



PROCUREMENT DEPARTMENT

Teria G. Sheffield
Procurement Director

ADDENDUM # 2

Date: 08/13/2026

PROPOSAL ID #3050

IFB #3050 **Historic Courthouse HVAC Upgrades**

THE FOLLOWING INFORMATION SHALL BE INCORPORATED AS PART OF THE ABOVE MENTIONED SOLICITATION; ALL OTHER TERMS AND CONDITIONS SHALL REMAIN THE SAME.

CLARIFICATIONS

1. The contractor shall assume that no hazardous material will be present at the start of construction. Known hazardous mold identified by the Owner will be remediated prior to the start of construction and is not included in the Contractor's base scope of work. The presence of non-hazardous mold on materials otherwise indicated for removal, including ceiling tiles and similar materials, shall not relieve the Contractor of the demolition and disposal requirements indicated in the Contract Documents. Should suspected hazardous mold or other hazardous materials be encountered during construction, the Contractor shall notify the Owner. Any required testing, abatement, remediation, or additional work associated with such conditions shall be addressed by Change Order or by the Owner.
2. All work shown to add parking spaces at the west end of the lower parking lot will be by the Owner and is removed from the Contractor's scope of work. See revised drawings.

CHANGES TO PRIOR ADDENDA

1. Revise Solicitation Document Page 1 Bid Due Date
 - a. Due Date/Time: August 25, 2026 at 3:00 p.m. EST.

CHANGES TO THE BIDDING OR CONTRACT REQUIREMENTS

Not applicable.

CHANGES TO THE PROJECT MANUAL

1. Section 02 8713 "Mold Remediation" is deleted in its entirety.
2. Section 01 1000 "Summary" is revised as follows.
 - a. Paragraph 1.05C is revised to read "Existing building spaces may be used for storage. Coordinate exact locations with owner."

CHANGES TO THE DRAWINGS:

1. The following drawing sheets are reissued in their entirety, Revision B, dated August 13, 2026.
 - T101 - TITLE SHEET
 - C102 – EXISTING CONDITIONS AND DEMOLITION PLAN
 - C103 – SITE PLAN
 - C106 – EROSION CONTROL PLAN
 - C109 – PAVING, GRADING AND DRAINAGE PLAN
 - A101 – 1ST FLOOR DEMOLITION FLOOR PLAN
 - A102 – 2ND FLOOR DEMOLITION FLOOR PLAN
 - A103 – 3RD FLOOR DEMOLITION FLOOR PLAN
 - A104 – 4TH FLOOR DEMOLITION FLOOR PLAN
 - A111 - 1st FLOOR PLAN
 - A300 - ARCHITECTURAL DETAILS
 - M050 - MECHANICAL SITE PLAN
 - M101 – MECHANICAL 1ST FLOOR DEMOLITION PLAN
 - M102 – MECHANICAL 2ND FLOOR DEMOLITION PLAN
 - M103 – MECHANICAL 3RD FLOOR DEMOLITION PLAN
 - M104 – MECHANICAL 4TH FLOOR DEMOLITION PLAN
 - M201 – MECHANICAL 1ST FLOOR PLAN
 - M202 – MECHANICAL 2ND FLOOR PLAN
 - M203 – MECHANICAL 3RD FLOOR PLAN
 - M204 – MECHANICAL 4TH FLOOR PLAN
 - M301 – MECHANICAL 1ST FLOOR PIPING PLAN
 - M302 – MECHANICAL 2ND FLOOR PIPING PLAN
 - M303 – MECHANICAL 3RD FLOOR PIPING PLAN
 - M304 – MECHANICAL 4TH FLOOR PIPING PLAN
 - M800 – MECHANICAL DETAILS
 - M801 – MECHANICAL DETAILS
2. Drawing Sheets A201, A202, A203, A204:
 - General Note L is revised to read, "ALL EXISTING LIGHTING FIXTURES IN THE RENOVATED AREAS SHALL BE CLEANED."
 - Drawing Note 90.01 is revised to read, "ALL EXISTING SUSPENDED ACOUSTIC CEILING SYSTEMS TO BE REMOVED AND REPLACED WITH NEW FOLLOWING INSTALLATION OF NEW MECHANICAL AND ELECTRICAL WORK. ALL EXISTING CEILING GRID TO BE DEMOLISHED. ALL HVAC UNITS, DIFFUSERS, AND RETURNS TO BE REMOVED AND REPLACED WITH NEW; REFER TO MECHANICAL DRAWINGS. ALL LIGHTS AND OTHER CEILING-MOUNTED DEVICES TO REMAIN UNLESS NOTED OTHERWISE; REFER TO ELECTRICAL DRAWINGS. LIGHTS AND OTHER MISCELLANEOUS DEVICES TO BE TEMPORARILY HUNG FROM THE STRUCTURE ABOVE AND PROTECTED DURING DEMOLITION. ALL EXIT SIGNS, SMOKE AND FIRE DETECTORS, AND SPRINKLERS TO REMAIN AND BE PROTECTED DURING DEMOLITION. WHERE EXISTING BATT INSULATION IS ENCOUNTERED ABOVE ACT SCHEDULED FOR DEMOLITION, REMOVE AND NOTIFY OWNER AND ARCHITECT. DO NOT INCLUDE REPLACEMENT IN BASE CONTRACT. DO NOT REMOVE BATT INSULATION ABOVE GYPSUM BOARD OR PLASTER CEILINGS."
 - Drawing Note 90.02 is revised to read, "DRYWALL AND PLASTER CEILINGS AND SOFFITS TO REMAIN. LIGHTS TO REMAIN UNLESS NOTED OTHERWISE. ALL PLASTER CEILINGS AND WALLS ARE CONSIDERED HISTORIC; PROTECT DURING DEMOLITION. WHERE EXISTING BATT INSULATION IS ENCOUNTERED ABOVE DRYWALL OR PLASTER CEILINGS, LEAVE IN PLACE AND UNDISTURBED."

RESPONSES TO SUBMITTED QUESTIONS:

1. Please provide an engineered storm conflict detail for where we are lowering chiller pipe depth. bends and elbows will affect functionality of the system
Response: See revised drawings.
2. The specs state that the controls are by ASI Controls, but JCI claims that they are in the building and walked the job with the engineers Please confirm if Controls are by ASI or JCI?
Response: All existing BMS/HVAC controls shall be removed in their entirety and replaced with new system per the contract documents.
3. Sheets C106 and C109 show grade changes in the parking lot in front of the new chiller pad. However C109 does not show any new paving in this area. Please advise scope of pavement repair required for this area?
Response: See revised drawings.
4. Will temporarily fencing be required for this project and if so, is there a specific area that it will be required?
Response: Per the contract documents, contractor shall provide security and facilities to protect Work, existing facilities, and Owner's operations from unauthorized entry, vandalism, or theft. Means and methods are the responsibility of the contractor, to be coordinated with the owner.
5. Is there a report, or has a survey been done to determine the location of any lead-based paint finishes, asbestos containing materials or other hazardous materials requiring unique or regulated disposal requirements per Section 02 4100, para 3.13 B?
Response: See clarification above regarding hazardous materials remediation.
6. Note L on Sheet A201 states "All lighting fixtures which are to be relocated shall be cleaned and re-lamped." Is the intent that all fixtures in new ceilings be cleaned and re-lamped?
Response: All lighting fixtures in the interior renovated areas shall be cleaned. Re-lamping is not required.
7. Where work is done to remove and replace an area on one wall of a space, is the entire space to be repainted or just the one wall?
Response: See Sheets A111-A114 General Note Q.
8. Is there an alternate plan if phasing is not feasible? This scope of work, trades, and equipment is a liability concern if we do not have complete access to the entire building.
Response: Building is unoccupied and accessible. No phasing is required in the building.
9. Who currently handles the fire alarm system?
Response: Custom Security.
10. Who currently handles/monitors the sprinkler system?
Response: Pye Barker provides annual testing, Security Central provides monitoring.
11. Is the contract holder responsible for removing/disposing of the shed currently located on the area of the lower parking lot that is to receive additional parking spaces?
Response: Shed will stay in place. See also above clarification regarding the parking area in question.
12. Please provide clarification/detail on how to handle the crape myrtles that are in the path of the proposed HVAC line trench.
Response: See revised drawings.
13. What is the demolition plan for the space-saver rolling shelves existing in the proposed boiler room?
Response: The Owner will remove the existing rolling file system, associated raised flooring, and existing LVT flooring prior to construction. The Owner will also prepare and finish the exposed concrete slab. No flooring removal, slab preparation, or finishing work is required of the Contractor.
14. M050 note says "see structural for under foundation pipe entry" this is not on the structural plans. please provide detail.
Response: See Detail 1/S201. This is an existing structure, and the pipe entry will need to avoid the existing foundation. If it is above the foundation, the wall will need to be cored. If it is below the foundation, it will need to be sleeved and grouted similar to the detail.

15. Is the UES air quality investigation report available for review?
Response: See clarification above regarding hazardous materials remediation.
16. Section 01 1000 Part 1 Para 1.05C states the existing building spaces may not be used for storage. It was noted at the prebid materials could be stored in the building. Is this the case?
Response: Existing building spaces may be used for storage. Coordinate exact locations with owner.
17. Please confirm that the building will be unoccupied during the construction period.
Response: Building will be unoccupied.
18. Please confirm the information from the prebid that the only conditioning required for the building is the four dehumidifiers and the four air scrubbers. Any temperature control will be at the general contractor's discretion.
Response: Owner will allow contractor to use owner's existing dehumidification and air scrubber equipment, contractor shall operate and maintain for the duration of the project.
19. Note 90.02 on the RCP demo plans states drywall, plaster ceilings to remain and remove batt insulation laying on top of drywall and dispose. Is the intent to remove batt insulation above all drywall and plaster ceilings? If so how is this accomplished without removing the ceilings?
Response: Remove existing batt insulation where located above acoustical ceiling tile (ACT) scheduled for demolition. Notify the Owner and Architect of all locations where batt insulation is encountered. Replacement of removed batt insulation will be evaluated on a case-by-case basis and performed outside of this contract. Do not remove existing batt insulation above drywall or plaster ceilings.
20. No electrical drawings reference disconnecting/ removing and reinstalling or temporary supporting the lighting at all the replaced acoustical ceilings. Please confirm all lighting is to be removed/reinstalled as needed for new acoustical ceilings?
Response: Confirmed. See Sheets E101-E104 General Note H, and Sheets E201-204 General Note E.
21. Is there a required landlord roofer for this project?
Response: There is no required roofer. Contractor shall provide work as required to maintain existing roof warranty as noted on Sheet A115.
22. Detail 6 on M800 for the new utility box for condensate drains will require plumbing rework to create a trap. No plumbing drawings are included or referenced to rework of any plumbing. Please confirm if this plumbing rework will be cast iron or PVC, if a SC licensed plumber will be required for these modifications and these will be located in the tile walls.
Response: See revised detail. Contractor shall possess all required licenses or retain the appropriate licensed subcontractors to perform the work.
23. Are there any drawings or specs from the 2016 renovation to direct us for the wood species for trim, paints, wall tile at restrooms, ceiling tiles (drawings state match) for all these finishes that will require replacement?
Response: See attached available drawings. Remove all existing acoustical ceiling tile. Provide new ceiling tile in accordance with the specifications.
24. It was mentioned at the pre-bid that the work at the main parking lot would all need to be after hours. Which will most likely require plating the entire trench for the new CW piping to allow installation, testing and inspections in the main parking lot. Will sections of this be allowed to be blocked off for coordination with inspections during the day or will we need to include costs for 3rd party inspections after hours for the building officials?
Response: Parking lot may be occupied by the contractor during the day in phases indicated in the attached sketch. Contractor shall occupy only one area at a time and shall keep the area safe and secure. Exact sequencing of work and required inspections shall be coordinated with owner and building inspector to minimize overall impact to parking lot use.
25. Will work in the lower employee parking lot be able to be done during normal business hours?
Response: Yes.
26. Who is responsible for removing and reinstalling all the security devices at the ceilings to be removed and replaced, Owner or GC?
Response: Cameras, security motion sensors, WAPs, and other IT devices/equipment will be removed by owner. Contractor shall protect existing cabling for these items throughout construction for reinstallation and reconnection of devices in new ceiling by owner. All other devices and fixtures in the ceilings shall be handled by contractor per the drawings.

27. Who is responsible for removing and reinstalling the speakers at the ceilings to be removed and replaced, Owner or GC?
Response: Contractor.
28. A211 note 26.01 call for new light fixtures to refer to electrical. I do not see any electrical lighting plans, only demo and power. Please advise.
Response: See Boiler Room Lighting Plan 2/E201.
29. Note U on A101 states for mold discovered during demo or construction to be removed and replace porous materials that cannot be cleaned. If discovered, is this to be included in our bid or will this be handled by a change order? Assuming CO since there is no way to quantify this.
Response: See clarification above regarding hazardous materials remediation.
30. Detail 1 on A300 has notes to what appears to be a missing rendering. Advise is rendering is missing from page or is this a mistake?
Response: See revised drawing.
31. Room 134 Files and new room 144 Mech. has an existing rolling file system with raised flooring. Who is responsible for removing these and the raised floor?
Response: The Owner will remove the existing rolling file system, associated raised flooring, and existing LVT flooring prior to construction. The Owner will also prepare and finish the exposed concrete slab. No flooring removal, slab preparation, or finishing work is required of the Contractor.
32. In regards to the rolling file system in 134 and 144. If removed by GC or owner, Will this be removed throughout both rooms or only in 144 new mech room?
Response: The Owner will remove the existing rolling file system, associated raised flooring, and existing LVT flooring prior to construction. The Owner will also prepare and finish the exposed concrete slab. No flooring removal, slab preparation, or finishing work is required of the Contractor.
33. Room 134 Files and new room 144 Mech. has LVT flooring throughout. Is this to be removed and what is the intent for the flooring finish in 134 and 144?
Response: The Owner will remove the existing rolling file system, associated raised flooring, and existing LVT flooring prior to construction. The Owner will also prepare and finish the exposed concrete slab. No flooring removal, slab preparation, or finishing work is required of the Contractor.
34. Note 1 on M201, M202 and M203 states if the new fan coil units don't fit in the existing millwork covers, then new covers are required. The architectural drawings state these are to be salvaged and reinstalled. Are we to include salvaging and reinstalling or do we need to price new millwork covers everywhere since we will not know if they will fit or not prior to submittals?
Response: See revised drawings. Existing millwork covers indicated by the referenced note shall be salvaged and reinstalled.
35. Mechanical demo plans do not show existing thermostat locations. Assuming all these will be removed, requiring wall finishes to be repaired. Some of these are located in wall tile and the marble wainscot. How do we address repairs at these locations and can you identify those locations?
Response: See revised drawings. Architectural and Mechanical drawings have been updated to identify the locations of existing thermostats to be removed. At locations within marble or tile finishes, provide a stainless-steel blank-off cover sized as small as practicable to fully conceal the opening left by the removed thermostat. At locations within gypsum board walls, patch and repair the wall to match the adjacent finish and repaint from wall to wall or to the nearest natural break.
36. Will the elevators be able to be used during construction?
Response: Yes, provided that contractor shall protect elevators from damage during construction.
37. There are a lot of locations that require wall openings for removal of old piping and installation of new that can be somewhat determined from the architectural and mechanical plans. However, there is also a lot of areas that existing controls and new controls will be removed and replaced not noted. During our site visit there are several locations with wall damage that would require point up and paint as well in our areas of work. Do we include only wall repair and paint at our assumed locations noted on the drawings or the entire room we have work in?
Response: See Sheets A111-A114 General Note Q.

38. The only location shown to modify the sprinkler system is at 1st floor at rooms 134 and 144. If there is any conflict with new ducting routes that the sprinkler cannot be avoided and requires sprinkler rework outside this area we assume this will be handled as additional costs since there is no way to determine or please provide an allowance to carry for additional rework?
Response: Assumption is correct.
39. E003 Fire alarm note 3 states to remove existing and provide new FA devices per drawings. The only drawings that show any FA devices is the architectural reflected ceiling demo and new plans. Are we to remove and replace all FA devices per this note or remove and replace only devices shown on the architectural reflected ceiling plans and any wall mounted to remain as is?
Response: The referenced Note 3 on Sheet E003 is general in nature. See Sheets E101-E104 General Note H, and Sheets E201-204 General Note E regarding ceiling mounted fixtures and devices, which include existing fire alarm devices. Electrical drawings also indicate new fire alarm devices such as duct smoke detectors and associated control modules and relays that shall be provided; cabling and raceway/pathway application shall match existing. All other fire alarm components and wiring are existing to remain. Full system testing and all other requirements of the contract documents shall be included.
40. AHUs 1-21, 1-19, 1-15, and 1-2 state horizontal cabinet. On Trane's website these appear to be floor cabinets. Are these wall mounted, floor mounted or ceiling mounted? The location of 1-2 is directly in front of the door, so we are assuming wall mounted. Please clarify.
Response: The AHUs in question are confirmed horizontal cabinets to be ceiling-mounted.
41. Can Victaulic or Pro-press connections be used to minimize welding/soldering fire hazards in the building?
Response: Provide connections per specifications.
42. Are Viessmann boilers an approved manufacturer on the (2) 1500 MBH condensing boilers? "Qty (2) Vitocrossal 200 C12-1500 is a high efficiency gas fired, fully condensing boiler with a Fire-tube style titanium stabilized stainless steel heat exchanger rated for 80 psig. The maximum input is 1500 MBH with an AHRI thermal efficiency of 97%. Unit features 30:1 turn-down ratio and includes dual premix fully modulating premix cylinder burners with combustion control through an oxygen trim. Capable of firing on Natural gas, or Liquid Propane. The boiler also includes a Vitotronic digital touchscreen boiler control with outdoor air reset and fixed setpoint control. The control also included integrated cascade control capable of staging and rotating up to 15 boilers. Includes a can-bus cable for multiple boiler cascade communication. Viessmann Part #ZK06782 _7727480" Cut sheets are available if needed.
Response: Not approved.
43. AIR-Carolinas is requesting prior approval for Nailor serving the AHU - Fan Coils. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Approved subject to compliance with contract documents, including but not limited to having physical dimensions less than or equal to those of the basis-of-design product.
44. AIR-Carolinas is requesting prior approval for Quantech serving the Air Cooled Chiller. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Not approved.
45. AIR-Carolinas is requesting prior approval for Laars serving the Boilers. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Approved subject to compliance with contract documents.
46. AIR-Carolinas is requesting prior approval for AAON serving the Hydronic DOAS. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Approved subject to compliance with contract documents. Units larger/taller than the basis-of-design product will trigger City zoning screening requirements and will not be acceptable.

47. AIR-Carolinas is requesting prior approval for Greenheck serving the Hydronic DOAS. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Approved subject to compliance with contract documents. Units larger/taller than the basis-of-design product will trigger City zoning screening requirements and will not be acceptable.
48. AIR-Carolinas is requesting prior approval for Spirotherm serving the Air Separator. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Approved subject to compliance with contract documents.
49. AIR-Carolinas is requesting prior approval for Grundfos serving the Pumps. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Not approved.
50. AIR-Carolinas is requesting prior approval for LG serving the Mini-Splits. Datasheets are available as requested. Please note that it is understood that your approval of our product line in no way relieves us of our requirements to fully comply with the project plans and specifications.
Response: Not approved.
51. Assuming we receive responses for the questions by the 12th or 13th. To coordinate between all the required finish trades, (tile, paint, drywall, and millwork) to price those scopes accordingly, we would request the bid date to be extended to the 20th or 21st if possible?
Response: See above for bid date extension.
52. A115 Roof plan note 40.10 to remove existing structure and grind flush with roof finish is only noted in one place. There are 2 steel roof structures on this roof. One is being reutilized for the new Doas and the other is abandoned. Mechanical plans show as this other structure is to remain, however the roof plan states is no conflict with Mechanical curbs can remain and capped. Is the other steel structure to be removed and cut flush with roof or to remain?
Response: Existing structure for the DOAS shall be modified per the drawings. The other existing structures for HVAC equipment to be removed shall be abandoned in place; no demolition or cutting flush with the roof is required.
53. Plans call for mold remediation how is it to be bid. Example if there is mold contractors can not see how will that be handled. The mold that present when should it be remediated. It seems that once the new temporary conditioning is in place and established that when it should be done. Putting new work in a mold containing building is not a good practice. Should an allowance be carried.
Response: See clarification above regarding hazardous materials remediation.
54. Plans call to maintain no more than 65% humidity and a temperature range from 55 F to 80 F. The building right now is not maintained at this level how will movement or any damage to existing finishes be handled.
Response: See revised drawings. Owner will allow contractor to use owner's existing dehumidification and air scrubber equipment, contractor shall operate and maintain for the duration of the project.
55. While visiting onsite we noticed that multiple locations thorough out the building have conflicts with MEP rough ins and ceiling height. Example 2nd floor room 235 there is a 24" duct called out to be installed and there is only 22" from the top of grid to concrete floor of third floor. In this same room there is a concrete beam running from the hallway to exterior wall that is 8" lower as well. Not only that the distance between the transom on top of the door and the ceiling is only about 3". There is no way for the GC to coordinate all of this during the time to bid how will this coordination be handled.
Response: Bid as shown on the contract documents, individual discrepancies will be resolved during construction via the RFI process.
56. How are we to bid matching existing finishes replacement when contractors don't know what not only materials, but quality were installed. Example interior standing and running trim need to know the specs around what we have to replace.
Response: Contractor shall minimize damage to existing finishes during construction. Existing wood base, chair rails, running trim, and other trim affected by the work shall be carefully removed and reinstalled to match existing conditions upon completion of the work. Salvaged materials shall be reused where practical; for example, wood base removed from behind new AHU casework shall be retained and

used for repairs or replacement at other applicable locations within the building. Refer to 2016 As-Built Sheet 7.00 for additional information regarding existing finishes. Where new finish materials are required, provide materials to match the existing adjacent finish in material, species, dimensions, profile, stain, sheen, and overall appearance. New wood trim shall be stain-grade, architectural-grade hardwood matching the existing wood species and custom milled as required to match existing profiles. The intent is for repaired and replacement finishes to be consistent in quality and appearance with the existing courthouse finishes.

57. HVAC water lines coming from chiller to the building have to be installed underground through the existing government center parking lot. During the pre bid it was stated this must be done after hours and on weekends. Will not be possible with the time it takes to install this pipe and the cost that would be associated with this requirement can sections of the parking lot be shut down for the installation of the underground.
Response: Parking lot may be occupied by the contractor during the day in phases indicated in the attached sketch. Contractor shall occupy only one area at a time and shall keep the area safe and secure. Exact sequencing of work and required inspections shall be coordinated with owner and building inspector to minimize overall impact to parking lot use.
58. Trane Controls would like to request approval to bid the upcoming project for the York County Courthouse. Trane controls will use Tracer SC+ and all controllers will be BACnet/MSTP (open protocol). This system is already installed and approved at other York County facilities (including the government center which is referenced in the specs) and meets all the qualifications listed. Please advise if Trane Controls is approved to bid?
Response: Approved subject to compliance with contract documents.
59. Please confirm whether BAS/DDC Class 2 and Class 3 control, sensor, and BACnet communication wiring is required to be installed in EMT above accessible lay-in ceilings, or whether listed plenum-rated cable may be installed open above accessible ceilings using independent listed cable supports/J-hooks in accordance with NFPA 70? Section 23 0923, paragraph 3.02.C requires DDC conduit and electrical wiring to comply with Section 26 0583 and Division 26. Section 26 0533.13, paragraph 2.01.G requires galvanized steel EMT for wiring concealed above accessible ceilings. If open plenum-rated BAS wiring is permitted, please confirm that the EMT requirement of Section 26 0533.13, paragraph 2.01.G does not apply to BAS/DDC low-voltage control and communication wiring.
Response: Install wiring in metal raceways per specifications, except in accessible ceiling spaces and in gypsum board partitions where unenclosed wiring method may be used. No wiring shall be routed exposed to view; install exposed wiring in conduit. Where unenclosed wiring method is allowed above accessible ceiling spaces, wiring shall be installed in a workmanlike manner and dressed neatly in listed J-hooks along walls to termination locations. Low-voltage cabling, including BAS cabling, is not exempt from the support and protection requirements of the NEC; refer to Articles 800 and 300, specifically 800.24 Mechanical Execution of Work, 300.4 Protection Against Physical Damage, 300.11 Securing and Supporting, and 800.110(C)(1) Horizontal Support, as well as all applicable ANSI standards referenced in Article 800.
60. Per 23 2113 – 2.08 – Pressure independent temperature control valves and balancing valves – can Belimo be approved as an accepted manufacturer for valves?
Response: Approved subject to compliance with contract documents.
61. Per 23 2113 - 2.08B - Please confirm if all control valves need to be PICV?
Response: Confirmed, provide per specifications.

ENCLOSURES:

- Drawing Sheets T101, C102, C103, C106, C109, A101, A102, A103, A104, A111, A300, M050, M101, M102, M103, M104, M201, M202, M203, M204, M301, M302, M303, M304, M800, M801
- 2016 YC Courthouse Renovation As-Built Drawings
- Owner Parking Lot Phasing Sketch

END OF ADDENDUM 2



YORK COUNTY HISTORICAL COURTHOUSE

HVAC REPLACEMENT

2 SOUTH CONGRESS STREET
YORK, SC 29745

GENERAL NOTES

- A. THE TERM "WORK" AS USED IN THESE NOTES SHALL INCLUDE ALL PROVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS ALL OTHER PROVISIONS SPECIFICALLY INCLUDED BY THE OWNER IN THE FORM OF DRAWINGS, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS AND APPROVED BY THE ENGINEER.
- B. THE TERM "CONTRACTOR" AS USED IN THESE NOTES SHALL REFER TO THE GENERAL CONTRACTOR OR TO THE SUB-CONTRACTORS.
- C. SCOPE OF WORK: THE CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, AND PAY ALL EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR PRODUCING A COMPLETE, HABITABLE PROJECT, INCLUDING BUT NOT LIMITED TO SITE WORK, ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, PLUMBING, HVAC, AND ELECTRICAL.
- D. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK AND SHALL BE RESPONSIBLE FOR SAME.
- E. IF THE CONTRACT DOCUMENTS ARE FOUND TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, THE CONTRACTOR MUST REQUEST CLARIFICATION FROM THE ENGINEER IN WRITING BEFORE PROCEEDING WITH THAT PART OF THE WORK.
- F. IF A CONDITION EXISTS THAT REQUIRES OBSERVATION OR ACTION BY THE ENGINEER, OR OTHER DESIGN PROFESSIONAL, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
- G. CONTRACTOR SHALL BE FAMILIAR WITH PROVISIONS OF ALL APPLICABLE CODES AND SHALL ENSURE THE COMPLIANCE OF THE WORK WITH ALL LOCAL, STATE AND FEDERAL CODES, TRADE STANDARDS AND MANUFACTURERS RECOMMENDATIONS. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE AND NATIONAL CODES, THE MORE STRINGENT SHALL GOVERN. BEFORE COMMENCING WORK NOT SHOWN IN DOCUMENTS, BUT REQUIRED TO ACHIEVE FULL COMPLIANCE WITH CODES, CONTRACTOR SHALL NOTIFY ARCHITECT.
- H. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY, COMPLIANCE WITH STATE AND FEDERAL REGULATIONS REGARDING SAFETY AND COMPLIANCE WITH REQUIREMENTS SPECIFIED IN THE OWNER/CONTRACTOR CONTRACT IS, AND SHALL BE, THE CONTRACTOR'S RESPONSIBILITY.
- I. CONTRACTOR SHALL PAY ALL TAXES, SECURE ALL PERMITS AND PAY ALL FEES INCURRED IN THE COMPLETION OF THE PROJECT.
- J. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH AND AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL RUBBISH, IMPLEMENTS, AND SURPLUS MATERIALS AND LEAVE THE BUILDING IN NEW AND CLEAN CONDITION.

COORDINATION OF WORK

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND SUB-CONTRACTORS TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND SUB-CONTRACTORS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS, AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND SUB-CONTRACTORS. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEE'S USE ON THE PROJECT AND ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND SUB-CONTRACTORS.

CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.

DEFERRED SUBMITTALS AND SEPARATE PERMITS

THE FOLLOWING ITEMS ARE DEFERRED SUBMITTALS OR SEPARATE PERMITS:

- FIRE SPRINKLER SYSTEM DRAWINGS AND CALCULATIONS
- FIRE ALARM AND DETECTION SYSTEM

VICINITY MAP



PROJECT SCOPE

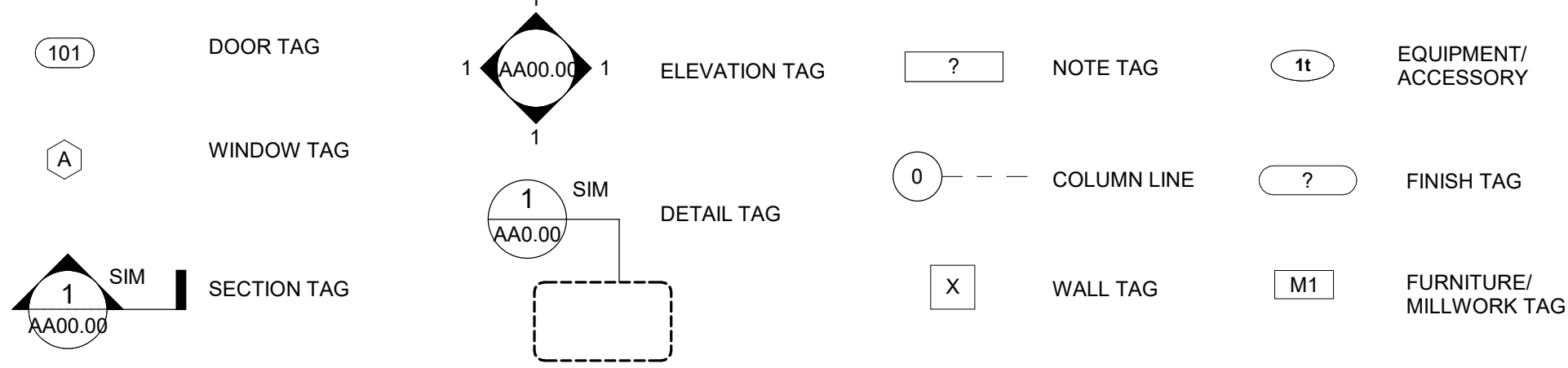
THE PROJECT SCOPE OUTLINED IN THIS SET OF DOCUMENTS INCLUDES THE RENOVATION AND REPLACEMENT OF EXISTING HVAC SYSTEMS WITHIN THE EXISTING COURTHOUSE, INCLUDING SELECTIVE DEMOLITIONS, NEW DUCTWORK AND PIPING, AND ACT CEILING REPLACEMENT, AS WELL AS SITE WORK FOR NEW CHILLER YARD. THE PROJECT IS CLASSIFIED AS A LEVEL 1 ALTERATION UNDER THE EXISTING BUILDING CODE. THE DESIGN FOCUSES ON COORDINATING NEW SYSTEMS WITHIN EXISTING CONSTRAINTS WHILE MINIMIZING DISRUPTION AND MAINTAINING CODE COMPLIANCE.

WORK QUALIFIES AS A LEVEL 1 ALTERATION UNDER THE EXISTING BUILDING CODE, WITH NO REQUIRED UPGRADES TO OCCUPANCY CLASSIFICATION, MEANS OF EGRESS, FIRE/LIFE SAFETY SYSTEMS, OR ACCESSIBILITY BEYOND THE PROJECT SCOPE.

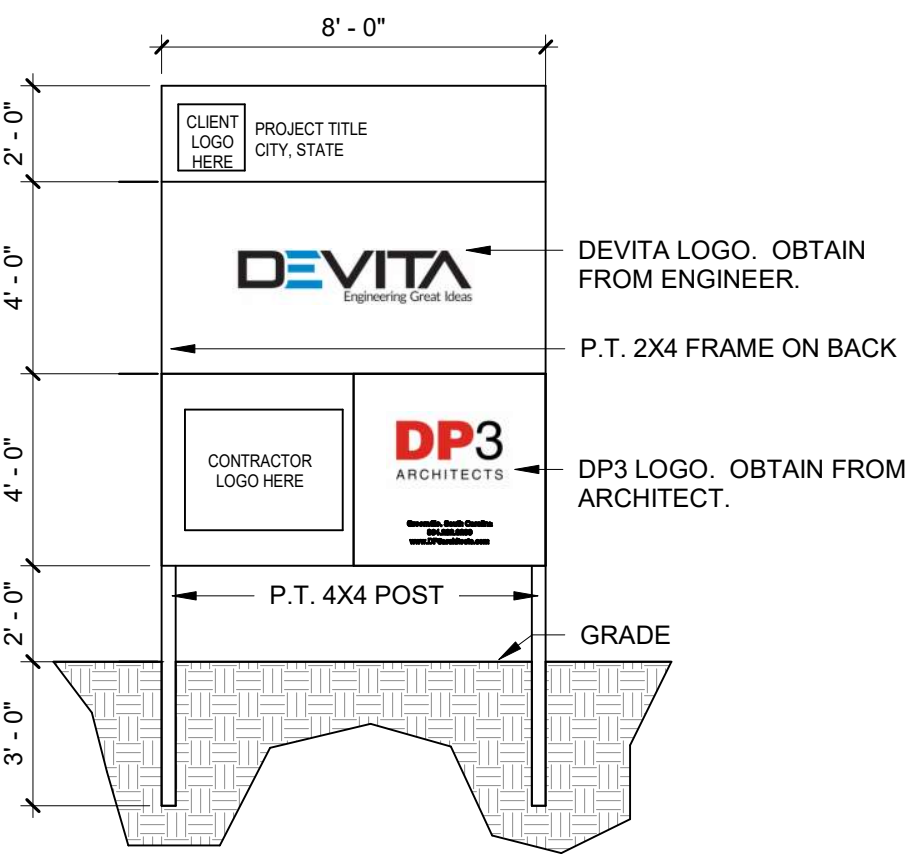
DRAWING INDEX

NUMBER	SHEET NAME	SHEET ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
TITLE				
T101	TITLE SHEET		B	13 AUG 2026
LIFE SAFETY				
LS101	CODE REVIEW		A	1 JUL 2026
CIVIL				
C101	GENERAL NOTES AND INDEX		A	1 JUL 2026
C102	EXISTING CONDITIONS AND DEMOLITION PLAN		B	13 AUG 2026
C103	SITE PLAN		B	13 AUG 2026
C104	EROSION CONTROL NOTES		A	1 JUL 2026
C105	EROSION CONTROL NOTES		A	1 JUL 2026
C106	EROSION CONTROL PLAN		B	13 AUG 2026
C107	EROSION CONTROL DETAILS		A	1 JUL 2026
C108	EROSION CONTROL DETAILS		A	1 JUL 2026
C109	PAVING GRADING AND DRAINAGE PLAN		B	13 AUG 2026
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A202	2ND FLOOR DEMOLITION REFLECTED CEILING PLAN		A	1 JUL 2026
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A204	4TH FLOOR DEMOLITION REFLECTED CEILING PLAN		A	1 JUL 2026
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S101	FOUNDATION AND ROOF PLAN		A	1 JUL 2026
S201	TYPICAL SECTIONS AND DETAILS		A	1 JUL 2026
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FP201	FIRE PROTECTION 1ST FLOOR PLAN		A	1 JUL 2026
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M050	MECHANICAL SITE PLAN		B	13 AUG 2026
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M102	MECHANICAL 2ND FLOOR DEMOLITION PLAN		B	13 AUG 2026
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M104	MECHANICAL 4TH FLOOR DEMOLITION PLAN		B	13 AUG 2026
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M203	MECHANICAL 3RD FLOOR PLAN		B	13 AUG 2026
M204	MECHANICAL 4TH FLOOR PLAN		B	13 AUG 2026
M301	MECHANICAL 1ST FLOOR PIPING PLAN		B	13 AUG 2026
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M701	MECHANICAL CONTROLS		A	1 JUL 2026
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E002	ELECTRICAL RISER DIAGRAMS		A	1 JUL 2026
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E104	ELECTRICAL 4TH FLOOR DEMOLITION PLAN		A	1 JUL 2026
E201	ELECTRICAL 1ST FLOOR POWER PLAN		A	1 JUL 2026
E202	ELECTRICAL 2ND FLOOR POWER PLAN		A	1 JUL 2026
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E903	ELECTRICAL PANEL SCHEDULES - CHILLER YARD		A	1 JUL 2026

DRAWING SYMBOL LEGEND



PROJECT SIGN



NOTES:

- GC TO PROVIDE AND INSTALL ONE PROJECT SIGN. LOCATIONS TO BE DETERMINED IN FIELD. VERIFY LOCATION WITH OWNER.
- PROJECT SIGN TO REMAIN PROMINENTLY DISPLAYED DURING ENTIRE CONSTRUCTION PERIOD. REMOVE FROM PROJECT SITE WHEN BUILDING OCCUPIED AND OPEN FOR BUSINESS. SIGN PAINTED ON 3/4" EXTERIOR PLYWOOD. LETTER STYLE AND PLACEMENT SHOULD BE SIMILAR TO THAT SHOWN.
- PROVIDE KICK BACK TREATED WOOD POSTS AS NEEDED. PAINTED WHITE.

PROJECT CONTACTS

OWNER

YORK COUNTY GOVERNMENT
220 PUBLIC WORKS ROAD
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CHAD.HUSKINS@YORKCOUNTYSC.GOV
704.361.8271

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MHUFSTETTLER@DEVITAINC.COM
864.232.6642

CIVIL ENGINEER

THOMAS & HUTTON
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GREENVILLE, SC 29601
CONTACT: AARON FALKENMEYER
FALKENMEYER.A@TANDH.COM
864.412.2222



1 JUL 2026

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DP3
ARCHITECTS

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www.DP3Architects.com
Project No. 25218

CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 SOUTH CONGRESS ST
YORK, SC 29745

DEVITA Project No.

24501-01

Issue Date:

01 JUL 2026

REVISIONS

NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
TITLE SHEET

DRAWING NO.

T101

Drawn By: LMG

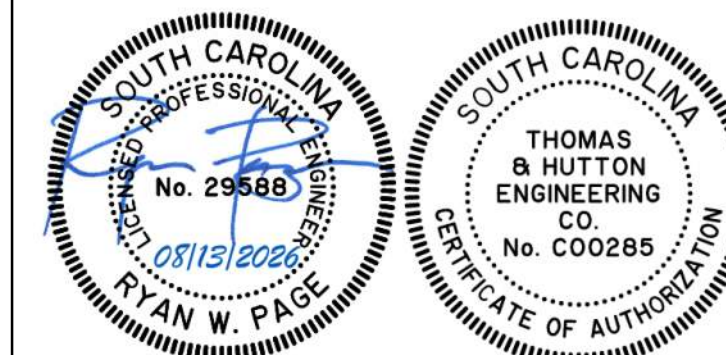
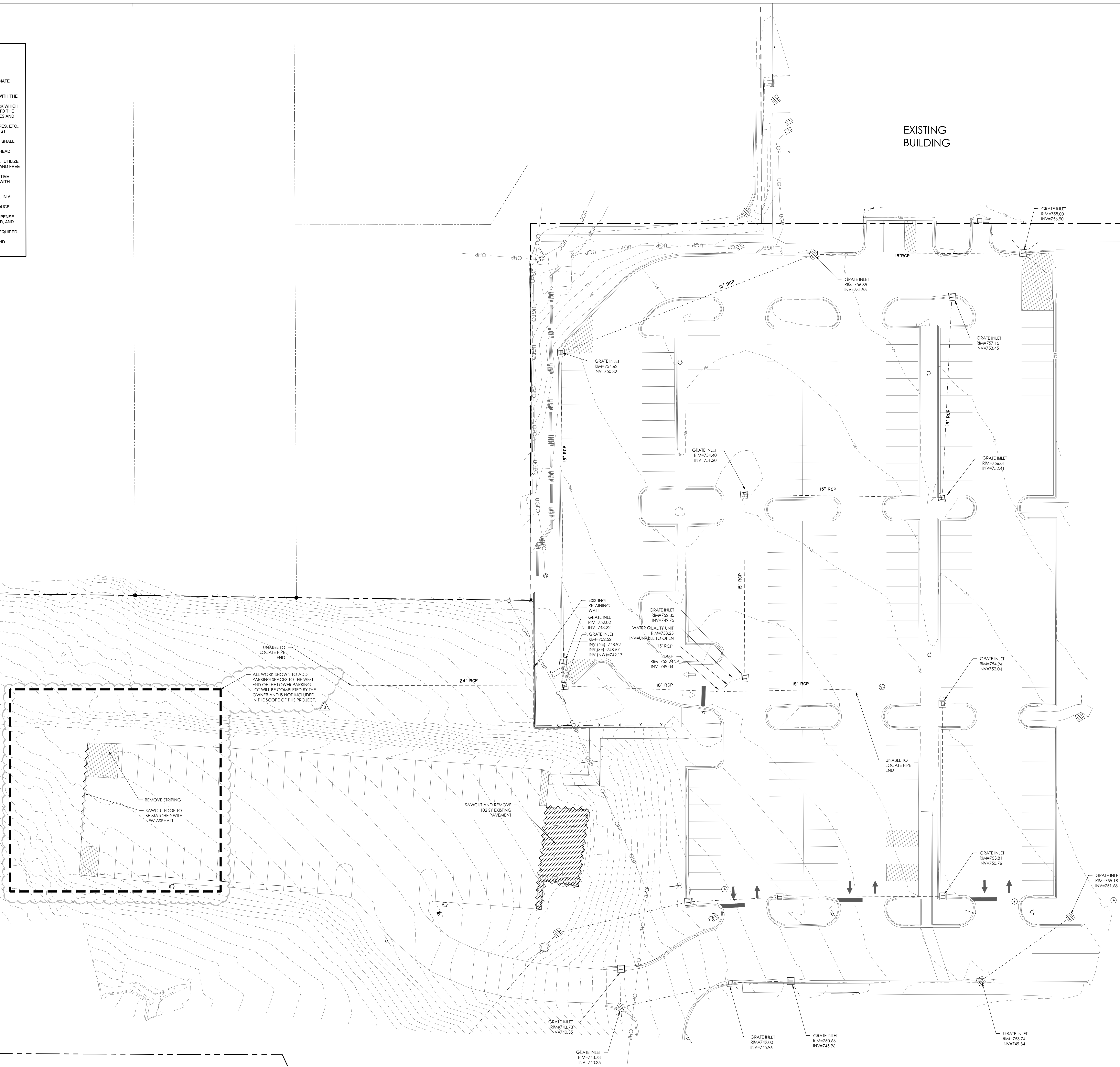
Checked By: MTP

NOTES:

1. ALL PARKING LOT WORK (TRENCHING, DEMOLITION, PAVING, ETC.) TO OCCUR DURING NON BUSINESS HOURS.

DEMOLITION NOTES:

- [illegible]

**DEVITA**

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www.thomasandhutton.com

JOB NO: 33869.0000

PROJECT INFORMATION:

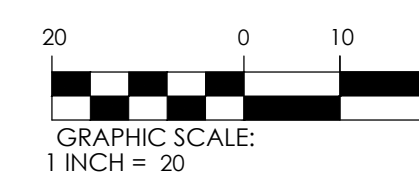


YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	01 JUL 2026	ISSUE FOR PERMIT & BID
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DRAWING NAME
**EXISTING
CONDITIONS AND
DEMOLITION PLAN**

DRAWING NO.

C102

DRAWN BY: R

CHECKED BY: APF

Reference system definition - LatLong

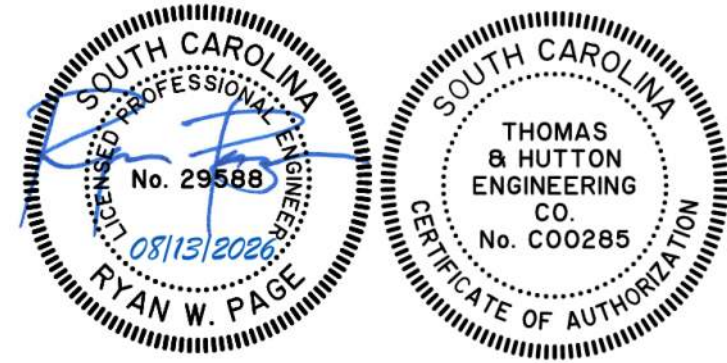
PORTABLE TOILETS SHALL BE POSTED WITH PROPER SIGNAGE TO DISPLAY THE TELEPHONE NUMBER AND CONTACT INFORMATION FOR THE COMPANY RESPONSIBLE FOR CLEANING, SERVICING OR REPAIR OF THE TOILET UNITS.

8. APPLY TOPSOIL AND INITIAL VEGETATIVE STABILIZATION MEASURES AS FINAL GRADE IS REACHED. STABILIZE DISTURBED AREAS AS REQUIRED BY NPDES.
9. CONSTRUCT PAVED SURFACES.

1. ALL PARKING LOT WORK (TRENCHING, DEMOLITION, PAVING, ETC.) TO OCCUR DURING NON BUSINESS HOURS.



- NOTES:
1. ALL INSTALLED MEDIUM DUTY PAVEMENT, SIDEWALK AND CURB AND GUTTER TO MATCH EXISTING GRADES.
 2. TRENCH DEPTH TO VARY BASED ON TERRAIN AND UTILITY CROSSINGS.
 3. PARKING LOT WORK TO OCCUR DURING NON BUSINESS HOURS.
 4. PROPOSED PAVEMENT AND SIDEWALK SECTIONS PROVIDED. INSTALLED SECTIONS TO MATCH EXISTING.
 5. ALL PARKING LOT WORK (TRENCHING, DEMOLITION, PAVING, ETC.) TO OCCUR DURING NON BUSINESS HOURS.



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JOB NO: 33869.0000
CONSULTANT

PROJECT INFORMATION:

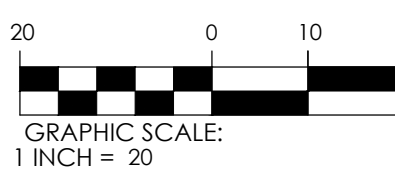


YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
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DRAWING NAME
PAVING, GRADING
AND DRAINAGE
PLAN

DRAWING NO.

C109

DRAWN BY: RKL CHECKED BY: APF

DRAWING NOTES

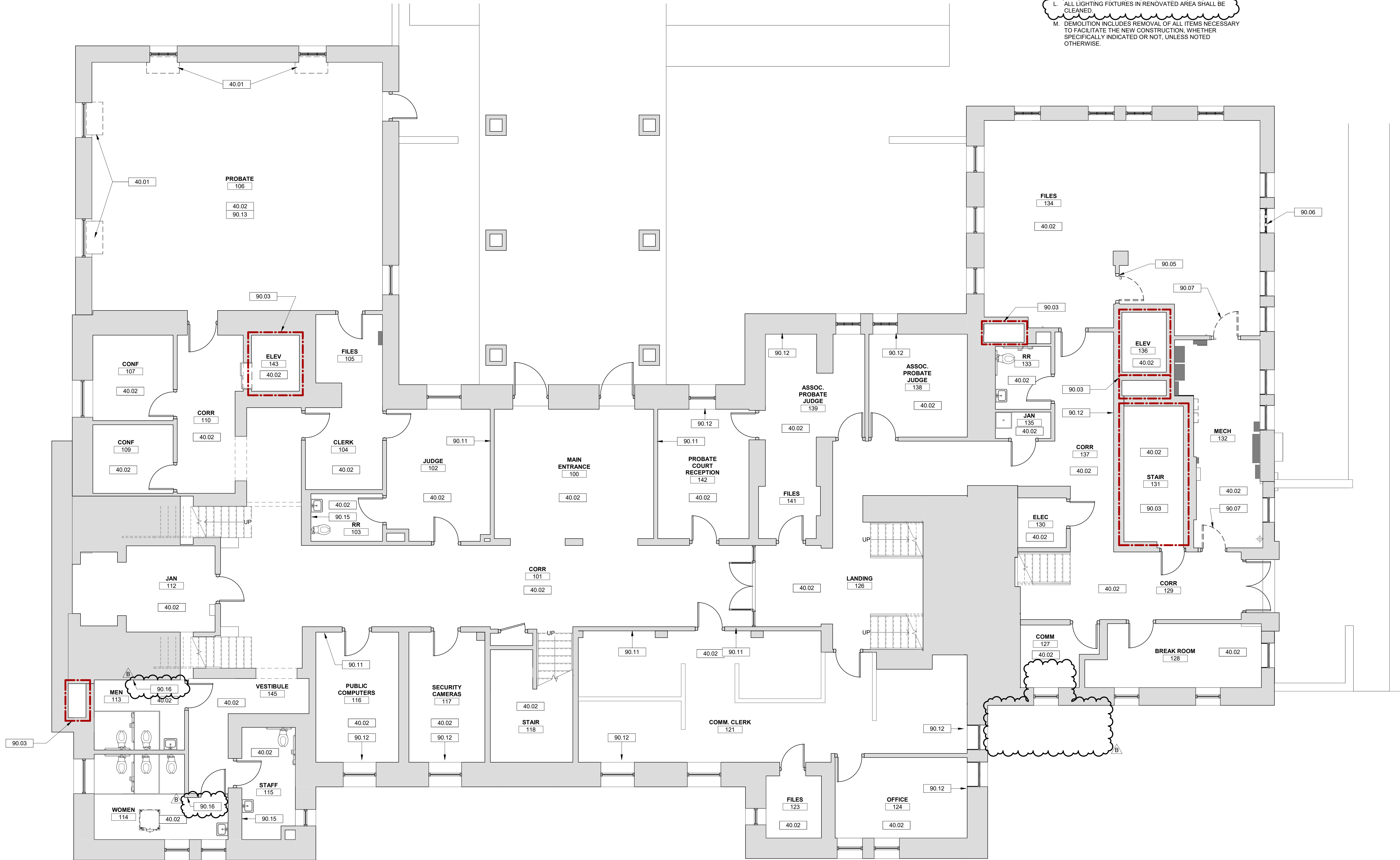
- 40.01 EXISTING HVAC CASEWORK COVERS SHALL BE CAREFULLY REMOVED PRIOR TO HVAC DEMOLITION AND PROTECTED FOR THE DURATION OF CONSTRUCTION. STORE AND PROTECT COVERS AND REINSTALL UPON COMPLETION OF WORK. REPAIR OR REPLACE ANY COVERS DAMAGED DURING CONSTRUCTION.
- 40.02 ALL EXISTING WALLS, FLOORS, MILLWORK AND FURNITURE TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION. IN ROOMS WHERE WORK OCCURS, LIMIT DISTURBANCE TO THE MINIMUM NECESSARY TO COMPLETE THE WORK. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PROCEEDING AND REPAIRATION OF THEIR CONDITION.
- 40.06 NOT USED
- 40.08 NOT USED

DRAWING NOTES

- 90.03 THE CONDITION OF EXISTING SHAFT ENCLOSURES IS UNDETERMINED. ASSUME ALL EXISTING SHAFTS, EXCEPT STAIR, ELEVATOR, AND DUMBWAITER SHAFTS, ARE NON-RATED. DEMOLISH EXISTING GYPSUM BOARD WALLS AS REQUIRED TO FACILITATE RECONSTRUCTION OF A 1-HOUR FIRE-RESISTANCE-RATED SHAFT ENCLOSURE. NOTIFY THE ARCHITECT PRIOR TO DEMOLISHING POTENTIALLY HISTORIC WALLS, INCLUDING WALLS WITH STONE, BRICK, OR STUCCO FINISHES. REMOVE EXISTING BASES AS REQUIRED FOR REINSTALLATION. EXISTING STAIR, ELEVATOR, AND DUMBWAITER SHAFTS SHALL REMAIN. PROTECT ALL RATED SHAFT WALLS FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING RATED SHAFT ASSEMBLIES SHALL BE REPAIRED USING MATERIALS AND METHODS REQUIRED TO RESTORE THE EXISTING FIRE-RESISTANCE RATING.
- 90.05 REMOVE EXISTING DOOR, FRAME, AND HARDWARE. INFILL OPENING TO MATCH ADJACENT WALL CONSTRUCTION, INCLUDING FRAMING, SHEETING, AND FINISHES. PATCH AND PAINT ALL ADJACENT SURFACES AS REQUIRED TO PROVIDE A SEAMLESS FINISHED APPEARANCE.
- 90.06 EXISTING WINDOW TO BE CAREFULLY REMOVED AS TO NOT DAMAGE THE WINDOW OR THE WALL SURROUNDING IT. RETURN WINDOW TO THE OWNER. PREPARE OPENING FOR NEW CUSTOM LOUVER.
- 90.07 REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE. PREPARE OPENING FOR NEW DOOR AND FRAME AS SCHEDULED. RETURN DOOR TO OWNER FOR FUTURE REUSE.
- 90.11 PREPARE WALL FOR NEW PIPING WORK ASSOCIATED WITH HVAC REWORK. DEMOLISH WALL FROM INSIDE OFFICE TO AVOID DAMAGING HISTORICAL WALLS IN HALLWAY AND LOBBY. REFER TO MECHANICAL DRAWINGS FOR NEW HVAC UNIT AND PIPING LOCATIONS.
- 90.12 PREPARE WALL FOR NEW PIPING WORK ASSOCIATED WITH HVAC REWORK. REFER TO MECHANICAL DRAWINGS FOR NEW HVAC UNIT AND PIPING LOCATIONS.
- 90.13 REMOVE ALL EXISTING HVAC UNITS IN ROOM AND ASSOCIATED PIPING. PREPARE WALLS FOR NEW HVAC PIPING WORK. LIMITED EXPLORATORY DEMOLITION MAY BE REQUIRED TO LOCATE AND REMOVE EXISTING CONCEALED PIPING. MINIMIZE DAMAGE TO EXISTING WALL FINISHES. REMOVE BASES, CHAIR RAILS, AND OTHER TRIM WITH CARE AND REINSTALL TO MATCH EXISTING CONDITIONS AFTER COMPLETION OF WORK. REFER TO MECHANICAL DRAWINGS FOR NEW HVAC UNIT AND PIPING LOCATIONS.
- 90.15 PREPARE WALL FOR NEW WALL UTILITY BOX FOR CONDENSATE DRAIN. REFER TO MECHANICAL DRAWINGS FOR WALL LOCATIONS.
- 90.16 REMOVE EXISTING THERMOSTAT AND ABANDON EXISTING CONDUIT. REFER TO MECHANICAL DRAWINGS FOR DEMOLITION NOTES. INSTALL NEW STAINLESS STEEL COVER PLATE AT THERMOSTAT LOCATION.

GENERAL DEMOLITION NOTES

- A. THE CONTRACTOR SHALL CONTACT THE OWNER AND ARCHITECT IF HAZARDOUS MATERIALS ARE FOUND DURING DEMOLITION OR CONSTRUCTION.
- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- D. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- E. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- F. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- G. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- H. WHERE DAMPERS, CONDUIT, PIPING, ETC. ARE REMOVED FROM RATED WALLS, WALLS SHALL BE PATCHED AND SEALED TO MAINTAIN FIRE AND SMOKE RATING INTEGRITY OF WALLS.
- I. CONTRACTOR SHALL MAKE FUNCTIONAL ALL CIRCUITS DISRUPTED BY ANY DEMOLITION.
- J. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- K. REMOVE ALL WIRING, CONDUIT, WIRING SYSTEMS AND EQUIPMENT MADE OBSOLETE BY DEMOLITION. ANY EXISTING CONDUIT SYSTEM THAT CAN BE REUSED IN PLACE IN THE NEW WORK MAY BE REUSED PROVIDED IT IS IN A CONDITION ACCEPTABLE TO THE ARCHITECT.
- L. ALL LIGHTING FIXTURES IN RENOVATED AREA SHALL BE CLEANED.
- M. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- N. ALL UTILITIES DEMOLISHED SHALL BE COMPLETELY REMOVED AND/OR CAPPED. ALL FINISHES TO REMAIN THAT ARE DISTURBED SHALL BE REPAIRED TO MATCH EXISTING.
- O. THE CONTRACTOR SHALL SURVEY AND DETERMINE THE REMOVAL OF EXISTING CONSTRUCTION, EITHER WHOLE OR IN PART, AS REQUIRED FOR THE INSTALLATION OF THE NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK.
- P. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR FINISHES, FURNITURE, AND FIXTURES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK OR ANY SUBCONTRACTORS.
- Q. AS APPLICABLE, PROVIDE TEMPORARY ENCLOSURE, BARRIERS AND COVERS TO PROTECT EXISTING FURNITURE, FIXTURES AND EQUIPMENT REMAINING IN PROJECT AREA DURING CONSTRUCTION.
- R. REMOVE MECHANICAL AND ELECTRICAL FIXTURES AND CAP OR REMOVE EXISTING BRANCH LINES AS INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS.
- S. COORDINATE PLANS FOR NEW CONSTRUCTION WITH DEMOLITION PLANS WITH EXTENT FOR REMOVAL. REMOVE ONLY THOSE PORTIONS OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.
- T. SHOW EXISTING CONDITIONS IN SUFFICIENT DETAIL OF ADJOINING CONSTRUCTION, INCLUDING FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SELECTIVE DEMOLITION OPERATIONS. SUBMIT BEFORE WORK BEGINS.
- U. THE CONTRACTOR SHALL CONTACT THE OWNER AND ARCHITECT IF HAZARDOUS MOLD OR OTHER MATERIALS ARE FOUND DURING DEMOLITION OR CONSTRUCTION. ANY REQUIRED TESTING, ABATEMENT, REMEDIATION, OR ADDITIONAL WORK ASSOCIATED WITH SUCH CONDITIONS SHALL BE ADDRESSED OUTSIDE OF THE CONTRACT.



1 1ST FLOOR DEMO

A101 3/16" = 1'-0"



1 JUL 2026

SEALS

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Project No. 25218

CONSULTANT

PROJECT INFORMATION:

YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT2 SOUTH CONGRESS ST
YORK, SC 29745DEVITA Project No. 24501-01
Issue Date: 01 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
1ST FLOOR
DEMOLITION FLOOR
PLAN

DRAWING NO.

A101

Drawn By: LMG Checked By: MTP

DRAWING NOTES

- 40.01 EXISTING HVAC CASEWORK COVERS SHALL BE CAREFULLY REMOVED PRIOR TO HVAC DEMOLITION AND PROTECTED FOR THE DURATION OF CONSTRUCTION. STORE AND PROTECT COVERS AND REINSTALL UPON COMPLETION OF WORK. REPAIR OR REPLACE ANY COVERS DAMAGED DURING CONSTRUCTION.
- 40.02 ALL EXISTING WALLS, FLOORS, MILLWORK AND FURNITURE TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION. IN ROOMS WHERE WORK OCCURS, LIMIT DISTURBANCE TO THE MINIMUM NECESSARY TO COMPLETE THE WORK. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PHOTOGRAPHIC DOCUMENTATION OF THEIR CONDITION.
- 90.03 THE CONDITION OF EXISTING SHAFT ENCLOSURES IS UNDETERMINED. ASSUME ALL EXISTING SHAFTS, EXCEPT STAIR, ELEVATOR, AND DUMBWATER SHAFTS, ARE NON-RATED. DEMOLISH EXISTING GYPSUM BOARD WALLS AS REQUIRED TO FACILITATE RECONSTRUCTION OF A 1-HOUR FIRE-RESISTANCE-RATED SHAFT ENCLOSURE. NOTIFY THE ARCHITECT PRIOR TO DEMOLISHING POTENTIALLY HISTORIC WALLS, INCLUDING WALLS WITH STONE, BRICK, OR STUCCO FINISHES. REMOVE EXISTING BASES AS REQUIRED FOR REINSTALLATION. EXISTING STAIR, ELEVATOR, AND DUMBWATER SHAFTS SHALL REMAIN. PROTECT ALL RATED SHAFT WALLS FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING RATED SHAFT ASSEMBLIES SHALL BE REPAIRED USING MATERIALS AND METHODS REQUIRED TO RESTORE THE EXISTING FIRE-RESISTANCE RATING.
- 90.13 REMOVE ALL EXISTING HVAC UNITS IN ROOM AND ASSOCIATED PIPING. PREPARE WALLS FOR NEW HVAC PIPING WORK. LIMITED EXPLORATORY DEMOLITION MAY BE REQUIRED TO LOCATE AND REMOVE EXISTING CONCEALED PIPING. MINIMIZE DAMAGE TO EXISTING WALL FINISHES. REMOVE BASES, CHAIR RAILS, AND OTHER TRIM WITH CARE AND REINSTALL TO MATCH EXISTING CONDITIONS AFTER COMPLETION OF WORK. REFER TO MECHANICAL DRAWINGS FOR NEW HVAC UNIT AND PIPING LOCATIONS.
- 90.15 PREPARE WALL FOR NEW WALL UTILITY BOX FOR CONDENSATE DRAIN. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS.
- 90.16 REMOVE EXISTING THERMOSTAT AND ABANDON EXISTING CONDUIT. REFER TO MECHANICAL DRAWINGS FOR DEMOLITION NOTES. INSTALL NEW STAINLESS STEEL COVER PLATE AT THERMOSTAT LOCATION.
- 90.17 REMOVE EXISTING THERMOSTAT AND ABANDON EXISTING CONDUIT. REFER TO MECHANICAL DRAWINGS FOR DEMOLITION NOTES. REPAIR, PATCH, AND PAINT WALL. PROVIDE NEW PAINT FROM CORNER TO CORNER OR TO NATURAL BREAKS IN THE SURFACE.

GENERAL DEMOLITION NOTES

- A. THE CONTRACTOR SHALL CONTACT THE OWNER AND ARCHITECT IF HAZARDOUS MATERIALS ARE FOUND DURING DEMOLITION OR CONSTRUCTION.
- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- D. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- E. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- F. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- G. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- H. WHERE DAMPERS, CONDUIT, PIPING, ETC. ARE REMOVED FROM RATED WALLS, WALLS SHALL BE PATCHED AND SEALED TO MAINTAIN FIRE AND SMOKE RATING INTEGRITY OF WALLS.
- I. CONTRACTOR SHALL MAKE FUNCTIONAL ALL CIRCUITS DISRUPTED BY ANY DEMOLITION.
- J. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- K. REMOVE ALL WIRING, CONDUIT, WIRING SYSTEMS AND EQUIPMENT MADE OBSOLETE BY DEMOLITION. ANY EXISTING CONDUIT SYSTEM THAT CAN BE REUSED IN PLACE IN THE NEW WORK MAY BE REUSED PROVIDED IT IS IN A CONDITION ACCEPTABLE TO THE ARCHITECT.
- L. ALL LIGHTING FIXTURES IN RENOVATED AREA SHALL BE CLEANED.
- M. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- N. ALL UTILITIES DEMOLISHED SHALL BE COMPLETELY REMOVED AND/OR CAPPED. ALL FINISHES TO REMAIN THAT ARE DISTURBED SHALL BE REPAIRED TO MATCH EXISTING.
- O. THE CONTRACTOR SHALL SURVEY AND DETERMINE THE REMOVAL OF EXISTING CONSTRUCTION, EITHER WHOLE OR IN PART, AS REQUIRED FOR THE INSTALLATION OF THE NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK.
- P. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR FINISHES, FURNITURE, AND FIXTURES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK OR ANY SUBCONTRACTORS.
- Q. AS APPLICABLE, PROVIDE TEMPORARY ENCLOSURE, BARRIERS AND COVERS TO PROTECT EXISTING FURNITURE, FIXTURES AND EQUIPMENT REMAINING IN PROJECT AREA DURING CONSTRUCTION.
- R. REMOVE MECHANICAL AND ELECTRICAL FIXTURES AND CAP OR REMOVE EXISTING BRANCH LINES AS INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS.
- S. COORDINATE PLANS FOR NEW CONSTRUCTION WITH DEMOLITION PLANS WITH EXTENT FOR REMOVAL. REMOVE ONLY THOSE PORTIONS OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.
- T. SHOW EXISTING CONDITIONS IN SUFFICIENT DETAIL OF ADJOINING CONSTRUCTION, INCLUDING FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SELECTIVE DEMOLITION OPERATIONS. SUBMIT BEFORE WORK BEGINS.
- U. THE CONTRACTOR SHALL CONTACT THE OWNER AND ARCHITECT IF HAZARDOUS MOLD OR OTHER MATERIALS ARE FOUND DURING DEMOLITION OR CONSTRUCTION. ANY REQUIRED TESTING, ABATEMENT, REMEDIATION, OR ADDITIONAL WORK ASSOCIATED WITH SUCH CONDITIONS SHALL BE ADDRESSED OUTSIDE OF THE CONTRACT.



1 2ND FLOOR DEMO
A102 3/16" = 1'-0"



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www.DP3Architects.com
Project No. 25218

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 SOUTH CONGRESS ST
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 01 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
2ND FLOOR
DEMOLITION FLOOR
PLAN

DRAWING NO.
A102
Drawn By: LMG Checked By: MTP

DRAWING NOTES

- 40.01 EXISTING HVAC CASEWORK COVERS SHALL BE CAREFULLY REMOVED PRIOR TO HVAC DEMOLITION AND PROTECTED FOR THE DURATION OF CONSTRUCTION. STORE AND PROTECT COVERS AND REINSTALL UPON COMPLETION OF WORK. REPAIR OR REPLACE ANY COVERS DAMAGED DURING CONSTRUCTION.
- 40.02 ALL EXISTING WALLS, FLOORS, MILLWORK AND FURNITURE TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION. IN ROOMS WHERE WORK OCCURS, LIMIT DISTURBANCE TO THE MINIMUM NECESSARY TO COMPLETE THE WORK. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PHOTOGRAPHIC DOCUMENTATION OF THEIR CONDITION.
- 90.03 THE CONDITION OF EXISTING SHAFT ENCLOSURES IS UNDETERMINED. ASSUME ALL EXISTING SHAFTS, EXCEPT STAIR, ELEVATOR, AND DUMBWATER SHAFTS, ARE NON-RATED. DEMOLISH EXISTING GYPSUM BOARD WALLS AS REQUIRED TO FACILITATE RECONSTRUCTION OF A 1-HOUR FIRE-RESISTANCE-RATED SHAFT ENCLOSURE. NOTIFY THE ARCHITECT PRIOR TO DEMOLISHING POTENTIALLY HISTORIC WALLS, INCLUDING WALLS WITH STONE, BRICK, OR STUCCO FINISHES. REMOVE EXISTING BASES AS REQUIRED FOR REINSTALLATION. EXISTING STAIR, ELEVATOR, AND DUMBWATER SHAFTS SHALL REMAIN. PROTECT ALL RATED SHAFT WALLS FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING RATED SHAFT ASSEMBLIES SHALL BE REPAIRED USING MATERIALS AND METHODS REQUIRED TO RESTORE THE EXISTING FIRE-RESISTANCE RATING.
- 90.14 REMOVE ALL EXISTING HVAC UNITS IN ROOM AND ASSOCIATED PIPING. PREPARE WALLS FOR NEW HVAC PIPING WORK. LIMITED EXPLORATORY DEMOLITION MAY BE REQUIRED TO LOCATE, ACCESS, AND REMOVE EXISTING CONCEALED PIPING. THIS ROOM IS A PRIMARY HISTORIC SPACE WITHIN THE COURTHOUSE. REMOVE ONLY THE MINIMUM AMOUNT OF WALL CONSTRUCTION NECESSARY TO COMPLETE THE WORK. COVER AND PROTECT ALL EXISTING FURNITURE, MILLWORK, AND OTHER HISTORIC FEATURES TO REMAIN. REMOVE BASES, CHAIR RAILS, TRIM, AND OTHER CHARACTER-DEFINING FEATURES WITH CARE AND REINSTALL TO MATCH EXISTING CONDITIONS. PATCH AND REPAIR DISTURBED AREAS TO MATCH ADJACENT HISTORIC MATERIALS, TEXTURES, PROFILES, AND FINISHES. REPLACEMENT OF HISTORIC MATERIALS SHALL BE LIMITED TO PORTIONS DAMAGED DURING CONSTRUCTION OR DETERMINED TO BE UNSALVAGEABLE. REFER TO MECHANICAL DRAWINGS FOR NEW HVAC UNIT AND PIPING LOCATIONS.
- 90.15 PREPARE WALL FOR NEW WALL UTILITY BOX FOR CONDENSATE PIPING. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS.
- 90.16 REMOVE EXISTING THERMOSTAT AND ABANDON EXISTING CONDUIT. REFER TO MECHANICAL DRAWINGS FOR DEMOLITION NOTES. INSTALL NEW STAINLESS STEEL COVER PLATE AT THERMOSTAT LOCATION.
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GENERAL DEMOLITION NOTES

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- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
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- L. ALL LIGHTING FIXTURES IN RENOVATED AREA SHALL BE CLEANED.
- M. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
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- O. THE CONTRACTOR SHALL SURVEY AND DETERMINE THE REMOVAL OF EXISTING CONSTRUCTION, EITHER WHOLE OR IN PART, AS REQUIRED FOR THE INSTALLATION OF THE NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK.
- P. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR FINISHES, FURNITURE, AND FIXTURES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK OR ANY SUBCONTRACTORS.
- Q. AS APPLICABLE, PROVIDE TEMPORARY ENCLOSURE, BARRIERS AND COVERS TO PROTECT EXISTING FURNITURE, FIXTURES AND EQUIPMENT REMAINING IN PROJECT AREA DURING CONSTRUCTION.
- R. REMOVE MECHANICAL AND ELECTRICAL FIXTURES AND CAP OR REMOVE EXISTING BRANCH LINES AS INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS.
- S. COORDINATE PLANS FOR NEW CONSTRUCTION WITH DEMOLITION PLANS WITH EXTENT FOR REMOVAL. REMOVE ONLY THOSE PORTIONS OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.
- T. SHOW EXISTING CONDITIONS IN SUFFICIENT DETAIL OF ADJOINING CONSTRUCTION, INCLUDING FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SELECTIVE DEMOLITION OPERATIONS. SUBMIT BEFORE WORK BEGINS.
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YORK COUNTY
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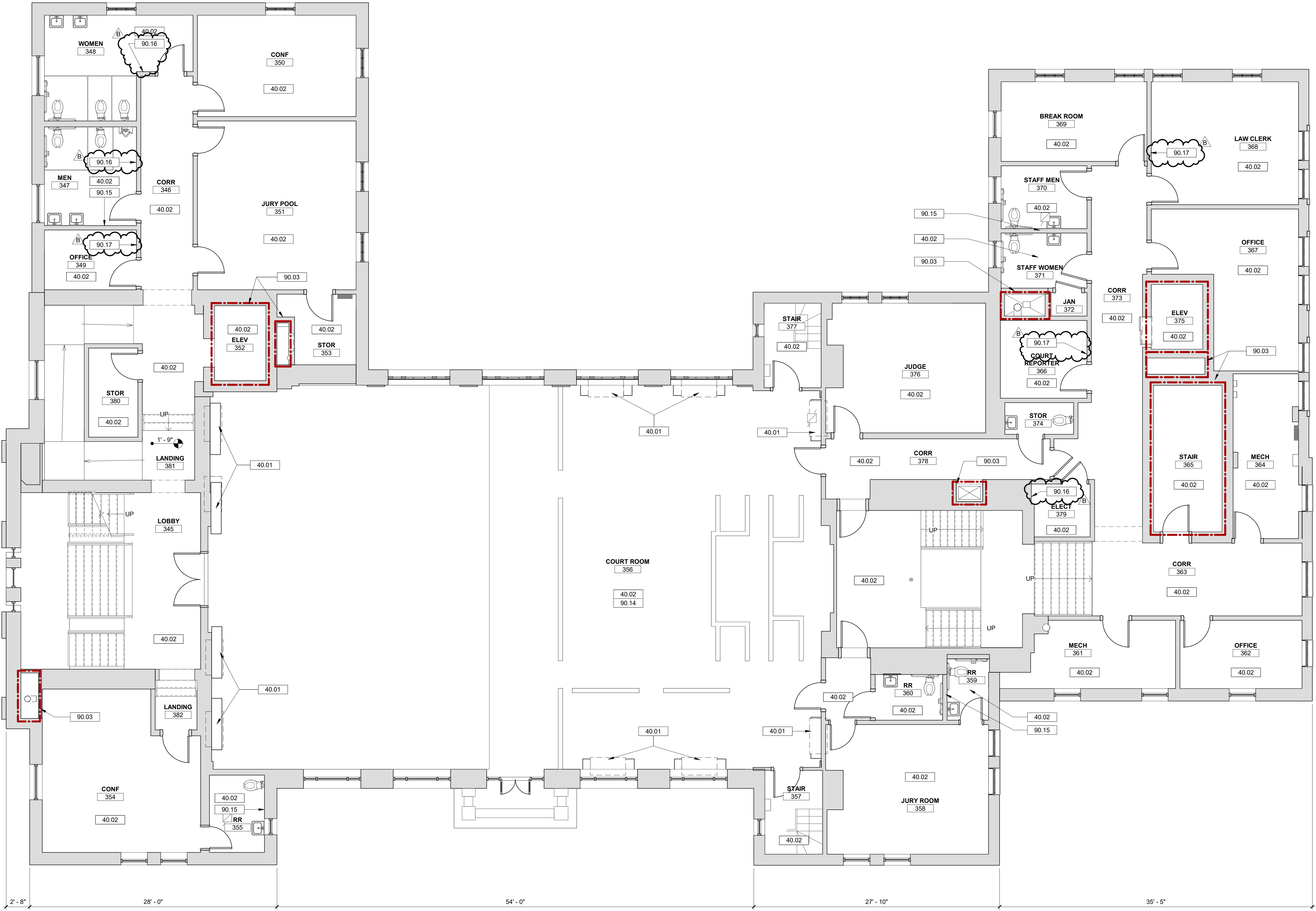
DEVITA Project No. 24501-01
Issue Date: 01 JUL 2026

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NO.	DATE	DESCRIPTION
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B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
3RD FLOOR
DEMOLITION FLOOR
PLAN

DRAWING NO.
A103
Drawn By: LMG Checked By: MTP



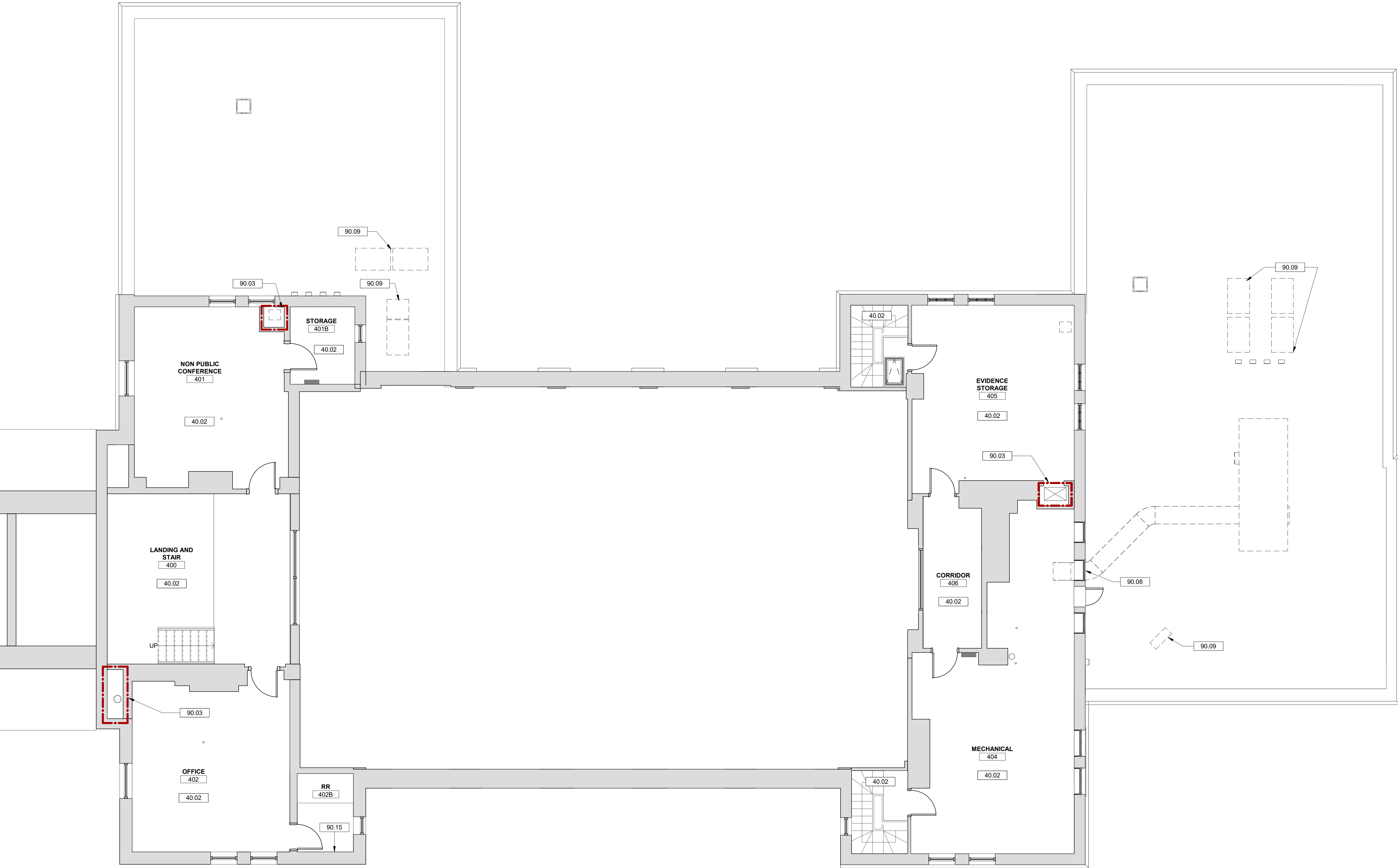
1 3RD FLOOR DEMO
A103 3/16" = 1'-0"

DRAWING NOTES

- 40.02 ALL EXISTING WALLS, FLOORS, MILLWORK AND FURNITURE TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION. IN ROOMS WHERE WORK OCCURS, LIMIT DISTURBANCE TO THE MINIMUM NECESSARY TO COMPLETE THE WORK. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PHOTOGRAPHIC DOCUMENTATION OF THEIR CONDITION.
- 90.03 THE CONDITION OF EXISTING SHAFT ENCLOSURES IS UNDETERMINED. ASSUME ALL EXISTING SHAFTS, EXCEPT STAIR, ELEVATOR, AND DUMBWATER SHAFTS, ARE NON-RATED. DEMOLISH EXISTING GYPSUM BOARD WALLS AS REQUIRED TO FACILITATE RECONSTRUCTION OF A 1-HOUR FIRE-RESISTANCE-RATED SHAFT ENCLOSURE. NOTIFY THE ARCHITECT PRIOR TO DEMOLISHING POTENTIALLY HISTORIC WALLS, INCLUDING WALLS WITH STONE, BRICK, OR STUCCO FINISHES. REMOVE EXISTING BASES AS REQUIRED FOR REINSTALLATION. EXISTING STAIR, ELEVATOR, AND DUMBWATER SHAFTS SHALL REMAIN. PROTECT ALL RATED SHAFT WALLS FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING RATED SHAFT ASSEMBLIES SHALL BE REPAIRED USING MATERIALS AND METHODS REQUIRED TO RESTORE THE EXISTING FIRE-RESISTANCE RATING.
- 90.08 REMOVE EXISTING DUCTWORK, SHEET METAL INFILL, AND ASSOCIATED MATERIALS AT FORMER WINDOW OPENING. PREPARE OPENING TO RECEIVE NEW HVAC PENETRATION. PROTECT EXISTING MASONRY, WINDOW TRIM, AND ADJACENT HISTORIC FEATURES TO REMAIN.
- 90.09 REMOVE EXISTING HVAC EQUIPMENT, ABANDON ALL ASSOCIATED PIPES AND PENETRATIONS TO CAP AND SEAL WEATHER-TIGHT. EXISTING CURBS MAY REMAIN WHERE NOT IMPACTING NEW WORK. PROVIDE FLASHING, SEALANTS, AND ACCESSORIES AS REQUIRED FOR ALL INFILLED PENETRATIONS IN ACCORDANCE WITH THE ROOFING MANUFACTURERS CURRENT WARRANTED DETAILS.
- 90.15 PREPARE WALL FOR NEW WALL UTILITY BOX FOR CONDENSATE DRAIN. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS.

GENERAL DEMOLITION NOTES

- A. THE CONTRACTOR SHALL CONTACT THE OWNER AND ARCHITECT IF HAZARDOUS MATERIALS ARE FOUND DURING DEMOLITION OR CONSTRUCTION.
- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- D. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- E. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- F. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE, SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- G. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- H. WHERE DAMPERS, CONDUIT, PIPING, ETC. ARE REMOVED FROM RATED WALLS, WALLS SHALL BE PATCHED AND SEALED TO MAINTAIN FIRE AND SMOKE RATING INTEGRITY OF WALLS.
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- L. ALL LIGHTING FIXTURES IN RENOVATED AREA SHALL BE CLEANED.
- M. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
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DEVITA Project No. 24501-01
Issue Date: 01 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
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DRAWING NAME
4TH FLOOR
DEMOLITION FLOOR
PLAN

DRAWING NO.
A104
Drawn By: LMG Checked By: MTP

FLOOR PLAN LEGEND

- X WALL TYPE
- X WINDOW TYPE
- 101 DOOR TYPE
- 00.00 KEY NOTE

WALL TYPE LEGEND

- 1 5/8 INCH GYPSUM WALL BOARD.
3 5/8 INCH METAL STUD FRAMING
SYSTEM. REFER TO STRUCTURAL
DRAWINGS.
- 2 5/8 INCH GYPSUM WALL BOARD.
- 1 HOUR RATED SHAFT WALL UL DESIGN NO. U415 SYSTEM A
(SEE 2ND AND 3RD FLOOR PLAN)
- INT. SHAFT
EXT. SHAFT
- 1" THICK GLASS MAT LINER PANEL
1 1/2" C-H STUD SYSTEM, 20 GAUGE.
5/8 INCH GYPSUM WALL BOARD.

DOOR SCHEDULE

MARK	LOCATION	TYPE	DOOR			HARDWARE SET	FRAME		COMMENTS
			HEIGHT	WIDTH	MATERIAL		TYPE	MATERIAL	
001	MECH	MATCH EXISITNG	7' - 0"	3' - 0"	WD	1	MATCH EXISITNG	HMWD	HOLLOW METAL FRAME WITH WOOD TRIM. STAIN TO MATCH EXISTING.
002	MECH	MATCH EXISITNG	7' - 0"	2' - 10"	WD	1	MATCH EXISITNG	HMWD	HOLLOW METAL FRAME WITH WOOD TRIM. STAIN TO MATCH EXISTING.

NOTE: CONTRACTOR SHALL VERIFY ALL EXISTING OPENING DIMENSIONS, DOOR TYPES, FRAME TYPES, AND TRIM CONDITIONS PRIOR TO PROCUREMENT. NEW DOORS, FRAMES, CASINGS, AND MOULDINGS SHALL MATCH EXISTING MATERIALS, PROFILES, DIMENSIONS, DEPTHS, AND THICKNESSES UNLESS NOTED OTHERWISE.

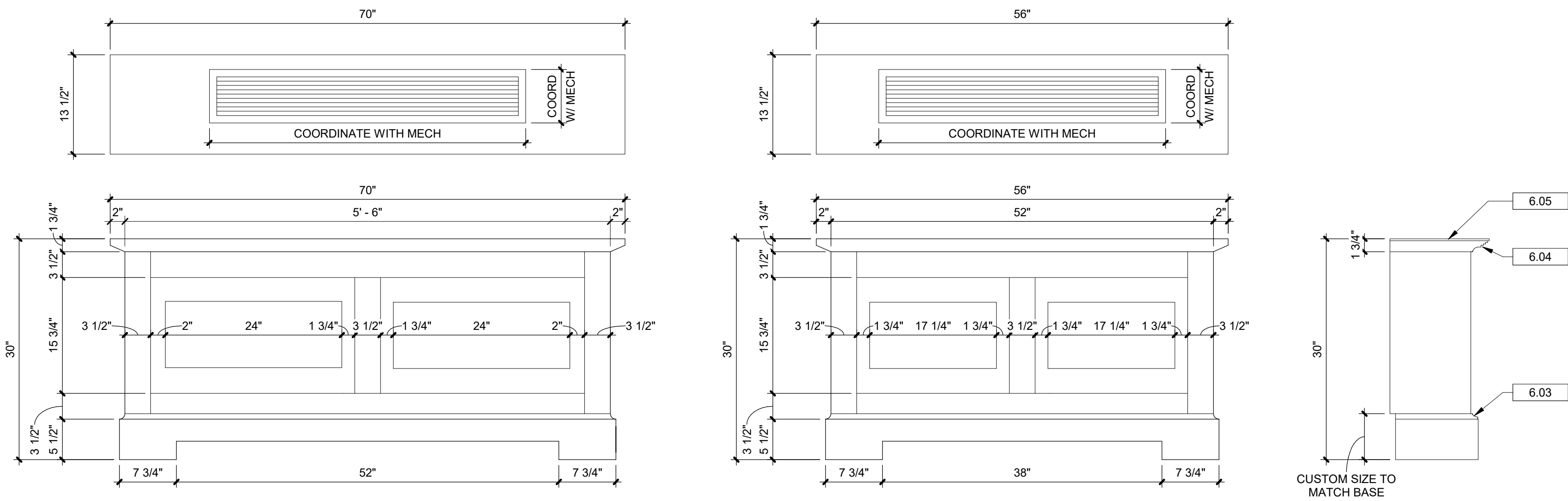
HARDWARE SCHEDULE

HARDWARE SET 1	
QUANTITY	ITEM
3	HINGE
1	PANIC DEVICE
1	STORAGE FUNCTION LEVER
1	PULL
1	CLOSER
3	SILENCERS

NOTE: HARDWARE SHALL MATCH EXISTING. CONTRACTOR SHALL VERIFY EXISTING HARDWARE TYPE, FUNCTION, FINISH, MANUFACTURER, AND MODEL, AND SUBMIT PROPOSED HARDWARE FOR ARCHITECT'S REVIEW PRIOR TO PROCUREMENT.

DRAWING NOTES

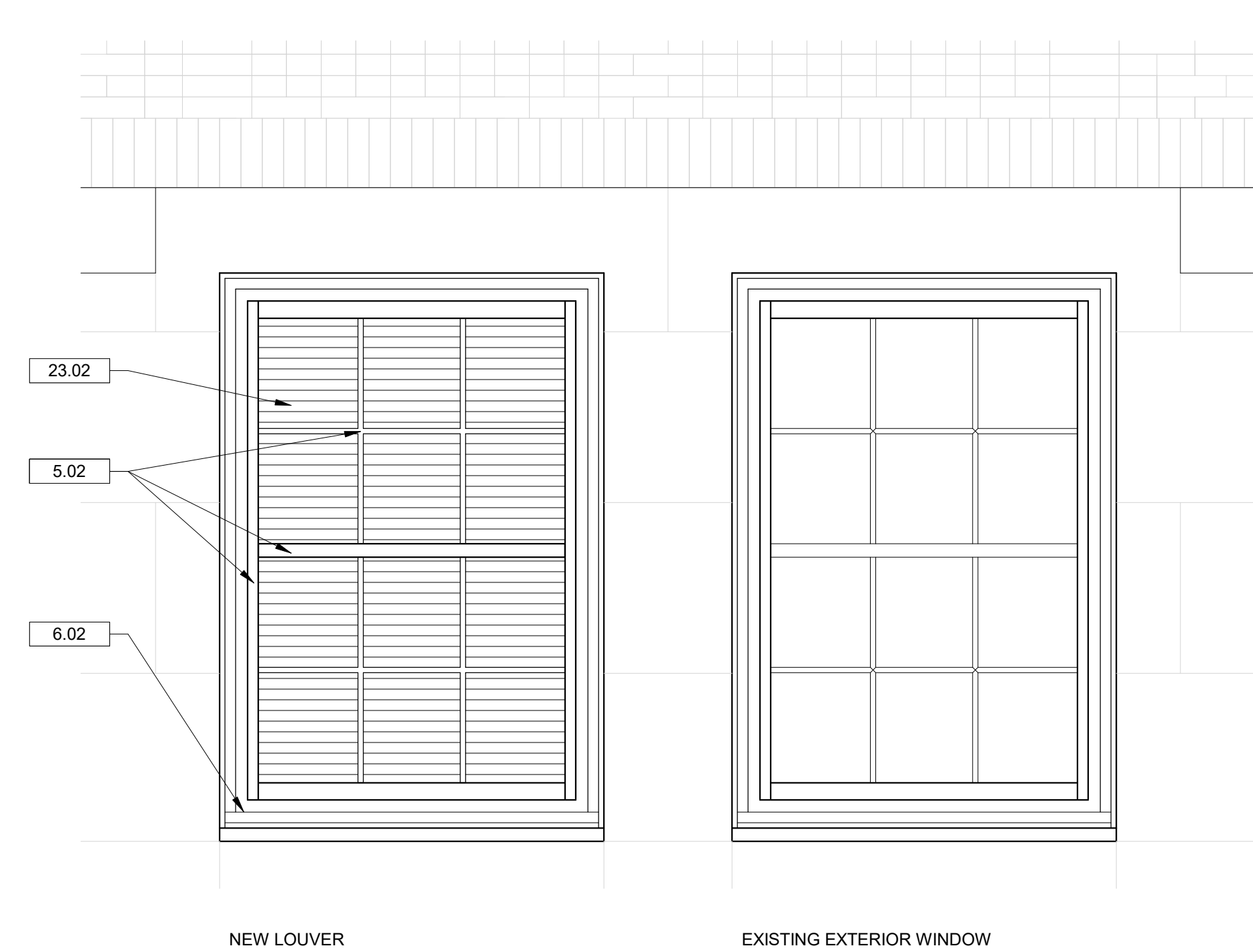
- 40.01 EXISTING HVAC CASEWORK COVERS SHALL BE CAREFULLY REMOVED PRIOR TO HVAC DEMOLITION AND PROTECTED FOR THE DURATION OF CONSTRUCTION. STORE AND PROTECT COVERS AND REINSTALL UPON COMPLETION OF WORK. REPAIR OR REPLACE ANY COVERS DAMAGED DURING CONSTRUCTION.
- 40.02 ALL EXISTING WALLS, FLOORS, MILLWORK AND FURNITURE TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION. IN ROOMS WHERE WORK OCCURS, LIMIT DISTURBANCE TO THE MINIMUM NECESSARY TO COMPLETE THE WORK. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PHOTOGRAPHIC DOCUMENTATION OF THEIR CONDITION.
- 40.03 RECONSTRUCT EXISTING SHAFT ENCLOSURES AS REQUIRED TO PROVIDE A MINIMUM 1-HOUR FIRE-RESISTANCE RATING. EXCEPT AT EXISTING STAIR, ELEVATOR, AND DUMBWATER SHAFTS, WHICH SHALL REMAIN UNMODIFIED. REINSTALL EXISTING BASES WHERE REMOVED. PROVIDE APPROVED FIRESTOPPING AT ALL NEW PENETRATIONS AND SEAL ALL ABANDONED OPENINGS AND EXISTING THROUGH-WALL PENETRATIONS AS REQUIRED TO MAINTAIN THE REQUIRED FIRE-RESISTANCE RATING OF THE SHAFT ENCLOSURE. COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. EXISTING STAIR, ELEVATOR, AND DUMBWATER SHAFTS SHALL REMAIN. PROTECT ALL RATED SHAFT ASSEMBLIES FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE OR NEW PENETRATIONS SHALL BE REPAIRED AND FIRESTOPPED AS REQUIRED TO MAINTAIN THE EXISTING FIRE-RESISTANCE RATING.
- 40.04 EXISTING WALL DIFFUSERS IN HISTORIC PLASTER WALLS SHALL REMAIN. SEAL AND ABANDON DIFFUSERS. CLEAN AND REPAIR ADJACENT PLASTER SURFACES AS NECESSARY. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS, QUANTITIES, AND DETAILS.
- 40.05 NEW LOUVER IN EXISTING WINDOW OPENING. REFER TO MECHANICAL DRAWINGS AND ARCHITECTURAL DETAILS.
- 40.06 NEW HVAC COVER CASEWORK TO MATCH EXISTING ADJACENT CASEWORK IN PROFILE, FINISH, AND WOOD COLOR. MODIFY BACK OF CASEWORK AS REQUIRED TO FIT AROUND EXISTING WOOD OR MARBLE BASE. REFER TO CASEWORK DETAILS. MODIFY EXISTING WALL AS REQUIRED FOR INSTALLATION OF NEW HVAC PIPING, CONDUITS, AND ASSOCIATED COMPONENTS. PATCH AND REPAIR WALL CONSTRUCTION FOLLOWING INSTALLATION TO MATCH ADJACENT EXISTING SURFACES, INCLUDING SUBSTRATES, TRIM, FINISHES, AND PAINT. PATCH AND REPAIR ADJACENT SURFACES AS REQUIRED TO PROVIDE A SEAMLESS FINISHED APPEARANCE.
- 40.07 NEW WALL INFILL TO MATCH ADJACENT WALL CONSTRUCTION INCLUDING FRAMING, SHEATHING, AND FINISHES. PATCH AND REPAIR ALL ADJACENT SURFACES AS REQUIRED TO PROVIDE A SEAMLESS FINISHED APPEARANCE.
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CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, CLEARANCES, AND EXISTING CONDITIONS PRIOR TO FABRICATION.

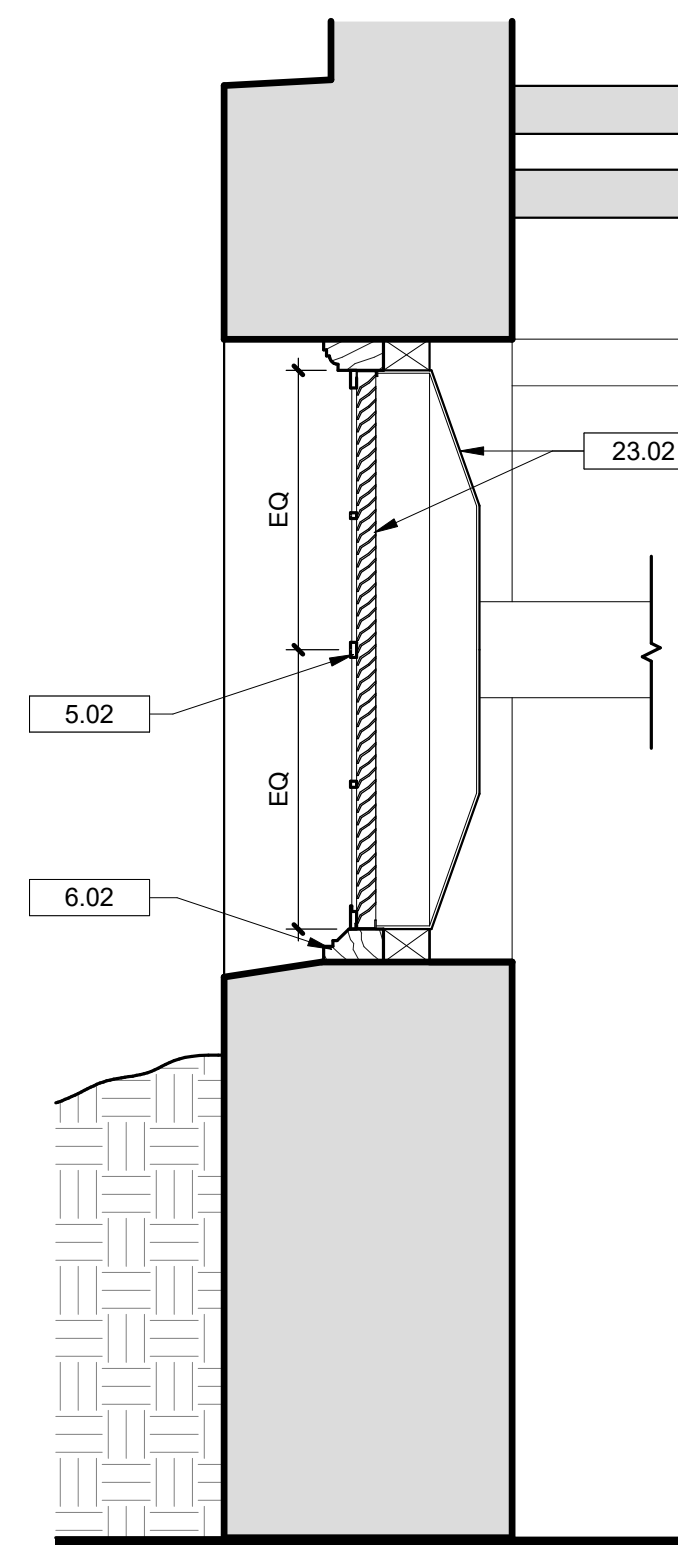
5 HVAC UNIT CASEWORK ELEVATION AND PLAN DETAILS

1" = 1'-0"



1 WINDOW AND LOUVER ELEVATION

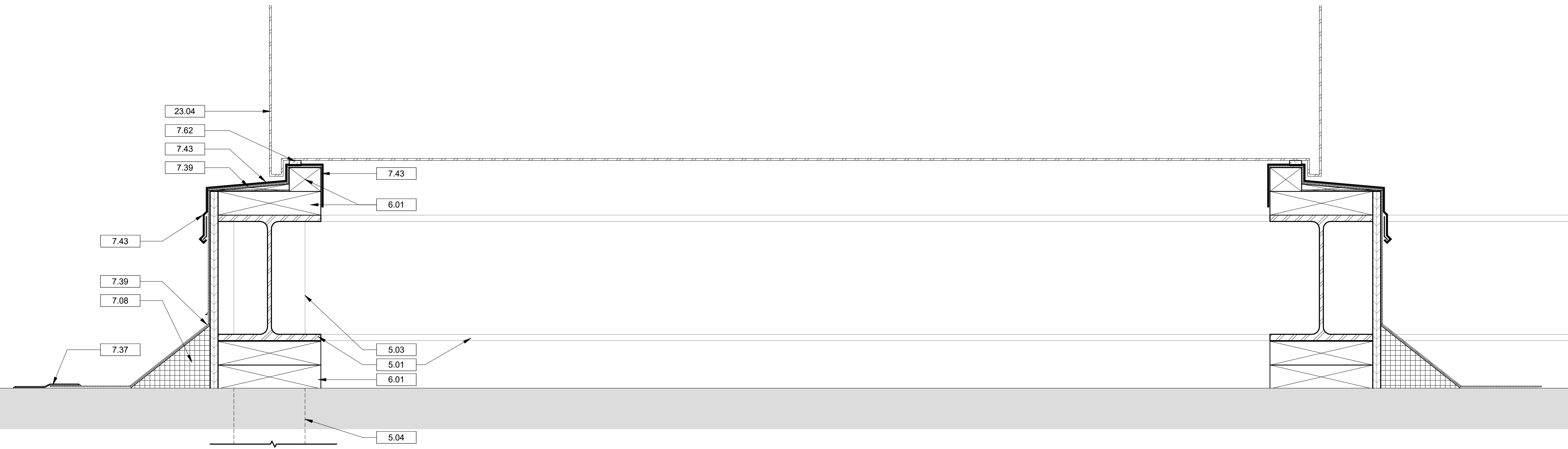
1" = 1'-0"



CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, CLEARANCES, AND EXISTING CONDITIONS PRIOR TO FABRICATION.

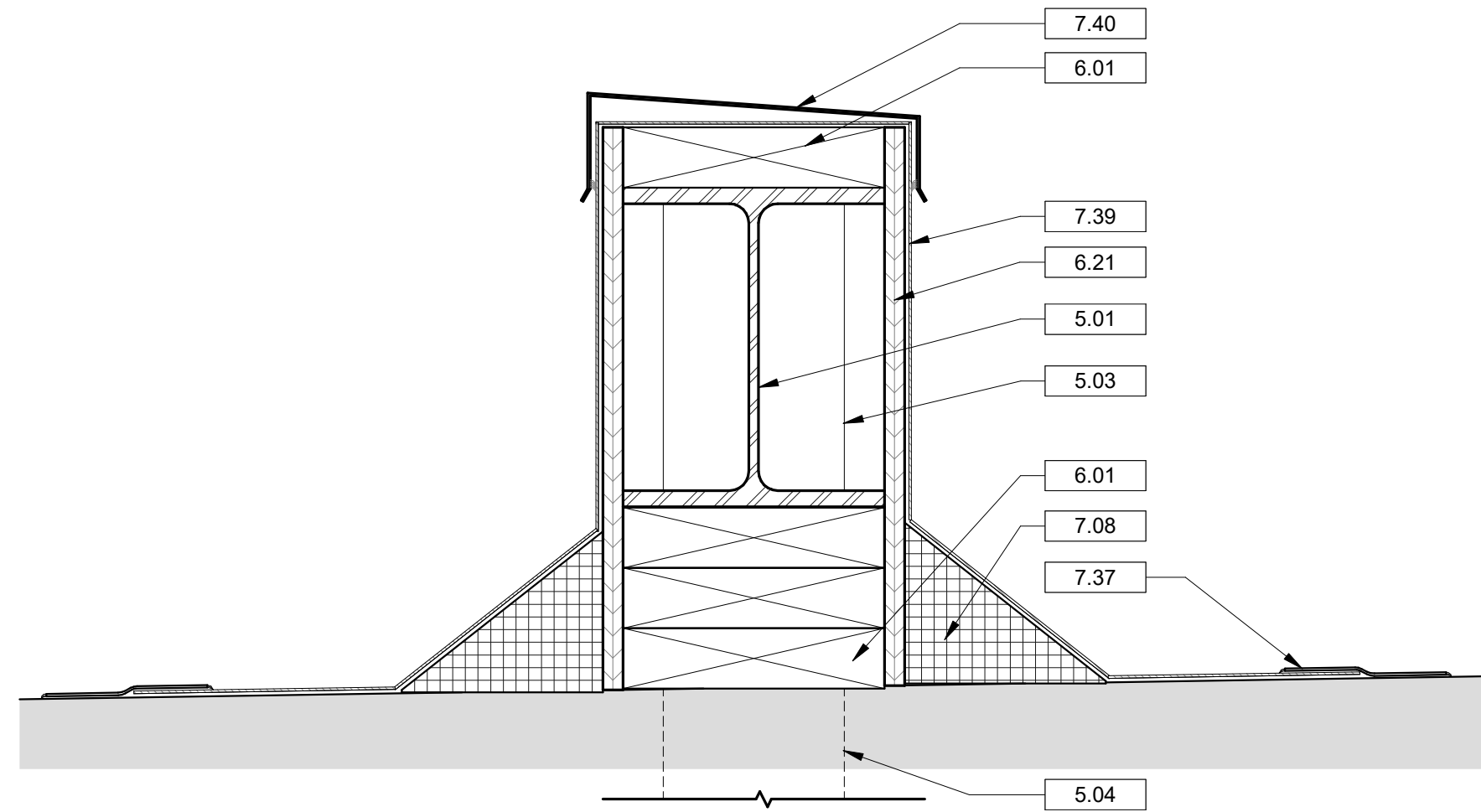
4 LOUVER SECTION

3/4" = 1'-0"



6 CURB DETAIL 3

3" = 1'-0"



3 CURB DETAIL 2

3" = 1'-0"

DRAWING NOTES

- NEW ROOFTOP UNIT SUPPORT BEAM. REFER TO STRUCTURAL DRAWINGS.
- CUSTOM EXTRUDED ALUMINUM APPLIED MUNTIN BARS, MULLIONS, AND PERIMETER TRIM. FACTORY-INSTALLED TO THE LOUVER ASSEMBLY. FACTORY-PRIMED AND FIELD-PAINTED TO MATCH EXISTING EXTERIOR WINDOW FINISH. MATCH ADJACENT WINDOW PROFILES, DIMENSIONS, AND SIGHTLINES.
- NEW ROOFTOP UNIT SUPPORT POST SHALL BE ATTACHED DIRECTLY TO EXISTING STRUCTURE. REFER TO CURB SECTION DETAIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- EXISTING STRUCTURE. CONTRACTOR SHALL VERIFY EXISTING ROOF ASSEMBLY AND EXISTING STRUCTURE.
- 2x PRESSURE TREATED WOOD BLOCKING CUT TO SIZE.
- NEW WOOD FRAME TO MATCH EXISTING HISTORIC WINDOW FRAMES IN PROFILE, DIMENSIONS, MATERIAL, AND DETAILING. PRIME AND PAINT TO MATCH EXISTING ADJACENT WINDOWS AND TRIM. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION. PROVIDE CONTINUOUS BEAD OF SEALANT AT FULL PERIMETER OF FRAMES.
- CUSTOM PROFILE TO MATCH ADJACENT EXISTING BASE MOULDING.
- CUSTOM PROFILE TO MATCH EXISTING HVAC COVER CASEWORK.
- PROVIDE FURNITURE-GRADE HARDWOOD CONSTRUCTION AND PREMIUM STAIN FINISH. MATCH EXISTING HISTORIC MILLWORK IN WOOD SPECIES, GRAIN CHARACTERISTICS, COLOR, AND SHEEN. SUBMIT WOOD AND FINISH SAMPLES TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 1/2 INCH PRESSURE TREATED PLYWOOD.
- 4 INCH ROOF CANT. TYPICAL AT CURB PERIMETER.
- ROOFING MEMBRANE, FLASHING, AND ADHESIVE. ENSURE COMPATIBILITY WITH THE EXISTING ROOFING SYSTEM.
- EXTEND ROOF MEMBRANE UP AND OVER TOP OF BUILT UP CURB HOUSING. CONTRACTOR SHALL VERIFY EXISTING ROOF ASSEMBLY, ROOFING MATERIALS, AND WARRANTY REQUIREMENTS PRIOR TO INSTALLATION.
- PREFINISHED METAL COPING.
- METAL FLASHING.
- GASKET SEALER AS SPECIFIED BY MECHANICAL EQUIPMENT MANUFACTURER.
- NEW AIR INTAKE LOUVER. REFER TO MECHANICAL DRAWINGS. FINISH SHALL BE BLACK 2 COAT BAKED ENAMEL POLYESTER. SUBMIT COLOR SAMPLES TO BE APPROVED BY ARCHITECT. LOUVER BLADES SHALL BE RECESSED BEHIND THE APPLIED TRIM SYSTEM TO MINIMIZE VISIBILITY AND MAINTAIN THE APPEARANCE OF THE EXISTING HISTORIC WINDOW OPENINGS.
- NEW MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT, CURB, AND SUPPORT REQUIREMENTS.



1 JUL 2026

SEALS

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DP3
ARCHITECTS

DP3 Architects, Ltd.
15 South Main Street, Suite 400
Greenville, SC 29601
864.232.8200
www.DP3architects.com
Project No. 25218

CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 SOUTH CONGRESS ST
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 01 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
**ARCHITECTURAL
DETAILS**

DRAWING NO.

A300

Drawn By: LMG Checked By: MTP



**YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT**

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

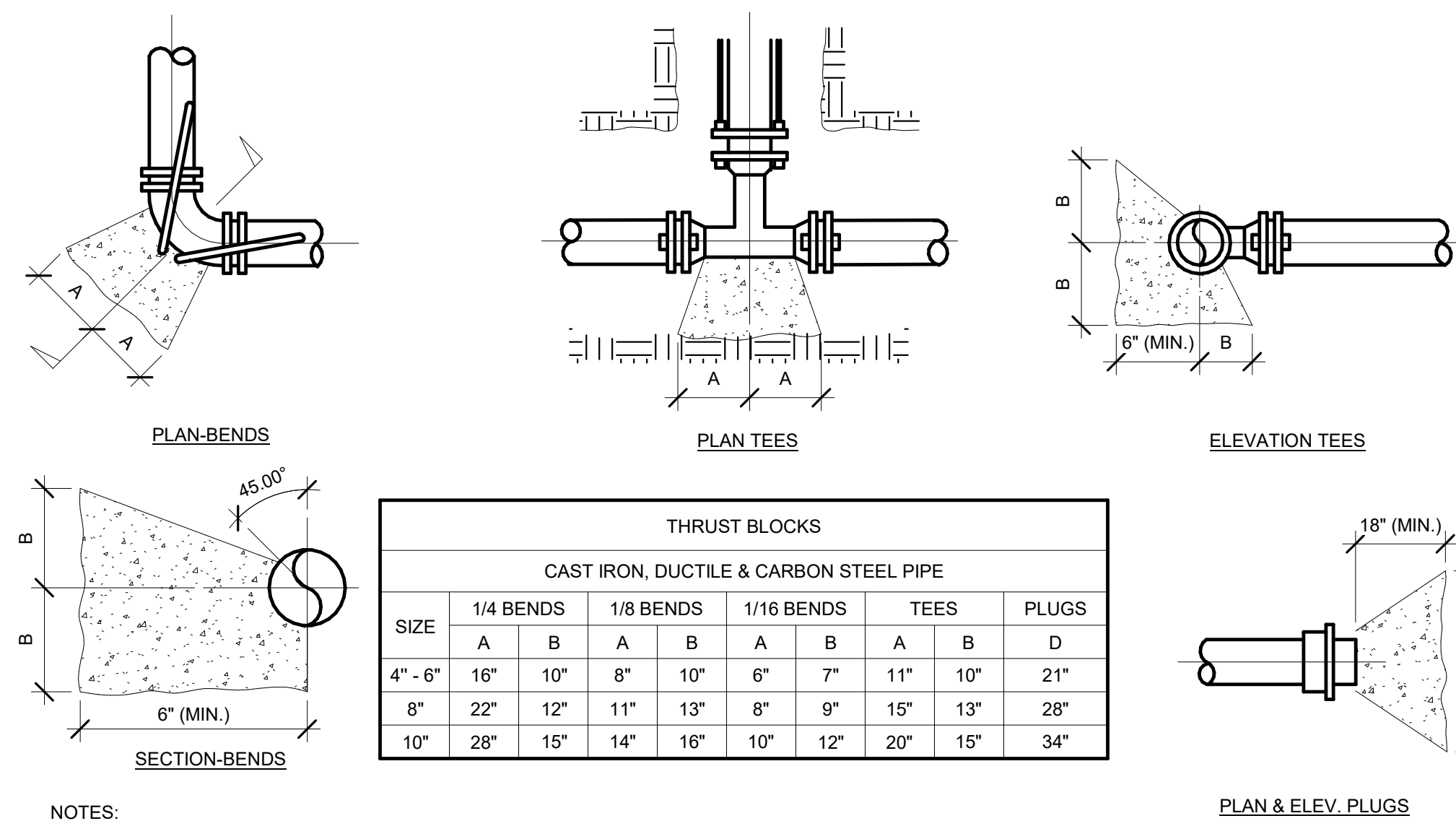
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**DRAWING NAME
MECHANICAL SITE
PLAN**

DRAWING NO.

M050

Drawn By: WJS Checked By: MAR



- NOTES:
1. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.
 2. ALL MAINS TO HAVE THRUST BLOCKS AT ALL ELBOWS, TEES, VALVES & PLUGS.
 3. THRUST BLOCK DESIGN BASED ON:
SOIL RESISTANCE = 2000# / SOFT MIN
LINE PRESSURE = 200 PSI.
 4. ADJUST THRUST BLOCK SIZES BASED ON ACTUAL PROJECT SOIL RESISTANCE.

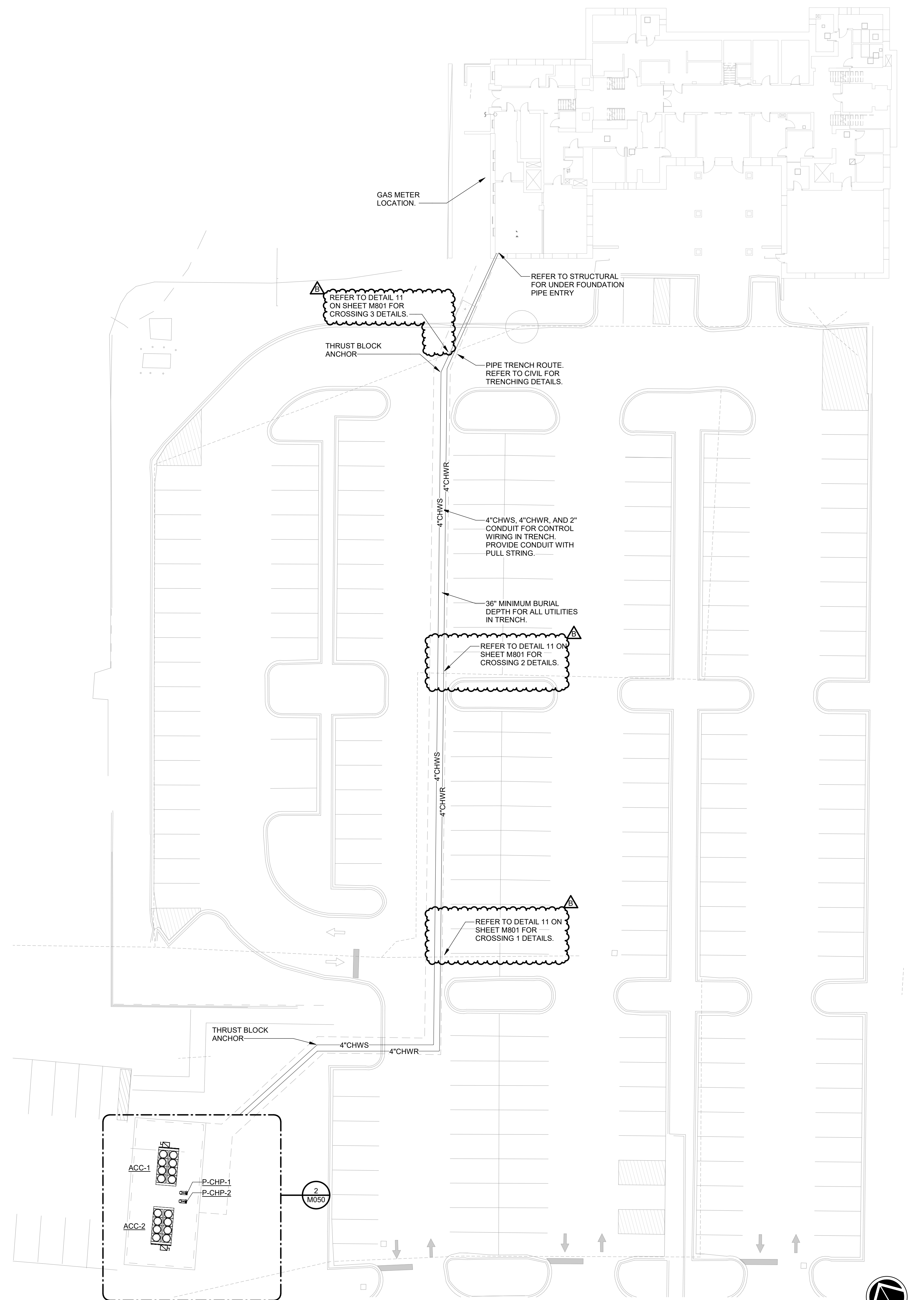
3 UNDERGROUND THRUST BLOCK DETAILS
M050 NOT TO SCALE

GENERAL NOTES:

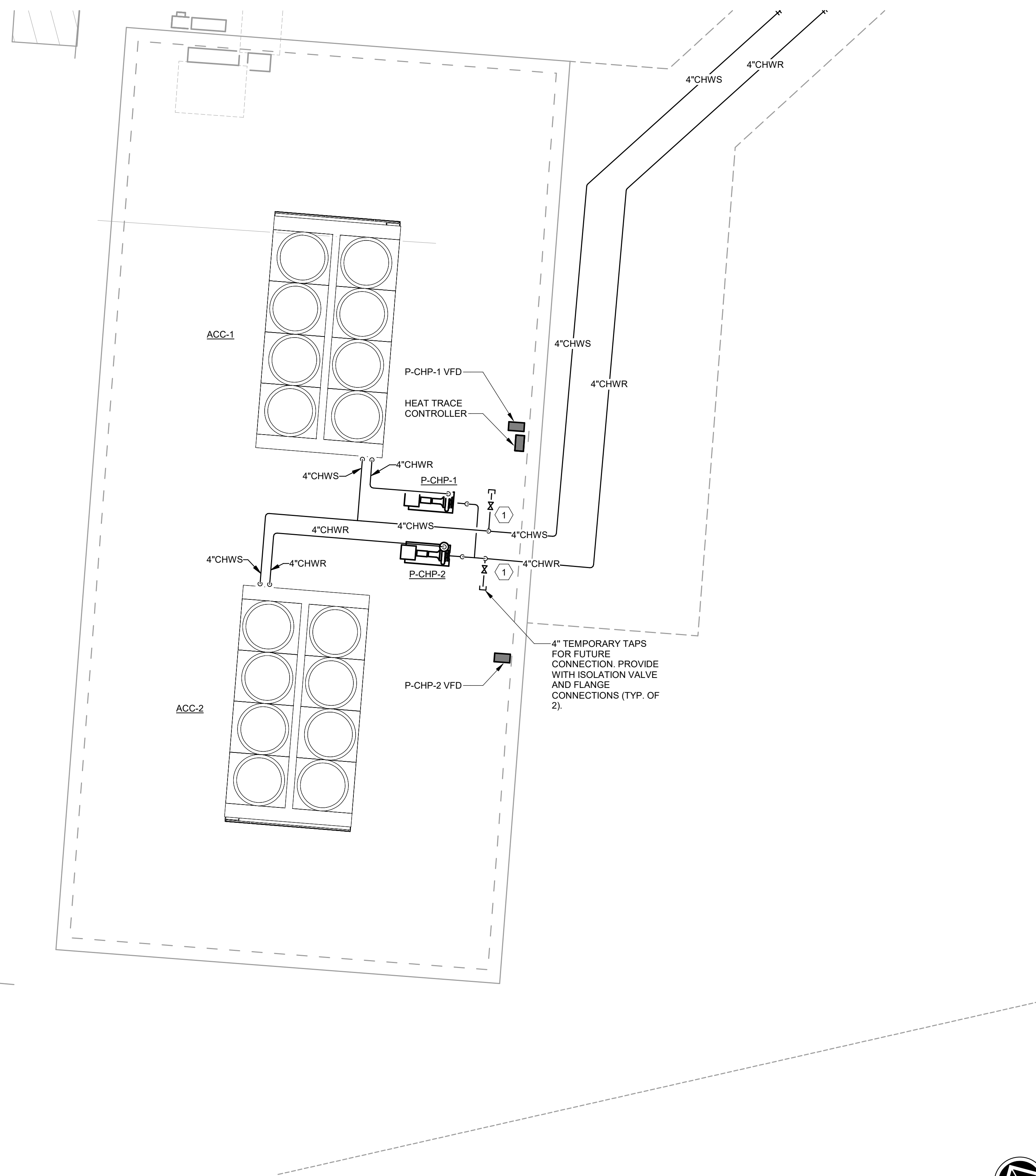
A. CONTROLS CONDUIT SHALL BE SCH 40 PVC BELOW GRADE, COMPLY WITH DIV 26 SECTIONS. PROVIDE JUNCTION/PULL BOXES AT INTERVALS REQUIRED BY THE NEC SO THAT NO SINGLE RUN HAS MORE THAN 360° TOTAL BENDS BETWEEN PULL POINTS. WHERE BOXES ARE REQUIRED, PROVIDE OPEN BOTTOM FIBERGLASS-REINFORCED-POLYMER HANDHOLES WITH ANSISQSTE TIER 15 LOAD RATING, QUAZITE OR EQUAL BY OLDCASTLE, SIZED PER NEC. PROVIDE CRUSHED STONE BELOW HANDHOLE FOR DRAINAGE PER MANUFACTURER'S INSTRUCTIONS.

PLAN NOTES:

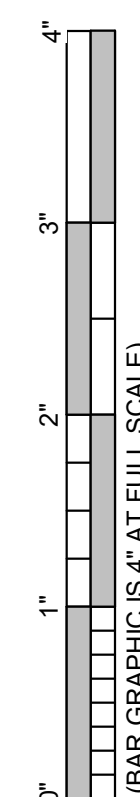
1. PROVIDE SW/FT HEAT TRACE FOR ALL EXTERIOR CHWS & CHWR PIPING.



1 MECHANICAL OVERALL SITE PLAN
M050 1" = 20'-0"



2 MECHANICAL ENLARGED CHILLER YARD PLAN
M050 1/4" = 1'-0"

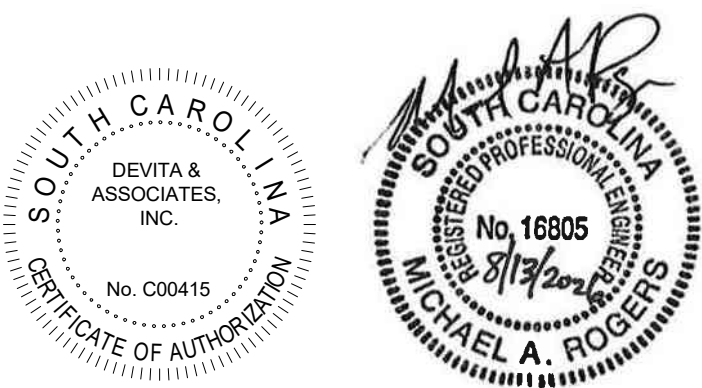


GENERAL DEMOLITION NOTES:

- A. ONLY DEMOLISH AND REMOVE EXISTING AIR HANDLERS AND ASSOCIATED OUTDOOR UNITS, DUCTWORK, PIPING, INSULATION, AIR TERMINALS, CONTROL WIRING, THERMOSTATS, SENSORS, ETC. THE ENTIRE EXISTING VRF SYSTEM, INCLUDING ALL COMPONENTS, IS TO BE REMOVED. NOT ALL ITEMS EXISTING TO REMAIN ARE SHOWN. ANY ITEMS NOT ASSOCIATED WITH THE REPLACEMENT OF THE HVAC SYSTEMS OR NOTED TO BE DEMOLISHED, ARE EXISTING TO REMAIN. DO NOT DEMOLISH OR DISRUPT THE OPERATION OF ANY OTHER SYSTEMS SERVING THE BUILDING.
- B. IF ANY OF THE EXISTING SYSTEMS TO REMAIN ARE IDENTIFIED TO BE IN NEED OF REPAIR, DOCUMENT AND NOTIFY DESIGNER THROUGH AN RFI FOR DISPOSITION.
- C. ALL HVAC DUCTWORK, EQUIPMENT, AND DIFFUSERS TO REMAIN SHALL BE CLEANED IN ACCORDANCE WITH THE SPECIFICATIONS.
- D. OWNER'S TEMPORARY DEHUMIDIFICATION AND AIR SCRUBBER EQUIPMENT SHALL REMAIN. CONTRACTOR SHALL OPERATE AND MAINTAIN FOR THE DURATION OF THE PROJECT.
- E. DEMOLISH AND REMOVE EXISTING THE ENTIRE EXISTING HVAC CONTROLS/BUILDING MANAGEMENT SYSTEM, INCLUDING ALL CABLING AND COMPONENTS. NOT ALL ITEMS EXISTING TO REMAIN ARE SHOWN. ANY ITEMS NOT ASSOCIATED WITH THE REPLACEMENT OF THE HVAC CONTROLS/BUILDING MANAGEMENT SYSTEMS OR NOTED TO BE DEMOLISHED ARE EXISTING TO REMAIN. DO NOT DEMOLISH OR DISRUPT THE OPERATION OF ANY OTHER SYSTEMS SERVING THE BUILDING.
- F. UNLESS NOTED OTHERWISE, EXISTING THERMOSTAT LOCATIONS TO BE REUSED.

DEMOLITION PLAN NOTES: (#)

1. EXISTING EXHAUST IS EXISTING TO REMAIN.
2. EXISTING DIFFUSER TO REMAIN. PREPARE FOR RECONNECTION AS SHOWN ON NEW WORK PLAN. IF DIFFUSER IS NOT BEING REUSED CAP AND SEAL OPENING TO SEPARATE FROM PLENUM SPACE.
3. EXISTING WOOD HVAC COVERS ARE TO BE REMOVED, STORED AND PROTECTED, AND REINSTALLED OVER NEW HVAC EQUIPMENT. PHOTO DOCUMENT ANY DAMAGE TO UNITS PRIOR TO STARTING DEMOLITION.
4. EXISTING UNIT HEATER TO REMAIN.
5. EXISTING THERMOSTAT/SENSOR LOCATION WILL NOT BE REUSED. REFER TO ARCHITECTURAL FOR WALL REPAIR INFORMATION.



PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

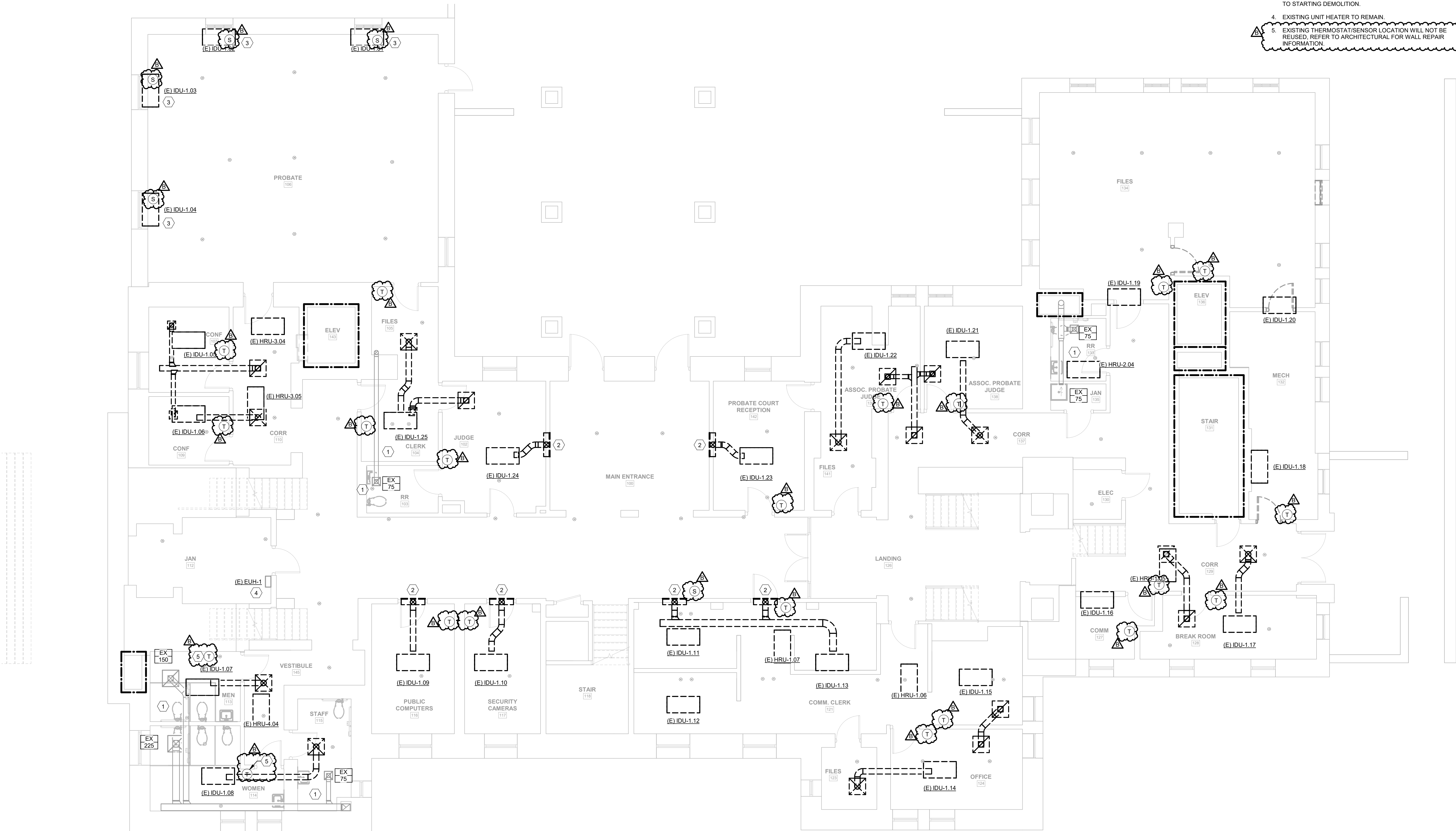
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DRAWING NAME
MECHANICAL 1ST
FLOOR DEMOLITION
PLAN

DRAWING NO.

M101

Drawn By: WJS Checked By: MAR



1 MECHANICAL 1ST FLOOR DEMOLITION PLAN
M101 3/16" = 1'-0"

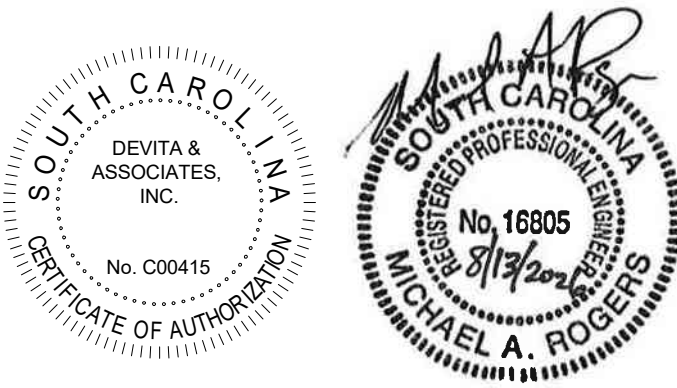


GENERAL DEMOLITION NOTES:

- A. ONLY DEMOLISH AND REMOVE EXISTING AIR HANDLERS AND ASSOCIATED OUTDOOR UNITS, DUCTWORK, PIPING, INSULATION, AIR TERMINALS, CONTROL WIRING, THERMOSTATS, SENSORS, ETC. THE ENTIRE EXISTING VRF SYSTEM INCLUDING ALL COMPONENTS, IS TO BE REMOVED. NOT ALL ITEMS EXISTING TO REMAIN ARE SHOWN. ANY ITEMS NOT ASSOCIATED WITH THE REPLACEMENT OF THE HVAC SYSTEMS OR NOTED TO BE DEMOLISHED, ARE EXISTING TO REMAIN. DO NOT DEMOLISH OR DISRUPT THE OPERATION OF ANY OTHER SYSTEMS SERVING THE BUILDING.
- B. IF ANY OF THE EXISTING SYSTEMS TO REMAIN ARE IDENTIFIED TO BE IN NEED OF REPAIR, DOCUMENT AND NOTIFY DESIGNER THROUGH AN RFI FOR DISPOSITION.
- C. ALL HVAC DUCTWORK, EQUIPMENT, AND DIFFUSERS TO REMAIN SHALL BE CLEANED IN ACCORDANCE WITH THE SPECIFICATIONS.
- D. OWNER'S TEMPORARY DEHUMIDIFICATION AND AIR SCRUBBER EQUIPMENT SHALL REMAIN. CONTRACTOR SHALL OPERATE AND MAINTAIN FOR THE DURATION OF THE PROJECT.
- E. DEMOLISH AND REMOVE EXISTING THE ENTIRE EXISTING HVAC CONTROLS/BUILDING MANAGEMENT SYSTEM, INCLUDING ALL CABLING AND COMPONENTS. NOT ALL ITEMS EXISTING TO REMAIN ARE SHOWN. ANY ITEMS NOT ASSOCIATED WITH THE REPLACEMENT OF THE HVAC CONTROLS/BUILDING MANAGEMENT SYSTEMS OR NOTED TO BE DEMOLISHED ARE EXISTING TO REMAIN. DO NOT DEMOLISH OR DISRUPT THE OPERATION OF ANY OTHER SYSTEMS SERVING THE BUILDING.
- F. UNLESS NOTED OTHERWISE, EXISTING THERMOSTAT LOCATIONS TO BE REUSED.

DEMOLITION PLAN NOTES: (E)

1. EXISTING EXHAUST IS EXISTING TO REMAIN.
2. EXISTING DIFFUSER TO REMAIN. PREPARE FOR RECONNECTION AS SHOWN ON NEW WORK PLAN. IF DIFFUSER IS NOT BEING REUSED CAP AND SEAL OPENING TO SEPARATE FROM PLENUM SPACE.
3. EXISTING WOOD HVAC COVERS ARE TO BE REMOVED, STORED AND PROTECTED, AND REINSTALLED OVER NEW HVAC EQUIPMENT. PHOTO DOCUMENT ANY DAMAGE TO UNITS PRIOR TO STARTING DEMOLITION.
4. EXISTING UNIT HEATER TO REMAIN.
5. EXISTING THERMOSTAT/SENSOR LOCATION WILL NOT BE REUSED. REFER TO ARCHITECTURAL FOR WALL REPAIR INFORMATION.



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CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

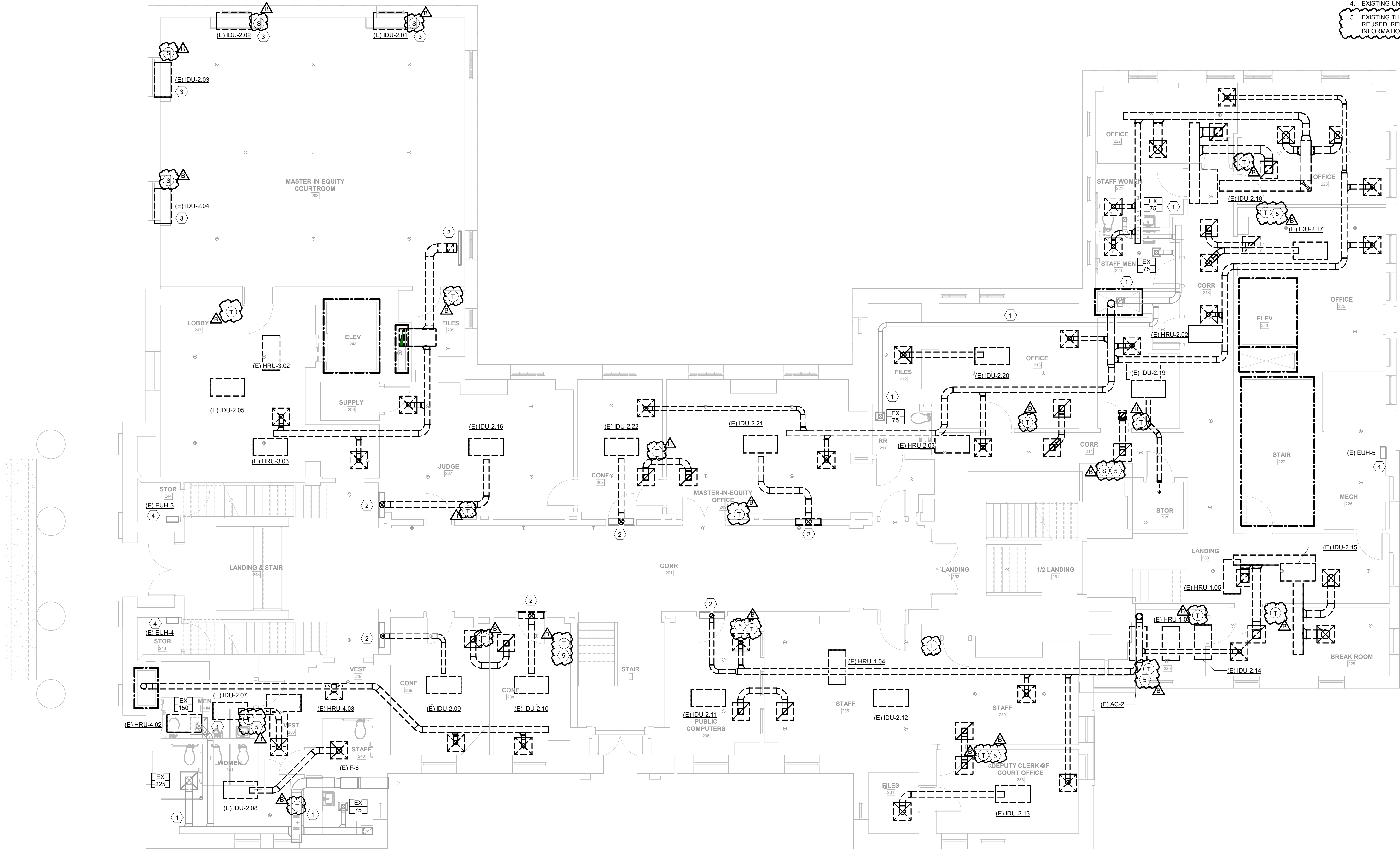
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DRAWING NAME
MECHANICAL 2ND
FLOOR DEMOLITION
PLAN

DRAWING NO.

M102

Drawn By: WJS Checked By: MAR

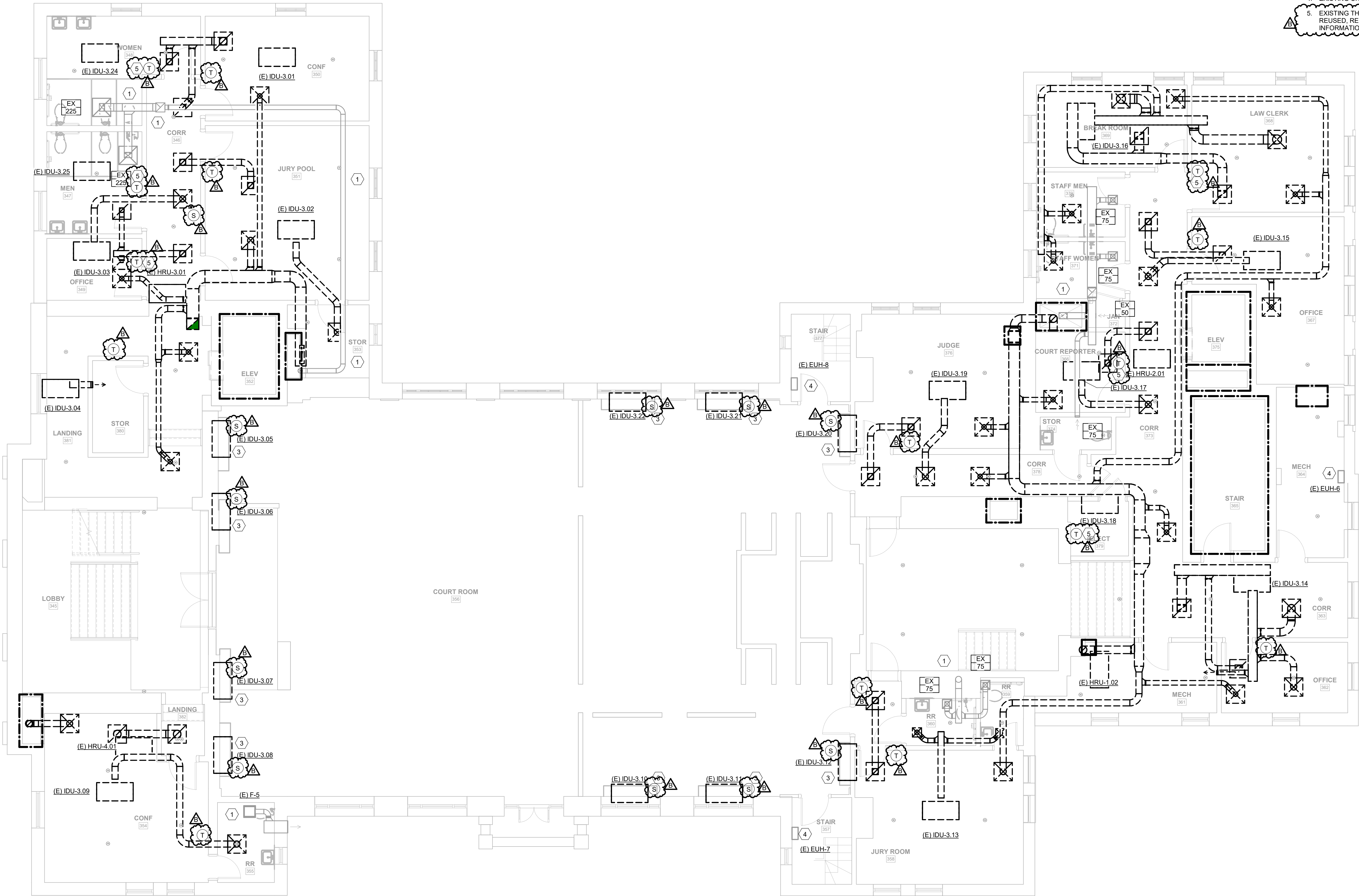


GENERAL DEMOLITION NOTES:

- A. ONLY DEMOLISH AND REMOVE EXISTING AIR HANDLERS AND ASSOCIATED OUTDOOR UNITS, DUCTWORK, PIPING, INSULATION, AIR TERMINALS, CONTROL WIRING, THERMOSTATS, SENSORS, ETC. THE ENTIRE EXISTING VRF SYSTEM INCLUDING ALL COMPONENTS, IS TO BE REMOVED. NOT ALL ITEMS EXISTING TO REMAIN ARE SHOWN. ANY ITEMS NOT ASSOCIATED WITH THE REPLACEMENT OF THE HVAC SYSTEMS OR NOTED TO BE DEMOLISHED, ARE EXISTING TO REMAIN. DO NOT DEMOLISH OR DISRUPT THE OPERATION OF ANY OTHER SYSTEMS SERVING THE BUILDING.
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- C. ALL HVAC DUCTWORK, EQUIPMENT, AND DIFFUSERS TO REMAIN SHALL BE CLEANED IN ACCORDANCE WITH THE SPECIFICATIONS.
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- E. DEMOLISH AND REMOVE EXISTING THE ENTIRE EXISTING HVAC CONTROLS/BUILDING MANAGEMENT SYSTEM, INCLUDING ALL CABLING AND COMPONENTS. NOT ALL ITEMS EXISTING TO REMAIN ARE SHOWN. ANY ITEMS NOT ASSOCIATED WITH THE REPLACEMENT OF THE HVAC CONTROLS/BUILDING MANAGEMENT SYSTEMS OR NOTED TO BE DEMOLISHED ARE EXISTING TO REMAIN. DO NOT DEMOLISH OR DISRUPT THE OPERATION OF ANY OTHER SYSTEMS SERVING THE BUILDING.
- F. UNLESS NOTED OTHERWISE, EXISTING THERMOSTAT LOCATIONS TO BE REUSED.

DEMOLITION PLAN NOTES: (S)

1. EXISTING EXHAUST IS EXISTING TO REMAIN.
2. EXISTING DIFFUSER TO REMAIN. PREPARE FOR RECONNECTION AS SHOWN ON NEW WORK PLAN. IF DIFFUSER IS NOT BEING REUSED CAP AND SEAL OPENING TO SEPARATE FROM PLENUM SPACE.
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5. EXISTING THERMOSTAT/SENSOR LOCATION WILL NOT BE REUSED. REFER TO ARCHITECTURAL FOR WALL REPAIR INFORMATION.



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Greenville, SC 29615
www.devita-inc.com
877-4-DEVITA
corp@devita-inc.com

CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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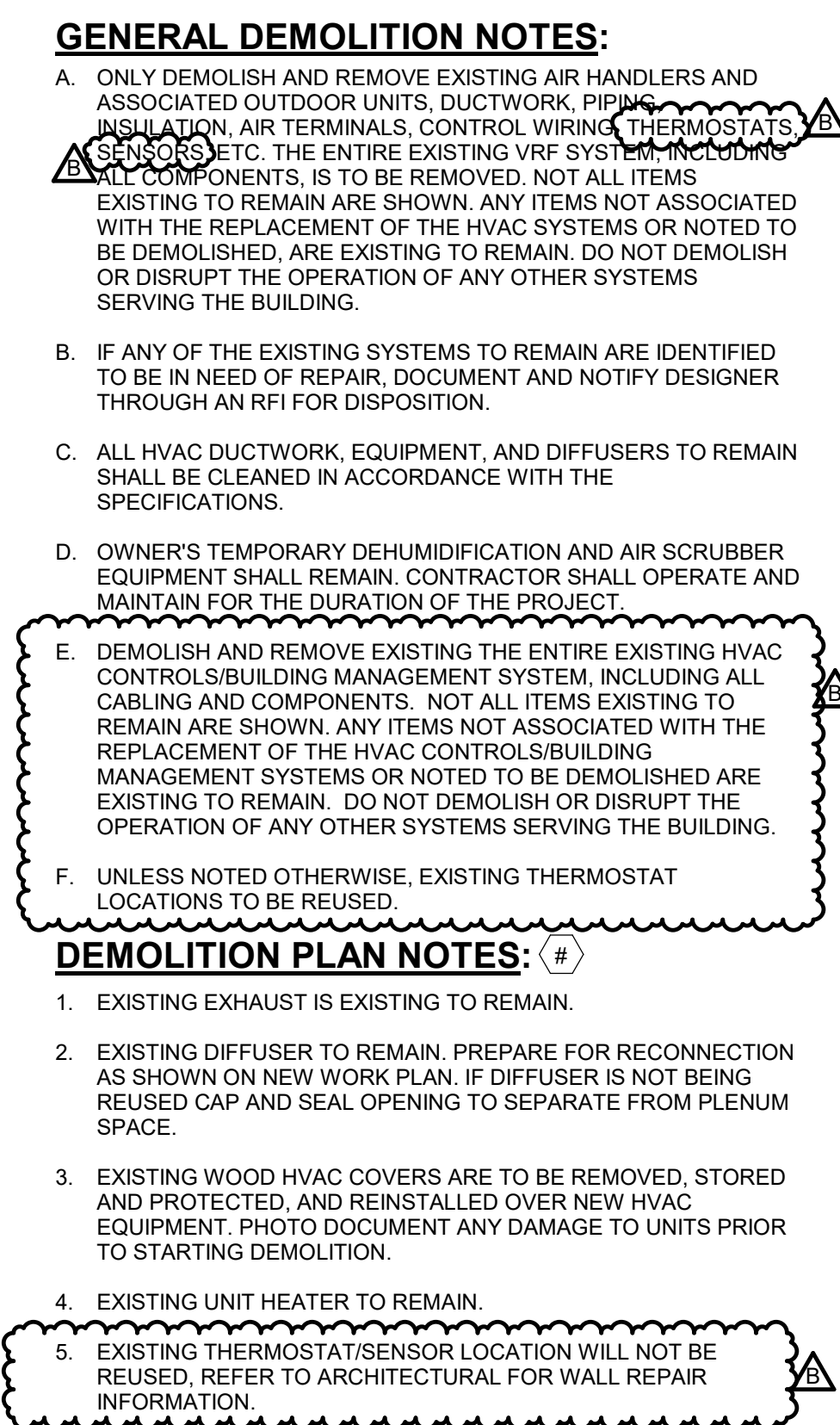
DRAWING NAME
MECHANICAL 3RD
FLOOR DEMOLITION
PLAN

DRAWING NO.

M103

Drawn By: WJS Checked By: MAR

1 MECHANICAL 3RD FLOOR DEMOLITION PLAN
M103 3/16" = 1'-0"



CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2028

REVISIONS		
NO.	DATE	DESCRIPTION
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DRAWING NAME
MECHANICAL 4TH
FLOOR DEMOLITION
PLAN

DRAWING NO.

M104

Drawn By: WJS Checked By: MAR



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CONSULTANT



YORK COUNTY HISTORICAL COURTHOUSE HVAC REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
**MECHANICAL 1ST
FLOOR PLAN**

DRAWING NO.

M201

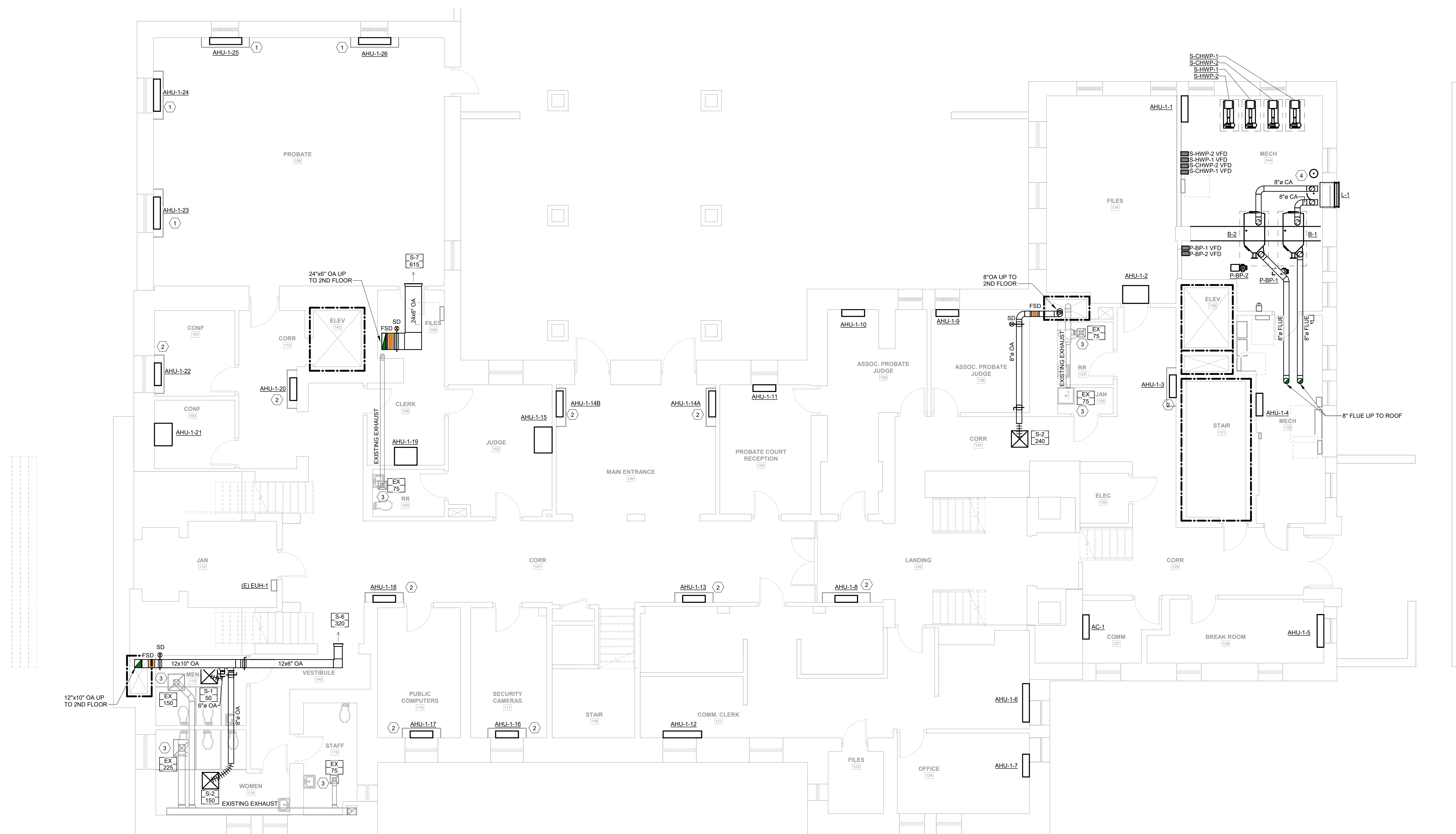
Drawn By: WJS Checked By: MAR

GENERAL NOTES:

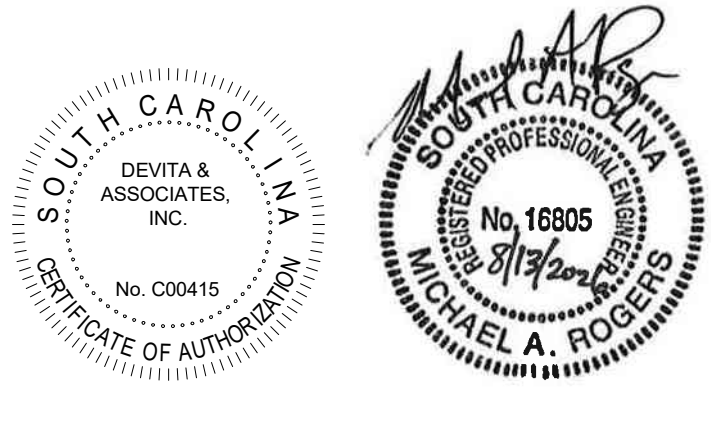
- A. OWNER'S EXISTING TEMPORARY DEHUMIDIFICATION AND AIR SCRUBBER EQUIPMENT SHALL REMAIN. CONTRACTOR SHALL OPERATE AND MAINTAIN FOR THE DURATION OF THE PROJECT.

PLAN NOTES:

1. NEW VERTICAL FAN COIL UNIT IS TO BE INSTALLED INSIDE OF EXISTING WOOD HVAC COVER.
2. NEW FAN COIL UNIT IS TO BE INSTALLED IN NEW WOOD HVAC COVER. COORDINATE THE INTERIOR DIMENSIONS REQUIRED FOR THE NEW FAN COIL UNIT, ASSOCIATED VALVES, AND PIPING WITH CASEWORK VENDOR. REFER TO ARCHITECTURAL CASEWORK DETAILS.
3. RE-BALANCE EXISTING EXHAUST TO INDICATED LEVEL.
4. PROVIDE 1" THICK INSULATED PLENUM 8" DEEP OVER ENTIRE LOUVER.



1
M201
MECHANICAL 1ST FLOOR PLAN
3/16" = 1'-0"



SEALS

DEVITA
Engineering Great Ideas
ATLANTA | CHARLOTTE | GREENVILLE | RICHMOND
33 Villa Road, Suite 300
Greenville, SC 29615
www.devita-inc.com
877-4-DEVITA
corp@devita-inc.com

CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

DISCLAIMER:
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DRAWING NAME
MECHANICAL 2ND
FLOOR PLAN

DRAWING NO.

M202

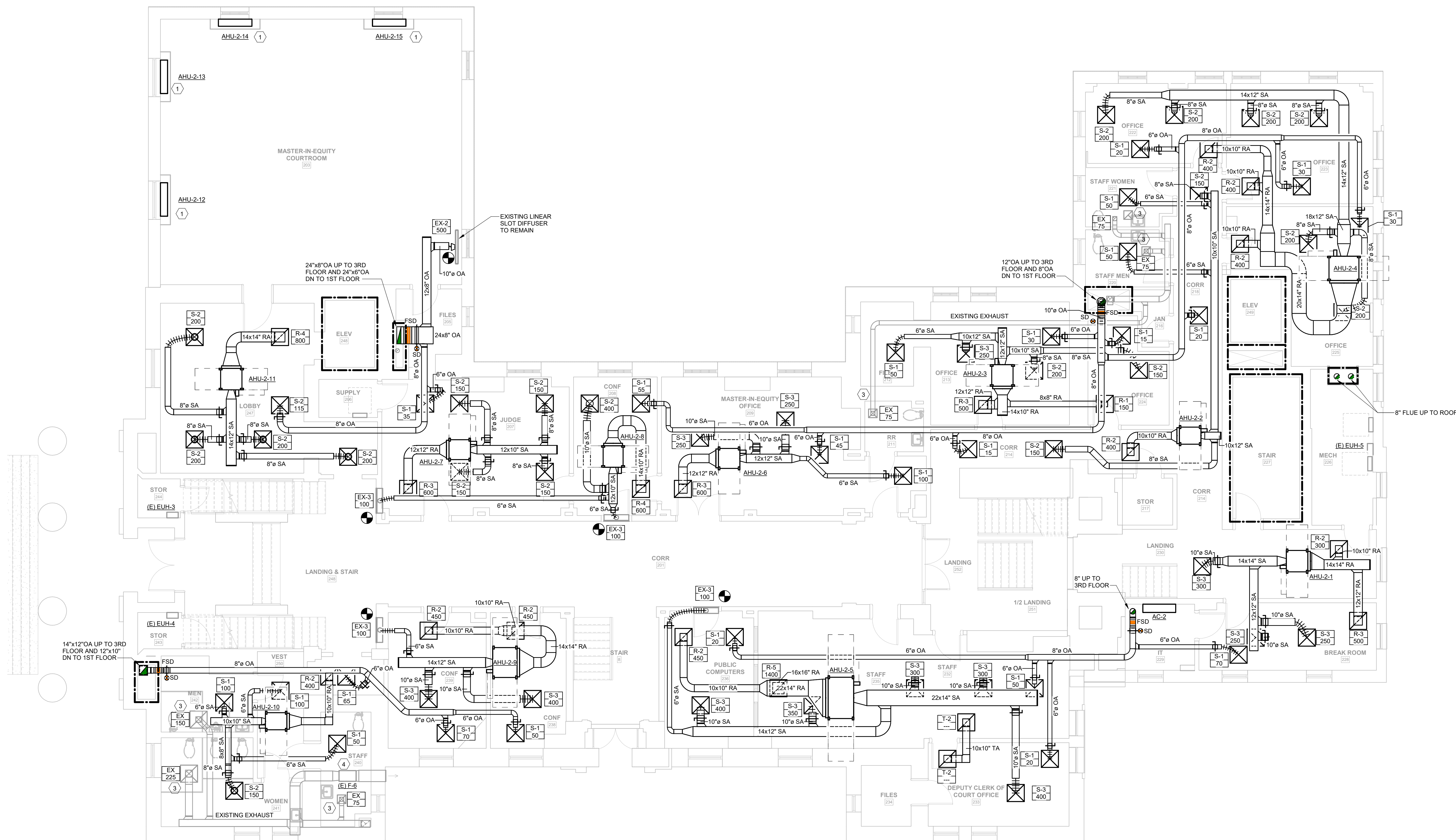
Drawn By: WJS Checked By: MAR

GENERAL NOTES:

- A. OWNER'S EXISTING TEMPORARY DEHUMIDIFICATION AND AIR
SCRUBBER EQUIPMENT SHALL REMAIN. CONTRACTOR SHALL
OPERATE AND MAINTAIN FOR THE DURATION OF THE PROJECT.

PLAN NOTES: (4)

1. NEW VERTICAL FAN COIL UNIT IS TO BE INSTALLED INSIDE OF
EXISTING WOOD HVAC COVER.
2. NEW FAN COIL UNIT IS TO BE INSTALLED IN NEW WOOD HVAC
COVER. COORDINATE THE INTERIOR DIMENSIONS REQUIRED
FOR THE NEW FAN COIL UNIT, ASSOCIATED VALVES, AND PIPING
WITH CASEWORK VENDOR. REFER TO ARCHITECTURAL
CASEWORK DETAILS.
3. RE-BALANCE EXISTING EXHAUST TO INDICATED LEVEL.
4. RE-BALANCE EXISTING EXHAUST FAN TO PROVIDE INDICATED
AIRFLOW. PROVIDE NEW FAN SHEAVE IF NEEDED.



1 MECHANICAL 2ND FLOOR PLAN
M202
3/16" = 1'-0"



**YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT**

2 S. CONGRESS ST,
YORK, SC 29745

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DRAWING NAME
**MECHANICAL 3RD
FLOOR PLAN**

DRAWING NO.

M203

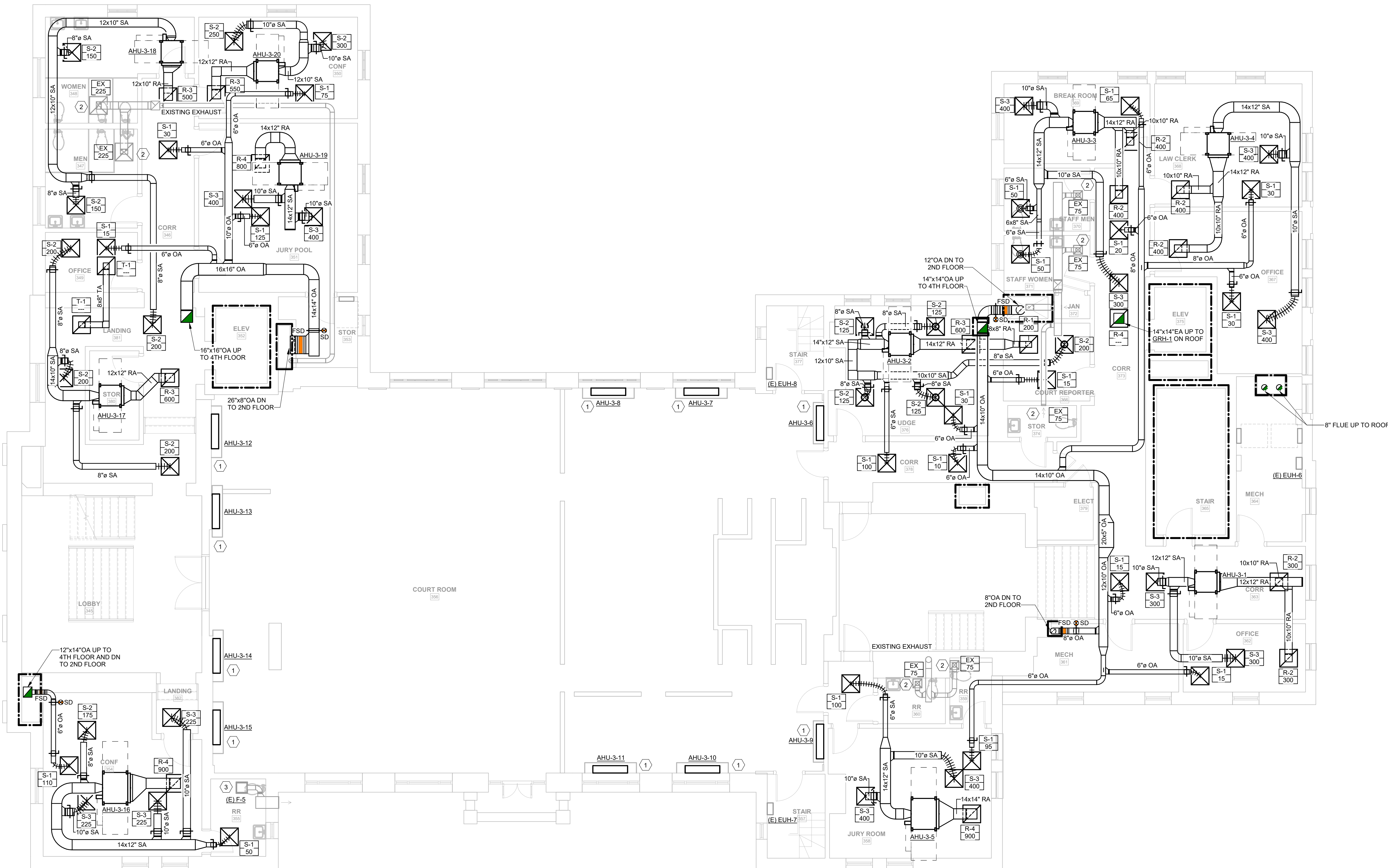
Drawn By: WJS Checked By: MAR

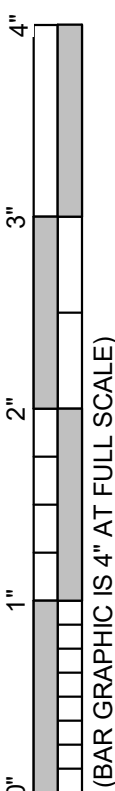
GENERAL NOTES:

- A. OWNER'S EXISTING TEMPORARY DEHUMIDIFICATION AND AIR SCRUBBER EQUIPMENT SHALL REMAIN. CONTRACTOR SHALL OPERATE AND MAINTAIN FOR THE DURATION OF THE PROJECT.

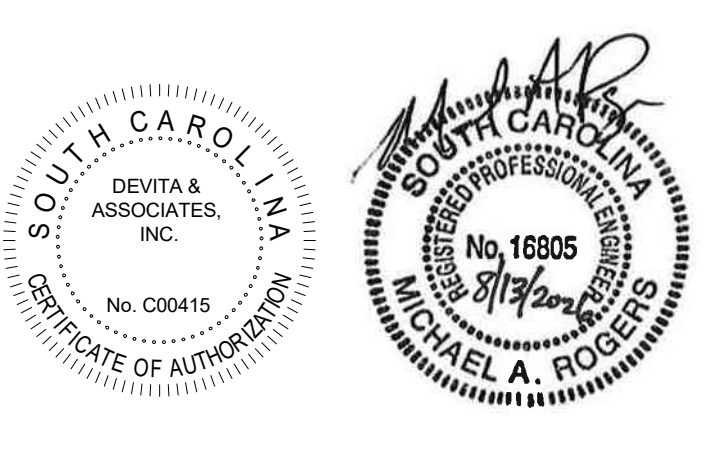
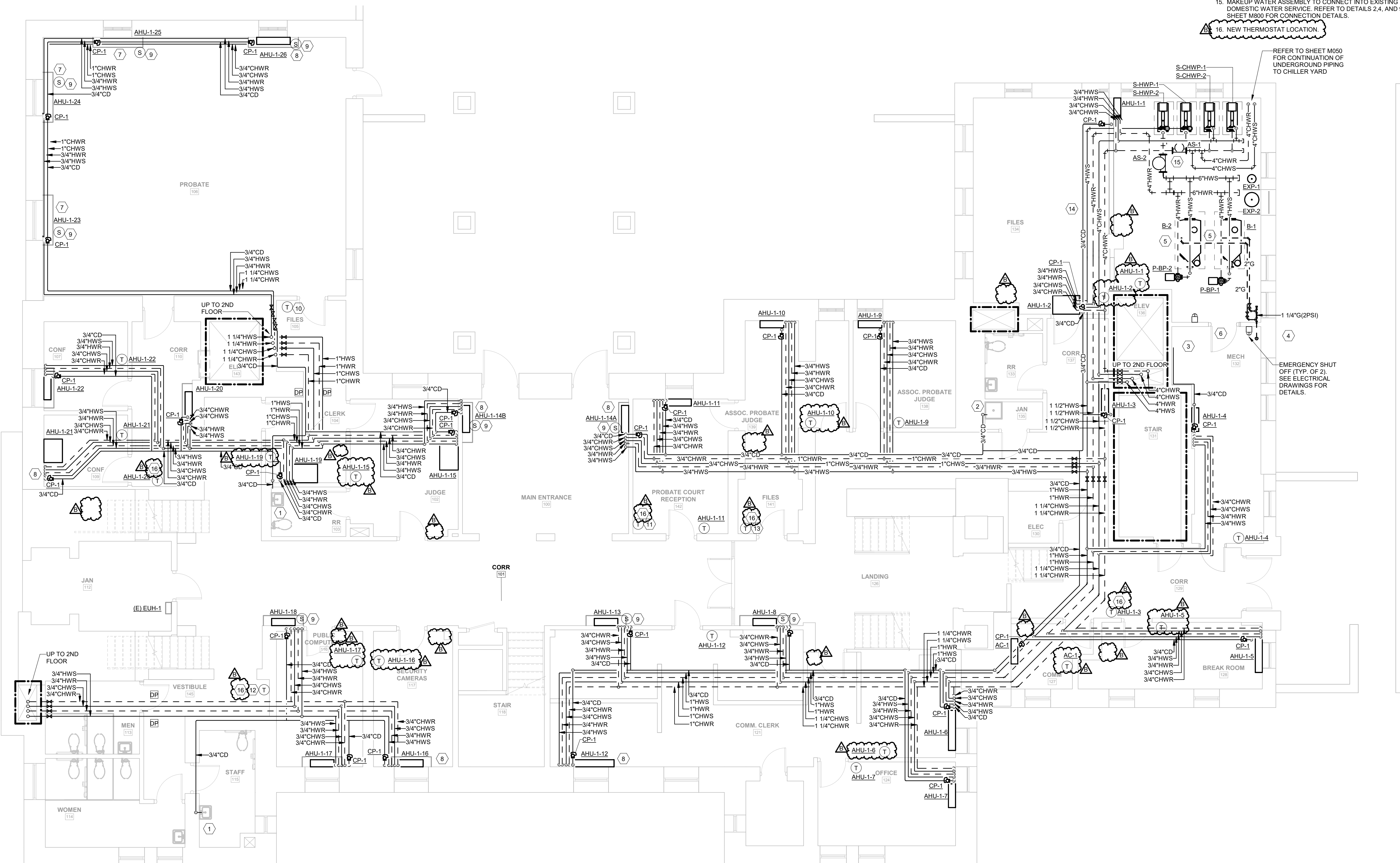
PLAN NOTES:

1. NEW VERTICAL FAN COIL UNIT IS TO BE INSTALLED INSIDE OF EXISTING WOOD HVAC COVER.
2. RE-BALANCE EXISTING EXHAUST TO INDICATED LEVEL.
3. RE-BALANCE EXISTING EXHAUST FAN TO PROVIDE INDICATED AIRFLOW. PROVIDE NEW FAN SHEAVE IF NEEDED.





- GENERAL NOTES:**
- A. UNLESS NOTED OTHERWISE, EXISTING THERMOSTAT LOCATIONS SHALL BE REUSED.
- PLAN NOTES:**
- CONDENSATE ROUTED TO UTILITY BOX. REFER TO DETAIL 6 ON SHEET M800 FOR PIPE CONNECTION.
 - CONDENSATE ROUTED TO MOP SINK. PROVIDE WITH AIR GAP.
 - CONDENSATE ROUTED TO EXISTING FLOOR DRAIN. PROVIDE WITH AIR GAP.
 - NEW GAS METER LOCATION.
 - 2"G (1,500 CFH) TO BOILER. REFER TO MANUFACTURER INSTALLATION FOR CONNECTION.
 - RECONFIGURE EXISTING 2" CW MAIN TO ACCOMMODATE NEW BOILER FLUE DUCT INSTALLATION. EXISTING 2" CW TO REMAIN ABOVE DOOR BUT AT LOWER ELEVATION TO ALLOW NEW BOILER FLUE DUCT PATH.
 - CONNECT HOT WATER AND CHILLED WATER TO AHU PER DETAIL 1 ON SHEET M800.
 - CONNECT HOT WATER AND CHILLED WATER TO AHU PER DETAIL 3 ON SHEET M800.
 - RETURN-PATH MOUNTED TEMPERATURE SENSOR. TIE INTO MASTER THERMOSTAT FOR SETPOINT CONTROL.
 - MASTER THERMOSTAT (AVERAGING BETWEEN 4 UNITS IN PROBATE 106).
 - MASTER THERMOSTAT (AVERAGING BETWEEN 2 UNITS IN MAIN ENTRANCE 100).
 - MASTER THERMOSTAT (AVERAGING BETWEEN 2 UNITS IN CORRIDOR 101).
 - MASTER THERMOSTAT (FOR LANDING 126).
 - PROVIDE DRAIN PAN FOR HYDRONIC PIPING THROUGH FILES 134. DRAIN PAN TO DISPENSE ON FLOOR IN FRONT OF FILES 134 DOOR FOR EARLY SET LEAK DETECTION. PROVIDE WITH TAIL TAIL CONNECTION.
 - MAKEUP WATER ASSEMBLY TO CONNECT INTO EXISTING DOMESTIC WATER SERVICE. REFER TO DETAILS 2, 4, AND 9 ON SHEET M800 FOR CONNECTION DETAILS.
 - NEW THERMOSTAT LOCATION.
- REFER TO SHEET M050 FOR CONTINUATION OF UNDERGROUND PIPING TO CHILLER YARD



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YORK COUNTY HISTORICAL COURTHOUSE HVAC REPLACEMENT

2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No. 24501-01
Issue Date: 1 JUL 2026

REVISIONS		
NO.	DATE	DESCRIPTION
A	1 JUL 2026	ISSUE FOR PERMIT & BID
B	13 AUG 2026	ADDENDUM 2

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DRAWING NAME
MECHANICAL 1ST
FLOOR PIPING PLAN

DRAWING NO.
M301
Drawn By: WJS Checked By: MAR

GENERAL NOTES:

A. UNLESS NOTED OTHERWISE, EXISTING THERMOSTAT LOCATIONS SHALL BE REUSED.

PLAN NOTES: #

- CONDENSATE ROUTED TO UTILITY BOX. REFER TO DETAIL 6 ON SHEET M800 FOR PIPE CONNECTION.
- CONNECT HOT WATER AND CHILLED WATER TO AHU PER DETAIL 3 ON SHEET M800.
- CONNECT HOT WATER AND CHILLED WATER TO AHU PER DETAIL 3 ON SHEET M800.
- PROVIDE HYDRONIC PIPING THROUGH IT ROOM 228 WITH DRAIN PAN BELOW. DRAIN PAN TO DISPOSE ON FLOOR IN FRONT OF BREAK ROOM 228 ENTRANCE DOOR FOR EARLY SET LEAK DETECTION. PROVIDE WITH TELL-TALE CONNECTION.
- RETURN-PATH MOUNTED TEMPERATURE SENSOR. TIE INTO MASTER THERMOSTAT FOR SETPOINT CONTROL.
- MASTER THERMOSTAT (AVERAGING BETWEEN 4 UNITS IN MASTER-IN-EQUITY COURTROOM 203).
- ALL EXISTING PIPING TO BE SEALED ACCORDING TO U.L. LISTED STANDARDS.

CONSULTANT

PROJECT INFORMATION:



YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT

2 S. CONGRESS ST,
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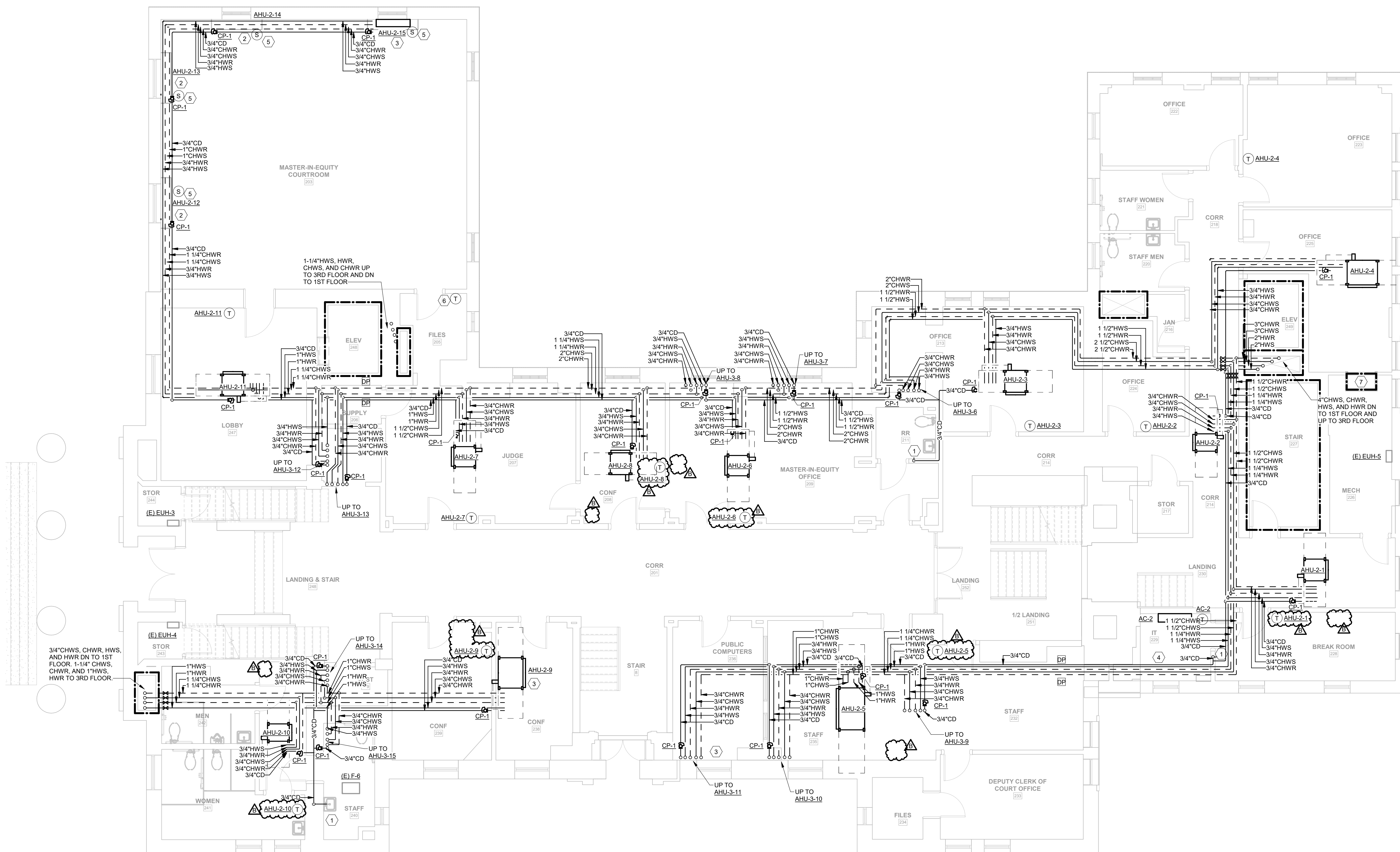
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DRAWING NAME
MECHANICAL 2ND
FLOOR PIPING PLAN

DRAWING NO.

M302

Drawn By: WJS Checked By: MAR



1 MECHANICAL 2ND FLOOR PIPING PLAN
M302 3/16" = 1'-0"

CONSULTANT

PROJECT INFORMATION:



**YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT**

2 S. CONGRESS ST,
YORK, SC 29745

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DRAWING NAME
**MECHANICAL 3RD
FLOOR PIPING PLAN**

DRAWING NO.

M303

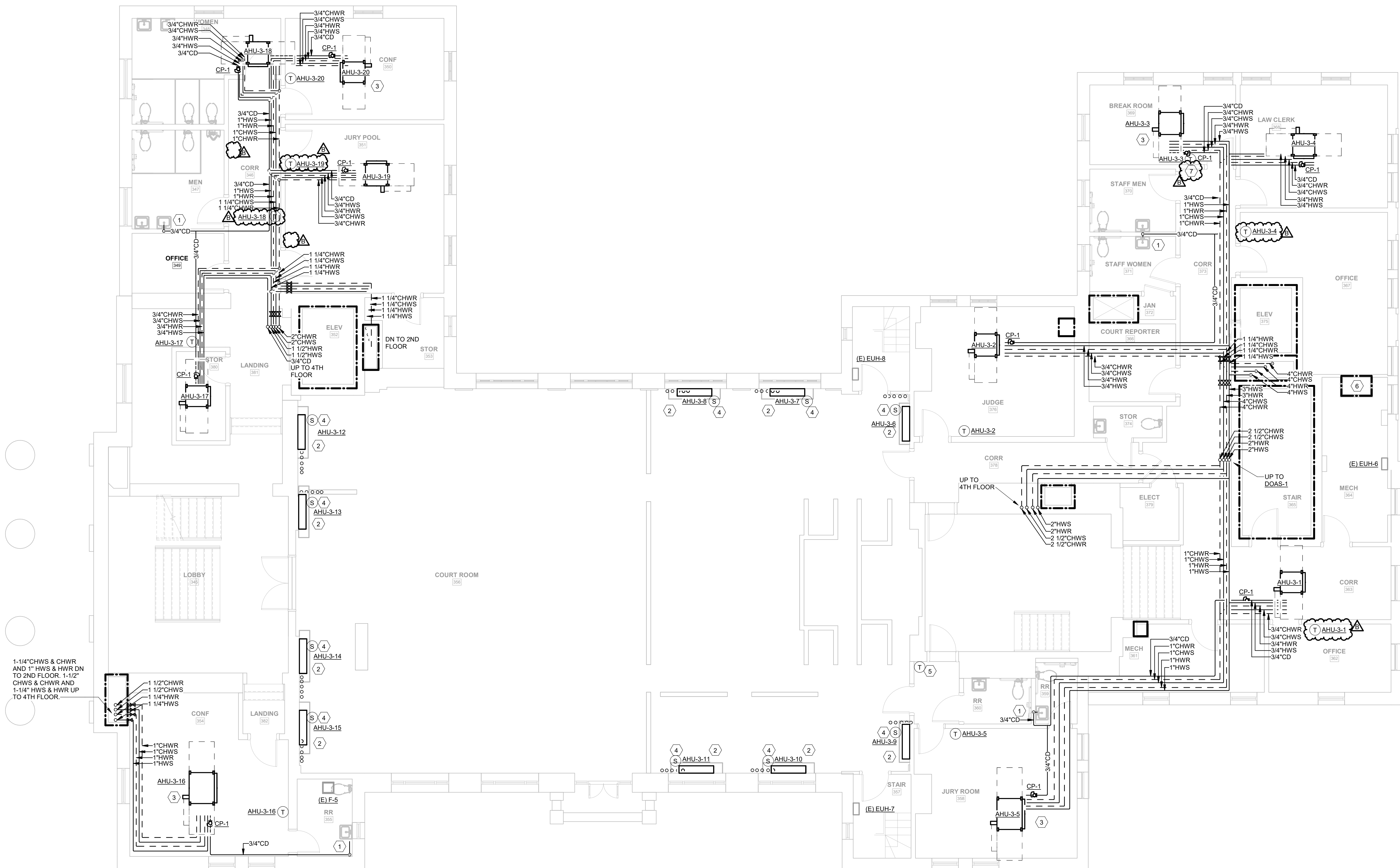
Drawn By: WJS Checked By: MAR

GENERAL NOTES:

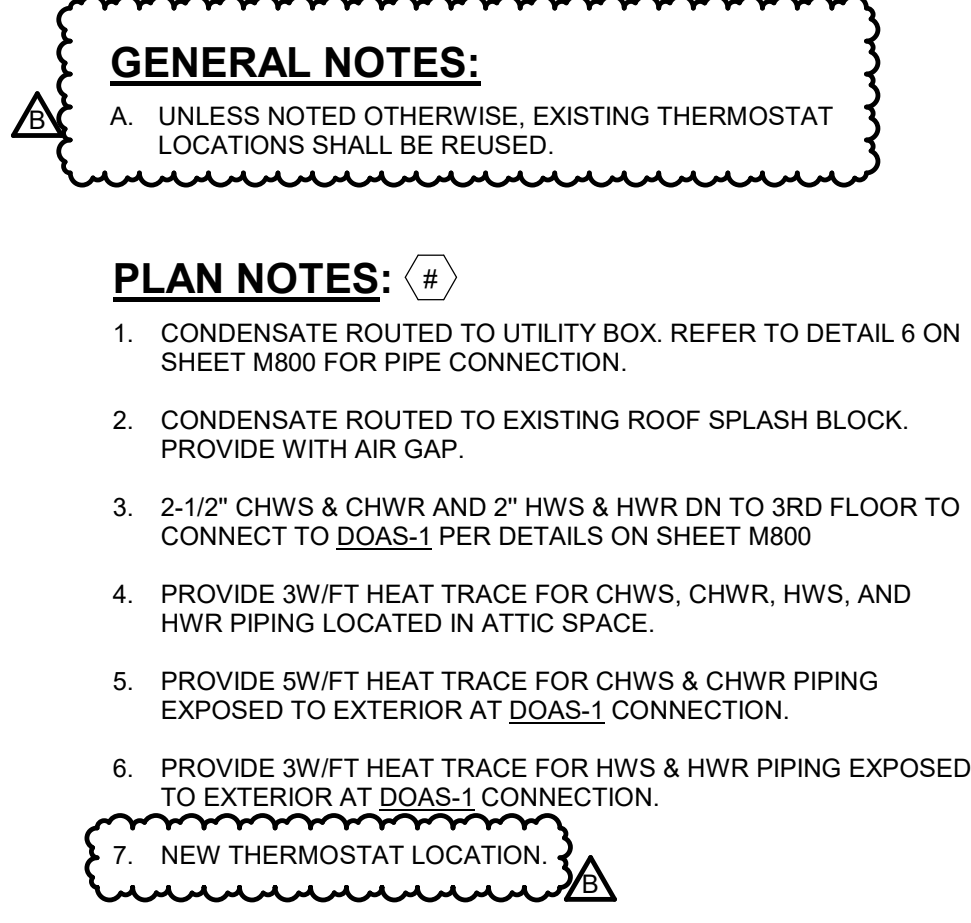
A. UNLESS NOTED OTHERWISE, EXISTING THERMOSTAT LOCATIONS SHALL BE REUSED.

PLAN NOTES: #

- CONDENSATE ROUTED TO UTILITY BOX. REFER TO DETAIL 6 ON SHEET M800 FOR PIPE CONNECTION.
- CONNECT HOT WATER AND CHILLED WATER COMING UP FROM FLOOR BELOW TO AHU PER DETAIL 1 ON SHEET M800.
- CONNECT HOT WATER AND CHILLED WATER TO AHU PER DETAIL 3 ON SHEET M800.
- RETURN-PATH MOUNTED TEMPERATURE SENSOR: TIE INTO MASTER THERMOSTAT FOR SETPOINT CONTROL.
- MASTER THERMOSTAT (AVERAGING BETWEEN 4 UNITS IN COURTROOM 359).
- ALL EXISTING PIPING TO BE SEALED ACCORDING TO U.L. LISTED STANDARDS.
- NEW THERMOSTAT LOCATION.



1 MECHANICAL 3RD FLOOR PIPING PLAN
M303 3/16" = 1'-0"



2 S. CONGRESS ST,
YORK, SC 29745

DEVITA Project No.		24501-01
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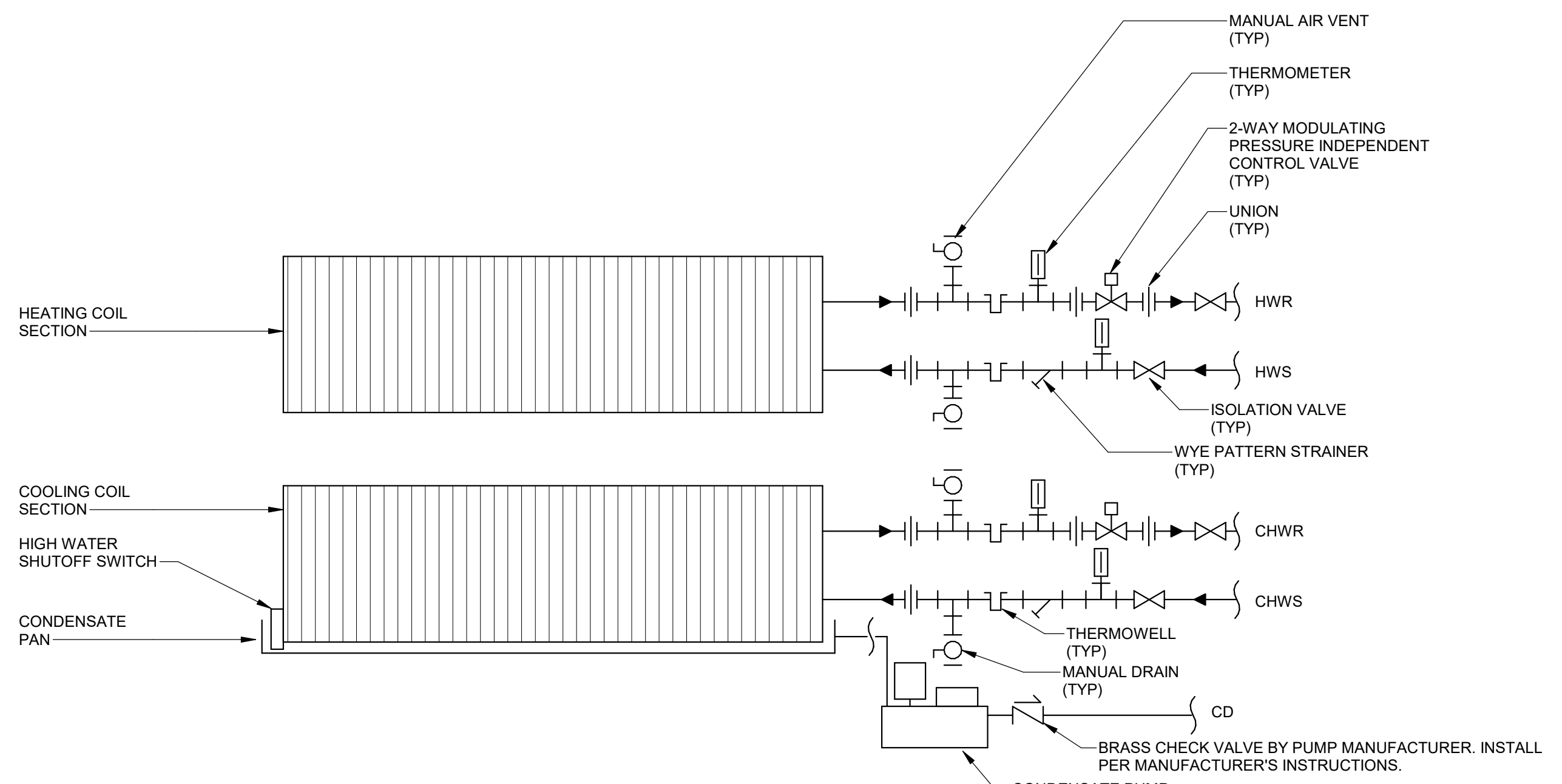
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DRAWING NAME
**MECHANICAL 4TH
FLOOR PIPING PLAN**

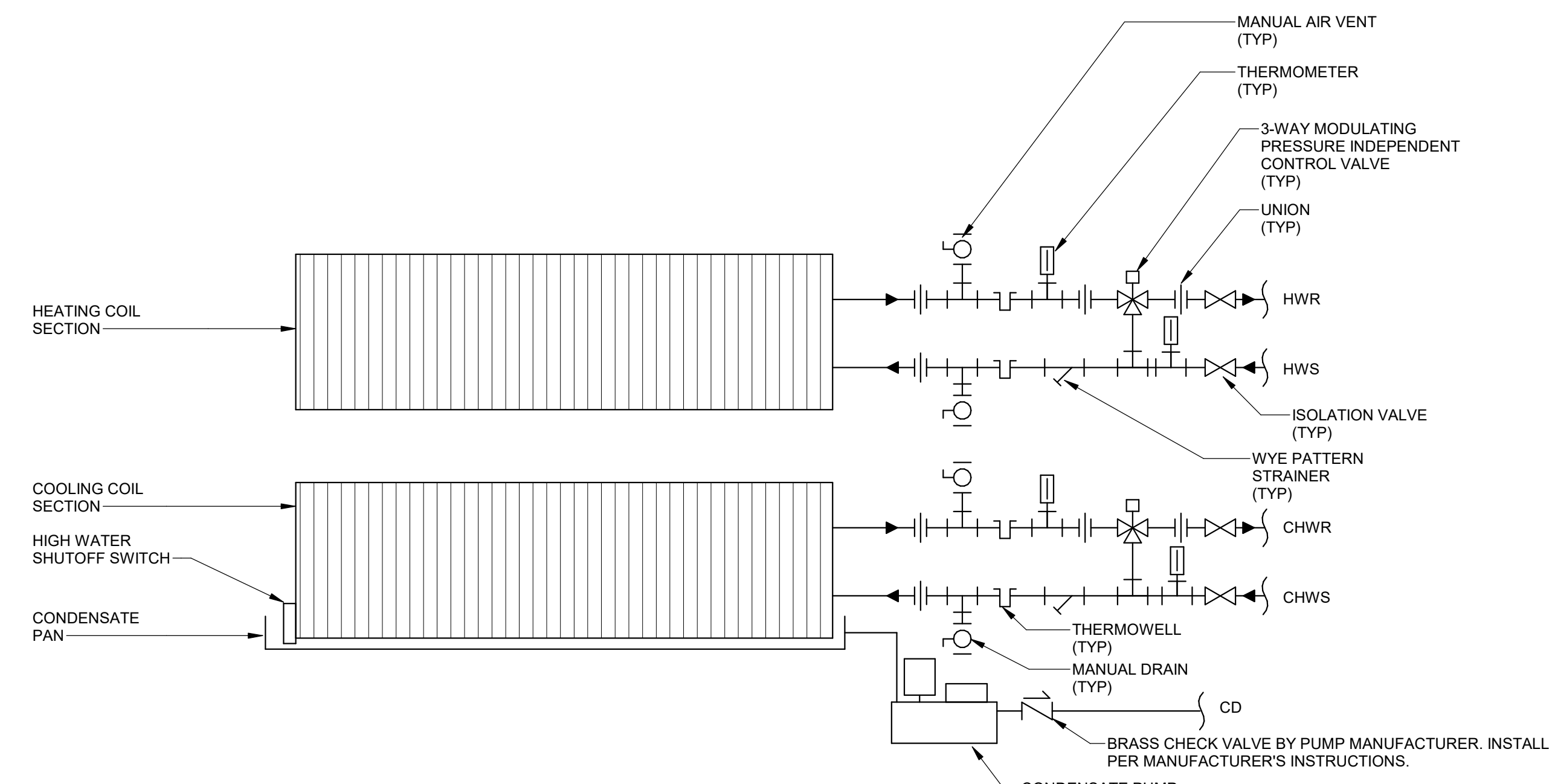
DRAWING NO.

M304

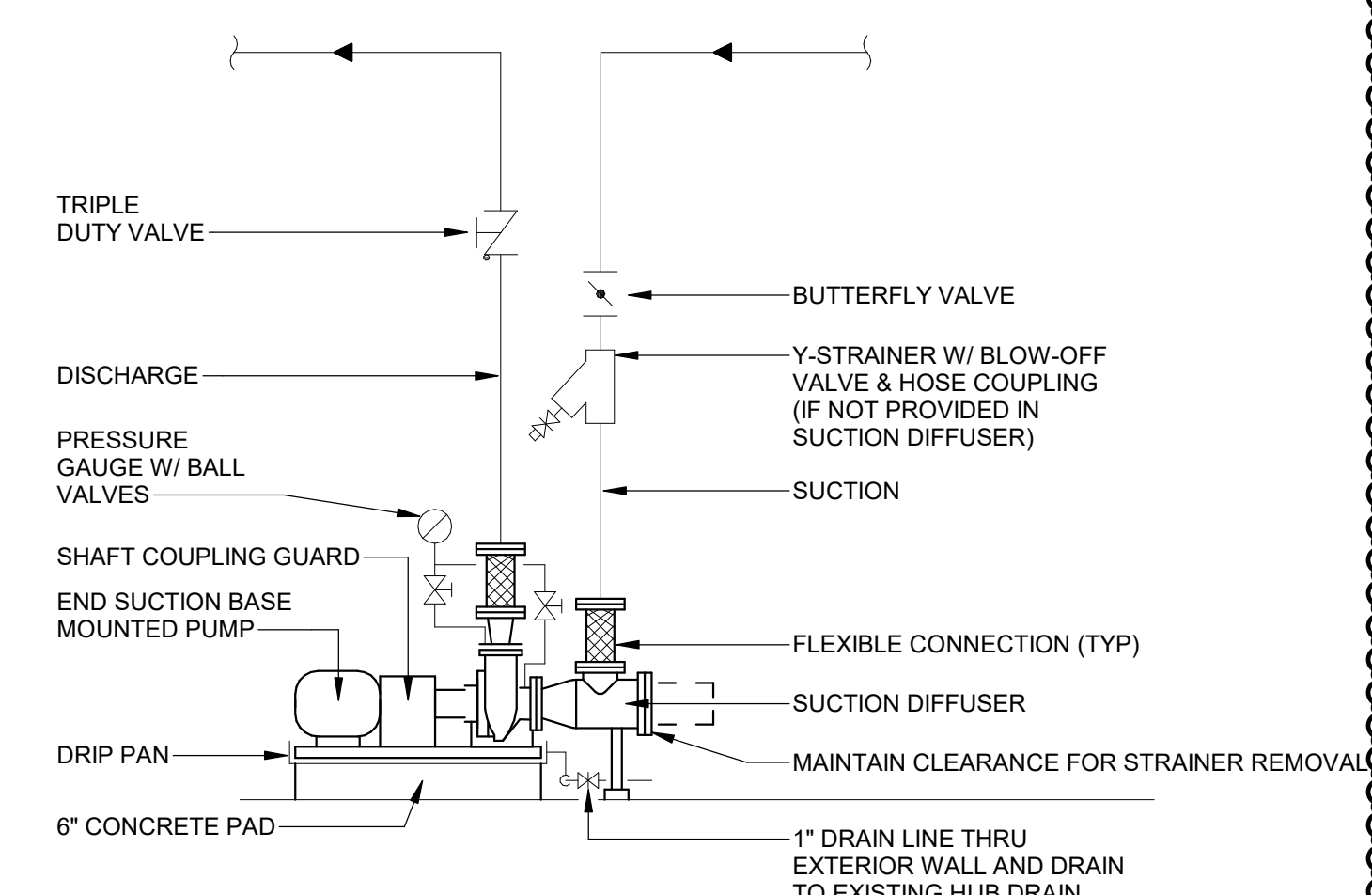
Drawn By: WJS Checked By: MAR



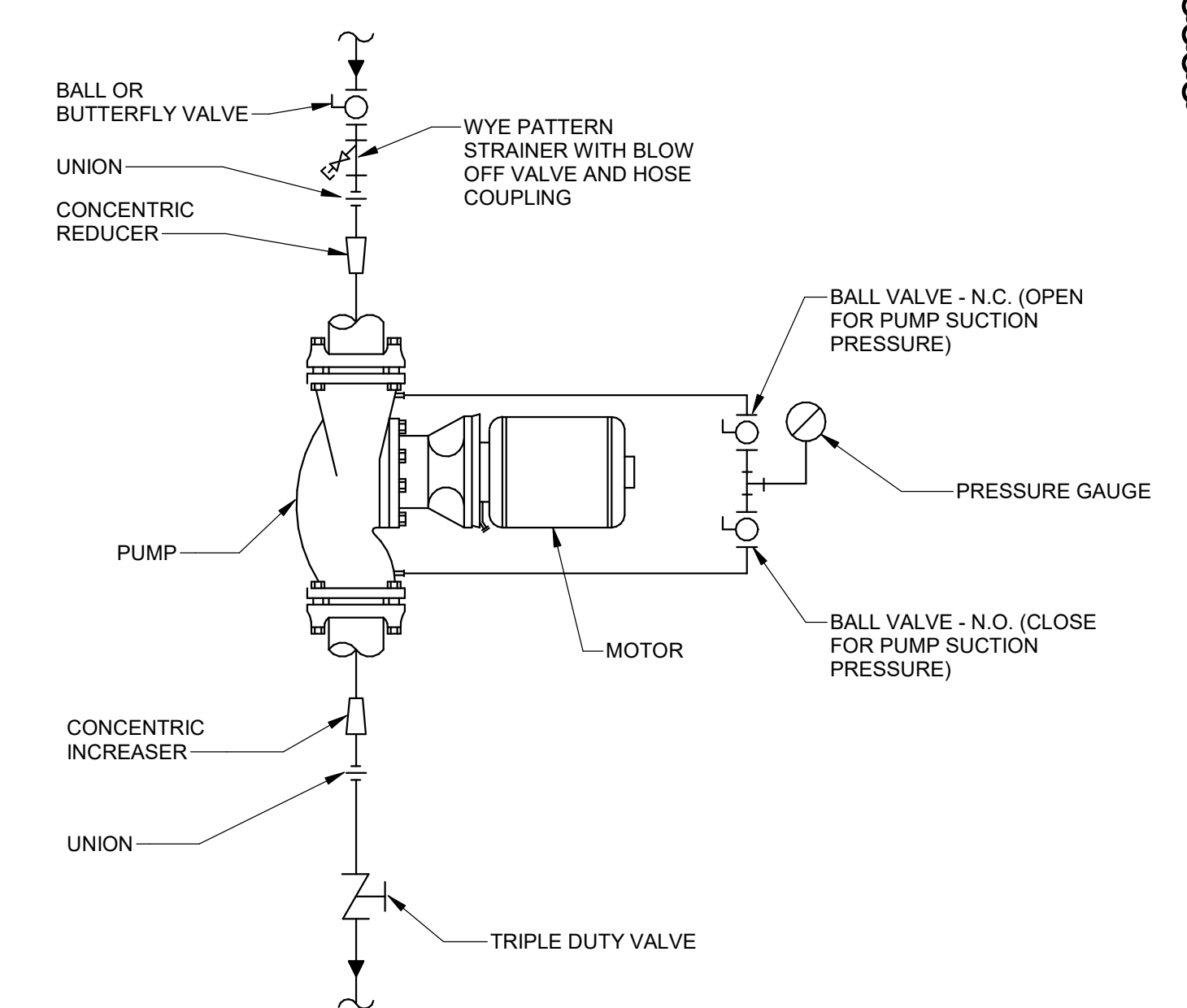
1 2-WAY CONTROL VALVES COIL PIPING DETAIL
M800 NOT TO SCALE



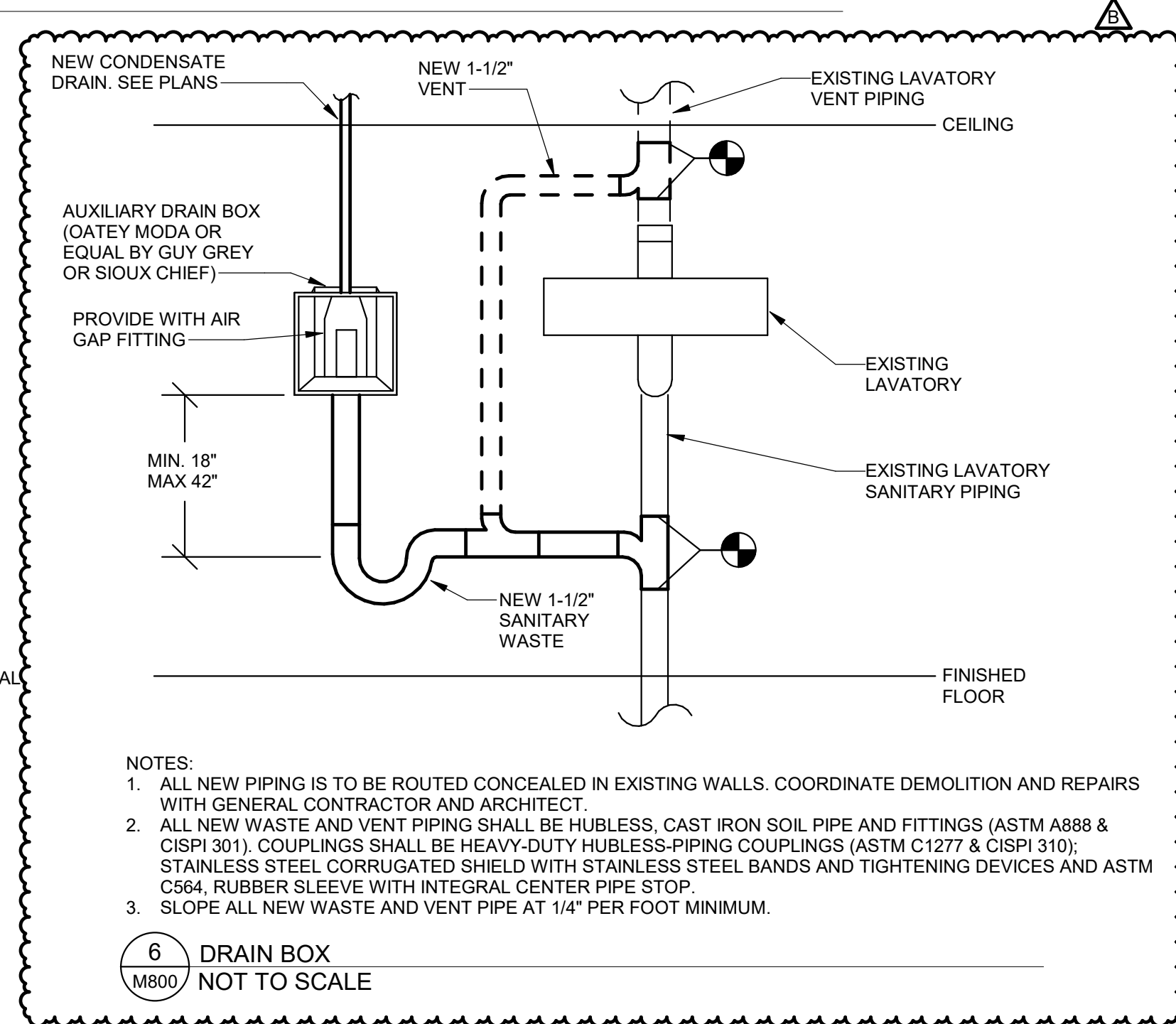
3 3-WAY CONTROL VALVES COIL PIPING DETAIL
M800 NOT TO SCALE



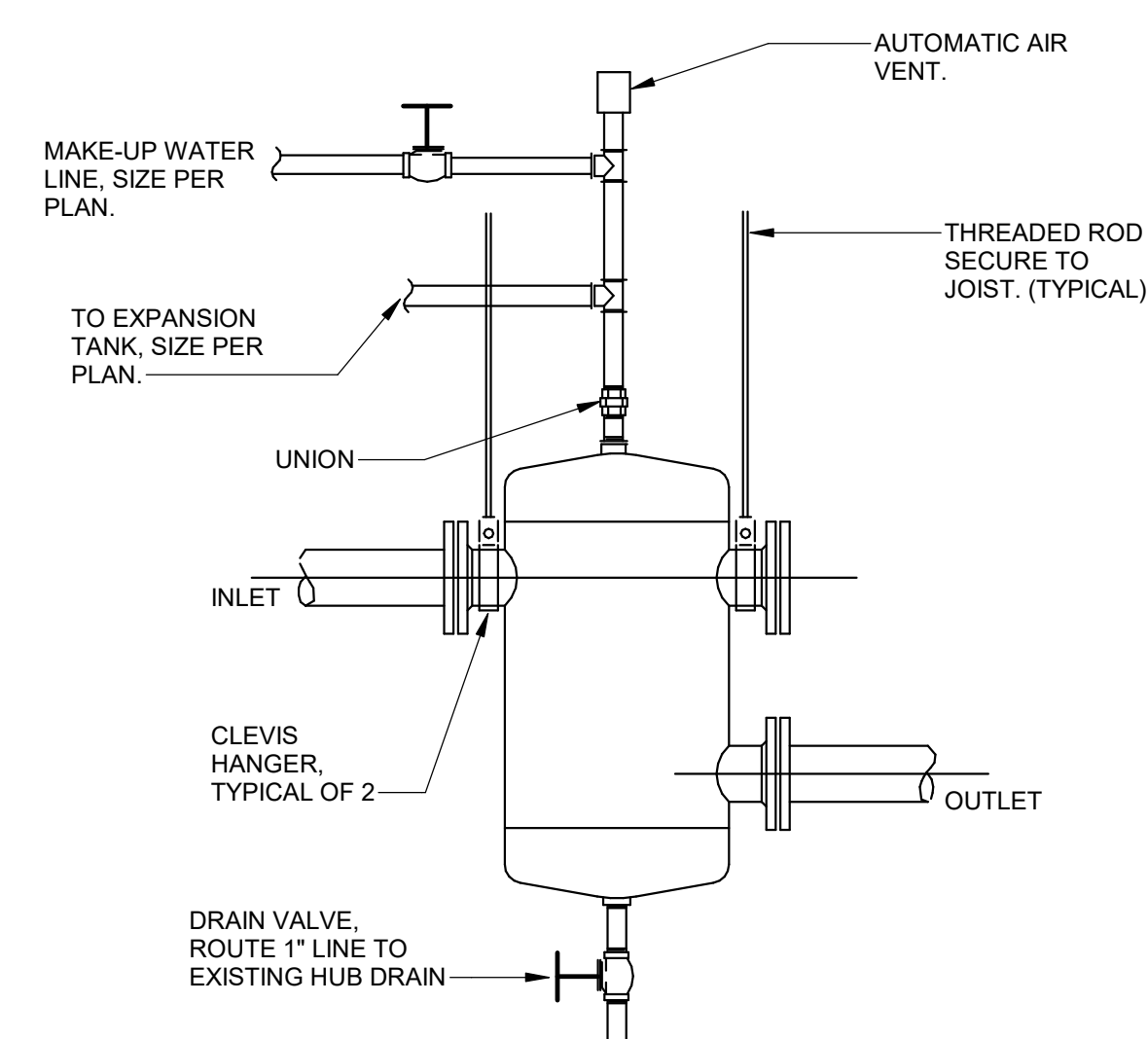
5 END-SUCTION PUMP
M800 NOT TO SCALE



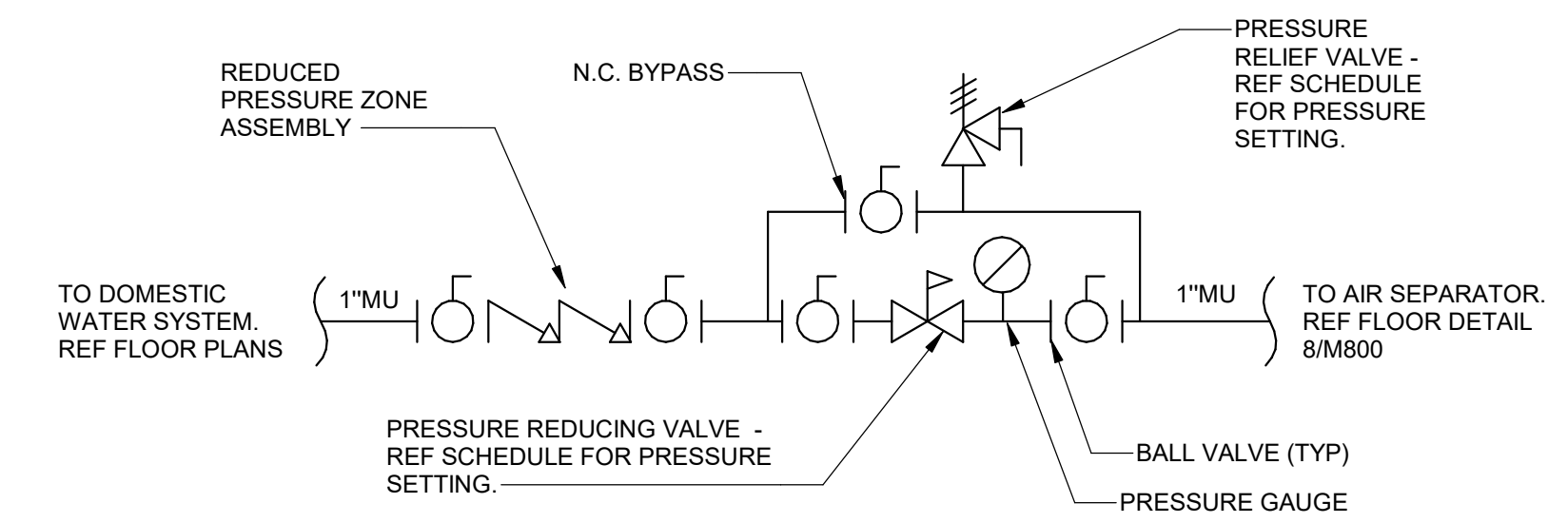
7 IN-LINE CENTRIFUGAL PUMP
M800 NOT TO SCALE



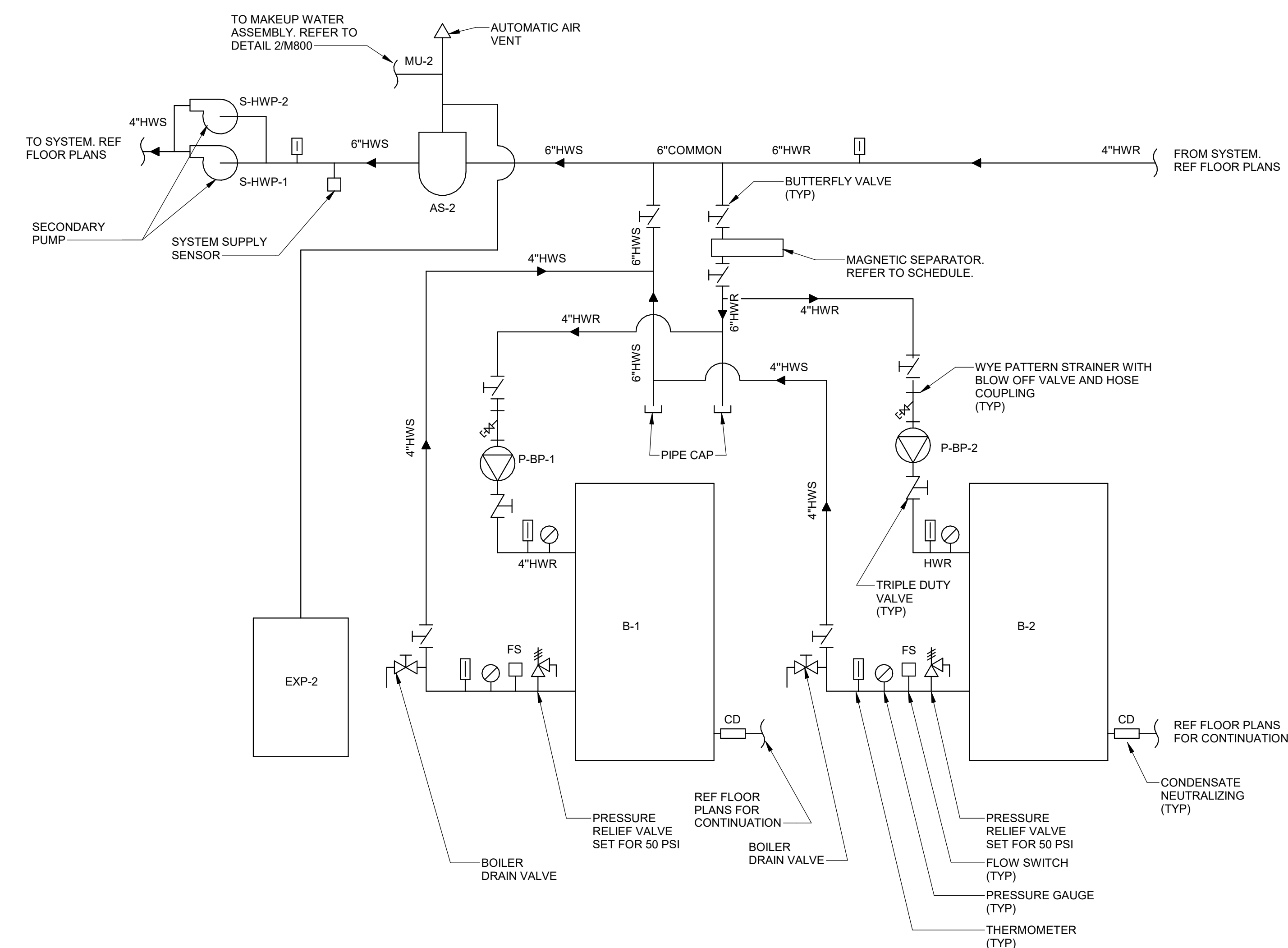
6 DRAIN BOX
M800 NOT TO SCALE



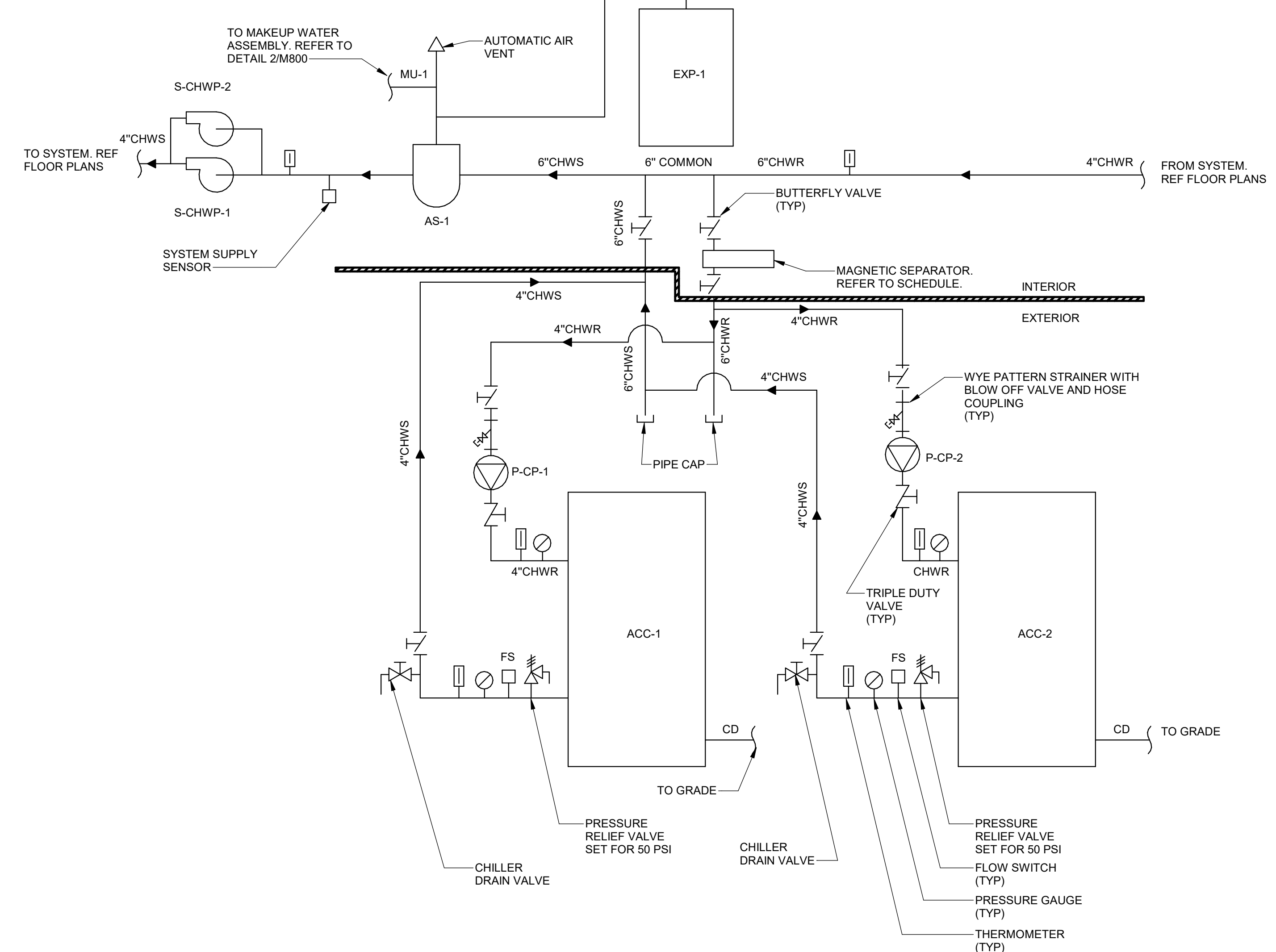
8 AIR / DIRT SEPARATOR
M800 NOT TO SCALE



2 MAKEUP WATER ASSEMBLY
M800 NOT TO SCALE



4 BOILER PIPING SCHEMATIC
M800 NOT TO SCALE



9 CHILLER PIPING SCHEMATIC
M800 NOT TO SCALE

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YORK COUNTY HISTORICAL COURTHOUSE HVAC REPLACEMENT

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DRAWING NAME
MECHANICAL DETAILS

DRAWING NO.

M800

Drawn By: WJS Checked By: MAR



**YORK COUNTY
HISTORICAL
COURTHOUSE
HVAC
REPLACEMENT**

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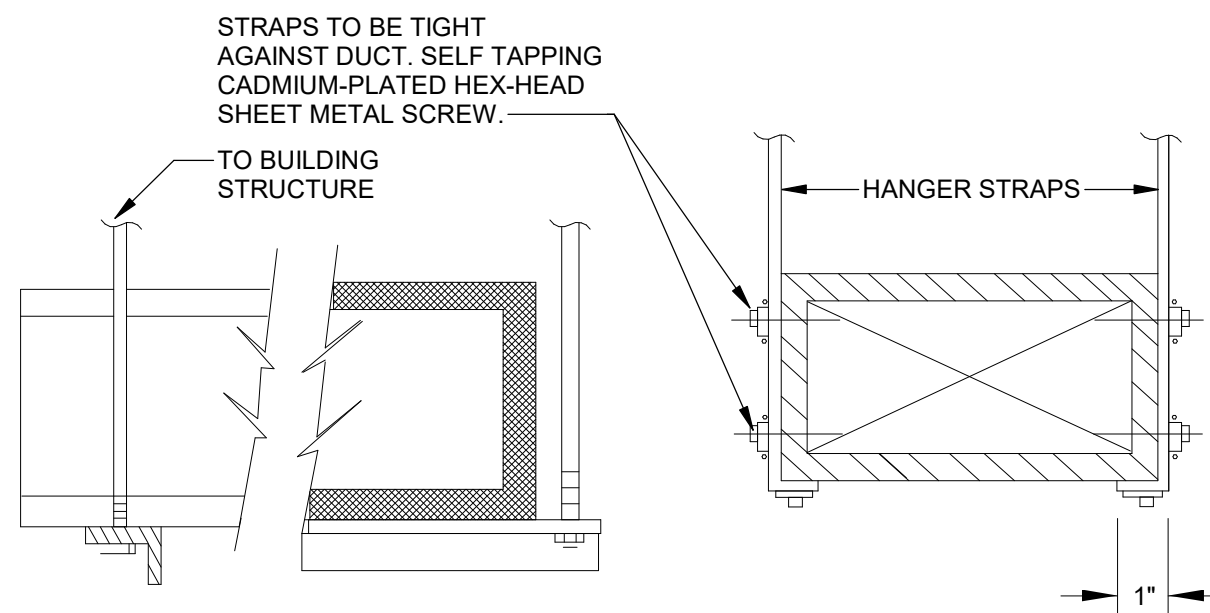
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DRAWING NAME
MECHANICAL DETAILS

DRAWING NO.

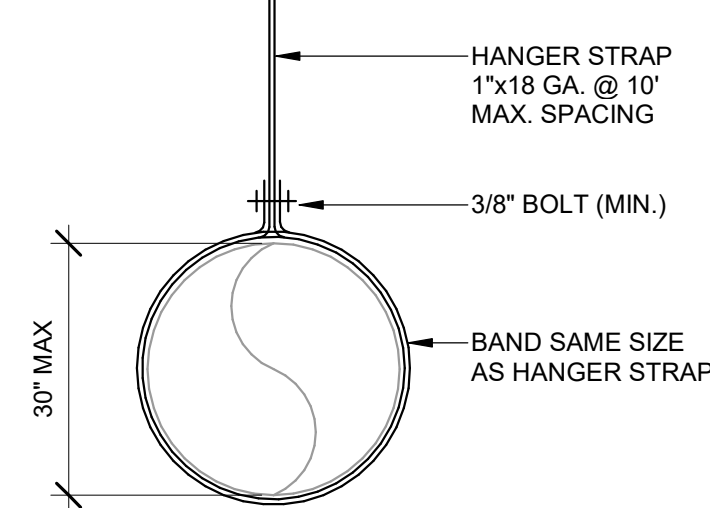
M801

Drawn By: WJS Checked By: MAR

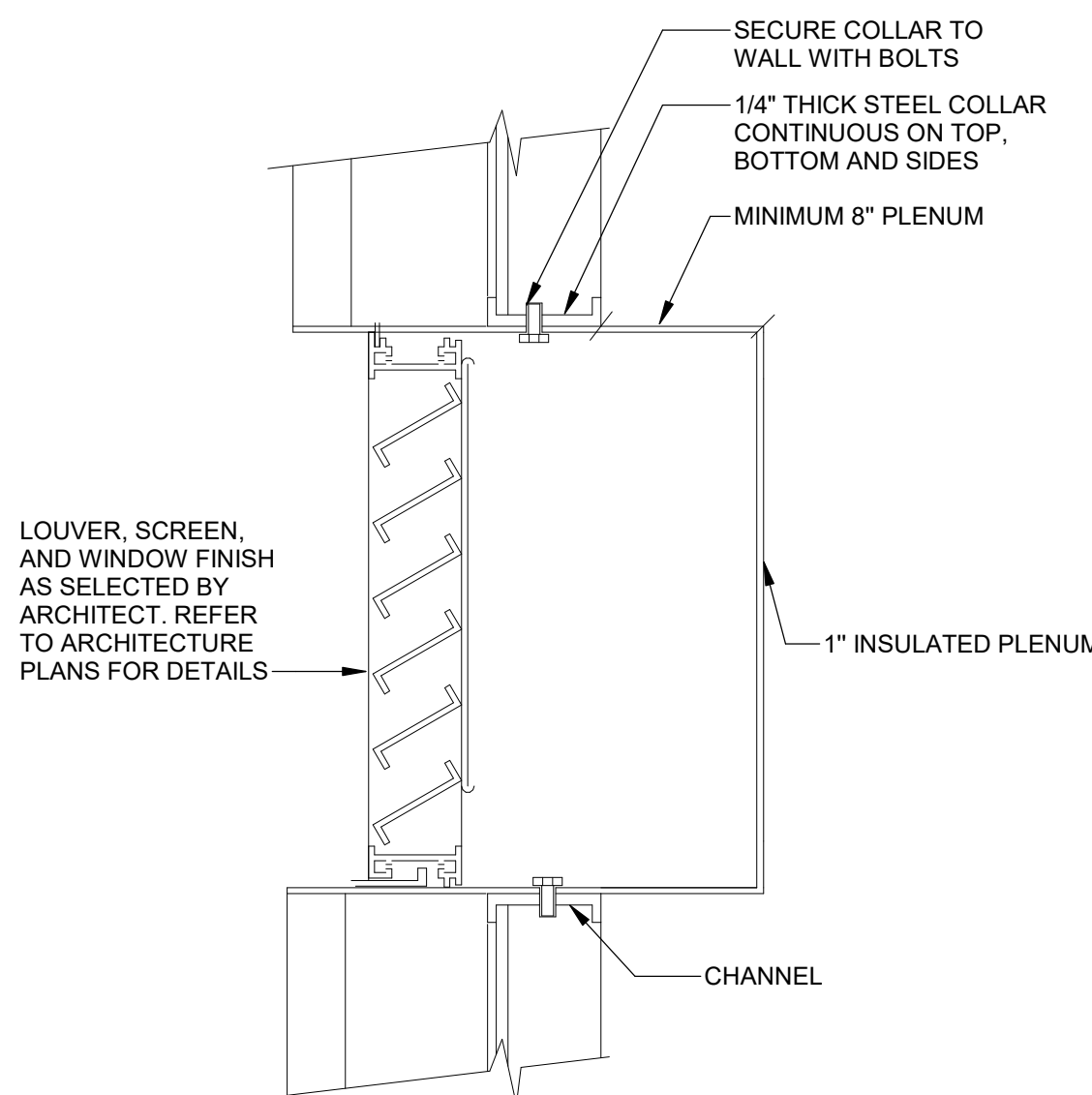


HANGER SIZES FOR RECTANGULAR DUCTS			
MAX. SIDE	HANGER	SUPPORT ANGLE HORIZONTAL	SPACING MAXIMUM
30"	1"x18" GAUGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1-1/2" x 1-1/2" x 1/8"	8'-0"
48"	1/4" ROUND ROD	2" x 2" x 1/8"	8'-0"
60"	5/16" ROUND ROD	2" x 2" x 1/8"	8'-0"
84"	3/8" ROUND ROD	2" x 2" x 1/8"	8'-0"

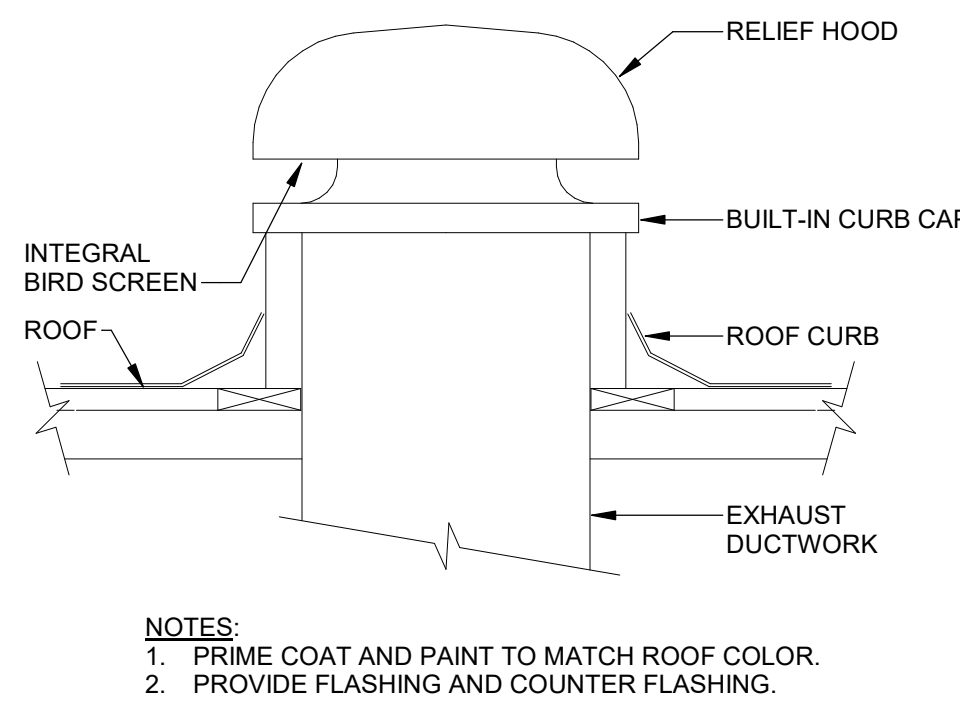
1 DUCT HANGER SIZING - RECTANGULAR DUCT
NOT TO SCALE



2 DUCT HANGER SIZING - ROUND DUCT
NOT TO SCALE

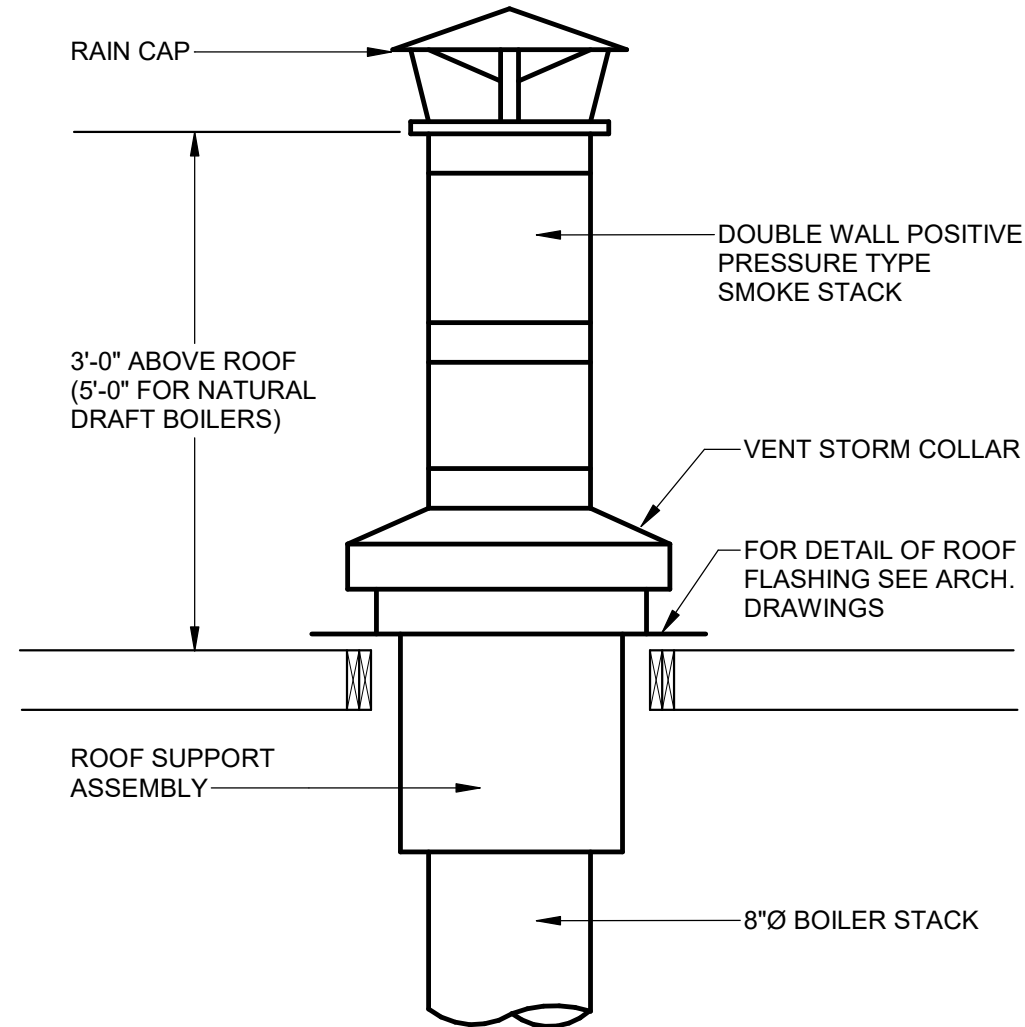


3 OUTSIDE AIR LOUVER
NOT TO SCALE

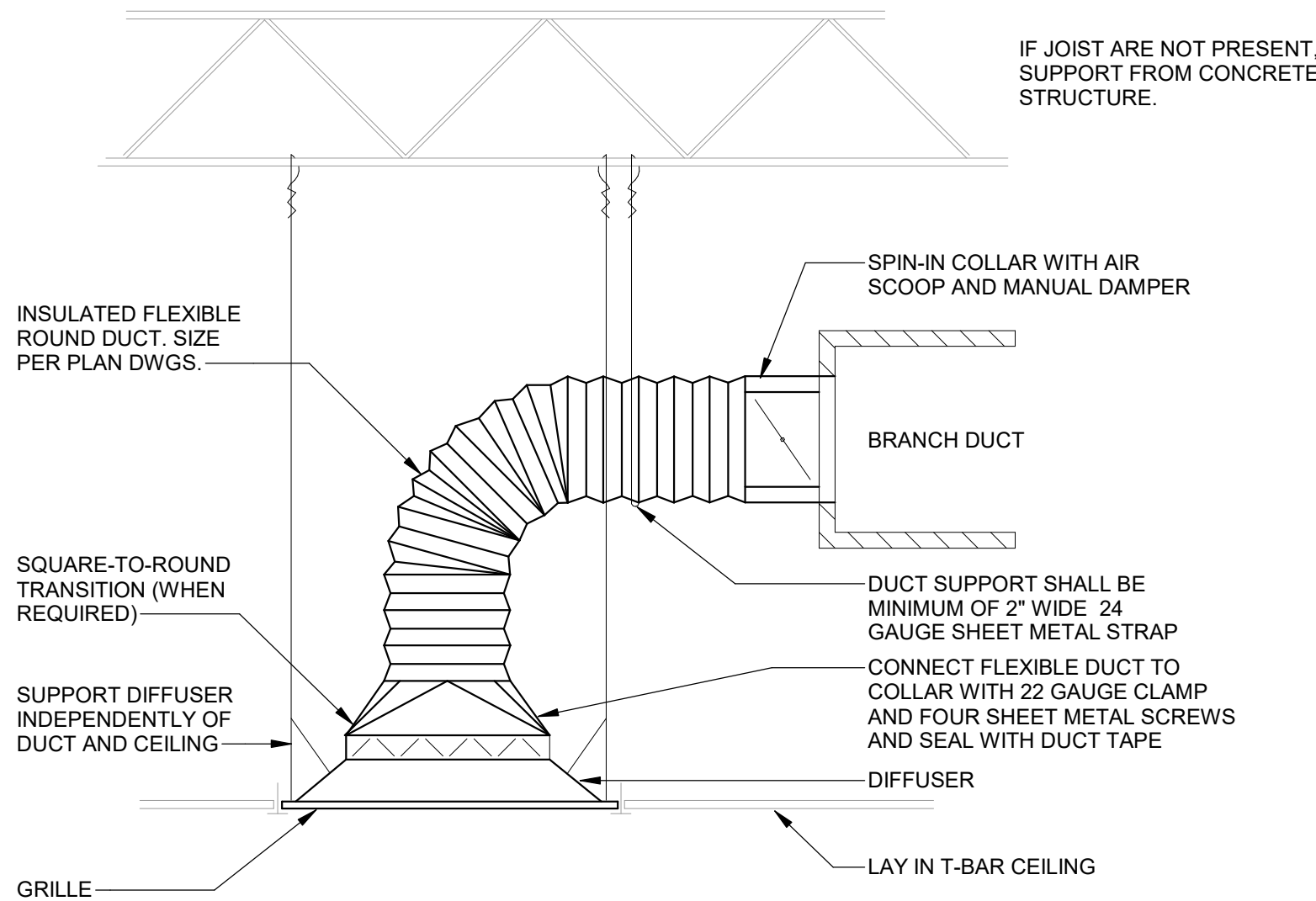


NOTES:
1. PRIME COAT AND PAINT TO MATCH ROOF COLOR.
2. PROVIDE FLASHING AND COUNTER FLASHING.

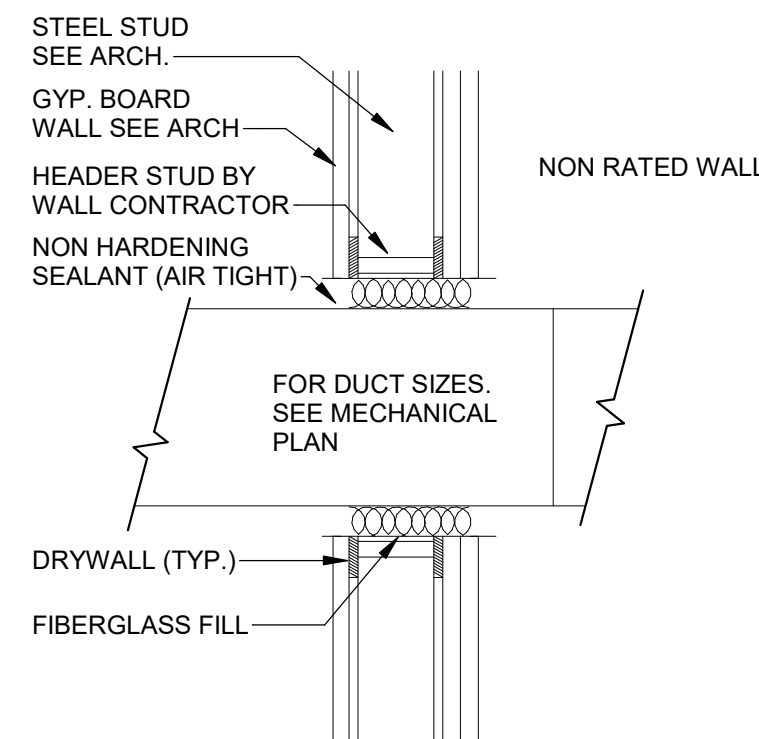
4 GRAVITY RELIEF HOOD DETAIL
NOT TO SCALE



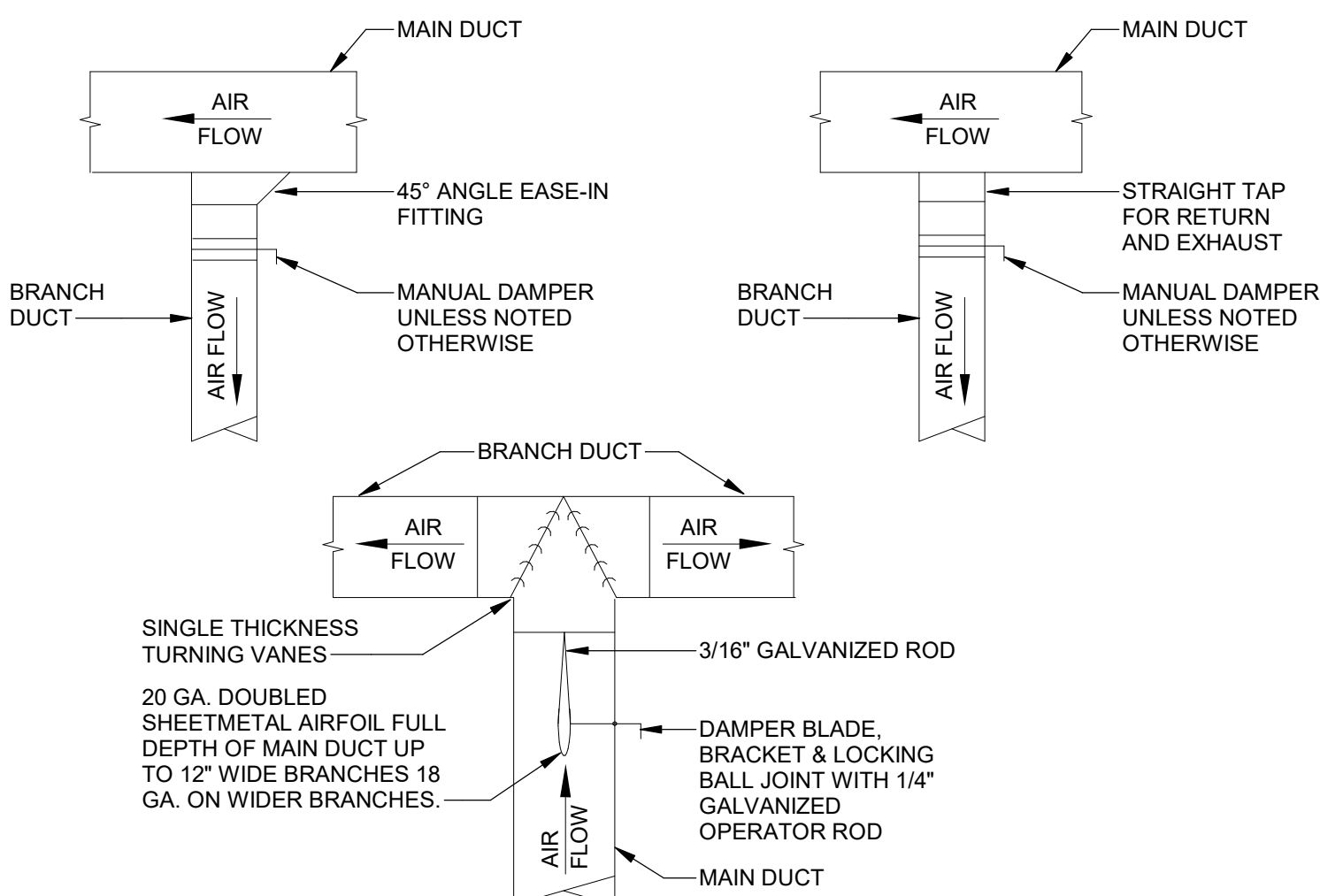
5 BOILER STACK
NOT TO SCALE



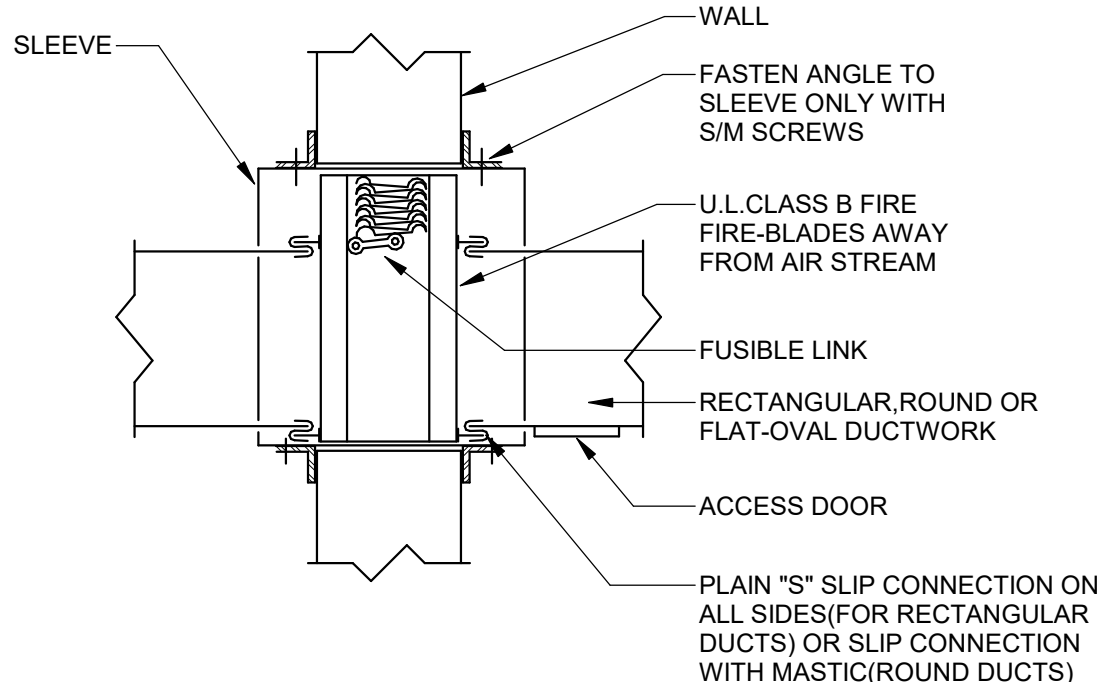
6 SUPPLY DIFFUSER INSTALLATION (FLEX DUCT)
NOT TO SCALE



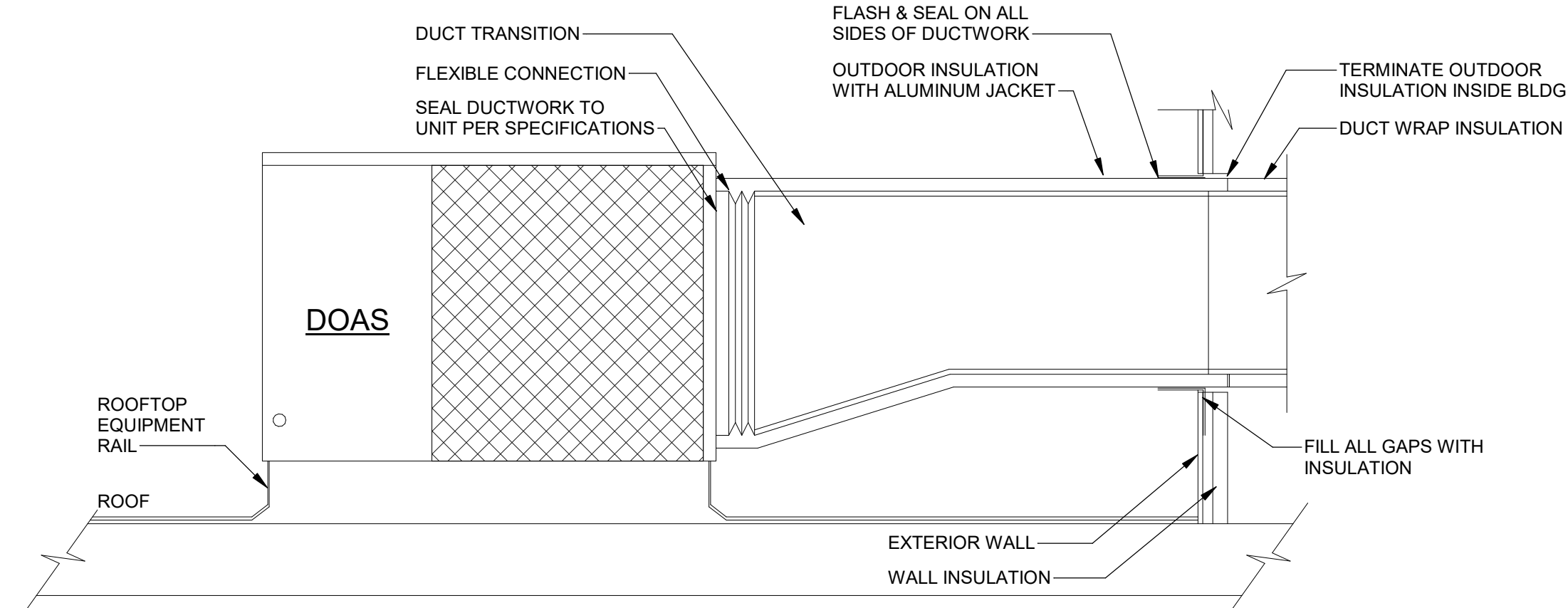
7 DUCT PENETRATION OF WALL
NOT TO SCALE



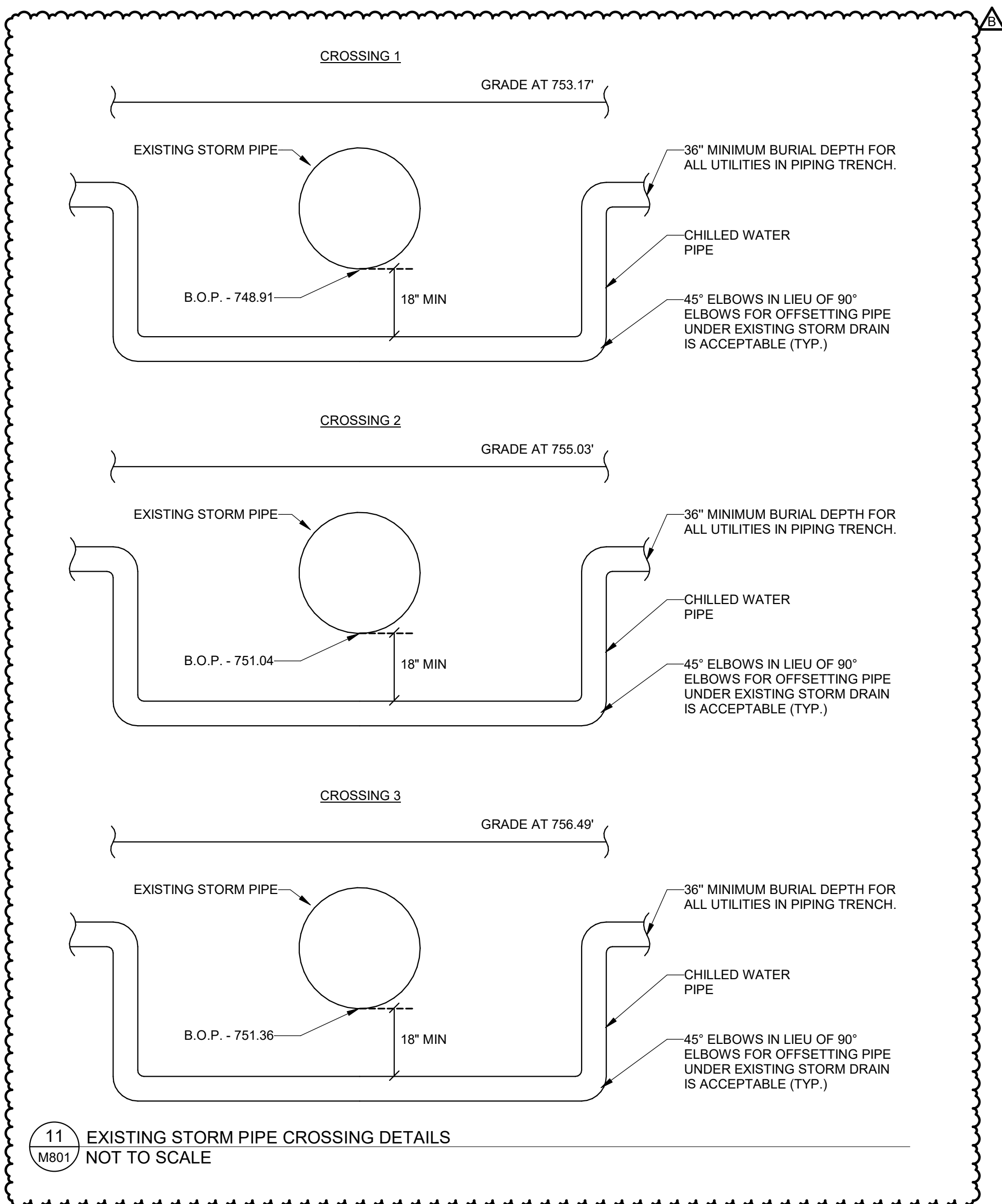
8 TYPICAL RECTANGULAR LOW-PRESSURE BRANCH TAKE-OFFS
NOT TO SCALE



9 FIRE DAMPER DETAIL
NOT TO SCALE



10 DOAS UNIT - HORIZONTAL DUCT
NOT TO SCALE



11 EXISTING STORM PIPE CROSSING DETAILS
NOT TO SCALE



APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Name of Project: YORK COUNTY COURT HOUSE
Address: 2 S CONGRESS STREET YORK, SC
Proposed Use: COURT HOUSE
Owner or Authorized Agent: _____ Phone # _____ E-Mail: _____
Owned By: ☒ City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ State

LEAD DESIGN PROFESSIONAL: JIM STEWART 1666 (704) 865-6311
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL
Architectural: Stewart, Cooper, Newell Architects James Stewart 1666 (704) 865-6311 jstewart@scn-architects.com
Civil: Joel E. Wood & Assoc. Andrew Wood 5762 (803) 684-3390 amwood@comparium.com
Electrical: Optima Engineering Greg Wiley 26374 (704) 338-1292 gwiley@optimaengineering.com
Fire Alarm: Optima Engineering George Fowler 26023 (704) 338-1292 gfowler@optimaengineering.com
Plumbing: Optima Engineering Clint Dover 27761 (704) 338-1292 cdover@optimaengineering.com
Mechanical: Optima Engineering George Fowler 26023 (704) 338-1292 gfowler@optimaengineering.com
Sprinkler-Standpipe: Optima Engineering George Fowler 26023 (704) 338-1292 gfowler@optimaengineering.com
Structural: Taylor & Viola Engineering Kirk Viola 12825 (828) 328-6331 kviola@taylorviola.com
Retaining Walls >5' High: _____
Other: _____

2012 EDITION OF IBC CODE FOR: ☐ New Construction ☐ Addition ☐ Upfit
EXISTING: ☐ Reconstruction ☒ Alteration ☐ Repair ☐ Renovation
Constructed: XX Original Use (chap.3) BUSINESS/ASSEMBLY
Renovated: XX Current Use (chap.3) BUSINESS/ASSEMBLY
Proposed Use (chap.3) BUSINESS/ASSEMBLY

BASIC BUILDING DATA ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
Construction Type: ☐ I-B ☒ II-B ☐ III-B ☐ V-B
(check all that apply) Mixed construction: ☒ No ☐ Yes Types: _____
Sprinklers: ☐ No ☐ Partial ☒ Yes NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes (Primary) Flood Hazard Area: ☒ No ☐ Yes
Building Height: 55 Feet
Gross Building Area: FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL

1st Floor	10590 S.F.
2nd Floor	10150 S.F.
3rd Floor	10130 S.F.
4th Floor	10590 S.F.
TOTAL	41,460 S.F.

ALLOWABLE AREA
Occupancy: Assembly ☐ A-1 ☐ A-2 ☒ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair
Utility and Miscellaneous ☐

Accessory Occupancies:
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☒
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair
Utility and Miscellaneous ☐

Incidental Uses (Table 508.2.5):
☐ Furnace room where any piece of equipment is over 400,000 Btu per hour input
☐ Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
☐ Refrigerant machine room
☐ Hydrogen cutoff rooms, not classified as Group H
☐ Incinerator rooms
☐ Paint shops, not classified as Group H, located in occupancies other than Group F
☐ Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
☐ Laundry rooms over 100 square feet
☐ Group I-3 cells equipped with padded surfaces
☐ Group I-2 waste and linen collection rooms
☐ Waste and linen collection rooms over 100 square feet
☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
☐ Rooms containing fire pumps
☐ Group I-2 storage rooms over 100 square feet
☐ Group I-2 commercial kitchens
☐ Group I-2 laundries equal to or less than 100 square feet
☐ Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412
☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424
☐ 425 ☐ 426 ☐ 427
Special Provisions: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8

Mixed Occupancy: ☐ No ☒ Yes Separation: N/A Hr. Exception: N/A
Incidental Use Separation (508.2.5)

This separation is not exempt as a Non-Separated Use (see exceptions).

Non-Separated Mixed Occupancy (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Mixed Occupancy (508.4) - See below for area calculations
For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Actual Area of Occupancy A + Actual Area of Occupancy B ≤ 1
Allowable Area of Occupancy A Allowable Area of Occupancy B
N/A + N/A = N/A ≤ 1.00
N/A + N/A = N/A ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 503 AREA	(C) AREA FOR OPEN SPACE INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA OR UNLIMITED	(F) MAXIMUM BUILDING AREA
FIRST	ASSEMBLY (A-3)	1,113	9,500	5,795	19,000	34,295	137,180
FIRST	BUSINESS (B)	8,217	23,000	14,030	46,000	83,030	
SECOND	ASSEMBLY (A-3)	1,135	9,500	5,795	19,000	34,295	
SECOND	BUSINESS (B)	8,208	23,000	14,030	46,000	83,030	
THIRD	ASSEMBLY (A-3)	3,045	9,500	5,795	19,000	34,295	
THIRD	BUSINESS (B)	6,392	23,000	14,030	46,000	83,030	
FOURTH	BUSINESS (B)	1,357	23,000	14,030	46,000	83,030	
FOURTH	STORAGE/MECH.	1,268	26,000	15,860	52,000	93,860	

- Frontage area increases from Section 506.2 are computed thus:
 - Perimeter which fronts a public way or open space having 20 feet minimum width = 510' (F)
 - Total Building Perimeter = 593' (P)
 - Ratio (F/P) = .86 (F/P)
 - W=Minimum width of public way = >30' (W)
 - Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 = .61$ (%)
- The sprinkler increase per Section 506.3 is as follows:
 - Multi-story building $I_s = 200$ percent
 - Single story building $I_s = 300$ percent
- Unlimited area applicable under conditions of Sections 507.
- Maximum Building Area = total number of stories in the building $\times$ E (506.4)
- The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers must comply with 412.1.2.

ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type II-B	Type II-B	
Building Height in Feet	Feet 55'	Feet = H + 20' = 75'	55'
Building Height in Stories	Stories 2	Stories + 1 = 3	Stories 4
* 3401.1-EXISTING BUILDING IS 4 STORIES PRIOR TO ALTERATION			

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	PROVIDED (W/REDUCTION)	DETAIL # AND SHEET	DETAIL # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural frame, including columns, girders, trusses		0	0				
Bearing walls							
Exterior							
North	>30'	0	0				
East	>30'	0	0				
West	>30'	0	0				
South	>30'	0	0				
Interior							
Nonbearing walls and partitions							
Exterior							
North	>30'	0	0				
East	>30'	0	0				
West	>30'	0	0				
South	>30'	0	0				
Interior walls and partitions							
Floor construction including supporting beams and joists		0	0				
Roof construction including supporting beams and joists		0	0				
Shafts - Exit		N/A	N/A				
Shafts - Other		1	N/A		U497		
Corridor Separation		0	0				
Occupancy Separation		N/A	N/A				
Party/Fire Wall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Tenant Separation		N/A	N/A				
Incidental Use Separation		N/A	N/A				
Sleep Unit Separation		N/A	N/A				

LIFE SAFETY SYSTEM REQUIREMENTS			
Emergency Lighting:	☐ No ☒ Yes		
Exit Signs:	☐ No ☒ Yes		
Fire Alarm:	☐ No ☒ Yes		
Smoke Detection Systems:	☐ No ☒ Yes		
Panic Hardware:	☐ No ☒ Yes		

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet#: 1.10, 1.11, 1.12, 1.13
☒ Fire and/or smoke rated wall locations (Chapter 7)
☒ Assumed and real property line locations (Also see site plan)
☒ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Existing structures within 30' of the proposed building
☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
☒ Occupant loads for each area
☒ Exit access travel distances (1016)
☒ Common path of travel distances (1014.3 & 1028.8)
☒ Dead end lengths (1018.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
☒ Actual occupant load for each exit door
☒ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
☒ Location of doors with panic hardware (1008.1.10)
☒ Location of doors with electromagnetic egress locks (1008.1.9.8)
☒ Locations of doors with hold-open devices
☒ Location of emergency escape windows (1029)
☒ The square footage of each fire area (902)
☒ The square footage of each smoke compartment (407.4)
☒ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)						
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED
N/A	-	-	-	-	-	-

ACCESSIBLE PARKING (SECTION 1106)						
LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE PARKING SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
TOTAL						

SEE CIVIL DRAWINGS

EXIT REQUIREMENTS NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM, OR SPACE DESIGNATION	MINIMUM ² NUMBER OF EXITS REQUIRED		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS ^{1,3} (SECTION 1004.1)	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1004.2.4)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
1ST FLOOR ASSEMBLY	X	X	250'	157'	55'	88'
1ST FLOOR BUSINESS	X	X	300'	220'	55'	88'
2ND FLOOR ASSEMBLY	X	X	250'	136'	55'	123'
2ND FLOOR BUSINESS	X	X	300'	168'	55'	123'
3RD FLOOR ASSEMBLY	X	X	250'	157'	55'	119'
3RD FLOOR BUSINESS	X	X	220'	220'	55'	119'
4TH FLOOR STOR./MECH.	1	2	400'	218'	-	-
4TH FLOOR BUSINESS	1	1	300'	119'	-	-

- ¹Corridor dead ends (Section 1017.3)
²Buildings with single exits (Table 1019.2). Spaces with one means of egress (Table 1015.1)
³Common Path of Travel (Section 1014.3)

EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION	(a) AREA ¹ sq. ft.	(b) AREA ¹ PER OCCUPANT (TABLE 1004.1.1)	EGRESS WIDTH PER OCCUPANT (TABLE 1005.1)		EXIT WIDTH (in.) ^{2,3,4,5,6} REQUIRED WIDTH (SECTION 1005.1) (a/b) x c		ACTUAL WIDTH SHOWN ON PLANS	
			STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
1st FL ASSEMBLY	1113	15	0.3	0.2	23	15	N/A	128"
1st FL BUSINESS	8217	100	0.3	0.2	23	17	N/A	128"
2nd FL ASSEMBLY	1135	15	0.3	0.2	23	16	156"	132"
2nd FL BUSINESS	8208	100	0.3	0.2	25	17	156"	132"
3rd FL ASSEMBLY	1700/1348	7/15	0.3	0.2	100	67	104"	132"
3rd FL BUSINESS	6392	100	0.3	0.2	20	13	104"	132"
4th FL ASSEMBLY	1357	100	0.3	0.2	5	3	54"	60"
4th FL S-2	1268	300	0.3	0.2	2	1	24"	30"

- * 24" STAIR WIDTH IS EXISTING STAIR WIDTH (3404.1)
¹See Table 1004.1.1 to determine whether net or gross area is applicable.
²See definition "Area, Gross" and "Area, Net" (Section 1002)
³Minimum stairway width (Section 1009.1); min. corridor width (Section 1007.2); min. door width (Section 1008.1)
⁴Minimum width of exit passageway (Section 1021.2)
⁵See Section 1004.5 for converging exits.
⁶The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
⁶Assembly occupancies (Section 1025)

PLUMBING FIXTURE REQUIREMENTS

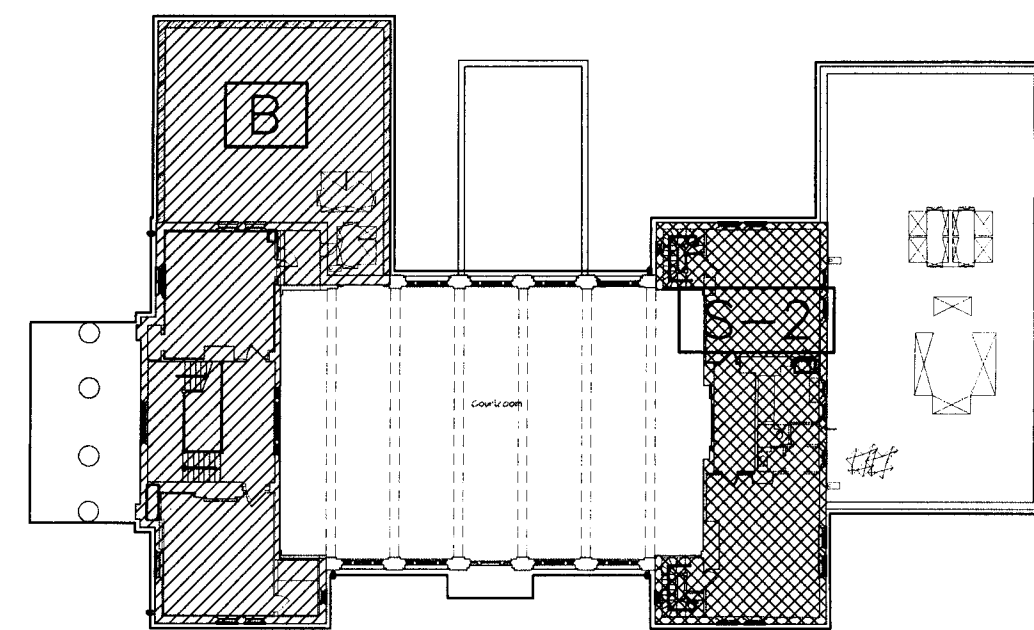
USE	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
EXISTING	0	0	0	0	0	0	0	0
NEW	3	2	0	3	2	4	1	1
REQUIRED	2	2	0	1	1	1	1	1

2012 EXCEL SPREADSHEET FOR PERFORMING MINIMUM FIXTURE COUNT CALCULATIONS FROM NCBC WEBSITE
 WAS USED FOR PLUMBING COUNT BASED ON THE FOLLOWING OCCUPANCY COUNT:
 BUSINESS: 27 PERSONS + RESIDENTIAL: 10 PERSONS + STORAGE: 16 PERSONS

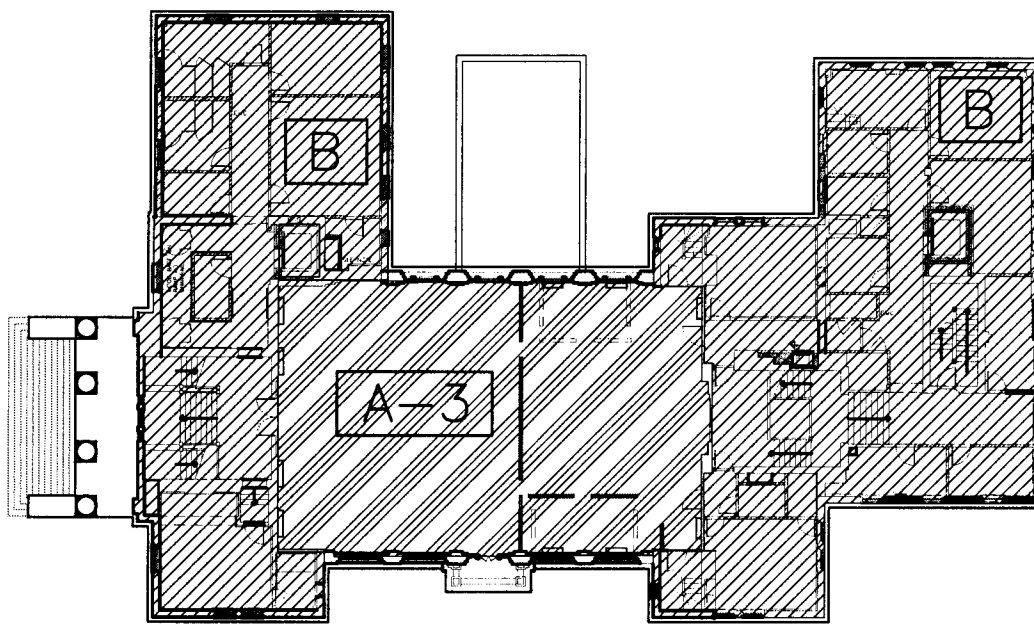
SCHEDULE OF SPECIAL INSPECTION SERVICES

- ☐ No special inspection required for this project ☒ Special inspection required
 The construction divisions which require special inspections for this project are as follows:

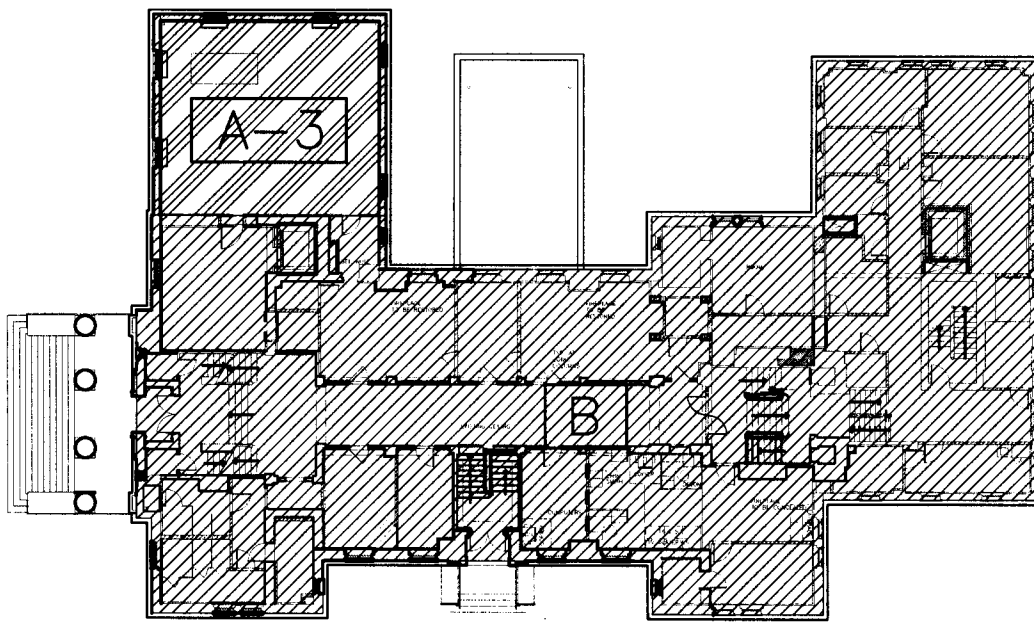
- ☒ Structural Steel
☒ Cold-Formed Steel Framing
☒ Cast-in-Place Concrete
☒ Masonry
☒ Wood Construction
☒ Soils
☐ Special Foundations (Piles or Piers)
☒ Wall Panels/Veneer
☒ Sprayed Fire Resistant Material
☐ Exterior Insulation & Finish System
☐ Smoke Control
☐ Seismic Requirements
☒ Fire Rated Penetrations



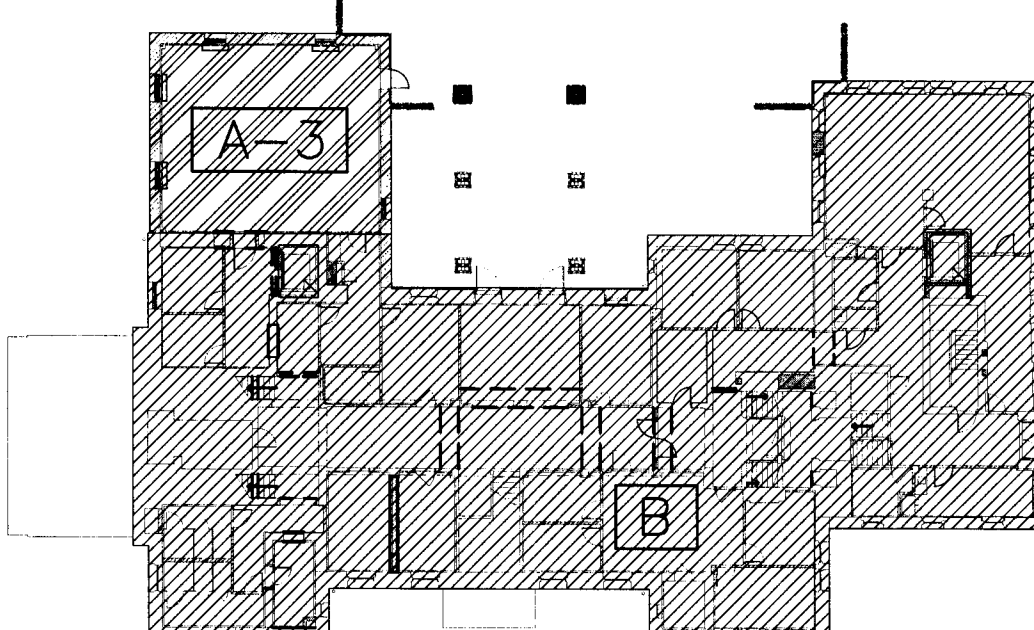
4 FOURTH FLOOR PLAN
N.T.S.



3 THIRD FLOOR PLAN
N.T.S.



2 SECOND FLOOR PLAN
N.T.S.



1 FIRST FLOOR PLAN
N.T.S.

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.
1390

Date
07.10.2015
Drawn
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JCS
Revisions

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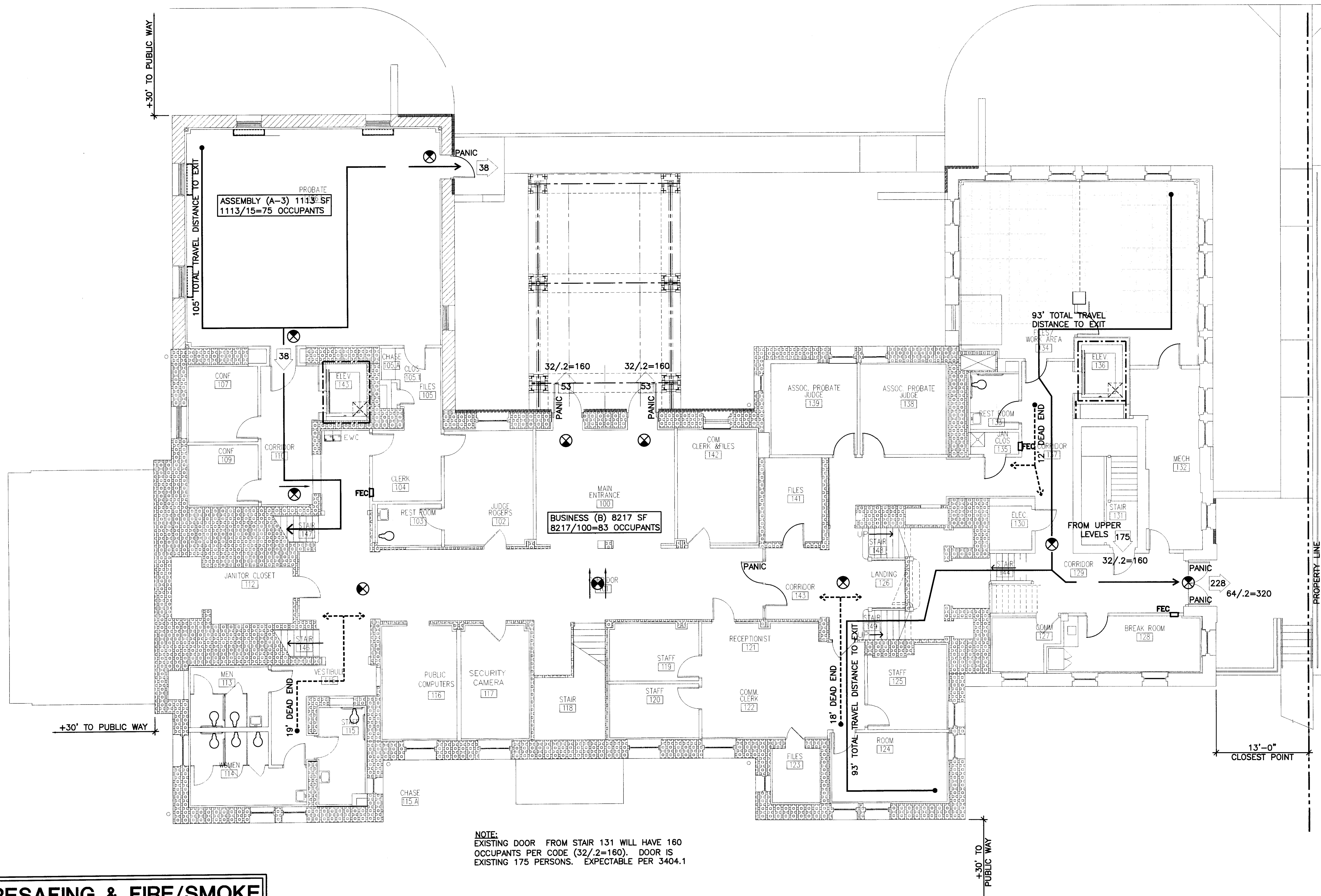
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1666
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GASTONIA, NC

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
BUILDING CODE DATA-APPENDIX B

sheet 1.00



FIRESAFING & FIRE/SMOKE STOPPING NOTES

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING & PROPERLY INSTALLING ALL FIRESAFING, FIRE/SMOKE STOPPING AT ALL PENETRATIONS OR OPENINGS BETWEEN FLOORS AT INTERSECTIONS OF RATED WALLS & STRUCTURAL ELEMENTS, AT ALL PENETRATIONS THROUGH RATED & NON-RATED WALLS AND AT ALL OTHER AREAS WHERE FIRE & SMOKE MAY PENETRATE. COMPLY WITH UL NO. 1479 & ASTM E814 FOR THE RATINGS REQUIRED BY THE DRAWINGS & BY THE BUILDING CODE FOR FLOOR PENETRATIONS, WALL PENETRATIONS, AND PERIMETER WALL TO FLOOR PROTECTION OR OPENINGS.

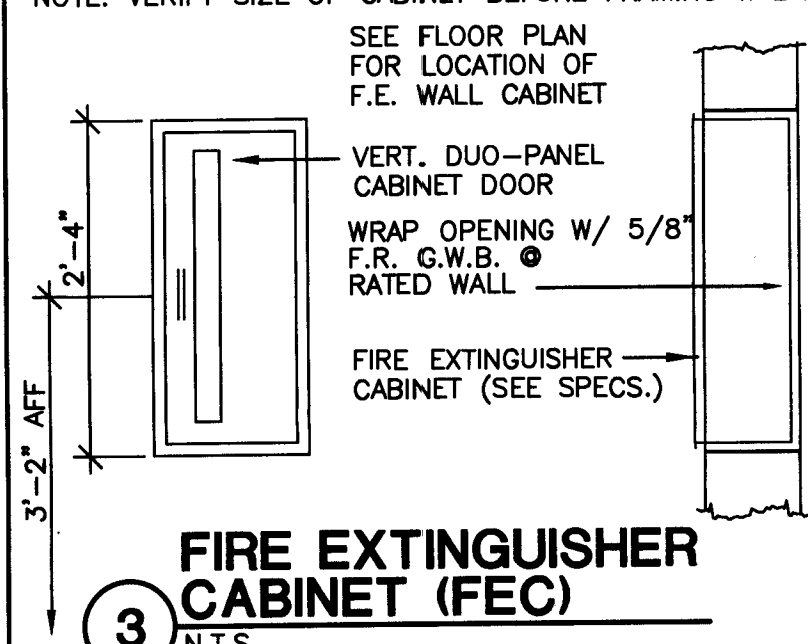
FIRE EXTINGUISHER LOC.

FIRE EXTINGUISHER CABINET (FEC)	
ROOM NAME:	QUANTITY:
CORRIDOR 101	1
CORRIDOR 137	1
LANDING 230	1
LOBBY 247	1
CORRIDOR 301	1
CORRIDOR 318	1
LANDING 400	1
CORRIDOR 318	1

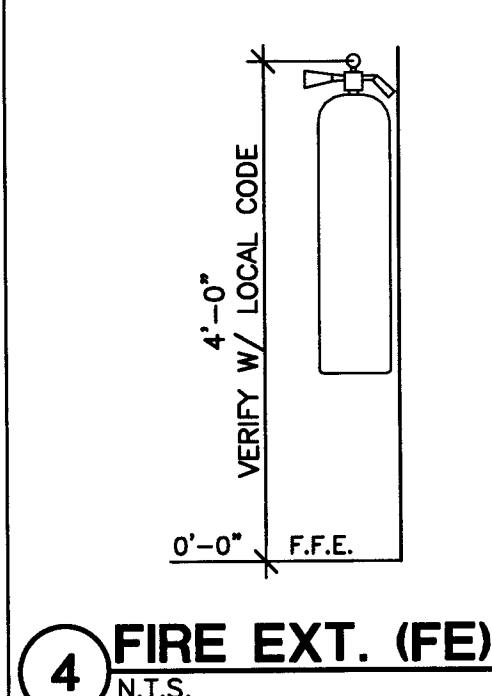
FIRE EXTINGUISHER (FE)	
ROOM NAME:	QUANTITY:
MECHANICAL 404	1
ROOM 405	1

FIRE EXTINGUISHER DETAILS

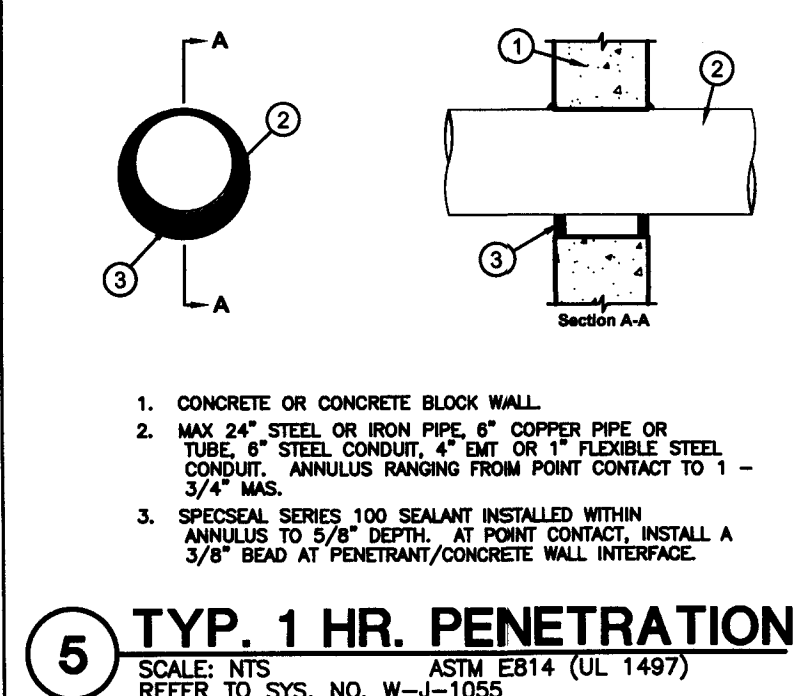
NOTE: VERIFY SIZE OF CABINET BEFORE FRAMING WALL.



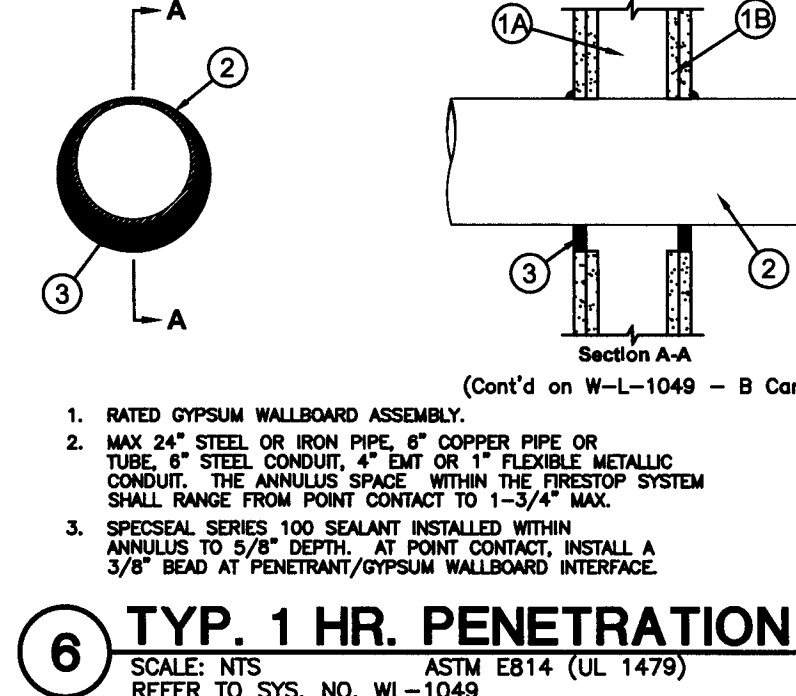
4 FIRE EXT. (FE)
N.T.S.



5 TYP. 1 HR. PENETRATION
SCALE: NTS ASTM E814 (UL 1497)
REFER TO SYS. NO. W-1-1055



6 TYP. 1 HR. PENETRATION
SCALE: NTS ASTM E814 (UL 1479)
REFER TO SYS. NO. WI-1049



STENCIL WITH RED SPRAY PAINT IN A MANNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION

FIRE AND SMOKE BARRIER

20' O.C.

CEILING A.F.F.

IMPORTANT NOTE:

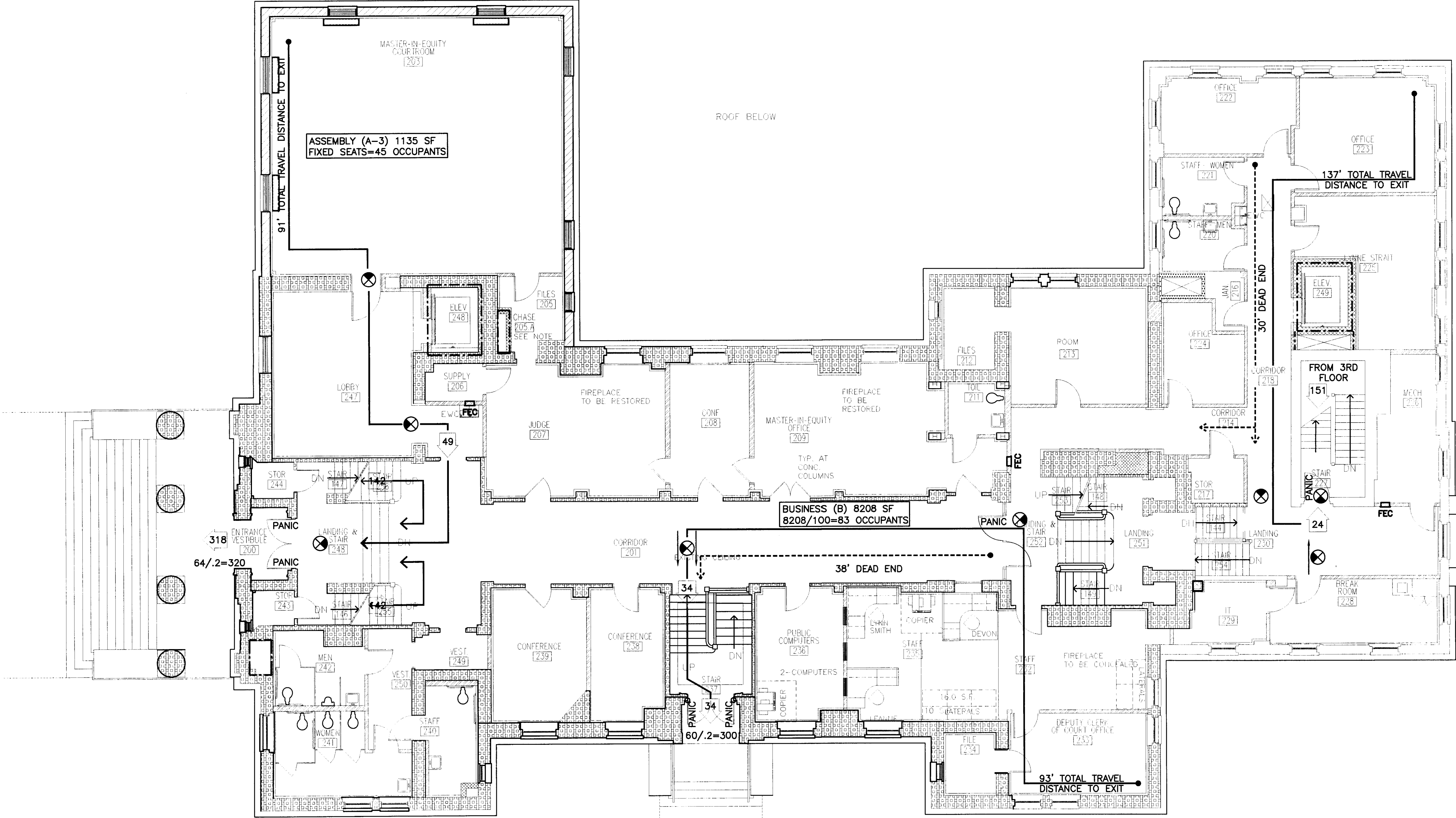
1) ALL GYPSUM WALLBOARD SHALL BE 5/8" TYPE "X".

GENERAL NOTES

1. FIRESTOP AROUND ALL PIPE, CONDUIT, DUCTWORK AND ANY OTHER PENETRATIONS THROUGH RATED & NON-RATED WALLS.
2. ALL FIRE RATED PARTITIONS MUST BE STENCILED WITH RED SPRAY PAINT IN THE CON- BEARED SPACE ABOVE THE CEILING WITH THE WORDS: "FIRE AND SMOKE BARRIER" 12" HIGH. STENCILING SHALL BE APPLIED AT 20'-0" O.C. STAGGER THE STENCILING ON OPPOSITE CORRIDOR WALLS.
3. PROVIDE 2x8 MIN. FIRE TREATED WOOD BLOCKING SECURLY ANCHORED IN ALL WALLS BEHIND ALL TOILET ACCESSORIES, BASE CABINETS, WALL CABINETS, VISUAL DISPLAY BOARDS AND ALL OTHER SURFACE MOUNTED ITEMS. PROVIDE WOOD FRAMING SECURLY ANCHORED TO WALL FRAMING TO PROVIDE ANCHORING SURFACE FOR ITEMS RECESSED IN WALLS.
4. COORDINATE ALL WALL FINISHES, IE GY. BD. -PAINTED, BACKER BD.-TILE, WITH SHEET 7.10 PRIOR TO INSTALLATION.
5. METAL STUDS AND GYPSUM BOARD, ON ONE SIDE TO EXTEND TO UNDERSIDE OF ROOF. PROVIDE A 3'-0"x3'-0" ACCESS PANEL, COORDINATE EXACT LOCATIONS WITH OWNER & ARCHITECT.
6. ALL WOOD BLOCKING IN WALLS, ABOVE CEILING, ETC SHALL BE FIRE TREATED PER THE BUILDING CODE.

LEGEND

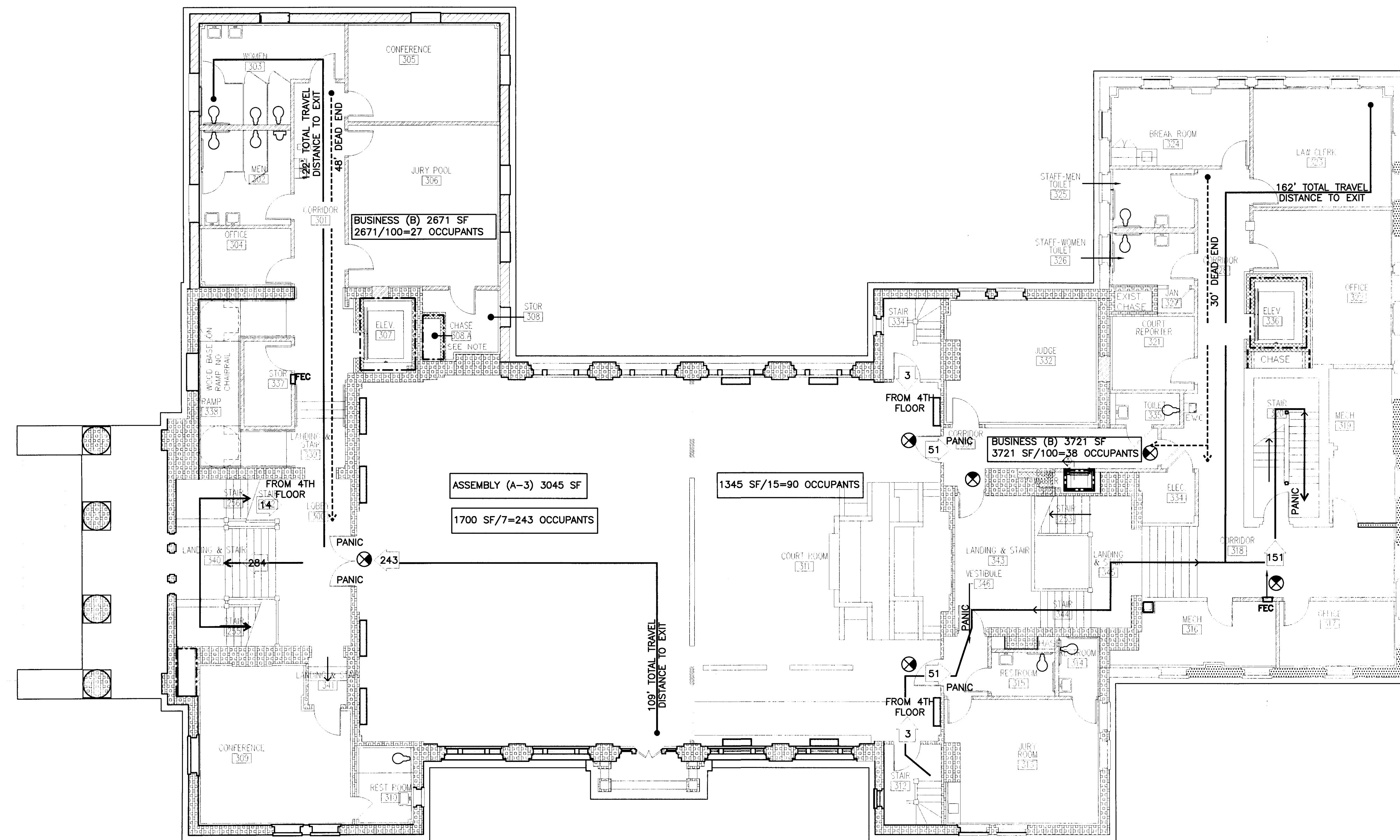
- | | | |
|---|---|---|
|  | X | FIRE EXTINGUISHER |
|  | | FIRE EXTINGUISHER BRACKET |
|  | | FIRE EXT. CABINET FULLY RECESSED |
|  | | FIRE EXT. CABINET SEMI RECESSED |
|  | | OCCUPANT LOAD |
|  | | EXIT SIGN
(SEE ELECT. DRAWINGS) |
|  | | SMOKE DETECTOR
(SEE ELECT. DRAWINGS) |
|  | | ONE HOUR WALL |



TRUE NORTH PLAN NORTH
1 SECOND FLOOR LIFE SAFETY PLAN
SCALE: 1/8"=1'-0"

LEGEND

- X EXIT DISCHARGE
- FE FIRE EXTINGUISHER BRACKET
- FEC FIRE EXT. CABINET FULLY RECESSED
- FECS FIRE EXT. CABINET SEMI RECESSED
- xx OCCUPANT, LOAD
- ⊗ EXIT SIGN (SEE ELECT. DRAWINGS)
- Ⓢ SMOKE DETECTOR (SEE ELECT. DRAWINGS)
- — — ONE HOUR WALL



TRUE NORTH PLAN NORTH
1 THIRD FLOOR LIFE SAFETY PLAN
 SCALE: 1/8"=1'-0"

LEGEND	
→ X	EXIT DISCHARGE
FE	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXT. CABINET FULLY RECESSED
FECS	FIRE EXT. CABINET SEMI RECESSED
xx	OCCUPANT LOAD
⊗	EXIT SIGN (SEE ELECT. DRAWINGS)
Ⓢ	SMOKE DETECTOR (SEE ELECT. DRAWINGS)
— ■ —	ONE HOUR WALL

Project No.
1390

Date
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 Drawn
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 JCS
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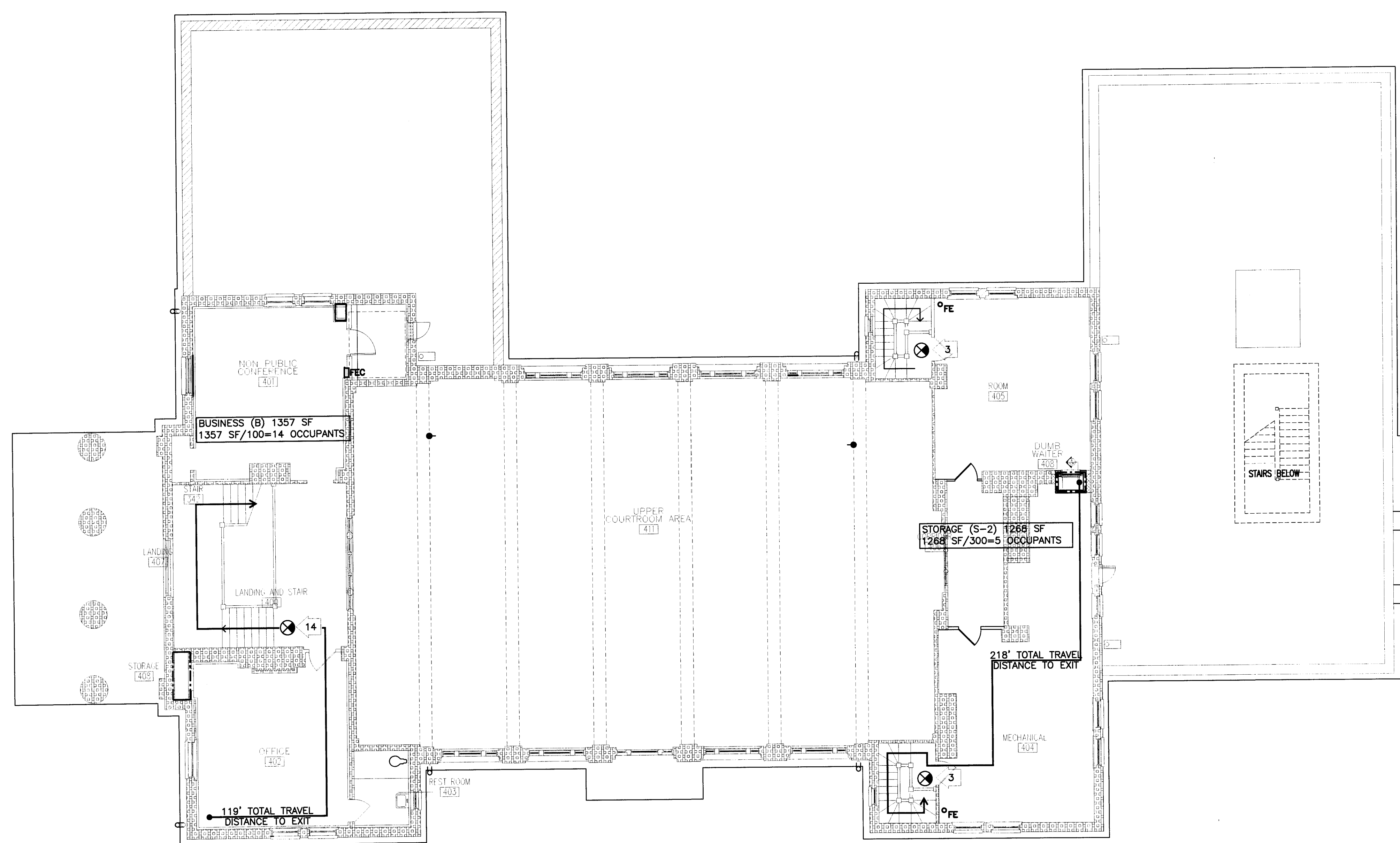
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 GASTONIA, NC

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA

THIRD FLOOR LIFE SAFETY PLAN

sheet **1.12**



TRUE NORTH PLAN NORTH
① FOURTH FLOOR LIFE SAFETY PLAN
 SCALE: 1/8"=1'-0"

LEGEND	
→ X	EXIT DISCHARGE
FE	FIRE EXTINGUISHER BRACKET
FEC	FIRE EXT. CABINET FULLY RECESSED
FECS	FIRE EXT. CABINET SEMI RECESSED
xx	OCCUPANT LOAD
⊗	EXIT SIGN (SEE ELECT. DRAWINGS)
⊙	SMOKE DETECTOR (SEE ELECT. DRAWINGS)
— ■ —	ONE HOUR WALL

Project No.
1390

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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA

FOURTH FLOOR LIFE SAFETY PLAN
 sheet **1.13**

FIRST FLOOR PARTITION TYPES

AT ALL POLYURETHANE FOAM INSULATION LOCATIONS BRING GYP. BD. UP TO ROOF/CEILING STRUCTURE

EXTERIOR

ALL EXTERIOR WALLS ON FIRST FLOOR TO RECEIVE 2 COATS THUROSEAL OVER INTERIOR SIDE OF MASONRY FROM THE EXISTING WINDOW SILL LINE DOWN.

1.1 NON-RATED STUD FURRING ON EXTERIOR WALL W/ WOOD BASE

1.1A NOT USED REFER TO 1.8

1.2 NON-RATED STUD FURRING ON EXTERIOR WALL W/ WOOD BASE & CHAIR RAIL

1.2A NON-RATED STUD FURRING ON INTERIOR WALL W/ WOOD BASE & CHAIR RAIL

1.3 NON-RATED STUD FURRING ON EXTERIOR WALL W/ WOOD BASE & WALL PANELS

1.4 NON-RATED STUD FURRING ON EXTERIOR WALL W/ MARBLE BASE

1.5 NON-RATED STUD FURRING ON INTERIOR WALL W/ TILE

1.5A NON-RATED STUD FURRING ON INTERIOR WALL W/ TILE

1.5B NON-RATED STUD FURRING ON INTERIOR WALL W/ TILE

1.6 NON-RATED STUD FURRING ON EXTERIOR WALL

INTERIOR

1.7 NON-RATED 3-5/8" STUD WALL

1.8 NON-RATED STUD FURRING

1.9 NON-RATED 6" STUD WALL

1.10 NON-RATED 3-5/8" STUD WALL W/ WOOD BASE & WALL PANELS

1.11 NON-RATED 3-5/8" STUD WALL W/ MARBLE BASE AND WOOD CHAIR RAIL

1.11A NON-RATED 6" STUD WALL W/ MARBLE BASE AND WOOD CHAIR RAIL

1.12 PATCH, REPAIR & REFURBISH EXISTING PLASTER WALL

Project No.
1390

Date
07.10.2015

Drawn
GLM

Checked
JCS

Revisions

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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

WALL TYPES

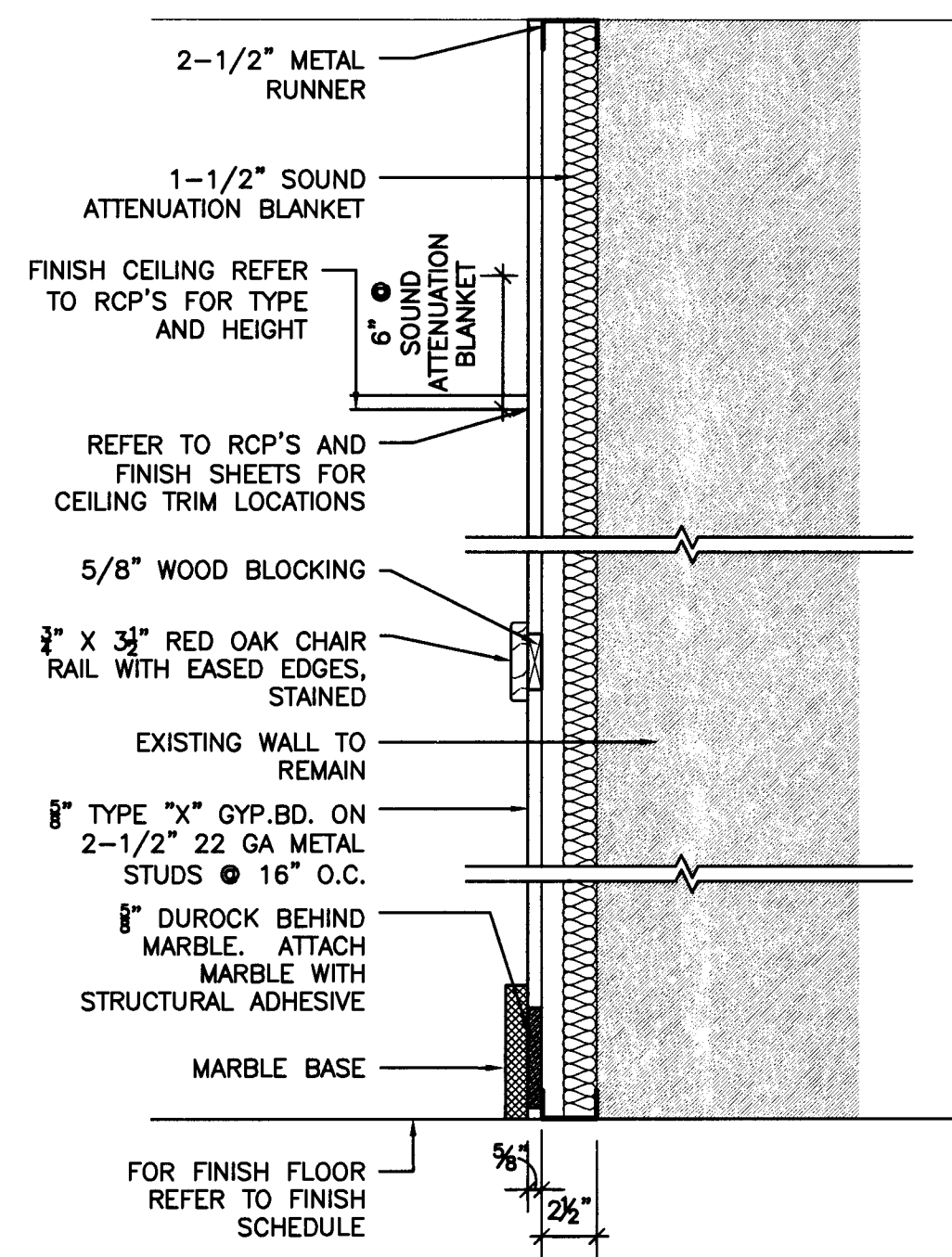
sheet 170

FIRST FLOOR PARTITION TYPES

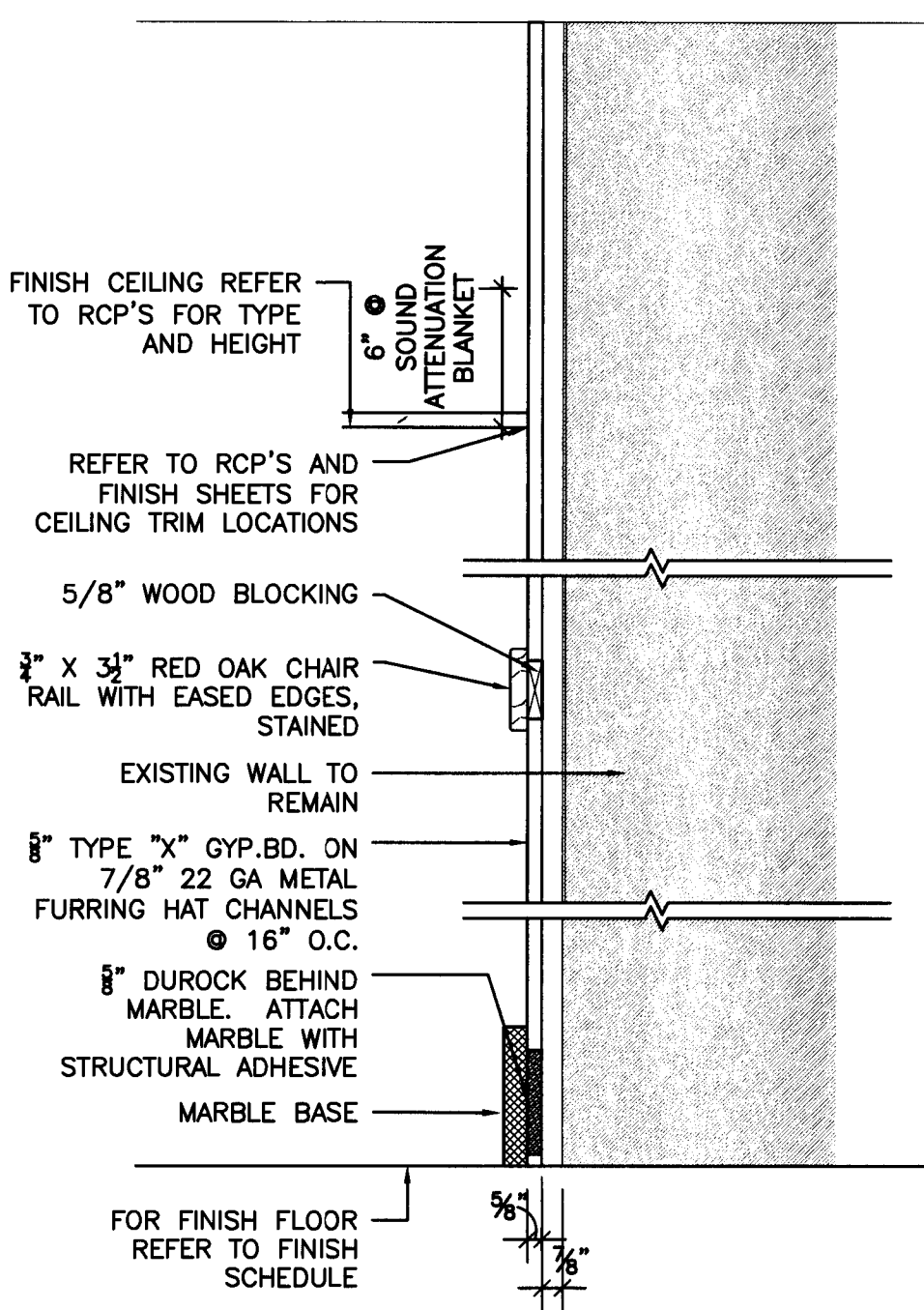
INTERIOR

AT ALL POLYURETHANE FOAM INSULATION LOCATIONS BRING GYP. BD. UP TO ROOF/CEILING STRUCTURE

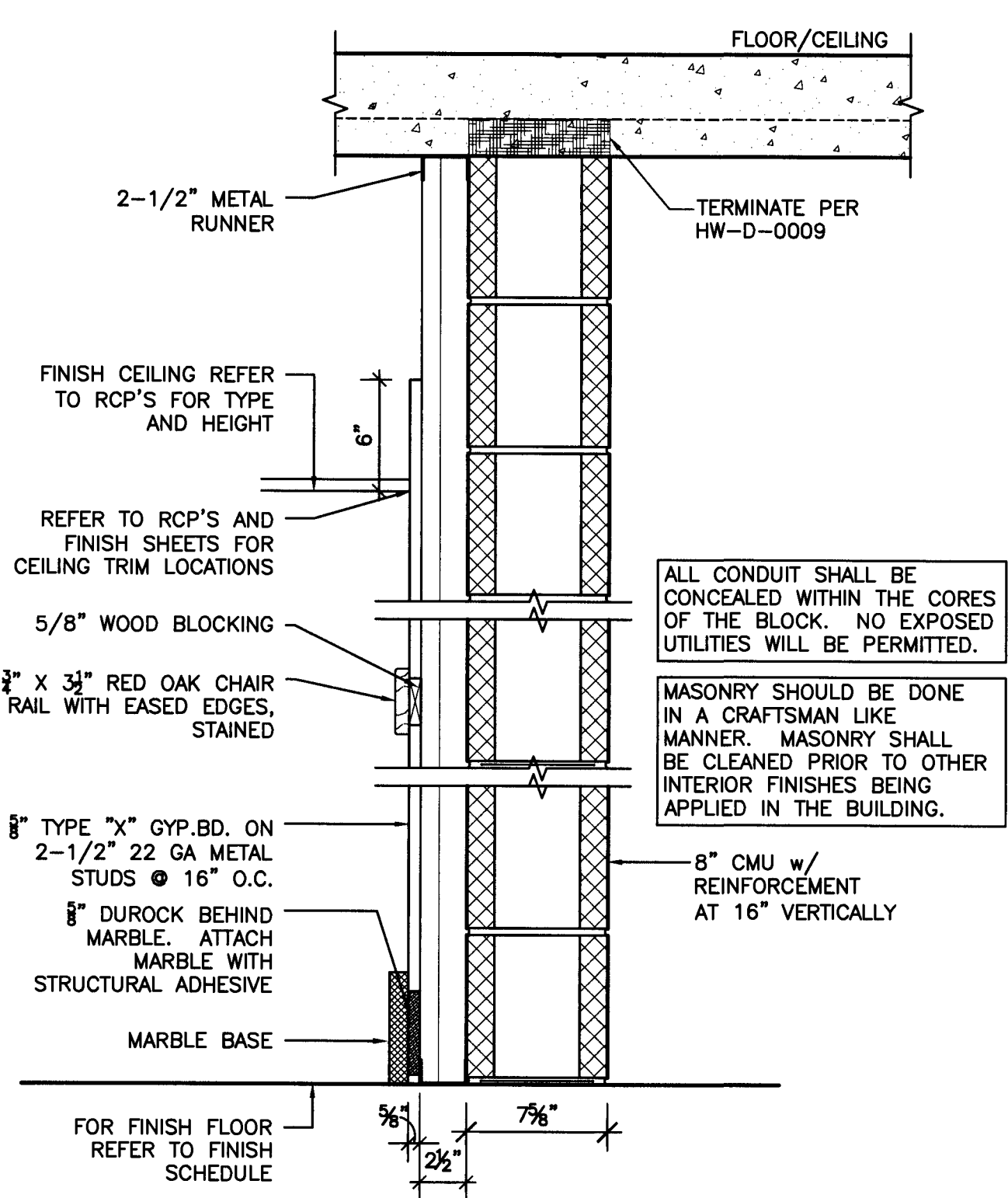
ALL EXTERIOR WALLS ON FIRST FLOOR TO RECEIVE 2 COATS THUROSEAL OVER INTERIOR SIDE OF MASONRY FROM THE EXISTING WINDOW SILL LINE DOWN.



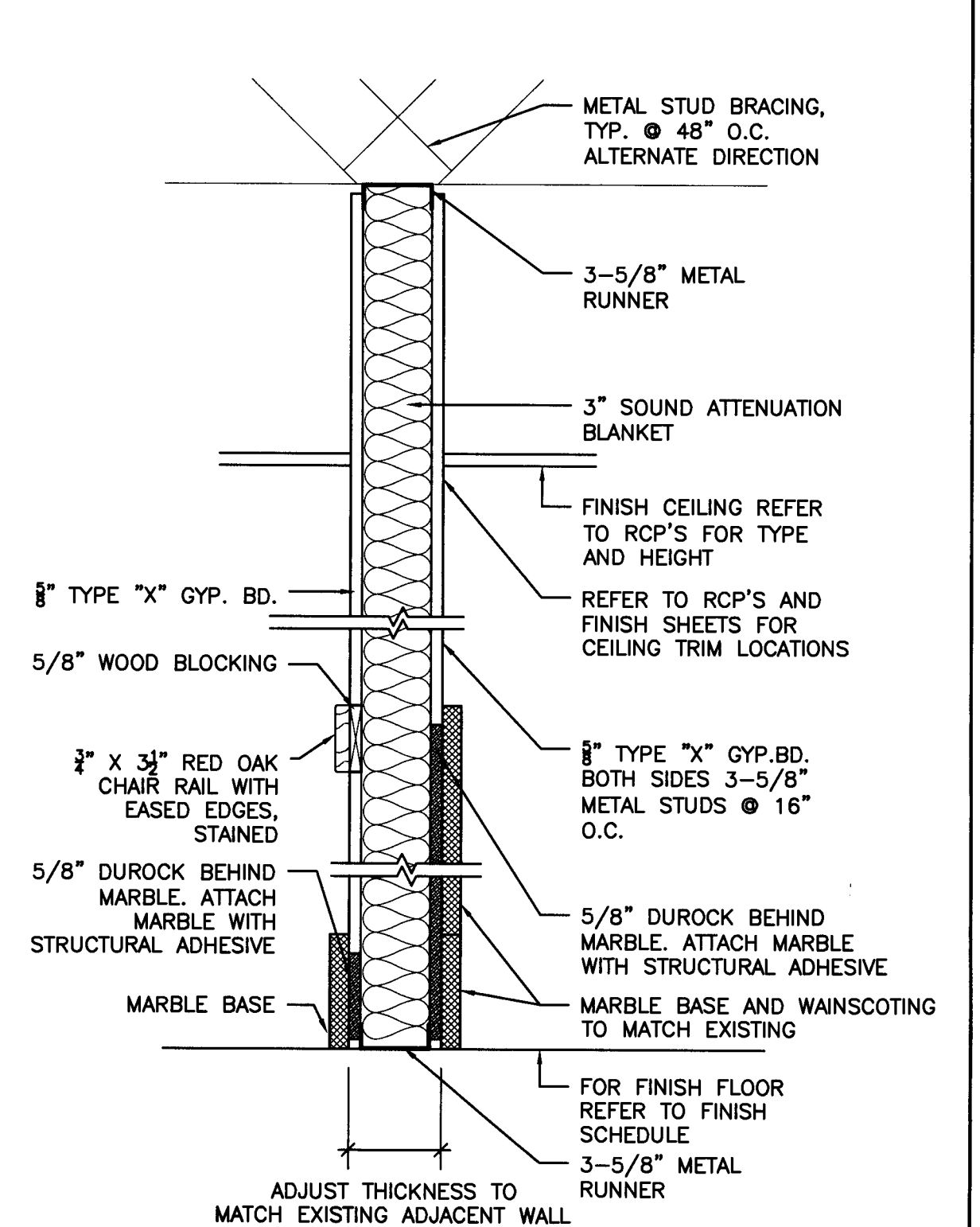
1.13 NON-RATED 2 1/2" STUD FURRING W/ WOOD BASE AND CHAIR RAIL



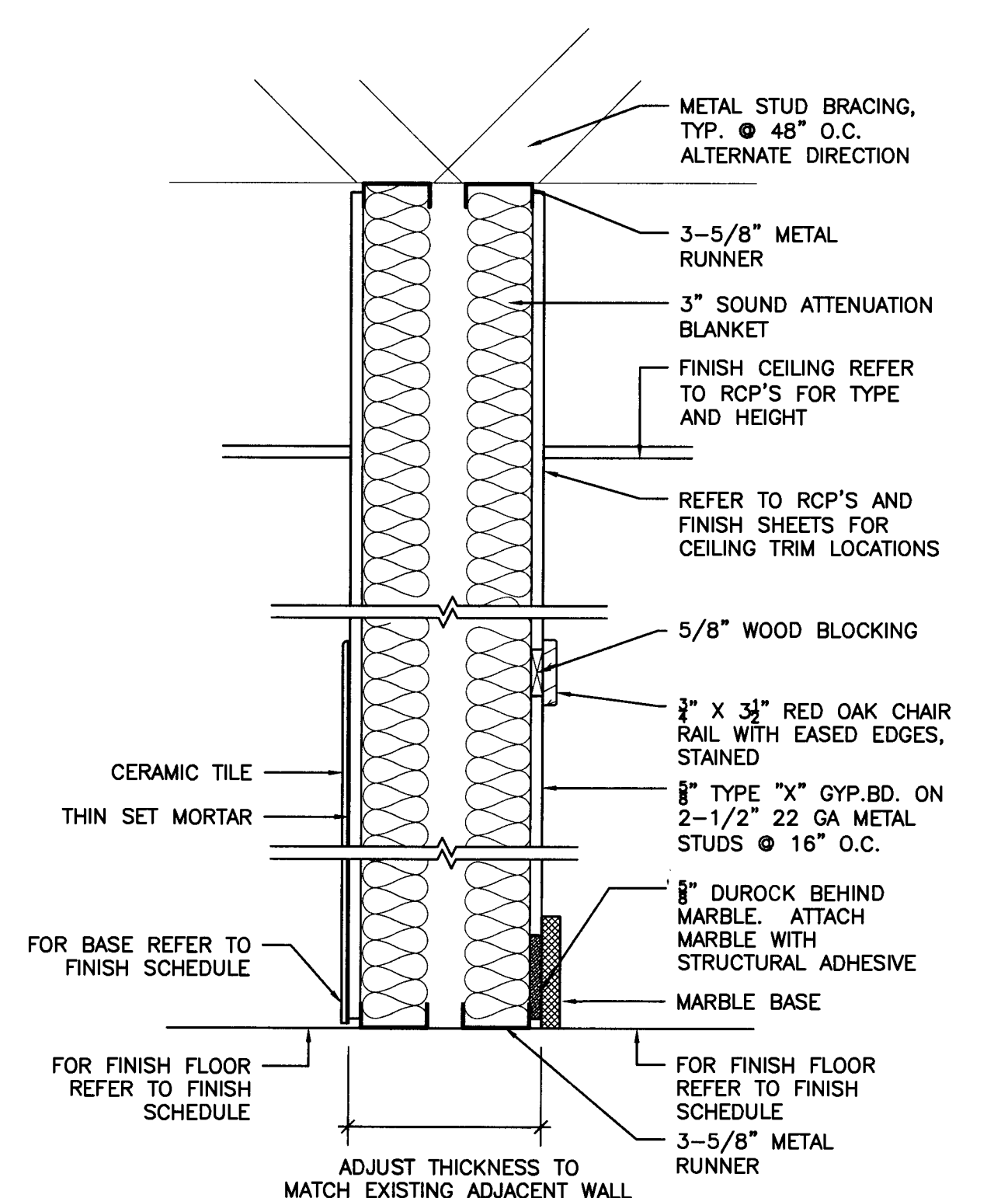
1.14 NON-RATED 3" STUD FURRING W/ WOOD BASE AND CHAIR RAIL



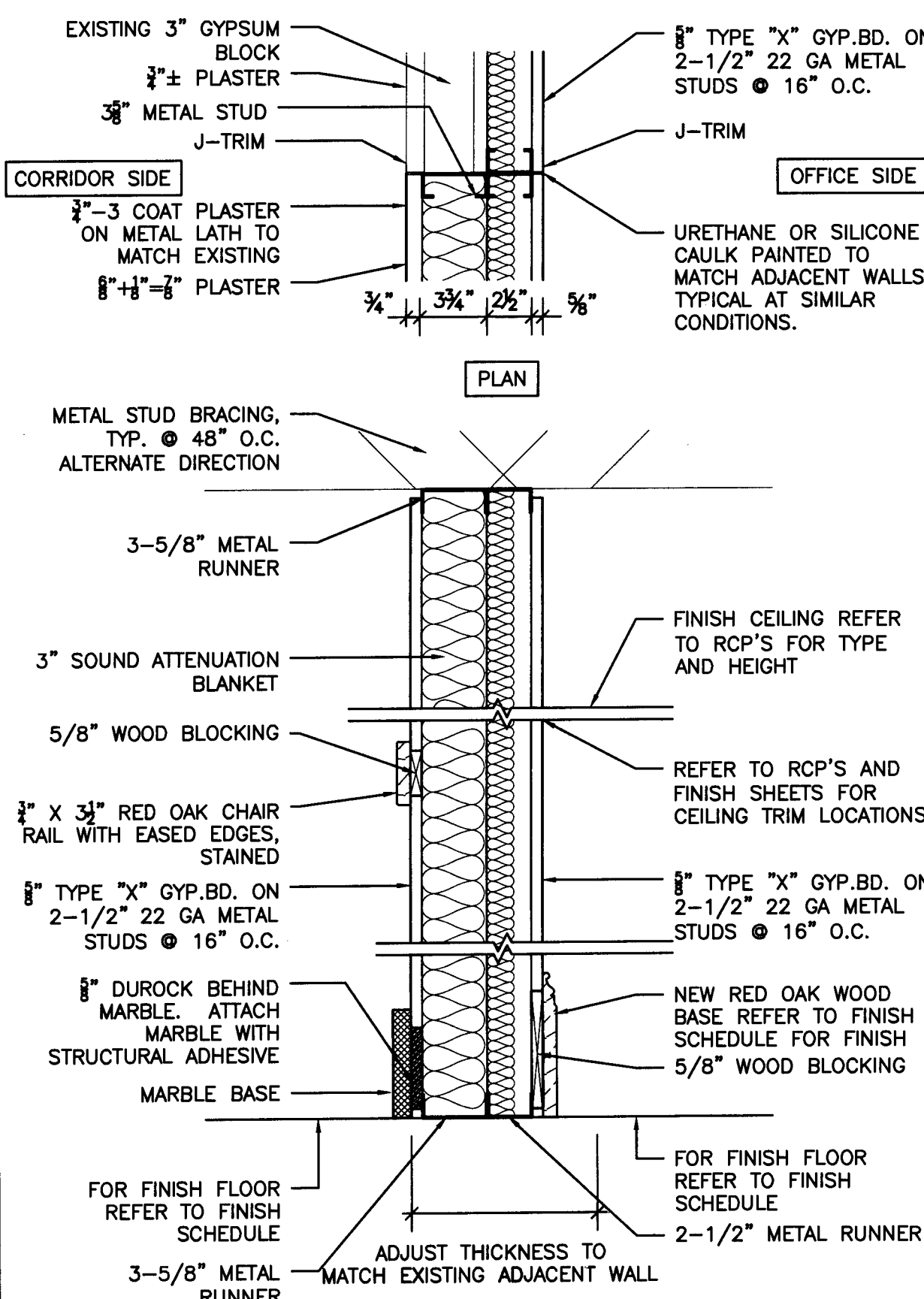
1.15 1 HR MIN RATED WALL UL U905
1 HR RATED FLOOR CLG. UL D219
W/ FURRING, MARBLE BASE & WOOD CHAIR RAIL



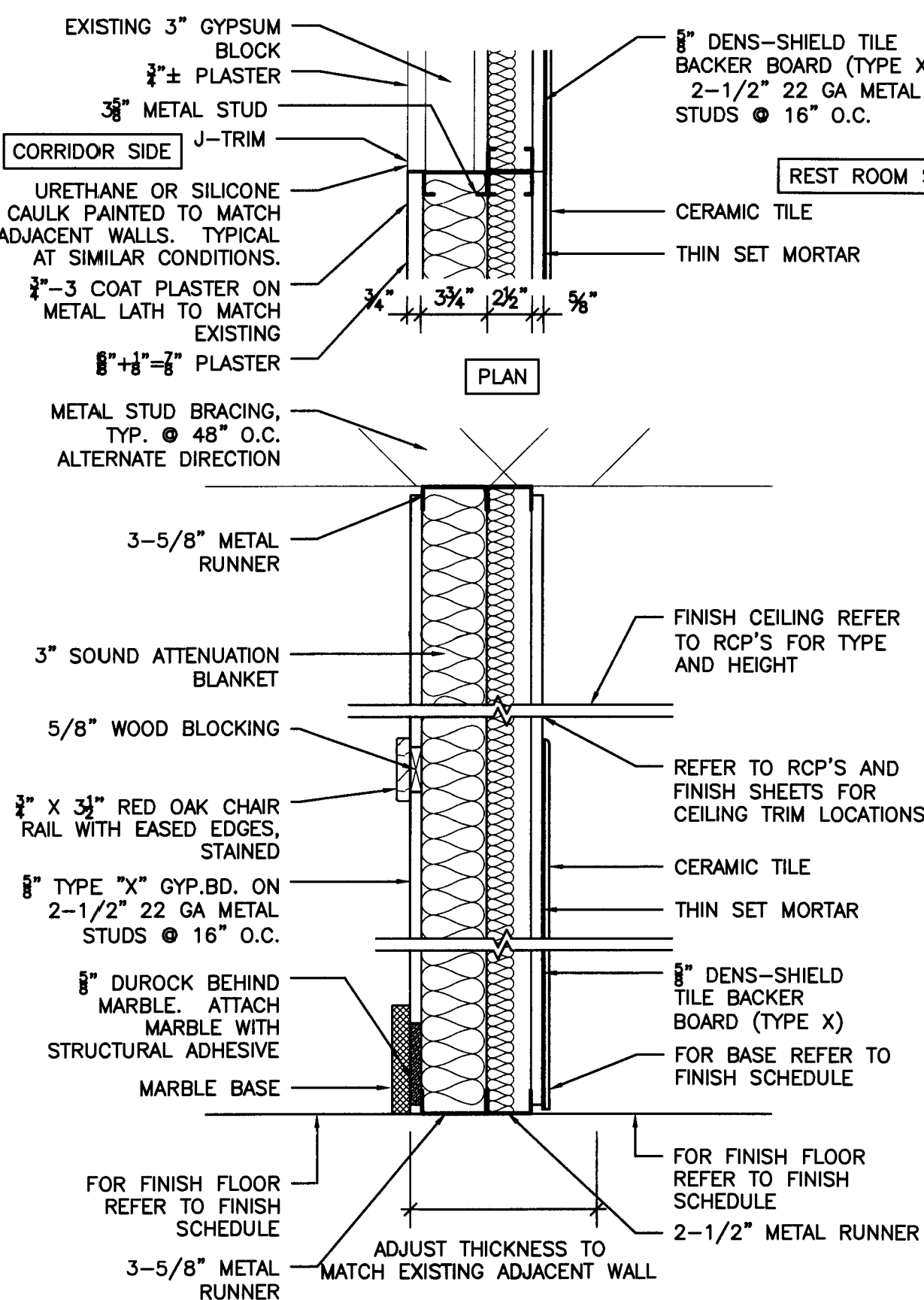
1.16 NON-RATED 3-5/8" STUD WALL



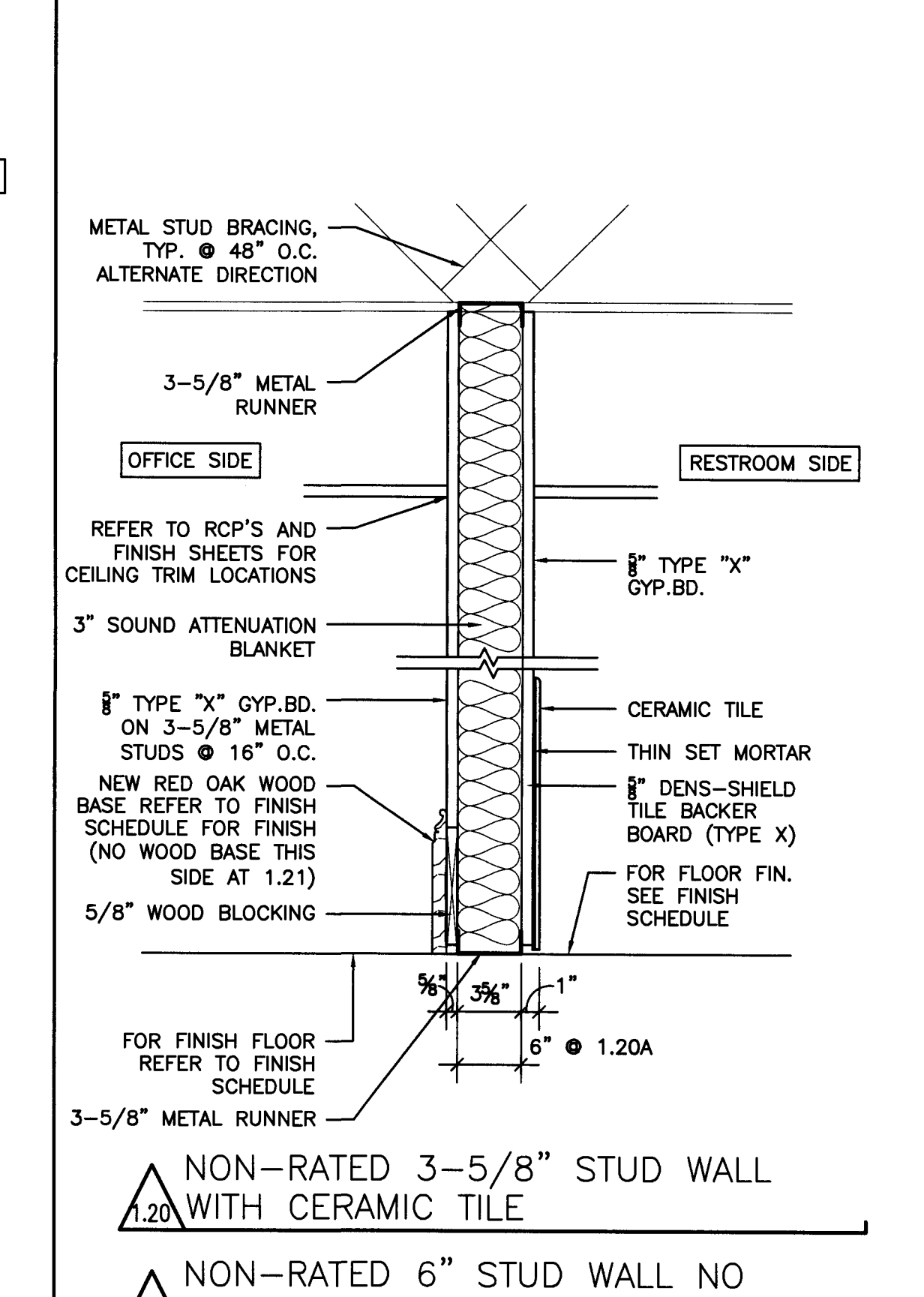
1.17 NON-RATED 3-5/8" WALL W/ MARBLE BASE AND WOOD CHAIR RAIL



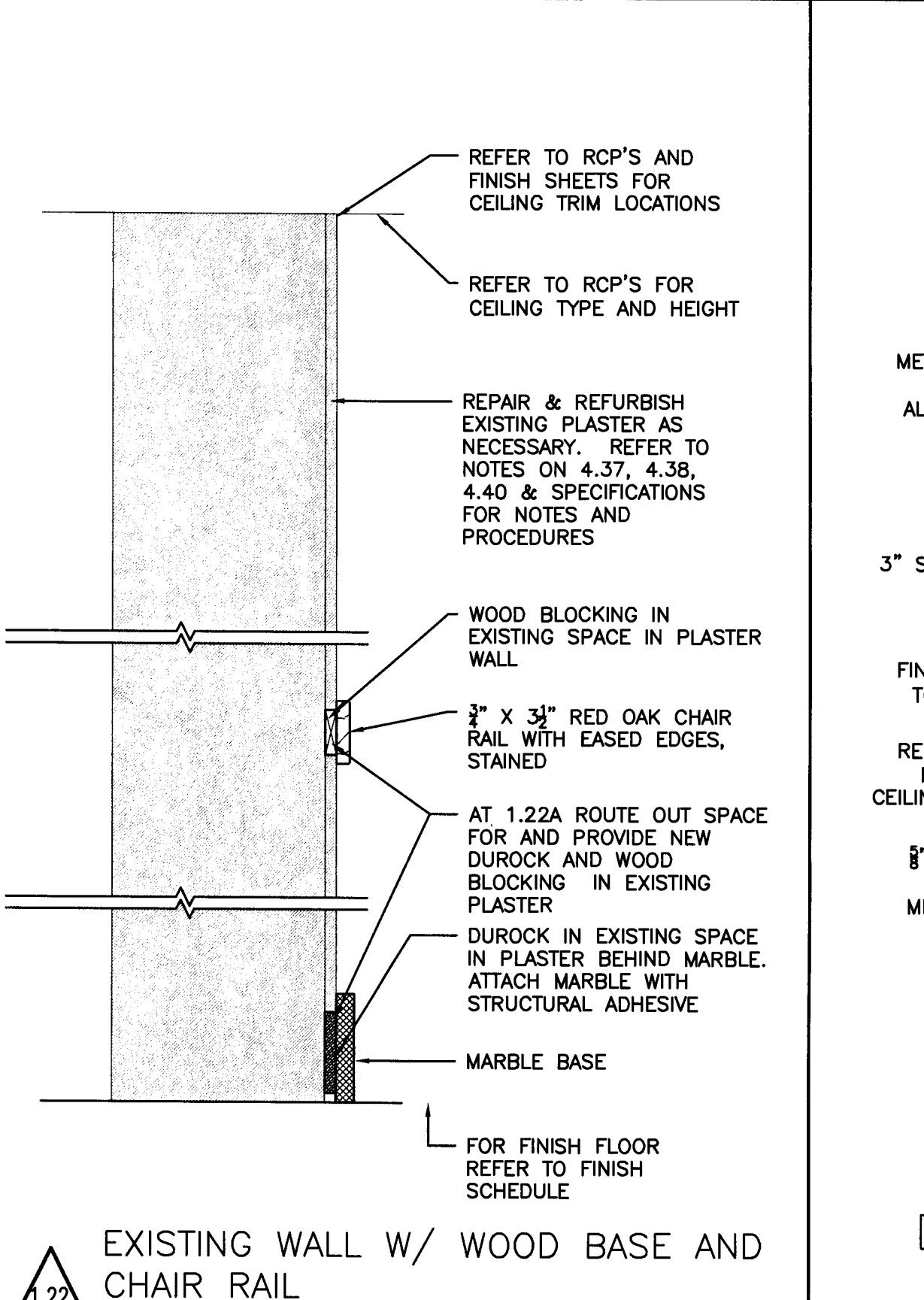
1.18 NEW WALL AT EXISTING GYPSUM BLOCK WALL



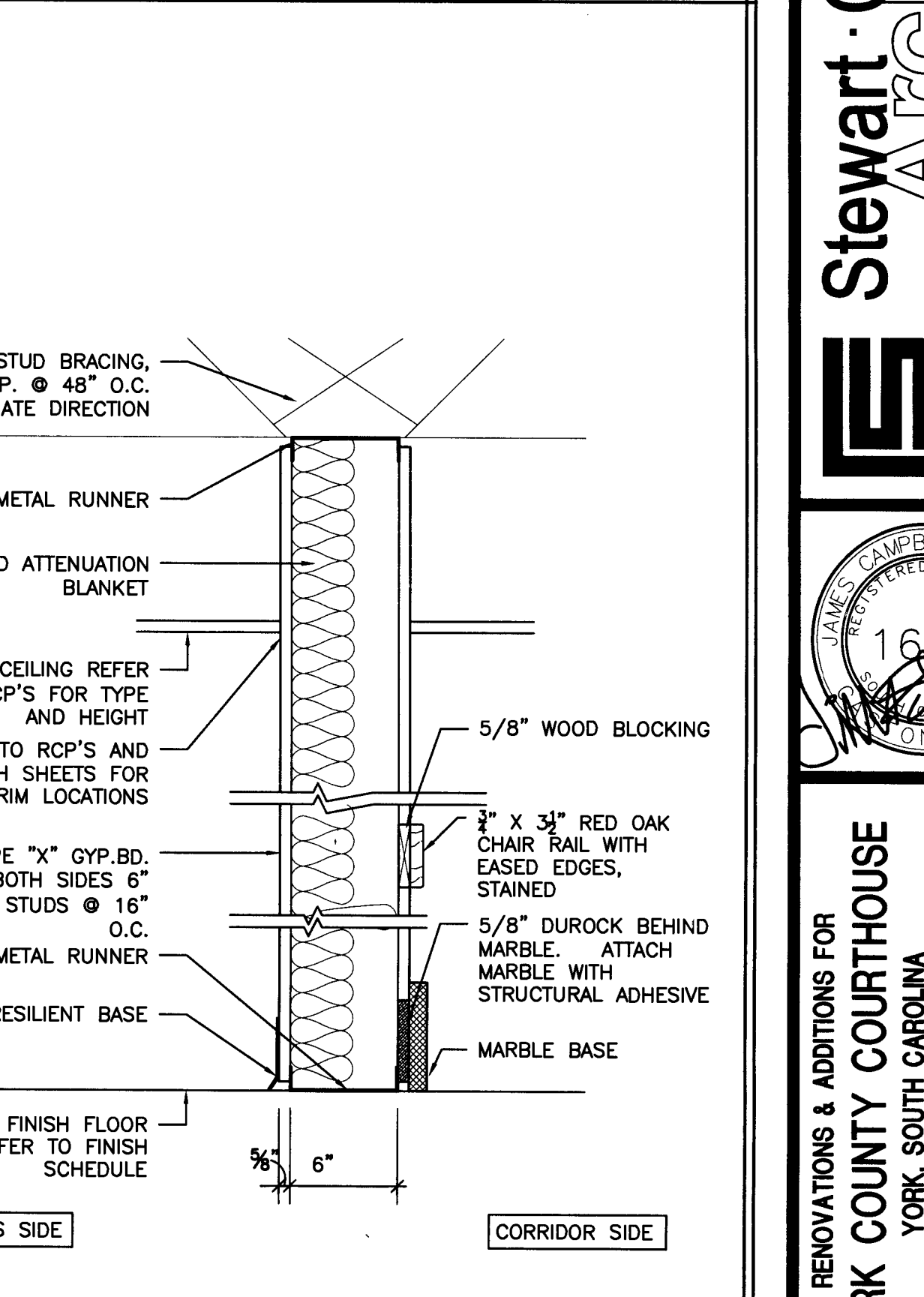
1.19 NEW WALL AT EXISTING GYPSUM BLOCK WALL W/ TILE



1.20 NON-RATED 3-5/8" STUD WALL WITH CERAMIC TILE



1.21 NON-RATED 6" STUD WALL NO WOOD BASE (CHASE WALL)



1.22 NON-RATED 3-5/8" STUD WALL WITH CERAMIC TILE (CHASE WALL)

Project No. 1390

Date 07.10.2015
Drawn GLM
Checked JCS
Revisions

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1666
7-10-15

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
WALL TYPES

sheet 1.71

FIRST FLOOR PARTITION TYPES

AT ALL POLYURETHANE FOAM INSULATION LOCATIONS BRING GYP. BD. UP TO ROOF/CEILING STRUCTURE

INTERIOR

ALL EXTERIOR WALLS ON FIRST FLOOR TO RECEIVE 2 COATS THUROSEAL OVER INTERIOR SIDE OF MASONRY FROM THE EXISTING WINDOW SILL LINE DOWN.

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

6" METAL RUNNER (3/8" @ 1.24A)

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD. BOTH SIDES 6" METAL STUDS @ 16" O.C. (3/8" @ 1.24A)

6" METAL RUNNER (3/8" @ 1.24A)

RESILIENT BASE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

OFFICE SIDE

1.24 NON-RATED 6" STUD WALL

1.24A NON-RATED 3 5/8" STUD WALL

1/2" METAL HAT CHANNEL RUN VERTICALLY @ 16" O.C. (2 1/2" METAL STUDS AT 1.25A)

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

EXISTING WALL TO REMAIN

1/2" TYPE "X" GYP.BD. ON 7/8" 22 GA METAL FURRING HAT CHANNELS @ 16" O.C. (2 1/2" METAL STUDS AT 1.25A)

RESILIENT BASE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

NON-RATED 1/2" STUD FURRING W/ RESILIENT BASE

1.25

NON-RATED 2 1/2" STUD FURRING W/ RESILIENT BASE

1.25A

1/2" METAL HAT CHANNEL RUN VERTICALLY @ 16" O.C.

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

5/8" WOOD BLOCKING

3/4" X 3/4" RED OAK CHAIR RAIL WITH EASED EDGES, STAINED (NO CHAR RAIL AT 1.26A)

EXISTING WALL TO REMAIN

1/2" TYPE "X" GYP.BD. ON 7/8" 22 GA METAL FURRING HAT CHANNELS @ 16" O.C.

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

NON-RATED 1/2" STUD FURRING W/ WOOD BASE AND CHAIR RAIL

1.26

NON-RATED 1/2" STUD FURRING W/ WOOD BASE ONLY

1.26A

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER (6" METAL RUNNER AT 1.27A)

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD. BOTH SIDES 3-5/8" METAL STUDS @ 16" O.C. (6" METAL STUDS @ 1.27A)

3-5/8" METAL RUNNER (6" METAL RUNNER AT 1.27A)

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

5/8" WOOD BLOCKING

6" @ 1.27A

5/8" WOOD BLOCKING

OFFICE/BREAK ROOM SIDE

CORRIDOR/COURTROOM SIDE

1.27 NON-RATED 3-5/8" STUD WALL W/ WOOD BASE AND WOOD CHAIR RAIL

1.27A NON-RATED 6" STUD WALL W/ WOOD BASE AND WOOD CHAIR RAIL

1/2" METAL HAT CHANNEL RUN VERTICALLY @ 16" O.C.

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

EXISTING WALL TO REMAIN

1/2" TYPE "X" GYP.BD. ON 7/8" 22 GA METAL FURRING HAT CHANNELS @ 16" O.C.

RESILIENT BASE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

NON-RATED NEW PLASTER ON EXISTING WALL

1.28

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3/8" METAL RUNNER

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD. BOTH SIDES 3/8" METAL STUDS @ 16" O.C.

3/8" METAL RUNNER

RESILIENT BASE BOTH SIDES

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

NON-RATED 3-5/8" STUD WALL

1.29

2-1/2" METAL RUNNER

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

5/8" WOOD BLOCKING

3/4" X 3/4" RED OAK CHAIR RAIL WITH EASED EDGES, STAINED

1/2" TYPE "X" GYP.BD. ON 2-1/2" 22 GA METAL STUDS @ 16" O.C.

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH (NO WOOD BASE THIS SIDE AT 1Y.1)

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

7 5/8" @ 1.30

7 5/8" @ 1.30A

1 HR MIN RATED WALL UL U905

1 HR RATED FLOOR.CLG. UL D219

W/ FURRING, WOOD BASE & WOOD CHAIR RAIL

1.30

NOTE: FILL ALL JOINTS. FIRE STOP AROUND ALL PIPE CONDUIT, DUCTWORK & ANY OTHER PENETRATIONS THROUGH RATED WALLS.

1 HR MIN RATED WALL UL U905

1 HR RATED FLOOR.CLG. UL D219

W/ FURRING, WOOD BASE NO CHAIR RAIL

1.30A

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

6" METAL RUNNER

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD. BOTH SIDES 6" METAL STUDS @ 16" O.C.

6" METAL RUNNER

RESILIENT BASE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

3/4" X 3/4" RED OAK CHAIR RAIL WITH EASED EDGES, STAINED

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

6" @ 1.31A

3/8" @ 1.31A

1.31 NON-RATED 6" STUD WALL

1.31A NON-RATED 3 5/8" STUD WALL

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD. ON 3-5/8" METAL STUDS @ 16" O.C.

RESILIENT BASE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

3-5/8" METAL RUNNER

1" @ 1.32

1.32 NON-RATED 3-5/8" STUD WALL WITH CERAMIC TILE

2-1/2" METAL RUNNER

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD. ON 7/8" 22 GA METAL FURRING @ 16" O.C.

WOOD BASE @ 1.33A

RESILIENT BASE

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

7 5/8" @ 1.33

7 5/8" @ 1.33A

1 HR MIN RATED WALL UL U905

1 HR RATED FLOOR.CLG. UL D219

W/ FURRING

1.33

NOTE: FILL ALL JOINTS. FIRE STOP AROUND ALL PIPE CONDUIT, DUCTWORK & ANY OTHER PENETRATIONS THROUGH RATED WALLS.

1 HR MIN RATED WALL UL U905

1 HR RATED FLOOR.CLG. UL D219

WOOD BASE W/ WOOD BLOCKING

1.33A

Project No.
1390

Date
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SOUTH CAROLINA
1-10-15

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

WALL TYPES

sheet 172

FIRST FLOOR PARTITION TYPES

AT ALL POLYURETHANE FOAM INSULATION LOCATIONS BRING GYP. BD. UP TO ROOF/CEILING STRUCTURE

INTERIOR

ALL EXTERIOR WALLS ON FIRST FLOOR TO RECEIVE 2 COATS THUROSEAL OVER INTERIOR SIDE OF MASONRY FROM THE EXISTING WINDOW SILL LINE DOWN.

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER

1/2" TYPE "X" GYP.BD.

3" SOUND ATTENUATION BLANKET

CERAMIC TILE

THIN SET MORTAR

8" DENS-SHIELD TILE BACKER BOARD (TYPE X)

FOR FLOOR FIN. SEE FINISH SCHEDULE

COOR. WITH MECH & PLUMBING

3-5/8" METAL RUNNER

1.34 NON-RATED 3-5/8" STUD WALL

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER

1/2" TYPE "X" GYP.BD.

3" SOUND ATTENUATION BLANKET

CERAMIC TILE

THIN SET MORTAR

8" DENS-SHIELD TILE BACKER BOARD (TYPE X)

FOR FLOOR FIN. SEE FINISH SCHEDULE

COOR. WITH MECH & PLUMBING

3-5/8" METAL RUNNER

1.35 NON-RATED 3-5/8" STUD WALL WITH CERAMIC TILE AT CHASE

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER

3" SOUND ATTENUATION BLANKET

1/2" TYPE "X" GYP.BD.

5/8" WOOD BLOCKING

1/2" X 3/4" RED OAK CHAIR RAIL WITH EASED EDGES, STAINED

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

5/8" WOOD BLOCKING

3-5/8" METAL RUNNER

1.36 NON-RATED 3-5/8" STUD WALL

REFER TO RCP'S FOR CEILING TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

5/8" WOOD BLOCKING IN EXISTING SPACE IN PLASTER WALL

1/2" X 3/4" RED OAK CHAIR RAIL WITH EASED EDGES, STAINED

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

5/8" WOOD BLOCKING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

1.37 EXISTING WALL W/ WOOD BASE AND CHAIR RAIL

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP.BD.

5/8" DUROCK BEHIND MARBLE. ATTACH MARBLE WITH STRUCTURAL ADHESIVE

MARBLE BASE AND WAINSCOTING TO MATCH EXISTING

RESILIENT BASE BOTH SIDES

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

1.38 NON-RATED STUD WALL

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP. BD.

5/8" WOOD BLOCKING

1/2" X 3/4" RED OAK CHAIR RAIL WITH EASED EDGES, STAINED

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

1.39 NON-RATED STUD WALL

SECOND FLOOR PARTITION TYPES

2-1/2" METAL RUNNER

1-1/2" SPRAY POLYURETHANE FOAM INSULATION

1-1/2" SOUND ATTENUATION BLANKET @ 2.1A

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

6" SOUND ATTENUATION BLANKET

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

EXISTING WALL TO REMAIN

1/2" TYPE "X" GYP.BD. ON 2-1/2" 22 GA METAL STUDS @ 16" O.C.

5/8" DUROCK BEHIND MARBLE ATTACH WITH STRUCTURAL ADHESIVE TO ATTACH MARBLE WAINSCOTING

MARBLE WAINSCOTING

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

2.1 NON-RATED STUD FURRING ON EXTERIOR WALL W/ MARBLE WAINSCOTING

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP. BD.

5/8" DUROCK BEHIND MARBLE. ATTACH MARBLE WITH STRUCTURAL ADHESIVE

MARBLE BASE AND WAINSCOTING TO MATCH EXISTING

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

5/8" WOOD BLOCKING

3-5/8" METAL RUNNER

2.2 NON-RATED 3-5/8" STUD WALL

REPAIR & REFURBISH EXISTING PLASTER AS NECESSARY. REFER TO NOTES ON 4.37, 4.38, 4.40 & SPECIFICATIONS FOR NOTES AND PROCEDURES

EXISTING WALL TO REMAIN

EXISTING MARBLE WAINSCOTING TO REMAIN

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

2.3 EXISTING MARBLE WAINSCOTING

METAL STUD BRACING, TYP. @ 48" O.C. ALTERNATE DIRECTION

3-5/8" METAL RUNNER

3" SOUND ATTENUATION BLANKET

1/2" TYPE "X" GYP.BD.

CERAMIC TILE

THIN SET MORTAR

1/2" DENS-SHIELD TILE BACKER BOARD (TYPE X)

FOR FLOOR FIN. SEE FINISH SCHEDULE

3-5/8" METAL RUNNER

2.4 NON-RATED 3-5/8" STUD WALL WITH CERAMIC TILE AT CHASE

3" SOUND ATTENUATION BLANKET

FINISH CEILING REFER TO RCP'S FOR TYPE AND HEIGHT

REFER TO RCP'S AND FINISH SHEETS FOR CEILING TRIM LOCATIONS

1/2" TYPE "X" GYP. BD.

5/8" DUROCK BEHIND MARBLE. ATTACH MARBLE WITH STRUCTURAL ADHESIVE

MARBLE BASE AND WAINSCOTING TO MATCH EXISTING

NEW RED OAK WOOD BASE REFER TO FINISH SCHEDULE FOR FINISH

FOR FINISH FLOOR REFER TO FINISH SCHEDULE

5/8" WOOD BLOCKING

ADJUST THICKNESS TO MATCH EXISTING ADJACENT WALL

2.5 NON-RATED STUD WALL

Project No. 1390

Date 07.10.2015

Drawn GLM

Checked JCS

Revisions

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RENOVATIONS & ADDITIONS FOR YORK COUNTY COURTHOUSE YORK, SOUTH CAROLINA

WALL TYPES

sheet 173

SECOND FLOOR PARTITION TYPES

AT ALL POLYURETHANE FOAM INSULATION LOCATIONS BRING GYP. BD. UP TO ROOF/CEILING STRUCTURE

INTERIOR

ALL EXTERIOR WALLS ON FIRST FLOOR TO RECEIVE 2 COATS THUROSEAL OVER INTERIOR SIDE OF MASONRY FROM THE EXISTING WINDOW SILL LINE DOWN.

THIRD FLOOR PARTITION TYPES

WALL BOARD NOTES

- 1. ALL GYPSUM BOARD AT WALLS & CEILINGS SHALL BE 5/8" TYPE 'X' GYPSUM BOARD.
- 2. PROVIDE EXPANSION JOINTS AS RECOMMENDED BY MANUFACTURER FOR ALL WALL BOARD INSTALLATION. COORDINATE W/ ARCHITECT & OWNER FOR AESTHETIC PURPOSES. SEE SHEET 1.71 FOR EXPANSION JOINT DETAILS.
- 3. ALL TILE BACKER BOARD SHALL BE 5/8" TYPE 'X' 'DENSISHIELD'.
- 4. FILL & TAPE ALL JOINTS & FIRESTOP AROUND ALL PIPE, CONDUIT DUCTWORK & ANY OTHER PENETRATIONS THRU RATED WALLS.
- 5. COORDINATE ALL WALL BOARD INSTALLATION WITH THE FINISH SCHEDULE SHEET.
- 6. INSTALL ALL GYPSUM BOARD VERTICALLY.
- 7. FURR WALLS AROUND FIRE EXTINGUISHER CABINETS AS REQUIRED. SEE FLOOR PLAN FOR FIRE EXTINGUISHER LOCATIONS.
- 8. PROVIDE 1/2" DUROCK CEMENT BORD BACKUP AT ALL MARBLE INSTALLATIONS.

INSULATION NOTES

- 1. EXTERIOR WALLS
 - A. ALL EXTERIOR WALLS SHALL HAVE RIGID INSULATION AS INDICATED ON WALL SECTIONS
- 2. INTERIOR WALLS
 - A. ALL INTERIOR 3 5/8" METAL STUD WALLS SHALL HAVE 3" THICK SOUND ATTENUATION BLANKETS.
 - B. 6" OR 8" METAL STUD WALLS SHALL HAVE 2 LAYERS OF 3" THICK SOUND ATTENUATION BLANKETS.
 - C. WALLS OF VARYING THICKNESS SHALL HAVE SOUND ATTENUATION BLANKETS IN THE THICKNESS INDICATED FOR THE PARTICULAR WALL TYPE.
- 3. PROVIDE 24 WIDE PERIMETER OF 3" SOUND ATTENUATION BLANKETS ABOVE CEILINGS ON EXTERIOR SIDE OF ALL TOILET WALLS.

Project No.
1390

Date
07.10.2015

Drawn
GLM

Checked
JCS

Revisions

STEWART-COOPER-NEWELL ARCHITECTS, P.A.

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CERT. NO. C-82008

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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

WALL TYPES

sheet **1.74**

STRUCTURAL CLAY TILE

SECTIONS THRO PARTITIONS AND HEIGHTS ALLOWABLE.

ISOMETRICS OF STANDARD TILES USED IN ABOVE PARTITIONS.
Jama size tiles are used for long span floors below.

ONE WAY (Long span) COMBINATION FLOOR.
Economical for medium loads - spanning 16' to 20'.

TWO WAY COMBINATION FLOOR (SCHUSTER).
Economical where loading is not on four walls.

Type of Building	Span	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'
Residence or Apartment	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"
Office Building	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"
School or College	8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	18"

COLUMN & PIPE CHASE
In R.C. City & East 2 1/2" x 8" x 12" tile with 1" web is used elsewhere 3" x 8" x 12" partition tile is also used for exterior columns 4" x 12" x 12" tiles.

PARITIONS JOINING COLUMN
Clips may be used at intersections.

COLUMN FIREPROOFING
Scale 3/4" = 1'-0". Recommendations of the Structural Clay Products Institute, 1948.

STRUCTURAL CLAY TILE

DAKUP 12" wall

HEADER BACKER 12" wall

HEADER BACKER 12" wall

CORED or DOUBLE-SHELL 12" wall

DENISON 12" wall

HEATH CUBE 12" wall

SPEED-A-BACKER 16" wall

KWIKLAY 12" wall

SPEED-A-BACKER 12" wall

SPEED-TILE 12" wall

SPEED-TILE 16" wall

KWIKLAY 12" wall

DENISON

SPEED-TILE

SPEED-A-BACKER

KWIKLAY

DRI-SPEEDWALL

LEAK-PRUF

TYPES OF BONDING for COMBINATION BRICK & TILE WALLS
Other combinations of units may be used for any desired header interval.

TYPES OF NON-CONTINUOUS JOINT, SINGLE UNIT STRUCTURAL CLAY TILE WALLS
Scale 1/2" = 1'-0"

Sealing not indicated on sections. Tile is made by most manufacturers to make combination walls 16" x 16" x 16" thick. Mortar for both brick and back-up tile to be 1 part Portland Cement, 1 part lime and 3 parts clean sharp sand. Mortar beds to be 1/2" thick; pointing recommended back of brick or for back of tile. Recommendations of the Structural Clay Products Institute, 1948.

STRUCTURAL CLAY TILE

TYPICAL TILE 5" SIZED UNITS

TYPICAL LOAD BEARING SIDE OR END CONSTRUCTION WALL TILE

PLAN SHOWING JOIST BEARING

PLAN SHOWING JOIST BEARING

WIDE OPENINGS (over 5' wide)

DOOR JAMB

DOOR JAMB

WINDOW JAMB

WINDOW JAMB

'END' WALL CONSTRUCTION
Horizontal cell units Scale 1/2" = 1'-0"

'END' WALL CONSTRUCTION
Vertical cell units Scale 1/2" = 1'-0"

EXTERIOR WALL CONSTRUCTION with STUCCO FINISH
Recommendations of the Structural Clay Products Institute, 1948.

STRUCTURAL CLAY TILE for COMBINATION BRICK & TILE WALLS

DAK-UP

HEADER - BACKER

DENISON TILE

HEATH - CUBES

SPEED-A-BACKER

RAI-TILB

SPEED-TILE

LEAK-PRUF

KWIK-LAY

CORED-SHELL

DOUBLE-SHELL

DRI-SPEEDWALL

Med. actual modular size of tile. Typ. actual typical (non-modular) size of tile.
Standard mortar joint for structural clay tile is 1/8".

Recommendations of the Structural Clay Products Institute, 1948.

GYPSON PARTITIONS

SECTIONS THRO PARTITIONS.

ELEVATION.

GYPSON PARTITION TILE

JACK ARCH LINTELS
1'-0" to 4' WIDE.

REINFORCED GYPSON LINTEL
FOR OPENINGS 4' TO 7'.

DOOR BUCKS THAT GO TO THE CEILING.
Lintels up to 1'-0" can be spanned with tile with 4" minimum bearing.

COMBINATION METAL BUCK AND TRIM.

LINTELS AND BUCKS FOR PARTITIONS.

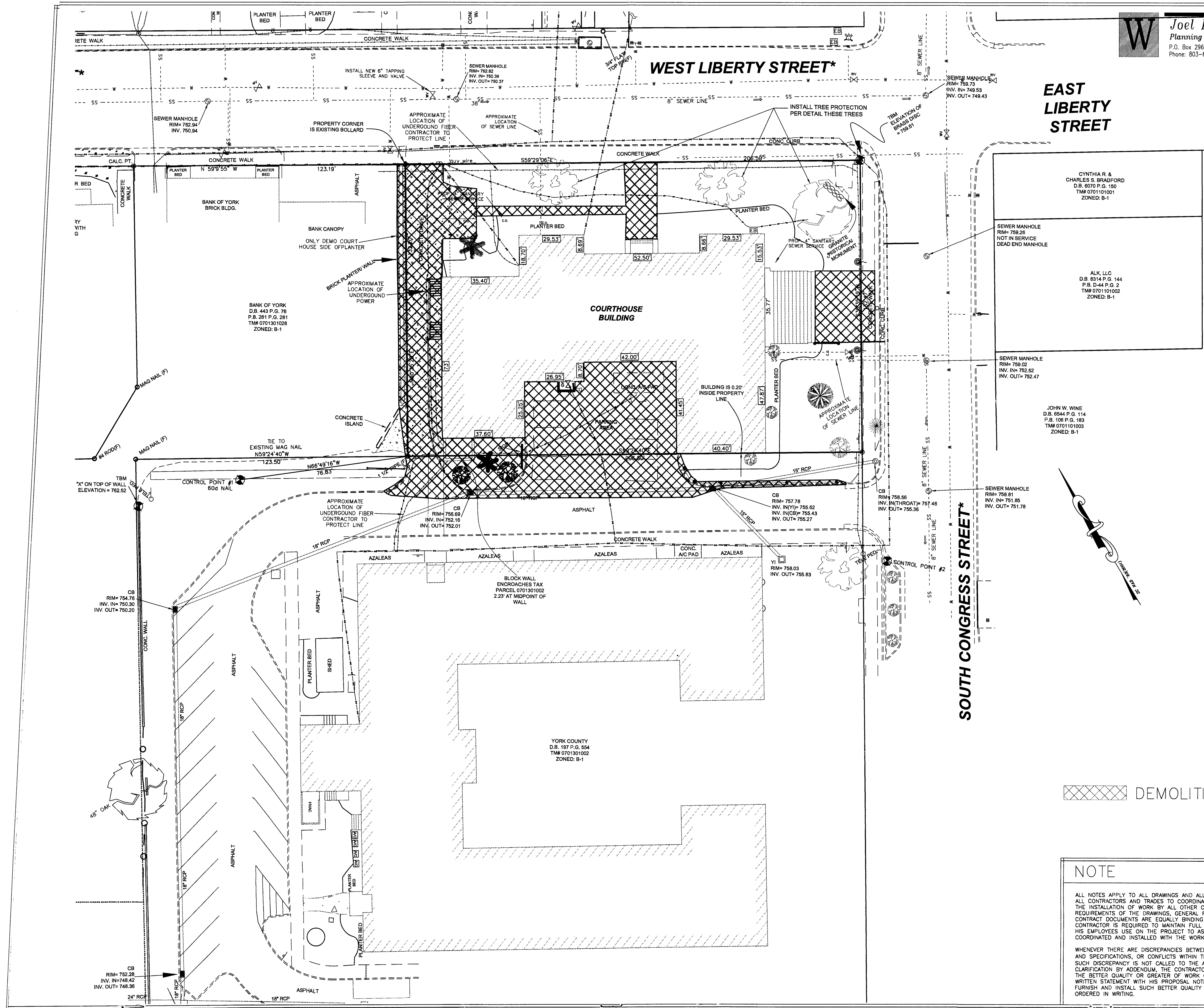
TYPES OF BUCKS Scale 3/4" = 1'-0"

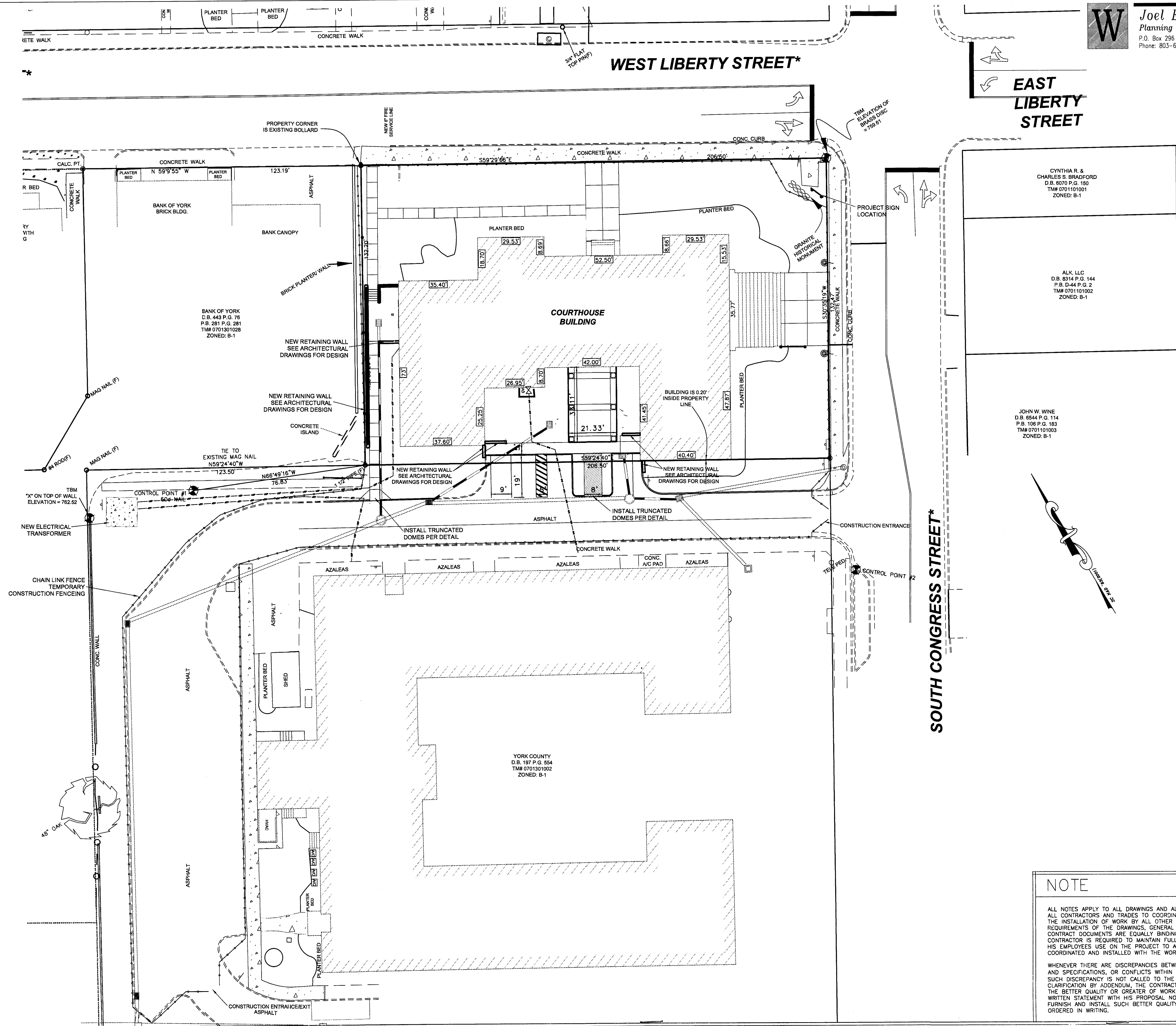
TYPES OF BASES 1/2" - 1'-0"
Where excessive moisture is expected, 12" structural clay tile block 1st course.

METHOD OF PROVIDING NAILING FOR HEAVY FIXTURES.
Such as blackboards etc. Scale 1/2" = 1'-0"

IMPORTANT NOTES:

1. THESE PAGES ARE REPRODUCTIONS OF PAGES FROM ARCHITECTURAL GRAPHICS AND ARE INTENDED TO PROVIDE THE CONTRACTOR GRAPHIC INFORMATION ABOUT THE ORIGINAL CONSTRUCTION.
2. CARE MUST BE TAKEN WHEN CUTTING THROUGH THE EXISTING FLOORS AND WALLS. PROPER SHORING AND SAFETY MEASURES MUST BE TAKEN.
3. PHOTOGRAPHS THAT ARE INCLUDED IN THE DRAWINGS ARE INTENDED TO SERVE AS A VISUAL REMINDER OF EXISTING CONDITIONS BOTH BEFORE AND AFTER DEMOLITION.





NOTE

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Planning / Engineering / Management
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Phone: 803-684-3390

Project No.
1390

Date
07.10.2015
Drawn
GLM
Checked
JCS
Revisions
ADDENDUM 1
7/28/15

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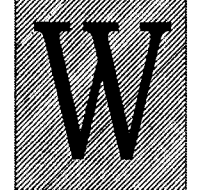
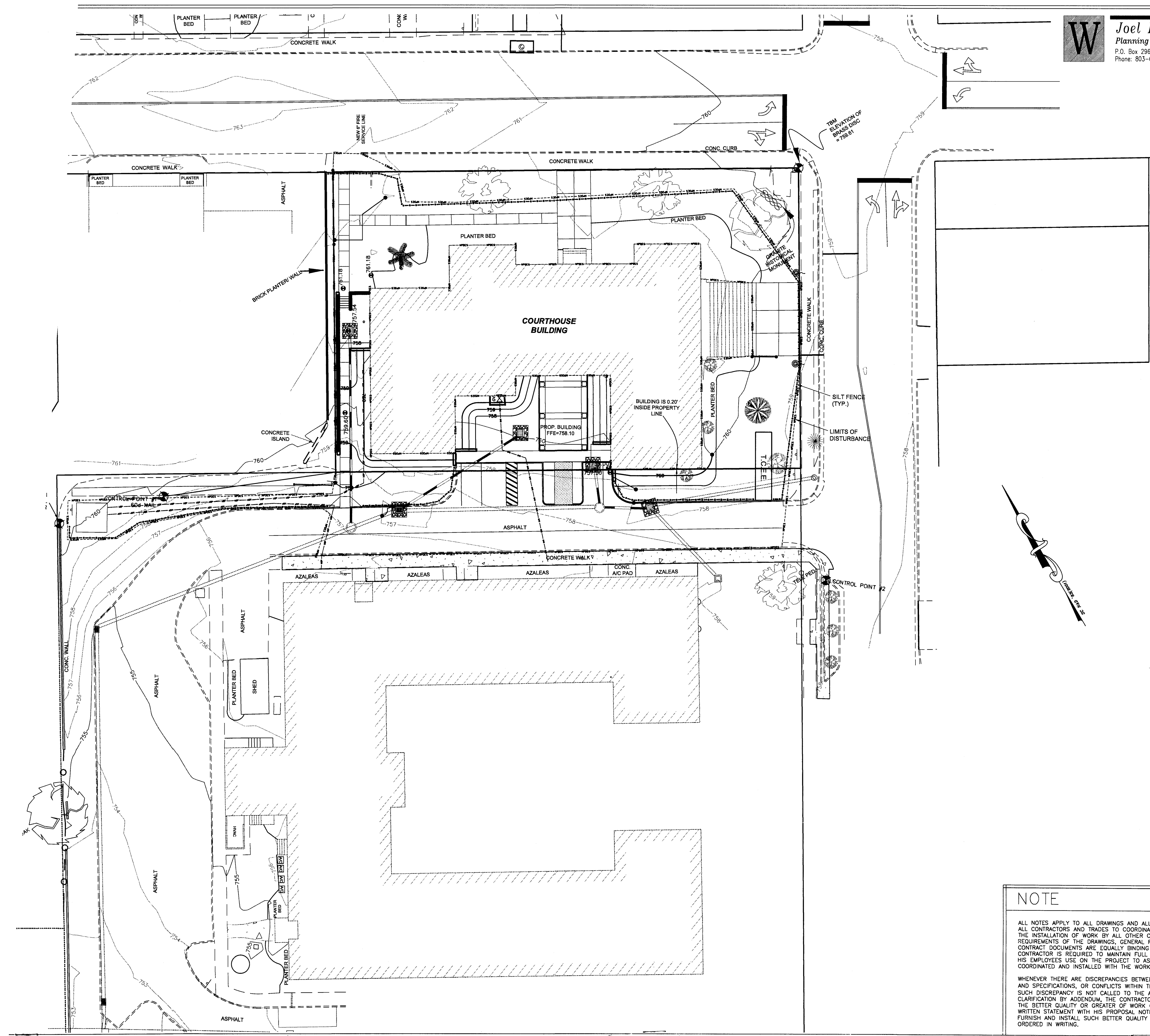
JOEL E. WOOD & ASSOCIATES, L.L.C.
No. 00596
12/31/2018

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

SITE PLAN

sheet
2.02

SCALE
1"=20'



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Project No.
1390

Date
07.10.2015

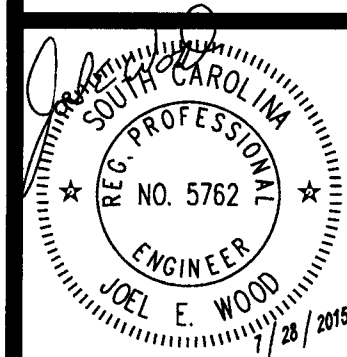
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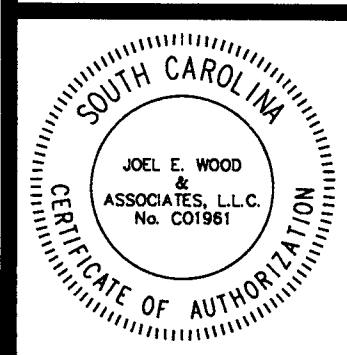
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

SEDIMENT & EROSION CONTROL

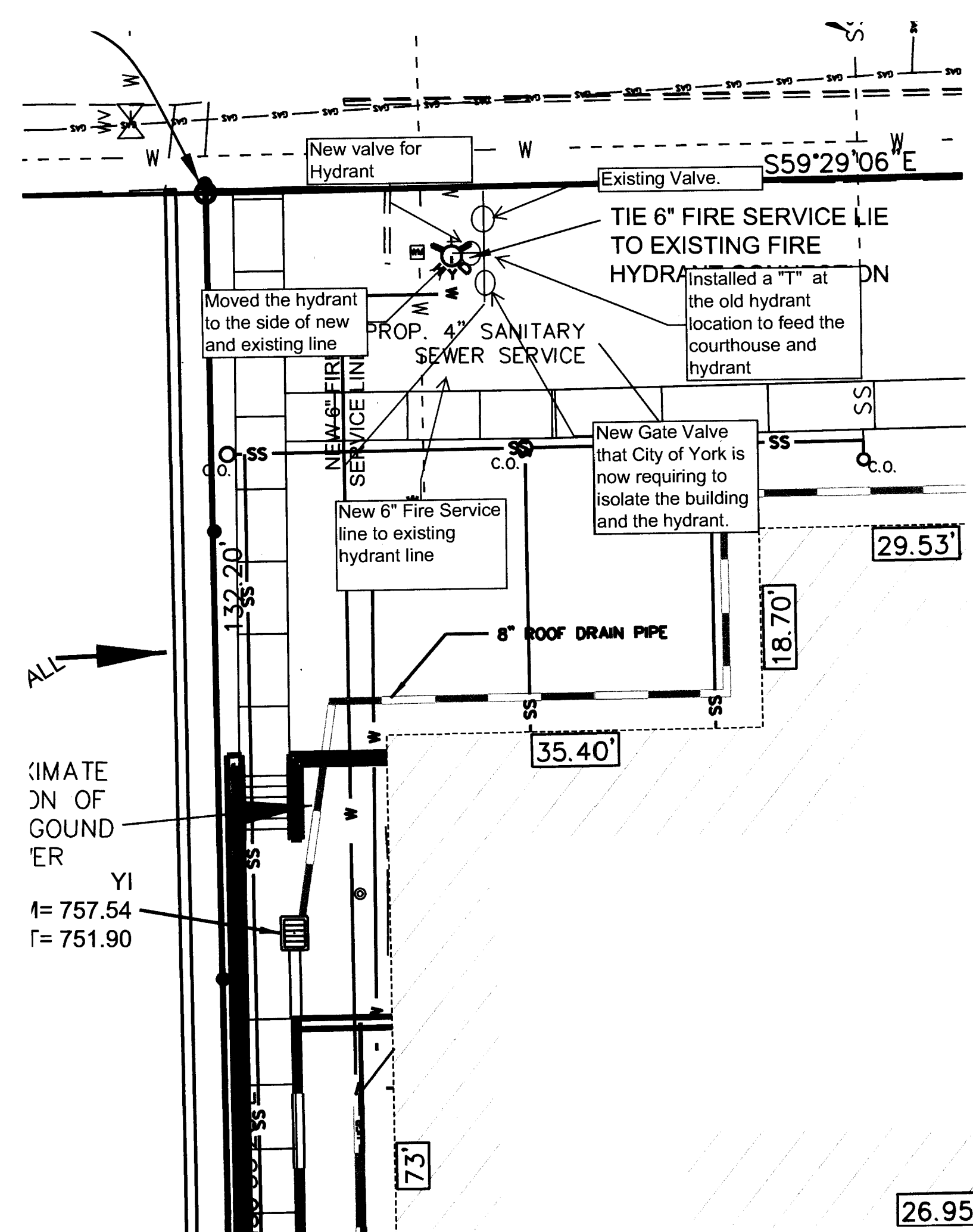
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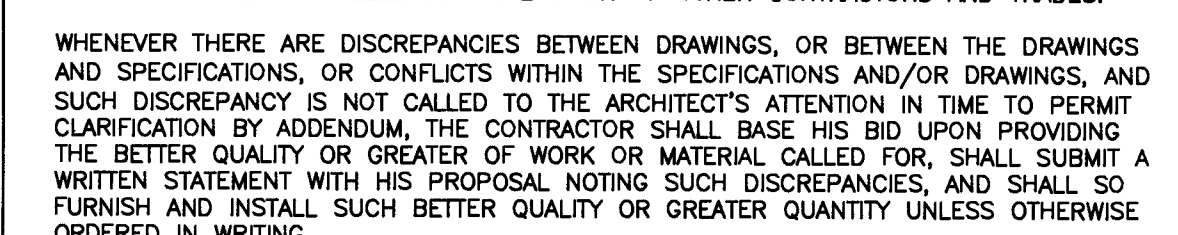
SCALE
1"=20'

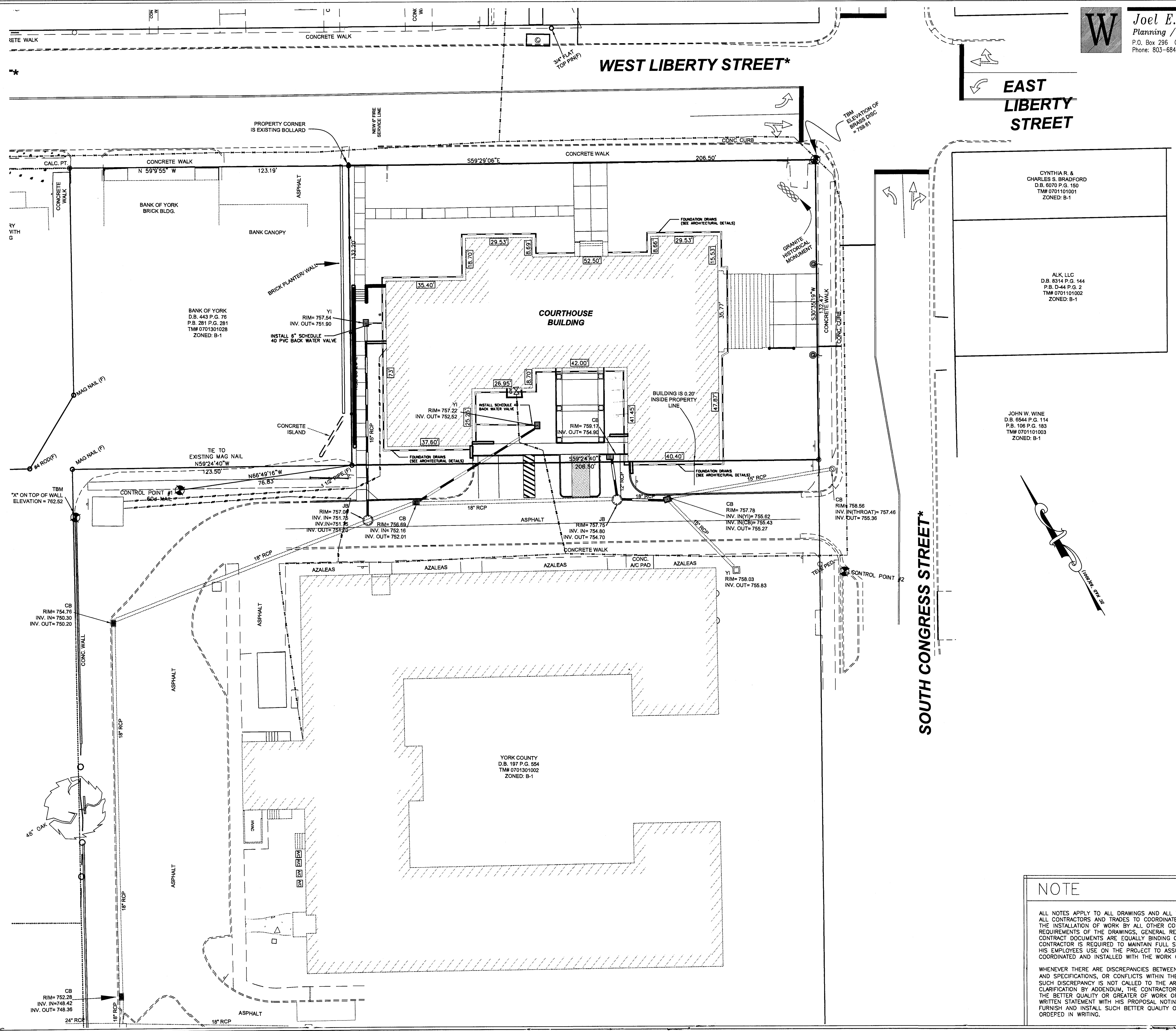
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SOUTH CAROLINA

REVISIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
UNDERDRAIN LOCATIONS

sheet
2.05
SCALE
1"=20'

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DATA SOURCES:

BOUNDARY: BOUNDARY DATA TAKEN FROM PLAT OF
PROPERTY SURVEYED FOR TENDER HEARTS GIRLS HOME INC.
3Y JOHN QUINN HALL DATED 11-26-2011.

PROPERTY OWNERS: YORK COUNTY TAX RECORDS

PROPERTY ZONING: YORK COUNTY PLANNING &
DEVELOPMENT SERVICES

PROPERTY USE: YORK COUNTY TAX RECORDS,
& VISUAL INSPECTION

TOPOGRAPHY: YORK COUNTY GIS

FLOOD HAZARD: LOCATED IN FLOOD HAZARD AREA TO THE
EXTENT SHOWN. FEMA COMMUNITY PANEL #
45091C0163E DATED 9/26/2008.

GENERAL NOTES:

DEVELOPER: (SAME AS OWNER)

PROPERTY OWNER: YORK COUNTY
PO BOX 66
YORK, SC 29745
PHONE NUMBER: (803) 684-8571
DEED BOOK: UNABLE TO LOCATE
PLAT BOOK 8, PAGE 4

PERSON RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING
STORMWATER MANAGEMENT & SEDIMENT REDUCTION PLAN:
(SAME AS DEVELOPER)

TAX PARCEL NUMBER: 070-13-01-001

ZONING DISTRICT: B1 - CENTRAL BUSINESS

EXISTING STRUCTURES: (SEE PLAN)

PROPOSED STRUCTURES: (SEE PLAN)

EASEMENTS: (SEE PLAN)

RIGHTS-OF-WAY: (SEE PLAN)

DRAINAGE WAYS: (SEE PLAN)

FLOODWAYS: (SEE PLAN)

WETLANDS: PROJECT WILL COMPLY WITH ALL LOCAL, STATE,
AND FEDERAL REGULATIONS REGARDING PRESER-
VATION OF WETLANDS.

HISTORIC DISTRICT: SITE IS LOCATED IN A HIST. DIST.

FIRE DISTRICT: CITY OF YORK

SIGNAGE: N/A

ROAD IMPROVEMENTS: NO ROAD IMPROVEMENTS PROPOSED

ON SITE WASTE DISPOSAL: NO WASTE TO BE BURIED ON SITE

CONSTRUCTION TO BEGIN APPROXIMATELY AS PER THE
FOLLOWING SCHEDULE:

BEGIN: 8/1/2015
END: 8/1/2016

CONSTRUCTION SEQUENCE

1. RECEIVE NPDES COVERAGE FROM DHEC.
2. CONTACT THE SEDIMENT AND EROSION CONTROL INSPECTOR AT
803-684-8571 TO SET UP A PRELIMINARY CONSTRUCTION MEETING 48 HOURS
PRIOR TO STARTING WORK.
3. INSTALLATION OF CONSTRUCTION ENTRANCE(S).
5. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF
PERIMETER CONTROLS.
8. INSTALLATION OF PERIMETER CONTROLS (E.G., SILT FENCE).
7. CLEARING & GRUBBING ONLY IN AREAS OF BASINS/TRAPS/PONDS.
6. INSTALLATION OF BASINS/TRAPS/PONDS AND INSTALLATION OF
DIVERSIONS TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE
COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING
TO NEXT STEP. AREAS DRAINING TO THESE STRUCTURES CAN NOT BE
DISTURBED UNTIL THE STRUCTURES AND DIVERSIONS TO THE STRUCTURES
ARE COMPLETELY INSTALLED).
9. CLEARING & GRUBBING OF SITE DEMOLITION (SEDIMENT & EROSION
CONTROL MEASURES FOR THESE MUST ALREADY BE INSTALLED).
10. ROUGH GRADING.
11. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET
PROTECTION AS EACH INLET IS INSTALLED.
12. FINE GRADING, PAVING, ETC.
13. PERMANENT/FINAL STABILIZATION.
14. CLEAN-OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT
CONTROL STRUCTURES AND RE-GRADING OF DETENTION POND BOTTOMS; IF
NECESSARY, MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO
DETENTION BASIN OUTLET STRUCTURE.
15. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES
AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE
DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR
HAVE THE SWPPP PREPARED OR REGISTRATION EQUIVALENT APPROVE THE
REMOVAL OF TEMPORARY STRUCTURES).
16. PERFORM AS-BUILT SURVEYS OF ALL DETENTION STRUCTURES AND
SUBMIT TO DHEC OR MSA FOR ACCEPTANCE.
17. SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE.

PROPERTY DATA:

LOT FRONTAGE: ☒ ARTERIAL ROAD

- ☐ MAJOR STREET
☐ MINOR STREET

LOT TYPE: ☒ CORNER LOT

- ☐ MAJOR SIDE STREET
☐ MINOR SIDE STREET
☐ DOUBLE FRONTAGE
☐ MAJOR REAR STREET
☐ MINOR REAR STREET

UTILITIES:

ALL UTILITY SERVICES SHALL BE PLACED UNDERGROUND OR
ACCESSED FROM THE REAR PROPERTY LINE. NO NEW ABOVE
GROUND SERVICE MAY BE PLACED WITHIN THE ROAD RIGHT-
OF-WAY OR IN FRONT OF THE PROPOSED DEVELOPMENT(2).

WATER: CITY OF YORK
SEWER: CITY OF YORK
ELECTRICITY: DUKE
NATURAL GAS: YORK COUNTY NATURAL GAS AUTHORITY; 803-222-7218
TELEPHONE: COMPORIUM
CABLE TV: COMPORIUM

EROSION CONTROL NOTES

1. THE APPROVED SWPPP PLANS MUST BE AVAILABLE AT THE SITE.
2. THE APPROVED PLANS REMAIN VALID FOR 5 YEARS FROM DATE OF APPROVAL.
3. ALL FEDERAL AND STATE PERMITS REGARDING WETLANDS MANAGEMENT MUST BE OBTAINED PRIOR TO ANY
IMPLEMENTATION OF STORMWATER MANAGEMENT & SEDIMENT CONTROL PLANS.
4. ALL STORMWATER DETENTION STRUCTURES ARE TO BE PRIVATELY MAINTAINED.
5. THE DEVELOPER ENGAGED IN OR CONDUCTING THE LAND-DISTURBING ACTIVITY SHALL BE RESPONSIBLE FOR
INSTALLING AND MAINTAINING ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND
FACILITIES DURING THE DEVELOPMENT OF A SITE AS REQUIRED BY THE APPROVED PLAN OR ANY PROVISION OF THE
PERMIT. OPERATIONS AND MAINTENANCE CONDITIONS SHALL BE INCLUDED IN THE PLAN OUTLINING HOW THE
DEVELOPER INTENDS TO PROVIDE FOR OPERATIONS AND MAINTENANCE DURING CONSTRUCTION.
6. BEGIN INSTALLATION OF INTERIM EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT MEASURES
WITHIN 48 HOURS OF COMMENCEMENT OF LAND DISTURBING ACTIVITIES.
7. CONTROL STRUCTURES INDICATED ON THE PLANS ARE TO BE INSTALLED PRIOR TO ANY DIGGING OR DISRUPTION OF
VEGETATION. CONTRACTOR SHALL MAINTAIN ALL ROADSIDE DITCHES AND STORM DRAINAGE STRUCTURES FREE OF
SEDIMENT.
8. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL
COMPLETION OF ALL ACTIVITIES & ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES
MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION.
CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN A SATISFACTORY MANNER THROUGH
PERIODIC MAINTENANCE OR BY THE CONTROL STRUCTURES WHEN NECESSARY.
9. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE EVERY (14) DAYS AND WITHIN
24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER. IF THE SITE
INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE
PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT.
10. CONSTRUCTION EASEMENTS SHALL NOT BE CLEARED UNLESS ABSOLUTELY NECESSARY.
11. ALL REASONABLE EFFORTS SHOULD BE MADE TO MAINTAIN A NATURAL BUFFER (UNDISTURBED VEGETATION)
BETWEEN CONSTRUCTION AREAS, STREAMS, AND OTHER SENSITIVE AREAS. CONSTRUCT AND MAINTAIN
DIVERSION DITCHES ON THE STREAM SIDE OF CONSTRUCTION. WHEN CLEANING SEDIMENT FROM THE
DIVERSION DITCHES, DEPOSIT THE EXCAVATED MATERIAL ON THE UPHILL SIDE OF THE DITCH OR IN AN AREA
WHICH EMPTIES TO A SEDIMENT TRAP OR BASIN.
12. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO
PROTECT WORK AREAS FROM RUNOFF AND/OR SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR
STABLE OUTLETS.
13. SEDIMENT: ADDITIONAL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED IF
NECESSARY TO CONTAIN ANY SEDIMENT FLOW FROM THE CONSTRUCTION SITE.
14. IF NECESSARY, SLOPES WHICH EXCEED A VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE
MATS, IN ADDITION TO HYDROSEEDING. INSTALL TEMPORARY SLOPE DRAINS DURING, IF
NEEDED. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL THE SLOPE IS BROUGHT TO GRADE.
15. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION
DURING UTILITY CONSTRUCTION. ALL AREAS SHALL BE CLEANED GRADED & STABILIZED WITH
GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
16. ALL RIP-RAP IS TO BE INSTALLED PRIOR TO CONSTRUCTION EXCEPT IN LOCATIONS WHERE THE LINE ACTUALLY
CROSSES PROPOSED RIP-RAP AREAS.
17. USE RIP-RAP WHERE REQUIRED ON ANY DISTURBED STREAM BANKS UNLESS RESTRICTED BY PERMITTING.
CONTRACTOR SHALL PLAN WORK SO THAT STOCKPILES OF EXCAVATED MATERIAL ARE NOT SUBJECT TO WASHING
INTO ANY STREAM OR DRAINAGE STRUCTURE.
18. STORM DRAIN STRUCTURES SHALL HAVE INLET PROTECTION AND SHALL BE REQUIRED THROUGHOUT CONSTRUCTION
TO PREVENT SILTATION OF PIPES.
19. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S)
FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL REMOVE MUD/SOIL
FROM PAVEMENT, AS MAY BE REQUIRED.
20. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED BEFORE BEING PUMPED OUT OF
THE CONSTRUCTION AREA TO REMOVE ANY SEDIMENTS.
21. UPON GRADING AREAS TO FINAL ELEVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND
LEGAL DISPOSAL OF ALL WASTE MATERIALS FROM THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE THAT
THE DISPOSAL METHODS UTILIZED SHALL NOT CONTRIBUTE TO ACCELERATION OF EROSION OR SEDIMENT DAMAGE
TO OFF-SITE WASTE AREAS. THERE WILL BE NO BURIAL ON-SITE OF SITE WASTE.
22. ALL AREAS NOT TO BE COVERED WITH A "HARD SURFACE" ARE TO BE GRASSED IN ACCORDANCE WITH THE
APPROVED EROSION AND SEDIMENT CONTROL PLAN.
23. ONCE GROUND COVER IS FIRMLY ESTABLISHED, ALL TEMPORARY EROSION CONTROL STRUCTURES ARE TO BE
REMOVED.
24. THE RESPONSIBILITY FOR MAINTAINING ALL PERMANENT EROSION AND SEDIMENT CONTROL MEASURES AND
FACILITIES AFTER SITE LAND DISTURBING ACTIVITY IS COMPLETE SHALL LIE WITHIN THE LANDOWNER OR
PERSON IN POSSESSION OR CONTROL. EXCEPT FACILITIES AND MEASURES INSTALLED WITHIN ROAD OR STREET
RIGHT-OF-WAYS OR EASEMENTS ACCEPTED FOR MAINTENANCE BY THE GOVERNING MUNICIPALITY.
25. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR
INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL OWNERS SHALL FOLLOW THESE PLANS DURING
CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN MEETING SECTION R.72-307 OF THE STORMWATER MANAGEMENT
AND SEDIMENT REDUCTION ACT.

NOTES FOR DEVELOPMENT OF INDIVIDUAL LOTS

RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL
AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS
DURING LOT CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN MEETING SECTION R.72-307 OF THE
STORMWATER MANAGEMENT & SEDIMENT REDUCTION ACT REQUIREMENTS.

- A) A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED.
- B) TEMPORARY SILT FENCE SHALL BE INSTALLED AS REQUIRED TO CONTAIN SEDIMENT
ON THE LOT BEING DEVELOPED.
- C) SEE LOT EROSION CONTROL DETAIL PROVIDED IN THE DETAIL SHEETS OF THESE
PLANS.

TOPSOIL

TOPSOIL TO BE REMOVED AND STOCKPILED, THEN SPREAD OVER AREAS TO BE PERMANENTLY SEEDED.
SILT FENCE TO BE INSTALLED DOWN SLOPE AT TOPSOIL STOCKPILE.

STABILIZATION TIMING REQUIREMENTS

STABILIZATION MEASUREMENTS SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTION OF THE
SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. BUT IN NO
CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS
TEMPORARILY OR PERMANENTLY CEASED. EXCEPT WHERE STATED BELOW.

- A. WHERE THE STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITIES
TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR FROZEN GROUND
CONDITIONS, STABILIZATION MEASUREMENTS SHALL BE INITIATED AS SOON AS POSSIBLE.
- B. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE IS TEMPORARILY
CEASED, AND EARTH DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY
STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE
- C. ALL SEDIMENT & CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE EVERY 14 CALENDAR
DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER. IF SITE
INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY,
MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE
AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.

STABILIZATION REQUIREMENTS

FERTILIZER - APPLY A MINIMUM OF 1,000 POUNDS PER ACRE OF
A COMPLETE 16-10-10 FERTILIZER (23 POUNDS PER 1,000
SQUARE FEET) OR EQUIVALENT DURING PERMANENT SEEDING
OF GRASSES UNLESS A SOIL TEST INDICATES A DIFFERENT
REQUIREMENT. APPLY A MINIMUM OF 500 POUNDS PER ACRE OF
10-10-10 FERTILIZER (11.5 POUNDS PER 1,000 SQUARE FEET) OR
EQUIVALENT DURING TEMPORARY SEEDING UNLESS A SOIL TEST
INDICATES A DIFFERENT REQUIREMENT. INCORPORATE
FERTILIZER AND LIME (IF USED) INTO TOPSOIL TO A DEPTH OF 4-6 INCHES OF THE
SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW.
DO NOT MIX THE LIME AND FERTILIZER PRIOR TO THE FIELD
APPLICATION.

THE MOST COMMONLY ACCEPTED MULCH USED IN
CONJUNCTION WITH PERMANENT SEEDING IS SMALL GRASS
STRAW. SELECT STRAW THAT IS DRY AND FREE FROM MOLD
DAMAGE AND NOXIOUS WEEDS. THE STRAW MAY NEED TO BE
ANCHORED WITH NETTING OR ASPHALT EMULSIONS TO
PREVENT IT FROM BEING BLOWN OR WASHED AWAY. APPLY
STRAW MULCH BY HAND OR MACHINE AT THE RATE OF 2 TONS
PER ACRE (80 POUNDS PER 1,000 SQUARE FEET). FREQUENT
INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS
FOR GROWTH ARE GOOD.

LIME - LIME IS NOT REQUIRED FOR TEMPORARY SEEDING
UNLESS A SOIL TEST SHOWS THE SOIL pH IS BELOW 5.0. IT MAY
BE DESIRABLE TO APPLY LIME DURING THE TEMPORARY
SEEDING OPERATION TO BENEFIT THE LONG-TERM PERMANENT
SEEDING. APPLY A MINIMUM OF 1.5 TONS OF LIME/ACRE (70
POUNDS PER 1,000 SQUARE FEET) IF IT IS TO BE USED. UNLESS A
SPECIFIC SOIL TEST HAS BEEN OBTAINED, APPLY 1.5 TONS OF
GROUND SOURCE TEXTURED AGRICULTURAL LIME PER ACRE (70
POUNDS PER 1,000 SQUARE FEET) FOR PERMANENT SEEDING.

SEEDING - LOOSEN THE SURFACE OF THE SOIL JUST BEFORE
BROADCASTING THE SEED. EVENLY APPLY SEED BY THE MOST
CONVENIENT METHOD AVAILABLE FOR THE TYPE OF SEED
APPLIED AND THE LOCATION OF THE SEEDING. TYPICAL
APPLICATION METHODS INCLUDE BUT ARE NOT LIMITED TO
CYCLONE SEEDERS, DROP SPREADERS, BROADCAST
SPREADERS, HAND SPREADERS, CULTIPACKER SEEDER, AND
HYDRO-SEEDERS. COVER APPLIED SEED BY RAKING OR
DRAGGING A CHAIN OR BRUSH MAT, AND THEN LIGHTLY FIRM
THE AREA WITH A ROLLER OR CULTIPACKER. DO NOT ROLL SEED
THAT IS APPLIED WITH A HYDRO-SEEDER AND HYDRO-MULCH.

IRRIGATION - KEEP PERMANENT SEEDED AREAS ADEQUATELY
MOIST. IRRIGATE THE SEEDED AREA IF NORMAL RAINFALL IS NOT
ADEQUATE FOR THE GERMINATION AND GROWTH OF SEEDLINGS.
WATER SEEDED AREAS AT CONTROLLED RATES THAT ARE LESS
THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO
PREVENT RUNOFF. RUNOFF OF IRRIGATION WATER WASTES
WATER AND CAN CAUSE EROSION.

RE-SEEDING - RE-SEED AREAS WHERE SEEDING DOES NOT
GROW QUICKLY, THICK ENOUGH, OR ADEQUATELY TO PREVENT
EROSION. INSPECT SEEDED AREAS FOR FAILURE. MAKE
NECESSARY REPAIRS AND RE-SEED OR OVERSEED WITH THE
SAME GROWING SEASON IF POSSIBLE. IF THE GRASS COVER IS
SPARSE OR PATCHY, RE-EVALUATE THE CHOICE OF GRASS AND
LIMB/VEGETATION OF LIME AND FERTILIZER. APPLY FINAL
STABILIZATION BY PERMANENT SEEDING REQUIRES THAT IT BE
COVERED BY A 70% COVERAGE RATE.

INSPECTION & MAINTENANCE - INSPECT EVERY 7 CALENDAR
DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT
PRODUCES 1/2 INCH OR MORE OF PRECIPITATION. INSPECTIONS
SHOULD VERIFY THAT CONDITIONS FOR GROWTH ARE GOOD.

SITE DEVELOPEMENT NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR
SHALL CONTACT PUPS AT (888) 721-7877 BEFORE DIGGING AS REQUIRED
BY LAW.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND SHALL COMPLY WITH ALL LOCAL
STATE AND FEDERAL LAWS AND GUIDELINES.
3. TRAFFIC CONTROL SHALL COMPLY WITH THE "UNIFORM TRAFFIC CONTROL MANUAL" AND ALL SPECIFIC
REQUIREMENTS ESTABLISHED IN ENCROACHMENT PERMITS.
4. THE CONTRACTOR SHALL KEEP COPIES OF ALL APPROVED PLANS AND PERMITS AVAILABLE AT THE SITE
AT ALL TIMES.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS AT ALL TIE-IN POINTS FOR
GRADING, DRIVEWAYS AND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
IF DISCREPANCIES OR CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER
PRIOR TO PROCEEDING WITH CONSTRUCTION.
6. ANY DEVIATION FROM THE APPROVED PLANS WITHOUT WRITTEN VERIFICATION IS AT THE SOLE RISK OF
THE CONTRACTOR.
7. ALL PARKING SPACES SHALL HAVE WHEEL STOPS OR CONCRETE CURB AND GUTTER.
8. ALL STRIPING SHALL BE MINIMUM 4" WIDE LINES PAINTED WITH AN APPROVED TRAFFIC TYPE PAINT.
9. SIGNAGE FOR THE SITE WILL BE PERMITTED SEPARATELY.
10. THE SITE WILL NOT BE UTILIZED AT NIGHT. (LIGHTING WILL BE PERMITTED SEPARATELY BY THE ARCHITECT OR
LIGHTING CONSULTANT. EQUIPMENT FOR LIGHTING PARKING FACILITIES WILL BE ARRANGED SO THAT LIGHT
DOES NOT INTERFERE WITH TRAFFIC, IS SHIELDED OR DIRECTED AWAY FROM ADJOINING RESIDENCES, AND
PRODUCES NO GLARE ACROSS RESIDENTIAL PROPERTY BOUNDARIES.)
11. THERE SHALL BE NO ON-SITE DISPOSAL OF DEBRIS, CELLULOSE MATERIAL, OR OTHER WASTE.
12. THIS PROJECT WILL NOT BE IMPACTED BY LONG RANGE ROAD PLANS.
12. AREAS ADJACENT TO CURB CUTS SHALL BE LANDSCAPED OR HAVE CURBING INSTALLED TO CONTROL
VEHICLES AND PEDESTRIAN ACCESS.
13. ALL UTILITY SERVICES SHALL BE PLACED UNDERGROUND OR ACCESSED FROM REAR PROPERTY LINES.
14. LOADING DOCKS AND DUMPSTERS WILL BE SCREENED FROM PERPENDICULAR VIEW OF ARTERIAL TRAFFIC
FLOW.
15. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL THE PROPOSED DEVELOPMENT IS IN COMPLIANCE
WITH THE APPROV PLAN.
16. ADDITIONAL INFORMATION WILL BE REQUIRED FOR YORK COUNTY BUILDING AND CODES ON HANDICAP
PARKING.
17. THE SITE IS SUBJECT TO THE CITY OF YORK TREE ORDINANCE. (SEE LANDSCAPE NOTES FOR ADDITIONAL
INFORMATION.)
18. ALL TREES WILL BE PLANTED IN ACCORDANCE WITH THE TREE ORDINANCE AND SHALL MEET THE AMERICAN
STANDARD FOR NURSERY STOCK (ANSI, 1990, PART I).
19. ALL TREES ARE TO BE NURSERY GROWN, BURLAP AND BALL (B&B) PREFERRED. MINIMUM TREE SIZE IS 2 INCH
CALIPER (MEASURED 6" ABOVE ROOT BALL), 8' MINIMUM HEIGHT FOR SINGLE STEM.
20. ALL TREES ARE TO BE NURSERY GROWN, BURLAP AND BALL (B&B) PREFERRED. MINIMUM TREE SIZE IS 8 FEET
IN HEIGHT, WITH A MAXIMUM OF THREE TO FIVE STEMS OR TRUNKS.
21. PLANTING SHALL MEET STANDARD PLANTING DETAILS (TREE ORDINANCE GUIDELINES APPENDIX). EACH TREE
SHALL BE ADEQUATELY WATERED AND MULCHED. STAKING AND GUYING ARE OPTIONAL; TRUNK WRAP CAN BE
USED BUT IS NOT ENCOURAGED. NO EXPOSED WIRES SHALL DIRECTLY TOUCH TREE TRUNK OR BRANCHES.
22. THE MAINTENANCE OF REQUIRED BUFFERYARDS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
ALL SUCH YARDS WILL BE PROPERLY MAINTAINED SO AS TO ASSURE CONTINUED BUFFERING. DEAD TREES
WILL BE REMOVED; DEBRIS AND LITTER WILL BE CLEANED; AND FENCES WILL BE MAINTAINED AT ALL TIMES.
FAILURE TO DO SO IS A VIOLATION OF THIS CHAPTER AND MAY BE REMEDIED BY THE ZONING ADMINISTRATOR
IN THE MANNER PRESCRIBED FOR OTHER VIOLATIONS.
23. PROPERTY OWNERS MUST FOLLOW A ROUTINE SCHEDULE OF WATERING, FERTILIZATION, PEST CONTROL
AND PRUNING. PERIODICALLY AFTER THE DATE OF ORIGINAL APPROVAL OF THE DEVELOPMENT THE SITE
SHALL BE RE-INSPECTED FOR CONTINUED COMPLIANCE WITH THE ORIGINAL REQUIREMENTS OF THIS
CHAPTER. TREES, WHICH ARE DETERMINED TO BE DEAD, DISEASED, DAMAGED OR MALNOURISHED
ACCORDING TO GUIDELINE A, SHALL BE CORRECTED.
24. TREES THAT DIE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE TO THESE SPECIFICATIONS SHALL BE
REMOVED AND REPLACED BY THE OWNER WITH A NEW TREE PLANTER PER MITIGATION TREE CHART IN THE
TREE ORDINANCE GUIDELINES AND AS DIRECTED BY THE APPROPRIATE AUTHORITY.
25. THE TYPE OF OPEN SPACE PROVIDED IS IN BUFFER YARD. OPEN SPACE WILL BE OWNED, MAINTAINED, AND
ADMINISTERED BY THE PROPERTY OWNER.
26. LAND DESIGNATED AS COMMON OPEN SPACE MAY NOT BE SEPARATELY SOLD OR DEVELOPED. OPEN SPACE
AREAS SHALL BE MAINTAINED SO THAT THEIR USE AND ENJOYMENT AS OPEN SPACE ARE NOT DIMINISHED OR
DESTROYED.

MULCHING - COVER ALL SEEDED AREAS WITH MULCH
IMMEDIATELY UPON COMPLETION OF THE SEEDING.
APPLICATION TO RETAIN SOIL MOISTURE AND REDUCE EROSION
DURING ESTABLISHMENT OF VEGETATION. APPLY THE MULCH
EVENLY, SUCH A MANNER THAT PROVIDES A MINIMUM 75%
COVERAGE. TYPICAL MULCH APPLICATIONS INCLUDE STRAW,
WOOD FIBER, HYDROMULCHES, BFM, AND FGM. USE
HYDROMULCHES WITH A MINIMUM BLEND OF 70% WOOD FIBERS.

THE MOST COMMONLY ACCEPTED MULCH USED IN
CONJUNCTION WITH PERMANENT SEEDING IS SMALL GRASS
STRAW. SELECT STRAW THAT IS DRY AND FREE FROM MOLD
DAMAGE AND NOXIOUS WEEDS. THE STRAW MAY NEED TO BE
ANCHORED WITH NETTING OR ASPHALT EMULSIONS TO
PREVENT IT FROM BEING BLOWN OR WASHED AWAY. APPLY
STRAW MULCH BY HAND OR MACHINE AT THE RATE OF 2 TONS
PER ACRE (80 POUNDS PER 1,000 SQUARE FEET). FREQUENT
INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS
FOR GROWTH ARE GOOD.

MATTING - ECBS ARE USED FOR THE TEMPORARY STABILIZATION
OF SOIL IMMEDIATELY FOLLOWING SEEDING UNTIL THE
VEGETATIVE COVER HAS GROWN AND BECOME ESTABLISHED.
ECBs PROVIDE TEMPORARY PROTECTION BY DEGRADING OVER
TIME. CLASS "A" ECBs SHALL BE USED FOR SLOPE
APPLICATIONS 2H:1V OR FLATTER. CLASS "B" ECBs ARE FOR
CHANNEL APPLICATIONS WITH SHEAR STRESS LESS THAN 1.75
POUNDS PER SQUARE FOOT. TRMs ARE USED WHERE
VEGETATION ALONE WILL NOT HOLD A SLOPE OR STREAMBANK.
TRMs ENABLE THE USE OF SOLUTIONS IN LIEU OF A HARD
LINING. TYPE 1 TRMs SHOULD BE PLACED ON SLOPES 2H:1V OR
FLATTER OR IN CHANNELS WHERE THE CALCULATED SHEAR
STRESS IS 4 POUNDS PER SQUARE FOOT OR LESS AND THE
DESIGN VELOCITY IS UP TO 10 FEET PER SECOND. TYPE 2 TRMs
SHOULD BE USED ON SLOPES 1.5:1V OR FLATTER OR IN
CHANNELS WHERE THE CALCULATED DESIGN SHEAR STRESS IS
6 POUNDS PER SQUARE FOOT OR LESS AND THE DESIGN FLOW
VELOCITY IS UP TO 15 FEET PER SECOND. TYPE 3 TRMs SHOULD
BE USED ON SLOPES 1H:1V OR FLATTER OR IN CHANNELS
WHERE THE CALCULATED DESIGN SHEAR STRESS IS 8 POUNDS
PER SQUARE FOOT OR LESS AND THE DESIGN FLOW VELOCITY
IS UP TO 20 FEET PER SECOND.

MISCELLANEOUS - ESTABLISHED LAWNS AND LANDSCAPED
AREAS DAMAGED
BY CONSTRUCTION SHALL BE RESTORED TO THEIR FORMER
CONDITION.

GROWTH OF RYE GRASS IN EARLY SPRING MUST BE
SUPPRESSED TO PREVENT RYE FROM CHOKING OUT PERMANENT
GRASS SUCH AS BERMUDA, BAHIA, OR FESCUE.

FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH
DAY ARE RECOMMENDED.



SYMBOL LEGEND

	EXISTING FORCE MAIN		TEMP. ROCK SEDIMENT DIKE
	PROPOSED FORCE MAIN		CONSTRUCTION ENTRANCE
	EXISTING SANITARY SEWER		GRAVEL RIP-RAP FILTER BERM
	PROPOSED SANITARY SEWER		INLET PROTECTION
	EXISTING WATER		TEMPORARY ROCK CHECK DAM
	PROPOSED WATER		SANITARY SEWER MANHOLE
	EXISTING CONTOUR HIGH		WATER METER
	EXISTING CONTOUR LOW		WATER VALVE
	PROPOSED CONTOUR LOW		GAS VALVE
	PROPOSED CONTOUR HIGH		WELL
	EXISTING GAS		UTILITY POLE
	PROPOSED GAS		H/C SYMBOL
	PROPOSED UNDERGROUND ELECTRIC		TELEPHONE PEDESTAL
	EXISTING OVERHEAD UTILITY		CURB INLET (CI)
	EXISTING UNDERGROUND UTILITY		AREA BASIN (AB)
	EXISTING STORM DRAIN		YARD INLET (YI)
	PROPOSED STORM DRAIN		STORM DRAIN MANHOLE
	PROPOSED SILT FENCE		HEADWALL
	PROPOSED DOUBLE SILT FENCE		LIGHT POLE
	PROPERTY LINE		SIGN
	RIGHT OF WAY		
	BUFFER YARD		
	SETBACK		
	LIMITS OF DISTURBANCE		
	WETLANDS		
	TREE LINE		
	SHRUBS		
	RAILROAD TRACKS		
	GUARDRAIL		
	EXISTING FENCE		
	PROPOSED FENCE		
	TEMP. DIVERSION BERM		
	TEMP. DIVERSION DITCH		
	PROPOSED FIRE HYDRANT		
	EXISTING FIRE HYDRANT		
	SPOT ELEVATION		

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF
ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH
THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE
REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE
CONTRACT DOCUMENT SHALL BE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES.
THE CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR
HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY
COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS
AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND
SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT
CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING
THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR. THE CONTRACTOR
SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO
FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE
ORDERED IN WRITING.

Project No.

1390

Date

07.10.2015

Drawn

GLM

Checked

JCS

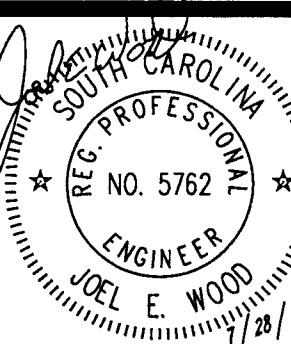
Revisions

ADDENDUM 1

7/28/15

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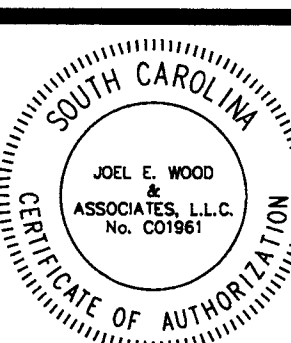
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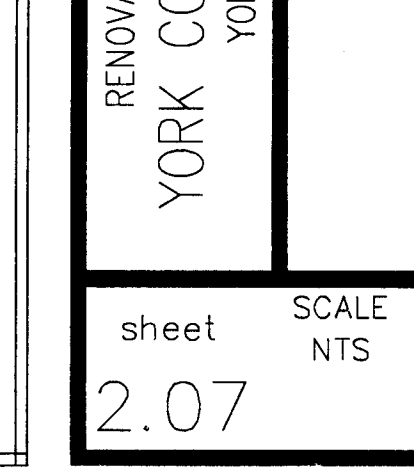
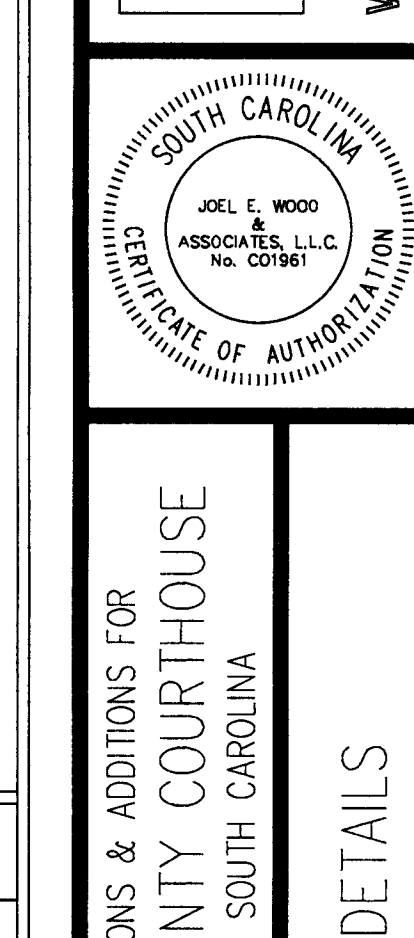
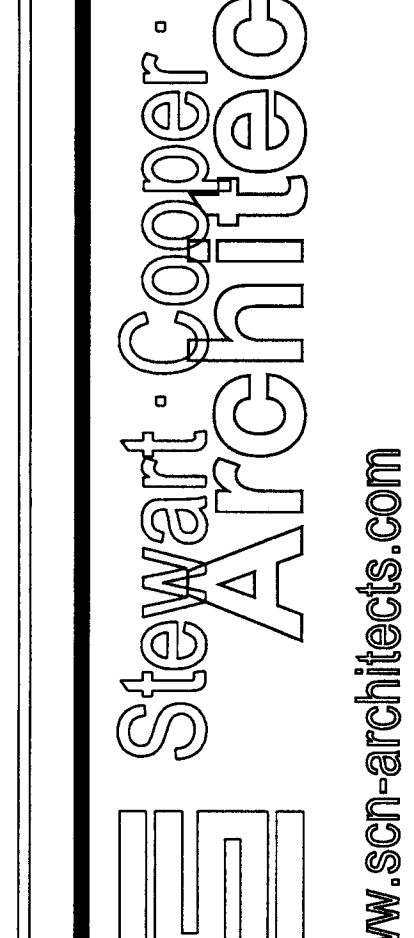
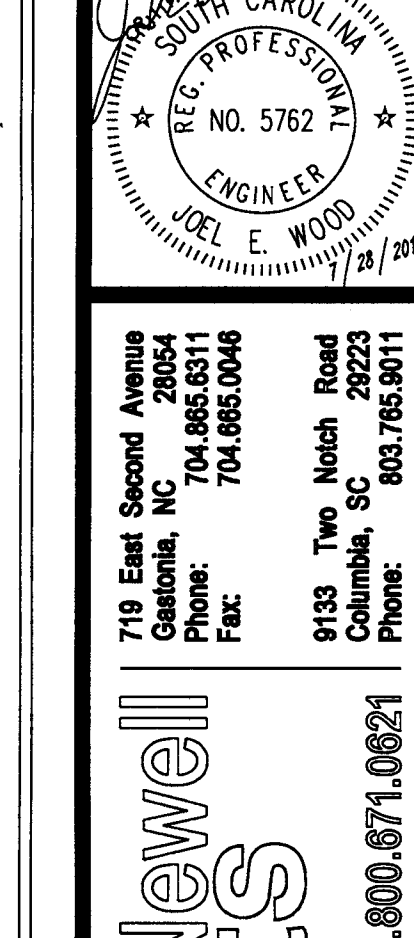
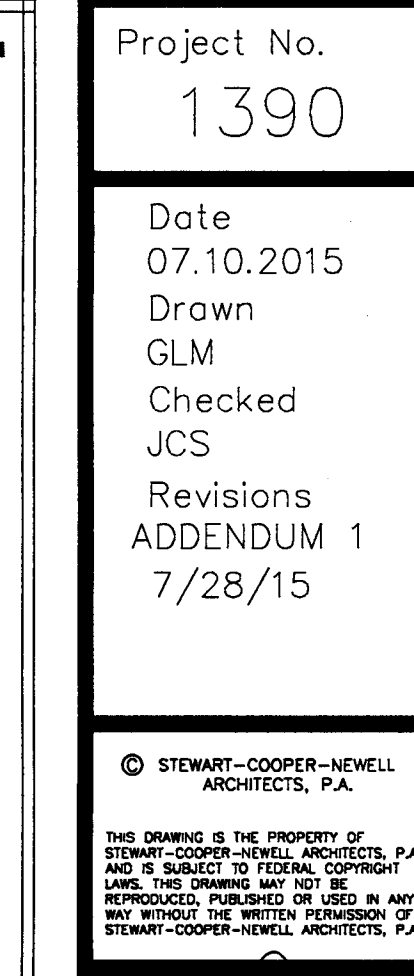


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

NOTES

sheet
2.06

SCALE
NTS



The BMPs described below should be implemented to prevent and control spills in a manner that minimizes or prevents the discharge of spilled material to the drainage system or watercourses. They apply to all construction projects and should be utilized anytime chemicals and/or hazardous substances are stored on site. Substances may include, but are not limited to:

- Soil stabilizers/binders
- Dust palliatives
- Herbicides
- Growth inhibitors
- Fertilizers
- Deicing/anti-icing chemicals
- Fuels
- Lubricants, and distillates
- Other petroleum products

To the extent that the work can be accomplished safely, spills of oil, petroleum products, substances listed under 40 CFR parts 110, 117, and 302, and sanitary and septic wastes should be contained and cleaned up immediately.

Develop and implement a SPCC Plan as part of the SWPPP if appropriate for the construction site involved. The SPCC Plan will identify persons responsible for implementing the plan if a spill of a dangerous or hazardous waste should occur.

If a spill, regardless of size, of a hazardous substance could reach surface waters, DHEC must be notified. When reporting a spill, the following information must be provided:

- Reporting party;
- Material released;
- Concentration of material;
- Contact phone number(s);
- Resource damages (e.g., dead fish);
- Location;
- Responsible party;
- Quantity of spill; and,
- Cleanup status.

Procedures and practices presented in this BMP are general. The site Contractor should identify appropriate practices for the specific materials used or stored on-site.

BMPs

Education

- Educate employees and subcontractors on what a significant spill is for each material they use, and what is appropriate response for significant and insignificant spills.
- Educate employees and subcontractors on potential dangers to humans and the environment from spills and leaks.
- Hold regular meetings to discuss and reinforce appropriate disposal procedures (incorporate into regular safety meetings).
- Provide specific cleanup instructions for different products handled on-site.
- Assign a person to be in charge of cleanup assistance.
- Prepare spill containment and cleanup lists that are easy to find and use.
- Post a summary of the cleanup plan at appropriate locations.

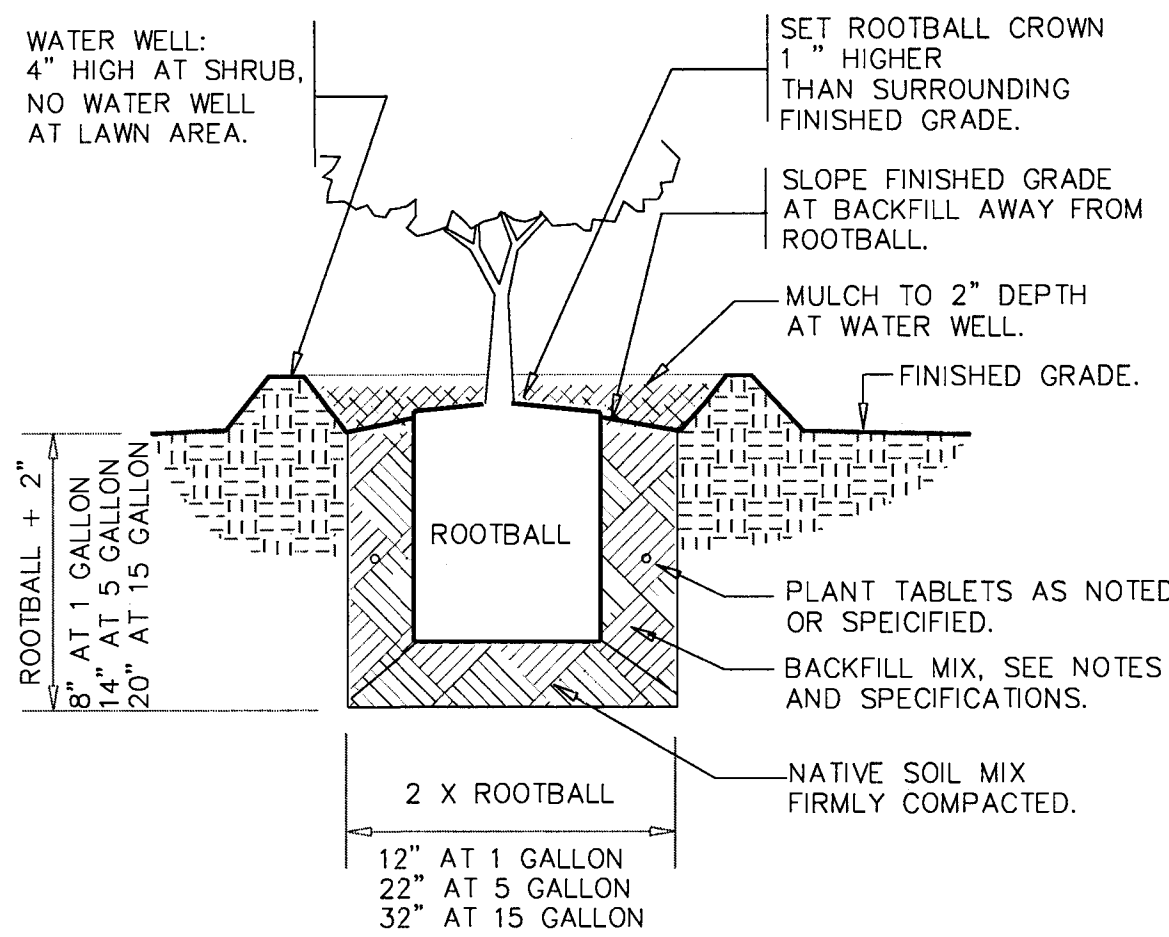
Cleanup and Storage Procedures

- If a spill occurs, demobilize it as soon as possible.
- If there is a chance that the spill could enter a storm drain or sewer, plug the inlet and turn off or divert any incoming water.
- Cover the spill with absorbent material such as kitty litter or sawdust.
- Do not use straw. Dispose of the used absorbent per manufacturer's instructions. If the spill is flammable, dispose of as directed by the local fire marshal.
- Keep the area well ventilated.
- Minor Spills - Minor spills typically involve small quantities of oil, gasoline, paint, etc., which can be controlled by the first responder or the discovery of the spill. Use absorbent materials on small spills rather than hosing down or burying the spill.
- Semi-Significant Spills - Semi-significant spills still can be controlled by the first responder along with the aid of other personnel such as laborers and the foreman, etc. This response may require the cessation of all other activities.
- Contain spills immediately.
- If the spill occurs on paved or impermeable surfaces, clean up using dry methods (absorbent materials, cat litter and/or rags). Contain the spill by encircling with absorbent materials and do not let the spill spread widely.
- If the spill occurs in dirt areas, immediately contain the spill by constructing an earthen dike.
- If the spill occurs during rain, to the extent that it doesn't compromise clean up activities, cover spill with tarps or other material to prevent contaminating runoff.
- Significant/Hazardous Spills - For significant or hazardous spills that cannot be controlled by personnel in the immediate vicinity, the services of a spill contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up the spill until the appropriate and qualified staff has arrived at the job site.
- Spills should not be buried or washed with water.
- Used clean up materials, contaminated materials, and recovered spill material that are no longer suitable for the intended purpose should be stored and disposed of properly.
- Water used for cleaning and decontamination should not be allowed to enter storm drains or watercourses and should be collected and disposed of as described in Liquid Waste Management.
- Proper storage, clean-up and spill reporting instructions for hazardous materials stored or used on the project site should be posted at all times in an open, conspicuous and accessible location.
- Waste storage areas should be kept clean, well organized and equipped with ample clean-up supplies as appropriate for the materials being stored. Perimeter controls, containment structures, covers and liners should be repaired or replaced as needed to maintain proper function.

Inspection and Maintenance

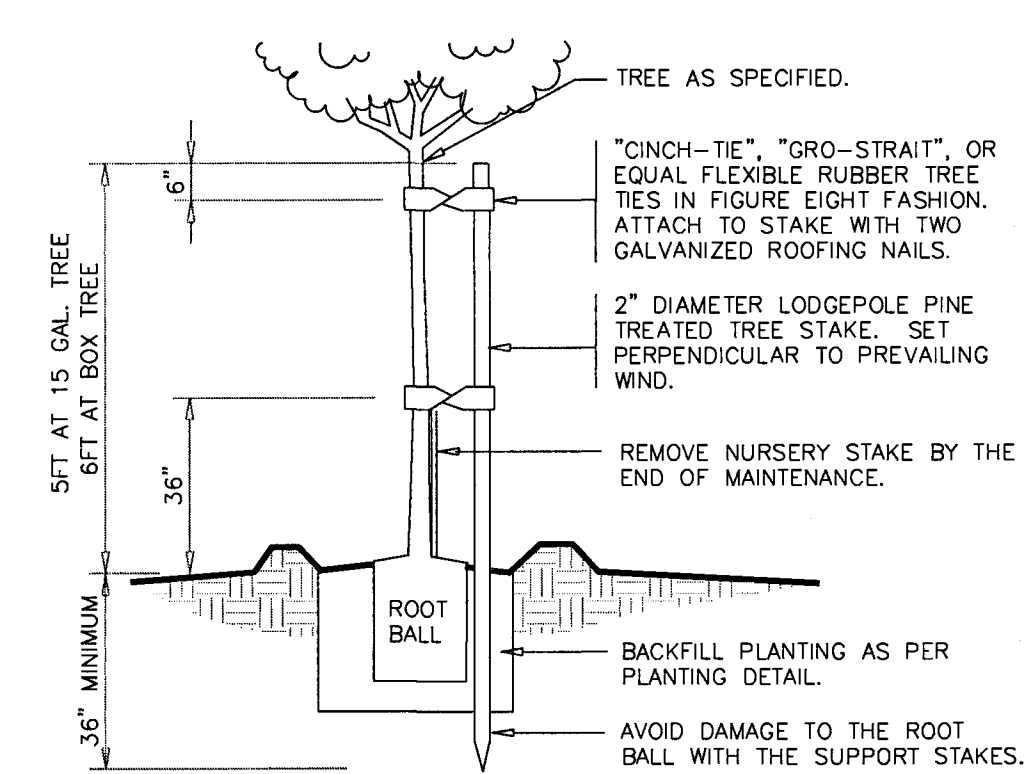
- Verify weekly that spill control clean up materials are located near material storage, unloading and use areas.
- Update SPCC plans and stock appropriate clean-up materials whenever changes occur in the types of chemicals used or stored onsite.

To report chemical spills, oil spills, or fish kills call our toll-free 24-hour emergency response line at 1-888-481-0125

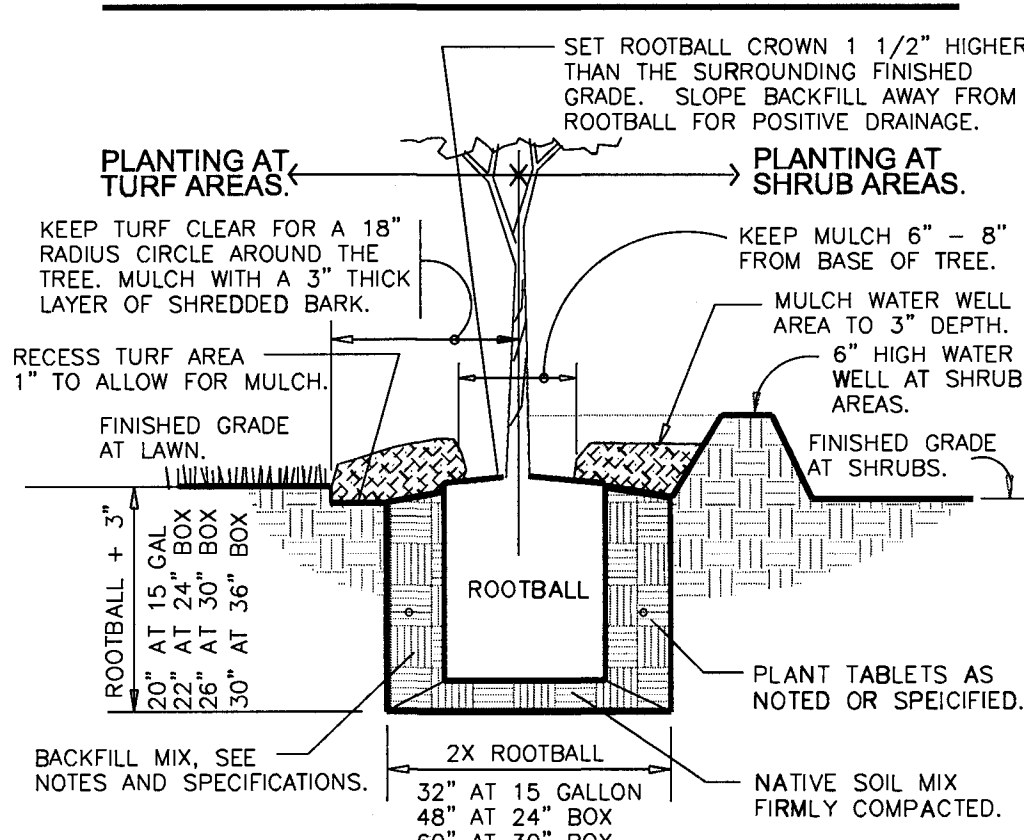


L SHRUB PLANTING

SCALE=NTS



STAKING DETAIL



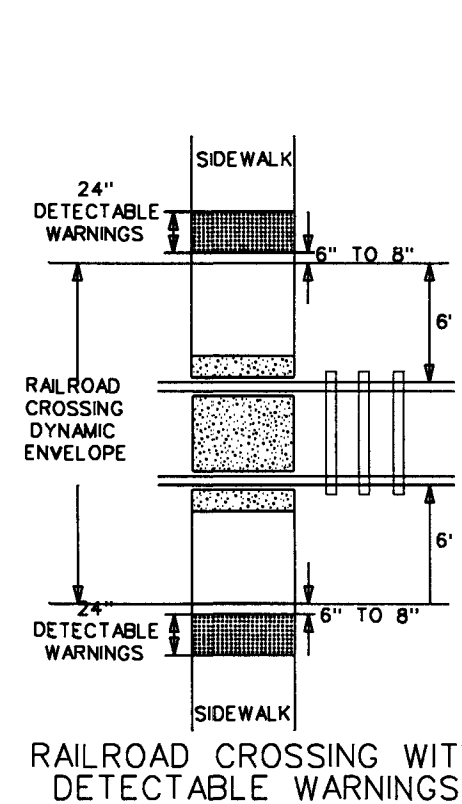
PLANT PIT DETAIL

M TREE SINGLE STAKE PLANTING

SCALE=NTS

NOTES:

1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED AT THE FOLLOWING LOCATIONS:
 - (A) WHERE A SIDEWALK CROSSES A VEHICULAR WAY, EXCLUDING UN-SIGNALIZED DRIVEWAY CROSSINGS.
 - (B) WHERE A RAIL SYSTEM CROSSES A PEDESTRIAN FACILITY THAT IS NOT SHARED WITH VEHICLES.
 - (C) AT ISLANDS AND MEDIANS THAT ARE CUT THROUGH LEVEL WITH THE ROADWAY.
2. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THE EDGE NEAREST THE CURB LINE IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE CURB LINE. THE SURFACE SHALL EXTEND A MINIMUM OF 24" ONTO THE RAMP IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE CURB RAMP.
3. AT RAIL CROSSINGS, THE DETECTABLE WARNING SURFACE SHALL BE 24" DEEP AND FULL WIDTH OF THE SIDEWALK. THE EDGE OF THE SURFACE NEAREST THE RAIL CROSSING IS 6" MINIMUM AND 8" MAXIMUM DISTANCE FROM THE VEHICLE DYNAMIC ENVELOPE (6' FROM THE NEAREST RAIL) UNLESS OTHERWISE NOTED BY THE RAILROAD.
4. DETECTABLE WARNING SURFACES SHALL CONSIST OF AN AREA OF TRUNCATED DOMES ALIGNED IN A SQUARE GRID PATTERN. THE BASE OF THESE DOMES SHALL BE 0.90"-1.40". THE TOP DIAMETER OF DOMES SHALL BE 0.65" ACTUAL BASE DIAMETER. WITH A MINIMUM INDIVIDUAL HEIGHT OF 0.180" AND A MAXIMUM HEIGHT OF 0.249". THE AVERAGE OF TEN (10) INDIVIDUAL NODES PICKED AT RANDOM IN ANY SQUARE FOOT AREA SHALL BE 0.190"-0.249". THE DETECTABLE WARNING DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6-2.4".
5. WHEN DOMES IN ANY ONE FOOT SQUARE AREA WEAR TO AN AVERAGE HEIGHT BELOW 0.15", THE SURFACE IS TO BE REPLACED.
6. FOR ALL DETECTABLE WARNING SURFACES, THE DEPARTMENT'S DEFAULT COLOR IS SAFETY YELLOW (FEDERAL NUMBER 33538) UNLESS A SPECIFIC PROJECT REQUIRES ANOTHER COLOR. WHEN A COLOR OTHER THAN SAFETY YELLOW IS SELECTED FOR A PROJECT, THE COLOR SELECTED WILL CONTRAST EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MANUFACTURER MUST CERTIFY TO THE DEPARTMENT THAT THE COLOR SELECTED MEETS THE CONTRAST SPECIFICATIONS OF THE ADAAG.



RAILROAD CROSSING WITH DETECTABLE WARNINGS



THRU SECTION OF CURB AND SIDEWALK



ISOMETRIC VIEW



CURB RAMP WITH DETECTABLE WARNINGS



REFUGE ISLANDS WITH DETECTABLE WARNINGS



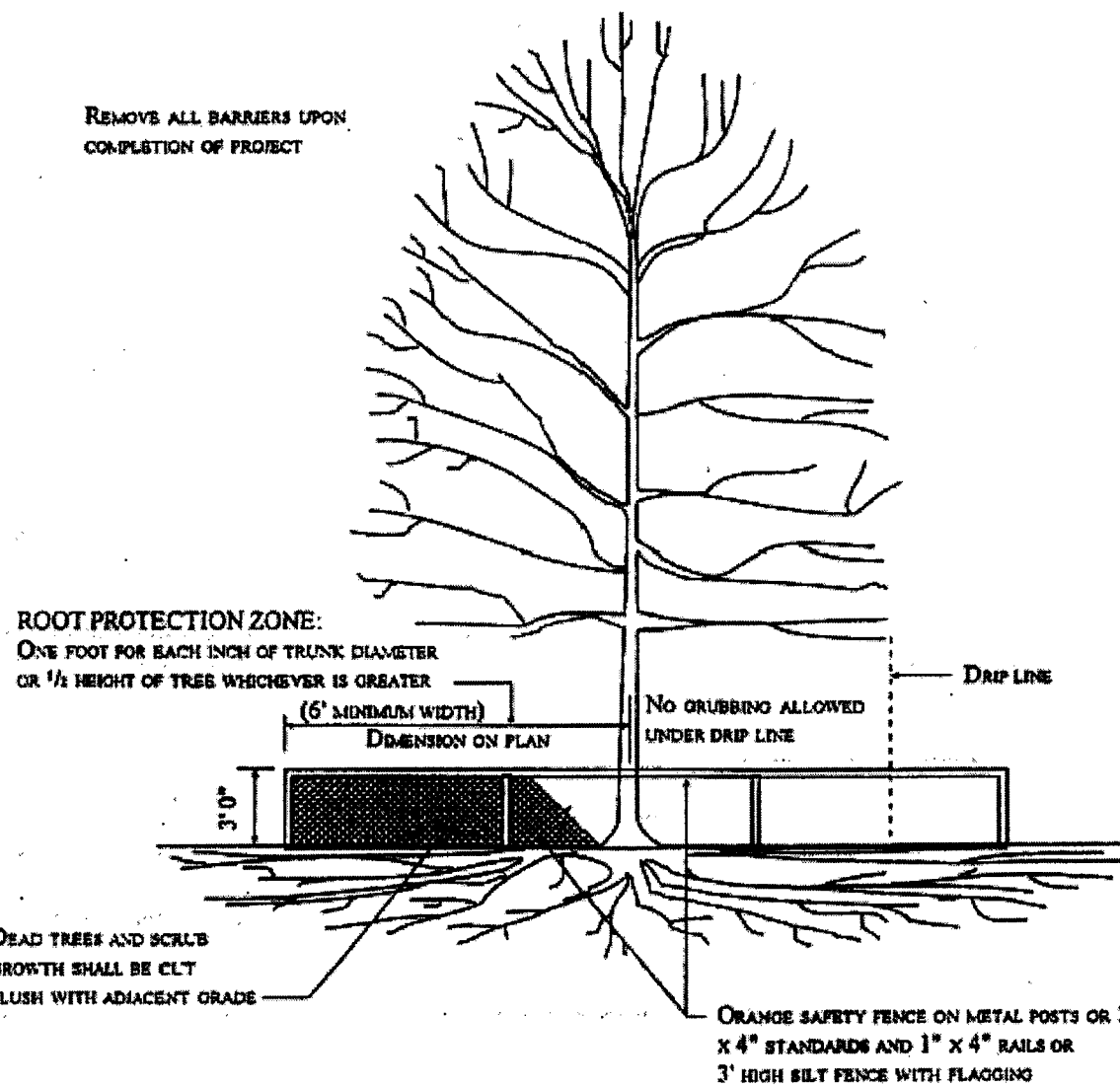
PASSAGE AT STREET LEVEL WITH DETECTABLE WARNINGS



TRANSITION RAMP WITH DETECTABLE WARNINGS

K SPILL PREVENTION NOTES

SCALE=NTS



GENERAL NOTES - TREE PROTECTION:

- 1) NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, TRENCHING, BURIAL PITS OR OTHER LAND DISTURBING ACTIVITY IS ALLOWED IN THE TREE PROTECTION ZONE.
- 2) TREE PROTECTION BARRIERS SHALL EXTEND AROUND THE TREES WITH A RADIUS OF NO LESS THAN ONE FOOT FOR EVERY ONE INCH OF TRUNK DIAMETER OR ONE-HALF THE HEIGHT OF THE TREE (6" MINIMUM WIDTH), WHICHEVER IS GREATER, UNLESS OTHERWISE APPROVED ON AN INDIVIDUAL BASIS BY THE PLANNING AND DEVELOPMENT STAFF.
- 3) ALL TREE PROTECTION BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING, CONSTRUCTION OR OTHER LAND-DISTURBING ACTIVITY. THEY SHALL BE CONSTRUCTED FROM ANY MATERIAL SUBSTANTIAL ENOUGH TO PROTECT THE ROOTS, TRUNK AND CROWN OF THE TREE, SUCH AS ORANGE SAFETY FENCING ON METAL POSTS, WOODEN 2" X 4" STANDARDS WITH 1" X 4" RAILS, OR 3" HIGH SILT FENCE WITH FLAGGING.
- 4) TREE BARRICADES MUST BE INSTALLED BEFORE ANY DEMOLITION, GRADING, OR CONSTRUCTION AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY THE INSPECTOR. CALL 909-7250 OR 1-800-922-7271 FOR INSPECTION OF TREE BARRICADES.
- 5) TREES LOCATED WITHIN THE STREET RIGHT-OF-WAY AND THE TREE PROTECTION ZONE (BUILDING SETBACK WHERE PROPERTY ADJUTS THE PUBLIC RIGHT-OF-WAY) SHALL BE PROTECTED FROM DAMAGE OR REMOVAL PER THE YORK COUNTY TREE ORDINANCE.
- 6) ANY PROPOSED CONSTRUCTION OR GRADING ADJACENT TO TREES OR THEIR ROOT SYSTEM MUST BE APPROVED BY THE APPROPRIATE AUTHORITY. THIS INCLUDES THE FOLLOWING: STORM DRAINAGE, UNDERGROUND UTILITIES, DRIVEWAYS, SIDEWALKS, AND THE LIKE. UTILITIES MAY BE TUNNELED IN THE ROOT ZONE AT A 24" MINIMUM DEPTH IF PLANS HAVE BEEN APPROVED SHOWING THE LOCATION AND METHOD.
- 7) IN SOME CASES, PERMITS MAY BE ISSUED TO ALLOW TEMPORARY (30 DAYS) ACCESS ACROSS THE TREE PROTECTION ZONE. MULCH, 4" TO 6" DEEP, WILL BE REQUIRED TO ACT AS A CUSHION TO PREVENT SOIL COMPACTION. DO NOT STORE MATERIALS OR PARK MACHINERY IN THE PROTECTED ROOT ZONE.
- 8) NO FILL DIRT DEEPER THAN ONE INCH SHALL BE ALLOWED UNDER THE DRIP LINE OF THE TREE. NO GRUBBING IS PERMITTED IN THE PROTECTED ROOT ZONE. STUMPS, DEAD TREES AND ANY SHRUB GROWTH TO BE REMOVED SHALL BE CUT FLUSH OR GROUND OUT.
- 9) DO NOT REMOVE BARRIERS UNTIL FINAL COMPLETION OF PROJECT.
- 10) ROOT PRUNING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. THE CUT SHALL BE MADE NO MORE THAN 6" BEHIND THE BACK OF THE CURB AND TO A DEPTH OF TWO FEET BELOW THE SOIL SURFACE. ROOT PRUNING EQUIPMENT SHALL BE KEPT SHARP TO ENSURE THAT ROOTS ARE CUT CLEANLY AND ARE NOT BROKEN OR TORN BY DULL OR UNSUITABLE EQUIPMENT. ANY EXPOSED ROOTS SHALL BE COVERED WITH SOIL AS SOON AS POSSIBLE TO MINIMIZE EXPOSURE TO AIR.
- 11) PRUNING OF EXISTING TREES SHALL BE DONE ACCORDING TO THE LATEST EDITION OF NATIONAL ARBORIST ASSOCIATION (NAA) STANDARDS IN A MANNER THAT PRESERVES THE NATURAL CHARACTER OF THE CROWN. A PERMIT IS REQUIRED FOR PRUNING TREES IN THE STREET RIGHT-OF-WAY AND TREE PROTECTION ZONE.
- 12) TREES DAMAGED BY CONSTRUCTION SHALL BE FERTILIZED BY THE DRILL HOLE OR DEEP ROOT LIQUID INJECTION METHOD PER NAA STANDARDS.
- 13) TREES THAT DIE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE TO THESE SPECIFICATIONS SHALL BE REMOVED AND REPLACED BY THE OWNER WITH A NEW TREE PLANTED PER MITIGATION TREE CHART IN THE TREE ORDINANCE GUIDELINES AND AS DIRECTED BY THE APPROPRIATE AUTHORITY.

N GRAND TREE PROTECTION DETAIL

SCALE=NTS

O DETECTABLE WARNING SURFACE

SCALE=NTS

Project No.

1390

Date

07.10.2015

Drawn

GLM

Checked

JCS

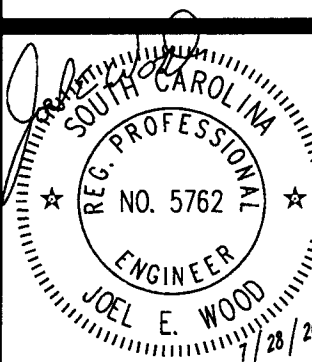
Revisions

ADDENDUM 1

7/28/15

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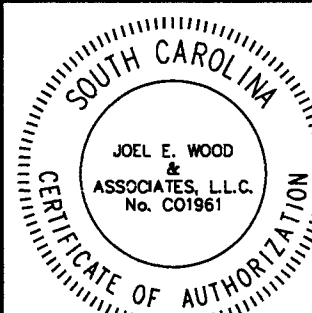
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REVISIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet 2.08
SCALE NTS

LEITNER
CONSTRUCTION CO., INC.

7' 4"

5 1/2" x 8" plate
fastened to L3
w/ 3/4" bolts

10"

Masonry Jack

12" x 18" x 24"

Pierce through on top of
wall below

GENERAL NOTES

STRUCTURAL DESIGN IS BASED ON THE 2012 IBC.

DESIGN LOADS:

IMPORTANCE FACTORS:	WIND	(1/2)	1.00
	SNOW	(1/2)	1.00
	SEISMIC	(1/2)	1.00
LIVE LOADS:	ROOF	20	psf
	UPPER FLOOR	100	psf
	FLOOR	100	psf
SNOW LOAD:		10	psf
WIND LOAD	BASIC WIND SPEED	115	mph (ASCE 7-10)
	EXPOSURE CATEGORY	B	
	WIND BASE SHEARS (FOR MWRFs)	Vx = 10 KIPS	Vy = 10 KIPS

SEISMIC DESIGN CATEGORY A

COMPLIANCE WITH SECTION 1616.4 ONLY? ☐ YES ☒ NO

SEISMIC DESIGN CATEGORY ☐ B ☒ C ☐ D

SEISMIC DESIGN CATEGORY B, C & D

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:

OCCUPANCY CATEGORY **II**

SPECTRAL RESPONSE ACCELERATION S_a 34.9 %g S₁ 11.0 %g

SPECTRAL RESPONSE COEFFICIENTS S_{ws} 35.4 %g S_{w1} 17.4 %g

SITE CLASSIFICATION D ☐ FIELD TEST ☒ PRESUMPTIVE ☐ HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

☒ BEARING WALL ☐ DUAL W/ SPECIAL MOMENT FRAME

☐ BUILDING FRAME ☐ DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL

☐ MOMENT FRAME ☐ INVERTED PENDULUM

SEISMIC BASE SHEAR V_s = 5 KIPS

ANALYSIS PROCEDURE ☒ SIMPLIFIED ☐ EQUIVALENT LATERAL FORCE ☐ MODAL

ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? ☐ YES ☒ NO

LATERAL DESIGN CONTROL? EARTHQUAKE ☐ WIND ☒

SOIL BEARING CAPACITIES:

FIELD TEST (PROVIDE COPY OF TEST REPORT) _____ psf

PRESUMPTIVE BEARING CAPACITY 2000 psf

PILE SIZE, TYPE, AND CAPACITY _____

FOUNDATION NOTES:

AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF WAS USED FOR THE FOUNDATION DESIGN; IF EXISTING CONDITIONS OR TESTS INDICATE THAT THE SOIL IS SOFT OR OTHERWISE QUESTIONABLE, CONTACT THE ENGINEER BEFORE PLACING CONCRETE.

GENERAL CONCRETE NOTES

ALL REINFORCING BARS TO CONFORM TO ASTM-A615, GRADE 60. ALL ACCESSORIES ARE TO BE INCLUDED. BARS ARE TO BE COLD BENT IN SHOP. BAR SUPPORTS ARE TO BE SPACED IN ACCORDANCE WITH ACI 318 AND CRSI. ALL BAR SPLICES ARE TO BE CONSIDERED CLASS "B" CLASS "B" SPLICES ARE TO BE LAPPED A DISTANCE OF 1.3 L_d. COMPRESSION REINFORCING SHALL BE LAPPED A MIN. OF 40 BAR DIAMETERS.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 GRADE 60 OR 70. PLACEMENT IN CONCRETE SHALL BE IN THE CENTER OF THE SLAB.

CONCRETE FOR FOOTINGS AND SLABS ON GRADE SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.

GENERAL MASONRY NOTES

BRICK SHALL CONFORM TO ASTM C82. CMU SHALL CONFORM TO ASTM C90. MORTAR TO BE TYPE S.

REINFORCING BARS SHOWN IN MASONRY WALLS SHALL BE LAPPED AS FOLLOWS.

ALL LAP SPLICES SHALL BE ACCORDING TO NCSC SECTION 2107.2.3

#3 BARS-LAP 18" MIN

#4 BARS-LAP 24" MIN

#5 BARS-LAP 36" MIN

#6 BARS-LAP 56" MIN

#7 BARS-LAP 76" MIN

#8 BARS-LAP 107" MIN

GENERAL STEEL NOTES

THE DESIGN, DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."

STEELS: STRUCTURAL STEEL IS TO CONFORM TO THE FOLLOWING SPECIFICATIONS:

STRUCTURAL STEEL (WIDE FLANGE SHAPES):.....ASTM A992, Fy=50 KSI

STRUCTURAL STEEL (ALL OTHER SHAPES):.....ASTM A36

STRUCTURAL STEEL (PLATES):.....ASTM A36

STRUCTURAL TUBING:.....ASTM A500 GRADE B Fy=46 KSI

STEEL JOISTS, BRIDGING, AND ACCESSORIES SHALL CONFORM TO THE STEEL JOIST INSTITUTE SPECIFICATIONS. PROVIDE ADDITIONAL WEB MEMBERS FOR JOISTS WHERE MECHANICAL EQUIP. AND OTHER LOADS ARE MOUNTED OR HUNG ON JOIST. MEMBERS TO BE L 2 x 2 x 3/16

FIELD WELDED FROM POINT LOAD TO NEAREST PANEL POINT ON JOIST.

ROOF DECK TO BE 1 1/2" DEEP, 6" WIDE RIB, PRIME PAINTED, VULCRAFT 1.58 22 GA. OR EQUAL.

FASTEN ROOF DECK TO SUPPORTS W/ 5/8" PUDDLE WELDS AT 12" O.C. (36/4 PATTERN) AND SIDELAPS USING #12 TEK SCREWS AT MIDSPAN.

CORRUGATED METAL FLOOR DECK TO BE VULCRAFT 0.60 x 28 GA. GALVANIZED OR EQUAL.

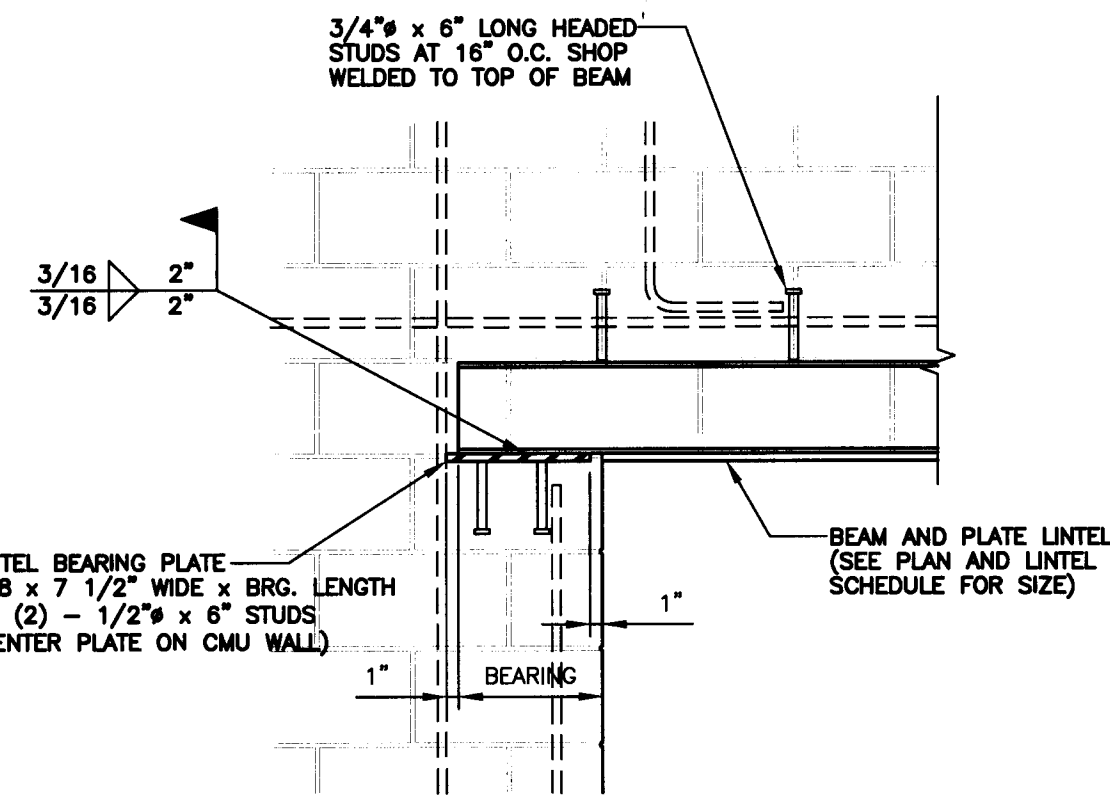
ATTACH TO SUPPORTS BY WELDING THROUGH W/ MANUFACTURER'S WING WASHERS - MINIMUM OF 25 PER SQUARE.

ELEVATOR CAP METAL DECK TO BE VULCRAFT 2.0VL1 x 20 GAGE, GALVANIZED OR EQUAL.

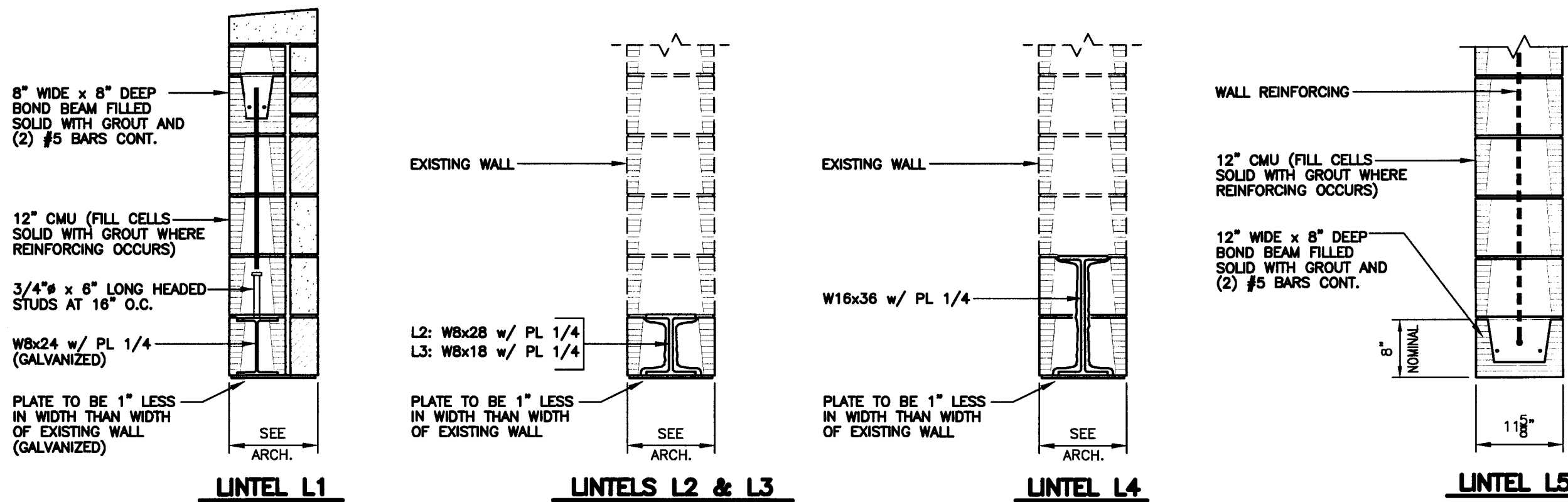
COLUMN FOOTING SCHEDULE		
MARK	FOOTING SIZE	REINFORCING
F5	5'-0" x 5'-0" x 18" DEEP	(6) - #6 BARS E.W. TOP & BOTTOM

COLUMN SCHEDULE			
MARK	COLUMN SIZE	BASE PLATE SIZE	ANCHOR BOLTS
C6	HSS 6 x 6 x 3/8	PL 1" x 12" x 12"	(4) 1"Ø ANCHOR BOLTS

LINTEL SCHEDULE FOR MARKED OPENINGS			
MARK	LINTEL SIZE	BEARING	DETAIL
L1	W8x24 & w/ BOTTOM PLATE 1/4 AND HEADED STUDS (GALVANIZED)	12" MIN.	SEE DETAIL BELOW
L2	W8x28 & w/ BOTTOM PLATE 1/4	8" MIN.	SEE DETAIL BELOW
L3	W8x18 & w/ BOTTOM PLATE 1/4	8" MIN.	SEE DETAIL BELOW
L4	W16x36 & w/ BOTTOM PLATE 1/4	8" MIN.	SEE DETAIL BELOW
L5	12" WIDE x 8" DEEP BOND BEAM w/ (2) - #5 BARS	24" MIN.	SEE DETAIL BELOW



TYPICAL BEAM LINTEL BEARING DETAIL
SCALE: NTS



Kirk Broom

From: Stewart, Jim <jstewart@scn-architects.com>
Sent: Friday, July 08, 2016 2:12 PM
To: Kirk Broom
Cc: Melton, Gloria; James McDermott; Kirk Viola (kviola@taylorviola.com)
Subject: RE: Courthouse - Pictures of Canopy footings - Reinforcing and anchor bolts

Importance: High

Jamie & Kirk --- Tell Richard that I said to pour the footings. The bolts and rebar placement is approved.

Jim

James C. Stewart, AIA, NCARB
Principal



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From: Kirk Broom [mailto:kbroom@ccorpusa.com]
Sent: Friday, July 8, 2016 8:58 AM
To: Stewart, Jim <jstewart@scn-architects.com>
Cc: Melton, Gloria <gmelton@scn-architects.com>; James McDermott <jamie@leitnerconstructionco.com>
Subject: Courthouse - Pictures of Canopy footings - Reinforcing and anchor bolts

Hey Jim -

Richard asked me to send you some pictures of the Canopy footings they have ready to pour this afternoon. He said you would review and provide an approval for the reinforcing and anchor bolts that I can forward to Summit Engineering.

I have more pictures if needed that I can send you.

Thanks

Kirk Broom
Site Manager

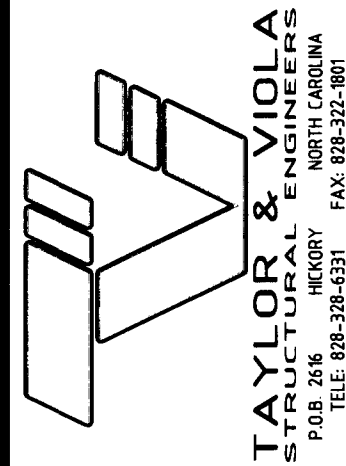
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Project No.
1390

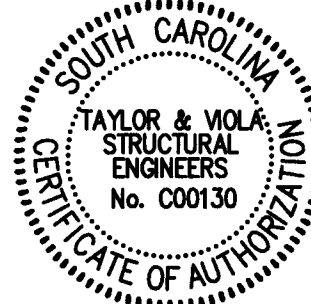
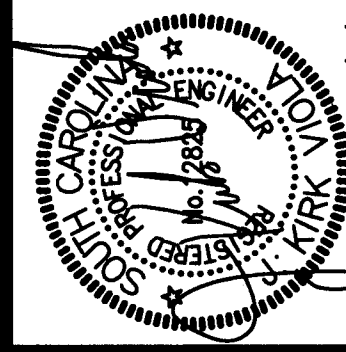
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7/10/16
Drawn
K. VIOLA
Checked
K. VIOLA
Revisions



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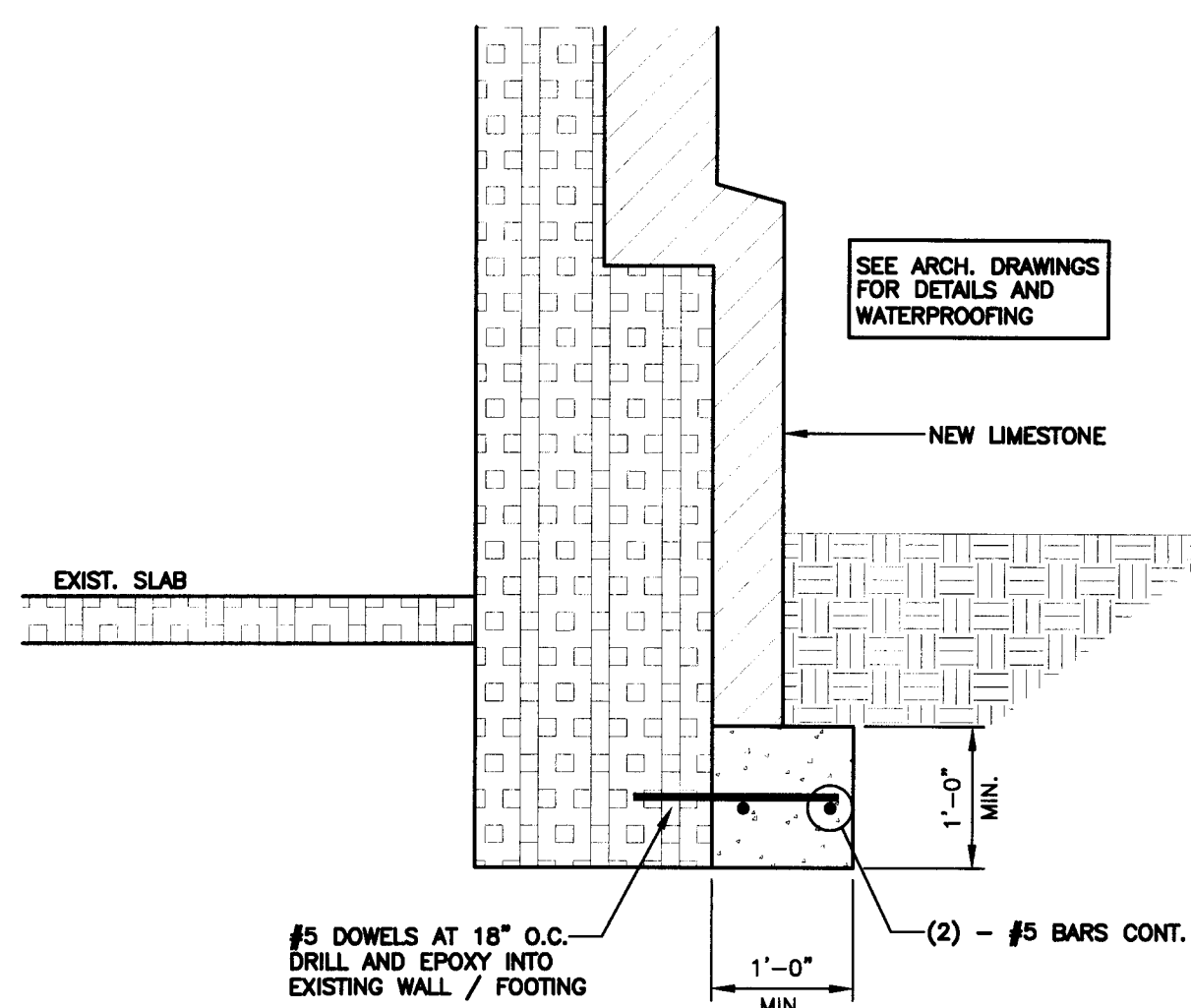
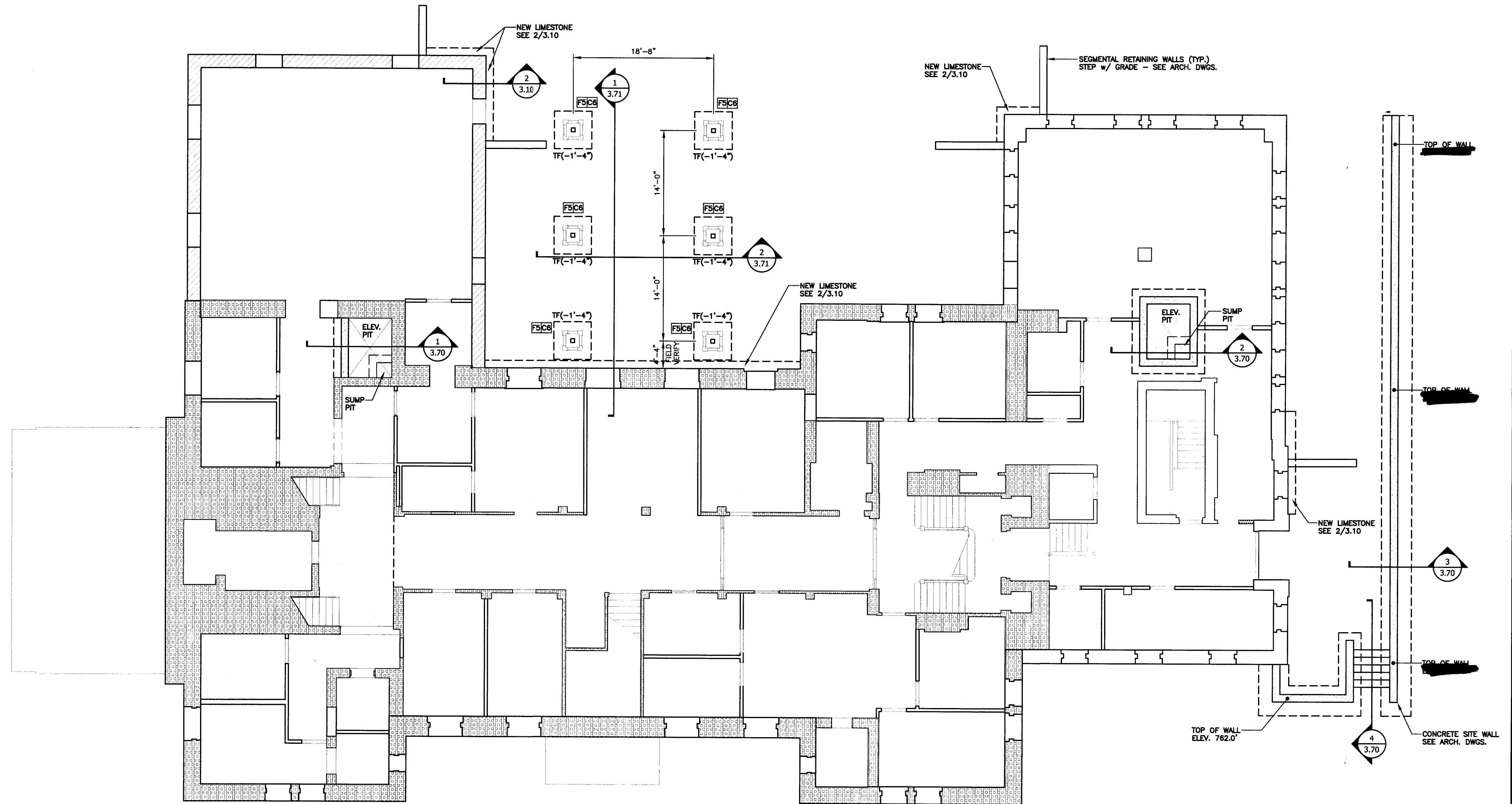
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RENOVATIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

GENERAL NOTES / SCHEDULES

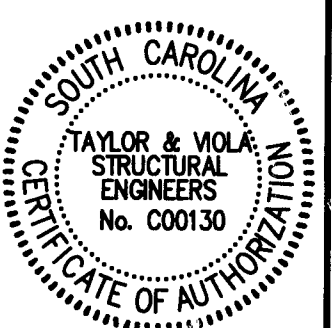
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1 3.10 **FOUNDATION PLAN**

SCALE: 1/8" = 1'-0"

- TOP OF FOOTING ELEVATIONS TO BE (-1'-4") BELOW FINISHED LOWER LEVEL FLOOR SLAB ON GRADE
- FX INDICATES COLUMN FOOTING TYPE (SEE SHEET 3.00 FOR COLUMN FOOTING SCHEDULE)
- CX INDICATES COLUMN TYPE (SEE SHEET 3.00 FOR COLUMN SCHEDULE)
- SEE SHEET 3.00 FOR CONSTRUCTION/CONTROL JOINT DETAILS
- SEE SHEET 3.00 FOR FOOTING STEP DETAILS IF NECESSARY



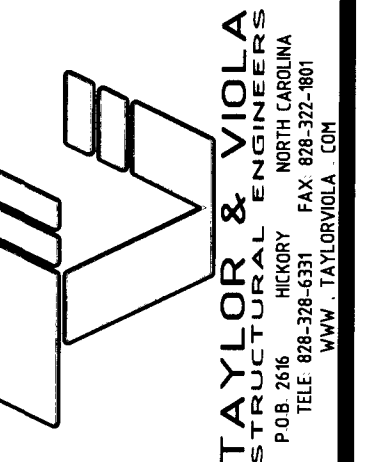
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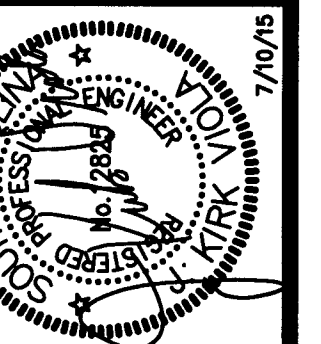
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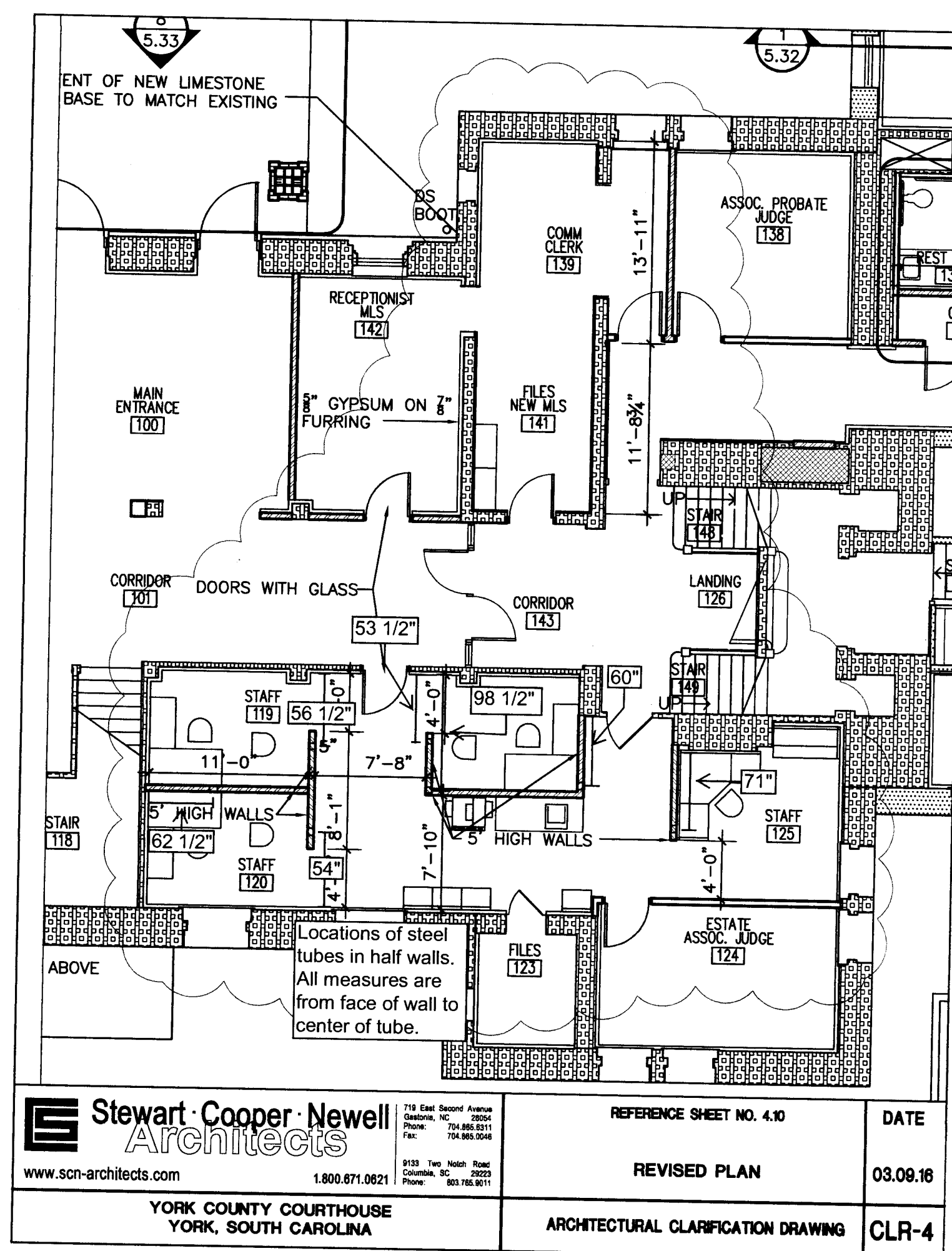
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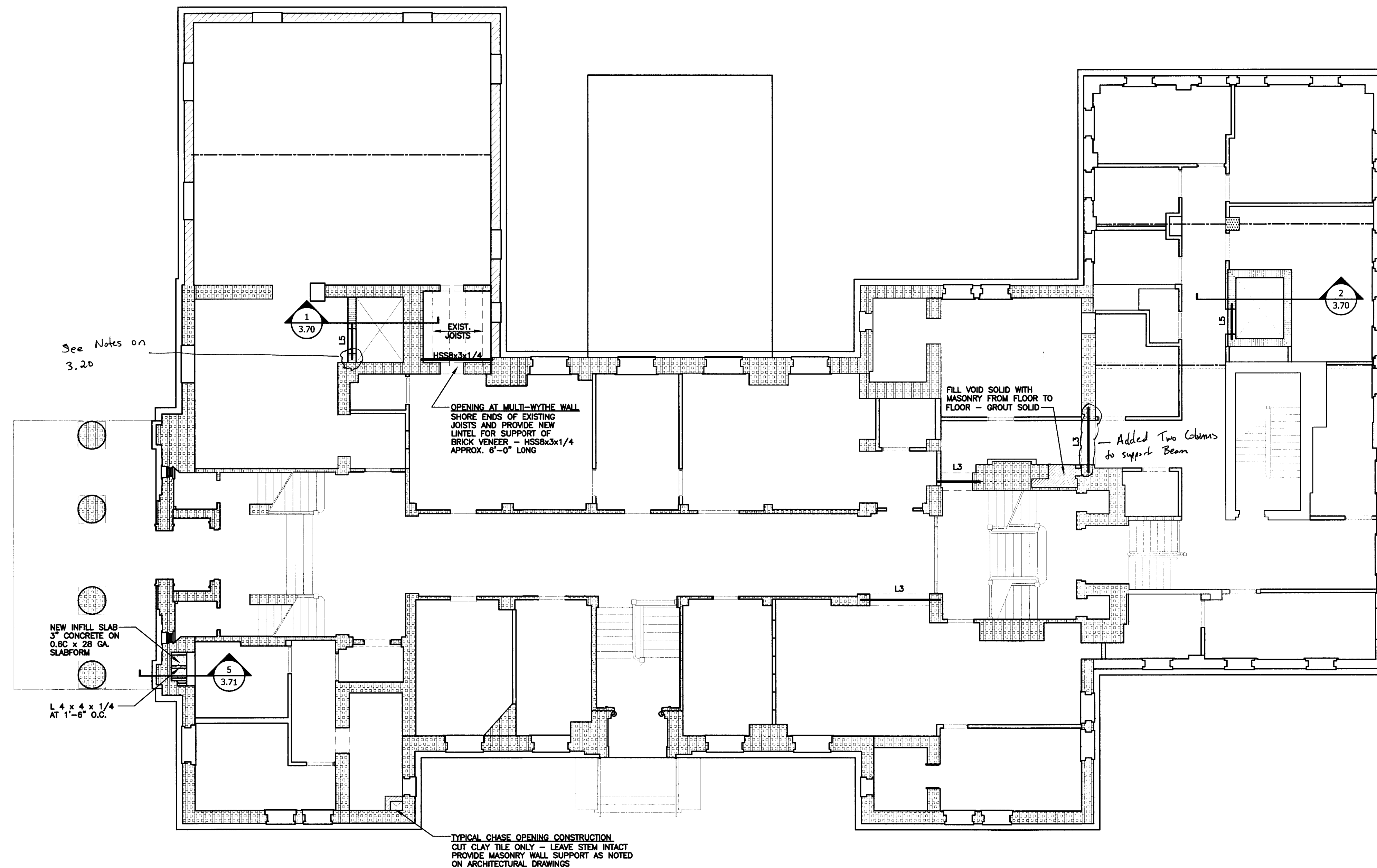


RENOVATIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

FOUNDATION PLAN

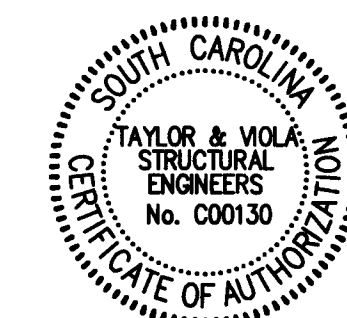
sheet
3.10





1 SECOND LEVEL FRAMING PLAN
3.30 SCALE: 1/8" = 1'-0"

• LX DENOTES LINTELS (SEE SHEET 3.00 FOR SCHEDULE)



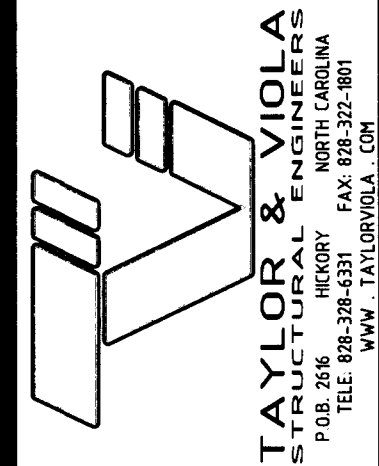
NOTE

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Project No.
1390

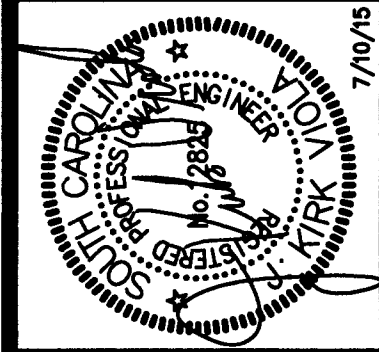
Date
7/10/15
Drawn
K. VIOLA
Checked
K. VIOLA
Revisions



719 East Second Avenue
Gastonia, NC 28054
Phone: 704.865.6311
Fax: 704.865.0046

9133 Two Notch Road
Columbia, SC 29223
Phone: 803.765.8011

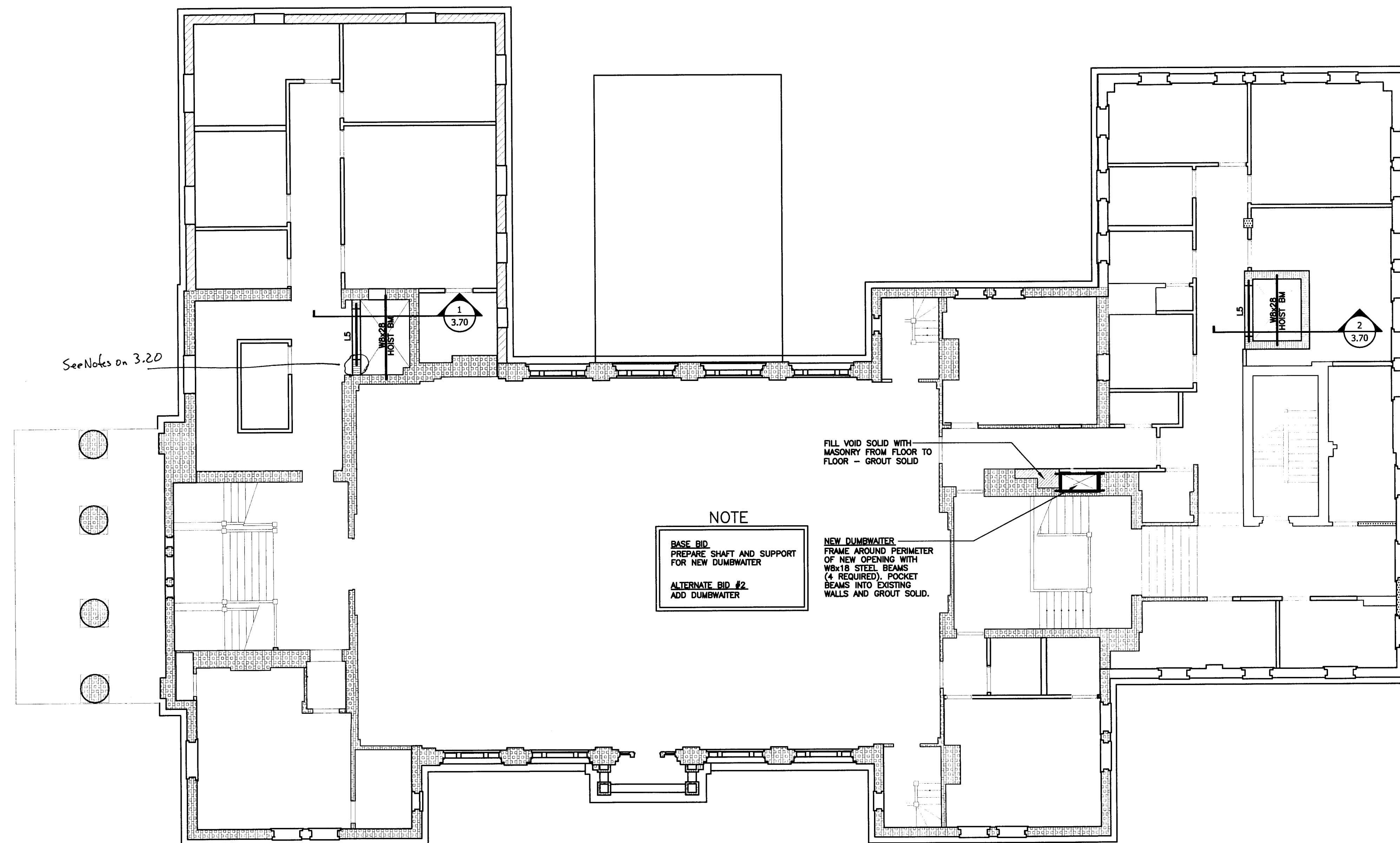
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RENOVATIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

SECOND LEVEL FRAMING PLAN

sheet
3.30



1 3.40 THIRD LEVEL FRAMING PLAN
SCALE: 1/8" = 1'-0"

• LX DENOTES LINTELS (SEE SHEET 3.00 FOR SCHEDULE)



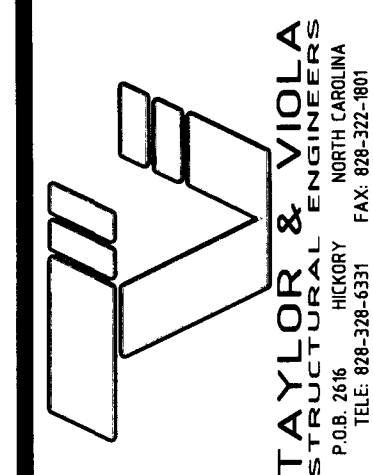
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Project No.
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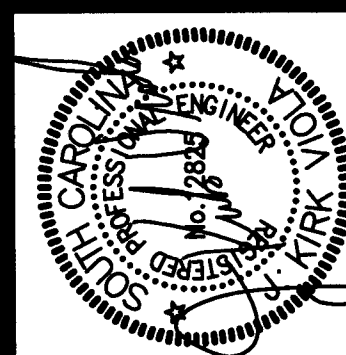
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K. VIOLA
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RENOVATIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

THIRD LEVEL FRAMING PLAN

sheet
3.40

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations
Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 3/9/16

Ref. Spec. Section/Page:
Cost Impact: No
Schedule Impact: No

Problem/Conflict:

1. Steel framing detailed marked to show revisions based on changes to structure height required for the approved DOAU unit.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 3/9/16

Response:

LEITNER
CONSTRUCTION CO., INC.

RFI # 9

Response Required By: SCN Architects

Drawing/Detail No: 3.50

Approved by
JCS 3-9-16

Recommended By (Name) _____ Company: _____ Date: _____

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 4/18/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

There is no bearing wall behind the existing brick veneer pocket shown for HVAC unit support, please review the attached marked up drawing showing an alternate support method for the framing in the area and advise.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 4/18/16

Response:

LEITNER
CONSTRUCTION CO., INC.

RFI # 11
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No: 3.50

Recommended By (Name) _____ Company: _____ Date: _____

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 4/29/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

A non load bearing beam was removed from the support framing for the DOAU to allow access to the unit from roof level, please confirm this is acceptable.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 4/29/16

Response:

LEITNER
CONSTRUCTION CO., INC.

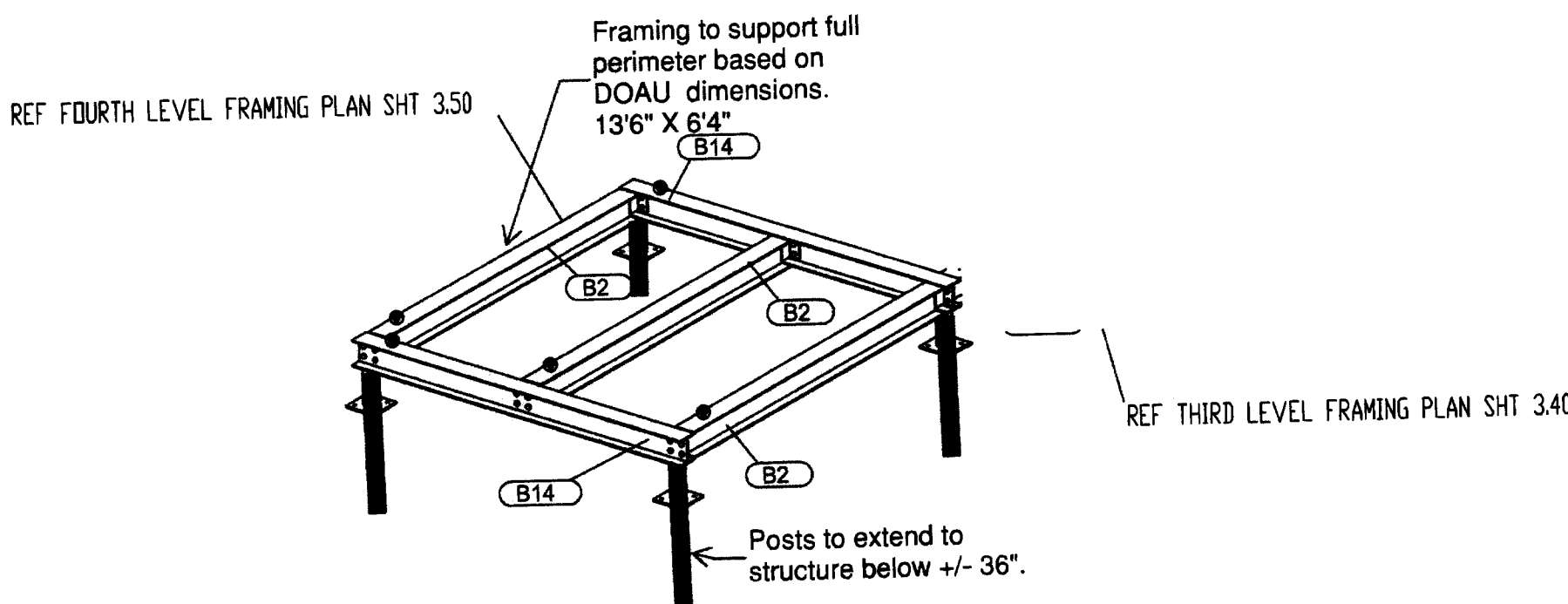
RFI # 13
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

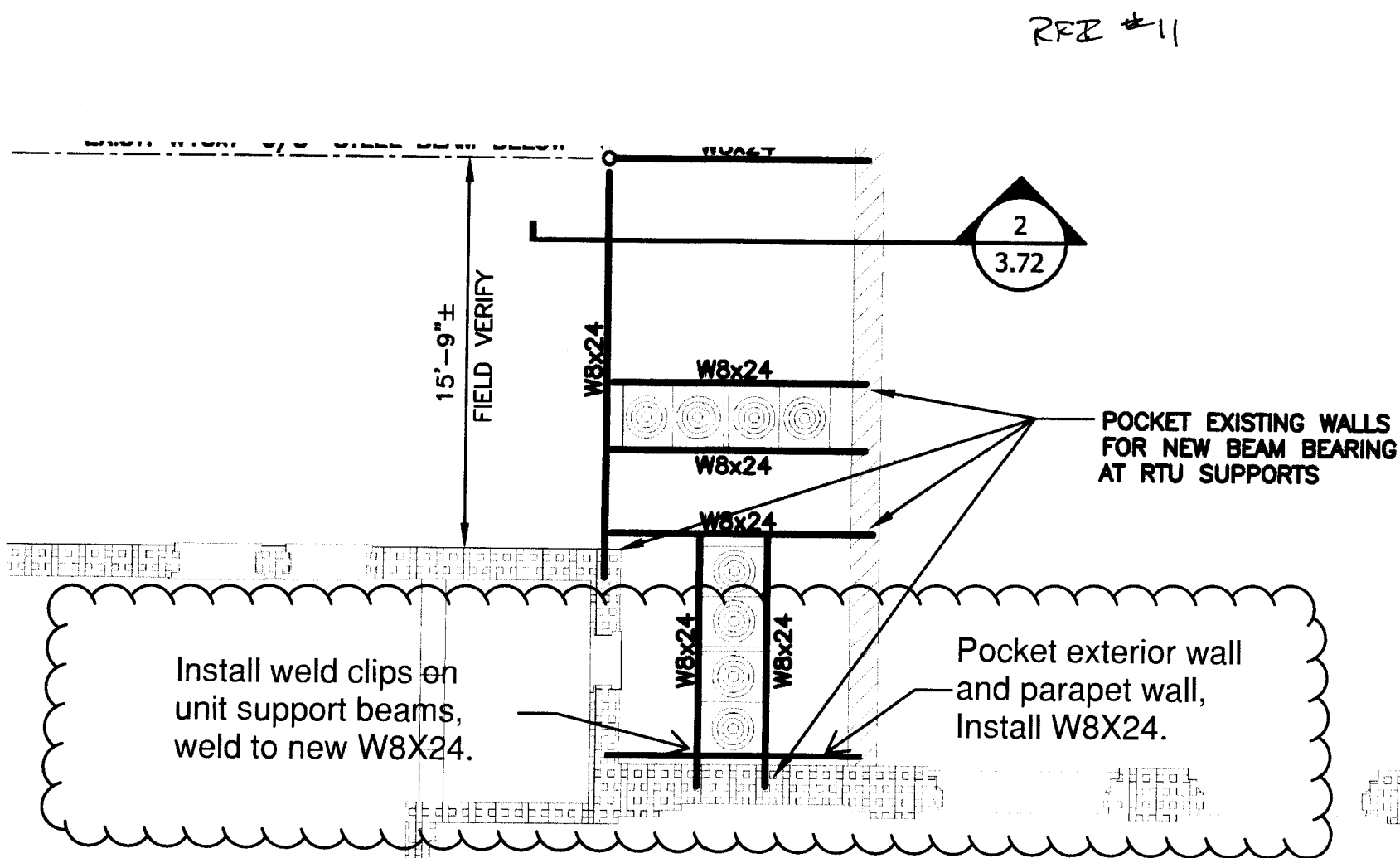
Drawing/Detail No: 3.50

Approved
JCS 5-4-16

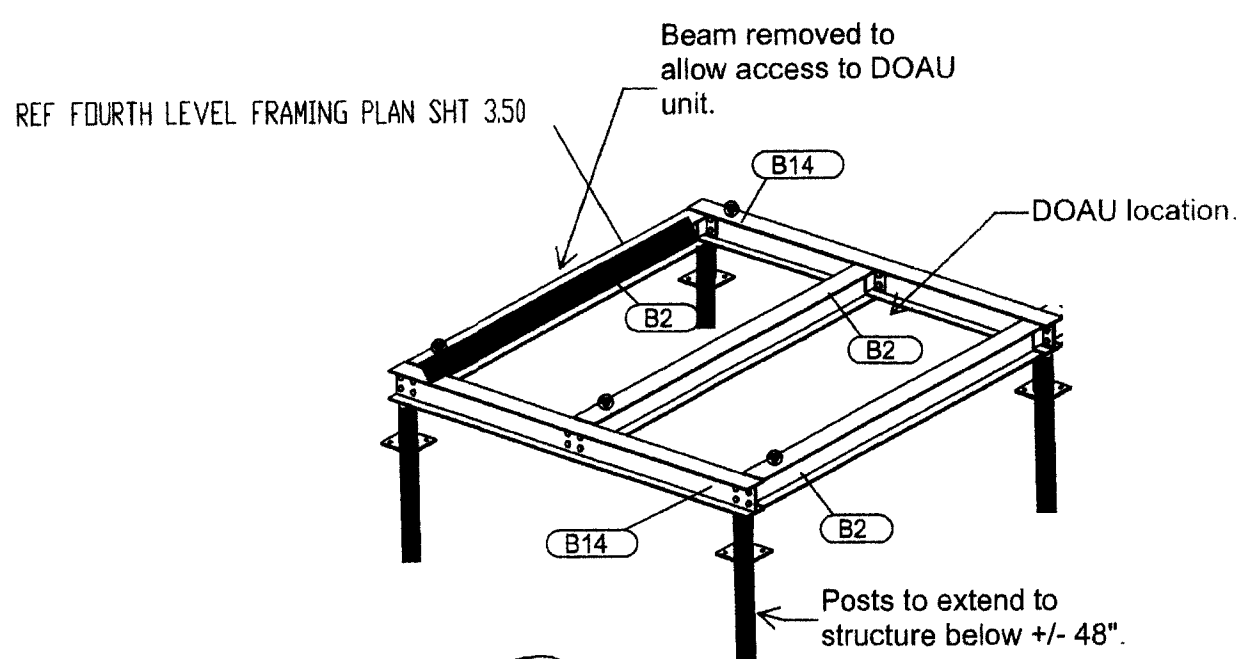
Recommended By (Name) _____ Company: _____ Date: _____



Approved
JCS 3-9-16



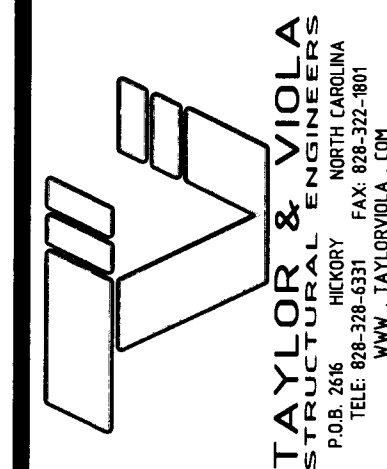
Approved
Jim Stewart
4-27-16



Approved
JCS 5-4-16

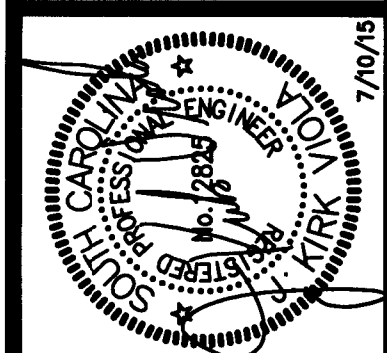
Project No.
1390

Date
7/10/15
Drawn
K. VIOLA
Checked
K. VIOLA
Revisions



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RENOVATIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
FOURTH LEVEL / LOW ROOF FRAMING PLANS

sheet
3.50

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 6/15/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

The following adjustments were made on site to the steel support to accommodate the mechanical unit dimensions.

1. Post for HP-1 and HP-2 support was welded to the angle imbedded into the concrete slab (Photos 1 & 2).
2. The center beam for DOAU-1 was moved off center to match the opening for the unit. The beam was welded in place and inspected instead of the bolted connection shown. (Photos 3 & 4).
3. A beam was added and welded to the support for HP-4 as additional bearing surface for the unit (Photo #5).

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 6/15/16

Response:

Approved
6-15-16
J. Stewart

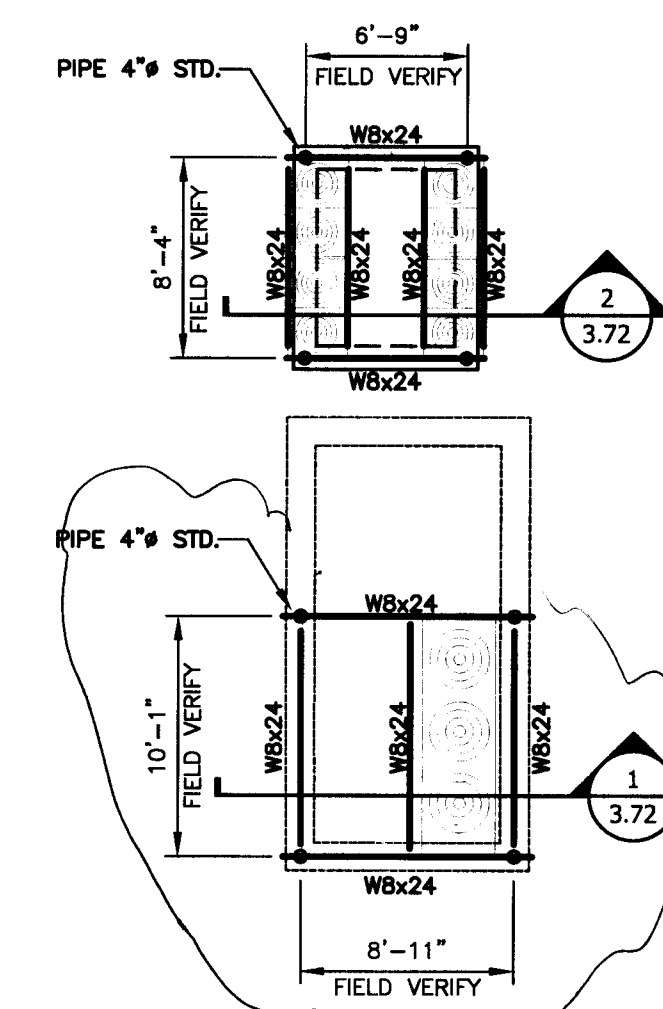
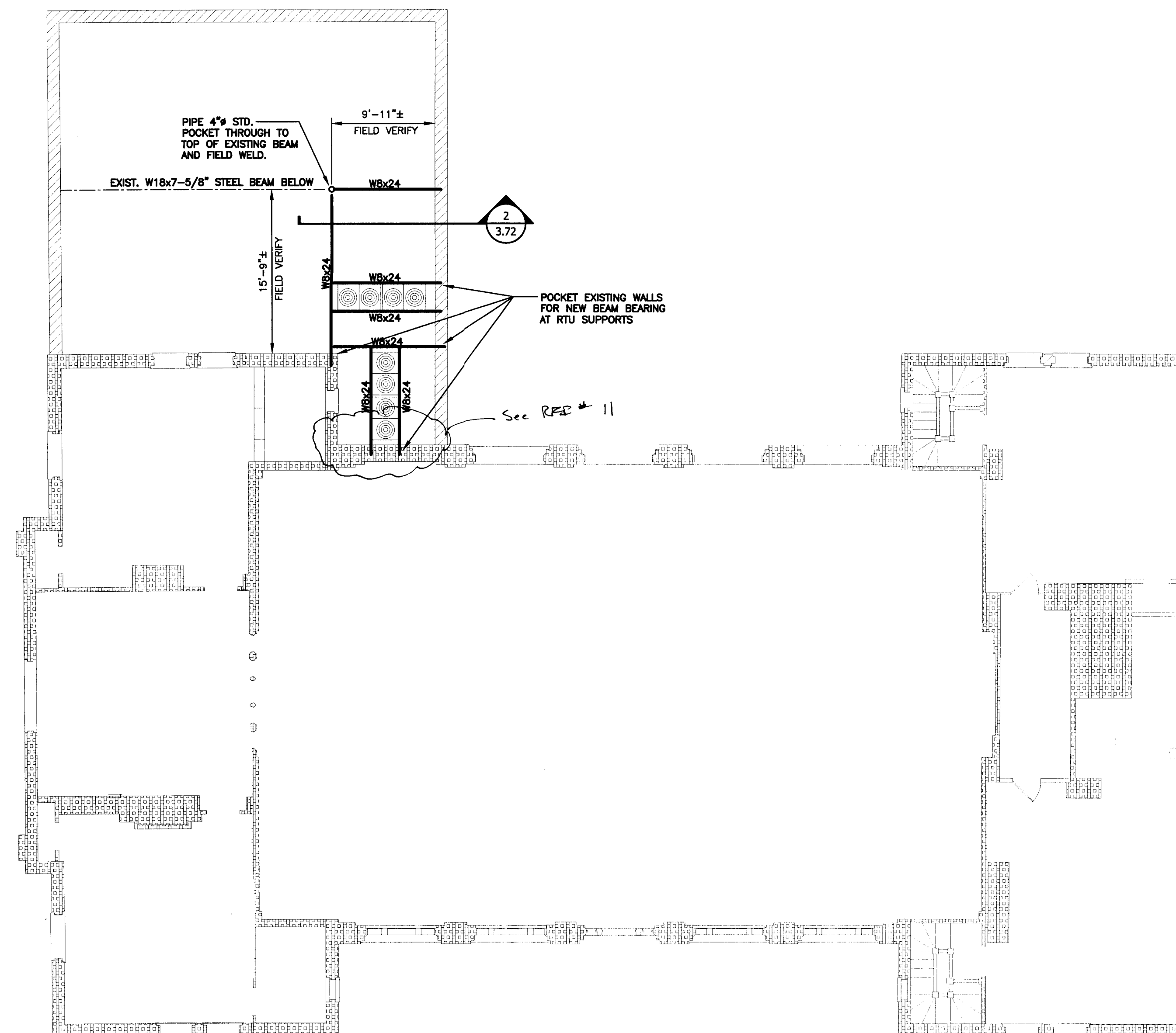
Recommended By (Name) _____ Company: _____ Date: _____

LEITNER
CONSTRUCTION CO., INC.

RFI # 21
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

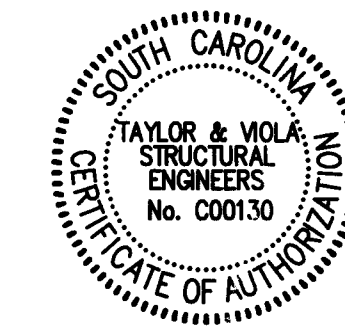
Response Required By: SCN Architects

Drawing/Detail No: See Attached



See RFI #9 & 13
opposite page

1
3.50
FOURTH LEVEL / LOW ROOF FRAMING PLANS
SCALE: 1/8" = 1'-0"



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REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 2/23/16

Ref. Spec. Section/Page: 04 20 00-20

Cost Impact: No

Schedule Impact: No

Problem/Conflict:

Specifications allow grout placement based on ACI 530 requirements for cleanouts and pour heights, but limit the allowable pour height to 60" max. Due to the requirements called out for special inspections concerning grout pours and reinforcing inspections, can the masonry shafts and infill be grouted based on the ACI 530 high lift grouting procedures to reduce the amount of inspections required by low lift grouting? The SI will be scheduled to review reinforcing placement prior to continuing with wall construction.

Issued By (Name) Jamie McDermott

Company: Leitner Construction

Date: 2/23/16

Response:

Response Required By: SCN Architects

Drawing/Detail No:

RFI # 7
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Thursday, February 25, 2016 10:24 AM
To: Kirk Broom
Cc: Kirk Viola; Stewart, Jim
Subject: FW: RFI #7 High Lift Grouting.pdf

Kirk,
Everyone is ok with this.

Gloria Melton
Architect

 **Stewart-Cooper-Newell**
Architects

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Gastonia NC 28054 fx 704.865.0046
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From: Kirk Viola [mailto:kviola@taylorviola.com]
Sent: Thursday, February 25, 2016 8:35 AM
To: Stewart, Jim <jstewart@scn-architects.com>; Melton, Gloria <gmelton@scn-architects.com>
Subject: Re: RFI #7 High Lift Grouting.pdf

Jim / Gloria,

I am OK with this - have you guys replied?

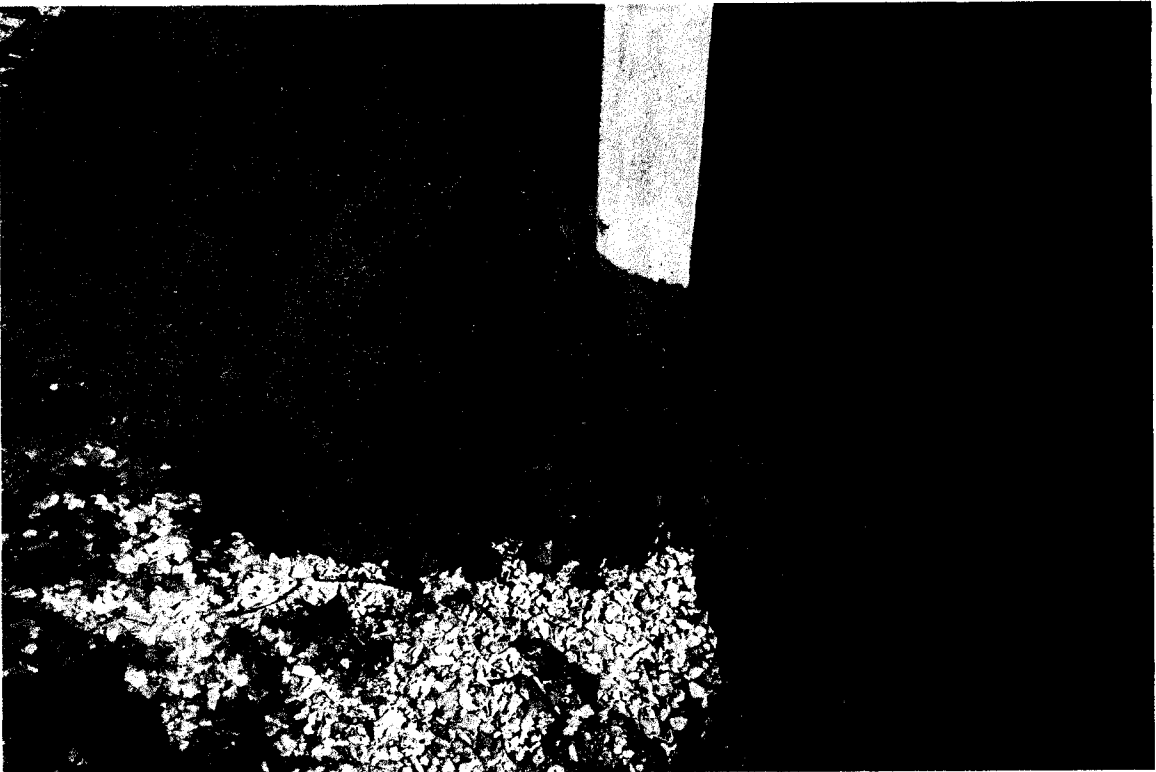
Kirk

J. Kirk Viola, P.E.

Taylor & Viola Structural Engineers, PC
P.O. BOX 2616
HICKORY, NC 28603

(828) 328-6331 (office)
(828) 381-0594 (cell)

1



Retaining Wall behind Courthouse

Pictures taken 2/18/16

Kirk Broom

From: Kirk Viola <kviola@taylorviola.com>
Sent: Monday, June 06, 2016 8:12 AM
To: Jamie McDermott
Cc: Stewart, Jim; Melton, Gloria; Kirk Broom
Subject: Re: FW: York- returned shops

The 3" x 18 GA. decking will be acceptable.

J. Kirk Viola, P.E.

Taylor & Viola Structural Engineers, PC
P.O. BOX 2616
HICKORY, NC 28603

(828) 328-6331 (office)
(828) 381-0594 (cell)



On Thu, Jun 2, 2016 at 4:21 PM, Jamie McDermott <jamiem@leitnerconstructionco.com> wrote:

Jim,

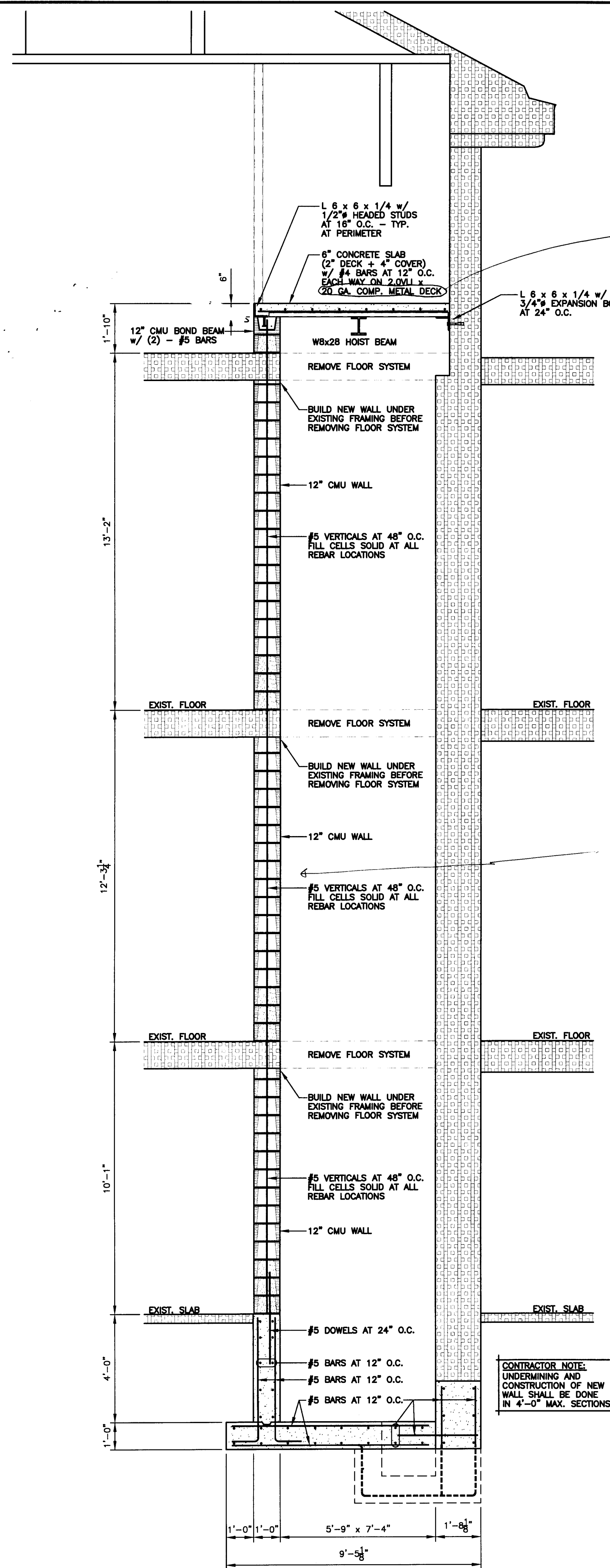
The elevator cap was installed prior to the attached submittal review, we installed 3" 18ga decking on 6X6 angle material on the elevator cap. The installation was inspected prior to concrete placement, and installation was required well before the drawings were available. Will that satisfy Kirk's request on the returned submittal? If there's any other information he needs let us know. Thanks

From: Kirk Broom [mailto:kbroom@ccorpusa.com]
Sent: Tuesday, May 24, 2016 11:50 AM
To: Jamie McDermott <jamiem@leitnerconstructionco.com>
Subject: FW: York- returned shops

Are you working on the decking submittal for the elevatr caps?

Kirk Broom

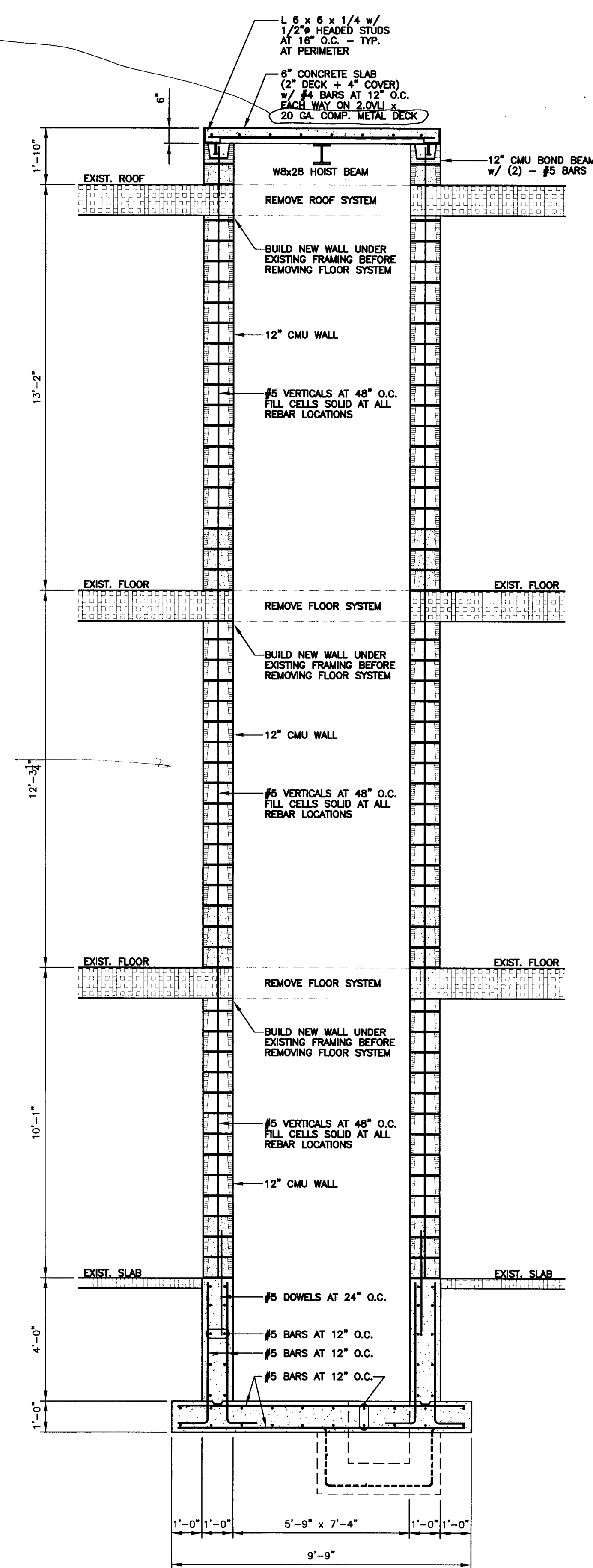
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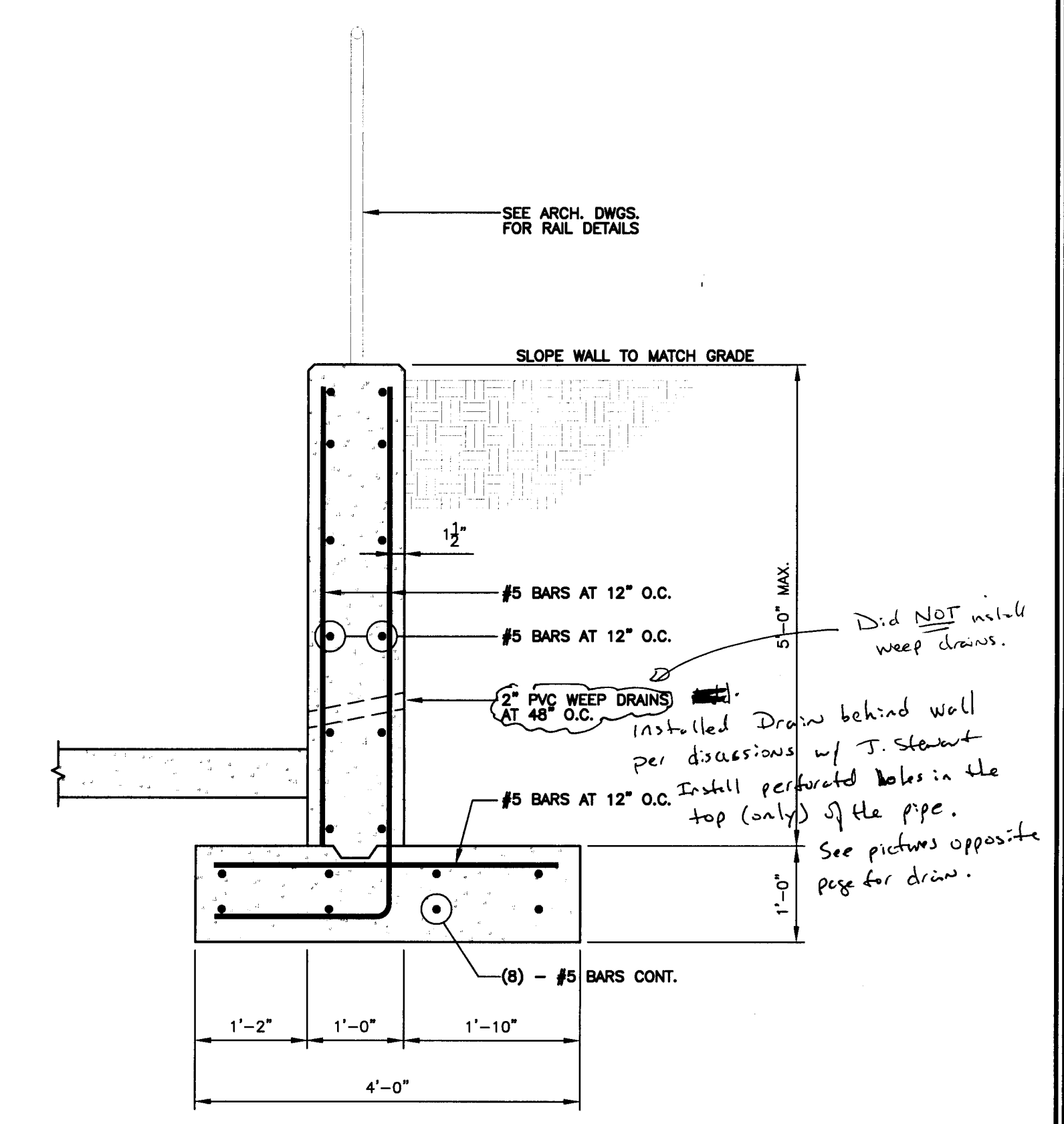
1 ELEVATOR SECTION
SCALE: 3/8" = 1'-0"

See Email response
from R. Viola 6/6/16
on approval of
3" x 18" Decking

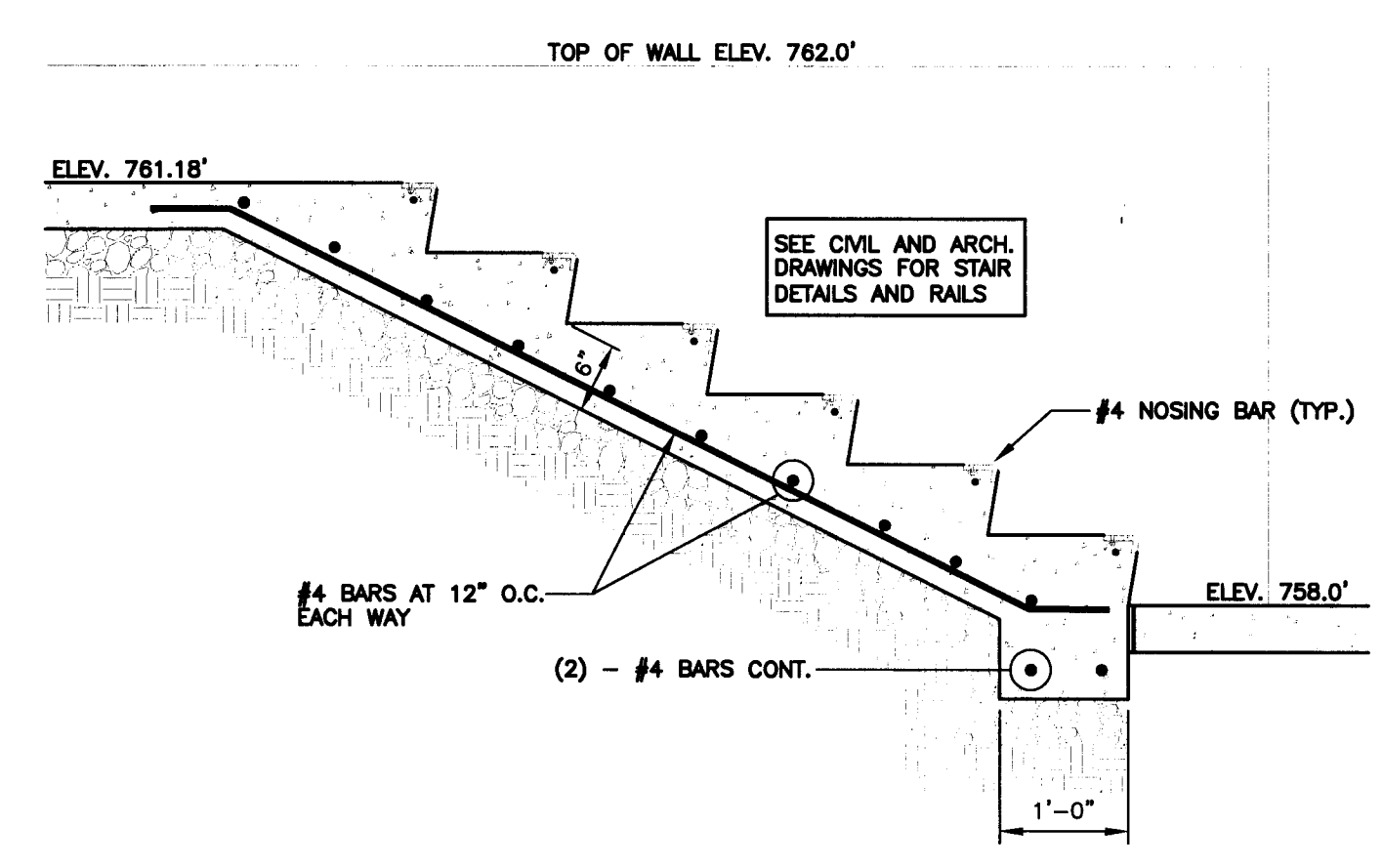
See RFI # 7
opposite page. High
lift grouting is
acceptable.



2 ELEVATOR SECTION
SCALE: 3/8" = 1'-0"



3 SITE WALL SECTION
SCALE: 3/4" = 1'-0"



4 TYPICAL STEPS ON GRADE SECTION
SCALE: 3/4" = 1'-0"

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Project No.
1390

Date
7/10/15

Drawn
K. VIOLA

Checked
K. VIOLA

Revisions

Taylor & Viola
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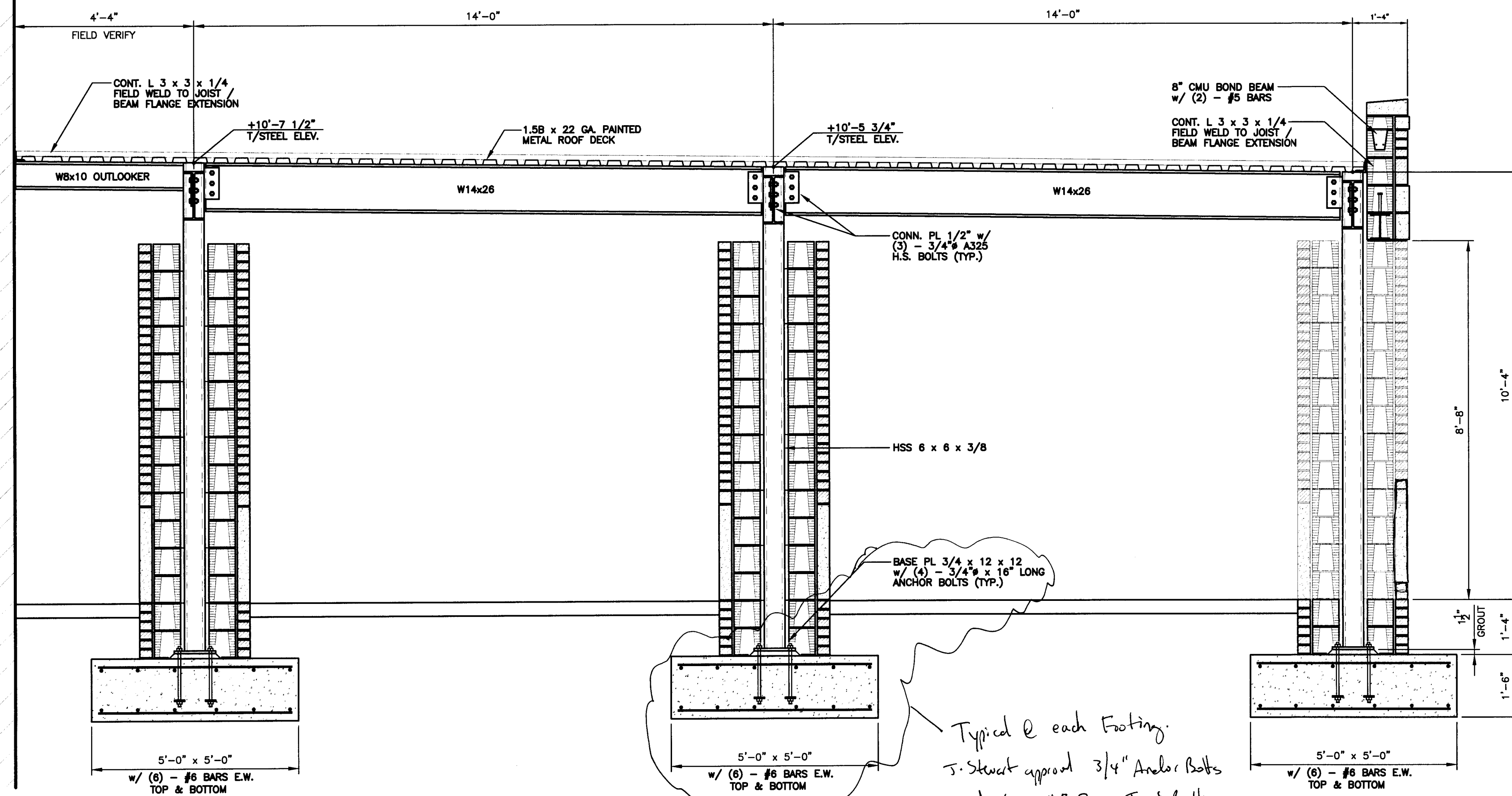
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REVISIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

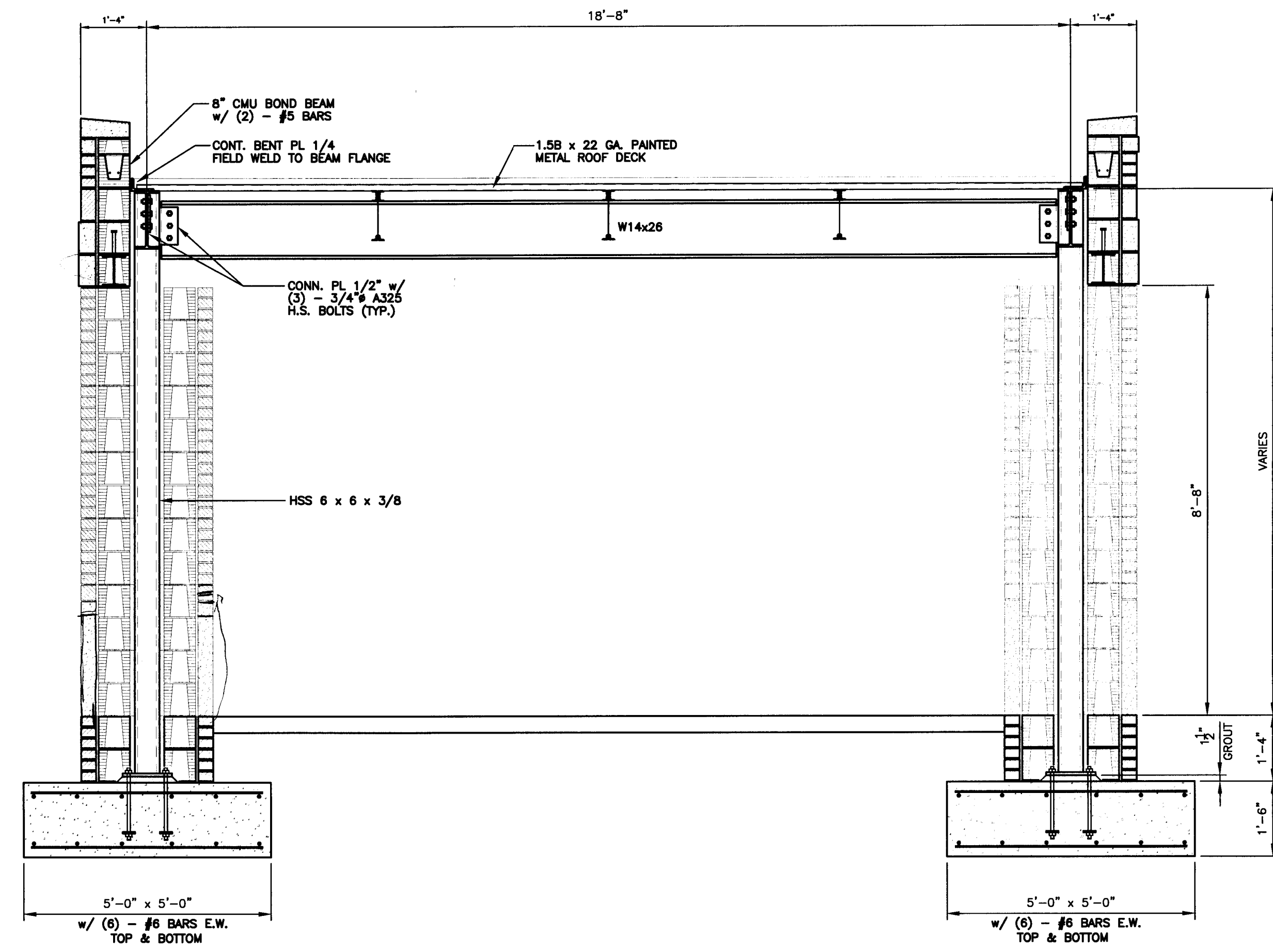
ELEVATOR SECTIONS / DETAILS

sheet
3.70

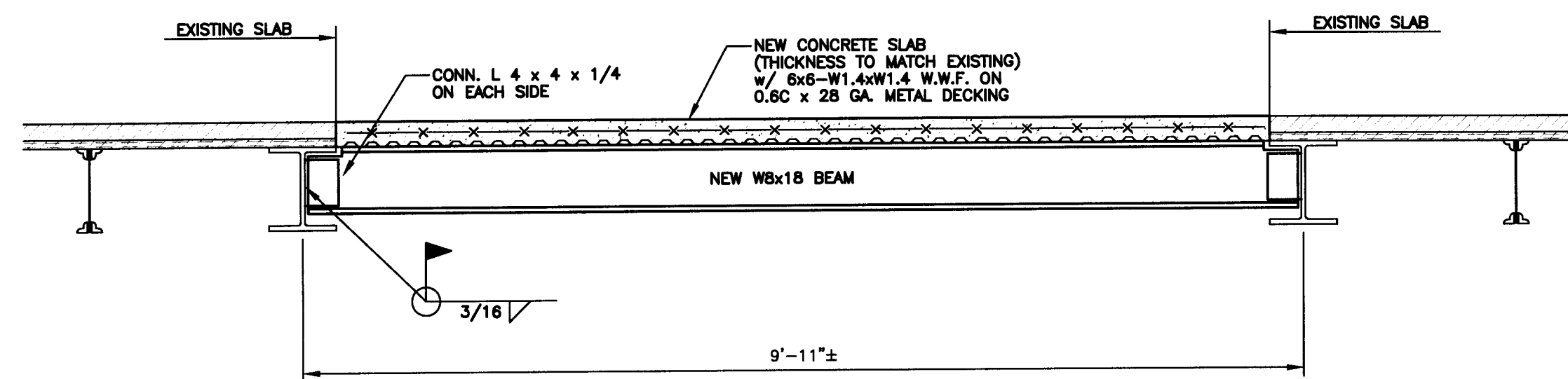


1 CANOPY SECTION
3.71 SCALE: 1/2" = 1'-0"

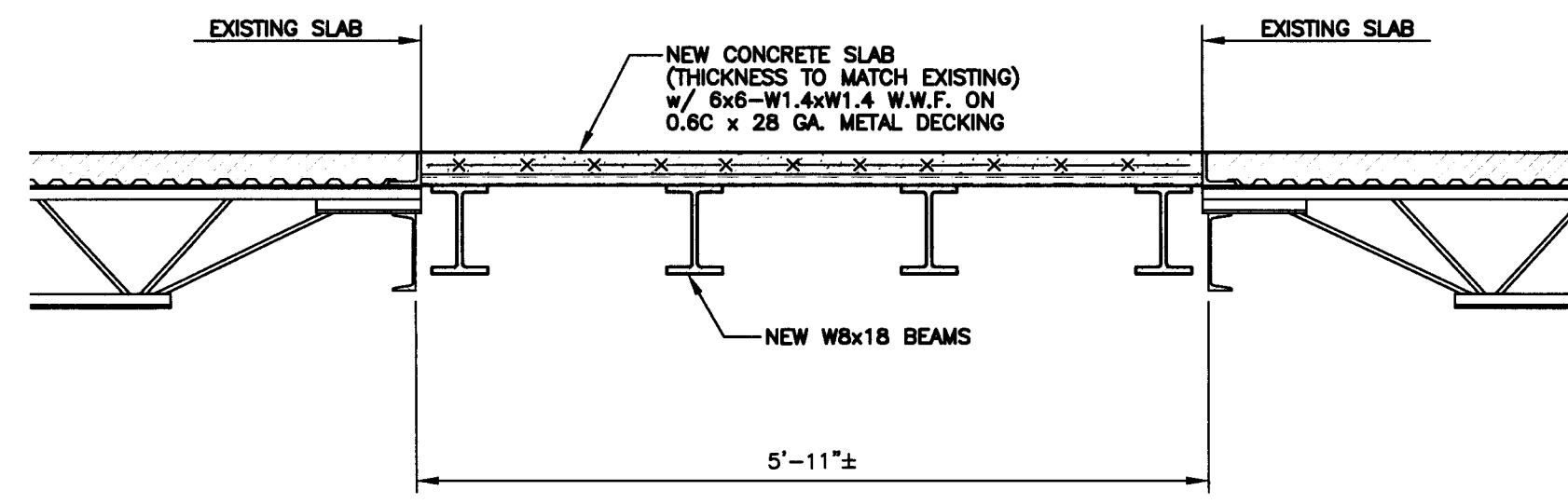
Typical @ each Footing.
J. Stewart approved 3/4" Anchor Bolts
and 6 - #5 Bars Top & Bottom
See email on sheet 3.00 from
J. Stewart 7/8/16



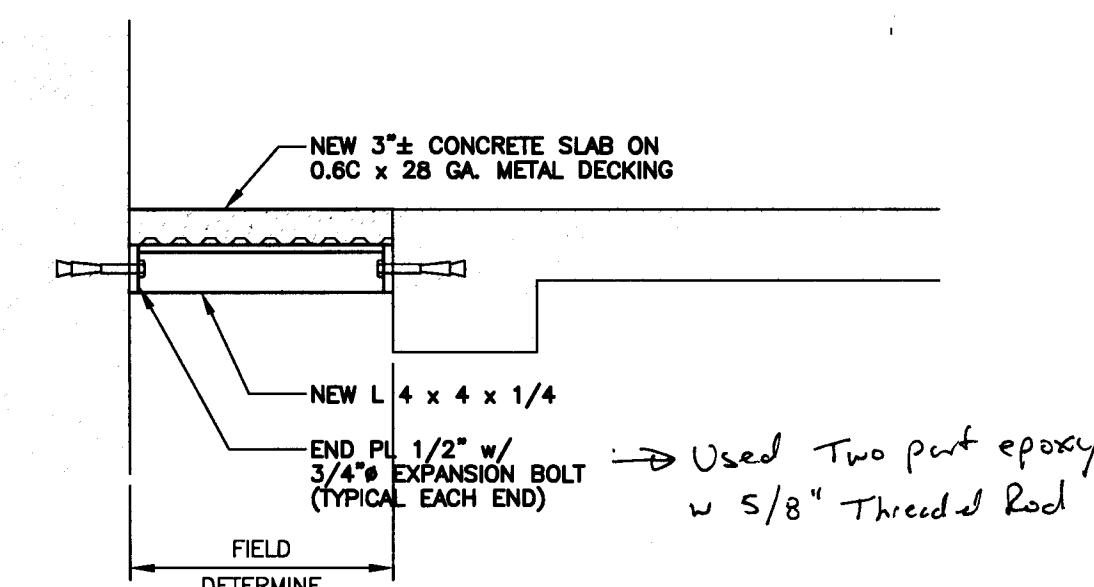
2 CANOPY SECTION
3.71 SCALE: 1/2" = 1'-0"



3 SECTION AT FLOOR INFILL
3.71 SCALE: 3/4" = 1'-0"



4 SECTION AT FLOOR INFILL
3.71 SCALE: 3/4" = 1'-0"



5 SECTION AT FLOOR INFILL
3.71 SCALE: 3/4" = 1'-0"

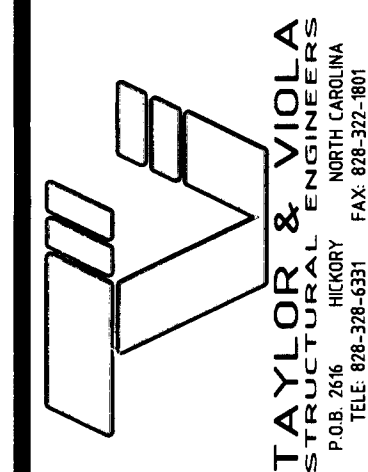
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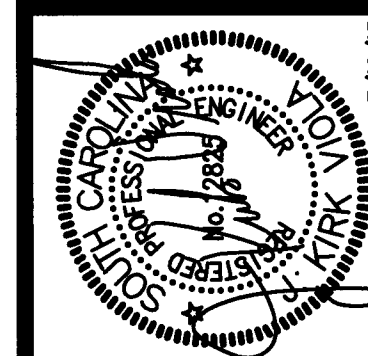
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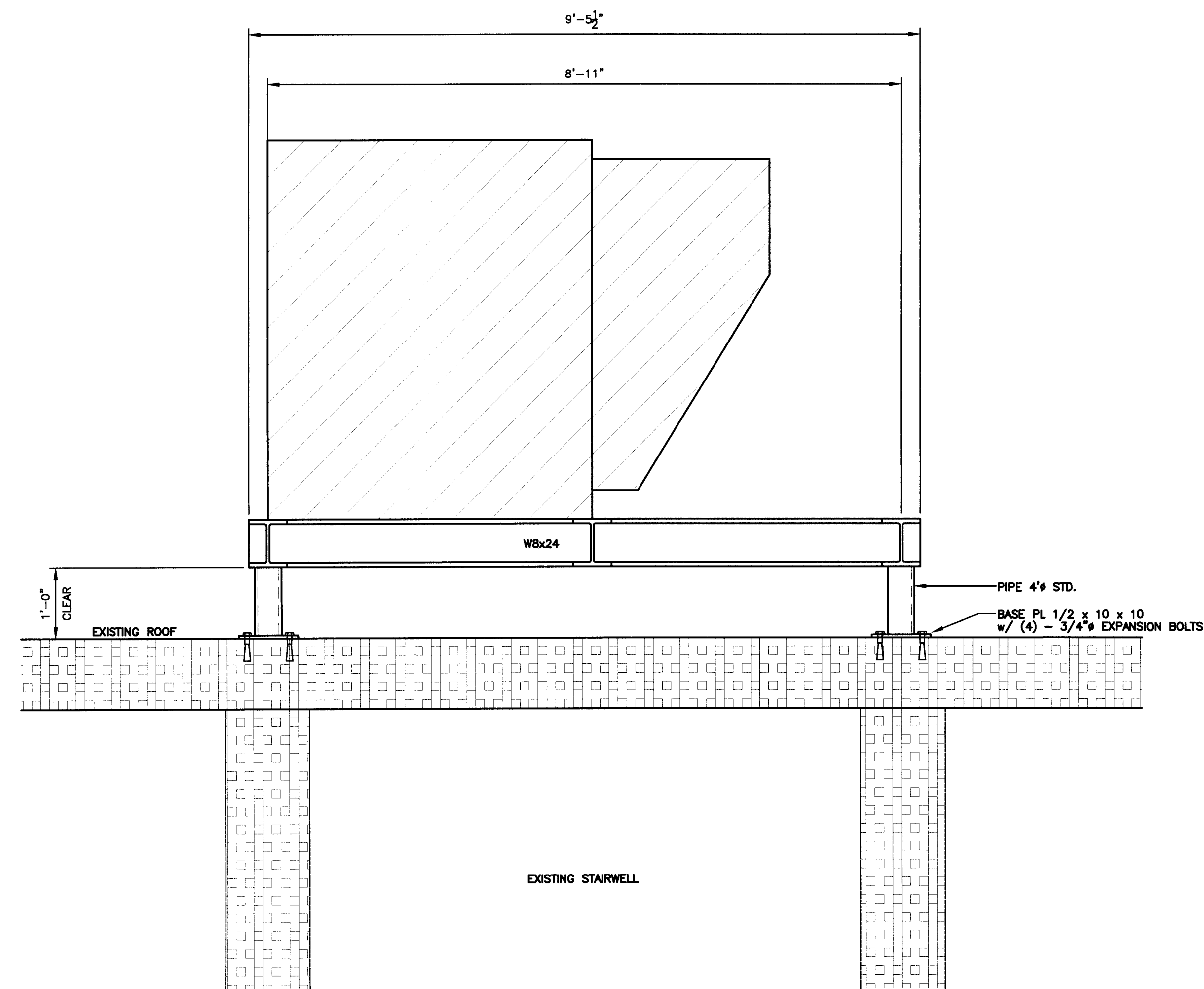
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RENOVATIONS AND ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

CANOPY & FLOOR SECTIONS AND DETAILS

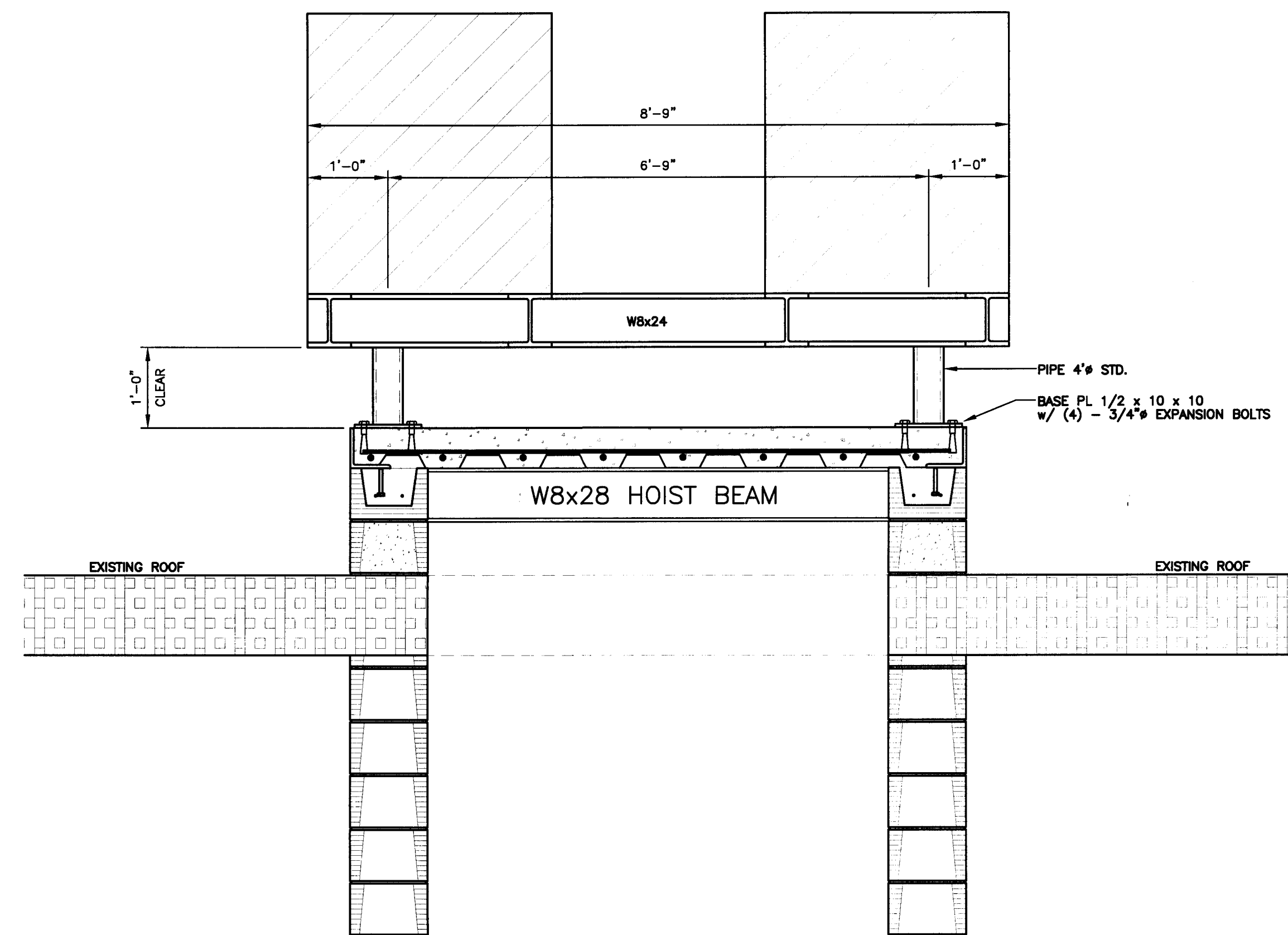
sheet
3.71



1 ROOF TOP UNIT SUPPORT SECTION
 SCALE: 3/4" = 1'-0"

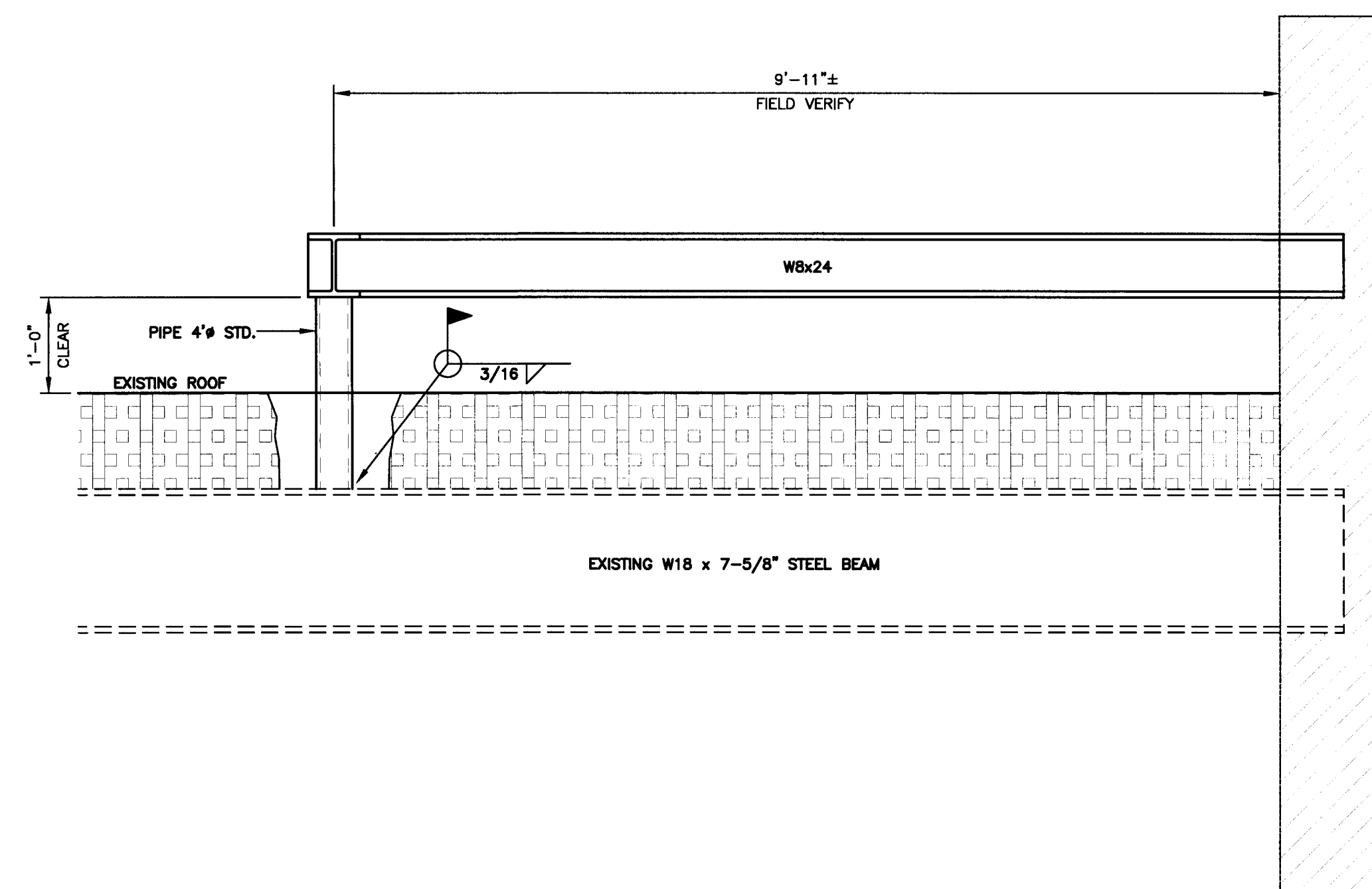
• ALL DIMENSIONS TO BE FIELD VERIFIED AND COORDINATED WITH MECHANICAL UNIT DIMENSIONS

* See RFI #9 response for structural to unit - sheet 3.50



2 ROOF TOP UNIT SUPPORT SECTION
 SCALE: 3/4" = 1'-0"

• ALL DIMENSIONS TO BE FIELD VERIFIED AND COORDINATED WITH MECHANICAL UNIT DIMENSIONS



3 ROOF TOP UNIT SUPPORT SECTION
 SCALE: 3/4" = 1'-0"

• ALL DIMENSIONS TO BE FIELD VERIFIED AND COORDINATED WITH MECHANICAL UNIT DIMENSIONS

NOTE

ISOLATION PADS TO BE FURNISHED BY MECHANICAL CONTRACTOR



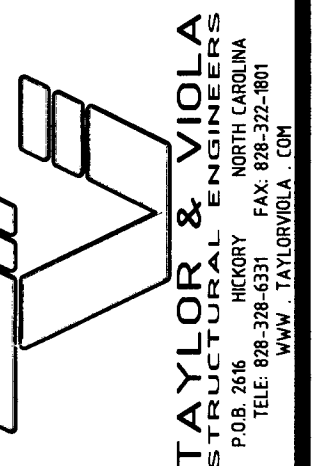
NOTE

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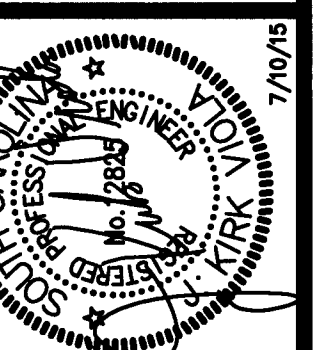
Project No.
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Date
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RENOVATIONS AND ADDITIONS FOR
 YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA

sheet
3.72

ROOF TOP UNIT SUPPORT FRAMING

DEMOLITION NOTES

GENERAL DEMOLITION NOTES

1 NOTE: FOR ALL WINDOW RESTORATION AND REPLACEMENT REFER TO SHEETS 4.60, 4.61 AND 5.30.

2 REMOVE EXTERIOR DOOR AND FRAME. WHEN ITEMS ARE REMOVED THEY SHOULD BE STORED ON THE PROJECT SITE AS DIRECTED BY THE ARCHITECT. REFER ALSO TO SITE DRAWINGS.

3 REMOVE EXISTING CONCRETE AND STONE AND WALL STEPS AND LANDING. PROTECT EXTERIOR WALL BASE AND BRICK. AS THOSE ITEMS ARE REMOVED, THEY SHOULD BE STORED ON THE PROJECT SITE AS DIRECTED BY THE ARCHITECT.

4 PROVIDE SHORING AS REQUIRED FOR SUPPORT AND SAFETY TO REMOVE EXISTING WALL FOR NEW BEAM INSTALLATION.

5 REMOVE ALUMINUM DOOR AND FRAME.

6 GRIND SLAB DOWN TO MATCH GRADE LEVEL @ SLAB B

7 REMOVE EXISTING WINDOW, FRAME, SILL AND PORTION OF EXTERIOR WALL. SALVAGE Limestone SILLS FOR REUSE ELSEWHERE. STORE PER ARCHITECTS INSTRUCTIONS.

8 REMOVE EXISTING EXTERIOR LIGHTING FIXTURE.

9 REMOVE EXISTING SOIL AROUND BUILDING IN ORDER TO WATERPROOF BUILDING. PROVIDE SHORING AS REQUIRED FOR SUPPORT AND SAFETY. REFER TO CIVIL

10 PROVIDE SHORING AS REQUIRED FOR SUPPORT AND RAILINGS FOR SAFETY TO REMOVE CEILING/FLOORING AS REQUIRED TO CREATE SHAFT FOR ELEVATOR

11 RAISE SLAB TO MATCH GRADE LEVEL @ SLAB B

12 EXISTING CAST IRON DRAINS TO REMAIN. CONNECT NEW ROOF DRAINS INTO EXISTING C.I. PIPE.

13 PROVIDE SHORING AS REQUIRED FOR SUPPORT AND REMOVE PLASTER SOFFIT AND BOILER FLUE TO CHIMNEY. SEAL FLUE WITH BRICK AND CEMENT PLASTER.

14 REPAIR SLAB AS REQUIRED- GRIND DOWN ALL HIGH SPOTS AND PATCH HOLES AND LEVEL WITH CEMENT.

15 REMOVE DOOR FRAME AND DOOR

16 REMOVE WALL TILE BASE TRIM APPROXIMATELY 18 LINEAR FEET- CONTRACTOR TO VERIFY QUANTITY IN FIELD.

17 REMOVE 6" FOR DOOR FRAME HEIGHT- AT NEW DOOR OPENING. EXISTING OPENING: 6'-8" HIGH- FIELD VERIFY

18 REMOVE FLUE, LIGHT FIXTURE SWITCH ON WALL

19 REMOVE WALL ABOVE AND OR SLAB BELOW TO ALLOW HEIGHT FOR A 7'-0" MINIMUM OPENING. LEVEL FLOOR SLAB AT OPENING.

20 REPAIR AND LEVEL FLOOR SLABS WHERE PARTITIONS WERE REMOVED.

21 REPAIR EXISTING WOOD STAIR TREADS AS REQUIRED AND PREPARE FOR NEW RUBBER TREADS.

22 CUT A SMOOTH, "SQUARE" OPENING AT EXISTING WALL FOR THE WIDTH- ALLOW FOR 2 1/2" FURRING EACH SIDE, PLUS 3'-4" FOR DOOR AND FRAME. FOR THE HEIGHT ALLOW FOR 7'-2" DOOR FRAME.

23 REMOVE ALL PLASTER MOLDING, METAL LATH AND WOOD BLOCKING WHERE INDICATED. FIELD VERIFY LOCATIONS. PREPARE FOR NEW MOLDING AND CEILING. REFER TO REFLECTED CEILING PLAN AND INTERIORS 4.70.

24 REMOVE EXISTING DOOR FRAME AND HINGES

25 REMOVE MASONRY AT FIREPLACE- SEAL FIREBOX WITH MASONRY.

26 REMOVE EXISTING PLASTER FROM WINDOW SILL TO FLOOR LEVEL- TYPICAL ALL AREAS WHERE GRADE IS ABOVE FLOOR LEVEL. CONTRACTOR TO VERIFY ON SITE- FOR ALL AREAS THAT REQUIRE THIS. SEE DETAIL 4/5.33

27 COAL CHUTE DOOR AND FRAME TO REMAIN ON OUTSIDE OF THE EXTERIOR WALL. INFILL EXTERIOR WALL WITH MASONRY WALL AND SEAL.

28 REMOVE ALL FLOOR LEDGES IN THIS ROOM- CONTRACTOR TO VERIFY LOCATIONS IN FIELD. REFER TO SHEET 4.35

29 POUR NEW 4" CONCRETE SLAB WITH 10 MIL. VAPOR BARRIER.

30 REUSE STONE WINDOW SILL IN ITEM 7 IN THIS LOCATION

31 AT THE CEILING, THERE IS RUSTED REBAR THAT IS EXPOSED. COAT THE REBAR WITH RUST CONVERTER AND PAINT WITH 2 COATS ZINC CHROMATE PRIMER. CLEAN AND PATCH ENTIRE CEILING WITH EPOXY CEMENT. PAINT CEILING WITH 2 COATS OF FLAT ACRYLIC PAINT.

LEGEND

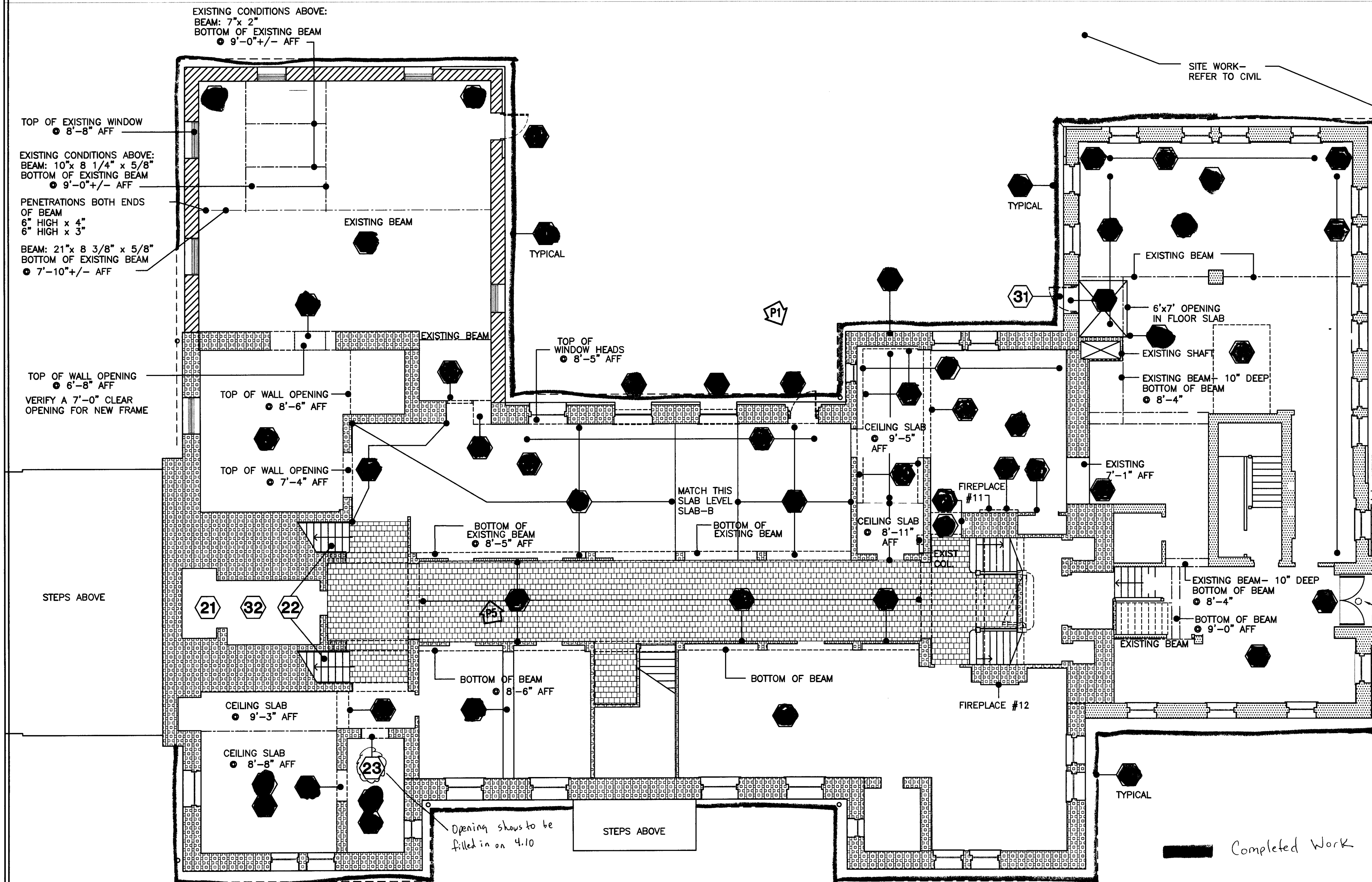
	(1915) ORIGINAL BUILDING
	(1954) FRONT ADDITION
	(1941) REAR ADDITION
	ORIGINAL TILE FLOORING
	DEMOLITION

ORIGINATION OF EXISTING DRAWINGS

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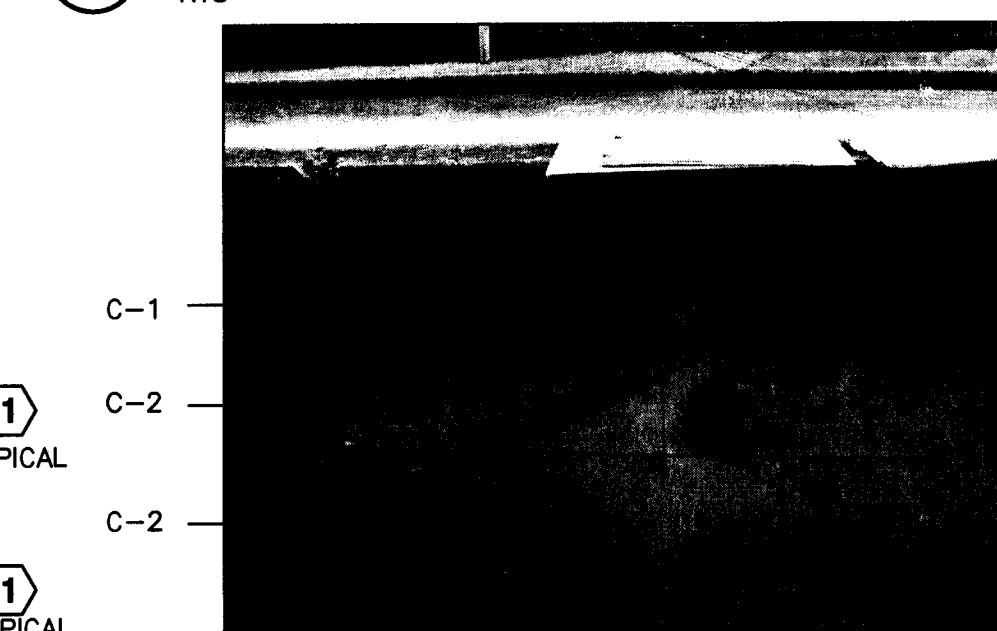
EXISTING FIRST LEVEL FLOOR PLAN
DEMOLITION PHASE 2

SCALE: 1/8"=1'-0"

P1 FIRST FLOOR DOOR, WINDOW



P2 FIRST FLOOR WEST END ENTRANCE



P3 SOUTH STEPS



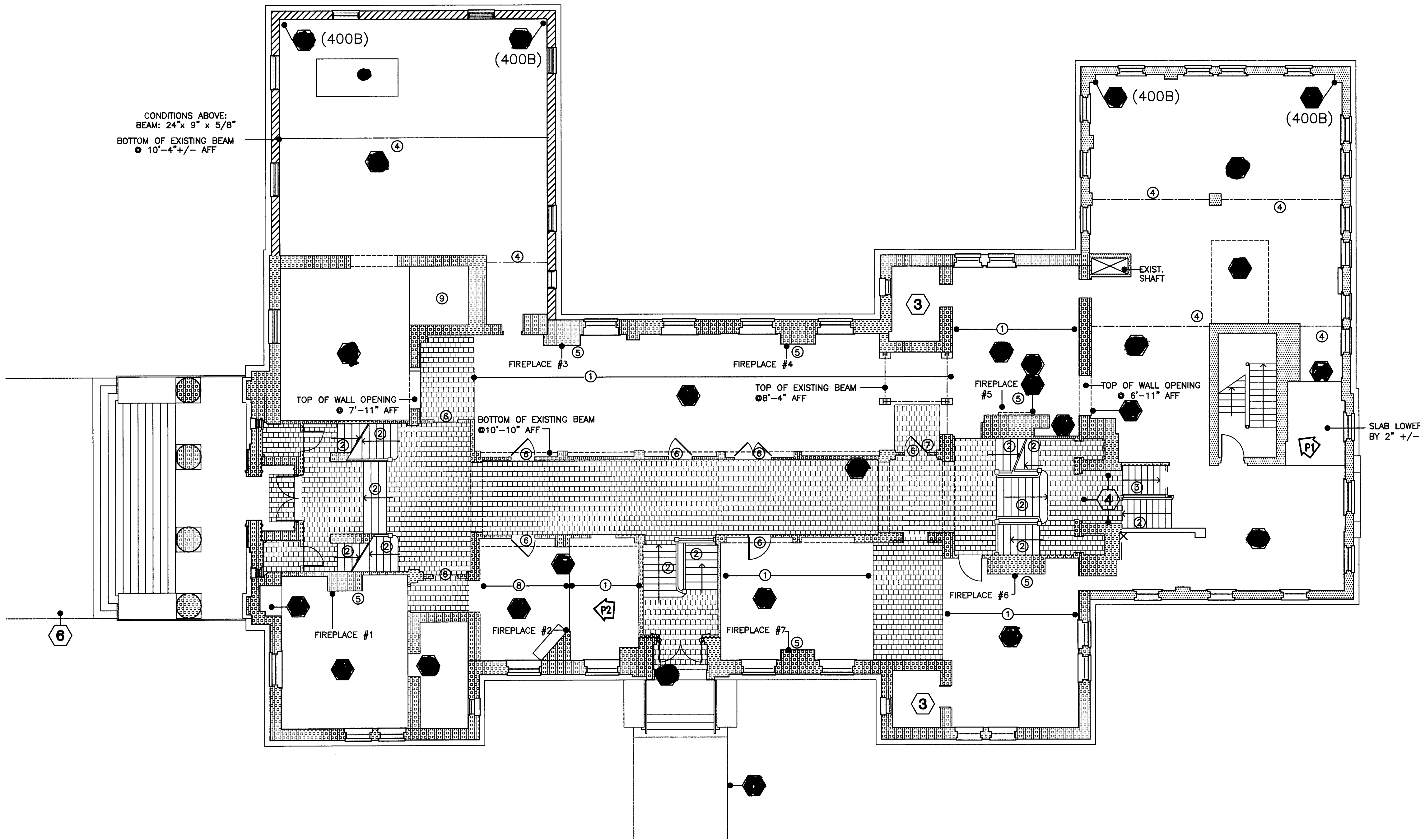
P4 NORTH STEPS



DEMOLITION/RECLAMATION OF MATERIALS AT WEST END ENTRANCE

- NORTH STEPS- REMOVE SIX (6) STONE STEPS TO BE REUSED IN CONSTRUCTION. CARE MUST BE TAKEN NOT TO BREAK, CHIP OR DAMAGE THE STONE IN ANY WAY. CLEAN ALL GROUT FROM THE STONE AND LEAVE READY FOR REUSE BY OWNER.
- SOUTH STEPS- REMOVE SIX (6) STONE STEPS TO BE REUSED IN CONSTRUCTION. CARE MUST BE TAKEN NOT TO BREAK, CHIP OR DAMAGE THE STONE IN ANY WAY. CLEAN ALL GROUT FROM THE STONE AND LEAVE READY FOR REUSE BY OWNER.
- C-1. REMOVE CAP STONE, CLEAN AND STORE FOR REUSE BY OWNER.
- C-2. REMOVE LIMESTONE WALL SLABS, CLEAN AND STORE FOR REUSE BY OWNER.

ALL STONE SHALL BE CAREFULLY CLEANED AND STORED TO PREVENT DAMAGE.



TRUE NORTH PLAN NORTH
**EXISTING SECOND LEVEL FLOOR PLAN
DEMOLITION PHASE 2**
SCALE: 1/8"=1'-0"

(P2) SLAB
NTS

(P1) SLAB
NTS



LEGEND

- ORIGINAL BUILDING (1915)
- FRONT ADDITION (1954)
- REAR ADDITION (1941)
- ORIGINAL TILE FLOORING TO REMAIN

EXISTING NOTES

- WOOD FLOORING:
VACUUM AND MOP ALL WOOD FLOORING. COVER WITH 30# FELT AND 1" B-C PLYWOOD FOR UNDERLAYMENT FOR CARPET.

MAIN COURTROOM FLOORING SHALL BE INSPECTED, REPAIRED OR BOARDS REPLACED, SANDED AND REFINISHED. FLOOR SHALL BE PROTECTED AT ALL TIMES.
- MARBLE STAIR TREAD
- RUBBER STAIR TREAD
- BEAM
- FIREPLACE - REFER TO SHEET 4.90 AND 4.91
- EXISTING TRANSOM @ DOORS
- REVERSE THE EXISTING DOOR SWING
- WOOD SLEEPERS- HAVE BEEN REMOVED
- EXISTING OPENING IN SLAB

DEMOLITION NOTES

SEE SHEET 4.00B FOR ALL APPLICABLE NOTES

- FOR ALL WINDOW RESTORATION AND REPLACEMENT REFER TO SHEETS 4.60 THROUGH 4.62.
- REMOVE ALUMINUM DOOR AND FRAME. WOOD TRIM TO REMAIN
- CUT METAL DOOR FLANGE TO PROVIDE A SMOOTH SURFACE
- REMOVE EXISTING FLOOR TILE ONLY AT AREA INDICATED
- REMOVE FLOORING/CEILING TO CREATE SHAFT FOR ELEVATOR PROVIDE SHORING AS REQUIRED FOR SUPPORT AND RAILINGS FOR SAFETY TO REMOVE CEILING/FLOORING AS REQUIRED TO CREATE SHAFT FOR ELEVATOR
- REMOVE SIDEWALK- REFER TO CIVIL
- REMOVE EXISTING WOOD FLOOR AND FRAMING. SEE STRUCTURAL FOR REPAIRS.
- WOOD FLOORING AND SLEEPERS HAVE BEEN REMOVED AND STORED IN ADJACENT SPACE FOR PATCHING AS NEEDED. FLOOR WILL BE LEVELLED WITH CEMENT TO PREPARE FOR CERAMIC TILE IN RESTROOM AND CARPET IN OFFICE.
- POUR CONCRETE OVER EXISTING SUBSLAB TO LEVEL FLOOR TO ADJACENT SURFACES.

**ORIGINATION OF
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Project No.
1390

Date
07.10.2015

Drawn
GLM

Checked
JCS

Revisions

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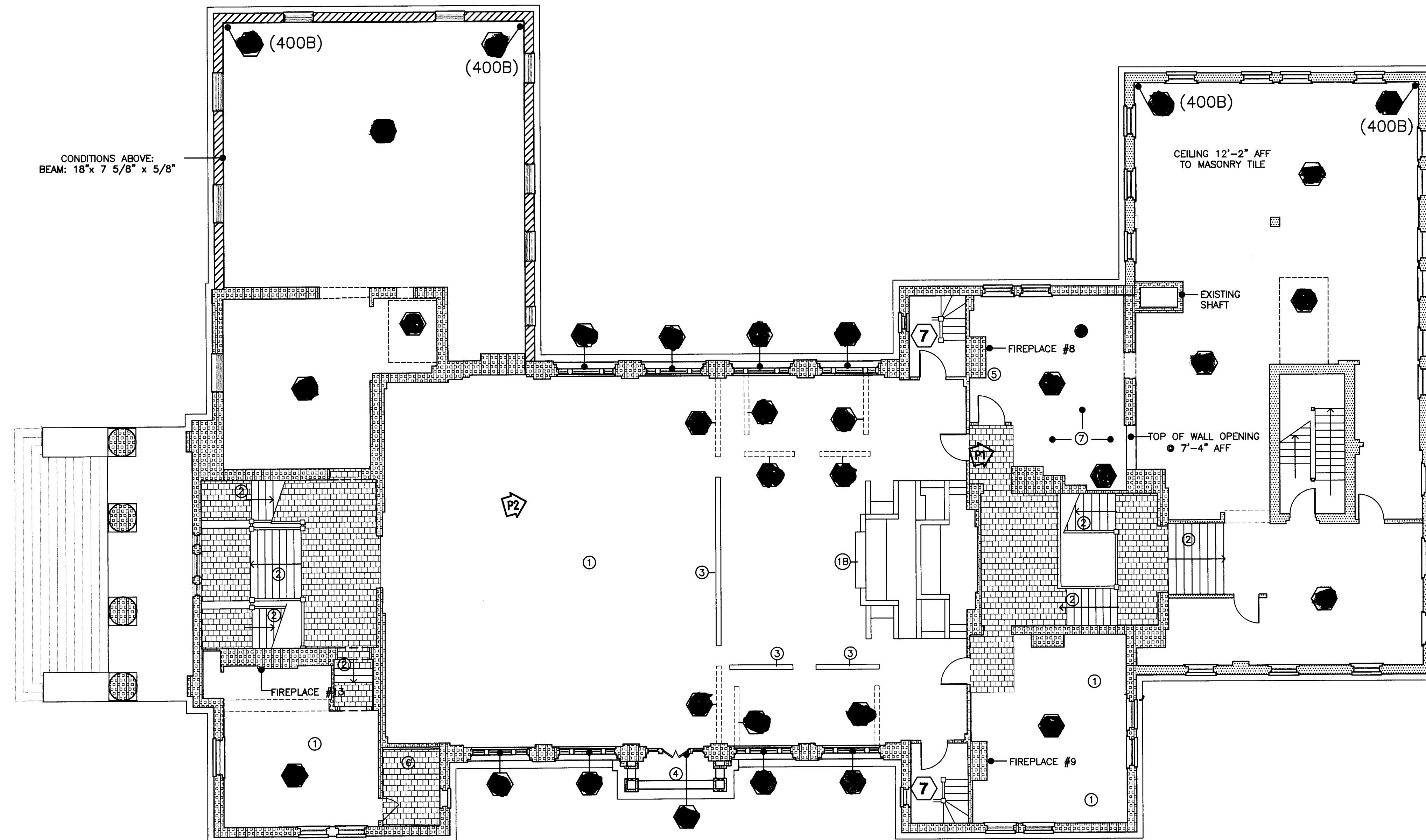
STATES CAMPBELL STEWART
1966
REGISTERED ARCHITECT
SOUTH CAROLINA

7-10-15

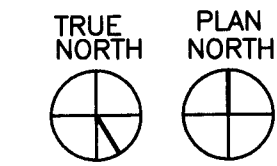
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

EXISTING 2ND FLOOR PLAN, DEMO PHASE 2

sheet **4.01B**

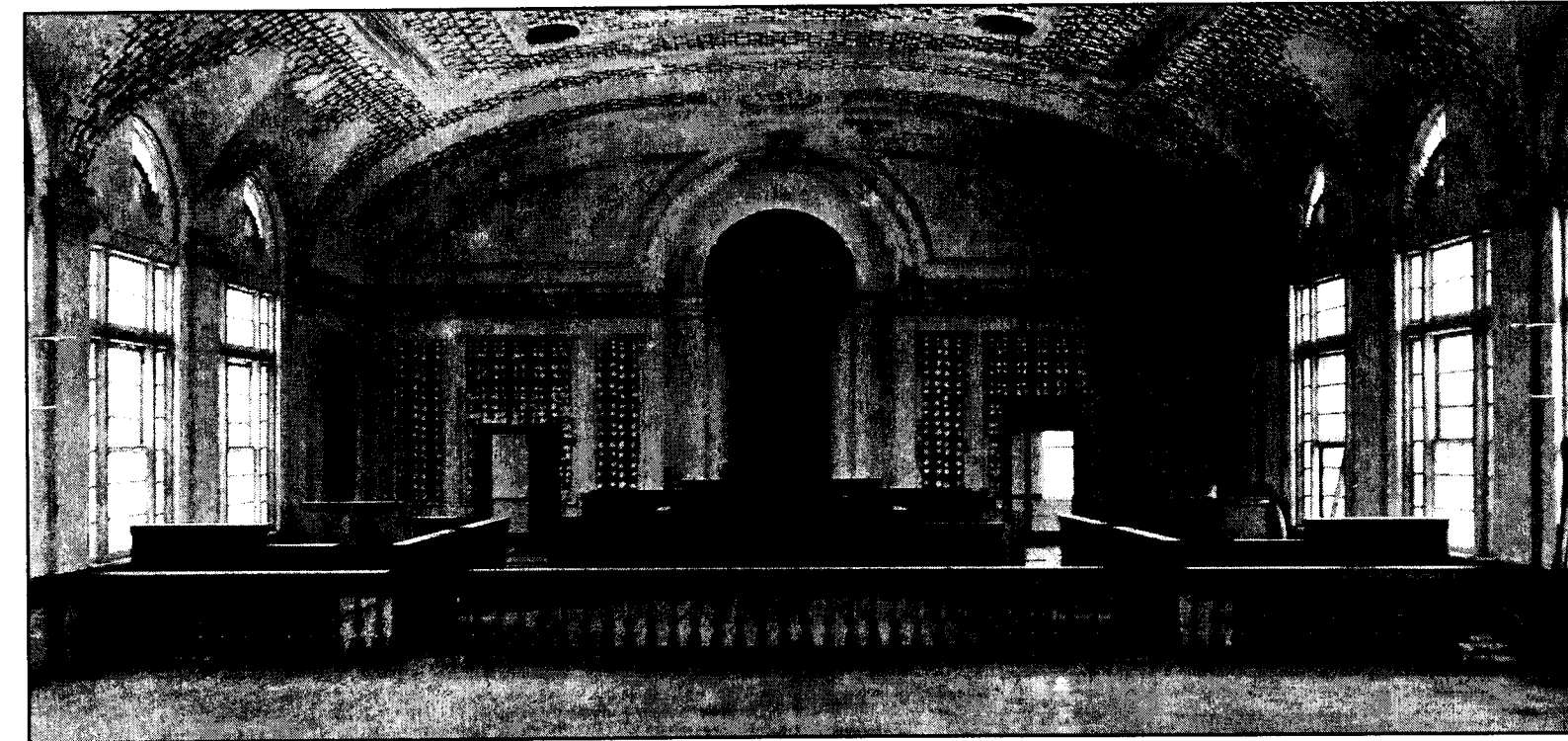


CONDITIONS ABOVE:
BEAM: 18"x 7 5/8" x 5/8"



**EXISTING THIRD LEVEL FLOOR PLAN
DEMOLITION PHASE 2**
SCALE: 1/8"=1'-0"

P2 RAILINGS
NTS



P1 SLAB
NTS



LEGEND

- ORIGINAL BUILDING (1915)
- FRONT ADDITION (1954)
- REAR ADDITION (1941)
- ORIGINAL TILE FLOORING TO REMAIN
- DEMOLITION

EXISTING NOTES

- 1 WOOD FLOORING:
WOOD RAILINGS SHALL BE REMOVED FOR RECONSTRUCTION AND REFINISHING. THE ENTIRE EXPOSED WOOD FLOOR SHALL BE REPAIRED TO BRING THE FLOOR BACK TO ITS ORIGINAL CONFIGURATION. ALONG SIDE ISLES, HOLES CAN BE PATCHED. ACCESS PANELS MUST BE INSTALLED AS DETAILED AND THE FLOORS SHALL BE REFINISHED.
- 1B COMPLETE JUDGES BENCH, CLERKS, REPORTER AND WITNESS BENCHES SHALL REMAIN IN PLACE. WOOD FLOOR BENEATH THIS AREA WILL NOT REQUIRE REFINISHING. ONLY THOSE AREAS THAT ARE EXPOSED WILL BE REFINISHED.
- 2 MARBLE STAIR TREAD
- 3 WOOD RAILING- EXISTING TO REMAIN AND BE REFINISHED
- 4 EXTERIOR RAILING REFER TO SHEET 4.92
- 5 FIREPLACE - REFER TO SHEET 4.90 AND 4.91
- 6 RAISED FLOORING TO REMAIN
- 7 FLOOR TO BE REPAIRED/ LEVELED

DEMOLITION NOTES

SEE SHEET 4.00B FOR ALL APPLICABLE NOTES

- 1 FOR ALL WINDOW RESTORATION REFER TO SHEETS 4.60.
- 2 REMOVE RAILINGS FOR RECONFIGURATION. TO BE RELOCATED WHERE BALASTER RAILINGS ARE REMOVED. REFER TO SHEET 5.42.
- 3 REMOVE EXISTING BALASTER RAILINGS INDICATED AND TURN OVER TO THE OWNER. STORE- COORDINATE WITH OWNER AND CONTRACTOR.
- 4 REMOVE CEILING/FLOORING AS REQUIRED TO CREATE SHAFT FOR ELEVATOR. PROVIDE THE REQUIRED SHAFT OPENINGS ALIGNED FROM THE FLOOR PIT THRU THE FOURTH FLOOR- REFER TO 5.34 AD 5.35 AND STRUCTURAL. VERIFY ON SITE.
- 5 REMOVE RAILINGS AND TURN OVER TO THE OWNER.
- 6 FOR ALL WINDOW REPLACEMENTS REFER TO SHEETS 4.62 AND 5.30. THIS INCLUDES ALL WINDOWS NOT DESIGNATED 1
- 7 REMOVE ALL PAINT FROM WALLS, METAL RAILINGS, HANDRAIL, CEILINGS, DOORS, TRIM, ECT. AND TOTALLY PREPARE FOR NEW FINISHES.

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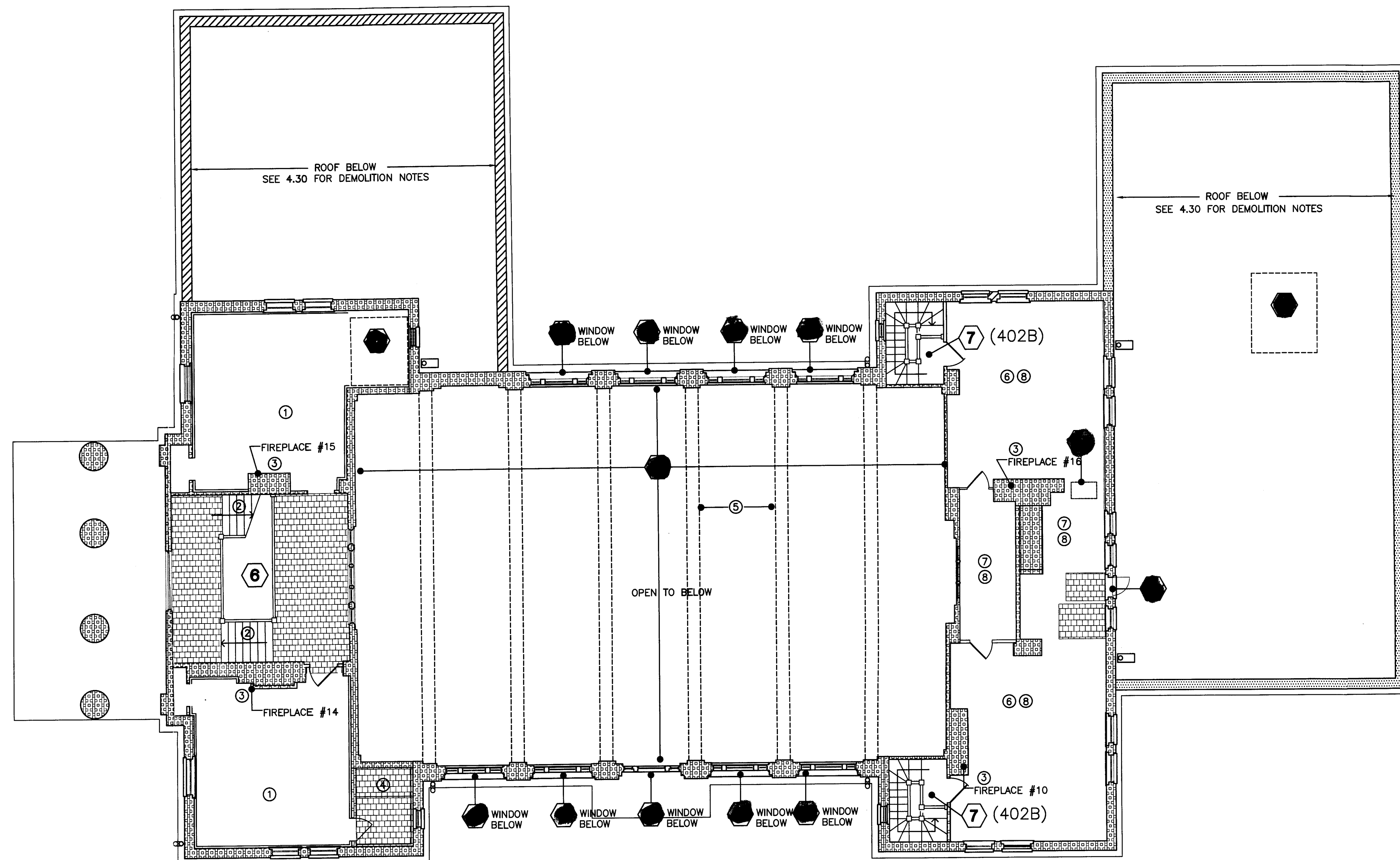
Revisions

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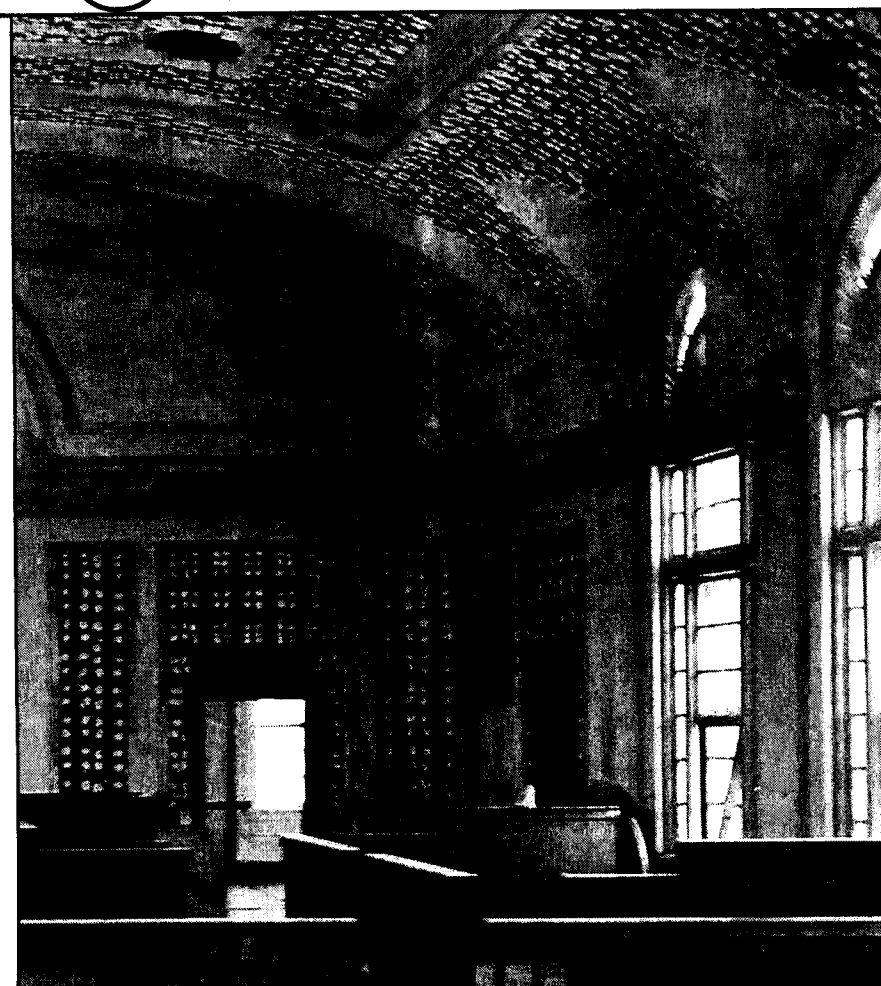
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA

EXISTING 3RD FLOOR PLAN, DEMO PHASE 2
 sheet **4.02B**



TRUE NORTH PLAN NORTH
 1 EXISTING FOURTH LEVEL FLOOR PLAN
 DEMOLITION PHASE 2
 SCALE: 1/8"=1'-0"

P1 ADHESIVE REMOVAL
 NTS



LEGEND

- ORIGINAL BUILDING (1915)
- FRONT ADDITION (1954)
- REAR ADDITION (1941)
- ORIGINAL TILE FLOORING TO REMAIN
- DEMOLITION

EXISTING NOTES

SCALE AS NOTED

- 1 WOOD FLOORING
 VACUUM, CLEAN AND MOP WOOD FLOORING. INSTALL 30# FELT AND 1" B-C PLYWOOD FOR UNDERLAYMENT FOR CARPET.
- 2 MARBLE STAIR TREAD
- 3 FIREPLACE - REFER TO SHEET 4.90 AND 4.91
- 4 RAISED FLOOR LEVEL TO REMAIN
- 5 CONCRETE BEAMS ABOVE COURT ROOM CEILING
- 6 CLEAN FLOORS AND APPLY ONE COAT OF CLEAR POLYURETHANE FLOOR FINISH
- 7 CLEAN THIS FLOOR AND INSTALL 30# FELT AND 1/2" AB PLYWOOD FLOORING- APPLY 2 COATS OF CLEAR POLYURETHANE FLOOR FINISH.
- 8 CLEAN AND PAINT ALL WALLS AND CEILINGS, DOORS AND FRAMES SHALL BE CLEANED.

DEMOLITION NOTES

SEE SHEET 4.00B FOR ALL APPLICABLE NOTES

- 1 FOR ALL WINDOW RESTORATION REFER TO SHEETS 4.60. REFER ALSO TO SHEET 4.02B
- 2 REMOVE PLYWOOD ACCESS PANEL DOOR TO ROOF
- 3 FOR ALL WINDOW REPLACEMENTS REFER TO SHEETS 4.62 AND 5.30. THIS REFERS TO ALL OTHER WINDOWS NOT LISTED ABOVE IN DEMOLITION NOTE 1.
- 4 PROVIDE SHORING AS REQUIRED FOR SUPPORT AND RAILINGS FOR SAFETY TO REMOVE CEILING/FLOORING AS REQUIRED TO CREATE SHAFT FOR ELEVATOR. PROVIDE THE REQUIRED SHAFT OPENINGS ALIGNED FROM THE FLOOR PIT THRU THE FOURTH FLOOR- REFER TO 5.34 AND 5.35. SEE STRUCTURAL VERIFY ON SITE.
- 5 REMOVE FLOORING TO CREATE SHAFT FOR DUMB WATER. PROVIDE SHORING AS REQUIRED FOR SUPPORT AND RAILINGS FOR SAFETY TO REMOVE 4TH FLOOR FLOORING AS REQUIRED TO CREATE SHAFT FOR DUMBWATER. PROVIDE A 2'X3' CLEAR OPENING SHAFT PLUS WALL THICKNESS ALL AROUND SHAFT OPENING- ALIGNED FROM THE THIRD FLOOR THRU THE FOURTH FLOOR. VERIFY LOCATION ON SITE. REFER TO STRUCTURAL 3.40
- 6 IN CEILING:
 AT LANDING 400
 REMOVE EXISTING LOUVER. REPLACE WITH TEMPERED FROSTED GLASS TO MATCH EXISTING. CLEAN EXISTING GLAZING.
 REFER TO ELECTRICAL, SHEET 4.39, 4.40 INTERIOR PAINT REMOVAL, SHEET 6.13
- 7 AT OVERHANG ABOVE THE ORIGINAL BUILDING- REFER TO DEMO NOTES ON 4.31 AND 4.34 FOR REMOVAL OF BUILT IN GUTTER, AND REMOVAL AND STORAGE OF THE COPPER CORNICE.
- 8 REMOVE ALL REMAINING PAINT AND ADHESIVE ON CEILING AND WALLS OF COURT ROOM.

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 JCS
 Revisions

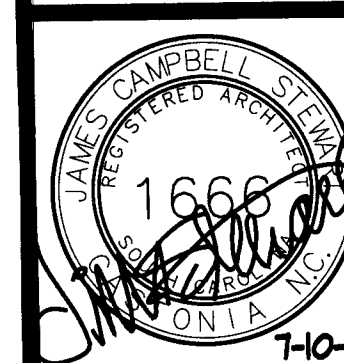
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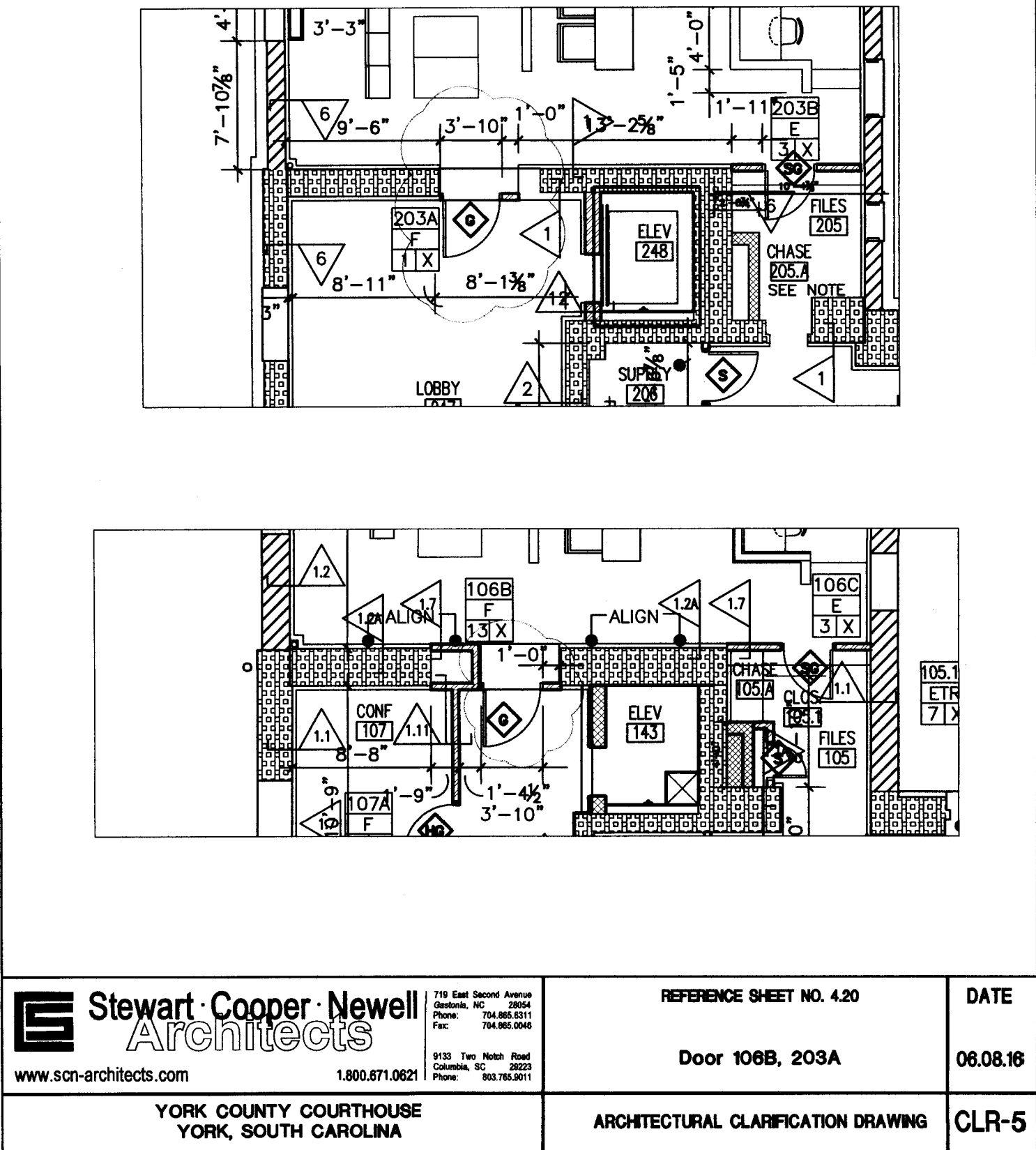
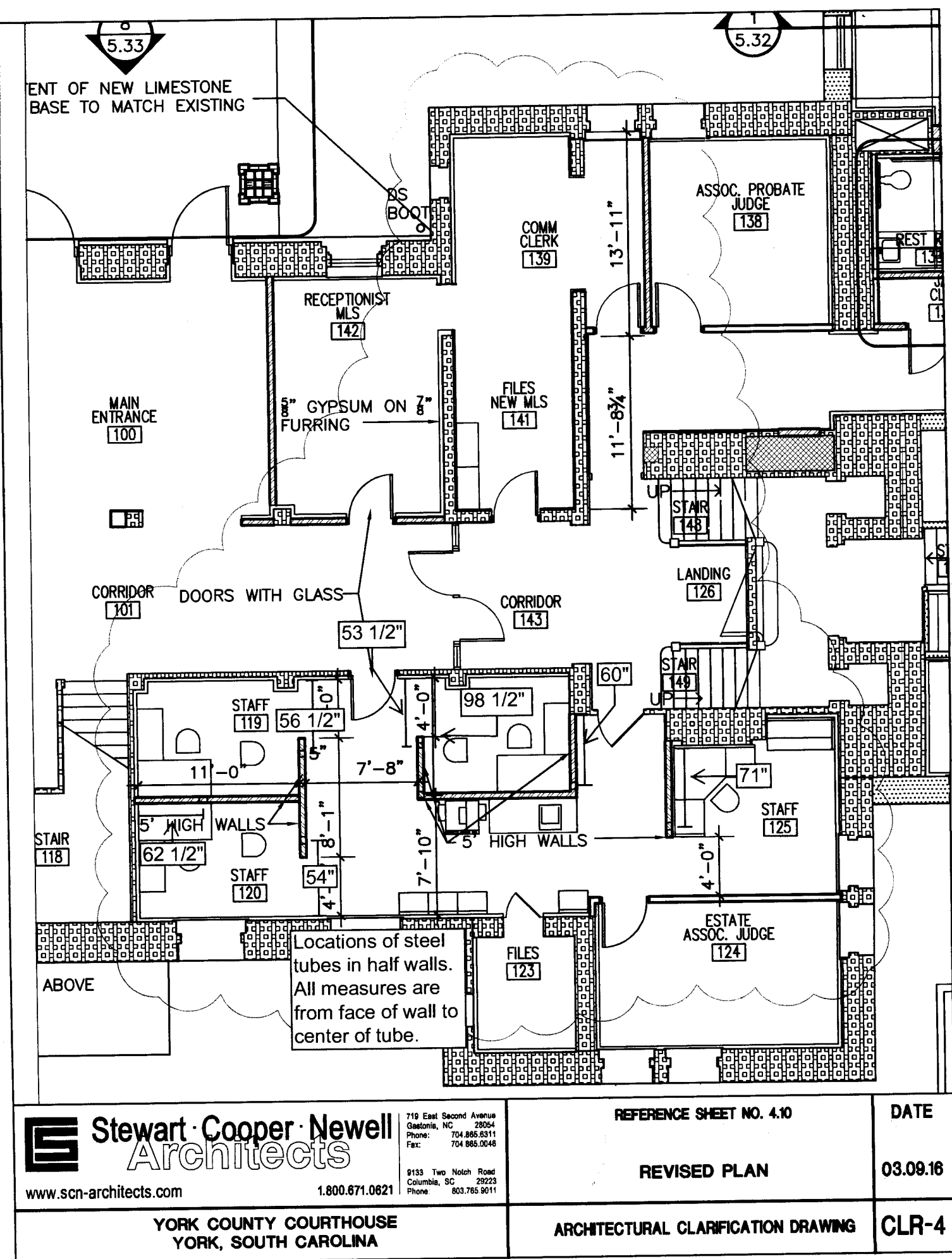
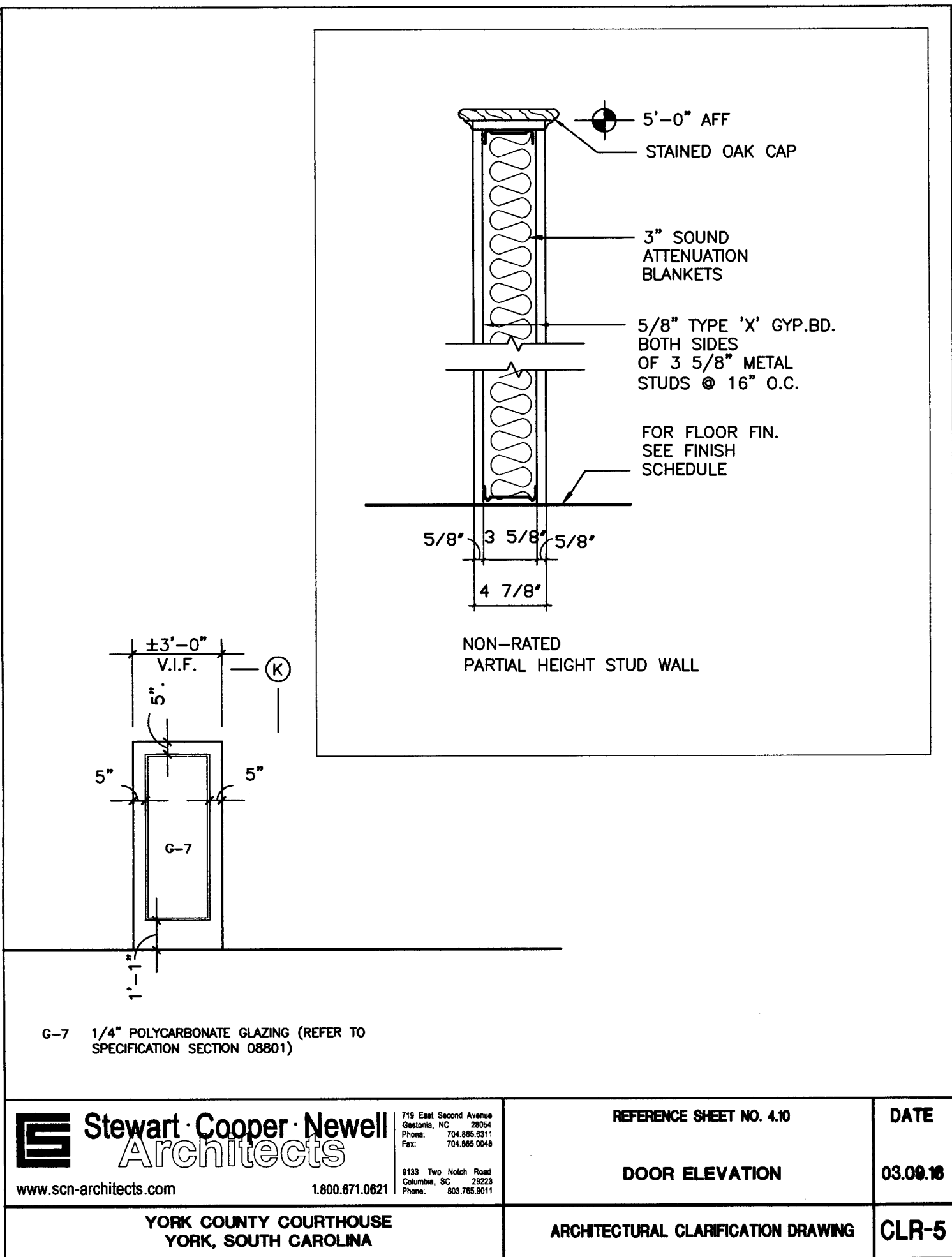
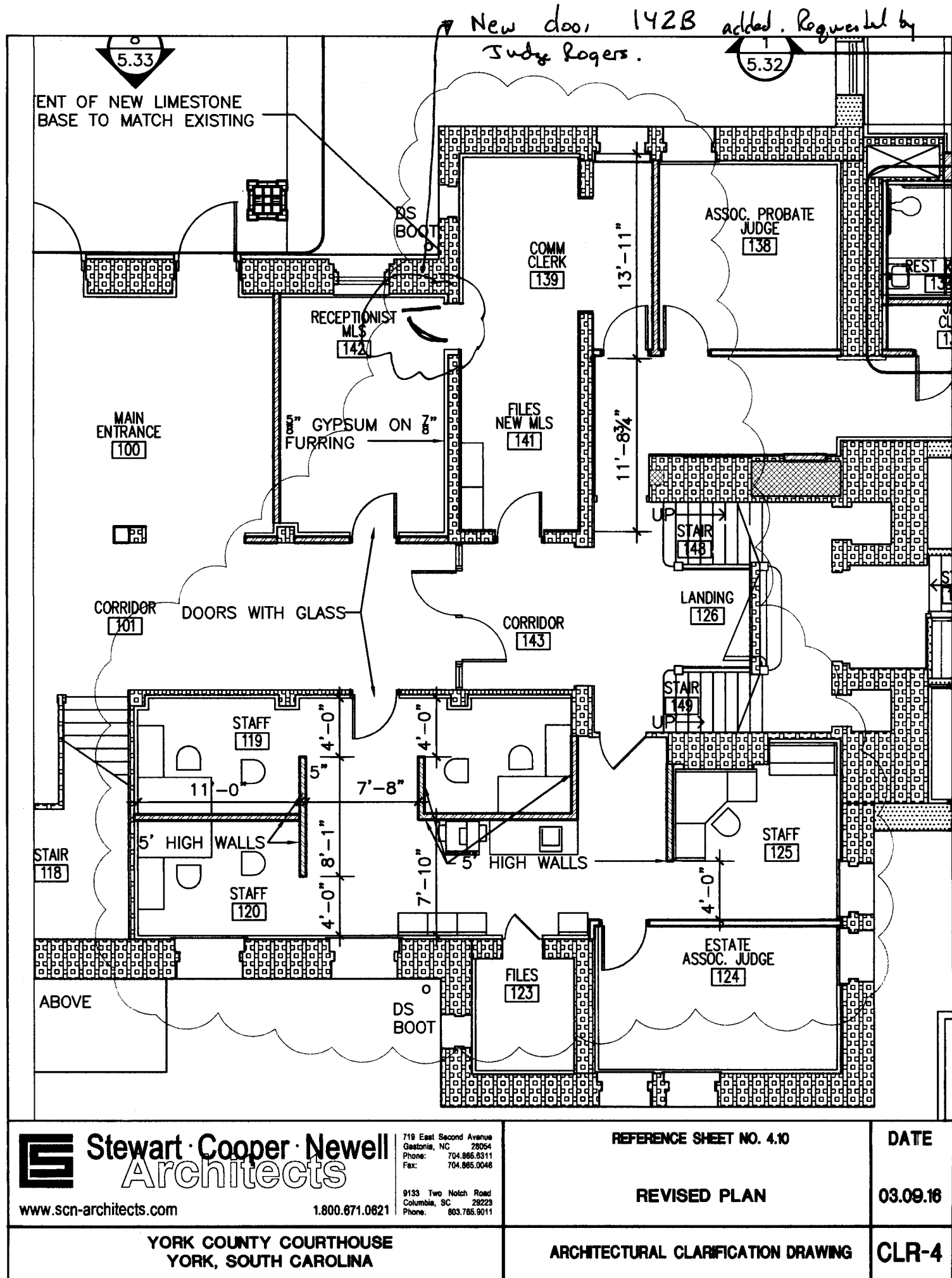
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RENOVATIONS & ADDITIONS FOR
 YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA
 EXISTING 4TH FLOOR, DEMO PHASE 2

sheet 4.03B



Kirk Broom

From: McCoy, David <david.mccoy@yorkcountygov.com>
Sent: Thursday, January 21, 2016 10:18 AM
To: Kirk Broom
Subject: Re: York County Courthouse Renovations - Meeting Minutes for 01/13/16

Follow Up Flag: Follow up
Flag Status: Flagged

Kirk
On the right side where you mentioned where the existing meter is for the Christmas tree would be fine. Thank you!

Sent from my iPhone

On Jan 21, 2016, at 9:46 AM, Kirk Broom <kbroom@ccorpusa.com> wrote:

David -

Question for you about the electrical receptacle at the front of the building. Does it matter the location for the receptacle. Would a receptacle work if we put it at the existing electrical meter for the Christmas lights for the large tree? Or would you want the receptacle on the left side of the front steps?

No rush on this just trying to make sure I note this and have the electrician install.

Thanks

Kirk Broom
Site Manager

<<http://www.ccorpusa.com>>[Visit our Website
<http://www.ccorpusa.com>]-<<http://www.ccorpusa.com>>-<<http://www.ccorpusa.com>>

Cell: (803) 984-3877
kbroom@ccorpusa.com

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Fort Mill, SC 29715
Website-<<http://www.ccorpusa.com>> Facebook-<<http://www.facebook.com/CummingCorporation>>
Twitter-<<http://twitter.com/CummingCorp>> LinkedIn-<<http://www.linkedin.com/company/cumming-corporation>>

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From: McCoy, David [mailto:david.mccoy@yorkcountygov.com]

Kirk Broom

From: Jamie McDermott <jamie@leitnerconstructionco.com>
Sent: Thursday, February 18, 2016 12:43 PM
To: Kirk Broom
Subject: RE: Knox Box.pdf

Yes sir, Thanks Kirk.

From: Kirk Broom [mailto:kbroom@ccorpusa.com]
Sent: Thursday, February 18, 2016 12:42 PM
To: Jamie McDermott <jamie@leitnerconstructionco.com>
Subject: RE: Knox Box.pdf

Knox box- Hinged Aluminum Surface mounted

Just wanted to send you what was decided in yesterday's meeting.

At the meeting with City of York Fire Inspector and Fire Marshal they did not require the knox box to be tied to the tamper switch.

Kirk Broom
Site Manager



Cell: (803) 984-3877
kbroom@ccorpusa.com

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From: Jamie McDermott [mailto:jamie@leitnerconstructionco.com]
Sent: Thursday, February 04, 2016 7:55 AM
To: Kirk Broom <kbroom@ccorpusa.com>
Subject: Knox Box.pdf

Kirk, I attached the Knox Box order form if we can get the fire marshal to pick one I'll order it. I've got a preliminary revised sprinkler drawing, but I don't know if the overhead coordination will be completed in time to submit before the flow test expires. We will need another one for the calculations on the drawings, what do you think we should do? Thanks

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 5/10/16

Ref. Spec. Section/Page: Mechanical
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

The following doors were shown as existing with wood frames, unstable existing walls were removed both prior to and during current construction. Can HM frames be installed in the following locations?
127A, 130A, 132A (Replace 132A with frame deleted from 119A).
226A, 228A (Replace 228A with deleted frame from 120A).
316A, 317A, 319A, 332A, 331B.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 5/10/16
Response:

Email response 5-12-16:
Doors 226/228 and 316 are to be wood framed with transom above as shown on wall sections. Hollow metal acceptable at other locations noted.

Recommended By (Name) _____ Company: _____ Date: _____

LEITNER
CONSTRUCTION CO., INC.

RFI #16
1 of 2

RFI # 16
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No: 4.10-4.12, 4.50

Kirk Broom

To: Melton, Gloria; Jamie McDermott
Cc: Stewart, Jim
Subject: RE: RFI #15 - 17 Limestone Clarifications.pdf

From: Melton, Gloria [mailto:gmelton@scn-architects.com]
Sent: Friday, May 13, 2016 12:18 PM
To: Jamie McDermott <jamie@leitnerconstructionco.com>; Kirk Broom <kbroom@ccorpusa.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>
Subject: RE: RFI #15 - 17 Limestone Clarifications.pdf

Agree--

Gloria Melton
Architect

Stewart Cooper Newell
Architects

719 E. Second Ave.
Gastonia NC 28054
scn-architects.com
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fx 704.865.0046
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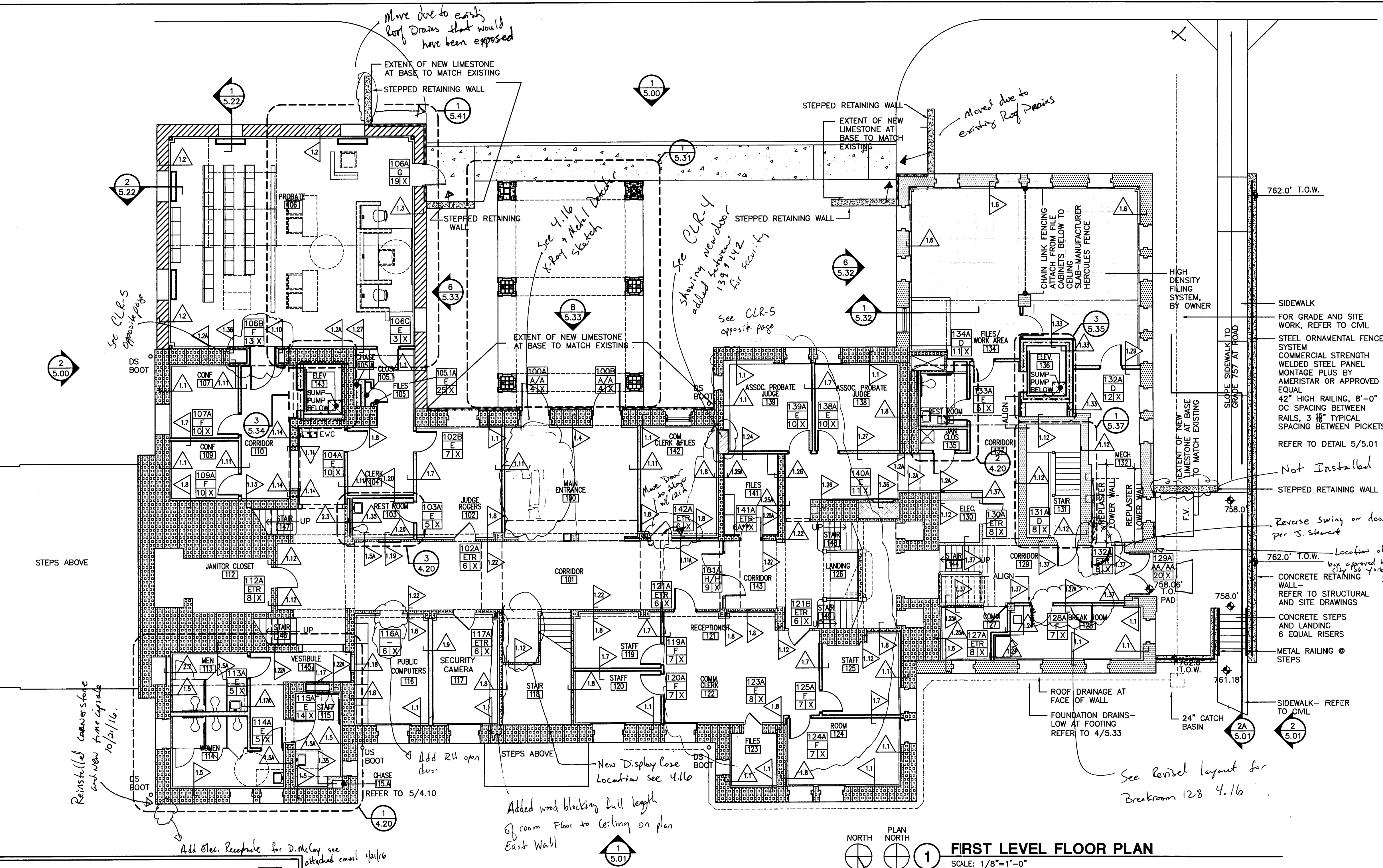
From: Jamie McDermott [mailto:jamie@leitnerconstructionco.com]
Sent: Friday, May 13, 2016 11:37 AM
To: Melton, Gloria <gmelton@scn-architects.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>; Kirk Broom <kbroom@ccorpusa.com>
Subject: RE: RFI #15 - 17 Limestone Clarifications.pdf

Gloria, I revised the attached based on our discussions and emails, this should close out the RFI's. Thanks

From: Jamie McDermott
Sent: Tuesday, May 10, 2016 3:31 PM
To: Melton, Gloria <gmelton@scn-architects.com>
Cc: 'Stewart, Jim' <jstewart@scn-architects.com>; 'Kirk Broom' <kbroom@ccorpusa.com>
Subject: RFI #17 Limestone Clarifications.pdf

Gloria,
I attached a marked up drawing we've been discussing over the last couple weeks on site for confirmation before the sub-contractor starts reviewing. I have copies of the 3 RFI's from today to review with Jim tomorrow. Thanks.

FIRST LEVEL FLOOR PLAN



ALL DOORS SHOWN ON FLOOR PLANS WITH DESIGNATION
"ETR" HERE ARE TO COME FROM THE SALVAGED DOOR
STOCK STORED ON SITE

NOTE: FOR CLARITY SOME WALL TYPE TAGS SHOWN ON ENLARGED PLANS.

GENERAL NOTES

SCALE AS NOTED

1. ALL CONTRACTORS MUST MAKE ON SITE VISITATIONS TO PROJECT SITE PRIOR TO BIDDING TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF CONSTRUCTION.
2. DISCREPANCIES: THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS OR OF ANY VARIATIONS NEEDED IN ORDER TO CONFORM TO CITY CODE, RULES AND REGULATIONS. UPON RECEIPT OF SUCH INFORMATION, THE ARCHITECT WILL SEND WRITTEN INSTRUCTION TO ALL CONCERNED. ANY SUCH DISCREPANCY, OMISSION, OR VARIATION NOT REPORTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND WORK SHALL BE PERFORMED IN A MANNER DIRECTED BY THE ARCHITECT.
3. EXISTING CONDITIONS: ALL EXISTING INFORMATION WAS TAKEN FROM DRAWINGS FURNISHED BY THE OWNER WHICH MAY OR MAY NOT BE CORRECT. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE. ANY DISCREPANCIES OR VARIATIONS FROM THE CONDITIONS SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONS USING THE SURROUNDING FACILITIES WHO COME IN CONTACT WITH THE AREA OF CONSTRUCTION. HE SHALL PROPERLY BARRICADE THE AREA TO PREVENT INTRUSION BY PERSONS NOT ASSOCIATED WITH CONSTRUCTION.
5. DRAWING SCALES: THESE DRAWINGS ARE PREPARED TO THE SCALES NOTED, HOWEVER, DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THE PLANS, SECTIONS OR DETAILS. IF THERE IS ANY QUESTION ABOUT DETAILS OR DIMENSIONS, CONTACT THE ARCHITECT FOR INFORMATION PRIOR TO STARTING WORK.
6. ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES.
7. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.
8. CONTRACTOR SHALL MEET WITH THE ARCHITECT PRIOR TO CONSTRUCTION OF THE PROJECT TO REVIEW ALL EXISTING CONDITIONS AND THE EXACT EXTENT OF THE WORK TO BE COMPLETED. (PRE-CON MEETING)
9. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 IBC BUILDING CODE AND ALL OTHER LOCAL CODES & REGULATIONS HAVING JURISDICTION.
10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING CONSTRUCTION AROUND THE SITE WHICH WILL REMAIN. ANY DAMAGES SHALL BE REPAIRED TO THE OWNERS' SATISFACTION AT NO COST TO OWNER.
11. SLOPE ALL EXTERIOR LANDINGS, WALKS, PORCHES, STEPS, ETC. 1/16" / FT. AWAY FROM BUILDING FOR DRAINAGE UNLESS NOTED OR SHOWN OTHERWISE.
12. FRAMING LUMBER IN CONTACT WITH MASONRY, CONCRETE, OR STEEL SHALL BE PRESSURE TREATED.
13. GENERAL CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS LOOSE STEEL LINTELS AS REQUIRED WHERE MECH., PLUMBING, OR ELECTRICAL EQUIPMENT PASS THRU FLOORS OR OVER ANY BUILT-IN ITEMS IN MASONRY WALLS.
14. SLOPE FLOOR TO FLOOR DRAINS. COORDINATE ALL FLOOR DRAINS WITH PLUMBING CONTRACTOR & TILE INSTALLER. DRAINS ARE TO BE CENTERED IN TILE FLOOR.
1/2" @ 10'
15. PROVIDE WEEP HOLES @ 16" O.C. CENTERED OVER ALL MASONRY OPENINGS.
16. FIRE PENETRATION NOTES APPLY TO ALL TRADES. CONTRACTOR IS RESPONSIBLE FOR COMPLETE COORDINATION.
17. PROVIDE FIRE TREATED LUMBER AS REQUIRED BY THE BUILDING CODE.
18. PROVIDE BLOCKING IN METAL STUD WALLS AS REQUIRED FOR ALL SUSPENDED ITEMS INCLUDING BUT NOT LIMITED TO E.W.C., TOILET ACCESSORIES, PLUMBING, MECHANICAL, ELECT., & ETC. - CO-ORDINATE W/ OTHER TRADES.
19. DO NOT CUT ANY LAY-IN ACOUSTICAL CEILING PANELS LESS THAN 6" UNLESS INSTRUCTED BY ARCHITECT. LAY-IN CLG. PANELS TO BE EQUALLY SPACED IN AREA. SEE SHEET 6.10.
20. DIMENSIONS SHOWN ON FLOOR PLANS ARE TO FACE OF EXISTING WALL OR NEW STUD UNLESS NOTED OTHERWISE. FIELD VERIFY DIMENSIONS.
21. UNLESS NOTED OTHERWISE CARRY ALL FIRE RATED WALLS AND PARTITIONS TO STRUCTURE ABOVE.
22. NO CORE OF BRICKS SHOULD BE EXPOSED. USE SOLID BRICK WHERE REQUIRED TO KEEP CORES FROM BEING VISIBLY EXPOSED.
23. CMU WALLS DIMENSIONED 8" NOM U.N.O.

PLAN NOTES

1. NEW LIMESTONE TO MATCH EXISTING- INDICATED ON THIS PLAN
2. REPAIR SLAB AT ALL AREAS IN ORDER TO PROVIDE AN SMOOTH AND LEVEL SURFACE
3. IN THE PROBATE COURT: PROVIDE MILLWORK FOR FLOOR MECHANICAL UNITS- SIMILAR TO MILLWORK FOR MAIN COURT ROOM ON THIRD FLOOR.
4. REFER TO DETAILS ON SHEET 5.22
5. FOR THE SIZE AND LOCATION OF CHASES 105.A AND 115.A, COORDINATE WITH MECHANICAL AND PLUMBING IN FIELD. ALL WALLS TO ALIGN WITH WALLS ABOVE AND BELOW.
6. FOR SIZE & LOCATION OF THE CHASE AT STAFF 115 COORDINATE WITH MECHANICAL & PLUMBING IN FIELD. WALLS TO ALIGN WITH WALLS ABOVE.

ORIGINATION OF EXISTING DRAWINGS

THE CONTRACT DRAWINGS WERE PREPARED BASED ON EXISTING DRAWINGS, SITE SURVEY, ENVIRONMENTAL TESTING, SOIL BORINGS AND OTHER DOCUMENTS AND INFORMATION PROVIDED TO THE ARCHITECT BY YORK COUNTY. ACTUAL FIELD CONDITIONS MAY VARY FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS AND COORDINATING ANY VARIANCES WITH THE OWNER AND ARCHITECT PRIOR TO DEMOLITION OR CONSTRUCTION.

NOTE

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WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER QUANTITY OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.
1390

Date
07.10.2015
Drawn
GLM
Checked
JCS
Revisions

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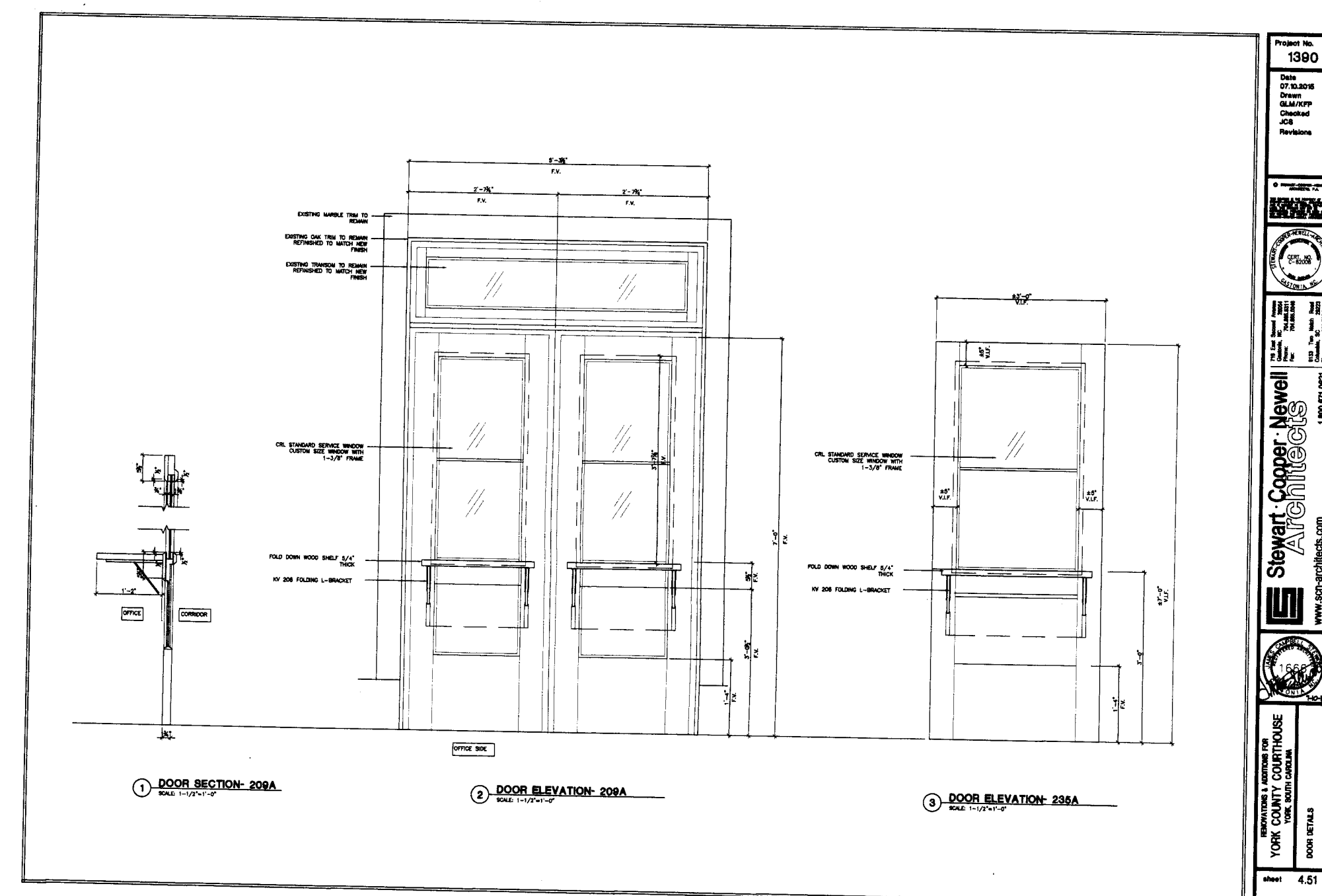
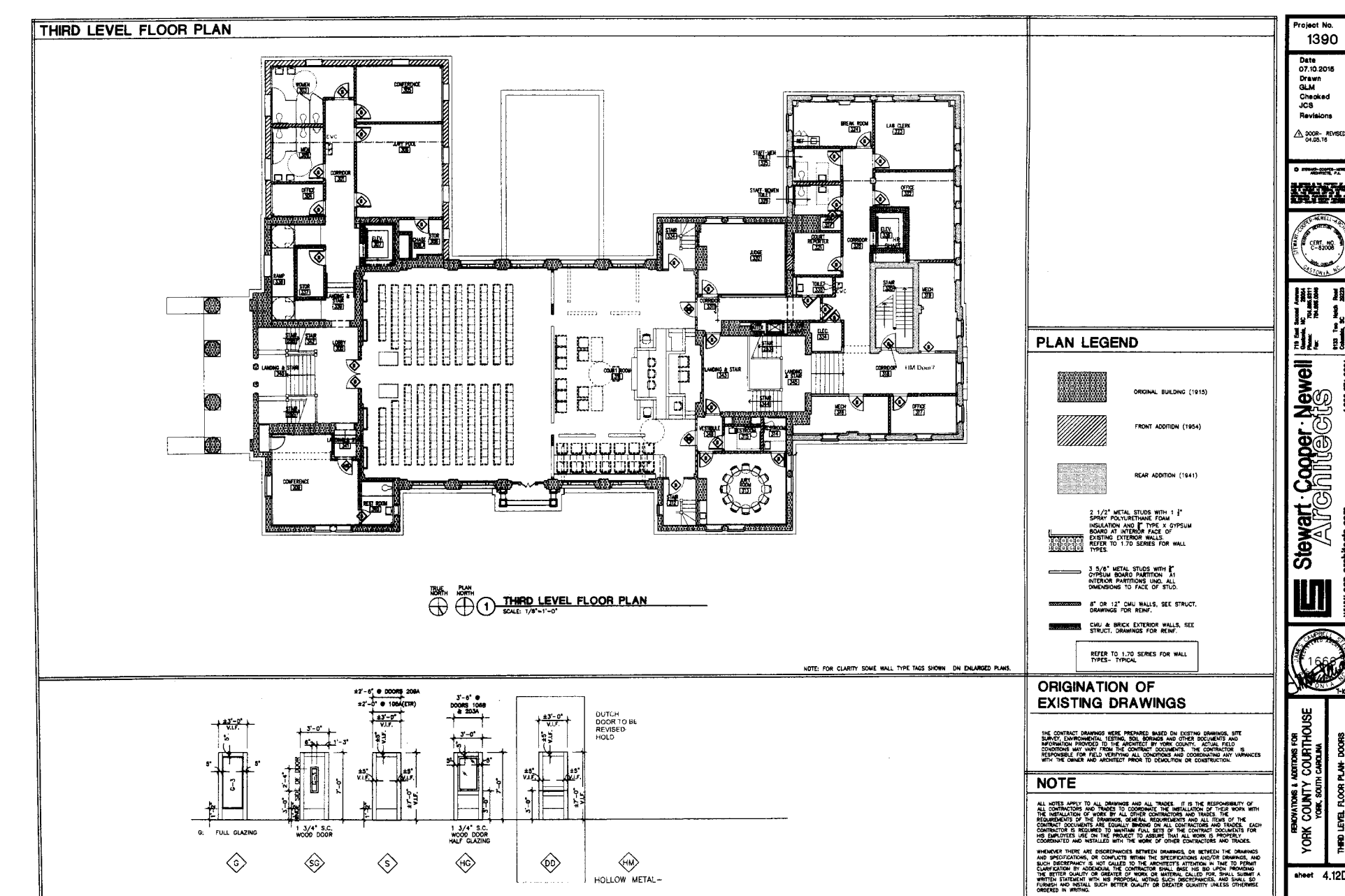
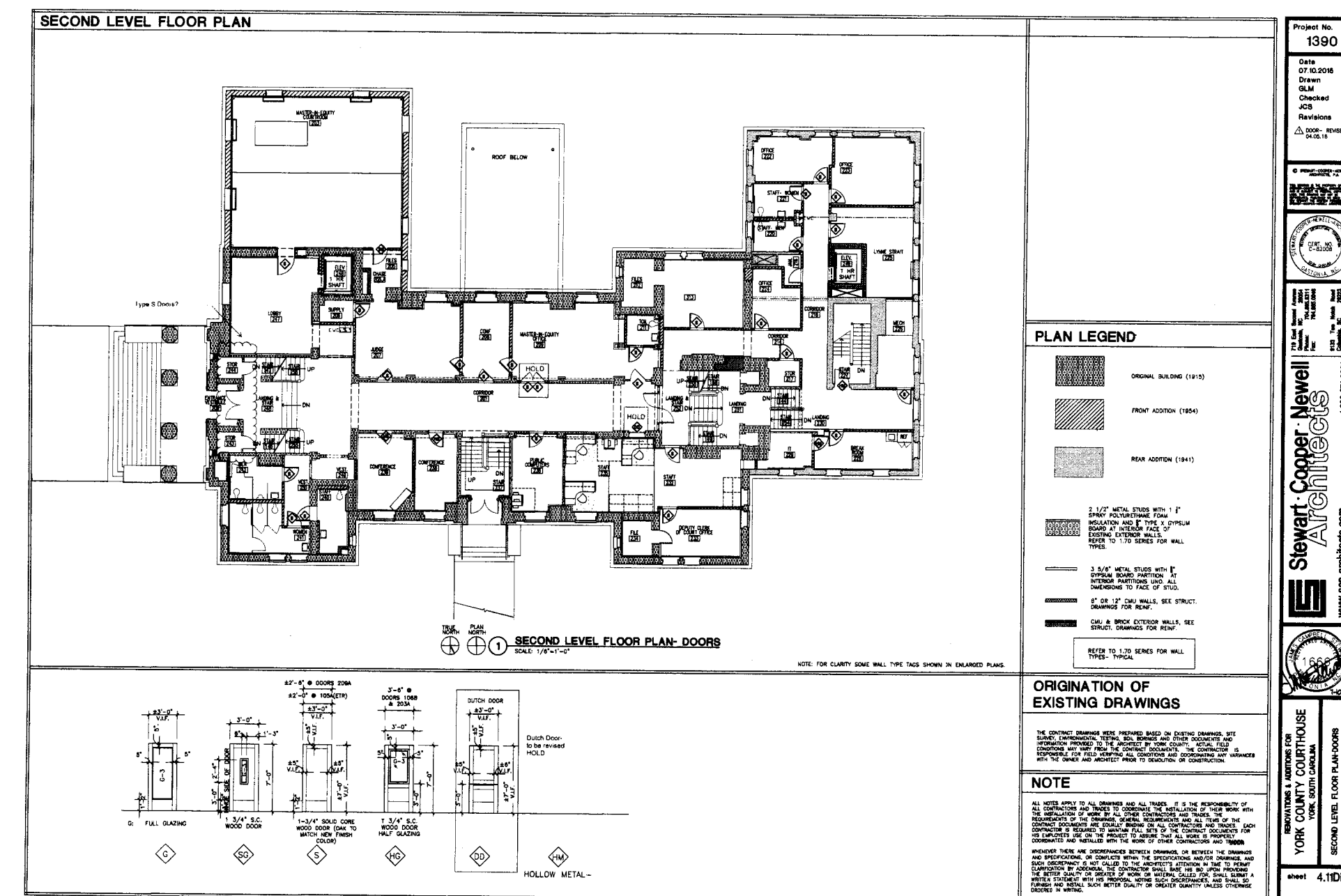
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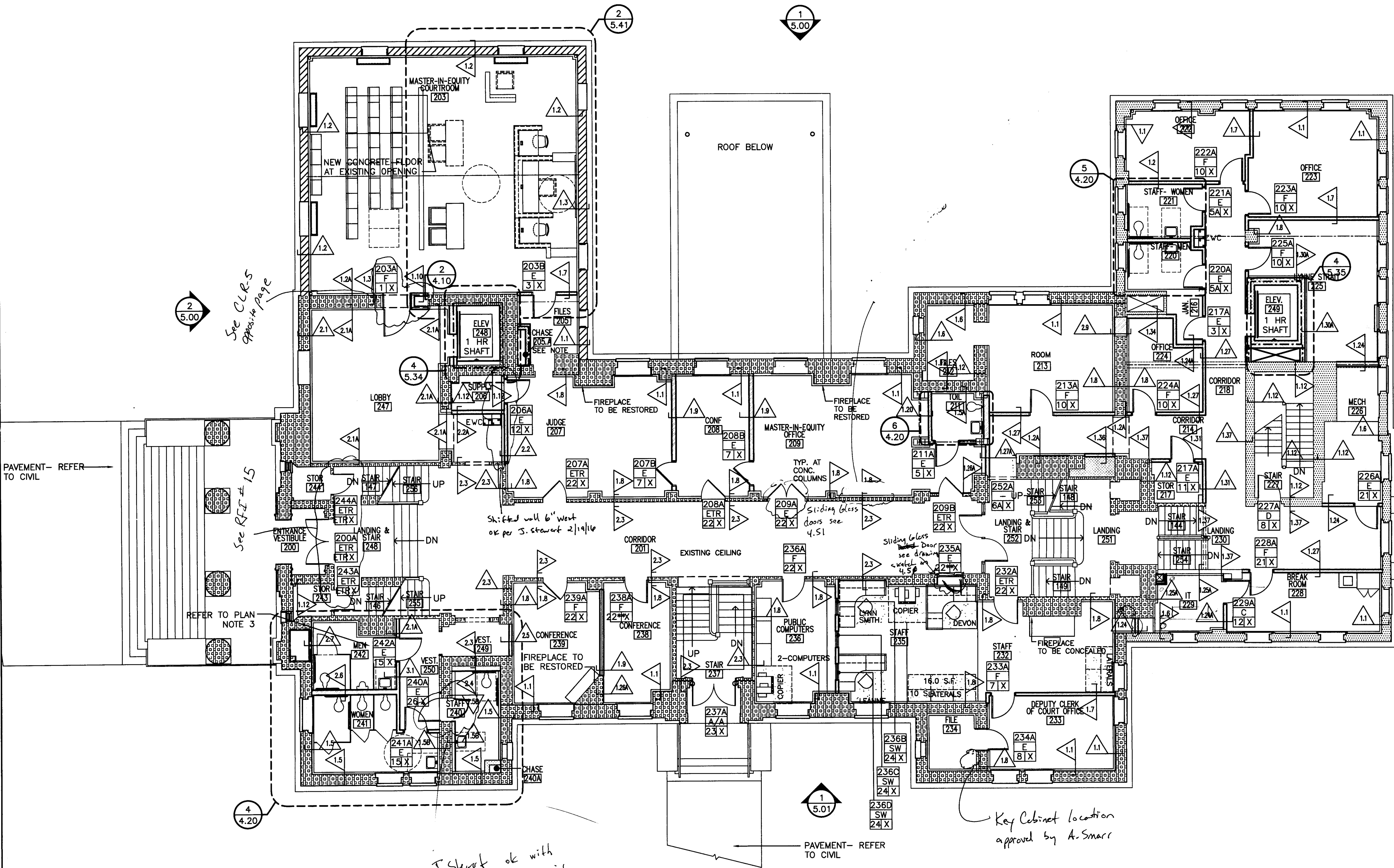
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sheet 4.10



SECOND LEVEL FLOOR PLAN



TRUE NORTH PLAN NORTH 1 SECOND LEVEL FLOOR PLAN SCALE: 1/8"=1'-0"

ALL DOORS SHOWN ON FLOOR PLANS WITH DESIGNATION "ETR" HERE ARE TO COME FROM THE SALVAGED DOOR STOCK STORED ON SITE

PLAN NOTES

- FIRE PLACES TO BE RESTORED. REFER TO SHEET 4.90 AND 4.91.
- ELEVATORS— (2) KONE ECOSPACE MACHINE ROOM—LESS FRONT OPENING 2000 LB. CAPACITY OR EQUAL SPANS 3 LEVELS
- REMOVE HEARTH AT FIREPLACE LOCATION
- REPAIR CONCRETE SLAB/ FLOORING WITH WIRE MESH AND GROUT WITH NON SHRINK OR EPOXY GROUT.
- REPAIR WALLS
- IN THE MASTER OF EQUITY COURTROOM: PROVIDE MILLWORK FOR FLOOR MECHANICAL UNITS— SIMILAR TO MILLWORK FOR MAIN COURT ROOM ON THIRD FLOOR. REFER TO DETAILS ON SHEET 5.40
- AT EXISTING WOOD FLOORING ON THE 2ND LEVEL: THOROUGHLY VACUUM OUT ALL DIRT AND DUST. MOP ALL WOOD FLOOR SURFACES. FILL ALL DEPRESSIONS AND BROKEN AREAS WITH TROWELING AND LEVELING COMPOUND. COVER FLOORS WITH 30# FELT. INSTALL 1/2" B-C PLYWOOD OVER FELT AND WOOD FLOORING. THE PLYWOOD WILL SERVE AS A BSE FOR THE CARPET INSTALLATION.
- AT CONFERENCE ROOM 239 FLOOR: APPLY LEVELING COMPOUND AND CONCRETE TO MATCH HEIGHT OF FLOOR LEVEL OF ADJOINING CORRIDOR. REFER TO PHOTO OF EXISTING CONDITION P2 ON 4.01B
- FOR THE SIZE AND LOCATION OF THE MASONRY CHASES 205.A AND 240A— COORDINATE WITH MECHANICAL AND PLUMBING IN FIELD.
- FOR THE SIZE AND LOCATION OF THE CHASE IN STAFF 240— COORDINATE WITH MECHANICAL AND PLUMBING IN FIELD.

PLAN LEGEND

- ORIGINAL BUILDING (1915)
- FRONT ADDITION (1954)
- REAR ADDITION (1941)

2 1/2" METAL STUDS WITH 1 1/2" SPRAY POLYURETHANE FOAM INSULATION AND 5/8" TYPE X GYPSUM BOARD AT INTERIOR FACE OF EXISTING EXTERIOR WALLS. REFER TO 1.70 SERIES FOR WALL TYPES.

3 5/8" METAL STUDS WITH 5/8" GYPSUM BOARD PARTITION AT INTERIOR PARTITIONS UNDO. ALL DIMENSIONS TO FACE OF STUD.

8" OR 12" CMU WALLS, SEE STRUCT. DRAWINGS FOR REINF.

CMU & BRICK EXTERIOR WALLS, SEE STRUCT. DRAWINGS FOR REINF.

REFER TO 1.70 SERIES FOR WALL TYPES— TYPICAL

ORIGINATION OF EXISTING DRAWINGS

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Project No. 1390

Date 07.10.2015
Drawn GLM
Checked JCS
Revisions

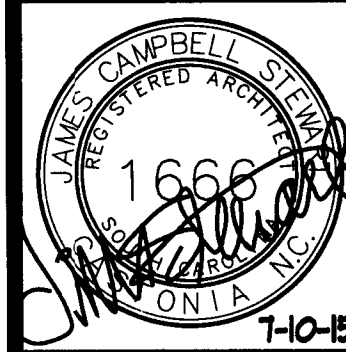
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
SECOND LEVEL FLOOR PLAN

sheet 4.11

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

RFI # 27
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Sub/Vendor: Lomax Tile

Project: York County Courthouse

Date: 11/14/16

Response Required By: SCN Architects

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Drawing/Detail No: 4.12, 7.00

Problem/Conflict:

1. The finished schedule calls for corridor 331 walls to match corridor 101 (marble base only), wall sections provided show the marble wainscot. Can you clarify the area as to what is required for the walls in corridor 331?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 11/14/16

Response:

wall types on 4.12, Third level floor plan- indicate wall types 2.5 and 2.1a- indicate the marble wainscot
wall type 2.3- indicates existing marble wainscot

Recommended By (Name) Gloria Melton Company: _____ Date: 11.14.16

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Thursday, February 18, 2016 12:33 PM
To: Kirk Broom; Jamie McDermott
Cc: Stewart, Jim
Subject: York

Response to floor finishes:
Refer to the notes on 4.12 and 4.13, and also to Jim's responses on site at the judges room on the third floor yesterday- to take up the bad wood flooring in that room and pour concrete.

Response to the shelf at the security windows on the second floor:
We will verify with David Hamilton if a shelf is required.

Response to the opening at the staff room on the second floor: When we get the shop drawings for the doors- we will design the dutch door with a fold down shelf.

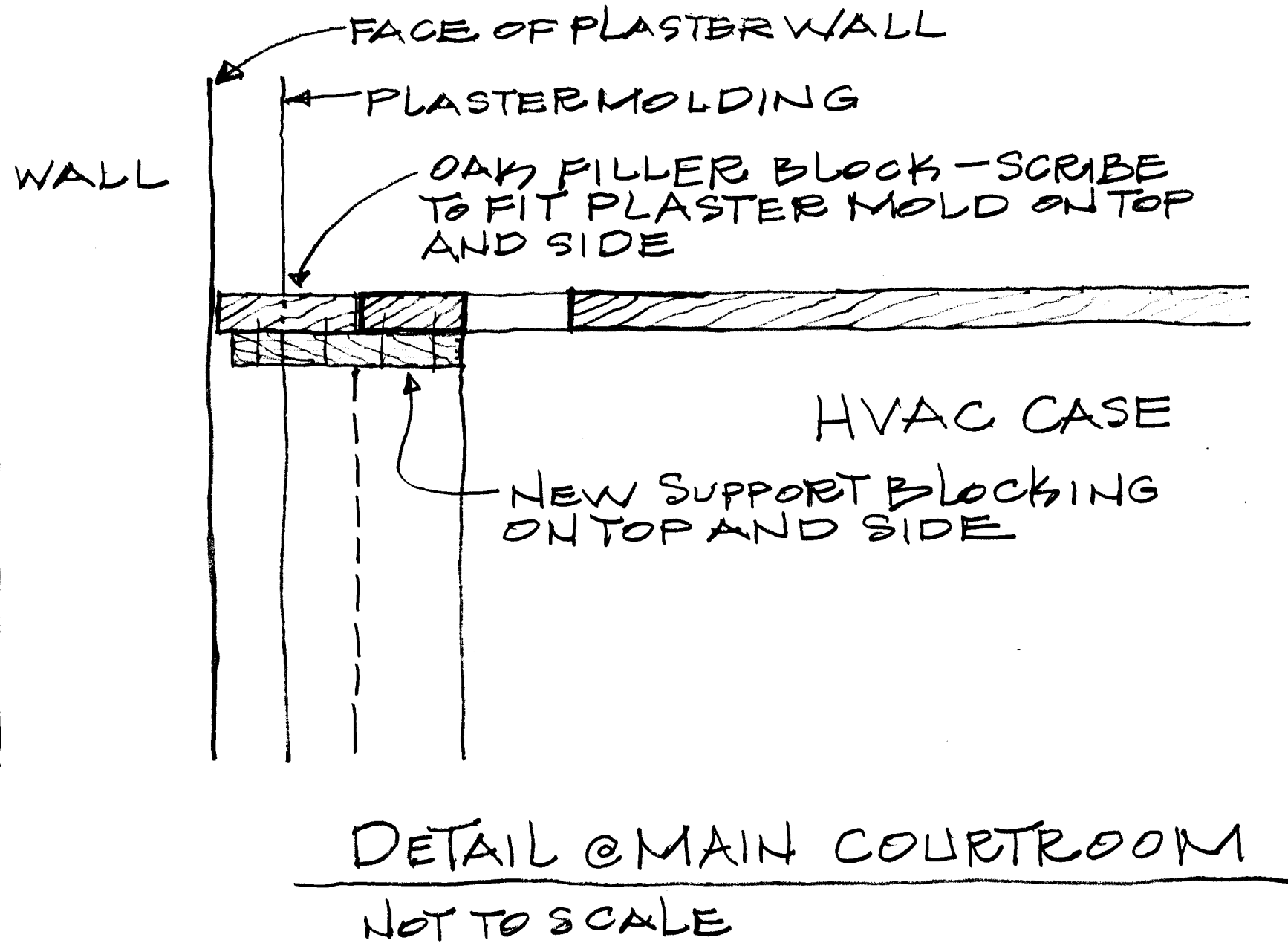
Per J. Stewart 2/19/16 - Site Visit - Discussed room 332 that G. Melton mentions in the email. J. Stewart is ok with covering this floor w/ plywood and then carpet.

Gloria Melton
Architect

Stewart Cooper Newell
Architects

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Gastonia NC 28054 fx 704.865.0046
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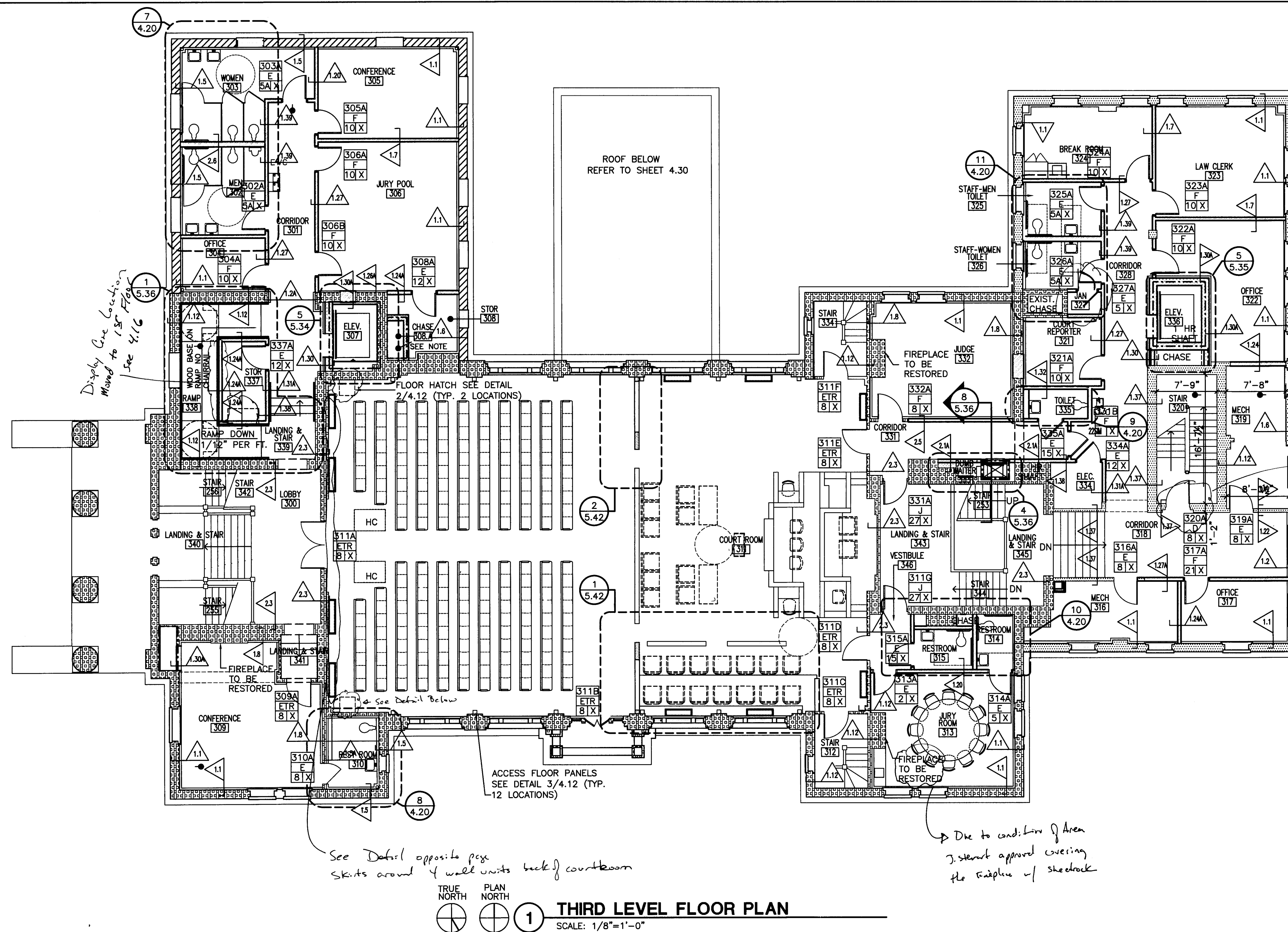
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Stewart Cooper Newell
719 East Second Avenue, Gastonia, NC 28054

Project: York
Date: 10-17-16

THIRD LEVEL FLOOR PLAN



1 THIRD LEVEL FLOOR PLAN
SCALE: 1/8"=1'-0"

PLAN NOTES

- FIRE PLACES TO BE RESTORED. REFER TO SHEET 4.90 AND 4.91.
- ELEVATORS- (2) KONE ECOSPACE MACHINE ROOM-LESS FRONT OPENING 2000 LB. CAPACITY WITH REMOTE CONTROL ROOM OR EQUAL. SPANS 3 LEVELS, FROM 1ST TO 3RD FLOOR
- PEWS FOR 210 SEATING
SOLID BACK AND SEAT WITH RECLINE, BODY #3011106 WITH ENDS #3021305.
BY SAUDER OR APPROVED EQUAL. REFER TO 5.42
- COMMERCIAL DUMB WAITER- ALTERNATE #2
MEDIUM DUTY (200- 750 POUNDS) BY MATOT OR EQUAL-SEE SPECS
- COURTROOM FLOOR SHALL BE REPAIRED, SANDED, STAINED AND REFINISHED, REFER TO SPECIFICATIONS.
- SEE SPECIFICATIONS SECTION 096408- WOOD FLOORING- RESTORATION AND REPLACEMENT. THE COURT ROOM IS THE ONLY WOOD FLOOR THAT IS TO BE REPAIRED RESTORED AND REFINISHED.
- ALL OTHER EXISTING WOOD FLOORING ON THE 3RD LEVEL: THOROUGHLY VACUUM OUT ALL DIRT AND DUST. MOP. WOOD FLOOR SURFACES. FILL ALL DEPRESSIONS AND BROKEN AREAS WITH TROWELING AND LEVELING COMPOUND. COVER FLOORS WITH 30# FELT. INSTALL 1/2" B-C PLYWOOD OVER FELT AND WOOD FLOORING. THE PLYWOOD WILL SERVE AS A Base FOR CARPET INSTALLATION.
- FOR THE SIZE AND LOCATION OF THE CHASE 308.A COORDINATE WITH MECHANICAL AND PLUMBING IN FIELD.
- CONTRACTORS OPTION:
AT STAIR 339
CONTRACTOR HAS THE OPTION TO USE LIGHTWEIGHT CONCRETE REFER TO 5.36.

PLAN LEGEND

- ORIGINAL BUILDING (1915)
- FRONT ADDITION (1954)
- REAR ADDITION (1941)
- 2 1/2" METAL STUDS WITH 1 1/2" SPRAY POLYURETHANE FOAM INSULATION AND 1/2" TYPE X GYPSUM BOARD AT INTERIOR FACE OF EXISTING EXTERIOR WALLS. REFER TO 1.70 SERIES FOR WALL TYPES.
- 3 5/8" METAL STUDS WITH 1/2" GYPSUM BOARD PARTITION AT INTERIOR PARTITIONS UNO. ALL DIMENSIONS TO FACE OF STUD.
- 8" OR 12" CMU WALLS, SEE STRUCT. DRAWINGS FOR REINF.
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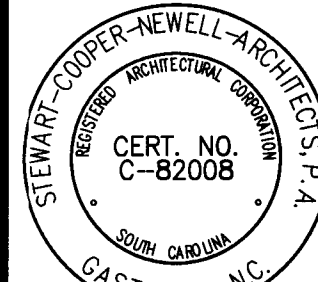
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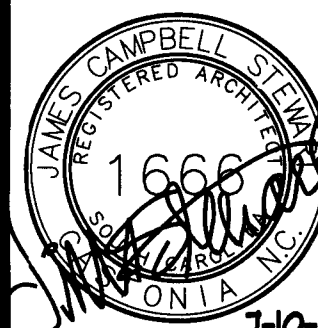
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

THIRD LEVEL FLOOR PLAN
sheet **4.12**

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Thursday, February 18, 2016 12:33 PM
To: Kirk Broom; Jamie McDermott
Cc: Stewart, Jim
Subject: York

Response to floor finishes:
Refer to the notes on 4.12 and 4.13, and also to Jim's responses on site at the judges room on the third floor yesterday-
to take up the bad wood flooring in that room and pour concrete.

Response to the shelf at the security windows on the second floor:
We will verify with David Hamilton if a shelf is required.

Response to the opening at the staff room on the second floor: When we get the shop drawings for the doors- we will
design the dutch door with a fold down shelf.

Per J. Stewart 2/19/16 - Site Visit - Disassembled room 332 that G. Melton
mentions in the email. J. Stewart is OK with covering this floor w/ plywood
and then carpet.

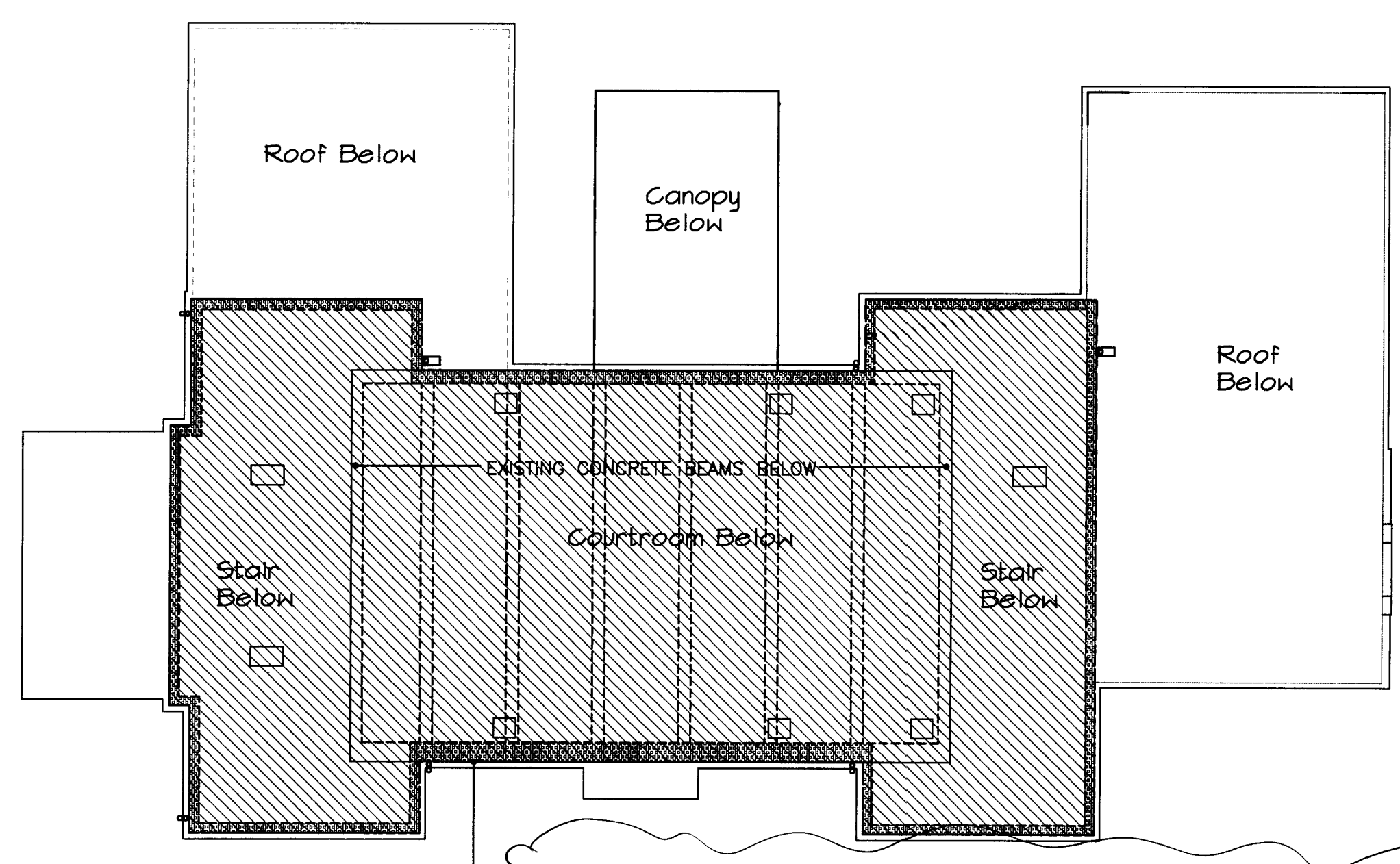
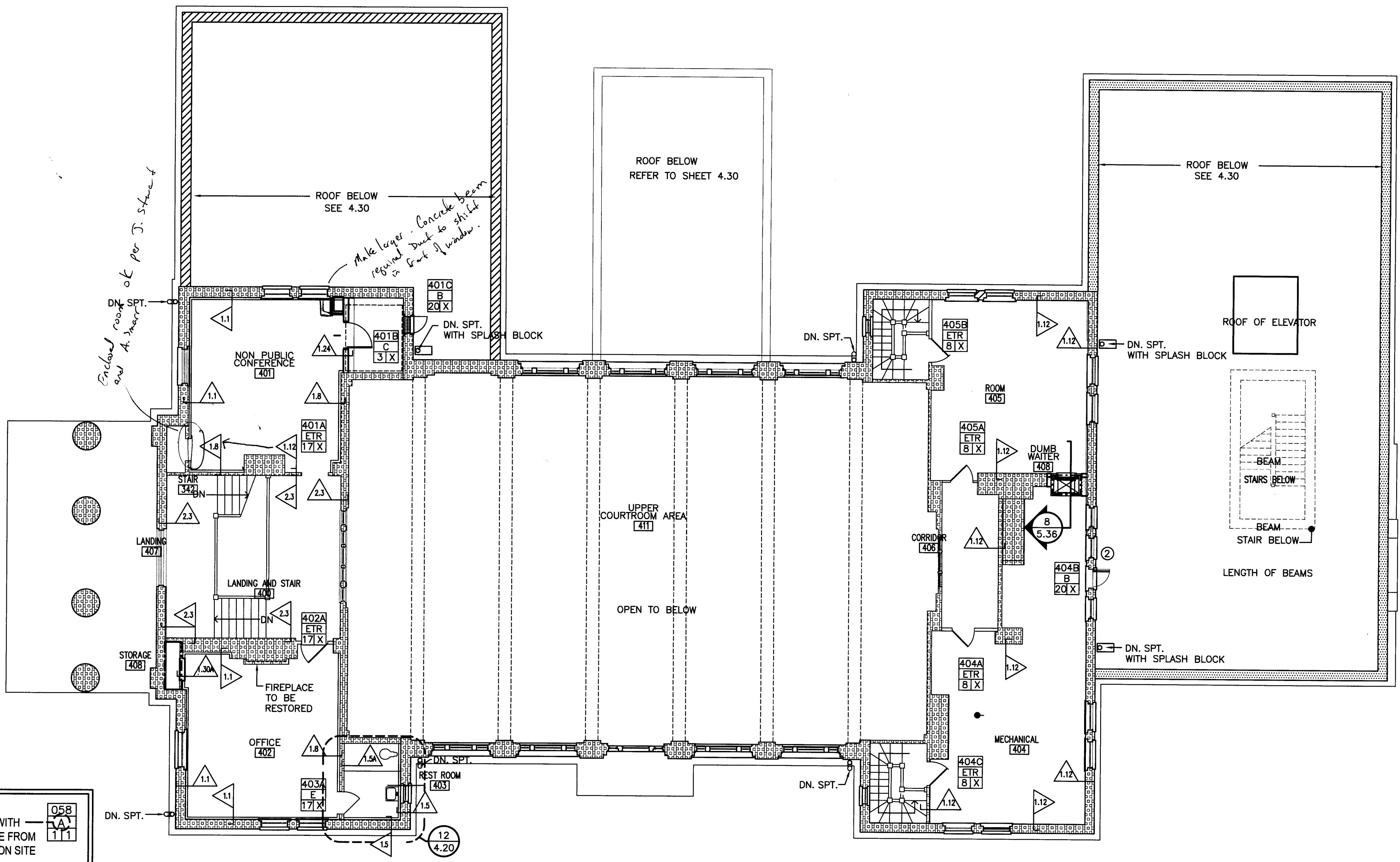
Gloria Melton
Architect



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FOURTH FLOOR PLAN



TRUE NORTH PLAN NORTH 1 FOURTH PLAN SCALE: 1/8"=1'-0"

TRUE NORTH PLAN NORTH 2 ATTIC PLAN SCALE: 1/16"=1'-0"

Sprayed insulation in the Courtroom Ceiling cavity in lieu of insulation in the attic.

PLAN NOTES

SCALE AS NOTED

1. FIRE PLACES TO BE RESTORED. REFER TO SHEET 4.90 AND 4.91.
2. EXTERIOR DOOR TO ROOF.
3. ELEVATORS-- (2) KONE ECOSPACE MACHINE ROOM--LESS FRONT OPENING 2000 LB. CAPACITY WITH REMOTE CONTROL ROOM. SPANS 3 LEVELS, FROM 1ST TO 3RD LEVEL
4. CLEAN WOOD FLOORING IN ROOMS 405 AND 404 AND APPLY ONE COAT OF POLYURETHANE FINISH.
5. CORRIDOR 406-- INSTALL 1-LAYER OF 30# FELT AND 3/4" A-B PLYWOOD. APPLY ONE COAT OF POLYURETHANE FLOOR FINISH.
6. ROOMS 401 AND 402 TO HAVE CARPET.

See email opposite page from G. Melton 2/18/16

PLAN LEGEND

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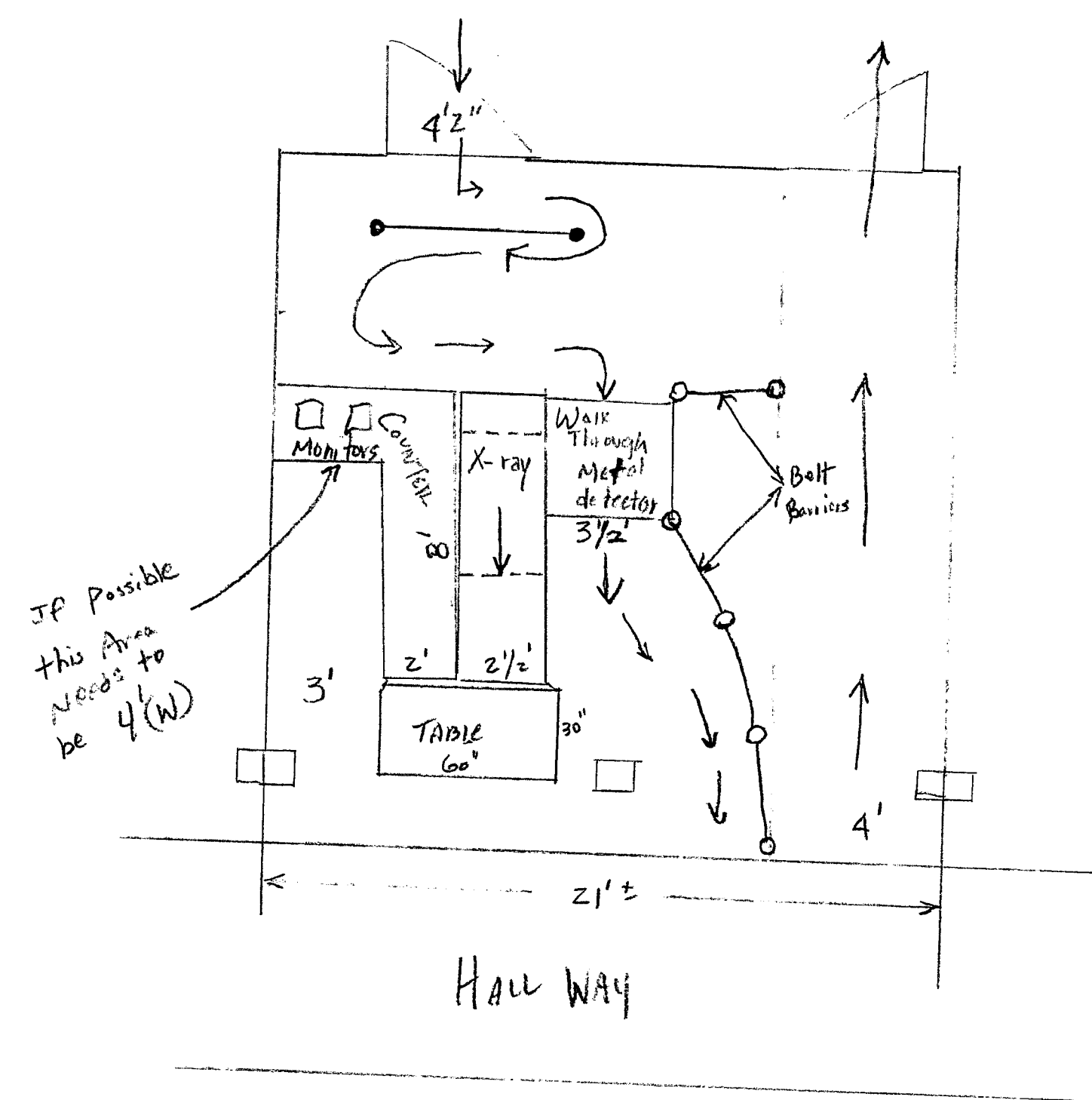
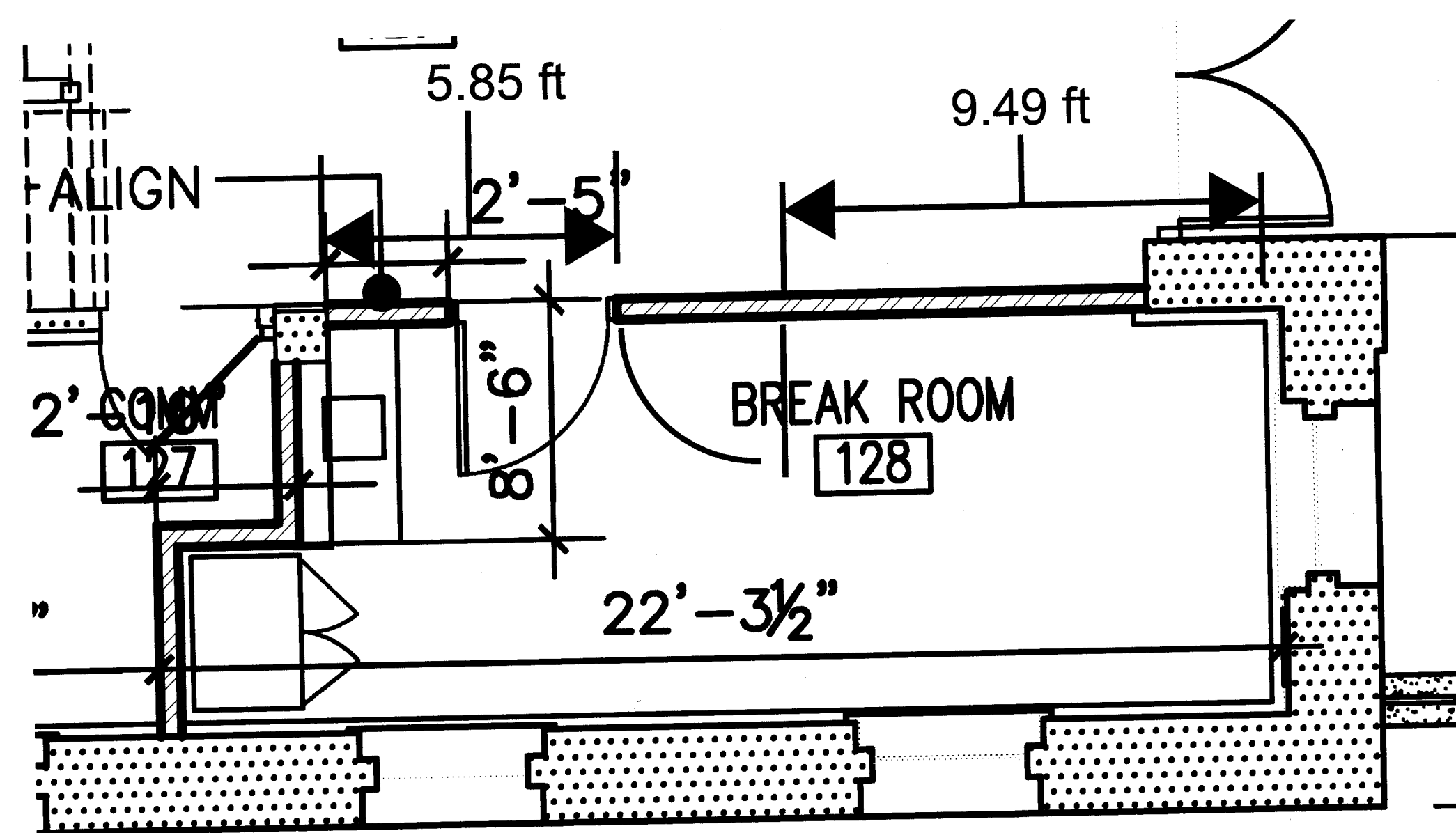
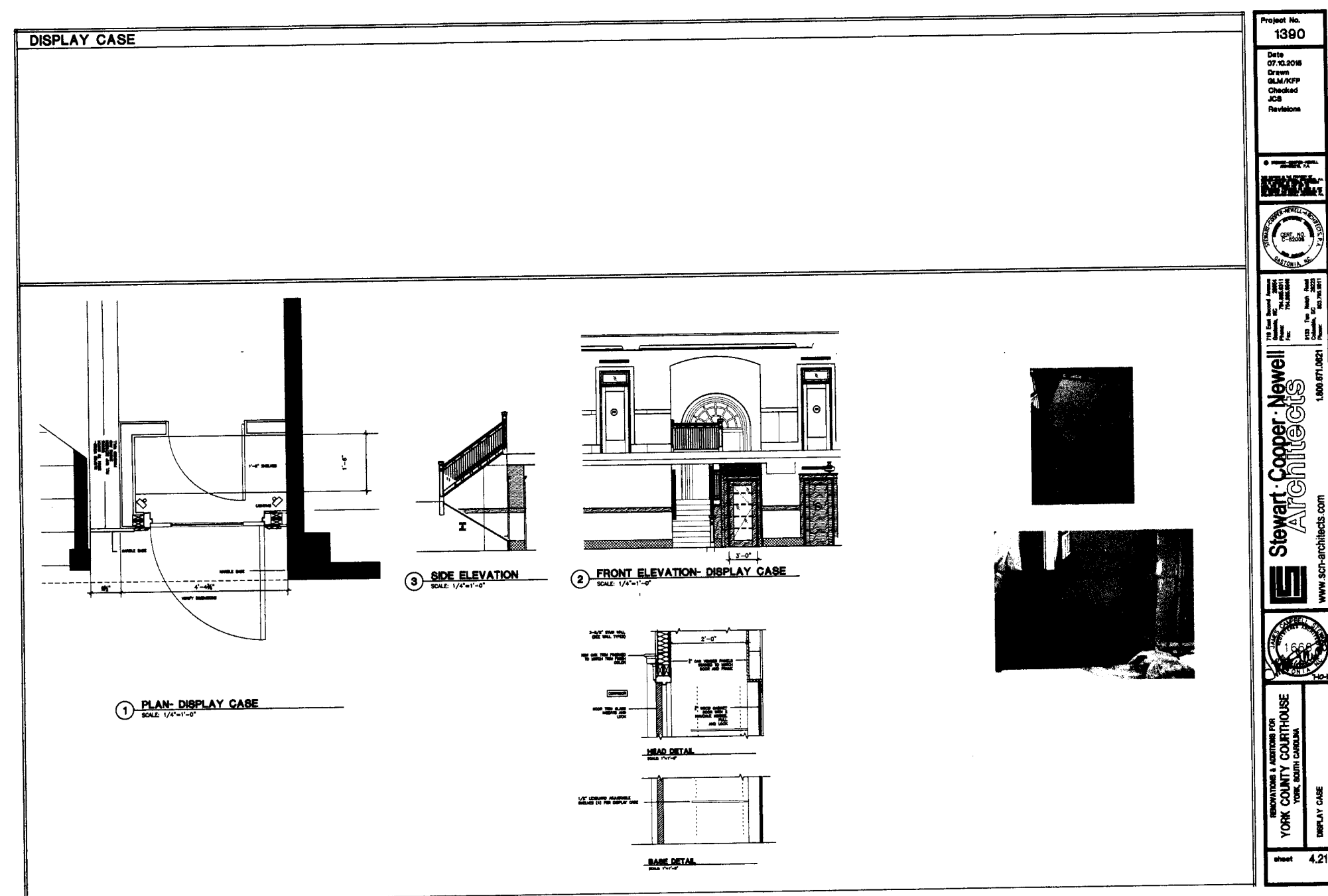
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REGISTERED ARCHITECT
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J. Campbell
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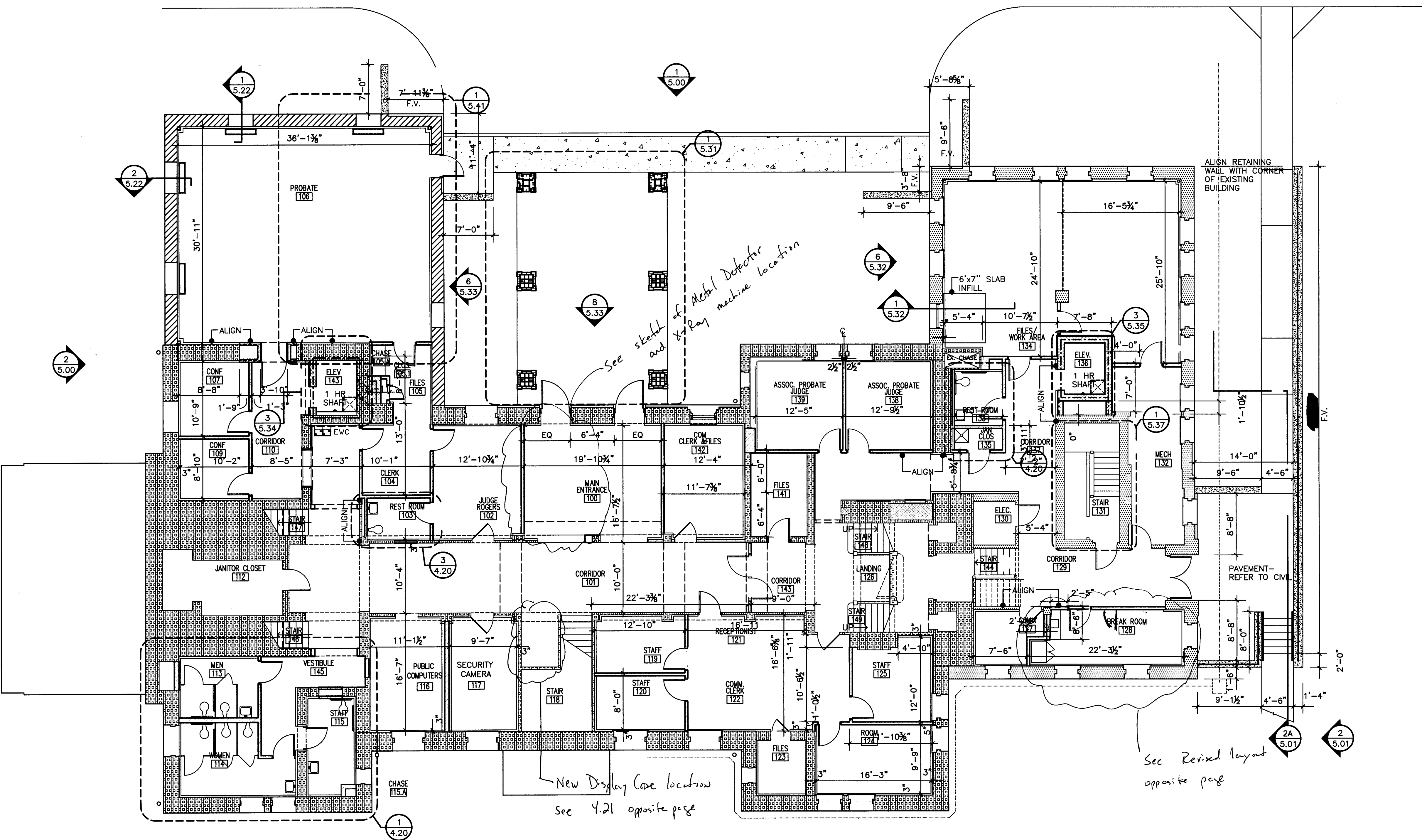
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

FOURTH LEVEL FLOOR PLAN



FIRST LEVEL FLOOR PLAN

SCALE AS NOTED



FIRST LEVEL FLOOR PLAN- DIMENSIONS
SCALE: 1/8"=1'-0"

PLAN LEGEND

- ORIGINAL BUILDING (1915)
- FRONT ADDITION (1954)
- REAR ADDITION (1941)
- CHAIN LINK @ FILES- REAR ADDITION (1941)
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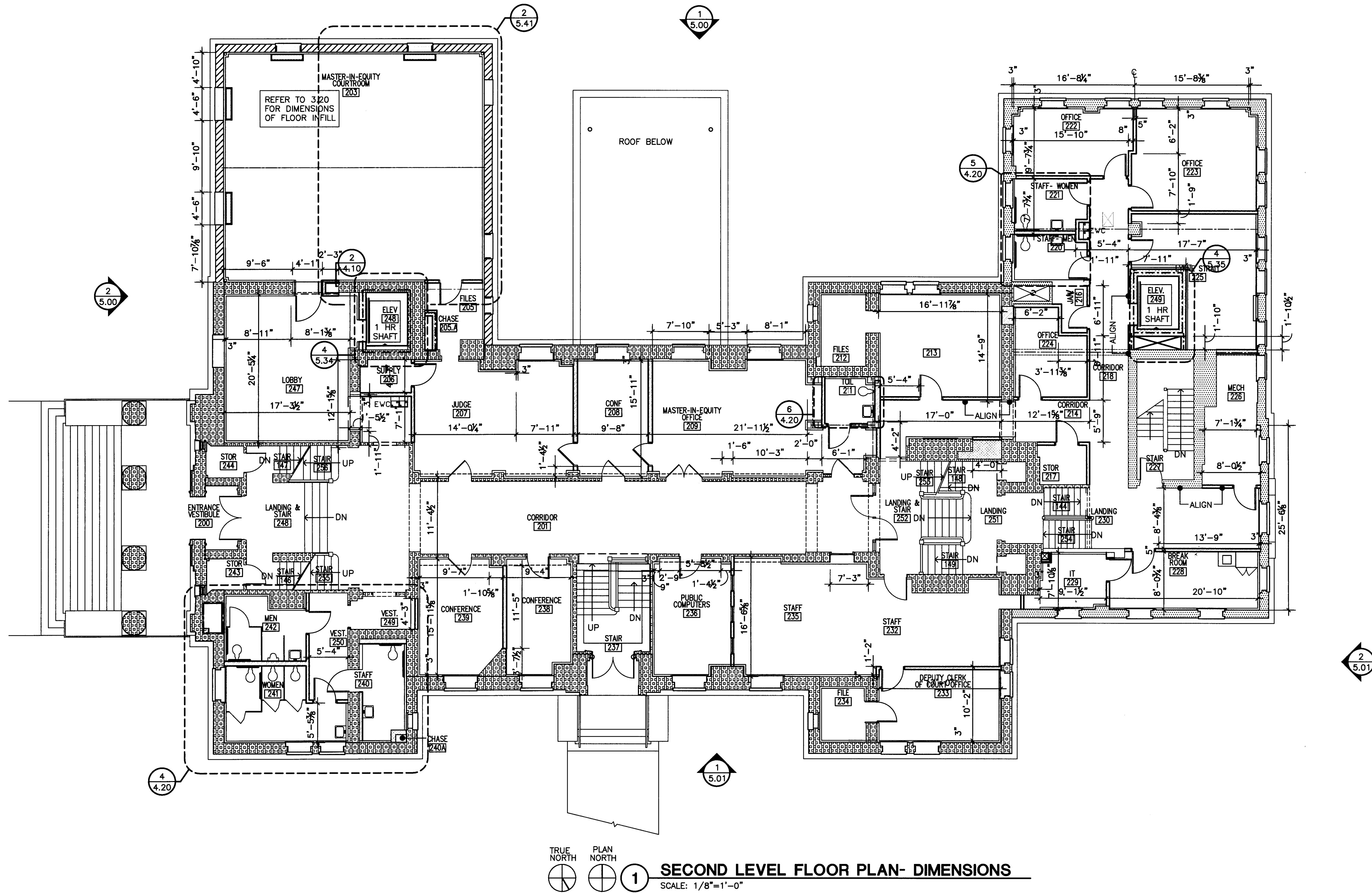
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

FIRST LEVEL FLOOR PLAN- DIMENSIONS

sheet **4.16**

SECOND LEVEL FLOOR PLAN



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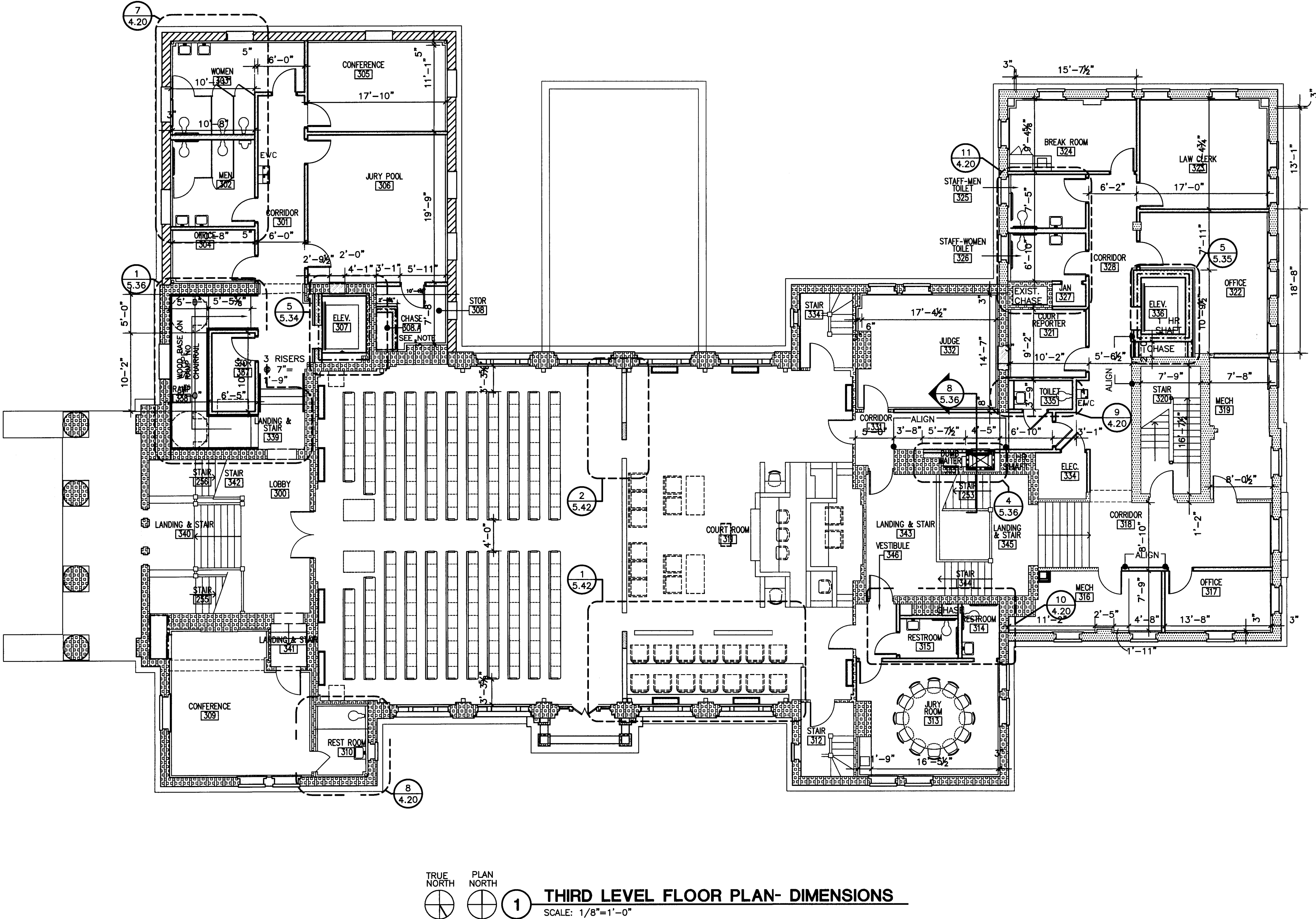
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1968
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

SECOND LEVEL FLOOR PLAN- DIMENSIONS

THIRD LEVEL FLOOR PLAN



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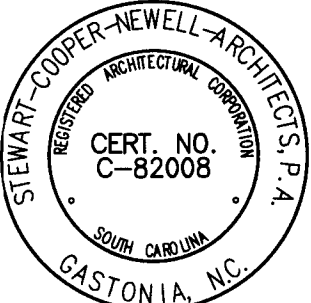
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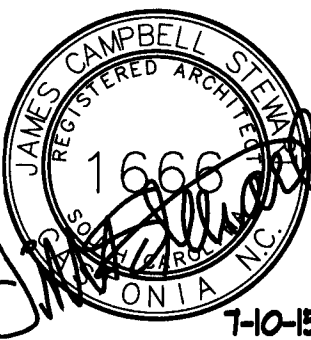
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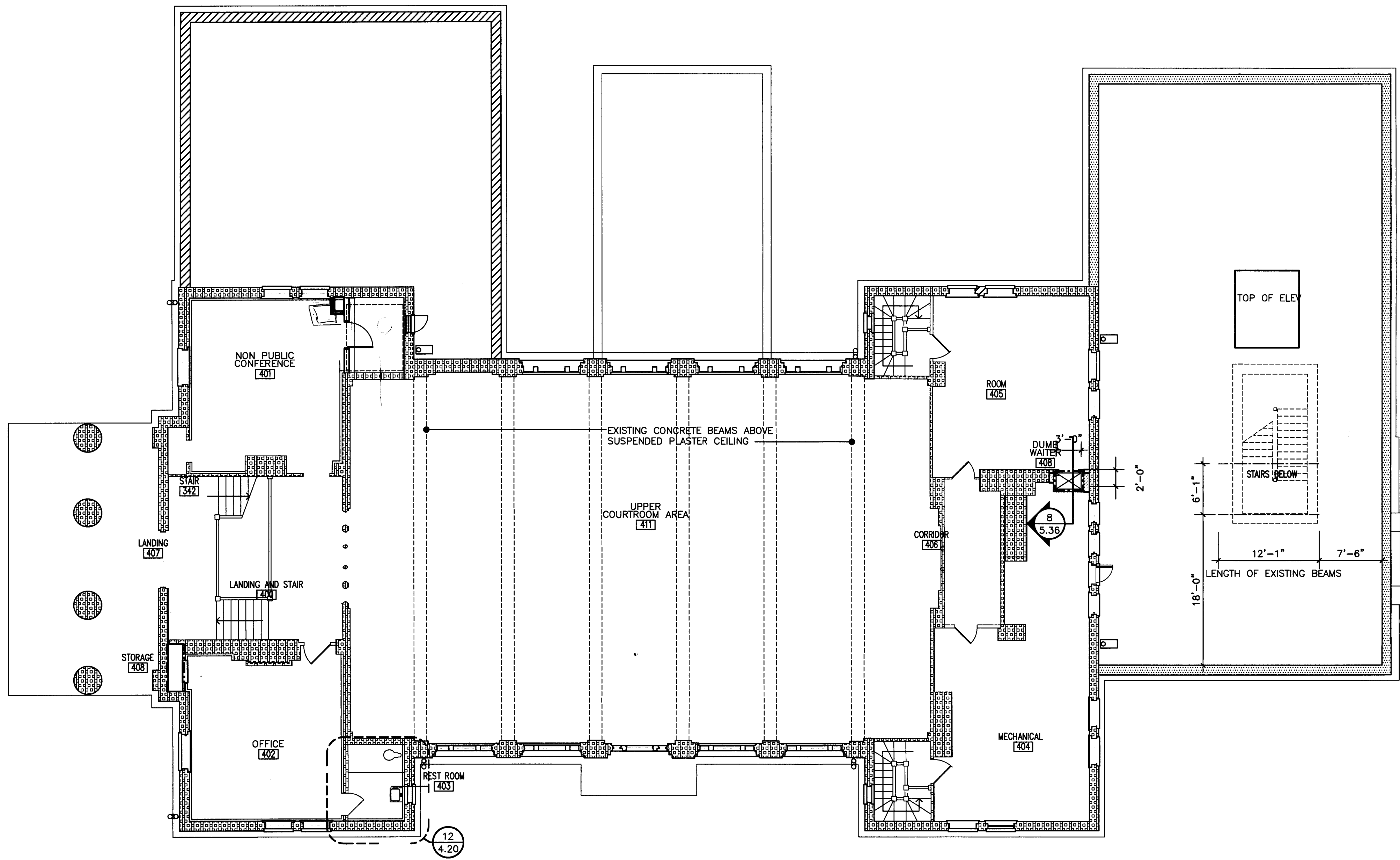


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THIRD LEVEL FLOOR PLAN DIMENSIONS

FOURTH FLOOR PLAN

SCALE AS NOTED



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Project No.
1390
Date
07.10.2015
Drawn
GLM
Checked
JCS
Revisions

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1968
GASTONIA, NC
7-10-15

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
FOURTH LEVEL FLOOR PLAN- DIMENSIONS

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
 Sent: Thursday, November 05, 2015 5:03 PM
 To: Kirk Broom; Jamie McDermott
 Cc: Stewart, Jim
 Subject: York toilet compartments
 Attachments: 8.5x11 clr2 Dwg Layout Layout1 (1).pdf; 10156-Toilet Compartments.pdf

Follow Up Flag: Follow up
 Flag Status: Flagged

I've attached the toilet compartment submittal. There were slight dimension changes due to having floor mounted fixtures and ADA urinal.
 I've attached a clarification drawing for the dimensions.

Gloria Melton
 Architect

Stewart Cooper Newell Architects

719 E. Second Ave. ph 704.865.6311
 Gastonia NC 28054 fx 704.865.0046
 scn-architects.com 1.800.671.0621

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REQUEST FOR INFORMATION

LEITNER
 CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 4/18/16

Ref. Spec. Section/Page:
 Cost Impact: Unknown
 Schedule Impact: NA

RFI # 10
 Sent To: Jim Stewart
 Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No: 4.20

Problem/Conflict:

Sheet 4.20 has been marked up to address the following conflicts between exterior windows, toilet compartments and accessory locations.

- Interior of restrooms visible from exterior windows, please advise on how to provide privacy in bathrooms with exterior windows.
- Room 303: There is no area for the toilet compartment framing to fasten to in ADA stall, please advise. Also there is no area for the grab bar to fasten to exterior wall, can toilet and grab bars be relocated to toilet compartment wall? (Shoring may be required to floor below if floor penetration conflicts with bar joist).
- In other areas where grab bar conflicts with exterior windows, should we install grab bars from wall to wall as shown?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 4/18/16

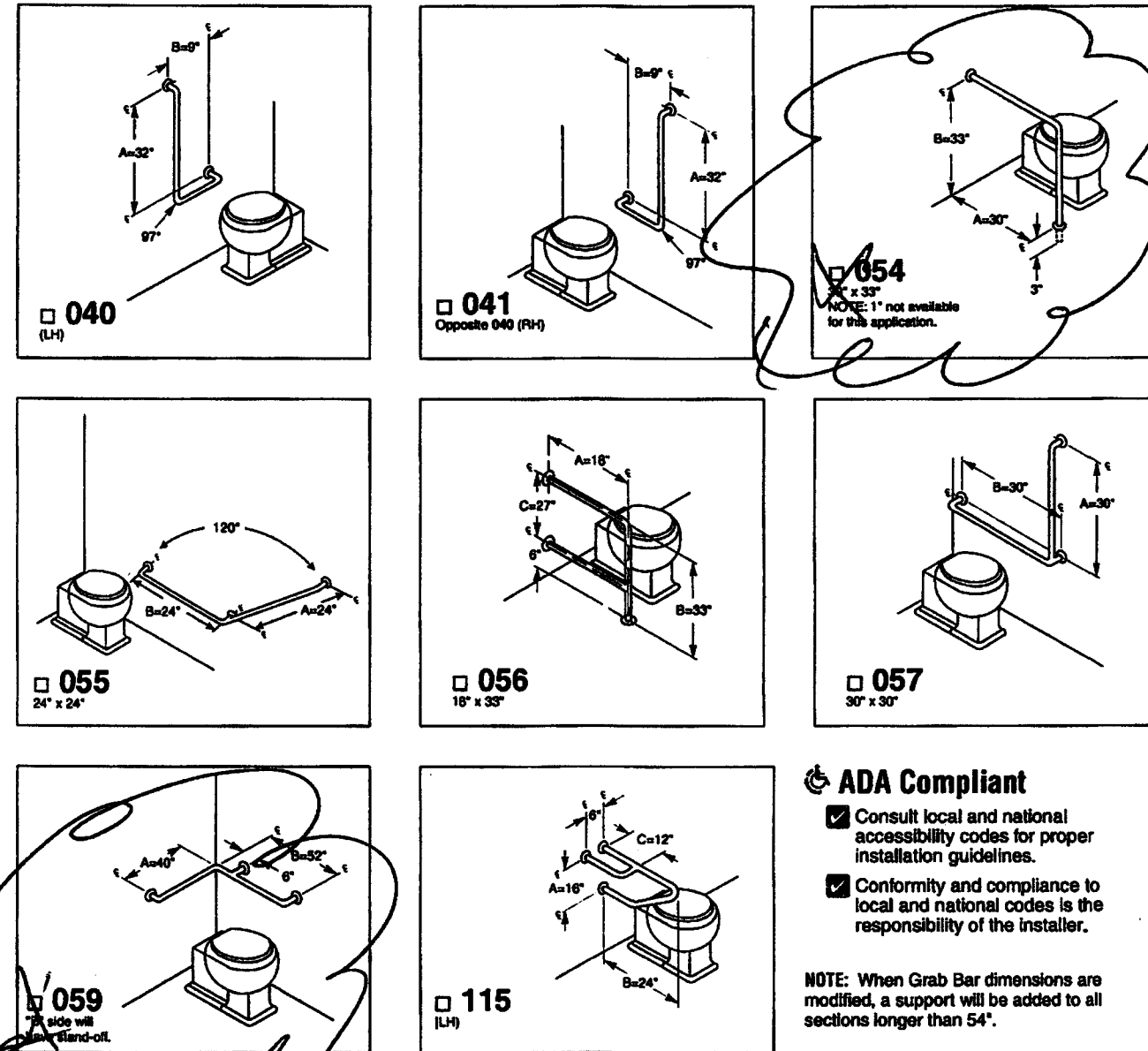
Response:

- Privacy can be achieved by using screens at windows.
- For rooms 303 and 302, move toilets as Jim Stewart directed.2. Partition to be supported with top track fastened to the wall. See attached sketch showing floor mount grab bar type and locations.
- Discuss with Jim Stewart at Wednesday meeting.
 3. See attached sketch showing floor mount grab bar type and locations.

SCN Emailed Response 5-6-16:
 Install floor mounted bars at the exterior walls in front of current locations shown.

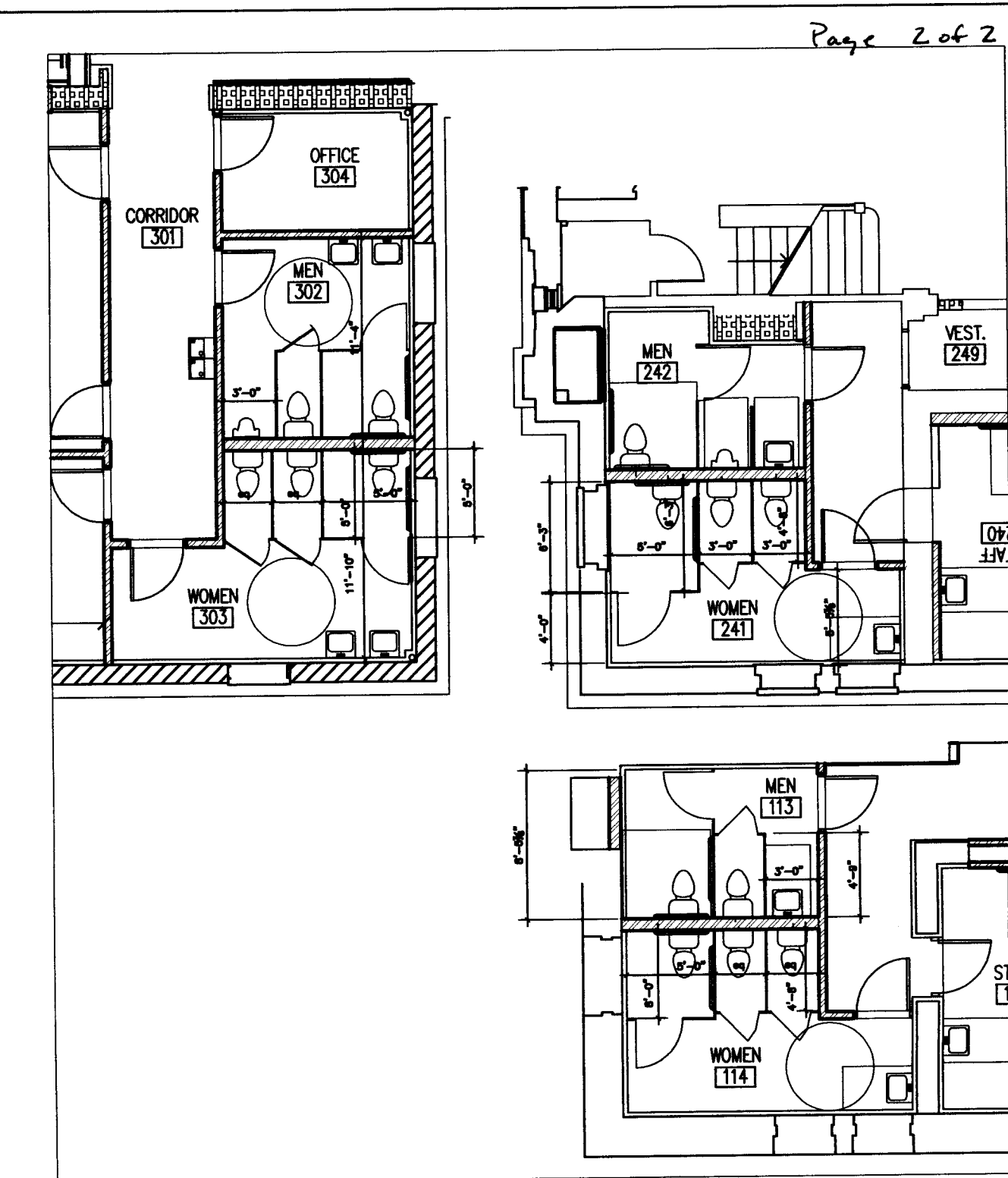


Typical Water Closet Applications:



Page 1 of 2 1/24/2013
 This information is subject to change without notice.
 Bradley_GrabBar_800SeriesWaterClosetApplications2

© 2015 Bradley
 P.O. Box 308, Marionville, MO 64556-0308
 800 BRADLEY (800.272.2638) +1 262.251.8000
 bradleycorp.com



1 RESTROOMS
 SCALE: 1/8" = 1'-0"

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 9133 Two North Road
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REFERENCE SHEET NO. 4.20

RESTROOMS

DATE

10.28.15

YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA

ARCHITECTURAL CLARIFICATION DRAWING

CLR-2

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
 Sent: Friday, May 13, 2016 11:57 AM
 To: Jamie McDermott; Kirk Broom
 Cc: Stewart, Jim
 Subject: RE: RFI #10 Bathroom Clarifications Follow Up Response.pdf

Agree--

Gloria Melton
 Architect

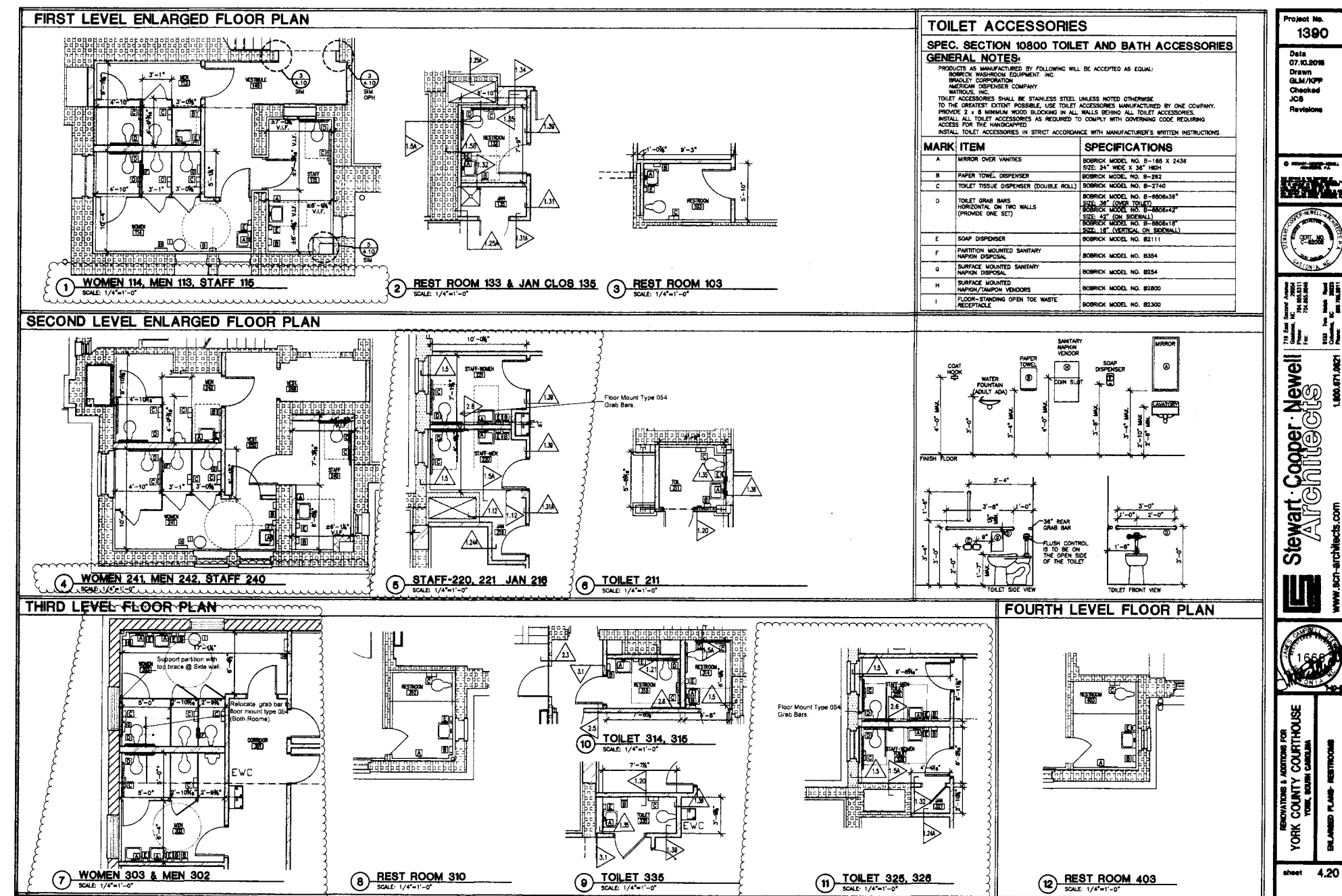
Stewart Cooper Newell Architects

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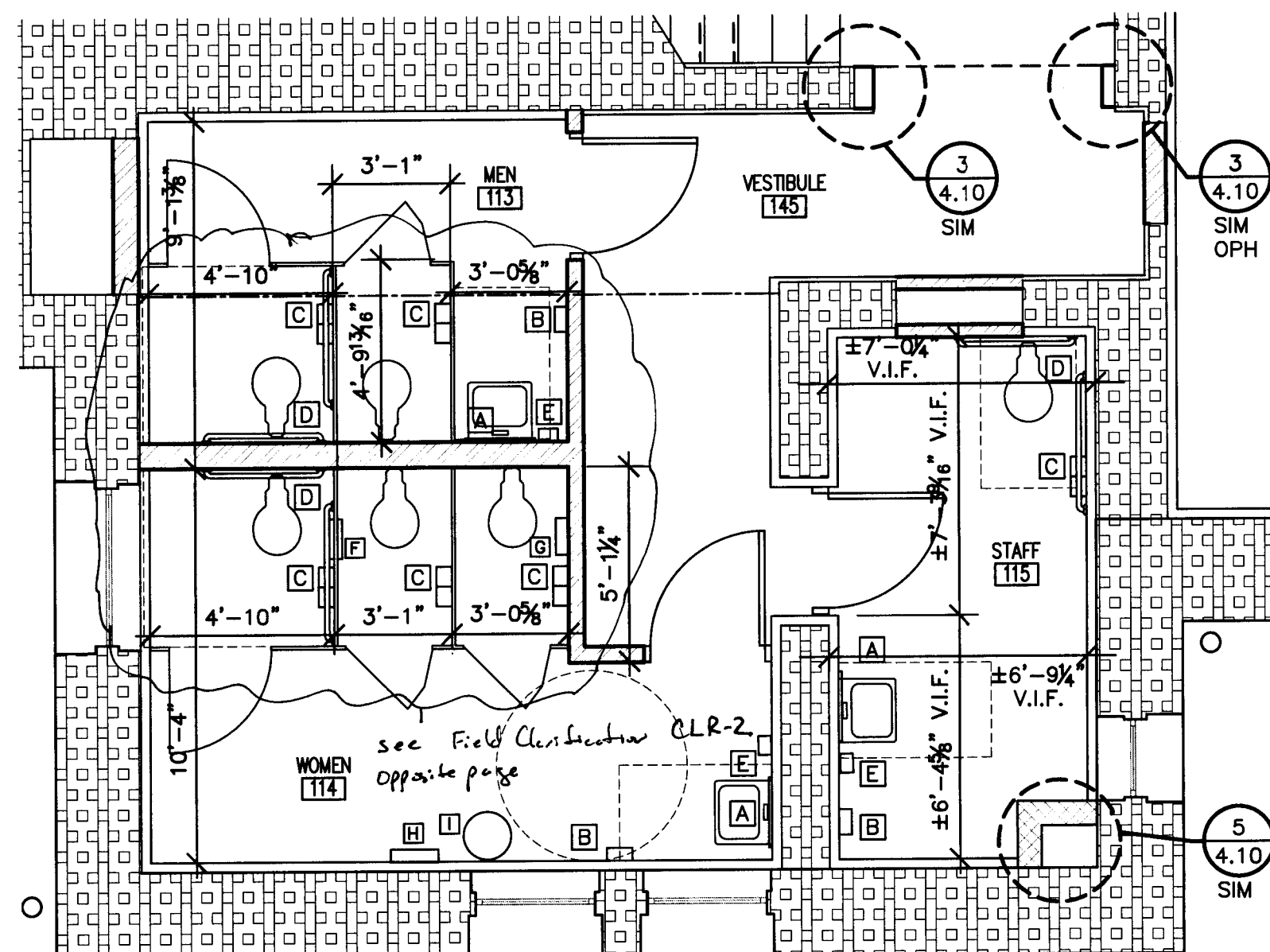
From: Jamie McDermott (mailto:jamiem@leitnerconstructionco.com)
 Sent: Friday, May 13, 2016 11:27 AM
 To: Melton, Gloria <gmelton@scn-architects.com>
 Cc: Kirk Broom <kbroom@ccorpusa.com>; Stewart, Jim <jstewart@scn-architects.com>
 Subject: RFI #10 Bathroom Clarifications Follow Up Response.pdf

Gloria, This should close out RFI #10 (grab bar locations.)

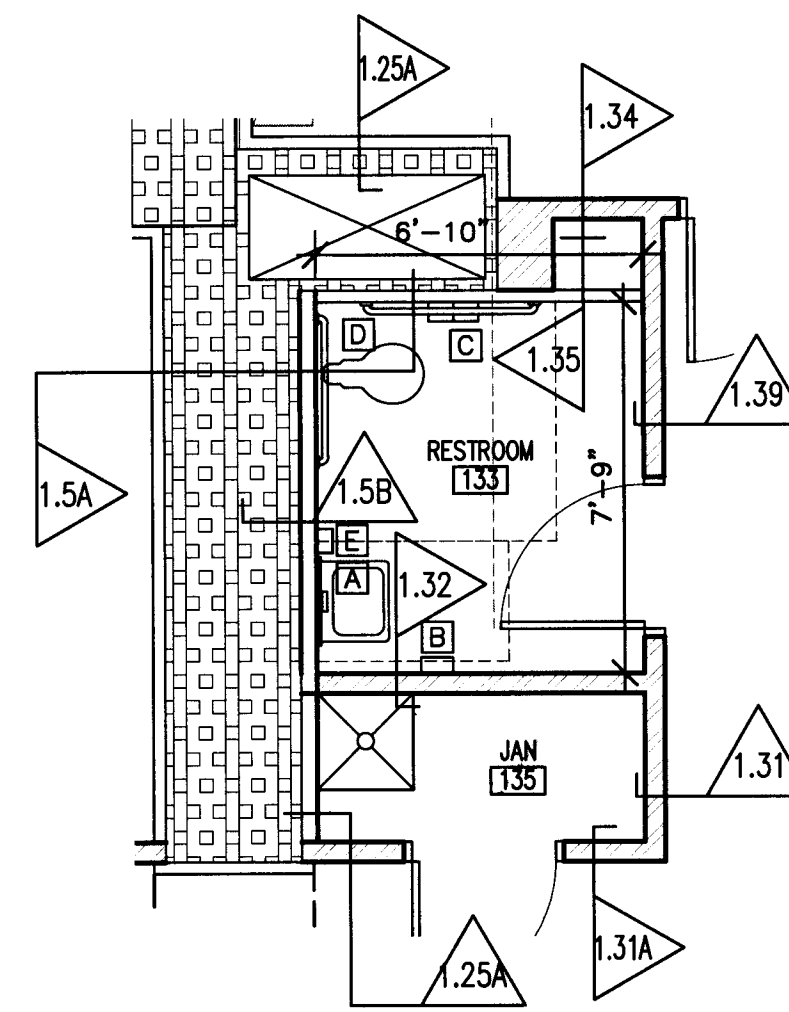


RFI #10 2 of 4

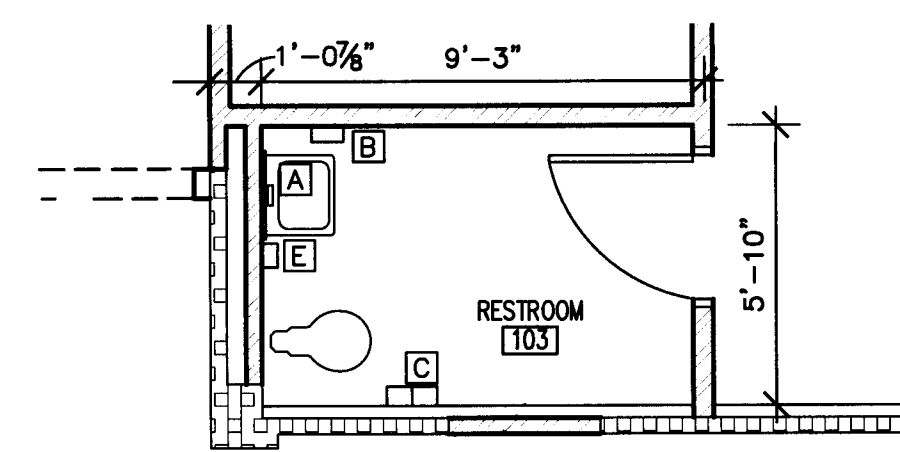
FIRST LEVEL ENLARGED FLOOR PLAN



1 WOMEN 114, MEN 113, STAFF 115
SCALE: 1/4"=1'-0"



2 REST ROOM 133 & JAN CLOS 135
SCALE: 1/4"=1'-0"



3 REST ROOM 103
SCALE: 1/4"=1'-0"

TOILET ACCESSORIES

SPEC. SECTION 10800 TOILET AND BATH ACCESSORIES

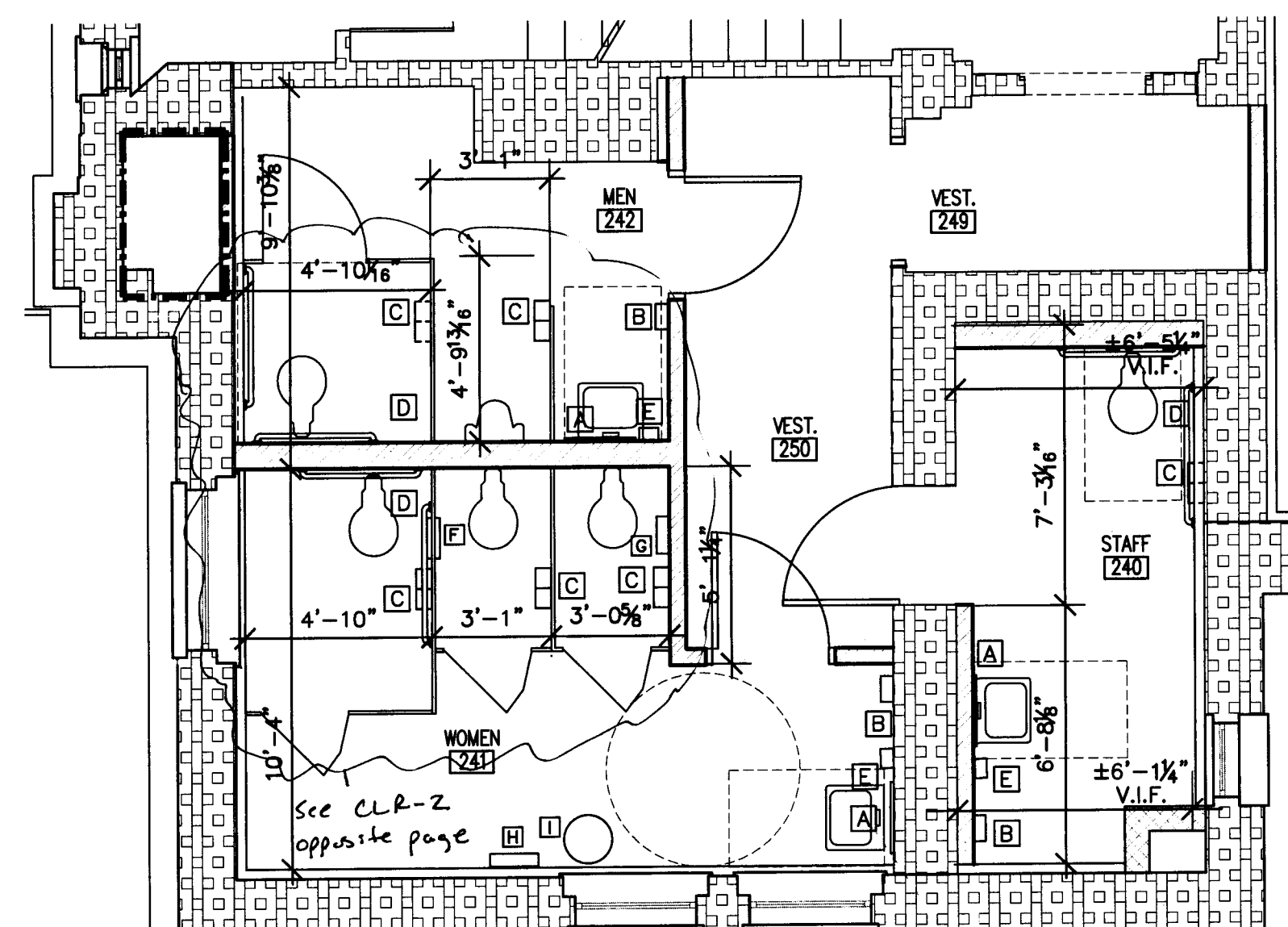
GENERAL NOTES:

PRODUCTS AS MANUFACTURED BY FOLLOWING WILL BE ACCEPTED AS EQUAL:
BOBRICK WASHROOM EQUIPMENT, INC.
BRADLEY CORPORATION
AMERICAN DISPENSER COMPANY
WATROUS, INC.

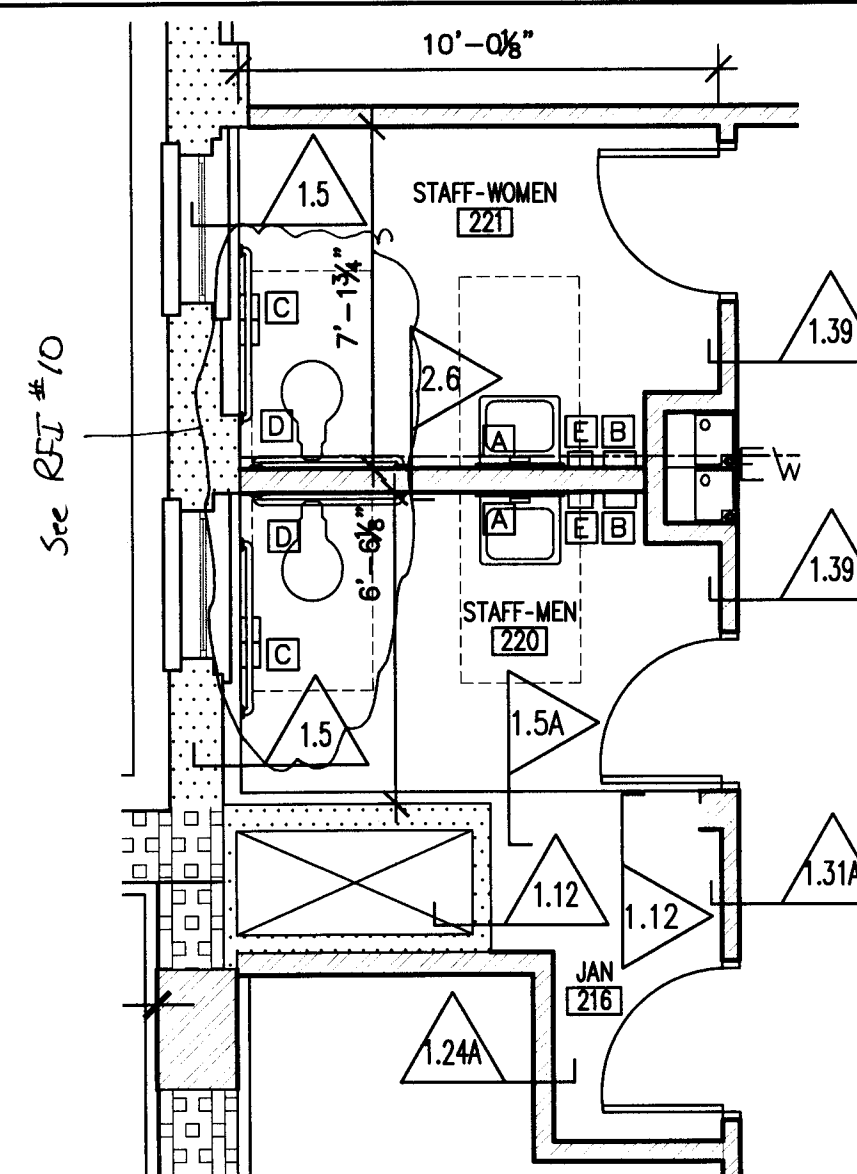
TOILET ACCESSORIES SHALL BE STAINLESS STEEL UNLESS NOTED OTHERWISE.
TO THE GREATEST EXTENT POSSIBLE, USE TOILET ACCESSORIES MANUFACTURED BY ONE COMPANY.
PROVIDE 2 X 8 MINIMUM WOOD BLOCKING IN ALL WALLS BEHIND ALL TOILET ACCESSORIES.
INSTALL ALL TOILET ACCESSORIES AS REQUIRED TO COMPLY WITH GOVERNING CODE REQUIRING ACCESS FOR THE HANDICAPPED.
INSTALL TOILET ACCESSORIES IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

MARK	ITEM	SPECIFICATIONS
A	MIRROR OVER VANITIES	BOBRICK MODEL NO. B-165 X 2436 SIZE: 24" WIDE X 36" HIGH
B	PAPER TOWEL DISPENSER	BOBRICK MODEL NO. B-262
C	TOILET TISSUE DISPENSER (DOUBLE ROLL)	BOBRICK MODEL NO. B-2740
D	TOILET GRAB BARS HORIZONTAL ON TWO WALLS (PROVIDE ONE SET)	BOBRICK MODEL NO. B-6806x36" SIZE: 36" (OVER TOILET) BOBRICK MODEL NO. B-6806x42" SIZE: 42" (ON SIDEWALL) BOBRICK MODEL NO. B-6806x18" SIZE: 18" (VERTICAL ON SIDEWALL)
E	SOAP DISPENSER	BOBRICK MODEL NO. B2111
F	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK MODEL NO. B354
G	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK MODEL NO. B254
H	SURFACE MOUNTED NAPKIN/TAMPON VENDORS	BOBRICK MODEL NO. B2800
I	FLOOR-STANDING OPEN TOE WASTE RECEPTACLE	BOBRICK MODEL NO. B2300

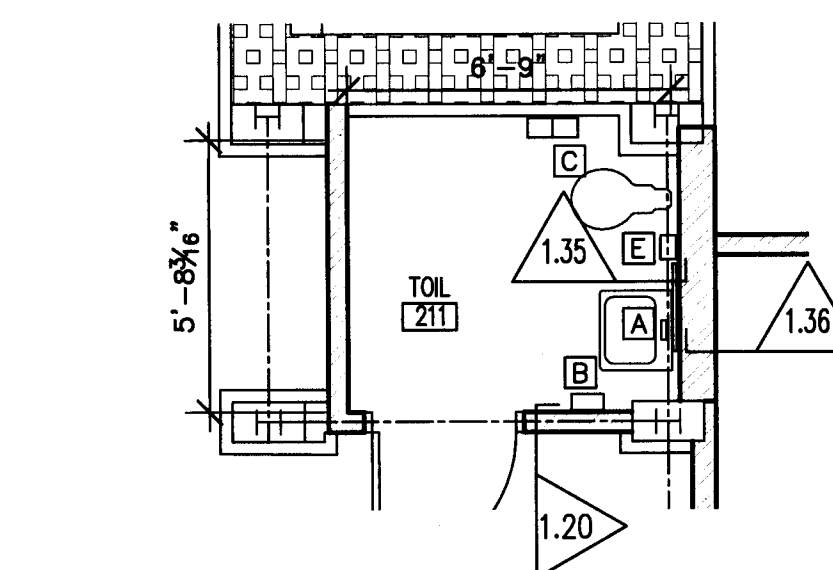
SECOND LEVEL ENLARGED FLOOR PLAN



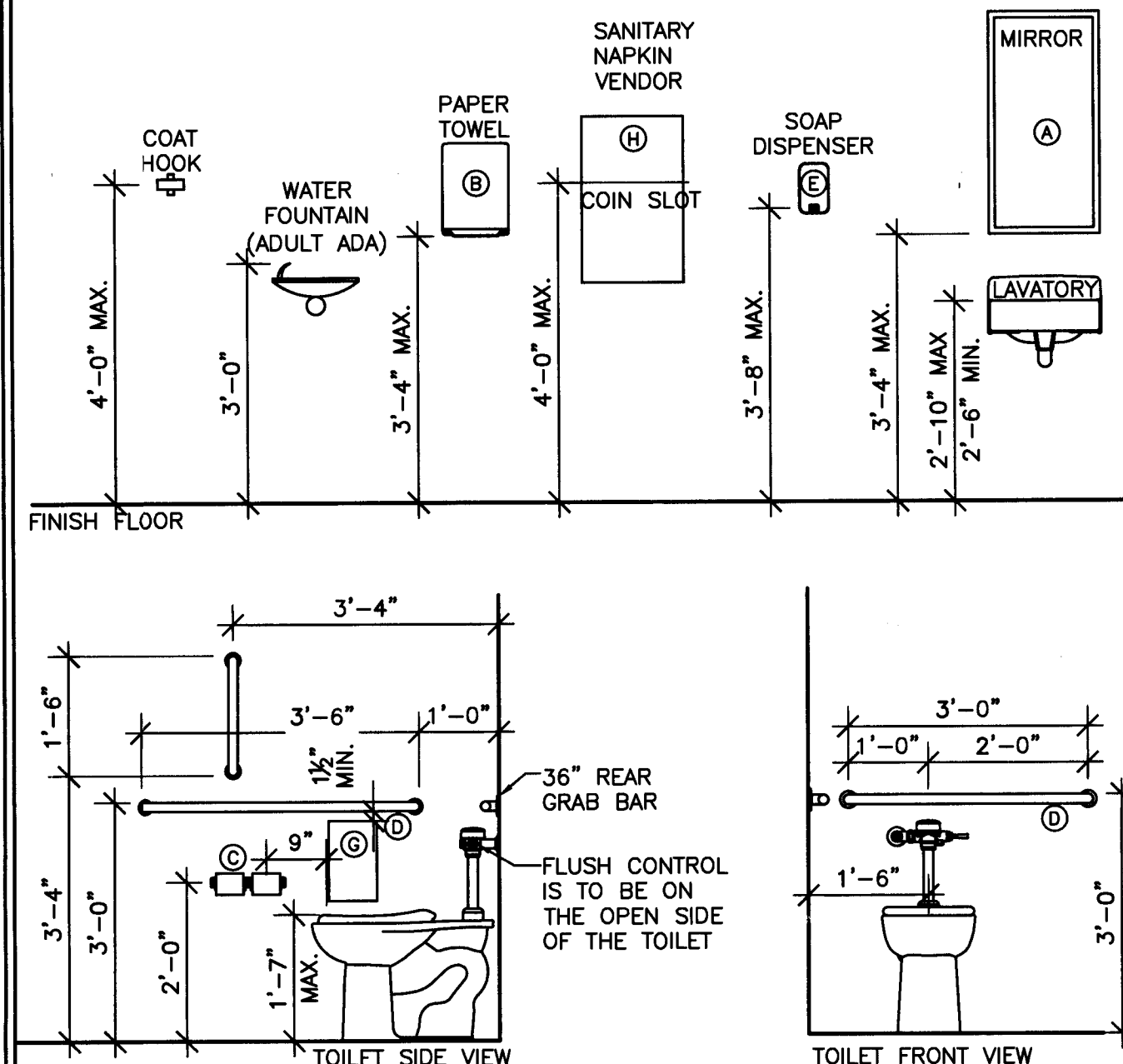
4 WOMEN 241, MEN 242, STAFF 240
SCALE: 1/4"=1'-0"



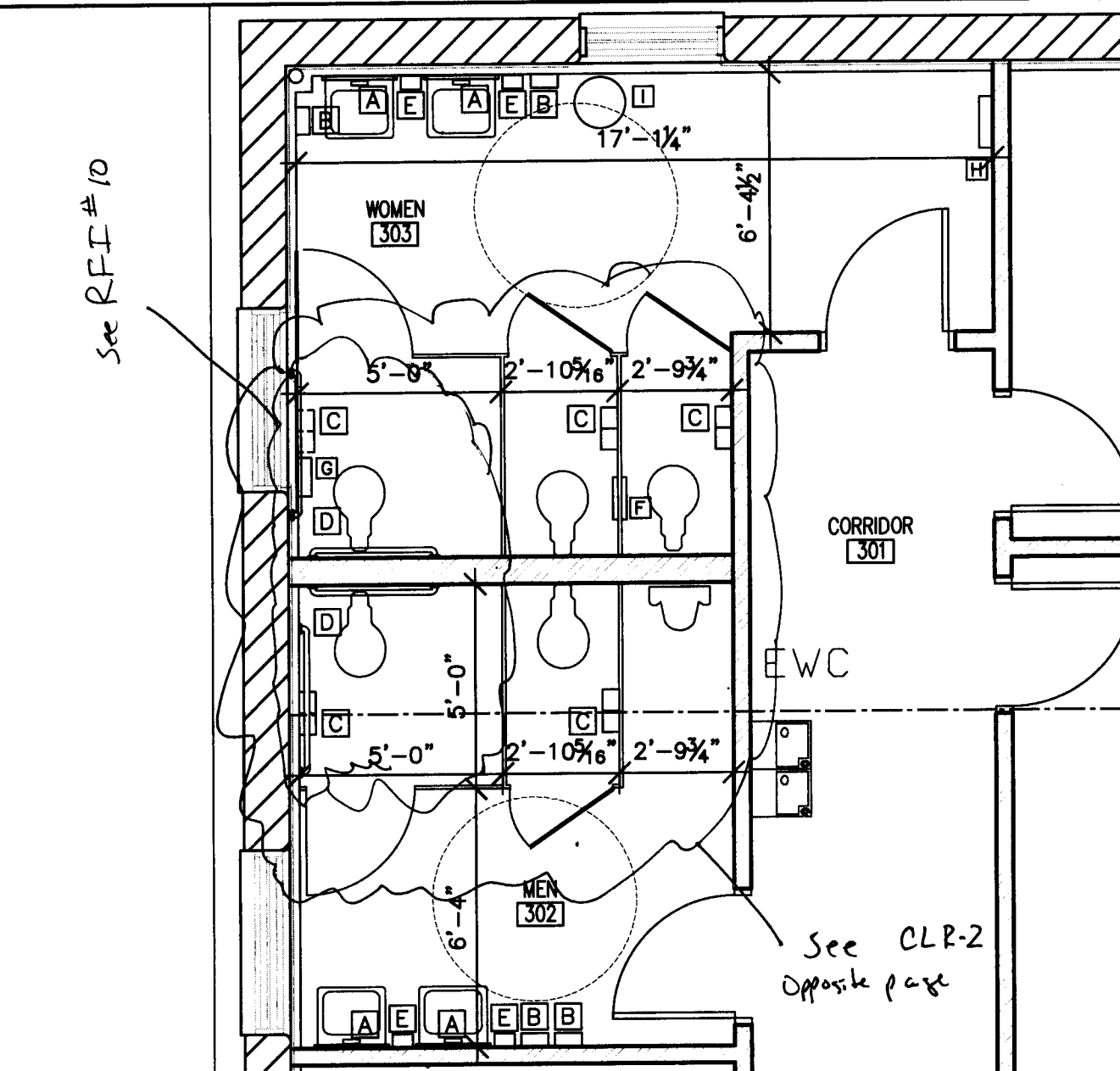
5 STAFF-220, 221 JAN 216
SCALE: 1/4"=1'-0"



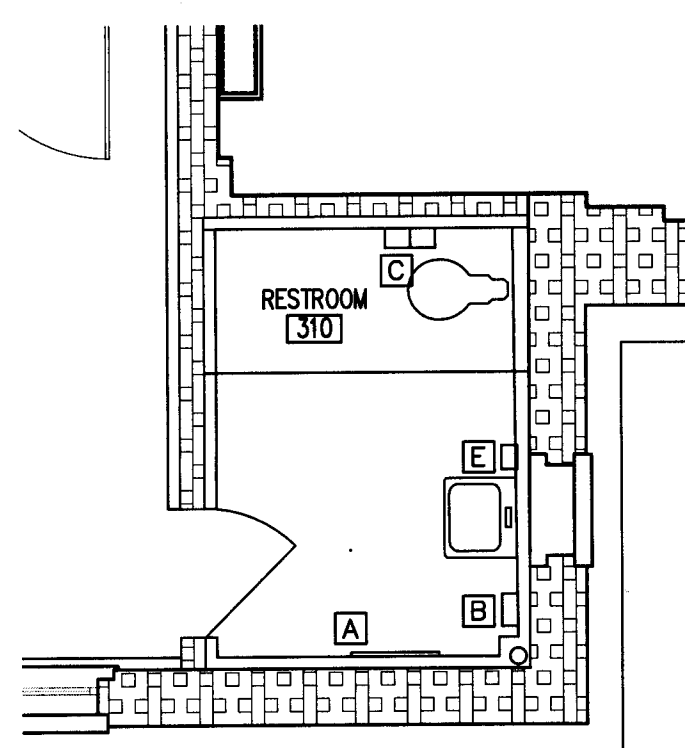
6 TOILET 211
SCALE: 1/4"=1'-0"



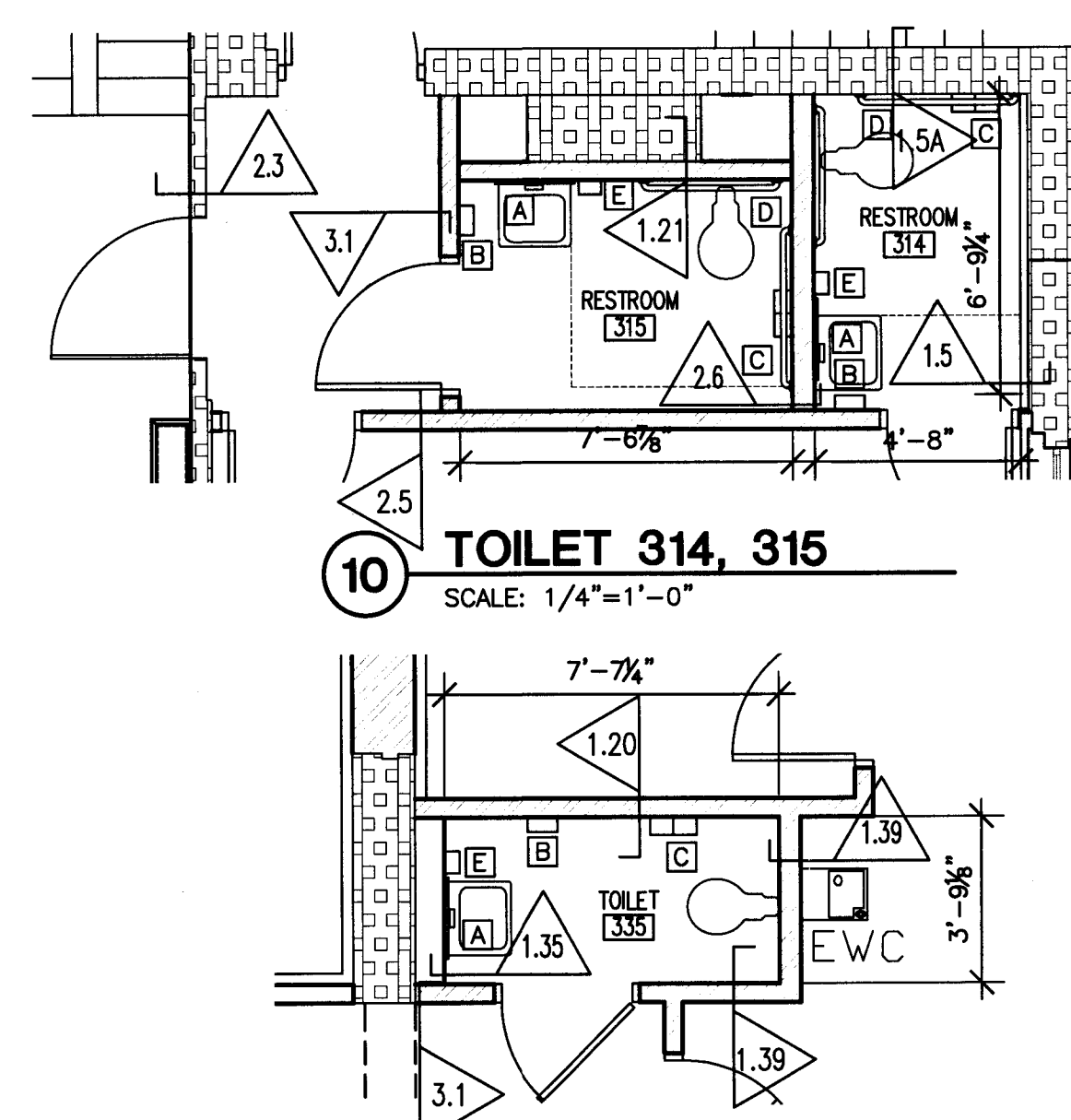
THIRD LEVEL FLOOR PLAN



7 WOMEN 303 & MEN 302
SCALE: 1/4"=1'-0"

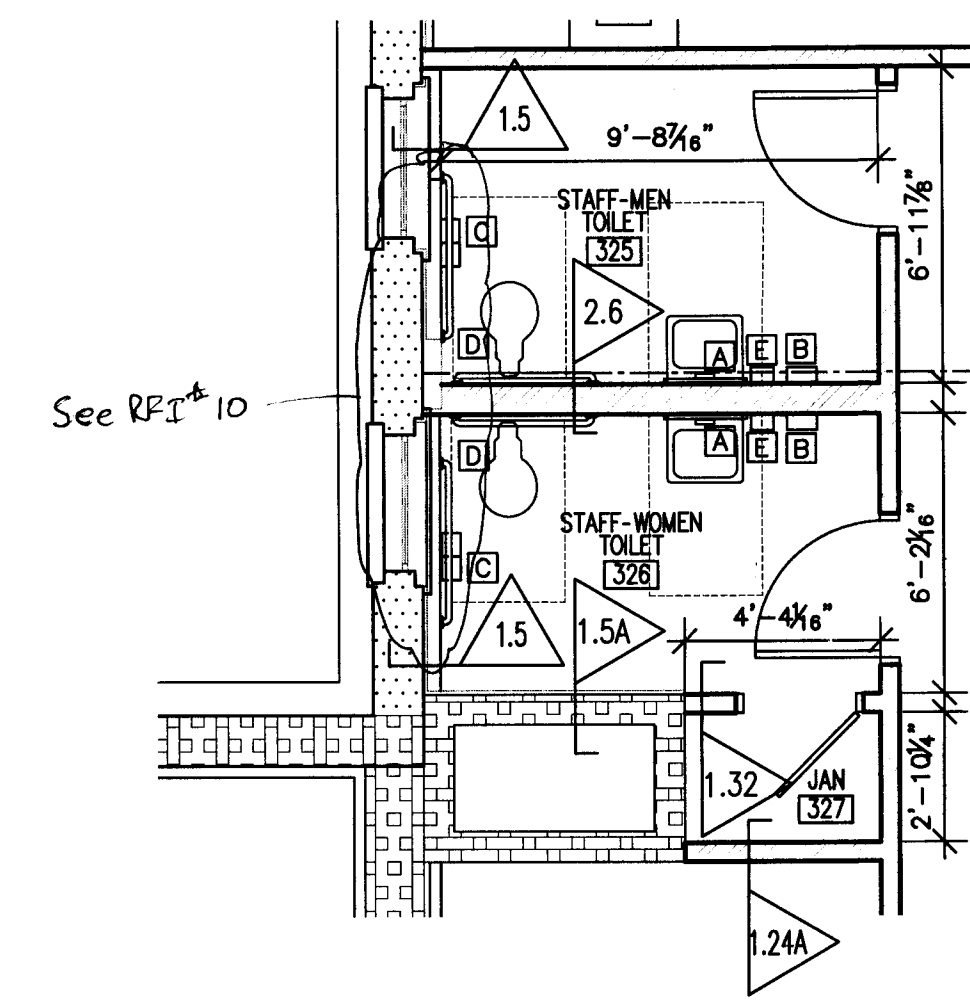


8 REST ROOM 310
SCALE: 1/4"=1'-0"



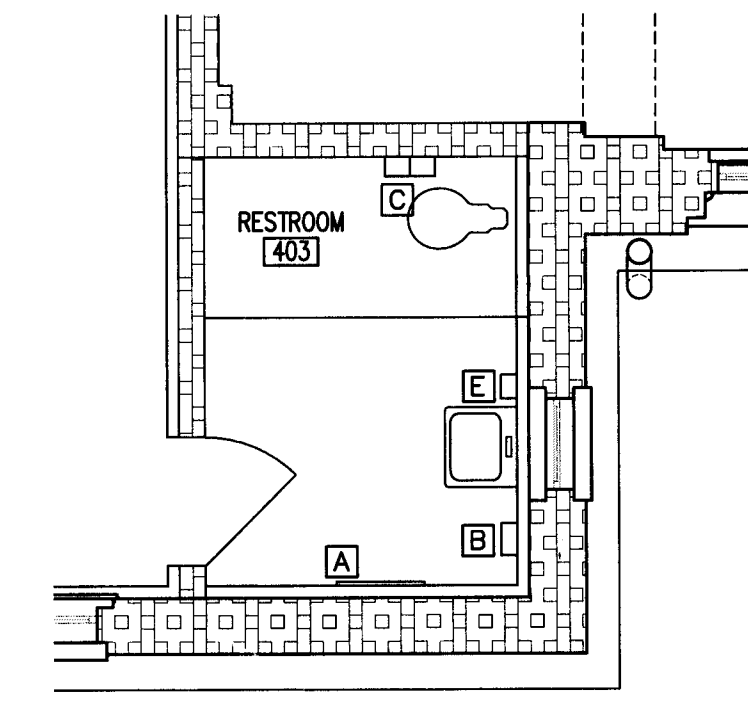
10 TOILET 314, 315
SCALE: 1/4"=1'-0"

9 TOILET 335
SCALE: 1/4"=1'-0"



11 TOILET 325, 326
SCALE: 1/4"=1'-0"

FOURTH LEVEL FLOOR PLAN



12 REST ROOM 403
SCALE: 1/4"=1'-0"

Project No.

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Date

07.10.2015

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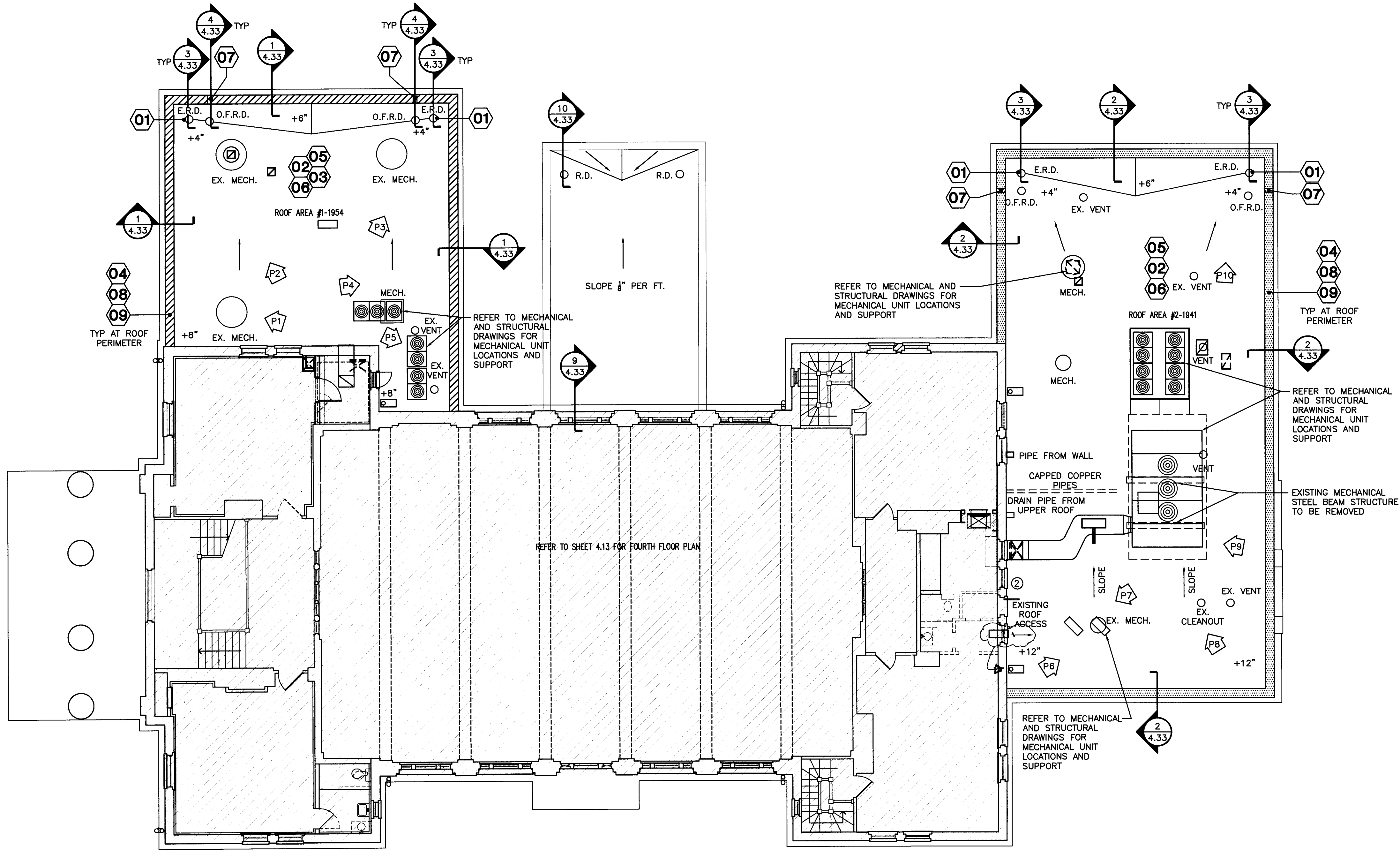


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
ENLARGED PLANS- RESTROOMS

sheet

4.20

UPPER ROOF PLAN



TRUE NORTH PLAN NORTH
1 LOWER ROOF PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES

1. IT IS THE GENERAL INTENTION OF THE DEMOLITION PLAN TO COVER ALL SITUATIONS WHERE AN ITEM IS TO BE REMOVED. THE REMOVAL OF ANY ITEM SHOULD BE COORDINATED WITH THE DEMOLITION NOTES, ADDITIONAL DRAWINGS, AND THE PROJECT SPECIFICATIONS.
2. BY NATURE OF THE SCOPE OF DEMOLITION WORK, THE NOTES PROVIDED ARE NOT MEANT TO BE EXHAUSTIVE BUT BROAD IN SCOPE. ALL DEMO NECESSARY TO COMPLETE THE WORK AS NOTED HEREIN, DETAILED ELSEWHERE, OR REASONABLY INFERABLE FROM THE REQUIREMENTS OF ALL CONTRACT DOCUMENTS IS REQUIRED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO ASCERTAIN THE EXTENT OF WORK REQUIRED.
3. COORDINATE ALL DEMOLITION TO MAINTAIN SUPPORT FOR ANY EQUIPMENT, WALLS OR ROOFING AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PROVIDING ALL TEMPORARY SUPPORT AND/OR SHORING.
4. ALL CUTTING/PATCHING IS TO BE DONE IN A NEAT, WORKMAN-LIKE MANNER.
5. REFER TO THE PROJECT SPECIFICATIONS/INVITATION TO BID FOR THE MANDATORY PRE-BID CONFERENCE TO ANSWER QUESTIONS AND CLARIFY WORK.
6. REFER TO SHEET 4.32 FOR ALL REFERENCED PHOTOS.
7. EXISTING ROOF DRAINS IN WALLS ARE TO BE ABANDONED.
8. ALL EXISTING ROOF VENTS ARE TO BE EXTENDED TO A MINIMUM OF 12" ABOVE THE NEW ROOF SYSTEM THAT ARE NEW OR REUSED.
9. CONTRACTOR TO CLEAN ALL ASPHALT/MASTIC FROM BRICK & COPING TO THE GREATEST EXTENT POSSIBLE.
10. REMOVE ALL FLASHING AND COUNTERFLASHING.

DEMOLITION AND RENOVATION NOTES

- 01 REMOVE EXISTING ROOF DRAINS AND CLEAN LEADERS DOWN TO MAIN DRAIN LINE IN WALL. CLEAN OFF DEBRIS. REPAIR AREA AROUND ROOF DRAIN AS NEEDED TO MAKE READY FOR NEW RETRO-FIT ROOF DRAIN IN THE SAME LOCATIONS. ROOF LEADER ARE IN GOOD CONDITION AND SHALL BE REUSED-TIE INTO UNDERGROUND DRAINAGE SYSTEM.
- 02 REMOVE EXISTING ROOF DOWN TO EXISTING DECK, PROTECT DECK WHILE EXPOSED. CLEAN AND MAKE READY FOR NEW INSULATION AND SINGLE PLY MEMBRANE ROOF.
- 03 REMOVE EXISTING WOOD DECK IN ROOF AREA #1 DOWN TO CONCRETE DECK. REMOVE ANY MATERIAL THAT MAYBE UNCOVERED ON THE EXISTING CONCRETE DECK.
- 04 REMOVE, CLEAN AND CATALOG ALL STONE COPING FOR PROPER RE-INSTALLATION.
- 05 CLEAN CONCRETE ROOF DECKS AND BACKS OF PARAPETS AND WALL TO THE GREATEST EXTENT POSSIBLE. PATCH ALL VOIDS, POINT AND FLUSH UP ALL MORTAR JOINTS. PREPARE FOR WATERPROOFING COATING. CRACKS AND HOLES SHALL BE FILLED WITH THOROSEAL THOROPUG.
- 06 EXISTING VENTS, PENETRATIONS, CURBS, EXHAUST, VENTILATION EQUIPMENT TO BE REMOVED UNLESS OTHERWISE NOTED. COORDINATE WITH MECHANICAL CONTRACTOR TO CONFIRM WHICH EXISTING ROOF PENETRATIONS THEY CAN REUSE. ALL OTHER ROOF PENETRATIONS SHOULD BE COVERED WITH 12 GAUGE GALVANIZED SHEET METAL, ANCHOR SECURELY TO DECK MAKE READY FOR NEW ROOF.
- 07 CORE DRILL HOLE TO MAKE WAY FOR NEW OVERFLOW ROOF SCUPPERS, CONTRACTOR SHALL DRILL EXPLORATORY HOLE PRIOR TO FULL SIZE DRILL. MAKE SURE THE OUTSIDE FACE OF WALL IS PROTECTED FROM DEBRIS FALLING TO BELOW. REFER TO DETAIL 4 ON SHEET 4.33.
- 08 PATCH AND POINT UP ALL MASONRY JOINTS AND HOLES SO THAT MASONRY WALLS AND PARAPET TOPS ARE SMOOTH.
- 09 COAT BACKS OF PARAPET WALLS AND PARAPET WALLS WITH 2 COATS OF THEROSEAL FOUNDATION COATING.

LEGEND

- SCALE AS NOTED
- Picture reference. REFER TO SHEET 4.32 FOR EXISTING CONDITIONS PHOTOS.
 - E.R.D. EXISTING ROOF DRAIN, REFER TO NOTES, DETAILS AND DEMO NOTES FOR REQUIRED WORK.
 - O.F.R.D. OVERFLOW ROOF DRAIN, REFER TO NOTES AND DETAILS FOR REQUIRED WORK.
 - R.D. NEW ROOF DRAIN, REFER TO NOTES AND DETAILS FOR REQUIRED WORK.
 - DEMO TAG
 - EXISTING MECHANICAL EQUIPMENT, PIPING, AND ROOF HATCH CURB.
 - MECH.

GENERAL NOTES

1. THIS PROJECT IS A COMPLETE TEAR OFF OF THE EXISTING FLAT ROOF AREAS OF THE 1941 AND 1954 ADDITIONS.
2. CARE MUST BE TAKEN TO PRESERVE AND NOT DAMAGE EXISTING HISTORIC ELEMENTS AND SURFACES.
3. ALL ITEMS THAT ARE REMOVED THAT ARE TO BE REUSED SHALL BE NUMBERED, CATALOGED, CLEANED AND REPAIRED AND SHOWN ON A SET OF RECORD DRAWINGS TO BE KEPT ON THE PROJECT SITE.
4. AS DEMOLITION PROCEEDS NOTIFY THE ARCHITECT, OWNER AND OWNER'S REPRESENTATIVE OF ANY UNFORESEEN CONDITION UNCOVERED THAT MAY NEED IMMEDIATE ATTENTION.

NOTE

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Project No.

1390

Date

07.10.2015

Drawn

GLM/KFP

Checked

JCS

Revisions

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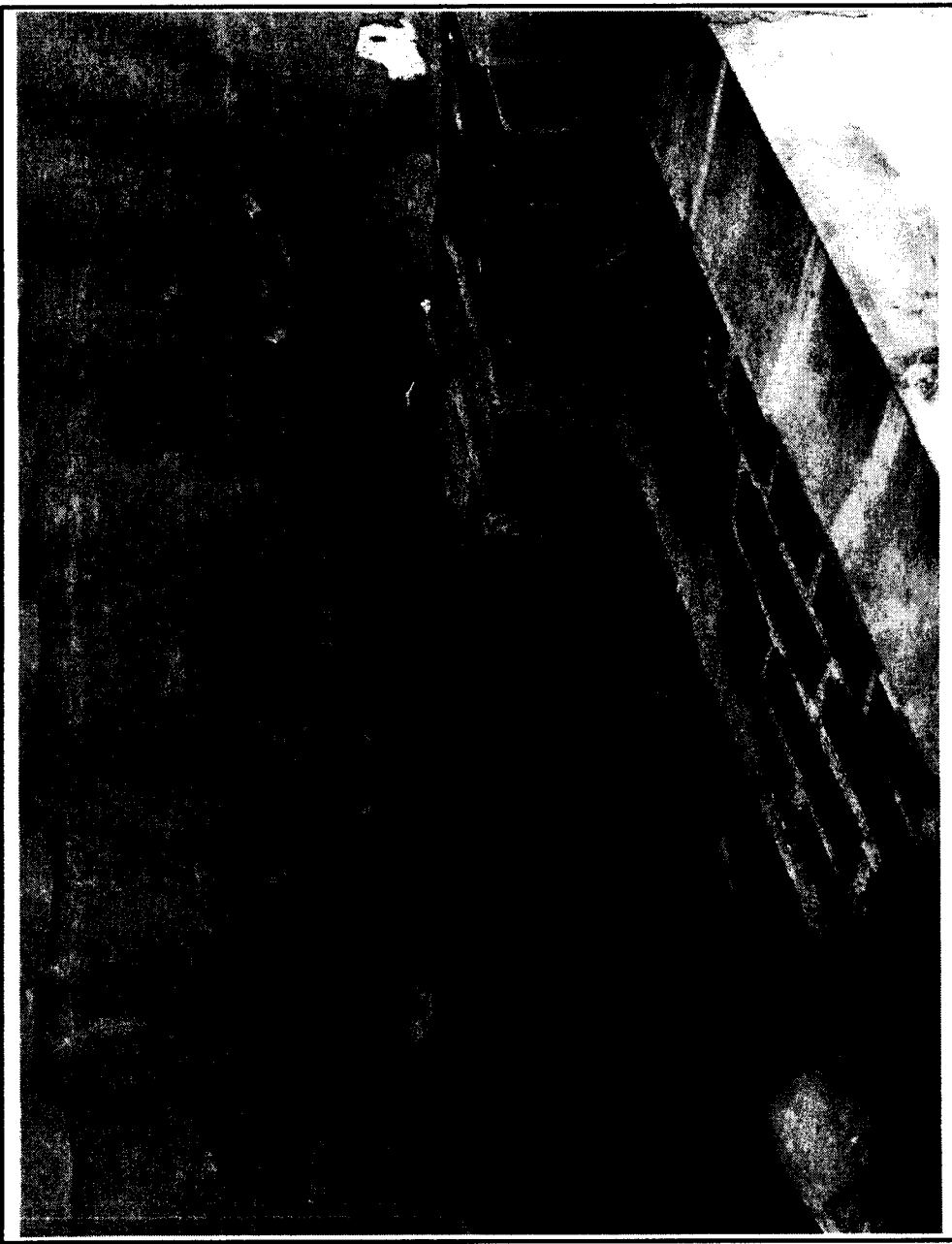


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

LOWER ROOF PLAN

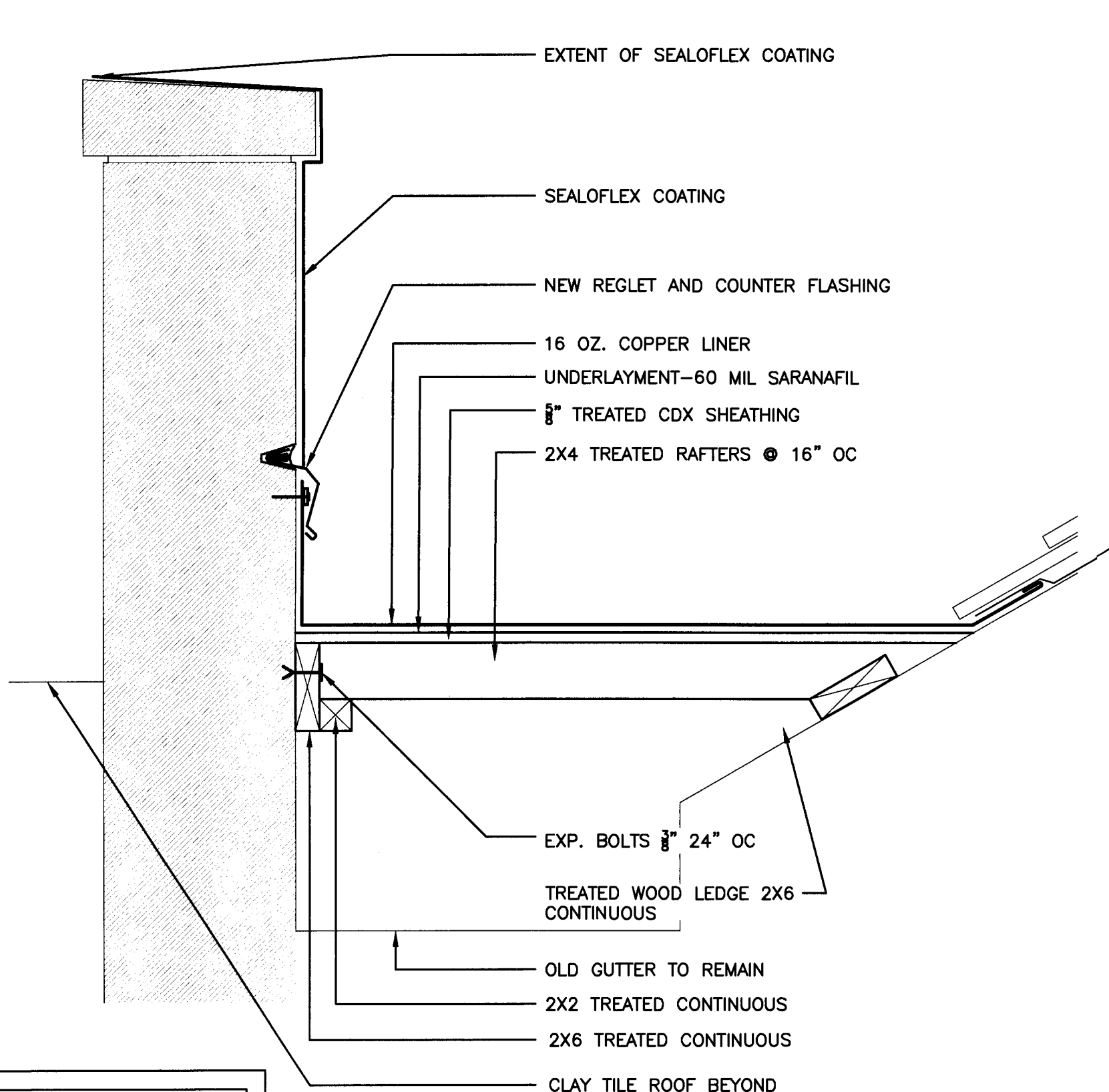
sheet 4.30

UPPER ROOF PLAN



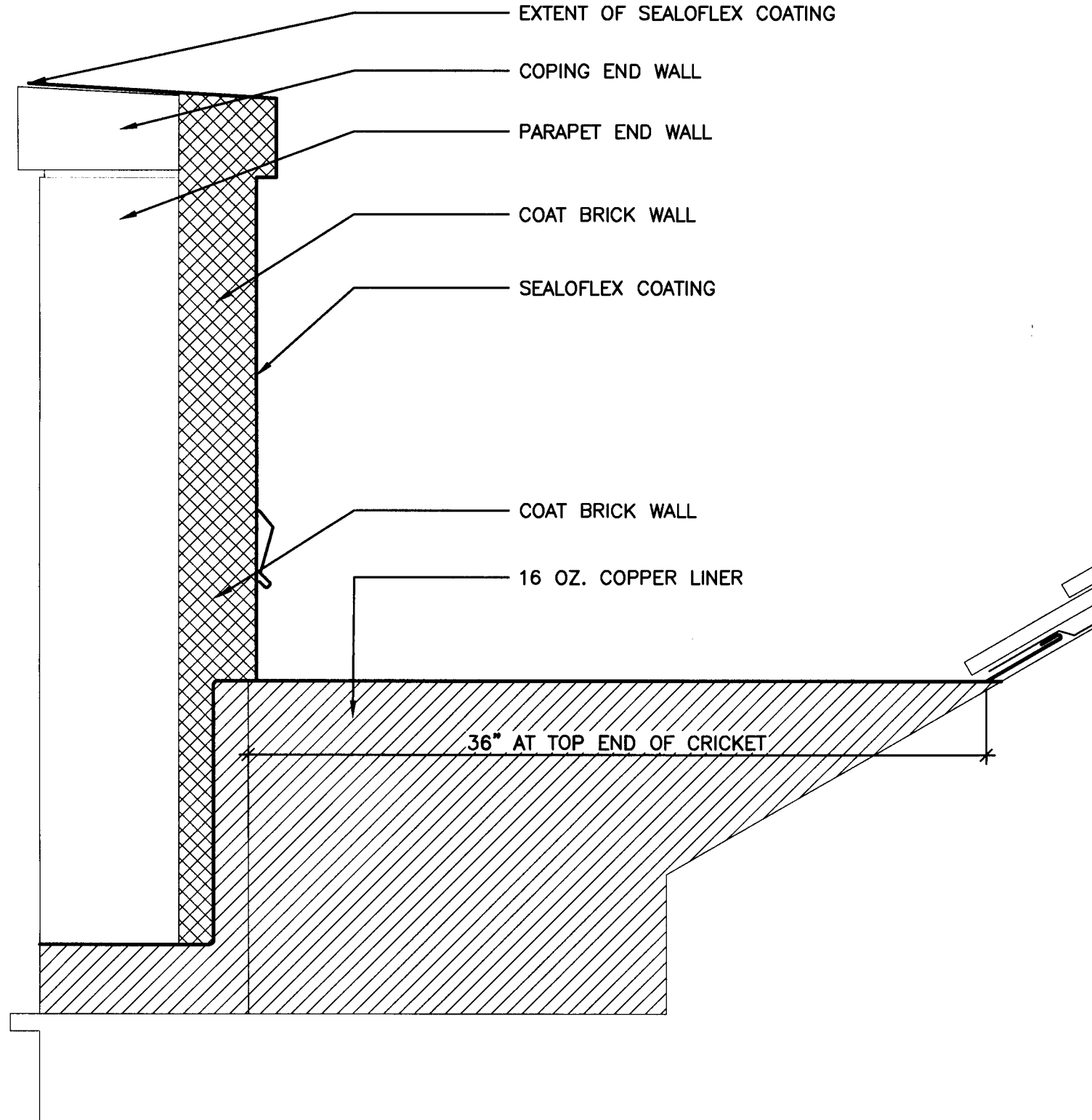
FRONT PARAPET
PHOTO #PA

SCALE 1 1/2" = 1'-0"



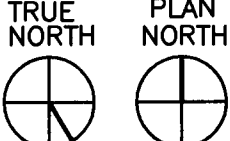
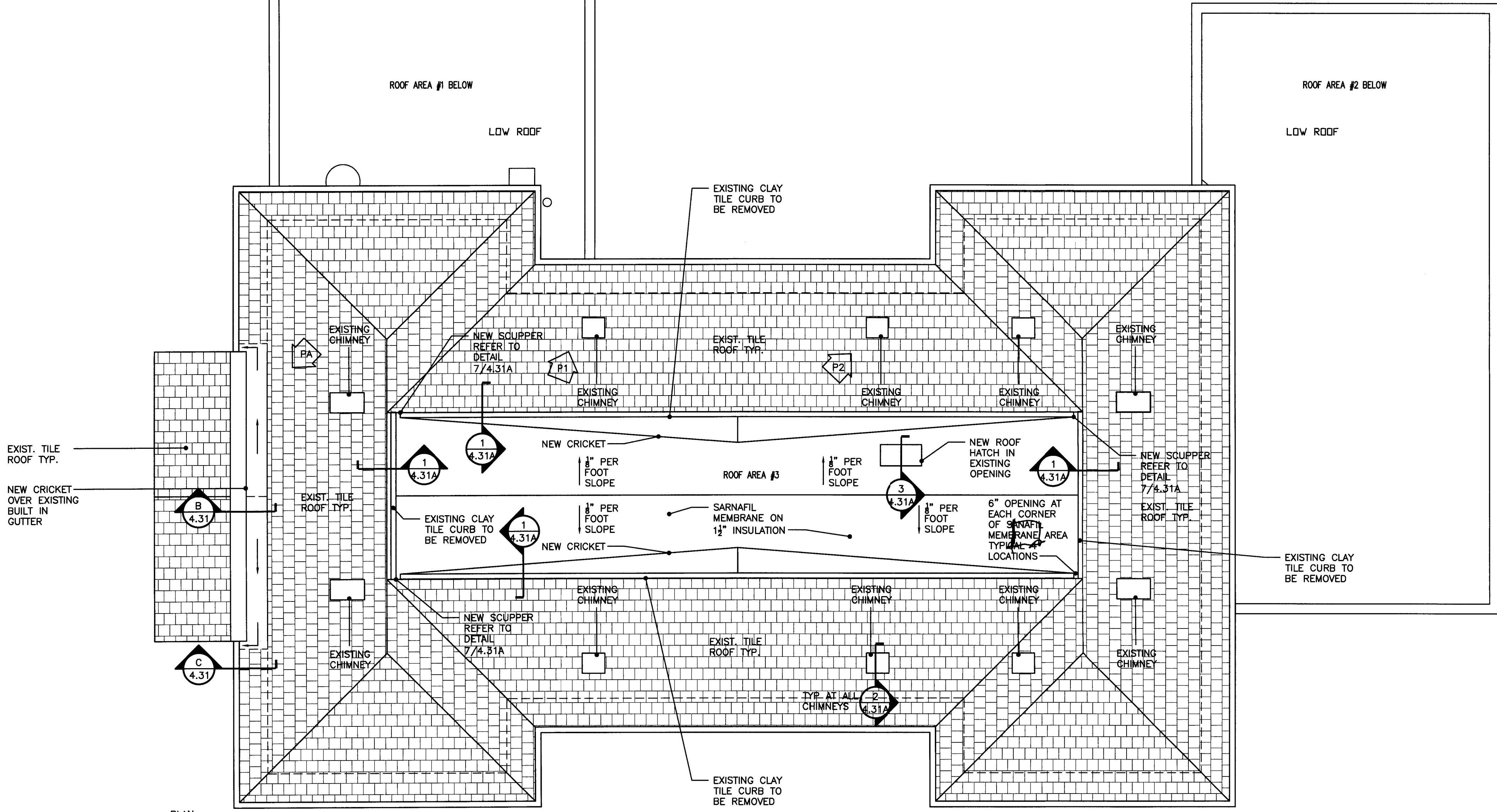
FRONT PARAPET

SCALE 1 1/2" = 1'-0"



FRONT PARAPET LEFT END AT NEW CRICKET

SCALE 1 1/2" = 1'-0"



UPPER ROOF PLAN

SCALE: 1/8"=1'-0"

CONSTRUCTION NOTES:

SCALE AS NOTED

A. FRONT PARAPET RENOVATION AND CONSTRUCTION NOTES:

1. SET UP SCAFFOLDING FOR LANDING AND ACCESS.
2. REMOVE ENOUGH TILE AS NEEDED FOR NEW WORK; SAVE FOR REUSE.
3. EXISTING BUILT-IN GUTTER BEHIND THE PARAPET WALL TO REMAIN IN PLACE.
4. ANCHOR NEW TREATED 2X6 WOOD FRAMING TO THE BRICK WALL AND ROOF SLOPE TO FORM A NEW CRICKET 36" WIDE AT TOP AND 12" OPENING AT THE BOTTOM. INSTALL 3/4" TREATED PLYWOOD DECKING. SEE DETAILS.
5. CUT NEW REGLET IN THE MASONRY FOR NEW COUNTER FLASHING.
6. INSTALL FULLY ADHERED 60 MIL. SARNAFIL UNDERLAYMENT OVER PLYWOOD, TURN UP MASONRY WALL MINIMUM OF 4" AND ATTACH TO WALL WITH CONTINUOUS 1"x4" ALUMINUM TERMINATION BAR.
7. FABRICATE AND INSTALL FLAT SEAM COPPER PANELS WITH ALL SOLDERED SEAMS WITH 10# SOLDERING IRONS. DO NOT SOLDER OVER SARNAFIL MEMBRANE.
8. FABRICATE AND INSTALL NEW COPPER COUNTER FLASHING.
9. POINT UP ALL BRICK JOINTS AND VOIDS TO BRING MASONRY TO A SMOOTH EVEN SURFACE.
10. APPLY SEALOFLEX ELASTOMERIC COATING ON THE BRICK FROM THE COUNTER FLASHING UP TO AND OVER THE LIMESTONE COPING.
11. CUT AND INSTALL THE SALVAGED TILE TO FIT THE NEW CRICKET.
12. INSTALL ENDS IN REMAINING GUTTER AT END OF PARAPET TO PREVENT WATER FROM DRAINING BACK INTO THE COVERED GUTTER.
13. CLEAN UP ALL DEBRIS AND WASH DOWN ALL SURFACES.

B. CLAY TILE ROOFING RESTORATION AND CONSTRUCTION NOTES (PERIMETER CORNICE AND CLAY TILE RESTORATION, THIS WORK SHALL BY PERFORMED BY THE SAME SUB CONTRACTOR):

1. BROKEN TILE WAS NOTED RANDOMLY OVER THE ENTIRE ROOF AREA. REMOVE BROKEN TILE AND REPLACE WITH TILE STOCK THAT IS STORED IN THE ATTIC.
2. SAVE ALL BROKEN OR CHIPPED TILE THAT IS REMOVED AND STORE IN ATTIC.
3. AFTER ALL HIGH ROOF OPERATIONS ARE COMPLETE, WASH DOWN ALL ROOF TILE AND FLAT ROOF AREA.

C. TOP FLAT ROOF AREA RESTORATION AND CONSTRUCTION NOTES:

THE CURRENT ROOF IS FLAT SEAM COOPER. THE AREA IS DIVIDED INTO THREE SPACES. THE EAVE IS RAISED AND CAPPED WITH CLAY RIDGE CAP. WATER DRAINS THROUGH THE RAISED EDGE IN SIX SCUPPERS AND DRAINS DOWN ACROSS THE TILE ROOF. DRAINAGE AREAS ARE TURNING WHITE DUE TO WATER CARRYING THE CHALKED COATING WITH IT AND COMPLETE THE FOLLOWING WORK AS DESCRIBED IN CONJUNCTION WITH DETAILS:

1. REMOVE THE CLAY TILE AND STORE INSIDE ATTIC.
2. REMOVE COPPER AND DISCARD.
3. REMOVE TWO EXPANSION BREAKS (NEEDED FOR COPPER NOT SARNAFIL).
4. ADD FRAMING AS NEEDED TO RAISE PERIMETER PARAPET UP TO AT LEAST 12".
5. LEAVE A SIX (6") OPENING IN THE FRONT AND REAR PARAPET WALL AT THE TOP IF THE VALLEY AS SHOWN.
6. INSTALL 1 1/2" SARNATHERM INSULATION MECHANICALLY TO WOOD DECKING.
7. INSTALL CRICKETS THAT SLOPE FROM THE FROM THE CENTER OF THE FLAT ROOF TO THE FRONT AND BACK OF THE ROOF TO DRAIN OPENINGS AT EACH END.
8. INSTALL 80 MIL SARNAFIL ROOFING MEMBRANE FULLY ADHERED AND MECHANICALLY FASTENED.
9. FABRICATE AND INSTALL COPPER APRON AND FASCIA TO FLASH TOP OF TILE.
10. FABRICATE AND INSTALL SPECIAL SCUPPER (4) TO DRAIN WATER TO TOP OF VALLEY.
11. FABRICATE AND INSTALL FINISH COPPER WALL CAP.
12. INSTALL NEW 30" X 54" BILCO TYPE NB ROOF HATCH IN SAME LOCATION AS EXISTING ROOF HATCH.
13. AT COMPLETION OF WORK CLEAN UP ALL DEBRIS AND WASH DOWN ENTIRE FLAT ROOF AND ROOF TILE AREAS.
14. RE-INSTALL ALL CLAY TILE THAT WAS REMOVED FOR FLAT ROOF WORK.

D. CHIMNEY WORK RESTORATION AND CONSTRUCTION NOTES:

1. CLEAN ALL CHIMNEY SURFACES.
2. RAKE OUT AND POINT UP ALL MORTAR JOINTS WITH TYPE "S" MORTAR WITH A TIGHT CONCAVE TOOLED SURFACE.
3. PATCH AND SEAL ALL MORTAR JOINTS AND BRICK.
4. PATCH AND REPAIR ALL CHIMNEY CAPS THAT CAN BE REPAIRED. CAPS THAT ARE DETERIORATED BEYOND REPAIR MUST BE REPLACED IN THE SAME MATERIAL IN THE SAME CONFIGURATION.
5. FABRICATE A CHIMNEY CAP CONSTRUCTED WITH TREATED 2"x FRAMING, 3/4" TREATED PLYWOOD COVERED WITH 20-OZ. COPPER WITH ALL SEAMS SOLDERED.
6. ANCHOR CAP TO CHIMNEY WITH 4-3/8" STAINLESS STEEL BOLTS AND EXPANSION ANCHORS - 1 PER SIDE IN CENTER.
7. APPLY 2-COATS OF MASONRY WATER REPELLANT TO ALL CHIMNEYS.

NOTE

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Project No.

1390

Date

07.10.2015

Drawn

GLM/KFP

Checked

JCS

Revisions

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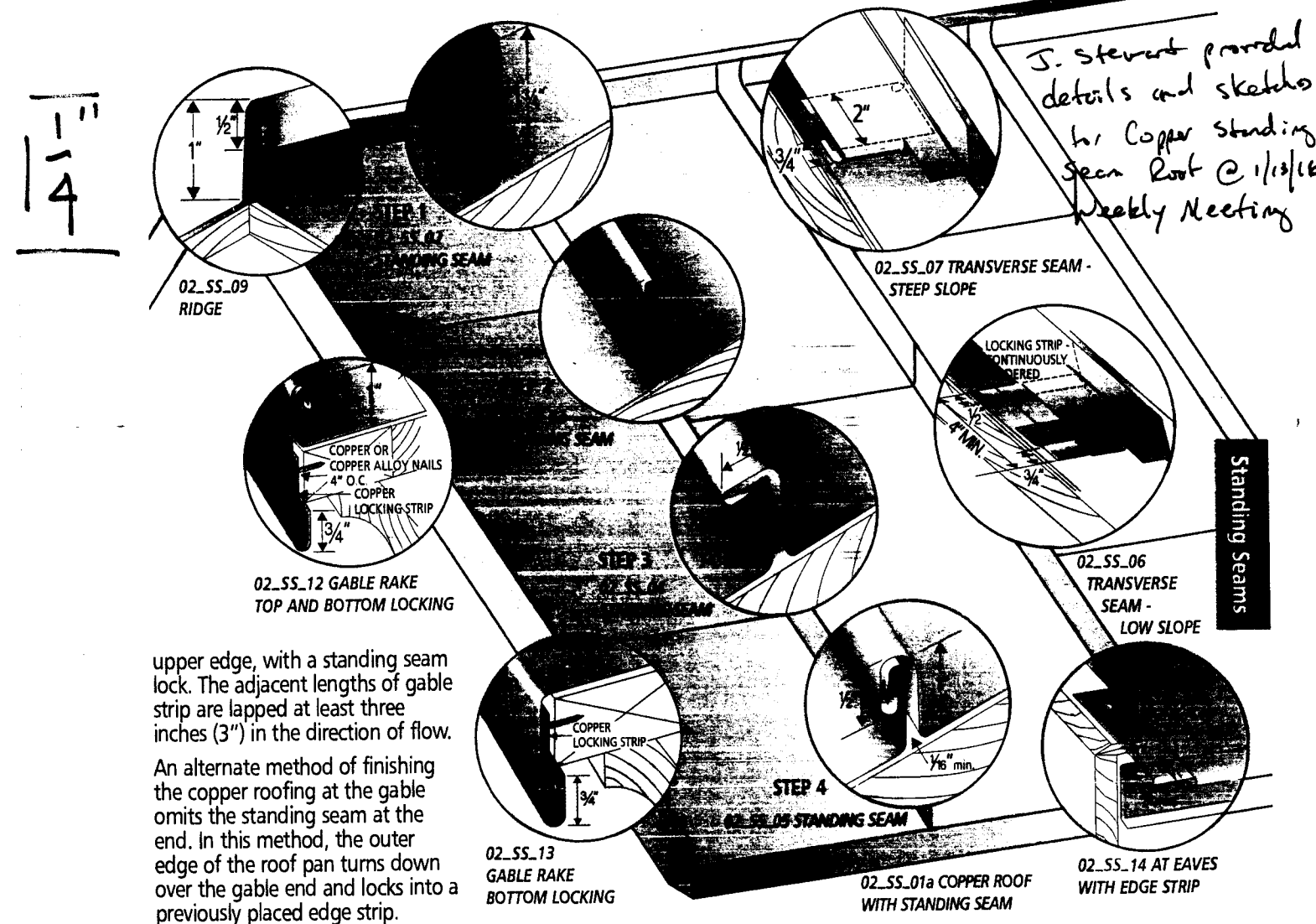
Stewart-Cooper-Newell
Architects



RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
UPPER ROOF PLAN

sheet 4.31

Standing Seam Construction 3A



upper edge, with a standing seam lock. The adjacent lengths of gable strip are lapped at least three inches (3") in the direction of flow.

An alternate method of finishing the copper roofing at the gable omits the standing seam at the end. In this method, the outer edge of the roof pan turns down over the gable end and locks into a previously placed edge strip.

Hips and Ridges

Hips and ridges may be finished with standing seams, batten seams, ridge rolls, ventilated assemblies, etc.

When standing seams are used to finish the hips or ridges, the seams on opposite sides of the hip or ridge should be offset - i.e., they cannot meet at the hip to form an inverted "V". This is because the multiple layers of copper in the standing seams on the roof make it difficult to form a seam on the hip or ridge.

To form a standing seam at hips and ridges it is necessary that the

seams in the roof be laid flat six inches (6") from the upper edge of the pans where it meets the ridge or hip. Pans on opposite sides of the ridge or hip are turned up one-and-a-half inches (1-1/2") and one-and-three-quarter inches (1-3/4") - to form a standing seam in the usual manner.

Due to the multiple layers of metal at a hip or ridge it is difficult to form double-locks at these locations. As a result, some contractors may wish to substitute single-lock seams in place of double-lock seams. While single-lock seams are less weather

resistant than double-lock seams, this is seldom a problem at hips and ridges. Revere does not suggest the use of single-lock standing seams in the field of a roof or wall.

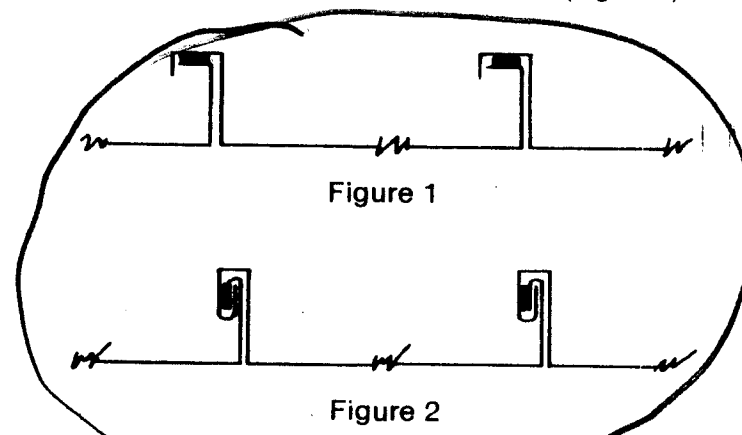
"Z" clips that are continuously soldered to the pans may be used to construct ventilated hips and ridges so long as secondary provision against wind-blown water is provided. Revere does not suggest finishing hips and ridges with "Z" clips that are nailed, screwed, or riveted to the roof pans. See also Section 3G - Supplementary Details - for more ridge cap finishes.

3A.5

SECTION 3A

Special conditions

When desirable to use a standing seam on roof slopes less than 3" per ft., a high grade butyl sealing tape or, alternately, a bead of comparable sealant can be applied to the top flange of the shorter leg (Figure 1). The standing seam is then closed and finished in the usual manner (Figure 2).



The low pitch transverse seam detail should be used and a bead of sealant should be applied in the lock formed by the soldered locking strip. The "Z" fold on the lower end of the upper pan should hook into the locking strip of the underlying pan. The completed seam should be dressed down to a thickness of not less than 1/4" and a continuous bead of sealant should be visible the full width of the pan. The lap of the vertical portion or upstanding legs of the pans should also be set in sealant.

Machine formed pans

Standing seam pans may be made with power panformers, using either flat sheet or coiled sheet with this equipment. Available power panformers are adjustable to provide seam spacing from 6" to 24 1/2" apart. Long rafter-length pans can be made from coiled sheet, eliminating the need for transverse seams.

Power seamers are also available providing full-finished, 1" high, double-locked standing seams. See Section 12 for further details.

Roofs over 30 feet

For standing seam roofs that exceed 30' up to 45', extension cleats should be used. Several kinds of

Pans on opposite sides of the ridge or hip are turned up 1 1/2" and 1 3/4" to form a standing seam in the usual manner. To achieve continuity of seams at ridge and hips, the seams from different roofs must be notched before laying over to reduce the number of thicknesses of copper.

Eaves

At eaves, the end of each pan is hooked over a previously placed edge strip and secured with a minimum 1/4" loose lock. The edge strip may be formed as shown in Supplementary Roofing Details, Section 3F, or may take another required form. The ends of the standing seams at the eaves may be cut and folded back or turned down and locked to the edge strip. Connections to gutters are shown in Supplementary Roofing Details, Section 3F.

Gable rakes

At gables the standing seam is formed by turning up the edge of the last pan 1 1/2" flush with the edge of the roof. The separate rake strip locks 1/4" at its lower edge over a previously placed edge strip. This rake is secured to the roof pan at its upper edge with the standing seam lock (Detail G1). The adjacent lengths of rake strip are lapped at least 3" in the direction of flow.

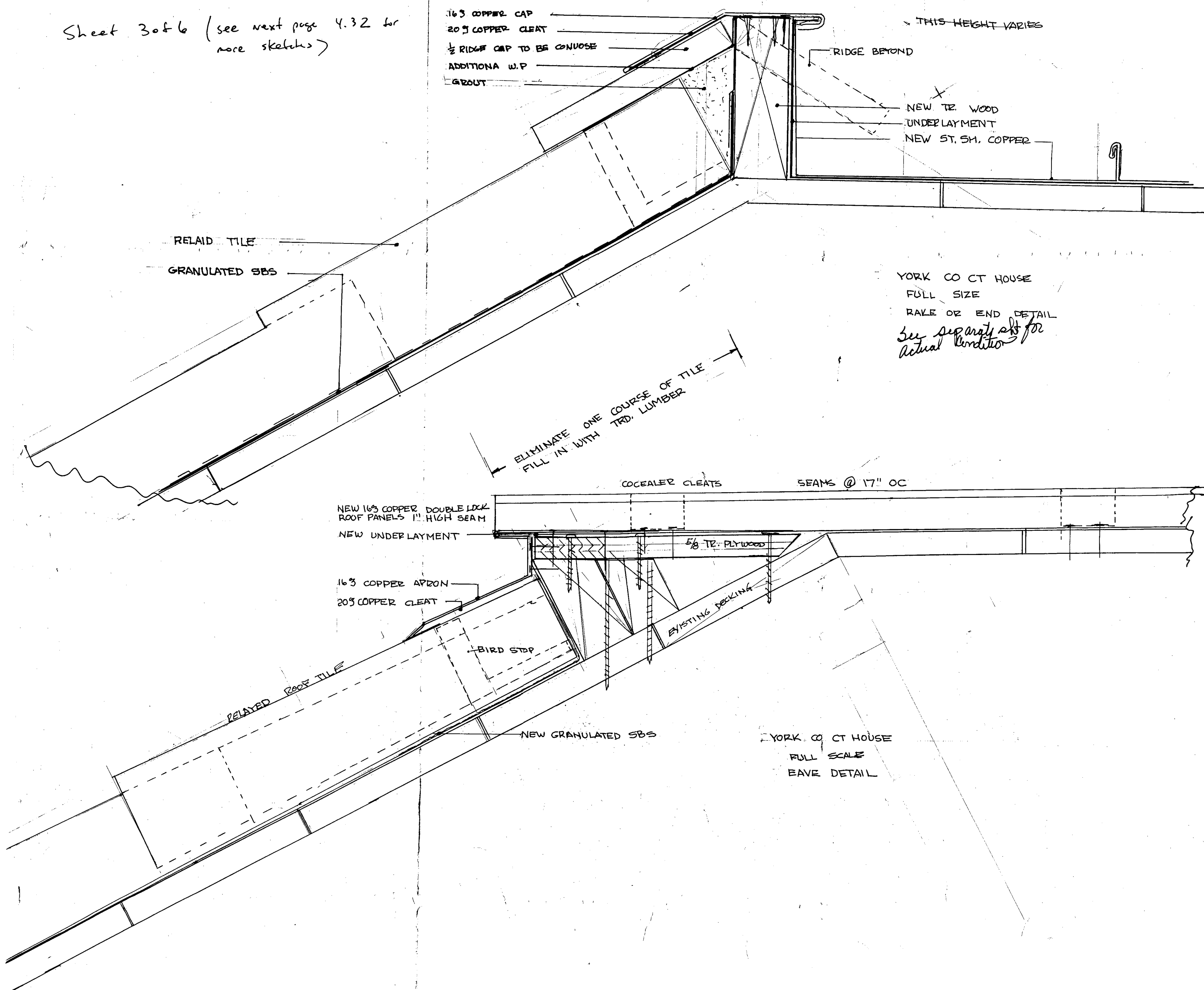
An alternate method of finishing the copper roofing at the gable omits the standing seam at the end. In this method the outer edge of the roof pan turns down the gable end and locks over a previously placed strip (Detail G2).

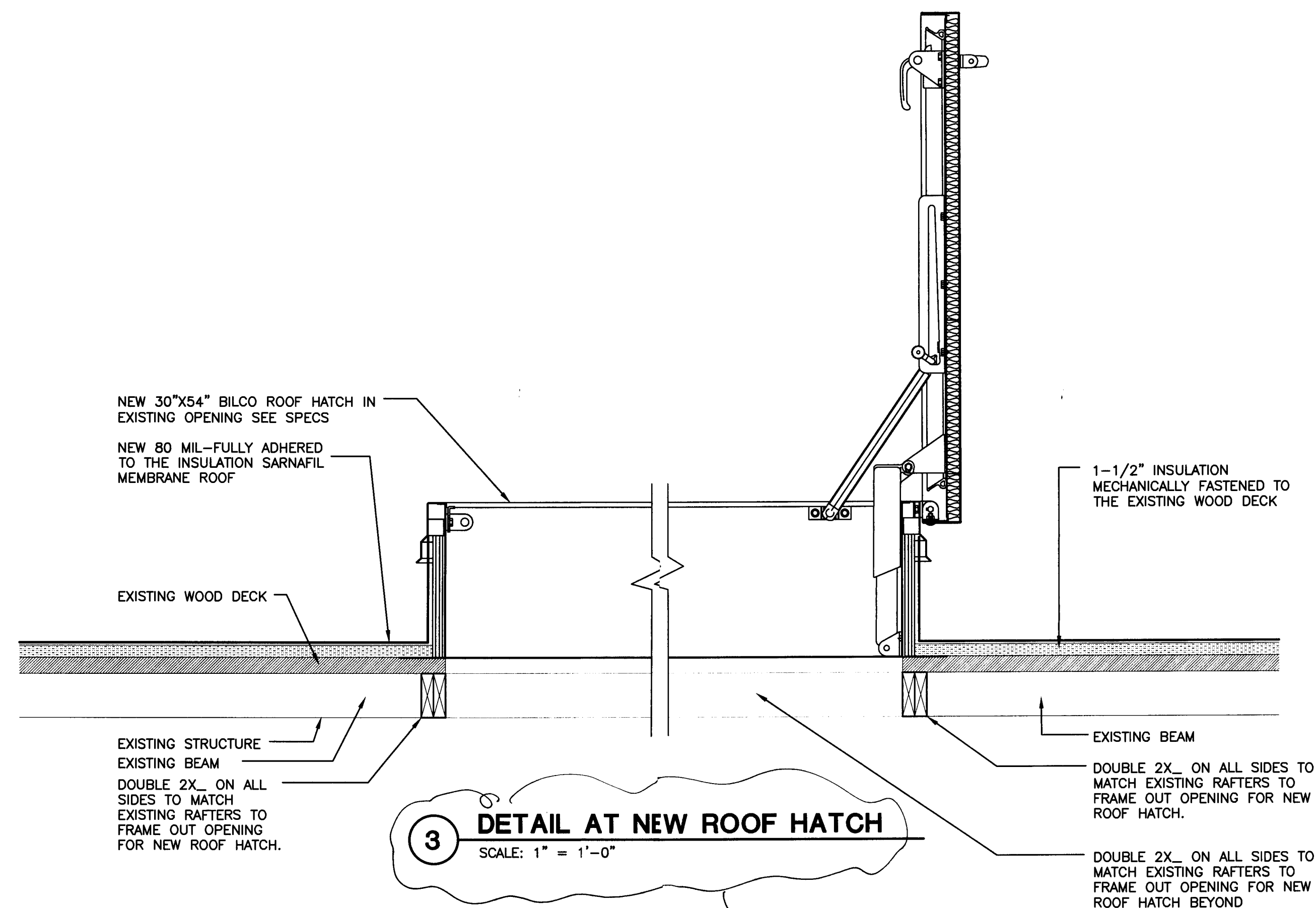
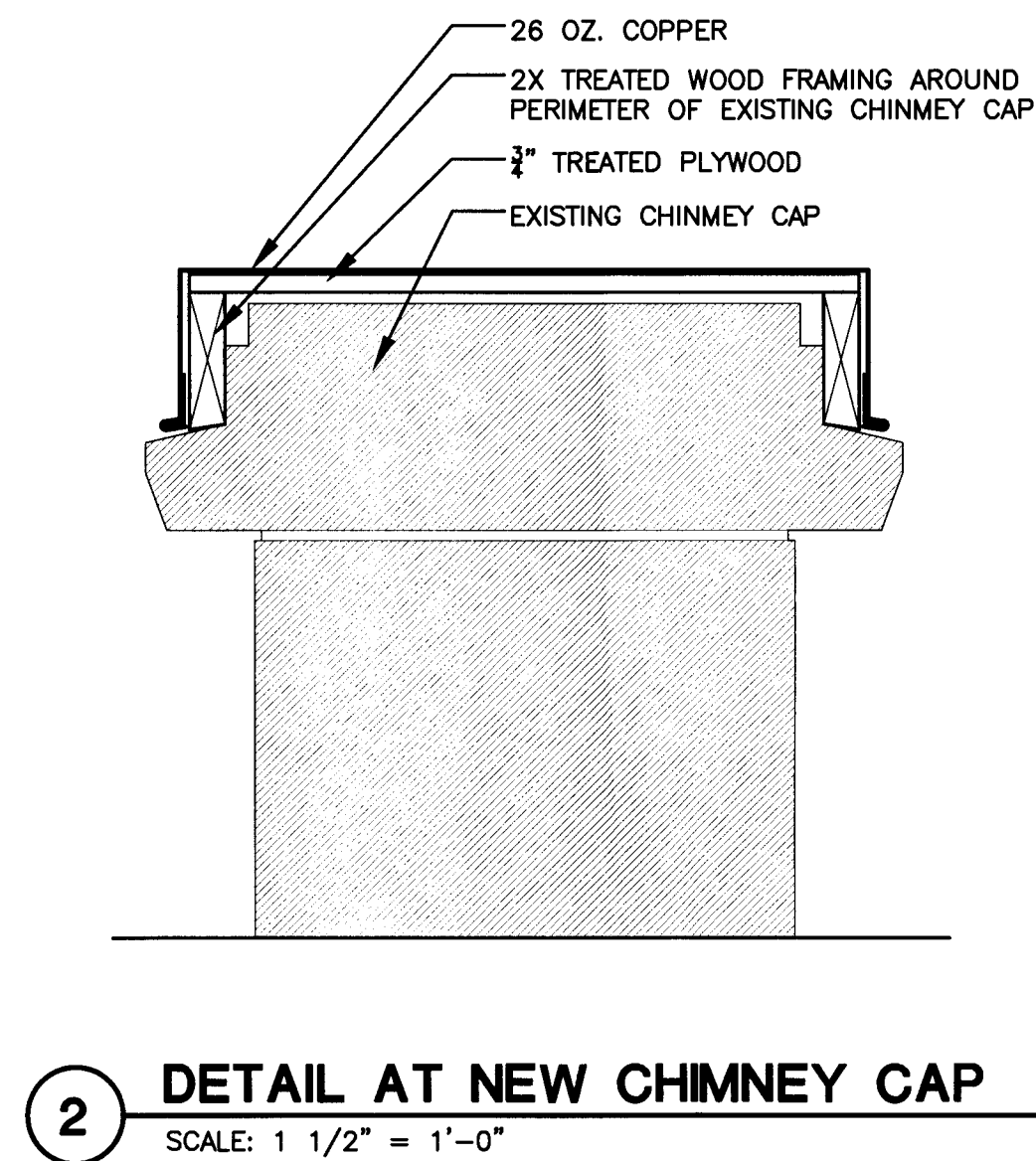
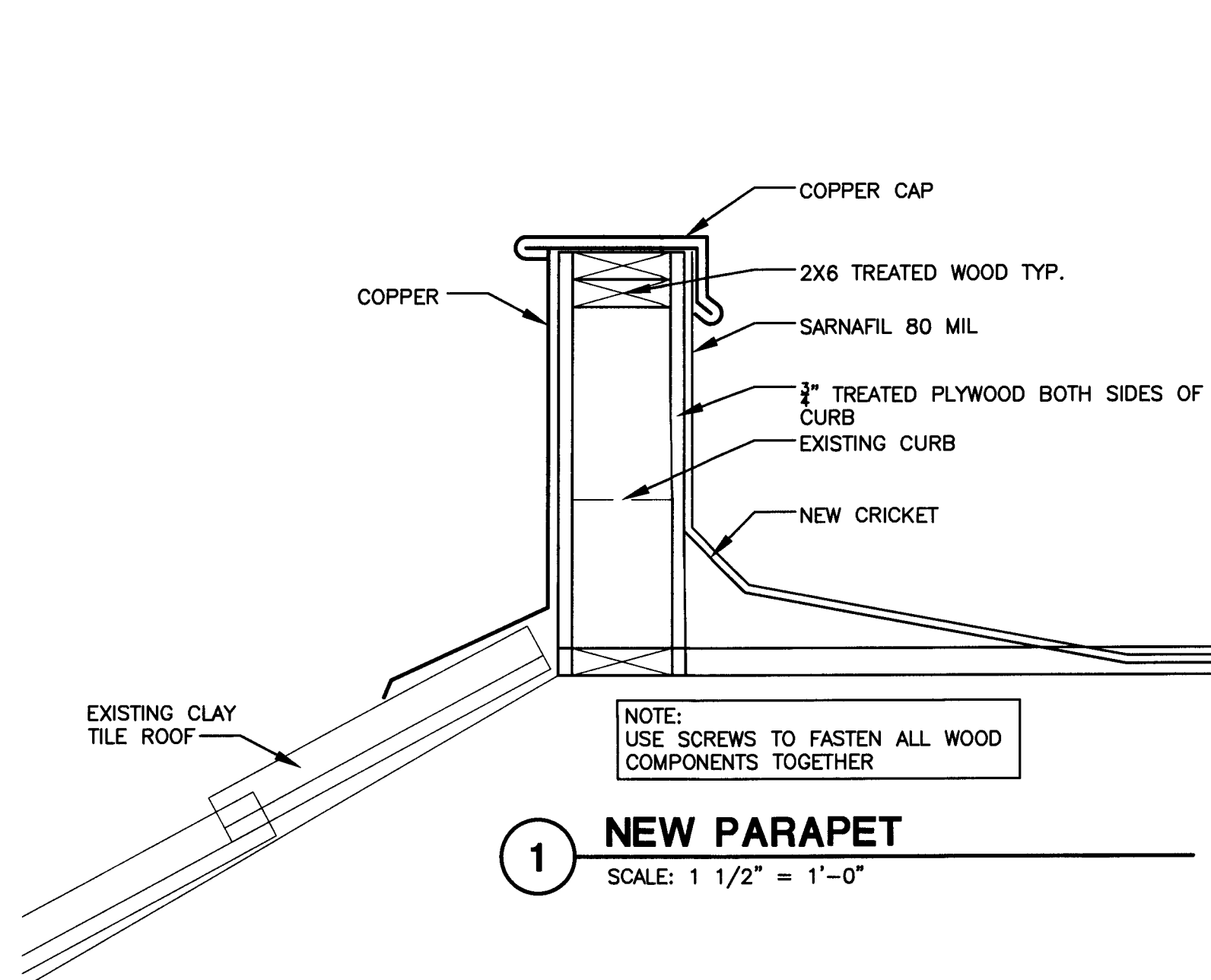
Valleys

The sides of each valley sheet are folded 1/2" for cleating. Into these folded edges copper cleats 2" wide are applied and spaced not more than 18" apart.

The upper edge of each valley sheet is nailed or otherwise secured to the roof deck. The lower edge of the upper valley sheet is lapped over the lower sheet not less than 6" (see Valley Flashing Section 4F). This lap should not be soldered. At a distance of 6" from the side edge a continuous locking strip should be soldered to the valley sheet. Alternately, at the same distance in from the side edge, a double fold may be formed in the valley sheet (Valley Detail). Over this strip, or into the fold, the lower edge of each roof pan is hooked and dressed down. Either method of side edge construction

Sheet 3 of 6 (see next page 4.32 for more sketches)





Modified to a copper clad lid
See sheet #6 of roof changes
for upper roof.



4 CHIMNEY PHOTO #1
SCALE: N.T.S.

NOTE:
SEE NOTES ON SHEET 4.31



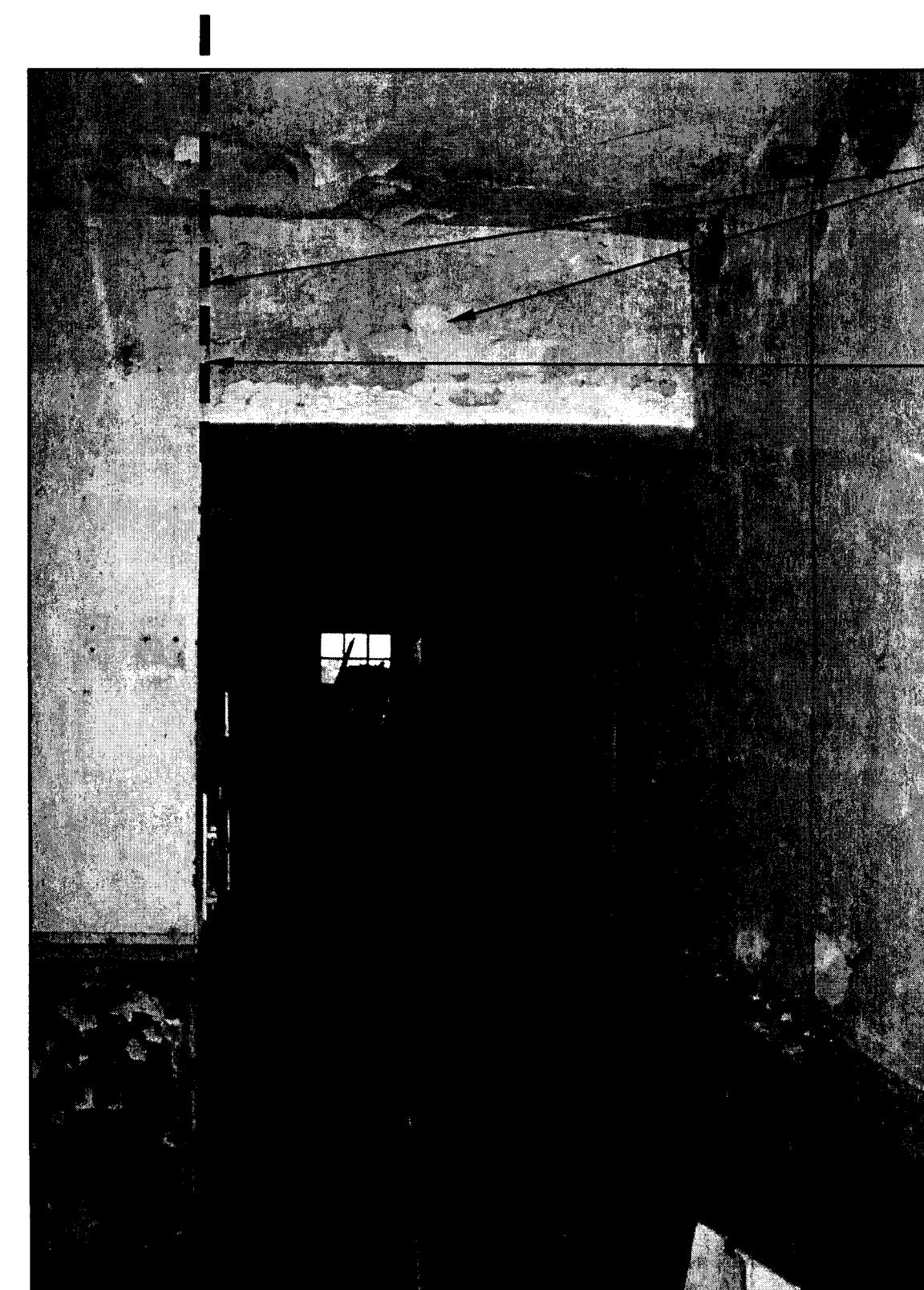
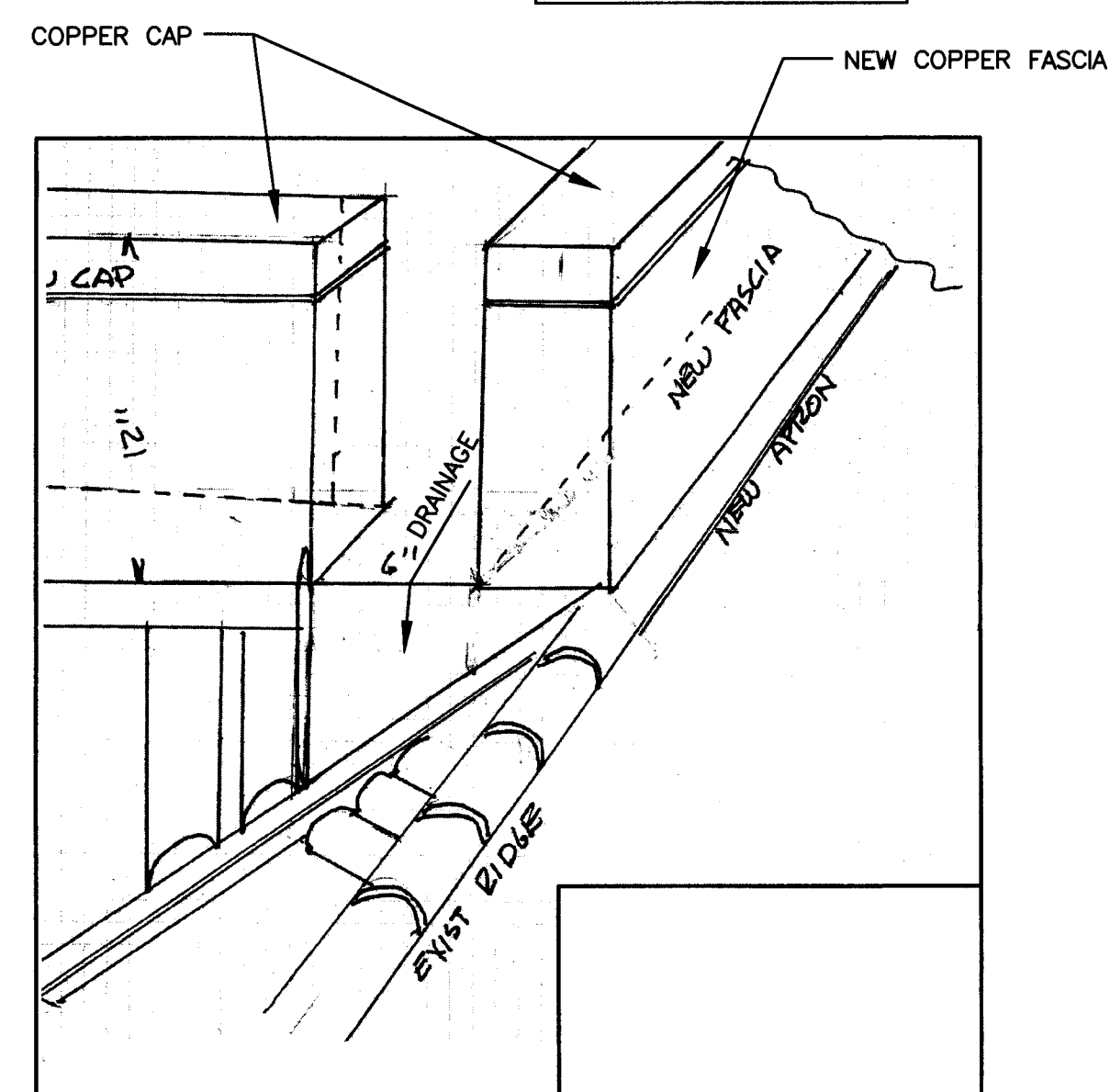
5 CHIMNEY PHOTO #2
SCALE: N.T.S.

NOTE:
SEE NOTES ON SHEET 4.31



6 EXISTING ROOF HATCH
SCALE: N.T.S.

NOTE:
SEE NOTES ON SHEET 4.30



8 FLUE REMOVAL PHOTO
SCALE: N.T.S.

REMOVE ABANDONED
FLUE TO DEMOLISHED
BOILER ROOM AND
SURROUNDING PLASTER
BACK TO THIS POINT

SEAL AND CAP ALL
EXISTING HORIZONTAL
AND VERTICAL FLUE
OPENINGS AT WALLS
AND CHIMNEYS

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Sheet 4 of 6 - See opposite page for Details and Sketches
for Copper Standing Seam Roof.

Sheet 5 of 6

REINSTALL THIS TILE CAP TO GIVE CONTINUOUS
APPEARANCE FROM END VIEW

REBUILD END WALLS

ICE & WATER SHIELD

NEW GROUT

RELAID TILE

BIRD STOP

GRANULATED SBS

RIDGE BEYOND

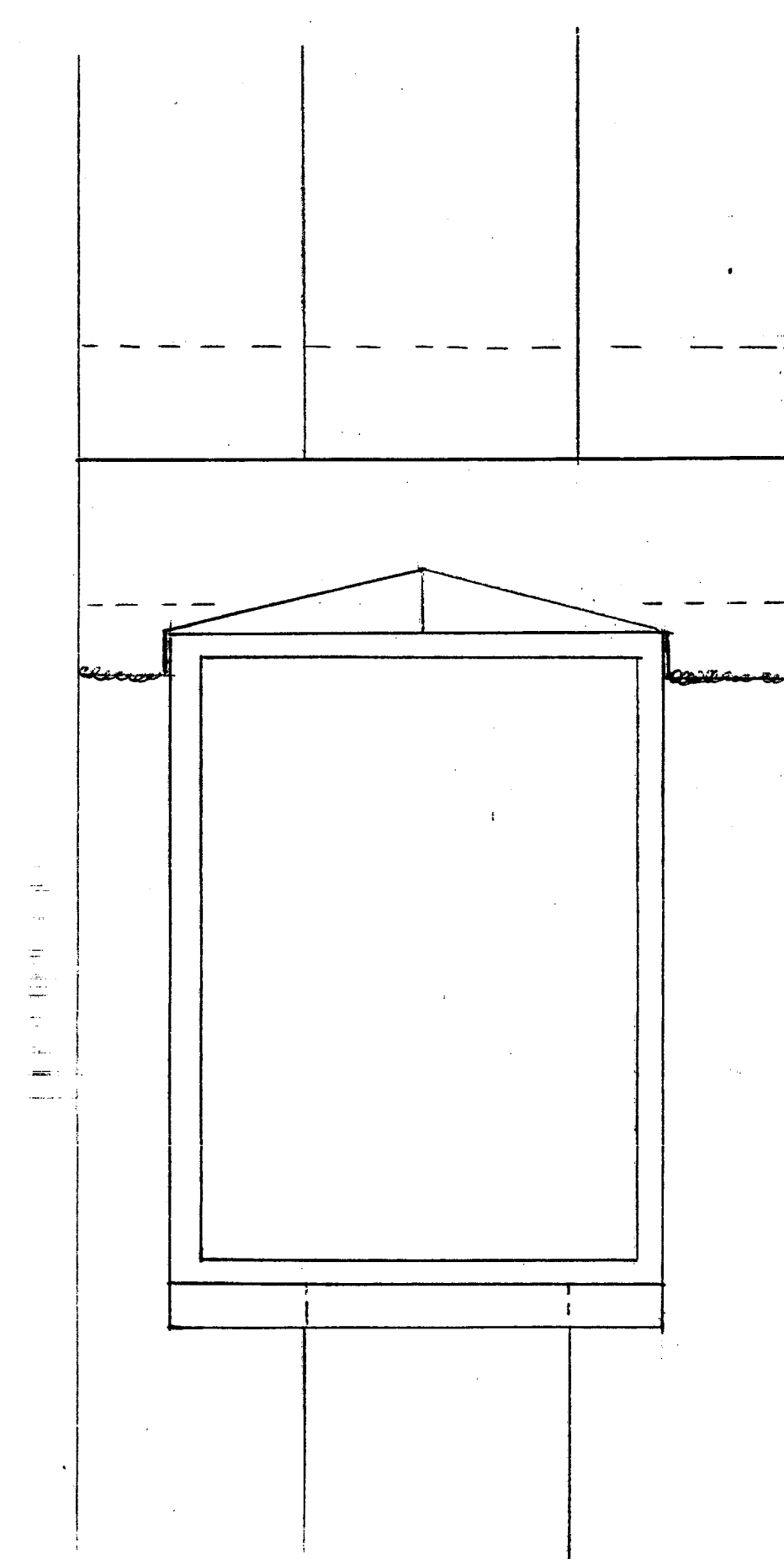
COPPER ROOF

this is closer to actual condition
overlay

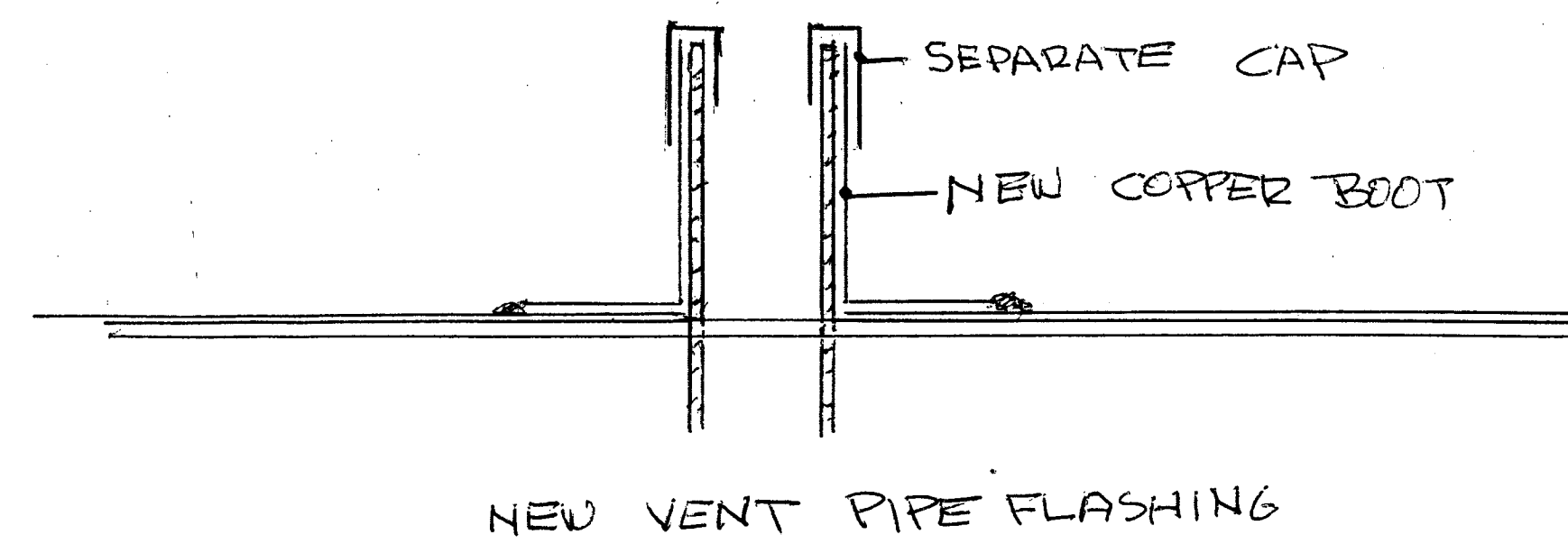
Actual Ridge Size

Rip ridge is flat

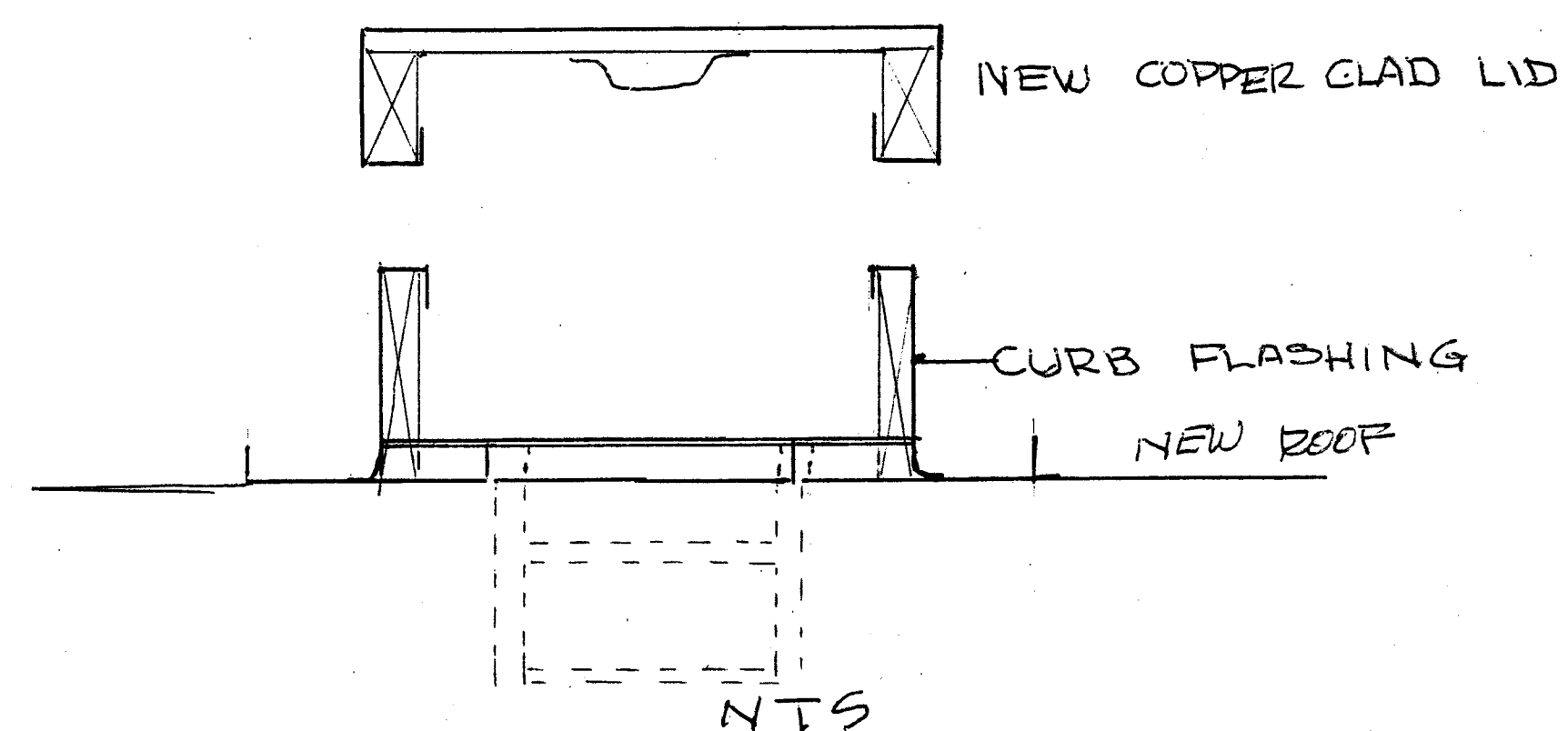
Sheet 6 of 6



ACCESS HATCH FLASHING DETAIL
NTS



NEW VENT PIPE FLASHING

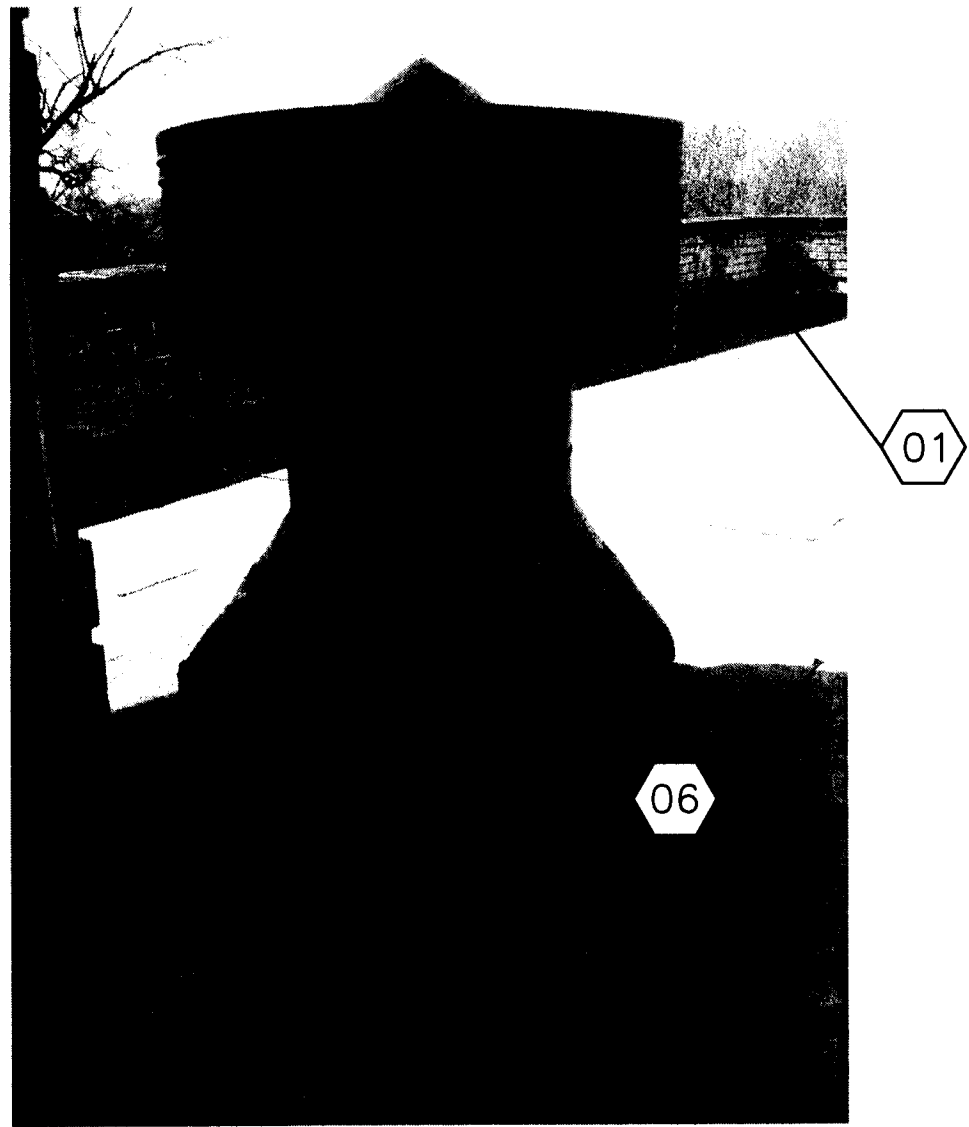


NEW COPPER CLAD LID

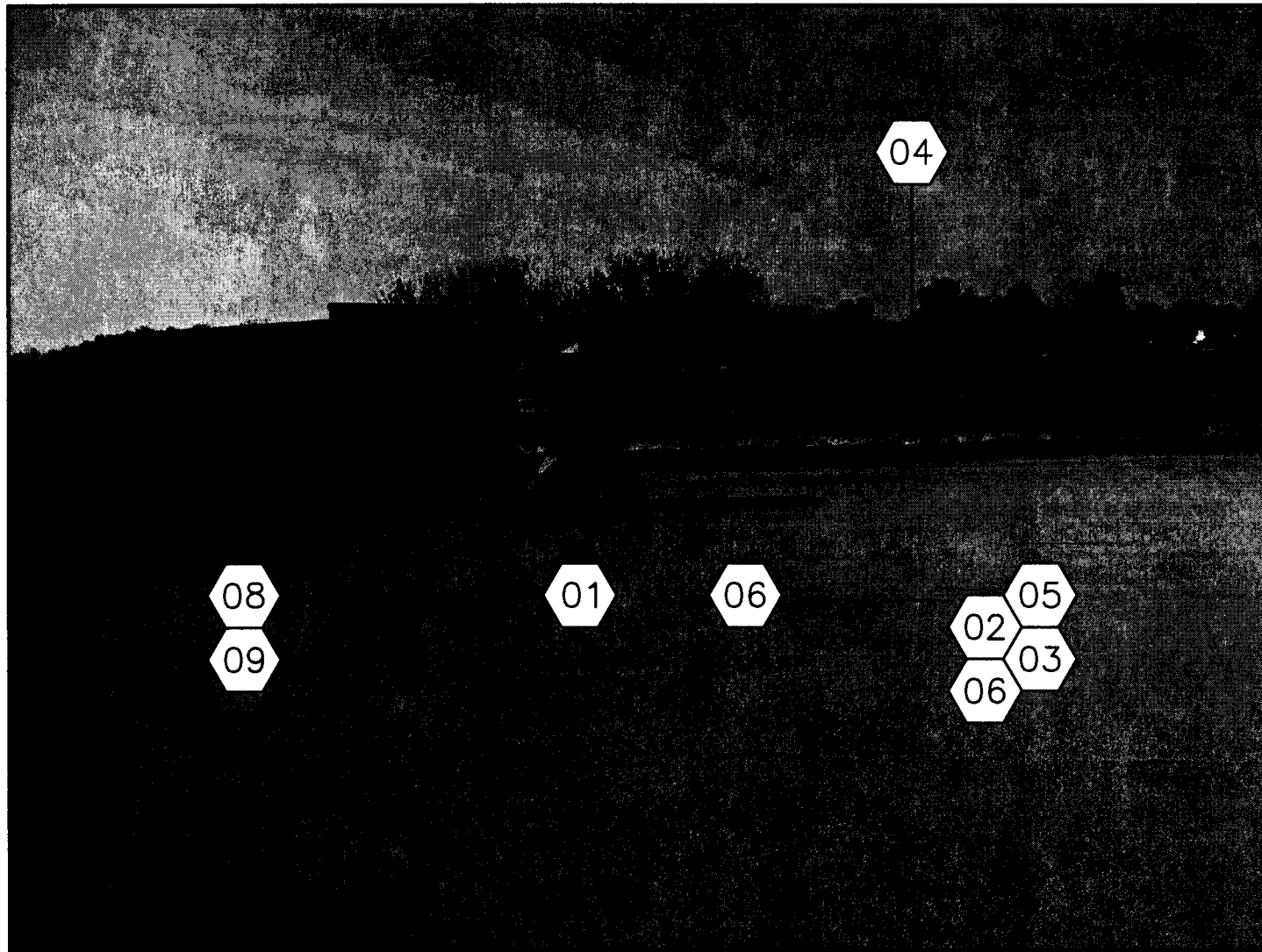
CURB FLASHING

NEW ROOF

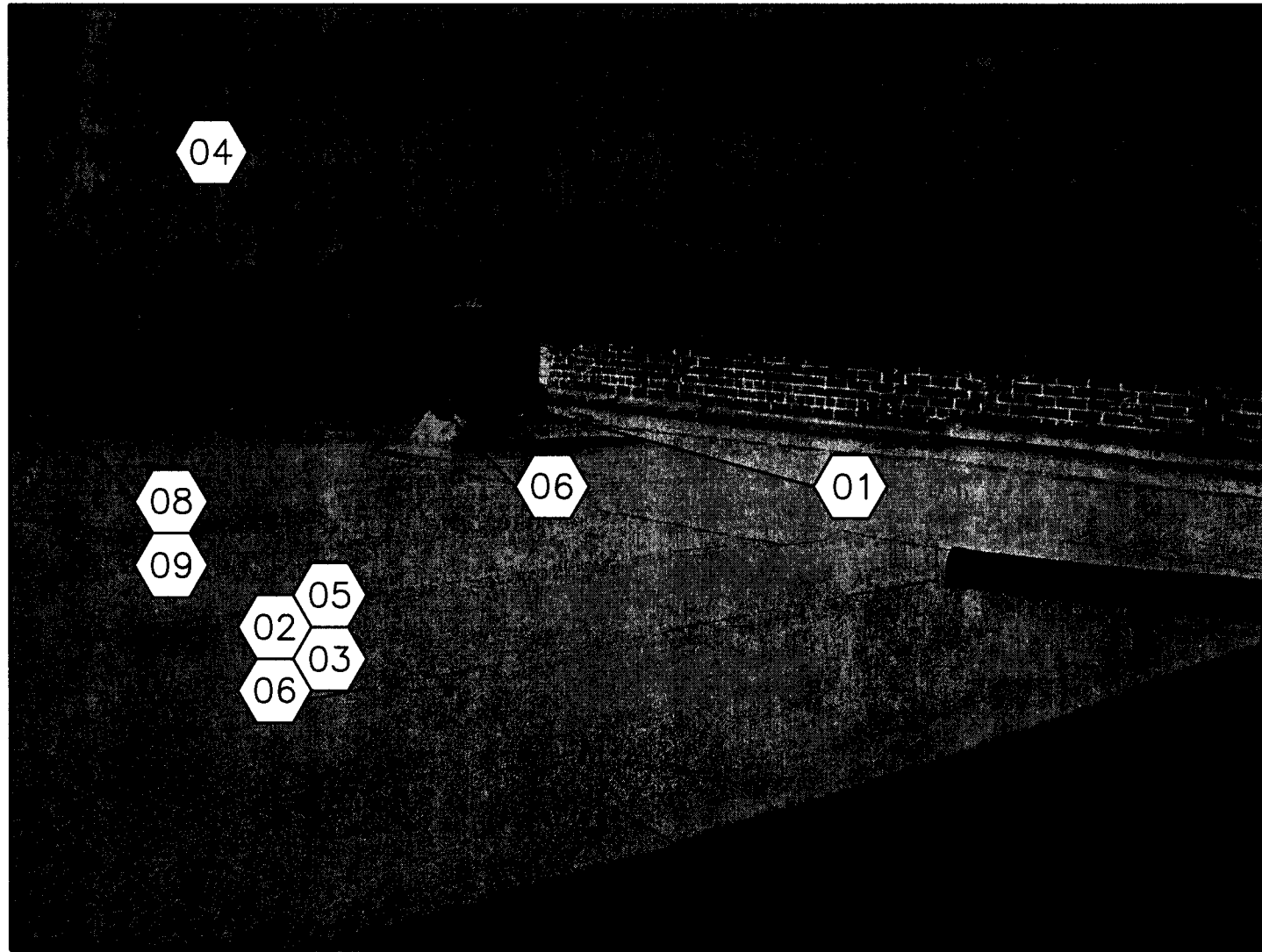
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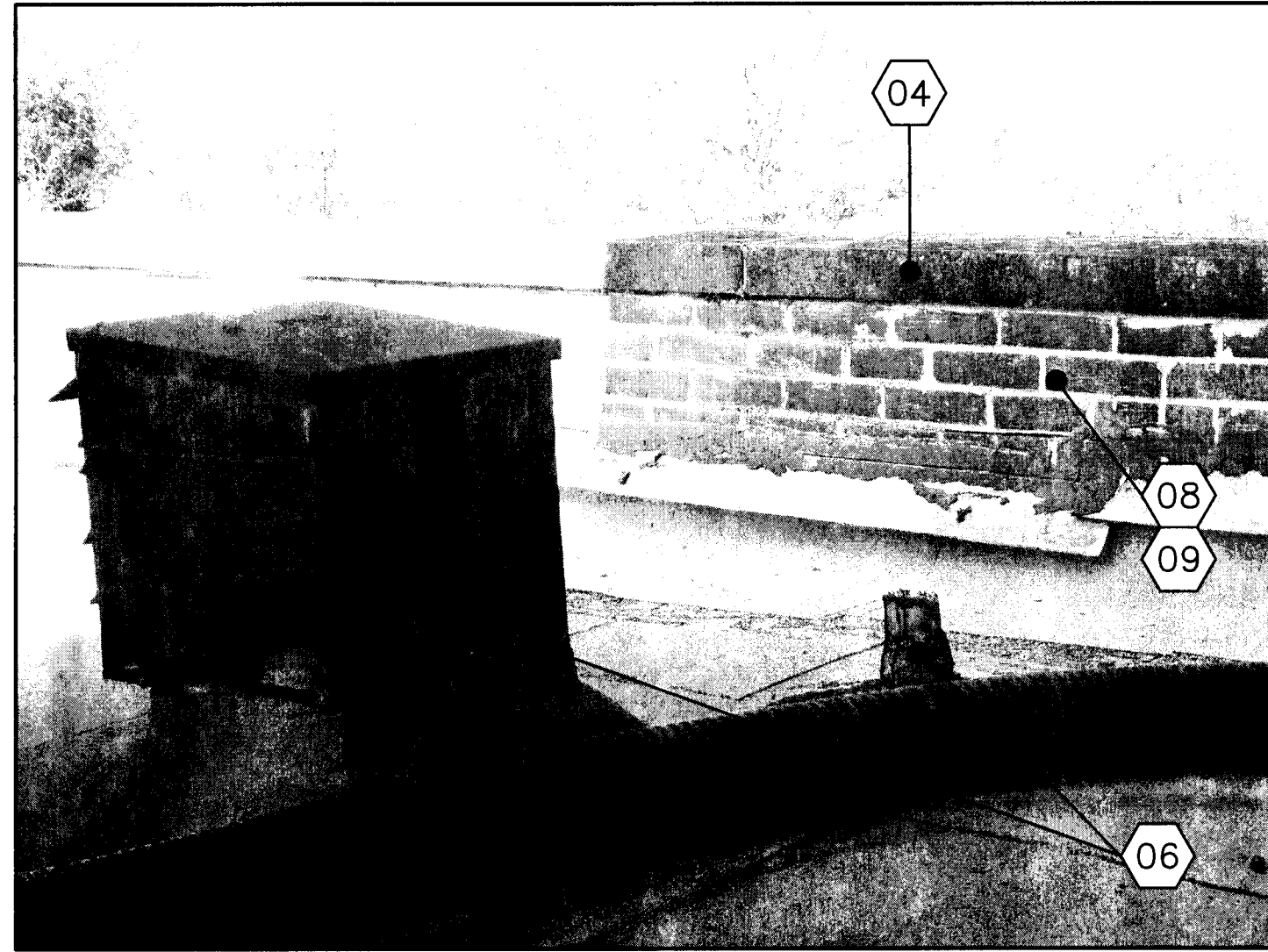
P1 ROOF #1 PHOTO
NTS



P2 ROOF #1 PHOTO
NTS



P3 ROOF #1 PHOTO
NTS

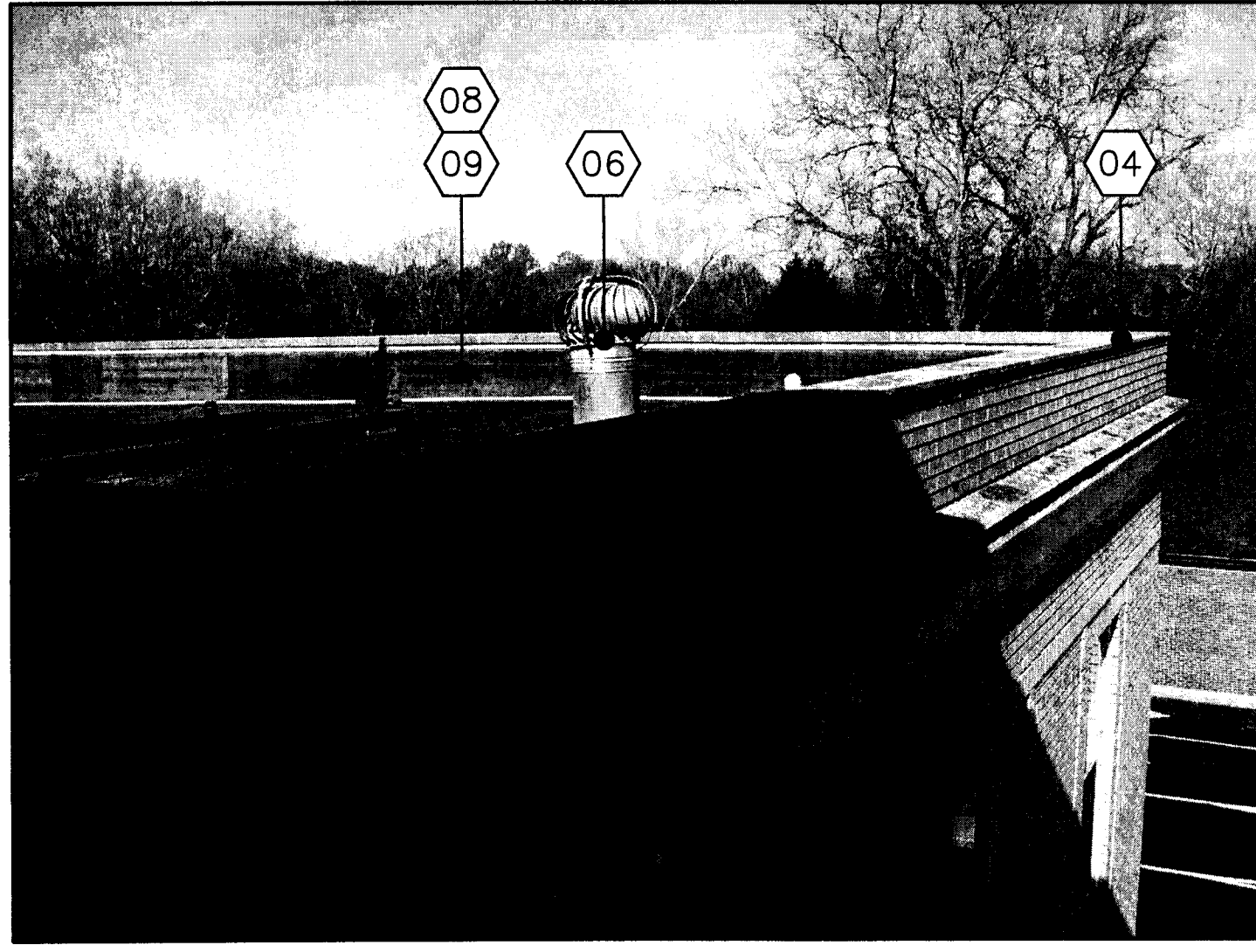


P4 ROOF #1 PHOTO
NTS

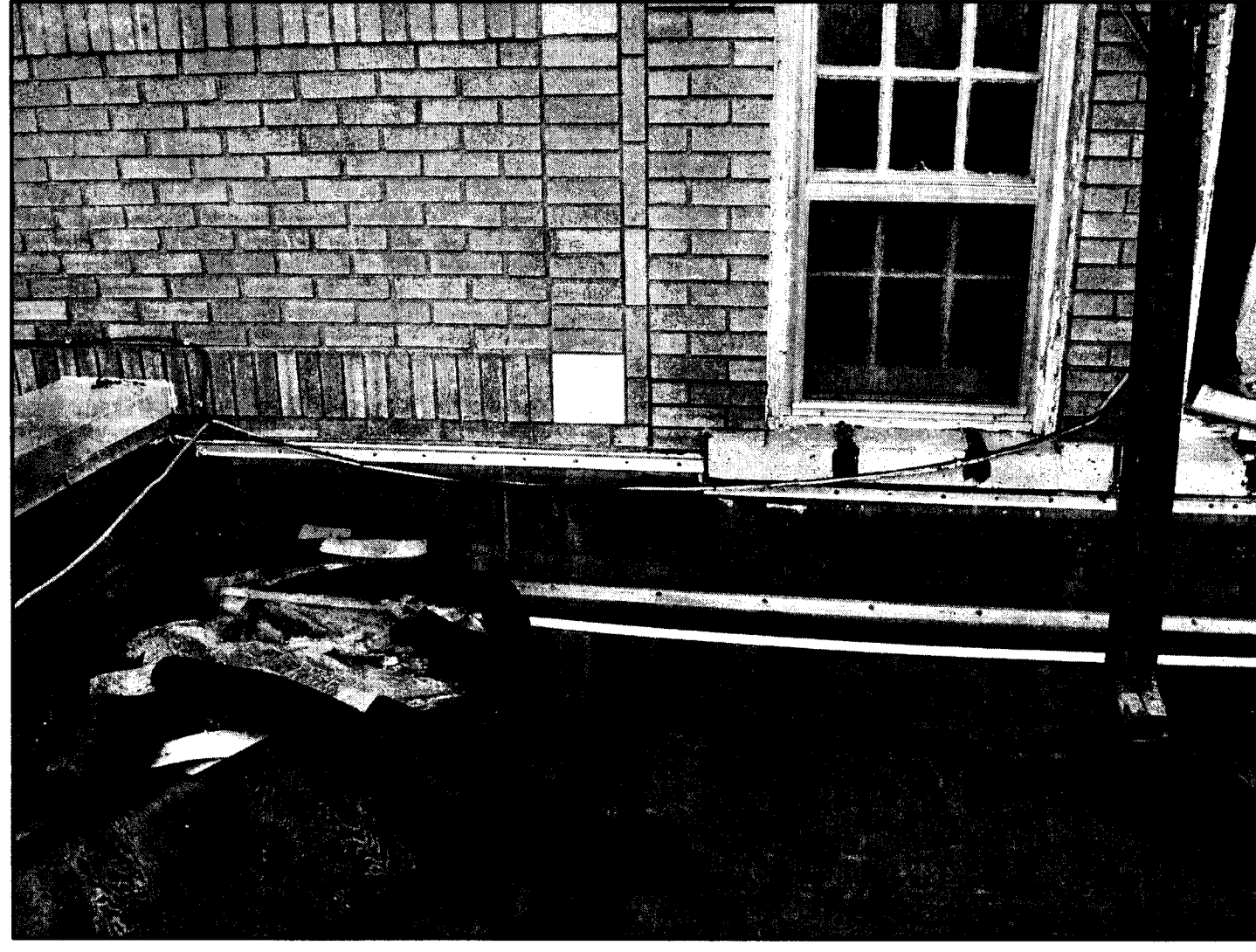


P5 ROOF #1 PHOTO
NTS

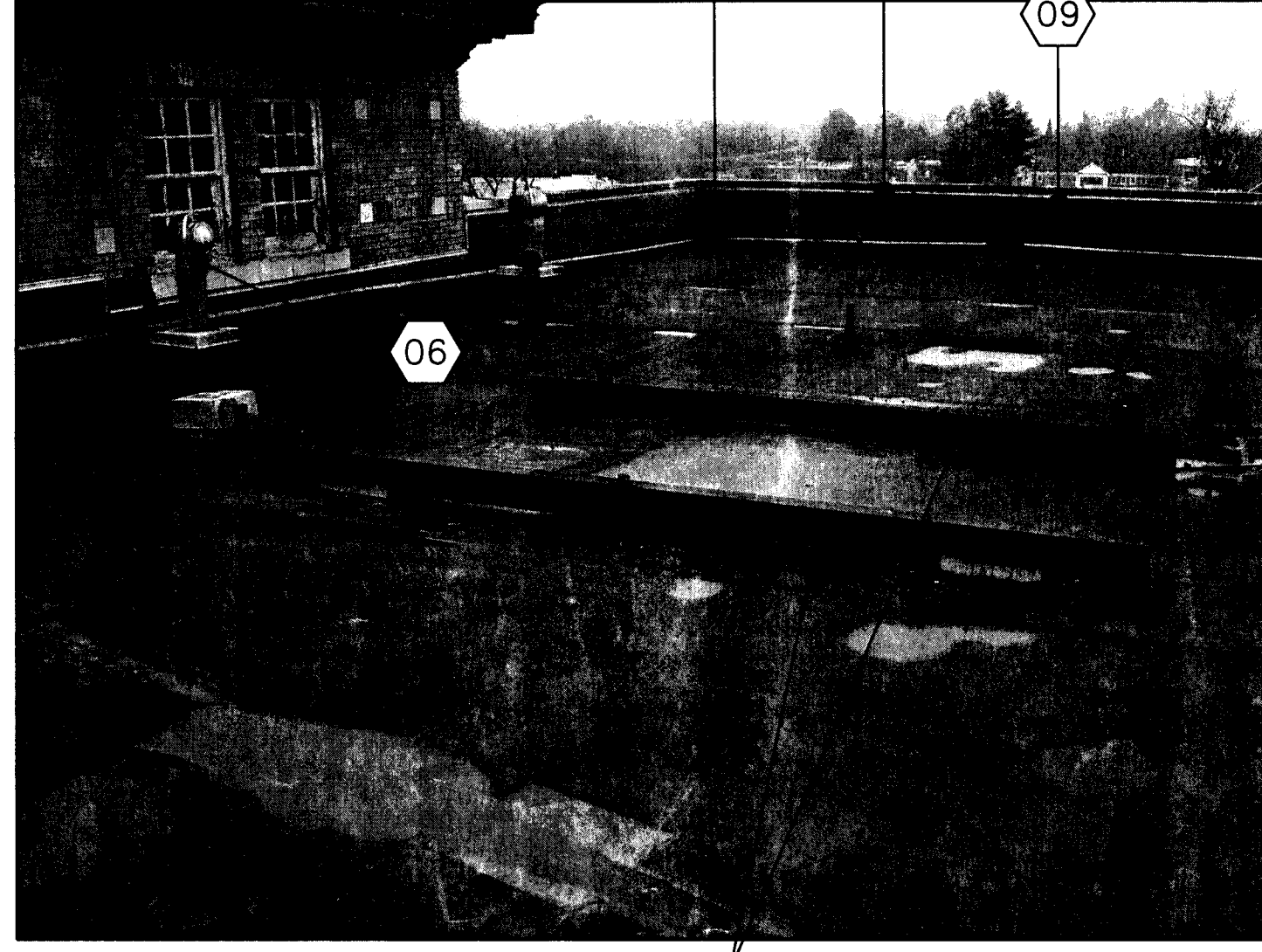
REFER TO 7/4.33 FOR DETAIL THIS AREA



P6 ROOF #2 PHOTO
NTS

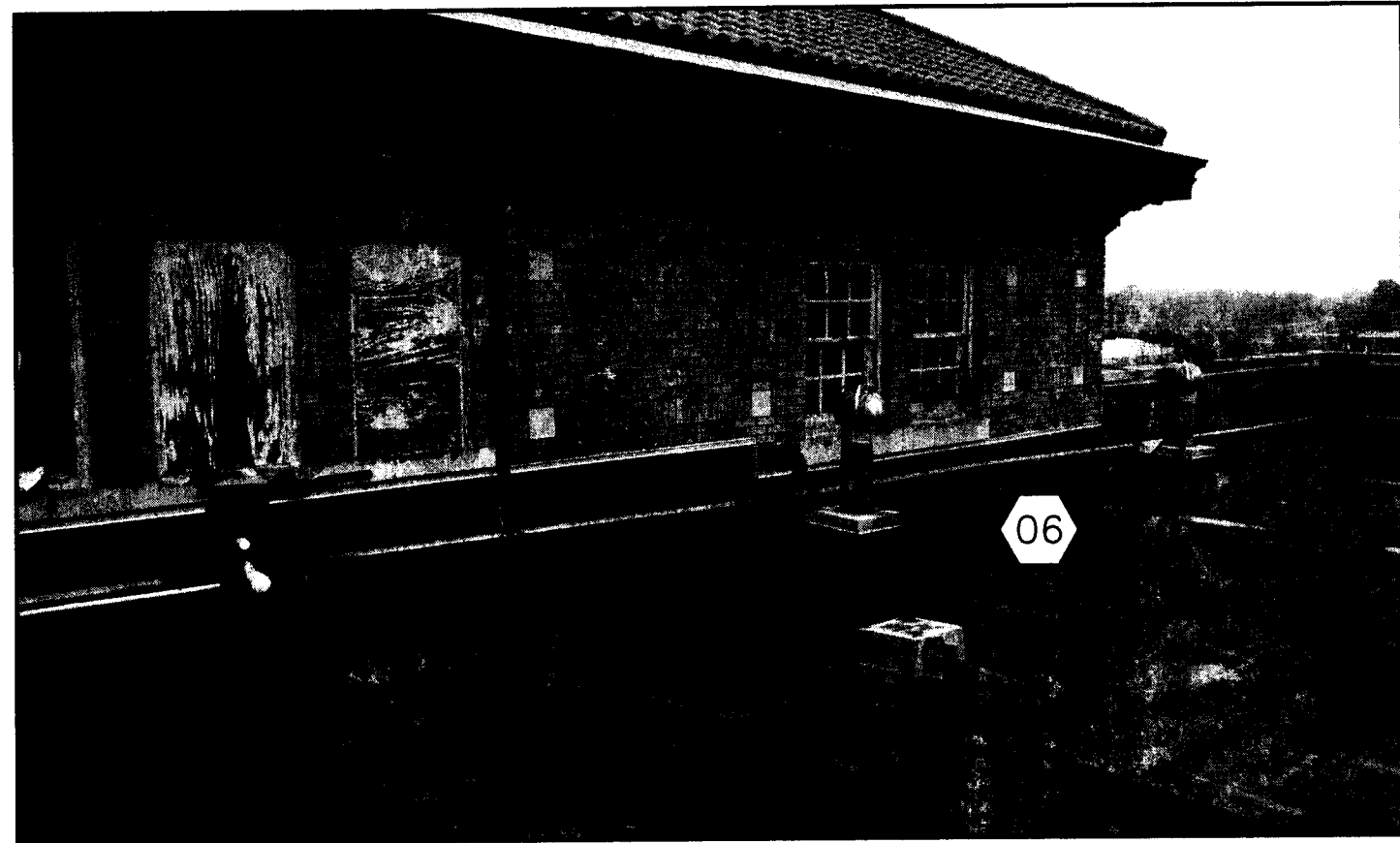


P7 ROOF #2 PHOTO
NTS

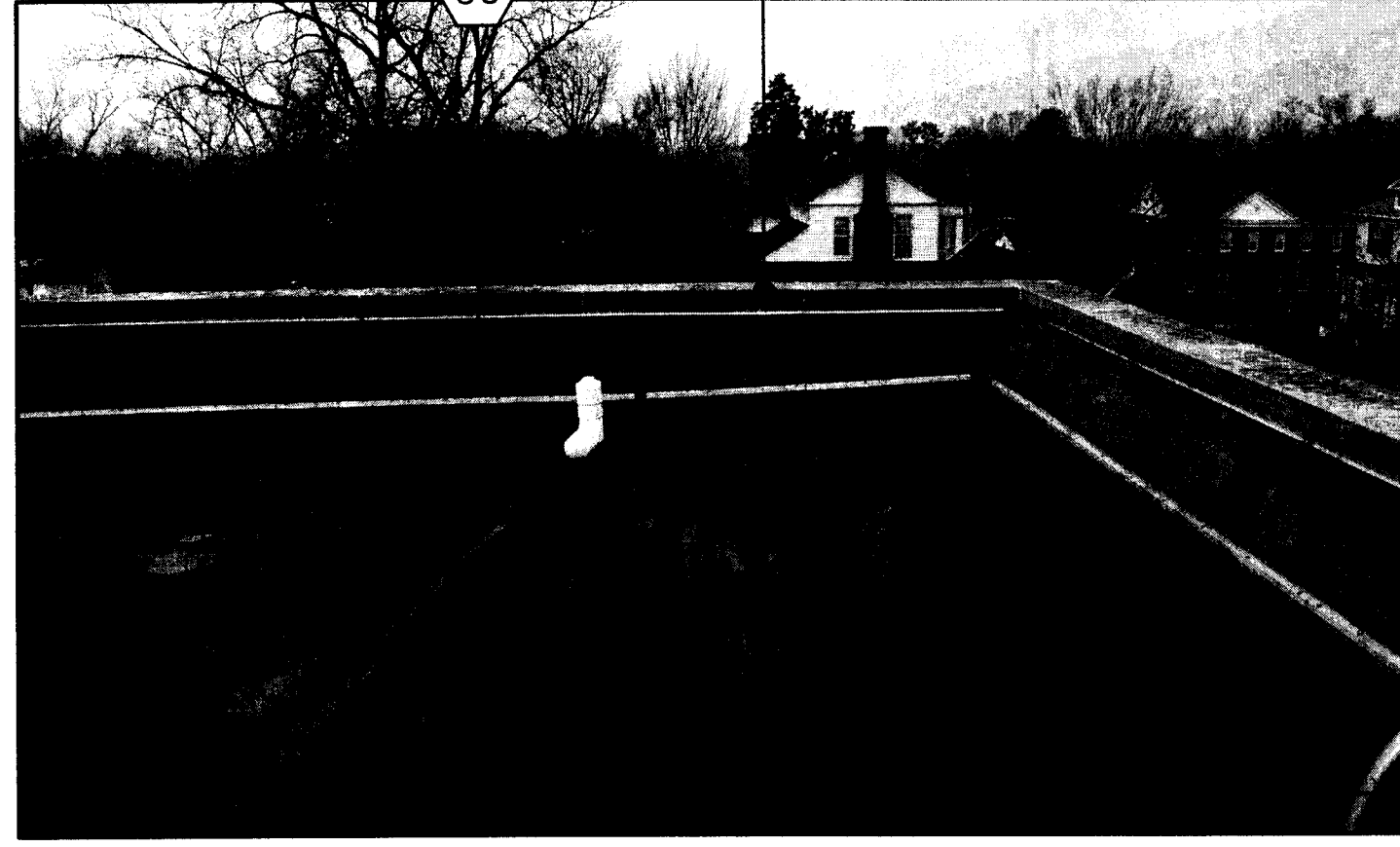


P8 ROOF #2 PHOTO
NTS

REMOVE EXISTING STEEL SUPPORT BEAMS



P9 ROOF #1 PHOTO
NTS



P10 ROOF #2 PHOTO
NTS

NOTE:
REFER TO SHEET 4.30 FOR LOCATION OF PHOTOS

NOTE

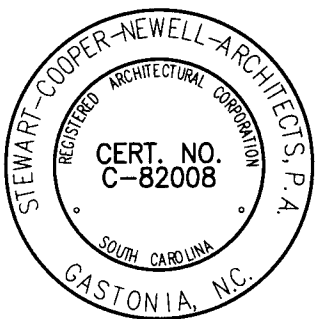
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07.10.2015
Drawn
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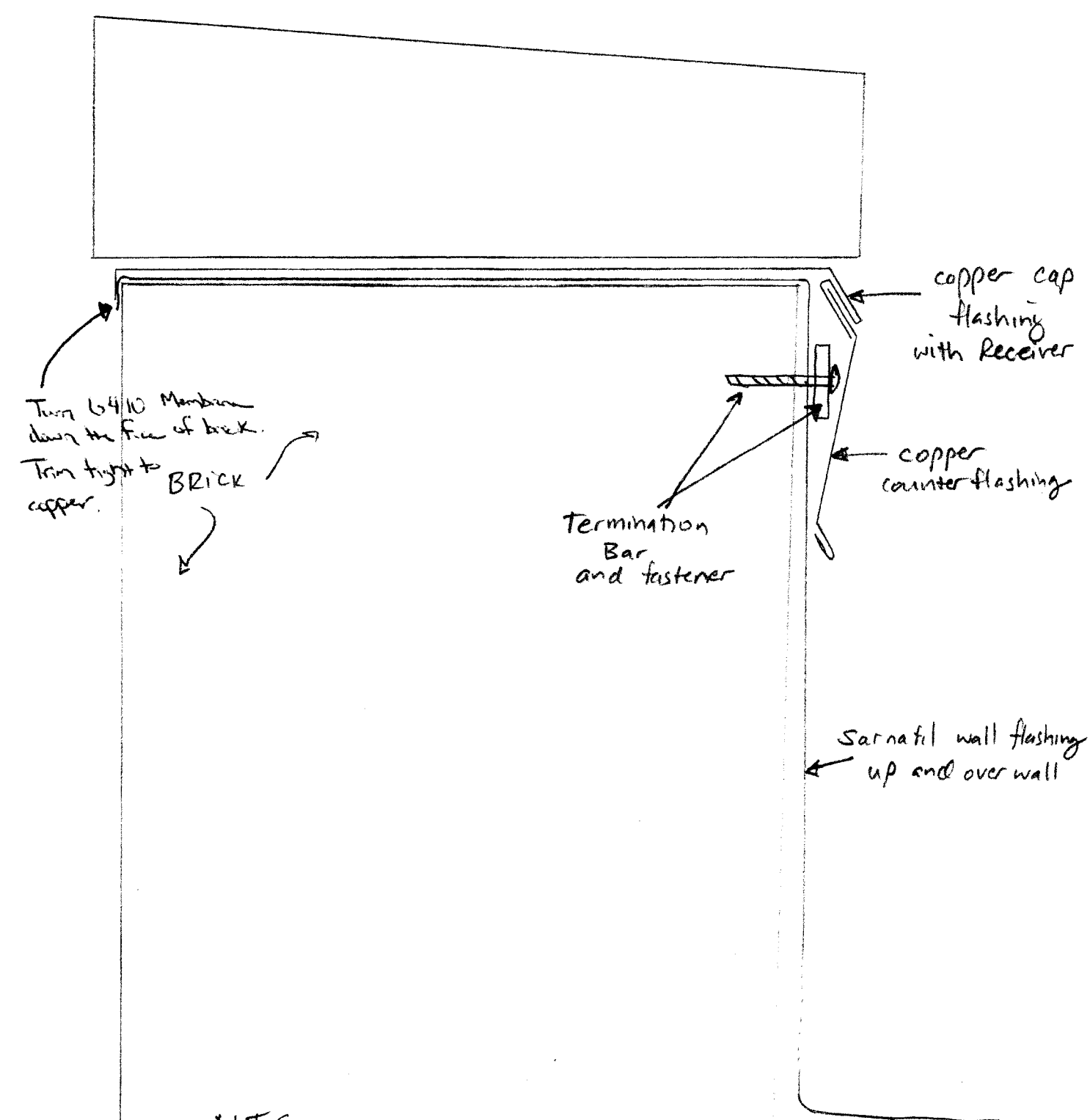


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
ROOF PLAN PHOTOS

sheet **4.32**

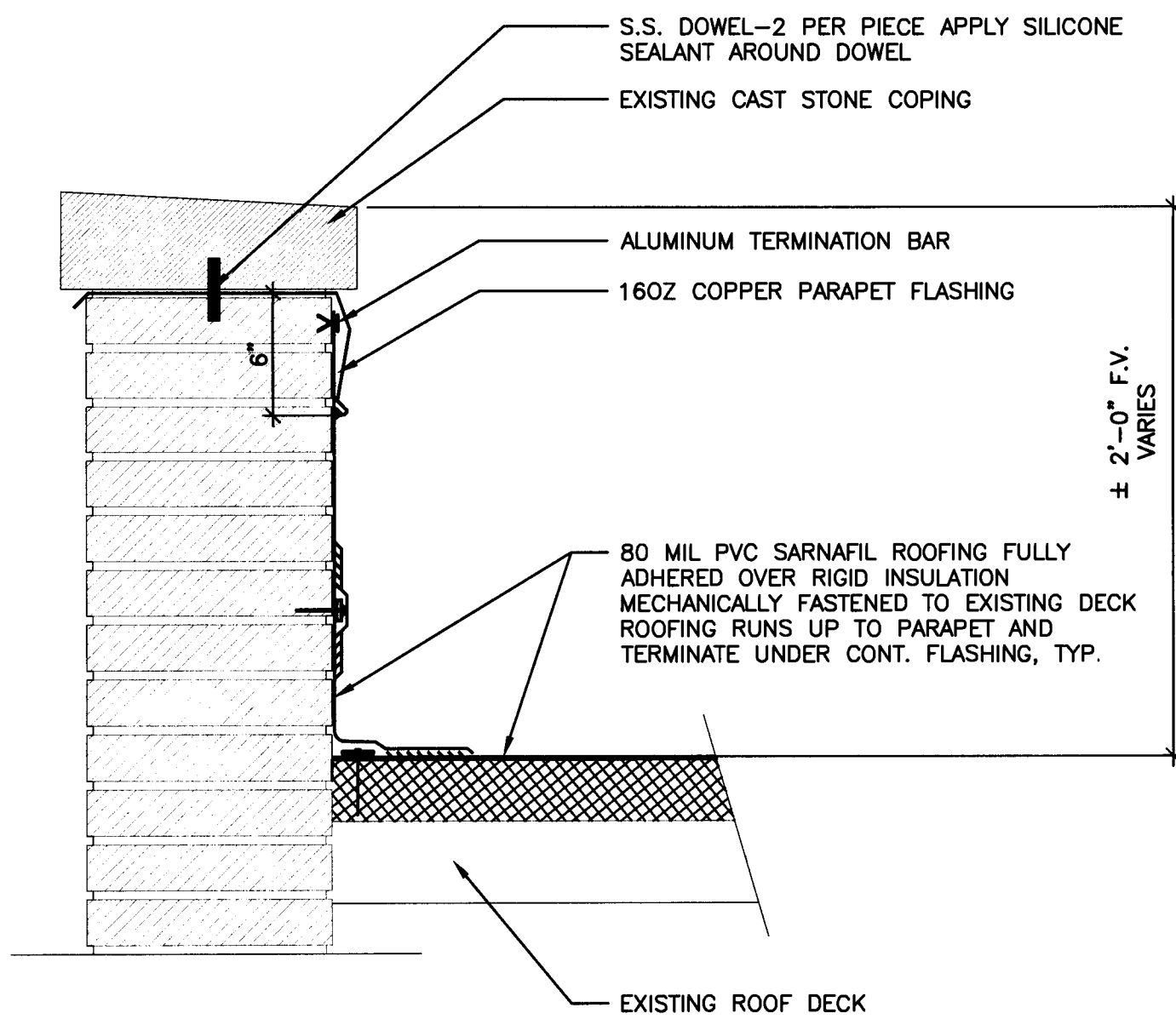
Received from B. Pickens 6/22/16

York County Courthouse - Proposed metal
cap flashing detail

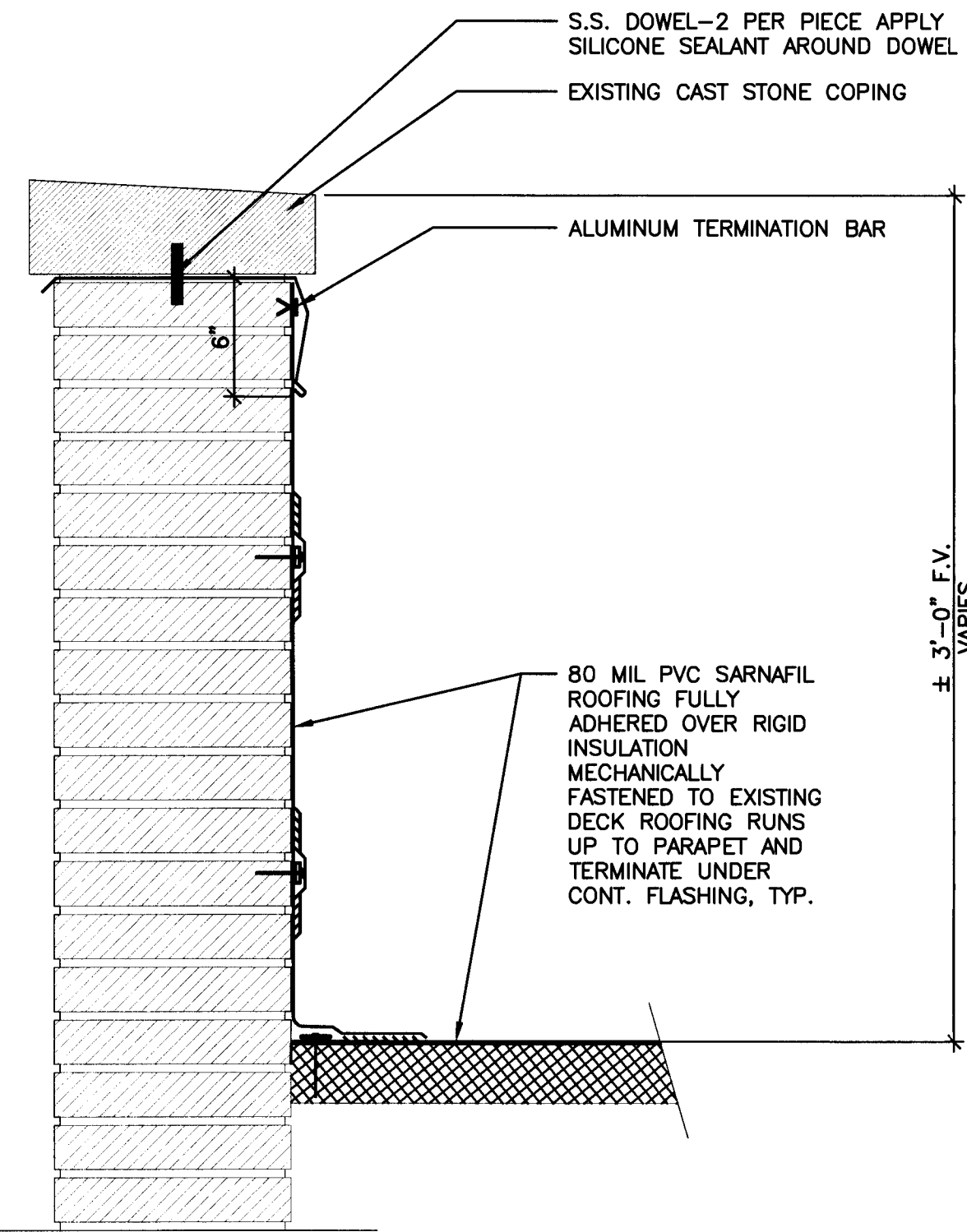


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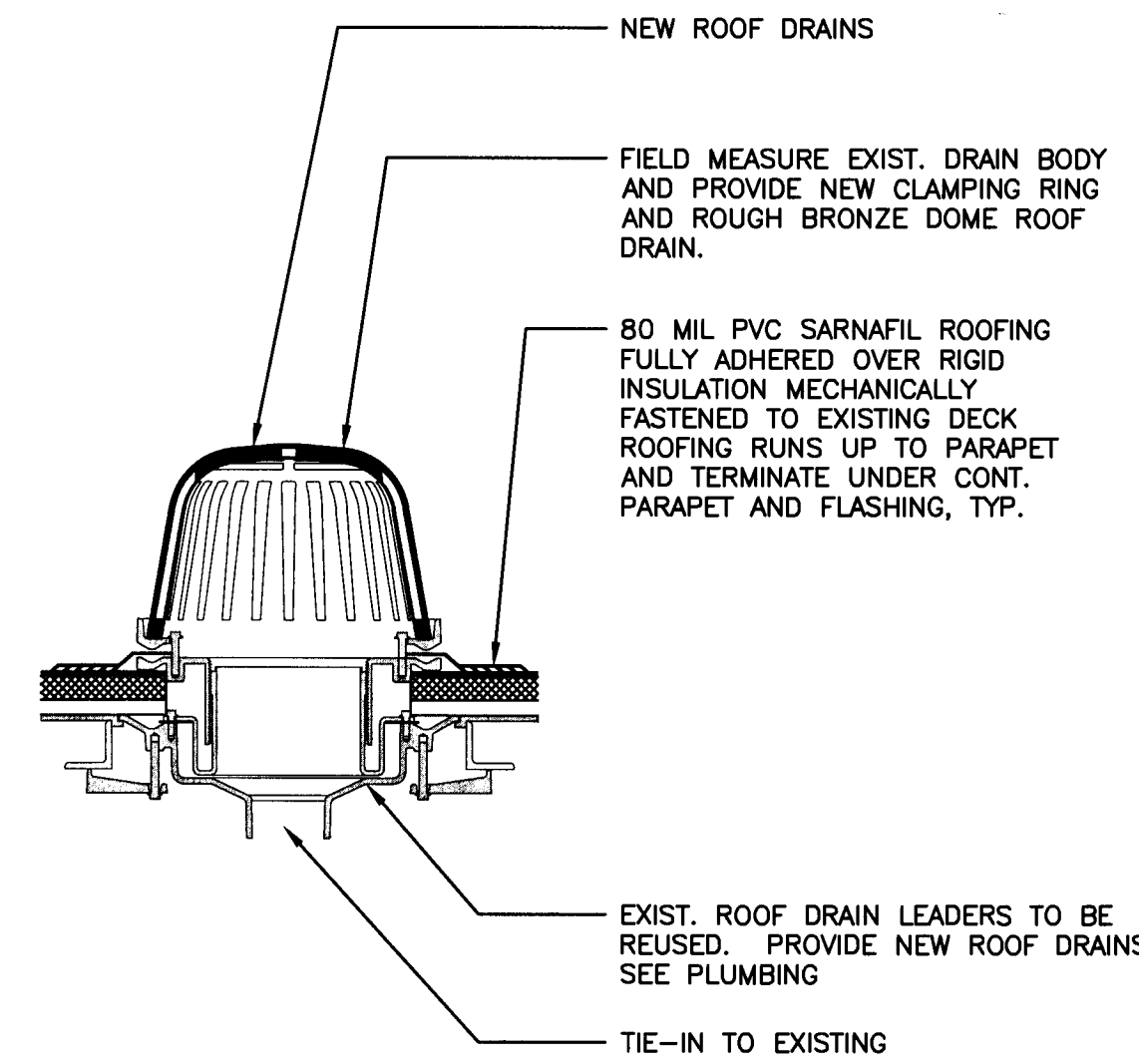
Approved by Jim Stewart @ weekly meet 6/22/16



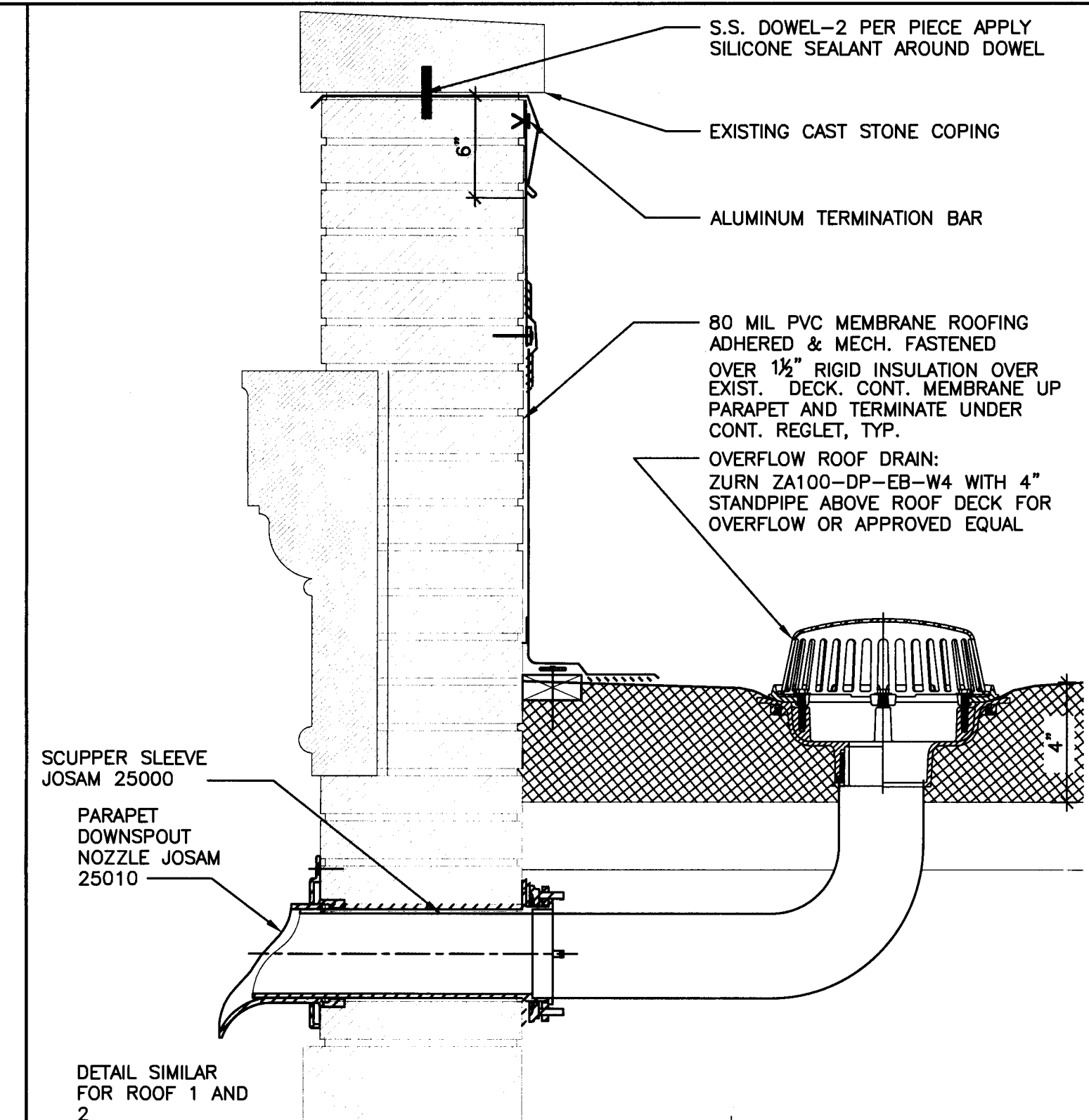
1 RENOVATIONS TO PARAPET ROOF #1
SCALE 1 1/2" = 1'-0" See Revised Approval detail from Pickens Roofing opposite page



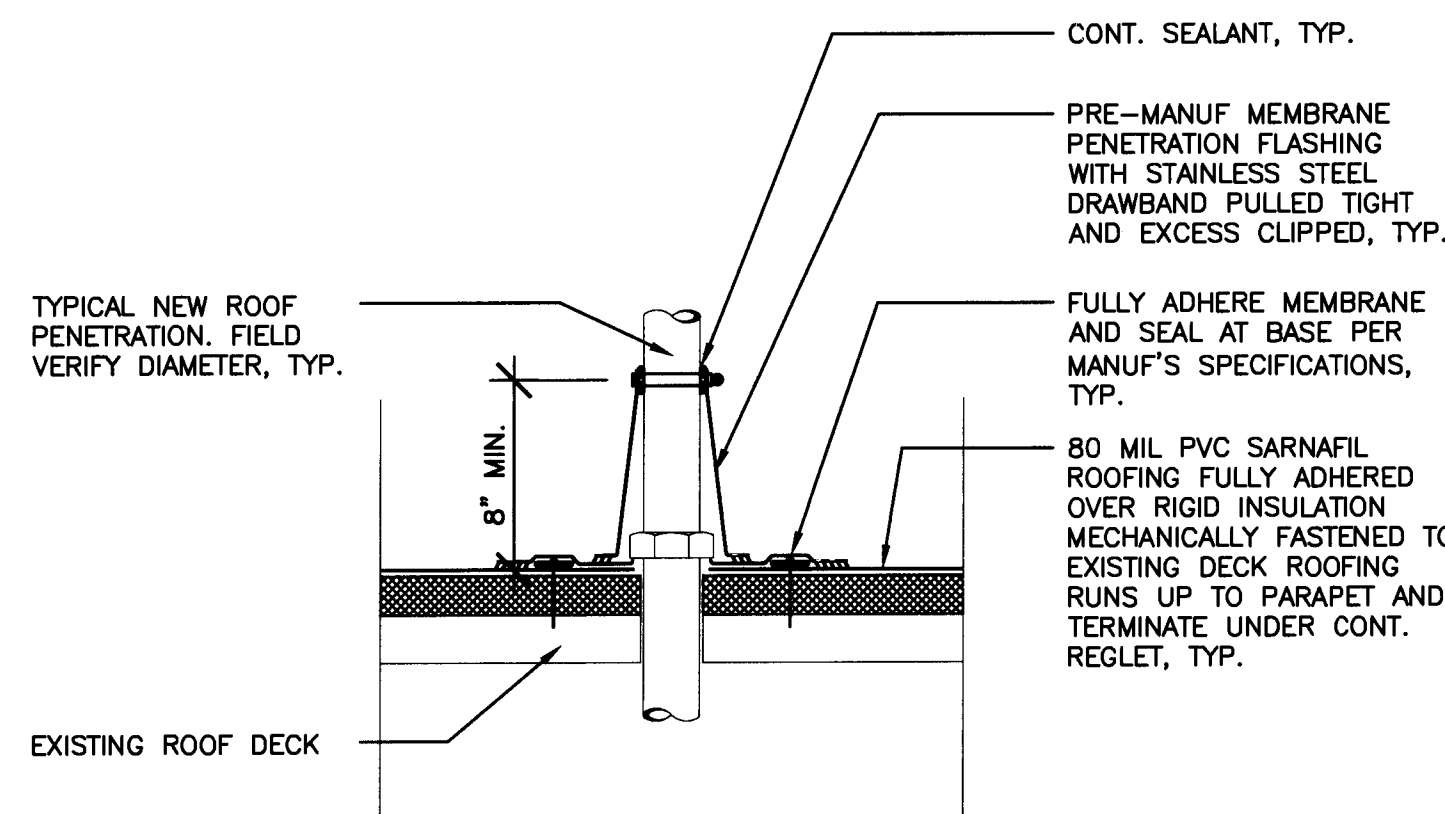
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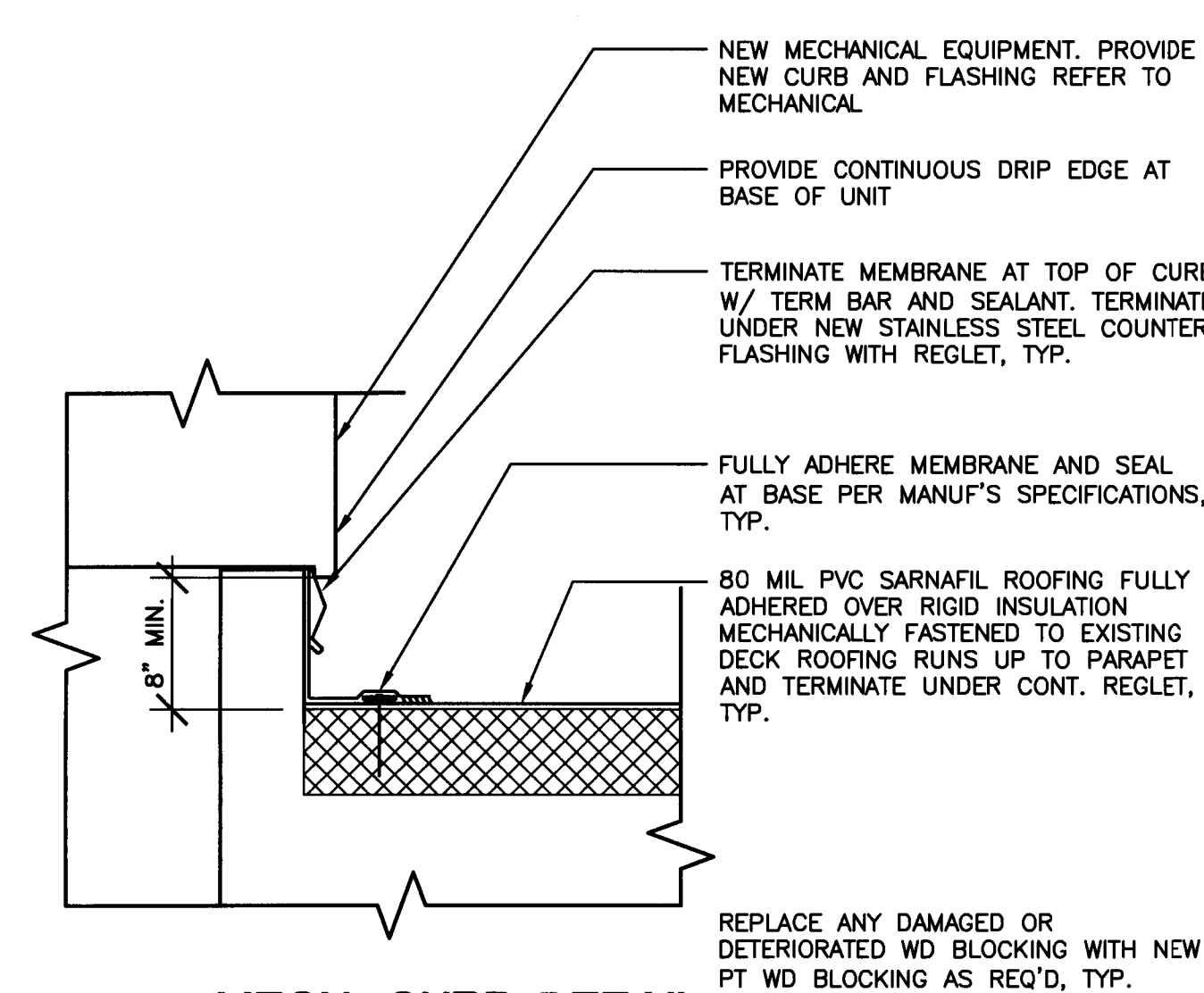
3 RETRO-FIT ROOF DRAIN
SCALE 1 1/2" = 1'-0"



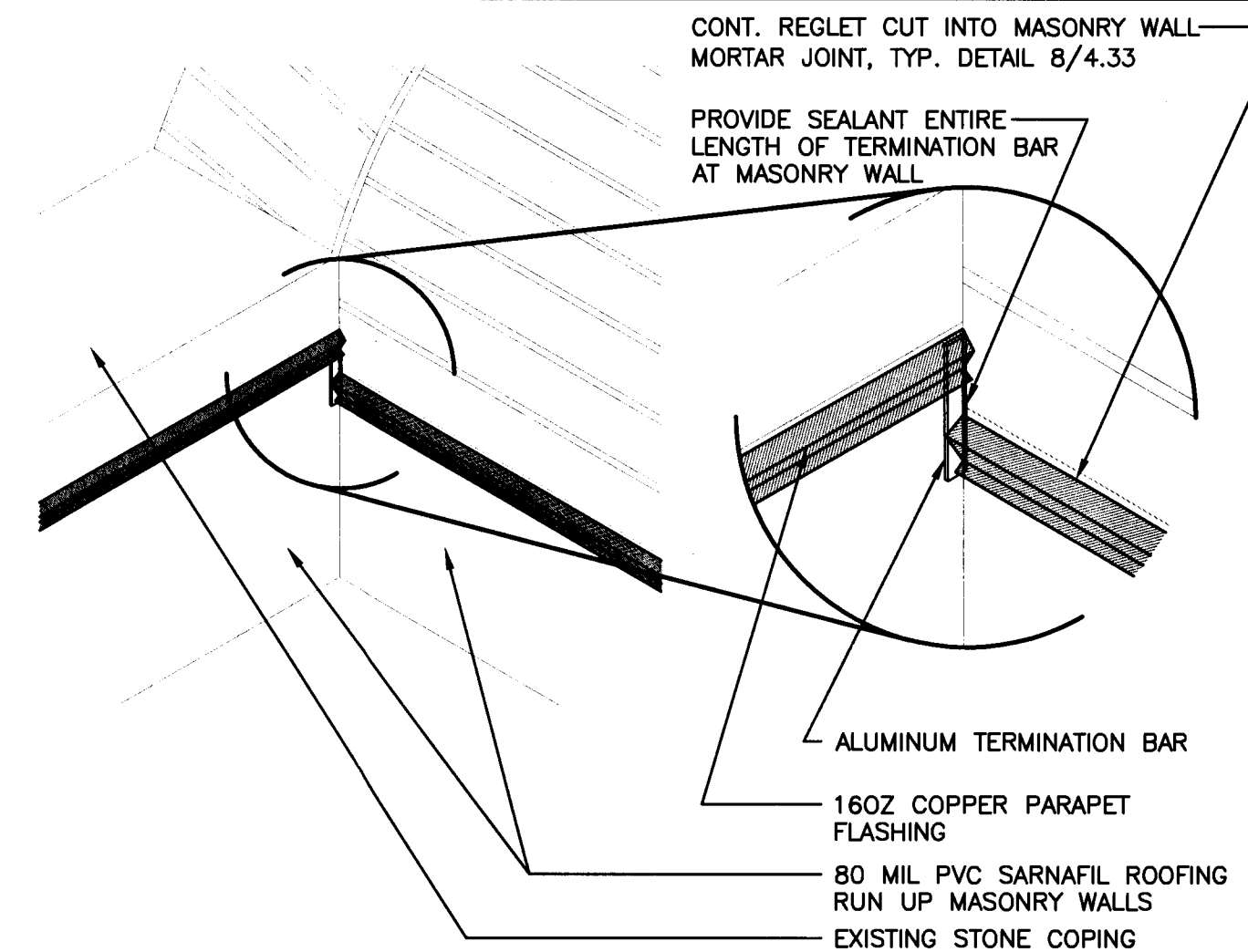
4 OVERFLOW ROOF DRAIN/SCUPPER DETAIL
SCALE 1 1/2" = 1'-0"



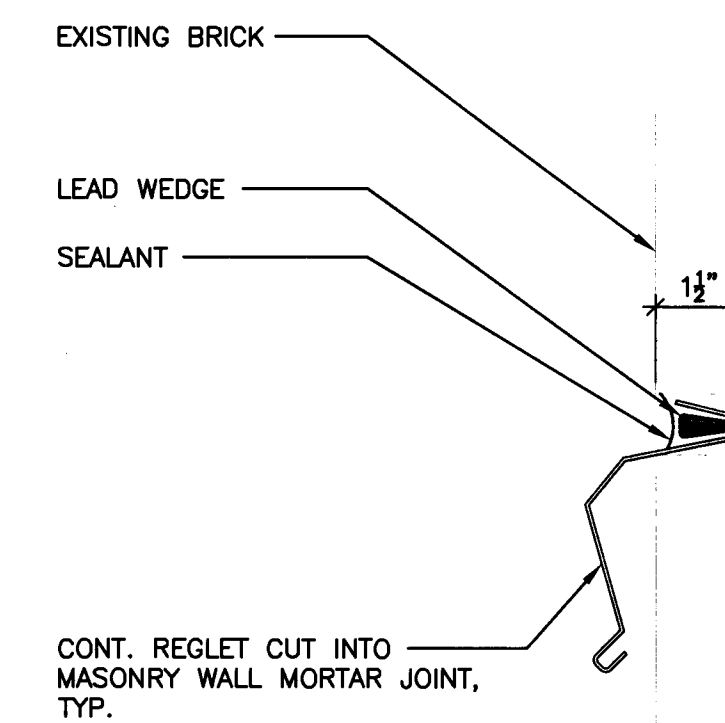
5 ROOF PENETRATION DETAIL
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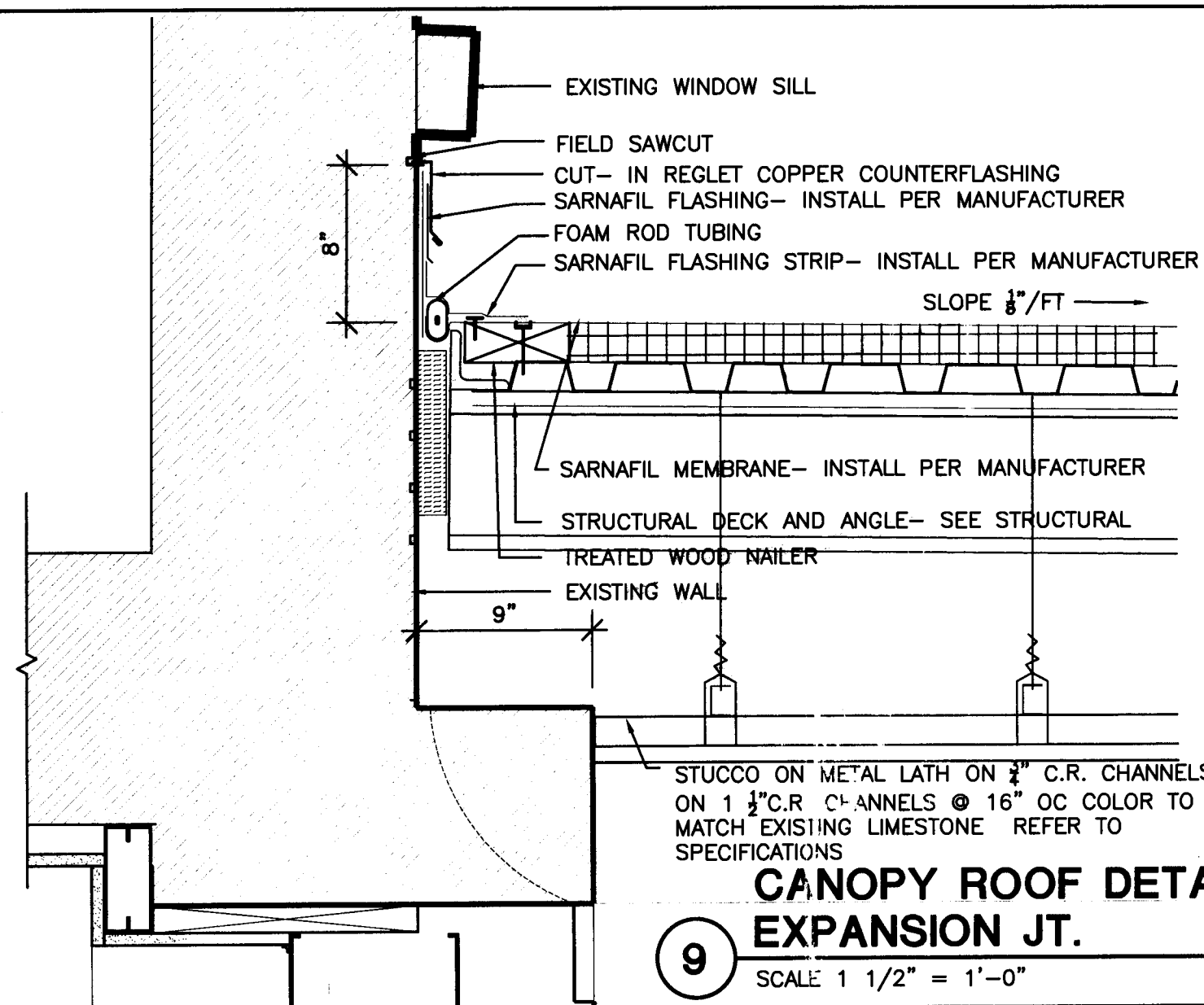
6 MECH. CURB DETAIL
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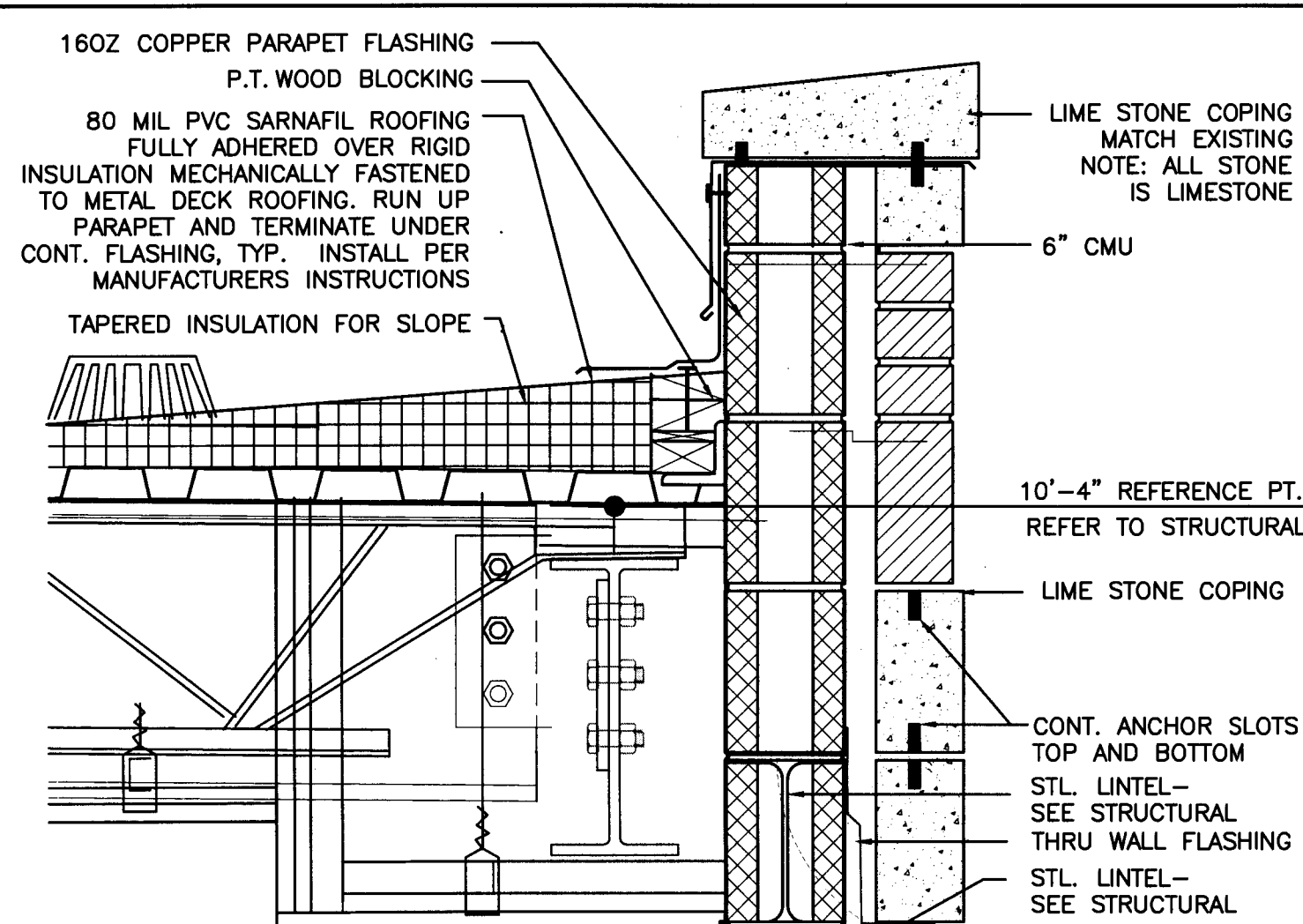
7 INSIDE CORNER DETAIL AT ROOF AREA #1
SCALE 1 1/2" = 1'-0"



8 DETAIL AT CONT. REGLET AT EXISTING MORTAR JOINT
SCALE 1 1/2" = 1'-0"



9 CANOPY ROOF DETAIL EXPANSION JT.
SCALE 1 1/2" = 1'-0"



10 CANOPY ROOF DETAIL
SCALE 1 1/2" = 1'-0"

NOTE:
REFER TO GENERAL, DEMOLITION AND RENOVATION NOTES
ON SHEET 4.30 FOR ADDITIONAL INFORMATION.

Project No.
1390
Date
07.10.2015
Drawn
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JCS
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
ROOF DETAILS

sheet **4.33**

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Murr and Laney Inc.

Project: York County Courthouse

Date: 11/11/15

Ref. Spec. Section/Page: 073213; 076206

Cost Impact: No

Schedule Impact: No

Problem/Conflict:

A synthetic underlayment was installed under the new copper gutters as noted on the attached section (Palisade Data also attached). This type of product is included in the Clay Roof Tile specification in section 2.3 A, 2.3B lists a 40 mil optional product for the same application. A self-adhering 30 mil underlayment product is also specified in the Sheet Metal Flashing specification in part 2.3 as a metal underlayment material. Note 8 on sheet 4.34 calls for an 80 mil Sarnafil installed over top of the plywood bed under the copper gutters. In speaking with Murr and Laney, there is concern that the thicker underlayment (80-60-40) will prevent the gutter from fitting tightly to the framing causing voids at the framed angles required for installation. Is this an acceptable underlayment material for this application or should one of the other specified materials be used in this condition?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 11/11/15

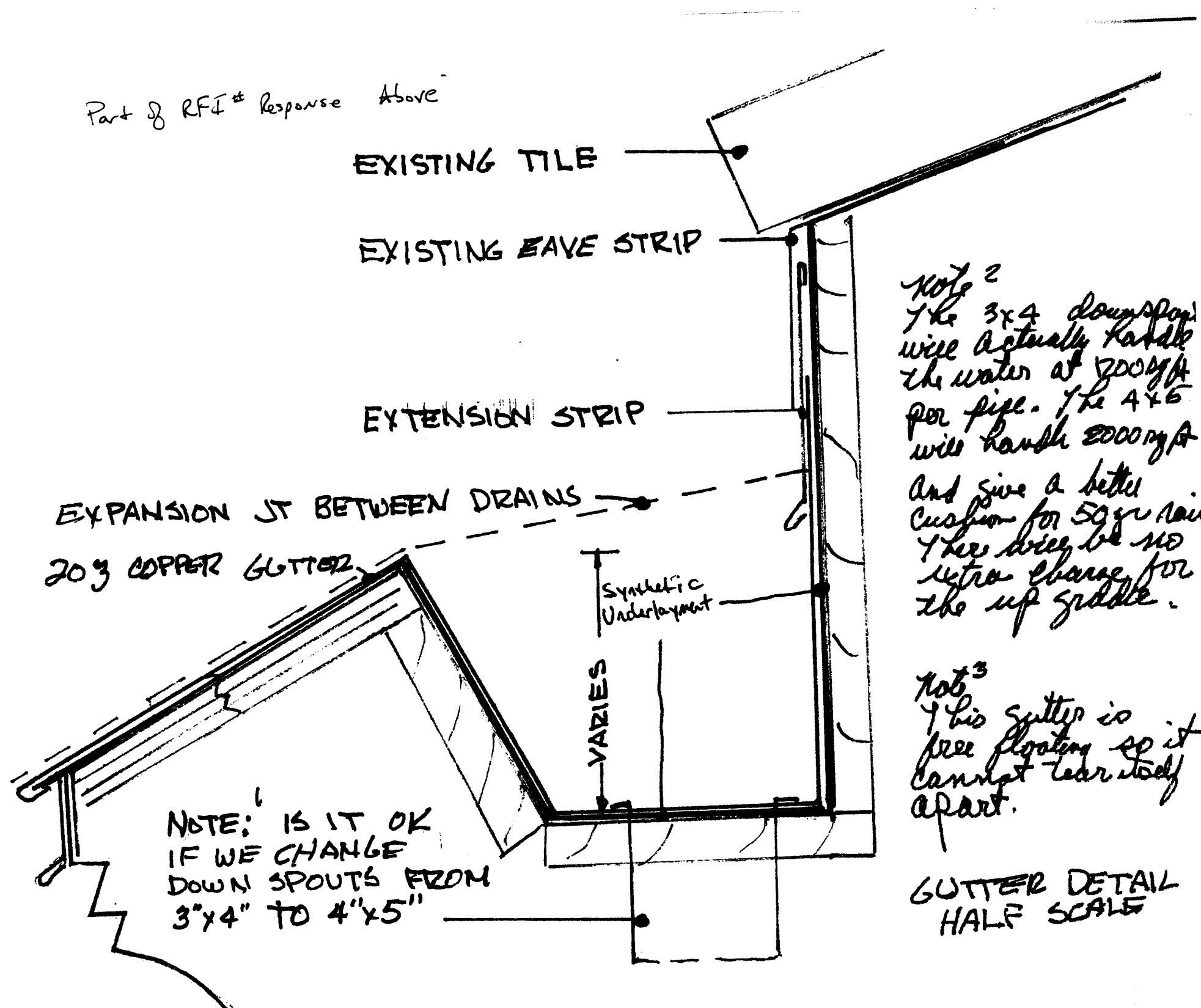
Response:

The Palisade underlayment product that was installed is approved for the repair work completed.

For ongoing construction, the 60 mil Sarnafil is approved to be installed.

The larger size down spout of 4" x 5" is approved.

Recommended By (Name) J. Stewart Company: SCN architects Date: 11.16.15



Murr & Laney, Inc. DEC 03 2015
P. O. Box 1085, Pineville, NC 28134 704-643-7121

December 2, 2015

ATTN: Jim Stewart

RE: York County Court House
Location: Front Gable Water table

Enclosed is a photograph and sketch of the condition of the water table at the front paneled section. NOTE: The proposed copper panels with one-inch high double locked panels at 17-inches on center, which is a traditional standing seam.

The top of the panels will be finished off with a closure and apron extending up under the paneled wall portion.

If this design does not interfere with the historic value and if approved, we will fabricate the panels, treat them to allow the patina process before installation.

We will use the existing material to repair the vertical panels if we can.

Let me know how to proceed.

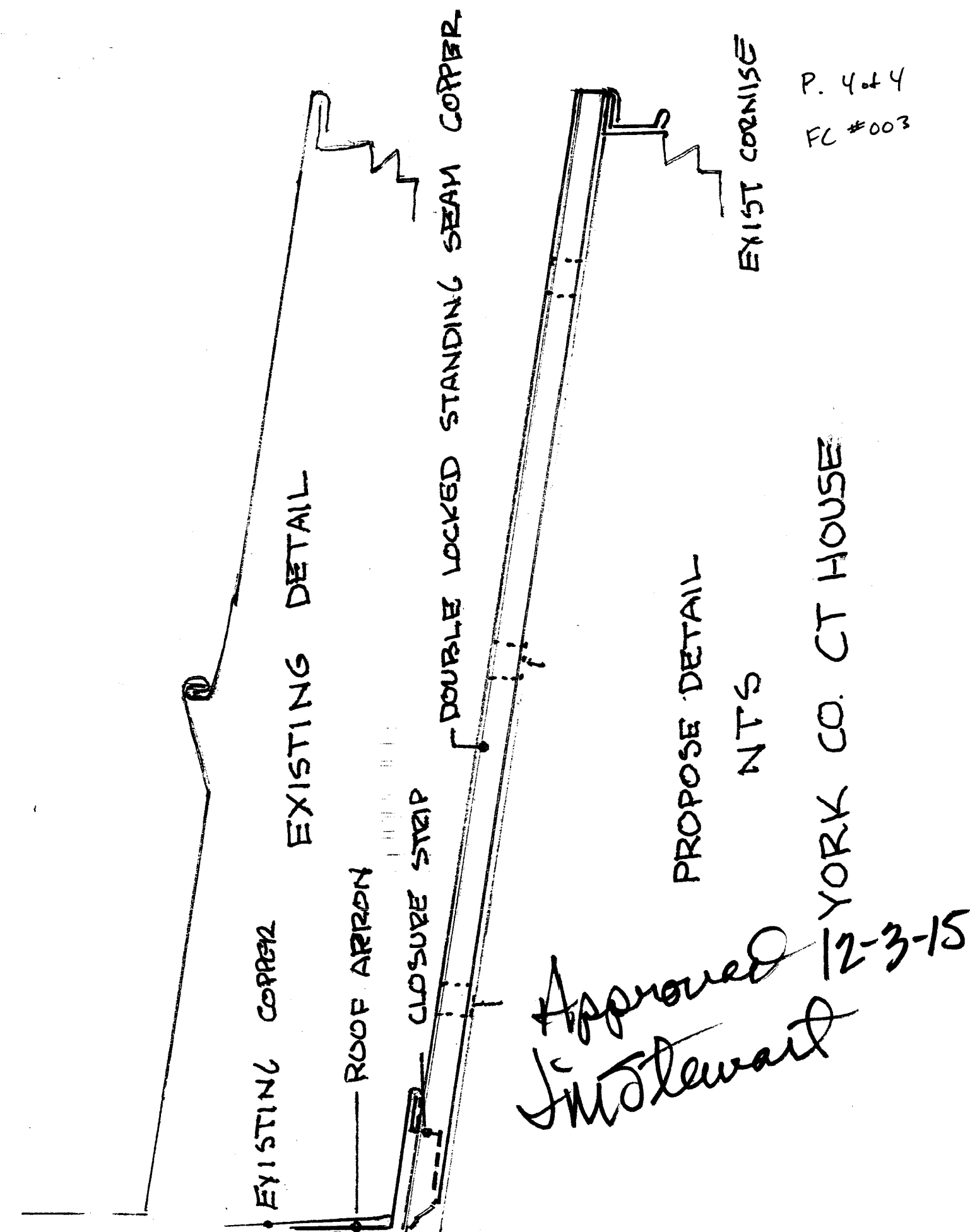
Sincerely,

Bill E. Laney

Bill E. Laney
Chairman

Approved 12-3-15
Jim Stewart

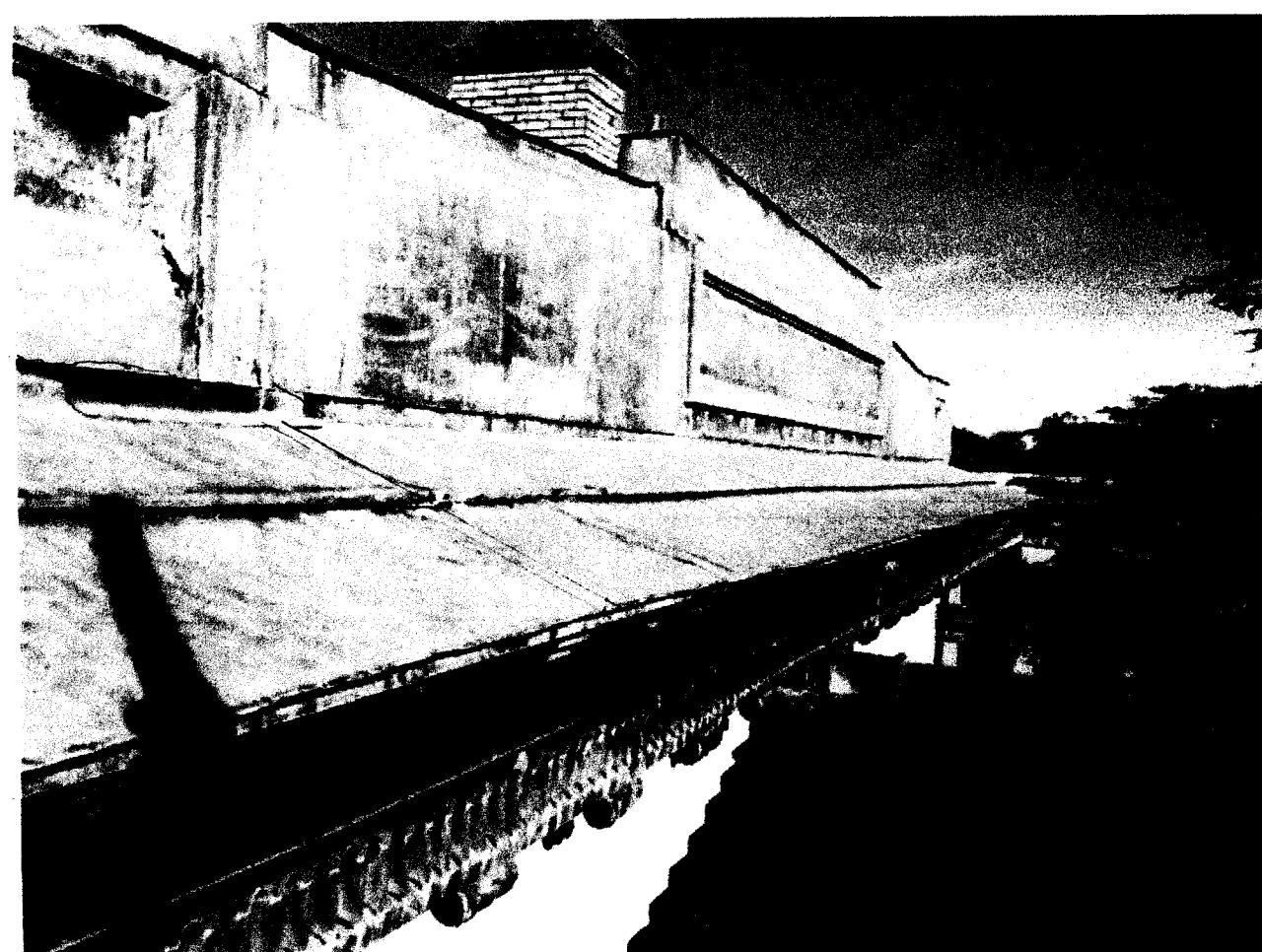
Field Clarification
#003
P. 1 of 4



Approved 12-3-15
Jim Stewart

P. 2 of 4
FC #003

P. 3 of 4
FC #003



Before

Approved 12-3-15
Jim Stewart



PROPOSED

Approved 12-3-15
Jim Stewart



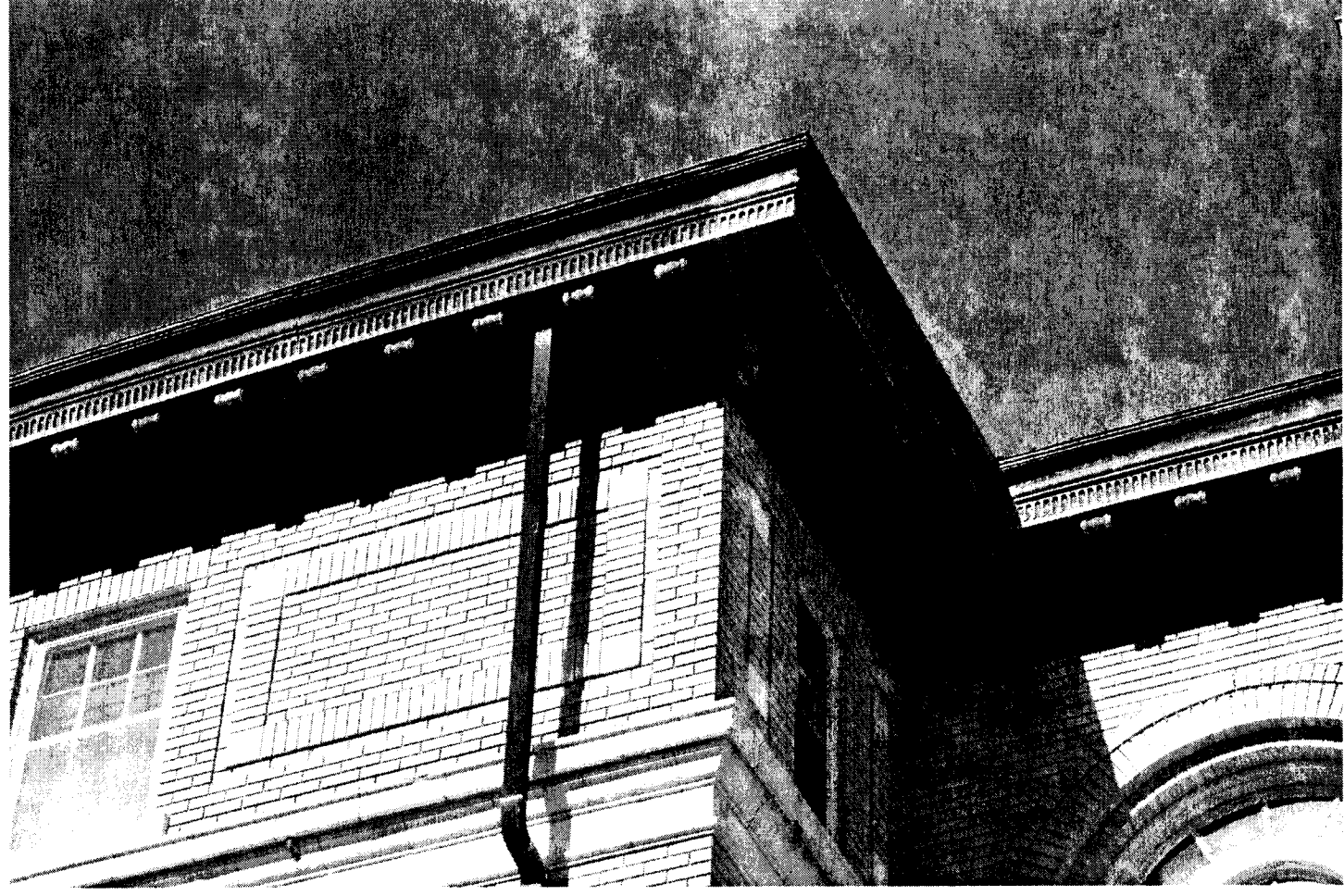
P1 CORNICE PHOTO 0001
NTS



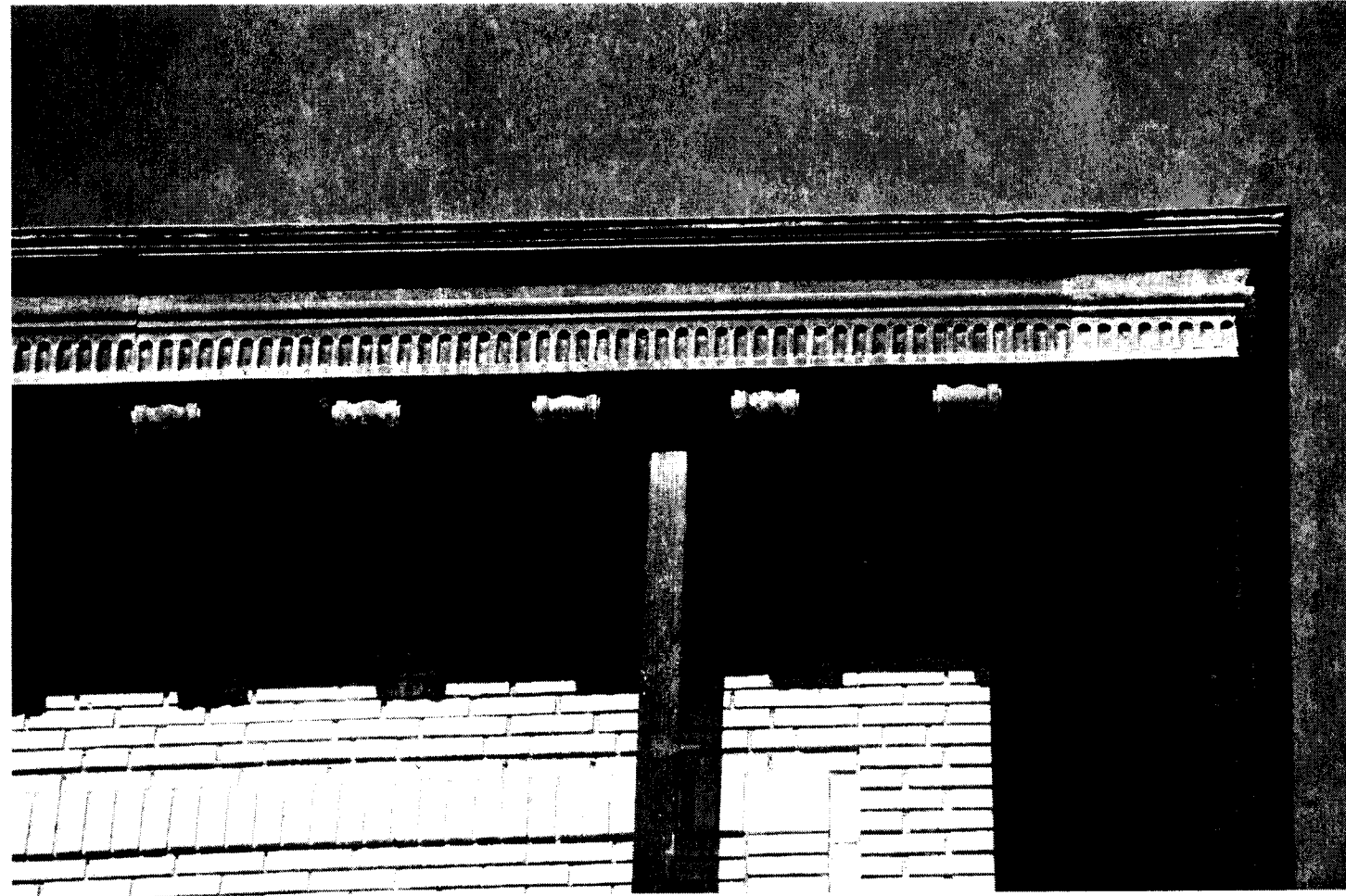
P2 CORNICE PHOTO 0003
NTS



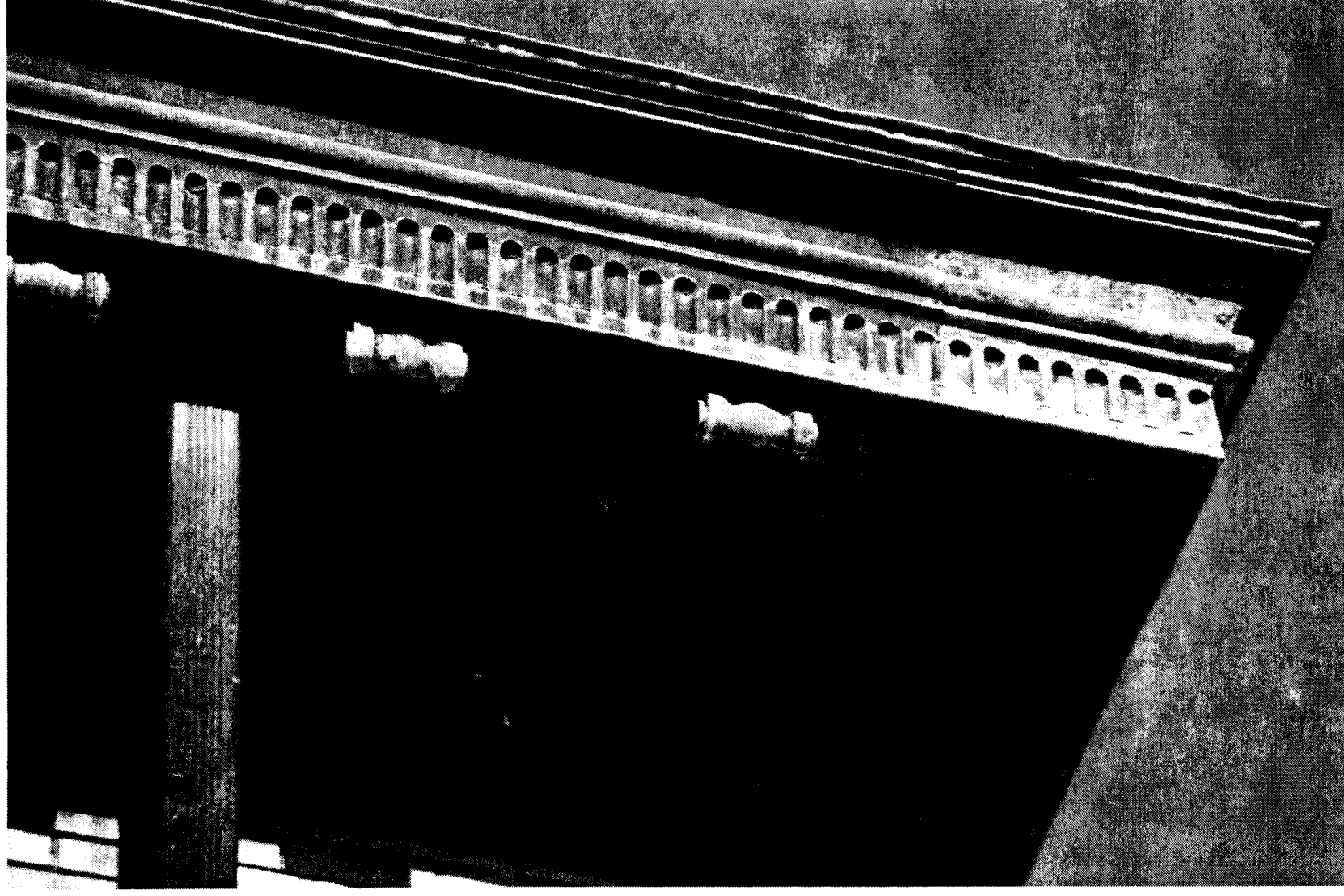
P3 CORNICE PHOTO 0004
NTS



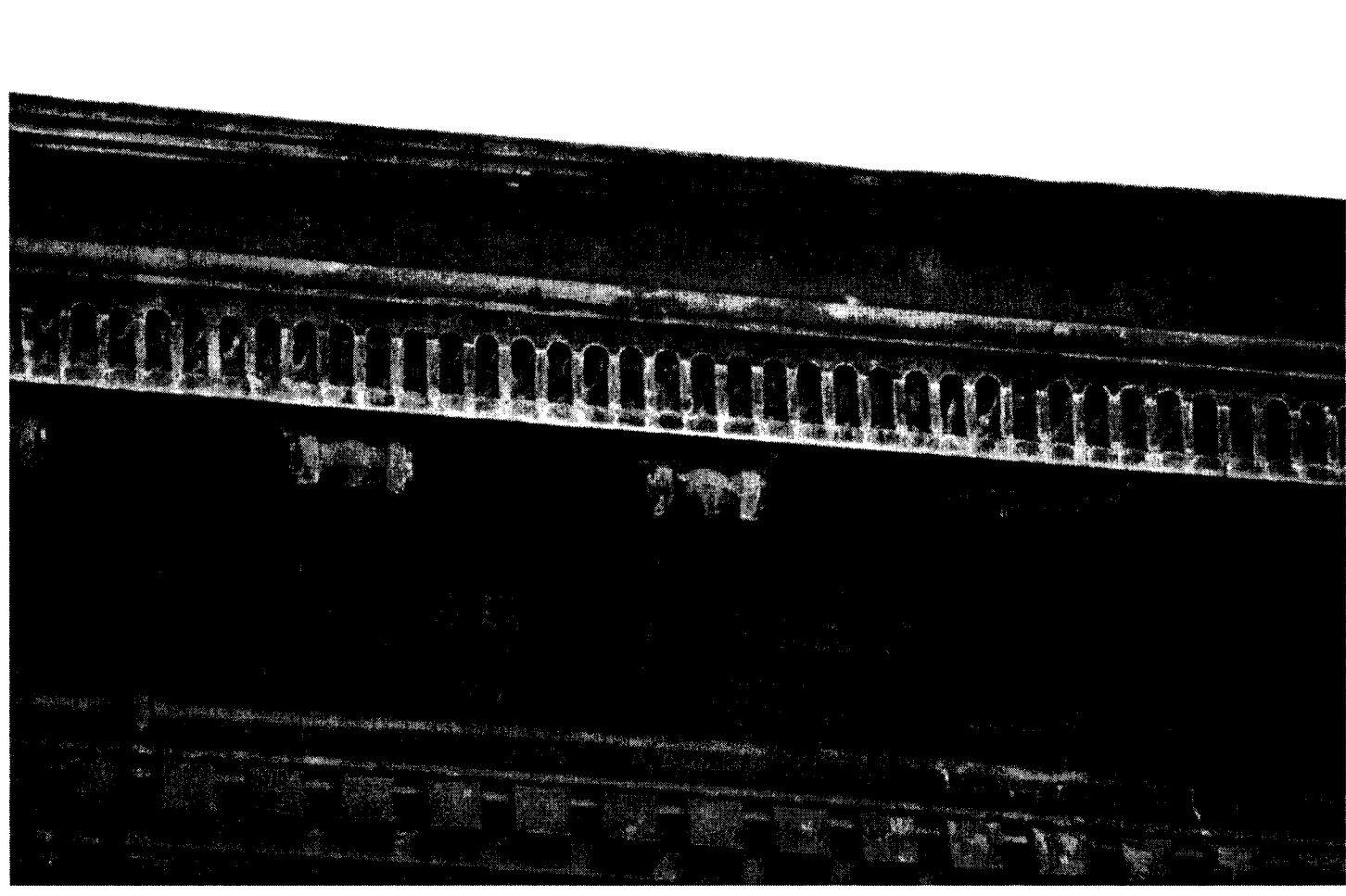
P4 CORNICE PHOTO 0005
NTS



P5 CORNICE PHOTO 0008
NTS



P6 CORNICE PHOTO 0013
NTS



P7 CORNICE PHOTO 0031
NTS



P8 CORNICE PHOTO 0033(2)
NTS



P9 CORNICE PHOTO 0043
NTS



P10 CORNICE PHOTO 0040(2)
NTS



P11 CORNICE PHOTO 0041(2)
NTS

IMPORTANT NOTES:

1. DO NOT REMOVE PATINA ON COPPER. ANY PIECES THAT ARE REPLACED OR CLEANED SHALL BE TREATED TO MATCH EXISTING COPPER.

2. ALL PHOTOS SHOWN ON THIS SHEET ARE FOR INFORMATIONAL PURPOSES.

Per phone conversation w/ Jim Stewart
he said All copper gets treated to match
existing Patina 2/19/16

CORNICE NOTES

PERIMETER CORNICE AND CLAY TILE RESTORATION AND CONSTRUCTION NOTES (THIS WORK SHALL BY PERFORMED BY THE SAME SUB CONTRACTOR):

1. SET UP SCAFFOLDING NEEDED FOR ACCESS AND SAFETY. SET UP OTHER SAFETY EQUIPMENT AS REQUIRED OR NEEDED.
2. REMOVE BOTTOM COURSE OF ROOF TILE AND SAVE FOR REUSE.
3. REMOVE EXISTING COPPER CORNICE, TRANSPORT TO OFF SITE SHOP FOR REFURBISHING, CLEANING AND STORAGE.
4. REMOVE AND DISCARD BUILT-IN GUTTER AS IT CANNOT BE REPAIRED.
5. CHECK THE CONDITION AND TIGHTNESS OF ALL THE FRAMING WORK. BECAUSE OF THE HOLES IN THE GUTTER THERE IS A HIGH PROBABILITY THAT THERE IS WOODWORK DAMAGE BUT THE EXTENT IS UNKNOWN. IF THE OUTRIGGERS ARE SET INTO THE MASONRY THEY MAYBE LOOSE OR DETERIORATED. ANY DAMAGE OR LOOSE WOOD MUST BE REPLACED OR PROPERLY REPAIRED. ALL LUMBER AND PLYWOOD MUST BE PRESSURE TREATED. ONCE ALL CORNICE AND COPPER IS REMOVED NOTIFY ARCHITECT TO SURVEY EXISTING EXPOSED WOOD AND RECOMMEND REQUIRED REPAIRS. WOOD REPAIRS IN THIS WORK ARE PART OF THE GENERAL ALLOWANCE.
6. BUILD SLOPE INTO THE NEW GUTTERS WITH THE WOODWORK.
7. USE 3/4" CONTINUOUS PRESSURE TREATED PLYWOOD TO PROVIDE A CONTINUOUS SUPPORT BED FOR THE GUTTER.

8. LINE PLYWOOD BED WITH 80 MIL. SARNAFIL PRIOR TO INSTALLING THE COPPER GUTTER.
9. FABRICATE AND INSTALL NEW 20 OZ. COPPER GUTTER.
10. FABRICATE AND INSTALL 16 OZ. COPPER EAVE STRIP AND REINSTALL SALVAGED TILE.
11. INSTALL OUTLETS IN THE GUTTER LONG ENOUGH TO EXTEND THROUGH THE CORNICE SO NO JOINTS WILL BE MADE INSIDE THE CORNICE.
12. REINSTALL REPAIRED COPPER CORNICE. IF NEEDED FABRICATE ANY NEW SECTIONS, SO THEY WILL BE KEPT AS INCONSPICUOUS AS POSSIBLE.
13. INSTALL NEW 3"x4" COPPER DOWNSPOUTS. NOTE: IF THE EXISTING COPPER DOWNSPOUTS ARE USEABLE, THEY WILL BE INSTALLED TOGETHER AT FLAT ROOF AREAS.
14. FABRICATE SPECIAL DOWNSPOUT STRAPS HARD ANCHORED TO THE WALL TO HELP DISCOURAGE THEFT.
15. FABRICATE DOWNSPOUTS TO MOUNT TIGHT TO THE WALL AND ANGLE TIGHTLY OVER STONE WORK AND OTHER WALL PROJECTIONS.
16. DOWNSPOUTS WILL EMPTY INTO CAST IRON BOOTS ATTACHED TO THE BUILDING.
17. INSPECT ENTIRE CLAY TILE ROOF AND REPAIR OR REPLACE ANY BROKEN TILE WITH THE TILE THAT IS PRESENTLY STORED IN THE BUILDING ATTIC. REATTACH AND SECURE ANY LOOSE CLAY TILE.

IMPORTANT NOTE: SEAL UP ANY GAPS OR CRACKS IN CORNICE SO BIRDS AND BATS CANNOT GET IN THE ATTIC.

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER QUANTITY OF WORK OR MATERIAL, CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.
1390

Date
07.10.2015
Drawn
GLM/KFP
Checked
JCS
Revisions

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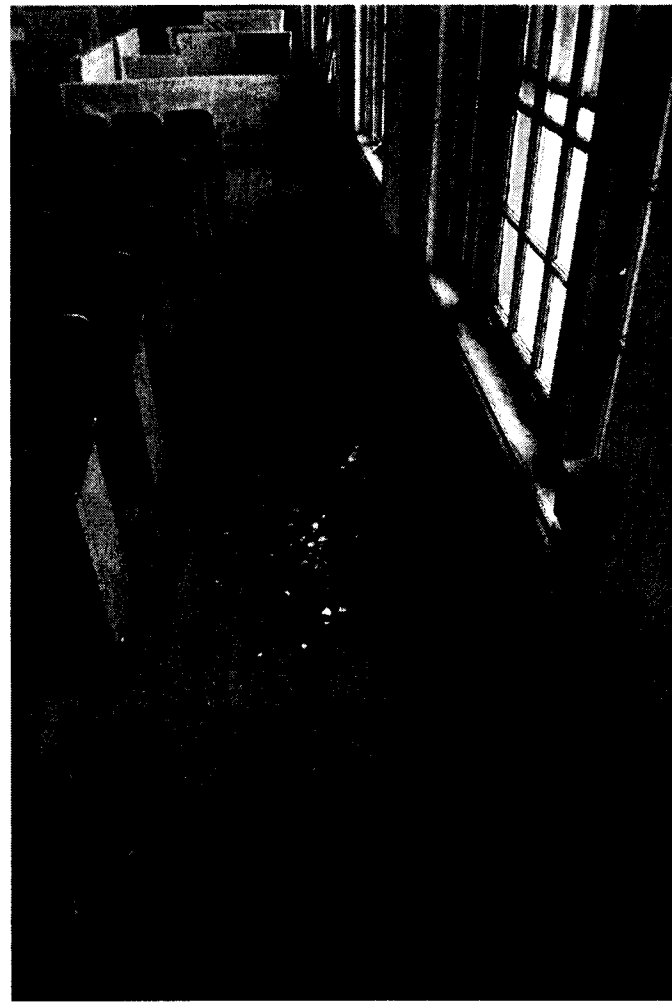


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
CORNICE RENOVATIONS

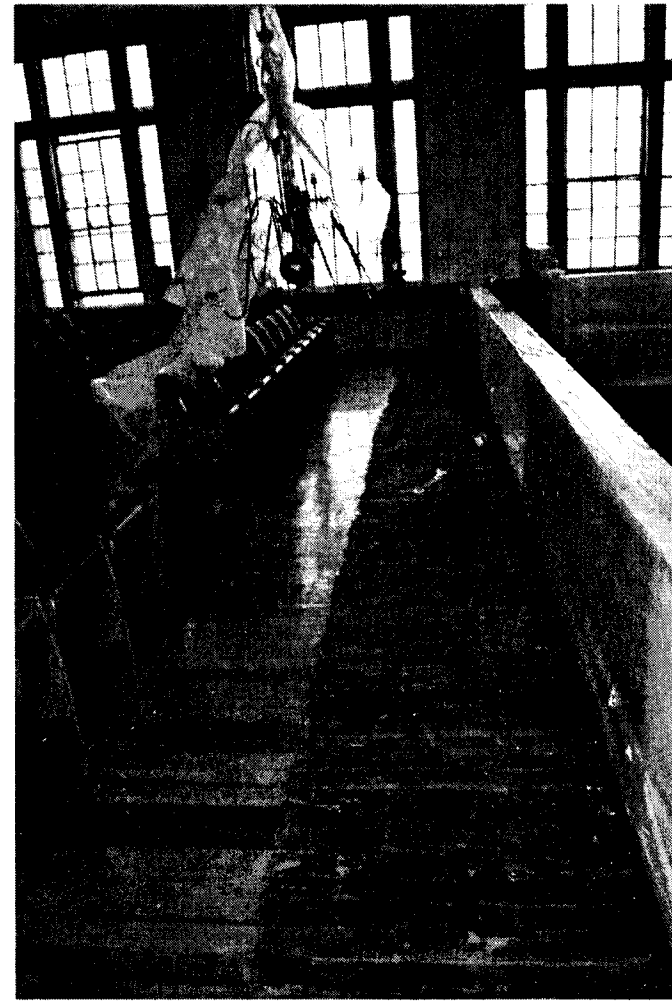
sheet 4.34



(P1) WOOD FLOORING PHOTO 0039
NTS



(P2) WOOD FLOORING PHOTO 0038
NTS



(P3) WOOD FLOORING PHOTO 0040
NTS

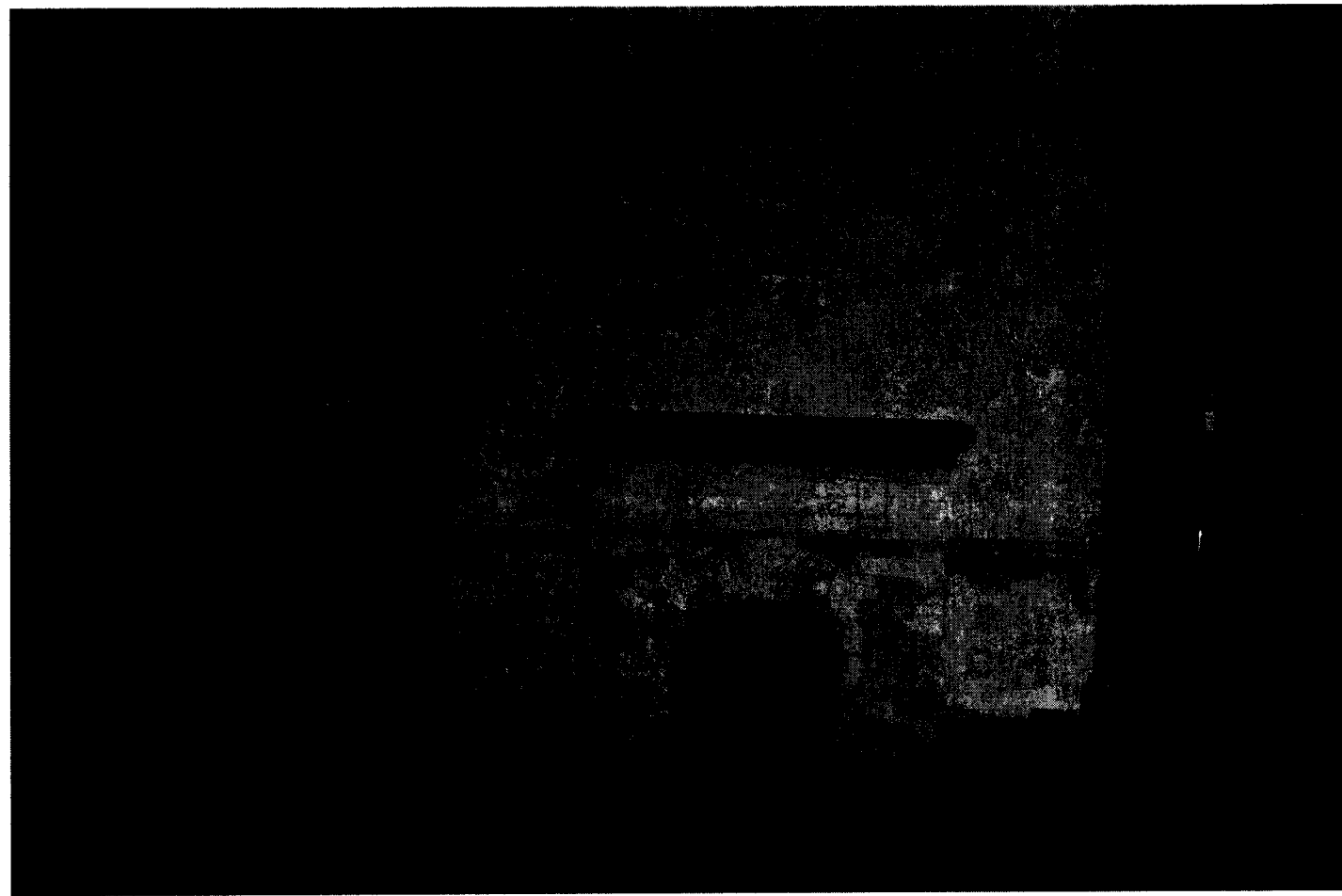


(P4) WOOD FLOORING PHOTO 0029
NTS

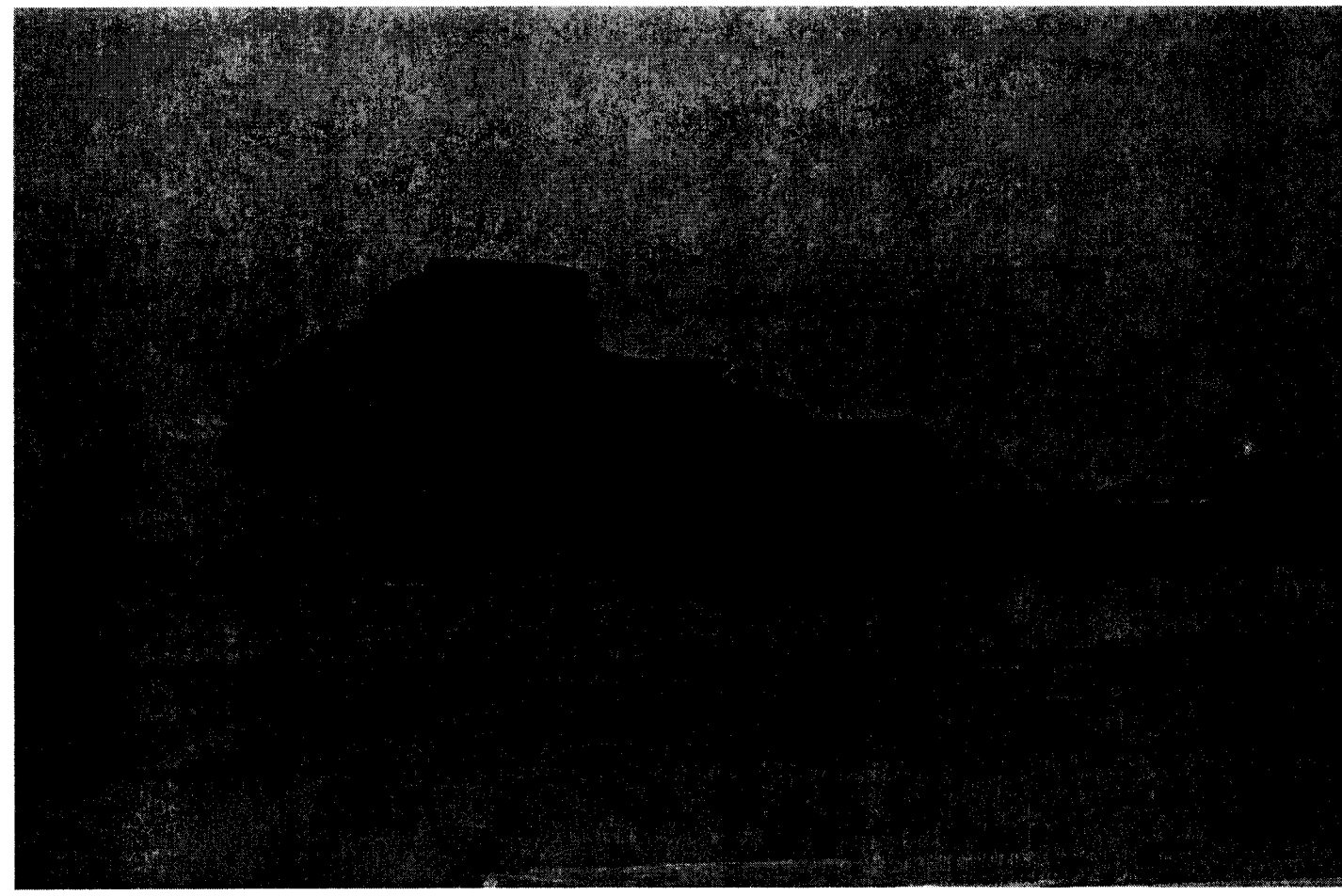
- 1** THE EXISTING MAIN COURTROOM IS THE ONLY AREA WHERE THE EXISTING WOOD FLOORS WILL BE REFINISHED. SEE P-1, P-2 & P-3.
- REMOVE AND REPLACE ALL COURTROOM FLOORING THAT HAS CRACKS, SPLITS, GAUGES, SQUARE PATCHED AREAS AND INSTALL NEW FLOORING OF SAE SPECIES AND PHYSICAL DIMENSION.
- RENAIL FLOORING TO MAKE SECURE AND TIGHT.
- SAND COURTROOM FLOOR TO REMOVE ALL RIDGES AND UNEVEN AREAS DOWN TO ORIGINAL WOOD COLOR AND PREPARE FOR REFINISHING. SEE SPECIFICATIONS FOR REFINISHING.

IMPORTANT NOTES:
ALL PHOTOS SHOWN ON THIS SHEET
ARE FOR INFORMATIONAL PURPOSES.

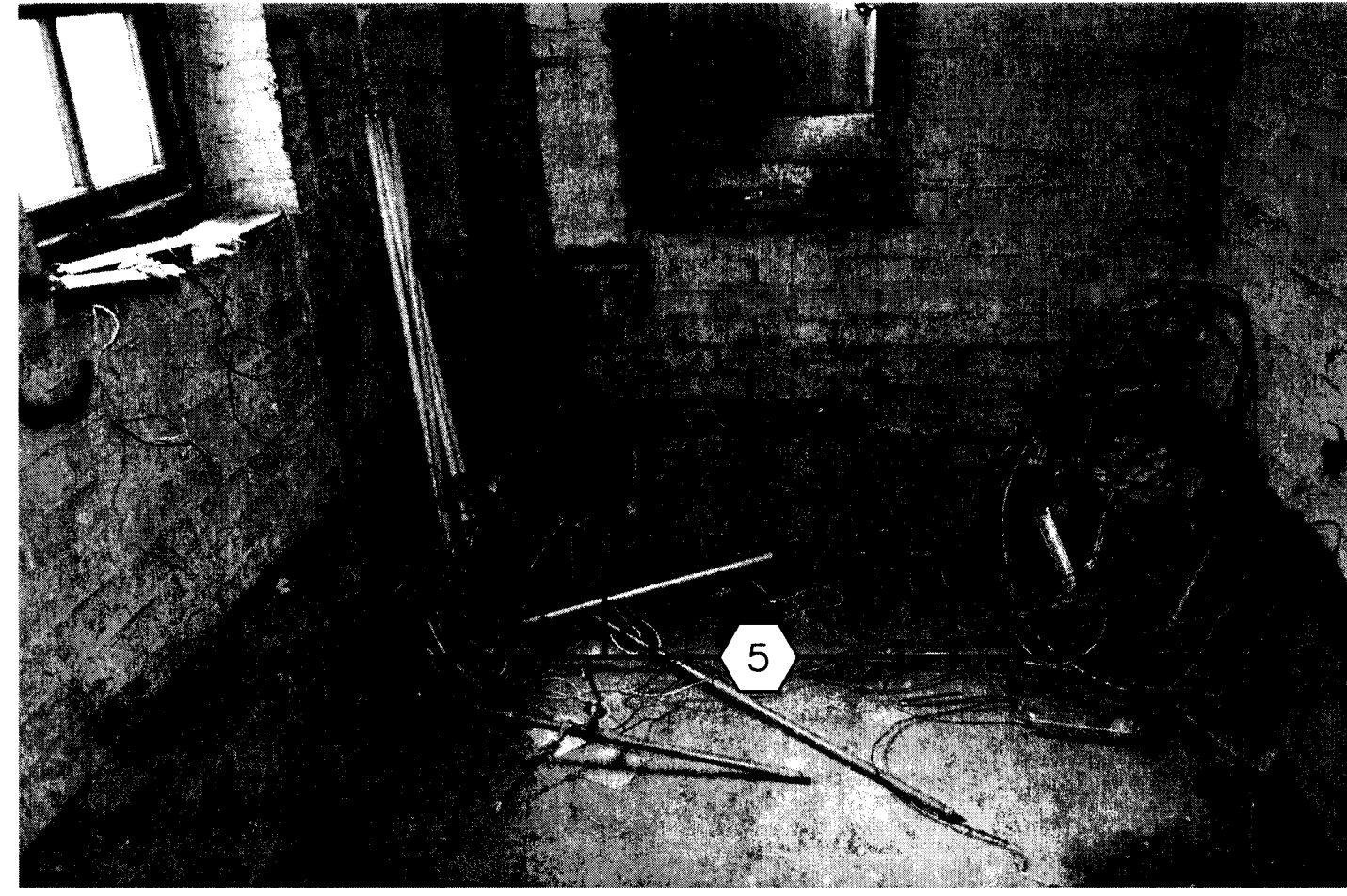
- 2** ALL REMAINING WOOD FLOORING, SEE P-4 OTHER THAN MAIN COURTROOM, SHALL BE VACUUMED, MOPPED CLEAN TO REMOVE ALL DUST AND DIRT. SURFACE MAIL TO TIGHTEN LOOSE BOARDS.
- OVERLAY ALL FLOORS WITH THE FOLLOWING: 30# FELT AND 1/4" B-C PLYWOOD TO SERVE AS A BASE FOR CARPET. SEE P-4



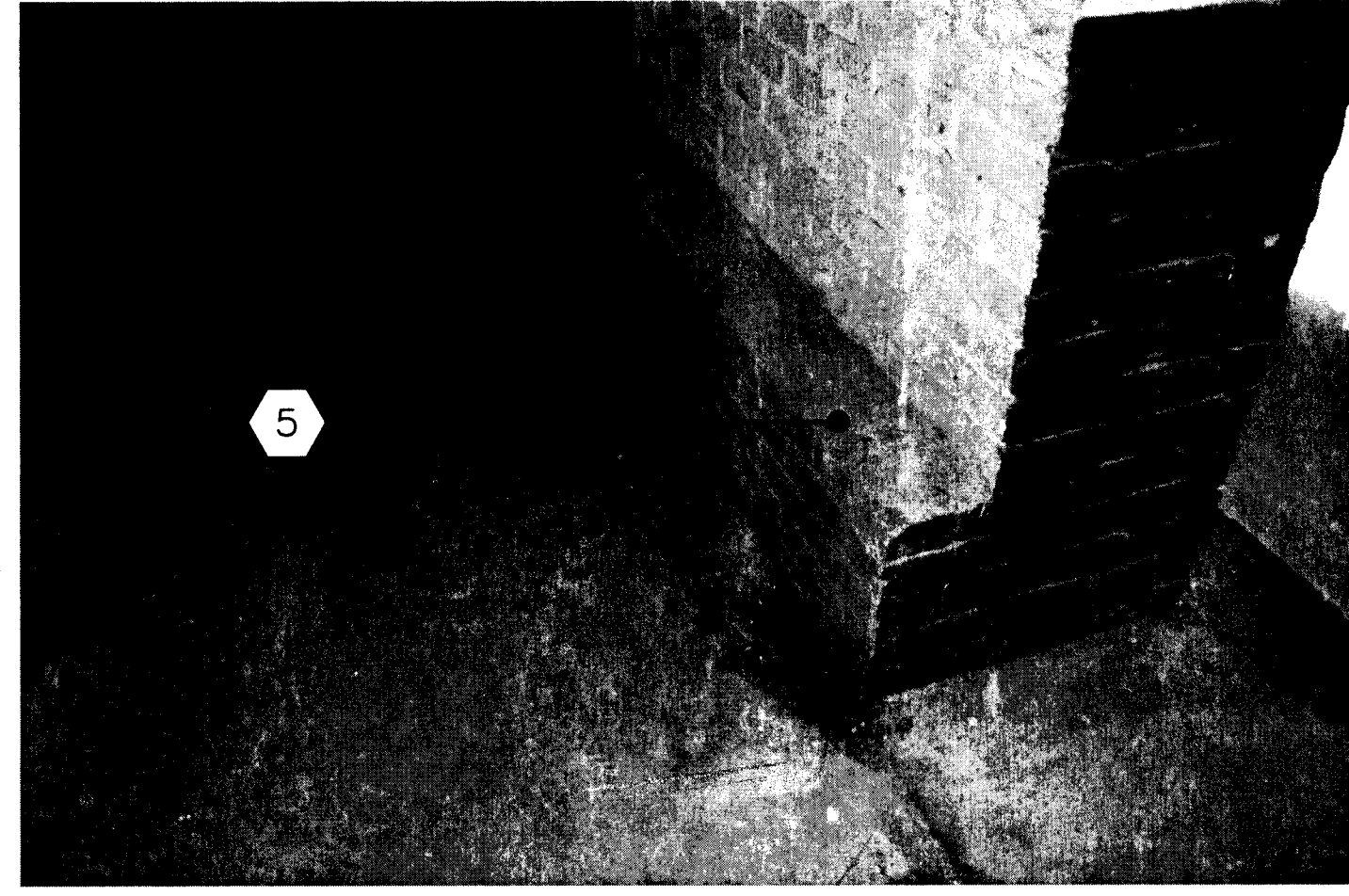
(P5) FIREPLACE REMOVAL PHOTO 0054
NTS



(P6) PLASTER REPAIR PHOTO 0027
NTS



(P7) BRICK LEDGE REMOVAL PHOTO 0002
NTS

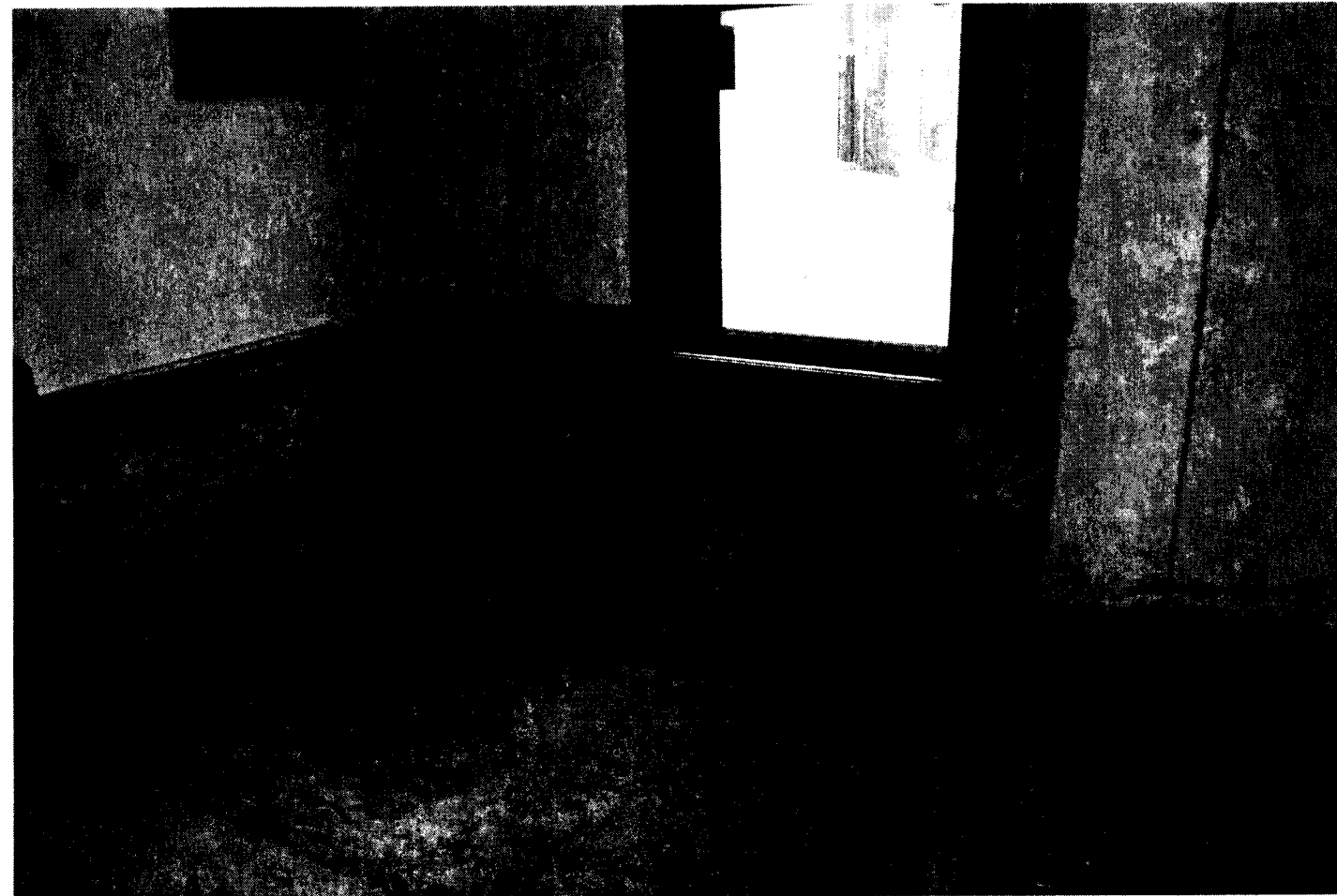


(P8) BRICK LEDGE REMOVAL PHOTO 0005
NTS

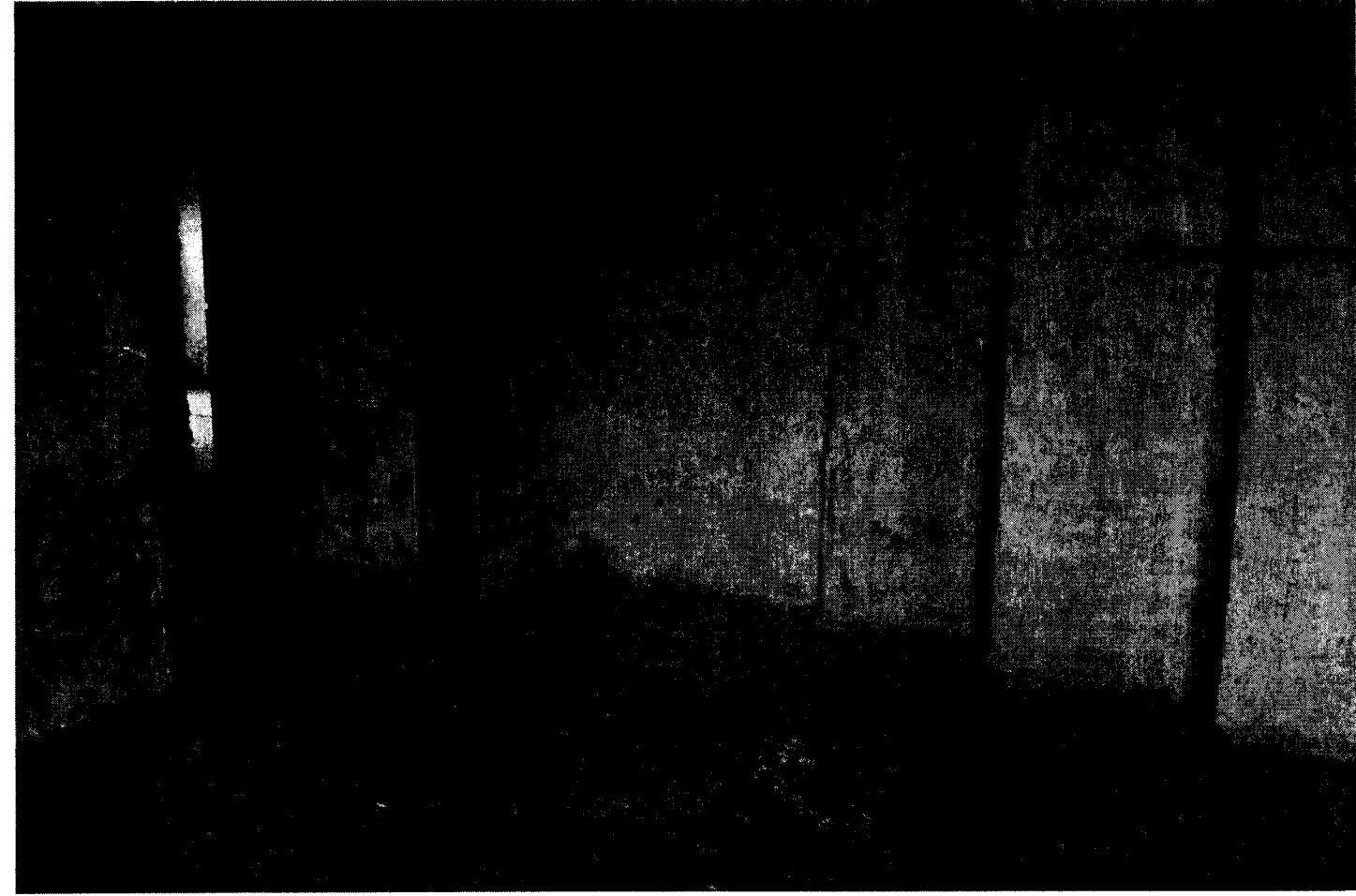
- 3** REMOVE FIREPLACES THAT WILL OCCUR IN THE FOLLOWING LOCATIONS:
1ST FLOOR-CORRIDOR 140A
2ND FLOOR-CORRIDOR 214A
3RD FLOOR-CORRIDOR 331
- AFTER REMOVING THE FIREPLACE FRONT BRICK UP THE REMAINING CAVITY SOLID WITH BRICK AND SEAL THE FLUE WITH CONCRETE.
- RETAIN MANTLES AS SAMPLES FOR MAKING NEW OAK REPLACEMENT MANTLES.

- 4** ALL PLASTER CEILINGS SHALL BE TAP TESTED FOR STRUCTURAL INTEGRITY. IF LARGE AREAS AREA LOOSE AND CANNOT BE REPAIRED IT MUST BE REMOVED AND THE AREAS REPLASTERED. ONLY THE PLASTER CEILINGS THAT WILL BE EXPOSED WILL BE REQUIRED TO BE REWORKED AND RESTORED. SMALL AREA MAY BE REPAIRED BY STRUCTURAL ADHESIVE INJECTION.
- CEILINGS THAT ARE TO BE COVERED BY ACOUSTICAL PANEL CEILINGS ARE NOT REQUIRED TO BE REPAIRED. ALL LOOSE PLASTER MUST BE REMOVED PRIOR TO INSTALLATION OF LAY-IN-CEILINGS.

- 5** REMOVE ALL BRICK LEDGES AND PROJECTIONS TO MAKE MASONRY WALL FLUSH FOR FINAL FINISH APPLICATION.



(P9) SLAB REMOVAL AND REPAIR PHOTO 0036
NTS



(P10) SLAB REMOVAL AND REPAIR PHOTO 0021
NTS



(P11) SLAB REMOVAL AND REPAIR PHOTO 0055
NTS



(P12) SLAB REMOVAL AND REPAIR PHOTO 0056
NTS

- 3** EXCAVATE DIRT DOWN 5", INSTALL 10 MIL PVC VAPOR BARRIER AND POUR 3000 PSI CONCRETE SLAB. GRIND DOWN AND REMOVE ALL UNEVENNESS AT ALL CONCRETE FLOOR SLABS IN THE BUILDING. LEVEL ALL FLOOR SLABS WITH CEMENT AS SPECIFIED.

Project No.
1390

Date
07.10.2015
Drawn
GLM/KFP
Checked
JCS
Revisions

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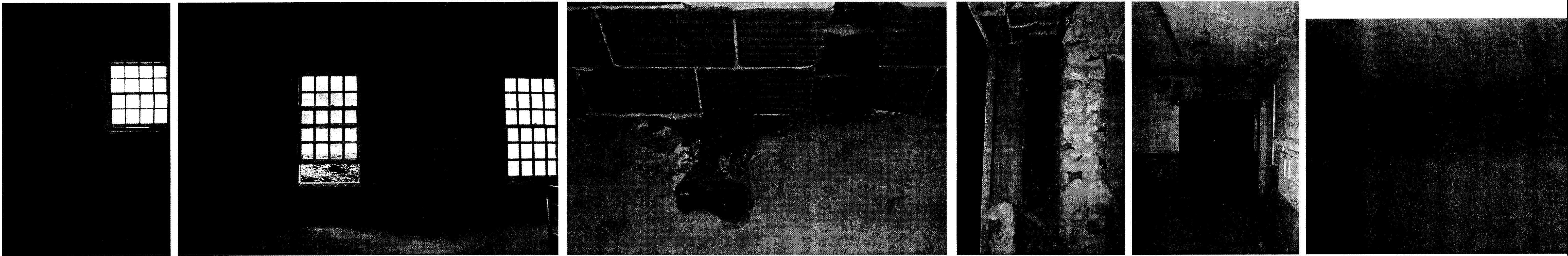
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

RENOVATION NOTES AND PHOTOS

sheet **4.35**



P1 MASONRY INFILL PHOTO 0020
NTS

P2 MASONRY INFILL PHOTO 0076
NTS

P3 CONCRETE AND MASONRY INFILL PHOTO 0133
NTS

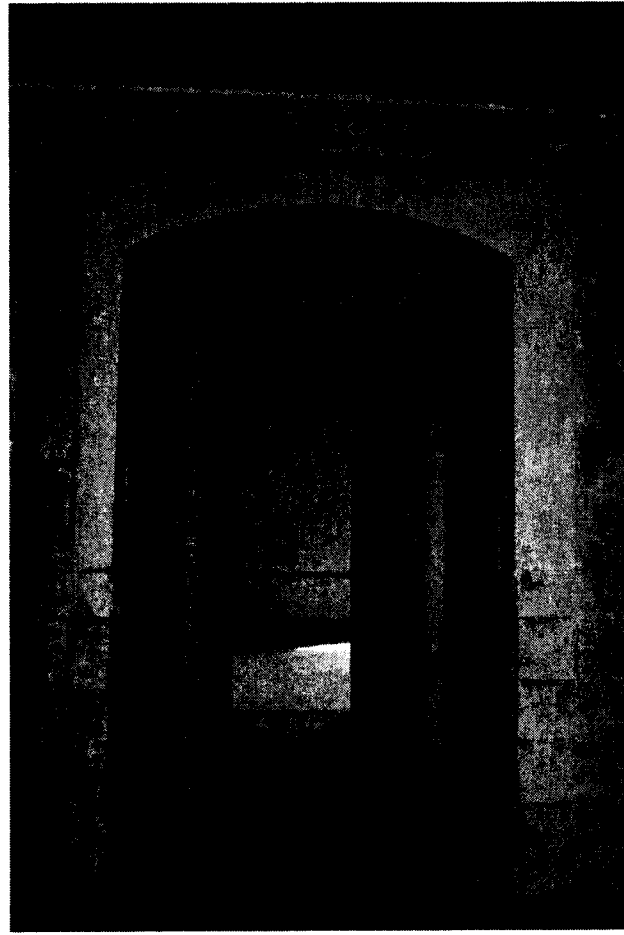
P4 MASONRY INFILL PHOTO 0021
NTS

P5 MASONRY INFILL PHOTO 0014
NTS

P6 CONCRETE AND MASONRY INFILL PHOTO 0036
NTS

1 MASONRY AND CONCRETE INFILL NOTES:
CLEAN OUT ALL CAVITIES IN WALLS AND HOLES IN FLOORS AND FILL WALL CAVITIES WITH BRICK. FOR HOLES IN FLOORS USE $\frac{3}{4}$ " USG RIB LATH AND EPOXY CEMENT GROUT. ALL HOLES IN THE FLOORS MUST BE FILLED. ALL HOLES IN WALL MUST BE FILLED WHERE HOLES ARE EXPOSED IN PLASTER
WALL THAT ARE TO REMAIN EXPOSED THEY SHALL BE FILLED WITH PLASTER AND THE SURFACE SHALL MATCH THE EXISTING PLASTER WALL.

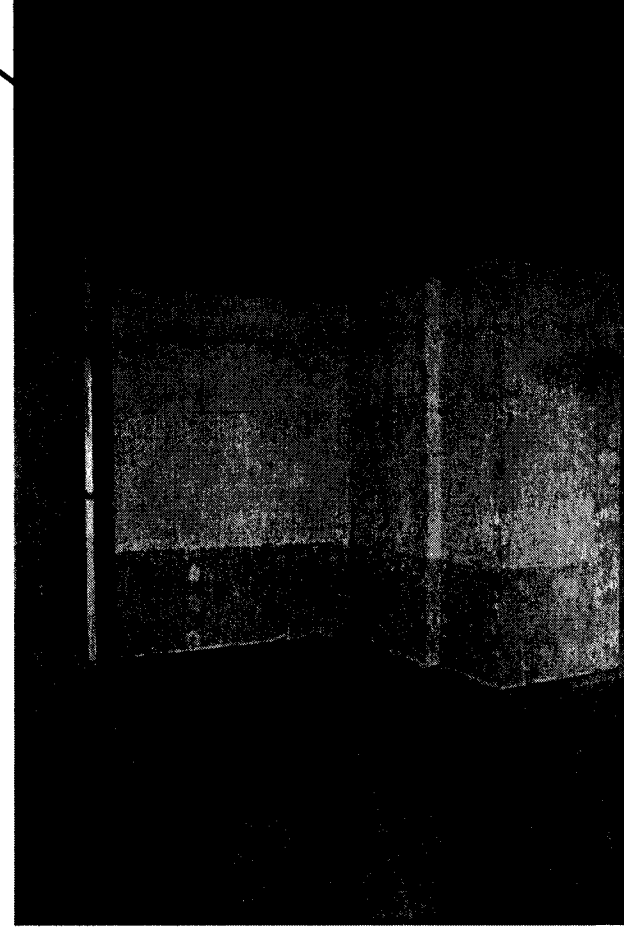
THIS WOOD FLOOR AND SLEEPERS HAVE BEEN REMOVED



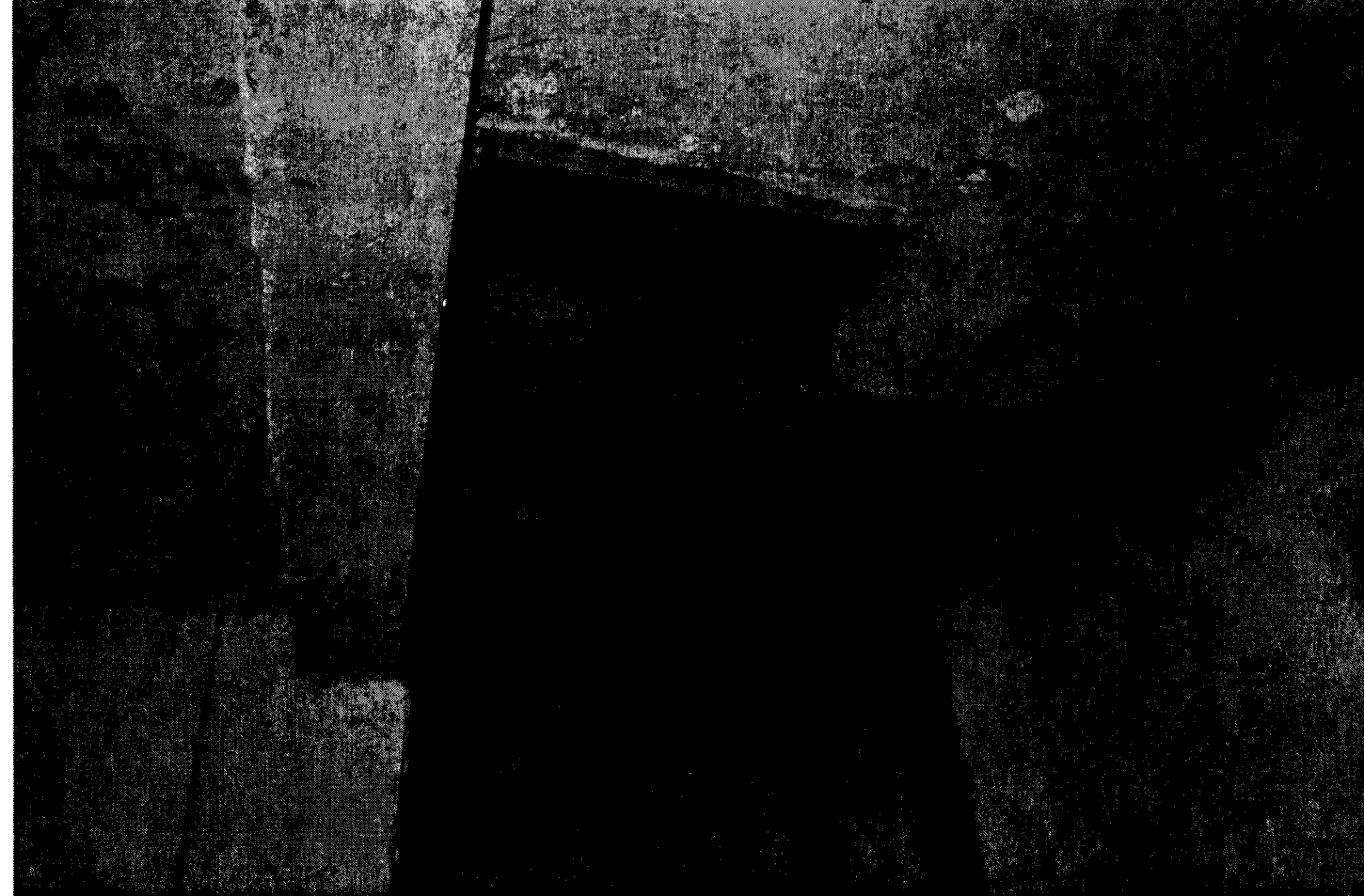
P7 DOOR TRIM PHOTO 0049
NTS



3



P8 THIRD FLOOR TOP OF WALL SUPPORT PHOTO 0061
NTS



P9 STRUCTURAL FLOOR INFILL PHOTO 0013
NTS
LOOKING UP AT FIRST FLOOR CEILING

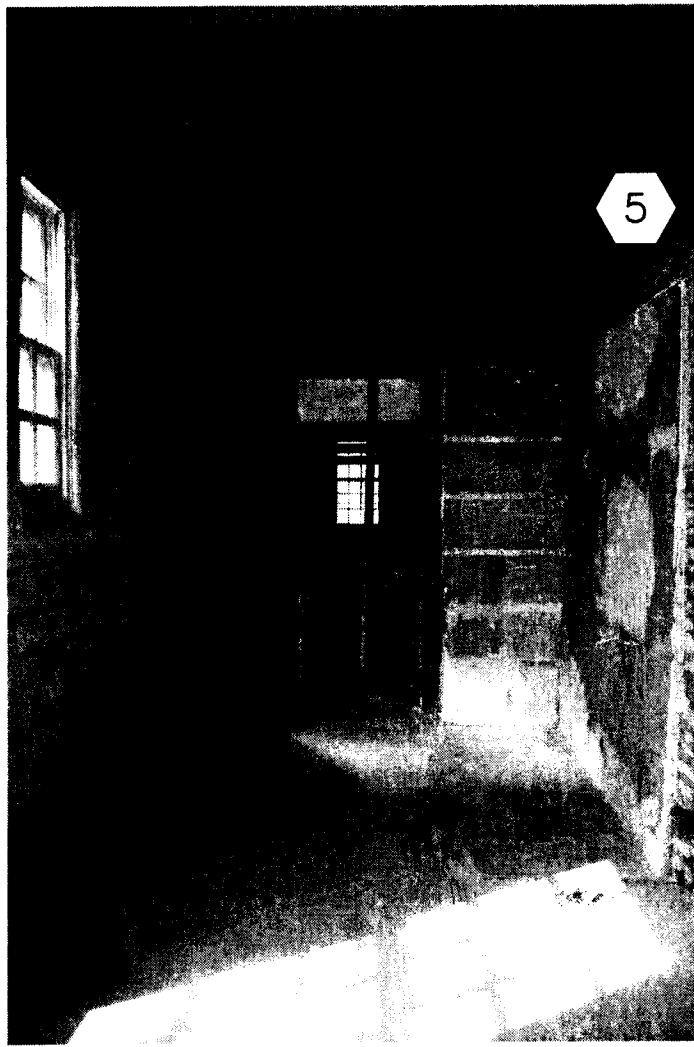


P10 STRUCTURAL FLOOR INFILL PHOTO 8854
NTS
LOOKING DOWN AT SECOND FLOOR

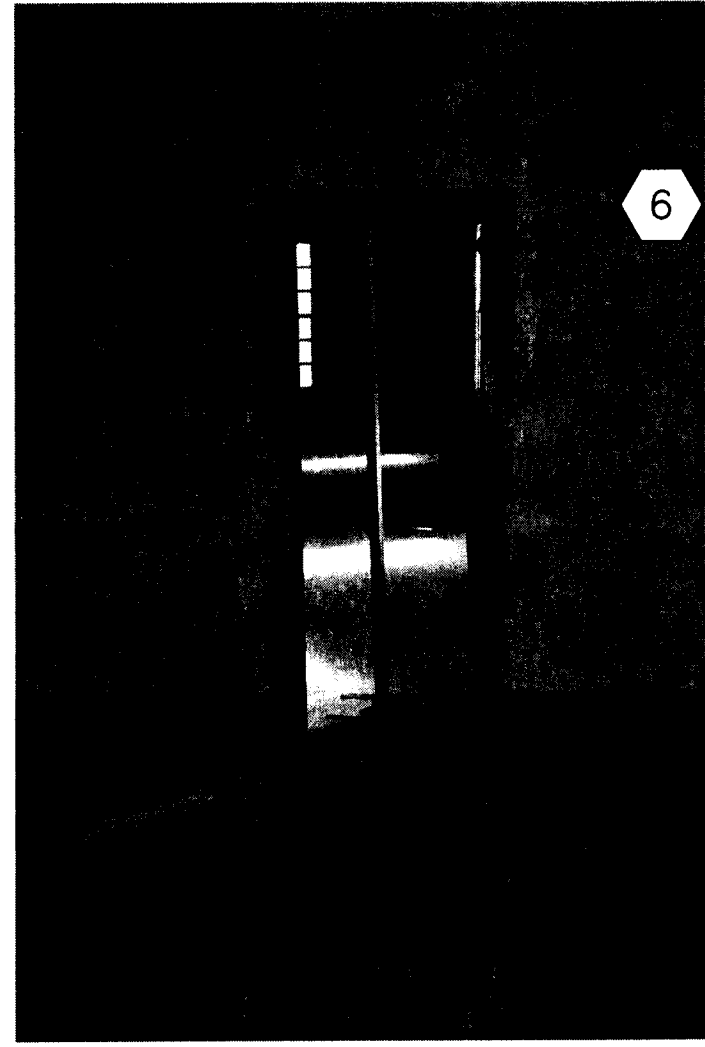
2 REMOVE INTERIOR WOOD TRIM AND SAVE ANY OAK TRIM FOR LATER REUSE, REMOVE WOOD PANELING IF POSSIBLE WITHOUT DAMAGING EXISTING GYPSUM BLOCKS. USE $\frac{3}{8}$ " METAL FURRING CHANNELS AND $\frac{3}{8}$ " GYP. BOARD, MAINTAIN ARCH OPENING IN WALL. REFER TO DOOR DETAILS FOR HOW TO INSTALL OAK TRIM ON OFFICE SIDE OF WALL.

3 ALL WALLS AT THIRD FLOOR THAT ARE FREESTANDING WILL NEED TO BE BRACED WITH 6" METAL STUD WALL UP TO EXISTING ROOF STRUCTURE. REFER TO PARTITION TYPES FOR ADDITIONAL INFORMATION.

4 INFILL THIS AREA PER STRUCTURAL DRAWINGS.



5



6

P11 STRUCTURAL LINTEL PHOTOS 0026 & 0029
NTS



7

P12 EXISTING METAL DOOR FRAME PHOTOS 0080
NTS

5 REFER TO STRUCTURAL DRAWINGS FOR LINTEL SIZE. LINTEL TO SHORE UP JOIST TO TAKE UP LOAD ON ANGLE LINTEL AND BRICK.

6 REMOVE EXISTING WOOD FRAME THIS OPENING. REFER TO DOOR DETAIL FOR NEW OPENING.

7 REMOVE STEEL FIN AT JAMS AND HEAD GRIND SMOOTH AND PREP FOR NEW PAINT

IMPORTANT NOTES:
ALL PHOTOS SHOWN ON THIS SHEET ARE FOR INFORMATIONAL PURPOSES.

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JCS
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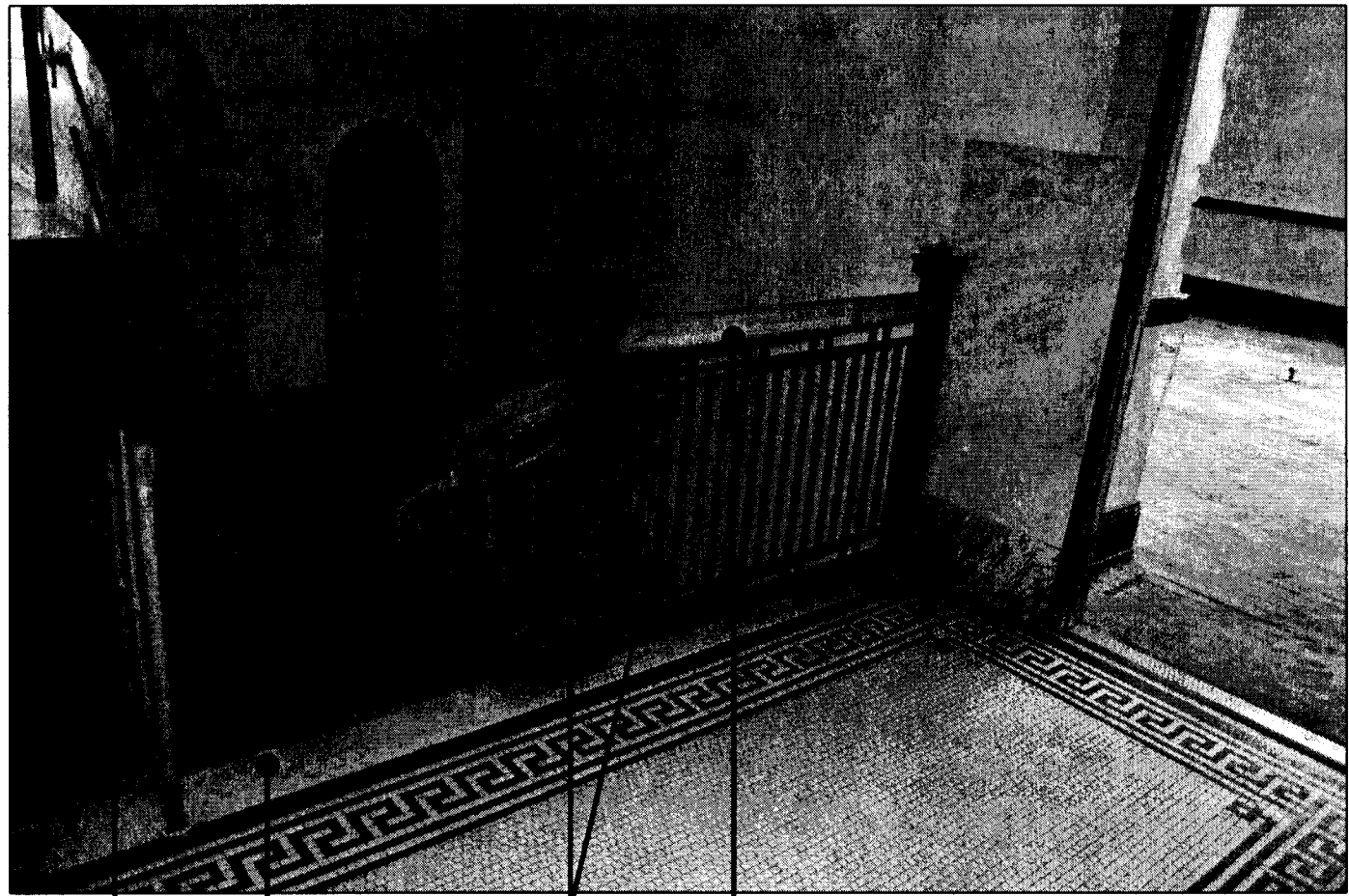
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

RENOVATION NOTES AND PHOTOS

sheet **4.35A**



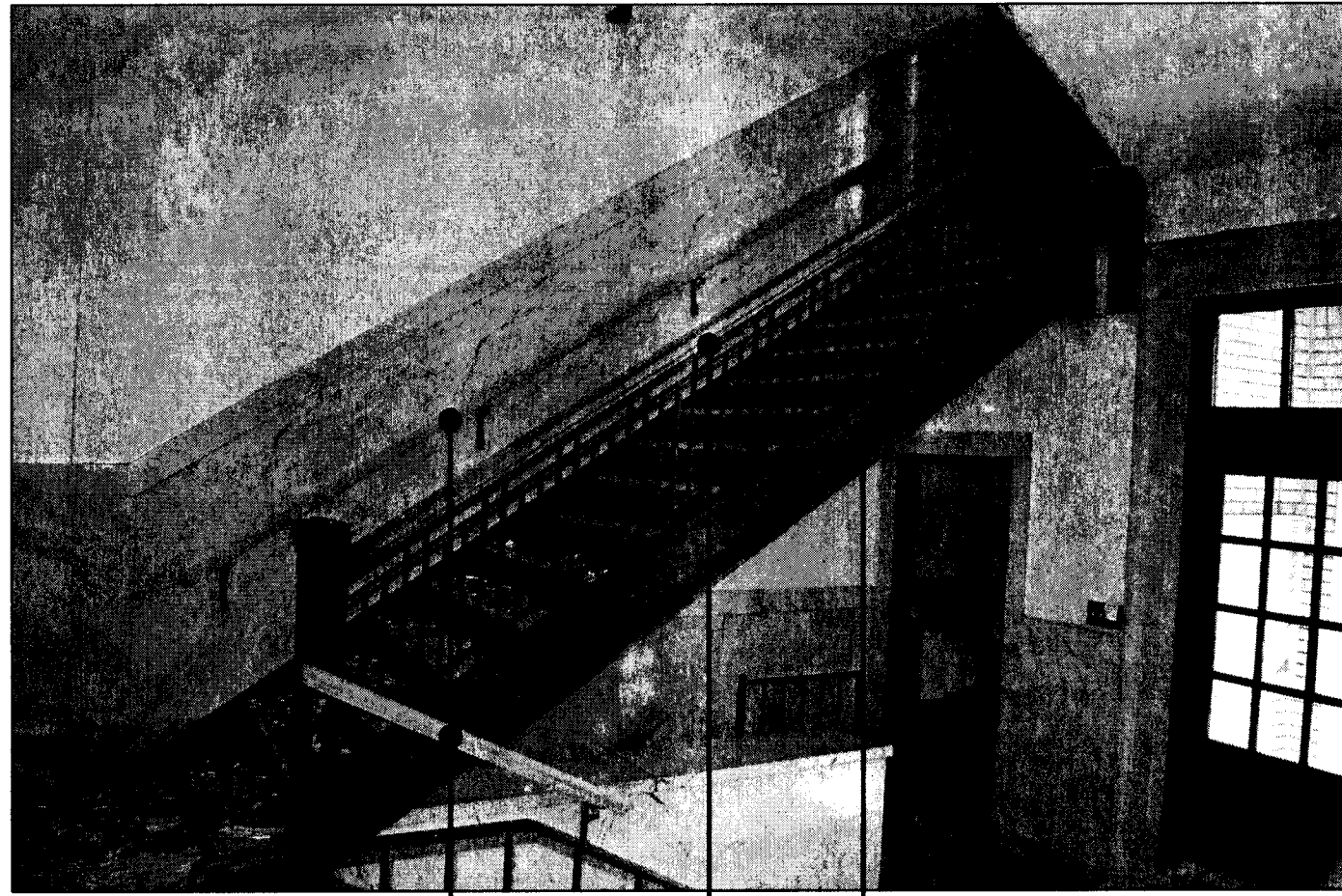
P1 HAND RAIL PHOTO 0071
NTS



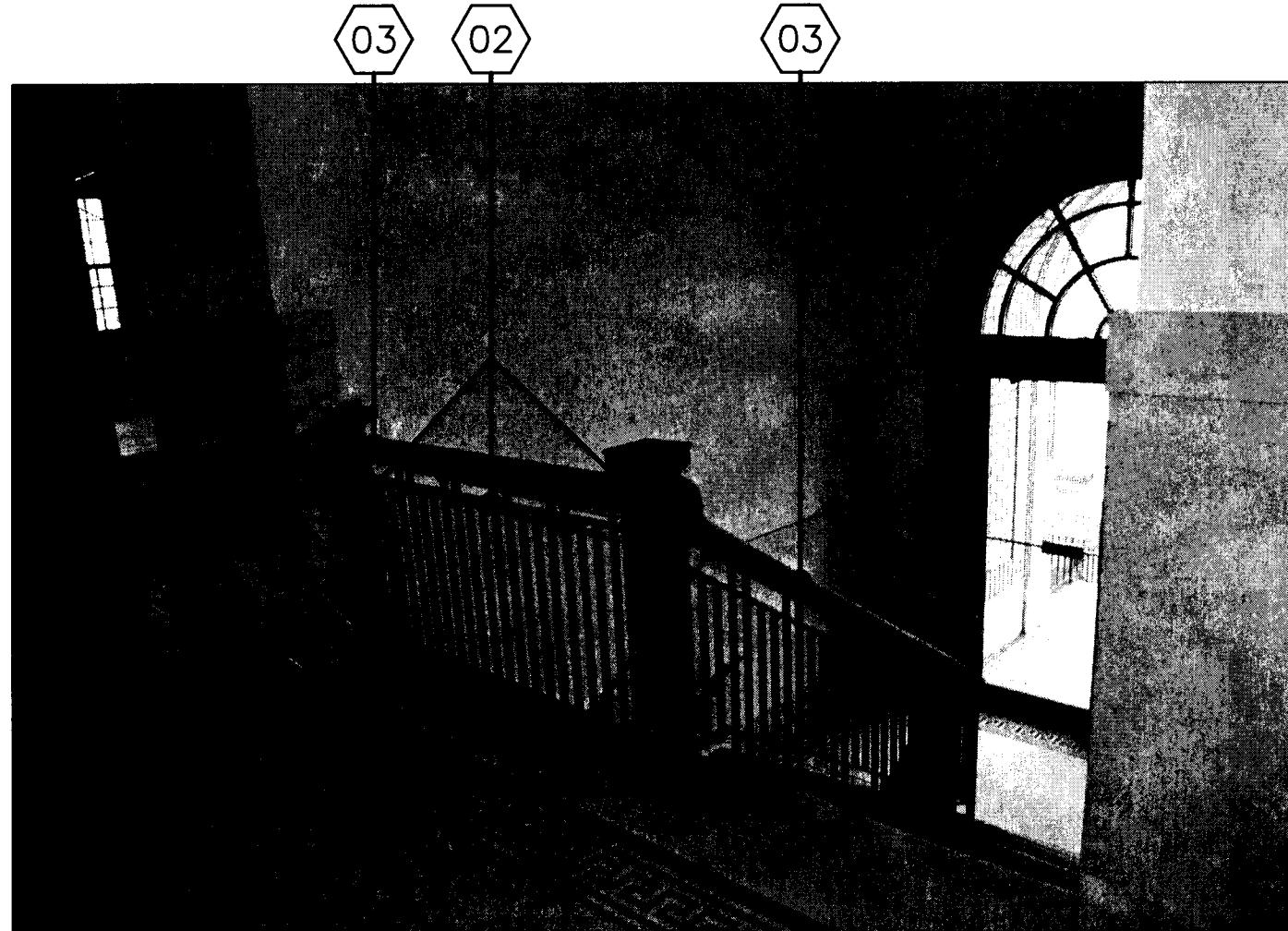
P2 HAND RAIL PHOTO 0074
NTS



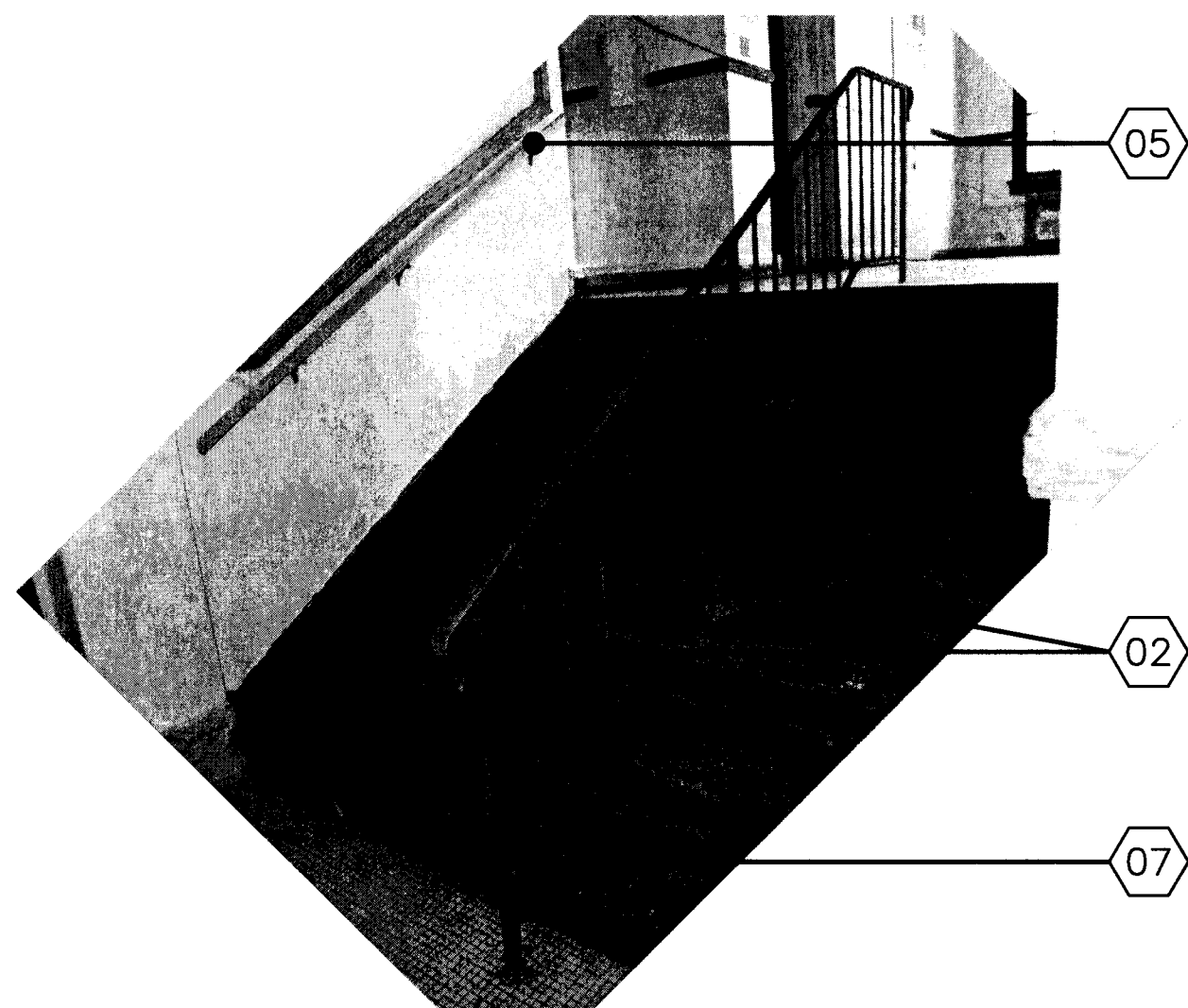
P3 HAND RAIL PHOTO 0076
NTS



P4 HAND RAIL PHOTO 0080
NTS



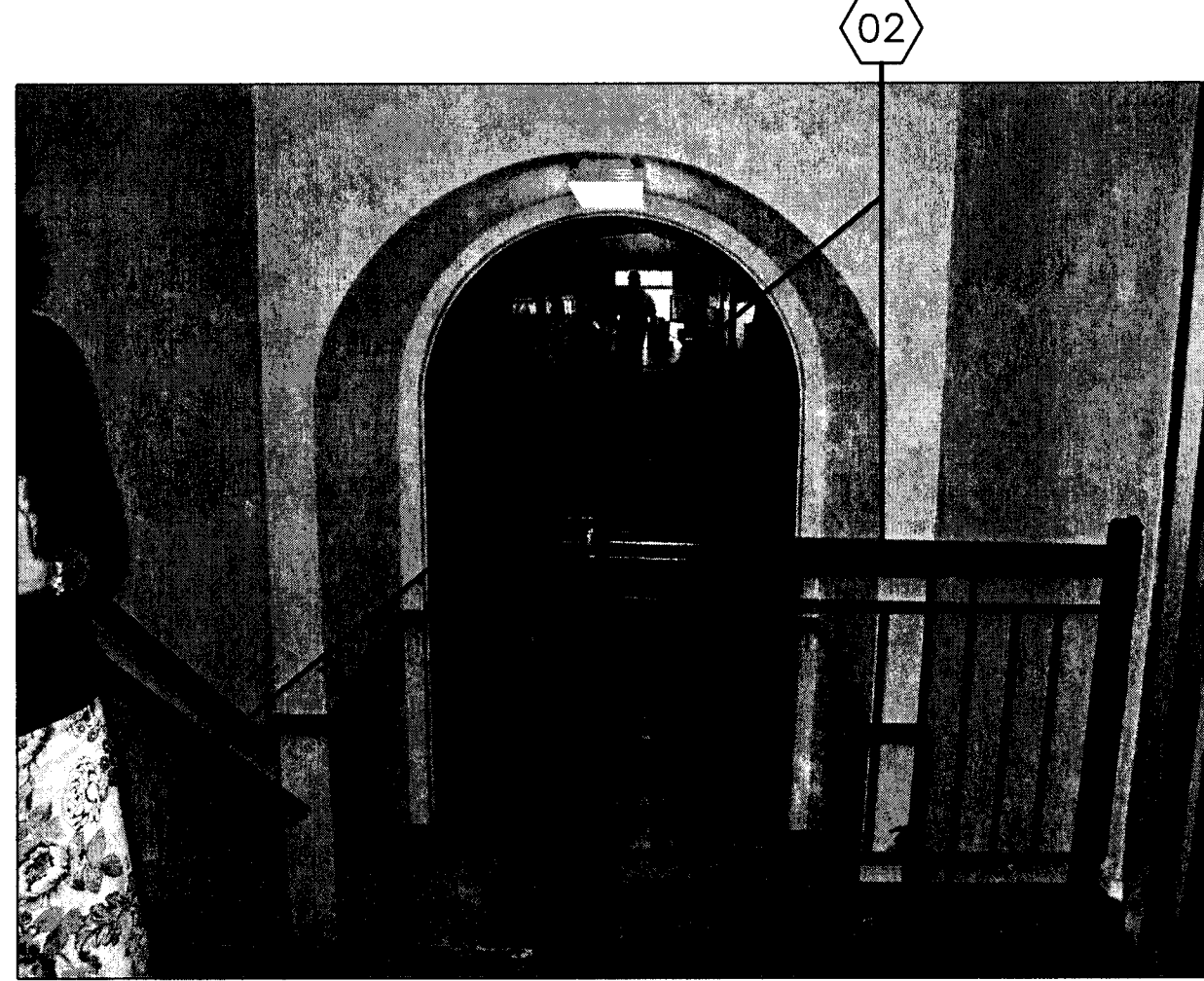
P5 HAND RAIL PHOTO 0081
NTS



P6 HAND RAIL PHOTO 0070
NTS



P7 HAND RAIL PHOTO 8216
NTS



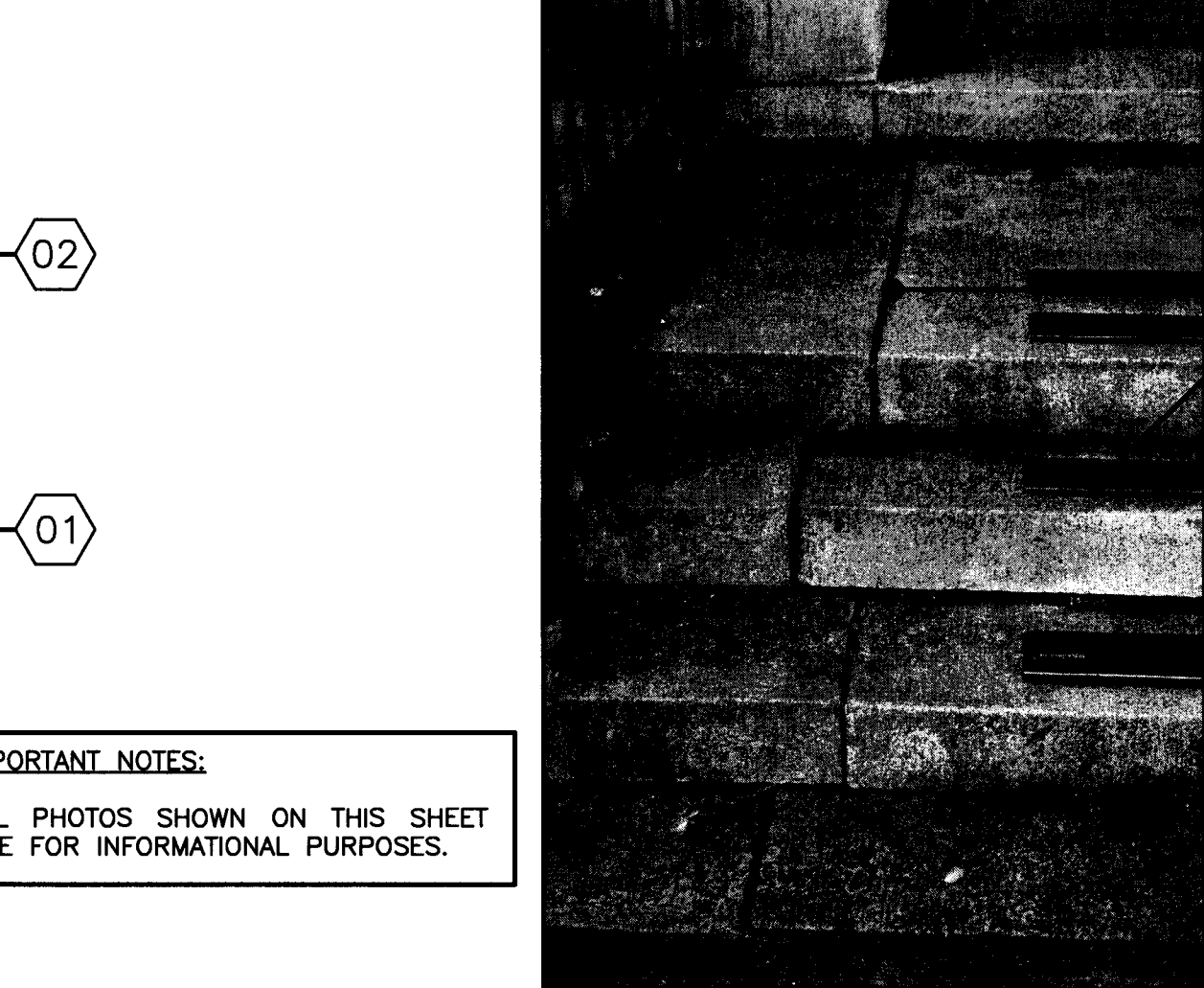
P8 HAND RAIL PHOTO 7707
NTS



P9 EXTERIOR STAIRS PHOTO 0017
NTS



P10 EXTERIOR STAIRS PHOTO 0035
NTS



P11 EXTERIOR STAIRS PHOTO 0037
NTS



P12 EXTERIOR STAIRS PHOTO 0078
NTS

EXTERIOR STAIR NOTES

1. NOTIFY ARCHITECT OF UNFORESEEN DETRIMENTAL CONDITIONS INCLUDING VOIDS, CRACKS, BULGES, AND LOOSE UNITS IN EXISTING STONE OR UNIT MASONRY BACKUP, ROTTED WOOD, RUSTED METAL, AND OTHER DETERIORATED ITEMS.
2. REMOVE MORTAR, LOOSE PARTICLES, AND SOIL FROM STONE BY CLEANING WITH HAND CHISELS, BRUSHES, AND WATER.
 - A. REMOVE SEALANTS BY CUTTING CLOSE TO STONE WITH UTILITY KNIFE AND CLEANING WITH SOLVENTS.
 - B. DELIVER CLEANED STONE NOT REQUIRED FOR REUSE TO OWNER UNLESS OTHERWISE INDICATED.
3. CLEAN STONE SURROUNDING REMOVAL AREAS BY REMOVING MORTAR, DUST, AND LOOSE PARTICLES IN PREPARATION FOR REPLACEMENT.
 - A. USE SETTING BUTTONS OR SHIMS TO SET STONE ACCURATELY SPACED WITH UNIFORM JOINTS.
4. RAKE OUT MORTAR USED FOR LAYING STONE BEFORE MORTAR SETS AND POINT NEW MORTAR JOINTS IN REPAIRED AREA TO COMPLY WITH REQUIREMENTS FOR REPOINTING EXISTING STONE, AND AT SAME TIME AS REPOINTING OF SURROUNDING AREA.
 - A. WHEN MORTAR IS SUFFICIENTLY HARD TO SUPPORT UNITS, REMOVE SHIMS AND OTHER DEVICES INTERFERING WITH POINTING OF JOINTS.
5. RAKE OUT ALL JOINTS THIS AREA AND REPOINT WITH MORTAR/SELANT MIXTURE.

HANDRAIL NOTES

1. INSPECT ALL HANDRAILS AND RAILINGS TO FOR ANY MISSING OR DAMAGED COMPONENTS, REPAIR AS NEEDED.
2. PROTECT ADJACENT SURFACES WHILE CLEANING HANDRAIL AND RAILINGS.
3. METAL RAILINGS: REMOVE DETERIORATED COATINGS AND CORROSION. SEQUENCE WORK TO MINIMIZE TIME BEFORE PROTECTIVE COATINGS RE APPLIED. CLEAN ITEMS IN PLACE UNLESS OTHER WISE INDICATED.
4. METAL RAILINGS: INSPECT ALL HANDRAILS AND RAILINGS TO BE SURE THEY ARE PROPERLY SECURED AND ALL FASTENERS ARE INTACT. PRIME AND PAINT ONCE SURFACE IS PROPERLY CLEANED AND PREPPED.
5. FABRICATE REPAIRS OF DECORATIVE METAL ITEMS AND COMPONENTS IN SIZES AND PROFILES TO MATCH EXISTING DECORATIVE METAL, WITH ACCURATE CURVES, LINES, AND ANGLES. MILL JOINTS TO A TIGHT, HAIRLINE FIT. FORM ASSEMBLIES AND JOINTS EXPOSED TO WEATHER TO RESIST WATER PENETRATION AND RETENTION.
6. WOODEN HANDRAILS AND TOP RAILS: SAND ALL WOODEN HANDRAILS AND TOP RAILS SMOOTH OF ROUGH WOOD AND OLD FINISH. PREPARE WOOD TO RECEIVE NEW FINISH TO MATCH NEW FINISH COLOR.

KEYNOTES

- 01 CLEAN, RAKE AND POINT UP ALL MASONRY JOINTS. REMOVE, RESET IN NEW CEMENT SETTING BED AND REALIGN STONES AS NEEDED. REMOVE EXISTING NON-SLIP TREADS AND CLEAN STONE.
- 02 CLEAN AND REFINISH EXISTING METAL
- 03 SAND WOOD AND MAKE READY FOR NEW FINISH
- 04 CLEAN AND BUFF EXISTING MARBLE
- 05 REPLACE HANDRAILS WITH NEW TO MATCH SIZE, PROFILE AND WOOD SPECIES OF EXISTING WOOD HANDRAIL. CLEAN AND REFINISH METAL BRACKETS TO REMAIN.
- 06 PATCH AND REPAIR ALL WOODEN HANDRAILS TO REMAIN.
- 07 REPLACE TREADS WITH NEW RUBBER TREADS REFER TO FINISH SCHEDULE

NOTE

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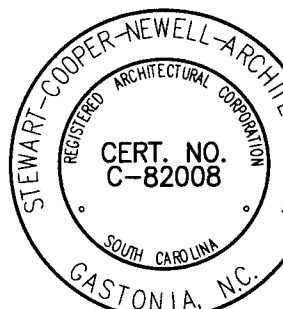
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Project No.
1390

Date
07.10.2015
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Revisions

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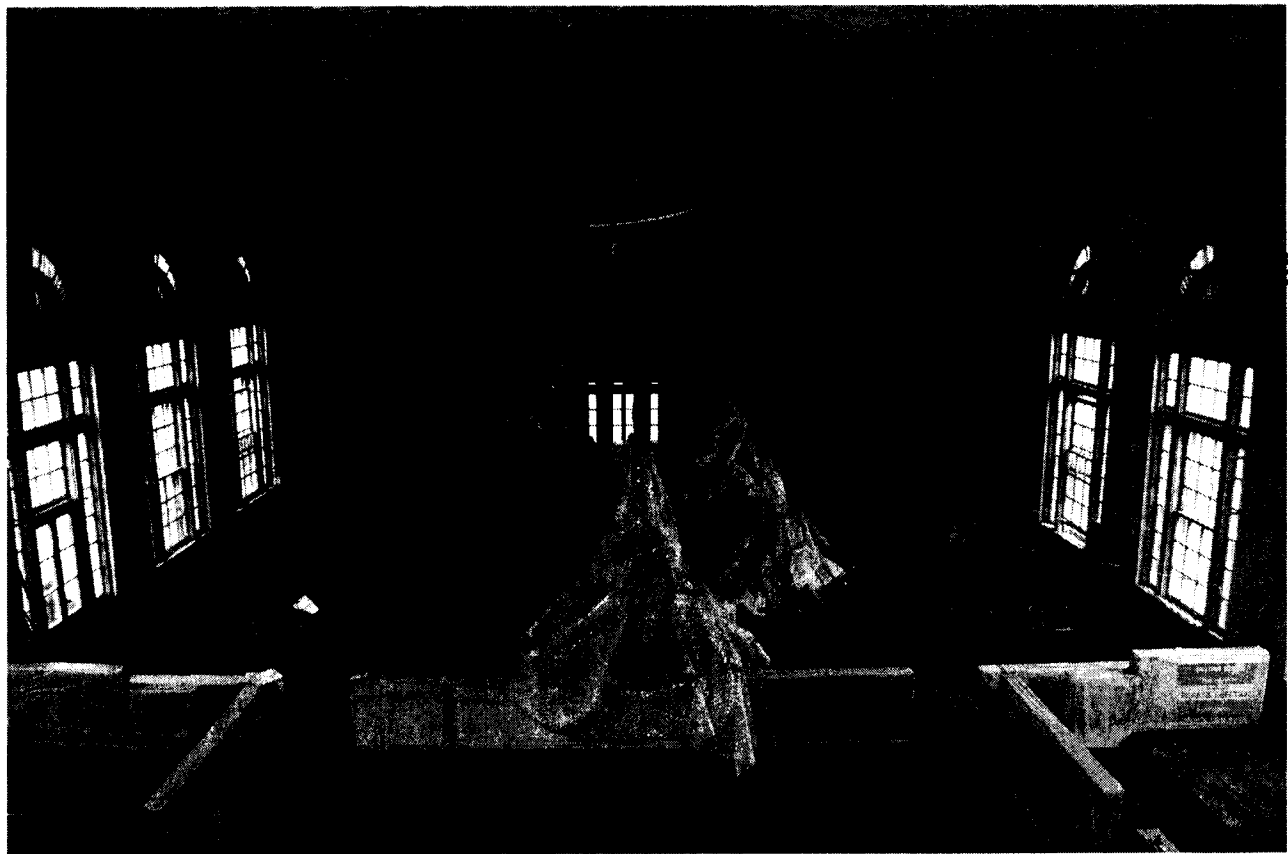
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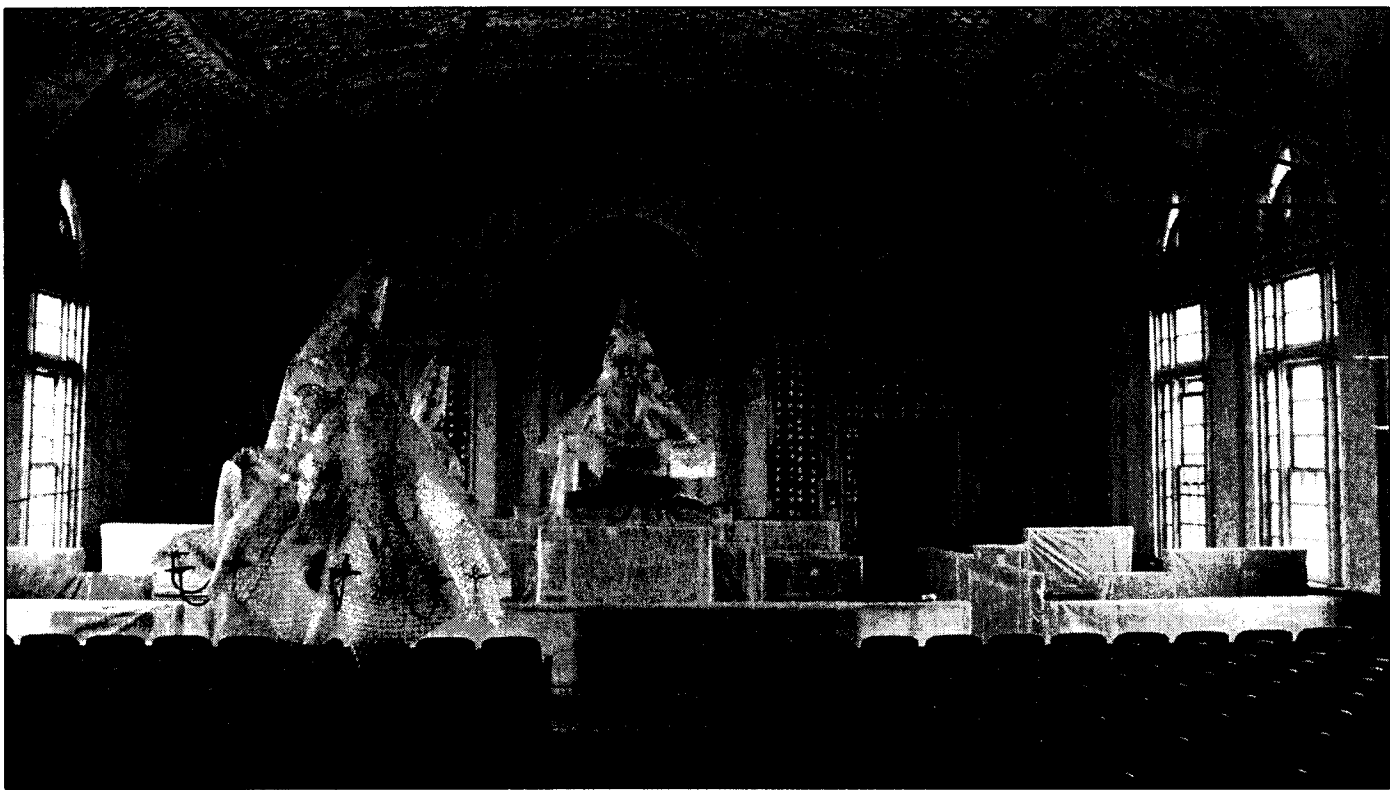
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
HANDRAIL RESTORATION

sheet 4.36



04
05

P1 COURTROOM PHOTO 0053
NTS

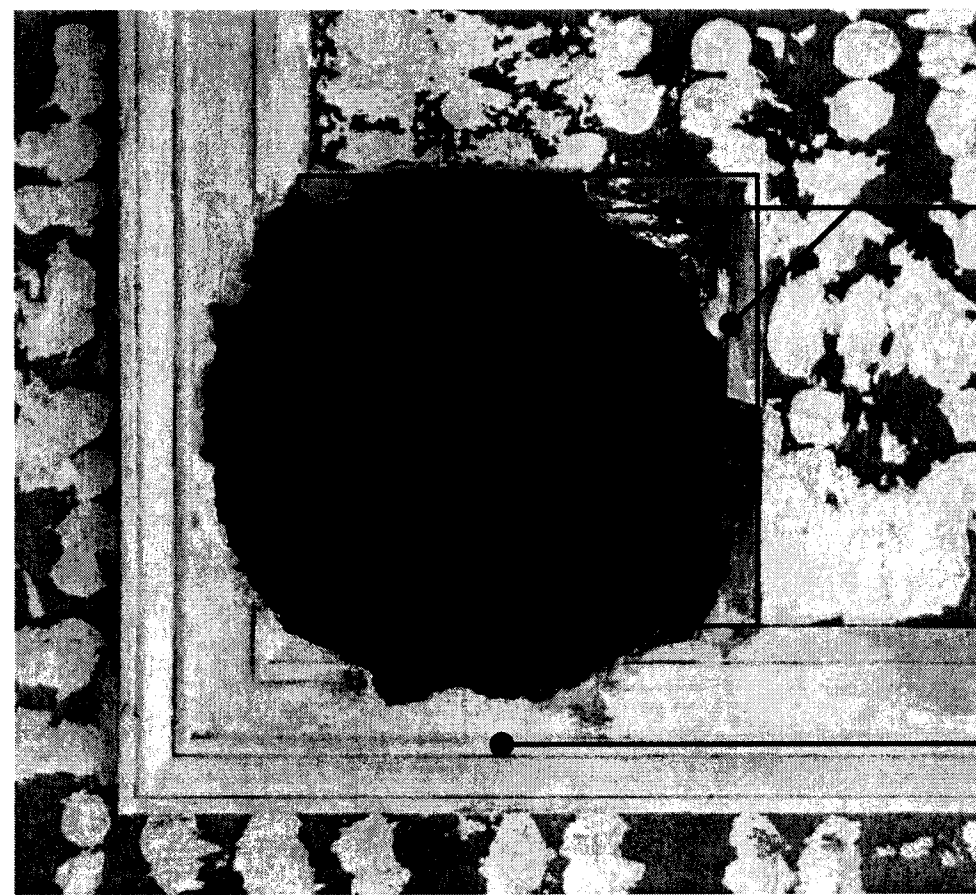


04
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P2 COURTROOM PHOTO 8219
NTS



P3 COURTROOM PHOTO 8689
NTS



01
01

P4 COURTROOM PHOTO 8705
NTS

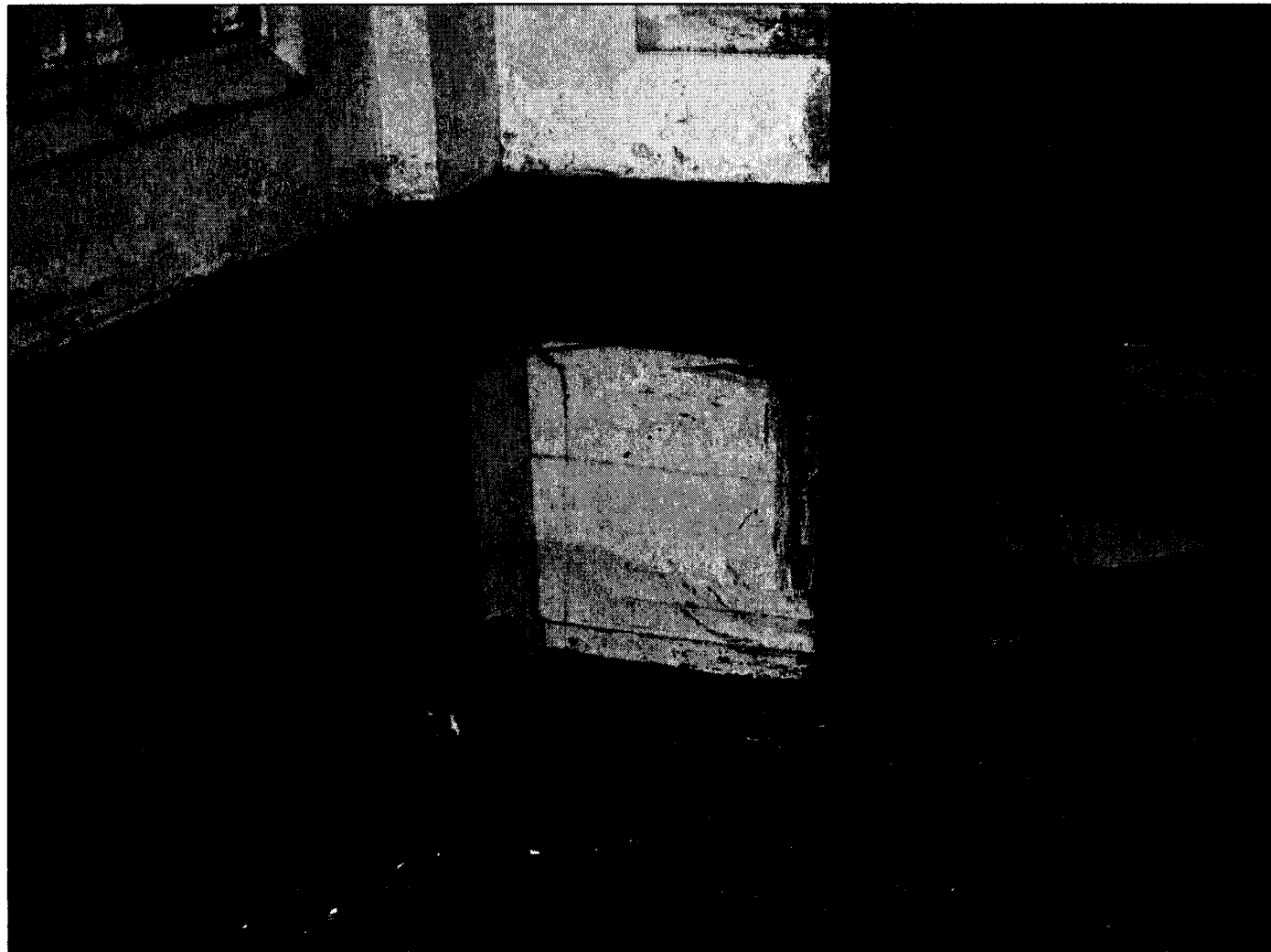


CONCRETE STRUCTURE ABOVE PLASTER CEILING



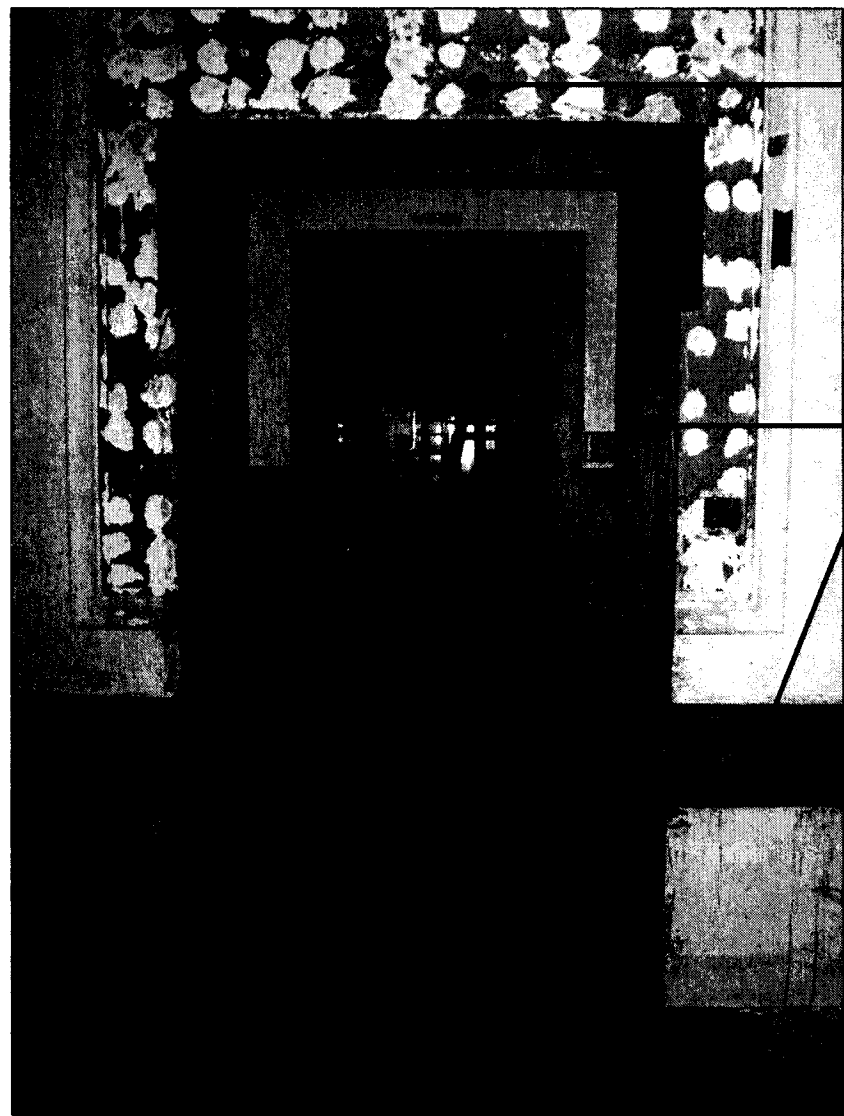
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P5 COURTROOM PHOTO 8702
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03

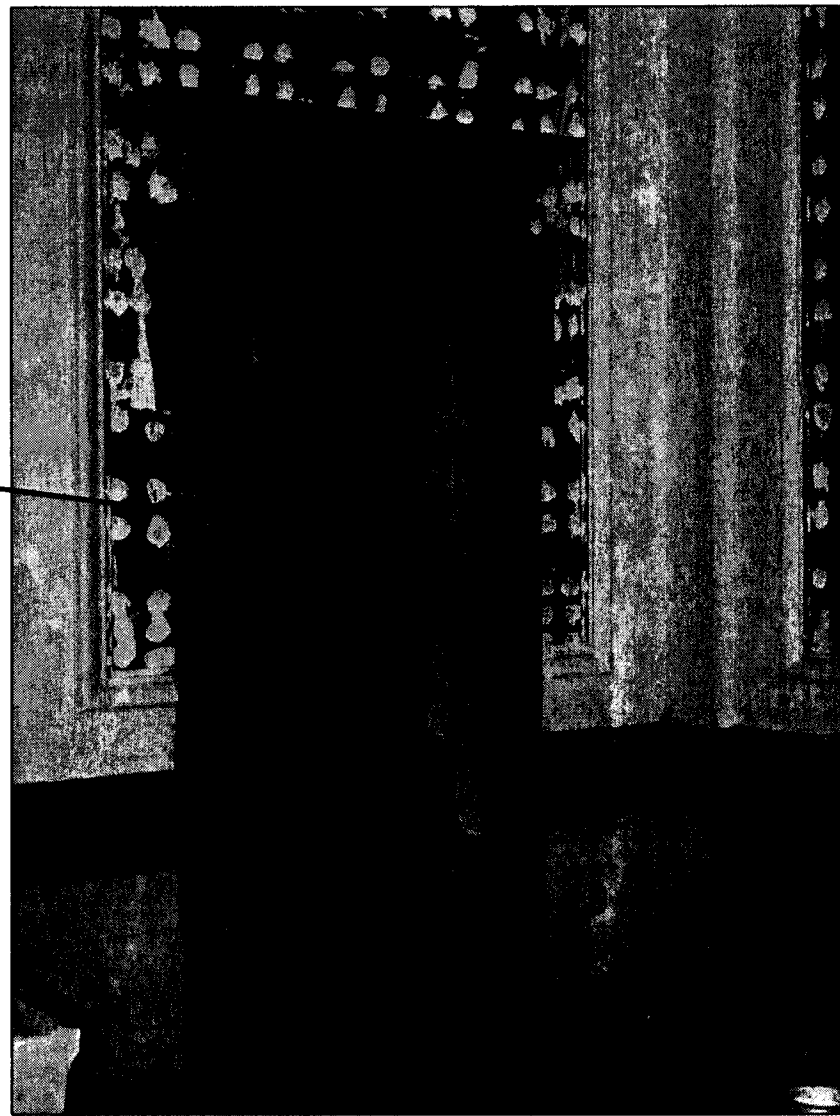
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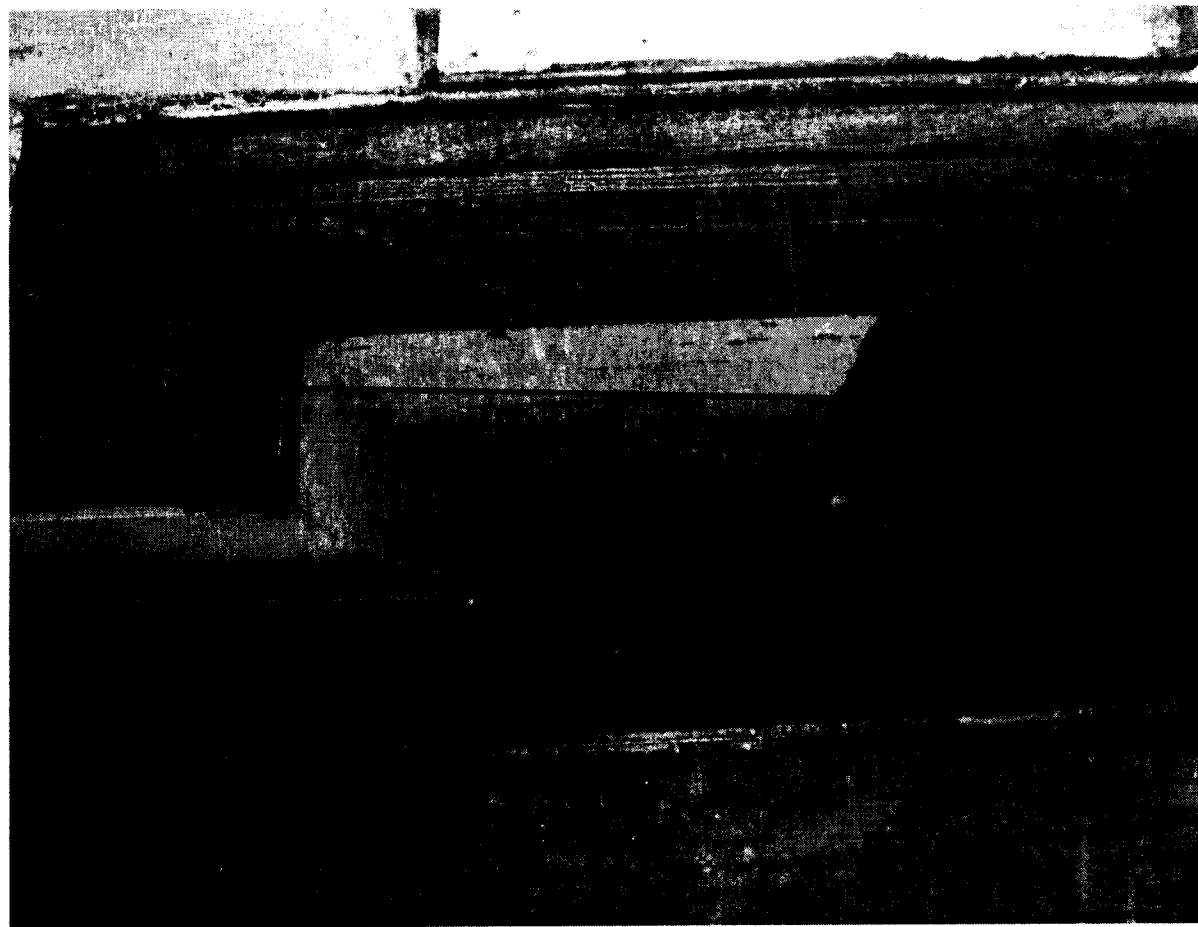
02

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P7 COURTROOM PHOTO 7838
NTS



P8 COURTROOM PHOTO 7837
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P9 COURTROOM PHOTO 0044
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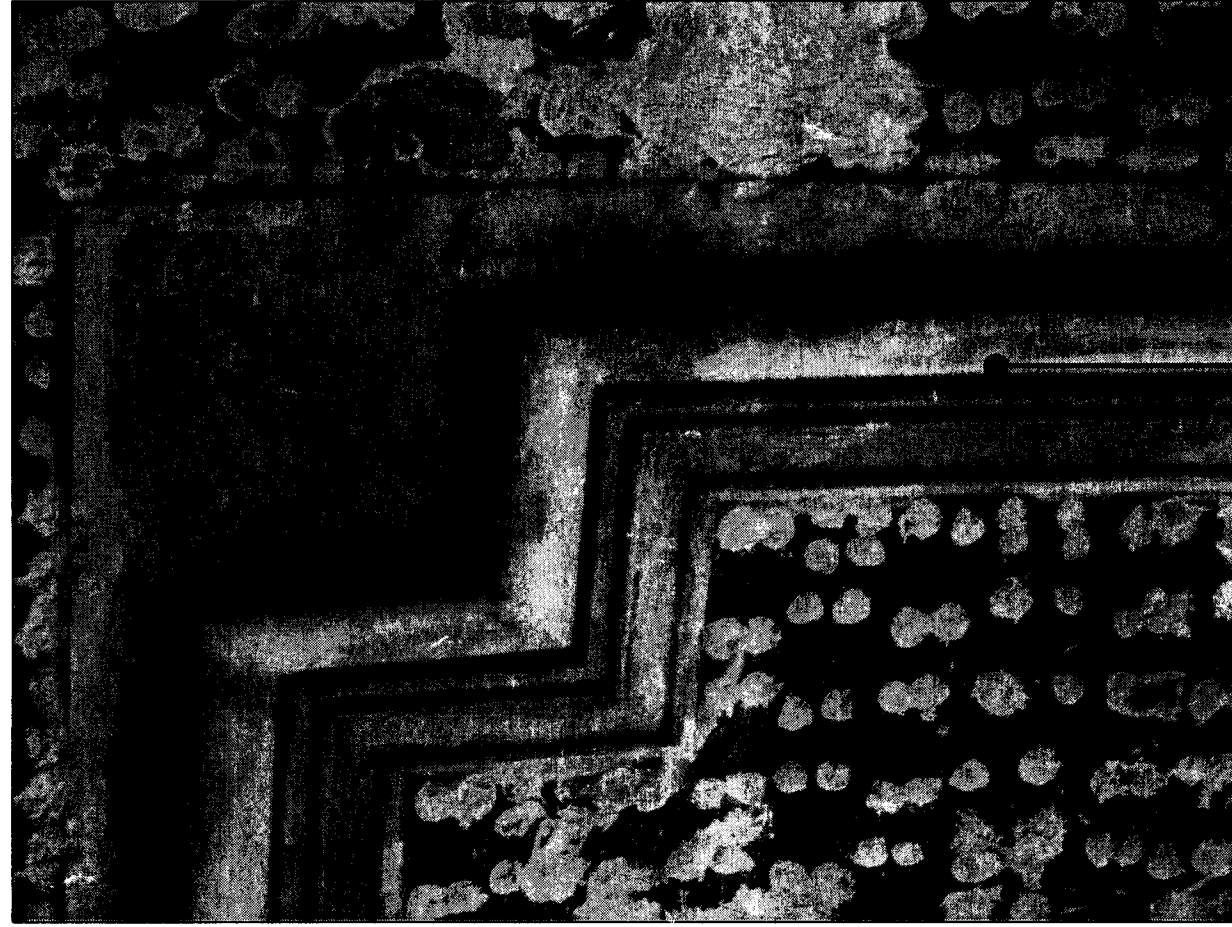


P10 COURTROOM PHOTO 0025
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03

P11 COURTROOM PHOTO 8221
NTS



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P12 COURTROOM PHOTO 8872
NTS

COURTROOM RESTORATION NOTES

1. REMOVE ALL PAINT AND ADHESIVE PADS FROM ALL PLASTER CEILINGS, WALLS AND MOLDINGS. USE THE LEAST HARMFUL METHOD WHICH MAYBE A COMBINATION OF THE POSSIBLE TYPES OF ITEMS:
A. WALL PAPER STEAMER
B. LIGHT SANDING WITH 150 GRIT SAND PAPER OF FINER
C. LIGHT SODA BLASTING
D. CHEMICAL STRIPPING WITH THE APPROPRIATE STRIPPER FOR THE MATERIAL TO BE STRIPPED.
2. PREPARE PLASTER FOR REFINISHING.
A. REMOVE ALL LOOSE PLASTER IF IT IS IMPRACTICAL TO REPAIR.
B. RE-ATTACH EXPOSED WOODEN LATH.
C. CLOSE LARGE HOLES IN CEILINGS AND USE METAL LATH TO BUILD OUT TO WITHIN 2" FROM SURFACE OF CEILING. USE 1-1/2" COLD ROLLED CHANNEL GRID AT 6" O.C. OVER HOLE TO SUPPORT 3/4" RIB LATH. ATTACH 3/4" RIB LATH SECURELY 1/2" BELOW 3/4" RIB LATH. USE HYDRAULIC CEMENT TO COVER THE 3/4" RIB LATH UP TO AND FLUSH WITH ATTIC FLOOR SLAB ABOVE. AFTER THE HYDRAULIC HAS SET AND CURED.

- PATCH CEILING FROM BELOW WITH 3-COAT APPLICATION (SCRATCH COAT, BROWN COAT AND FINISH COAT)
D. PATCH AND RESTORE SURROUNDING PLASTER TRIM AROUND HOLE TO MATCH EXISTING TRIM.
3. AFTER ALL PLASTER HAS BEEN REPAIRED APPLY FINISH HARD COAT OVER ALL CEILING WALL AND MOLDINGS FOLLOW STRICT INSTRUCTIONS FROM MANUFACTURER OF PLASTER REPAIR AND RESTORATION PRODUCTS AND EXPERIENCED PLASTER RESTORATION APPLICATOR.
 4. LEAVE ALL SURFACES SMOOTH, CURED AND READY FOR PAINTING.
- REFER TO 4.38-4.40 & SPECIFICATIONS FOR ADDITIONAL NOTES & PROCEDURES

KEYNOTES

- 01 PATCH AND RESTORE SURROUNDING PLASTER TRIM AROUND HOLE TO MATCH EXISTING TRIM.
- 02 DECORATIVE HEADER TO BE REPLACED TO MATCH ADJACENT DOOR HEADERS
- 03 REFURBISH AND FINISH WOOD TRIM TO MATCH EXISTING
- 04 REMOVE ALL PAINT AND ADHESIVE PADS FROM ALL PLASTER CEILINGS, WALLS AND MOLDINGS.
- 05 PREPARE PLASTER FOR REFINISHING.

NOTE

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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

COURTROOM RESTORATION

sheet 4.37

02
10
01

P1 DOOR PHOTO 0009
NTS

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P2 DOOR PHOTO 0019
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P3 DOOR PHOTO 8215
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P4 DOOR PHOTO 8659
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P5 DOOR PHOTO 8732
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P6 DOOR PHOTO 8760
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P7 DOOR PHOTO 8804
NTS

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P8 DOOR PHOTO 8838
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P9 DOOR PHOTO 8839
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P10 DOOR PHOTO 8851
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07

P11 DOOR PHOTO 2306
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02
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P12 DOOR PHOTO 5748
NTS

DOOR KEYNOTES

01 REMOVE EXISTING ALUMINUM STOREFRONT FRAME AND DOORS AND TURN OVER TO OWNER

02 WOOD TRIM AND SURROUND TO REMAIN AND BE REFURBISHED, CONTRACTOR TO VERIFY WOOD SPECIES, IF WOOD USED IS OTHER THAN OAK USE AS A PATTERN TO REPLACE TRIM WITH OAK

03 EXISTING MARBLE TO REMAIN AND CLEANED. REFER TO DETAIL 22/4.51 FOR REPLACEMENT OF EXISTING SCREWS IN MARBLE REPLACEMENT DETAIL

04 EXISTING WOOD TRIM TO REMAIN AND BE REFURBISHED

05 EXISTING PINE TRIM TO BE REMOVED, USED AS A PATTERN AND REPLACED WITH OAK TRIM TO MATCH EXISTING TRIM, TO BE STAINED TO MATCH NEW FINISH COLOR.

06 REMOVE EXISTING PAINT AND STAIN TO EXPOSE BARE WOOD.

07 REMOVE EXISTING HOLLOW METAL DOOR AND FRAME AND DISPOSE OFF SITE

08 EXISTING TRANSOM TO REMAIN AND BE REFURBISHED

09 REMOVE TRIM AND STORE FOR REINSTALLATION AND REFURBISHMENT, CONTRACTOR TO VERIFY WOOD SPECIES, IF WOOD USED IS OTHER THAN OAK REPLACE TRIM WITH OAK TRIM PIECES TO MATCH EXISTING. IF WOOD USED IS OTHER THAN OAK USE AS A PATTERN FOR NEW OAK TRIM.

10 REFER TO SHEET 4.60 FOR ADDITIONAL WINDOW RESTORATION INFORMATION

11 EXISTING WOOD DOORS, TRANSOM AND SURROUND TO REMAIN, TO BE REFURBISHED AND REFINISHED.

12 INSPECT ALL EXISTING WOOD DOORS AND MARK ALL PLACES THAT HAVE HOLES, CHIPPED SPLIT, BROKEN OR PREVIOUSLY PATCHED AND LEFT IN AN UNSIGHTLY CONDITION THAT NEED TO BE REPAIRED OR REPLACED. DOORS STORED ONSITE

13 SAND ALL DOORS DOWN TO ORIGINAL WOOD AND PREPARE TO RECEIVE NEW FINISH TO MATCH NEW FINISH COLOR.

14 WOOD TRIM, TRANSOM & SURROUND THAT HAVE BEEN REMOVED AND ARE STORED ONSITE FOR LATER REUSE. LOCATE, REFURBISH & REFINISH COORDINATE WITH ARCHITECT.

GENERAL NOTES:

IN ADDITION TO THE SHEETS LISTED BELOW REFER TO SPECIFICATIONS FOR MORE INFORMATION.

- REFER TO SHEET 4.39 FOR HISTORIC TREATMENT PROCEDURE NOTES & WOOD RESTORATION PROCEDURE NOTES.
- REFER TO SHEET 4.37 FOR COURTROOM RESTORATION NOTES.
- REFER TO SHEET 4.40 FOR INTERIOR PAINT REMOVAL NOTES.
- REFER TO FLOOR PLANS & SHEET 4.50 FOR DOOR REUSE LOCATIONS.
- INSPECT ALL TRIM, ANY SPECIES USED OTHER THAN OAK TO BE REPLACED WITH OAK FINISHED TO MATCH NEW FINISH COLOR.

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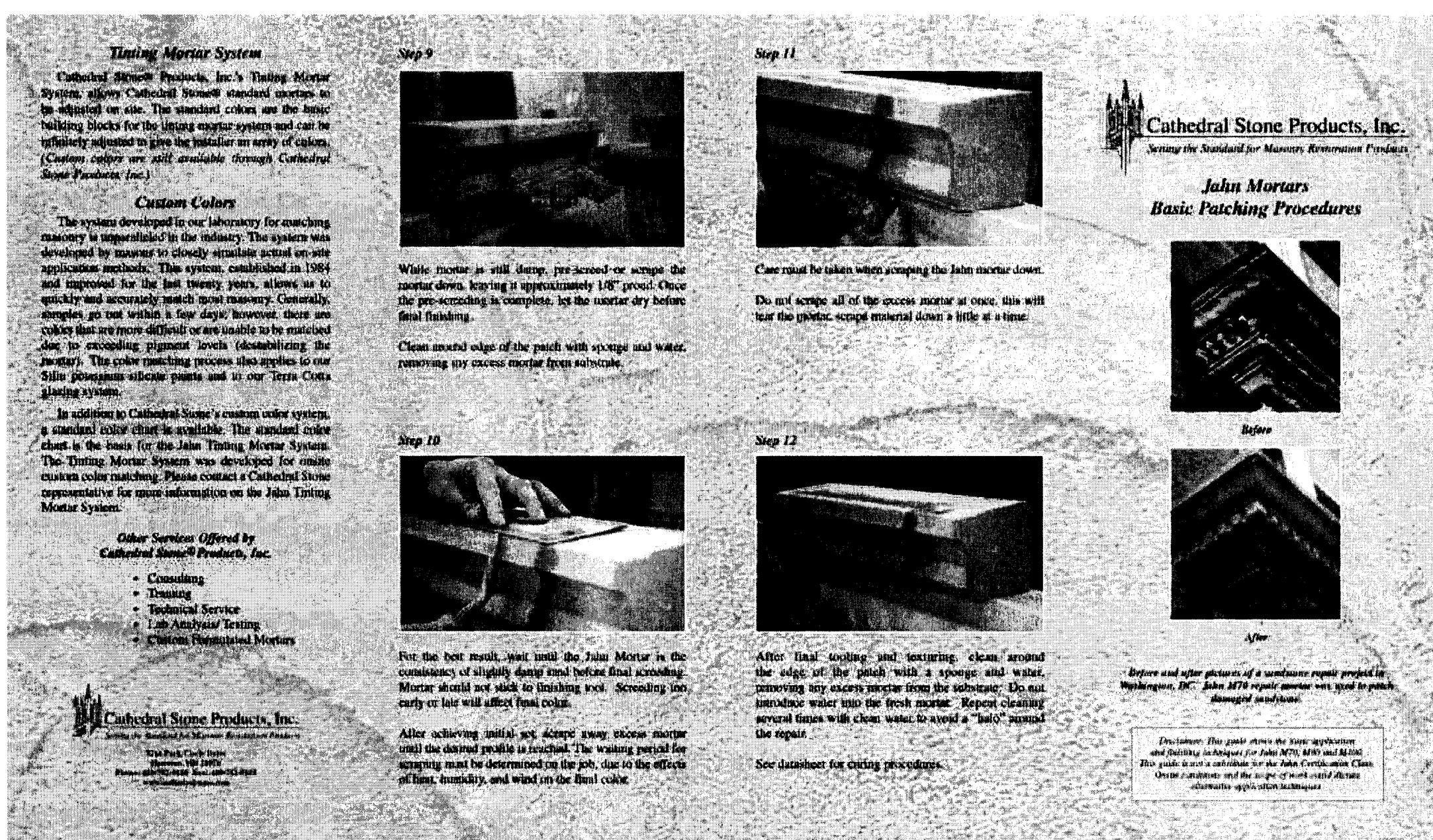
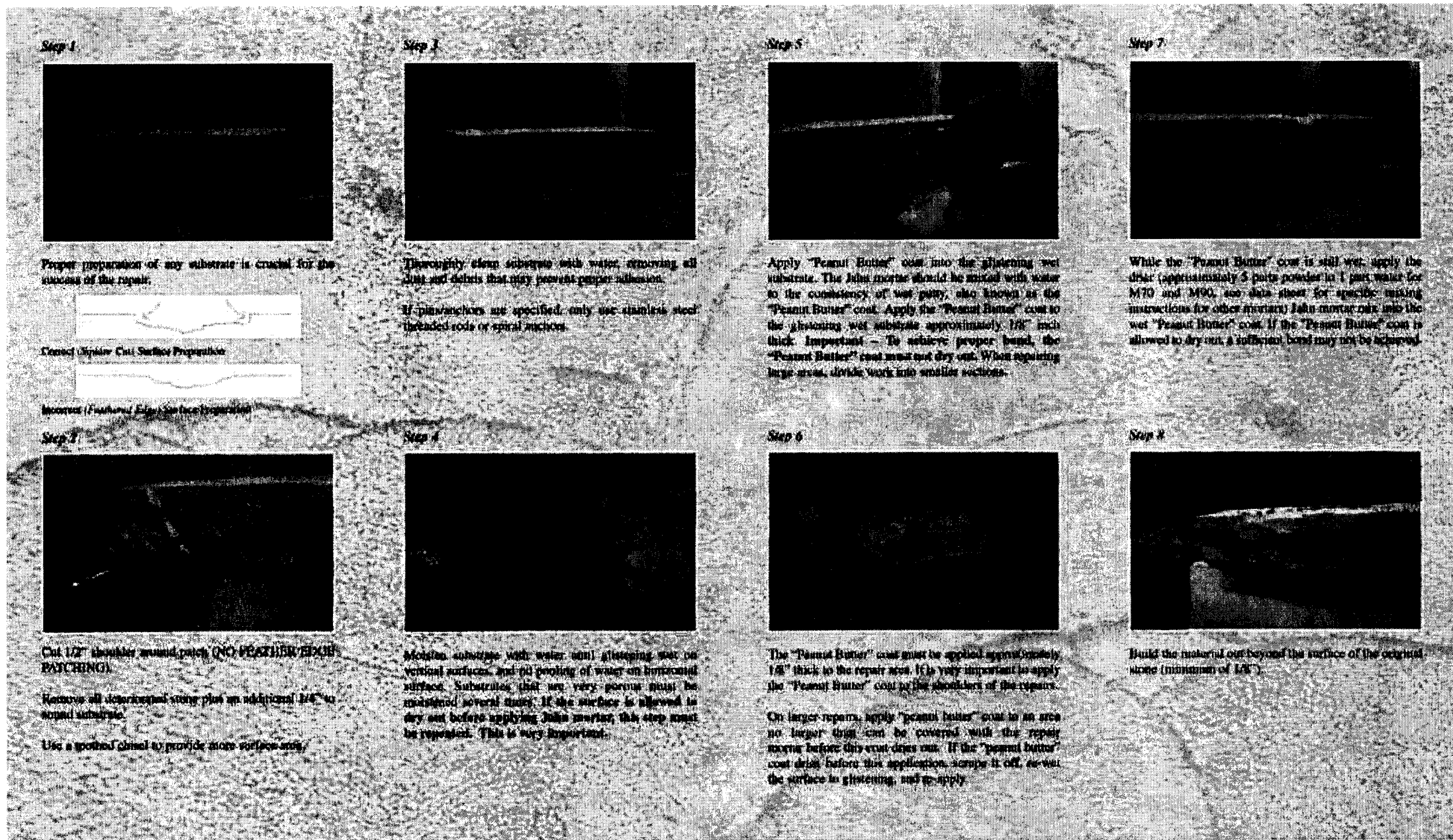
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

DOOR RESTORATION

sheet **4.38**

1668
JAMES CAMPBELL
REGISTERED ARCHITECT
SOUTH CAROLINA
7-10-15



HISTORIC TREATMENT PROCEDURE NOTES

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

STORAGE AND PROTECTION OF HISTORIC MATERIALS

- SALVAGED HISTORIC MATERIALS:
 - CLEAN ONLY LOOSE DEBRIS FROM SALVAGED HISTORIC ITEMS UNLESS MORE EXTENSIVE CLEANING IS INDICATED.
 - PACK OR CRATE ITEMS AFTER CLEANING; CUSHION AGAINST DAMAGE DURING HANDLING. LABEL CONTENTS OF CONTAINERS.
 - STORE ITEMS IN A SECURE AREA UNTIL DELIVERY TO OWNER.
 - TRANSPORT ITEMS TO OWNER'S STORAGE AREA DESIGNATED BY OWNER.
 - PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
- HISTORIC MATERIALS FOR REINSTALLATION:
 - REPAIR AND CLEAN HISTORIC ITEMS AS INDICATED AND TO FUNCTIONAL CONDITION FOR REUSE.
 - PACK OR CRATE ITEMS AFTER CLEANING AND REPAIRING; CUSHION AGAINST DAMAGE DURING HANDLING. LABEL CONTENTS OF CONTAINERS.
 - PROTECT ITEMS FROM DAMAGE DURING TRANSPORT AND STORAGE.
 - REINSTALL ITEMS IN LOCATIONS INDICATED. COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT UNLESS OTHERWISE INDICATED. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS TO MAKE ITEM FUNCTIONAL FOR USE INDICATED.
- EXISTING HISTORIC MATERIALS TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING FROM CONSTRUCTION WORK. WHERE PERMITTED BY ARCHITECT, ITEMS MAY BE DISMANTLED AND TAKEN TO A SUITABLE, PROTECTED STORAGE LOCATION DURING CONSTRUCTION WORK AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER HISTORIC TREATMENT AND CONSTRUCTION WORK IN THE VICINITY IS COMPLETE.
- STORAGE AND PROTECTION: WHEN TAKEN FROM THEIR EXISTING LOCATIONS, CATALOG AND STORE HISTORIC ITEMS WITHIN A WEATHERTIGHT ENCLOSURE WHERE THEY ARE PROTECTED FROM WETTING BY RAIN, SNOW, CONDENSATION, OR GROUND WATER, AND FROM FREEZING TEMPERATURES.
- IDENTIFY EACH ITEM WITH A NONPERMANENT MARK TO DOCUMENT ITS ORIGINAL LOCATION. INDICATE ORIGINAL LOCATIONS ON PLANS ELEVATIONS, SECTIONS, OR PHOTOGRAPHS BY ANNOTATING THE IDENTIFYING MARKS.
- SECURE STORED MATERIALS TO PROTECT FROM THEFT.

HISTORIC REMOVAL AND DISMANTLING SPECIALIST

HISTORIC REMOVAL AND DISMANTLING SPECIALIST FIRMS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, HAVE HISTORIC REMOVAL AND DISMANTLING PERFORMED BY ONE OF THE FOLLOWING FIRMS:

- SRM, INC.
SOUTHERN RESTORATION MAINTENANCE, INC.
3828 MIRIAM DRIVE
P O BOX 220833
CHARLOTTE, NC 28222
PHONE: 704/334-7663 FAX: 704/334-1663
E-MAIL: SRM.INCORP@GMAIL.COM
- WESTERN CONSTRUCTION GROUP
2500 ALLEN ROAD SOUTH
CHARLOTTE, NC 28269
PHONE: 704/598-5098
ATLANTA OFFICE:
3750 BROWN MILL ROAD SE
ATLANTA, GA 30354
PHONE: 678/553-0170
- CAPITAL RESTORATION & WATERPROOFING, INC.
2630 ROWLAND ROAD, SUITE 100
RALEIGH, NC 27615
PHONE: 919/878-0018 FAX: 919/878-0027
WWW.CCAPITALRESTORATION.COM
- CAROLINA RESTORATION & WATERPROOFING, INC. A.C.A LINDMAN COMPANY
POB 1007, CREEDMOOR, NC 27522
CHARLOTTE, NC PHONE: 704/561-7370
WWW.CRWOONLINE.COM
- STONE RESTORATION OF AMERICA
2601 WILKINSON BOULEVARD

CHARLOTTE NC 28208
PHONE: 704/697-9909 FAX: 704/697-0996
WWW.STONERESTORATIONOFAMERICA.COM JLK@STONERES.COM

6. MIRAJE RECONSTRUCTION & DEVELOPMENT
1081 BOULDER ROAD
GREENSBORO, NC 27409
PHONE: 336/420-4338
BRIAN@MIRAJERD.COM

GENERAL HISTORIC TREATMENT

- ENSURE THAT SUPERVISORY PERSONNEL ARE PRESENT WHEN HISTORIC TREATMENT WORK BEGINS AND DURING ITS PROGRESS.
- HALT THE PROCESS OF DETERIORATION AND STABILIZE CONDITIONS, UNLESS OTHERWISE INDICATED. PERFORM WORK AS INDICATED ON DRAWINGS. FOLLOW THE PROCEDURES IN SUBPARAGRAPHS BELOW AND PROCEDURES APPROVED IN HISTORIC TREATMENT PROGRAM.
 - RETAIN AS MUCH EXISTING MATERIAL AS POSSIBLE; REPAIR AND CONSOLIDATE RATHER THAN REPLACE.
 - USE ADDITIONAL MATERIAL OR STRUCTURE TO REINFORCE, STRENGTHEN, PROP, TIE, AND SUPPORT EXISTING MATERIAL OR STRUCTURE.
 - USE REVERSIBLE PROCESSES WHEREVER POSSIBLE.
 - USE HISTORICALLY ACCURATE REPAIR AND REPLACEMENT MATERIALS AND TECHNIQUES UNLESS OTHERWISE INDICATED.
 - RECORD EXISTING WORK BEFORE EACH PROCEDURE (PRECONSTRUCTION) AND PROGRESS DURING THE WORK WITH DIGITAL PRECONSTRUCTION DOCUMENTATION PHOTOGRAPHS OR VIDEOS. COMPLY WITH REQUIREMENTS IN DIVISION 01 SECTION "PHOTOGRAPHIC DOCUMENTATION."
- NOTIFY ARCHITECT OF VISIBLE CHANGES IN THE INTEGRITY OF MATERIAL OR COMPONENTS WHETHER DUE TO ENVIRONMENTAL CAUSES INCLUDING BIOLOGICAL ATTACK, UV DEGRADATION, FREEZING, OR THAWING; OR DUE TO STRUCTURAL DEFECTS INCLUDING CRACKS, MOVEMENT, OR DISTORTION.
 - DO NOT PROCEED WITH THE WORK IN QUESTION UNTIL DIRECTED BY ARCHITECT.
- WHERE MISSING FEATURES ARE INDICATED TO BE REPAIRED OR REPLACED, PROVIDE FEATURES WHOSE DESIGNS ARE BASED ON ACCURATE DUPLICATIONS RATHER THAN ON CONJECTURAL DESIGNS, SUBJECT TO THE APPROVAL OF ARCHITECT.
- WHERE WORK REQUIRES EXISTING FEATURES TO BE REMOVED OR DISMANTLED AND REINSTALLED, PERFORM THESE OPERATIONS WITHOUT DAMAGE TO THE MATERIAL ITSELF, TO ADJACENT MATERIALS, OR TO THE SUBSTRATE NOTIFY ARCHITECT FOR PRIOR APPROVAL.

HISTORIC REMOVAL AND DISMANTLING

- GENERAL: HAVE REMOVAL AND DISMANTLING WORK PERFORMED BY A QUALIFIED HISTORIC REMOVAL AND DISMANTLING SPECIALIST. ENSURE THAT HISTORIC REMOVAL AND DISMANTLING SPECIALIST'S FIELD SUPERVISORS ARE PRESENT WHEN REMOVAL AND DISMANTLING WORK BEGINS AND DURING ITS PROGRESS.
- PERFORM WORK IN ACCORDANCE WITH THE HISTORIC TREATMENT PROGRAM.
 - PROVIDE SUPPORTS OR REINFORCEMENT FOR EXISTING CONSTRUCTION THAT BECOMES TEMPORARILY WEAKENED BY THE WORK, UNTIL THE WORK IS COMPLETED.
 - PERFORM CUTTING BY HAND OR WITH SMALL POWER TOOLS WHEREVER POSSIBLE. CUT HOLES AND SLOTS NEATLY TO SIZE REQUIRED, WITH MINIMUM DISTURBANCE OF ADJACENT WORK.
 - DO NOT OPERATE AIR COMPRESSORS INSIDE BUILDING, UNLESS APPROVED BY ARCHITECT IN EACH CASE.
 - DO NOT DRILL OR CUT COLUMNS, BEAMS, JOINTS, GIRDERS, STRUCTURAL SLABS, OR OTHER STRUCTURAL SUPPORTING ELEMENTS, WITHOUT HAVING CONTRACTOR'S PROFESSIONAL ENGINEER'S WRITTEN APPROVAL FOR EACH LOCATION BEFORE SUCH WORK IS BEGUN.
 - DO NOT USE EXPLOSIVES.

WOOD RESTORATION PROCEDURE NOTES

REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

- STRIP ALL WOOD INCLUDING DOORS, DOOR FRAMES, WAINSCOTING, MOLDINGS, TRIM ORNATE MILLWORK, JUDGES BENCHES, ALL RAILS AT WELL AND JURY. STRIPS TO BAREWOOD, SAND SMOOTH AND PREPARE WOOD IN A SIMILAR SMOOTHNESS, TEXTURE AND PREPARE FOR A CONSISTENT SAME COLOR STAIN FINISH.
- THIS APPLIES TO ALL EXPOSED WOOD IN THE ENTIRE BUILDING INCLUDING ALL NEW WOOD.
- ALL NEW AND REPLACEMENT WOOD SHALL BE SLICED RED OAK.
- REPLACE ANY DAMAGED SPLIT, CHIPPED OR OTHERWISE MARRED WOOD.
- ALL EXISTING DOORS THAT HAVE BEEN MEDIA BLASTED SHALL BE RESURFACED BY SANDING BACK TO A SMOOTH FINISH.
- OAK DOORS SHALL BE REUSED. DOORS OF OTHER WOOD SPECIES SHALL BE EITHER STORED OR REUSED IN LOCATIONS AS DIRECTED BY THE ARCHITECT.
- NEW WOOD DOORS SHALL REPLICATE THE EXISTING OAK DOORS TO THE GREATEST EXTENT POSSIBLE.
- EXISTING OAK DOORS MUST BE REFURBISHED PRIOR TO REFINISHING. HOLES MUST BE PLUGGED HINGE CUTOUTS REPAIRED AND IN THE CASE OF DOOR SWING CHANGE BOTH THE DOOR AND FRAME CUTOUTS MUST BE REPAIRED.

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Project No.
1390

Date
07.10.2015
Drawn
GLM/KFP
Checked
JCS
Revisions

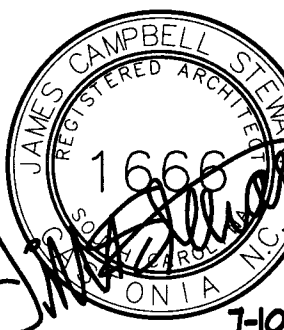
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
RESTORATION PROCEDURES

sheet **4.39**



P1 INTERIOR PAINT REMOVAL PHOTO 0022
NTS



P2 INTERIOR PAINT REMOVAL PHOTO 0023
NTS



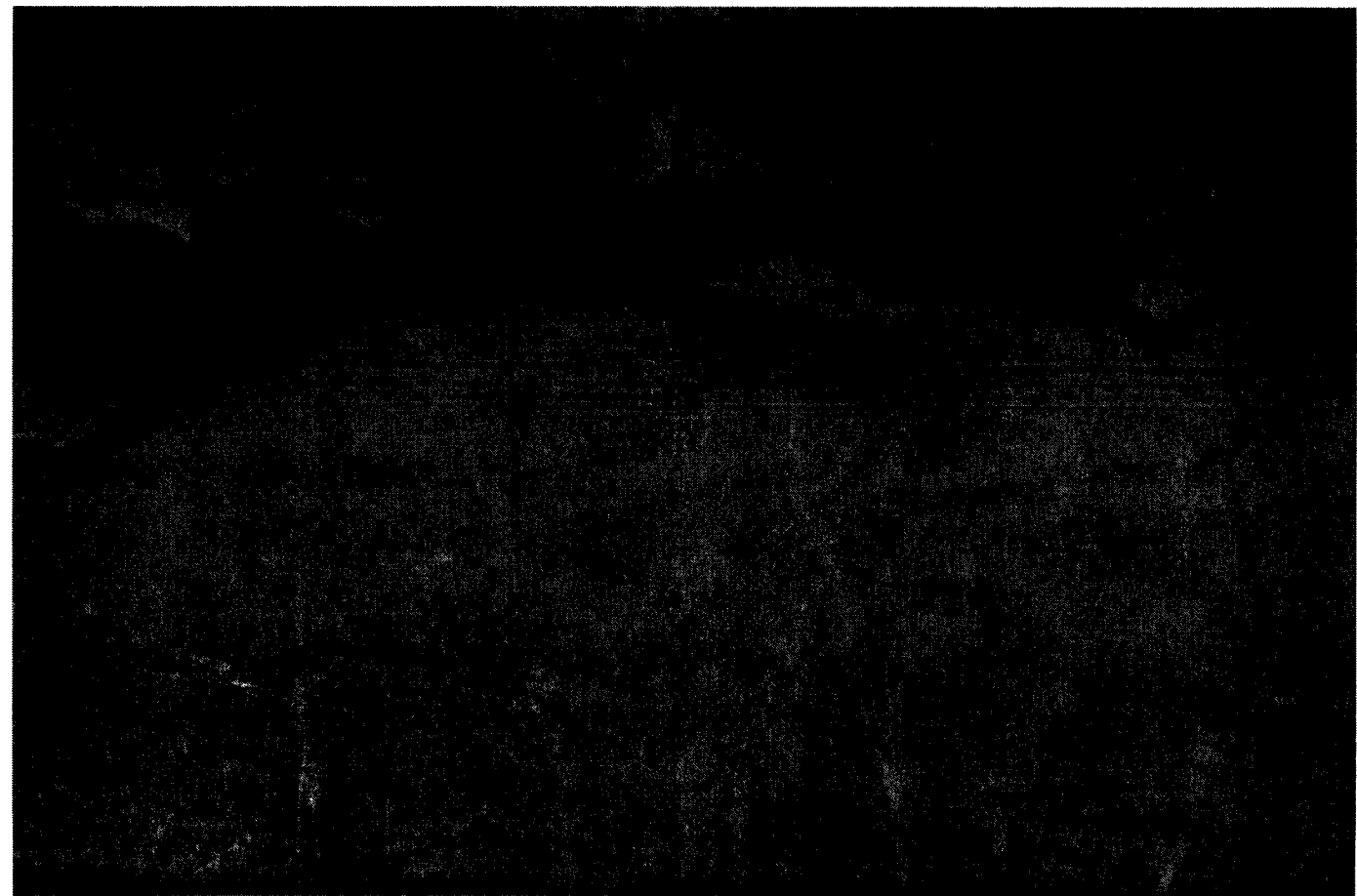
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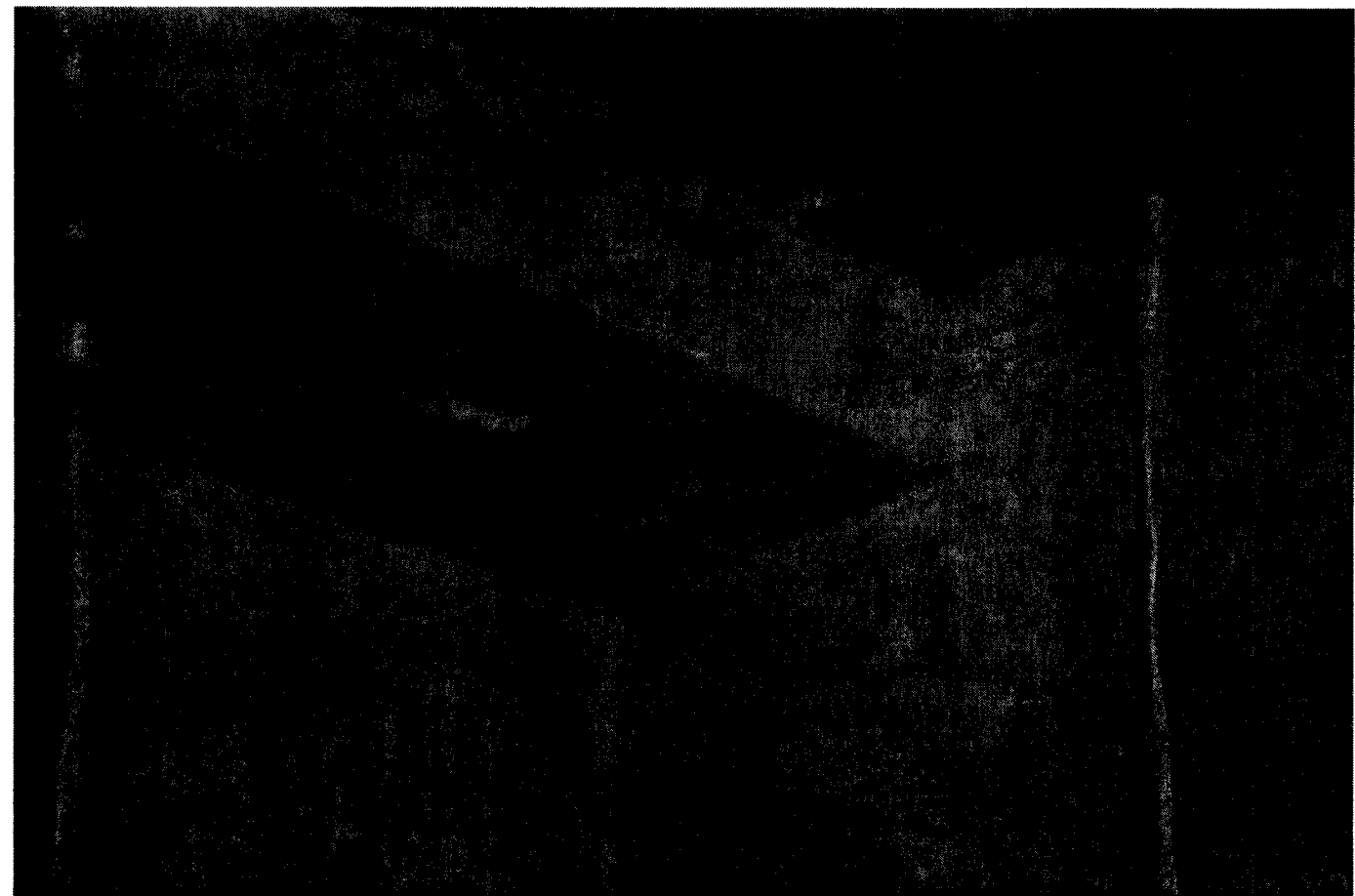
P4 INTERIOR PAINT REMOVAL PHOTO 0025
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P5 INTERIOR PAINT REMOVAL PHOTO 0026
NTS



P6 INTERIOR PAINT REMOVAL PHOTO 0056
NTS



P7 INTERIOR PAINT REMOVAL PHOTO 0057
NTS

IMPORTANT NOTES:
ALL PHOTOS SHOWN ON THIS SHEET
ARE FOR INFORMATIONAL PURPOSES.

INTERIOR PAINT REMOVAL NOTES

REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

QUALITY ASSURANCE

1. PAINT REMOVER MANUFACTURER QUALIFICATIONS: A FIRM REGULARLY ENGAGED IN PRODUCING PAINT REMOVERS THAT HAVE BEEN USED FOR SIMILAR HISTORIC PAINTING APPLICATIONS WITH SUCCESSFUL RESULTS, AND WITH FACTORY-TRAINED REPRESENTATIVES WHO ARE AVAILABLE FOR CONSULTATION AND PROJECT-SITE INSPECTION AND ASSISTANCE AT NO ADDITIONAL COST. (PROVIDE SUBMITTAL)
2. BEFORE PROCEEDING WITH FULL SCALE PAINT REMOVAL, TEST AREAS WHERE INDICATED BY THE ARCHITECT AND THE OWNER'S REPRESENTATIVE.
3. TESTING IS REQUIRED FOR ALL PRODUCTS ON ALL SURFACES AND SHALL INCLUDE, BUT NOT BE LIMITED TO, PLASTER, WOOD, METAL, TILE, MASONRY AND STONE.
4. PAINT REMOVAL METHODS, MATERIALS AND RESULTS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.

HISTORIC TREATMENT PROCEDURES, GENERAL

1. COMPLY WITH EACH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PROTECTING BUILDING AND OTHER SURFACES AGAINST DAMAGE FROM EXPOSURE TO ITS PRODUCTS. PREVENT CHEMICAL SOLUTIONS FROM COMING INTO CONTACT WITH PEOPLE, MOTOR VEHICLES, LANDSCAPING, BUILDINGS, AND OTHER SURFACES THAT COULD BE HARMED BY SUCH CONTACT.
 - A. COVER ADJACENT SURFACES WITH MATERIALS THAT ARE PROVEN TO RESIST CHEMICAL SOLUTIONS BEING USED UNLESS THE SOLUTIONS WILL NOT DAMAGE ADJACENT SURFACES. USE PROTECTIVE MATERIALS THAT ARE UV RESISTANT AND WATERPROOF. APPLY MASKING AGENTS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. DO NOT APPLY LIQUID MASKING AGENT TO PAINTED OR POROUS SURFACES. WHEN NO LONGER NEEDED, PROMPTLY REMOVE MASKING TO PREVENT ADHESIVE STAINING.
 - B. DO NOT APPLY CHEMICAL SOLUTIONS DURING WINDS OF SUFFICIENT FORCE TO SPREAD THEM TO UNPROTECTED SURFACES.
 - C. NEUTRALIZE AND COLLECT ALKALINE AND ACID WASTES BEFORE DISPOSAL.
 - D. DISPOSE OF RUNOFF FROM OPERATIONS BY LEGAL MEANS AND IN A MANNER THAT PREVENTS SOIL EROSION, UNDERMINING OF PAVING AND FOUNDATIONS, DAMAGE TO LANDSCAPING, AND WATER PENETRATION INTO BUILDING INTERIORS.
 - E. USE REVERSIBLE PROCESSES WHEREVER POSSIBLE.
 - F. INSTALL TEMPORARY PROTECTIVE MEASURES TO PROTECT HISTORIC PAINTED SURFACES THAT ARE INDICATED TO BE TREATED LATER.

EXAMINATION

1. EXAMINE SUBSTRATES AND CONDITIONS, WITH HISTORIC TREATMENT SPECIALIST PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE PAINTING WORK. COMPLY WITH PAINT MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSPECTION.

PREPARATION

1. GENERAL: PROTECT PERSONS, MOTOR VEHICLES, BUILDING SITE, PLANTS, SURROUNDING SURFACES OF BUILDING BEING WORKED ON, AND SURROUNDING BUILDINGS FROM HARM RESULTING FROM HISTORIC TREATMENT OF PAINTING.
 - A. ERECT TEMPORARY PROTECTIVE COVERS OVER WALKWAYS AND AT POINTS OF PEDESTRIAN AND VEHICULAR ENTRANCE AND EXIT THAT MUST REMAIN IN SERVICE DURING COURSE OF HISTORIC TREATMENT WORK.

CLEANING

1. RETAIN CLEANING METHODS IN THIS ARTICLE TO SUIT PROJECT; CONSULT ARCHITECT AND OWNER'S REPRESENTATIVE BEFORE RETAINING OR INSERTING OTHER METHODS.
 - A. GENERAL: USE ONLY THE GENTLEST, APPROPRIATE METHOD NECESSARY TO CLEAN SURFACES IN PREPARATION FOR PAINTING. CLEAN ALL SURFACES, CORNERS, CONTOURS, AND INTERSTICES.

PAINT REMOVAL

1. GENERAL: REMOVE PAINT WHERE INDICATED. WHERE CLEANING METHODS HAVE BEEN ATTEMPTED AND FURTHER REMOVAL OF THE PAINT IS REQUIRED BECAUSE OF INCOMPATIBLE OR UNSATISFACTORY SURFACES FOR REPAINTING, REMOVE PAINT TO EXTENT REQUIRED BY CONDITIONS.

SUBSTRATE REPAIR

1. GENERAL: REPAIR SUBSTRATE SURFACE DEFECTS THAT ARE INCONSISTENT WITH THE SURFACE APPEARANCE OF ADJACENT MATERIALS AND FINISHES.
2. WOOD SUBSTRATE:
 - A. REPAIR WOOD DEFECTS INCLUDING DENTS AND GOUGES MORE THAN 1/8 INCH (3 MM) HOLES AND CRACKS BY FILLING WITH WOOD PATCHING COMPOUND AND SANDING SMOOTH. RESET OR REMOVE PROTRUDING FASTENERS.
 2. WHERE EXISTING PAINT IS ALLOWED TO REMAIN, SAND IRREGULAR BUILDUP OF PAINT, RUNS, AND SAGS TO ACHIEVE A UNIFORMLY SMOOTH SURFACE.
3. CEMENTITIOUS MATERIAL SUBSTRATE:
 - A. GENERAL: REPAIR DEFECTS INCLUDING DENTS AND CHIPS MORE THAN 1/4 INCH (6 MM) IN SIZE AND ALL HOLES AND CRACKS BY FILLING WITH CEMENTITIOUS PATCHING COMPOUND AND SANDING SMOOTH. REMOVE PROTRUDING FASTENERS.
 - B. NEW AND BARE PLASTER: NEUTRALIZE SURFACE OF PLASTER WITH MILD ACID SOLUTION AS RECOMMENDED BY PAINT MANUFACTURER. IN LIEU OF ACID NEUTRALIZATION, FOLLOW MANUFACTURER'S WRITTEN INSTRUCTION FOR PRIMER OR TRANSITION COAT OVER ALKALINE PLASTER SURFACES.
 - C. CONCRETE, CEMENT PLASTER, AND OTHER CEMENTITIOUS PRODUCTS: REMOVE EFFLORESCENCE, CHALK, DUST, DIRT, GREASE, OILS, AND RELEASE AGENTS. IF SURFACES ARE TOO ALKALINE TO PAINT, CORRECT THIS CONDITION BEFORE PAINTING.
 - D. GYPSUM-PLASTER:
 1. REPAIR DEFECTS INCLUDING DENTS AND CHIPS MORE THAN 1/8 INCH (3 MM) IN SIZE AND ALL HOLES AND CRACKS BY FILLING WITH GYPSUM-PLASTER PATCHING COMPOUND AND SANDING SMOOTH.

REMOVE PROTRUDING FASTENERS.

2. ROUT OUT SURFACE CRACKS TO REMOVE LOOSE, UNSOUND MATERIAL; FILL WITH PATCHING COMPOUND AND SAND SMOOTH.
3. SEE SECTION 092105 GYPSUM PLASTER RESTORATION.

E. METAL SUBSTRATE:

1. GENERAL: REPAIR DEFECTS INCLUDING DENTS AND GOUGES MORE THAN 1/16 INCH (6 MM) DEEP OR 1/2 INCH (13 MM) ACROSS AND ALL HOLES AND CRACKS BY FILLING WITH METAL PATCHING COMPOUND AND SANDING SMOOTH. REMOVE BURRS AND PROTRUDING FASTENERS.
2. PREPARE REPAIR LOCATIONS BY WIRE-BRUSHING AND SOLVENT CLEANING. USE CHEMICAL OR MECHANICAL RUST REMOVAL METHOD TO CLEAN OFF RUST.
3. PRIME IRON AND STEEL SURFACES IMMEDIATELY AFTER REPAIR TO PREVENT FLASH RUSTING. STRIPE PAINT CORNERS, CREVICES, BOLTS, WELDS, AND SHARP EDGES. APPLY TWO COATS TO SURFACES THAT WILL BE INACCESSIBLE AFTER COMPLETION OF THE WORK.

GENERAL NOTES:

- IN ADDITION TO THE SHEETS LISTED BELOW REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
1. REFER TO SHEET 4.39 FOR HISTORIC TREATMENT PROCEDURE NOTES.
 2. REFER TO SHEET 4.37 FOR COURTROOM RESTORATION NOTES.

NOTE

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Revisions

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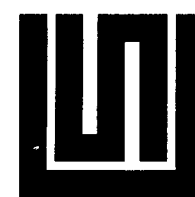
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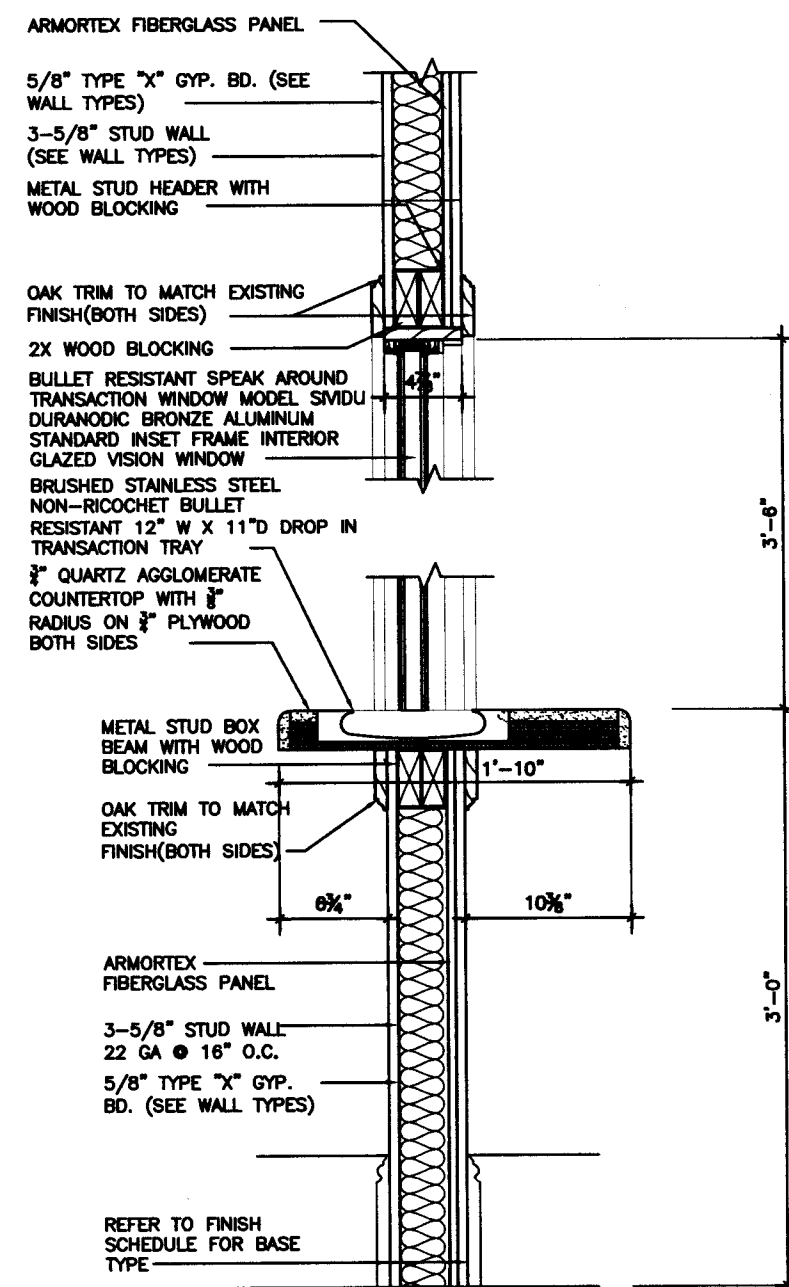
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

INTERIOR PAINT REMOVAL

sheet

4.40

See Stewart provided 7/20/16



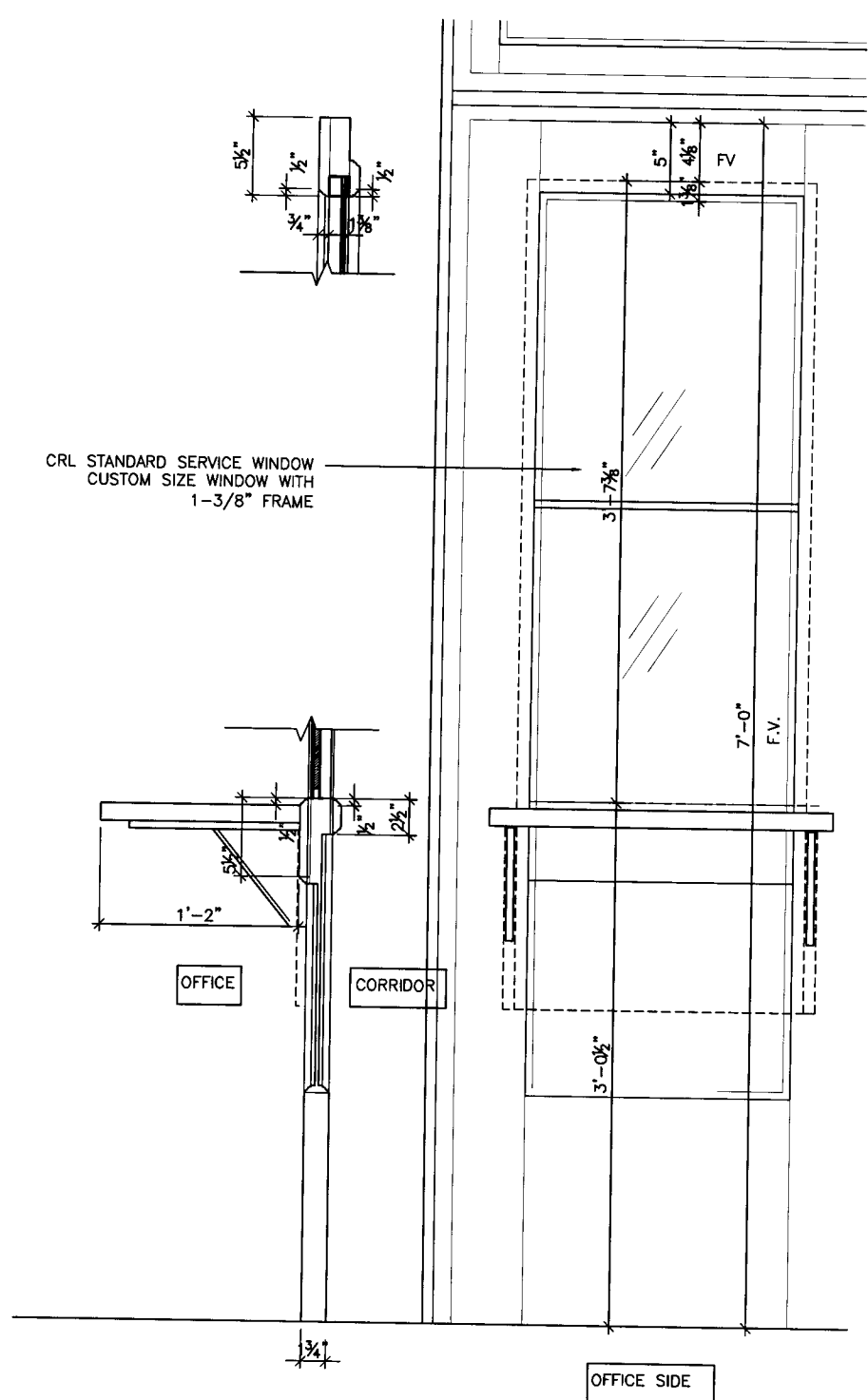
SECTION AT PUBLIC COMPUTERS TRANSACTION WINDOW

SCALE: NTS

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		SECURITY PASS	06.27.16
YORK COUNTY COURTHOUSE YORK, SOUTH CAROLINA	ARCHITECTURAL CLARIFICATION DRAWING	CLR-3a	

York Courthouse Door Schedule		
Revisions based on door revisions dated 4/5/16		
Room Number	Door Type	Frame Type
100A/100B	HM	HM
101A	HM	HM
106B	Wood/Full Glazing	HM
106C	Wood/6\"	HM
107A	Wood/Half Glazing	HM
109A	Solid Wood	HM
104A	Solid Wood	HM
102B	Solid Wood	HM
103A	Solid Wood	HM
112A	Solid Wood	Wood
113A	Solid Wood	HM
114A	Solid Wood	HM
115A	Solid Wood	HM
102A	Solid Wood	Wood
117A	Solid Wood	Wood
142A	Wood/Full Glazing	Wood
121A/119	Wood/Full Glazing	Wood
141A	Solid Wood	Wood
121B	Solid Wood	Wood
139A	Solid Wood	HM
138A	Solid Wood	HM
123A	Refurbish	
124A	Wood/Full Glazing	Wood
135	Solid Wood	HM
130A	Solid Wood	HM
127A	Solid Wood	HM
128A	Wood/Full Glazing	HM
129A	HM	HM
132A	HM	HM
134A	HM	HM
134B	HM	HM
131A	HM	Existing
132A	HM	HM
133A	Solid Wood	HM
116A	Wood/Full Glazing	Wood
200A	Refurbish	Existing
203A	Wood/Half Glazing	HM
203B	Solid Wood	HM
206A	Solid Wood	HM
244A	Solid Wood	Wood
243A	Solid Wood	Wood
242A	Solid Wood	HM
240A	Solid Wood	HM
241A	Solid Wood	HM
207A	Solid Wood	Wood/Transom Above
207B	Solid Wood	HM
239A	Wood/Half Glazing	Wood/Transom Above
238A	Wood/Half Glazing	Wood/Transom Above

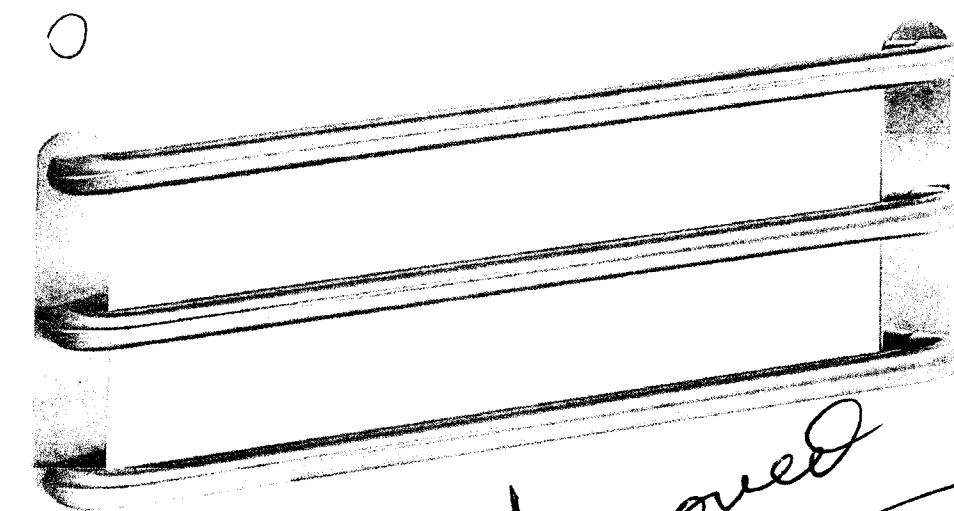
316A	Solid Wood	Wood/Transom Above
317A	Solid Wood	Wood/Transom Above
319A	Solid Wood	HM
311G	Solid Wood	HM
331A	Solid Wood	HM
401A	Solid Wood	Existing
401B	HM	HM
402A	Solid Wood	Existing
403A	Solid Wood	Existing
405B	Solid Wood	Existing
405A	Solid Wood	Existing
404A	Solid Wood	Existing
404B	HM	HM
404C	Solid Wood	Existing



Architectural Accessories & Door Trim

ROCKWOOD

BP47-3 - Series 47 Push Bar



Specifications:

MATERIAL:
Aluminum, Brass, Bronze, or Stainless Steel

MOUNTINGS:

- Metal and wood door: type 1, 1/4 - 20 x 2 1/4 thru bolt and finish washer (standard 1 3/4\"
- Metal door: type 2, surface, #8 - 32 x 3/4\"
- Wood door: type 2, surface, #8 x 3/4\"
- Metal door: type 6, concealed, 1/4 - 20 CH MS x 1 1/2\"

ORDERING:

Specify CTC, handing, door type, and finish

OPTIONS:

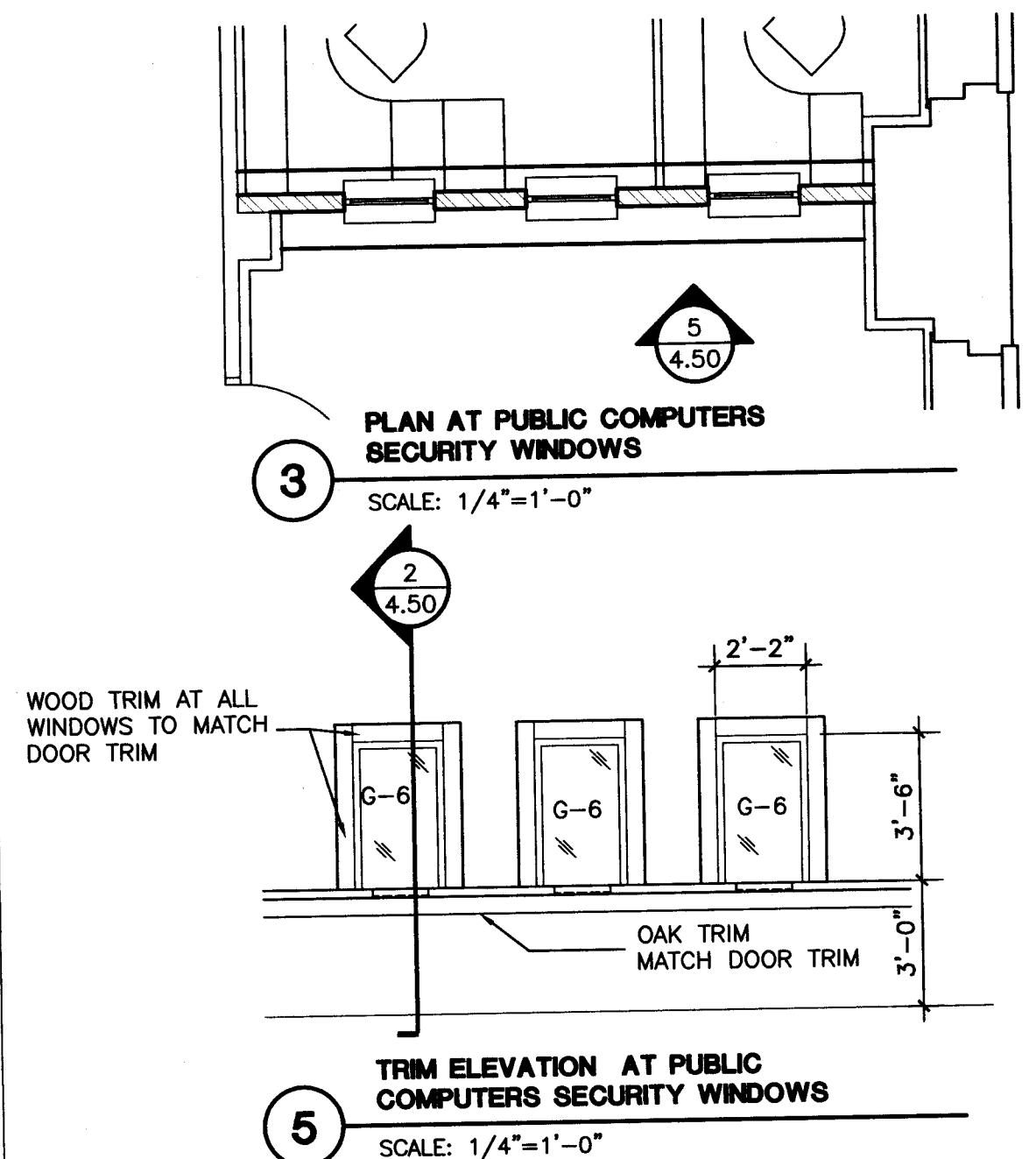
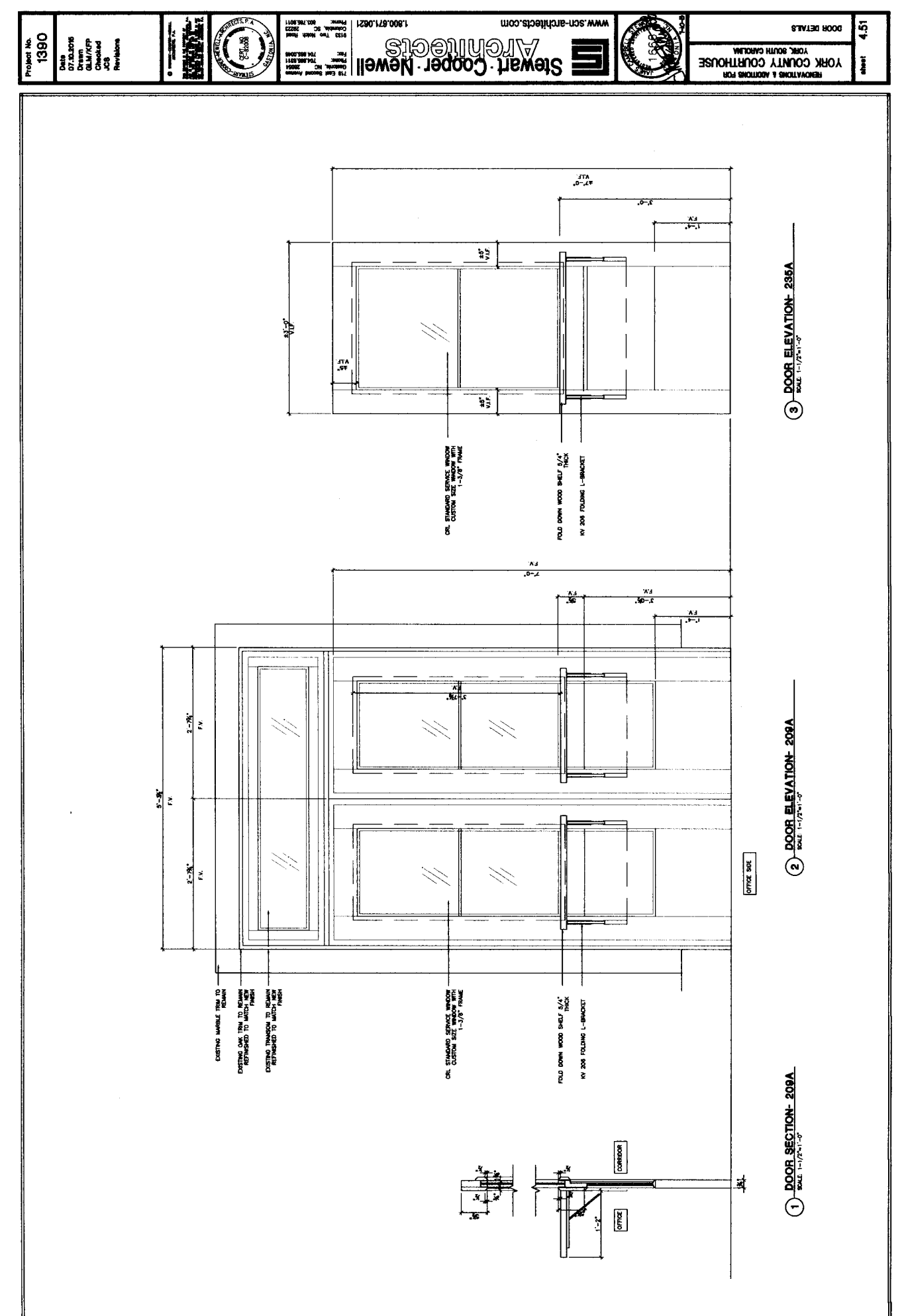
- Engraving "PUSH" or "PULL" (specify handing)
- Heavy duty versions of most fastening types available — use suffix HD to fastening type number (BP47-3 Type 6HD)
- Advise if door thickness is other than 1 3/4\"

ROCKWOOD Manufacturing Company
Rockwood, Pennsylvania 15557

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CS-BP47-3 11/15



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		SECURITY PASS	06.27.16
YORK COUNTY COURTHOUSE YORK, SOUTH CAROLINA	ARCHITECTURAL CLARIFICATION DRAWING	CLR-3b	

The drawings show the following details:

- First Floor Corridor Security Doors:**
 - Two single doors (F-1, F-2) with dimensions: 25" door width, 7'-0" height, 7'-4" width.
 - A set of four double doors (F-3) with dimensions: 25" door width, 7'-0" height, 7'-2" width, 8" gap, 5'-11 1/4" height, 10 3/4" gap, ±9'-10" V.I.F., ±7'-8" V.I.F.
- Second Floor Corridor Security Doors:**
 - A set of four double doors (F-4) with dimensions: 1'-9 1/4" height, 4" gap, 5'-11 1/4" height, 10 3/4" gap, ±9'-10" V.I.F., ±7'-8" V.I.F.
- Windows:**
 - Door 106A (F-5) with dimensions: 25" door width, 7'-0" height, 7'-2" width, ±9'-6" V.I.F., ±8'-4" V.I.F.
 - Security Window 30x42 Speakeraround w/ 18" Shelf S11W18 (F-6) with dimensions: 25" door width, 7'-0" height, 7'-2" width, ±9'-6" V.I.F., ±8'-4" V.I.F.
 - Hollow Metal Frame (F-7) with dimensions: 25" door width, 7'-0" height, 7'-2" width, ±9'-6" V.I.F., ±8'-4" V.I.F.
 - Reused Wood Frame (F-8) with dimensions: 25" door width, 7'-0" height, 7'-2" width, ±9'-6" V.I.F., ±8'-4" V.I.F.
 - Hollow Metal Frame (F-9) with dimensions: 25" door width, 7'-0" height, 7'-2" width, ±9'-6" V.I.F., ±8'-4" V.I.F.

[illegible]

DOOR NOTES: 1. REFER TO FINISH DRAWINGS FOR ALL DOOR THRESHOLDS AND TRANSITION OF FLOOR MATERIALS. 2. PROVIDE LOCK GUARD FOR ALL EXTERIOR HOLLOW METAL DOORS.(HARDWARE ALLOWANCE) 3. PROVIDE SWEEPS AT ALL EXTERIOR DOORS. (HARDWARE ALLOWANCE) 4. PROVIDE THRESHOLD FOR ALL EXTERIOR DOORS. (HARDWARE ALLOWANCE) 5. PROVIDE RATED HARDWARE AS REQUIRED FOR ALL 60 MIN RATED DOORS. 6. ALL WOOD DOORS GRAIN TO MATCH AND COLOR SHADE TO BE CONSISTENT IN APPEARANCE. 7. REFER TO FINISH DRAWINGS FOR DOOR COLOR AND FINISH. 8. PROVIDE STOPS FOR ALL DOORS. PROVIDE OVERHEAD STOP WHERE WALL OR FLOOR STOP IS NOT APPLICABLE. 9. WHEN SUBMITTING HARDWARE SHOP DRAWINGS, SUPPLIER TO FURNISH CUT SHEETS. 10. VERIFY ALL EXISTING OPENINGS IN FIELD.					
INSTALL NUMBER	FRAME TYPE	HEAD	JAMB	THRESHOLD /SILL	REMARKS
1	F-2	9/4.51	10/4.51	NOTE 1	MARBLE TRIM
2	F-2	5/4.51	6/4.51	NOTE 1	
3	F-2	12/4.51	13/4.51	NOTE 1	WOOD TRIM
4	F-5	1/4.51	2/4.51	BRONZE THRESHOLD	JAMB DETAIL 16/4.51
5	F-2	14/4.51	15/4.51	NOTE 1	--
5A	F-2	14A/4.51	15/4.51	NOTE 1	--
6	ETR*	17/4.51	18/4.51	NOTE 1	FRAME ONLY @ 116A (NO DOOR)
6A	**	17/4.51	18/4.51	NOTE 1	**NEW WOOD FRAME TO MATCH EXISTING OAK FRAME OR REUSE EXISTING FRAME FROM SALVAGED STOCK
7	F-2	3/4.51	4/4.51	NOTE 1	--
8	ETR*	ETR*	ETR*	NOTE 1	REFURBISH & REFINISH TO MATCH EXISTING TRIM PATTERN AND NEW FINISH COLOR. EXISTING METAL FRAME @ 24GA & 123A REFER TO P12/4.35A
9	F-3	19/4.51	20/4.51	NOTE 1	TRANSOM DETAIL 21/4.51, HIGH JAMB DETAIL 20A/4.51
10	F-2	1/4.52	2/4.52	NOTE 1	--
11	F-2	3/4.52	4/4.52	NOTE 1	--
12	F-2	5/4.52	6/4.52	NOTE 1	--
13	F-2	7/4.52	8/4.52	NOTE 1	--
14	F-2	9/4.52	10/4.52	NOTE 1	--
15	F-2	12/4.52	13/4.52	NOTE 1	--
16	F-5	12/4.52	13/4.52	NOTE 1	--
17	ETR*	14/4.52	15/4.52	NOTE 1	--
18	ETR*	16/4.52	17/4.52	NOTE 1	--
19	F-5	23/4.51	16/4.51	NOTE 1	CUSTOM DOOR & FRAME HEIGHT V.I.F.
20	F-7	20/4.52	21/4.52	V.I.F.	CUSTOM DOOR & FRAME HEIGHT V.I.F.(COOR. W/ ARCH.)
21	ETR*	22/4.52	23/4.52	NOTE 1	*REUSE SALVAGED FRAME FROM THIS AREA
22	ETR*	7/4.51	8/4.51	NOTE 1	AT DOOR 209B REMOVE PANELING PRIOR TO INSTALLING NEW FURRING & TRIM REFER TO P7/4.35A
23	F-2	24/4.52	25/4.52	NOTE 1	--
24	F-5	2/4.50	--	NOTE 1	SECURITY WINDOWS
25	F-1	26/4.52	27/4.52	NOTE 1	--
26	F-2	18/4.52	19/4.52	NOTE 1	--
27	F-9	19/4.51	20/4.51	NOTE 1	HIGH JAMB DETAIL 20A/4.51

GLASS SCHEDULE		THE FOLLOWING SCHEDULE OF GLASS TYPES SHALL NOT BE DEEMED ALL INCLUSIVE. PROVIDE ANY OTHER ITEMS OF GLASS NOT LISTED HEREIN OR SHOWN ON THE DRAWINGS AS REQUIRED FOR A COMPLETE PROJECT. GLASS IS DESIGNED BY "G-" NUMBERS AS SHOWN ON THE DOOR ELEVATIONS.
GLASS TYPE	GLASS SPECIFICATIONS	
G-1	$\frac{3}{8}$ " THICK ONE LITE IG WITH LOE2-270, ARGON FILLED (NEW EXTERIOR WINDOWS REFER TO SPECIFICATION SECTION 085203)	
G-2	$\frac{1}{2}$ " LOW-E CLEAR INSULATING GLASS WITH $\frac{3}{8}$ " SITE LINE (HISTORIC TREATMENT OF WOOD WINDOWS REFER TO SPECIFICATION SECTION 080152.93)	
G-3	1 $\frac{1}{4}$ " THICK, CLEAR, TEMPERED, POLISHED PLATE GLASS AS MANUFACTURED BY PPG INDUSTRIES.	
G-4	DOOR MANUF.'S STANDARD INSUL. GLASS TEMPERED, LOW-E. CLEAR	
G-5	NOT USED	
G-6	$\frac{3}{8}$ " POLYCARBONATE GLAZING (REFER TO SPECIFICATION SECTION 08801)	

GLASS NOTES:
1. ALL INTERIOR GLASS TO BE CLEAR UNLESS NOTED OTHERWISE.
2. ALL EXTERIOR GLASS TO BE CLEAR & LOW-E.

IMPORTANT NOTE:
GENERAL CONTRACTOR TO SORT THE EXISTING DOORS
STORED ON SITE AND DETERMINE THE LOCATION OF
EACH.

1 SCALE: 1-1/2"=1'-0"

SCALE: 1-1/2"=1'-0"

IN ADDITION TO THE SHEETS LISTED BELOW REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION:
1. REFER TO SHEET 4.39 HISTORIC TREATMENT PROCEDURE NOTES & WOOD RESTORATION PROCEDURE NOTES.
2. REFER TO SHEET 4.37 FOR COURTROOM RESTORATION NOTES.
3. REFER TO SHEET 4.40 FOR INTERIOR PAINT REMOVAL NOTES.
4. REFER TO FLOOR PLANS & 4.70 FOR DOOR REUSE LOCATIONS.
5. REFER TO SHEET 4.38 FOR DOOR RESTORATION NOTES.

5
4.50

PLAN AT PUBLIC COMPUTERS
SECURITY WINDOWS

3

SCALE: $1/4"=1'-0"$

2
4.50

5" WOOD TRIM
TO FINISH TO
MATCH EXISTING
WOOD TRIM

NOT USED

G-6

5"

G-6

5"

G-6

OAK TRIM

3'-0"

4

DOOR TRIM ELEVATION AT
CORRIDOR TRANSACTION WINDOWS

SCALE: $1/4"=1'-0"$

5

TRIM ELEVATION AT PUBLIC
COMPUTERS SECURITY WINDOWS

SCALE: $1/4"=1'-0"$

1. ALL HOLLOW METAL DOORS TO BE HEAVY DUTY, (PAINT) 1-3/4" HOLLOW METAL w/ CLOSED TOP & BOTTOM (SEE SPECS FOR GAUGE).

2. ALL HOLLOW METAL DOOR FRAMES TO BE COLD ROLLED GALVANIZED STEEL (SEE SPECS FOR GAUGE).

3. ALL HOLLOW METAL DOORS & FRAMES TO BE PAINTED.

4. ALL METAL FRAMES, DOORS & HARDWARE TO BE INSTALLED IN STRICT ACCORDANCE w/ MANUFACTURERS WRITTEN INSTRUCTIONS.

5. ALL EXTERIOR HARDWARE IS TO BE WEATHER RESISTANT.

6. PAINT TOP & BOTTOM OF ALL HOLLOW METAL DOORS.

7. DOOR TAG LEGEND:

8. KEYING IS TO BE DETERMINED BY THE OWNER & COORDINATED BY G.C.

DOOR NUMBER

DOOR TYPE

DOOR FRAME INSTALLATION

HARDWARE GROUP NUMBER
(ALLOWANCE SEE SPECS.)

DOOR DESIGNATION KEY
SHOWN ON FLOOR PLAN

ALL DOORS SHOWN ON FLOOR PLANS WITH DESIGNATION "ETR" HERE ARE TO COME FROM THE SALVAGED DOOR STOCK SHOWN ON SITE

- BACKGROUND & LETTER COLOR SAMPLES SHALL BE SUBMITTED BY THE CONTRACTOR & SELECTED BY THE ARCHITECT/OWNER.
- ALL DOOR SIGNS ARE TO HAVE BRAILLE INSCRIPTIONS, LETTERS, NUMERALS, AND CARICATURES THAT ARE RAISED 1/32" MINIMUM. FONT TYPE IS TO BE HELVETICA MEDIUM UNLESS NOTED OTHERWISE.
- MOUNT ALL DOOR SIGNS AT 60" ABOVE FINISH FLOOR TO THE CENTER OF THE SIGN, & 3" FROM THE EDGE OF THE DOOR JAMB. INSTALL DOOR SIGN ON THE WALL ADJACENT TO THE DOOR LATCH UNLESS OTHERWISE NOTED. CONSULT THE ARCHITECT WHEN NO ADJACENT WALL SPACE IS AVAILABLE.
- MOUNT SIGNS ON SURFACES WITH VINYL PRESSURE SENSITIVE FOAM TAPE & (4) CHROME PLATED PHILLIPS HEAD SCREWS ON EACH SIGN.

1" HIGH UPPER CASE

1/8" THICK LAMINATED PLASTIC BACKGROUND

INTERNATIONAL SYMBOL FOR HANDICAPPED ACCESSIBILITY

60"

8 3/4"

6"

1"

1/2"

2"

OFFICE

OFFICE INSCRIPTION IN GRADE 2 BRAILLE

1/8" THICK LAMINATED PLASTIC BACKGROUND

MALE CARICATURE

1" HIGH UPPER CASE

1/8" THICK LAMINATED PLASTIC BACKGROUND

INTERNATIONAL SYMBOL FOR HANDICAPPED ACCESSIBILITY

60"

8 3/4"

6"

1"

1/2"

2"

MEN

MEN INSCRIPTION IN GRADE 2 BRAILLE

1" HIGH UPPER CASE

1/8" THICK LAMINATED PLASTIC BACKGROUND

INTERNATIONAL SYMBOL FOR HANDICAPPED ACCESSIBILITY

60"

8 3/4"

6"

1"

1/2"

2"

WOMEN

WOMEN INSCRIPTION IN GRADE 2 BRAILLE

1" HIGH UPPER CASE

1/8" THICK LAMINATED PLASTIC BACKGROUND

INTERNATIONAL SYMBOL FOR HANDICAPPED ACCESSIBILITY

60"

8 3/4"

6"

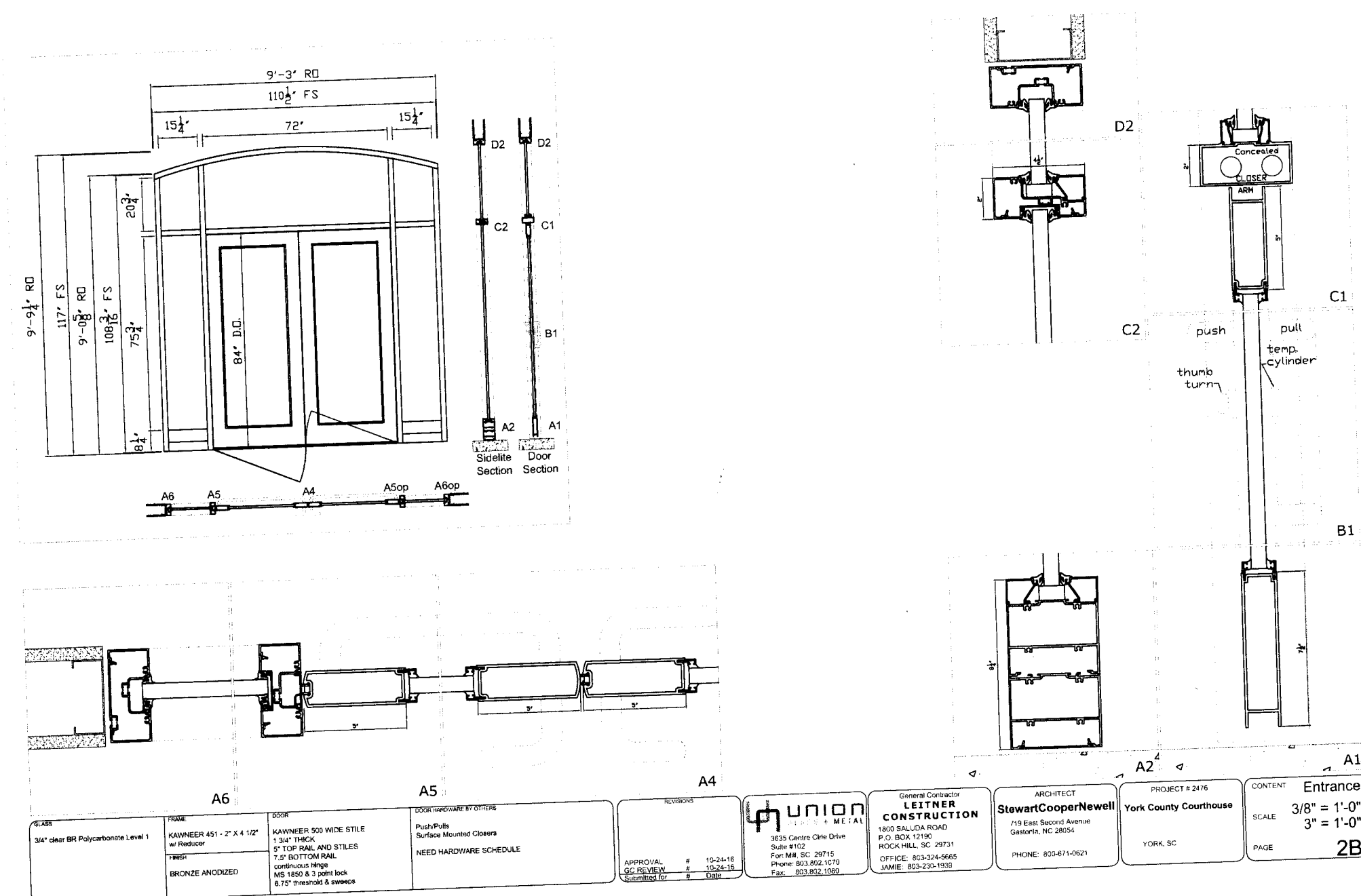
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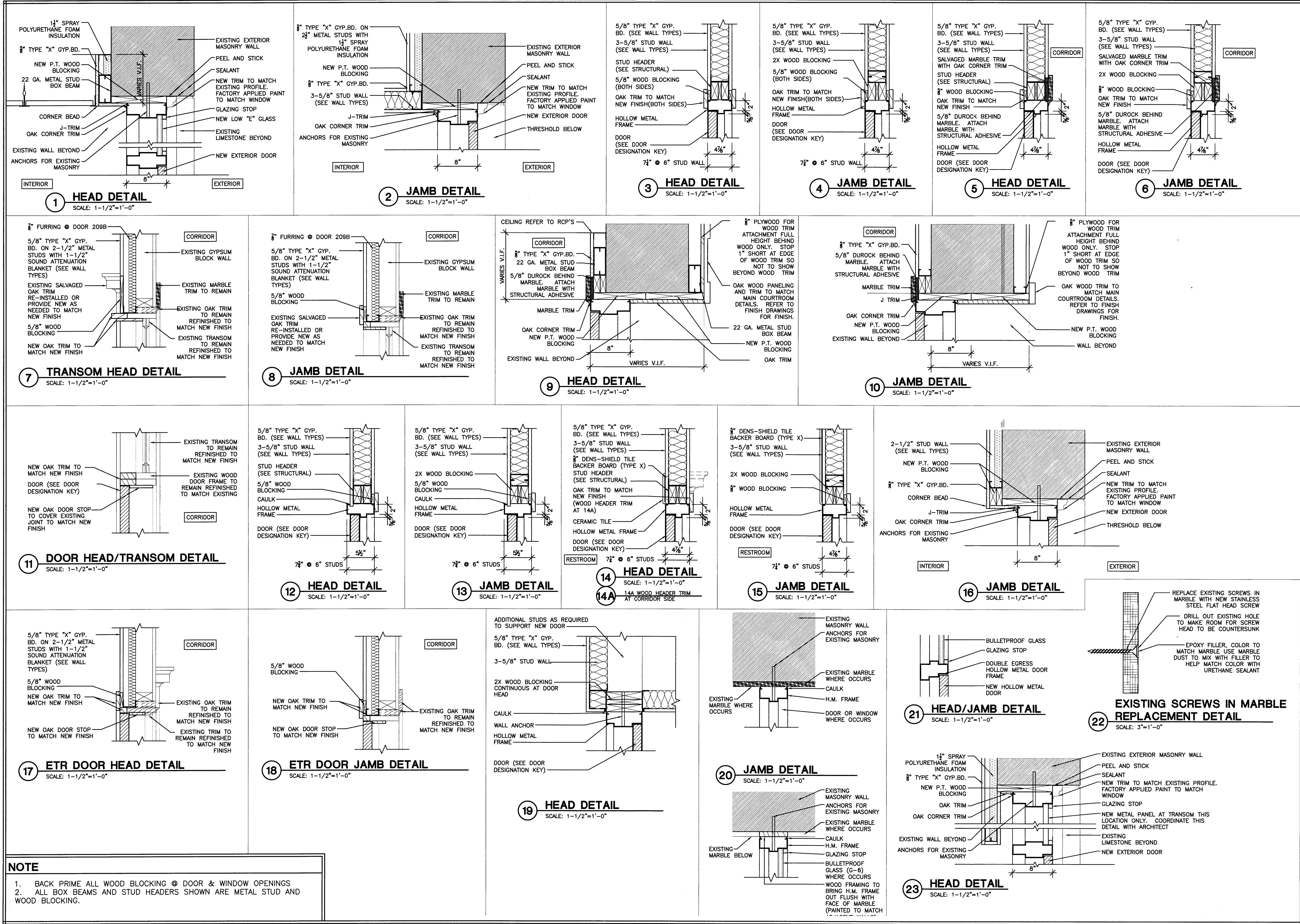
1/2"

2"

DOOR SIGNAGE LOCATED ON SAME SIDE OF WALL AS DOOR HARDWARE

SIGNS FOR ALL DOORS UNLESS NOTED OTHERWISE





NOTE

- BACK PRIME ALL WOOD BLOCKING @ DOOR & WINDOW OPENINGS
- ALL BOX BEAMS AND STUD HEADERS SHOWN ARE METAL STUD AND WOOD BLOCKING.

Project No.
1390

Date
07.10.2015

Drawn
GLM/KFP

Checked
JCS

Revisions

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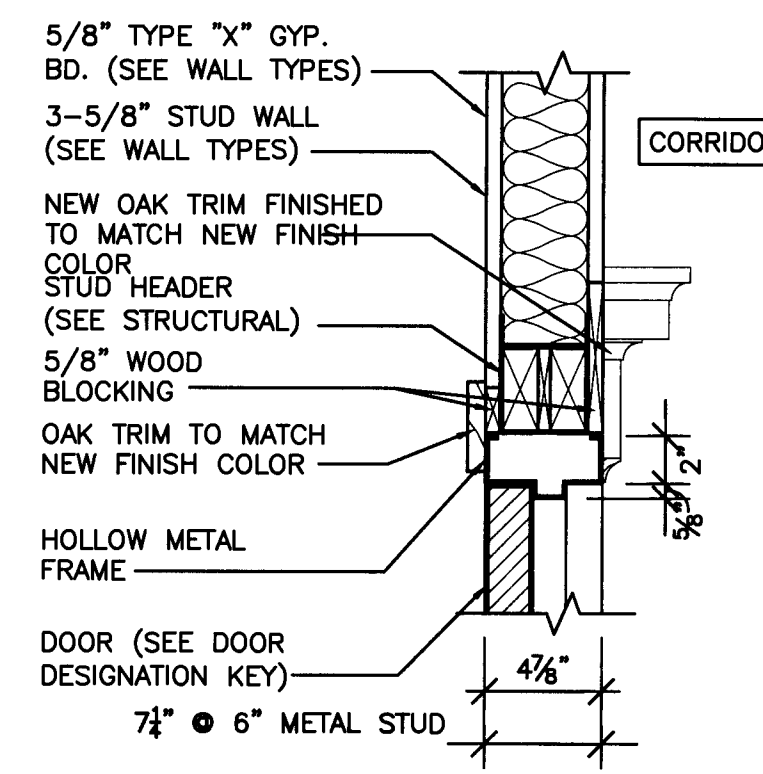
Stewart-Cooper-Newell Architects

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

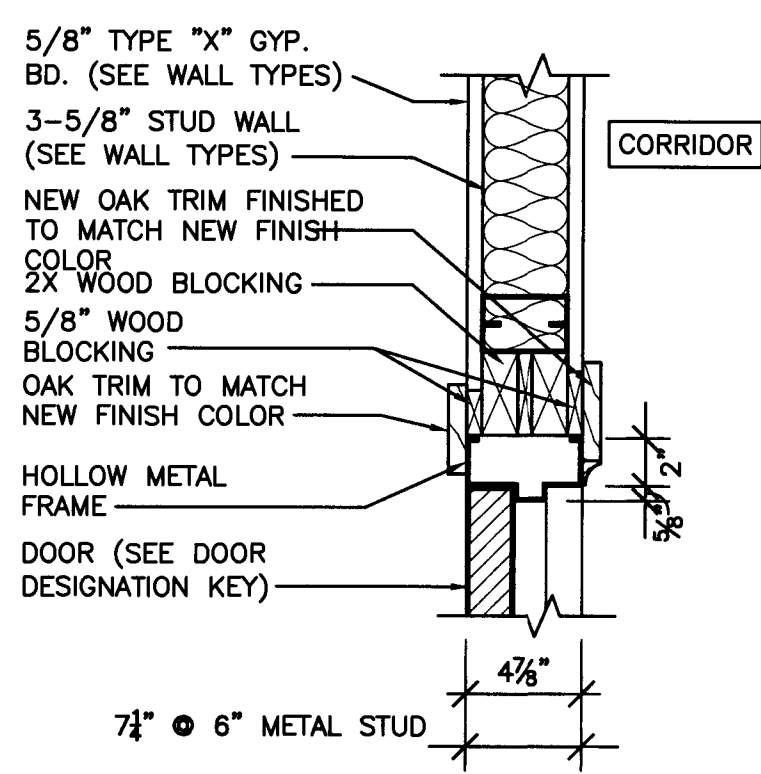
DOOR DETAILS

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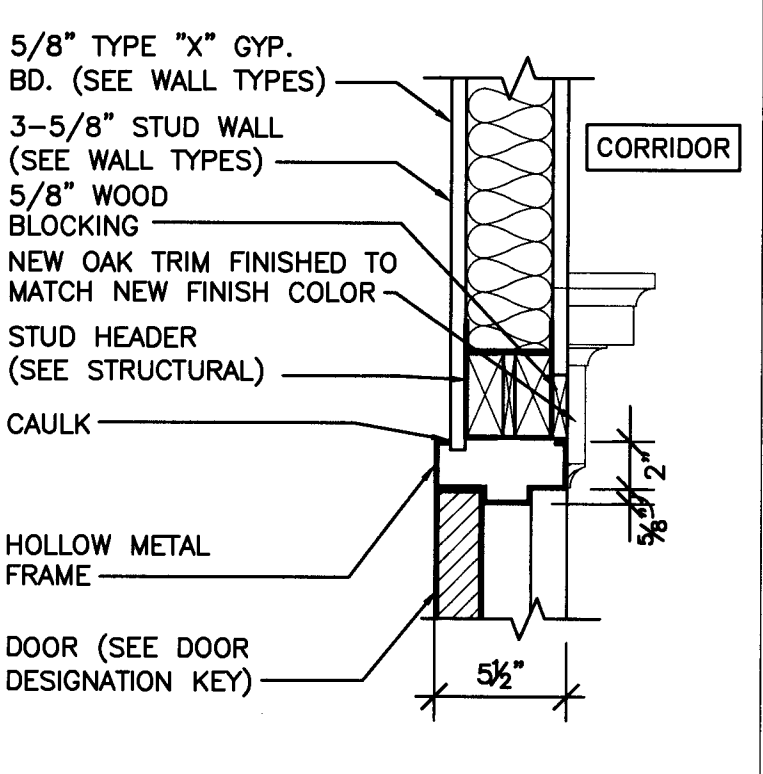
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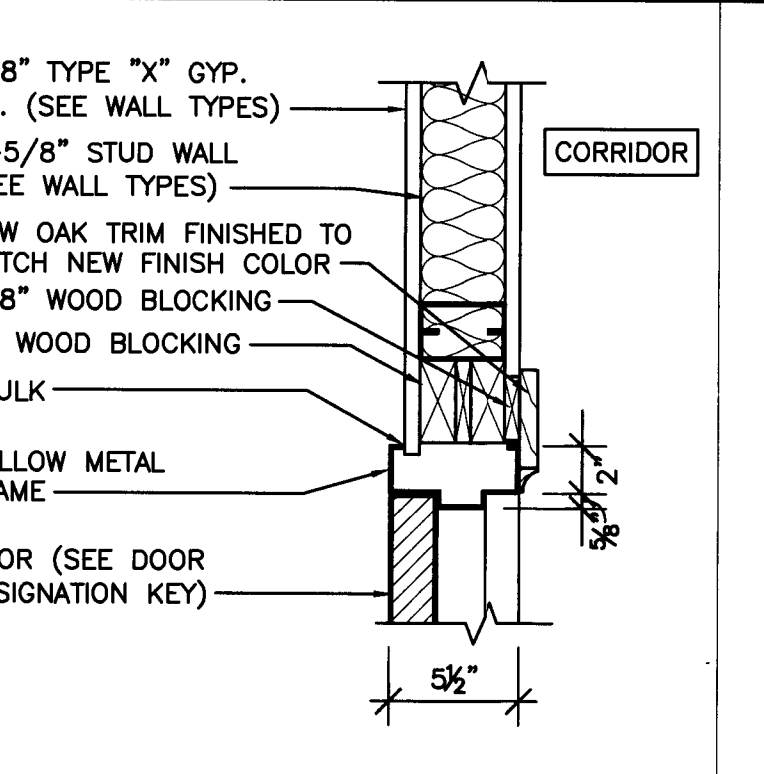
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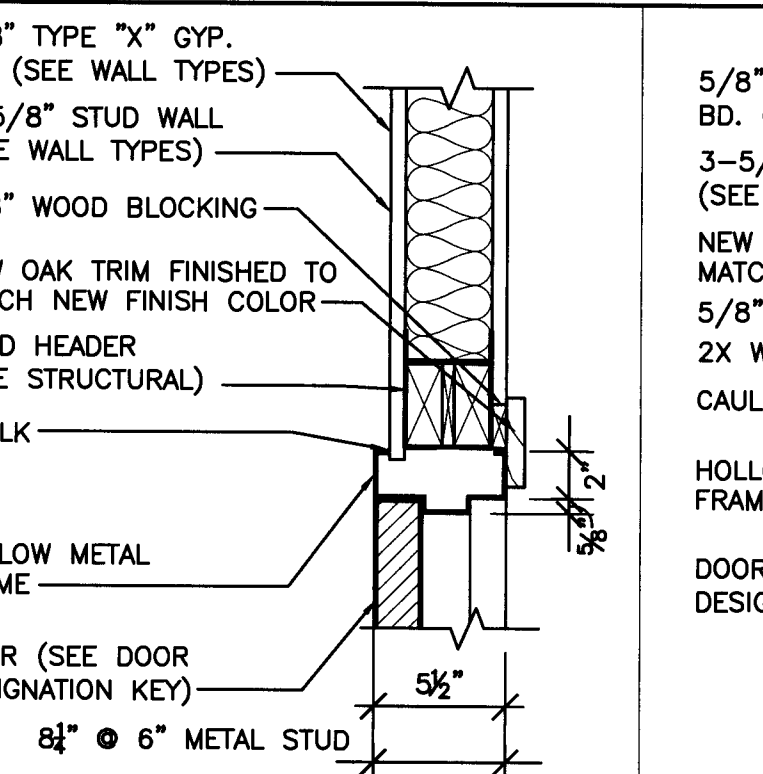
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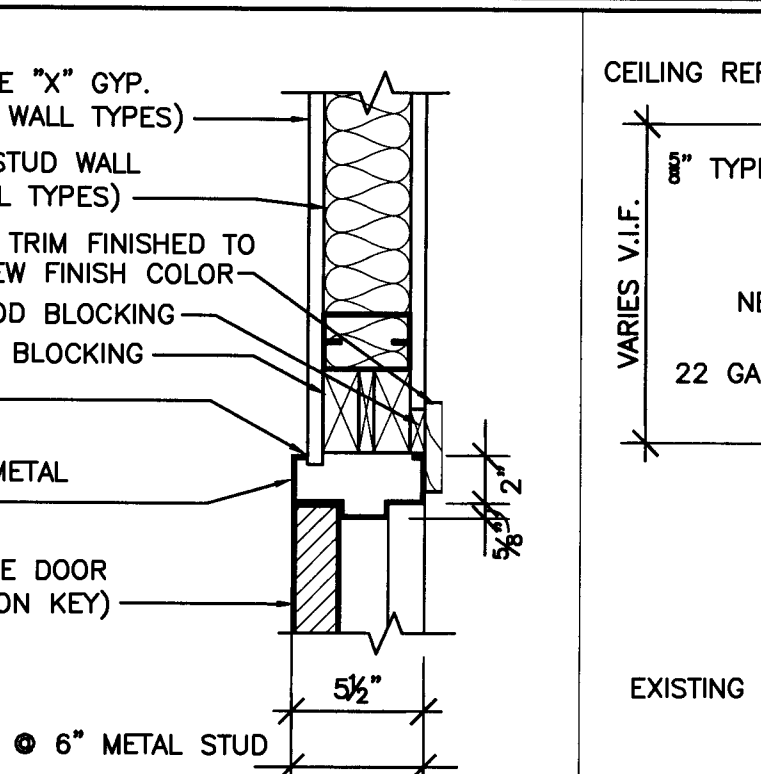
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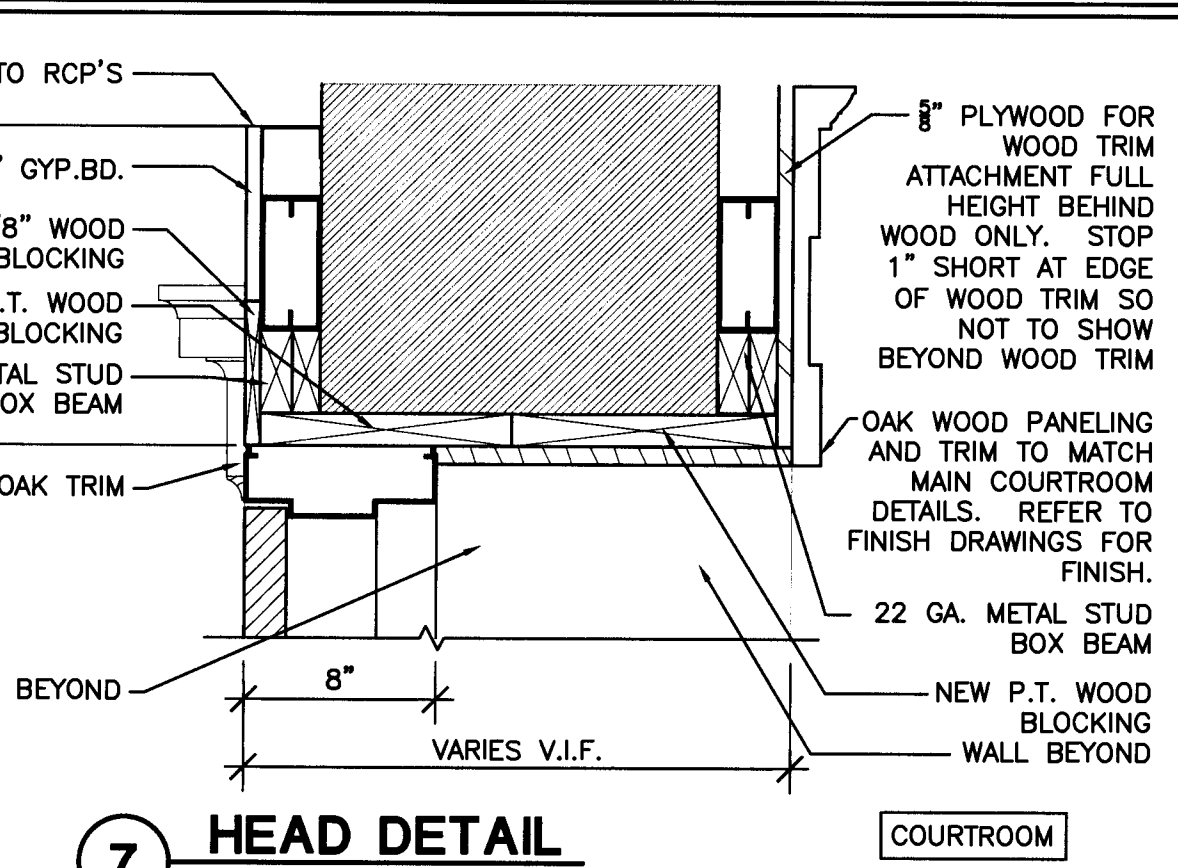
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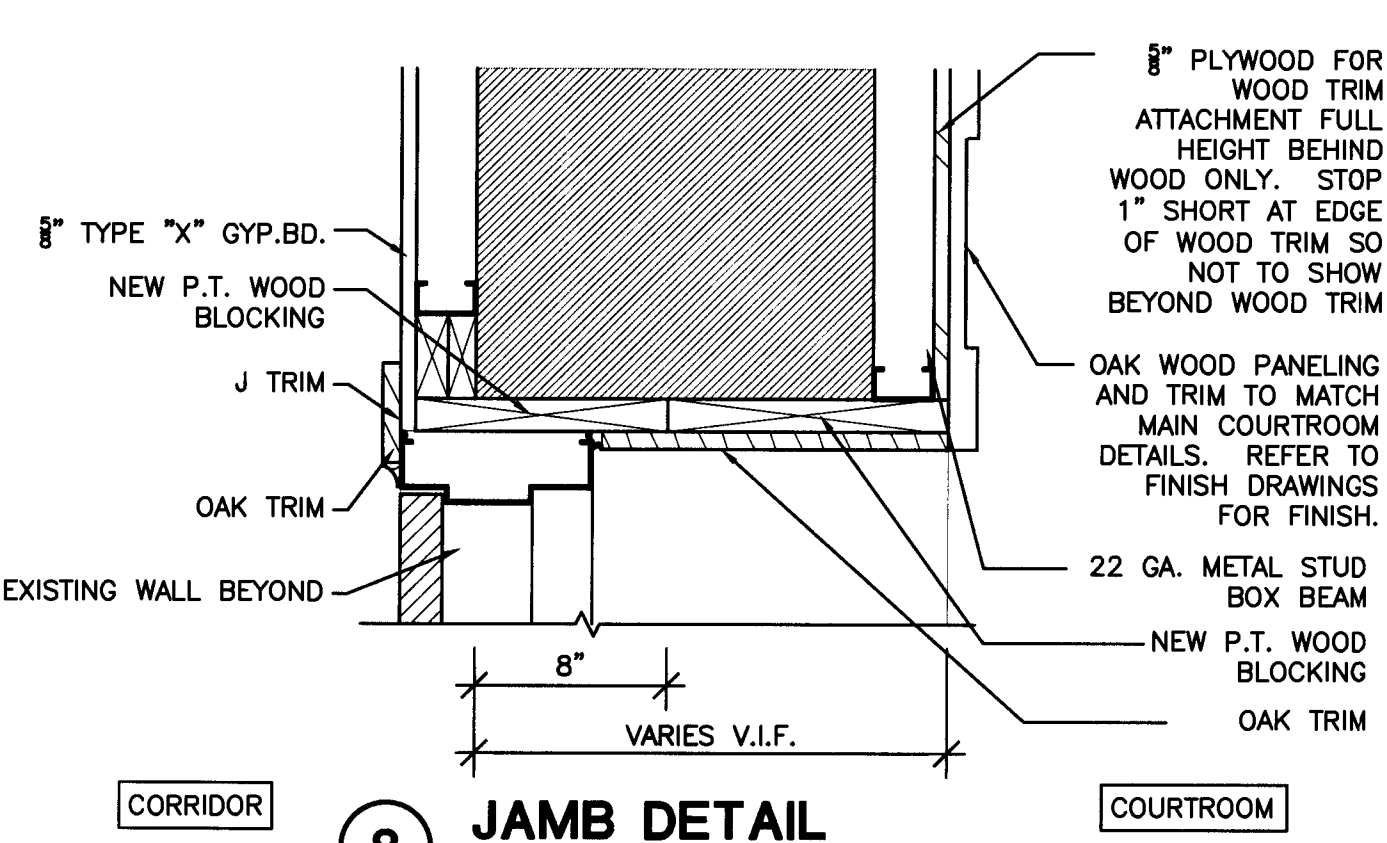
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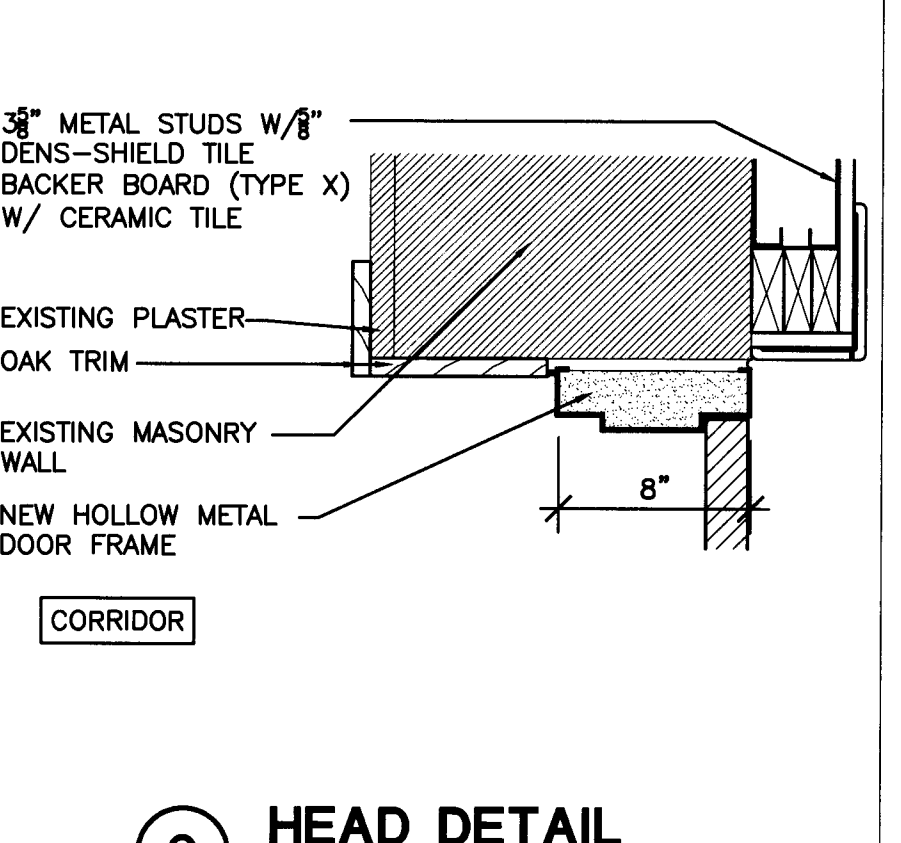
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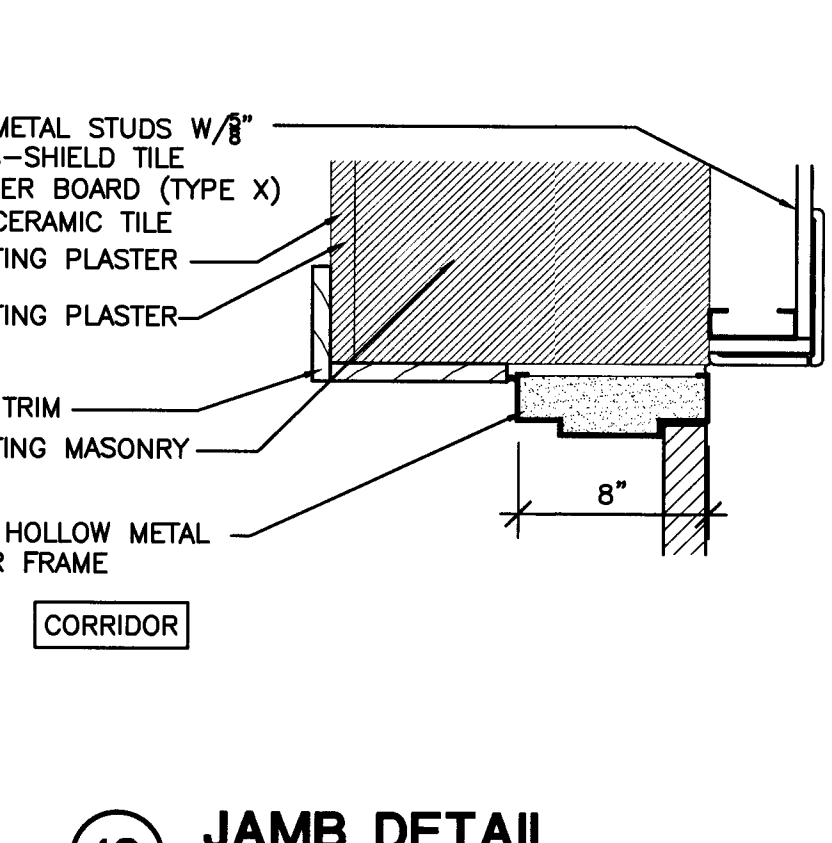
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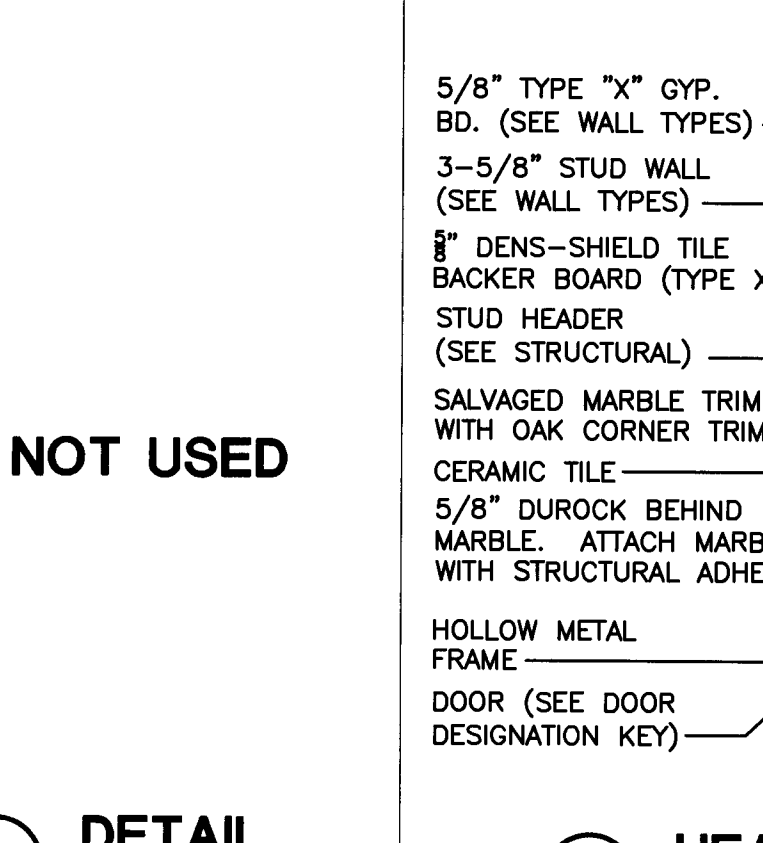
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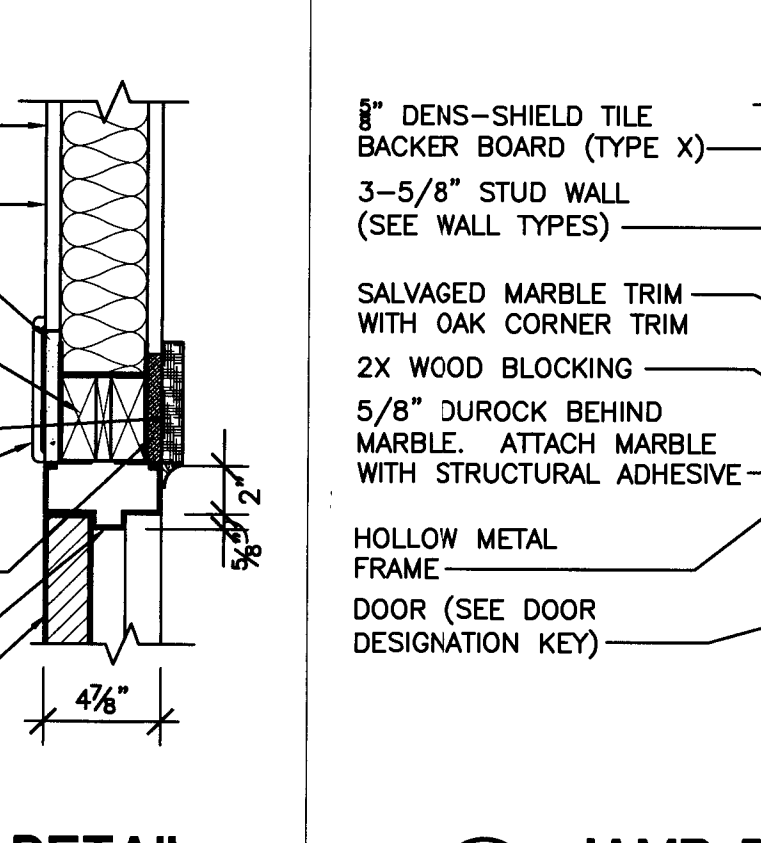
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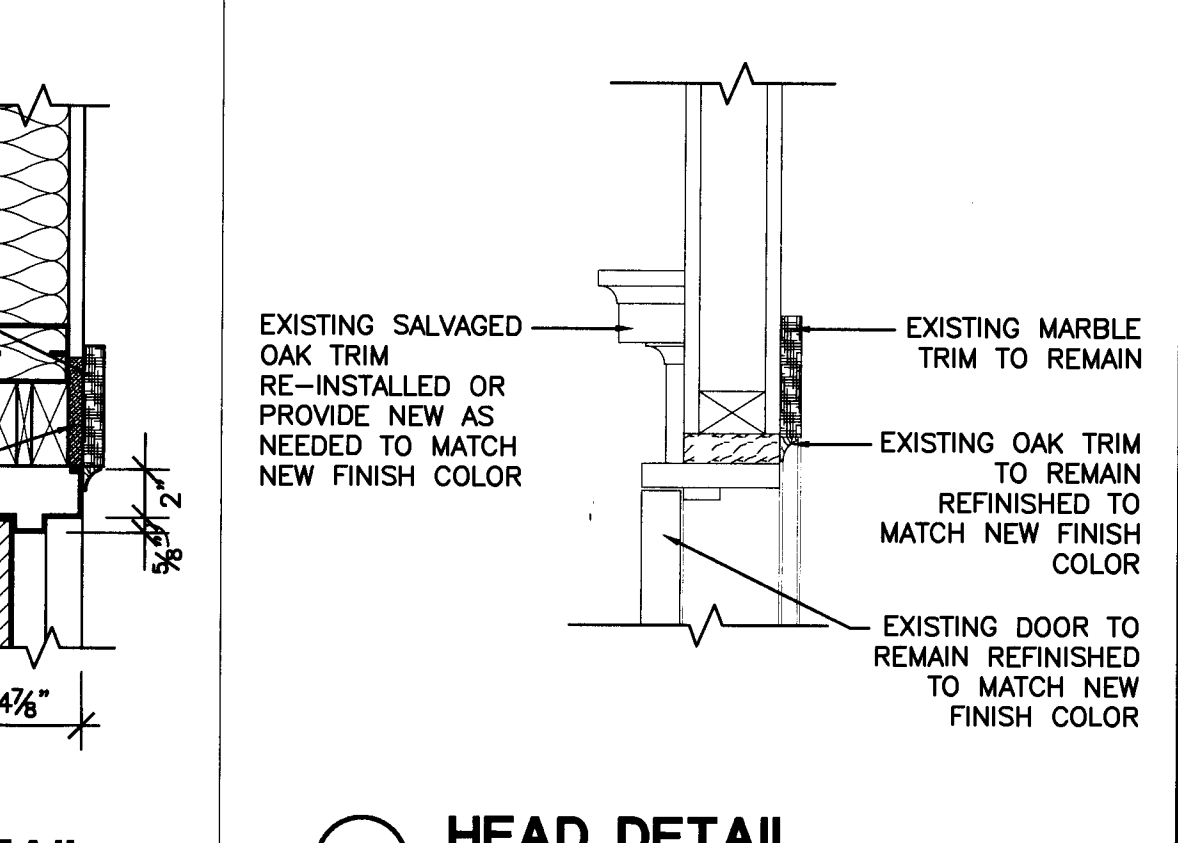
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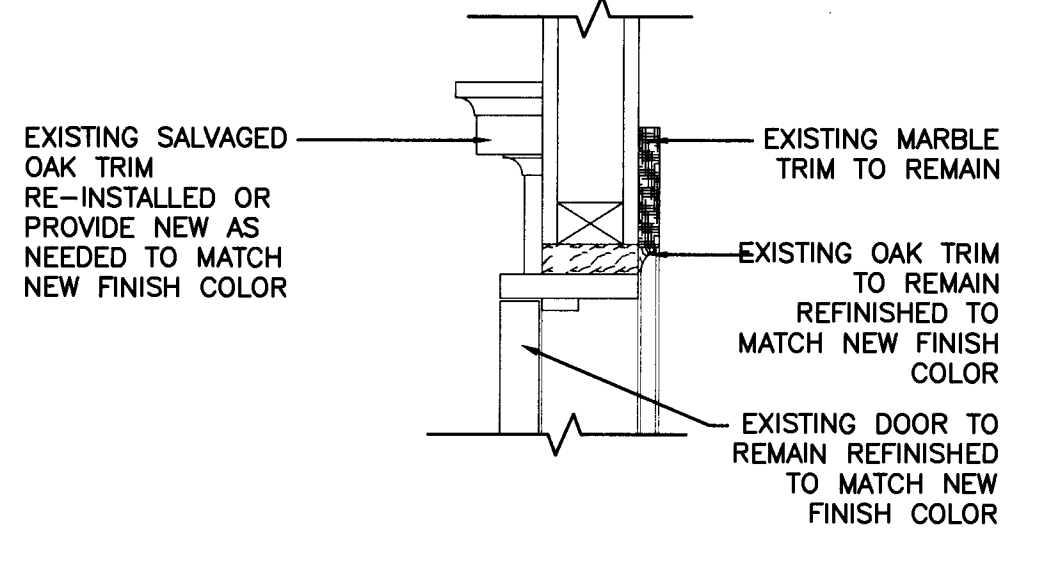
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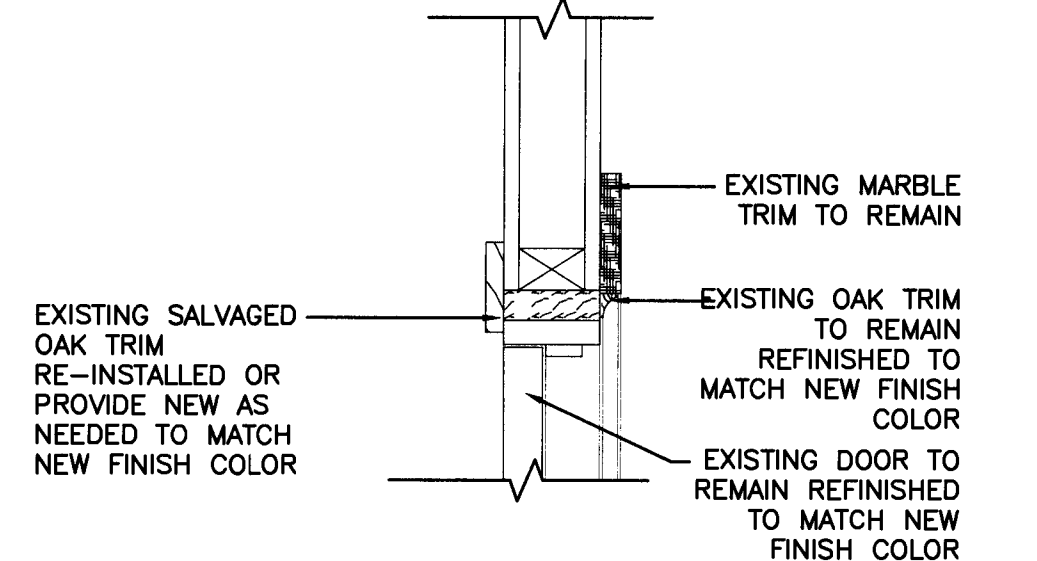
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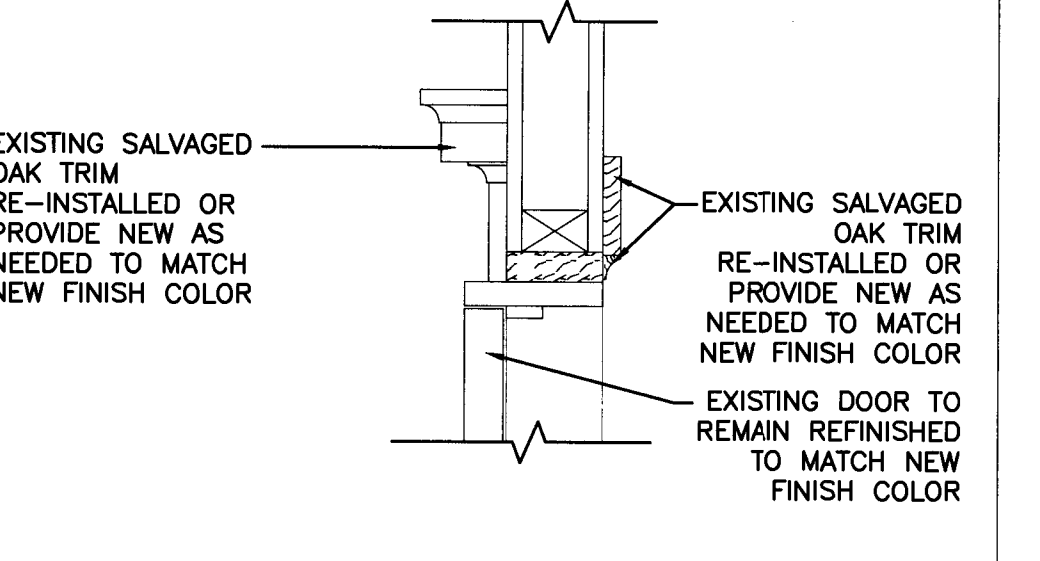
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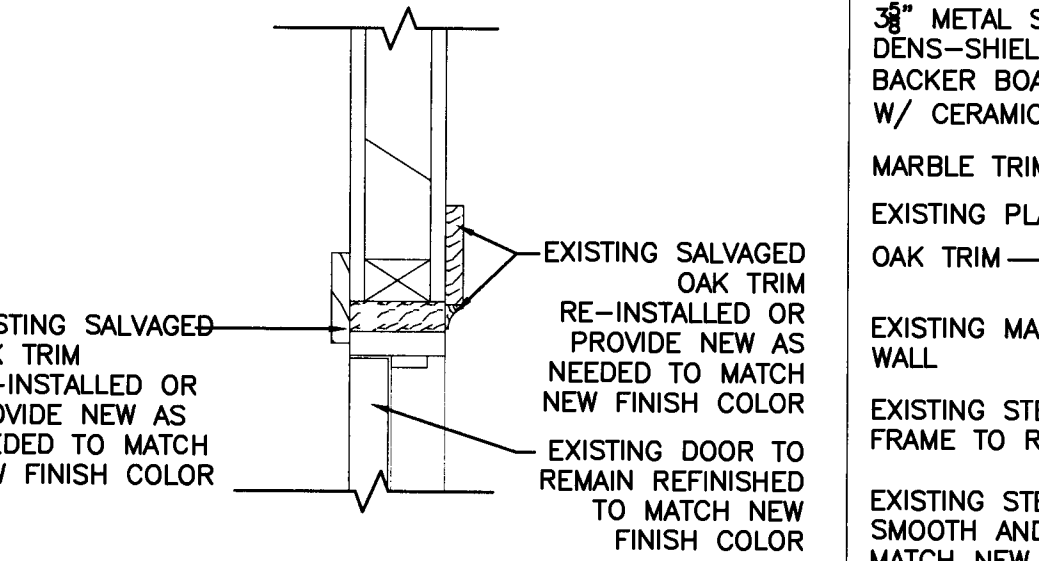
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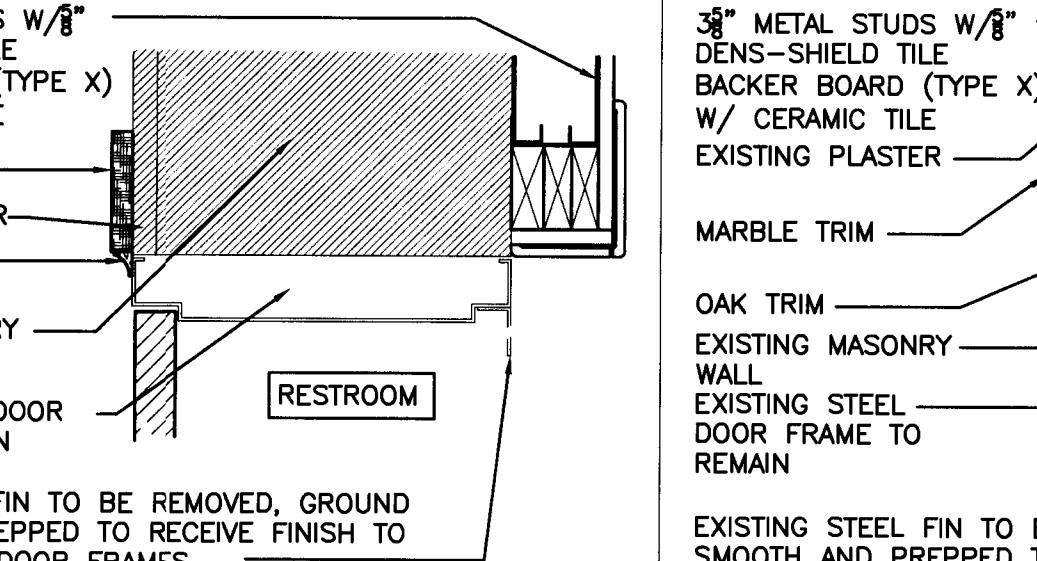
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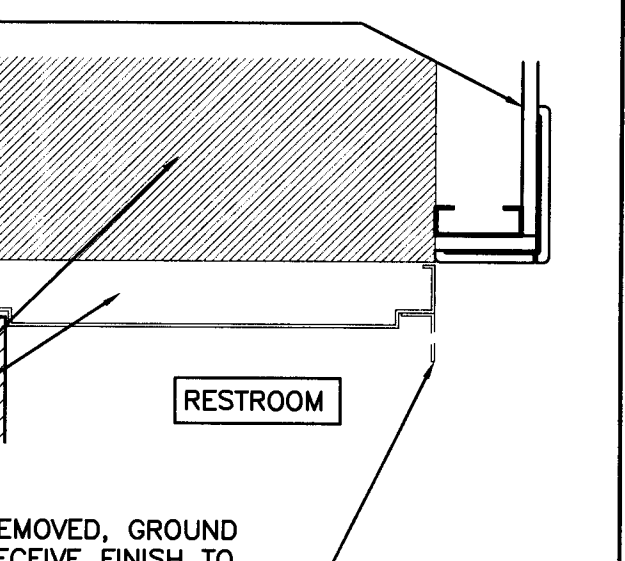
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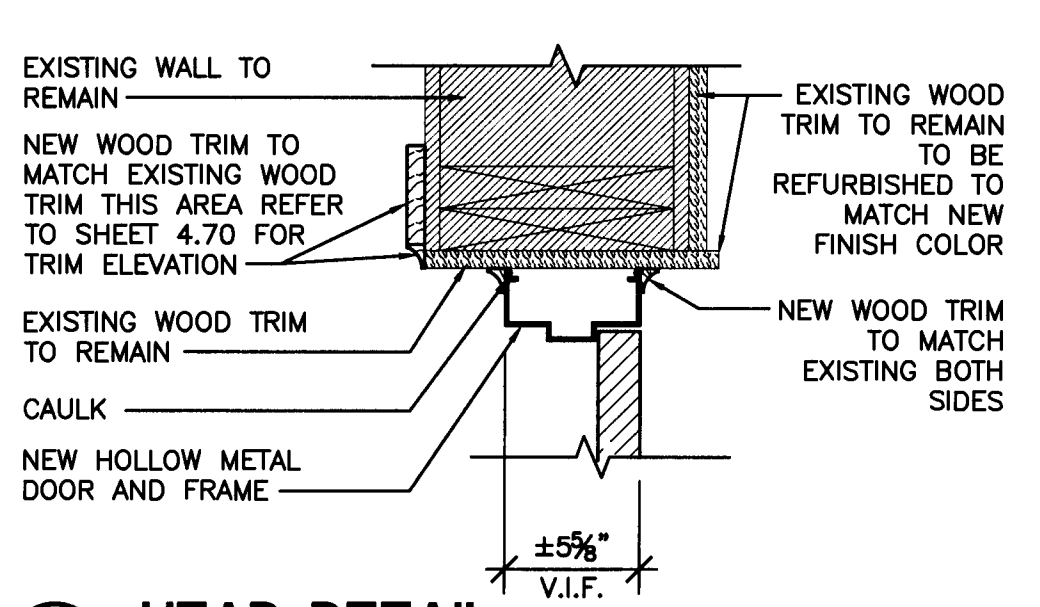
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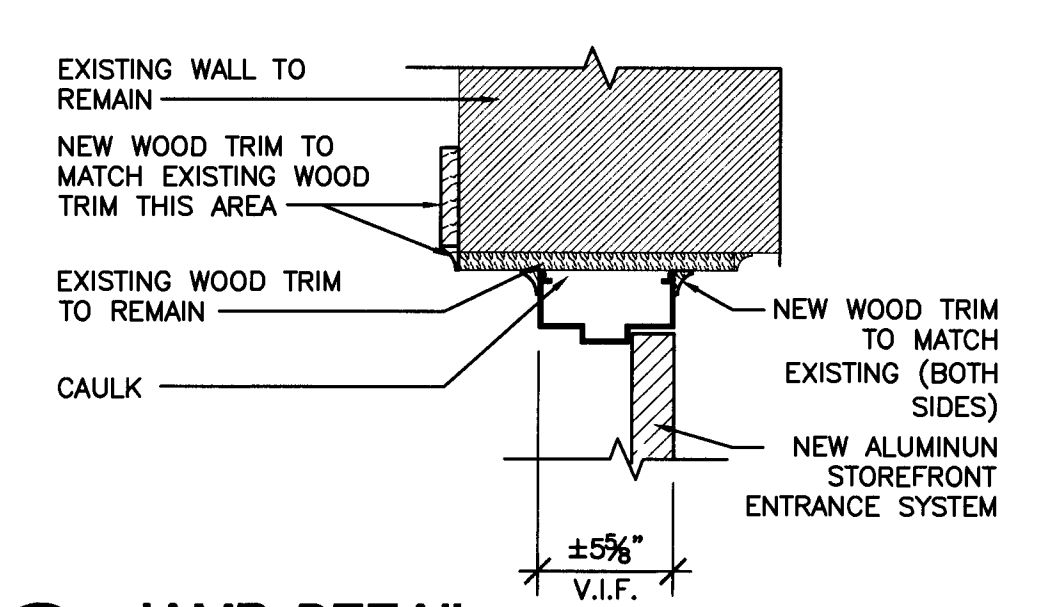
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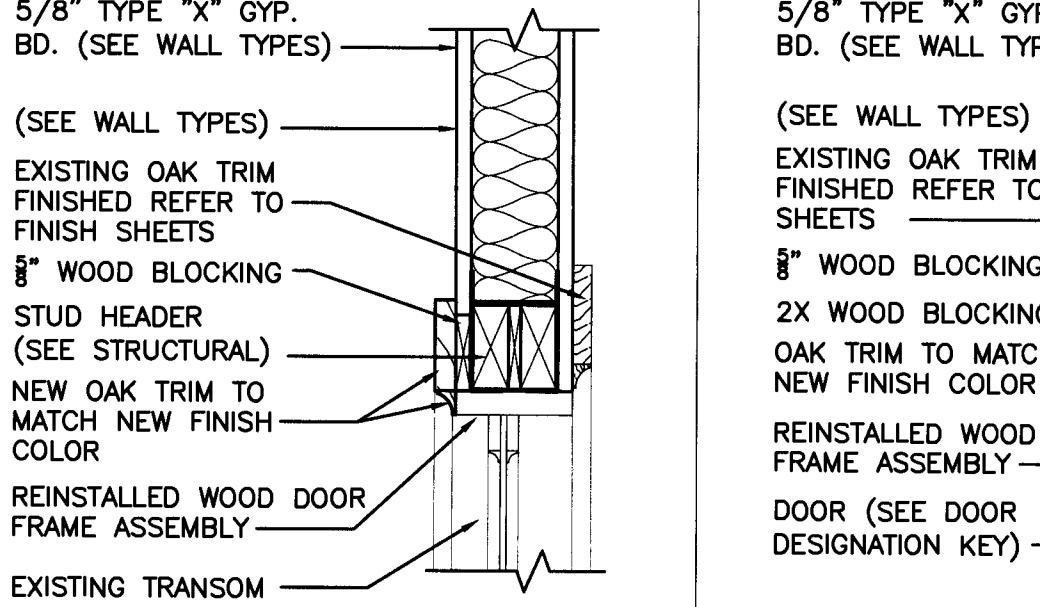
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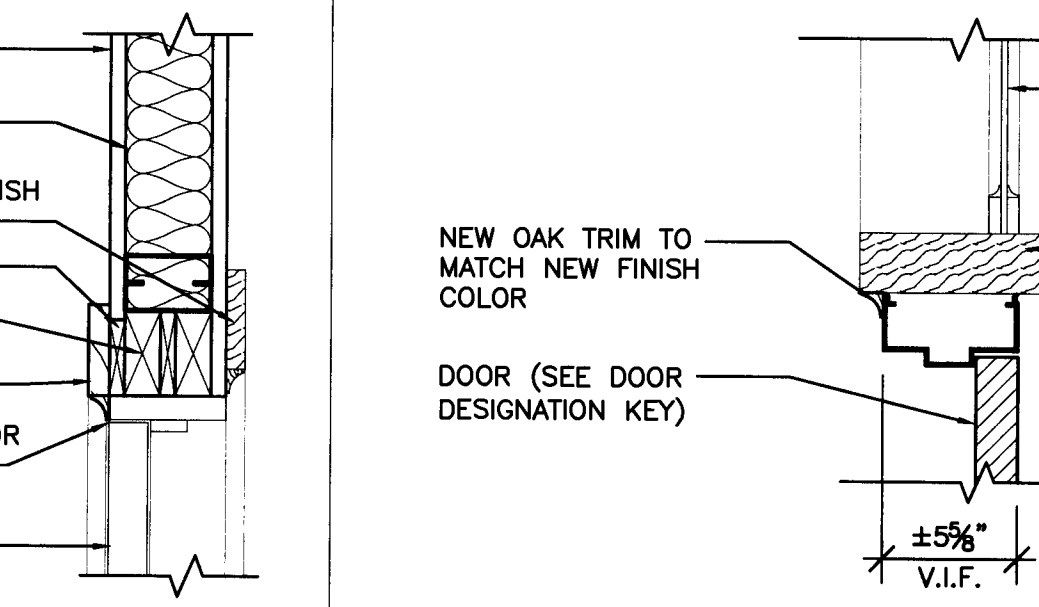
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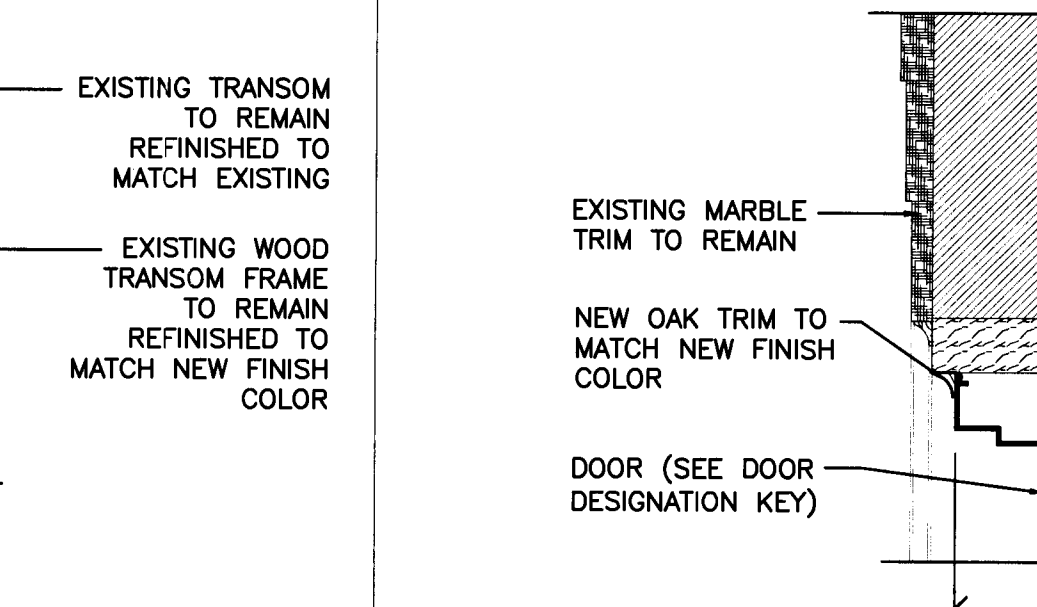
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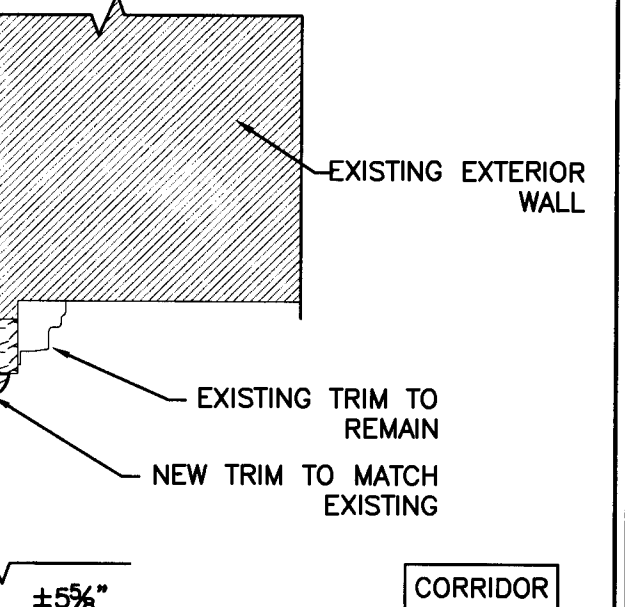
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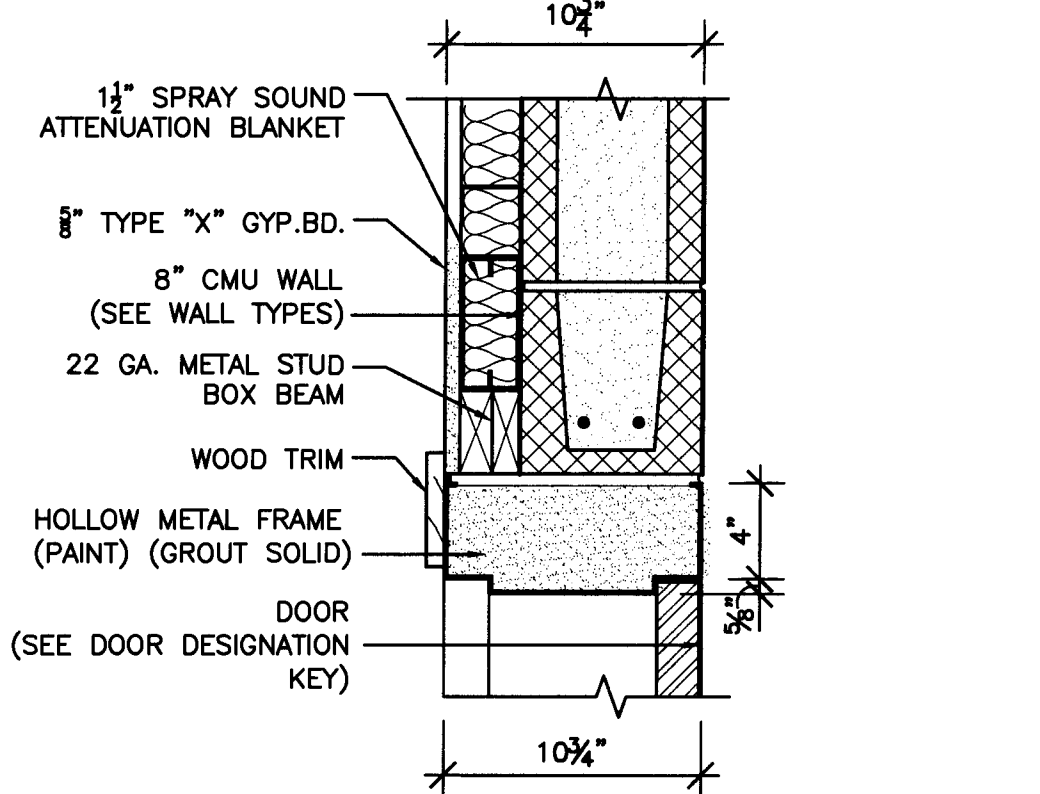
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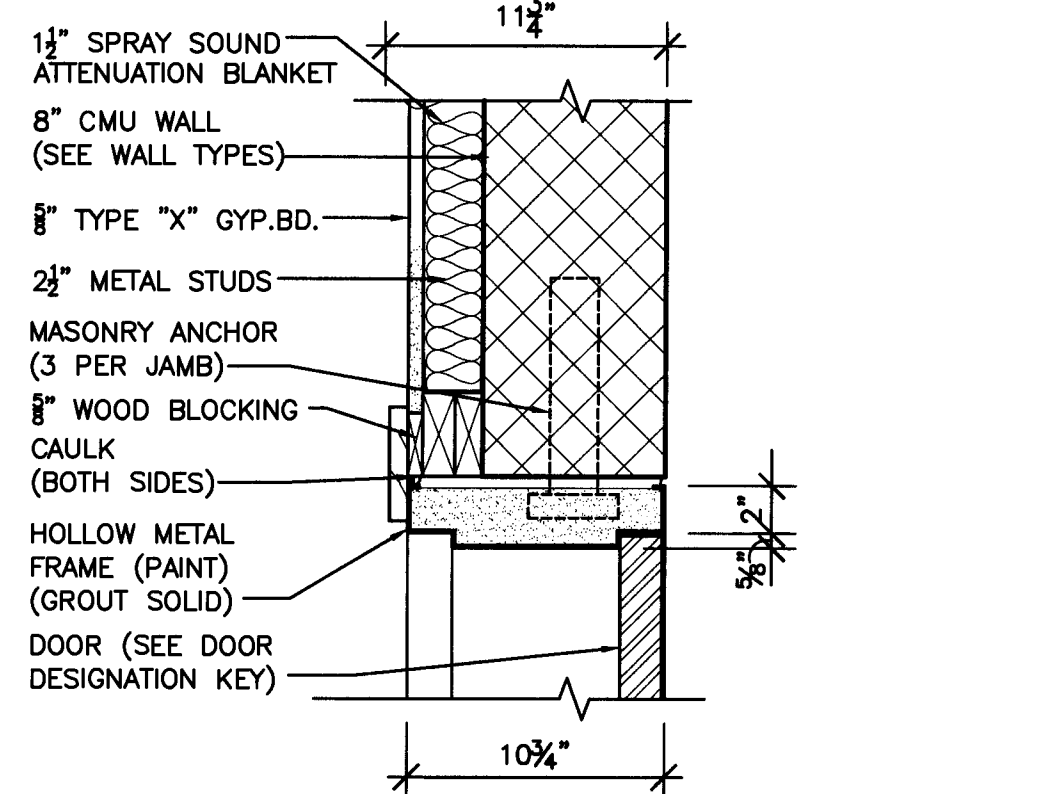
24 DOOR HEAD/TRANSOM DETAIL
SCALE: 1-1/2"=1'-0"



25 JAMB DETAIL
SCALE: 1-1/2"=1'-0"



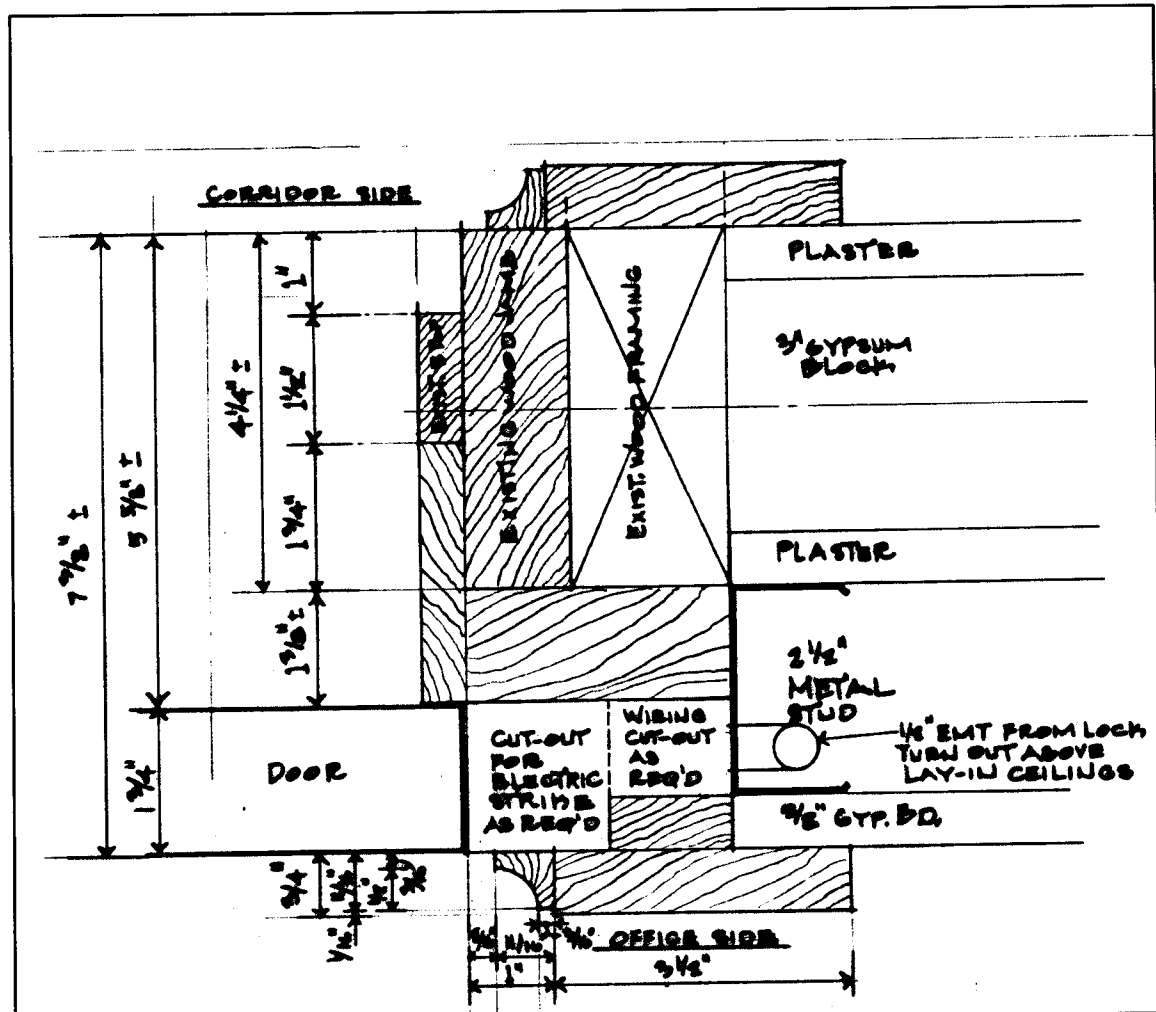
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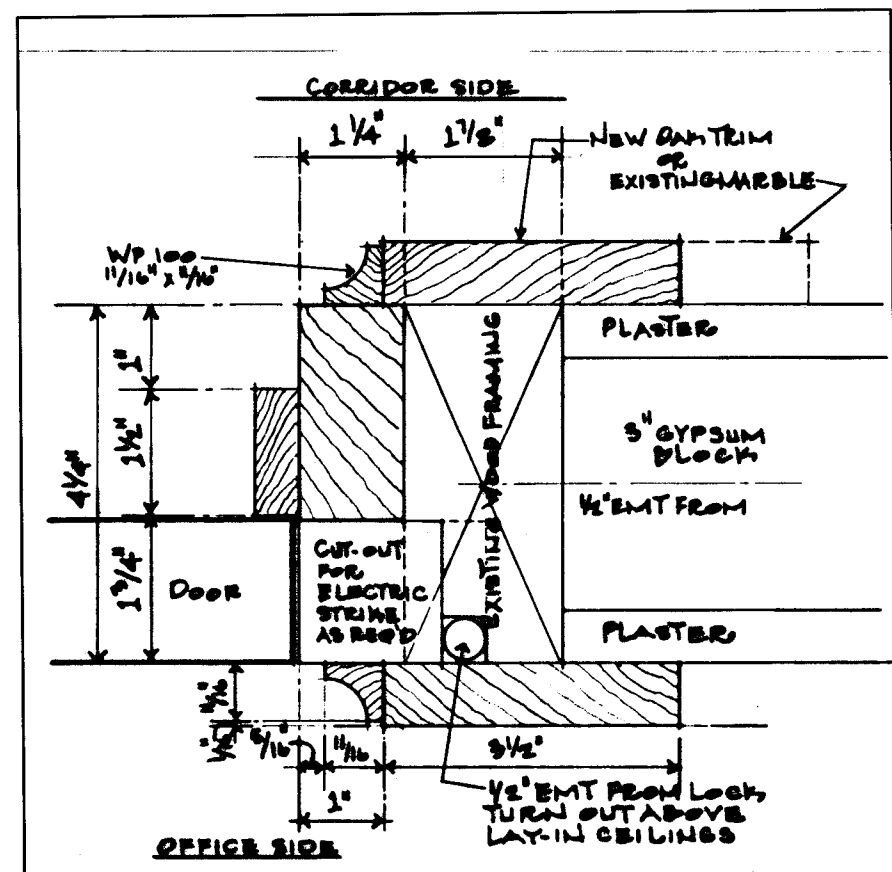
27 JAMB DETAIL
SCALE: 1-1/2"=1'-0"

NOTE

- BACK PRIME ALL WOOD BLOCKING @ DOOR & WINDOW OPENINGS
- ALL BOX BEAMS AND STUD HEADERS SHOWN ARE METAL STUD AND WOOD BLOCKING.



1 DOOR JAMB • EXISTING WALL FURRED
SCALE: FULL SIZE



2 DOOR JAMB • EXISTING WALL
SCALE: FULL SIZE

NOTE

- ALL DOORS WITH CARD READERS HAVE ELECTRIC STRIKES
- THE DETAILS ON THIS SHEET APPLY TO WOOD JAMB CONDITIONS PREFER TO ELECTRICAL.
- WHERE CONDUIT IN DETAIL 2 REQUIRES CHASING THE PLASTER WALL, RECESS 3\"/>

ORIGINATION OF EXISTING DRAWINGS

THE CONTRACT DRAWINGS WERE PREPARED BASED ON EXISTING DRAWINGS, SITE SURVEY, FIELD OBSERVATION, MEASUREMENTS, AND OTHER INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE ARCHITECT BY THE OWNER, AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.

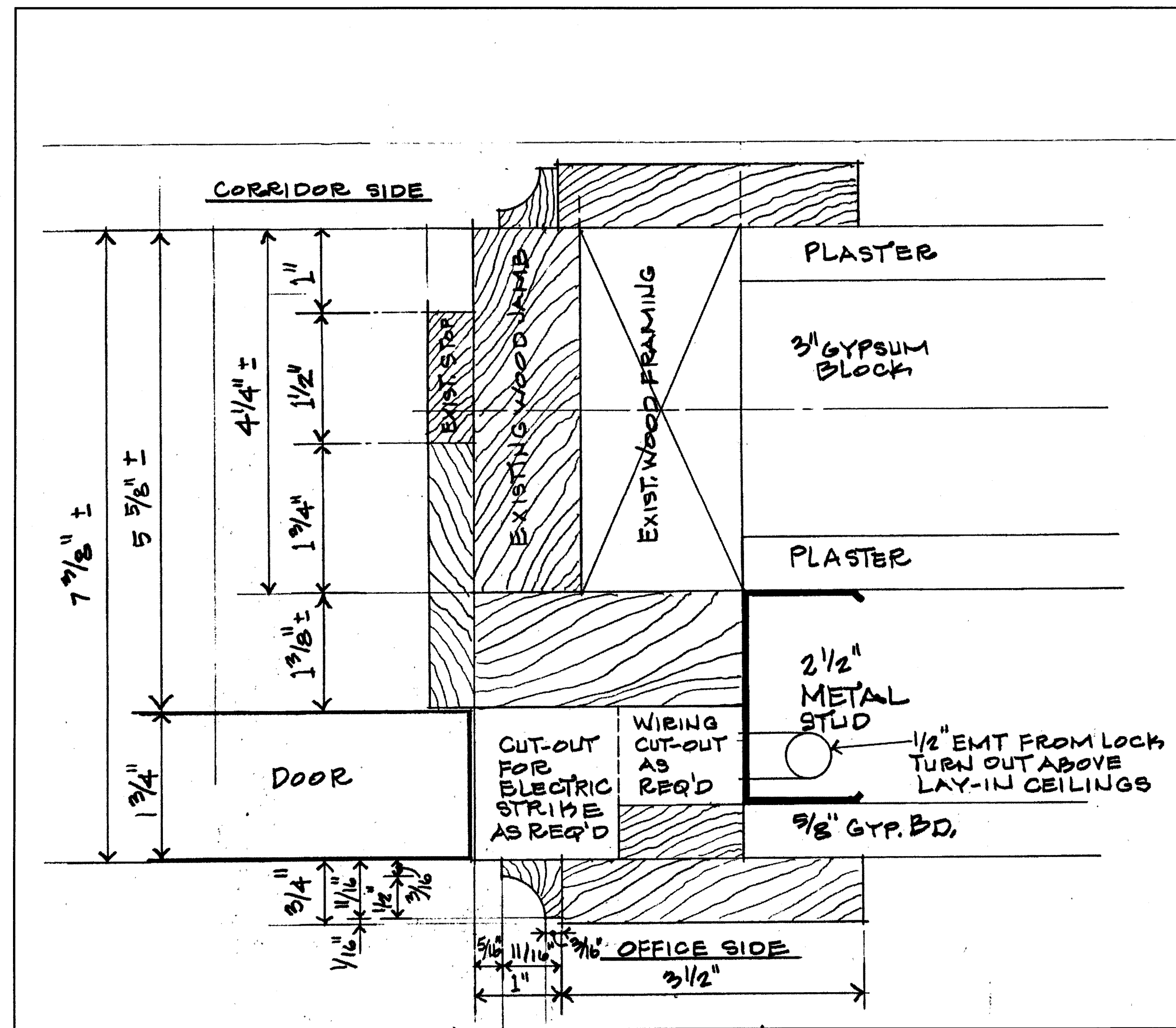
NOTE

ALL DETAILS APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION PROVIDED TO THE ARCHITECT BY THE OWNER, AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED TO THE ARCHITECT BY THE OWNER, AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.

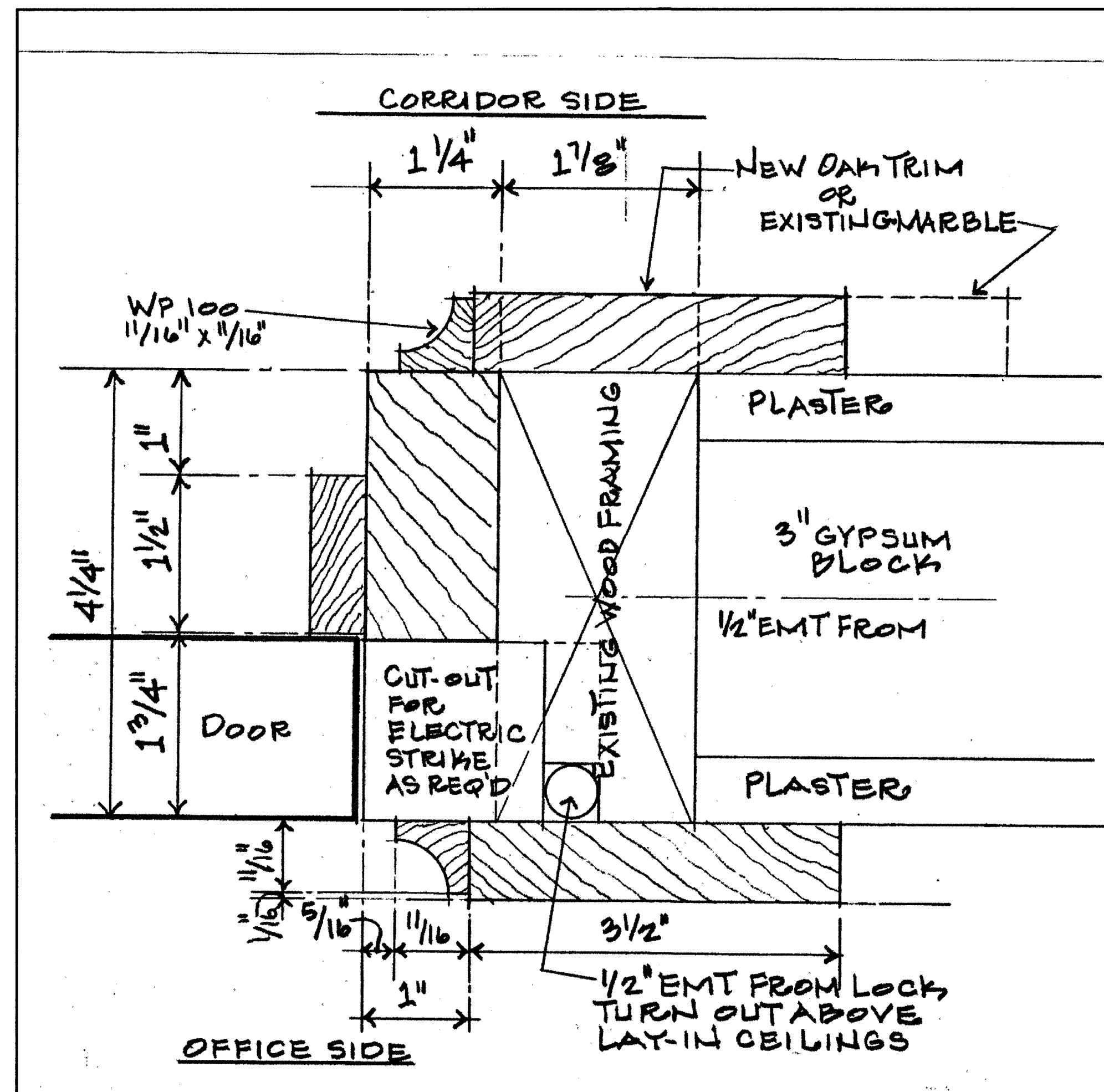
Project No.	1380
Date	07/10/2016
Drawn	GLM
Checked	JCS
Approved	JCS
Scale	AS SHOWN
Sheet	4.53

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NEW YORK & SECTIONS FOR
YORK COUNTY COURTHOUSE
NEW YORK, NEW YORK
DOORS - ELECTRIC STRIKE DETAILS



1 DOOR JAMB @ EXISTING WALL FURRED
SCALE: FULL SIZE



2 DOOR JAMB @ EXISTING WALL
SCALE: FULL SIZE

NOTE

- ALL DOORS WITH CARD READERS HAVE ELECTRIC STRIKES
- THE DETAILS ON THIS SHEET APPLY TO WOOD JAMB CONDITIONS REFER TO ELECTRICAL
- WHERE CONDUIT IN DETAIL 2 REQUIRES CHASING THE PLASTER WALL, RECESS 2" DEEP INTO THE PLASTER AND GYPSUM BLOCK AND APPLY NEW PLASTER OVER THE CONDUIT.

ORIGINATION OF EXISTING DRAWINGS

THE CONTRACT DRAWINGS WERE PREPARED BASED ON EXISTING DRAWINGS, SITE SURVEY, ENVIRONMENTAL TESTING, SOIL BORINGS AND OTHER DOCUMENTS AND INFORMATION PROVIDED TO THE ARCHITECT BY YORK COUNTY. ACTUAL FIELD CONDITIONS MAY VARY FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS AND COORDINATING ANY VARIANCES WITH THE OWNER AND ARCHITECT PRIOR TO DEMOLITION OR CONSTRUCTION.

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.

1390

Date

07.10.2015

Drawn

GLM

Checked

JCS

Revisions

ADDENDUM #1

08.05.15

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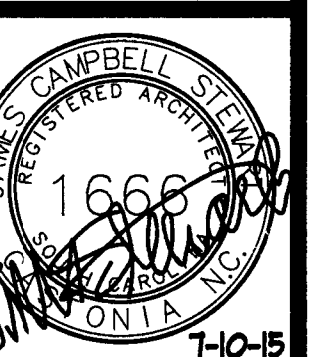
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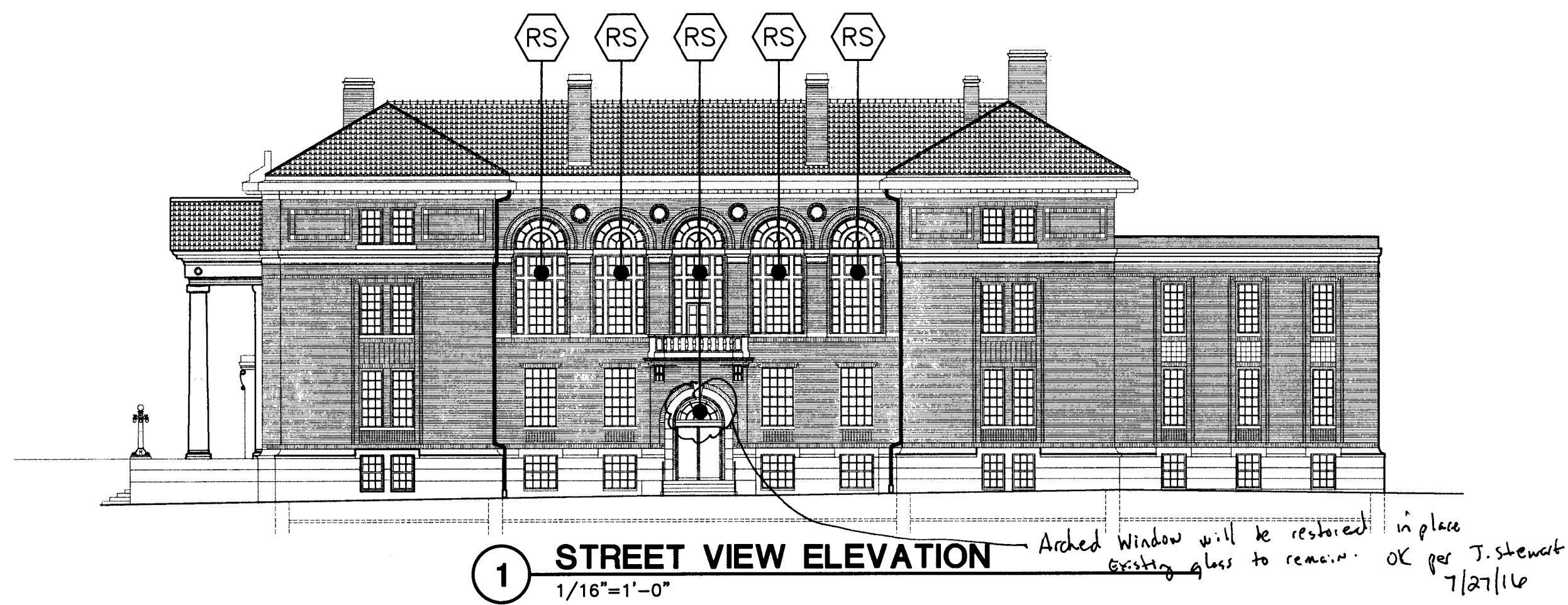
Stewart-Cooper-Newell
Architects



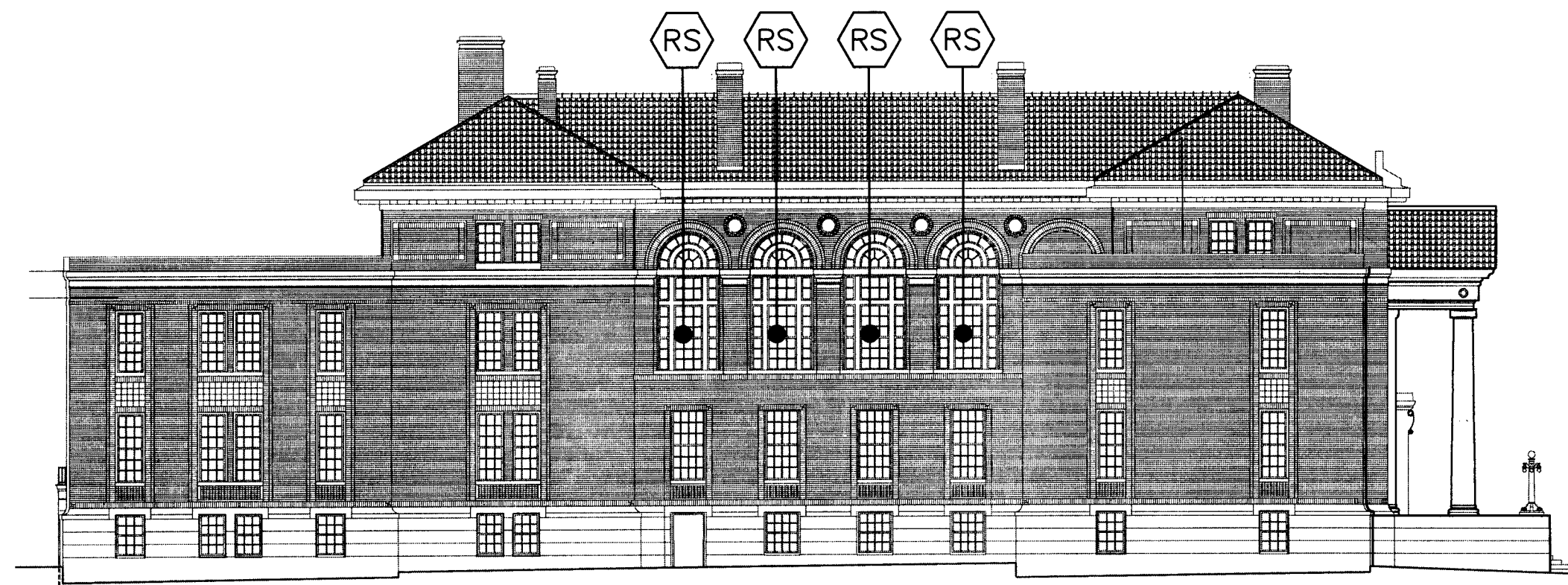
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet 4.53

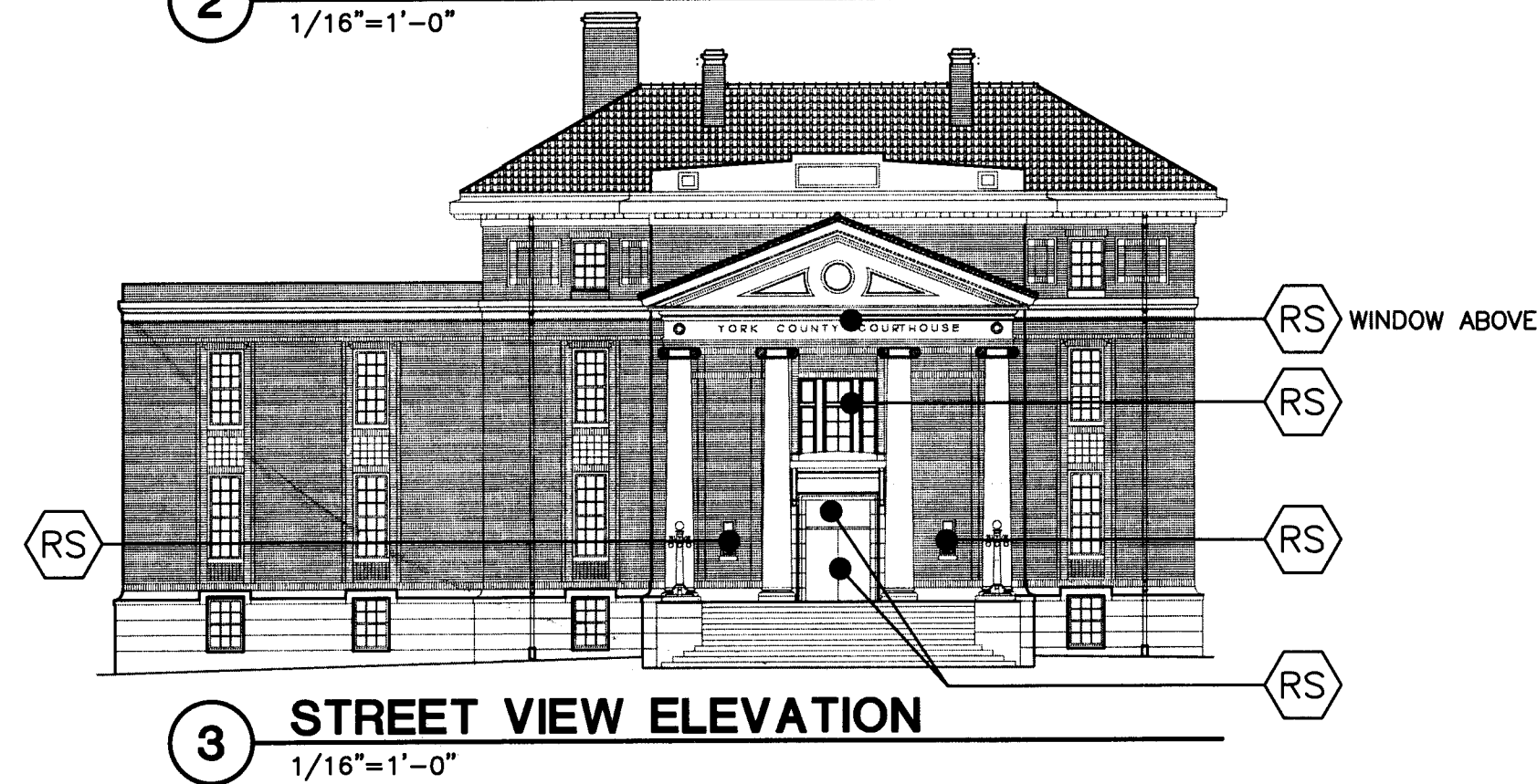
DOORS - ELECTRIC STRIKE DETAILS



1 STREET VIEW ELEVATION
1/16"=1'-0"



2 COURTYARD VIEW ELEVATION
1/16"=1'-0"



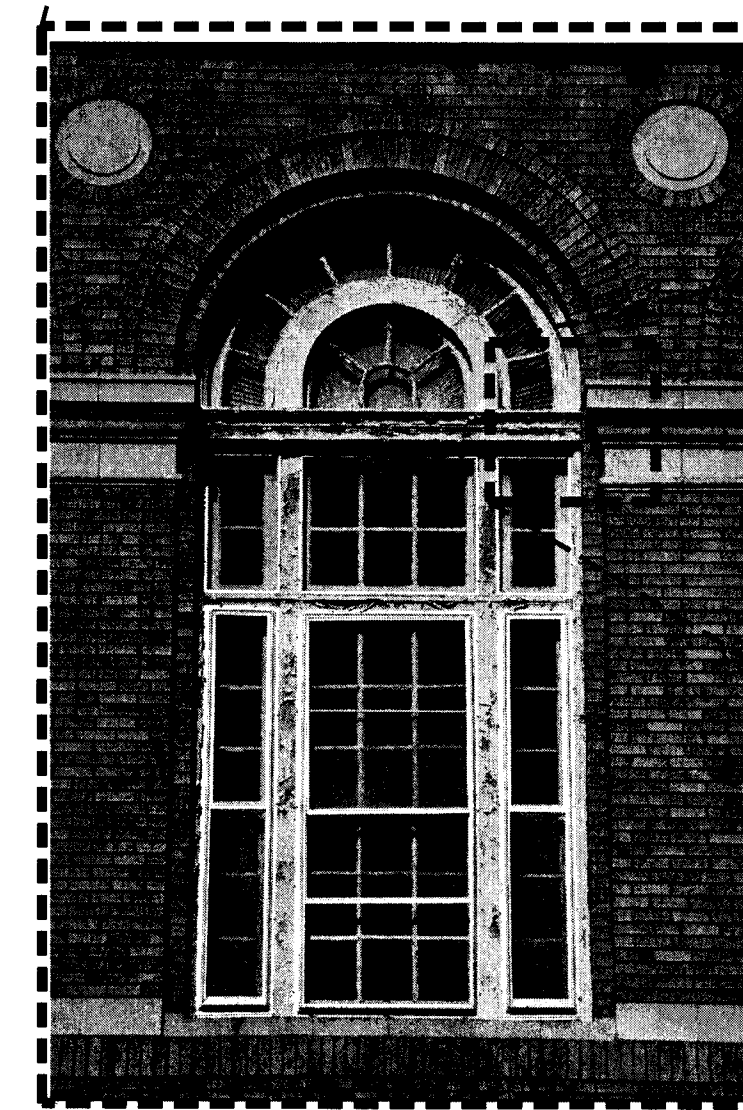
3 STREET VIEW ELEVATION
1/16"=1'-0"



P1 COURTYARD WINDOW PHOTO
NTS



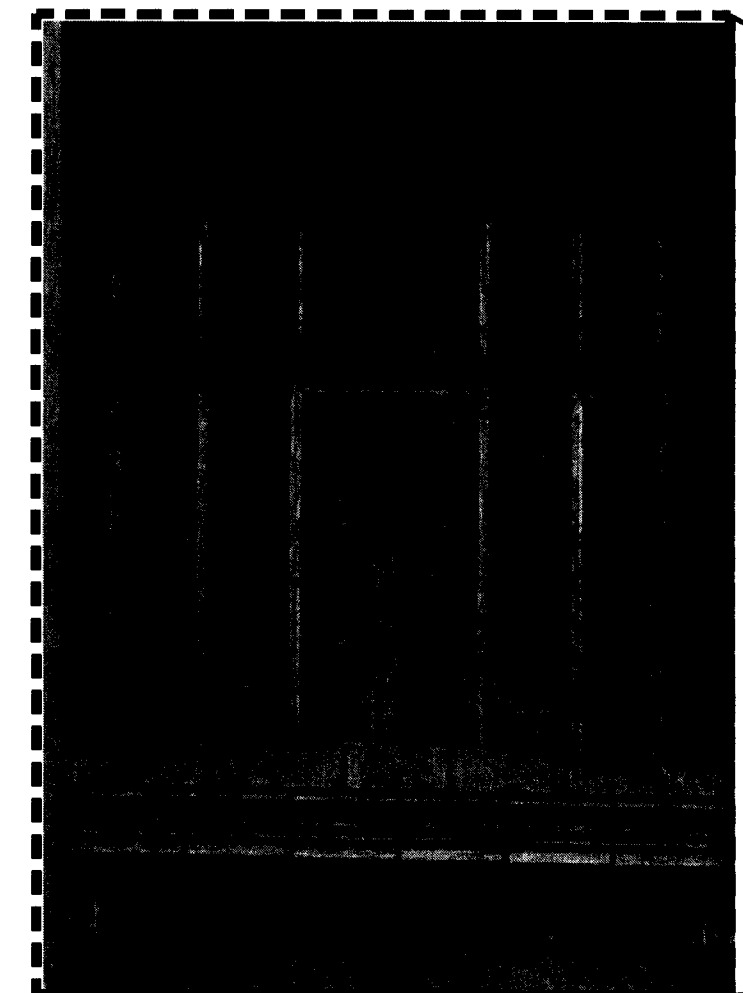
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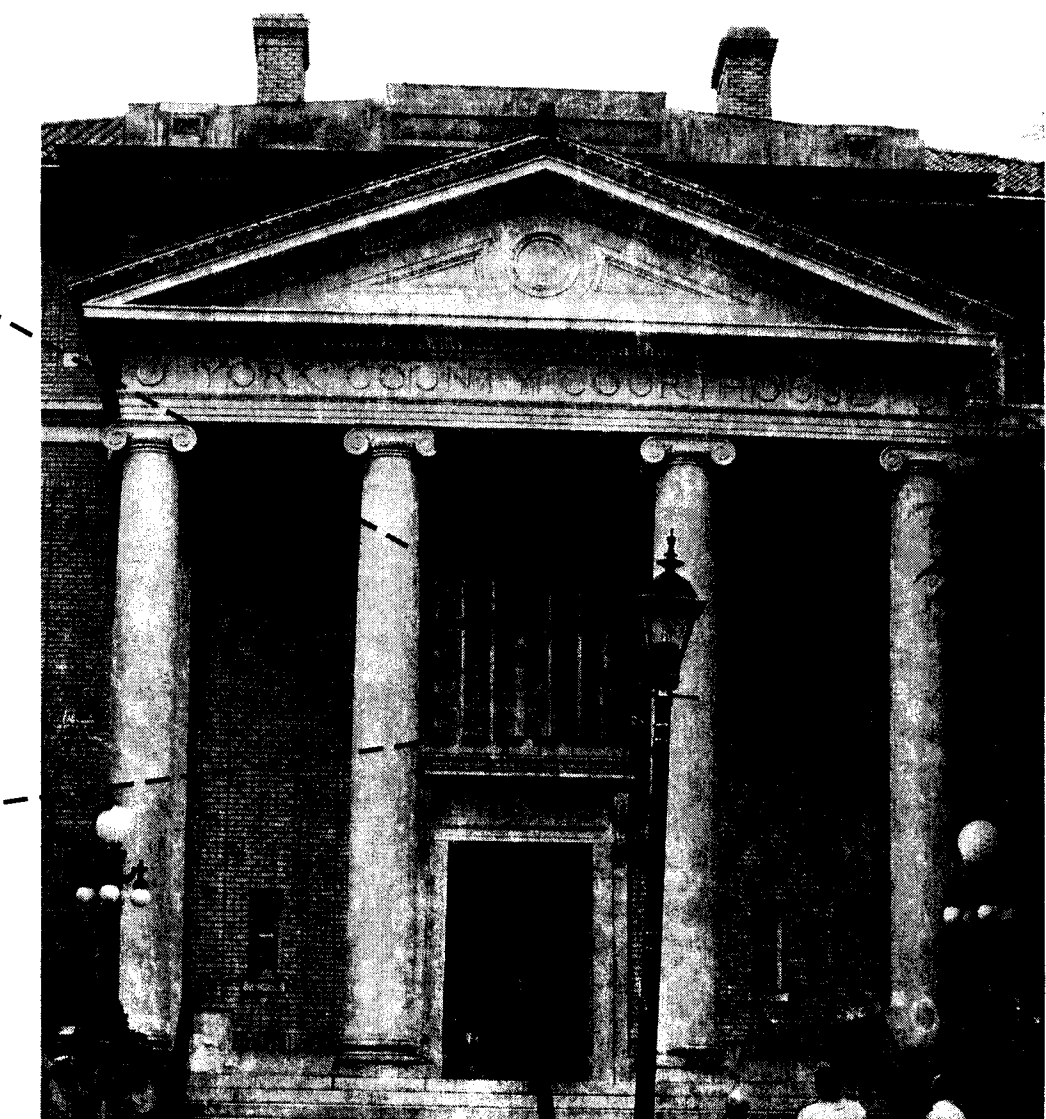
P3 CLOSEUP PHOTO
NTS



P4 DETAIL PHOTO
NTS



P5 CLOSEUP PHOTO
NTS



P6 STREET VIEW PHOTO
NTS

WINDOW NOTES RESTORATION SEQUENCE OF WORK FOR WINDOWS

ALL WORK FOR WINDOW RESTORATION IS UNDER 12113 CASH ALLOWANCES

1. REMOVE BOTH TOP AND BOTTOM SASH.
2. SECURE OPENING AFTER REMOVAL OF SASH.
3. SECURE OPENINGS WITH PLYWOOD PANELS WEATHER TIGHT.
4. PREPARE THE REMOVED SASH FOR TRANSPORTATION TO THE REFURBISHER'S FACILITIES FOR IN-HOUSE RESTORATION TO TAKE PLACE AS SPECIFIED.
5. PERFORM NECESSARY IN-PLACE REMOVAL OF THE EXISTING LEAD BASE PAINT ON THE EXTERIOR OF THE WINDOW JAMB SYSTEM, THE BRICK MOULD, THE HEADER, EXTERIOR STOPS AND SILLS.
6. PERFORM NECESSARY IN PLACE REMOVAL OF THE EXISTING LEAD BASE PAINT ON THE REMAINING INTERIOR PORTION OF THE WINDOW JAMB SYSTEMS CASING, STOOL, APRON STOPS, OR PARTING BEADS, INCLUDING THE INTERIOR RETURN AREAS.
7. PERFORM NECESSARY IN PLACE REPAIRS OR TOTAL REPLACEMENT OF DAMAGED AREAS THAT ARE VISIBLE AT THE WOOD WINDOW'S FRAMES.
8. AFTER IN PLACE REPAIR OR REPLACEMENT: SAND, PRIME AND FINISH PAINT THE EXTERIOR AND INTERIOR OF THE JAMB SYSTEM AS REQUIRED.
9. REMOVE THE EXISTING CAULKING AT THE PERIMETER (EXTERIOR) OF EACH WINDOW FRAME (BRICK MOULD) AND RECAULK.
10. TRANSPORT THE REMOVED WINDOWS SASH FOR IN-HOUSE RESTORATION AS FOLLOWS:
 - A) STAMP OR METAL TAG EACH SASH FRAME FOR PROPER RELOCATION.
 - B) REMOVE THE EXISTING GLASS PANE, AND TAG.
 - C) REMOVE THE EXISTING WINDOW HARDWARE AND TAG.
 - D) STRIP EXISTING PAINT ON EACH WOOD SASH DOWN TO BARE WOOD.
 - E) PERFORM THE BASIC REFURBISHMENT OF EACH EXISTING JAMB BY PATCHING, SPLICING, CONSOLIDATION OR OTHERWISE REINFORCING, REPLACING IN-KIND THE PARTS THAT ARE EITHER EXTENSIVELY DETERIORATED OR, ARE MISSING AND MISMATCHED FROM ORIGINAL SIZE AND SHAPE.
 - F) AFTER REFURBISHMENTS, PRIME THE ENTIRE WINDOW SASH ON THE EXTERIOR AND INTERIOR. PROVIDE THE REQUIRED FINISH PAINT ON EACH WOOD SASH.

WOOD WINDOWS SASH GLAZING: MODIFY EACH EXISTING SASH AND MUTTIN SYSTEM BY ROUTING- CUT THE SASH STILES, RAILS AND MUTTIN BARS TO RECEIVE A 1/2" INSULATED GLASS UNIT. THE TOP SASH WILL BE FIXED (NON-OPERATIVE). THE BOTTOM SASH WILL BE ACTIVE AND WEATHER-STRIPPED. ADDITIONAL SASH WEIGHTS SHALL BE ADDED.

(RS) = WINDOWS TO BE RESTORED

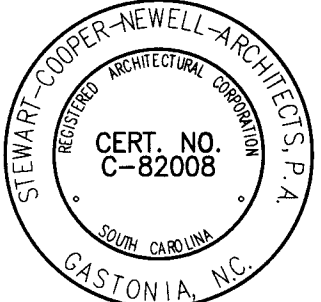
- A) BACK BEADING AND FINISH GLAZING TO BE DOW 795 SILICONE STRUCTURAL SEALANT.
- B) PROVIDE NEW WINDOW HARDWARE, TO MATCH IN STYLE AND DESIGN IN US108 FINISH (OIL RUBBED BRONZE)
- C) REINSTALL THE REFURBISHED WOOD SASH INTO ORIGINAL MARKED LOCATIONS: SEAL ALL SASH CLOSED (NON-OPERATIONAL SASH). TOP SASH IS FIXED. BOTTOM SASH IS OPERATING.

Project No.
1390

Date
07.10.2015
Drawn
GLM/KFP
Checked
JCS
Revisions

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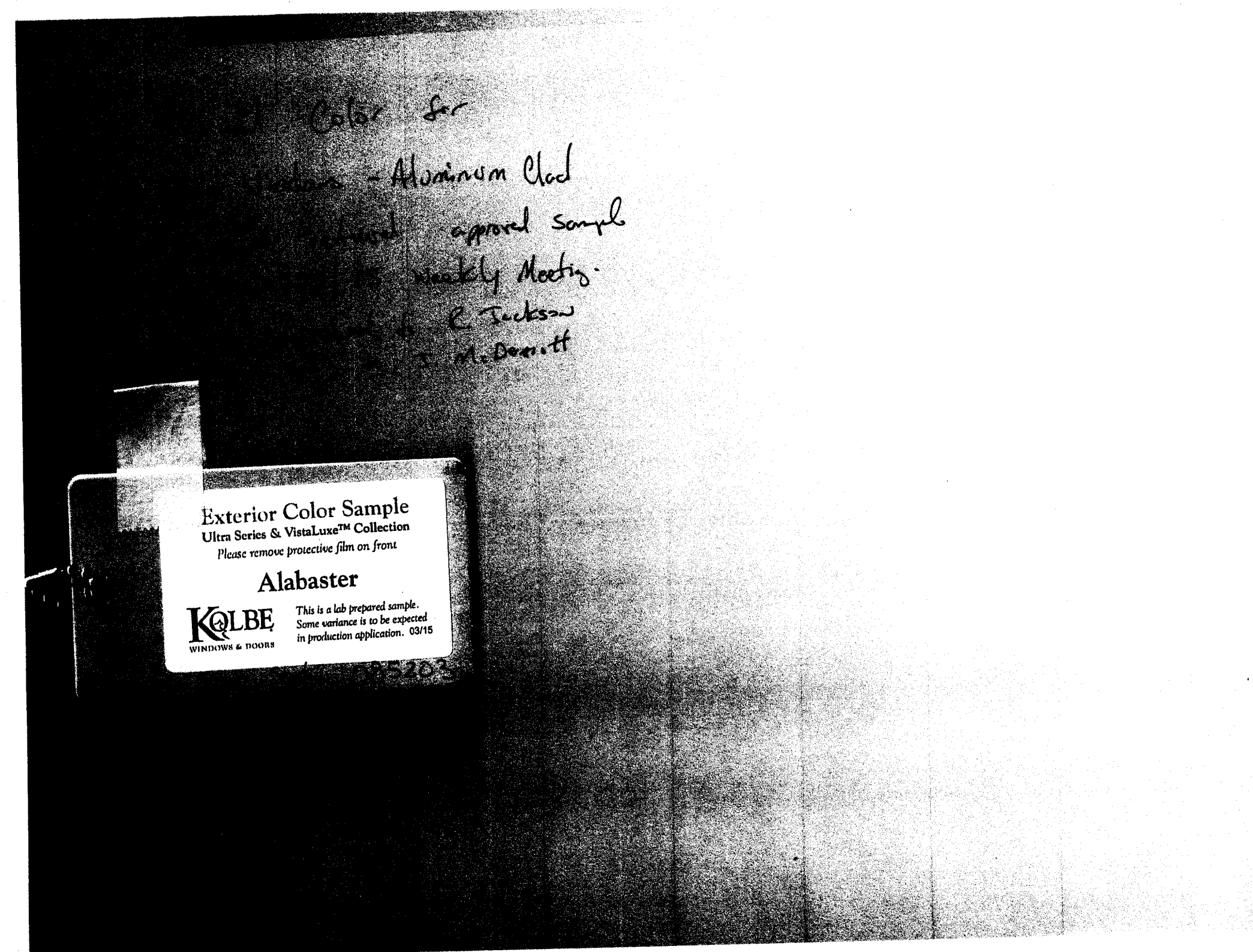
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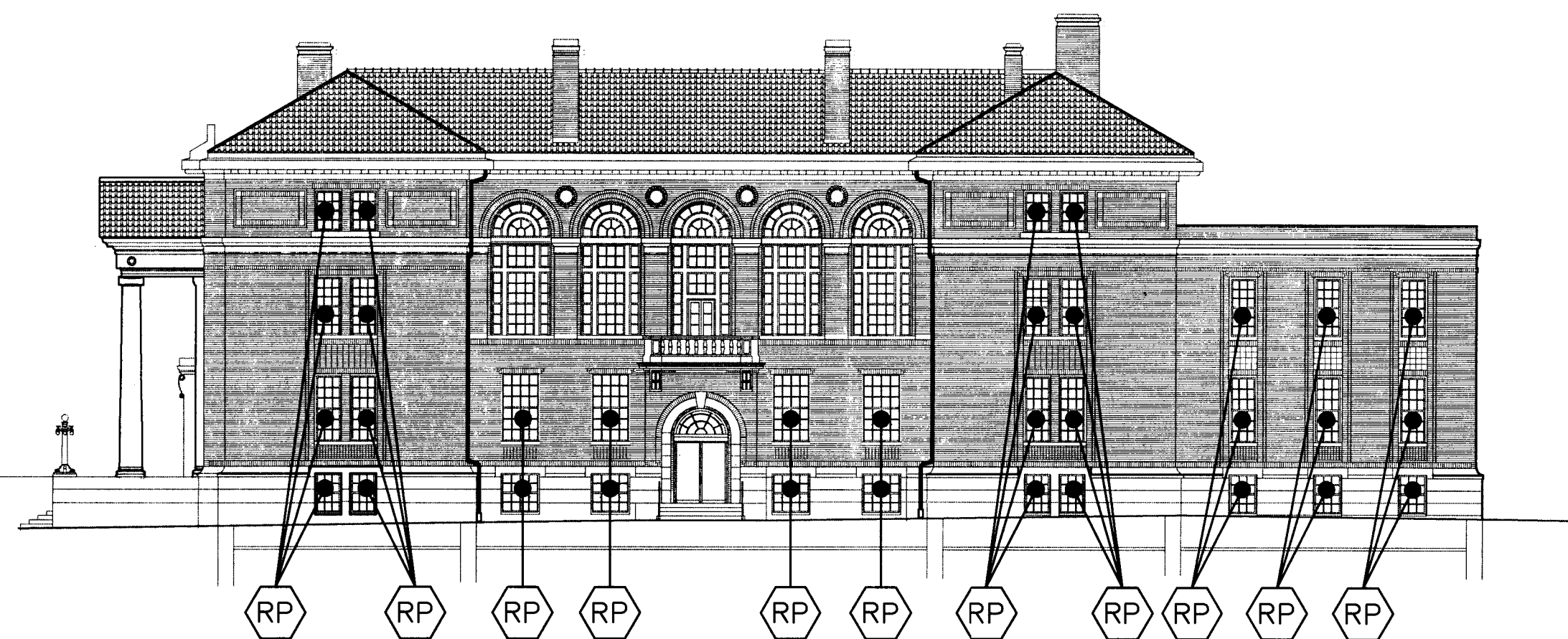
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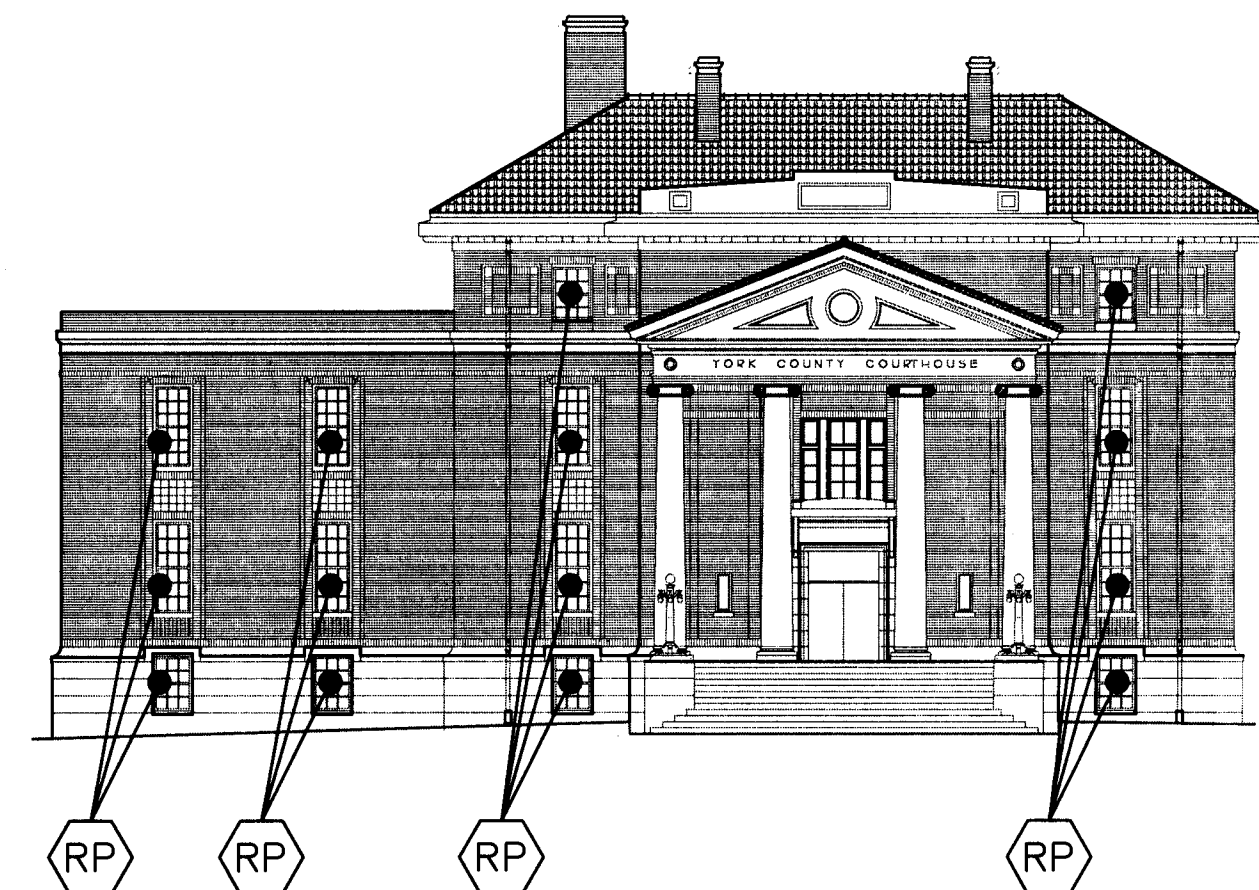
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
WINDOW RESTORATION ELEVATIONS

sheet 4.60

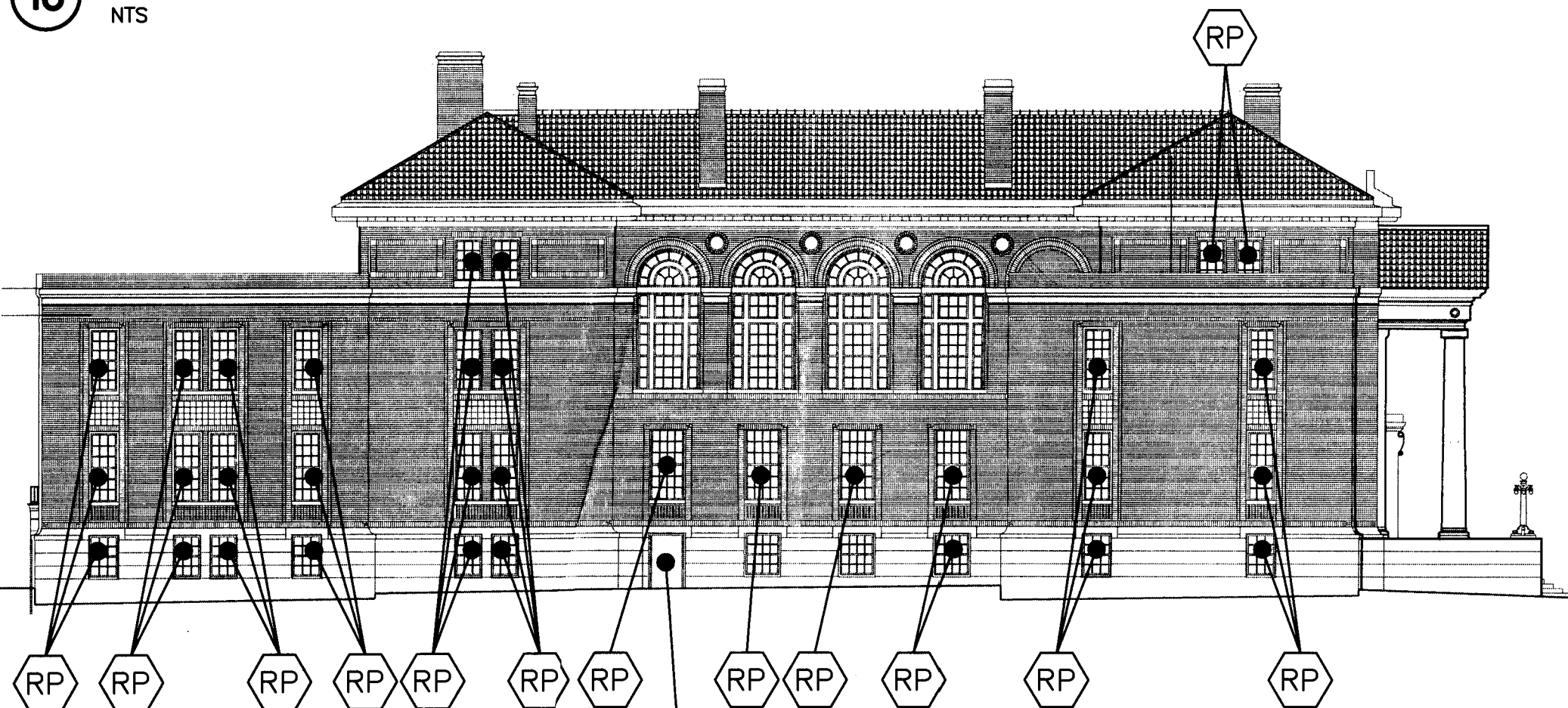




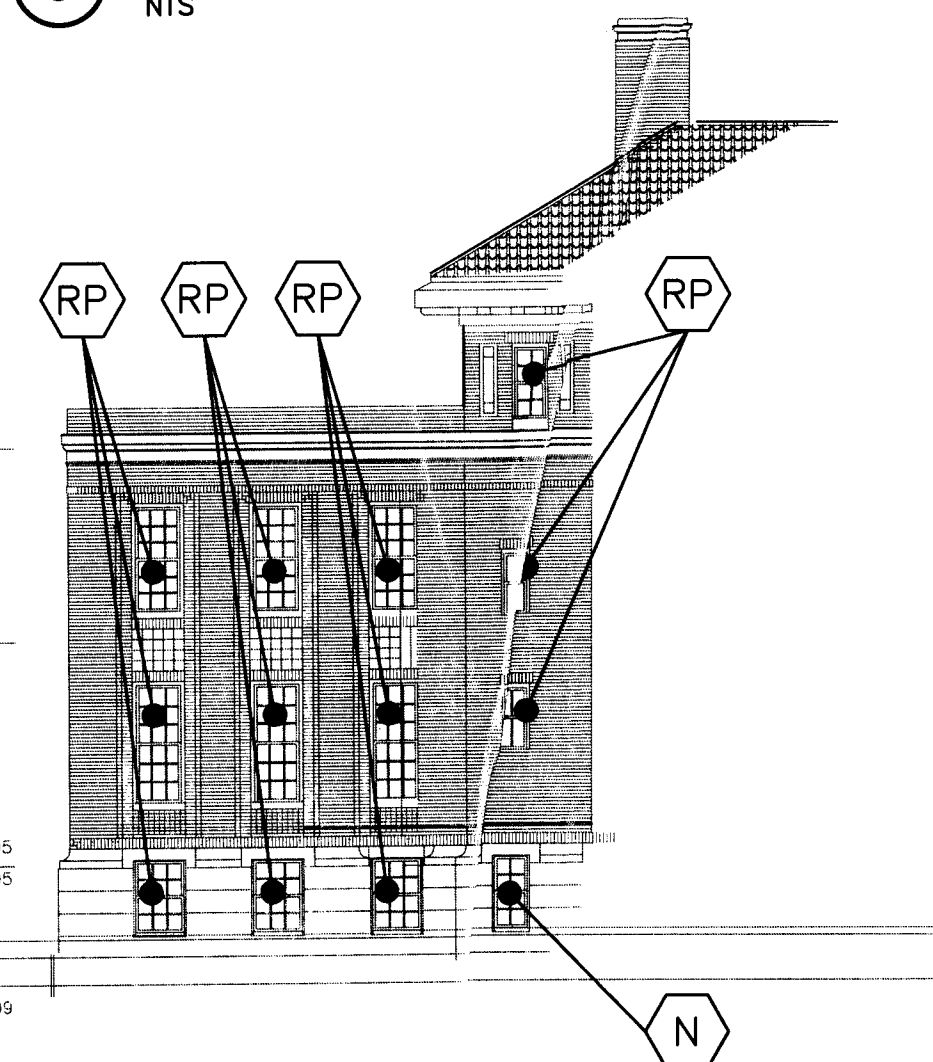
11 ELEVATION
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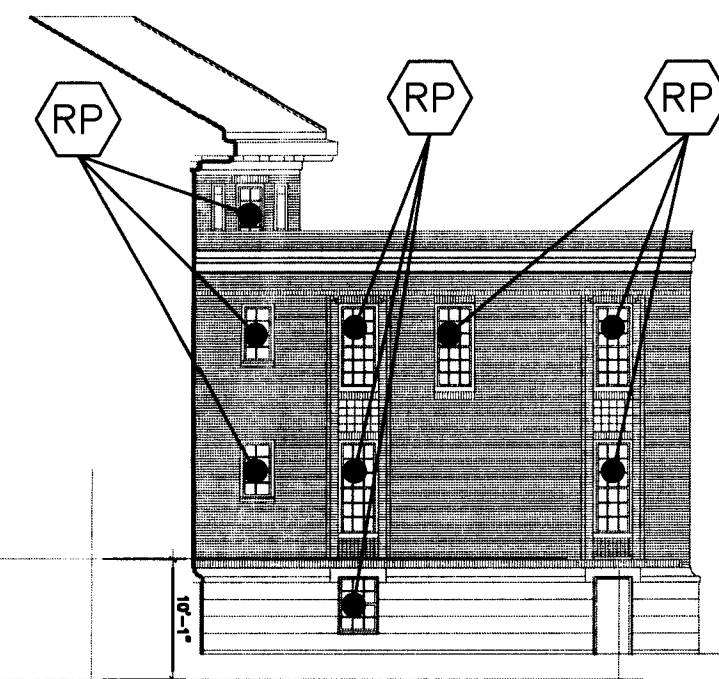
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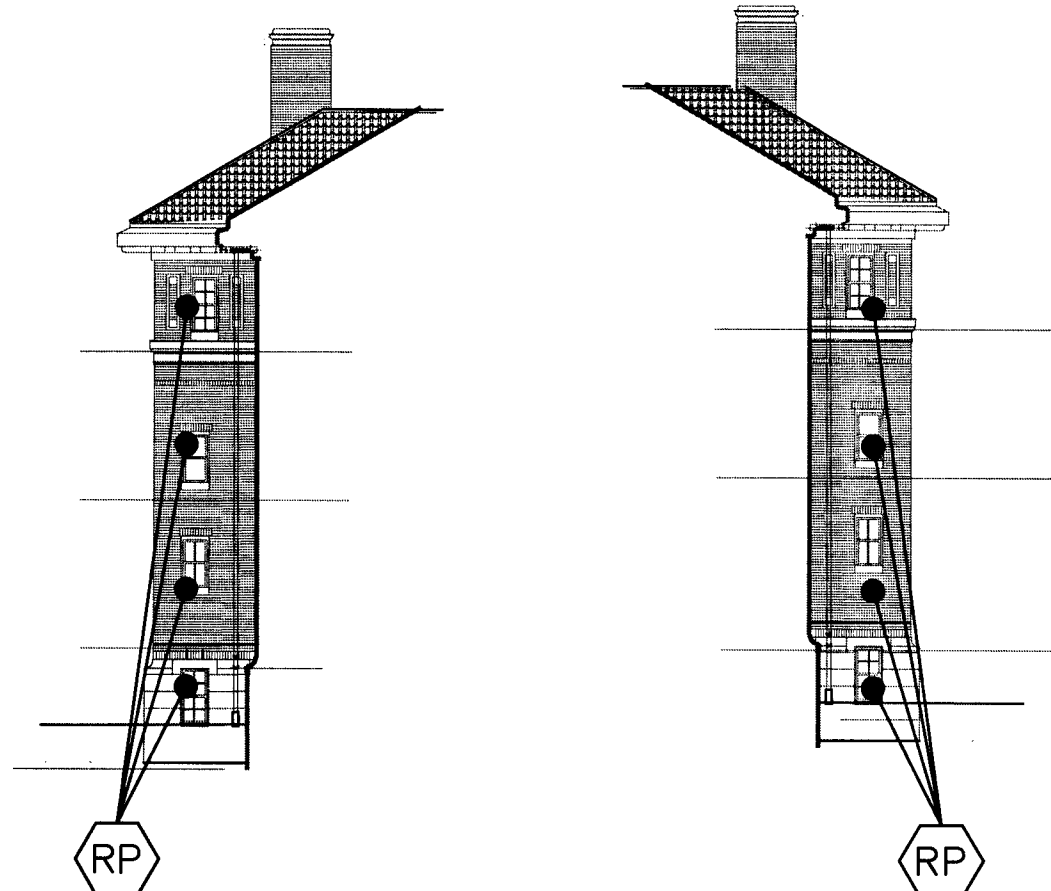
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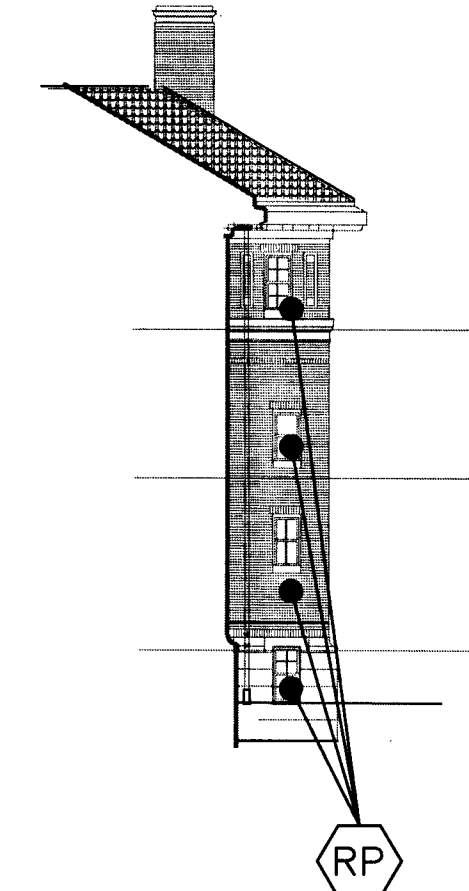
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7 ELEVATION
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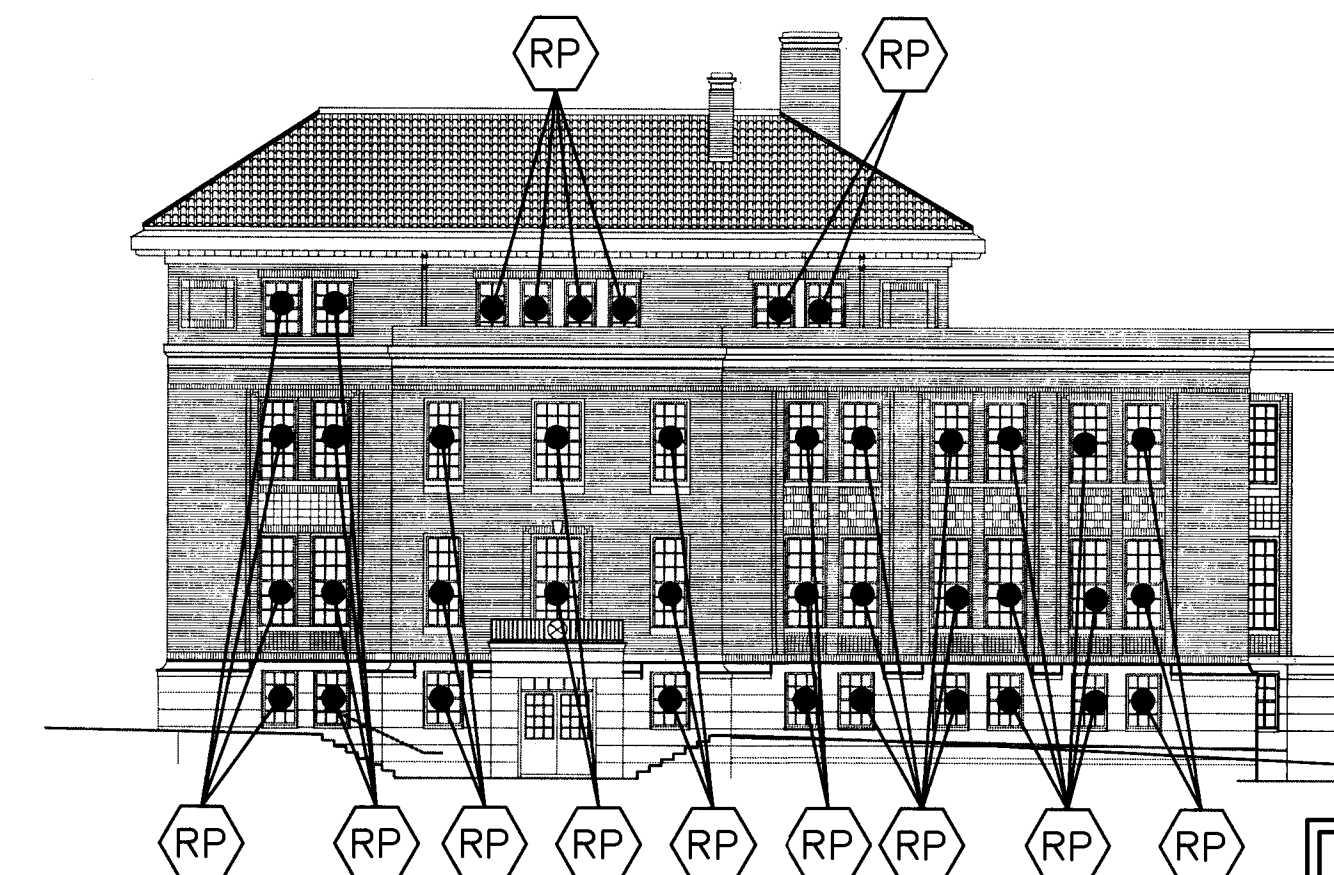
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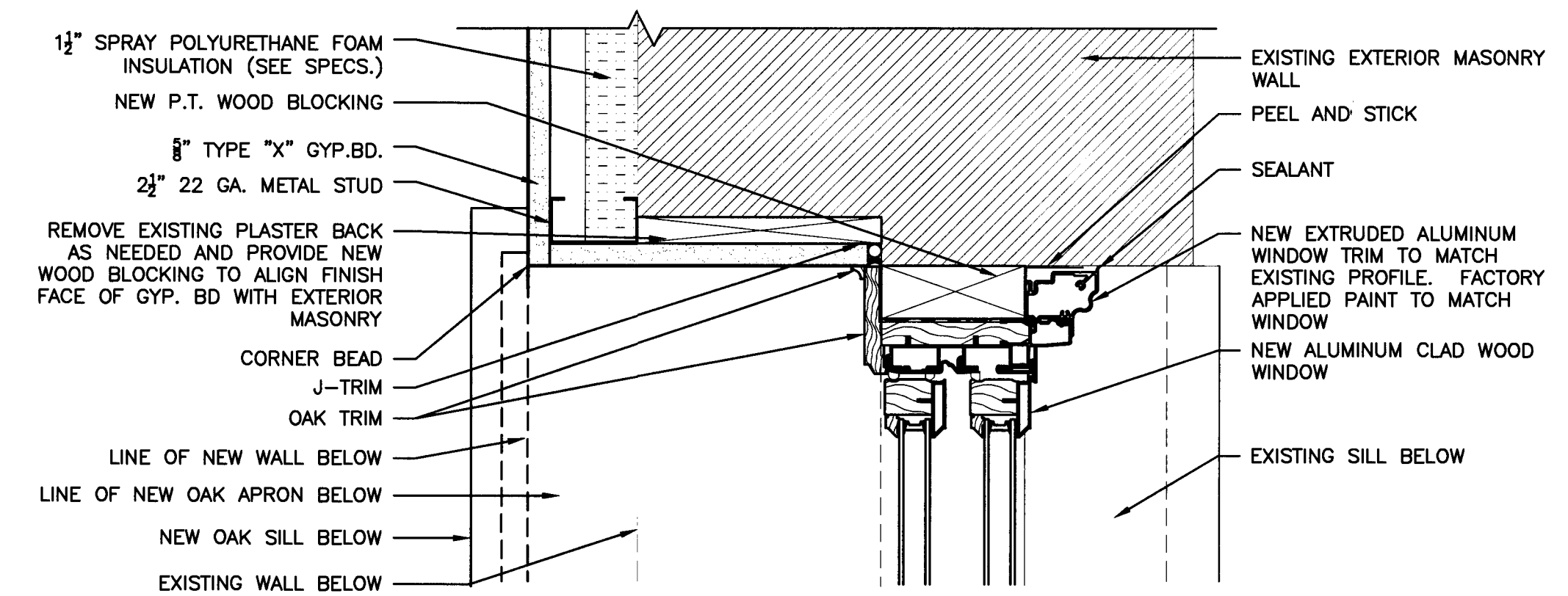
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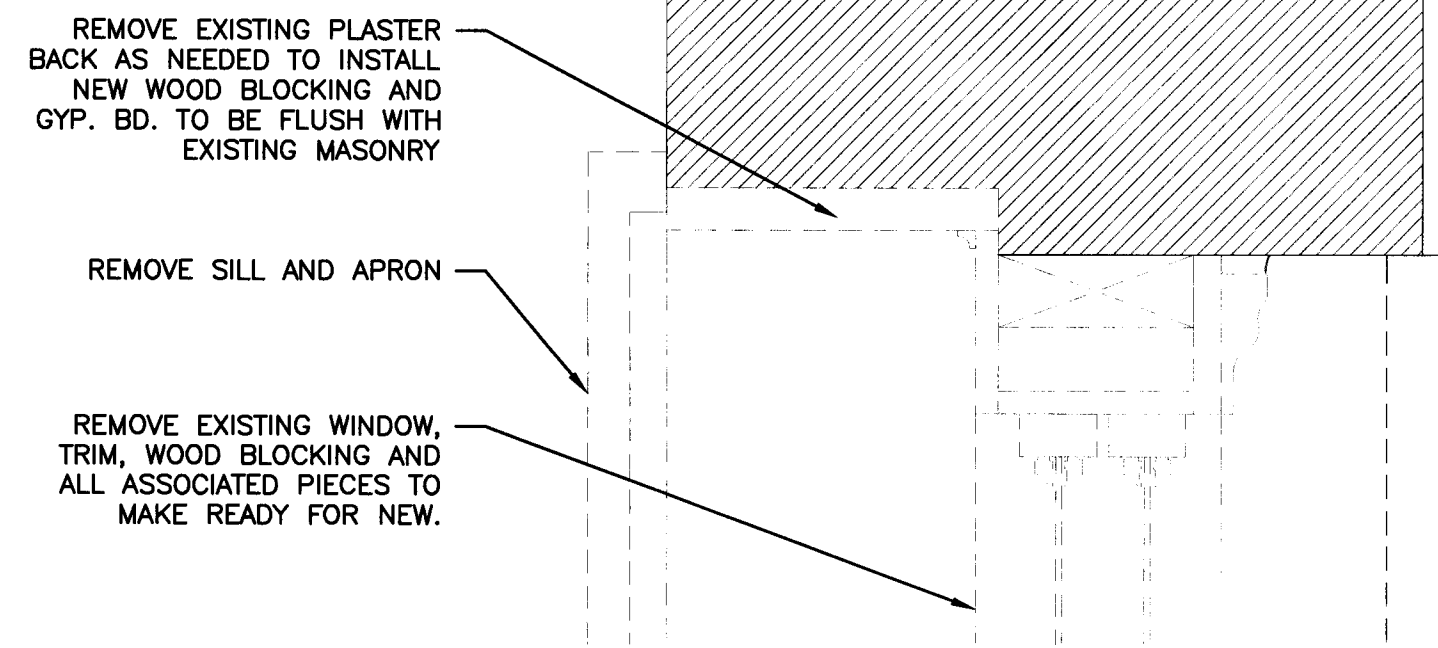
5 PHOTO OF EXISTING WINDOW
SILL/JAMB DETAIL
SCALE: N.T.S.



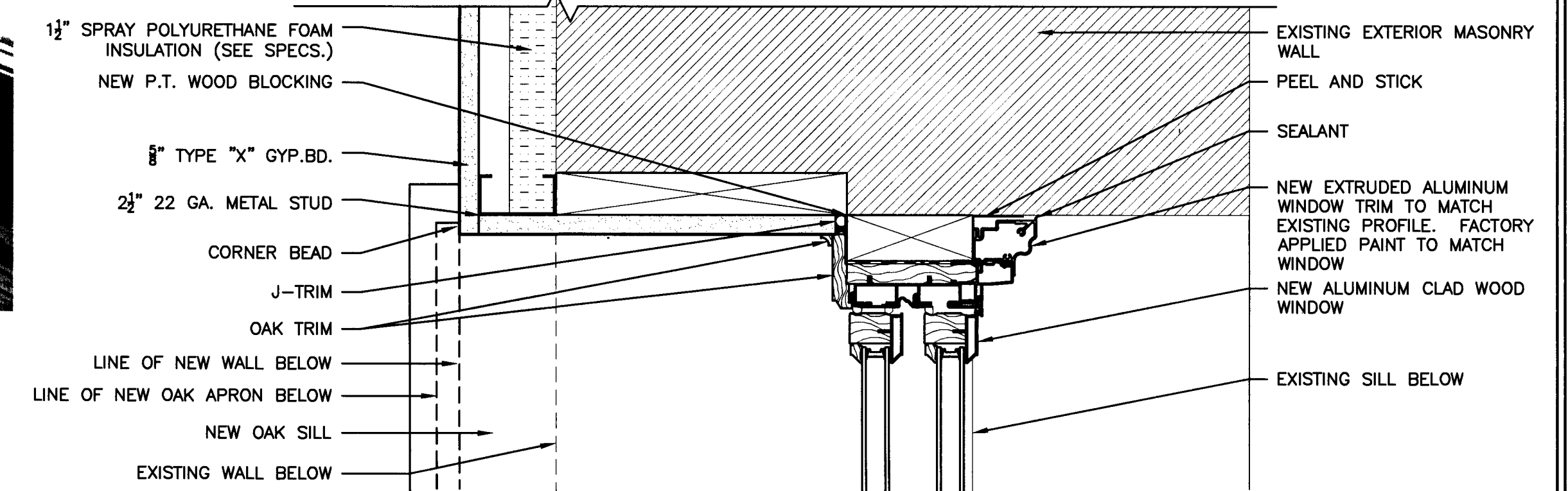
6 ELEVATION
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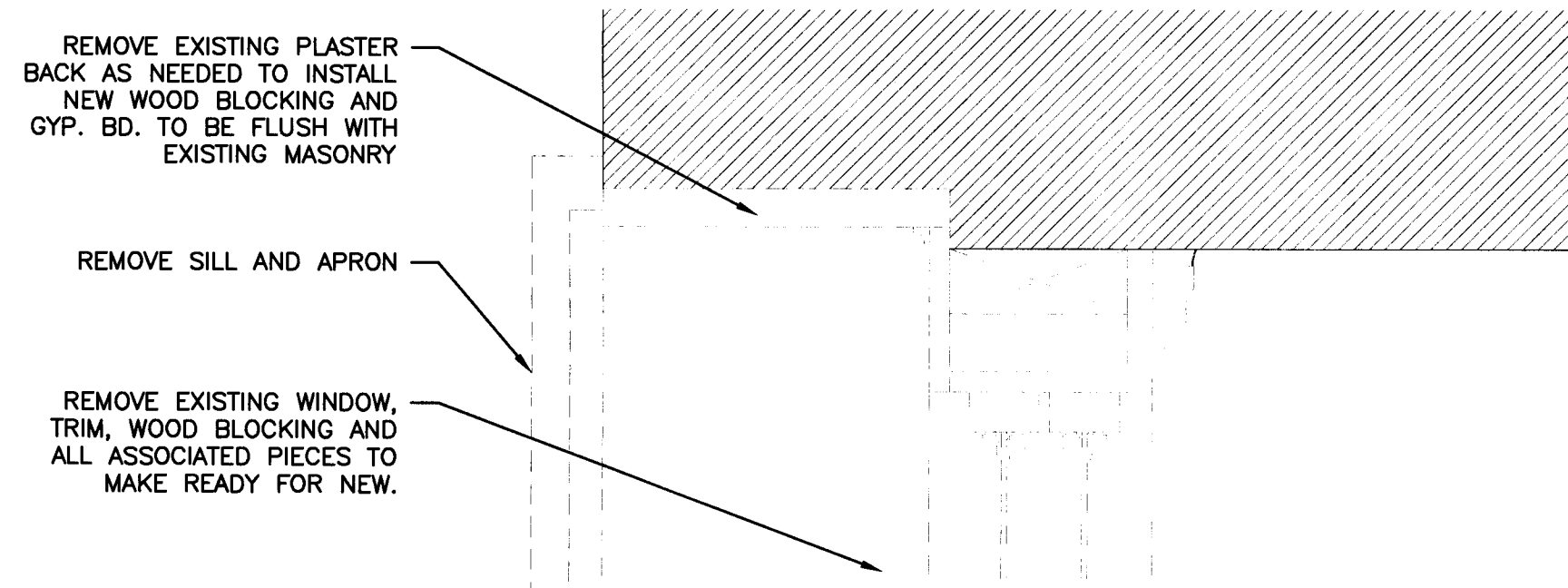
4 WINDOW JAMB DETAIL AT BRICK
SCALE: 3"=1'-0"



3 DEMO WINDOW JAMB DETAIL AT BRICK
SCALE: 3"=1'-0"



2 WINDOW JAMB DETAIL AT LIMESTONE
SCALE: 3"=1'-0"



1 DEMO WINDOW JAMB DETAIL AT LIMESTONE
SCALE: 3"=1'-0"

IMPORTANT NOTE:
ALL EXISTING WOOD TRIM, APRONS AND WINDOW SILLS SHALL BE REPLACED WITH NEW SLICED RED OAK AS REQUIRED

RP WINDOWS TO BE REPLACED

N NEW WINDOWS TO BE PLACED IN EXISTING DOOR OPENINGS SEE SECTIONS SHEETS 5.32 & 5.33

NOTE

1. BACK PRIME ALL WOOD BLOCKING @ DOOR & WINDOW OPENINGS

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

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Drawn
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Checked
JCS
Revisions

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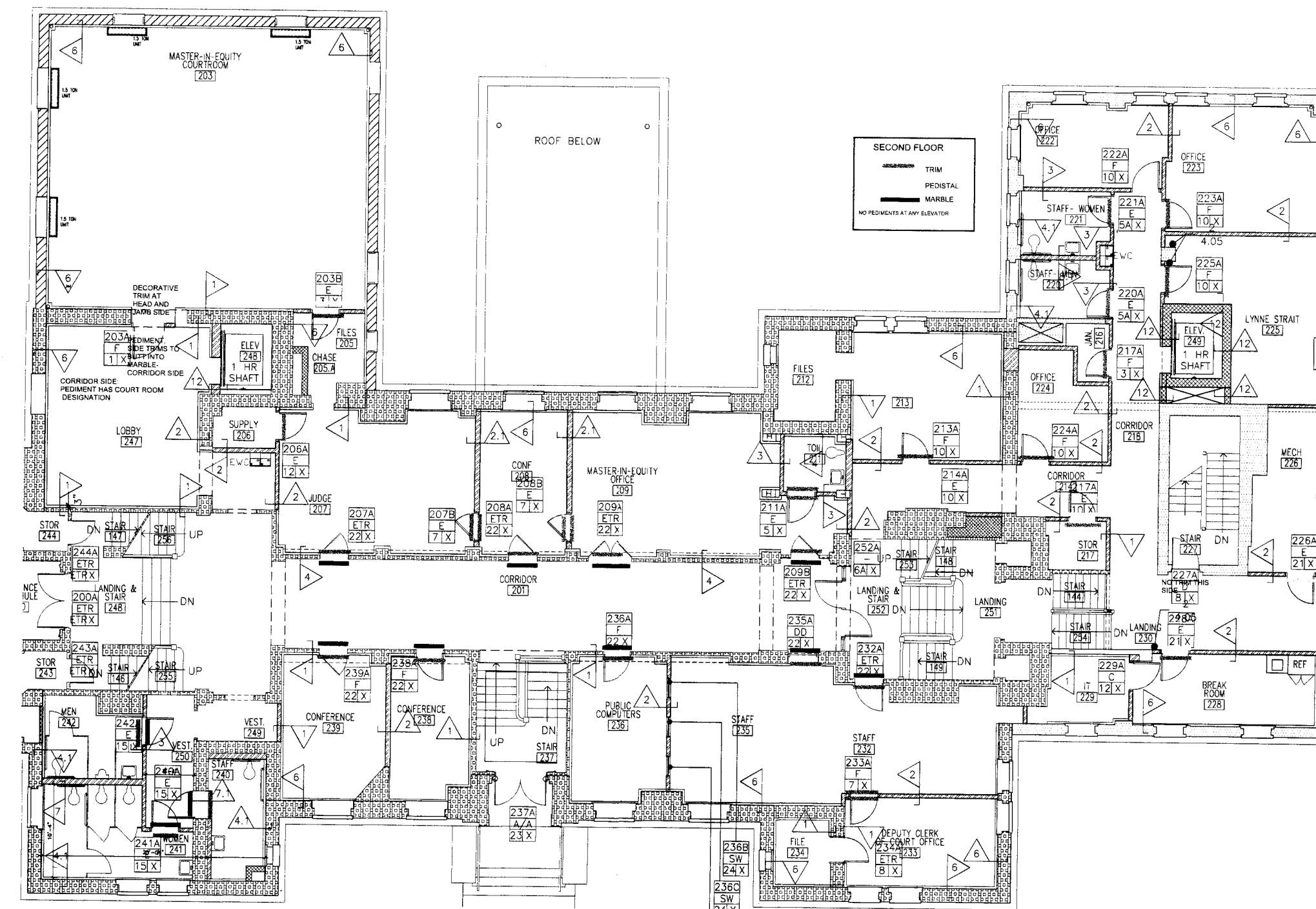
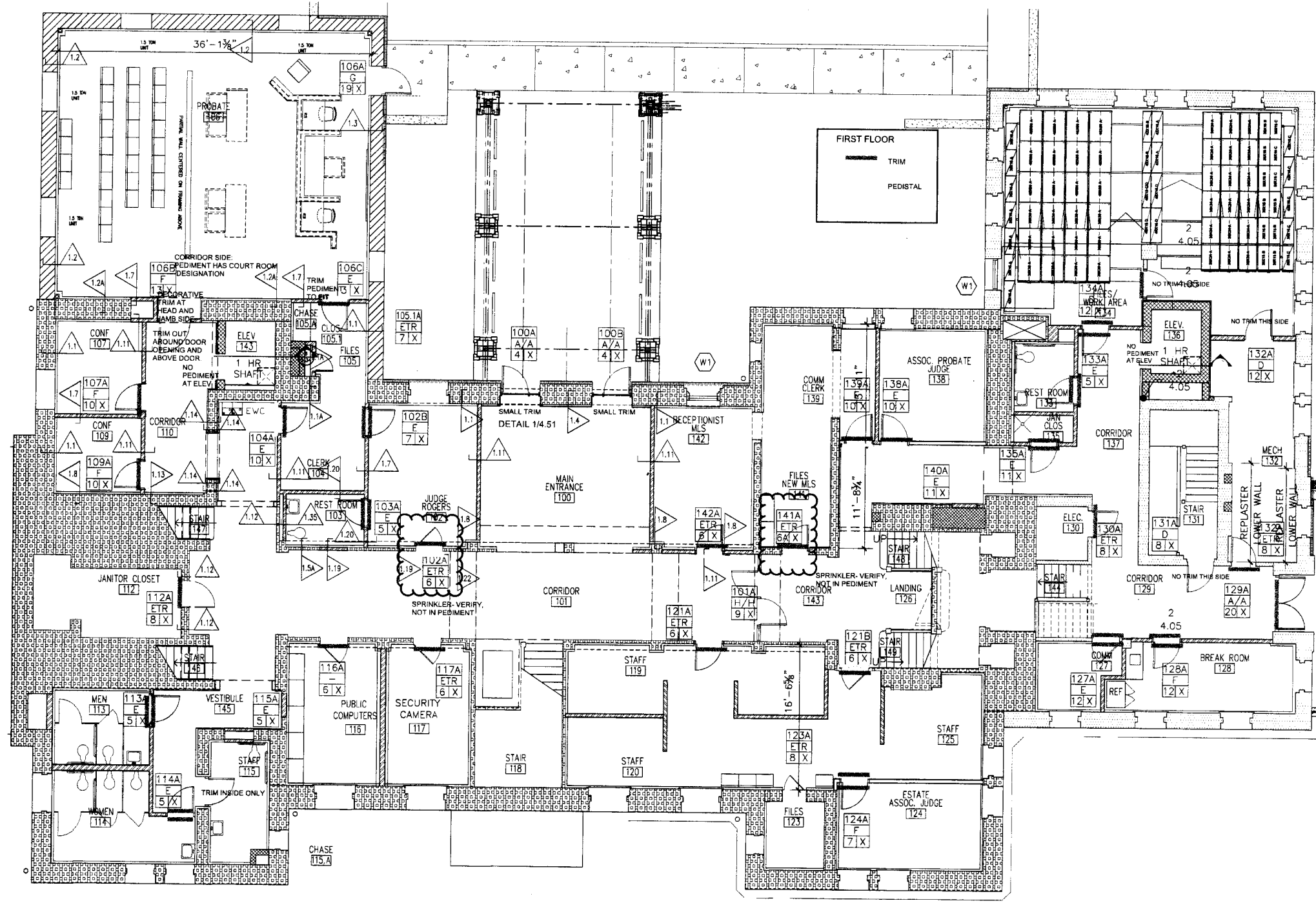


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
WINDOW ELEVATIONS

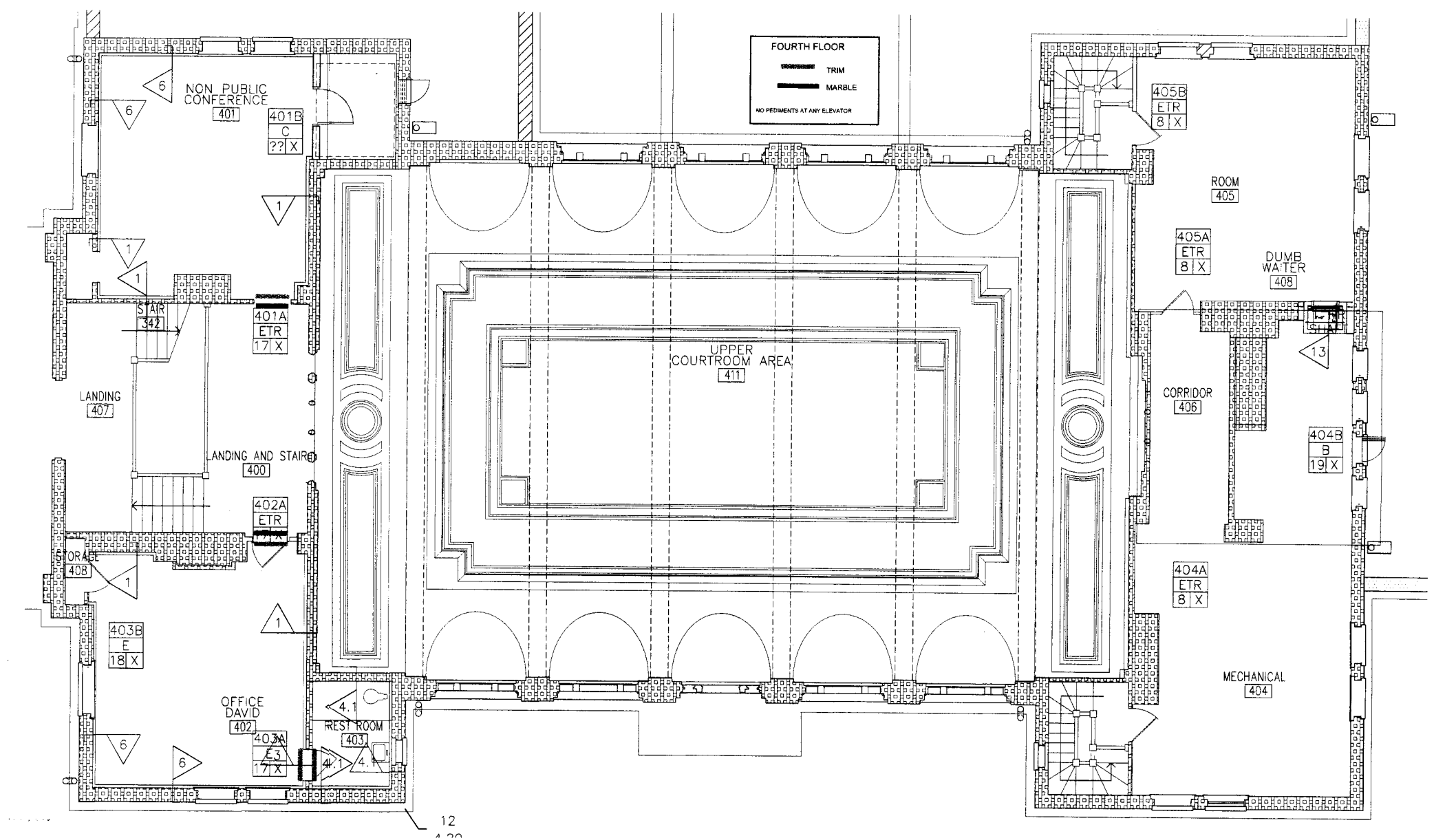
sheet 4.61

Revised Door Trim from SCNA 08.24.16

1 of 4

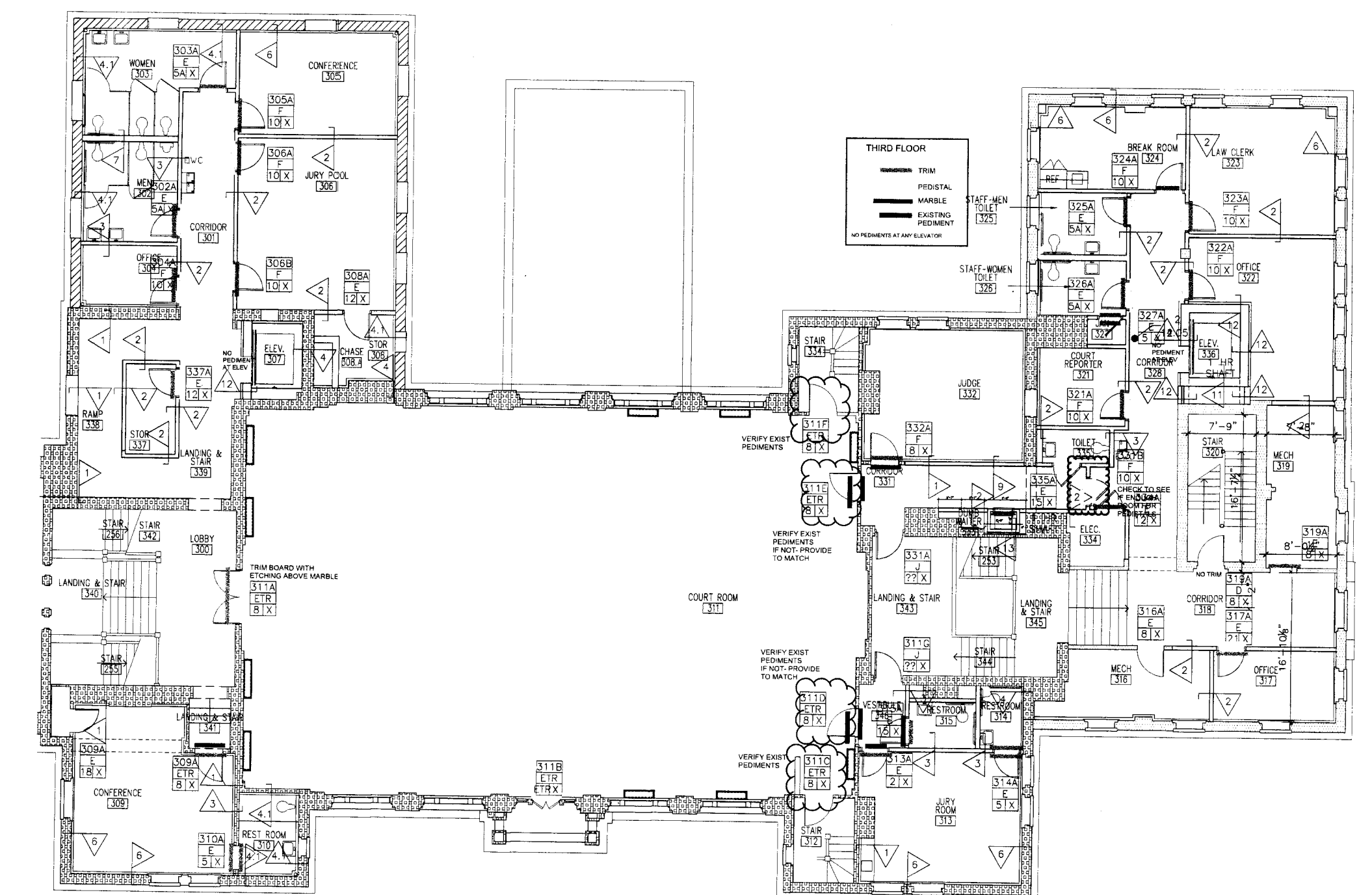
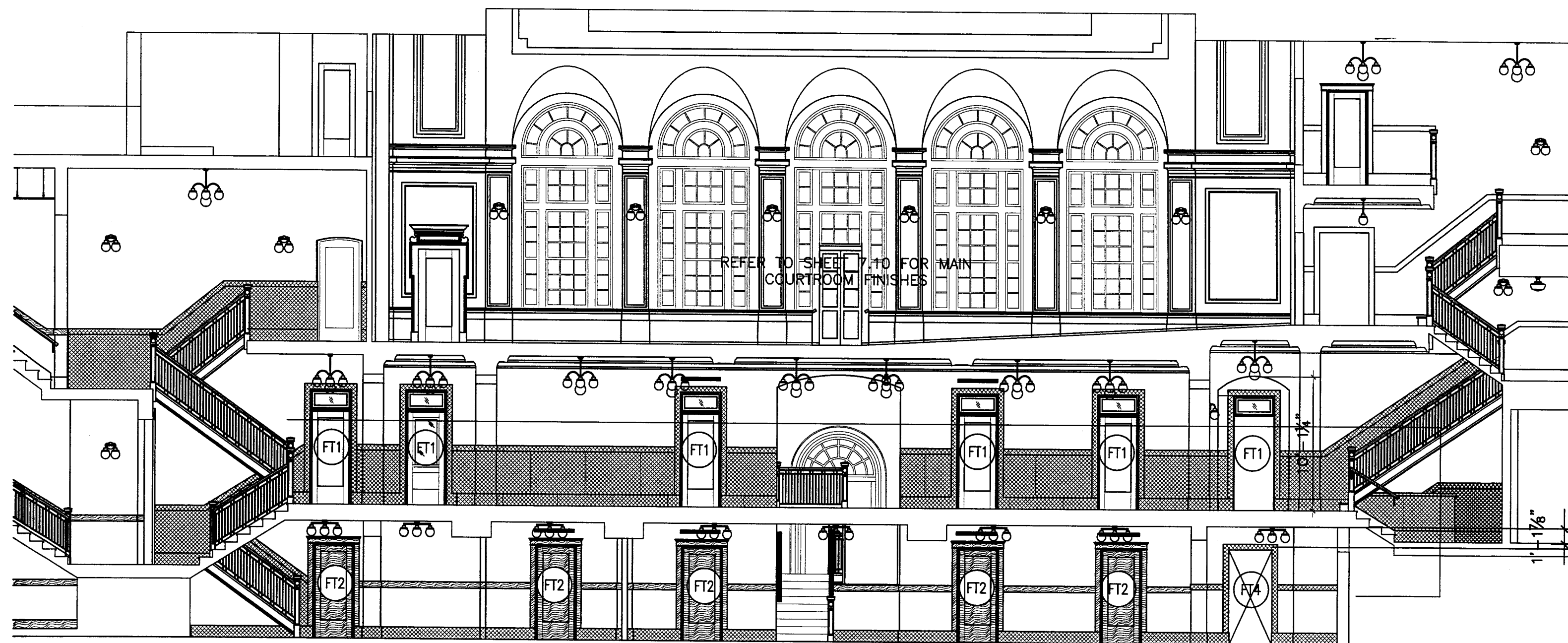


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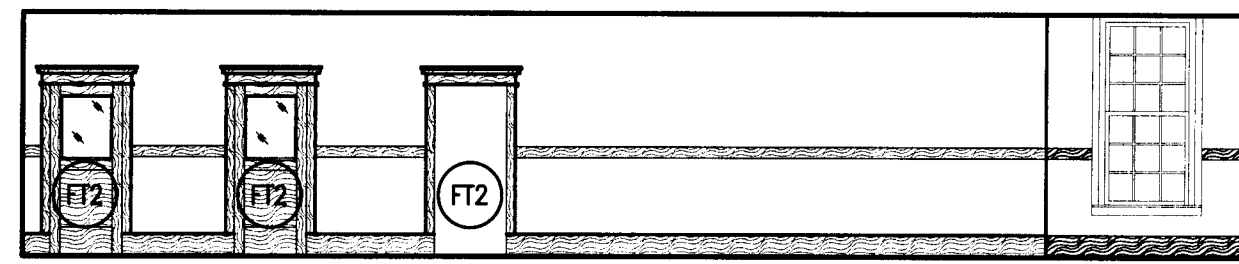


3 of 4

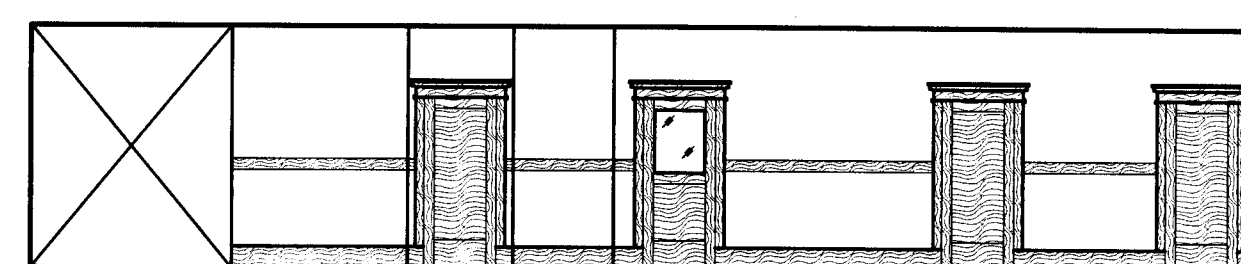
Revised Decorative Light Fixtures



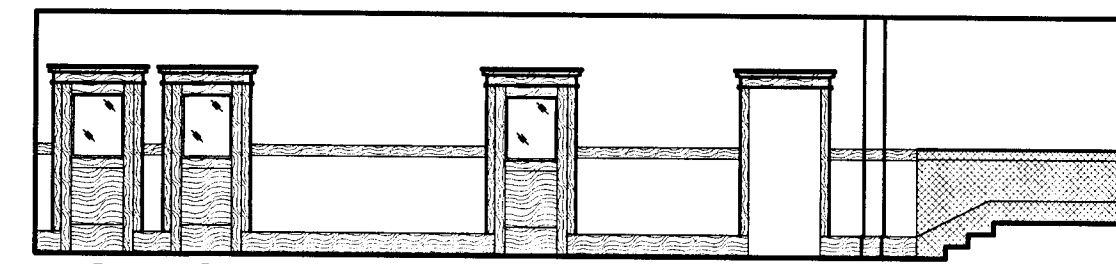
4 of 4



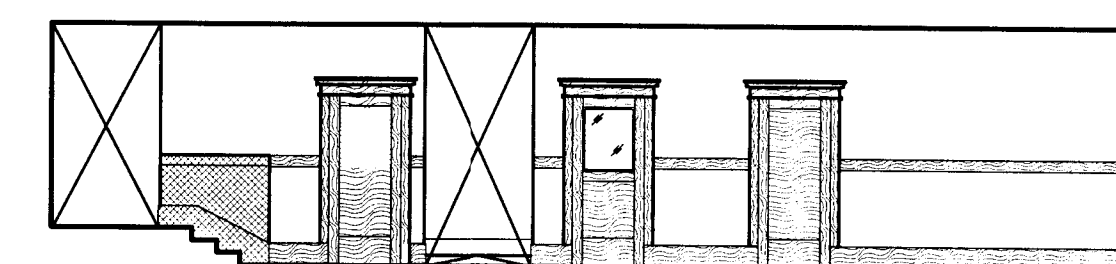
1 CORRIDOR 328 EAST
SCALE: 1/8"=1'-0"



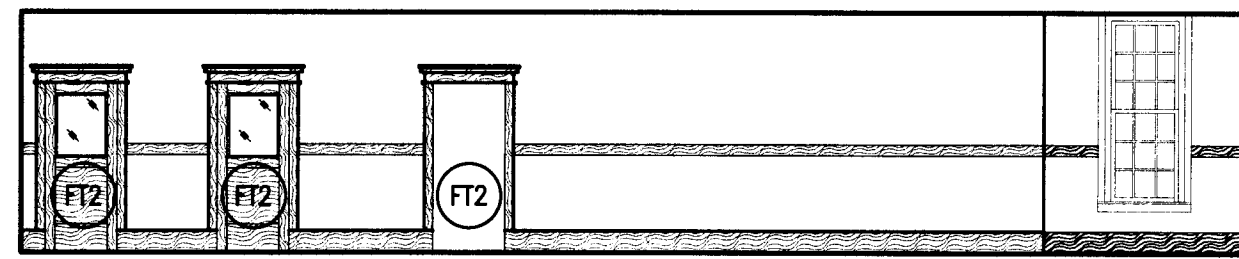
4 CORRIDOR 328 WEST
SCALE: 1/8"=1'-0"



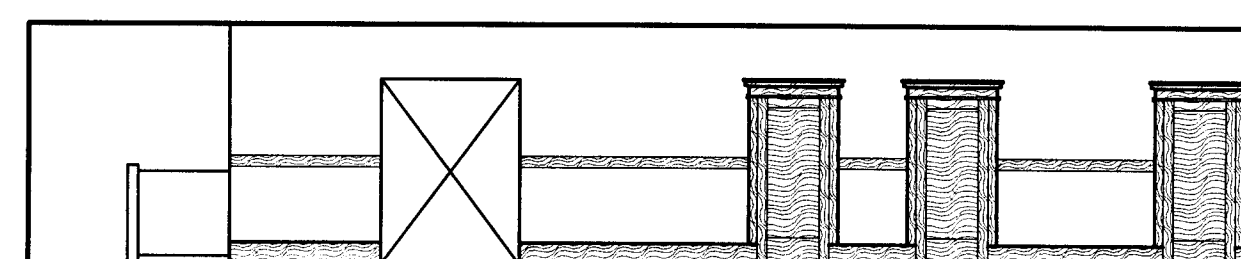
7 CORRIDOR 301 EAST
SCALE: 1/8"=1'-0"



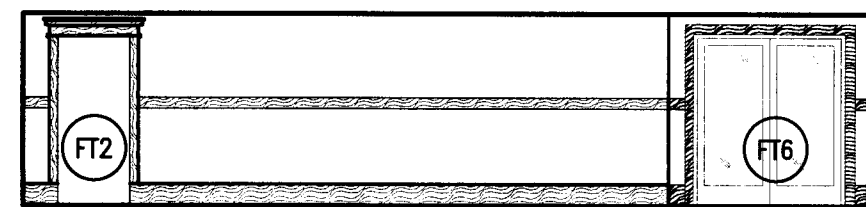
10 CORRIDOR 301 WEST
SCALE: 1/8"=1'-0"



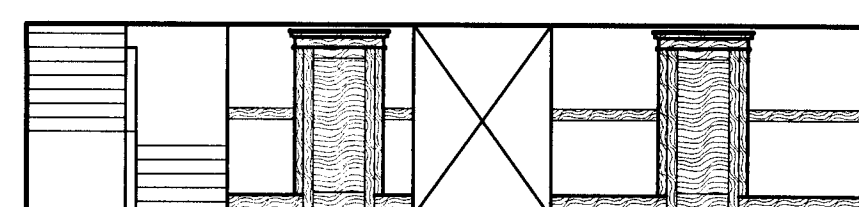
2 CORRIDOR 218 EAST
SCALE: 1/8"=1'-0"



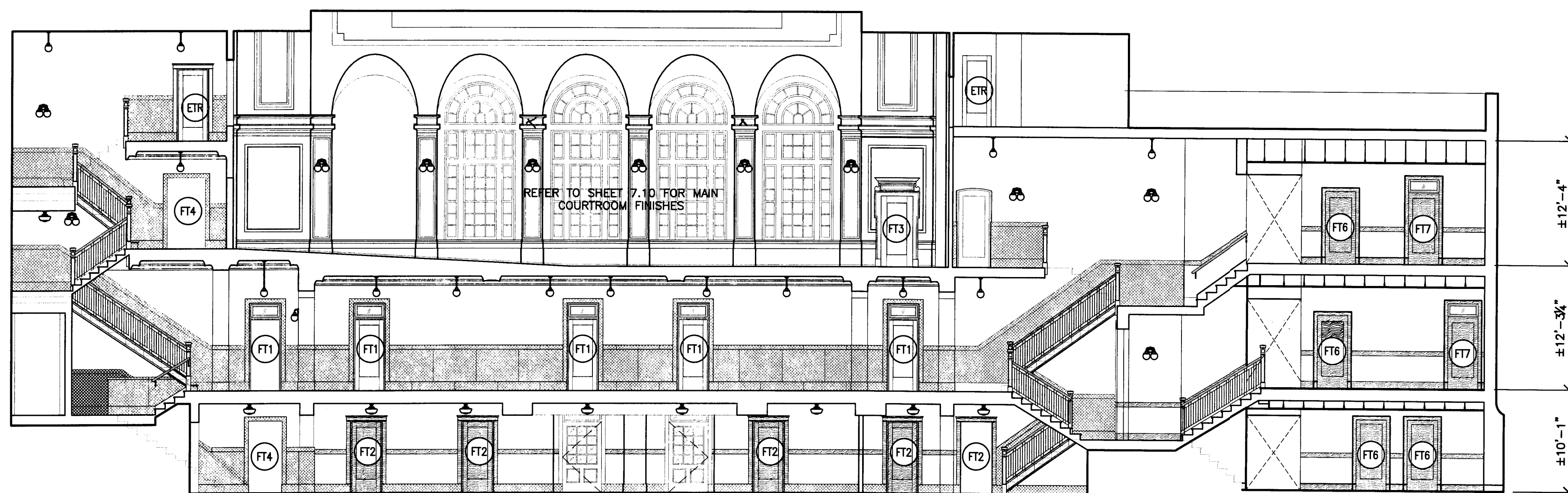
5 CORRIDOR 218 WEST
SCALE: 1/8"=1'-0"



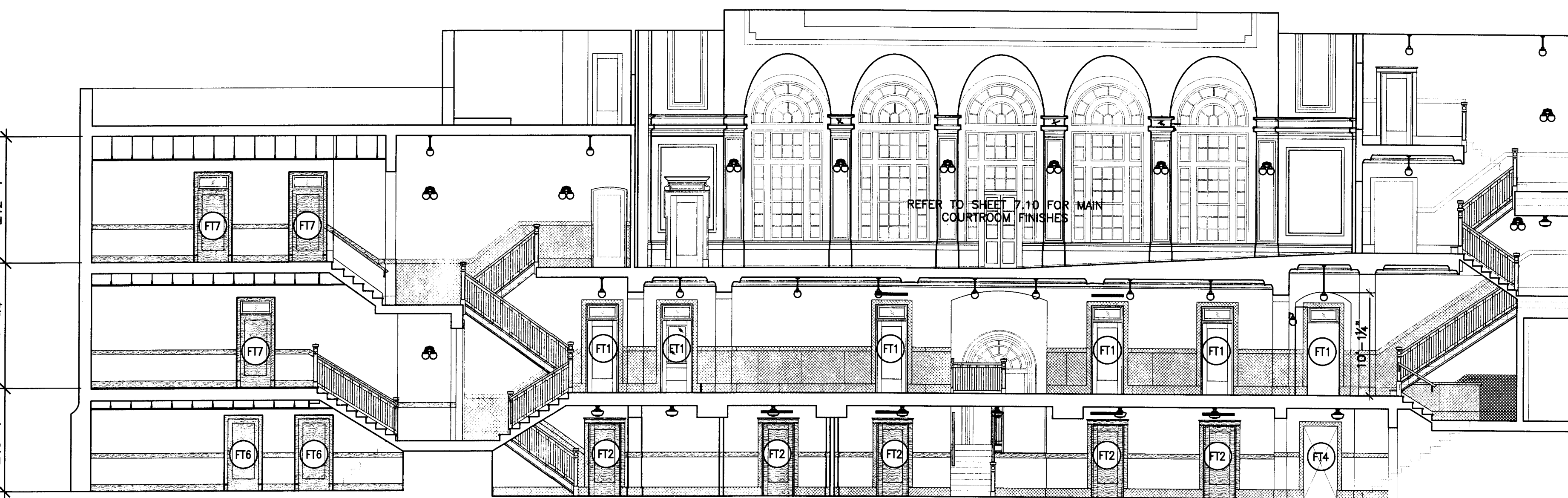
3 CORRIDOR 137 EAST
SCALE: 1/8"=1'-0"



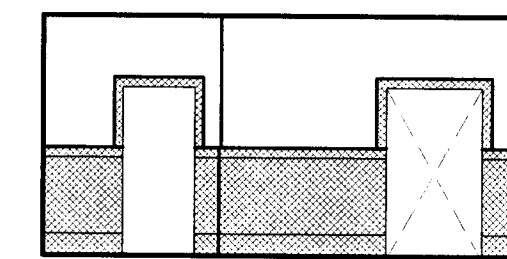
6 CORRIDOR 137 WEST
SCALE: 1/8"=1'-0"



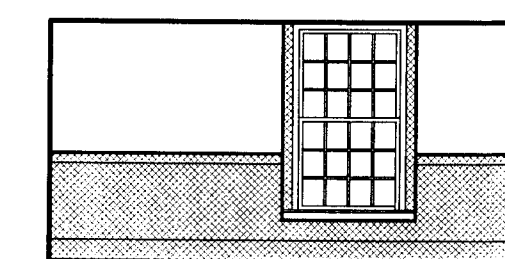
15 CORRIDOR 328 EAST
SCALE: 1/8"=1'-0"



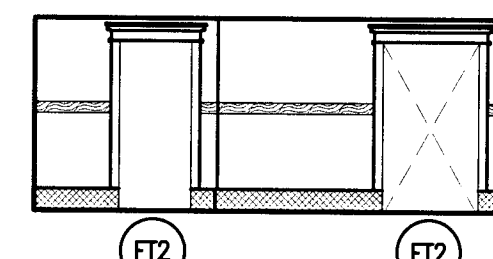
16 CORRIDOR 328 EAST
SCALE: 1/8"=1'-0"



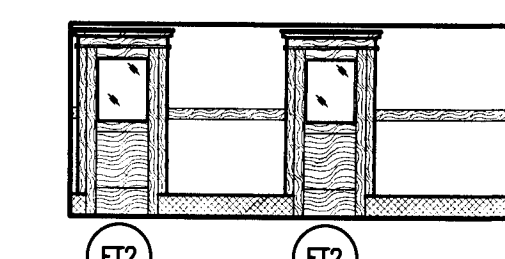
8 CORRIDOR 247 EAST
SCALE: 1/8"=1'-0"



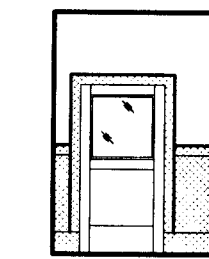
11 CORRIDOR 247 WEST
SCALE: 1/8"=1'-0"



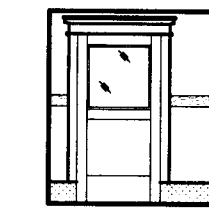
9 CORRIDOR 110 EAST
SCALE: 1/8"=1'-0"



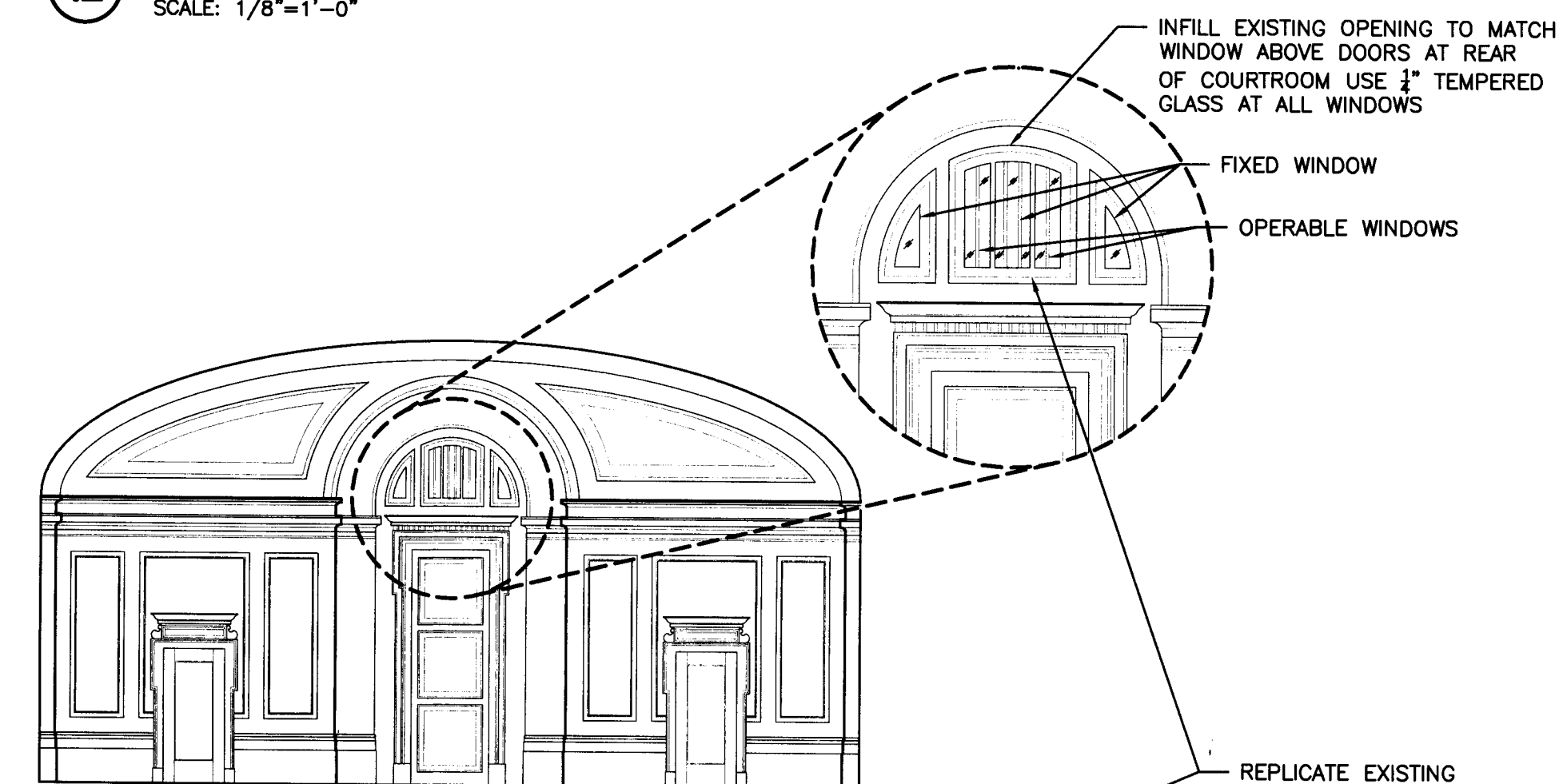
12 CORRIDOR 110 WEST
SCALE: 1/8"=1'-0"



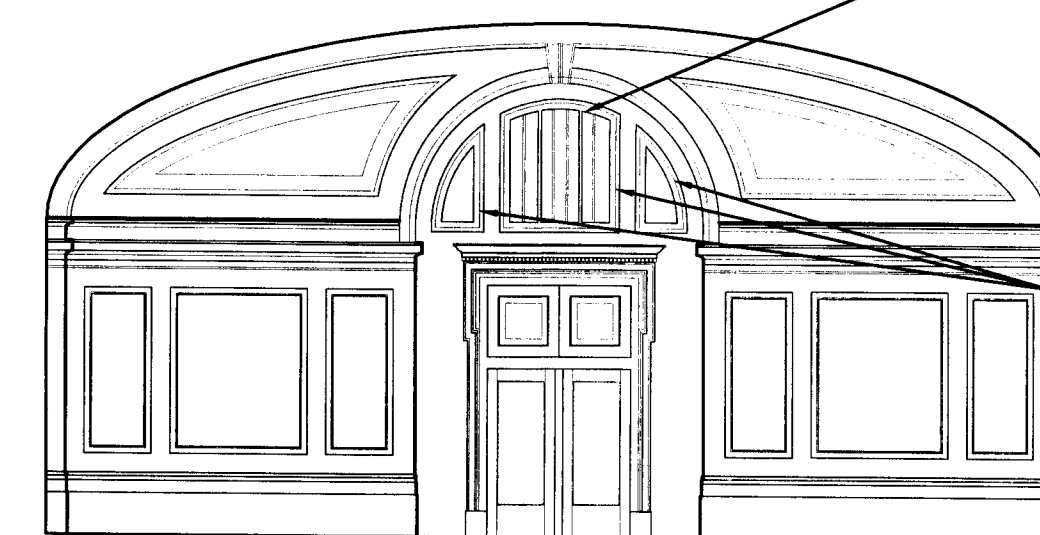
13 CORRIDOR 247 NORTH
SCALE: 1/8"=1'-0"



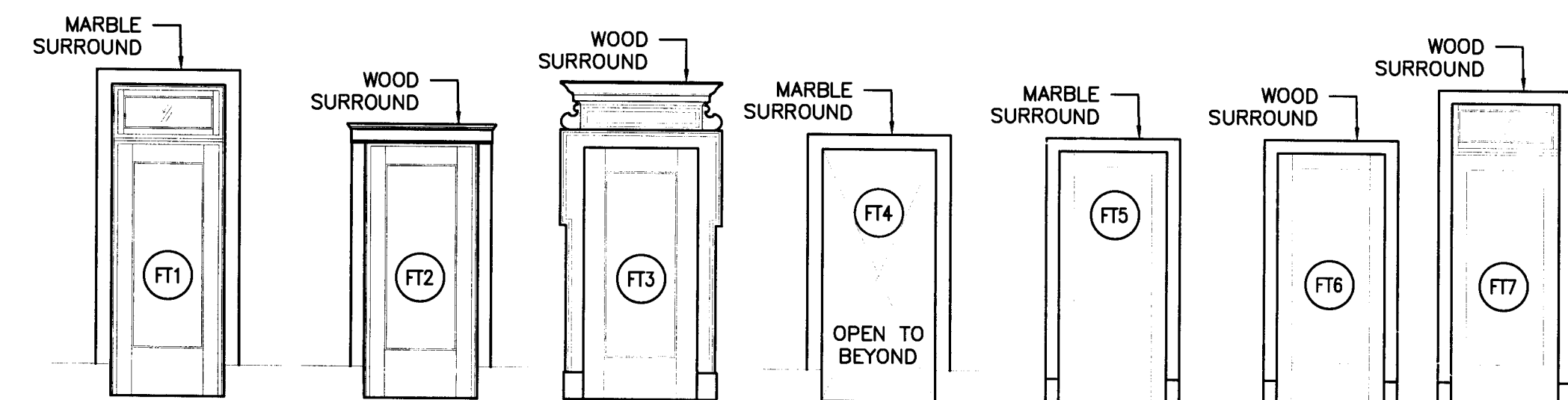
14 CORRIDOR 110 NORTH
SCALE: 1/8"=1'-0"



17 COURTROOM 311 FRONT
SCALE: 1/8"=1'-0"



18 COURTROOM 311 REAR
SCALE: 1/8"=1'-0"



GENERAL NOTE:
1. WOOD TRIM TO MATCH EXISTING WOOD SPECIES, SIZE AND PROFILE
2. MARBLE TRIM TO MATCH EXISTING COLOR, SIZE AND PROFILE.

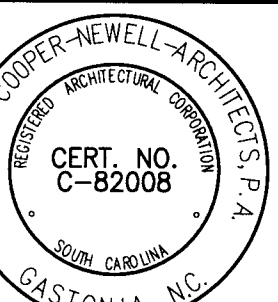
19 FRAME TRIM TYPES
SCALE: 1/8"=1'-0"

Project No.
1390

Date
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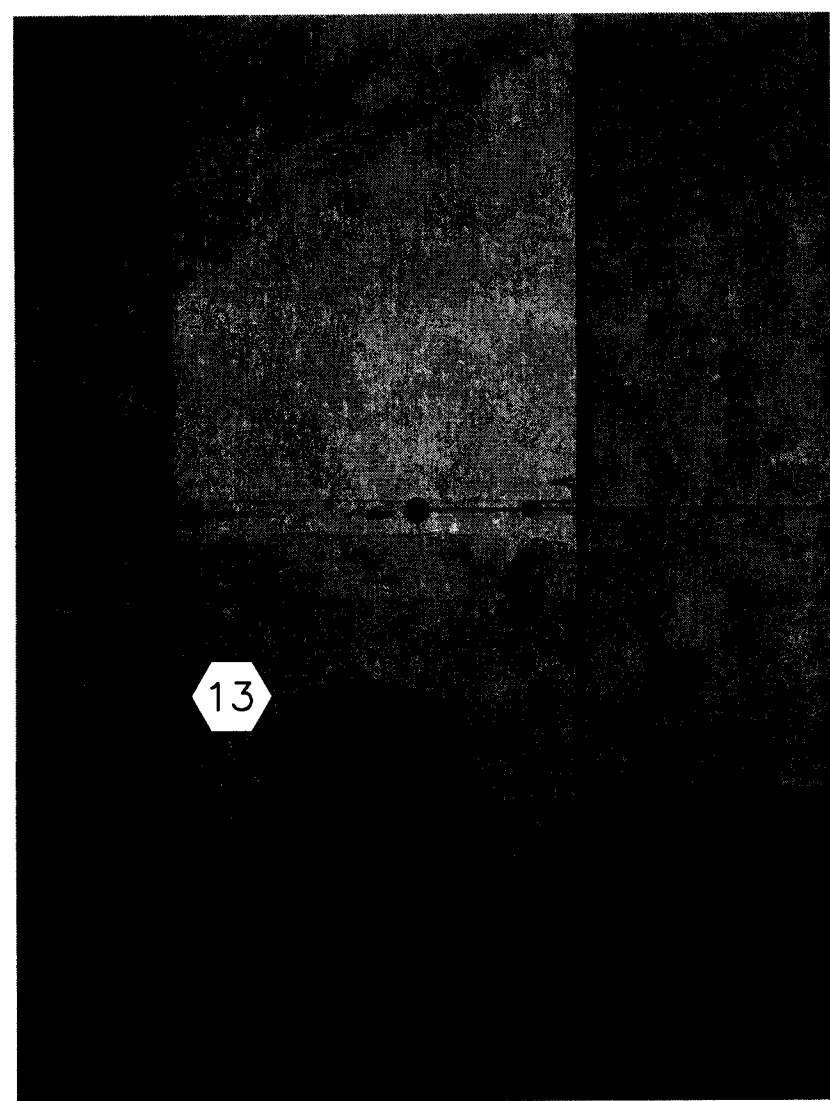
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
INTERIOR ELEVATIONS

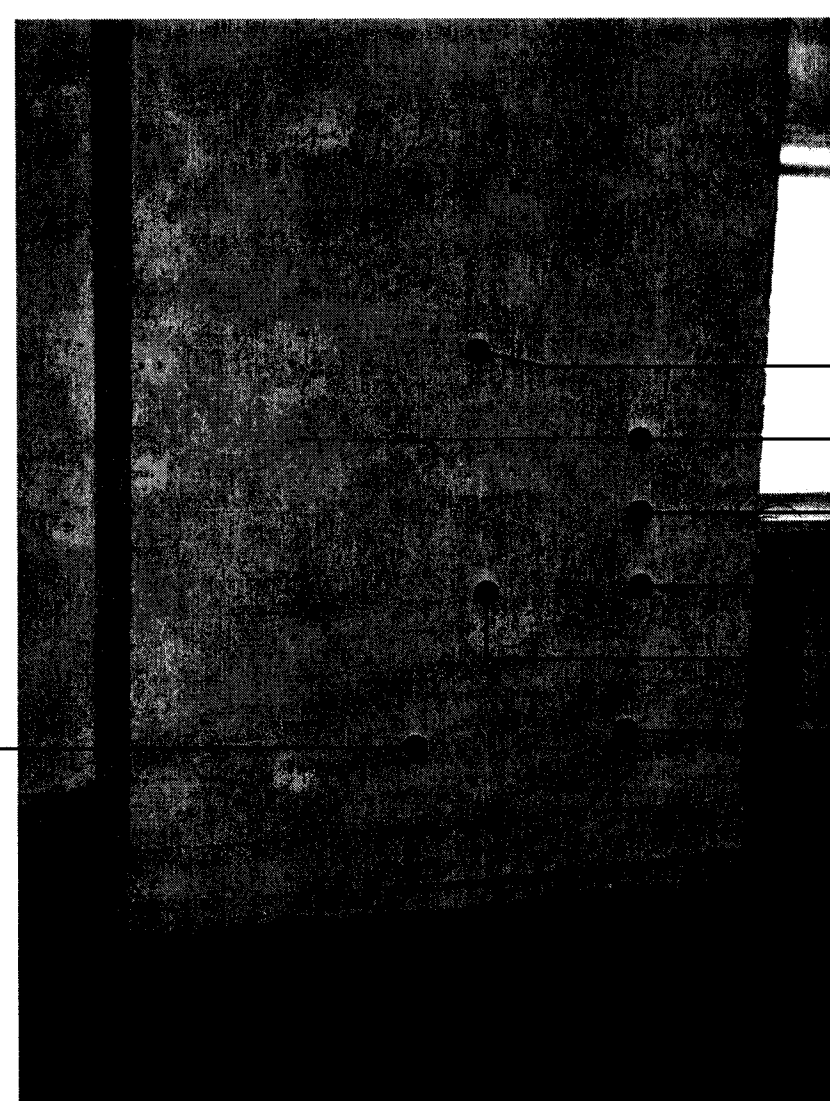
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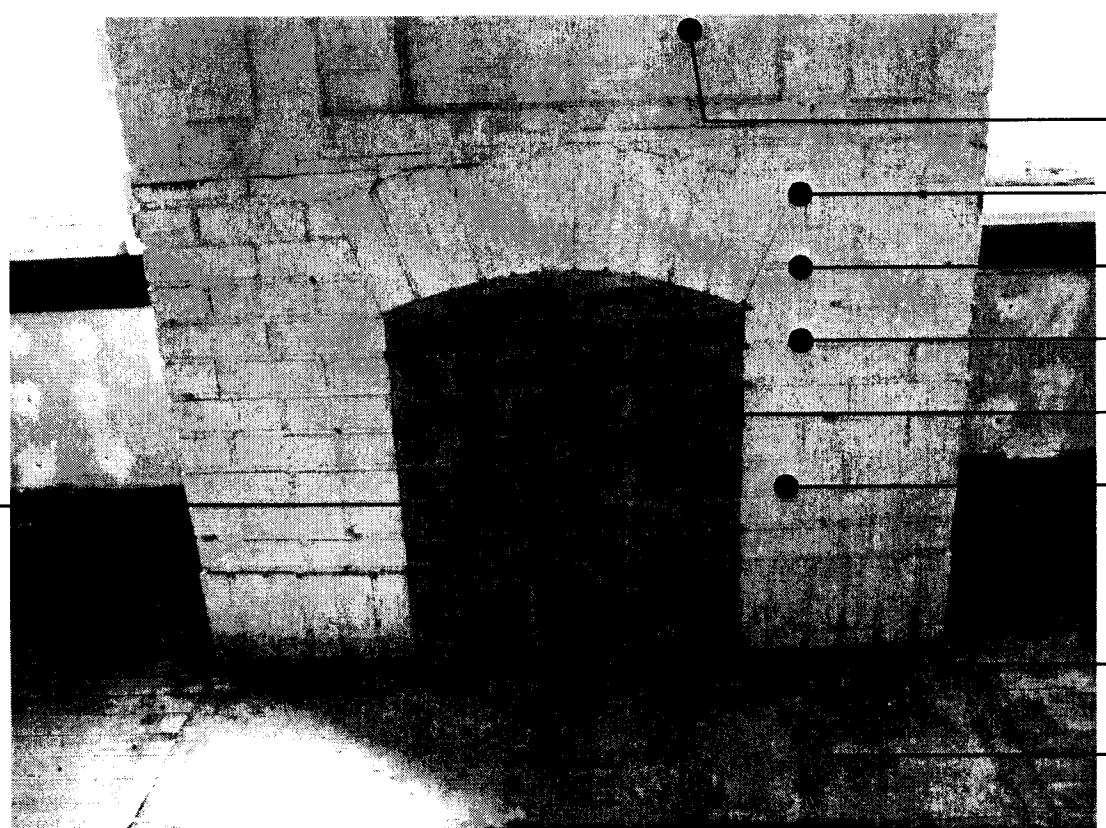
P1 FIREPLACE #1 PHOTO-MEN 242
NTS FIREPLACE TO BE CONCEALED



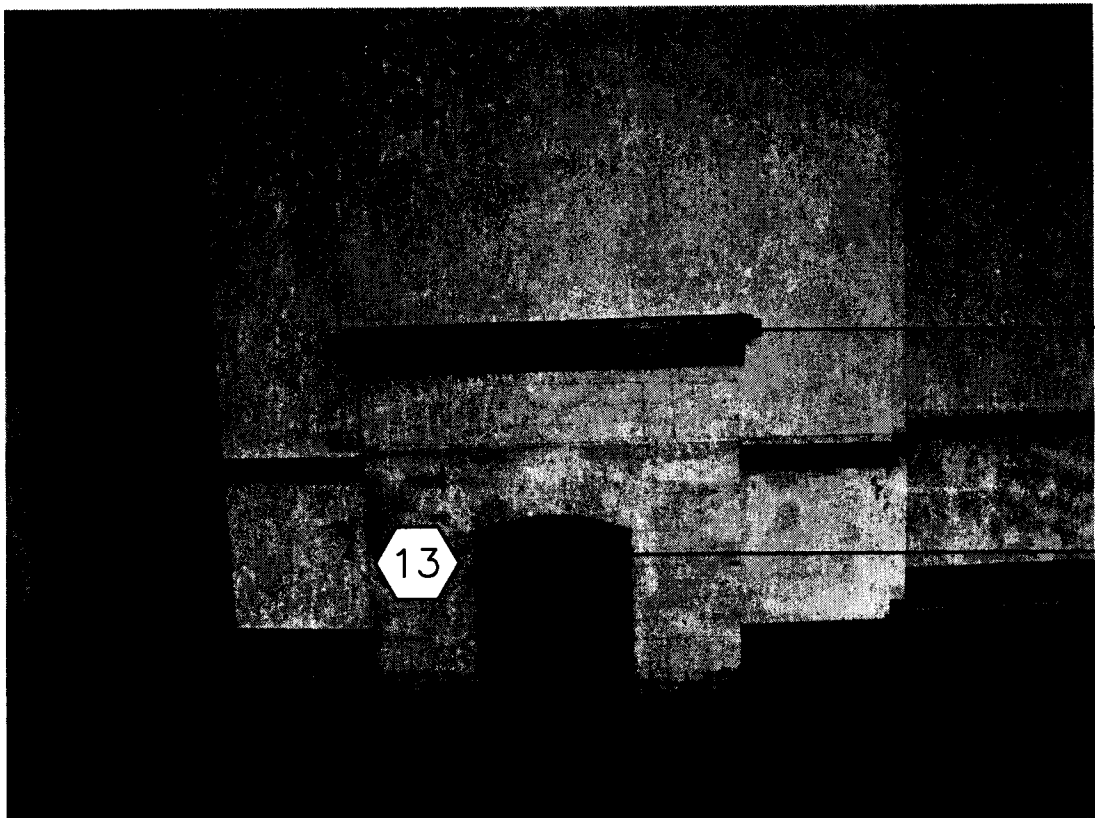
P2 FIREPLACE #2 PHOTO-CONFERENCE 239
NTS FIREPLACE TO BE RESTORED



P3 FIREPLACE #3 PHOTO-JUDGE 207
NTS FIREPLACE TO BE RESTORED



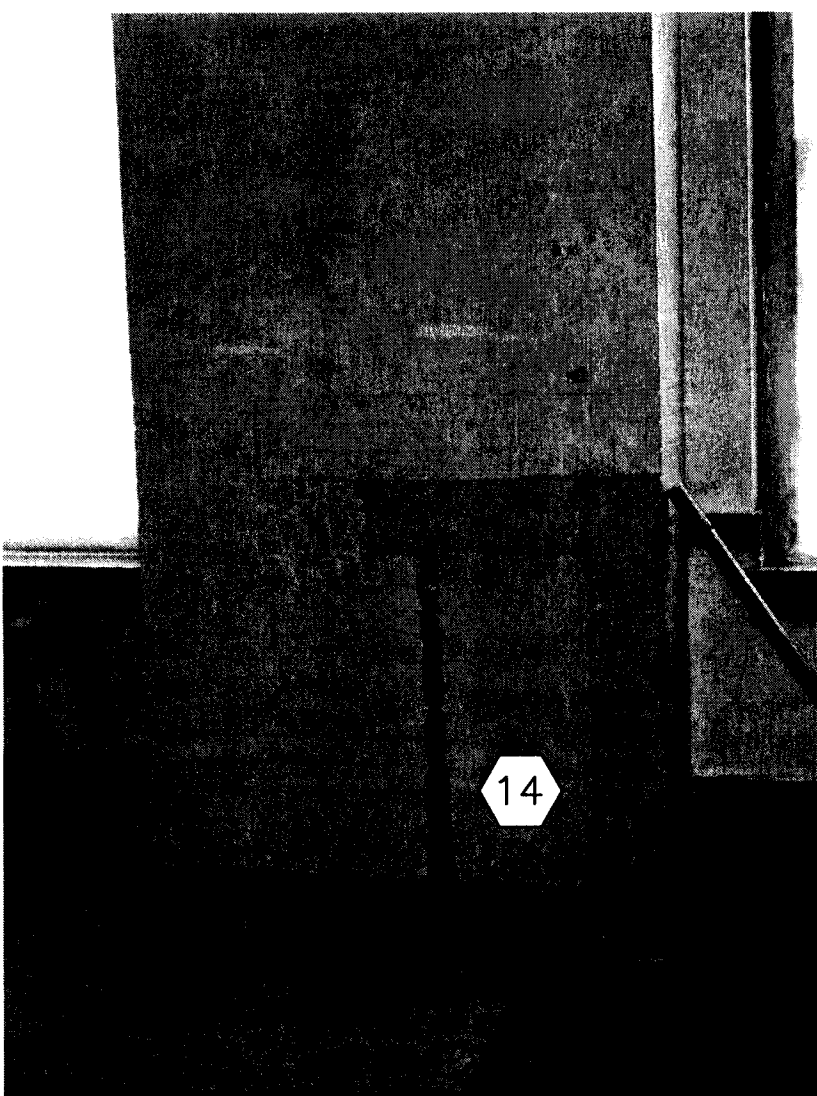
P4 FIREPLACE #4 PHOTO-ROOM 209
NTS FIREPLACE TO BE RESTORED



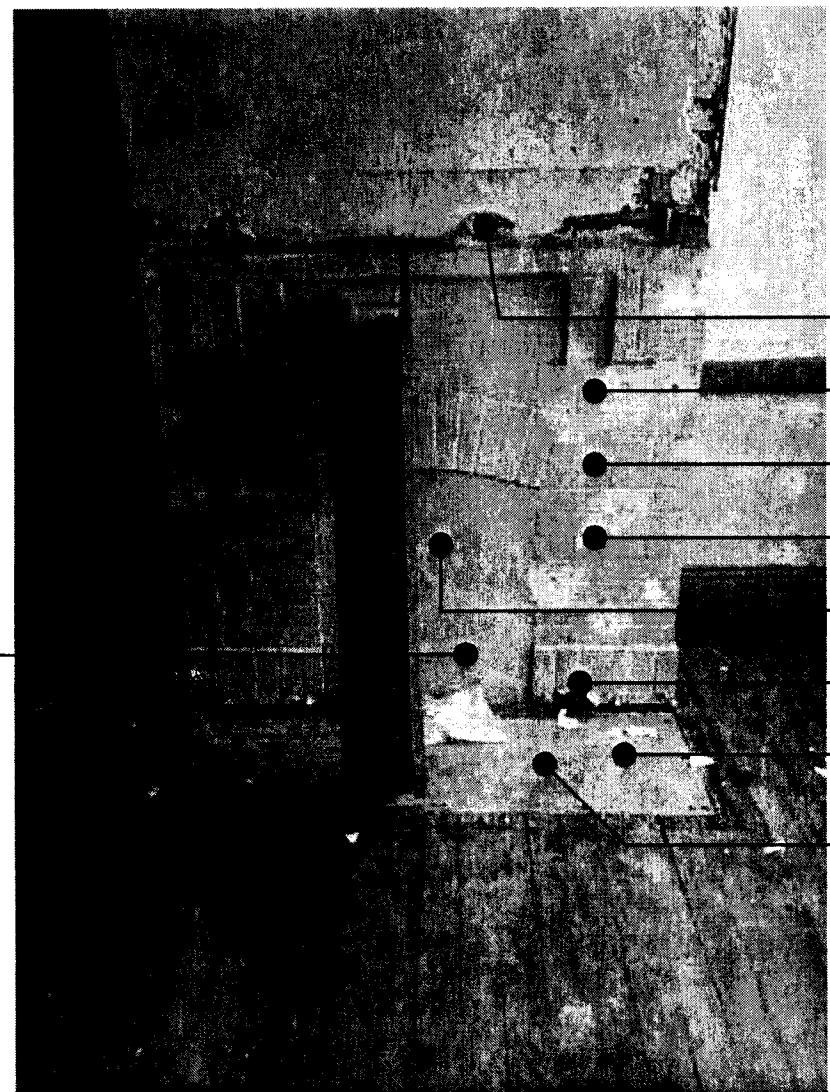
P5 FIREPLACE #5 PHOTO-CORRIDOR 215
NTS FIREPLACE TO BE DEMOLISHED



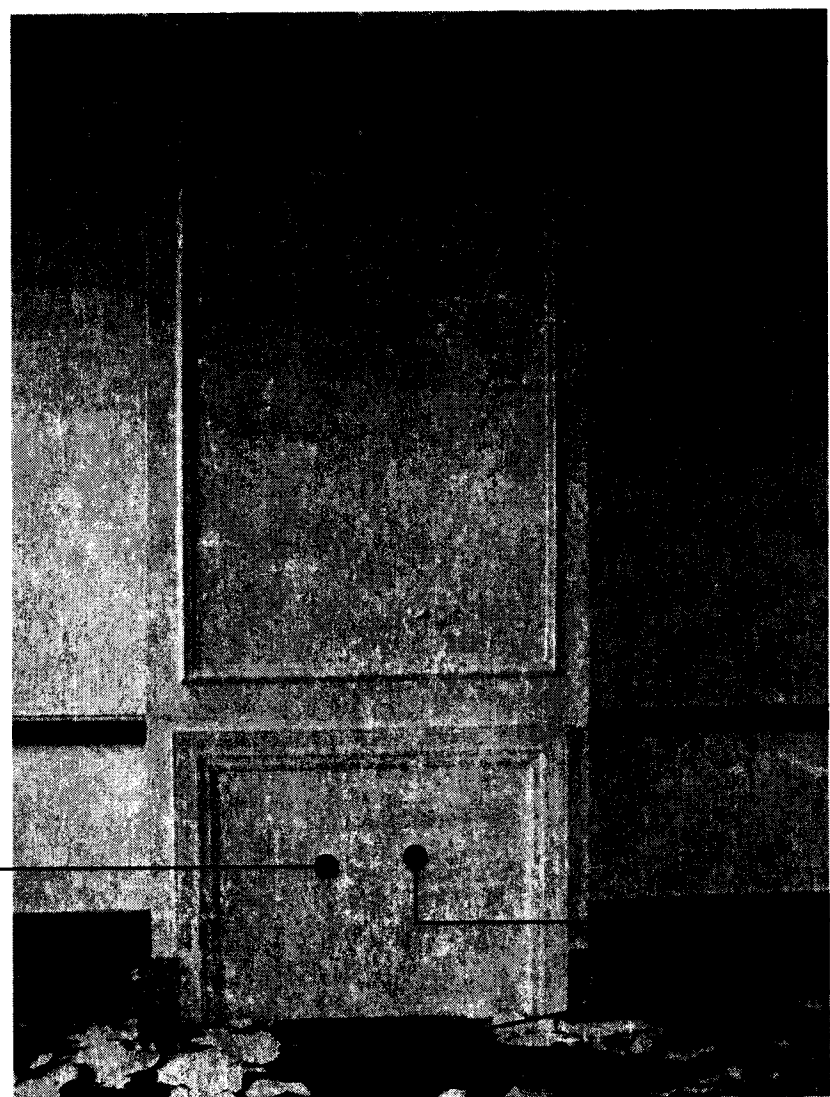
P6 FIREPLACE #6 PHOTO-ROOM 232
NTS FIREPLACE TO BE CONCEALED



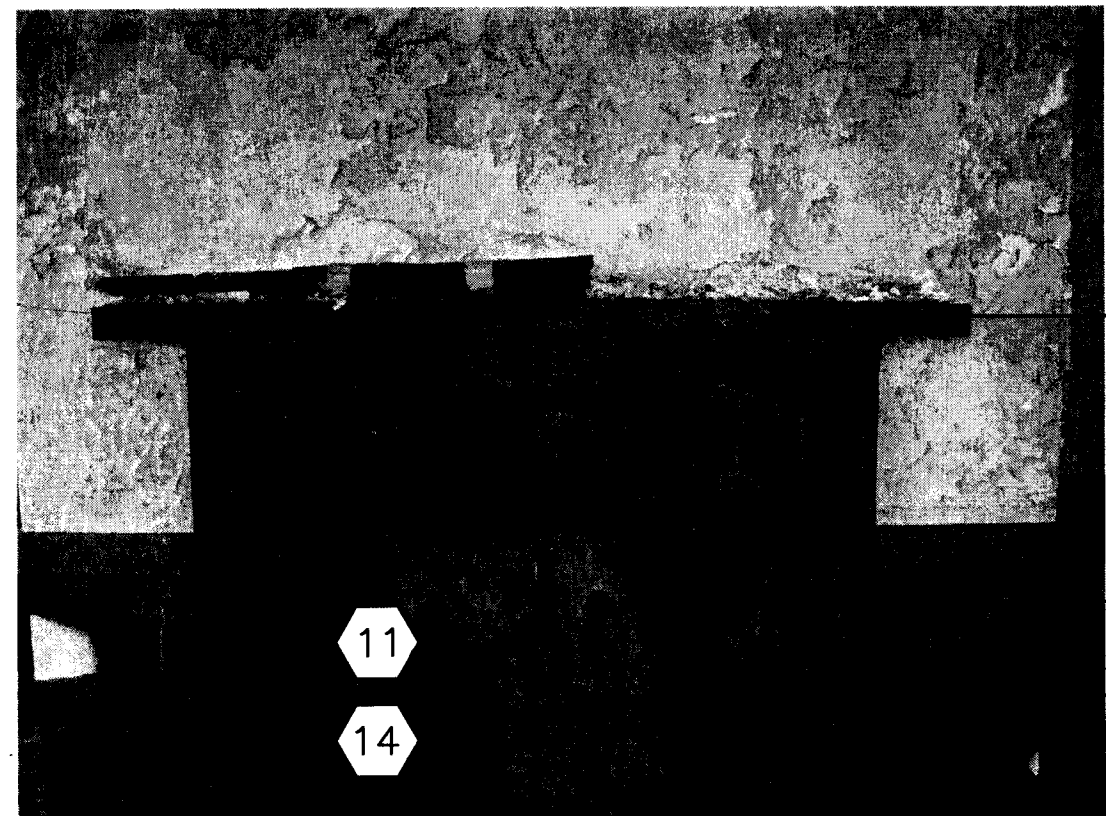
P7 FIREPLACE #7 PHOTO-ROOM 236
NTS FIREPLACE TO BE CONCEALED



P8 FIREPLACE #8 PHOTO-ROOM 332
NTS FIREPLACE TO BE RESTORED



P9 FIREPLACE #9 PHOTO ROOM 313
NTS TO BE RESTORED
Due to conditions of fireplace when uncovered J. Stewart approved covering up fireplace w/ sheetrock



P10 FIREPLACE #10 PHOTO-ROOM 404
NTS TO BE RESTORED

FIREPLACE NOTES

DEMOLITION SEQUENCE OF WORK FOR FIRE PLACES

NOTE: MEASURE AND DOCUMENT EXISTING DESIGN OF TRIM-WORK, BRICK WORK AND HEARTH ON ALL EXISTING FIREPLACES TO BE RESTORED

- CAREFULLY REMOVE EXISTING SHEATHING, FRAMING AND MAKESHIFT BRICKWORK OBSTRUCTING ORIGINAL FIREPLACE FIREBOX OPENING
- REMOVE EXISTING MANTEL, UNDERMANTEL/HEADER AND ALL TIMBER TRIM COMPONENTS FROM EXISTING FIREPLACE AND TURN OVER TO OWNER.
- DEMOLISH EXISTING HEARTH AND RETURN SALVAGED QUARRY TILES TO OWNER
- STRIP/REMOVE EXISTING PAINT AND SUPERFICIAL FINISHES FROM CHASE (BUILD-OUT) EXPOSING ORIGINAL BRICKWORK AND MORTAR JOINTS (ONLY FIREPLACES TO BE RESTORED)

RESTORATION SEQUENCE OF WORK FOR FIRE PLACES

- NOTE: ALL NEW/REPLACEMENT MATERIALS, COMPONENTS AND DESIGNS TO BE REPLICAS OF ORIGINAL FIREPLACE (AS ORIGINALLY BUILT)
- CLOSE OFF ALL EXISTING SMOKE CHAMBER, FLUE AND EXTERNAL PENETRATIONS TO ALL EXISTING FIRE PLACES
 - REMOVE AND REPLACE ALL DAMAGED BRICK WITH SALVAGE SIMILAR MASONRY TO MATCH COURSING OF EXISTING
 - PARTIALLY REMOVE EXISTING MORTAR JOINTS FROM BRICK WORK, APPLY NEW MORTAR TO EXPOSED JOINTS MORTAR MIX AND COLOR TO MATCH ORIGINAL
 - APPLY TRANSPARENT WATER BASED SEALER, SUCH AS MASONRYSAVER ACRYLIC WATERPROOFING SEALER, TO RESTORED BRICKWORK
 - INSTALL NEW MANTEL, UNDER-MANTEL(HEADER) AND TRIMS REPLICATED FROM ORIGINAL COMPONENTS REMOVED FROM EXISTING FIREPLACE TO BE RESTORED (ARCH TO STIPULATE DESIGN IF COMPONENTS ARE MISSING)

- INSTALL NEW 6"X 6" QUARRY TILES TO MATCH ORIGINAL HEARTH TILE SIZES (V.I.F.), FINISH AND QUALITY TO MATCH ORIGINAL, NEW SLICED RED OAK TRANSITION TRIM AROUND HEARTH TO BE REPLICA OF ORIGINAL

RENOVATION SEQUENCE OF WORK FOR FIRE PLACES TO BE CONCEALED

- NOTE: ALL NEW/REPLACEMENT MATERIALS, COMPONENTS AND DESIGNS TO BE REPLICAS OF ORIGINAL FIREPLACE (AS ORIGINALLY BUILT)
- CLOSE OFF ALL EXISTING SMOKE CHAMBER, FLUE AND EXTERNAL PENETRATIONS TO ALL EXISTING FIRE PLACES
 - FIRE BOX TO BE SEALED OFF AT ALL FIREPLACES TO BE ABANDONED IF ALREADY SEALED OFF EXISTING CONDITION TO REMAIN WITHSTANDING QUALITY OF WORKMANSHIP REFER TO DETAIL A/4.91
 - SHEATHING AND FRAMING TO ENVELOPE EXISTING FIREPLACE FINISHED TO MATCH NEIGHBORING SURFACES (ADJACENT WALLS TO BE FURRED/PLASTERED AS REQUIRED)
 - EXISTING FIREPLACES (TO BE CONCEALED) THAT ARE ALREADY FLUSH WITH ADJACENT WALLS TO BE FINISHED TO MATCH NEIGHBORING SURFACES (FURRED/PLASTERED AS REQUIRED)

NOTE

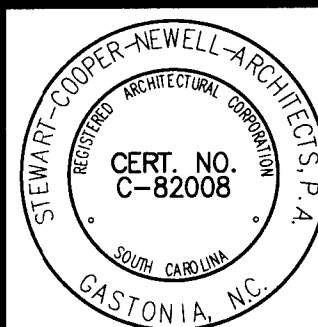
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GLM/KFP/GAS
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JCS
Revisions

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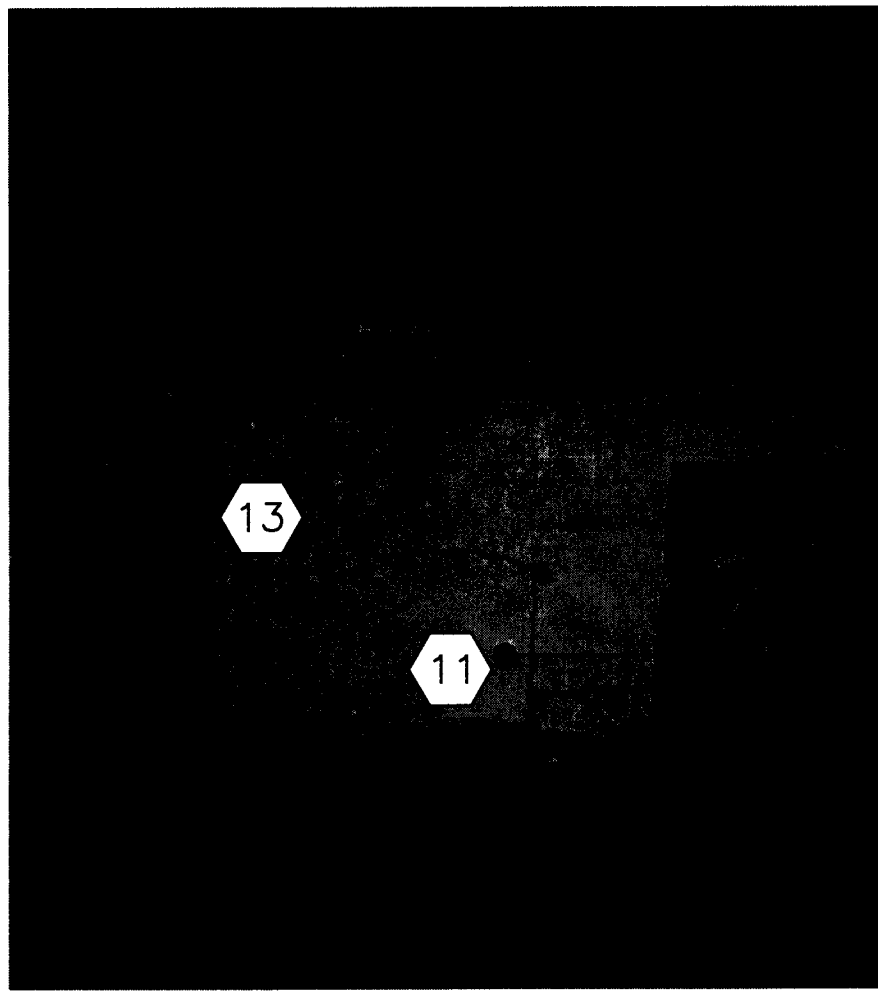
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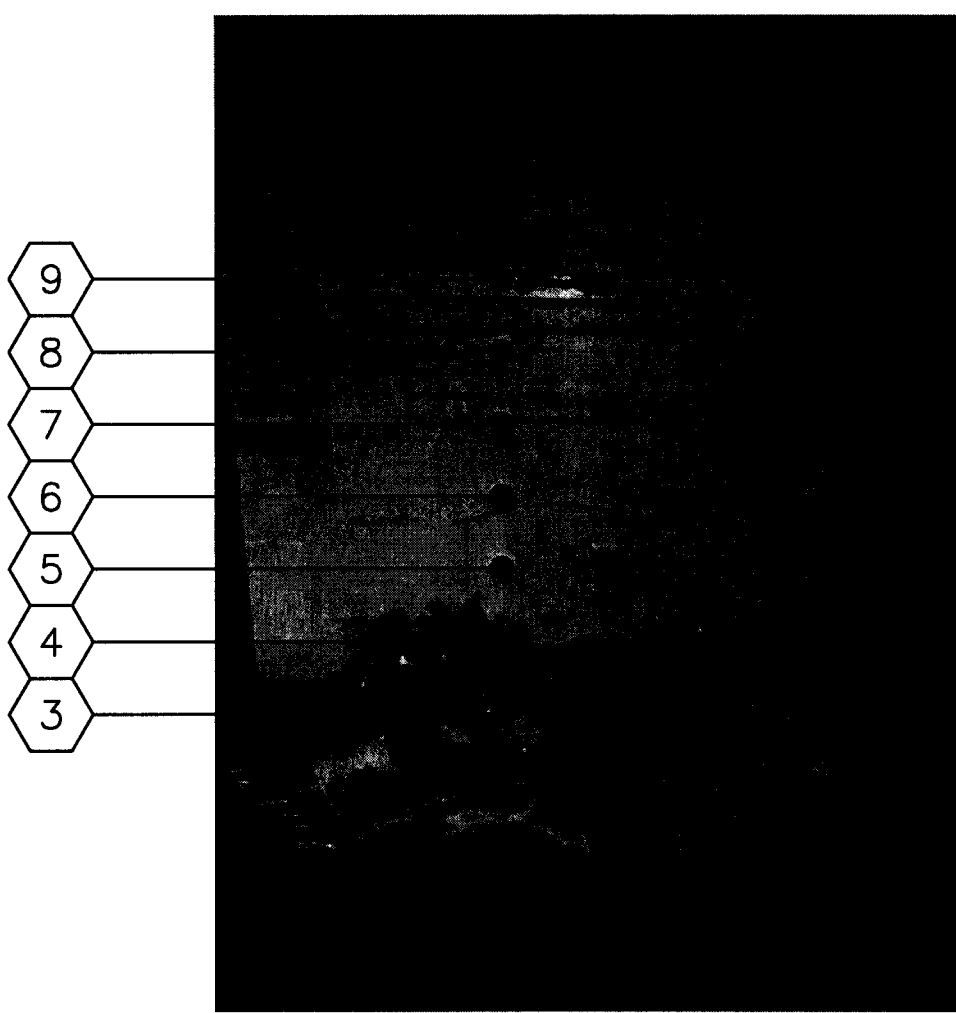


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
FIREPLACE RENOVATIONS

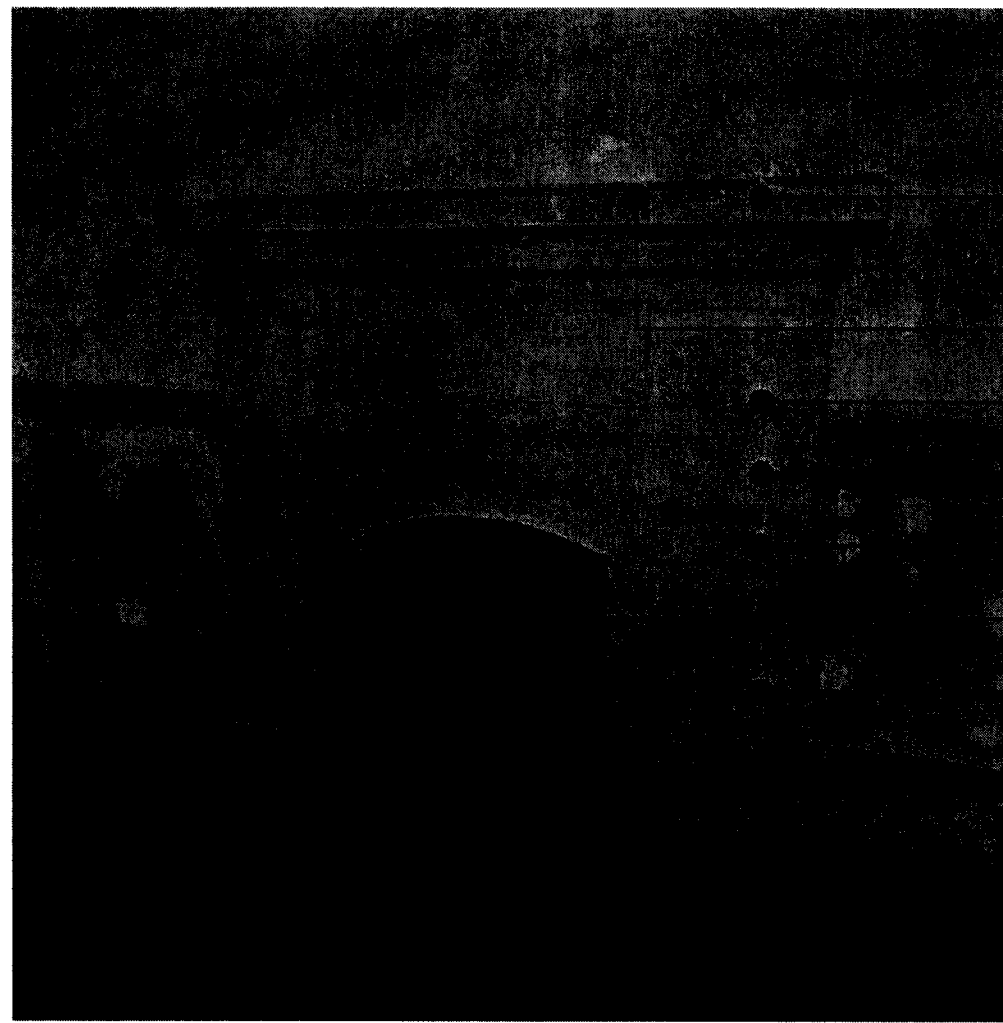
sheet **4.90**



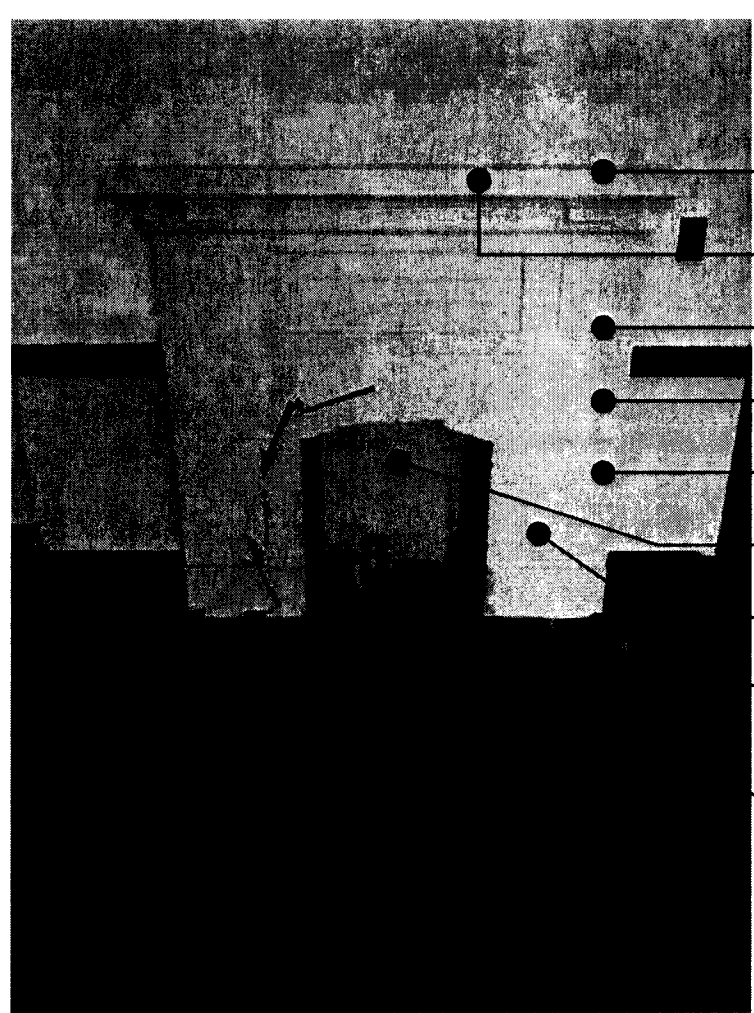
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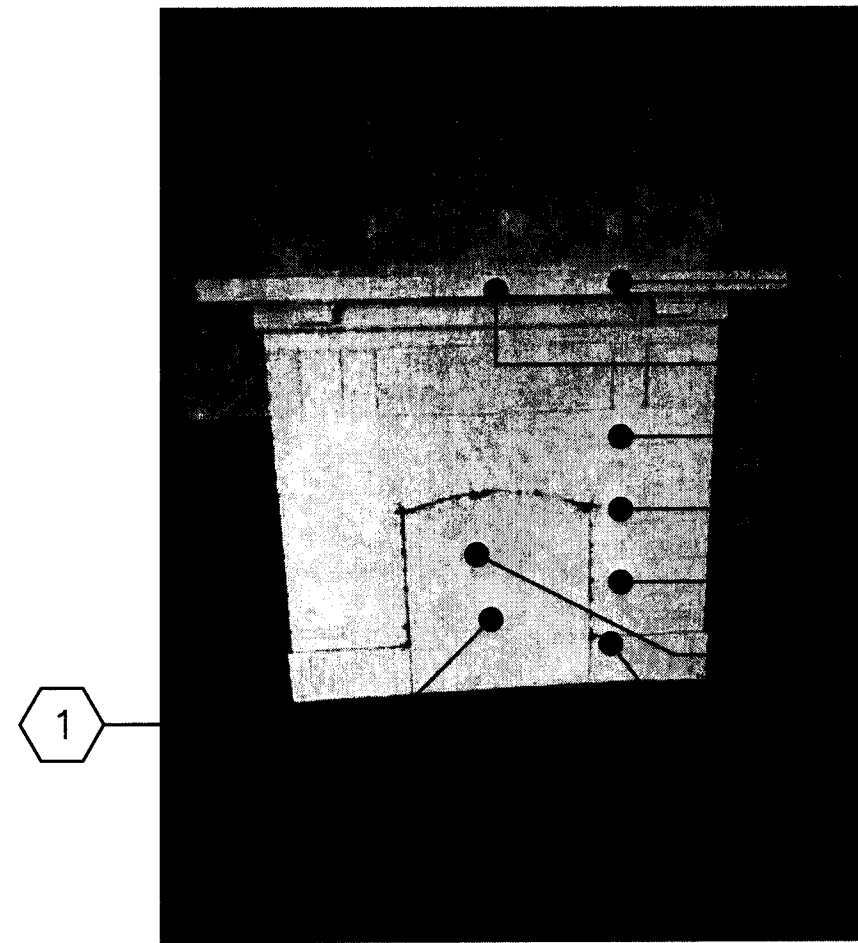
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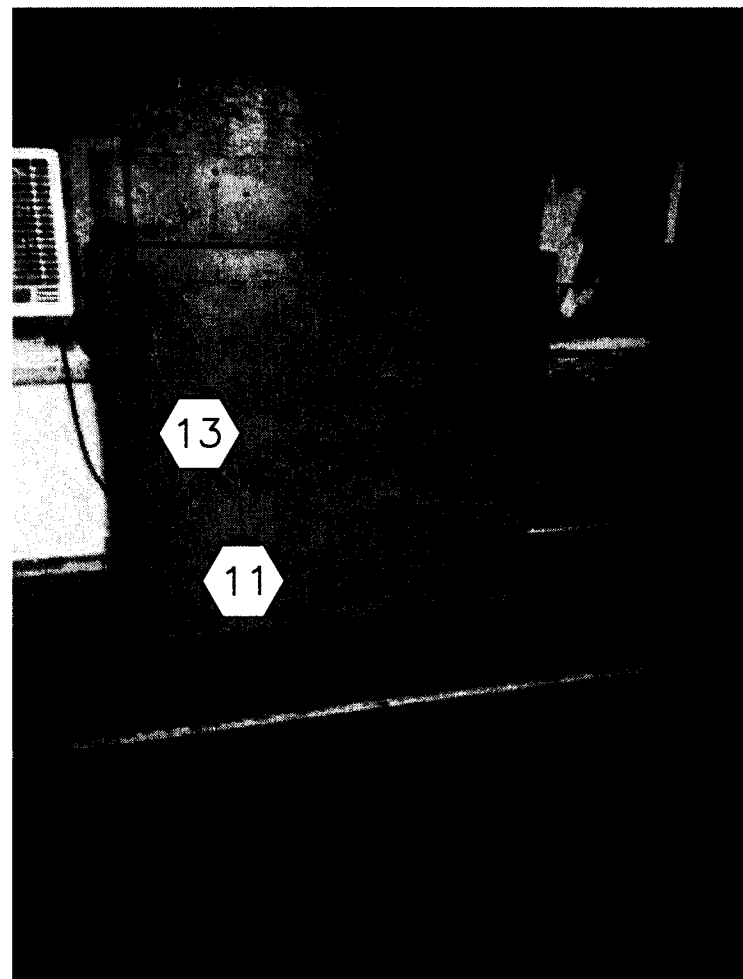
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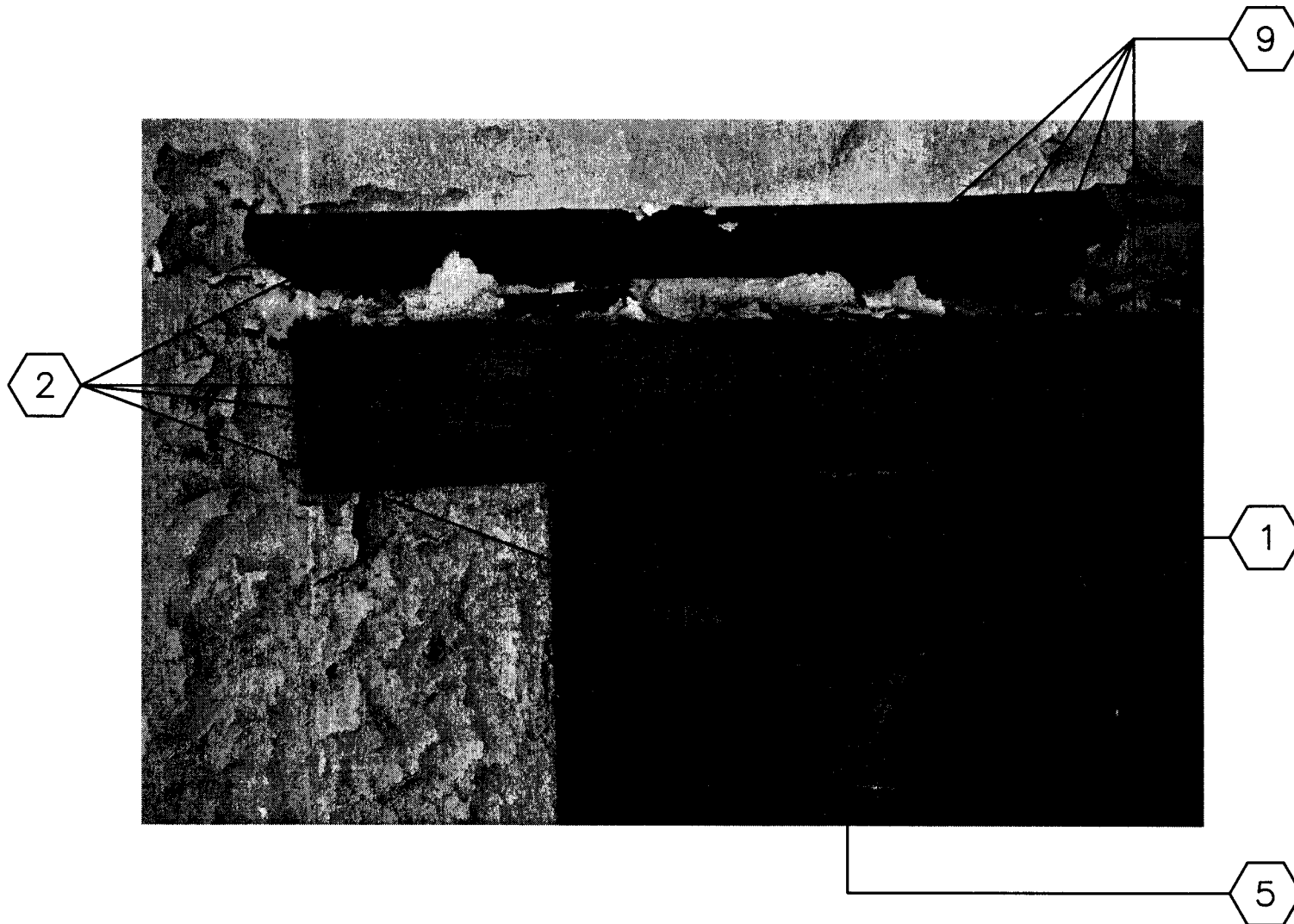
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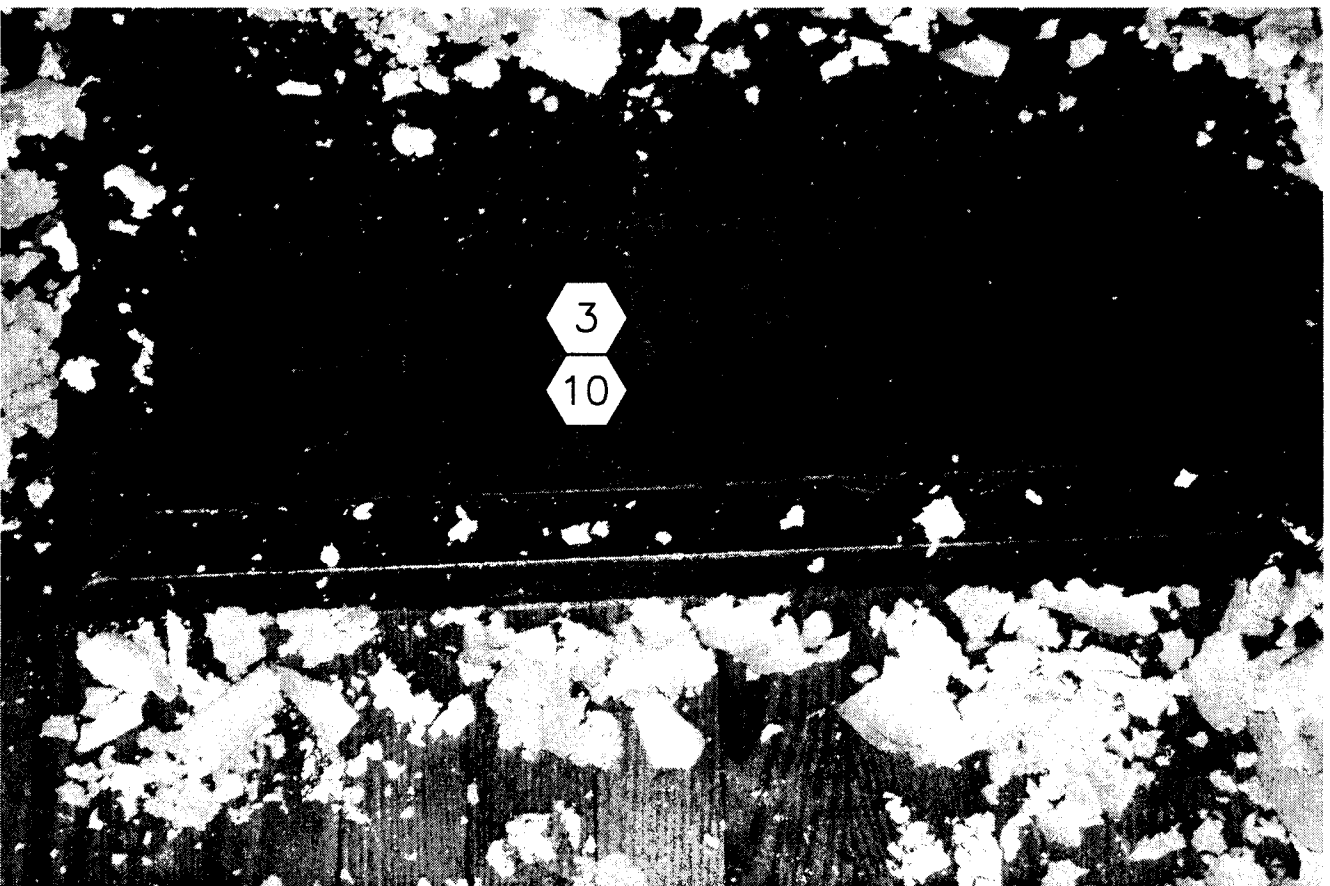
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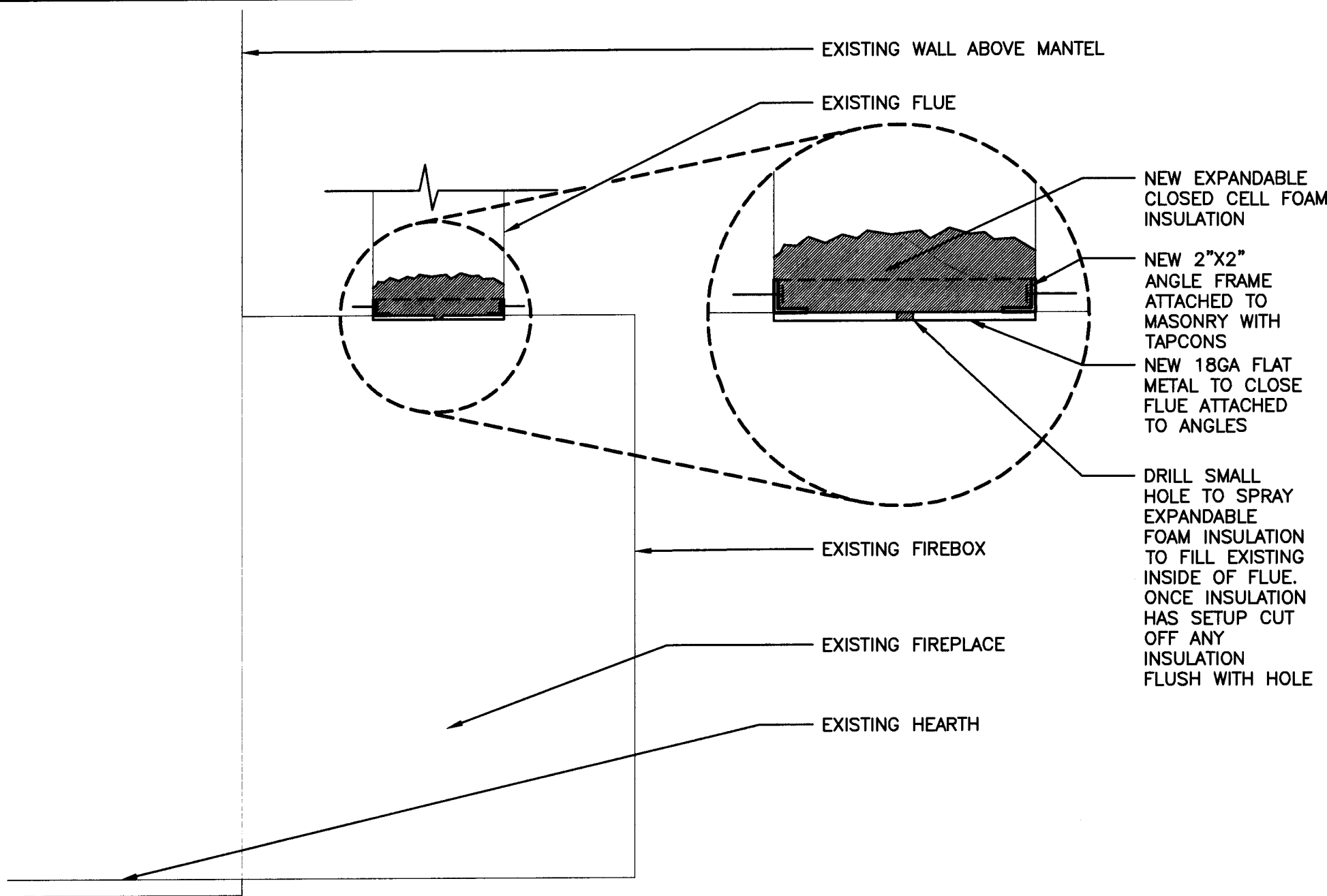
P16 FIREPLACE #16 PHOTO-ROOM 405
NTS FIREPLACE TO BE DEMOLISHED



P17 FIREPLACE MANTEL DETAIL PHOTO
NTS



P18 FIREPLACE HEARTH TRIM PHOTO
NTS



A DETAIL AT ALL FIREPLACE FLUES
SCALE 1 1/2" = 1'-0"

FIREPLACE NOTES

DEMOLITION SEQUENCE OF WORK FOR FIRE PLACES

NOTE: MEASURE AND DOCUMENT EXISTING DESIGN OF TRIM-WORK, BRICK WORK AND HEARTH ON ALL EXISTING FIREPLACES TO BE RESTORED

- CAREFULLY REMOVE EXISTING SHEATHING, FRAMING AND MAKESHIFT BRICKWORK OBSTRUCTING ORIGINAL FIREPLACE FIREBOX OPENING
- REMOVE EXISTING MANTEL, UNDERMANTEL/HEADER AND ALL TIMBER TRIM COMPONENTS FROM EXISTING FIREPLACE AND TURN OVER TO OWNER.
- DEMOLISH EXISTING HEARTH AND RETURN SALVAGED QUARRY TILES TO OWNER
- STRIP/REMOVE EXISTING PAINT AND SUPERFICIAL FINISHES FROM CHASE (BUILD-OUT) EXPOSING ORIGINAL BRICKWORK AND MORTAR JOINTS (ONLY FIREPLACES TO BE RESTORED)

RESTORATION SEQUENCE OF WORK FOR FIRE PLACES

NOTE: ALL NEW/REPLACEMENT MATERIALS, COMPONENTS AND DESIGNS TO BE REPLICAS OF ORIGINAL FIREPLACE (AS ORIGINALLY BUILT)

- CLOSE OFF ALL EXISTING SMOKE CHAMBER, FLUE AND EXTERNAL PENETRATIONS TO ALL EXISTING FIRE PLACES
- REMOVE AND REPLACE ALL DAMAGED BRICK WITH SALVAGE SIMILAR MASONRY TO MATCH COURSING OF EXISTING
- PARTIALLY REMOVE EXISTING MORTAR JOINTS FROM BRICK WORK, APPLY NEW MORTAR TO EXPOSED JOINTS MORTAR MIX AND COLOR TO MATCH ORIGINAL
- APPLY TRANSPARENT WATER BASED SEALER, SUCH AS MASONRYSAVER ACRYLIC WATERPROOFING SEALER, TO RESTORED BRICKWORK
- INSTALL NEW MANTEL, UNDER-MANTEL(HEADER) AND TRIMS REPLICATED FROM ORIGINAL COMPONENTS - REMOVED FROM EXISTING FIREPLACE TO BE RESTORED (ARCH TO STIPULATE DESIGN IF COMPONENTS ARE MISSING)

- INSTALL NEW 6"x 6" QUARRY TILES TO MATCH ORIGINAL HEARTH TILE SIZES (V.I.F.), FINISH AND QUALITY TO MATCH ORIGINAL, NEW SLICED RED OAK TRANSITION TRIM AROUND HEARTH TO BE REPLICA OF ORIGINAL

RENOVATION SEQUENCE OF WORK FOR FIRE PLACES TO BE CONCEALED

NOTE: ALL NEW/REPLACEMENT MATERIALS, COMPONENTS AND DESIGNS TO BE REPLICAS OF ORIGINAL FIREPLACE (AS ORIGINALLY BUILT)

- CLOSE OFF ALL EXISTING SMOKE CHAMBER, FLUE AND EXTERNAL PENETRATIONS TO ALL EXISTING FIRE PLACES
- FIRE BOX TO BE SEALED OFF AT ALL FIREPLACES TO BE ABANDONED IF ALREADY SEALED OFF EXISTING CONDITION TO REMAIN WITHSTANDING QUALITY OF WORKMANSHIP REFER TO DETAIL A/4.91
- SHEATHING AND FRAMING TO ENVELOPE EXISTING FIREPLACE FINISHED TO MATCH NEIGHBORING SURFACES (ADJACENT WALLS TO BE FURRED/PLASTERED AS REQUIRED)
- EXISTING FIREPLACES (TO BE CONCEALED) THAT ARE ALREADY FLUSH WITH ADJACENT WALLS TO BE FINISHED TO MATCH NEIGHBORING SURFACES (FURRED/PLASTERED AS REQUIRED)

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

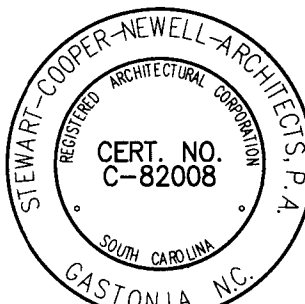
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Project No.
1390

Date
07.10.2015
Drawn
GLM/KFP/GAS
Checked
JCS
Revisions

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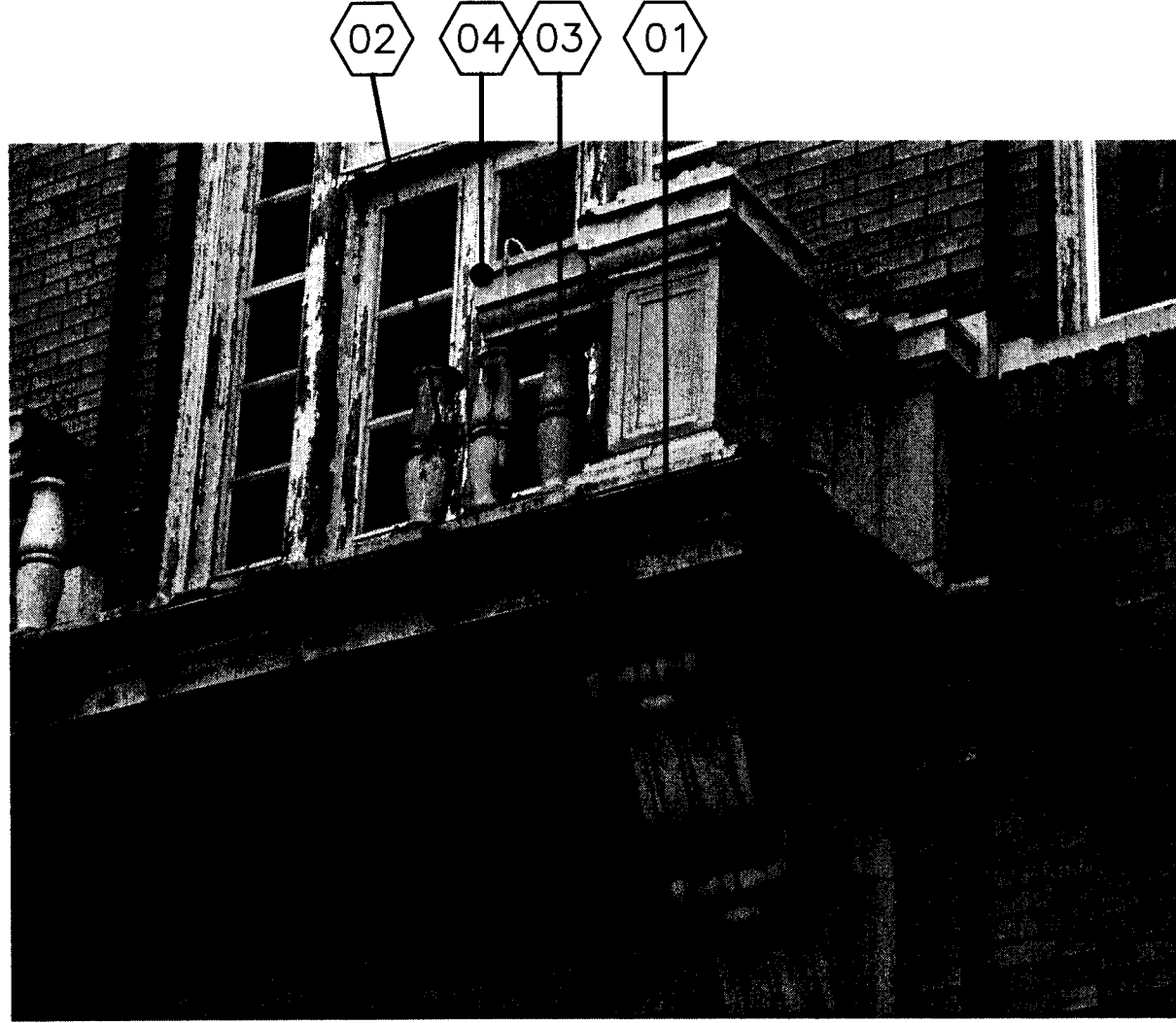


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
FIREPLACE RENOVATIONS

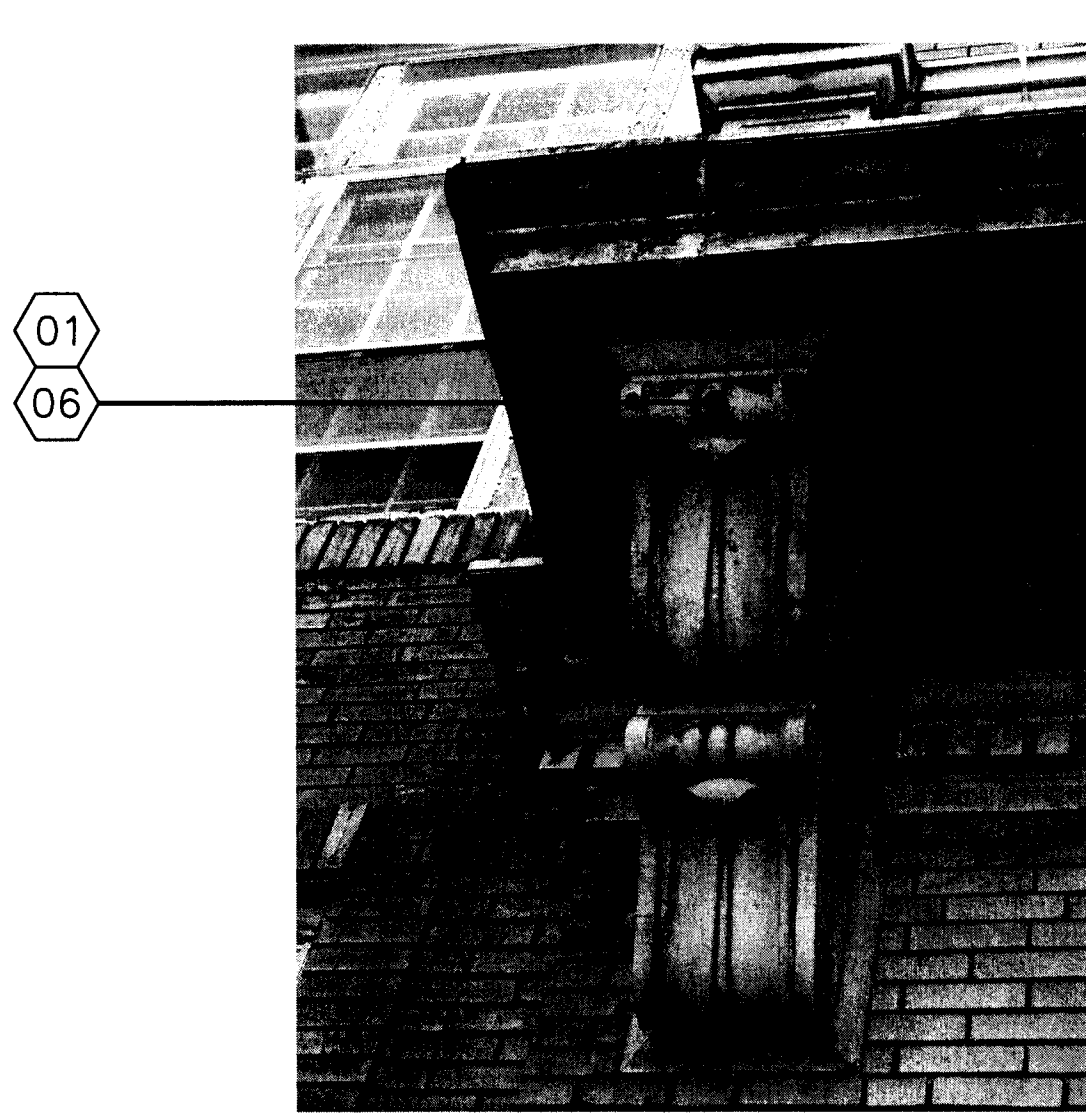
sheet **4.91**



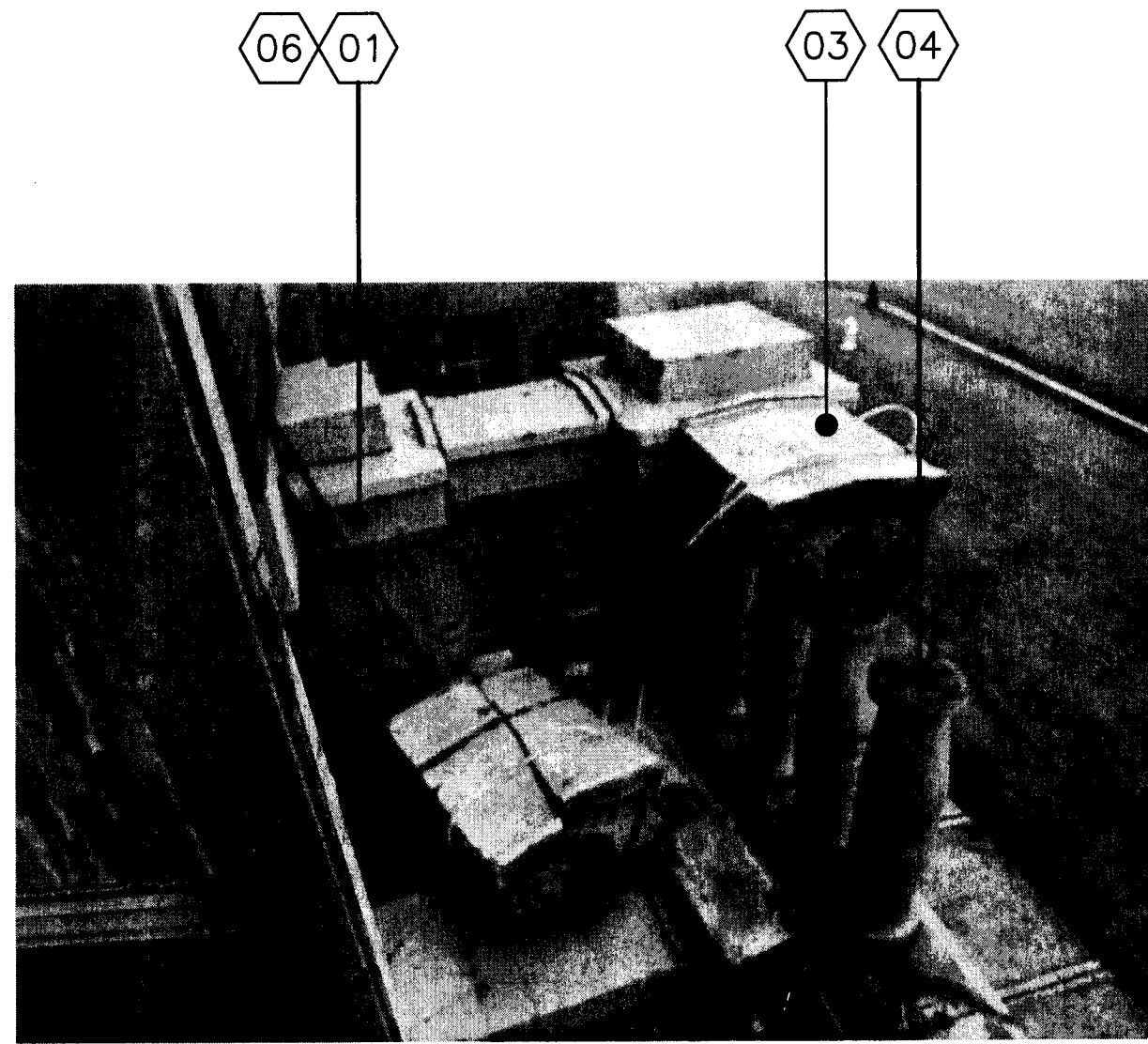
P1 BALCONY #1 PHOTO
NTS



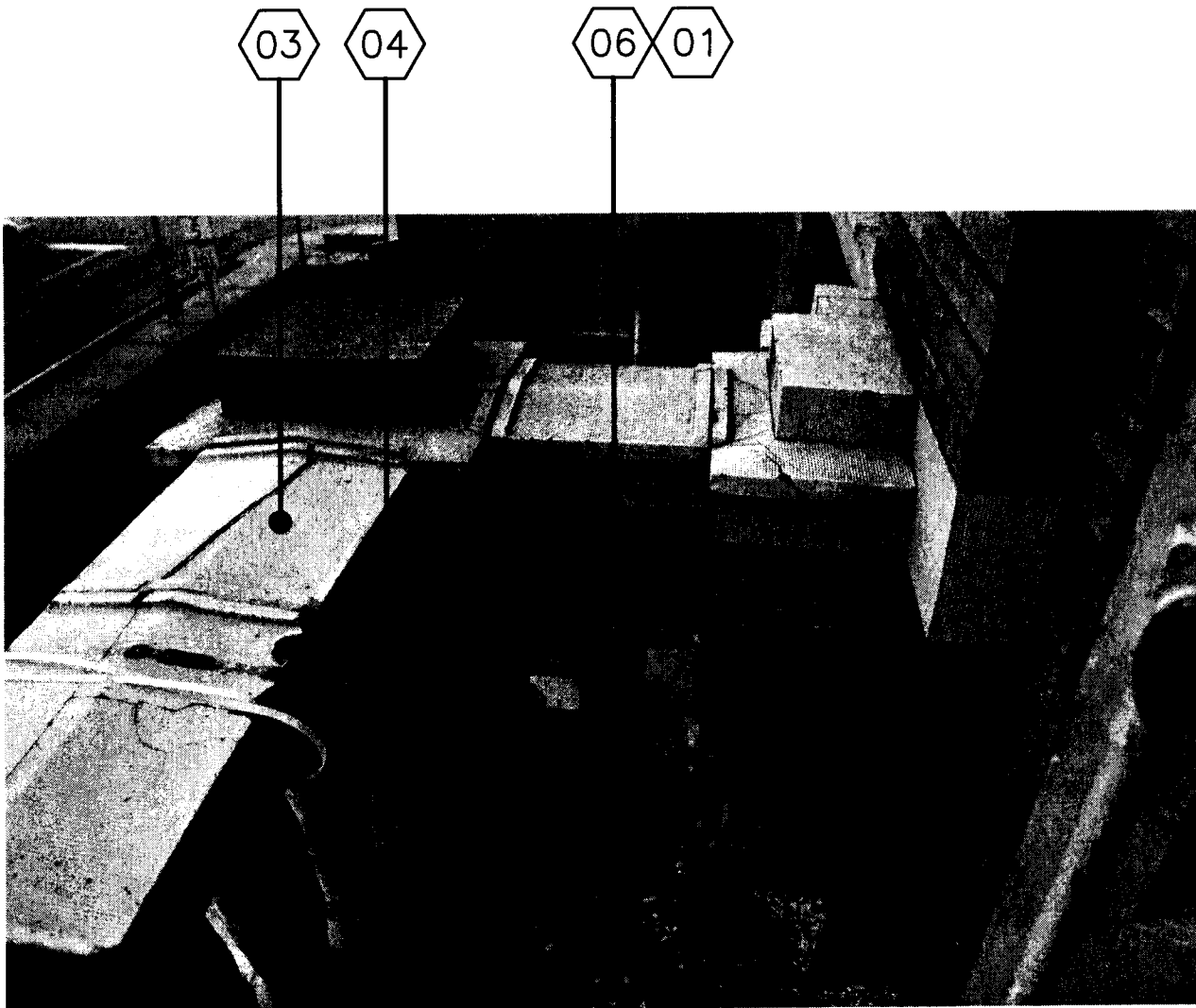
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NTS



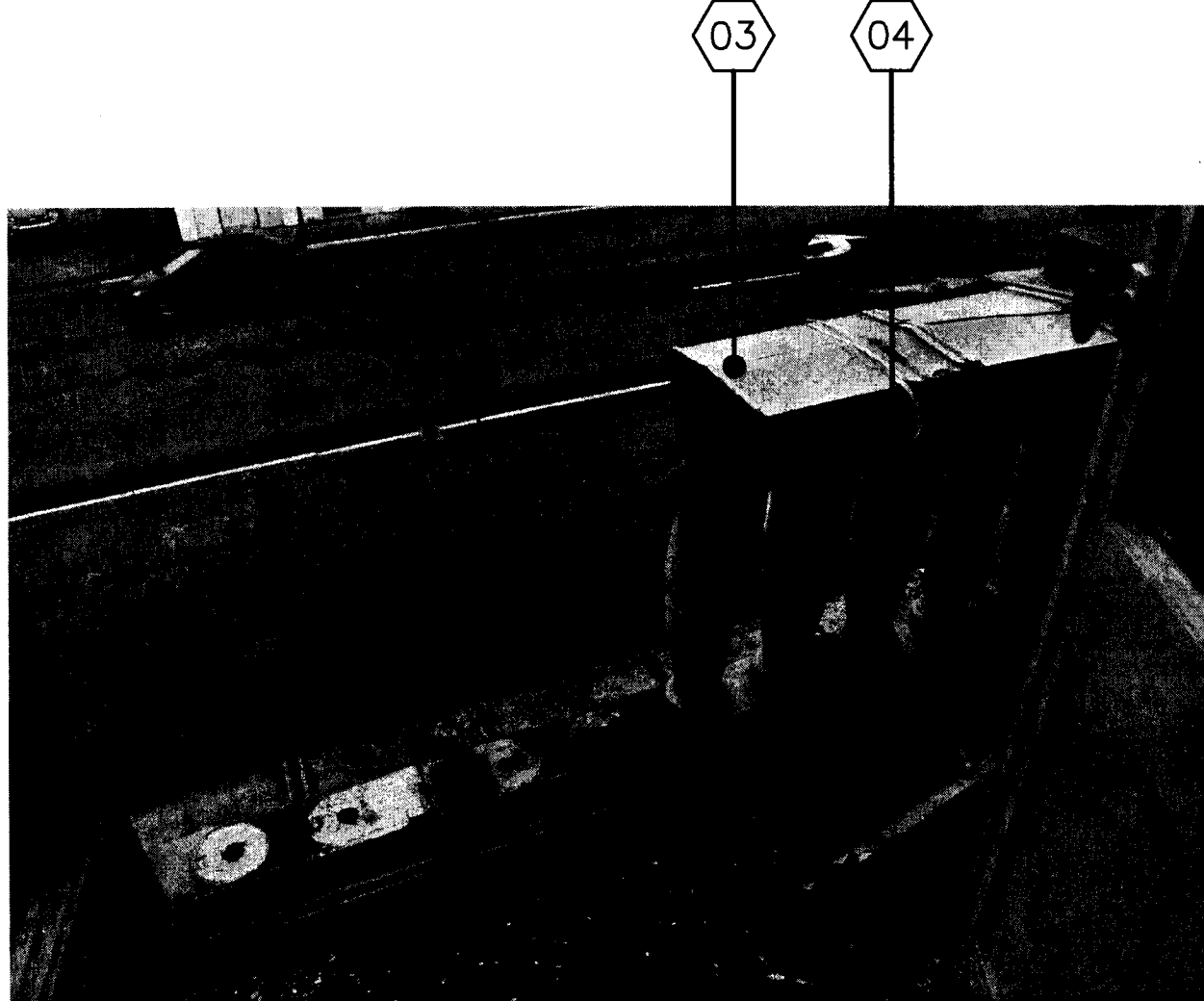
P3 BALCONY #3 PHOTO
NTS



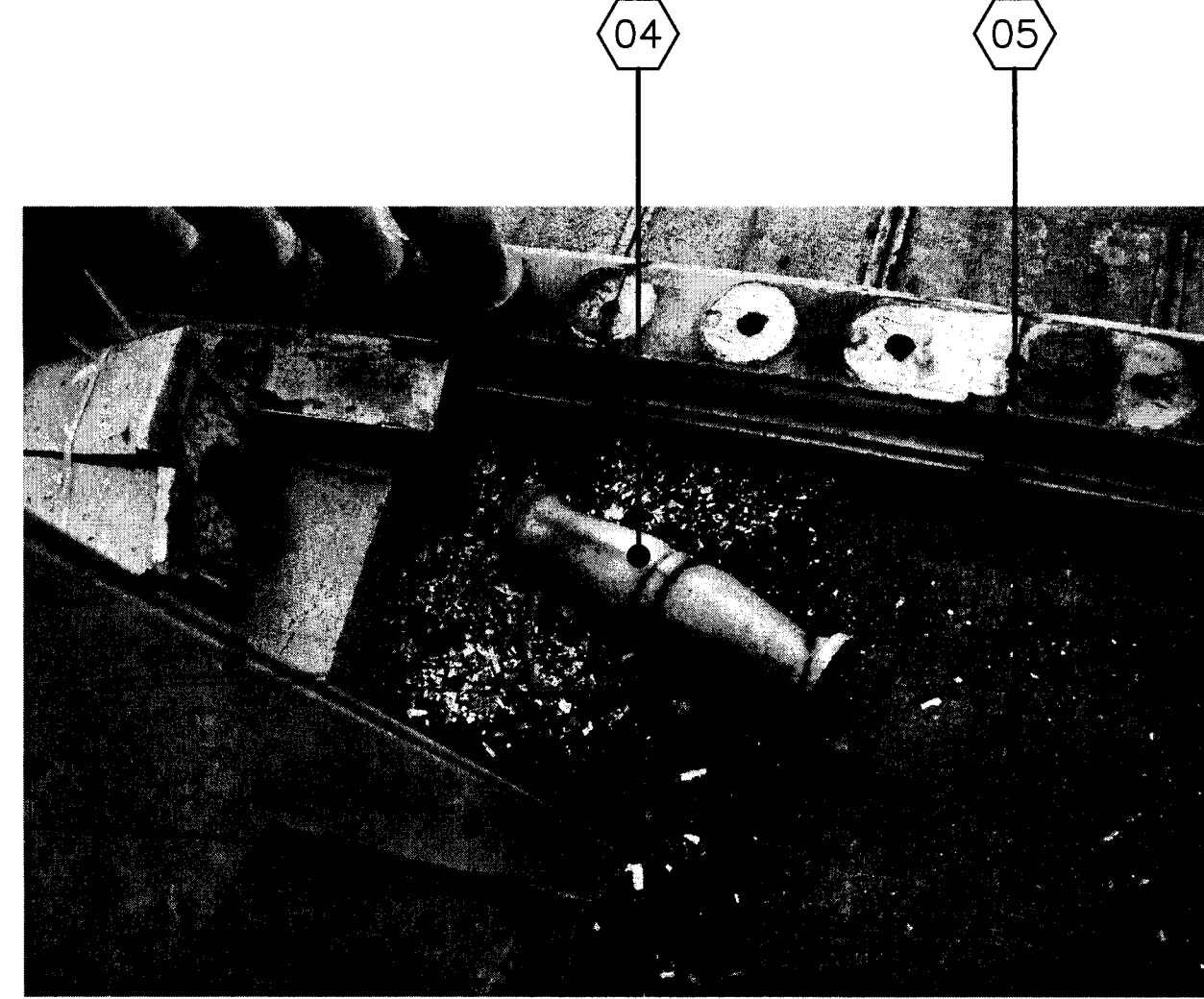
P4 BALCONY #4 PHOTO
NTS



P5 BALCONY #5 PHOTO
NTS



P6 BALCONY #6 PHOTO
NTS



P7 BALCONY #7 PHOTO
NTS



P8 BALCONY #8 PHOTO
NTS

BALCONY NOTES

REFER TO FOLLOWING SPECIFICATIONS SECTIONS BUT NOT LIMITED TO FOR ADDITIONAL INFORMATION:
SECTION 013591—HISTORIC TREATMENT PROCEDURES
SECTION 049015—CLAY MASONRY RESTORATION AND CLEANING

- CLEAN ENTIRE BALCONY COMPONENTS OF ALL STAINS, ALGAE GROWTH, DIRT AND OTHER CONTAMINATION.
- DISMANTLE THE TERRA COTTA BALCONY COMPONENTS THAT ARE DAMAGED OR BROKEN. SEND WHOLE PARTS TO A MANUFACTURER OF TERRA COTTA COMPONENTS TO HAVE NEW MOLDS MADE AND NEW PARTS MANUFACTURED TO REPLACE THE BROKEN OR CRACKED PARTS. PATCH AND REFINISH ALL COMPONENTS THAT ARE TO REMAIN.
- REPLACE STEEL BOLTS CHANNELS AND PLATES WITH STAINLESS STEEL PARTS OF THE SAME SIZE AND QUANTITY.
- REMOVE ALL EXISTING GROUT, CLEAN JOINTS AND PREPARE FOR REGROUTING AND SEALING ALL JOINTS.
- PATCH AND REPAIR ALL TERRA COTTA PARTS THAT ARE NOT SCHEDULED FOR REPLACEMENT. ALL PATCHES AND REPAIRS SHOULD MATCH THE EXISTING IN COLOR AND TEXTURE.
- AFTER BALCONY HAS BEEN REASSEMBLED WITH THE NEW COMPONENTS IN PLACE COMPLETED BEGIN REGROUTING AND SEALING ALL JOINTS.
- GROUT AND SEALANT SHALL MATCH THE COLOR OF THE TERRA COTTA.
- REGLAZE ALL EXISTING TERRA COTTA AS REQUIRED TO MATCH NEW AS CLOSELY AS POSSIBLE.
- THE FLOOR OF THE BALCONY HAS A CONCRETE OVERLAY AND MUST BE TOTALLY CLEANED OF ALL SURFACE CONTAMINATES. IF DRAIN HOLES ARE UNCOVERED THEY MUST BE CLEANED.
- APPLY DEXO—TEX AUTO—DEX 500 ELASTOMERIC DECKING SYSTEM AS MANUFACTURED BY CROSSFIELD PRODUCTS CORPORATION. APPLY MEMBRANE, TOPCOAT AND ALUMINUM OXIDE GRIT AS PER MANUFACTURER'S REQUIREMENTS.

TERRA COTTA REMOVAL AND REPLACEMENT

- AT LOCATIONS INDICATED, REMOVE TERRA COTTA UNITS THAT ARE DAMAGED, SPALLED, OR DETERIORATED. CAREFULLY DEMOLISH OR REMOVE ENTIRE UNITS FROM JOINT TO JOINT, WITHOUT DAMAGING SURROUNDING MASONRY, IN A MANNER THAT PERMITS REPLACEMENT WITH FULL—SIZE UNITS.
- SUPPORT AND PROTECT REMAINING MASONRY THAT WAS SUPPORTED BY REMOVED UNITS. MAINTAIN FLASHING, REINFORCEMENT, LINTELS, AND ADJOINING CONSTRUCTION IN AN UNDAMAGED CONDITION.
- NOTIFY ARCHITECT OF UNFORESEEN DETRIMENTAL CONDITIONS INCLUDING VOIDS, CRACKS, BULGES, AND LOOSE UNITS IN EXISTING MASONRY BACKUP, ROTTED WOOD, RUSTED METAL, AND OTHER DETERIORATED ITEMS.

- CLEAN MASONRY SURROUNDING REMOVAL AREAS BY REMOVING MORTAR, DUST, AND LOOSE PARTICLES IN PREPARATION FOR REPLACEMENT.
- INSTALL REPLACEMENT UNITS INTO BONDING AND COURSING PATTERN OF EXISTING UNITS.
 - DO NOT CUT OR GRIND GLAZED TERRA COTTA.
 - IF MINOR CUTTING OF REPLACEMENT TERRA COTTA IS REQUIRED, USE A MOTOR—DRIVEN GRINDER OR SAW DESIGNED TO CUT MASONRY WITH CLEAN, SHARP, UNCHIPPED EDGES. DO NOT CUT OR GRIND MORE THAN 1/8 INCH (3 MM) ALONG ANY EDGE.
 - USE SETTING BUTTONS OR SHIMS TO SET UNITS ACCURATELY SPACED WITH UNIFORM JOINTS.
- SET REPLACEMENT UNITS IN A FULL BED OF MORTAR. REPLACE EXISTING ANCHORS WITH NEW ANCHORS OF SIZE AND TYPE INDICATED.
 - EMBED ANCHORS IN MORTAR AND FILL VOIDS BEHIND UNITS WITH MORTAR.
 - TOOL EXPOSED MORTAR JOINTS IN REPAIRED AREAS TO MATCH JOINTS OF SURROUNDING EXISTING TERRA COTTA.
 - RAKE OUT MORTAR USED FOR LAYING TERRA COTTA BEFORE MORTAR SETS AND POINT NEW MORTAR JOINTS IN REPAIRED AREA TO COMPLY WITH REQUIREMENTS FOR REPOINTING EXISTING MASONRY, AND AT SAME TIME AS REPOINTING OF SURROUNDING AREA.
 - WHEN MORTAR IS SUFFICIENTLY HARD TO SUPPORT UNITS, REMOVE SHIMS AND OTHER DEVICES INTERFERING WITH POINTING OF JOINTS.
- RAKE OUT ALL JOINTS THIS ARE AND REPOINT WITH MORTAR AND COVERED WITH SEALANT.

SEQUENCING AND SCHEDULING

- ORDER REPLACEMENT MATERIALS AT EARLIEST POSSIBLE DATE TO AVOID DELAYING COMPLETION OF THE WORK.
- ORDER SAND AND GRAY PORTLAND CEMENT FOR POINTING MORTAR IMMEDIATELY AFTER APPROVAL OF SAMPLES AND MOCKUPS. TAKE DELIVERY OF AND STORE AT PROJECT SITE A SUFFICIENT QUANTITY O COMPLETE PROJECT.
- PERFORM MASONRY RESTORATION WORK IN THE FOLLOWING SEQUENCE:
 - REMOVE PLANT GROWTH.
 - INSPECT FOR OPEN MORTAR JOINTS AND REPAIR BEFORE CLEANING TO PREVENT THE INTRUSION OF WATER

- CLEAN MASONRY SURFACES.
- WHERE WATER REPELLENTS, SPECIFIED IN DIVISION 7, ARE TO BE USED ON OR NEAR MASONRY WORK, DELAY APPLICATION OF THESE CHEMICALS UNTIL AFTER POINTING.
- RAKE OUT MORTAR FROM JOINTS SURROUNDING MASONRY TO BE REPLACED AND FROM JOINTS ADJACENT TO MASONRY REPAIRS ALONG JOINTS.
- REPAIR MASONRY, INCLUDING REPLACING EXISTING MASONRY WITH NEW MASONRY MATERIALS.
- RAKE OUT MORTAR FROM JOINTS TO BE REPOINTED.
- POINT MORTAR AND SEALANT JOINTS.
- AFTER REPAIRS AND REPOINTING HAVE BEEN COMPLETED AND CURED, PERFORM A FINAL CLEANING TO REMOVE RESIDUES FROM THIS WORK.
- INSPECT FOR OPEN MORTAR JOINTS AND REPAIR BEFORE CLEANING TO PREVENT THE INTRUSION OF WATER AND OTHER CLEANING MATERIALS INTO THE WALL.
- REMOVE PAINT.
- CLEAN MASONRY SURFACES.

TERRA COTTA MOLDS

- ON COMPLETION OF THE MANUFACTURING OF UNITS, DELIVER ONE UNUSED MOLD OF EACH SHAPE AND SIZE OF UNIT DELIVERED TO PROJECT SITE. DELIVER TO A LOCATION AND AT A TIME DETERMINED BY OWNER, TO BECOME PROPERTY OF OWNER.
- HAVE MOLDS DELIVERED CAREFULLY PACKED; PROTECTED FROM DIRT, MOISTURE, AND BREAKAGE; SO AS TO ARRIVE IN USABLE, UNDAMAGED CONDITION AND ENABLE LONG—TERM STORAGE AND POSSIBLE FUTURE USE.
- GLAZED TERRA COTTA: PROVIDE NEW TERRA COTTA UNITS TO MATCH EXISTING TERRA COTTA UNITS IN BODY COMPOSITION, PHYSICAL PROPERTIES, COLOR, GLOSS, SURFACE TEXTURE, THICKNESS, PROFILE, DIMENSIONS, AND COMPOSITION OF SURFACE GLAZE.

A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:

- BOSTON VALLEY TERRA COTTA.
- GLADDING, MCBEAN; A DIVISION OF PABCO BUILDING PRODUCTS, LLC.
- STUDIO S POTTERY.
- SUPERIOR CLAY CORPORATION.

REFER TO SHEET 4.39 FOR MORTAR PATCHING PROCEDURES AND MOLD MAKING PROCEDURES.

BALCONY KEYNOTES

- CLEAN, PATCH AND POINT UP ALL MASONRY JOINTS.
- REMOVE BALCONY RAILING, BALUSTERS AND ALL ASSOCIATED PIECES AS INDICATED; CLEAN, PATCH, STORE AND MAKE READY FOR REINSTALLATION.
- USE EXISTING PIECES TO MAKE NEW BALUSTERS WHERE MISSING.
- USE EXISTING RAIL CAPS TO MAKE NEW RAIL CAPS WHERE MISSING.
- APPLY 3 COATS OF DEX—O—TEX WATERPROOFING WITH A GRANULAR NON—SLIP TOP COAT
- EXISTING TO REMAIN IN PLACE

NOTE

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Project No.

1390

Date
07.10.2015
Drawn
GLM/KFP
Checked
JCS
Revisions

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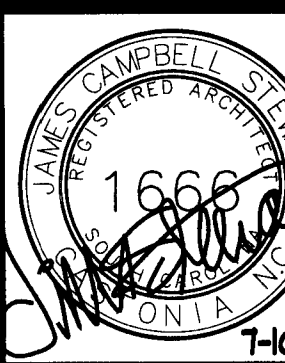
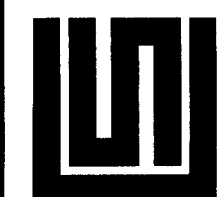


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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
BALCONY RENOVATIONS

sheet 4.92

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 5/10/16

Ref. Spec. Section/Page: Mechanical
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

The attached drawings have been marked up to reflect final new limestone locations the contractor will base their shop drawings from. Please review and confirm this is the current intent.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 5/10/16

Response:

Areas reviewed after weekly OAC meeting:
The areas noted and wall section are correct, any additional changes will be noted on limestone shop drawings.

Recommended By (Name) _____ Company: _____ Date: _____

Kirk Broom

To: Melton, Gloria; Jamie McDermott
Cc: Stewart, Jim
Subject: RE: RFI #15 - 17 Limestone Clarifications.pdf

From: Melton, Gloria [mailto:gmelton@scn-architects.com]
Sent: Friday, May 13, 2016 12:18 PM
To: Jamie McDermott <jamie@leitnerconstructionco.com>; Kirk Broom <kbroom@ccorpusa.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>
Subject: RE: RFI #15 - 17 Limestone Clarifications.pdf

Agree--

Gloria Melton
Architect

Stewart Cooper Newell
Architects

719 E. Second Ave. ph 704.865.6311
Gastonia NC 28054 fx 704.865.0046
scn-architects.com 1.800.671.0621

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From: Jamie McDermott [mailto:jamie@leitnerconstructionco.com]
Sent: Friday, May 13, 2016 11:37 AM
To: Melton, Gloria <gmelton@scn-architects.com>; Kirk Broom <kbroom@ccorpusa.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>
Subject: RE: RFI #15 - 17 Limestone Clarifications.pdf

Gloria, I revised the attached based on our discussions and emails, this should close out the RFI's. Thanks

From: Jamie McDermott
Sent: Tuesday, May 10, 2016 3:31 PM
To: Melton, Gloria <gmelton@scn-architects.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>; Kirk Broom <kbroom@ccorpusa.com>
Subject: RFI #17 Limestone Clarifications.pdf

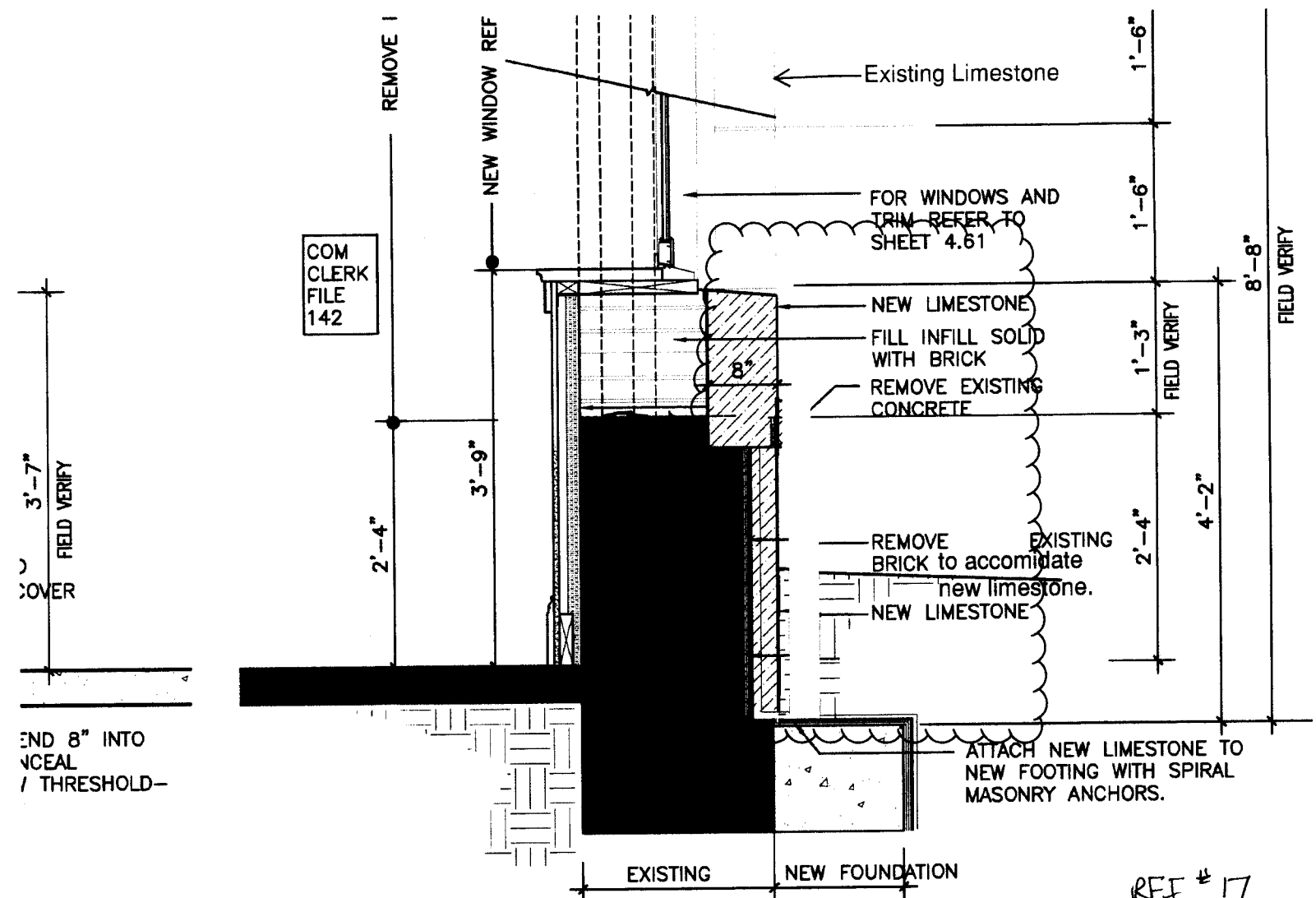
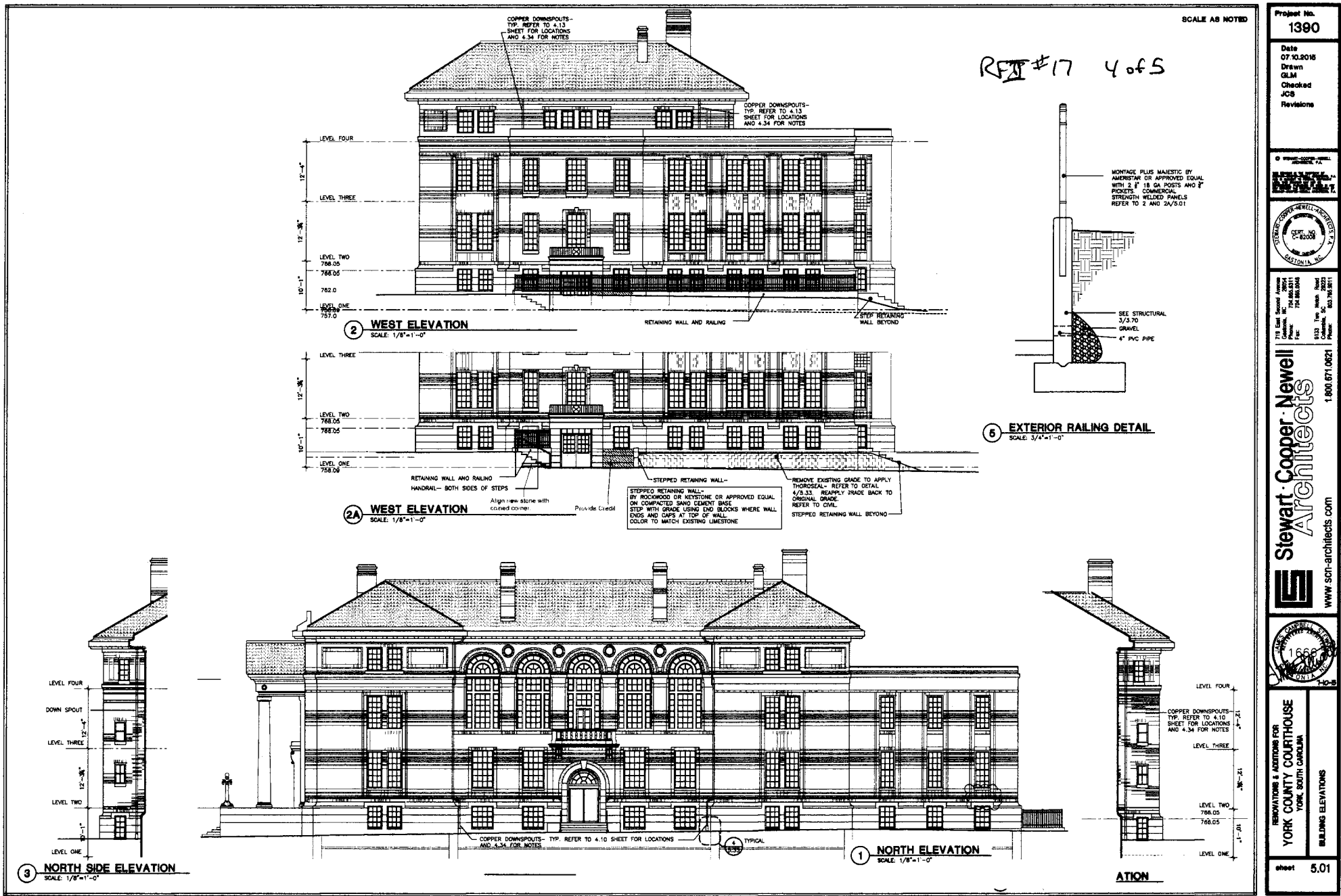
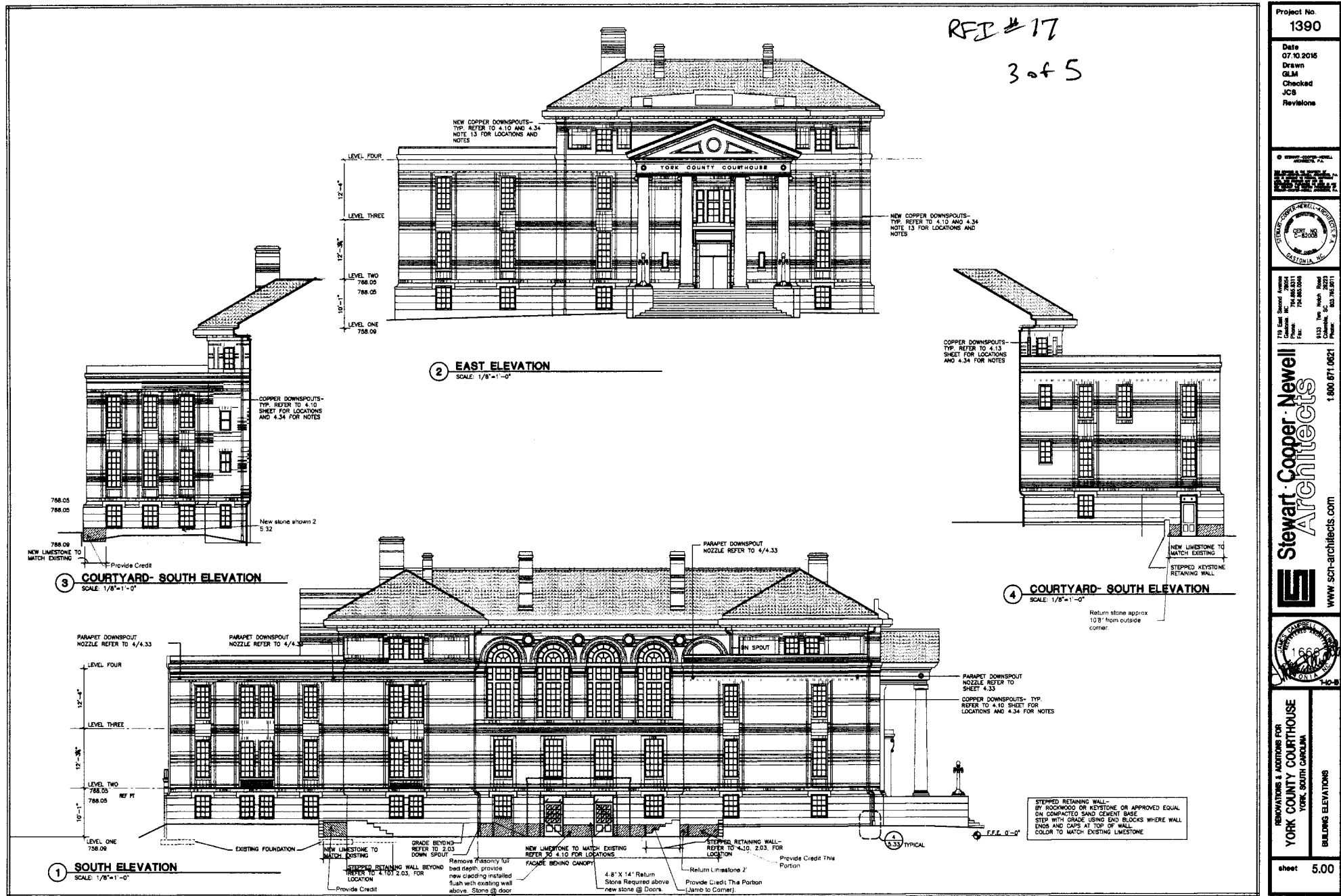
Gloria,
I attached a marked up drawing we've been discussing over the last couple weeks on site for confirmation before the sub-contractor starts reviewing. I have copies of the 3 RFI's from today to review with Jim tomorrow. Thanks.

LEITNER
CONSTRUCTION CO., INC.
RFI #17
1 of 5

RFI # 17
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

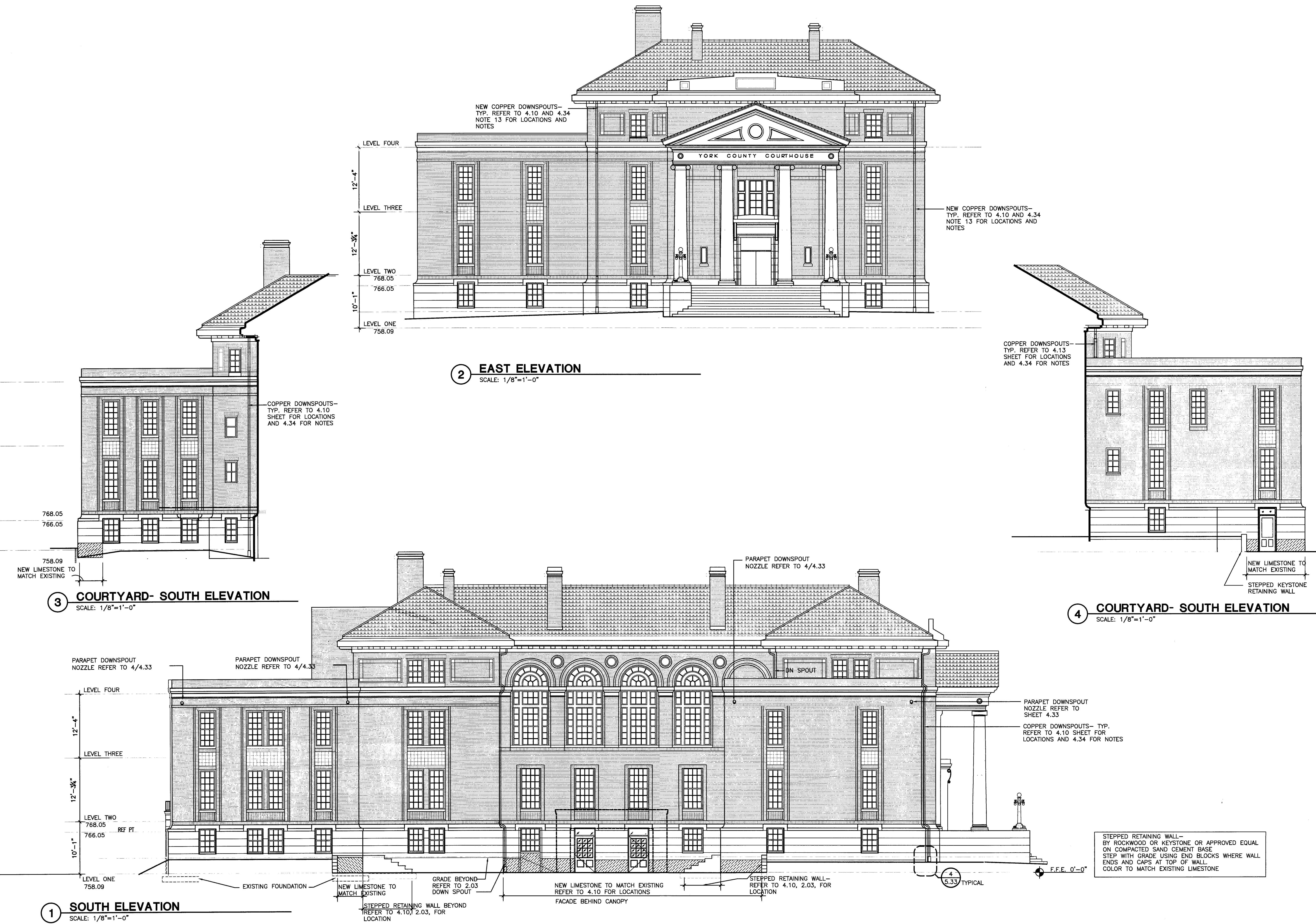
Response Required By: SCN Architects

Drawing/Detail No: 5.10, 5.11, 5.33



1 EXTERIOR WALL DETAIL
SCALE: 3/4"=1'-0"

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Project No.
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Date
07.10.2015

Drawn
GLM

Checked
JCS

Revisions

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DAVID CAMPBELL
REGISTERED ARCHITECT
1668
SOUTH CAROLINA

7-10-15

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

BUILDING ELEVATIONS

sheet **5.00**

Kirk Broom

From: Jamie McDermott <jamiem@leitnerconstructionco.com>
Sent: Thursday, April 21, 2016 9:04 AM
To: Stewart, Jim
Cc: Kirk Broom; Melton, Gloria
Subject: Mock Up/Sample Review
Attachments: Masonry Sample Approvals.pdf

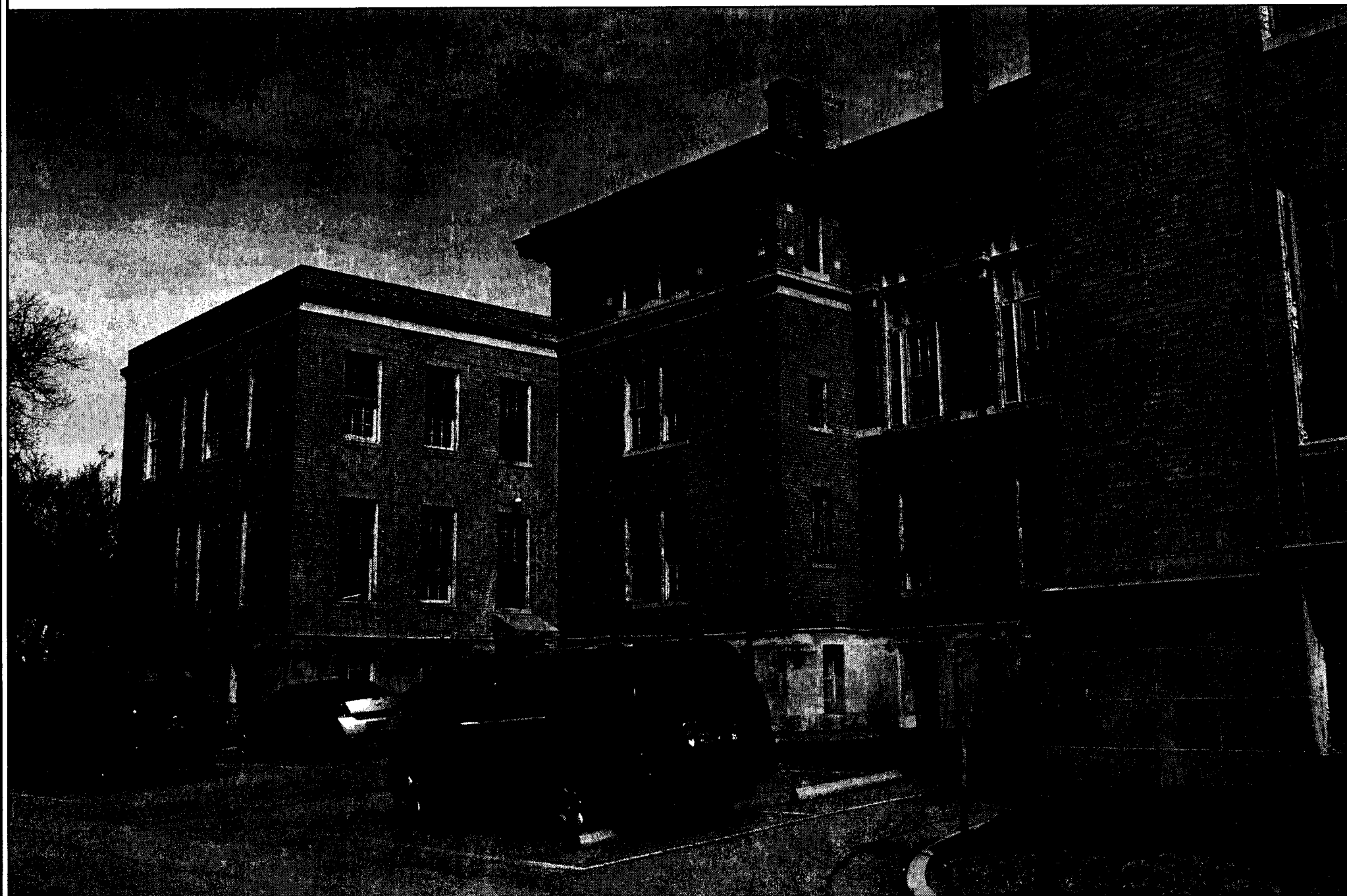
Jim, The following is a recap of the mock up and sample review today after our meeting, I'll note these on the submittal log.

Approved Brick: Taylor Clay 1-19 Iron Spot
Approved Limestone Pointing Mortar- Sample #2 (Ansel to provide color/manufacturer)
Limestone Cleaning: Approved
New Limestone: Sample #1 Beige
New Plaster: Textured approved for newly plastered walls and patching to existing conditions. Smooth finish approved for patching/repair to stairwell columns and trim.

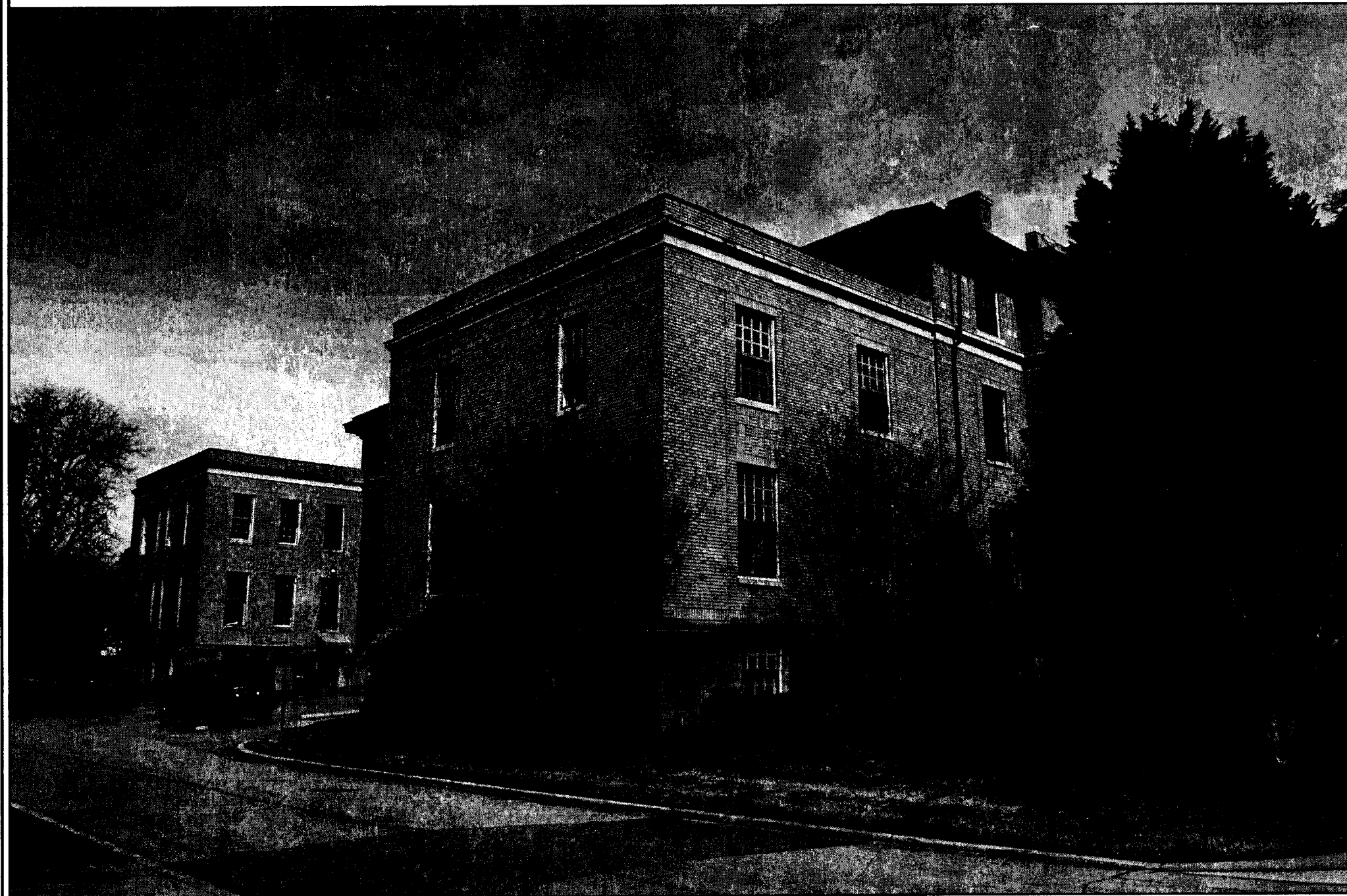
Jamie McDermott
Project Manager, CMP



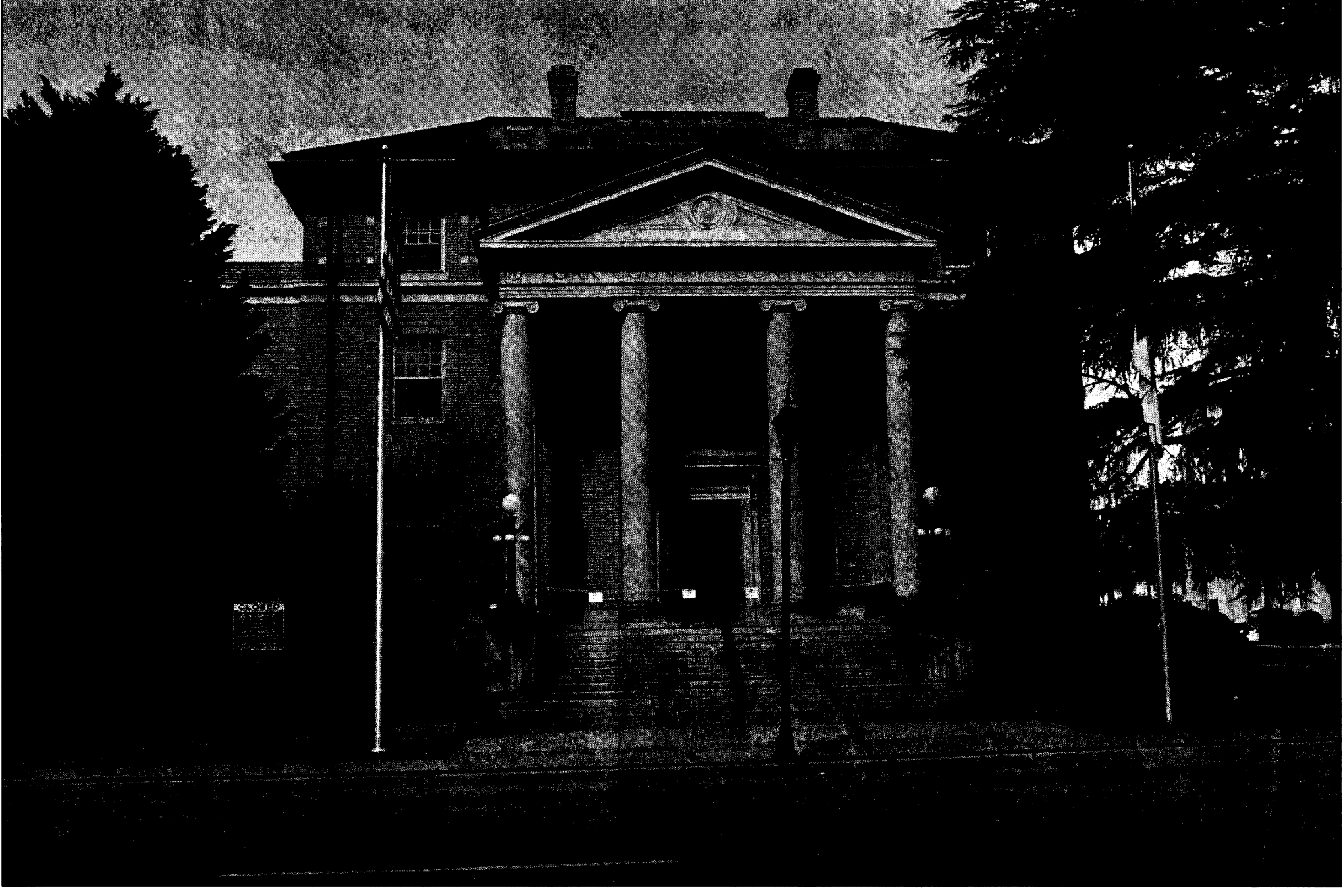
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Rock Hill, S.C. 29731
Office-(803)-324-5665
Fax-(803)-328-8510
Mobile- (803)-230-1939
www.leitnerconstructionco.com



1 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



2 EAST ELEVATION
SCALE: 1/8"=1'-0"



It is important to note that this material should not be removed during the cleaning process.
In all areas where the pink material is located---joints should be inspected and where deteriorated, new materials should be installed using original materials. Color and texture should match original. All joints shall be returned to a watertight condition. See specifications sections in Division 4.

CLAY MASONRY RESTORATION AND CLEANING

REFER TO FOLLOWING SPECIFICATIONS SECTIONS BUT NOT LIMITED TO FOR ADDITIONAL INFORMATION:
SECTION 013591--HISTORIC TREATMENT PROCEDURES
SECTION 049015--CLAY MASONRY RESTORATION AND CLEANING
SECTION 049025--STONE RESTORATION AND CLEANING

- IMPORTANT NOTE:
THE MORTAR JOINTS IN THE EXISTING BRICK WORK IS A RAKED JOINT THAT IS CAPABLE OF ALLOWING MOISTURE TO INTRUDE INTO THE BUILDING. THE JOINTS AT SOME POINT IN THE PAST WERE SEALED WITH A PINK MATERIAL. IT IS IMPORTANT TO NOTE THAT THIS MATERIAL IS TO BE REMOVED DURING THE CLEANING PROCESS. *see Add #02 - The existing mortar grout will NOT be removed (pink)*
- CLEAN THE ENTIRE BUILDING FROM TOP TO BOTTOM.
- CLEAN ALL TERRA COTTA AND LIMESTONE.
- USE APPROPRIATE CHEMICALS AND PRESSURE WASHING FOR EACH TYPE OF MATERIAL TO BE CLEANED.

- REMOVE LOOSE BRICK MORTAR AND SEALANT AND PREPARE FOR TUCKPOINTING OF MORTAR JOINTS AND REPLACEMENT OF LOOSE OR BROKEN BRICK OVER THE ENTIRE EXTERIOR.
- REMOVE ALL GROUT FROM ALL JOINTS IN TERRA COTTA AND LIMESTONE AND PREPARE FOR REGROUTING.
- JOINTS BETWEEN TERRA COTTA COMPONENTS AND LIMESTONE COMPONENTS SHALL BE FILLED WITH EXPANDING POLYURETHANE FOAM. RAKE FOAM BACK FROM THE SURFACE FOR A MINIMUM OF 3". PROCEED WITH GROUTING ALL JOINTS WITH MATCHING COLOR MORTAR.
- ALL CLAY MASONRY AND STONE SHALL BE CLEANED JOINTS PREPARED FOR REGROUTING, REGROUTING AND SEALING BOTH CLAY MASONRY, BRICK AND STONE.

Refer to Note 7 - Revise as follows:

7. Joints between Terra Cotta components and Limestone components shall be filled with closed cell foam backer rod. Seat backer rod to a depth of a minimum of 1/4". Grout all joints with matching color mortar.

NOTE

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Project No.
1390

Date
07.10.2015

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GLM

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JCS

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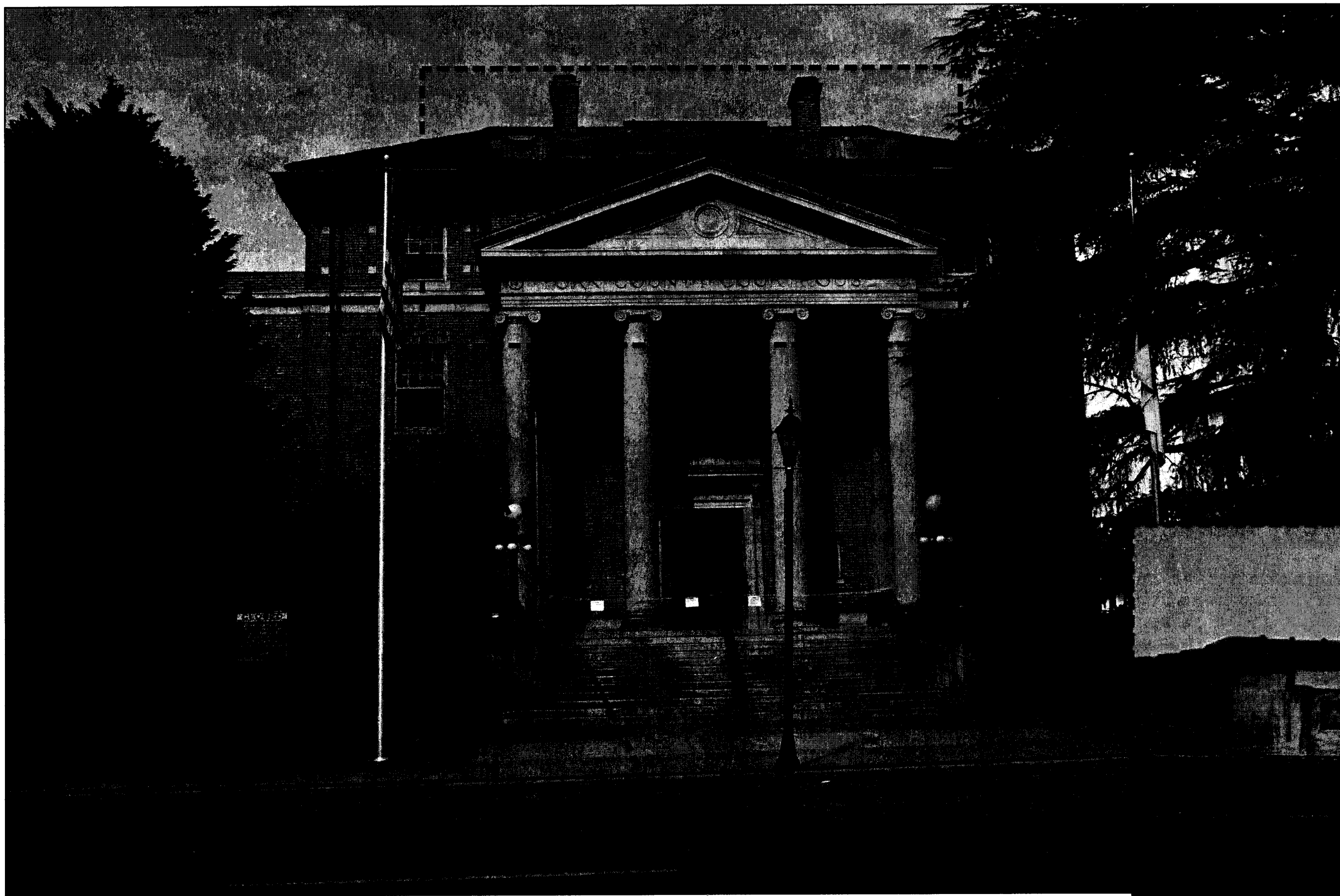
1.800.671.0621

JOHN CAMPBELL
REGISTERED ARCHITECT
SOUTH CAROLINA
1968

RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ELEVATION PHOTOS

sheet 5.00a



IMPORTANT NOTE:
DO NOT REMOVE PATINA ON COPPER.
ANY PIECES THAT ARE REPLACED OR
CLEANED SHALL BE TREATED TO MATCH
EXISTING COPPER. REFER TO CORNICE
NOTES ON SHEETS 4.34.

CLEAN TERRA COTTA THOROUGHLY AND
REGLAZE IN PLACE RESEAL ALL
JOINTS. REFER TO TERRA COTTA
NOTES BALCONY SHEET 4.92 FOR
ADDITIONAL INFORMATION. (SEE SPECS.)



1 EAST ELEVATION
SCALE: N.T.S.

CLAY MASONRY RESTORATION AND CLEANING

REFER TO FOLLOWING SPECIFICATIONS SECTIONS BUT NOT LIMITED TO FOR ADDITIONAL INFORMATION:
SECTION 013591—HISTORIC TREATMENT PROCEDURES
SECTION 049015—CLAY MASONRY RESTORATION AND CLEANING
SECTION 049025—STONE RESTORATION AND CLEANING

1. IMPORTANT NOTE:
THE MORTAR JOINTS IN THE EXISTING BRICK WORK IS A RAKED JOINT THAT IS CAPABLE OF ALLOWING
MOISTURE TO INTRUDE INTO THE BUILDING. THE JOINTS AT SOME POINT IN THE PAST WERE SEALED WITH
A PINK MATERIAL. IT IS IMPORTANT TO NOTE THAT THIS MATERIAL IS TO BE REMOVED DURING THE
CLEANING PROCESS.
2. CLEAN THE ENTIRE BUILDING FROM TOP TO BOTTOM.
3. CLEAN ALL TERRA COTTA AND LIMESTONE.
4. USE APPROPRIATE CHEMICALS AND PRESSURE WASHING FOR EACH TYPE OF MATERIAL TO BE CLEANED.

5. REMOVE LOOSE BRICK MORTAR AND SEALANT AND PREPARE FOR TUCKPOINTING OF MORTAR JOINTS AND
REPLACEMENT OF LOOSE OR BROKEN BRICK.
6. REMOVE ALL GROUT FROM ALL JOINTS IN TERRA COTTA AND LIMESTONE AND PREPARE FOR REGROUTING.
7. JOINTS BETWEEN TERRA COTTA COMPONENTS AND LIMESTONE COMPONENTS SHALL BE FILLED WITH EXPANDING
POLYURETHANE FOAM. RAKE FOAM BACK FROM THE SURFACE FOR A MINIMUM OF $\frac{3}{4}$ ". PROCEED WITH
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Project No.
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ENLARGED ELEVATION PHOTOS

sheet 5.00b

SCALE AS NOTED

Project No.
1390

Date
07.10.2015

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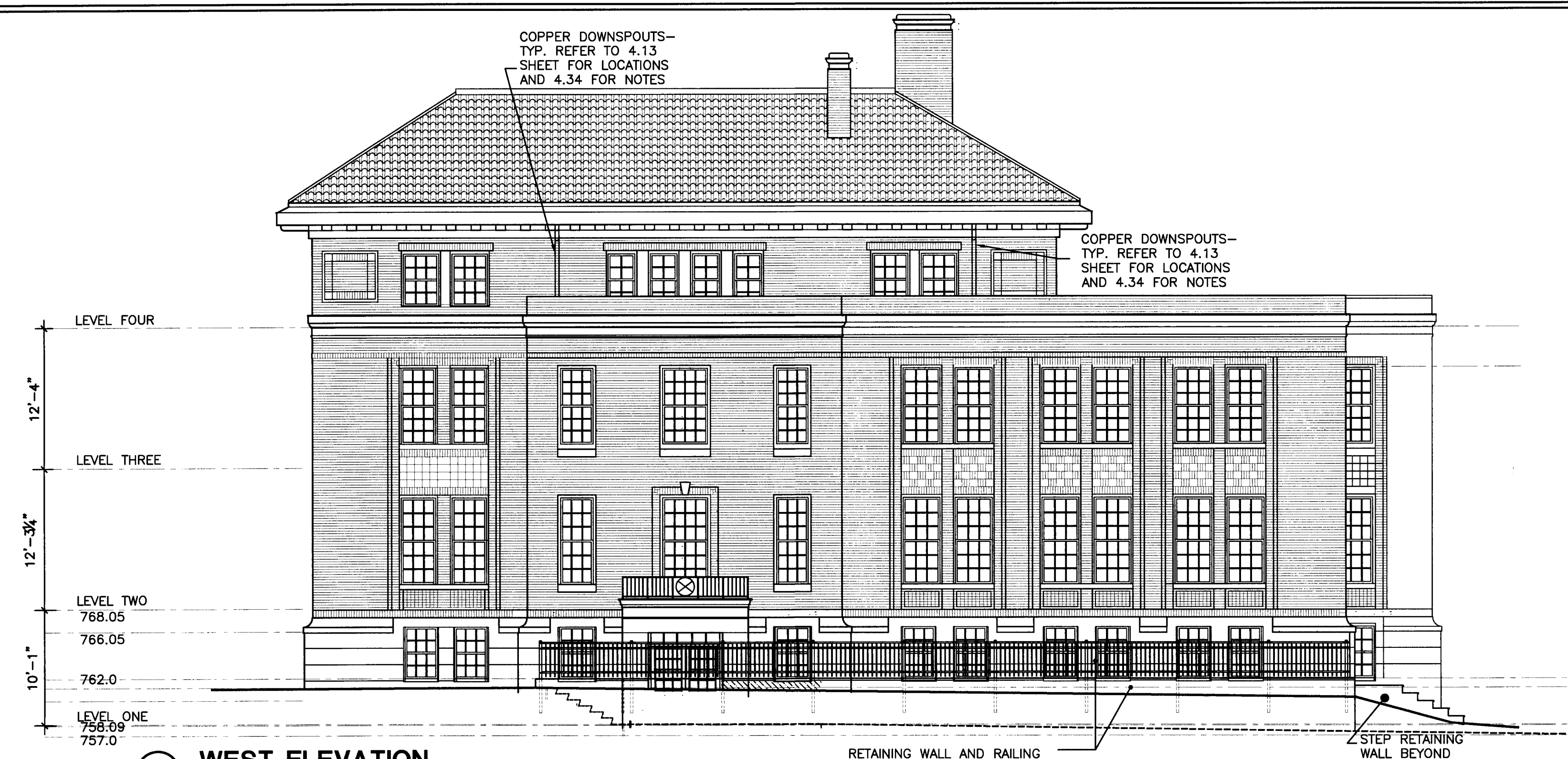
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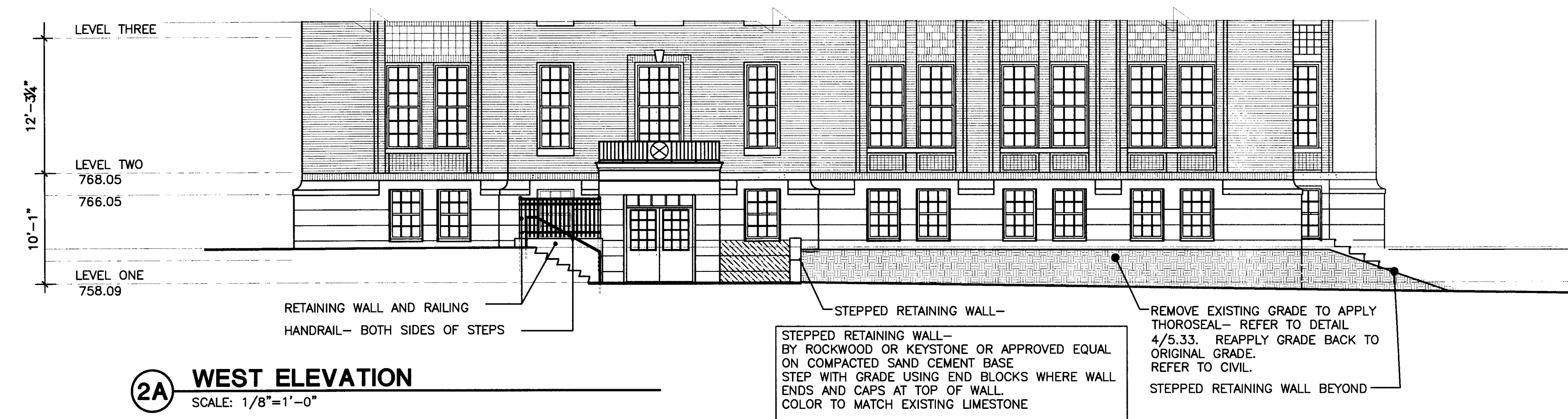
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

BUILDING ELEVATIONS

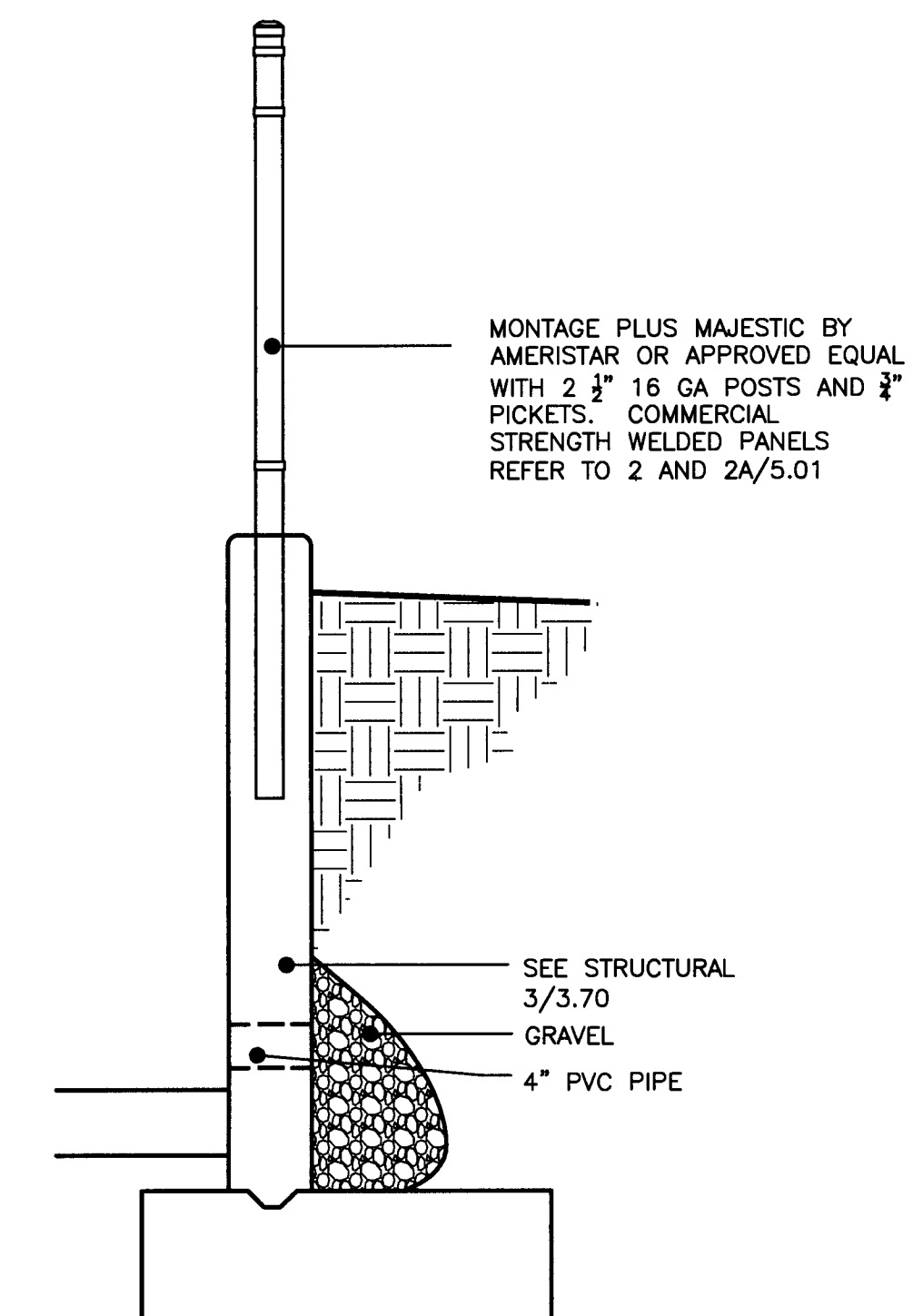
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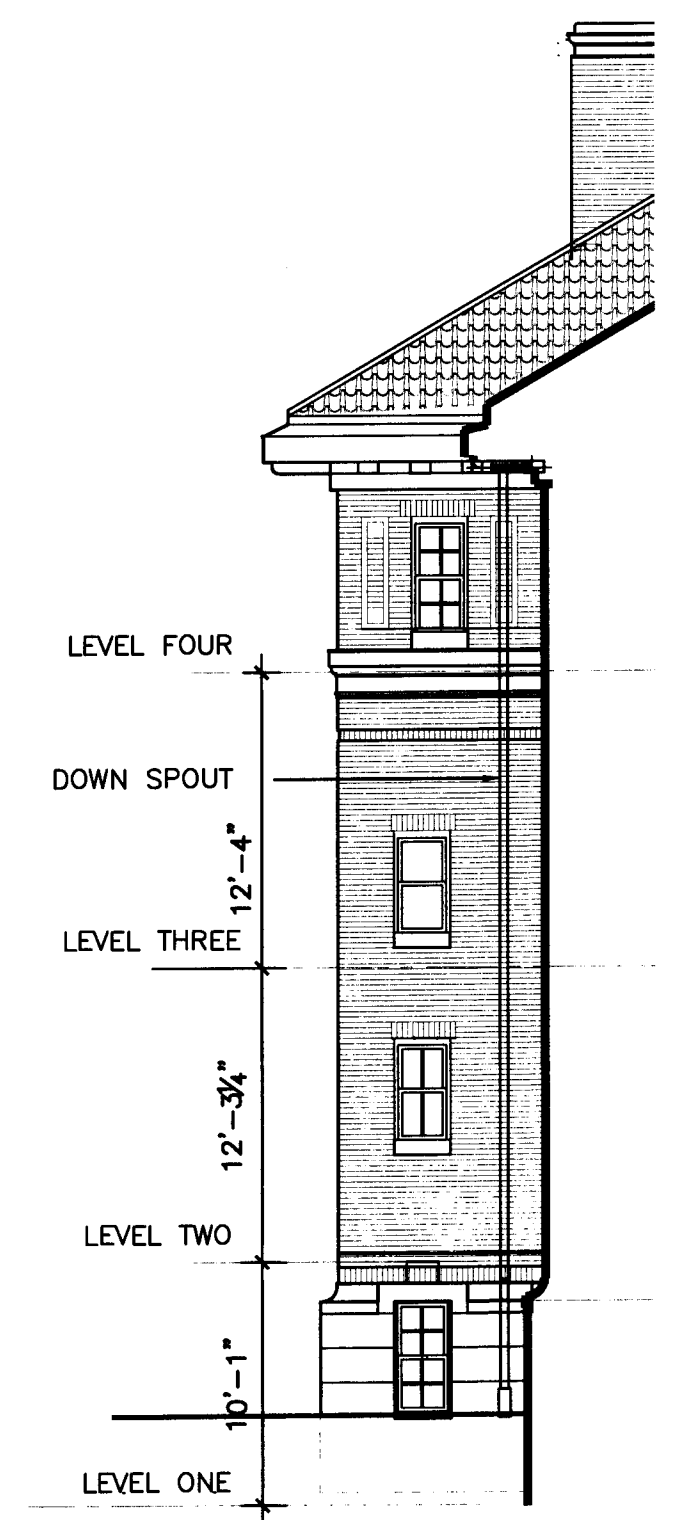
2 WEST ELEVATION
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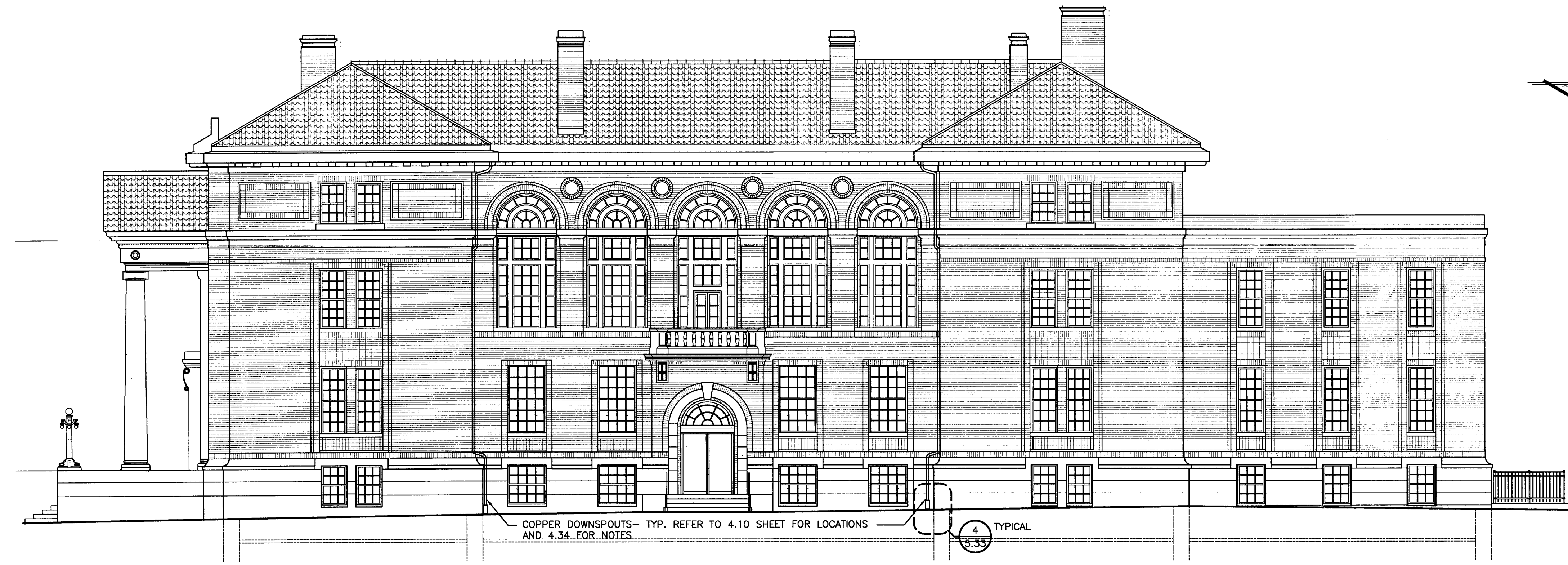
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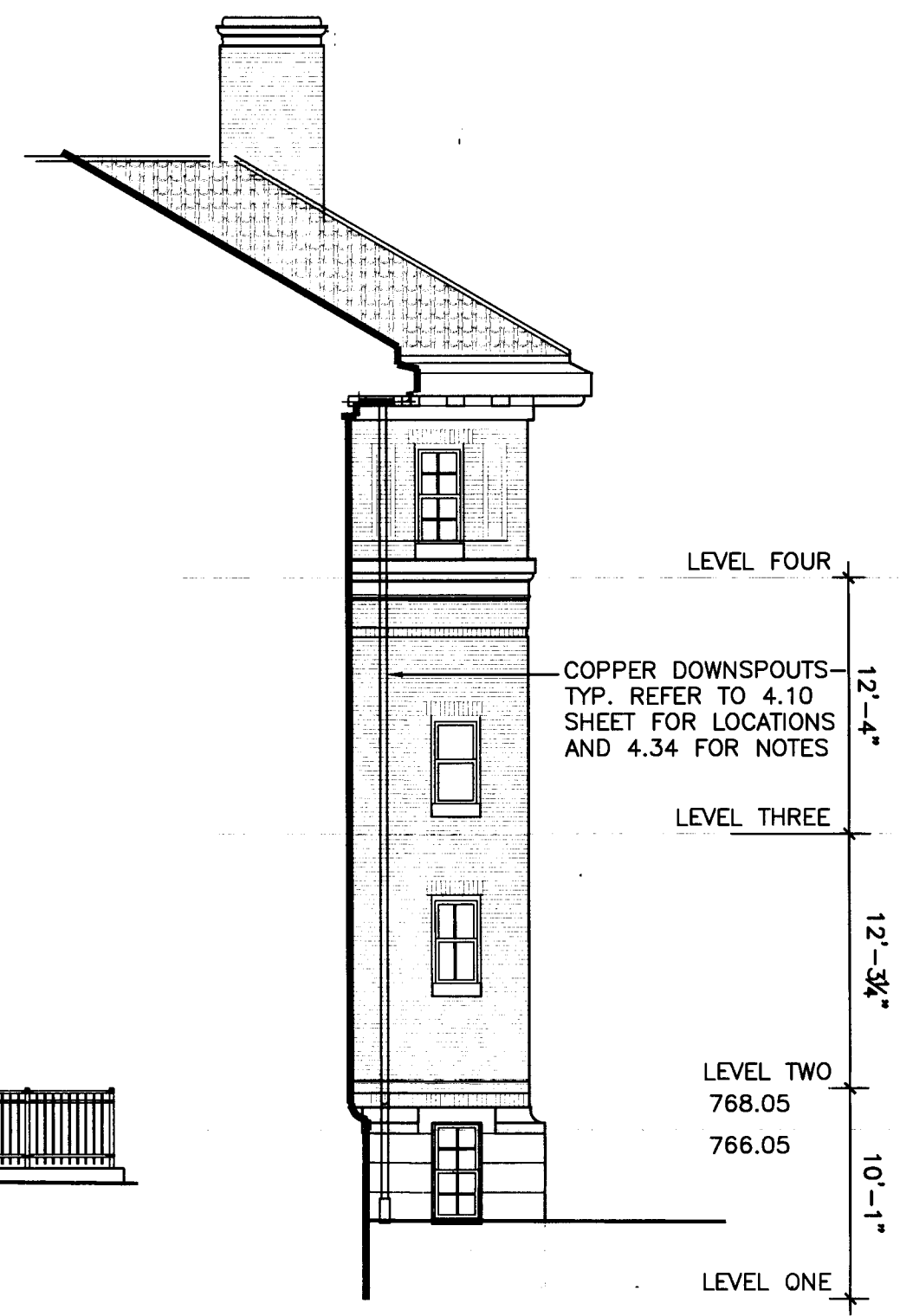
5 EXTERIOR RAILING DETAIL
SCALE: 3/4"=1'-0"



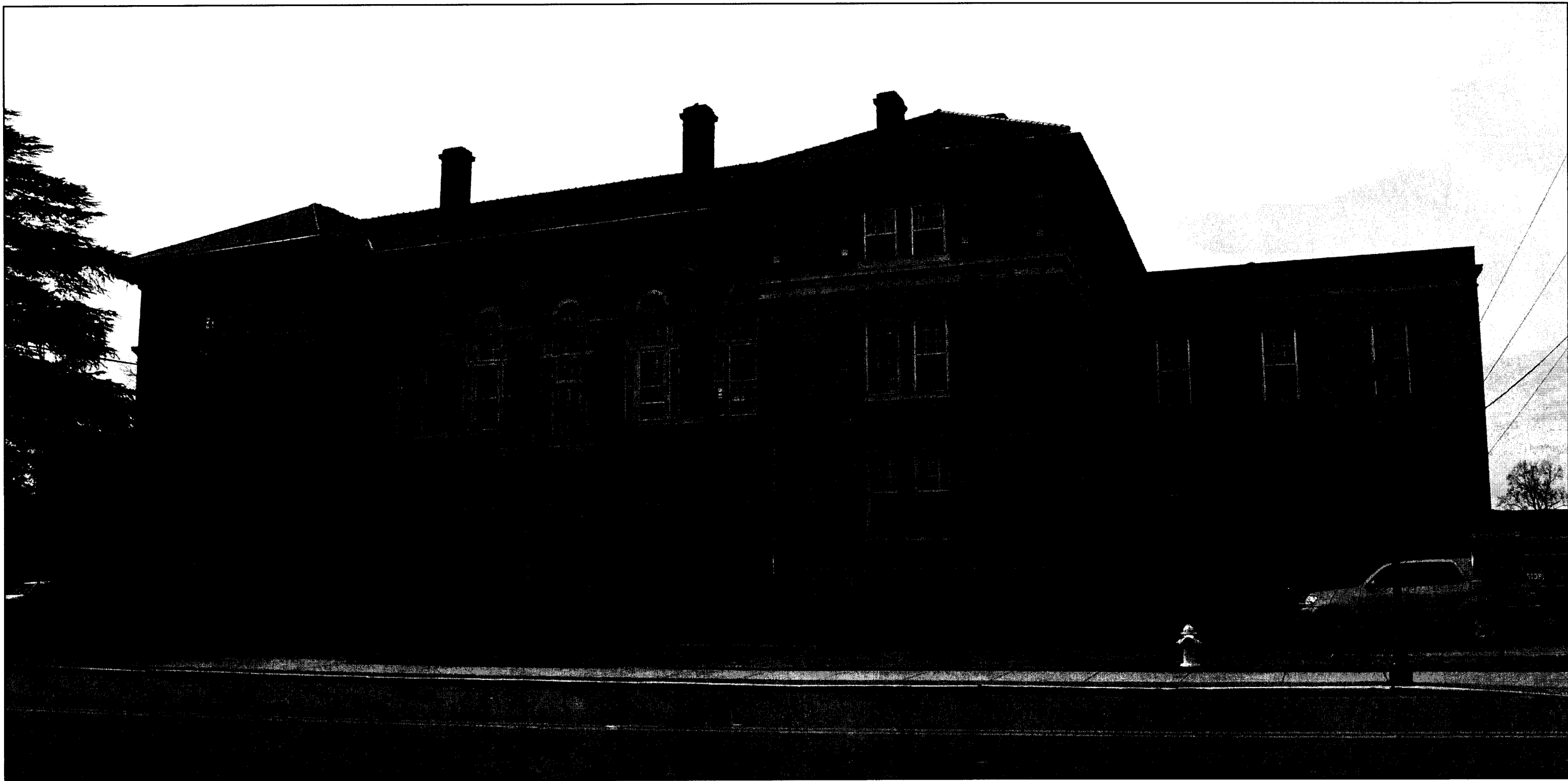
3 NORTH SIDE ELEVATION
SCALE: 1/8"=1'-0"



1 NORTH ELEVATION
SCALE: 1/8"=1'-0"



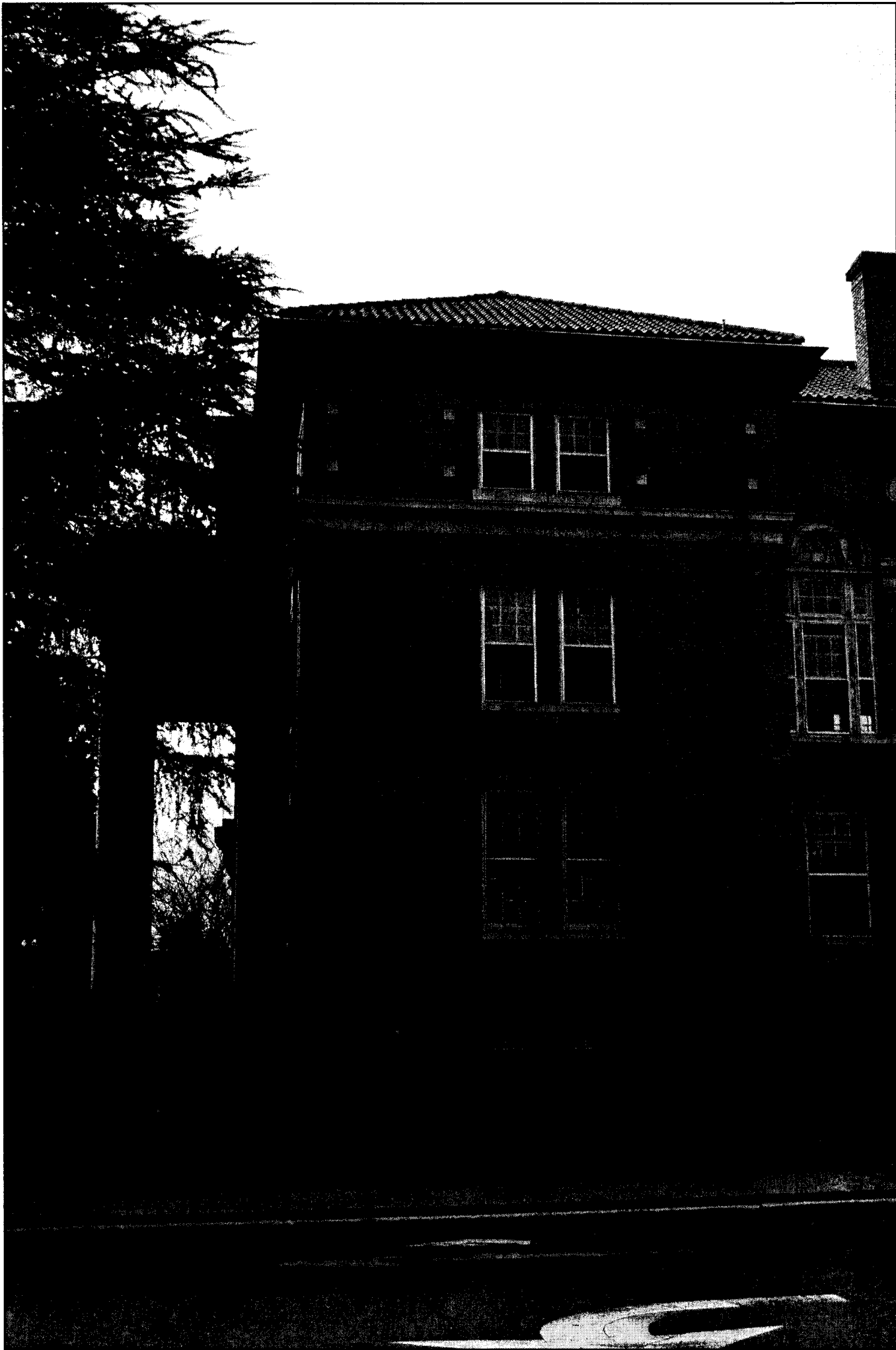
4 NORTH SIDE ELEVATION
SCALE: 1/8"=1'-0"



1 NORTH ELEVATION
SCALE: 1/8"=1'-0"



2 WEST ELEVATION
SCALE: 1/8"=1'-0"



1A NORTH ELEVATION
SCALE: 1/8"=1'-0"

SCALE AS NOTED

CLAY MASONRY RESTORATION AND CLEANING

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Date
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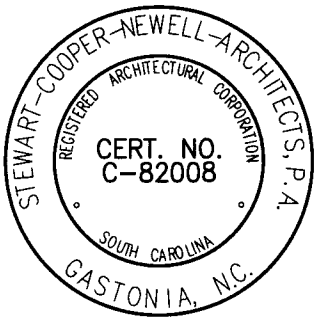
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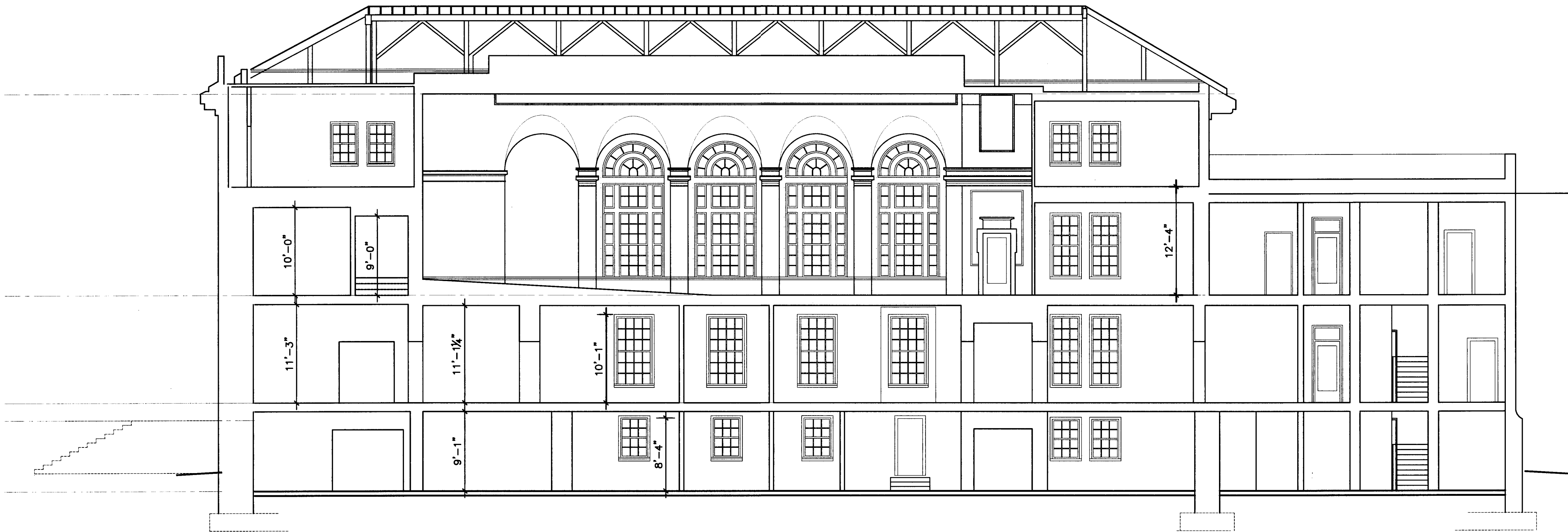
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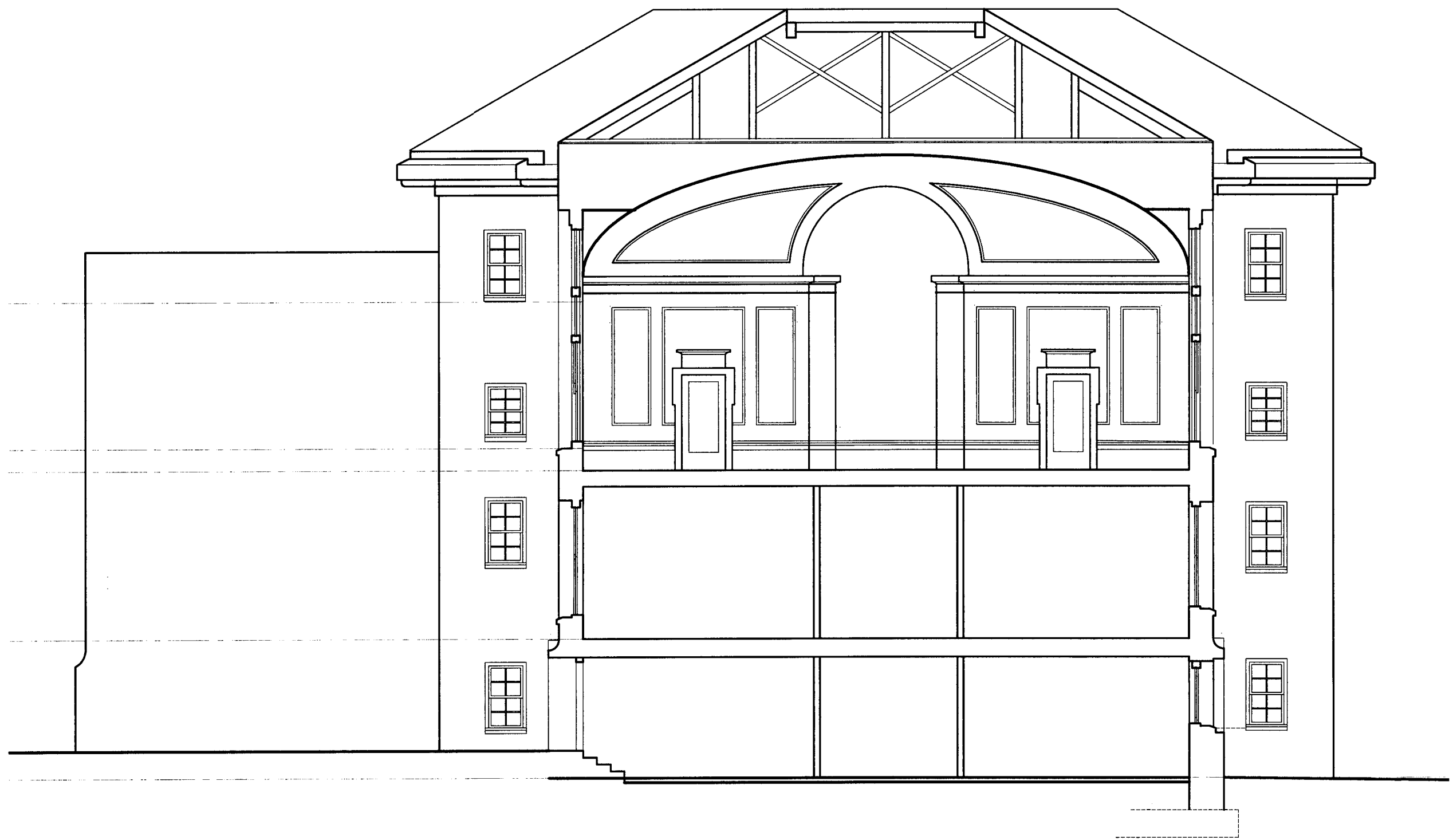
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

EXISTING ELEVATIONS

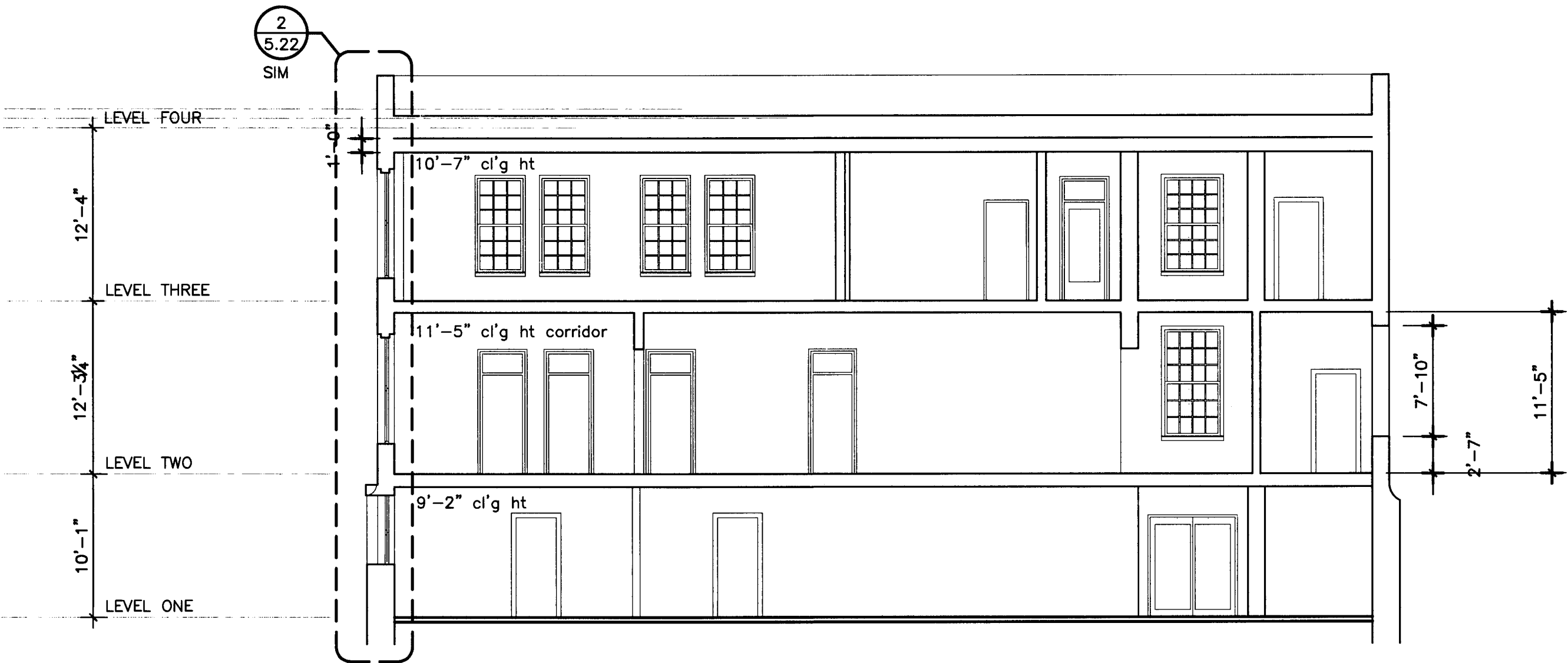
sheet **5.01A**



1 EXISTING BUILDING SECTION
SCALE: 1/8"=1'-0"



2 EXISTING BUILDING SECTION
SCALE: 1/8"=1'-0"



3 EXISTING BUILDING SECTION
SCALE: 1/8"=1'-0"

ORIGINATION OF EXISTING DRAWINGS

THE CONTRACT DRAWINGS WERE PREPARED BASED ON EXISTING DRAWINGS, SITE SURVEY, ENVIRONMENTAL TESTING, SOIL BORINGS AND OTHER DOCUMENTS AND INFORMATION PROVIDED TO THE ARCHITECT BY YORK COUNTY. ACTUAL FIELD CONDITIONS MAY VARY FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS AND COORDINATING ANY VARIANCES WITH THE OWNER AND ARCHITECT PRIOR TO DEMOLITION OR CONSTRUCTION.

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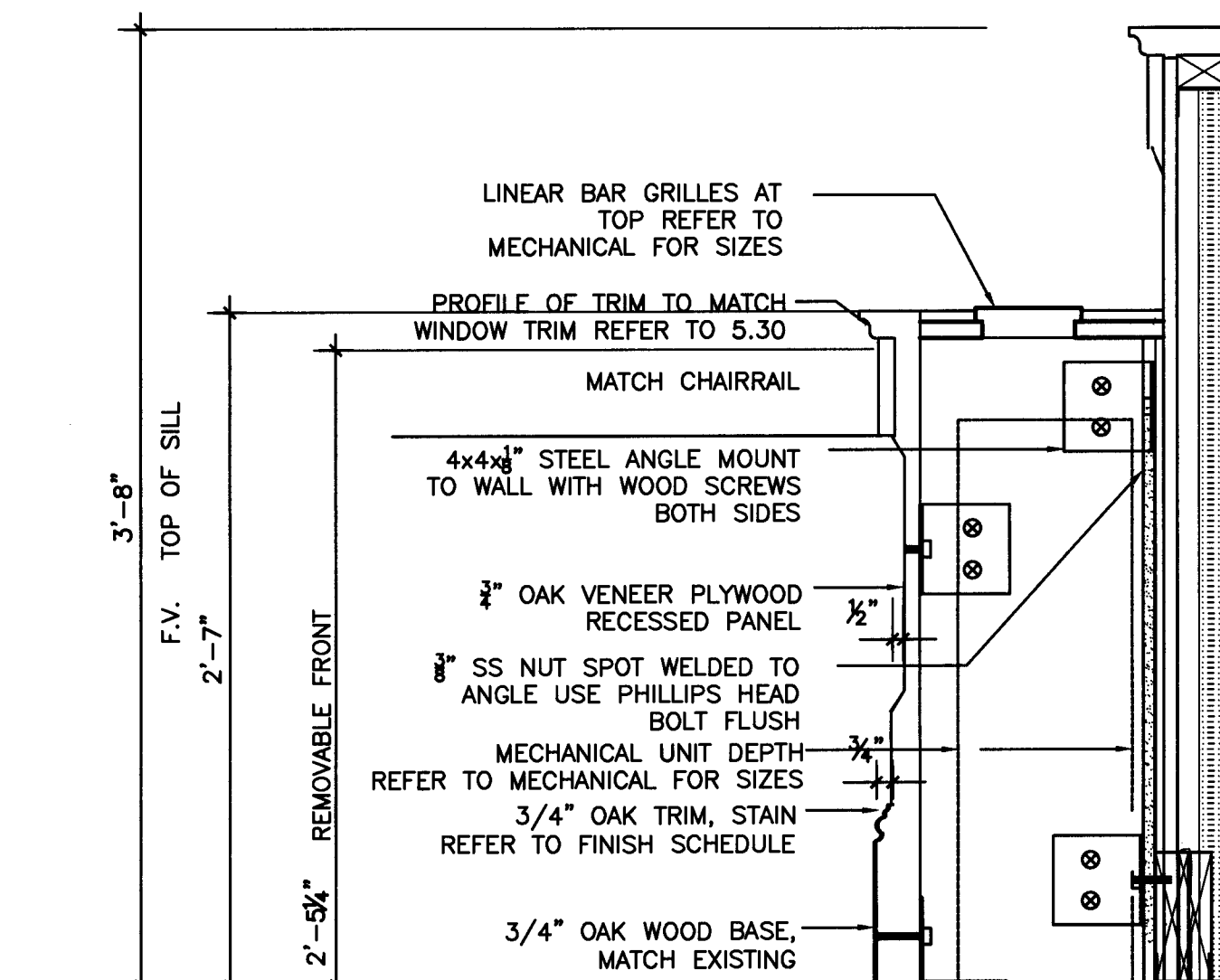
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REGISTERED ARCHITECT
1988
SOUTH CAROLINA
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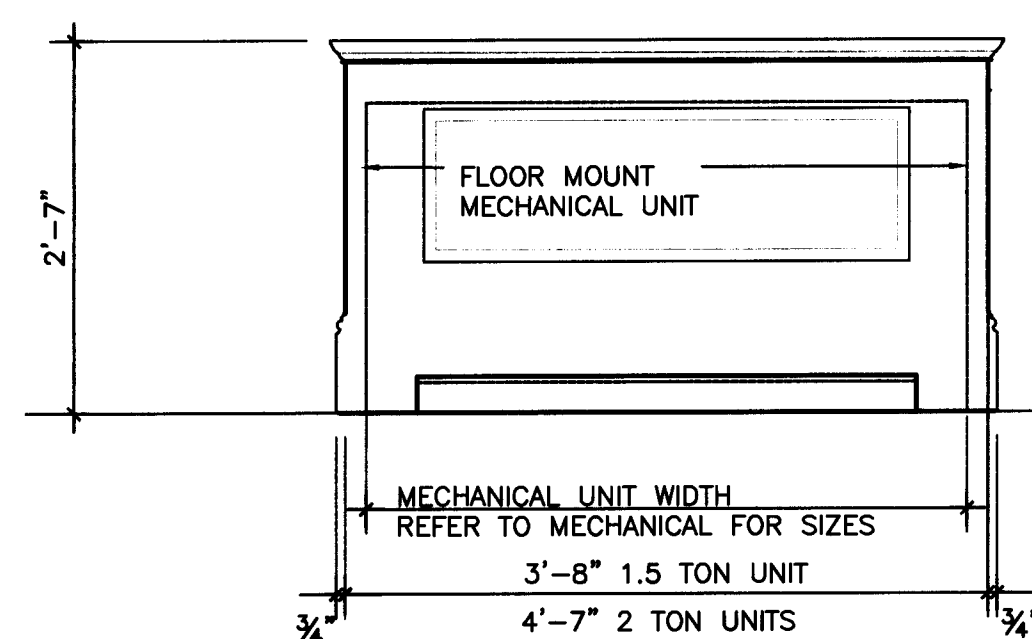
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

EXISTING BUILDING SECTIONS

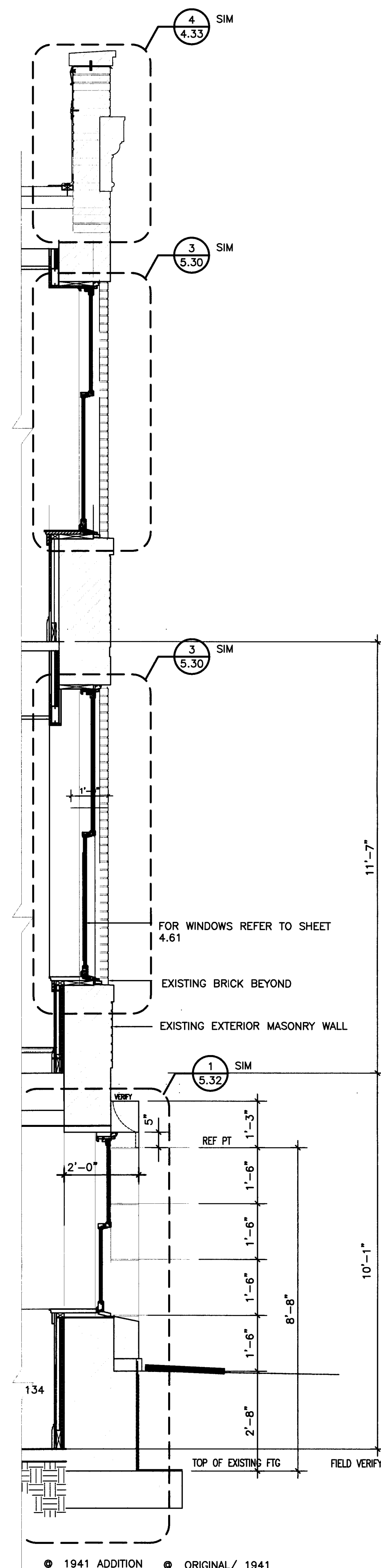


CONSTRUCTION SIMILAR TO THOSE IN MAIN COURTROOM,
BUT WITH DIFFERENT TRIM

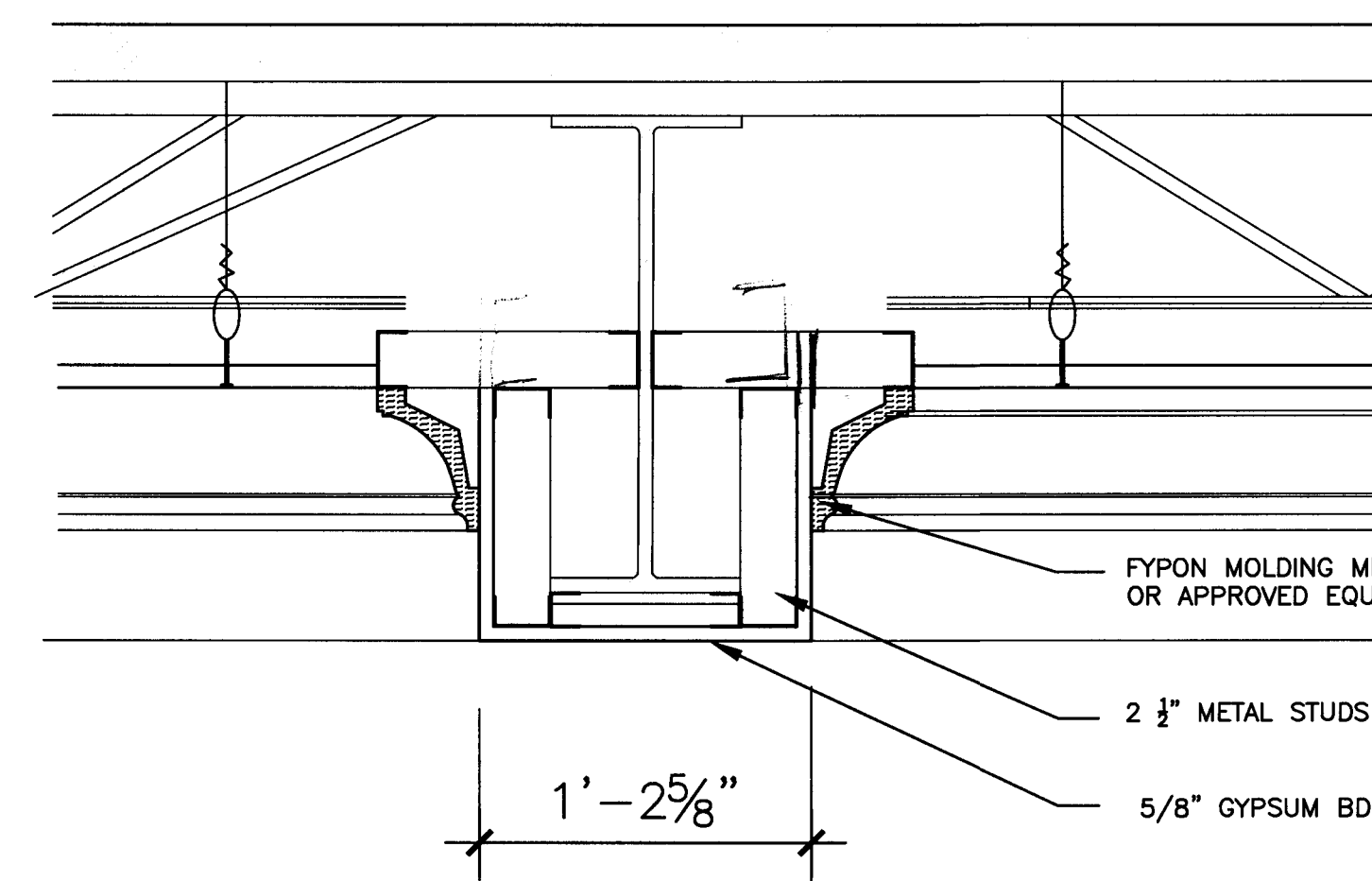
**5 COURTROOMS 106, 203
MILLWORK SECTION**
SCALE: 1 1/2"=1'-0"



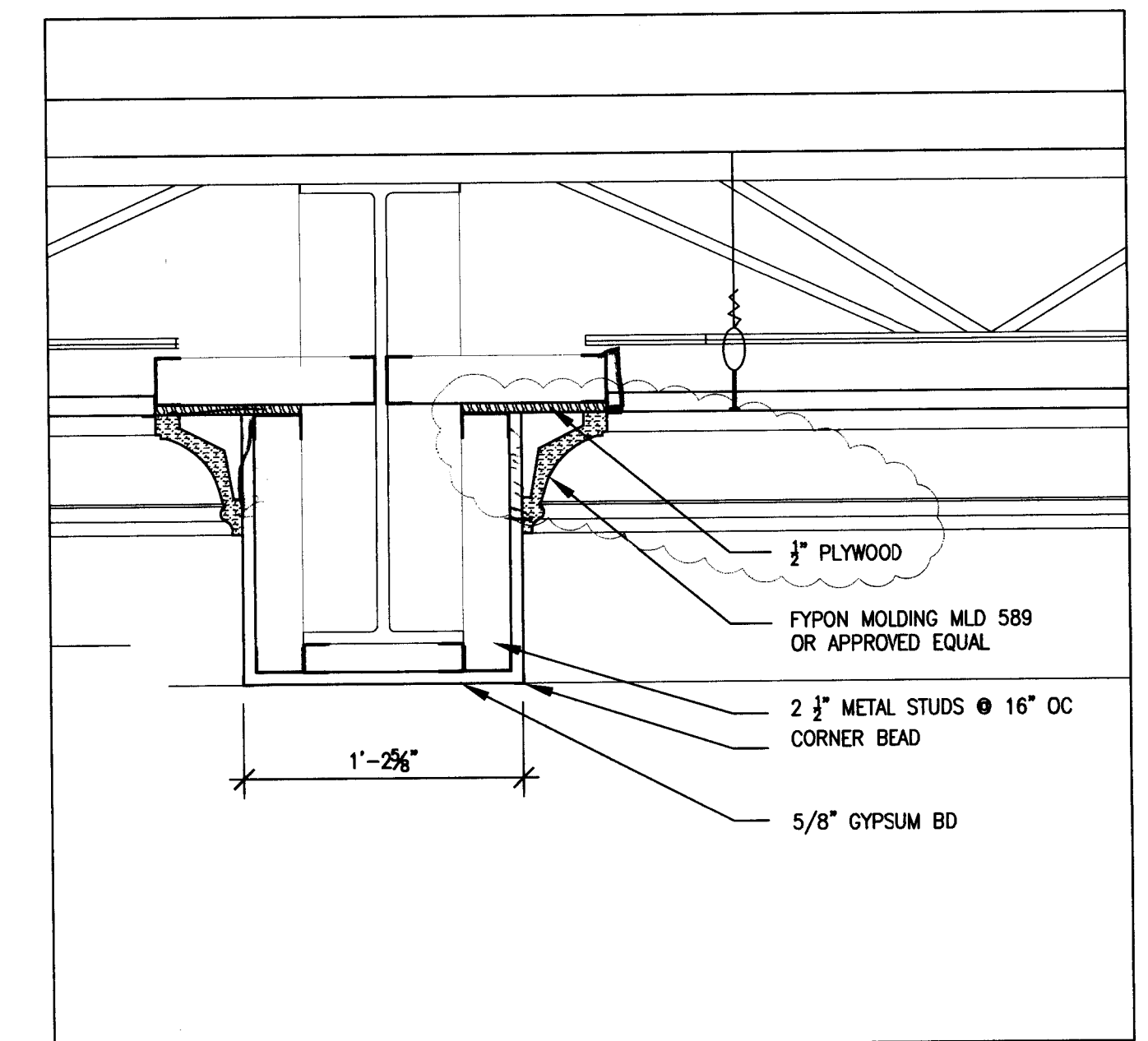
**4 COURTROOMS 106, 203
MILLWORK ELEVATION**
SCALE: 3/4"=1'-0"



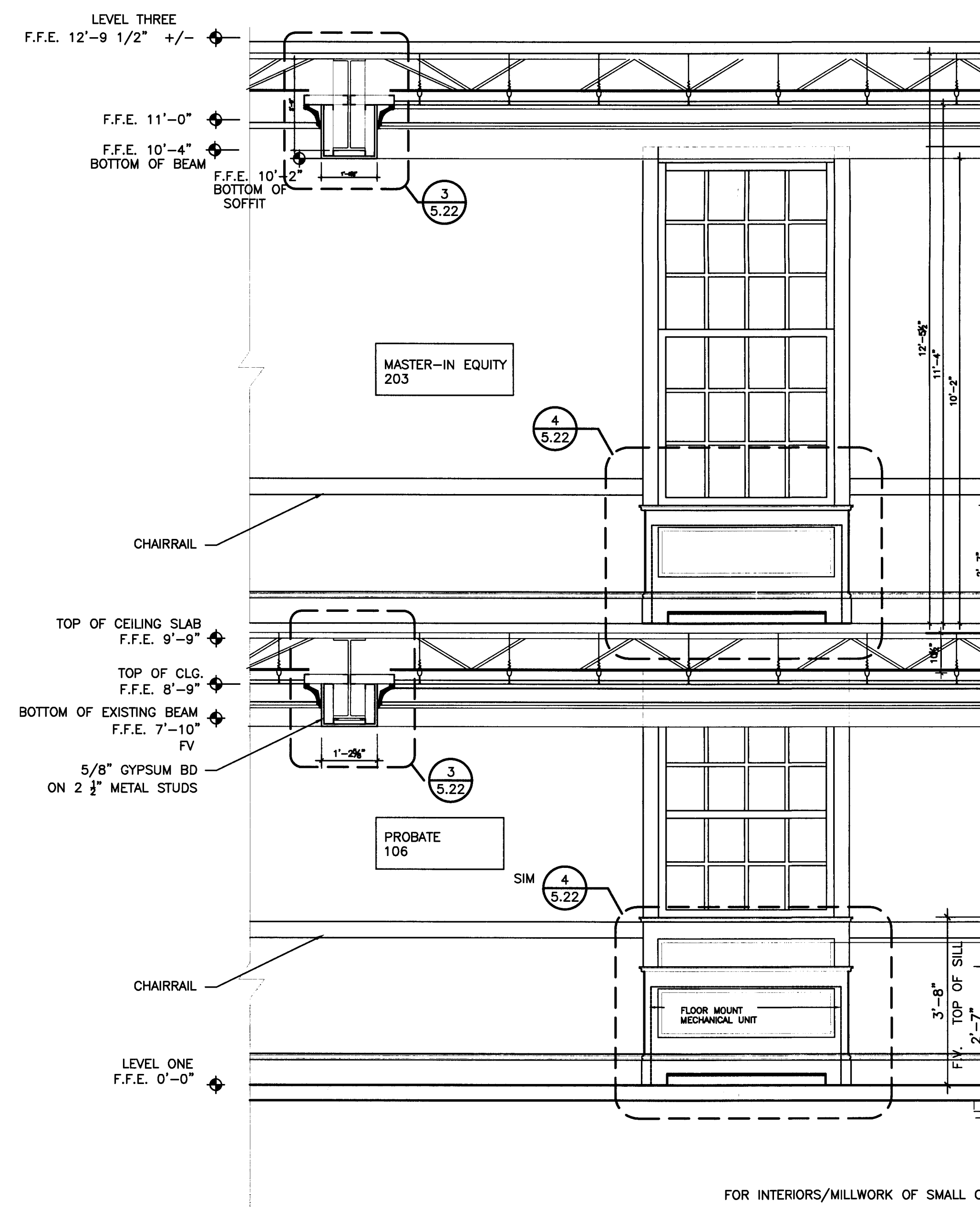
2 EXTERIOR WALL SECTION
SCALE: 1/2"=1'-0"



3 SECTION 3 SOFFIT
SCALE: 1 1/2"=1'-0"



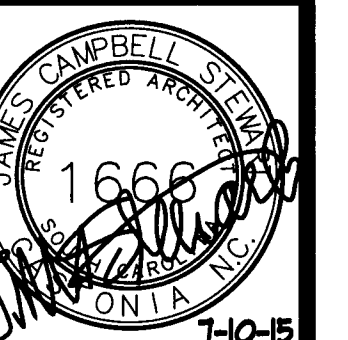
1 SECTION 1 SOFFIT
SCALE: 1 1/2"=1'-0"



**1 EXTERIOR WALL SECTION
1954 ADDITION- SMALL COURT ROOM**
SCALE: 1/2"=1'-0"

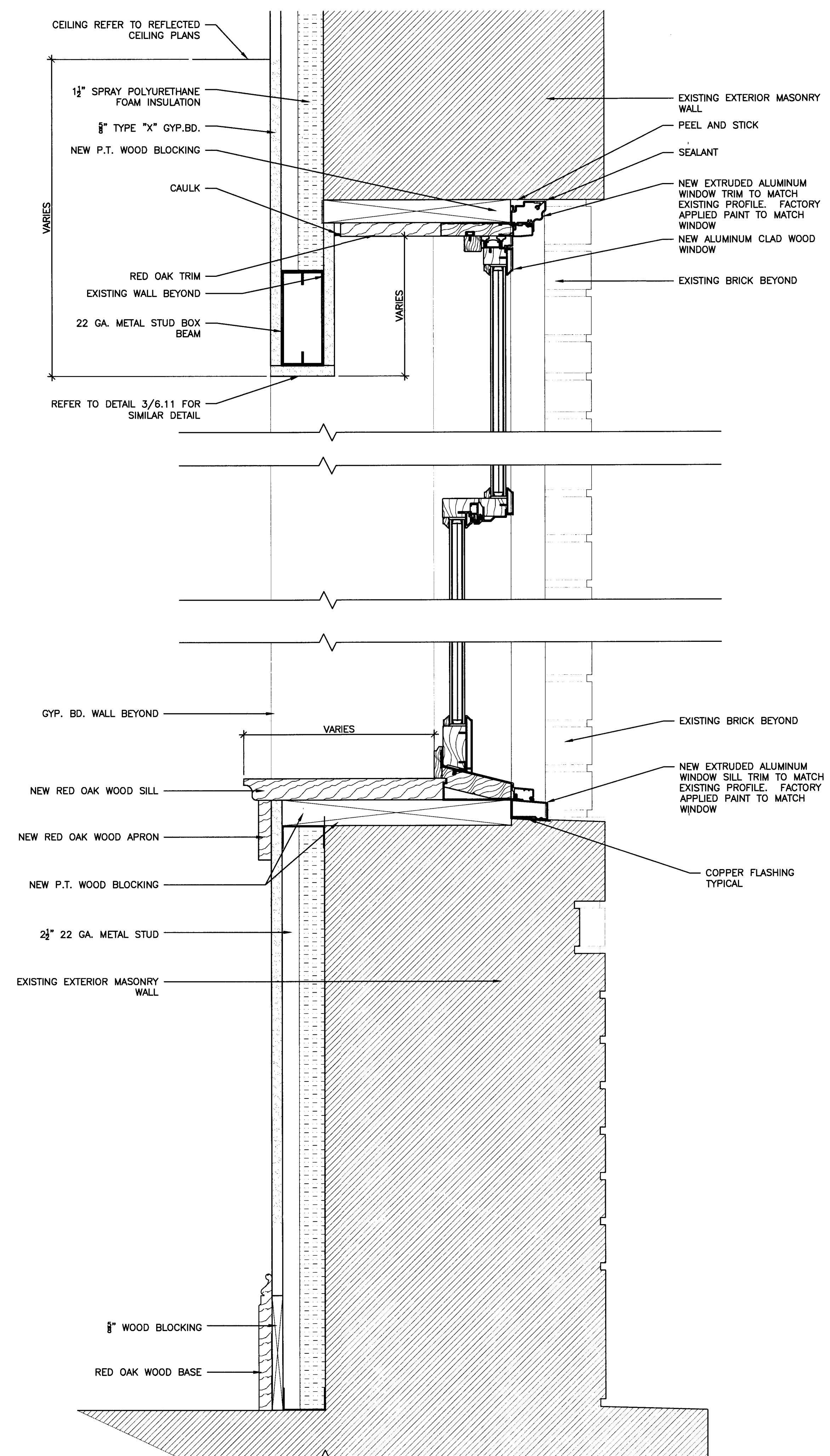
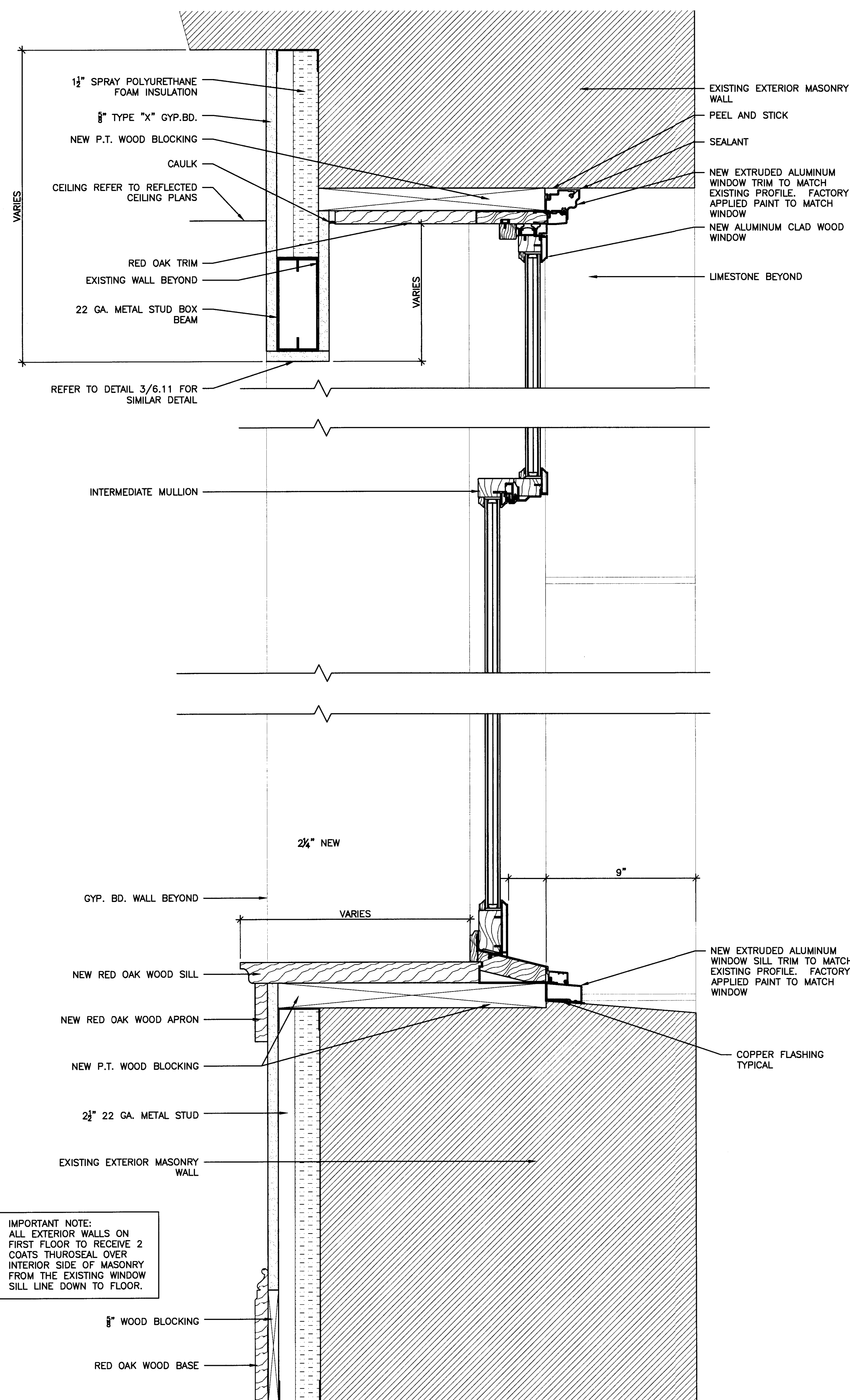
Stewart Cooper Newell Architects www.scn-architects.com 1800.671.0621	178 East Second Street Charleston, SC 29401 Phone: 704.886.0111 Fax: 704.886.0141	REFERENCE SHEET NO. 5.22 WALL SECTIONS, MILLWORK ARCHITECTURAL BULLETIN DRAWING	DATE 08.13.15 ABD01
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
WALL SECTIONS, MILLWORK

sheet **5.22**



NOT USED

1 WALL SECTION
SCALE: 3"=1'-0"

SCALE: 3"=1'-0"

2 TYPICAL WINDOW WALL SECTION AT LIMESTONE
SCALE: 3"=1'-0"

SCALE: 3"=1'-0"

3 TYPICAL WINDOW WALL SECTION AT MASONRY
SCALE: 3"=1'-0"

SCALE: 3"=1'-0"

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Date
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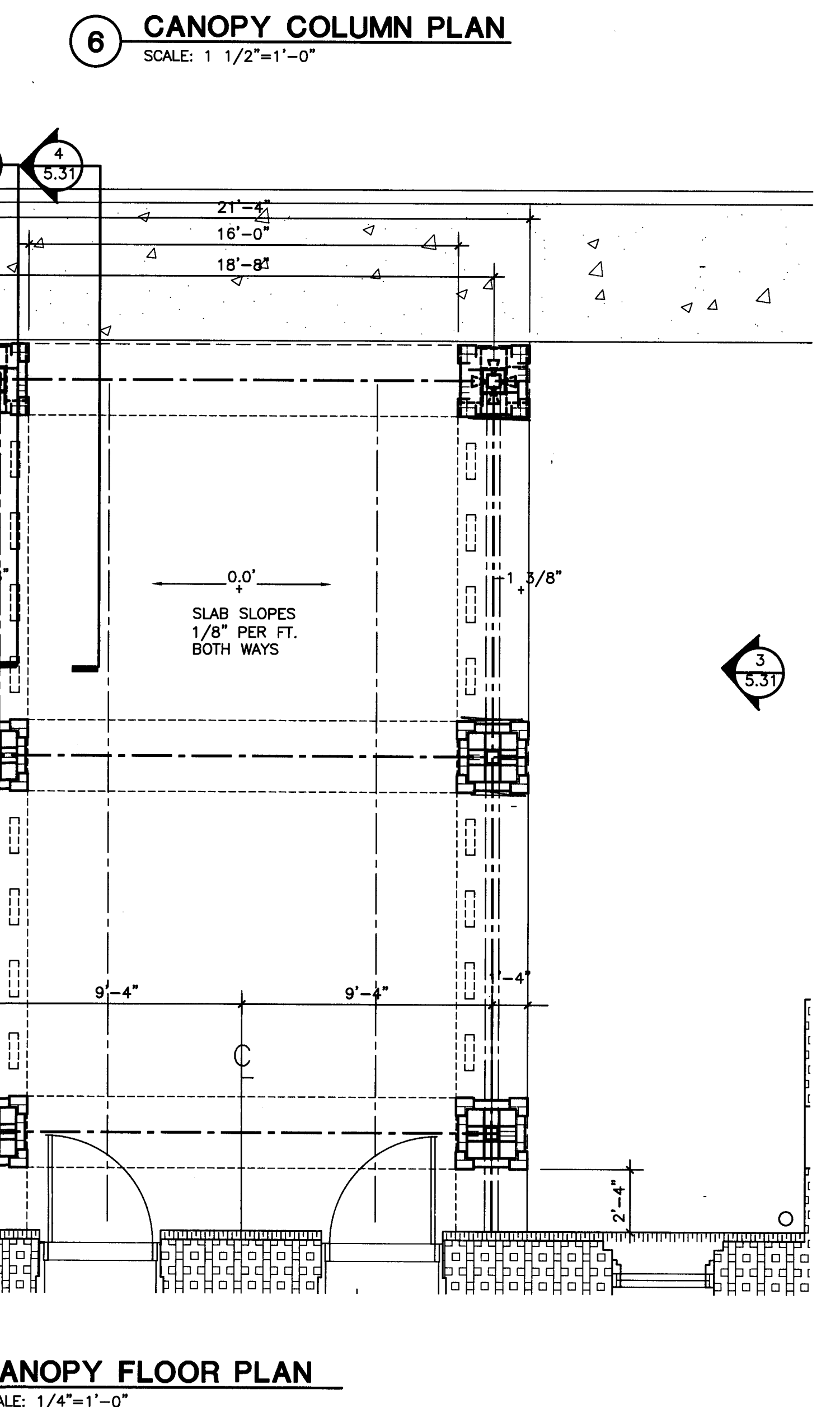
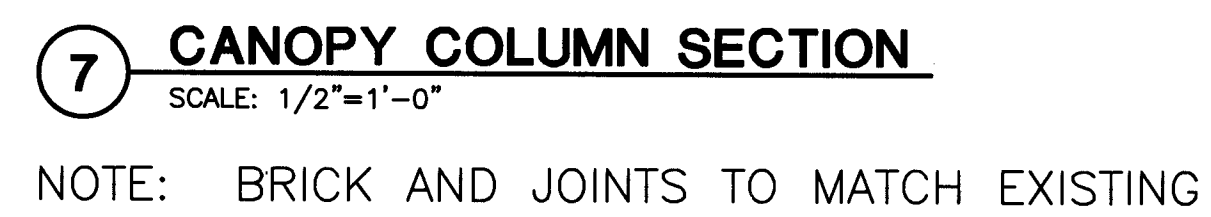
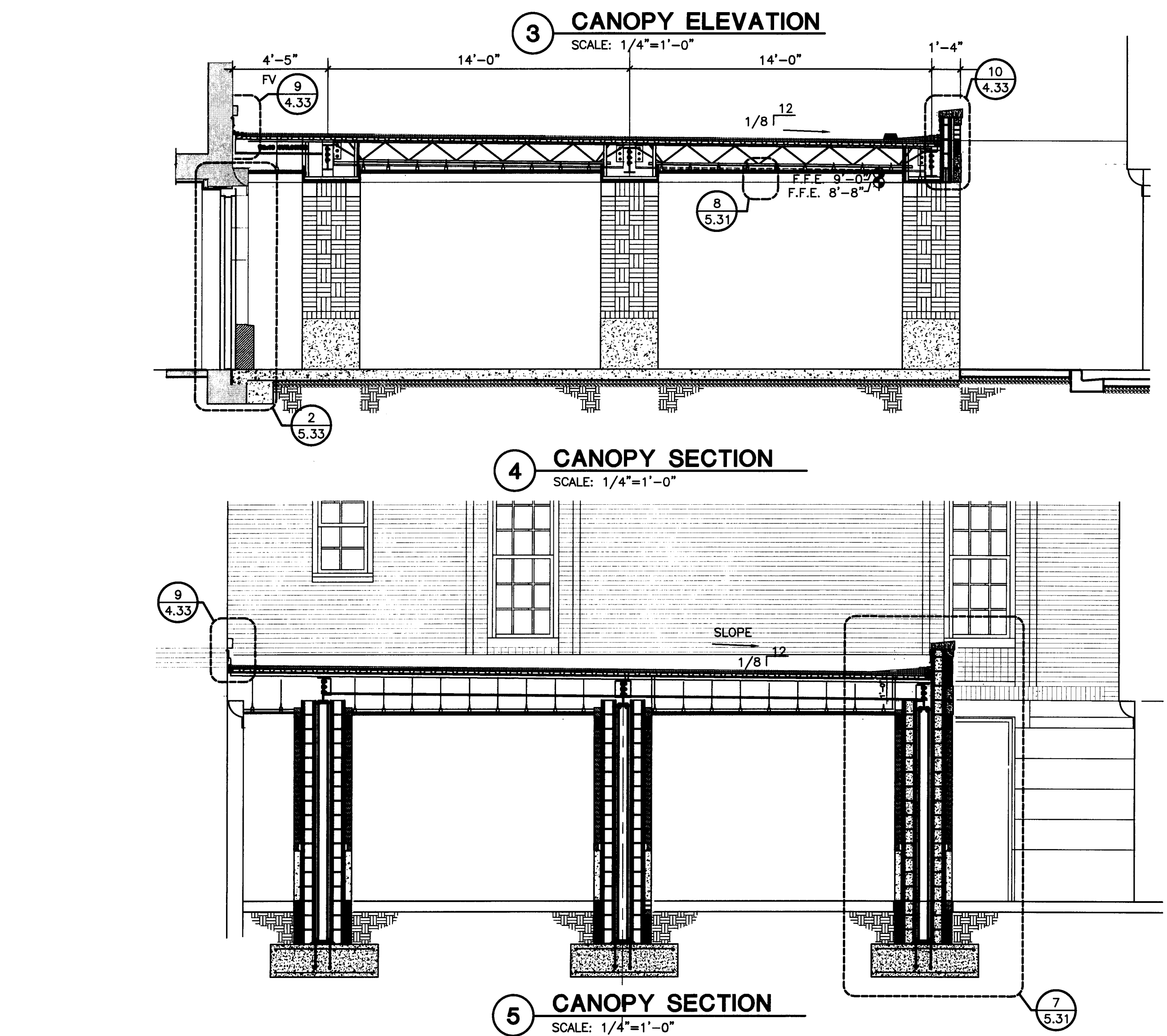
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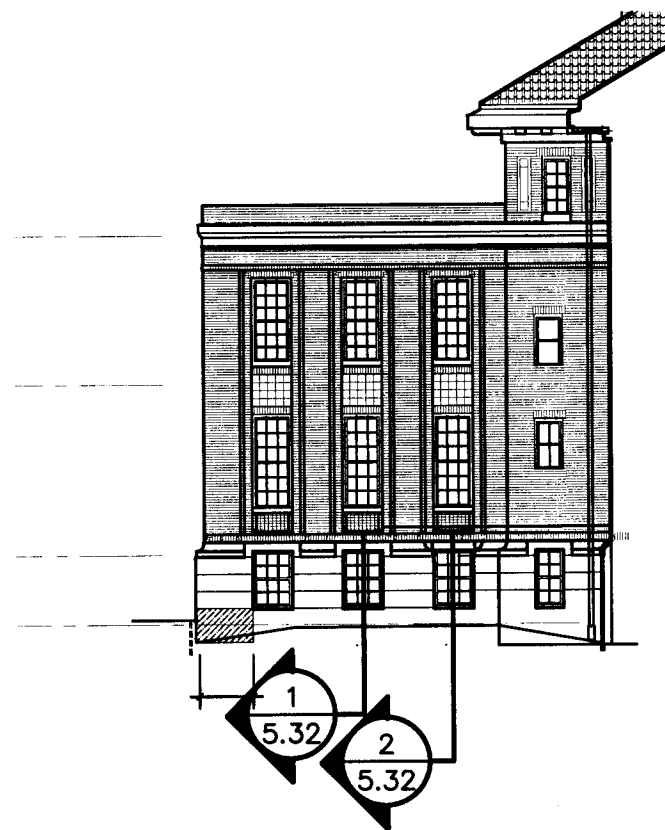


YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

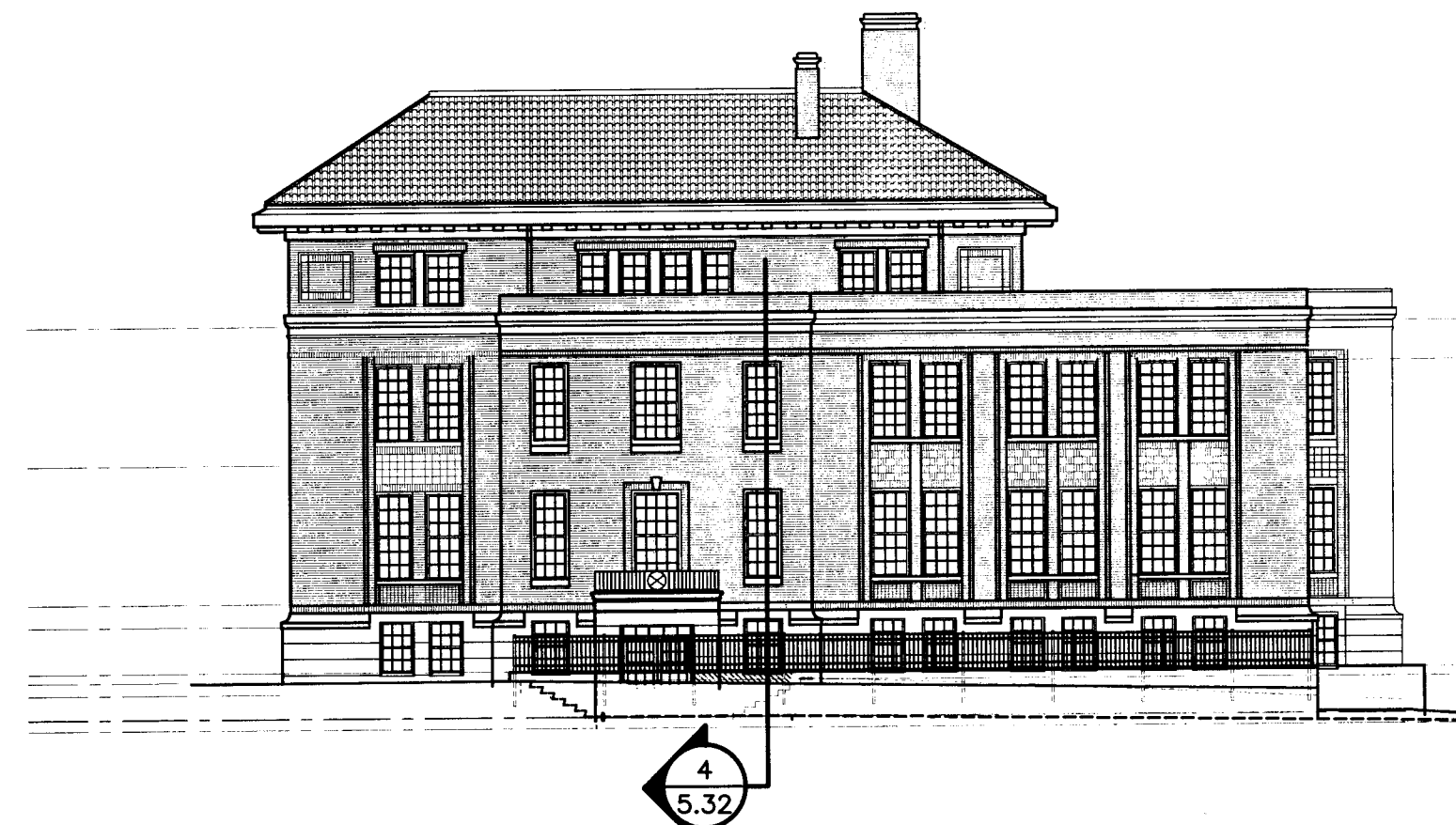
WALL SECTIONS

Sheet 5.30

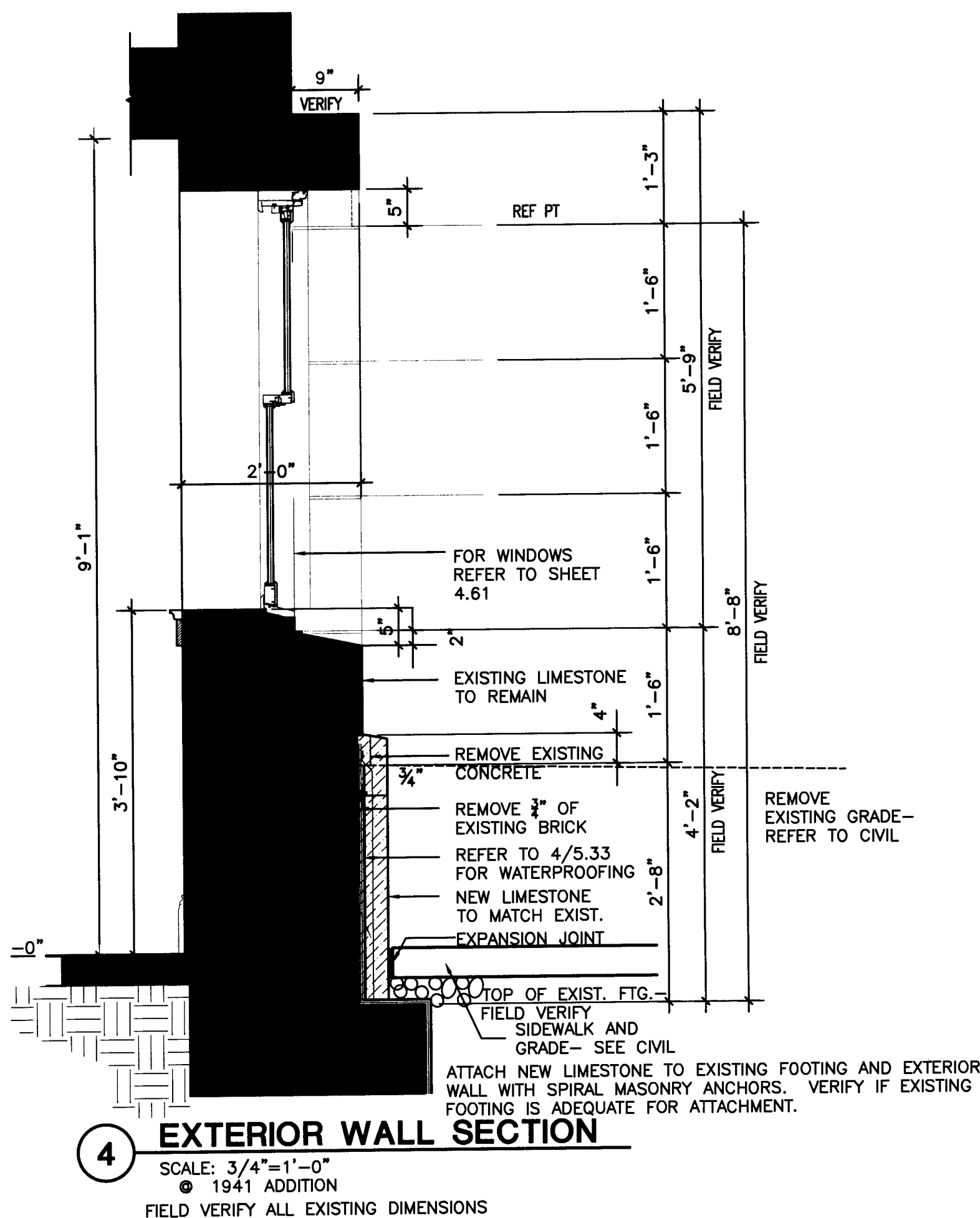




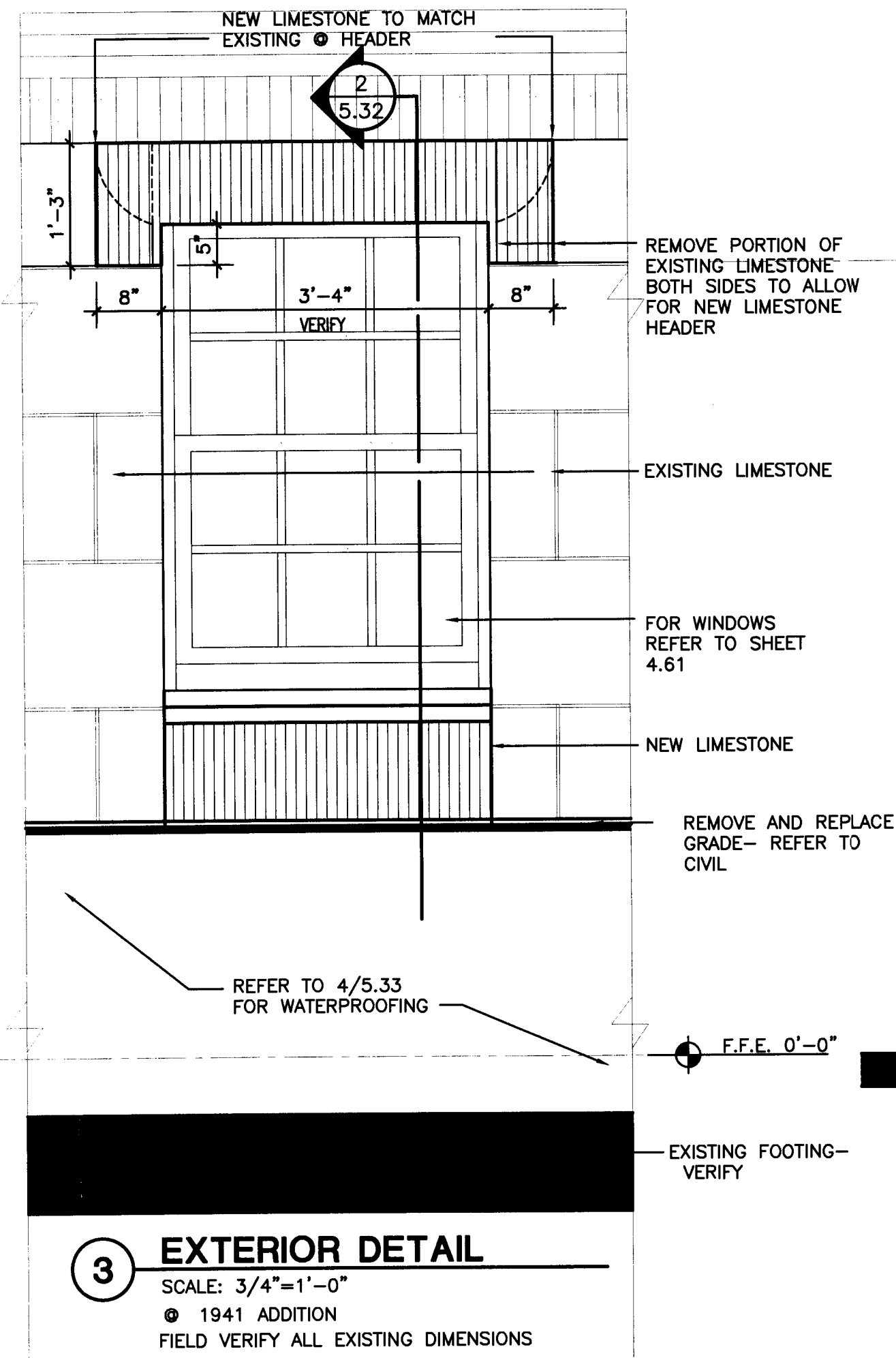
6 SOUTH ELEVATION- COURTYARD
1/16"=1'-0"



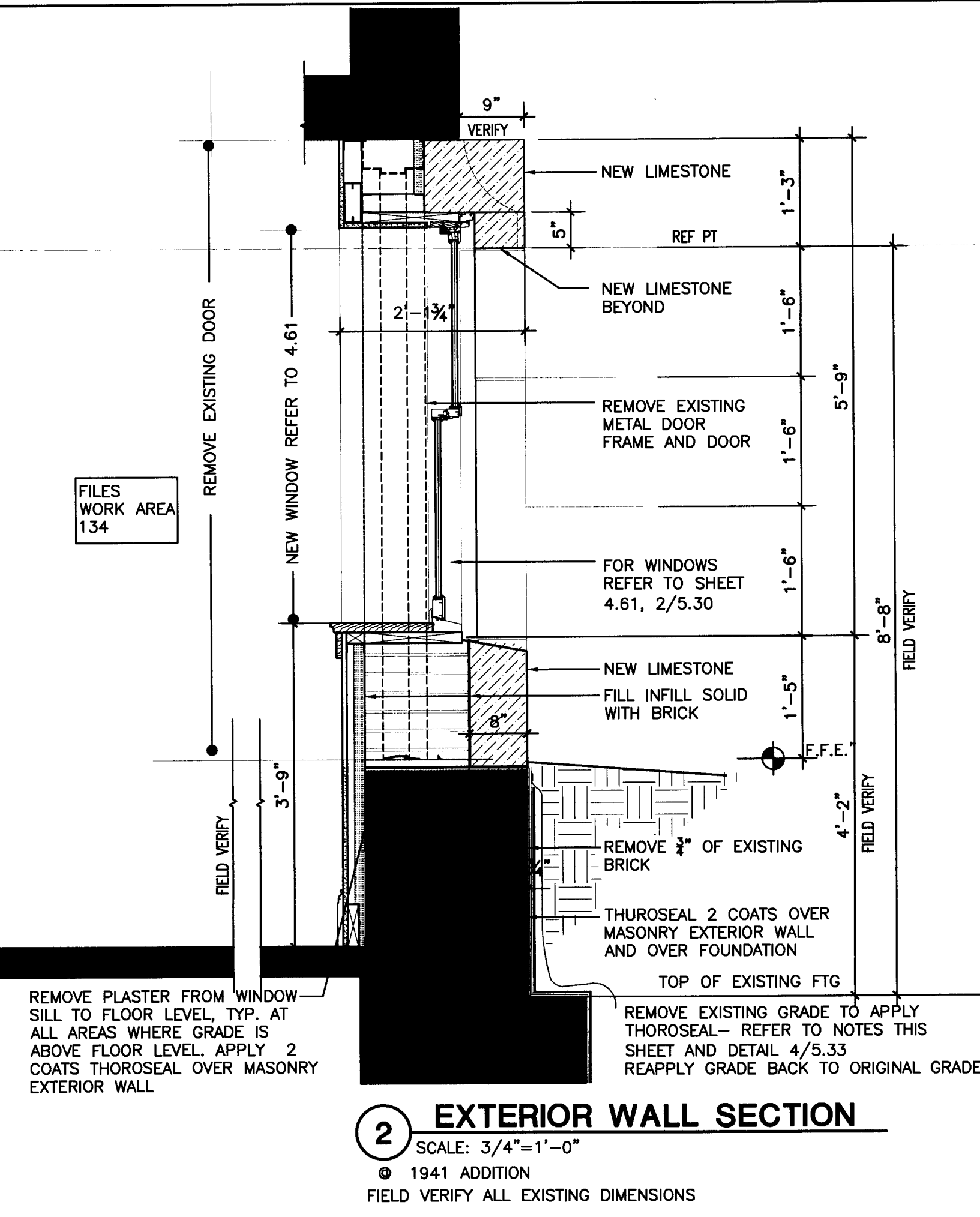
5 WEST ELEVATION
1/16"=1'-0"



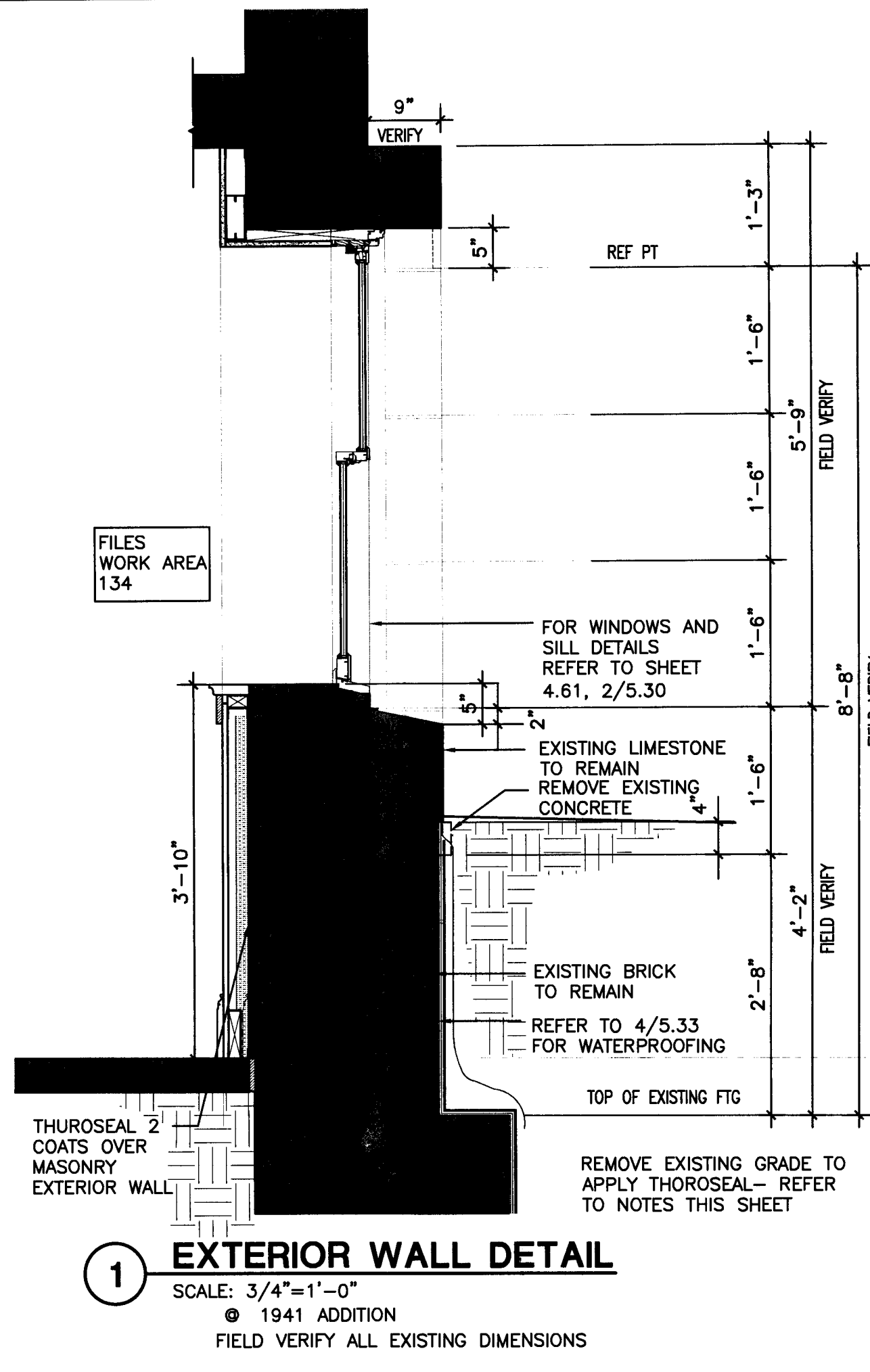
4 EXTERIOR WALL SECTION
SCALE: 3/4"=1'-0"
● 1941 ADDITION
FIELD VERIFY ALL EXISTING DIMENSIONS



3 EXTERIOR DETAIL
SCALE: 3/4"=1'-0"
● 1941 ADDITION
FIELD VERIFY ALL EXISTING DIMENSIONS

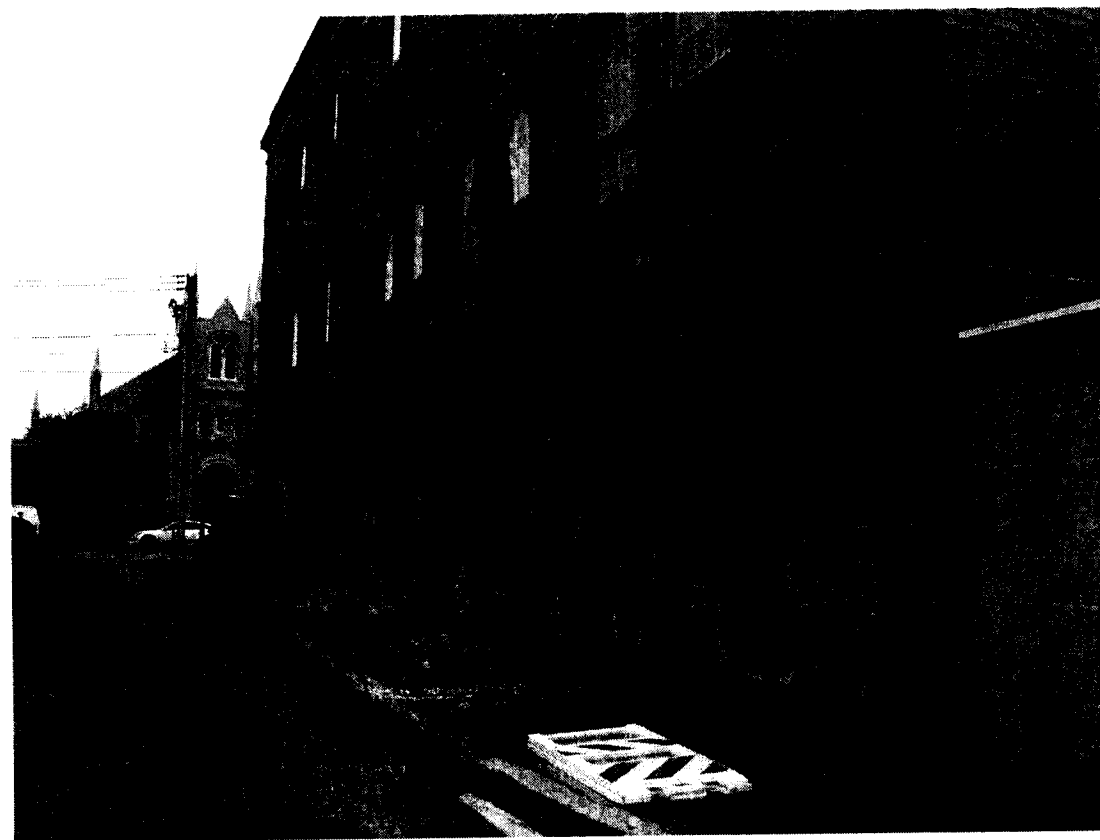


2 EXTERIOR WALL SECTION
SCALE: 3/4"=1'-0"
● 1941 ADDITION
FIELD VERIFY ALL EXISTING DIMENSIONS
REFER TO 3/5.32 FOR ELEVATION

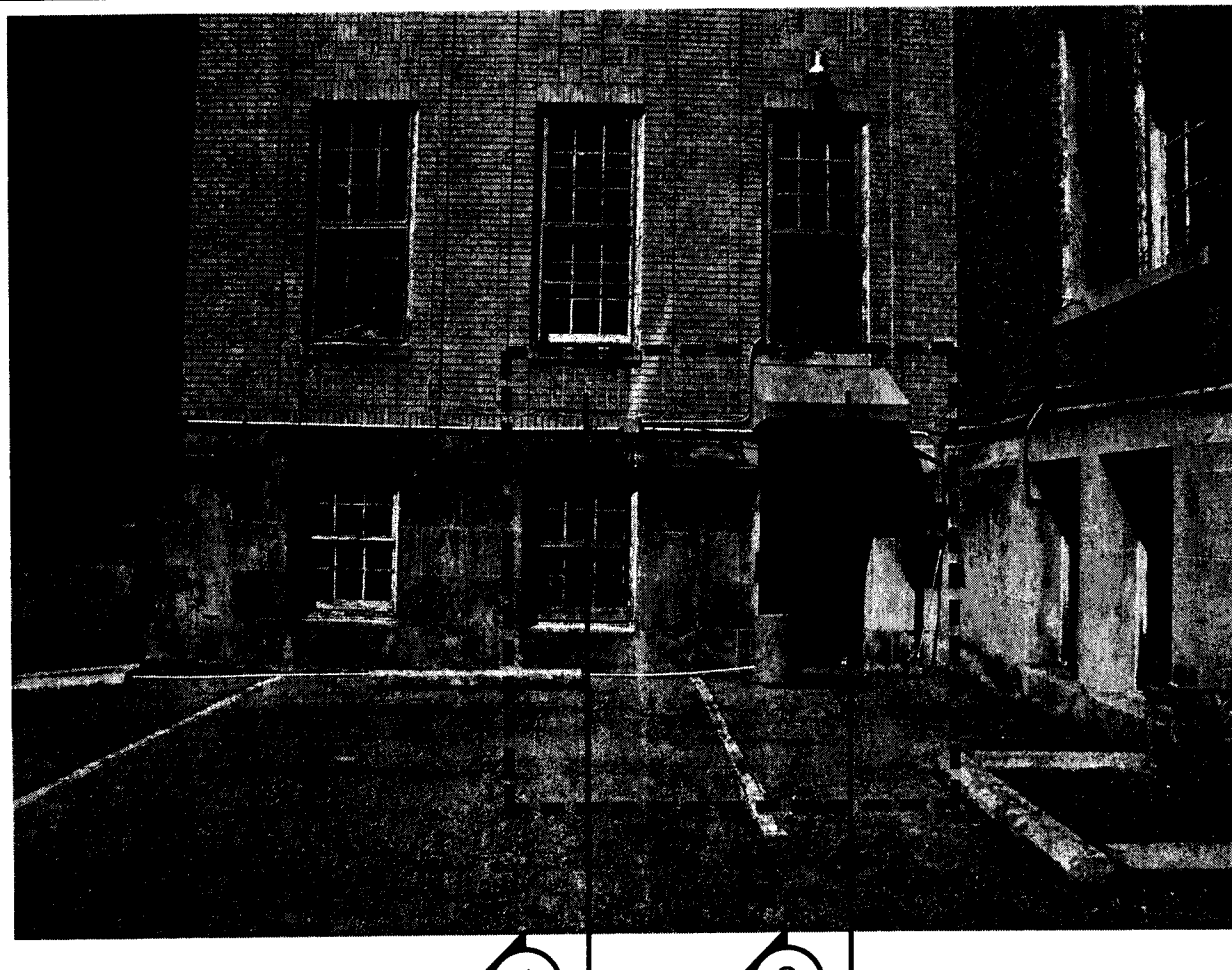


1 EXTERIOR WALL DETAIL
SCALE: 3/4"=1'-0"
● 1941 ADDITION
FIELD VERIFY ALL EXISTING DIMENSIONS

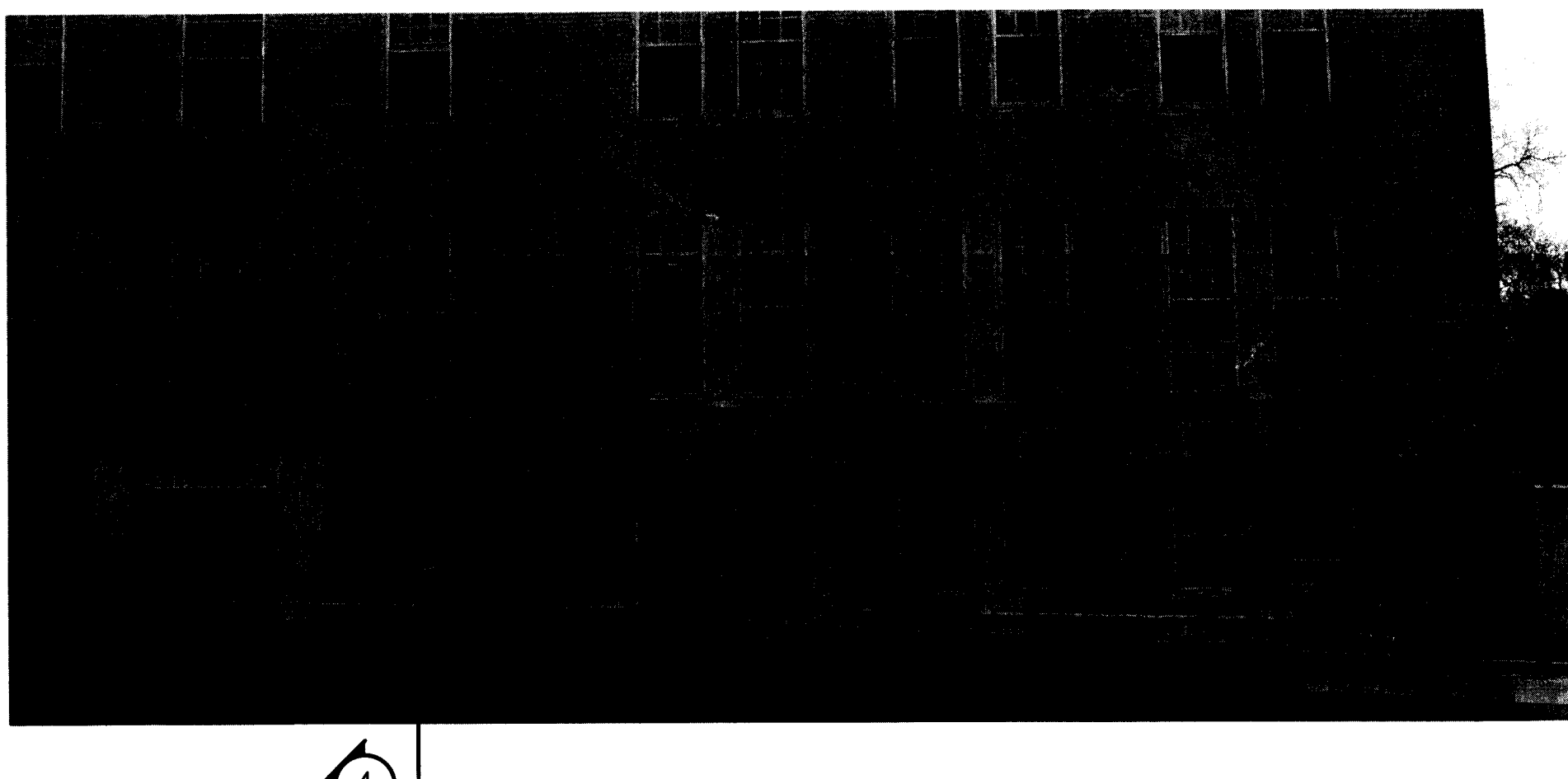
P1 FIRST FLOOR EXISTING DOOR
NTS



P2 FIRST FLOOR DOOR, WINDOW
NTS



P3 FIRST FLOOR DOOR, WINDOW
NTS



NOTES

DEMOLITION SEQUENCE OF WORK FOR EXTERIOR SIDE OF WALL

DOCUMENT EXISTING FOOTINGS.

1. REMOVE 3" OF BRICK, AND CONCRETE TO UNDERSIDE OF EXISTING LIMESTONE PANEL AS INDICATED IN DETAIL.

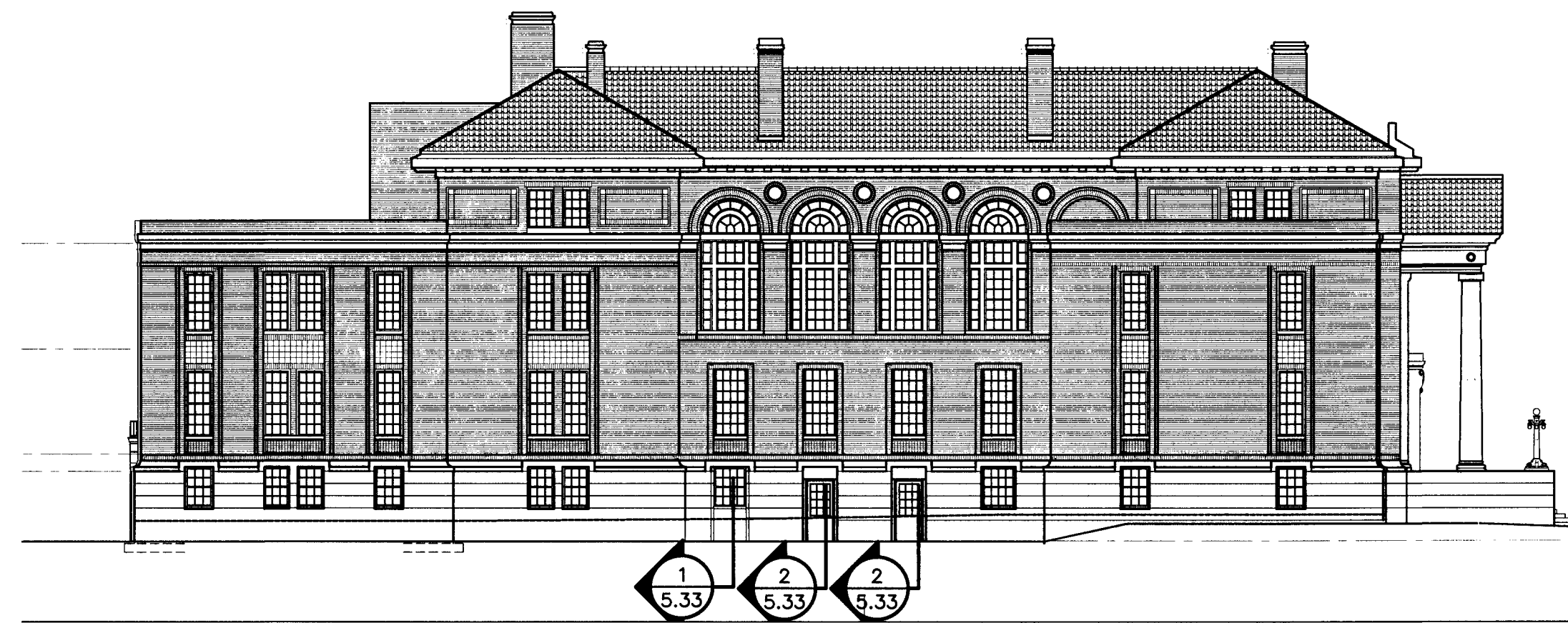
RESTORATION SEQUENCE OF WORK

1. CLEAN EXTERIOR WALL OF ALL SOIL, OLD WATERPROOFING OR OTHER SURFACE MATERIAL.
2. DRY THE EXTERIOR WALL AND USE THUROPLUG TO SEAL AND PATCH ALL HOLES, VOIDS AND JOINTS IN WALL TO PREPARE FOR WATERPROOFING.
3. INSTALL 2 COATS OF THUROSEAL AND THOROPLUG @ WALL AT FOOTING
4. ATTACH 4" NEW LIMESTONE PANELS TO EXTERIOR WALL AS INDICATED ON THE DETAIL. ATTACH TO EITHER THE EXISTING FOOTING WITH SPIRAL MASONRY ANCHORS OR TO NEW POURED FOOTING.

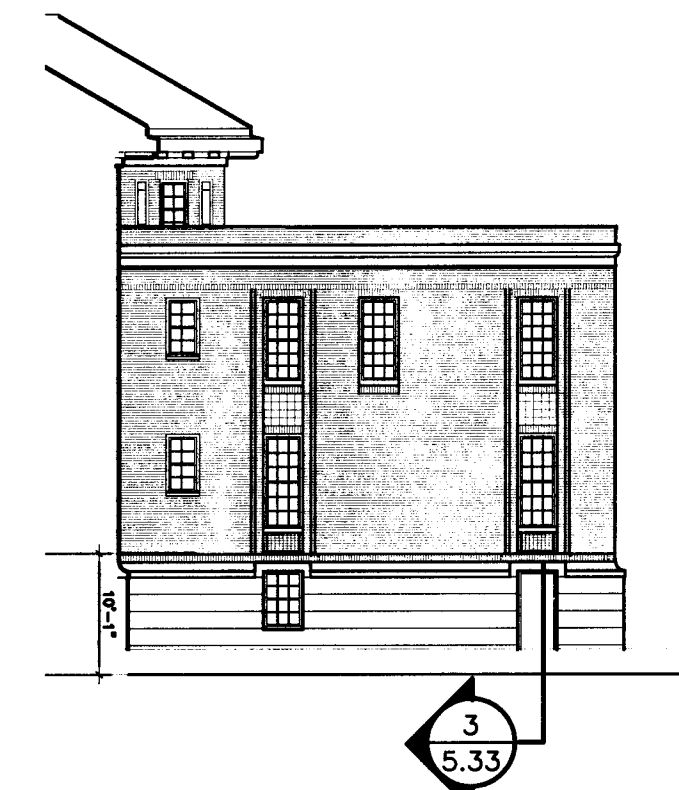
IMPORTANT NOTE:

AS THE CONTRACTOR EXCAVATES AROUND THE PERIMETER OF THE BUILDING, NOTIFY THE ARCHITECT AND THE PROJECT MANAGER.

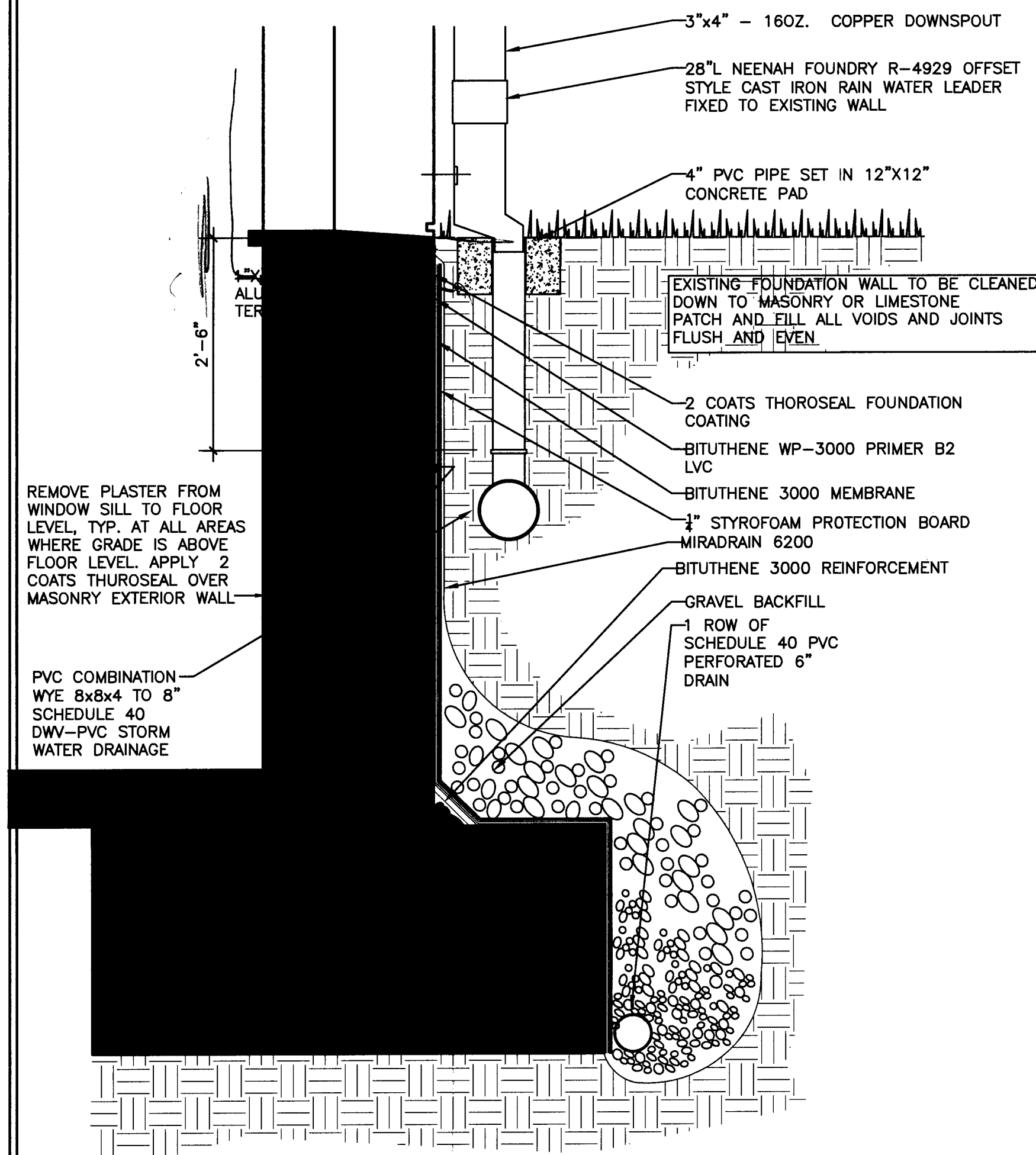
OWNERS TO REVIEW THE EXISTING CONDITIONS AS THEY ARE UNCOVERED.



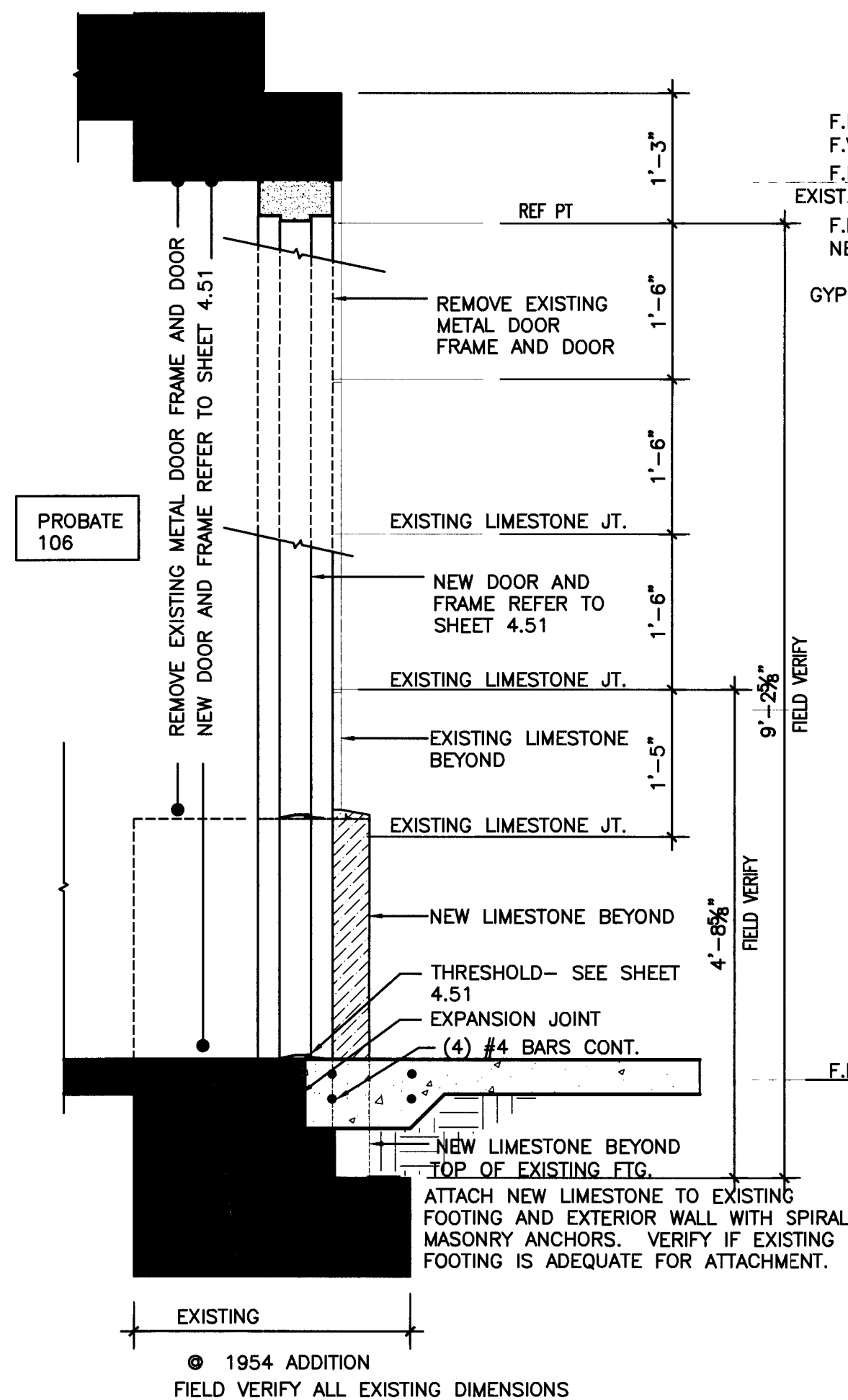
8 SOUTH ELEVATION- COURTYARD
1/16"=1'-0"



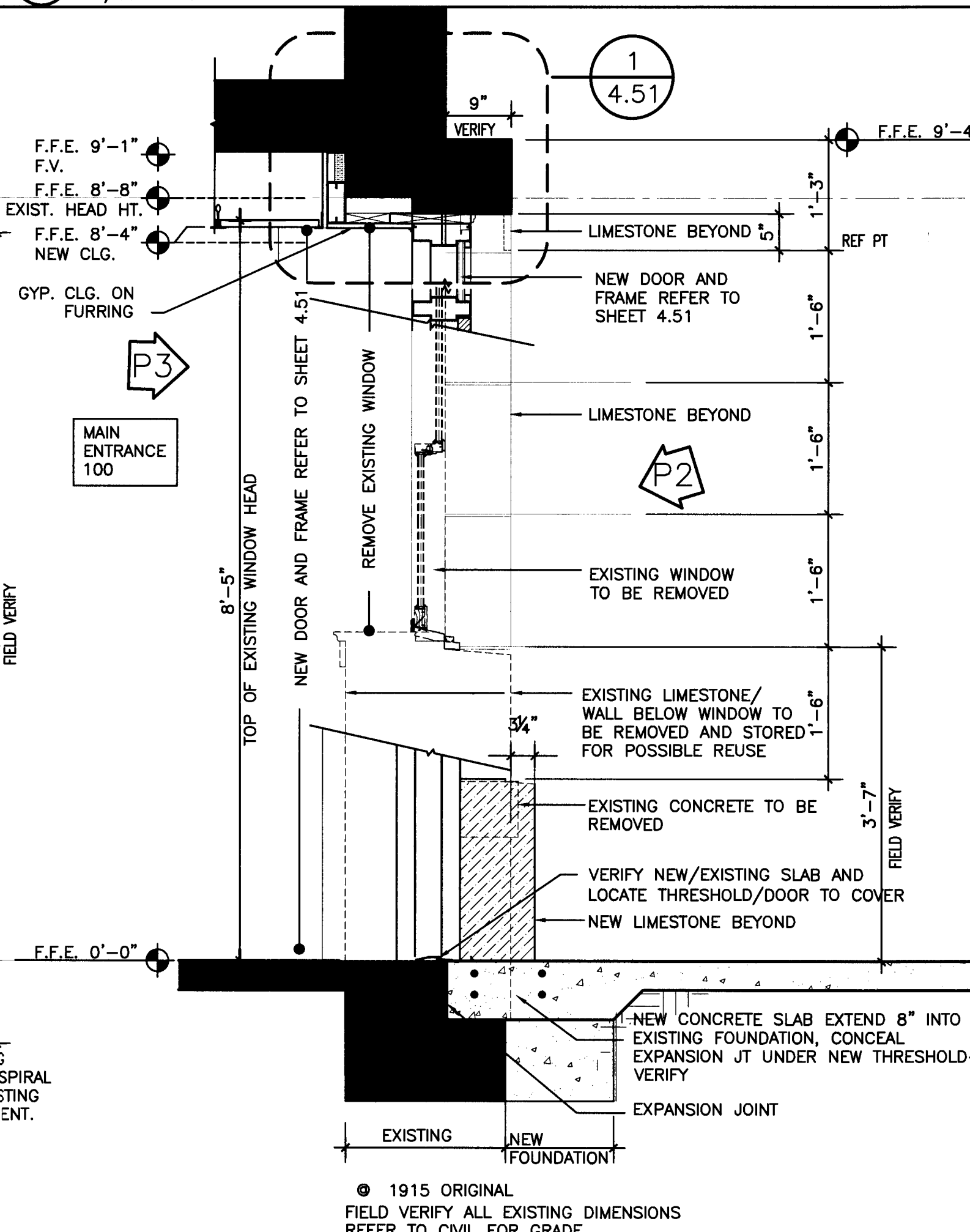
6 SOUTH ELEVATION- COURTYARD
1/16"=1'-0"



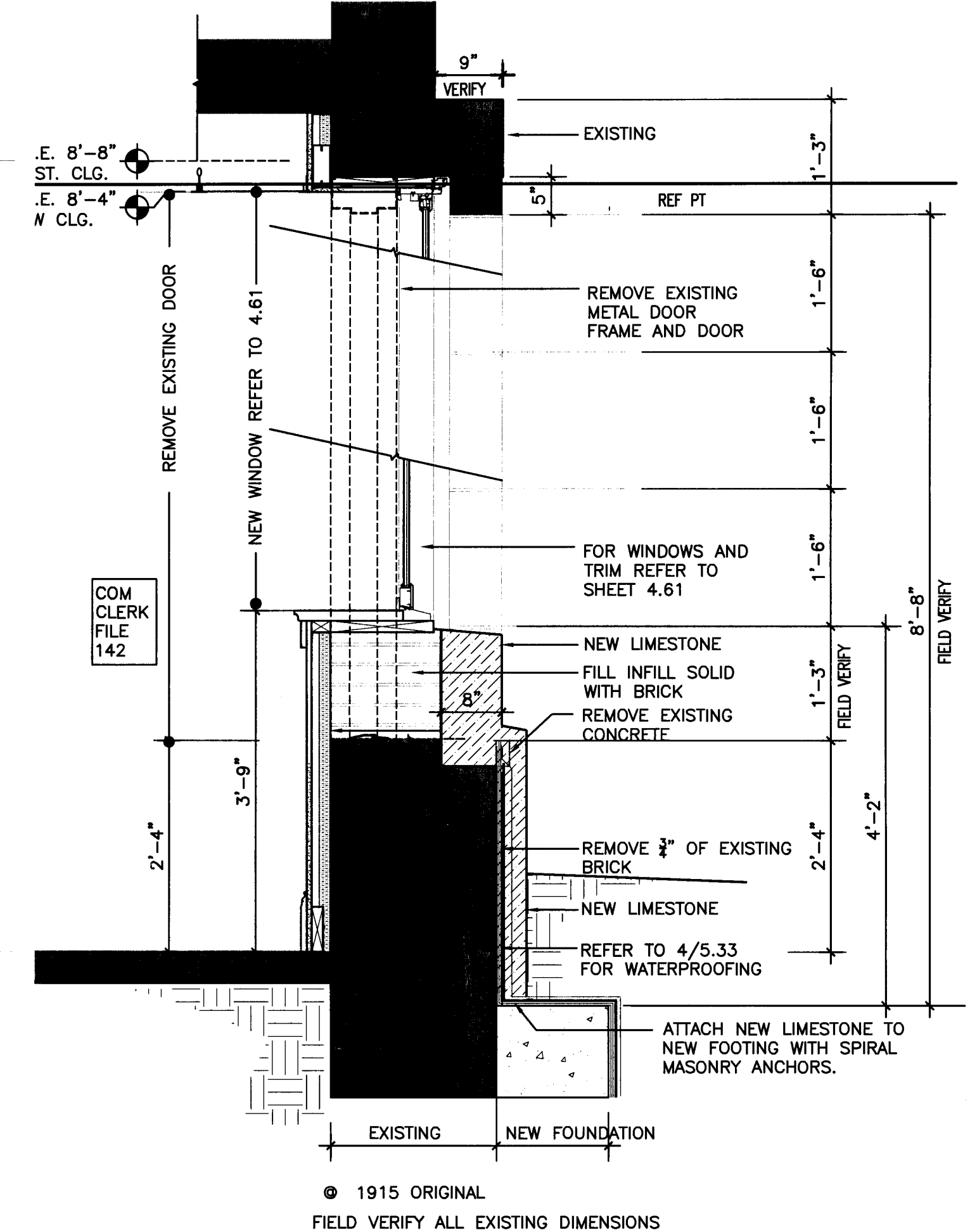
4 EXTERIOR DETAIL- TYPICAL
SCALE: NTS



3 EXTERIOR DETAIL
SCALE: 3/4"=1'-0"



2 EXTERIOR WALL SECTION
SCALE: 3/4"=1'-0"



1 EXTERIOR WALL DETAIL
SCALE: 3/4"=1'-0"

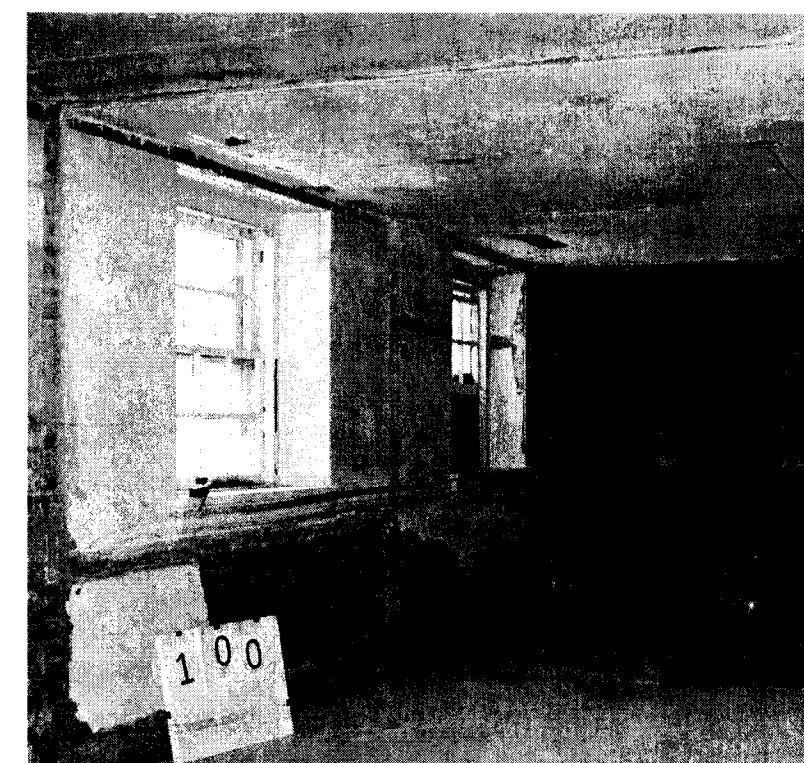
P1 FIRST FLOOR EXISTING DOOR
NTS



P2 FIRST FLOOR DOOR, WINDOW
NTS



P3 FIRST FLOOR DOOR, WINDOW
NTS



NOTES

DEMOLITION SEQUENCE OF WORK FOR EXTERIOR SIDE OF WALL

DOCUMENT EXISTING FOOTINGS.

1. REMOVE 3" OF BRICK, AND CONCRETE TO UNDERSIDE OF EXISTING LIMESTONE PANEL AS INDICATED IN DETAIL.

RESTORATION SEQUENCE OF WORK- SEE SHEET 5.32

1. CLEAN EXTERIOR WALL- SEE SHEET 5.32

2. DRY THE EXTERIOR WALL- SEE SHEET 5.32

3. INSTALL 2 COATS OF THUROSEAL AND THUROPLUG @ WALL AT FOOTING.

4. ATTACH 4" NEW LIMESTONE PANELS TO EXTERIOR WALL AS INDICATED ON THE DETAIL. ATTACH TO EITHER THE EXISTING FOOTING WITH SPIRAL MASONRY ANCHORS OR NEW POURED FOOTING.

Project No.
1390

Date
07.10.2015
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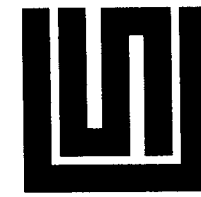
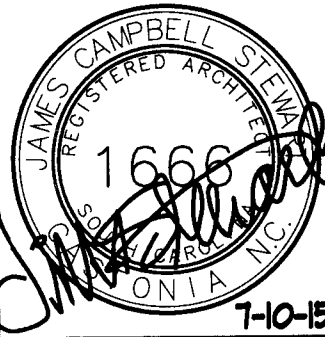
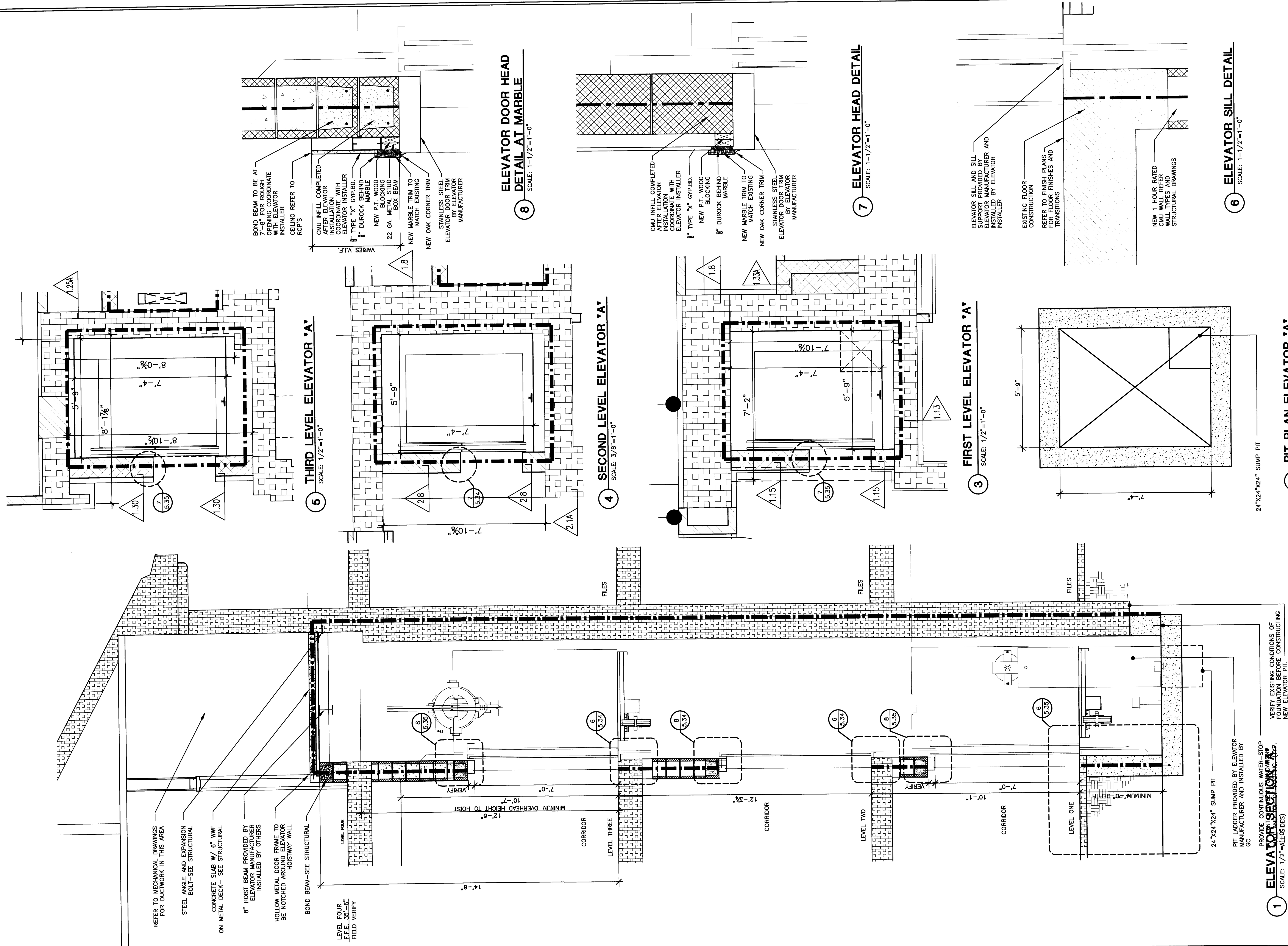
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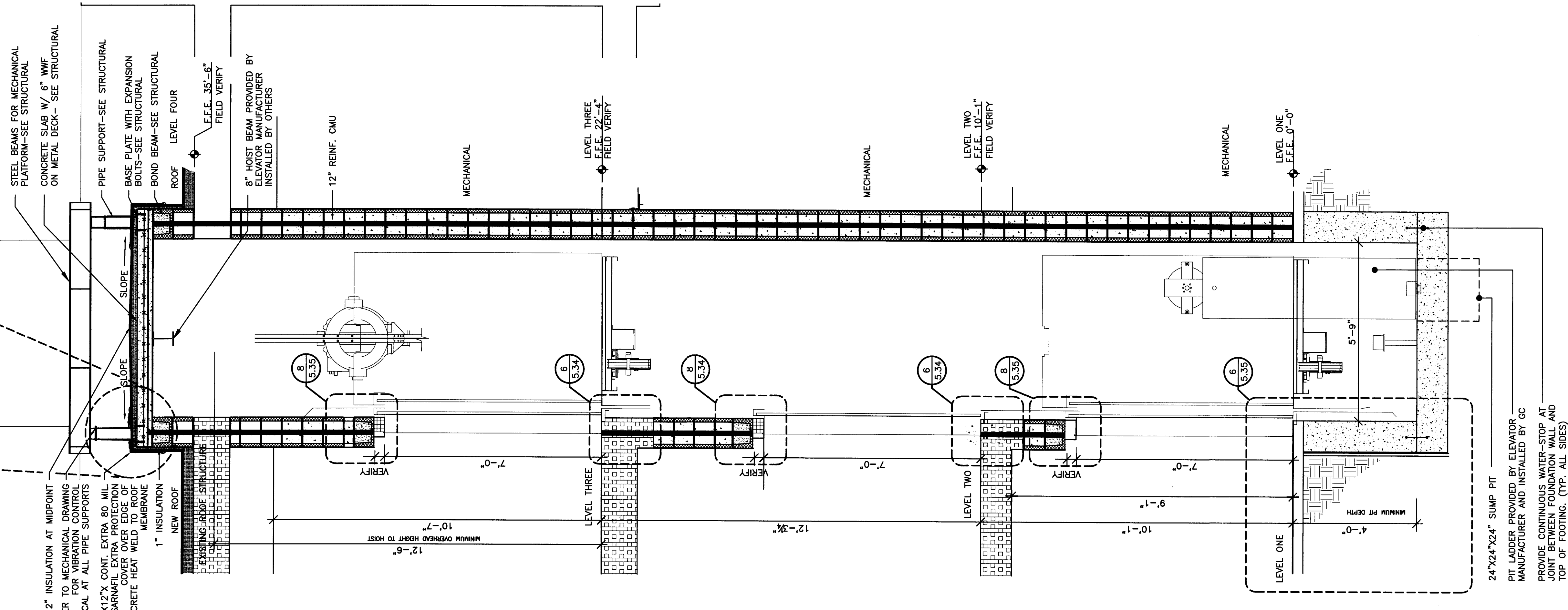
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet **5.33**

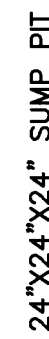
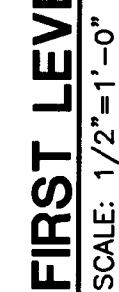




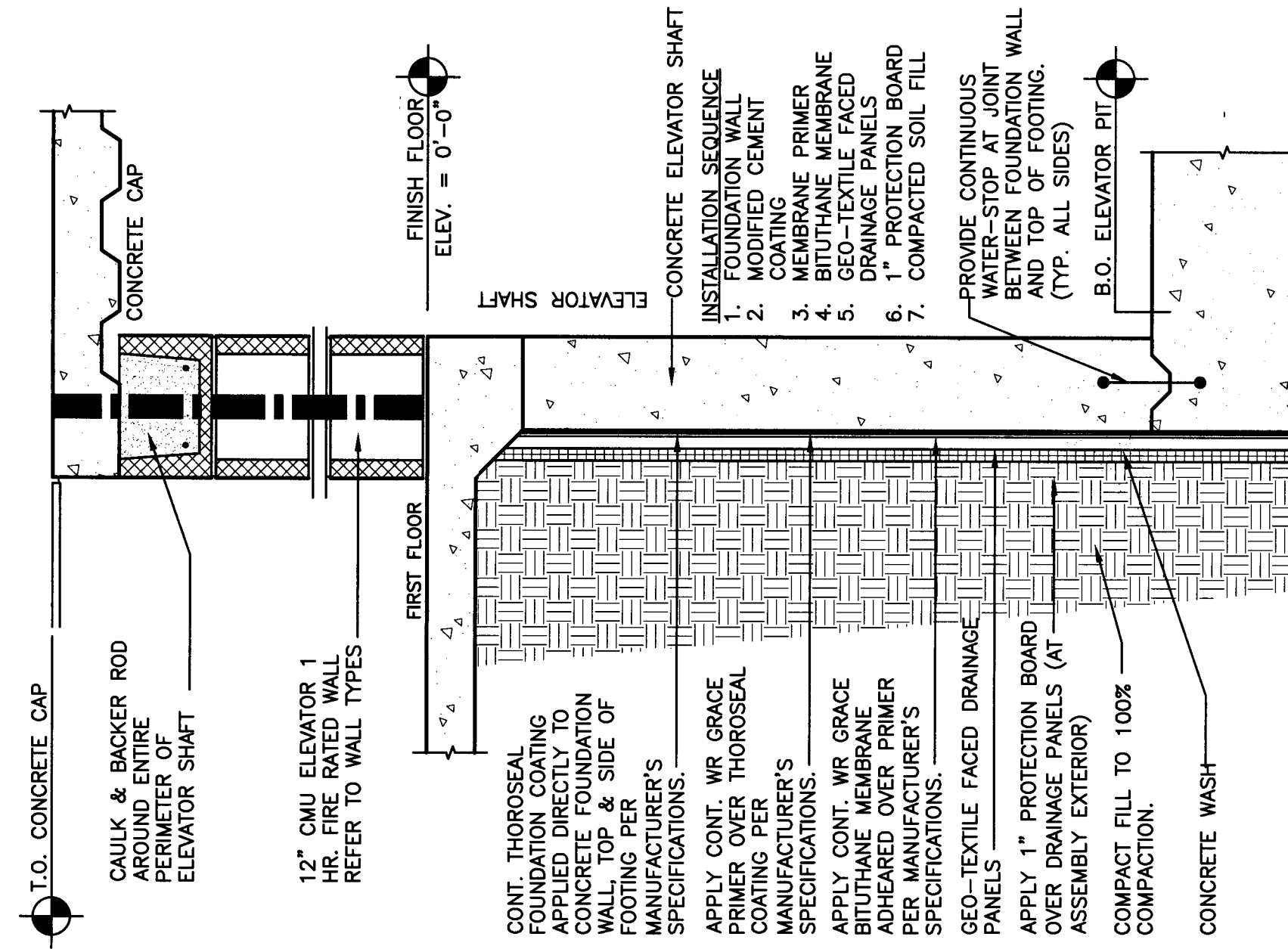
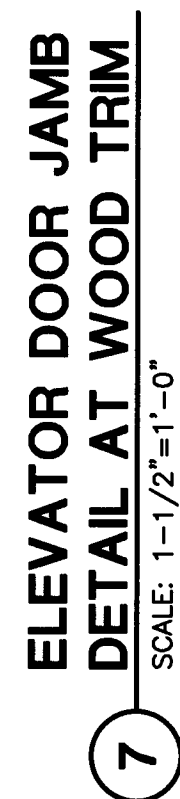
SCALE: 1/2"=1'-0"



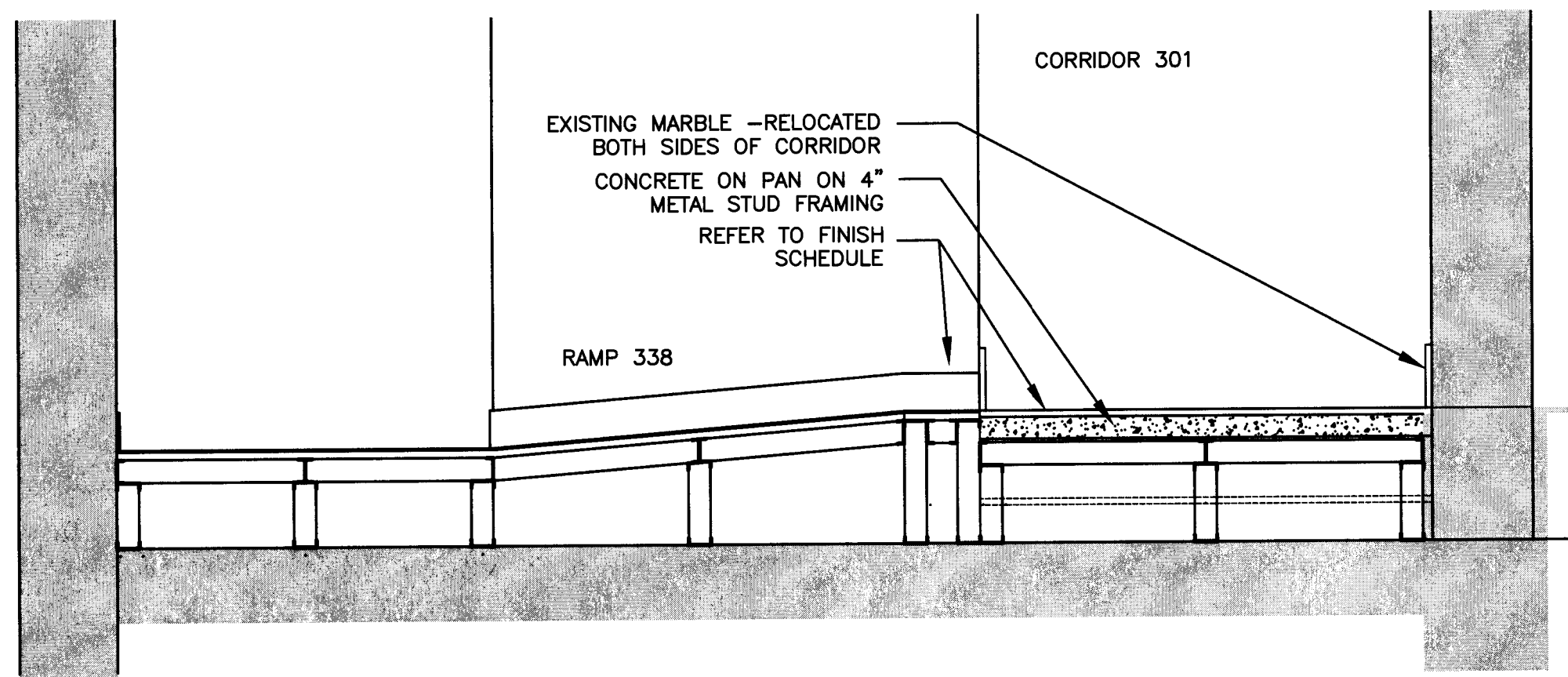
SECOND L
SCALE: 1/2"=1'-0"



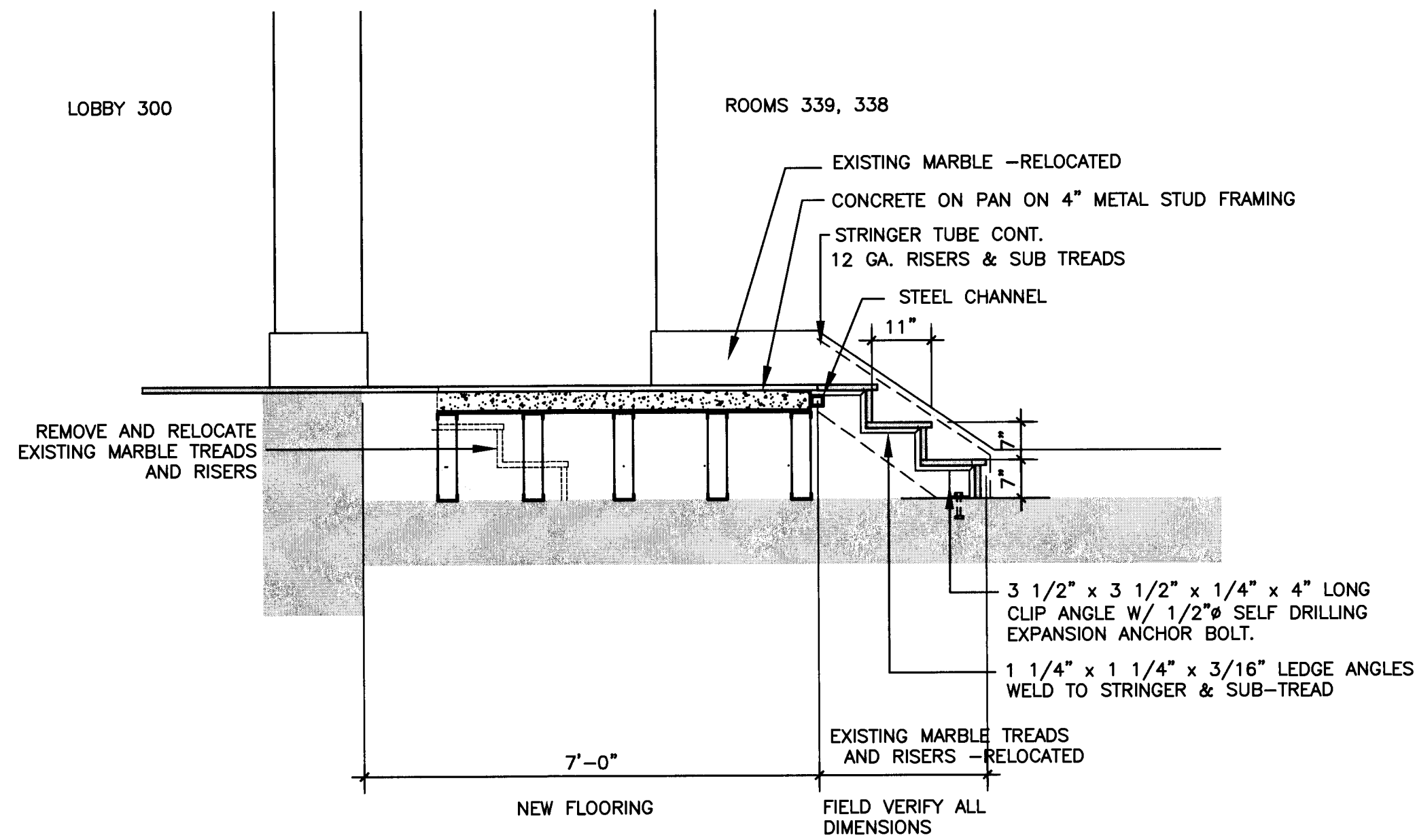
SCALE: 1/2"=1'-0"



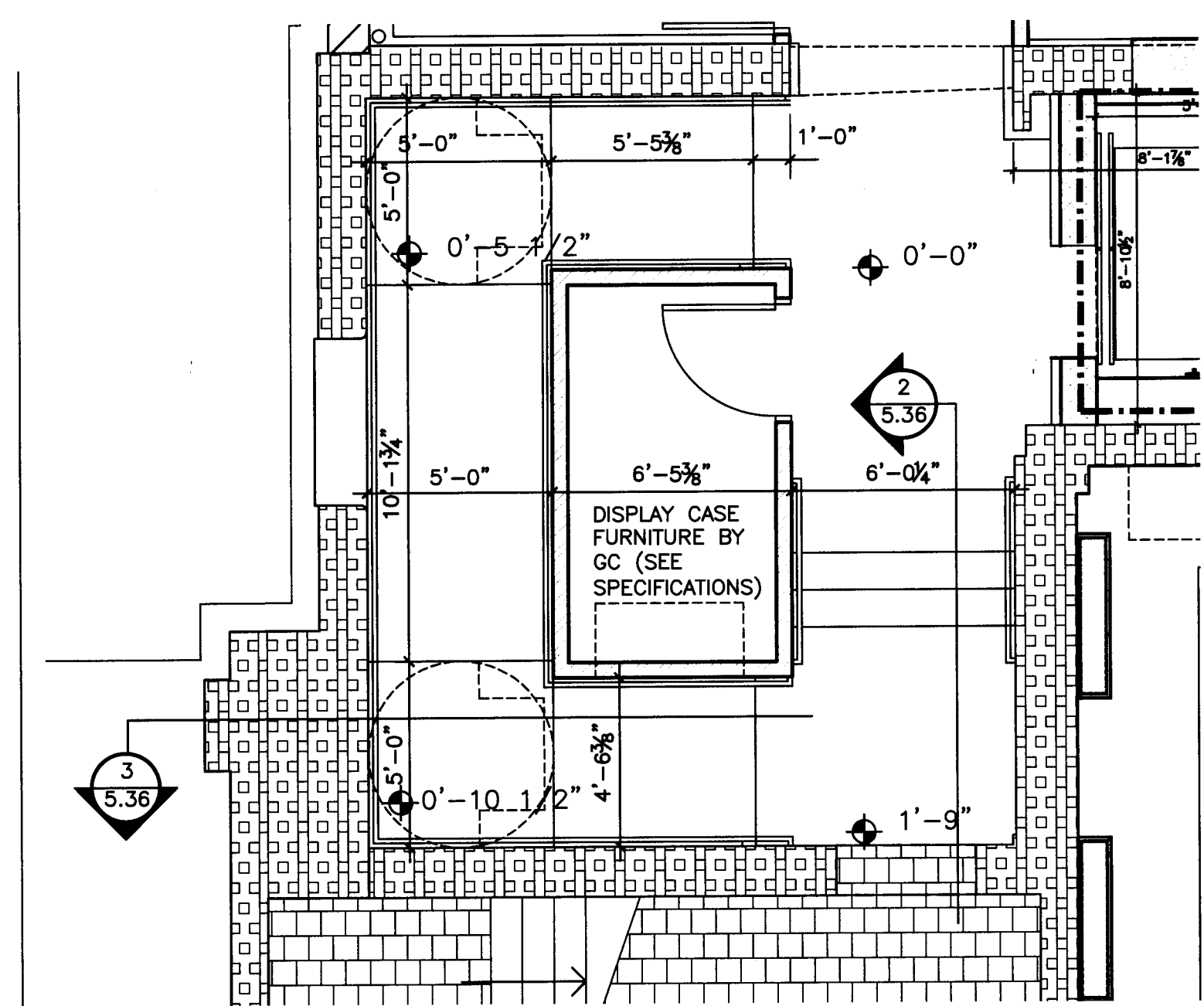
6 FOUNDATION DETAIL AT ELEVATOR SHAFT
SCALE: 1"=1'-0"



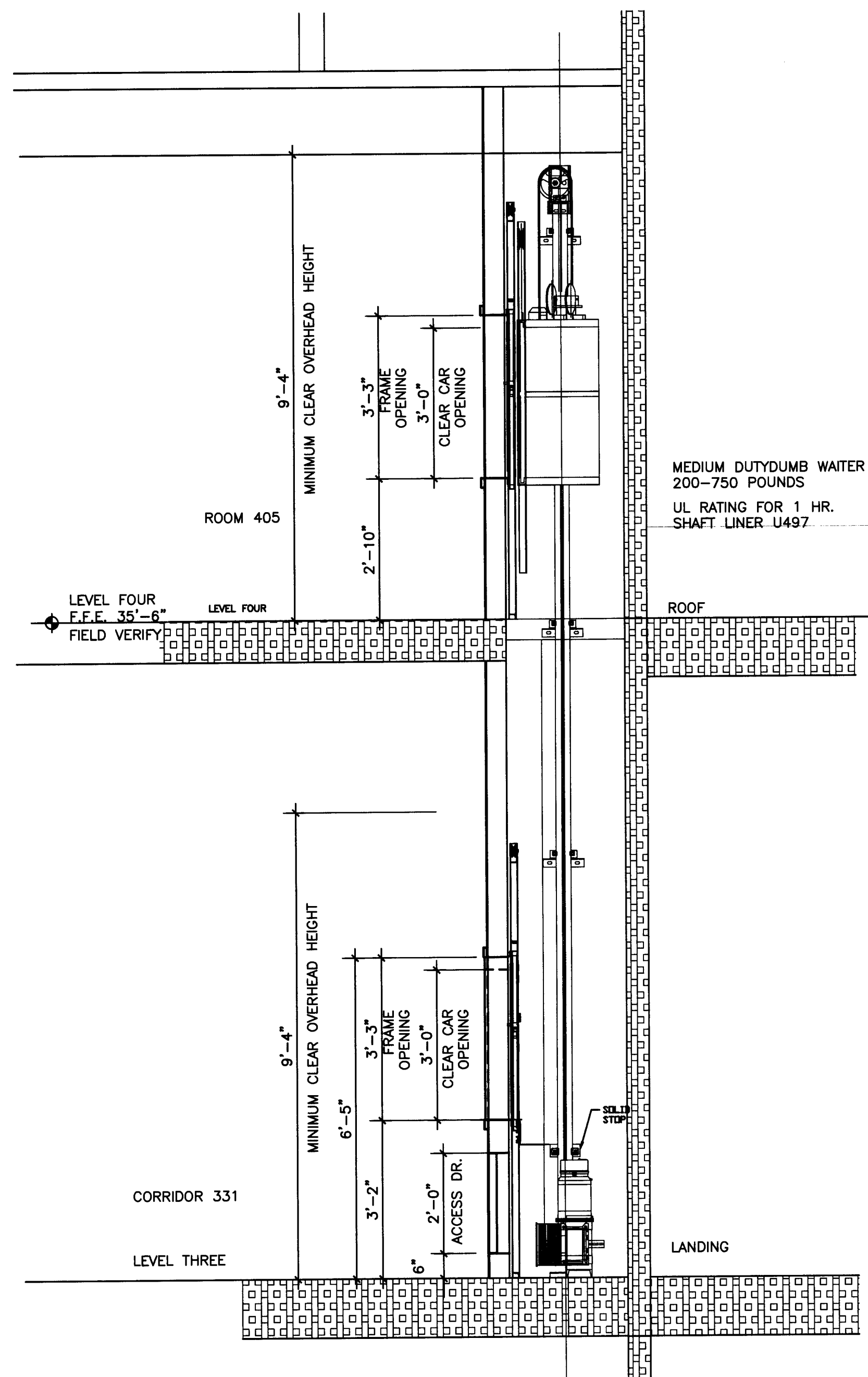
3 THIRD LEVEL RAMP
SCALE: 1/2"=1'-0"



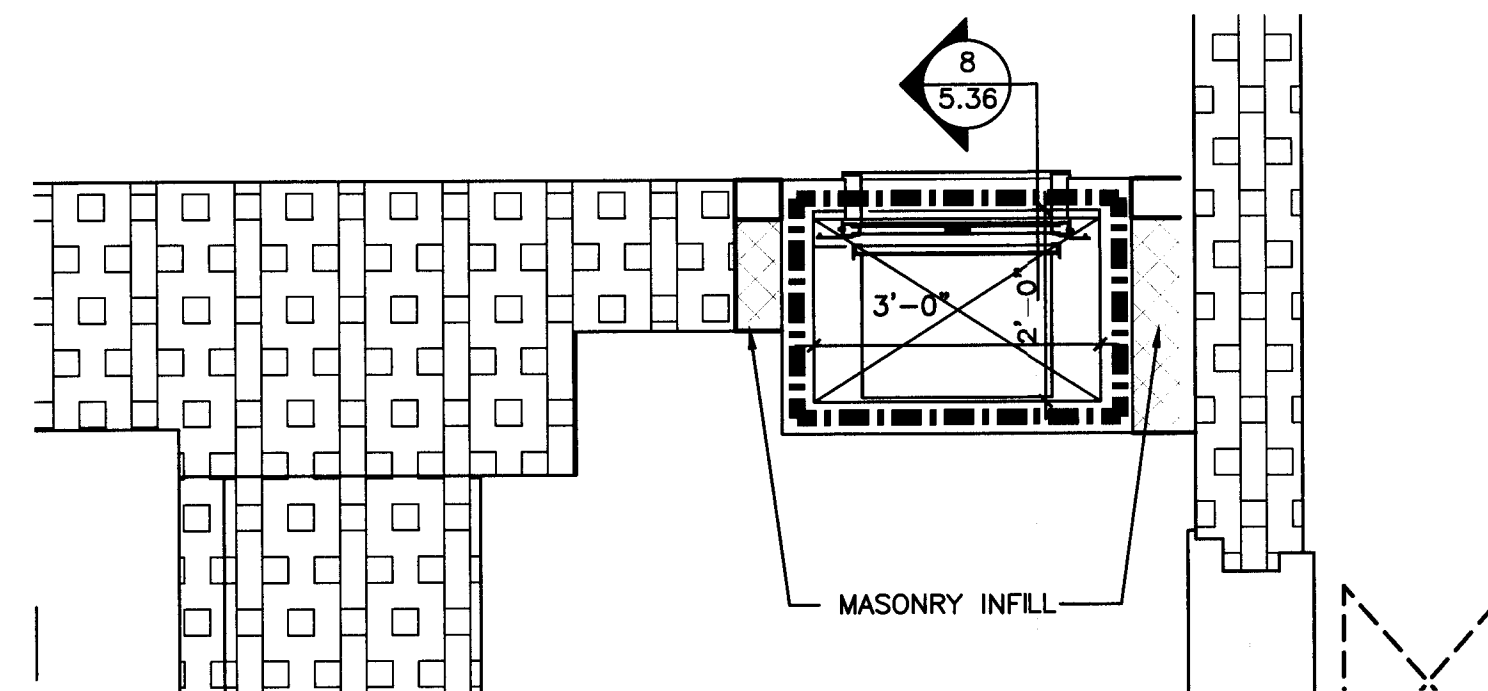
2 THIRD LEVEL STEPS
SCALE: 1/2"=1'-0"



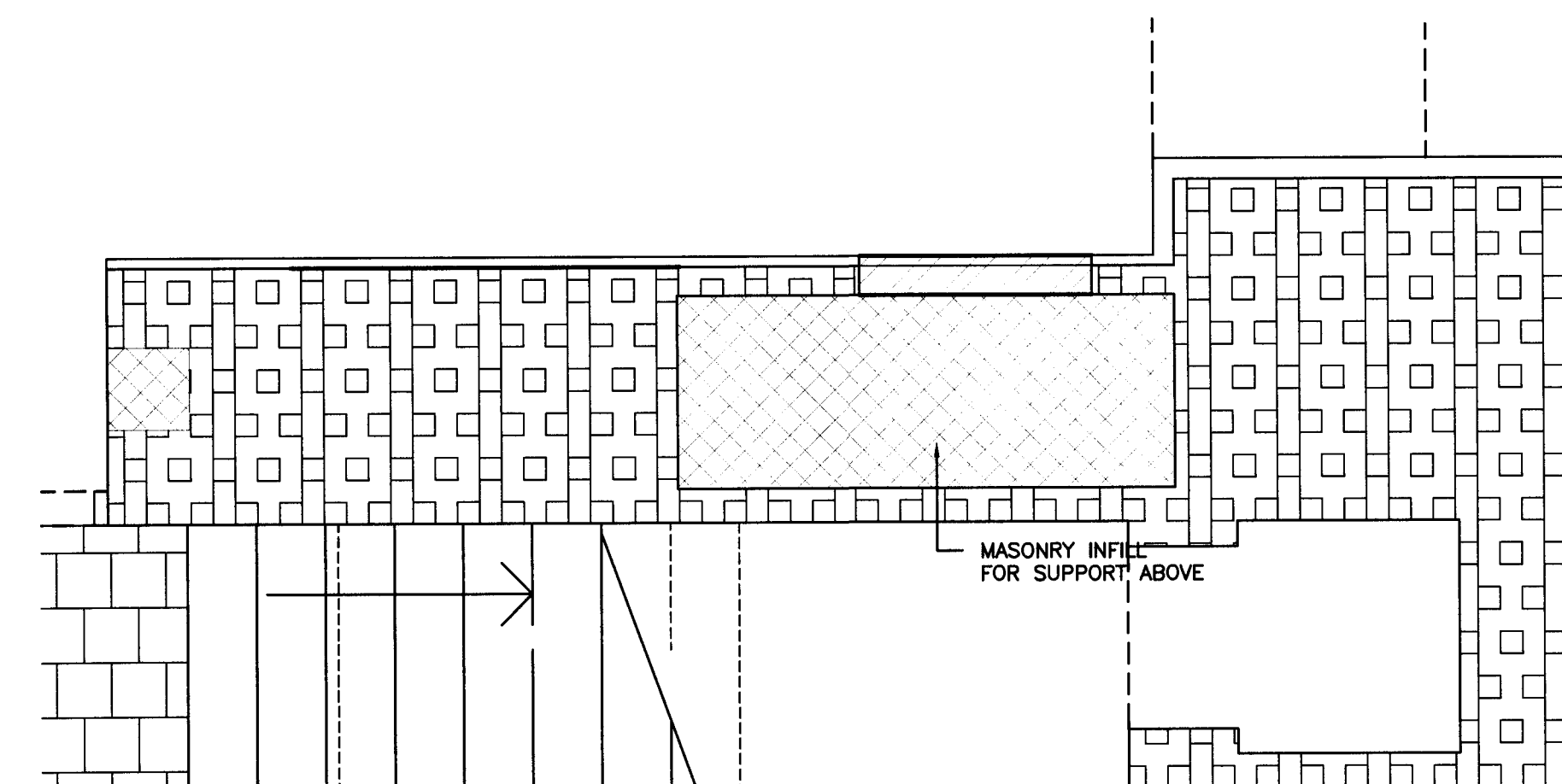
1 THIRD LEVEL RAMP AND STEPS
SCALE: 1/4"=1'-0"



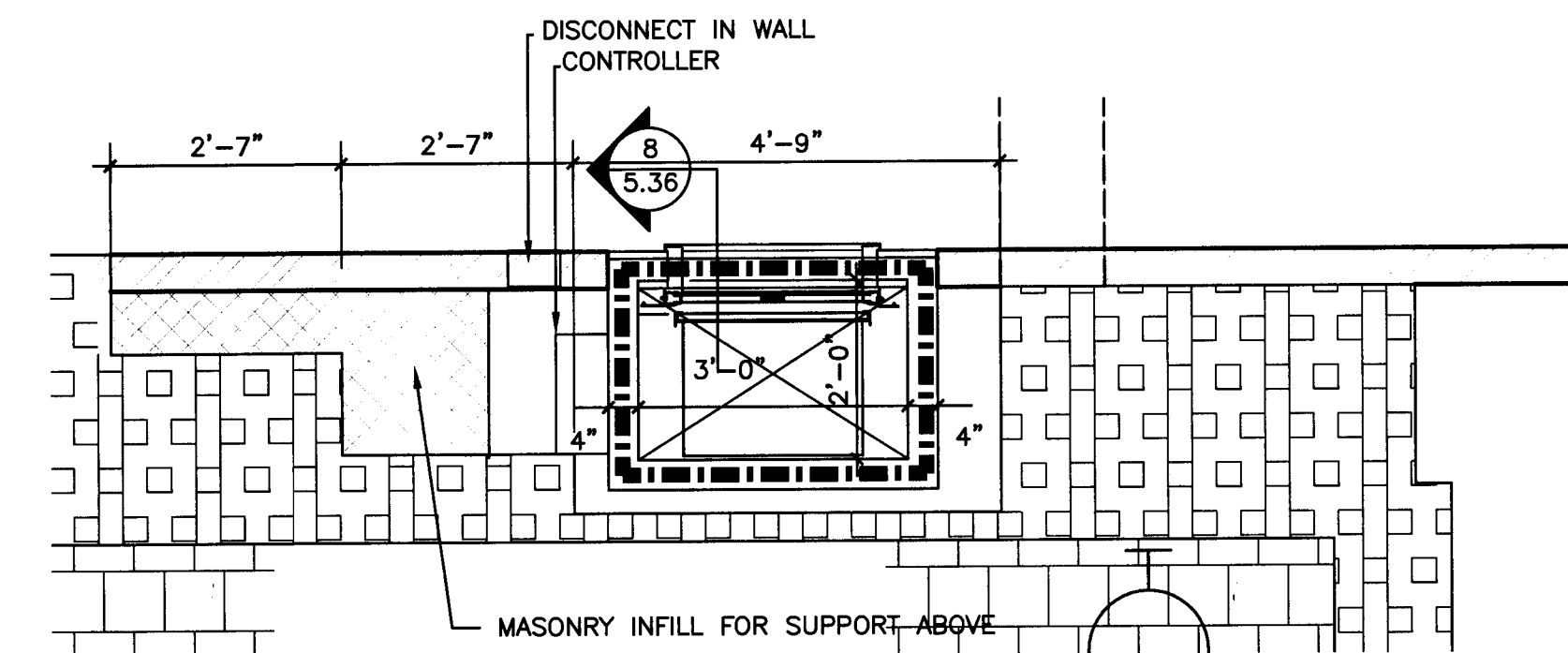
8 DUMB WAITER
SCALE: 1/2"=1'-0"



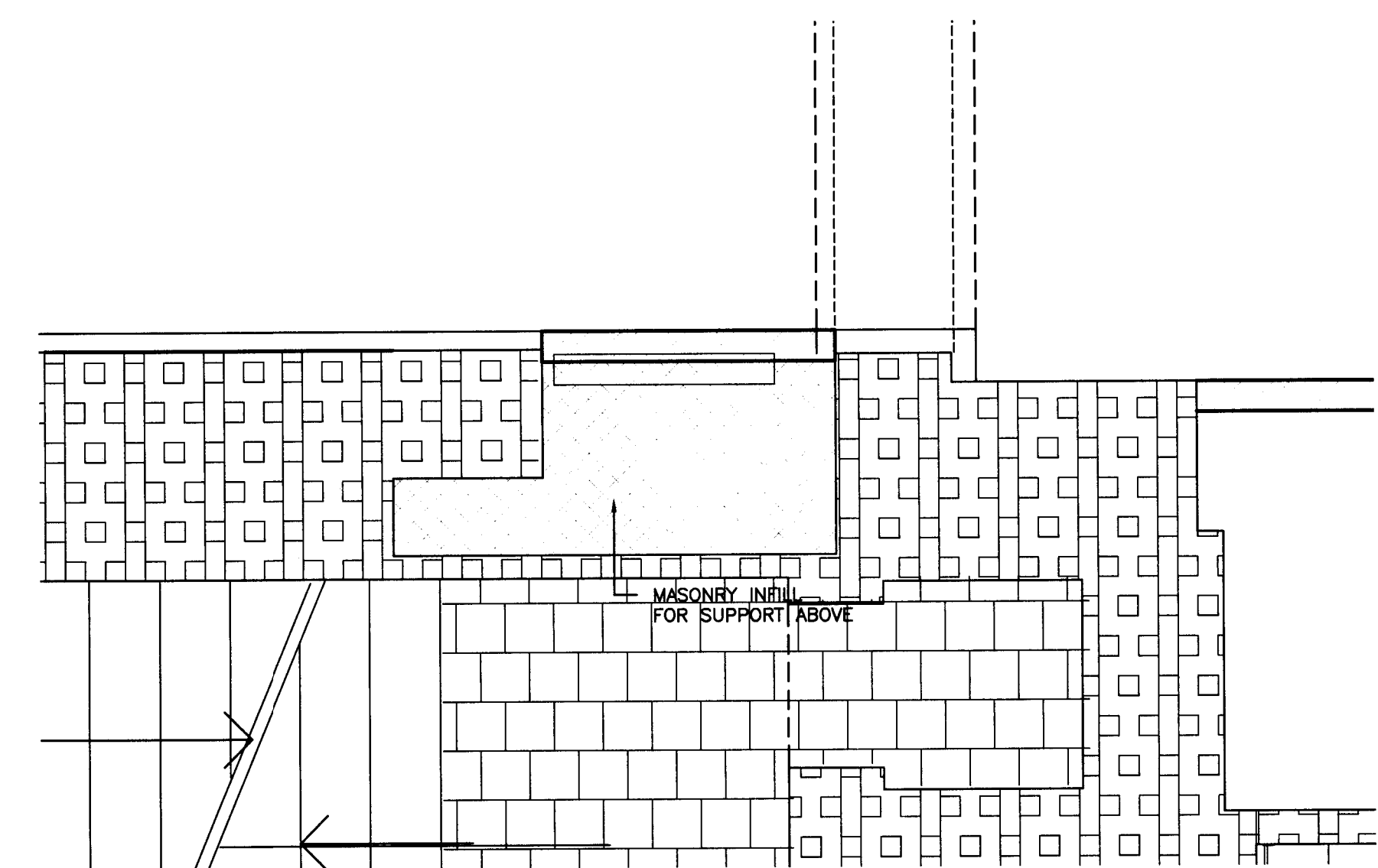
5 DUMB WAITER- FOURTH LEVEL
SCALE: 1/2"=1'-0"



7 DUMB WAITER- FIRST LEVEL
SCALE: 1/2"=1'-0"



4 DUMB WAITER- THIRD LEVEL
SCALE: 1/2"=1'-0"



6 DUMB WAITER- SECOND LEVEL
SCALE: 1/2"=1'-0"

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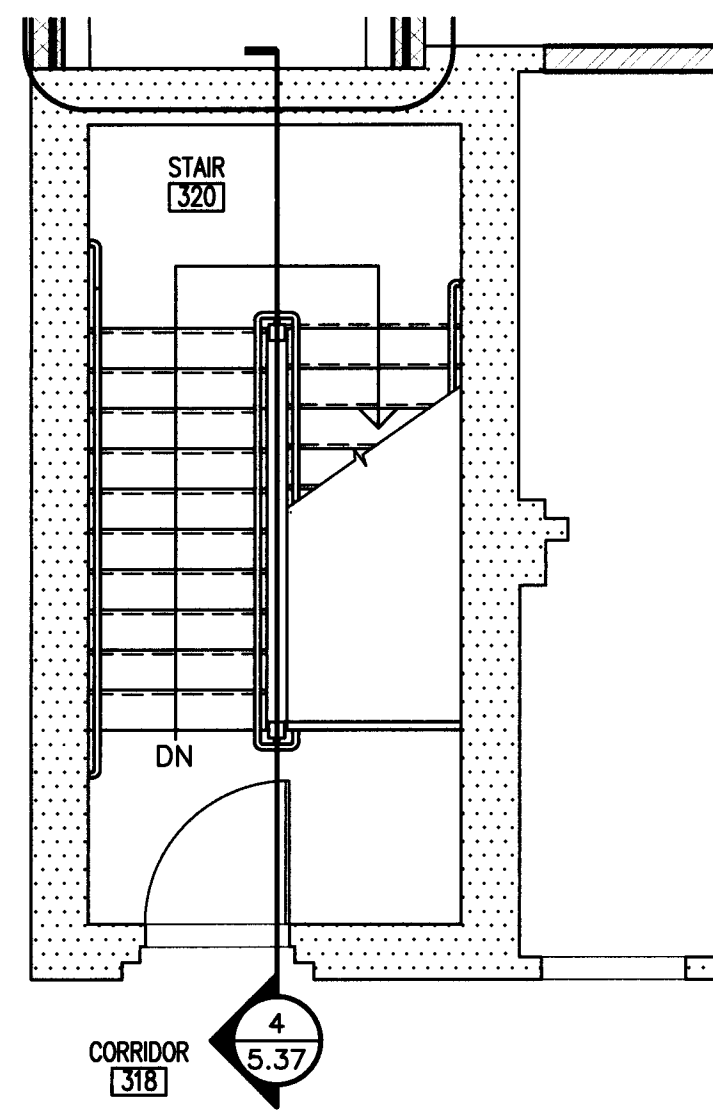
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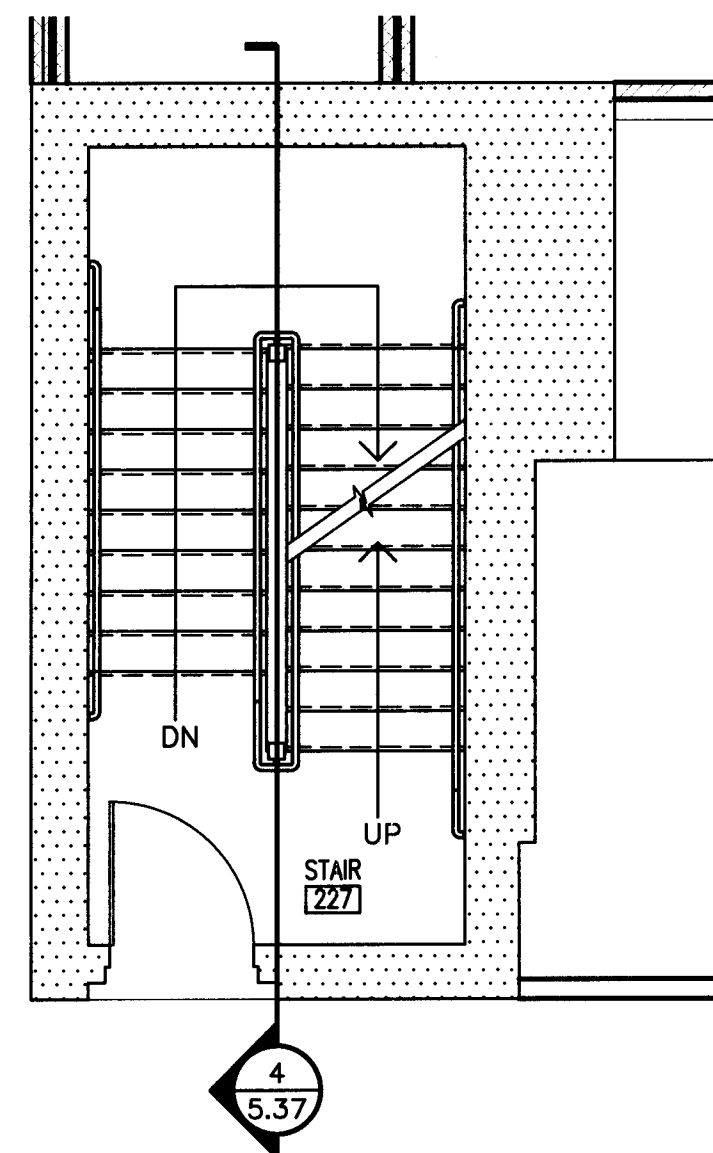
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

RAMP, STAIRS, DUMB WAITER

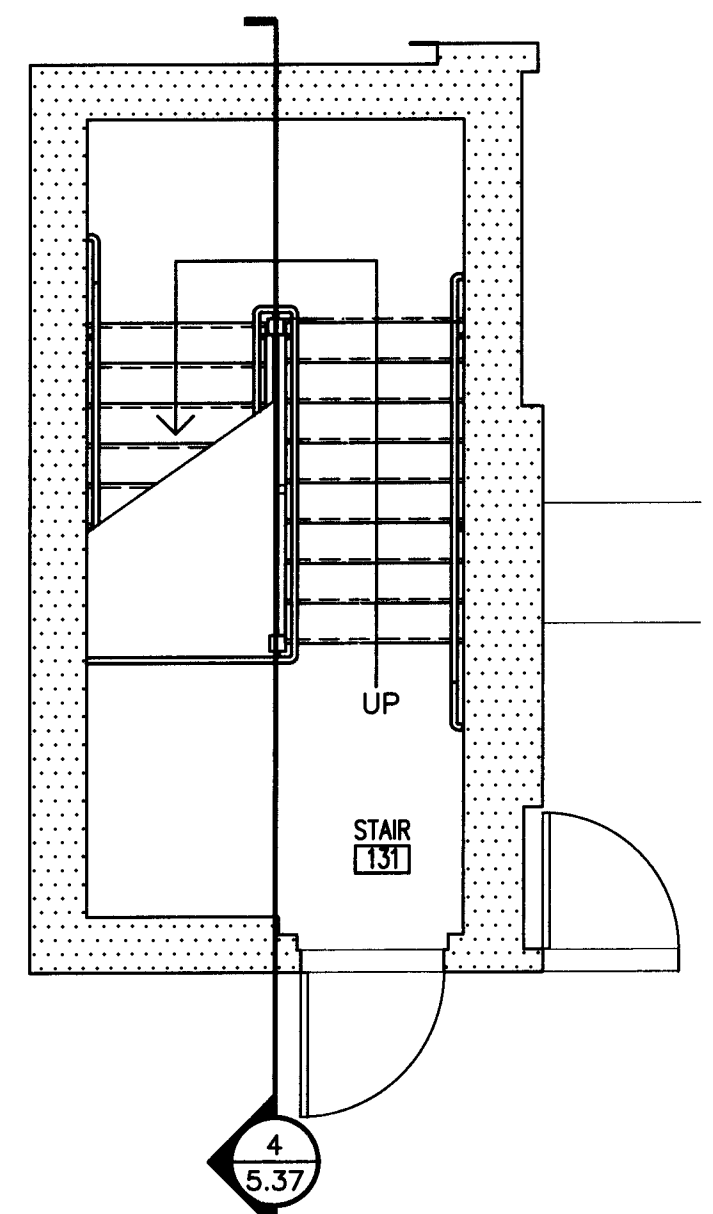
sheet **5.36**



3 STAIR 320 PLAN
SCALE: 1/4"=1'-0"

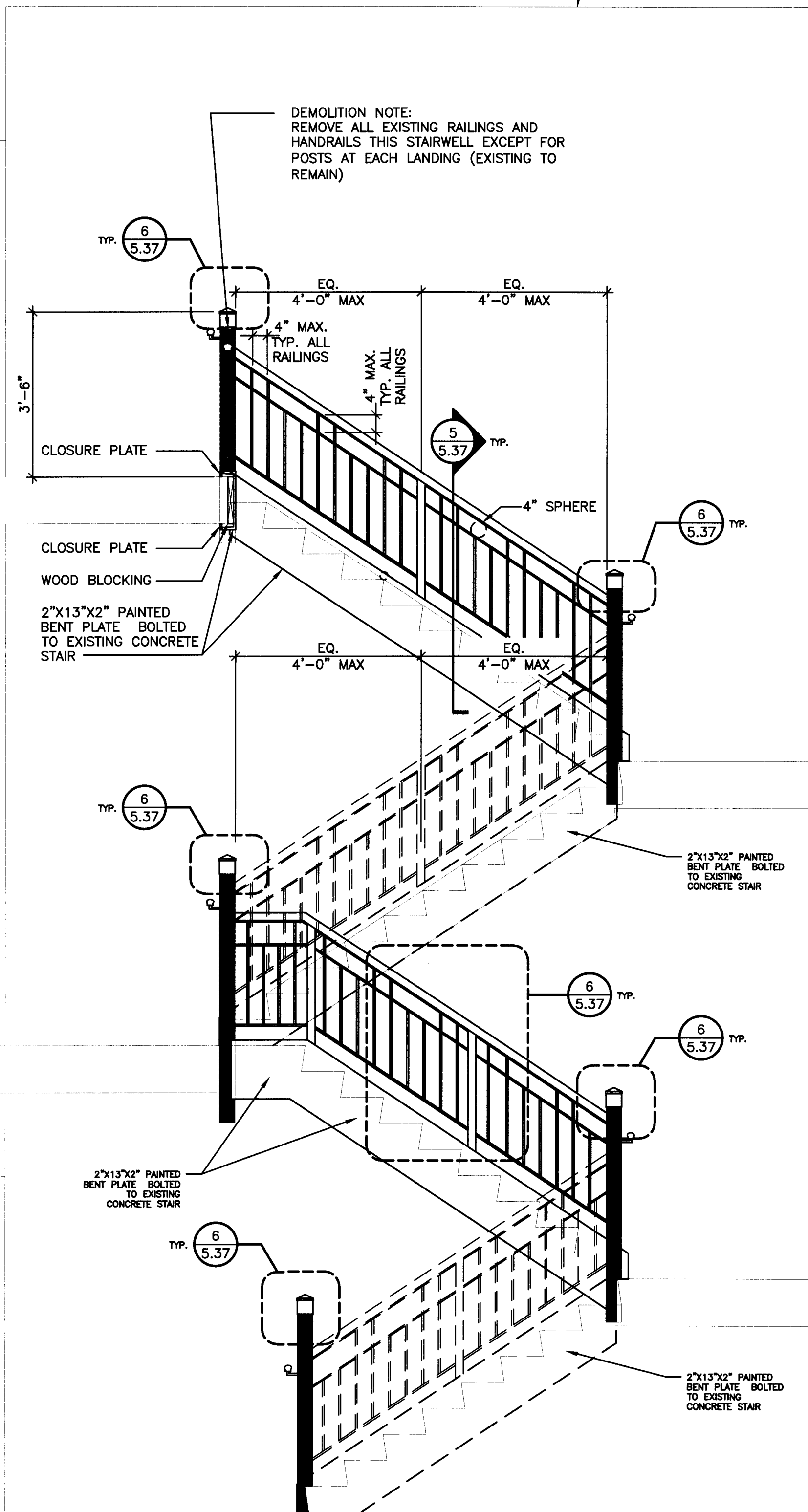


2 STAIR 227 PLAN
SCALE: 1/4"=1'-0"

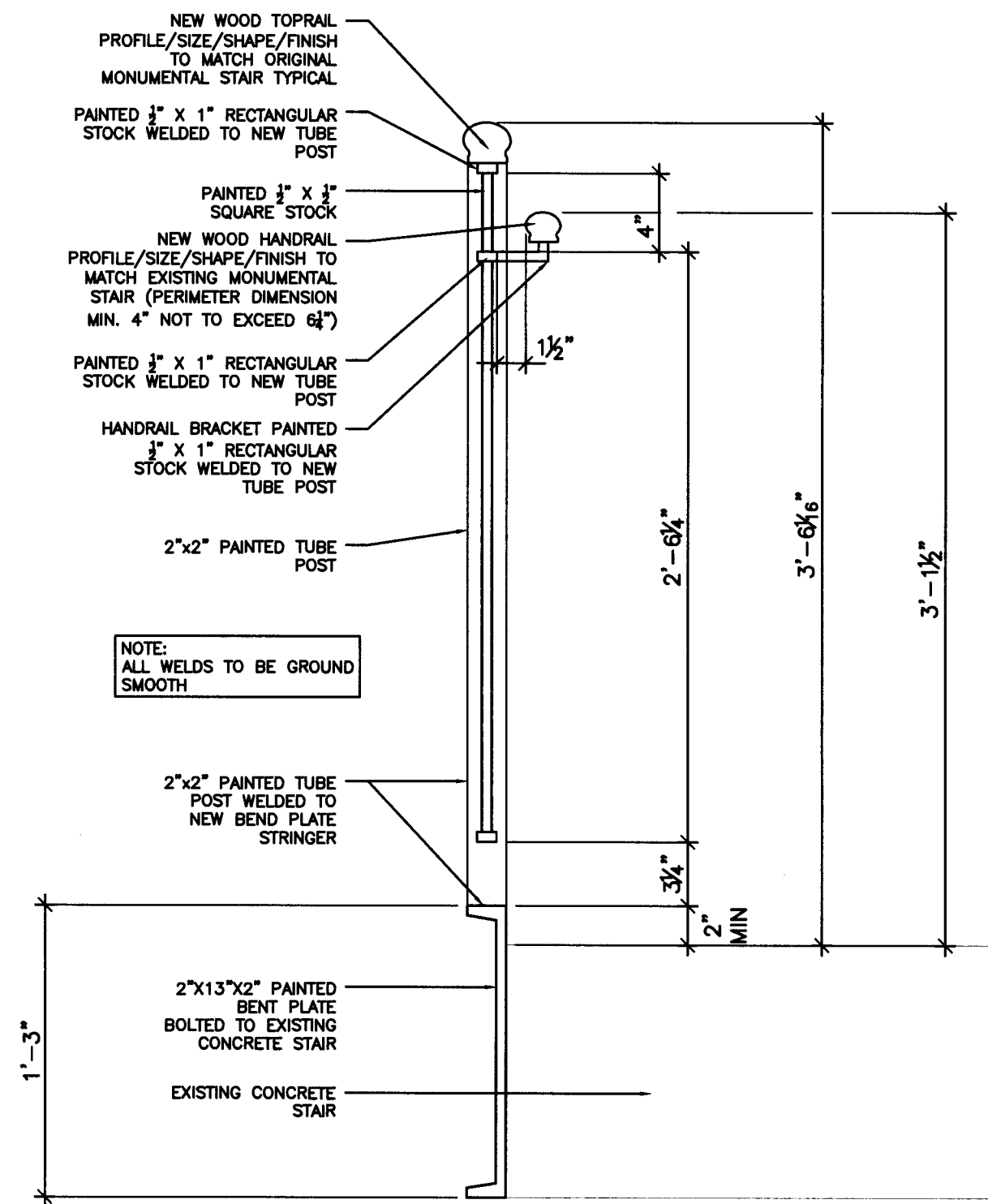


1 STAIR 131 PLAN
SCALE: 1/4"=1'-0"

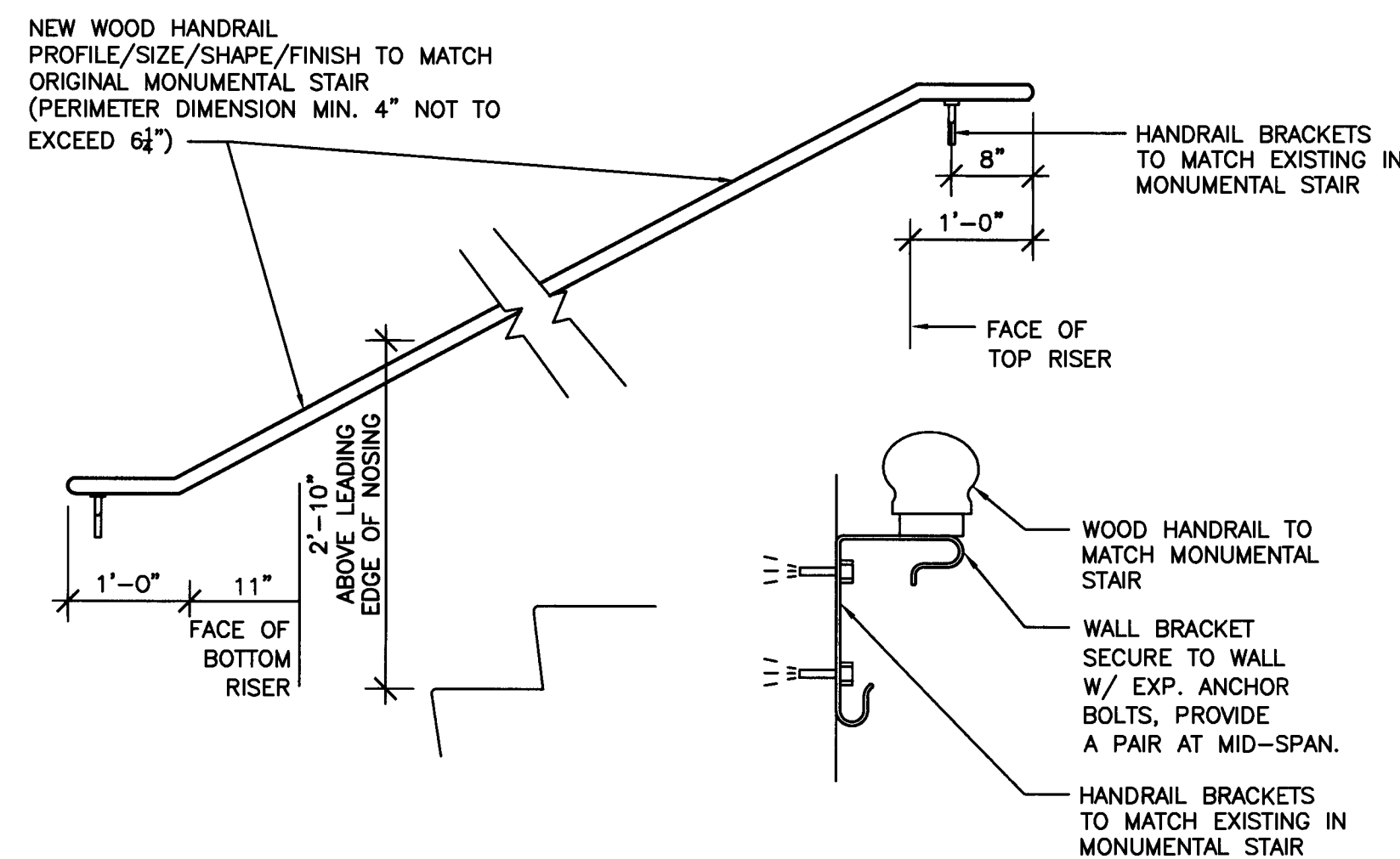
REFER TO STRUCTURAL AND MECHANICAL FOR
ROOF TOP UNITS AND STRUCTURE ABOVE
EXISTING STAIRWELL
(REFER TO ROOFING DETAIL ON SECTION
1/5.35 AT NEW PIPE SUPPORTS)



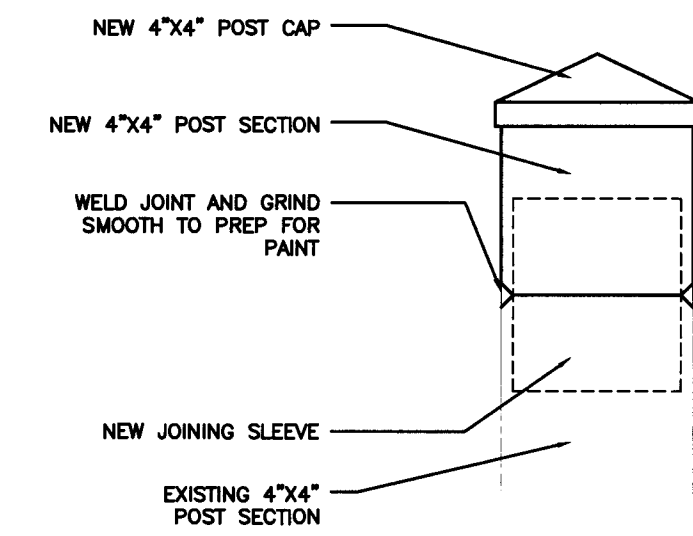
4 STAIR 320 SECTION
SCALE: 1/2"=1'-0"



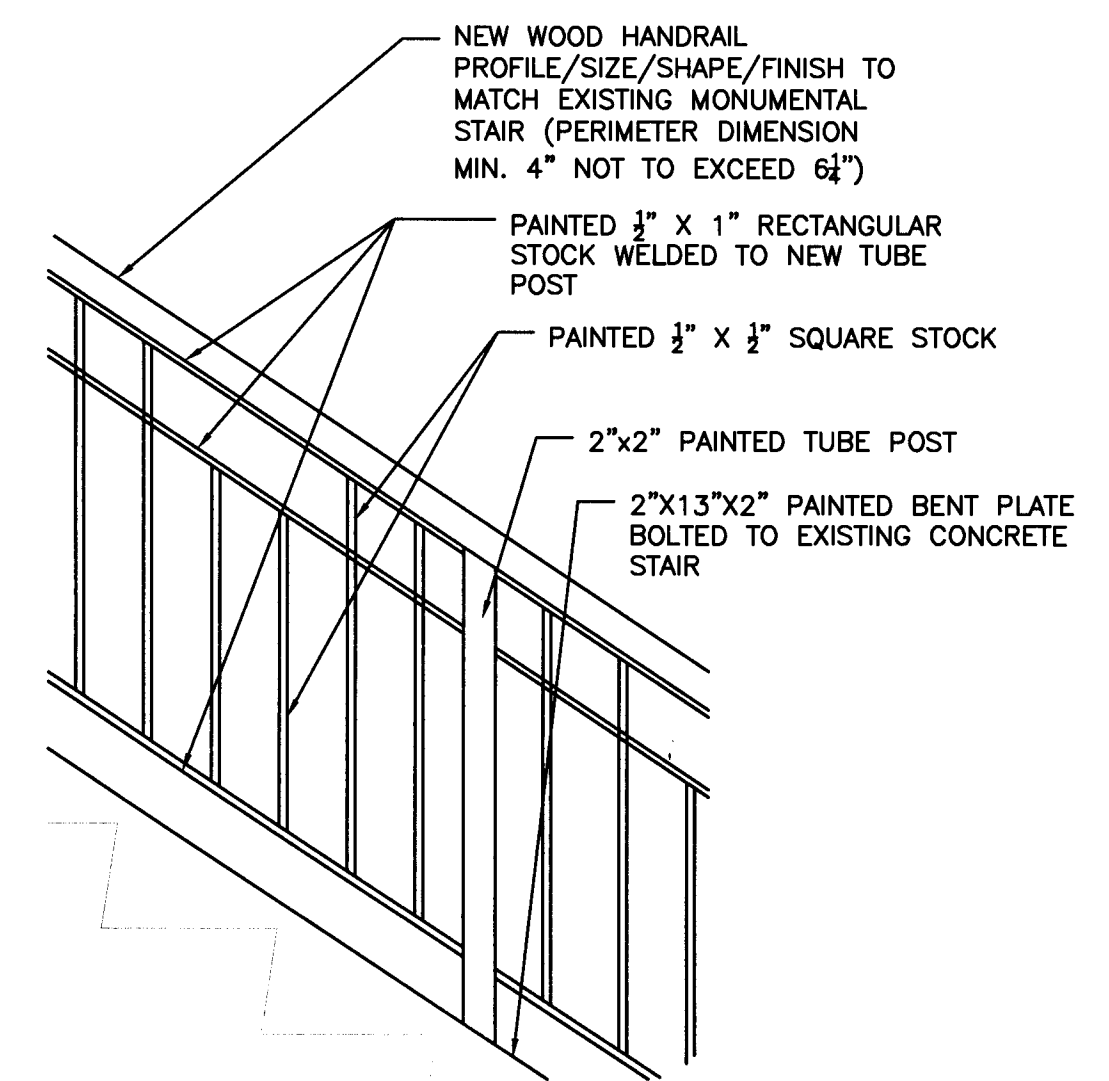
5 HANDRAIL SECTION
SCALE: 1-1/2"=1'-0"



7 HANDRAIL SECTION
SCALE: N.T.S.



6 POST CAP DETAIL
SCALE: 3"=1'-0"



8 HANDRAIL SECTION
SCALE: N.T.S.

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

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1390

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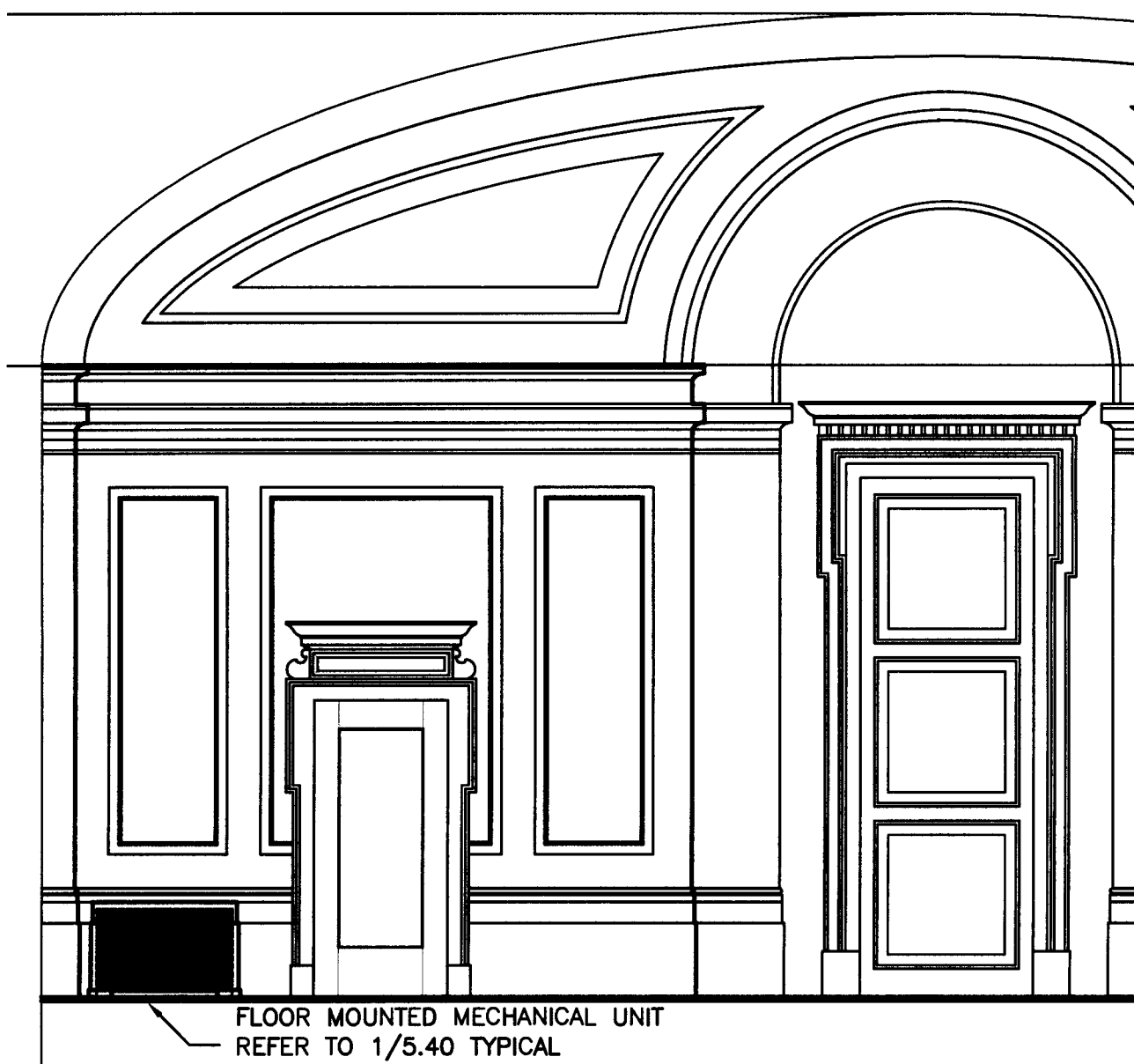
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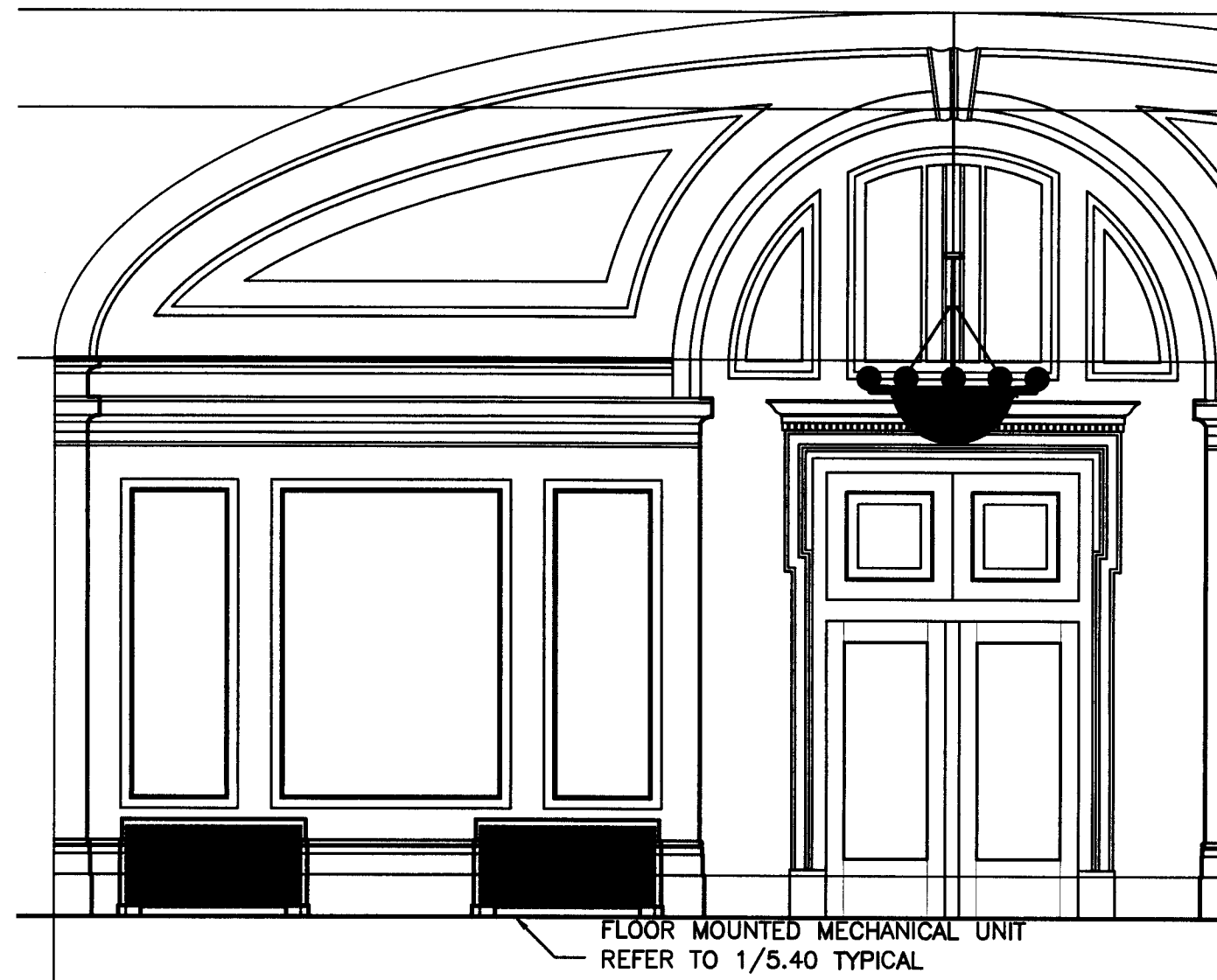


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

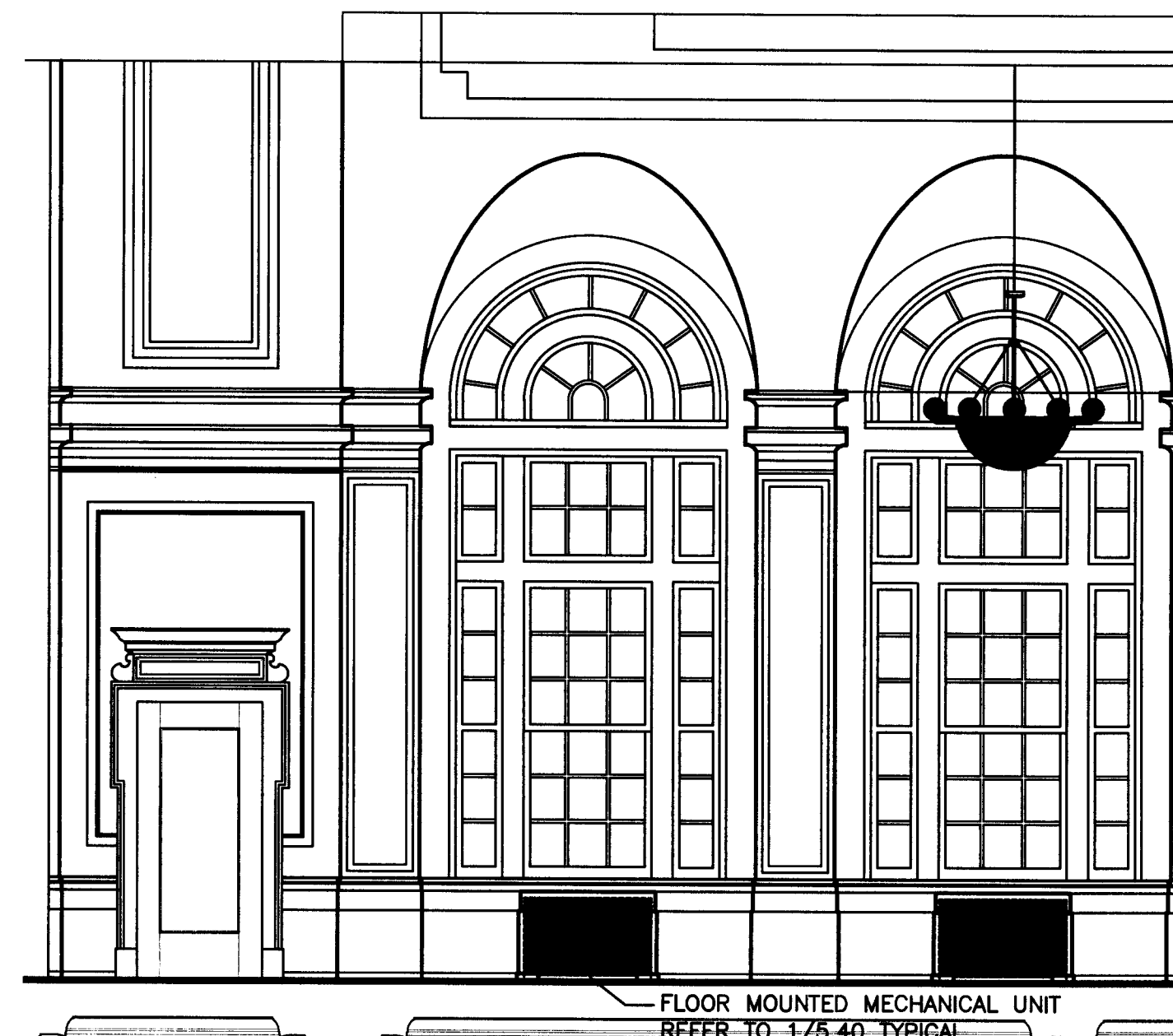
sheet **5.37**



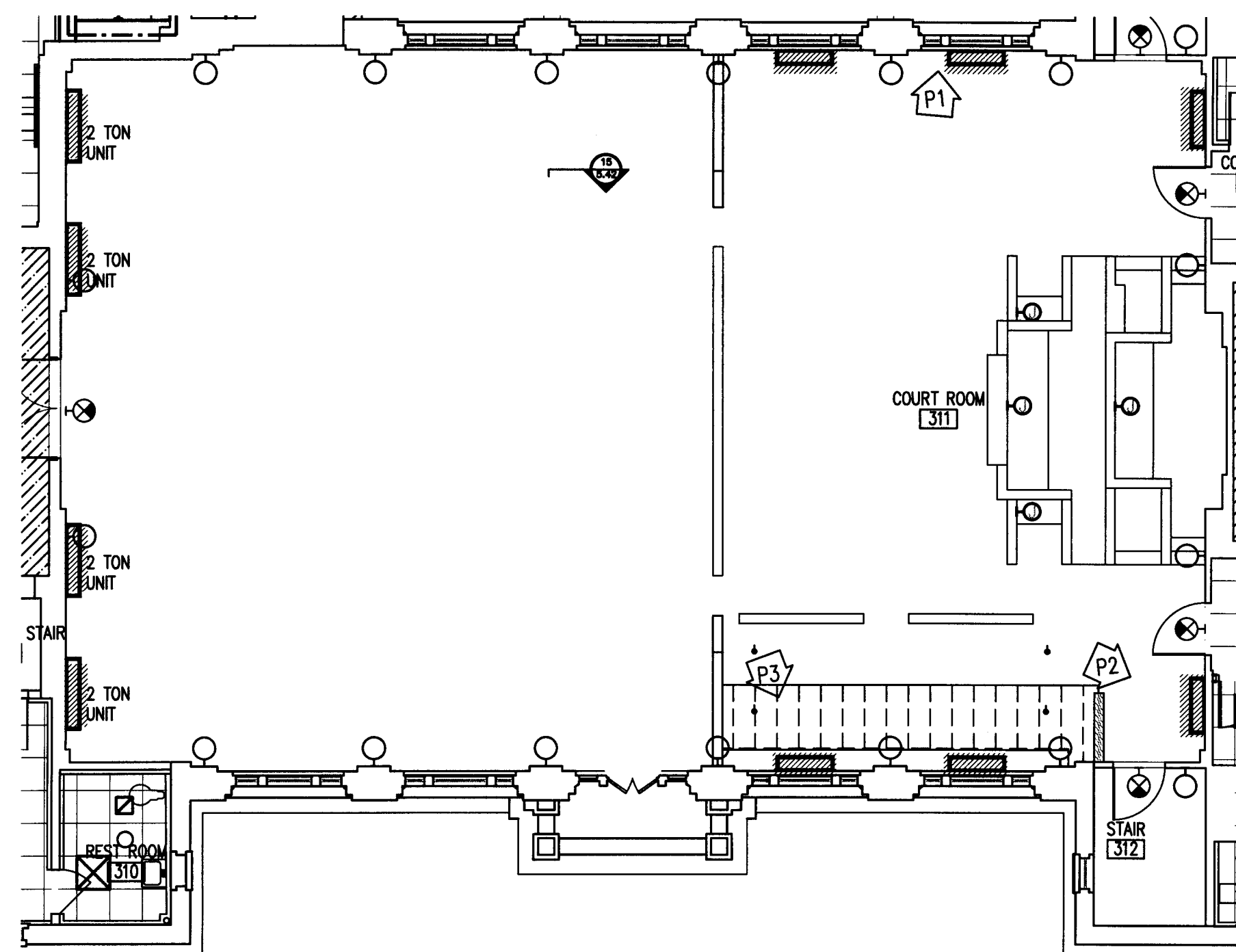
7 INTERIOR ELEVATION
1/4"=1'-0"



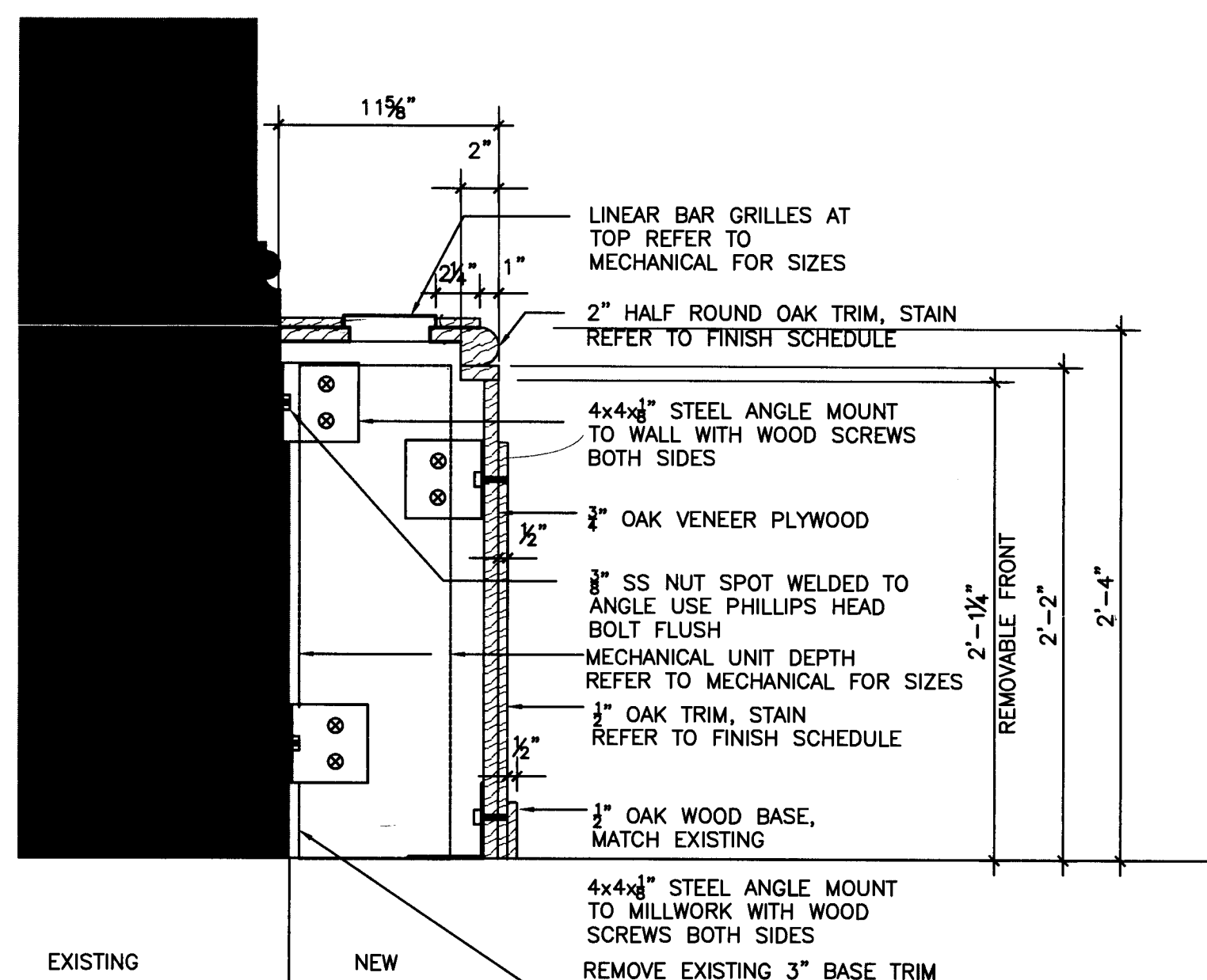
6 INTERIOR ELEVATION
1/4"=1'-0"



5 INTERIOR ELEVATION
1/4"=1'-0" ELEVATION 8 SIMILAR



4 MECH UNIT LOCATION
SCALE: 1/8"=1'-0"



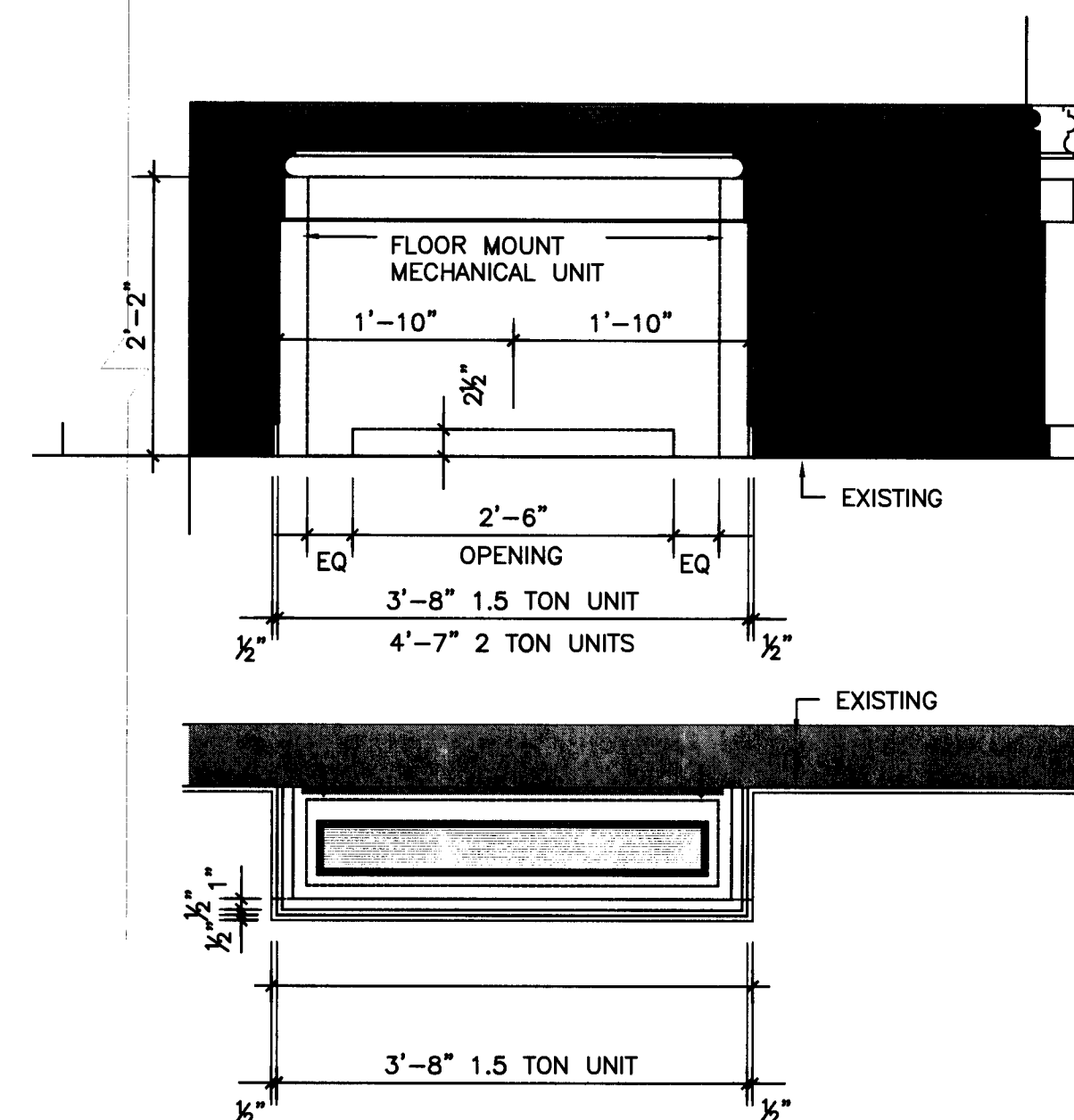
3 MILLWORK SECTION
SCALE: 1 1/2"=1'-0"

NOTES

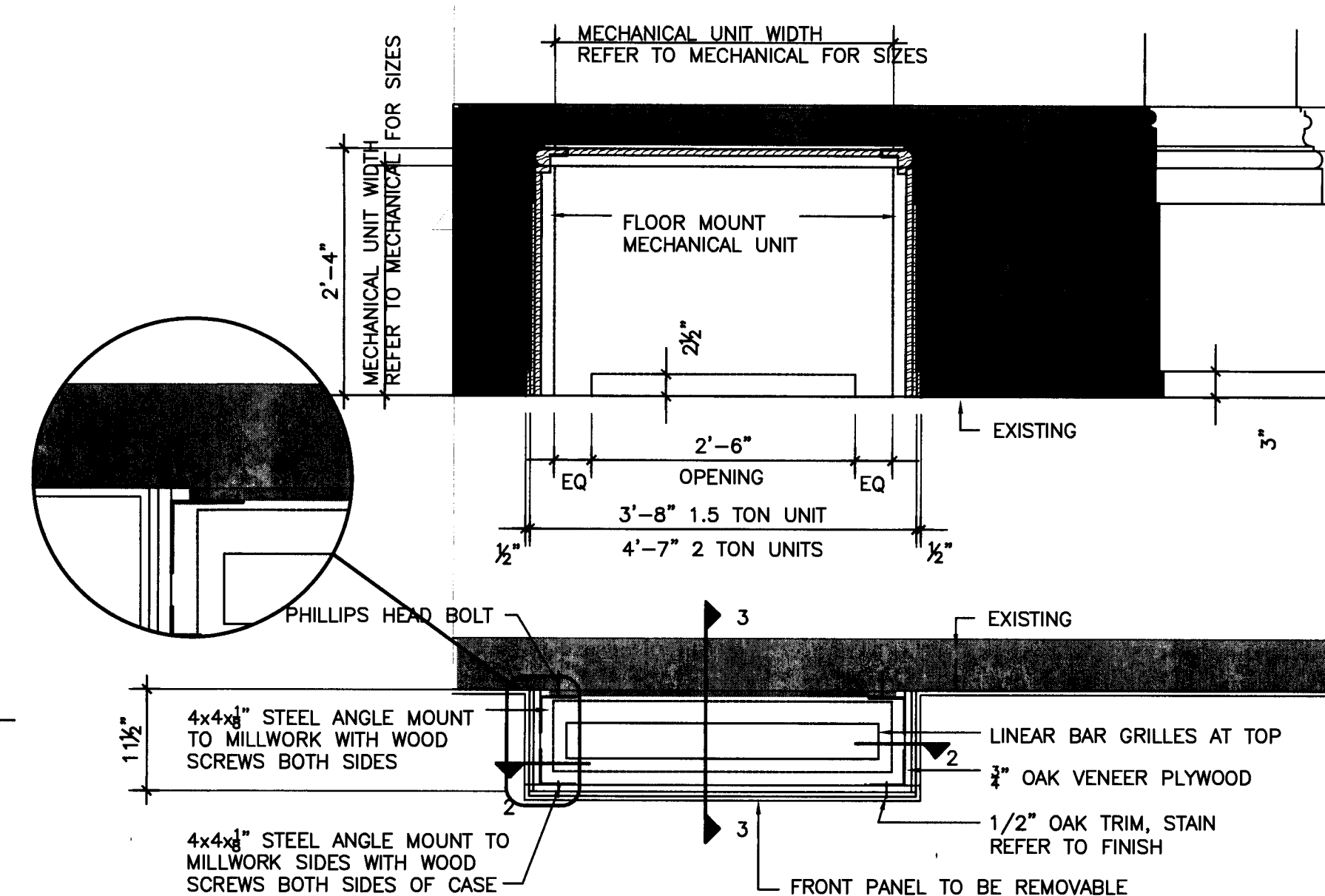
NOTES

MILLWORK FOR THE FLOOR MOUNT UNITS:

OAK VENEER PLYWOOD 3/4" THICK. MITER CORNERS. FIELD VERIFY ALL LOCATIONS.

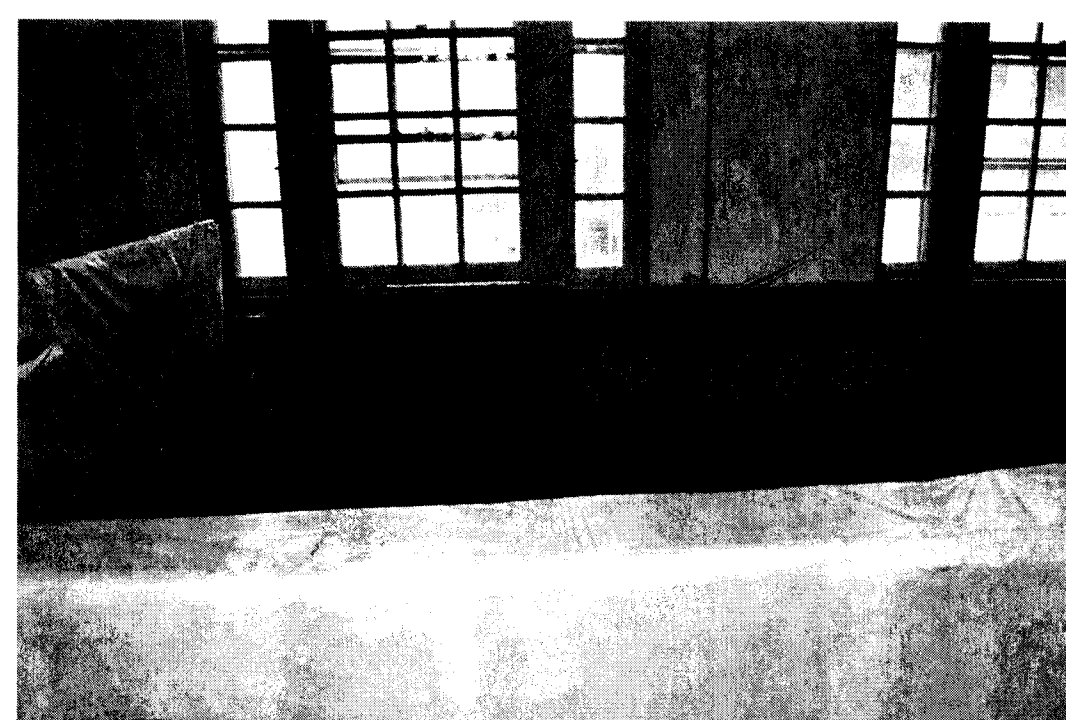


1 MILLWORK PLAN/ELEVATION
SCALE: 3/4"=1'-0"



2 MILLWORK PLAN/SECTION
SCALE: 3/4"=1'-0"

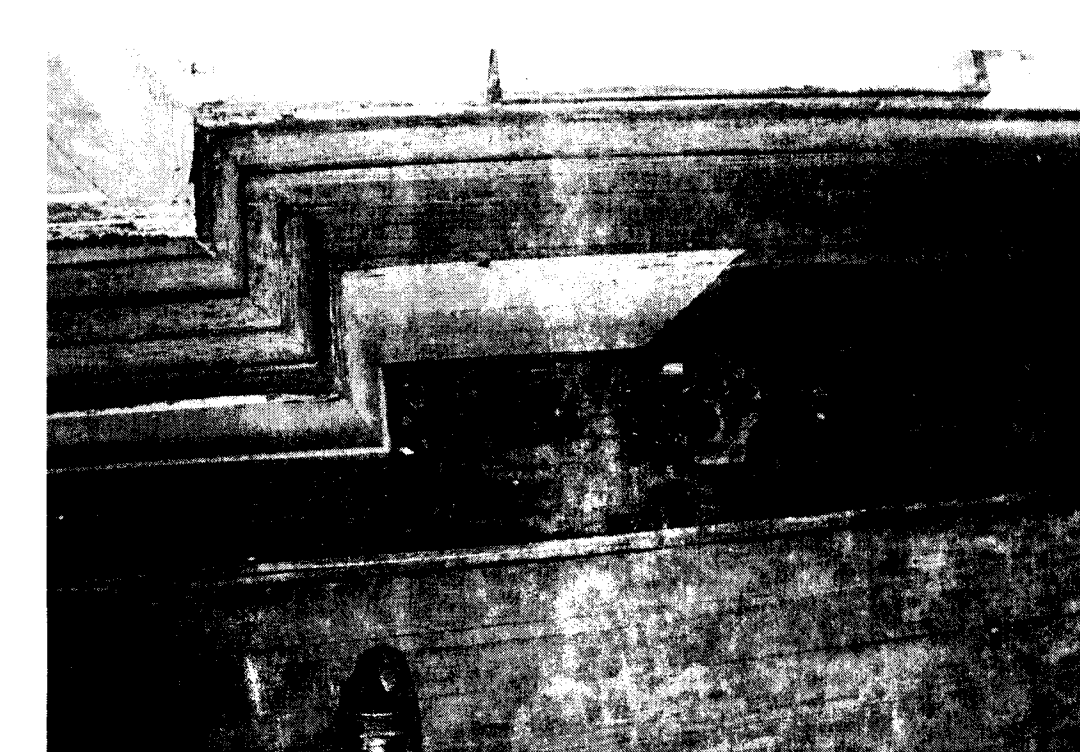
P3 PHOTO
NTS



P2 PHOTO
NTS



P1 PHOTO
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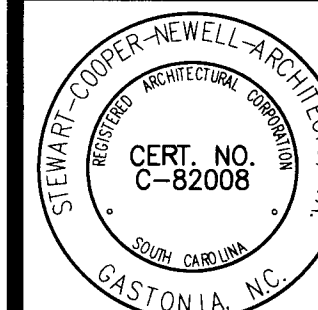
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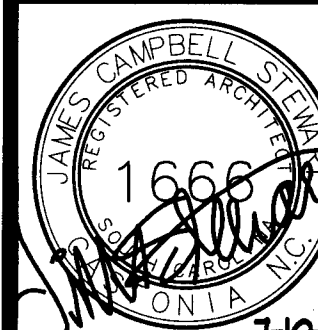
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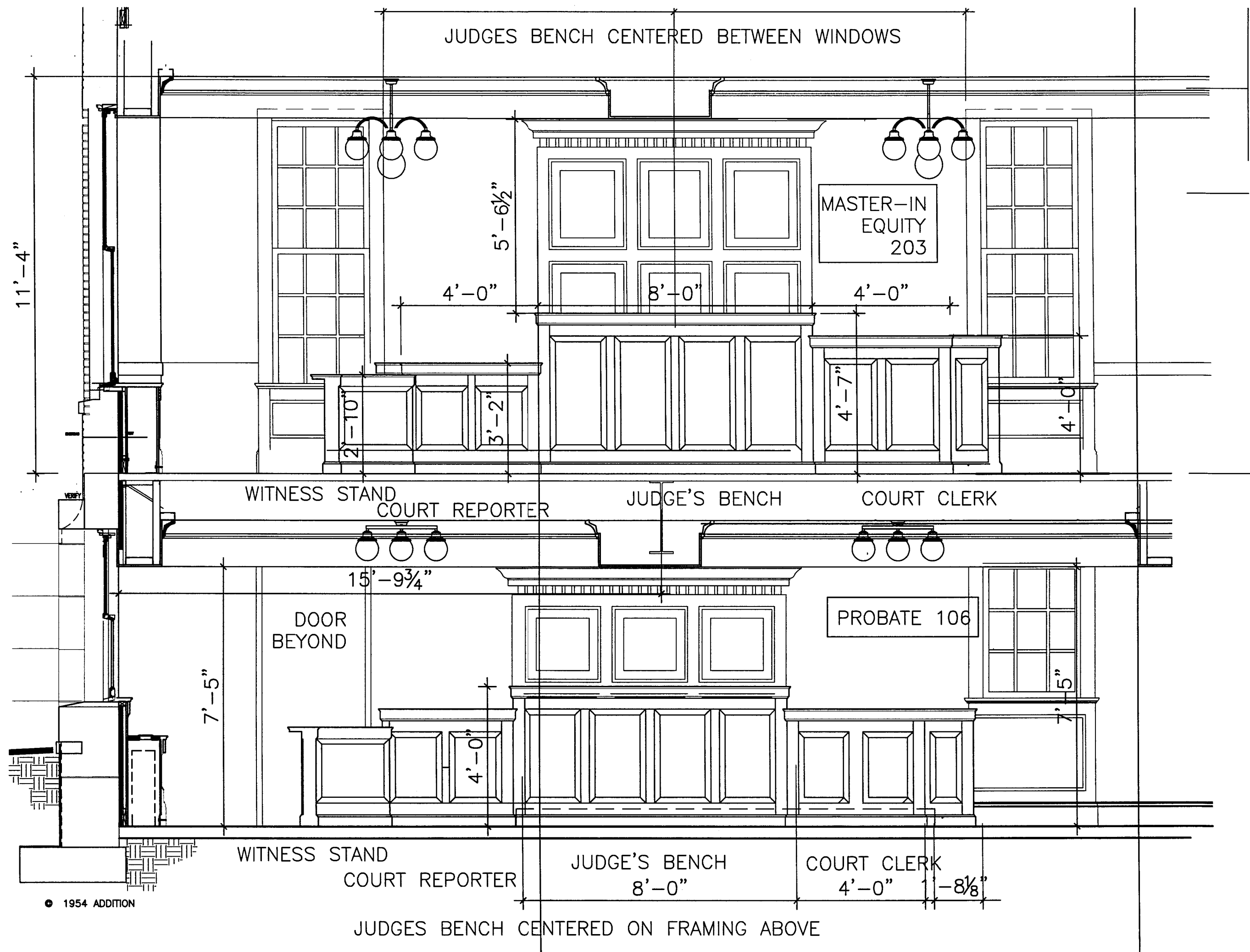
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
MILLWORK DETAILS, COURTROOM

sheet 5.40



Kirk Broom

From: Smarr, Angie <angie.smar@yorkcountygov.com>
Sent: Friday, June 17, 2016 10:24 AM
To: 'Stewart, Jim'
Cc: Kirk Broom; Hamilton, David
Subject: Courtrooms

Good Morning,

I have talked to both Judge Rogers and Judge Kimball and they are fine with the location of their courtrooms per our discussion on Wednesday as follows:

Judge Kimball's - Centered between the two windows
 Judge Roger's - Centered on the wall

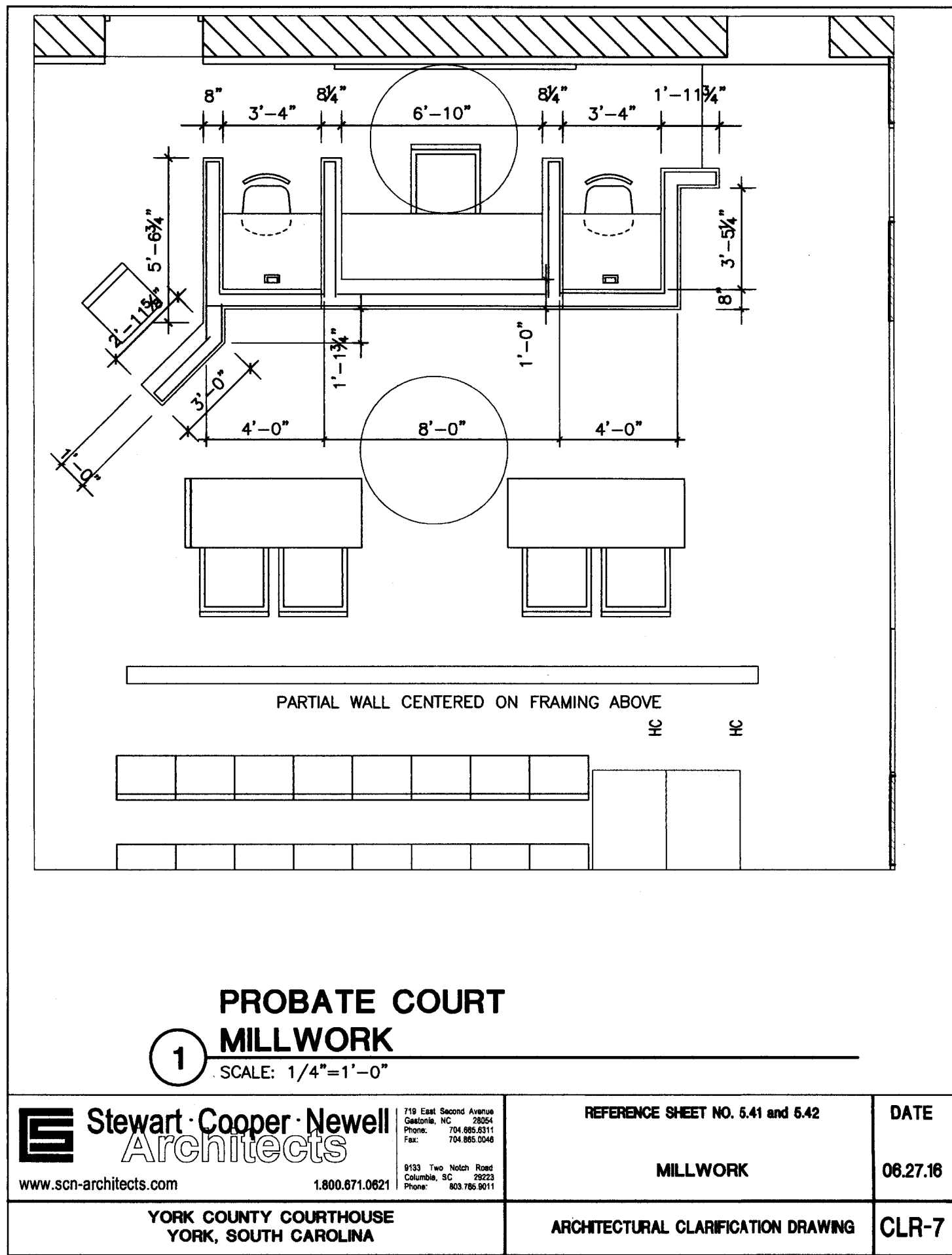
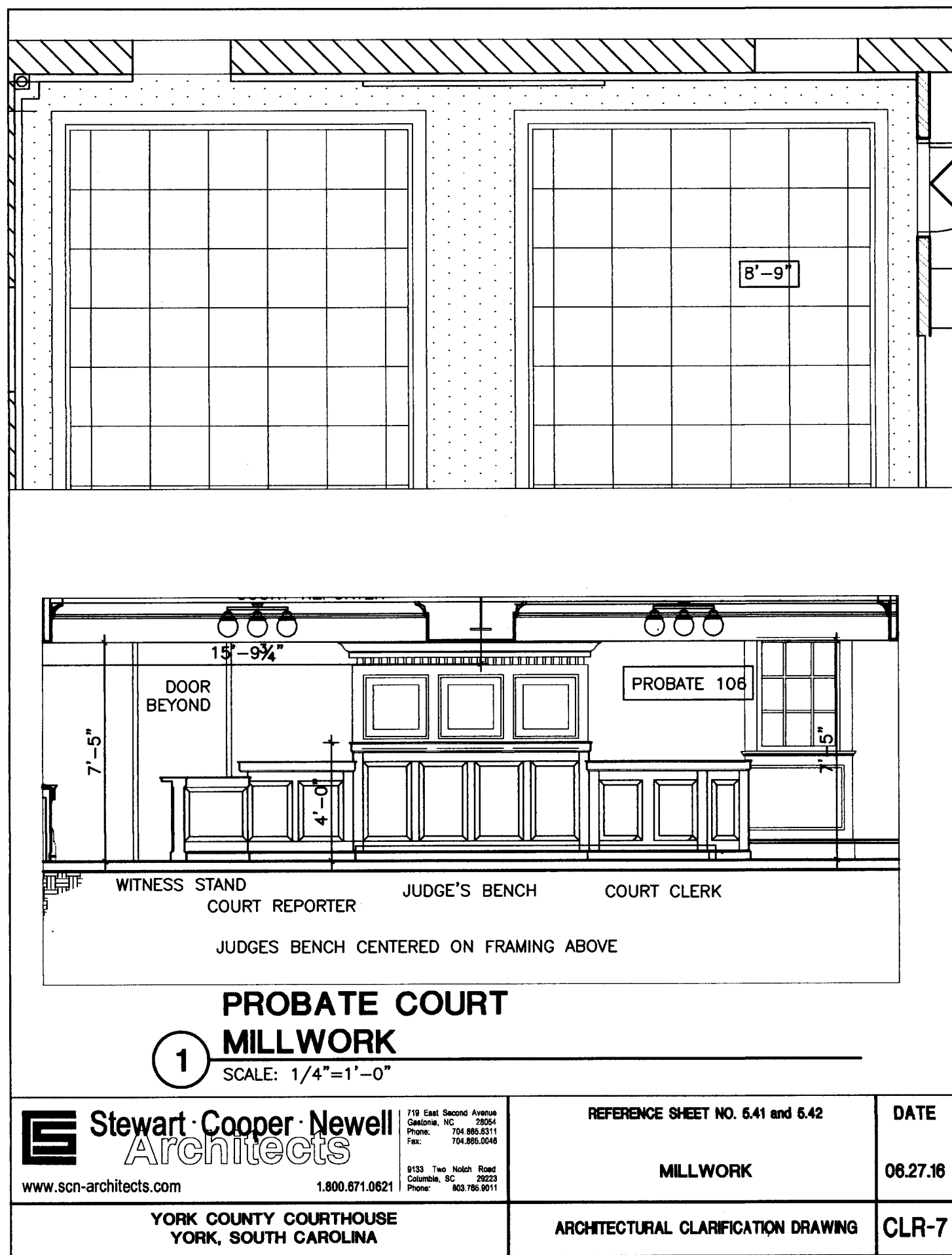
So, you can proceed!

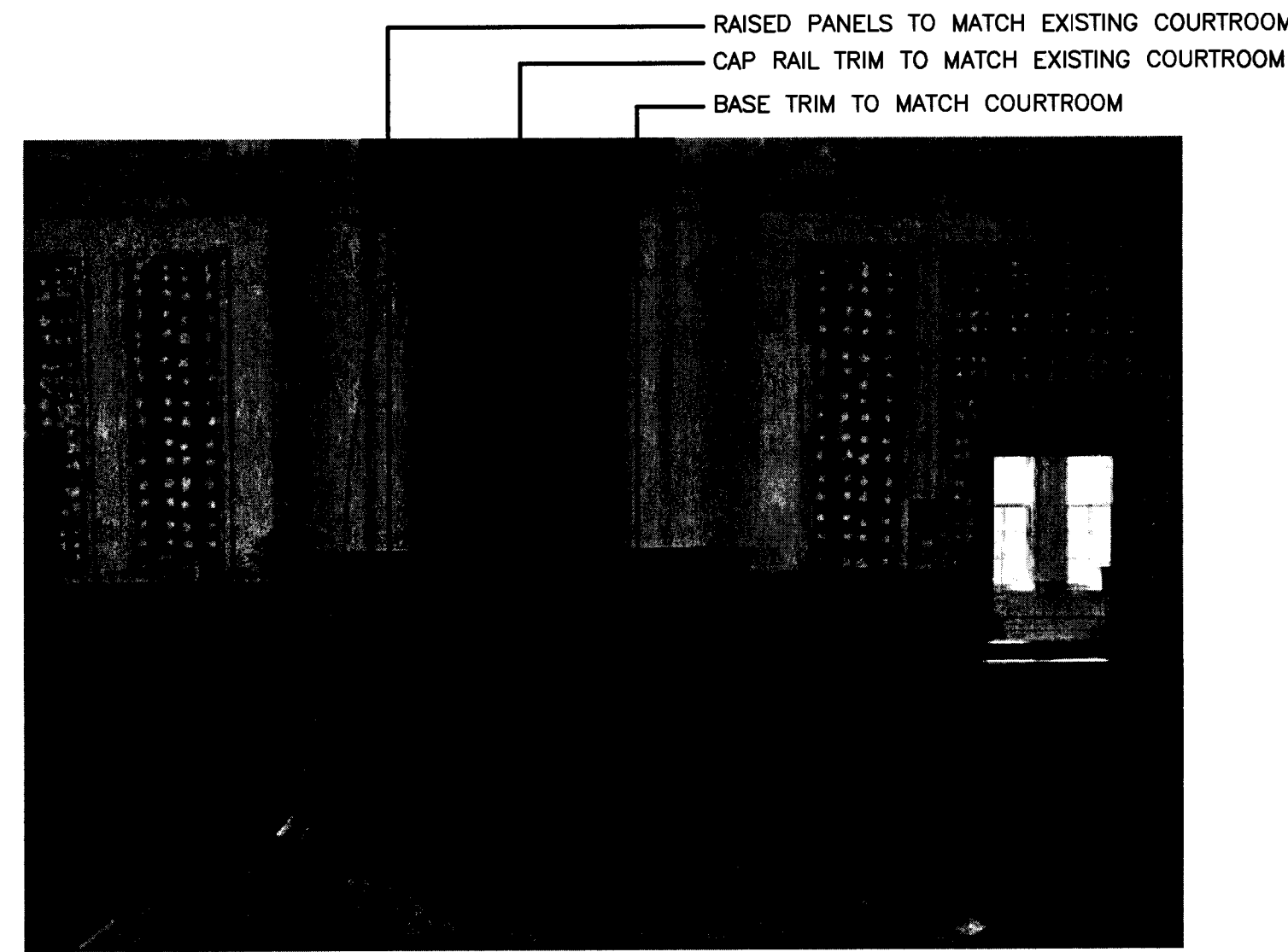
Thanks and have a wonderful weekend!

Angie Smarr
 Chief Deputy Clerk of Court
 York County Government
 803-628-5059 - office
 803-230-2023 - cell

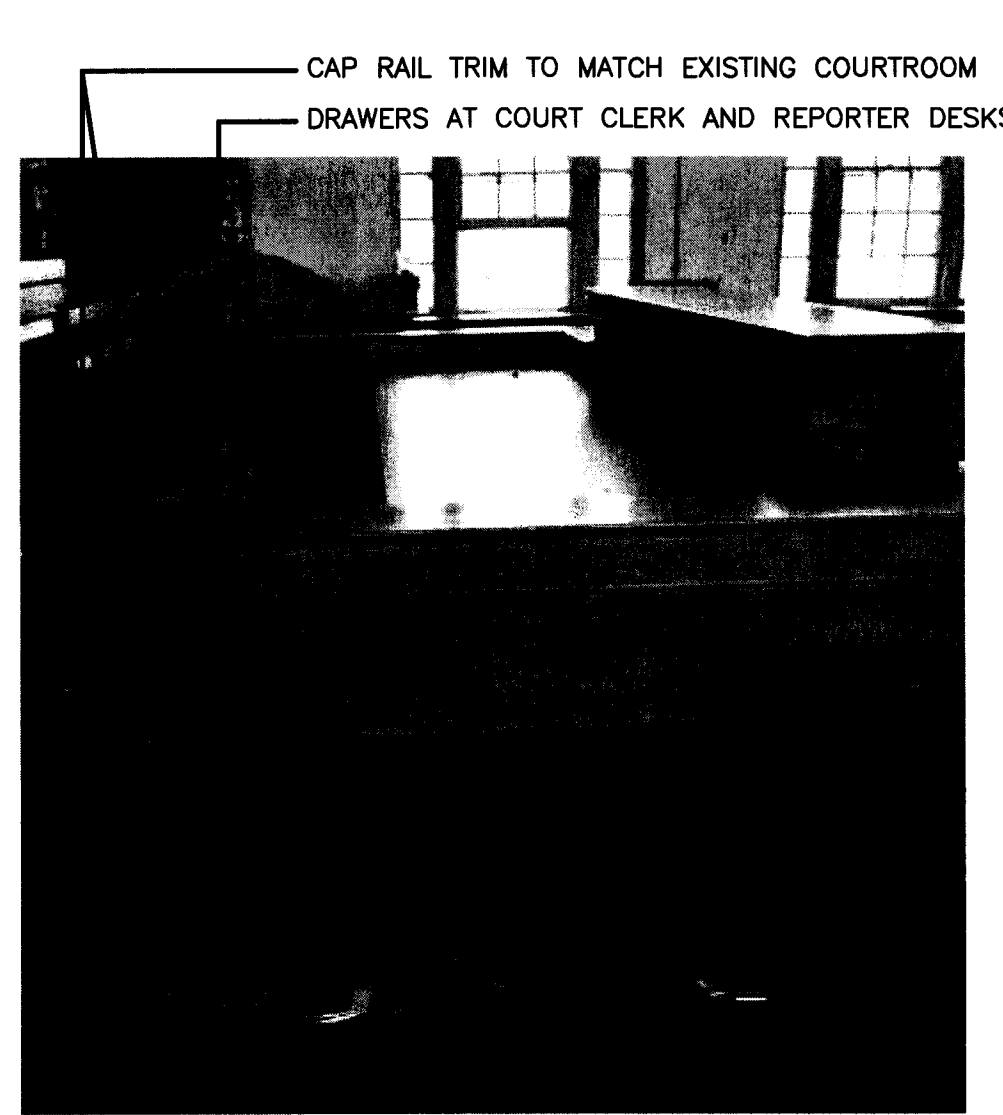


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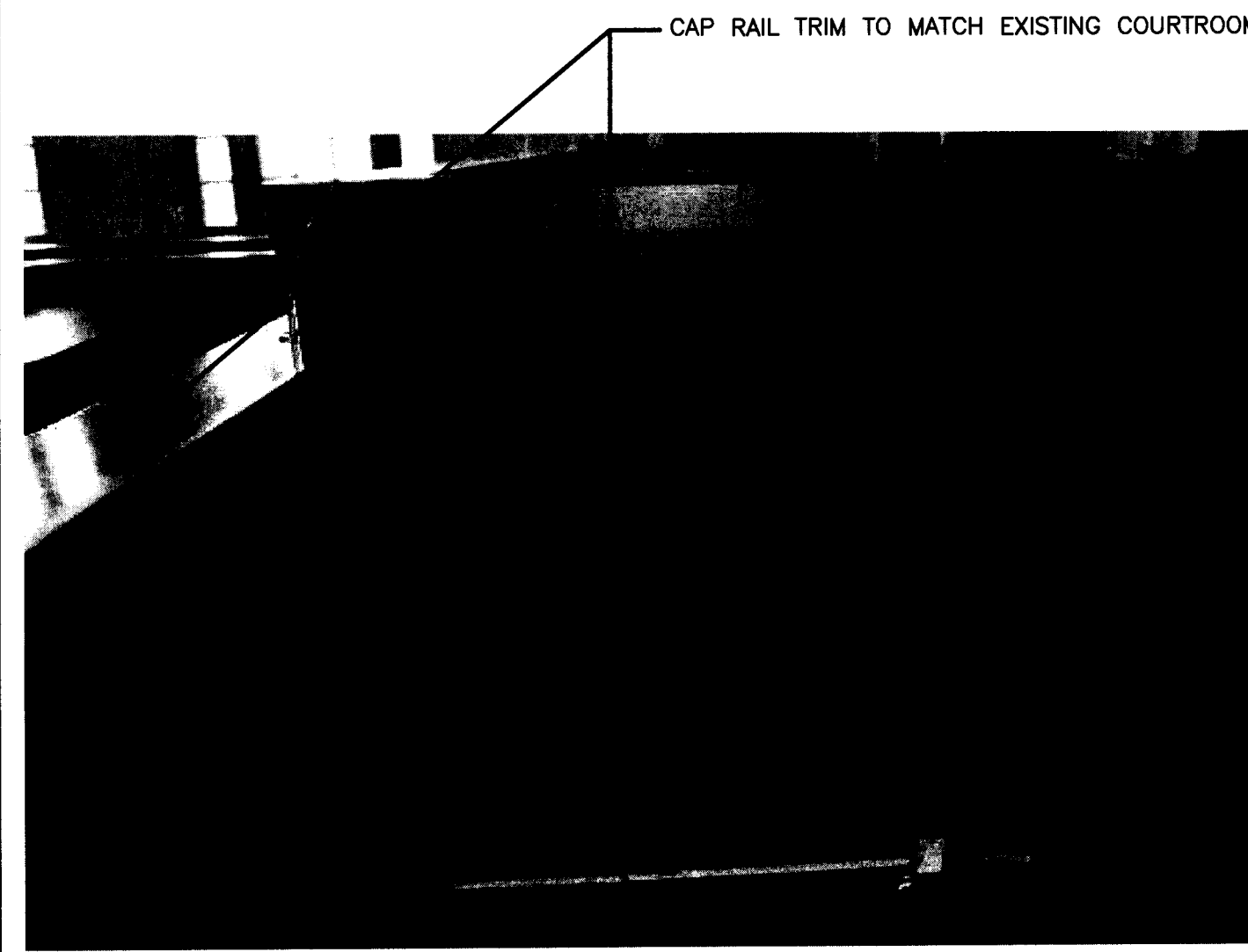




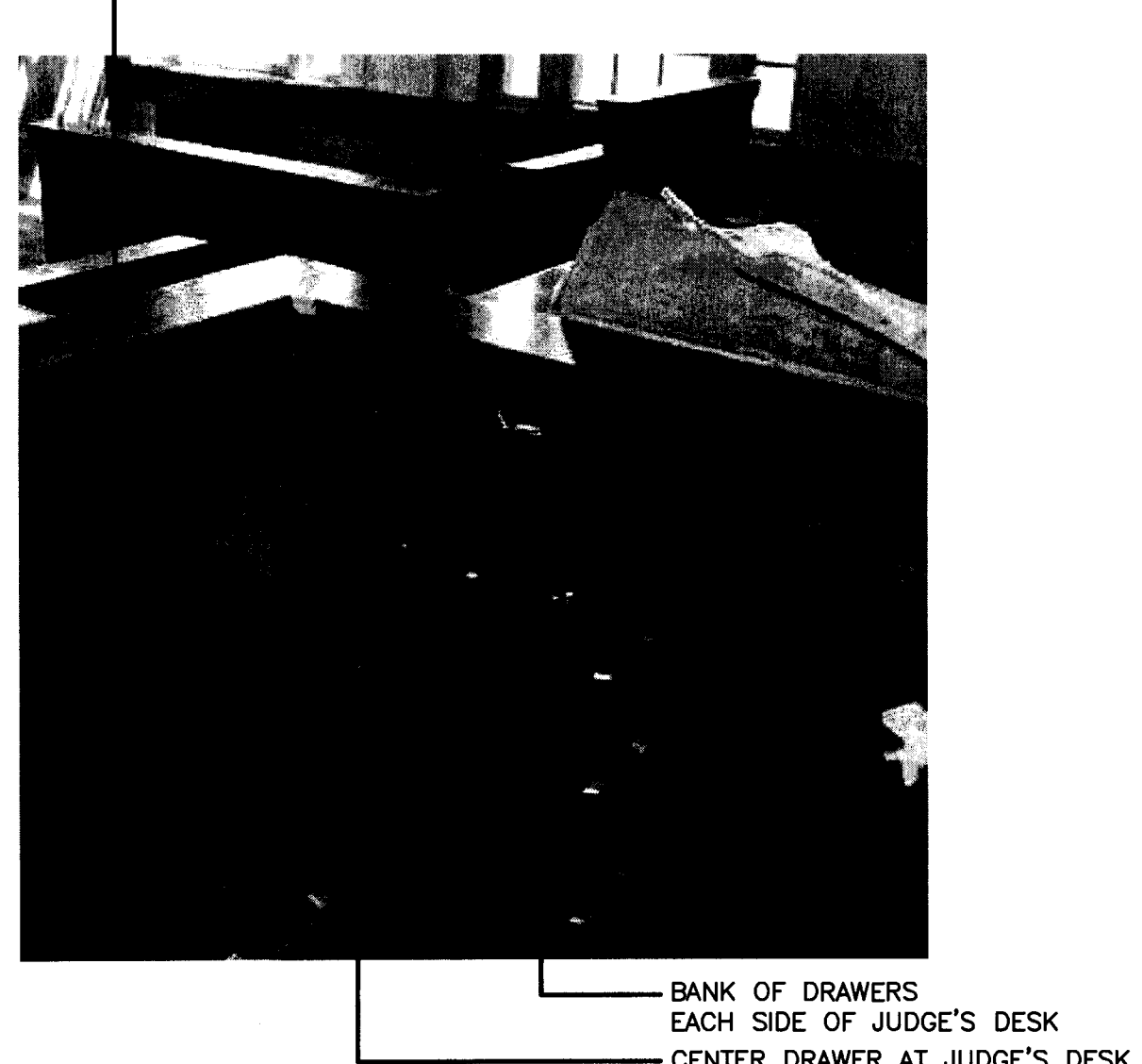
P1 PHOTO FRONT OF JUDGE'S BENCH
NTS



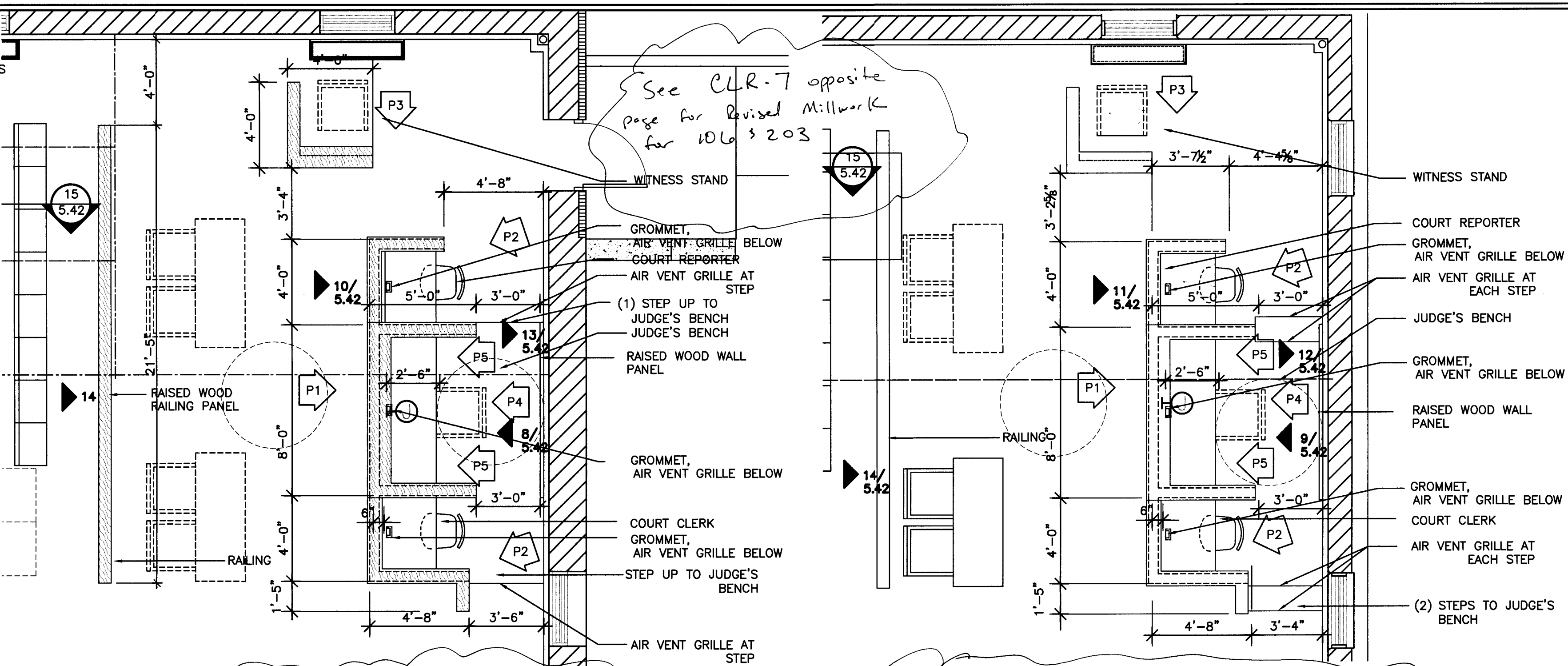
P2 PHOTO LOOKING INTO CLERK & COURT REPORTER DESKS
NTS



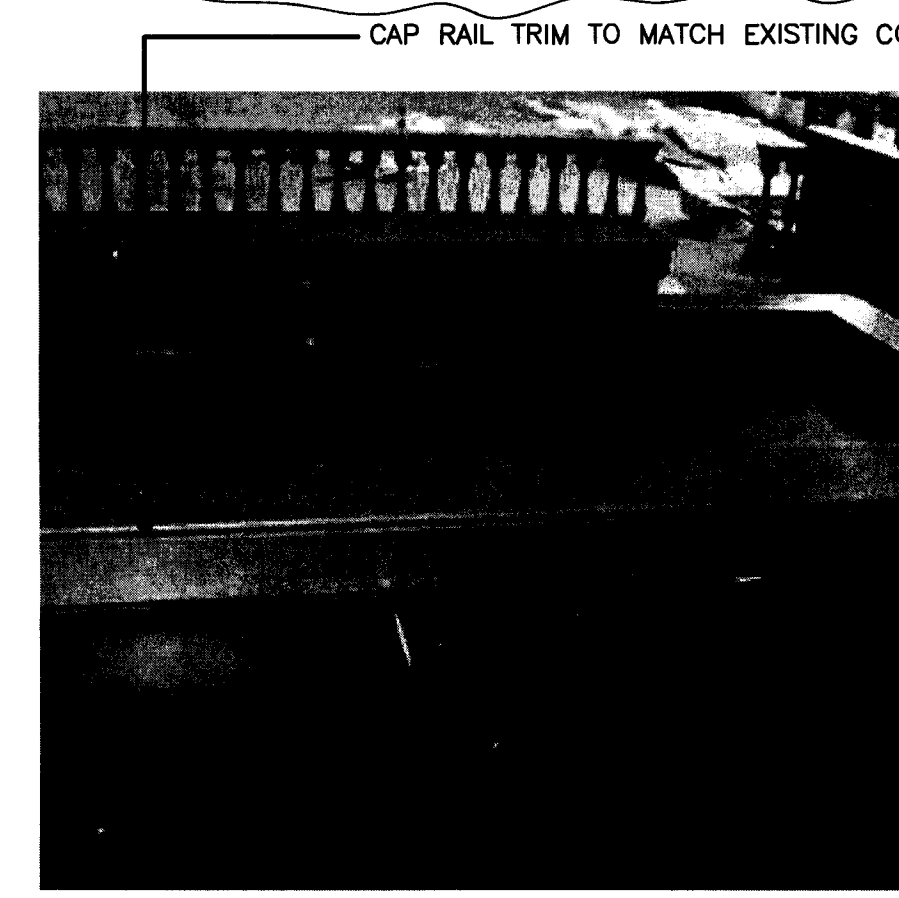
P3 PHOTO LOOKING INTO WITNESS STAND
NTS



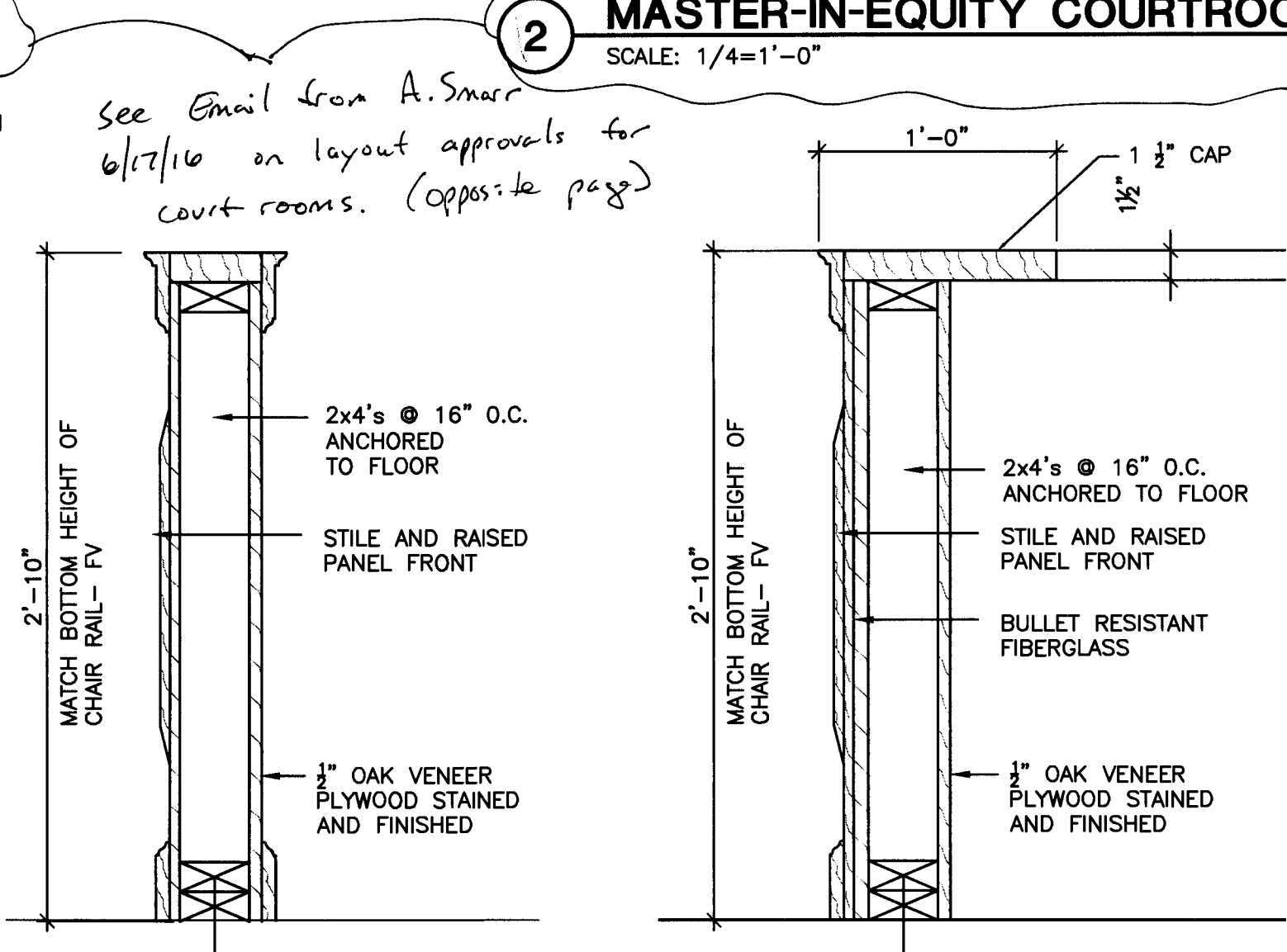
P4 PHOTO OF BANK OF DRAWERS AT JUDGE'S DESK
NTS



1 PROBATE 106 COURTROOM
SCALE: 1/4"=1'-0"

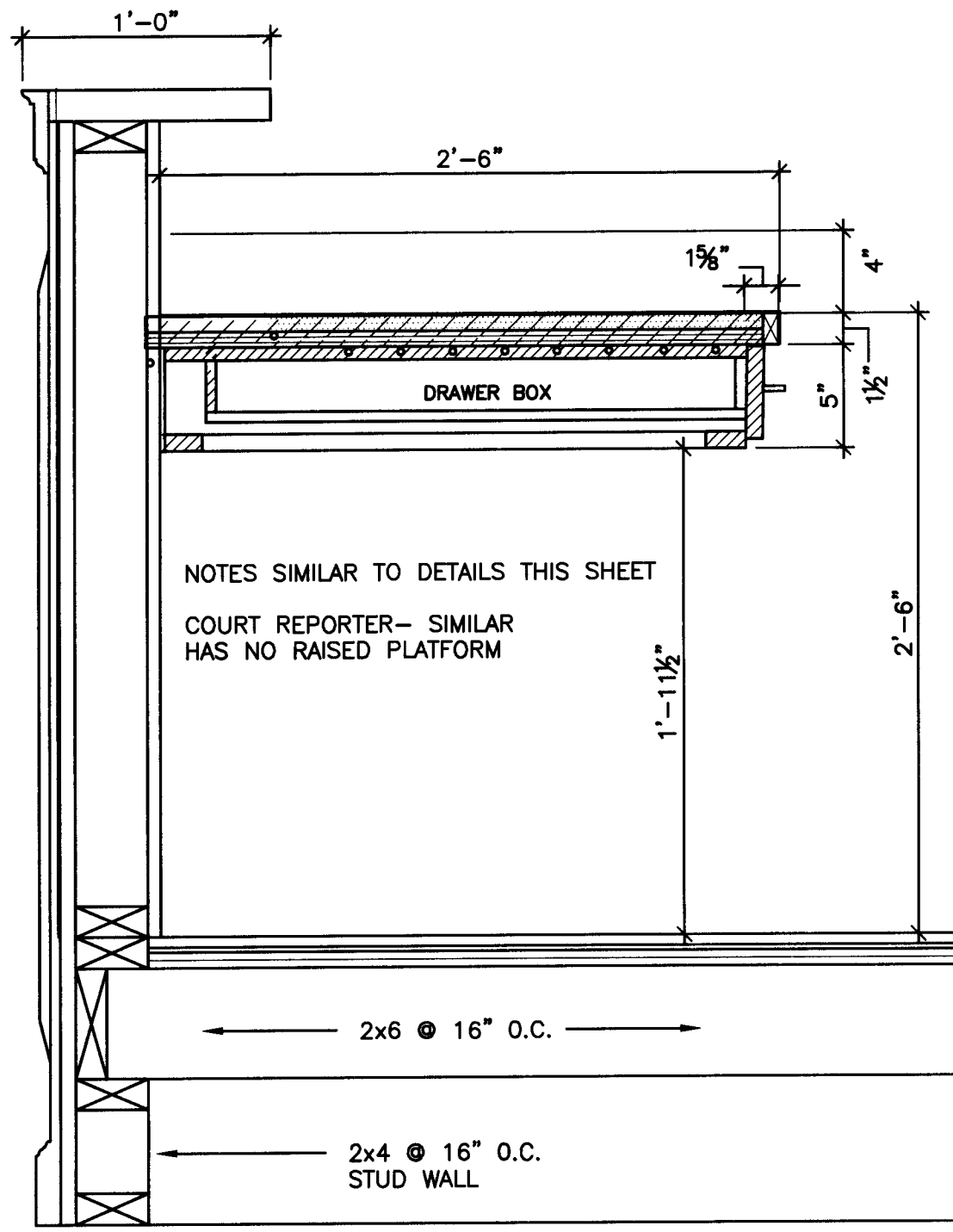


P5 PHOTO LOOKING OUT FROM JUDGE'S DESK
NTS

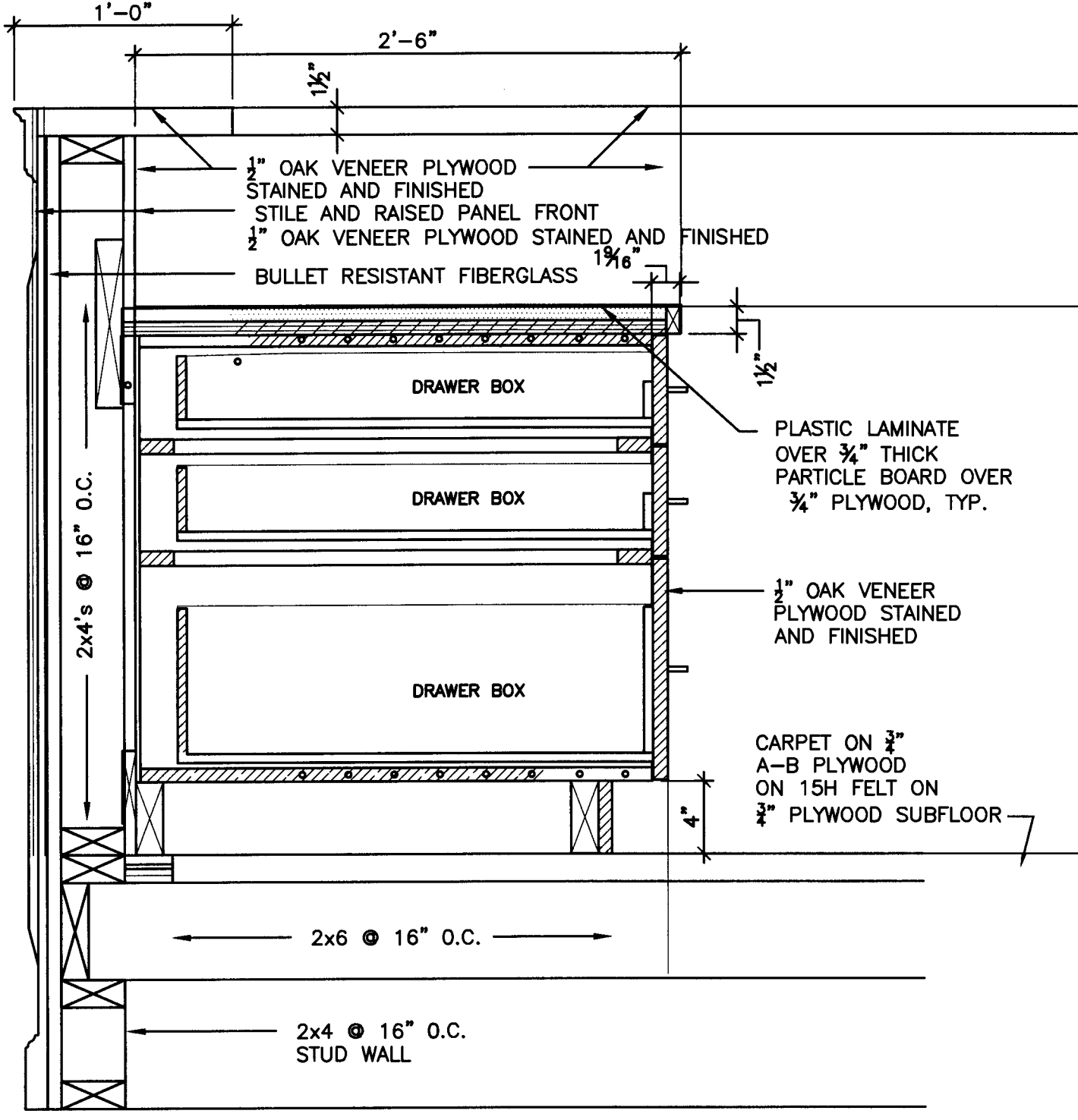


4 RAILING SECTION-
SCALE: 1 1/2"=1'-0"

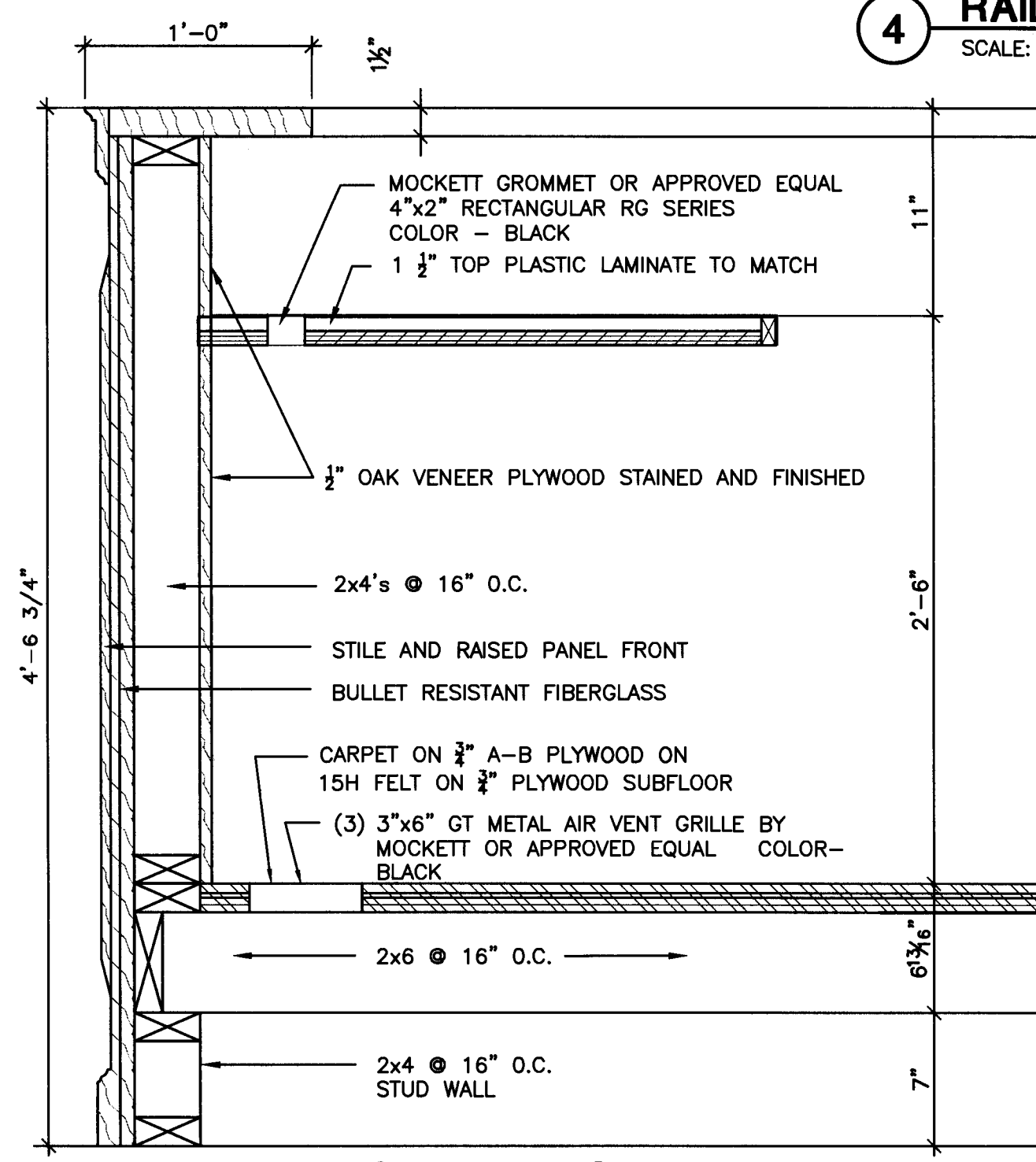
3 WITNESS STAND SECTION
SCALE: 1 1/2"=1'-0"



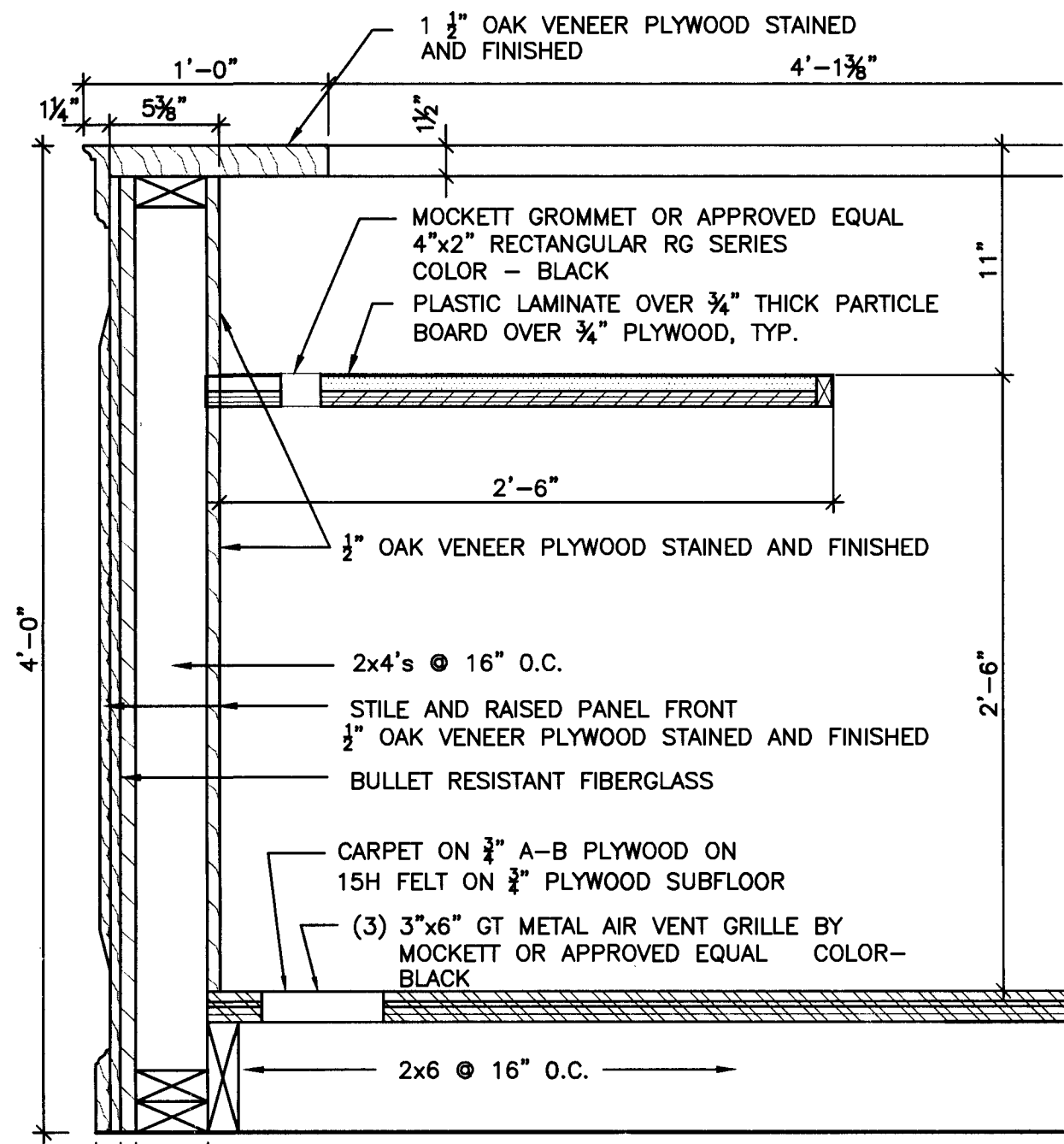
8 SECTION- COURT CLERK-PROBATE 106 (SIM), MASTER IN EQUITY 203
SCALE: 1 1/2"=1'-0"



7 SECTION- JUDGES BENCH-PROBATE 106 (SIM), MASTER IN EQUITY 203
SCALE: 1 1/2"=1'-0"



6 MASTER IN EQUITY BENCH SECTION
SCALE: 1 1/2"=1'-0"



5 PROBATE JUDGE'S BENCH SECTION
SCALE: 1 1/2"=1'-0"

Project No.
1390

Date
07.10.2015

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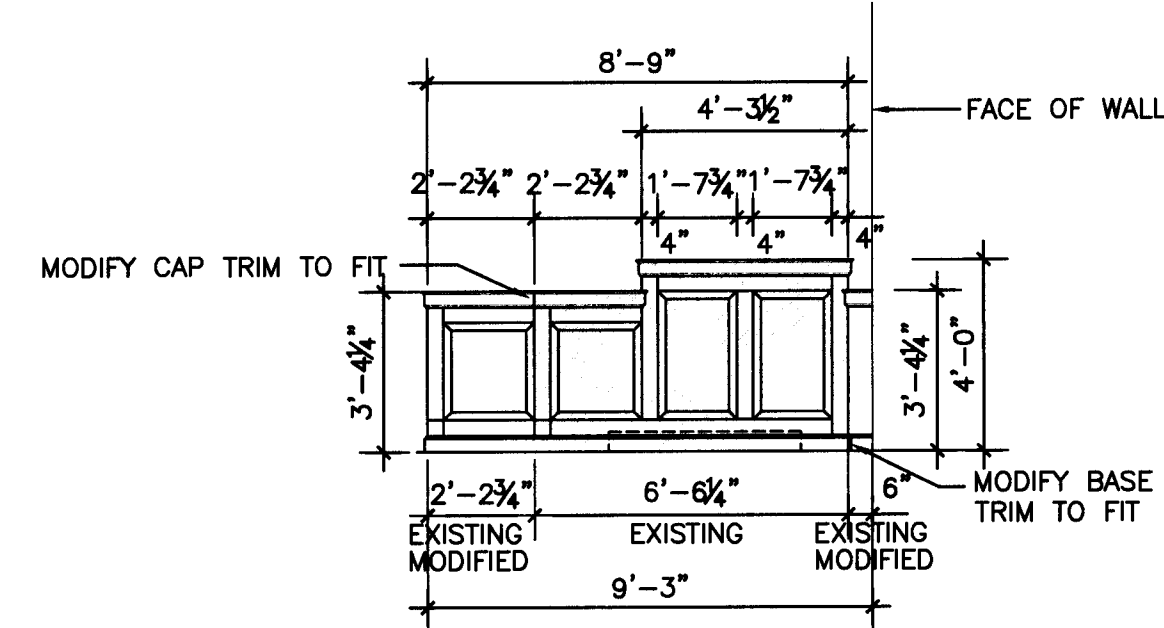
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

MILLWORK- PROBATE, MASTER-IN-EQUITY

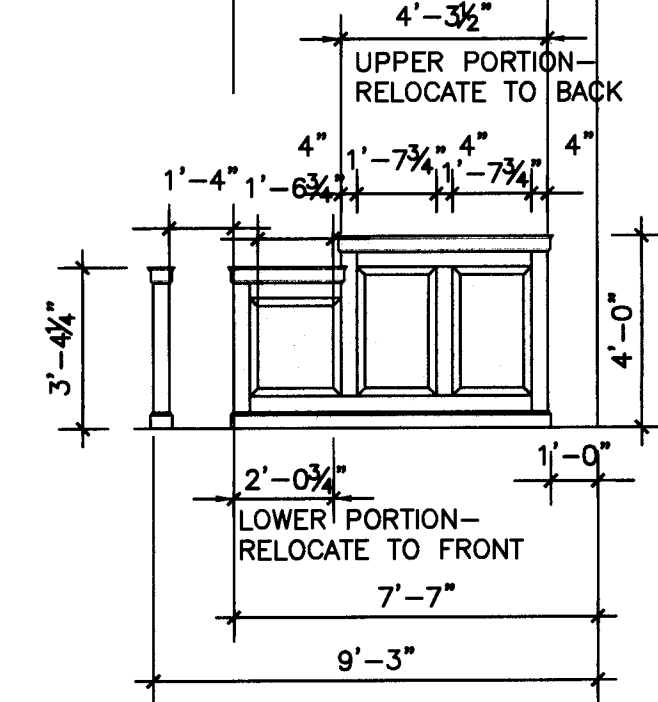
sheet **5.41**



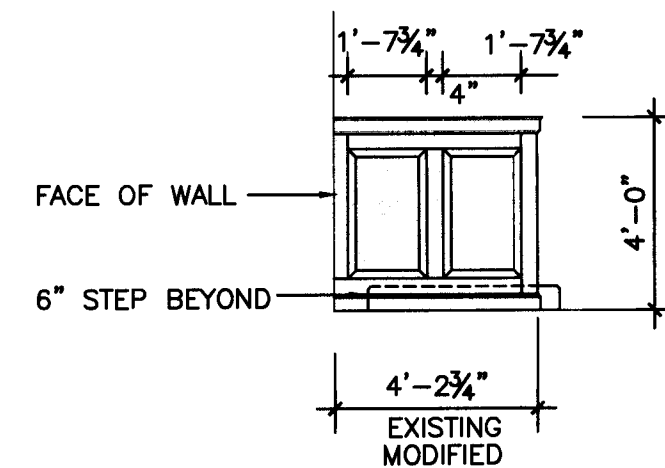
COURT ROOM 311



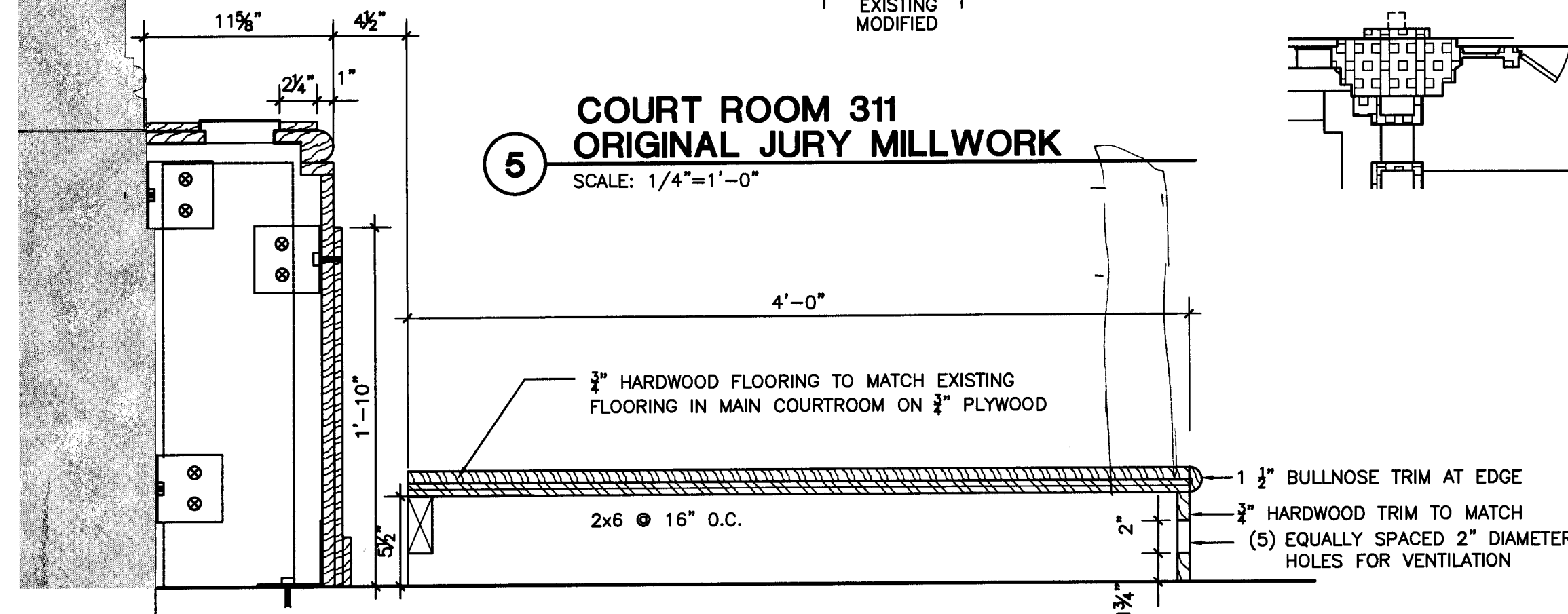
3 COURT ROOM 311 REVISED JURY MILLWORK
SCALE: 1/4"=1'-0"



4 COURT ROOM 311 EXISTING JURY MILLWORK
SCALE: 1/4"=1'-0"

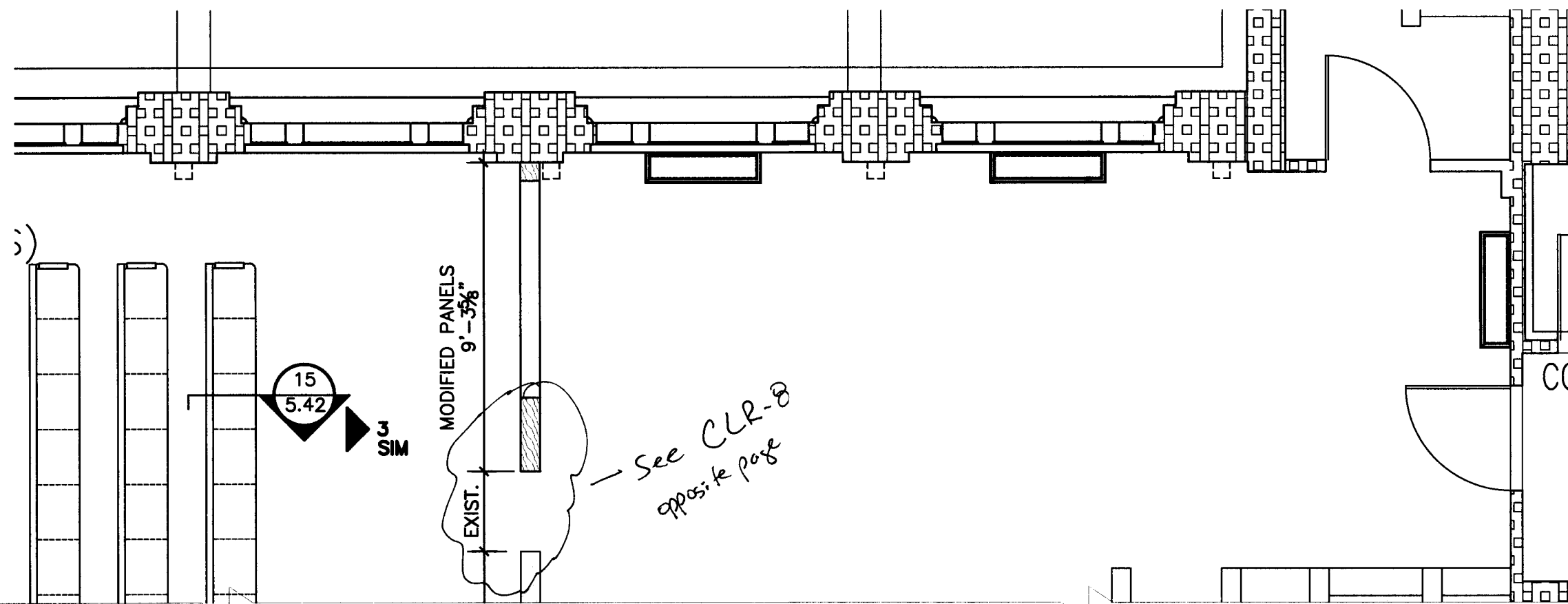


5 COURT ROOM 311 ORIGINAL JURY MILLWORK
SCALE: 1/4"=1'-0"

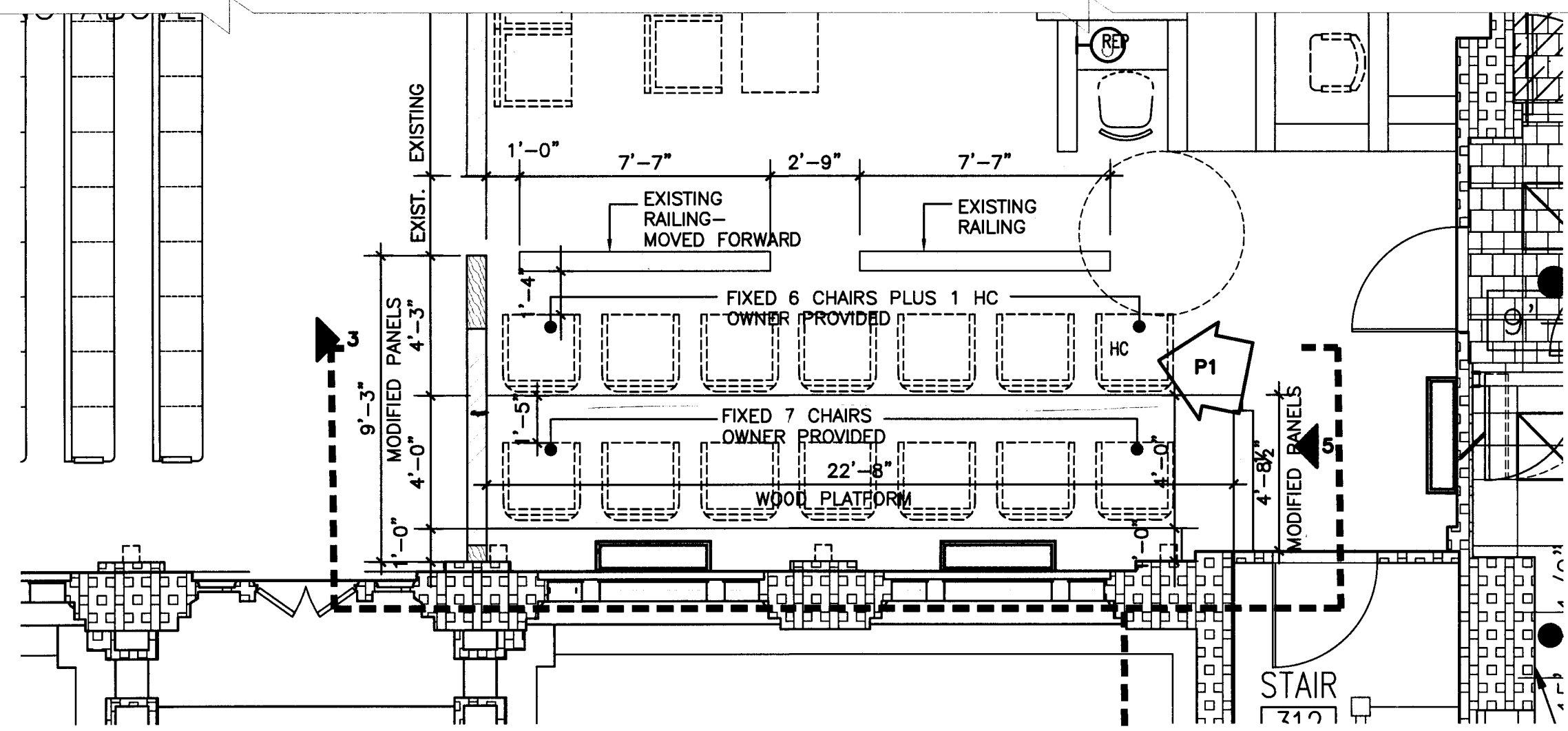


6 PLATFORM- COURT ROOM 311
SCALE: 1 1/2"=1'-0"

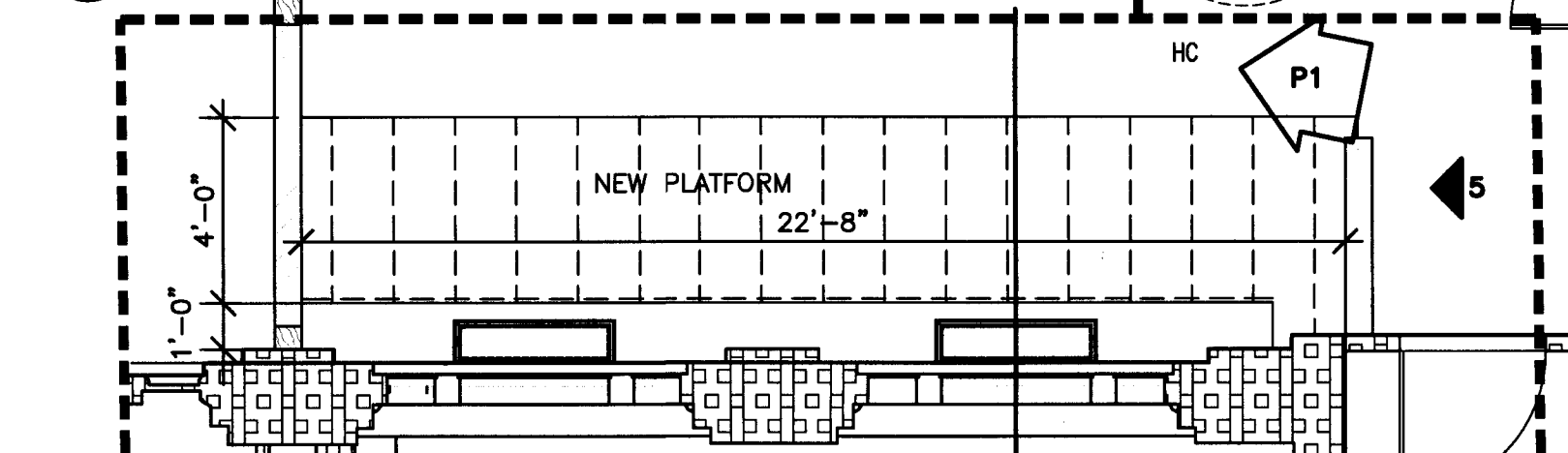
P1 EXISTING JURY MILLWORK COURT ROOM 311
NTS



2 RAILINGS- COURT ROOM 311
SCALE: 1/4"=1'-0"

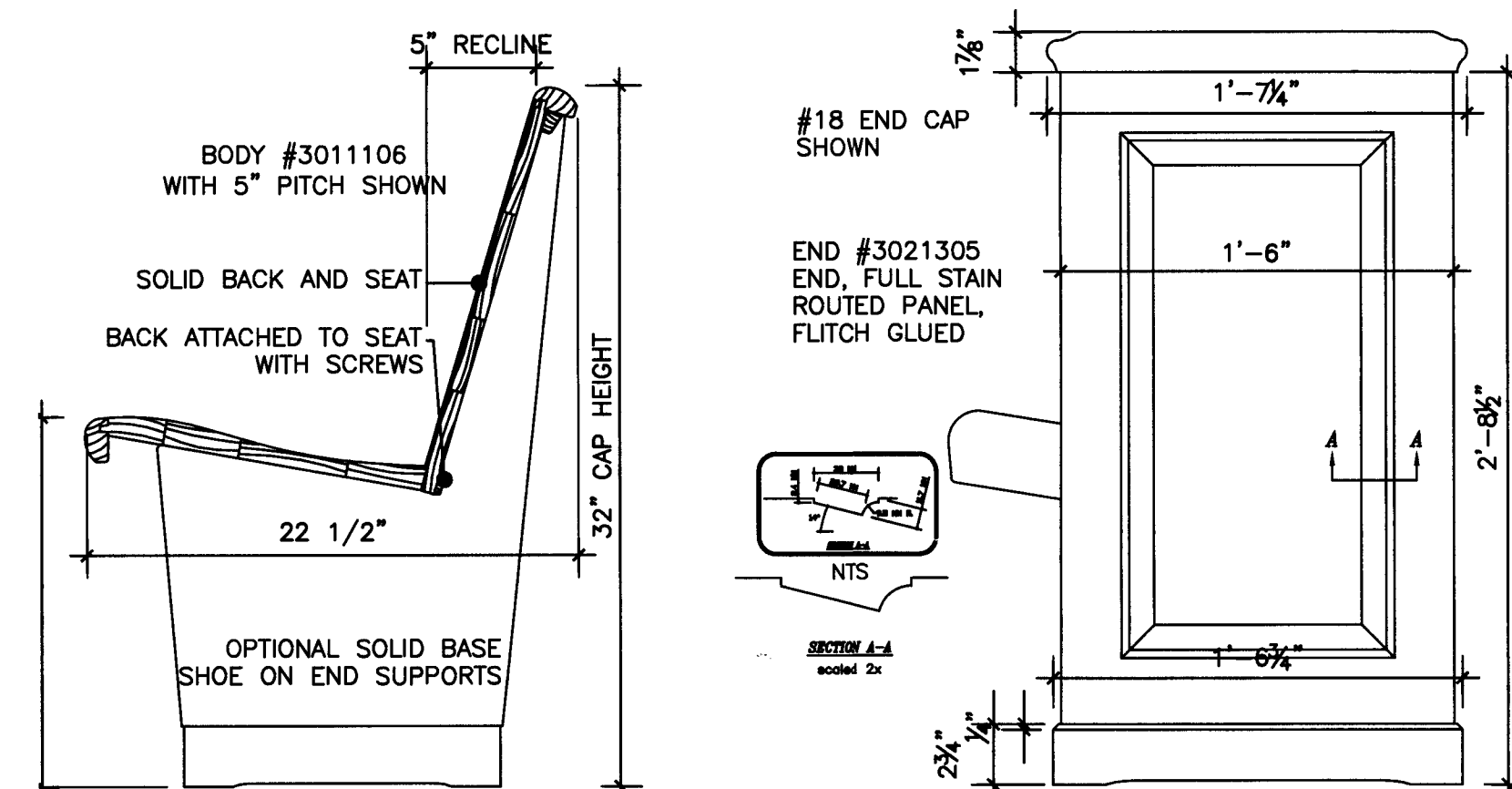


1 RAILINGS- COURT ROOM 311
SCALE: 1/4"=1'-0"

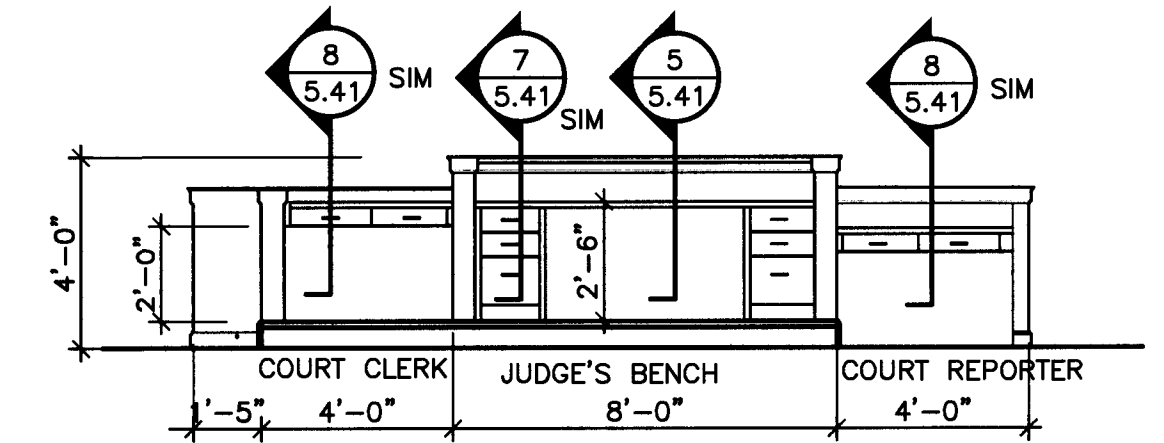


7 PLATFORM- COURT ROOM 311
SCALE: 1/4"=1'-0"

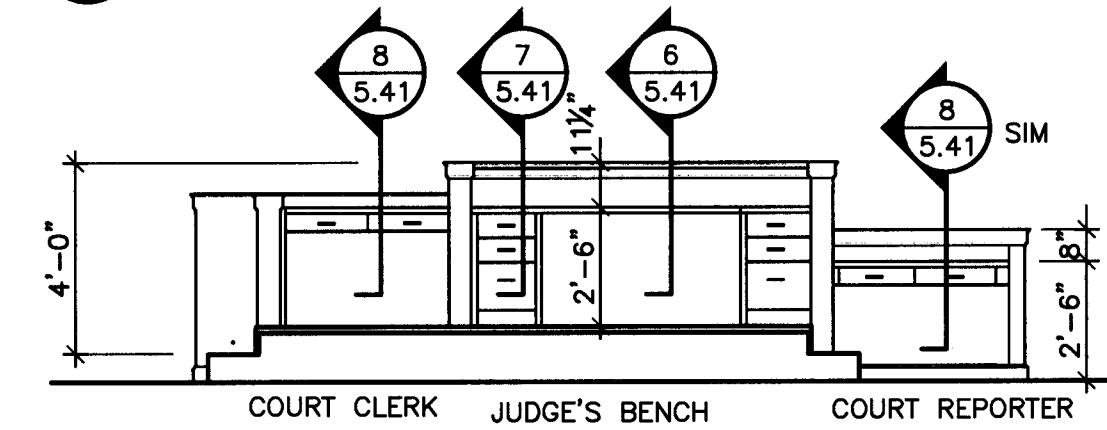
15 PEW DETAILS FOR COURT ROOMS 311, 106, AND 203
NTS



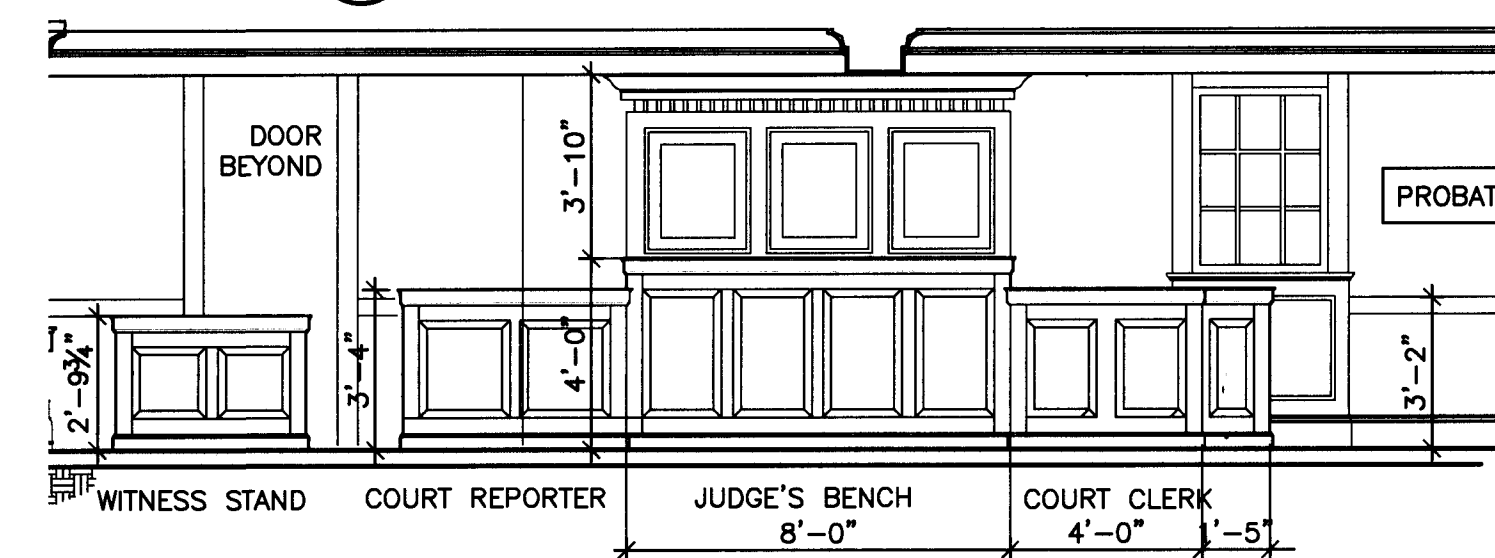
PROBATE 106 AND MASTER IN EQUITY 203



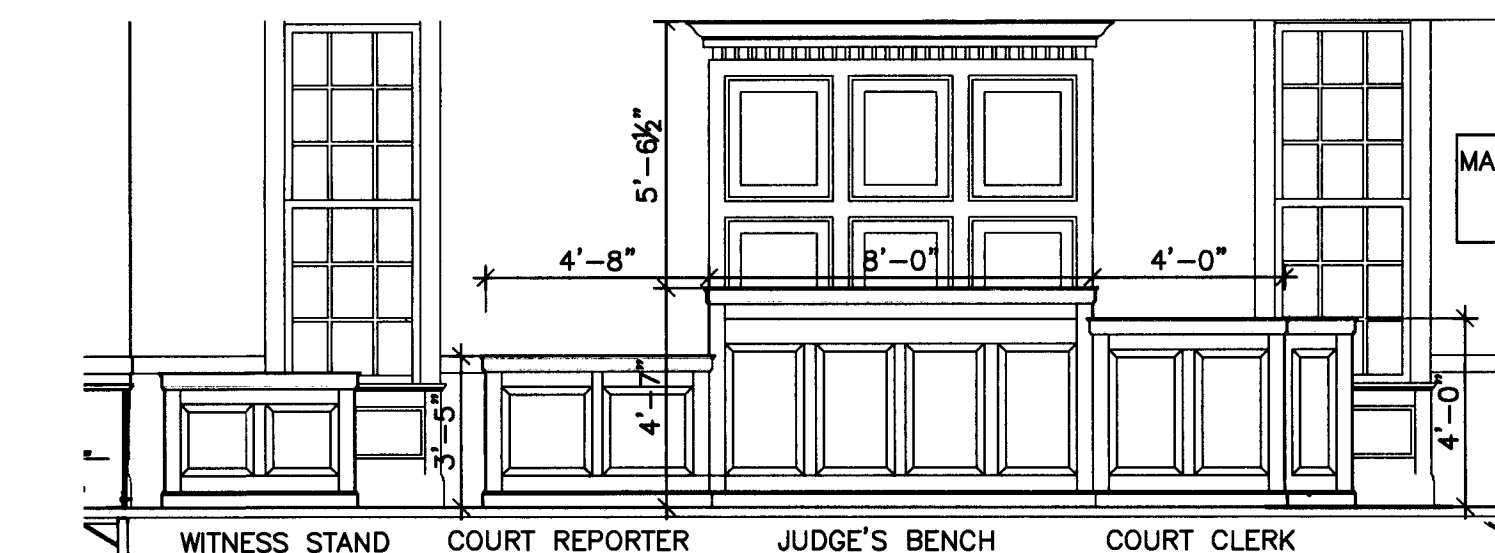
8 ELEVATION- JUDGES BENCH- PROBATE 106
SCALE: 1/4"=1'-0"



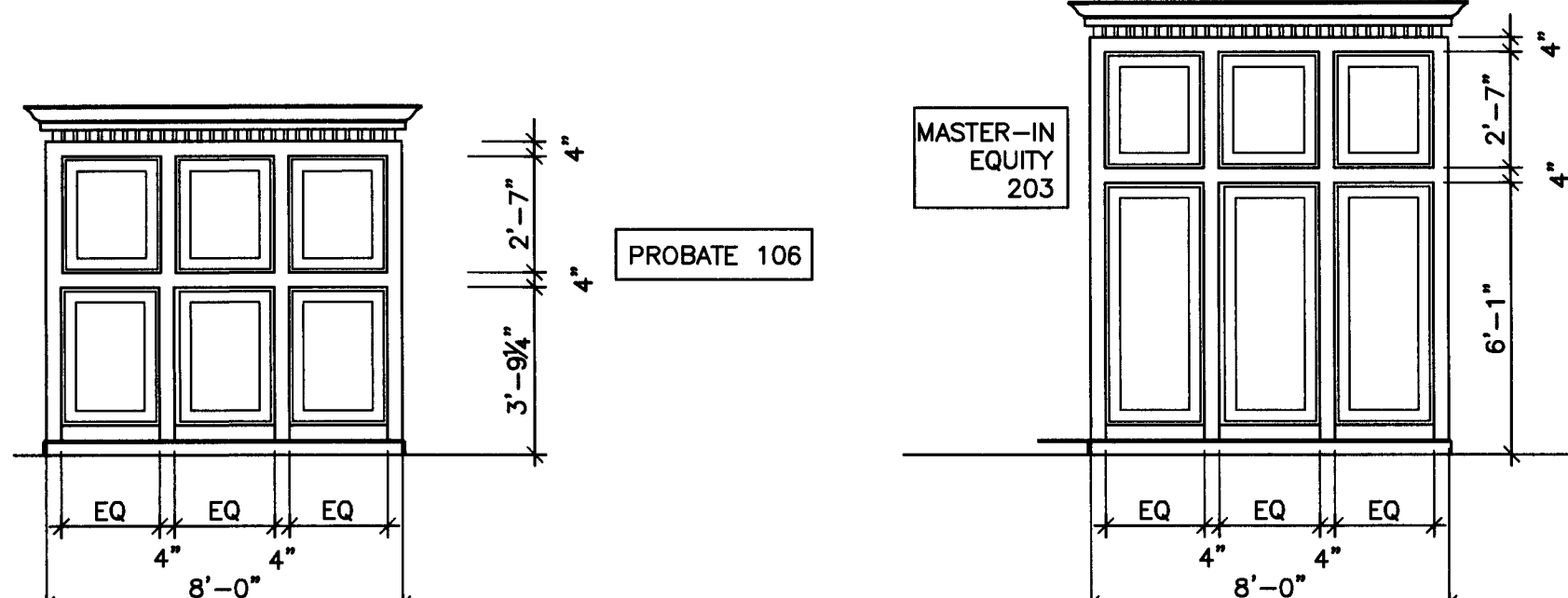
9 ELEVATION- JUDGES BENCH- MASTER IN EQUITY 203
SCALE: 1/4"=1'-0"



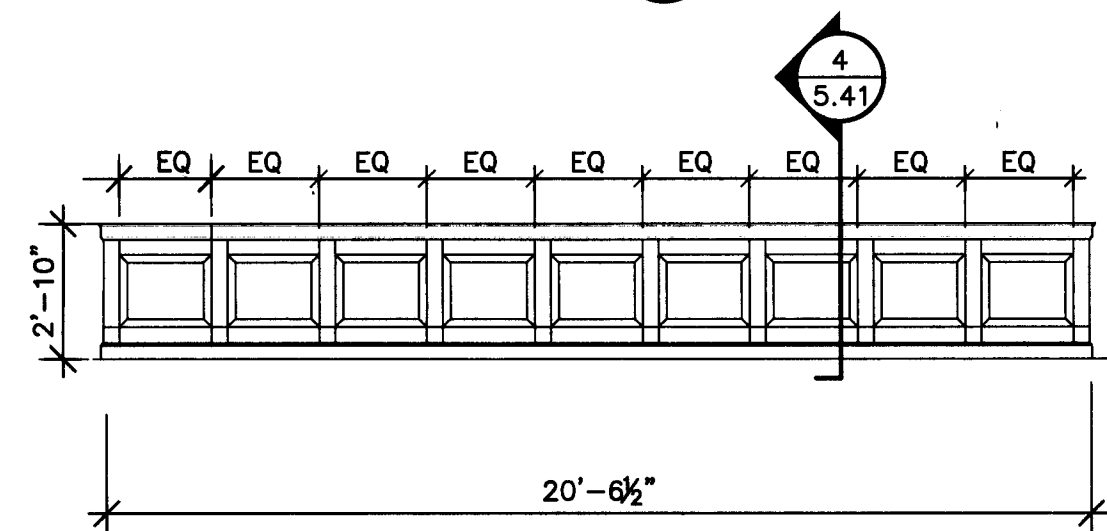
10 PROBATE JUDGE'S BENCH ELEVATION FRONT
SCALE: 1/4"=1'-0"



11 MASTER-IN-EQUITY JUDGE'S BENCH ELEVATION FRONT
SCALE: 1/4"=1'-0"



12 WALL PANEL BEHIND BENCH
SCALE: 1/4"=1'-0"



14 RAILING @ MASTER-IN-EQUITY AND PROBATE FRONT
SCALE: 1/4"=1'-0"

Project No.
1390

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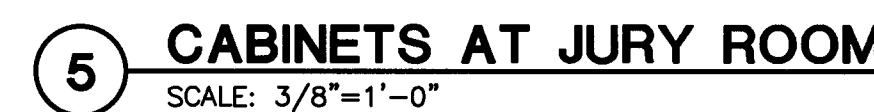
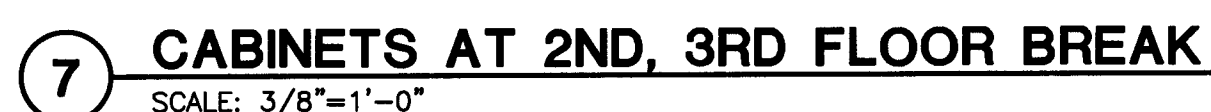
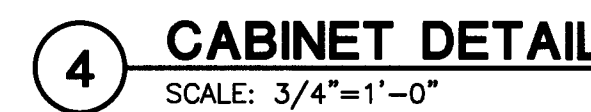
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1666
17-10-15

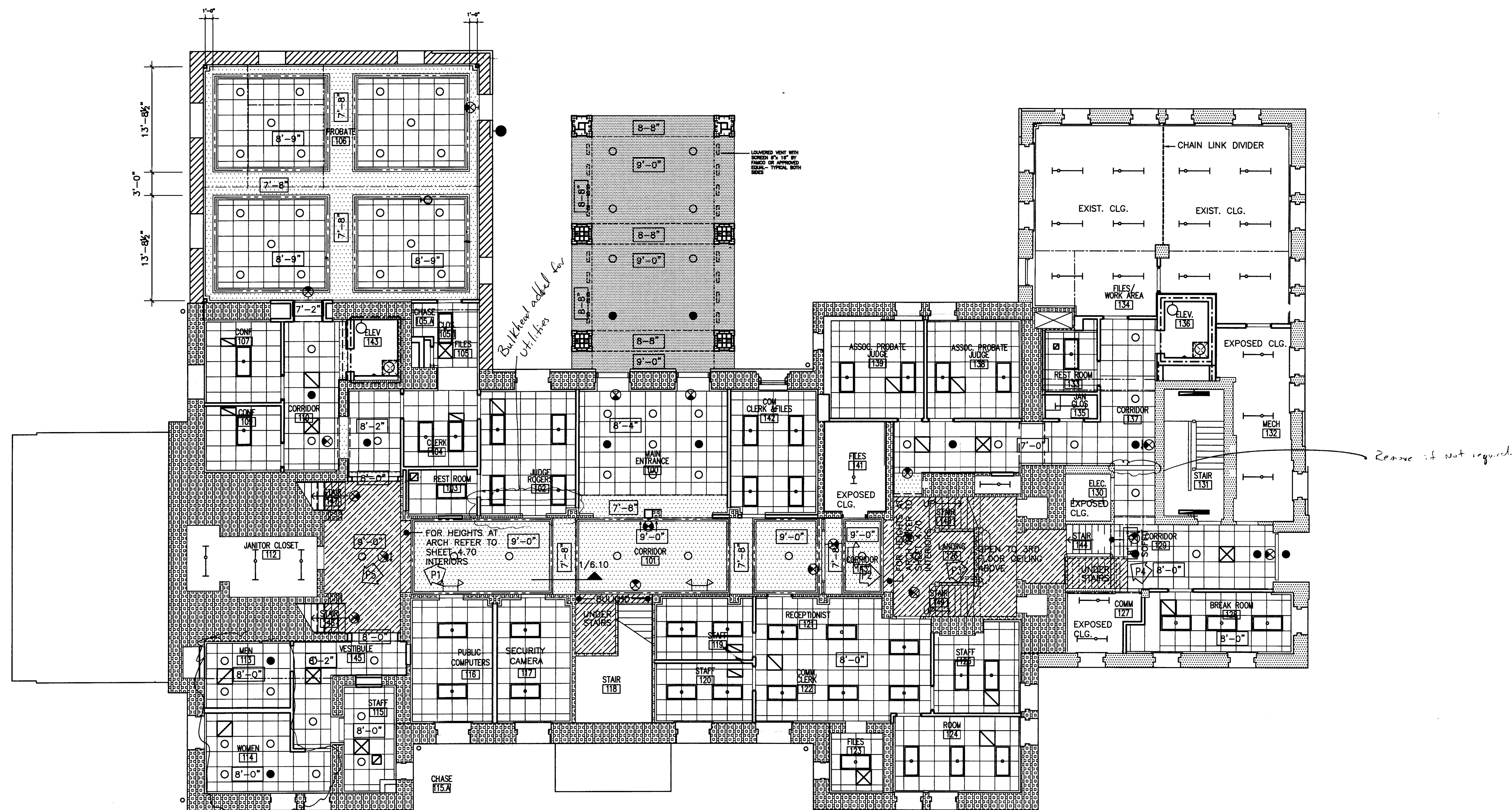
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
MILLWORK - COURTROOMS 106, 203, 311

sheet **5.42**

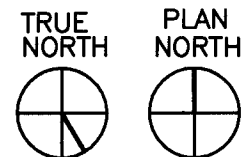


ITEM	TYPE	FINISH
HINGES	TYPE 1. 2 3/4", FIVE KNUCKLE, OVERLAY TYPE, HOSPITAL TIPPED, 0.090 THICK (AT ALL 3/4" DOORS, TYPICAL) TYPE 2. RCP 7036 OVERLAY (AT 1 3/8" DOORS, ONLY)	US 14 BRIGHT NICKEL FINISH
DOOR AND DRAWER PULLS	4" WIRE PULL W/ 1 1/8" PROJECTION & RADIUS CORNER	US 14 BRIGHT NICKEL FINISH
CABINET CATCHES	MAGNETIC TYPE W/ ADJUSTMENT	US 28
DRAWER SLIDES	CABINET MANUFACTURERS STANDARD EQUAL TO BLUM - BS430E (SELF-CLOSING) FOR FILE DRAWERS & BS230M FOR ALL OTHER DRAWERS	CREAM EPOXY COATED STEEL
CABINET DOOR & DRAWER LOCKS	5-DISC TUMBLER CAM TYPE	US 14 BRIGHT NICKEL FINISH
ADJUSTABLE SUPPORTS	HEAVY DUTY NYLON CLIPS W/ PREDRILLED HOLES @ 1 1/2" APART. PROVIDE CLIPS W/ 2-PIN ENGAGEMENT.	NYLON

FIRST LEVEL REFLECTED CEILING PLAN



7'6" RCP Due to Utilities (Plumbing & Mechanical)



1 FIRST LEVEL REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

ALL CEILING HEIGHTS 8'-0" UNO CONTRACTOR TO VERIFY ALL EXISTING CEILING HEIGHTS

FOR ACTUAL HVAC LAYOUT, CO/ORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH MEP.

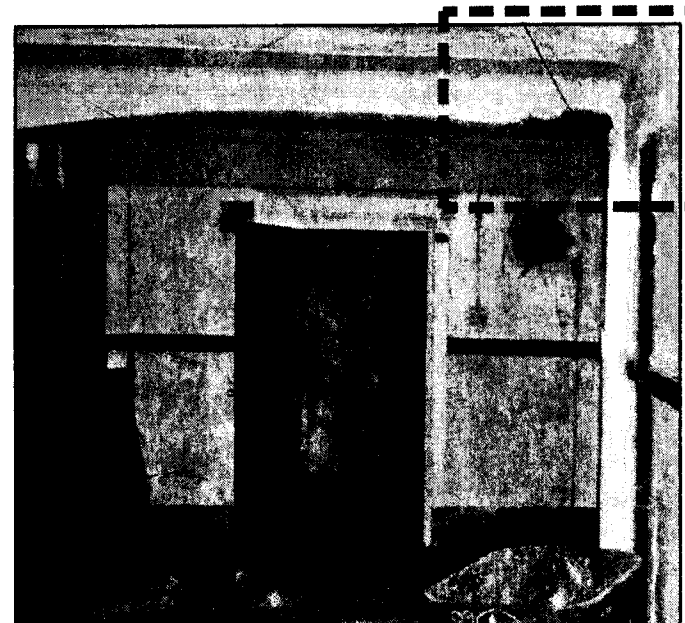
GENERAL NOTES

- 1) PROVIDE 3" SOUND ATTENUATION BATT. AROUND PERIMETER OF ALL TOILETS - 2'-0" WIDE ON OUTSIDE OF EACH WALL.
- 2) GENERAL CONTRACTOR SHALL COORDINATE THE INSTALLATION AND PROPER LOCATION OF ALL HVAC GRILLES AND LIGHTING. CEILING GRID MAY BE SUBJECT TO CHANGE TO ASSURE PROPER CENTERING AND PLACEMENT OF LIGHTS IN ROOMS.
- 3) NO CEILING TILES ARE TO BE LESS THAN 6" IN EITHER DIRECTION, UNLESS DIRECTED BY THE ARCHITECT.
- 4) PROVIDE VINYL COATED LAY-IN CEILING IN DAMP AREAS THAT RECEIVE LAY-IN CEILING TILE.
- 5) REFER TO 6.11 FOR BULKHEAD AND SOFFIT CONDITIONS AT WINDOWS

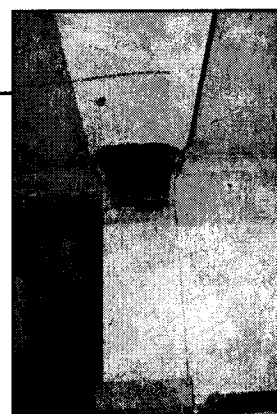
LEGEND

- 2'-0"x2'-0" LAY-IN ACOUSTICAL TILE CEILING
- LIGHTS BY ELECT. CONTR.(SEE ELEC. PLANS)
- CROSS TEES @ 2'-0" O.C.
- MAIN BEAM @ 4'-0" O.C.
- GRILLES BY MECH. CONTR.(SEE MECH. PLANS)
- SUPPLY AIR GRILLE BY MECH. CONTR.
- RETURN AIR GRILLE BY MECH. CONTR.
- STRIP DIFFUSER BY MECH. CONTR.
- VENTILATION AIR GRILLE BY GEN. CONTR.
- PREFIN. ALUM. VENTED SOFFIT
- FLOURESCENT LIGHT STRIP BY ELECT. CONTR.
- FLOURESCENT LIGHT STRIP BY ELECT. CONTR.
- WALL MOUNTED LIGHT BY ELECT. CONTR. (SEE ELEC. PLANS)
- PENDANT LIGHT FIXTURE (SEE ELEC PLANS)
- CEILING MOUNTED EMERGENCY LIGHTS
- EXIT LIGHT WITH DIRECTION INDICATOR
- CEILING MOUNTED EXIT LIGHT
- LIGHT BY ELECT. CONTR. (SEE ELEC. PLANS)
- SOFFIT VENTS
- 1 X 4 RECESSED FLUORESCENT LIGHTS
- 1 X 4 CEILING MOUNTED FLUORESCENT LIGHTS
- EXPOSED STRUCTURE
- GYPSUM BOARD CEILING PAINTED
- REFURBISHED PLASTER CEILING:
REMOVE ANY EXISTING PAINT, PATCH HOLES, REPAIR CRACKS, REPAIR OR REMOVE LOOSE PLASTER, SKIM COAT AS NEEDED AND PAINT.
REFER TO INTERIOR PAINT REMOVAL NOTES ON 4.40, HISTORICAL TREATMENT PROCEDURE ON 4.39 AND COURTROOM RESTORATION NOTES ON 4.37, ALSO REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 2'-0" X 2'-0" LAY IN CEILING.
ACOUSTICAL CEILING PANELS TO BE NODULAR, MINERAL BASE WITH PAINTED FINISH ACOUSTICAL PANELS.
MARS CLIMA PLUS BY USC OR APPROVED EQUAL.
TYPE IV, PATTERN EG WITH A SQUARE EDGE. 7/8" THICK PANEL. PANEL SIZE 2 FT X 2 FT.
- METAL SUSPENSION SYSTEM TO BE DONN BRAND CENTRICITEE DXT 8" WITH INTERMEDIATE DUTY MAIN TEES
FLAT WHITE 050
- STUCCO CEILING AT CANOPY
- TRIM IN CORRIDOR AND COURT ROOM
REFER TO SECTION BELOW

P1 DETAIL
NTS



P2 DETAIL
NTS

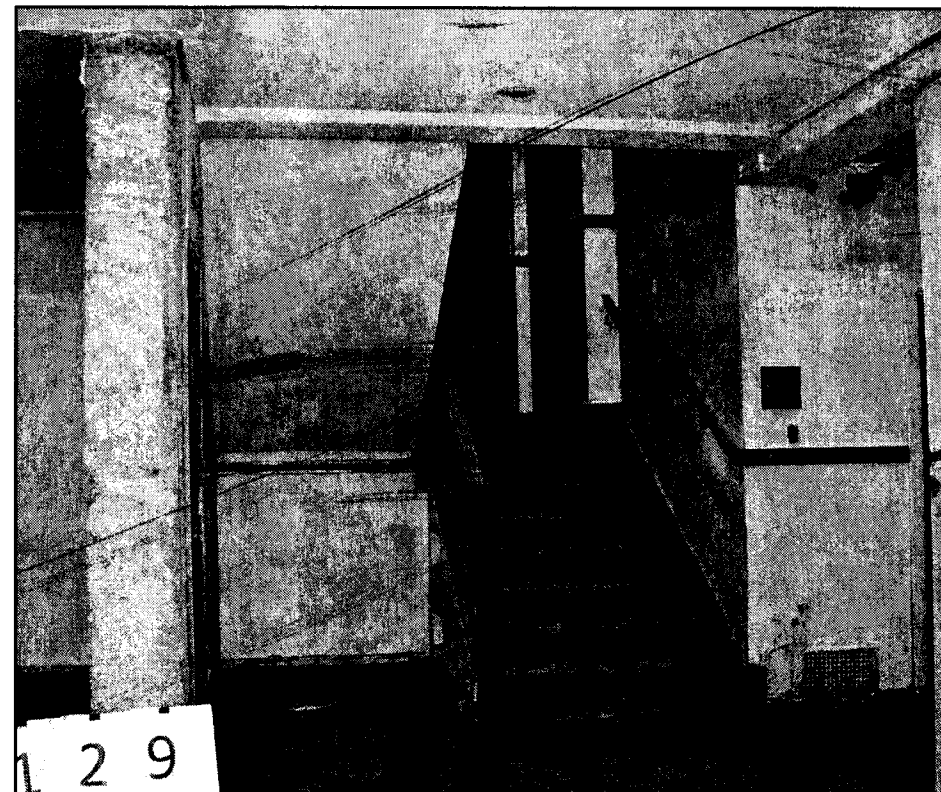


REFER TO INTERIOR ELEVATIONS 4.70

P3 DETAIL
NTS



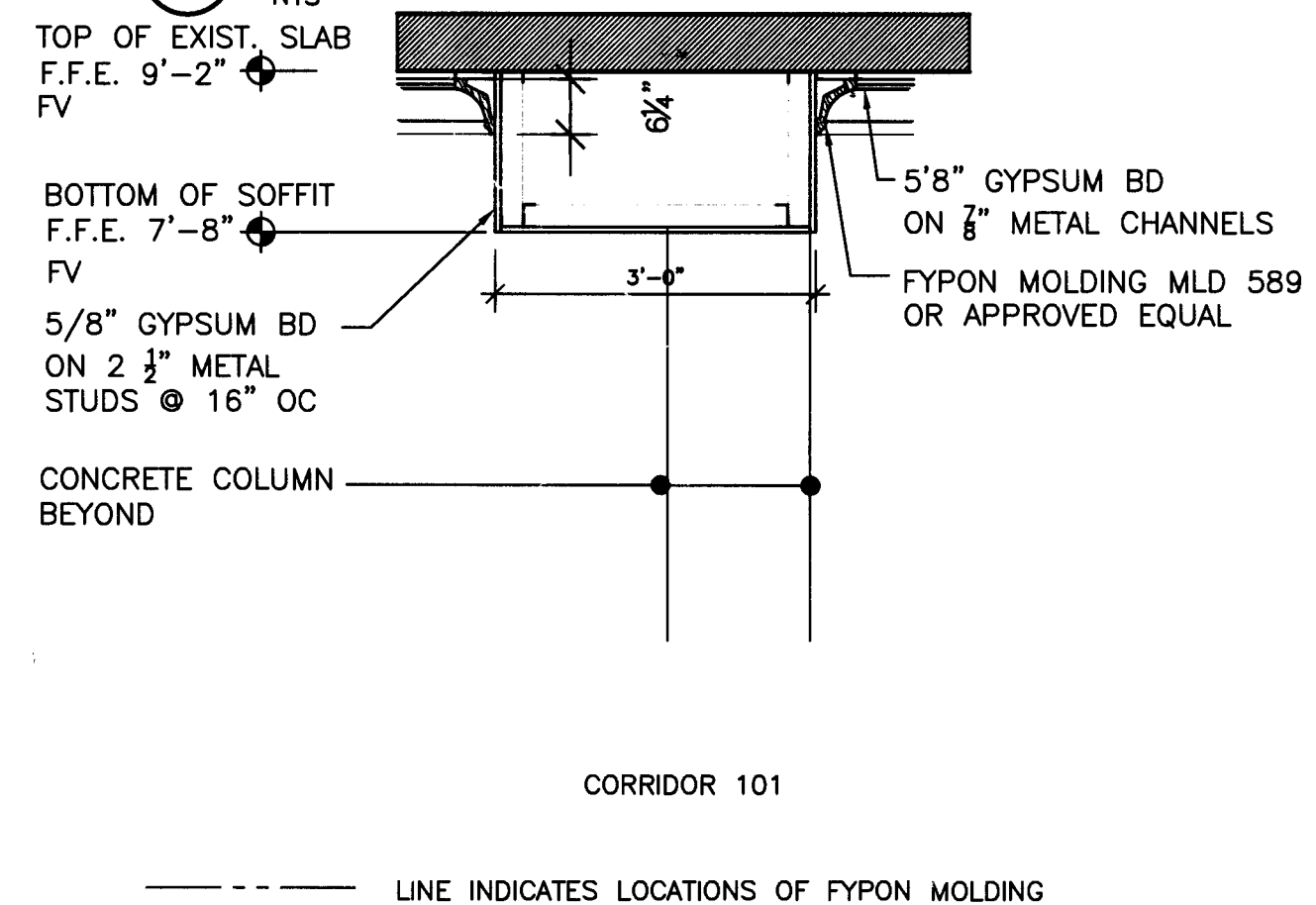
P4 DETAIL
NTS



P5 DETAIL
NTS



1 SECTION
NTS

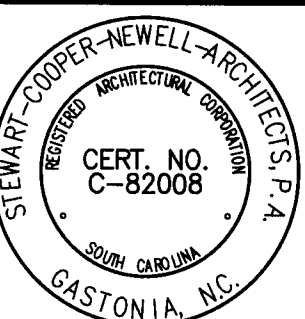


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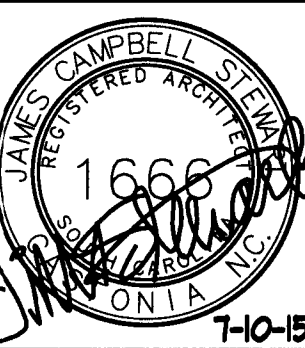
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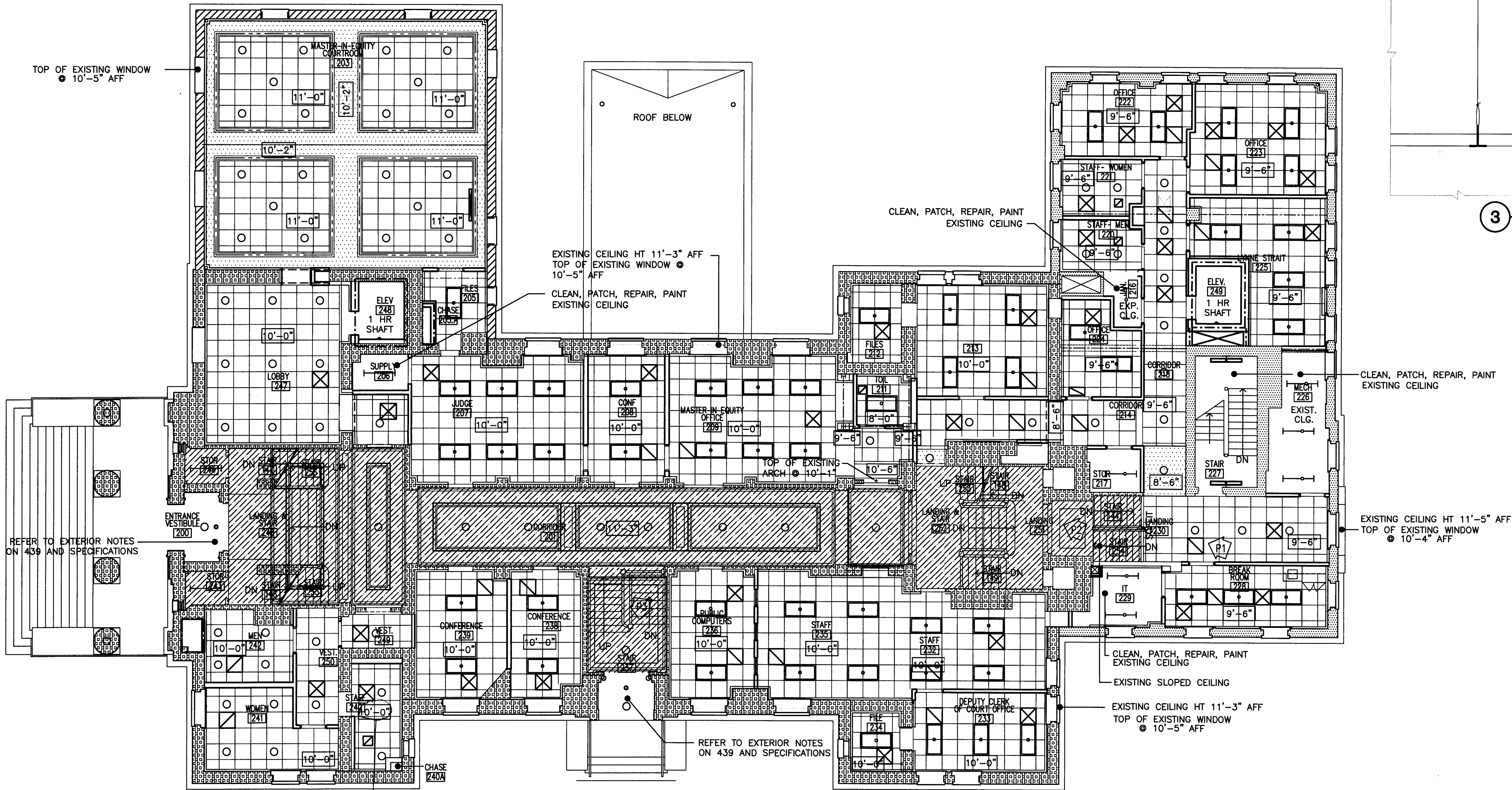


RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
FIRST LEVEL REFLECTED CEILING PLAN

sheet 6.10

SECOND LEVEL REFLECTED CEILING PLAN

SCALE AS NOTED



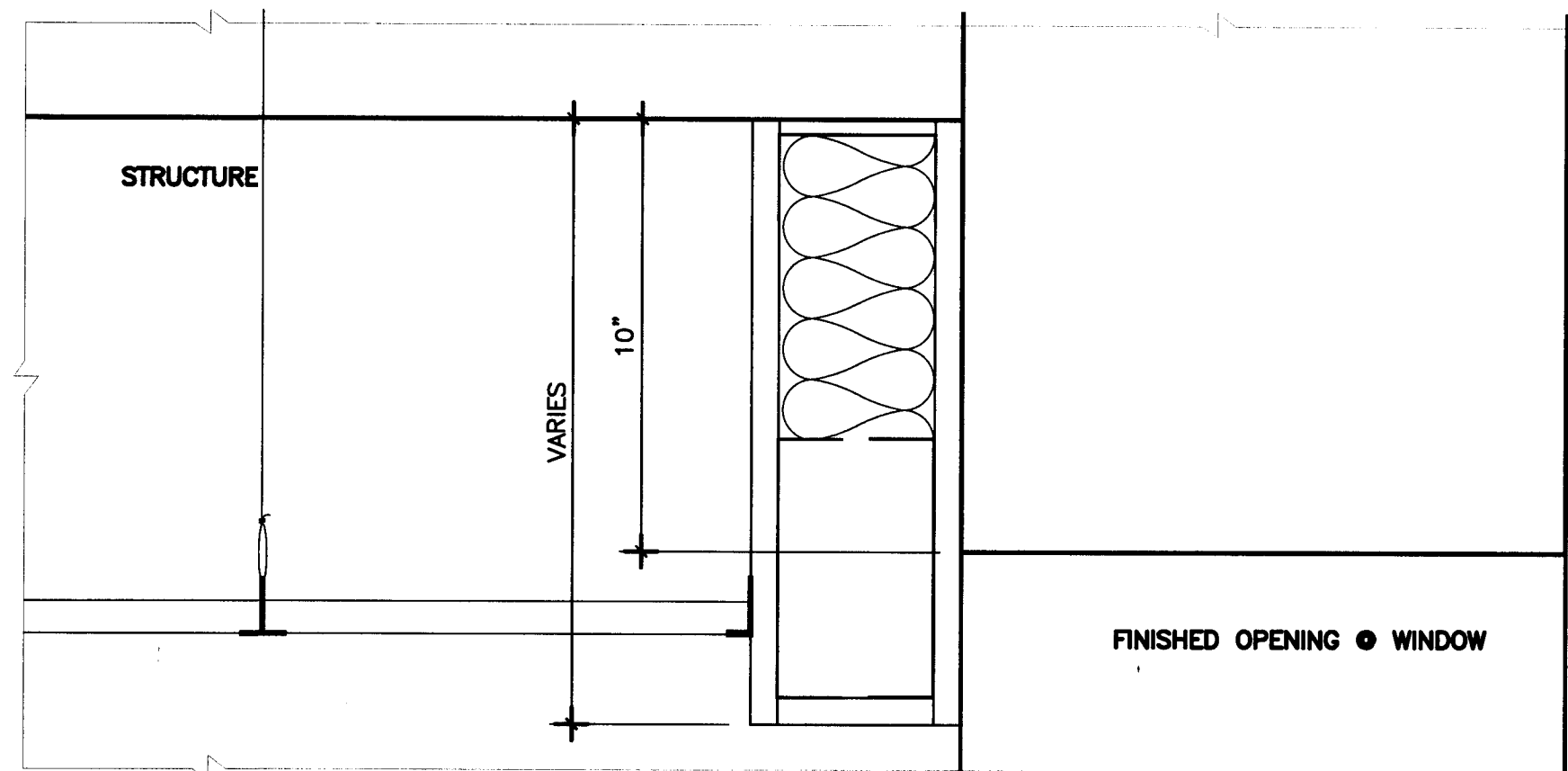
1 SECOND LEVEL RELECTED CEILING PLAN
SCALE: 1/8"=1'-0"

P3 DETAIL
NTS

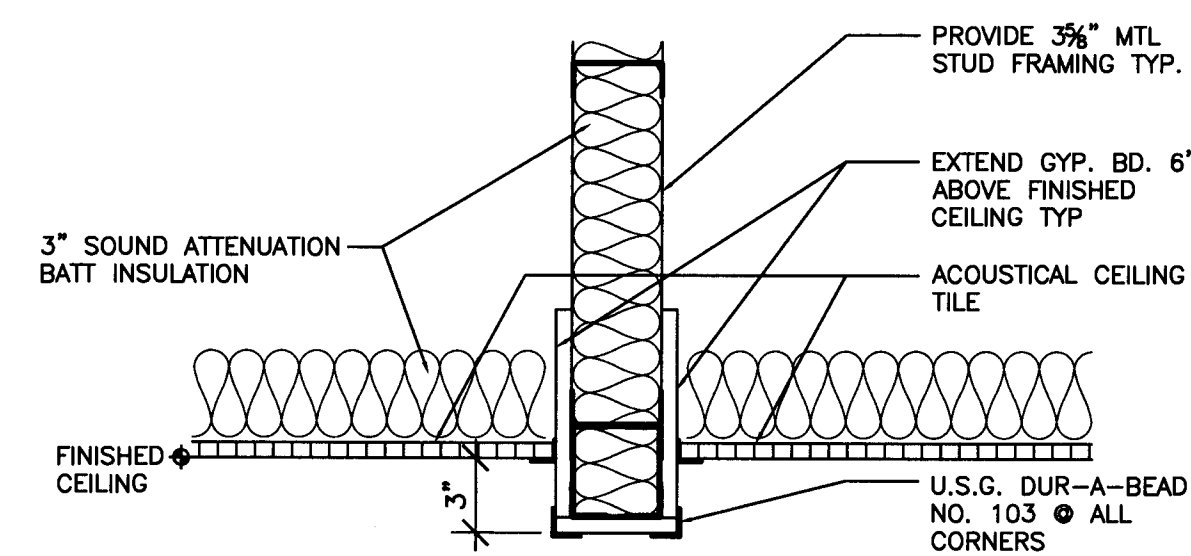
P2 DETAIL
NTS

P1 DETAIL
NTS

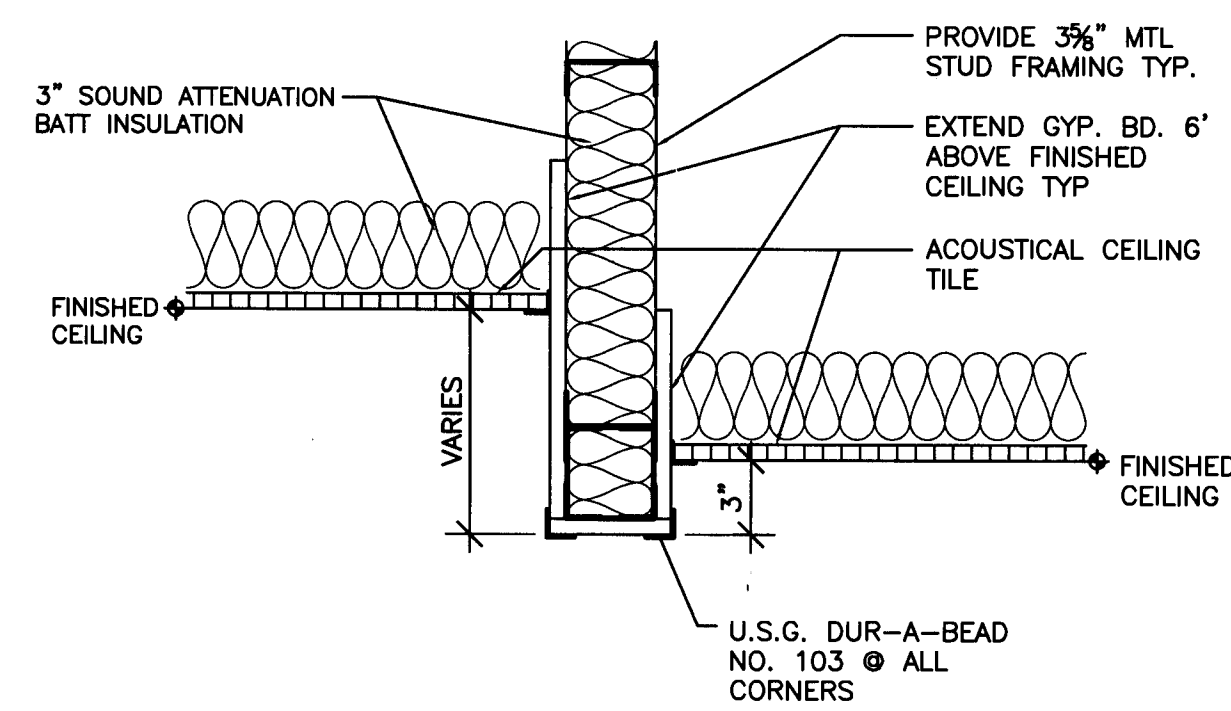
FOR ACTUAL HVAC LAYOUT, CO/ORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH MEP.



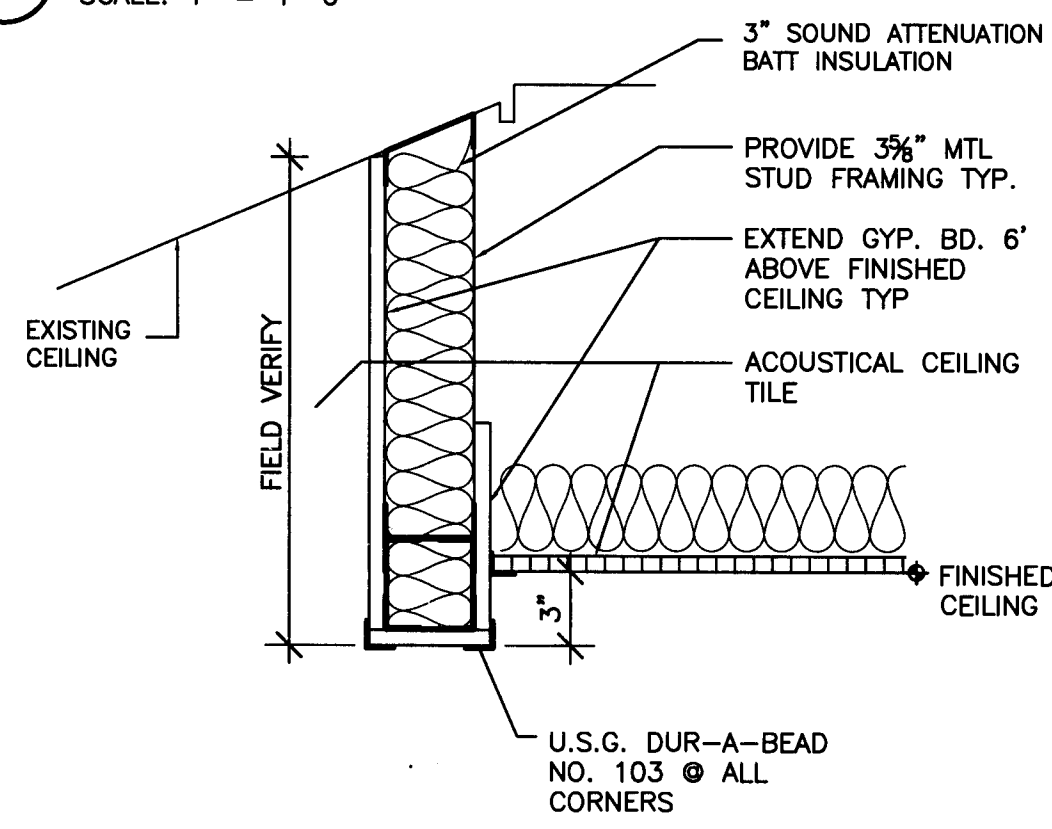
3 LAYIN CEILING DETAIL
SCALE: 1"=1'-0"



2 TYPICAL BULKHEAD
SCALE: 1"=1'-0"

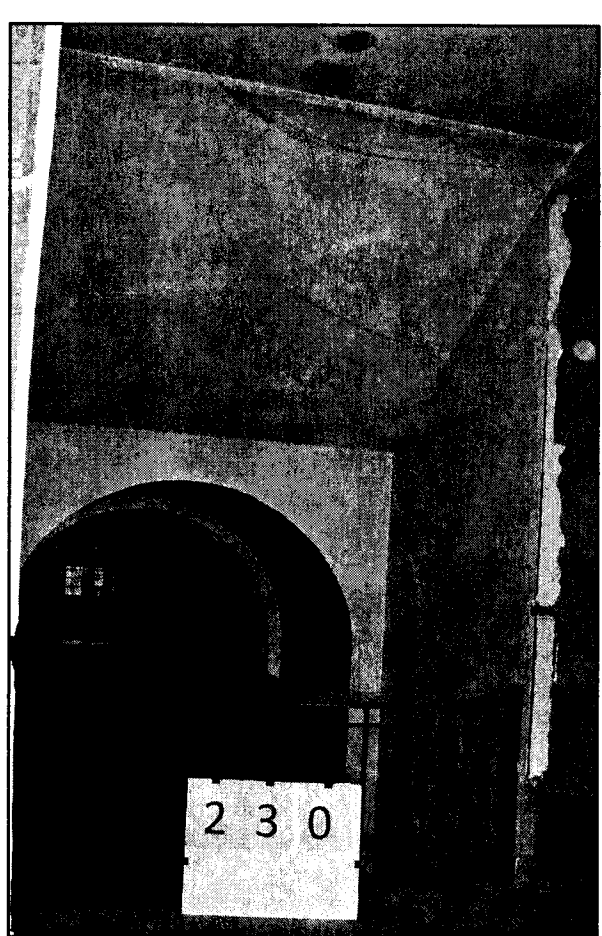
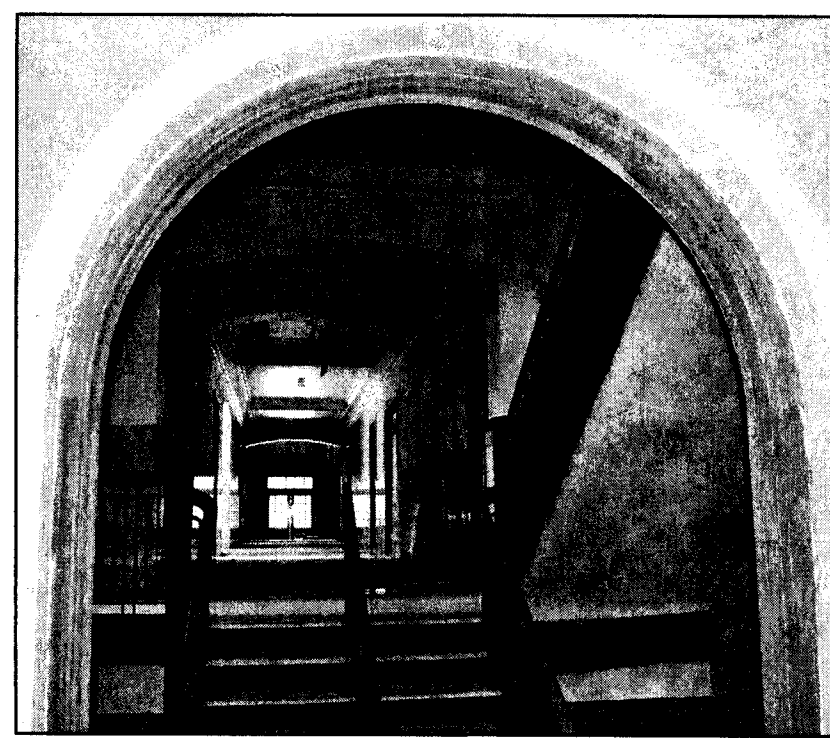
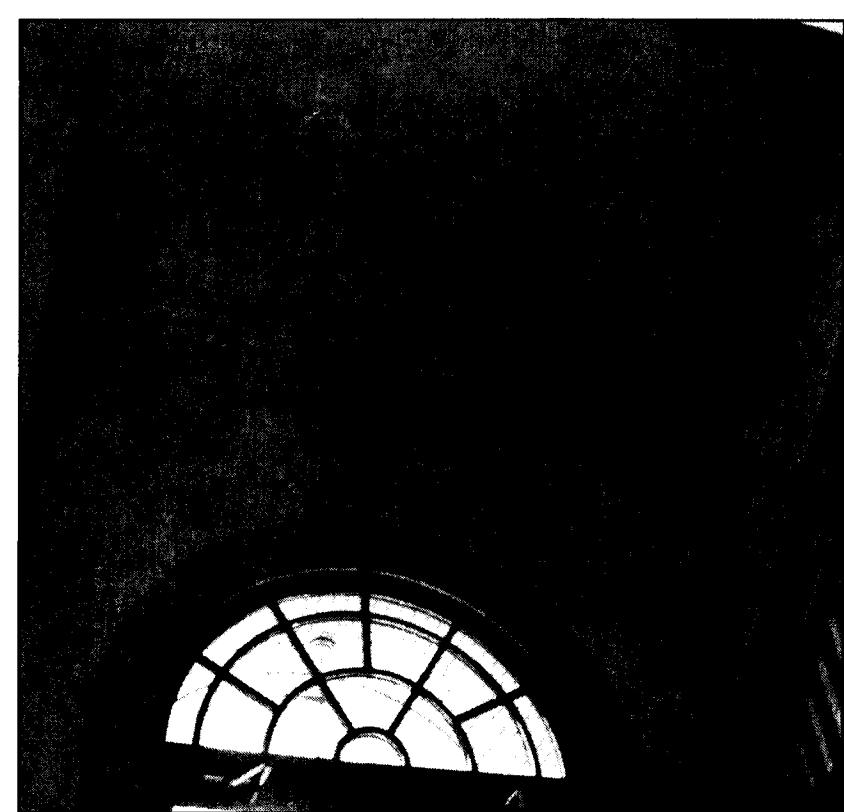


4 TYPICAL BULKHEAD
SCALE: 1"=1'-0"



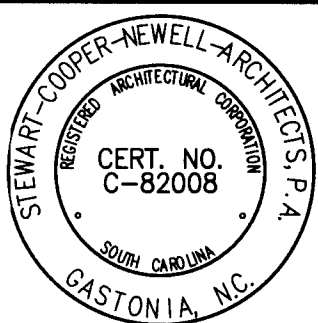
5 BULKHEAD @ LANDING 230
SCALE: 1"=1'-0"

LINE INDICATES LOCATIONS OF FYPON MOLDING



Project No.
1390
Date
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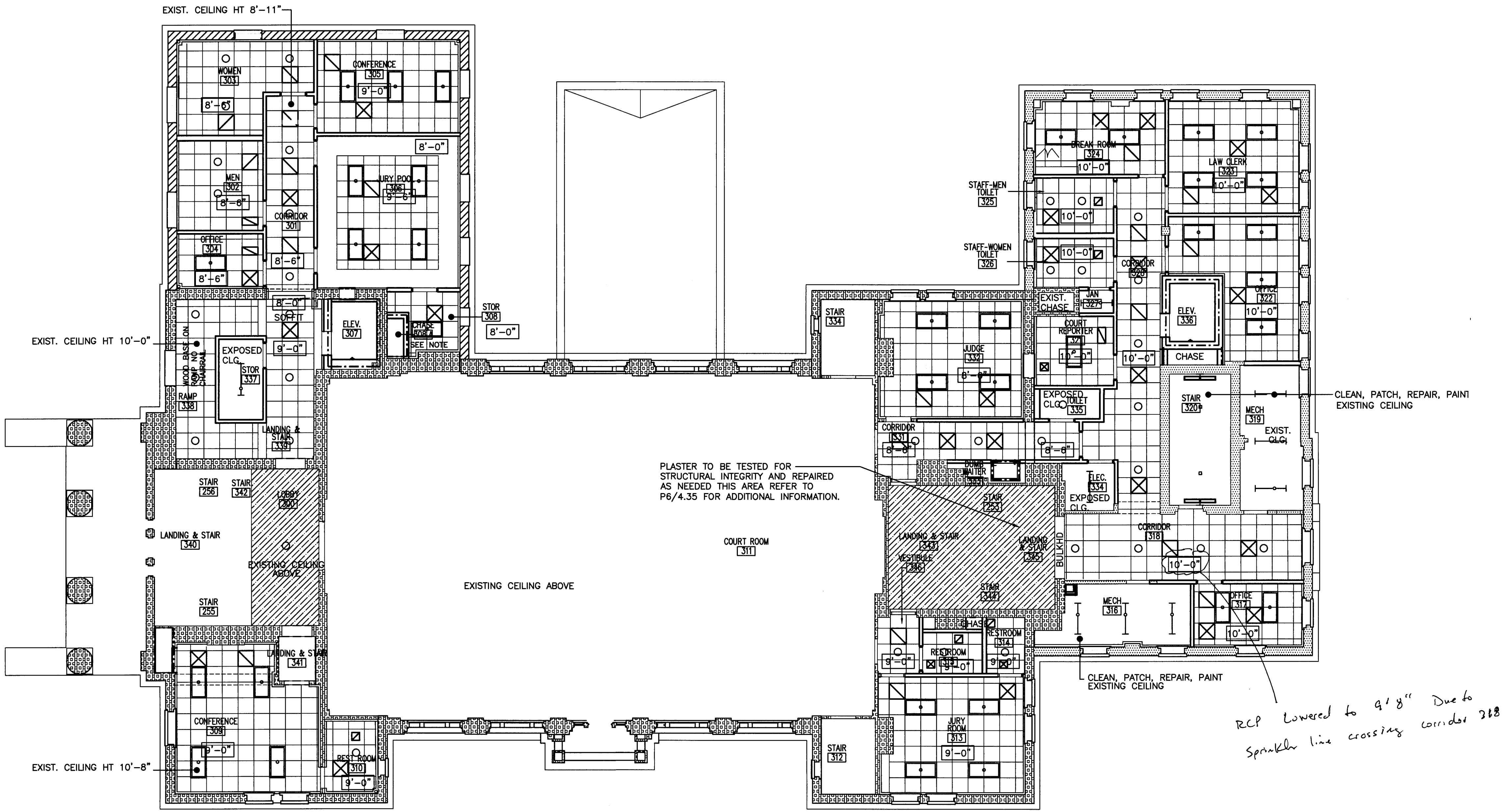


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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
SECOND LEVEL REFLECTED CEILING PLAN



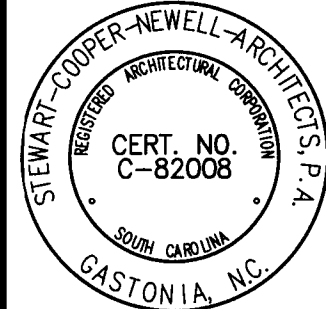
TRUE NORTH PLAN NORTH
1 THIRD LEVEL REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"
ALL CEILING HEIGHTS 8'-0" UNO
CONTRACTOR TO VERIFY ALL EXISTING CEILING HEIGHTS

FOR ACTUAL HVAC LAYOUT,
COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS
WITH MEP.

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Revisions

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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
THIRD LEVEL REFLECTED CEILING PLAN

SCALE AS NOTED

390

JCS

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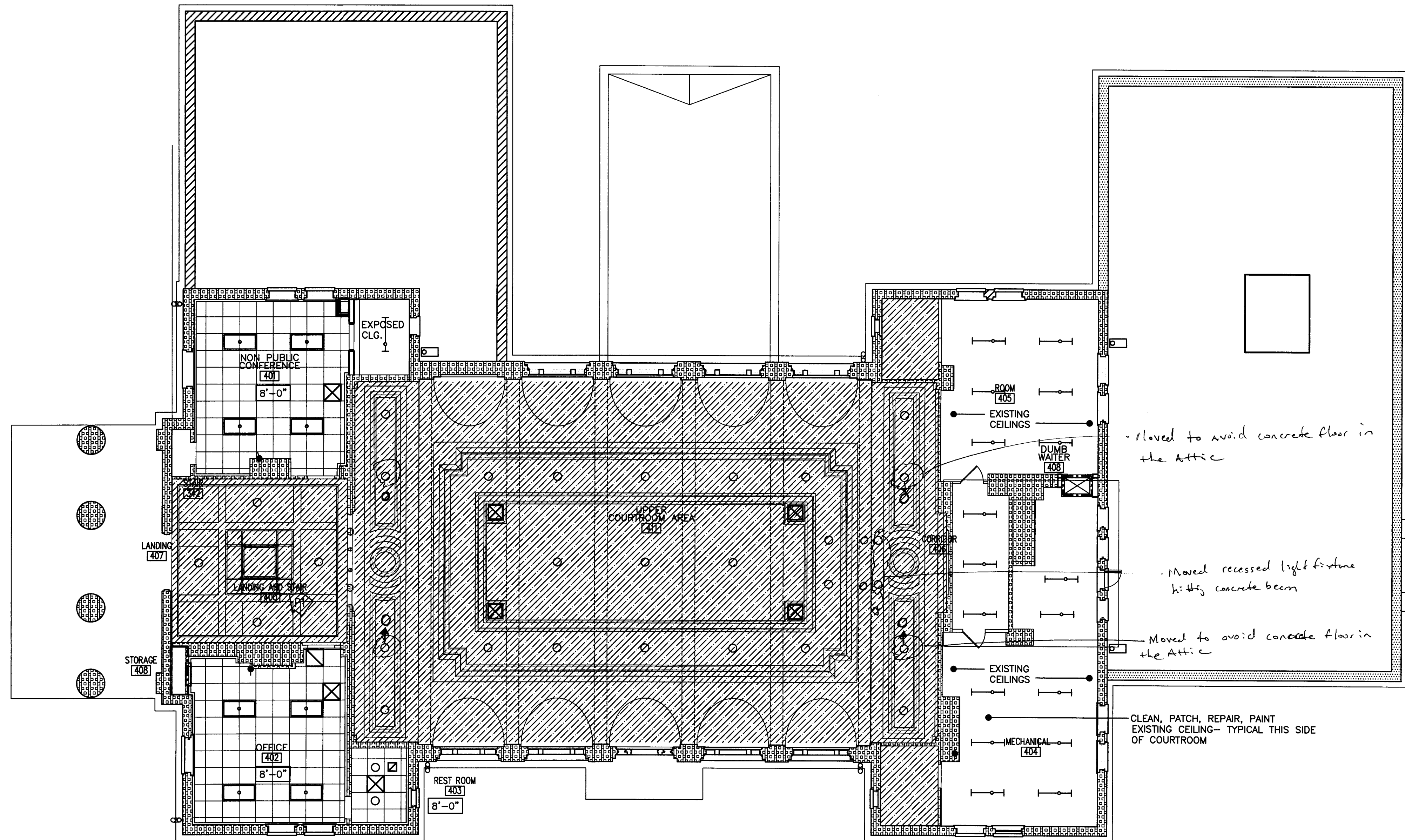
www.scm



YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

FOURTH FLOOR REFLECTED CEILING PLAN

heet 6.13



TRUE NORTH PLAN NORTH

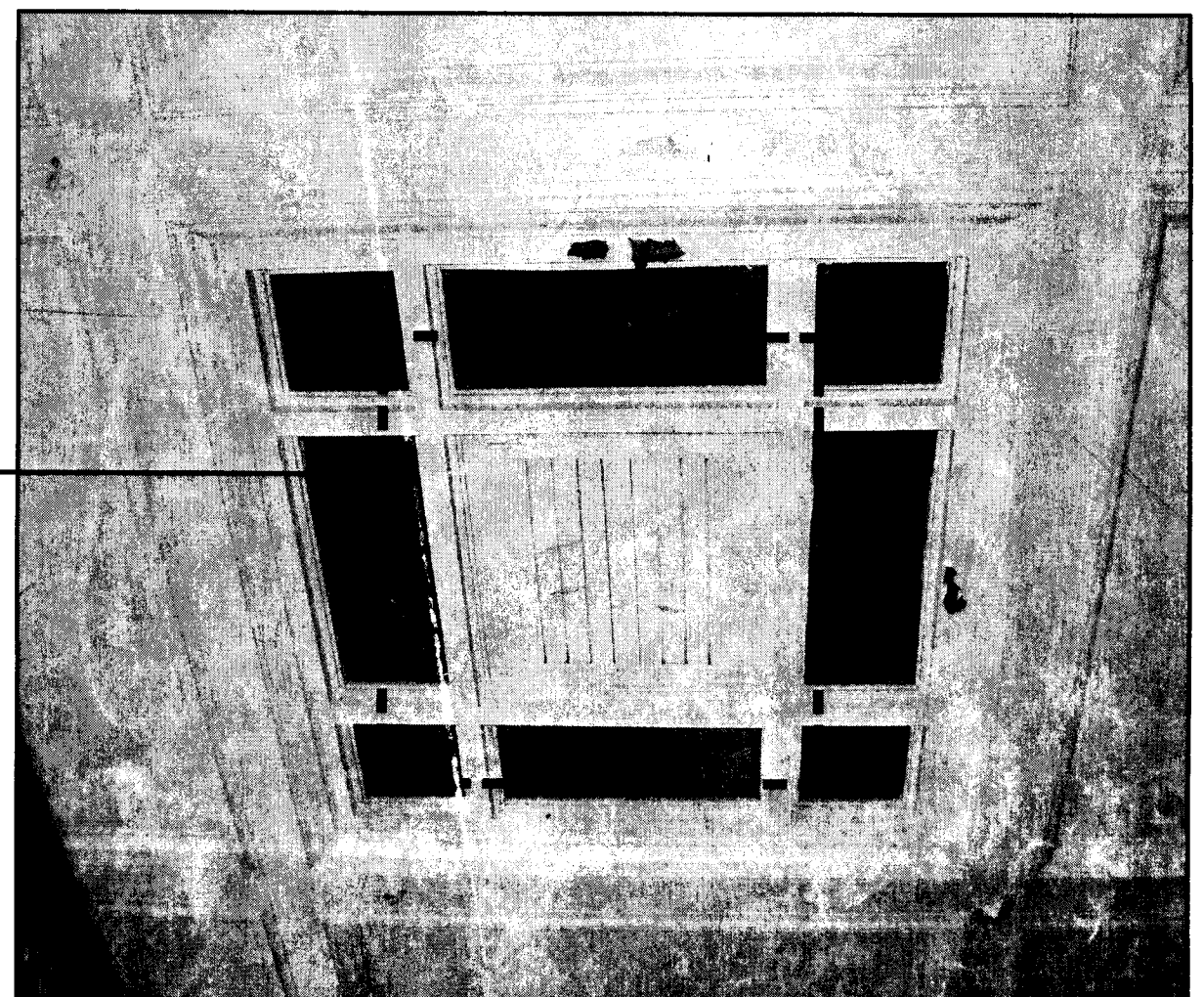
4 FOURTH FLOOR REFLECTED CEILING PLAN

SCALE: 1/8"=1'-0'

FOR ACTUAL HVAC LAYOUT,
CO/ORDINATE ARCHITECTURAL REFLECTED CEILING PLANS
WITH MEP.

P1 **DETAIL**
NTS

AT LANDING 400
REPLACE EXISTING LOUVER WITH
TEMPERED FROSTED GLASS TO MATCH
EXISTING. CLEAN EXISTING GLAZING.
REFER TO ELECTRICAL



REQUEST FOR INFORMATION

RFI #23
1 of 2
LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 6/16/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

Please provide restroom ceramic wall tile elevations showing tile placement of the different wall tile colors.

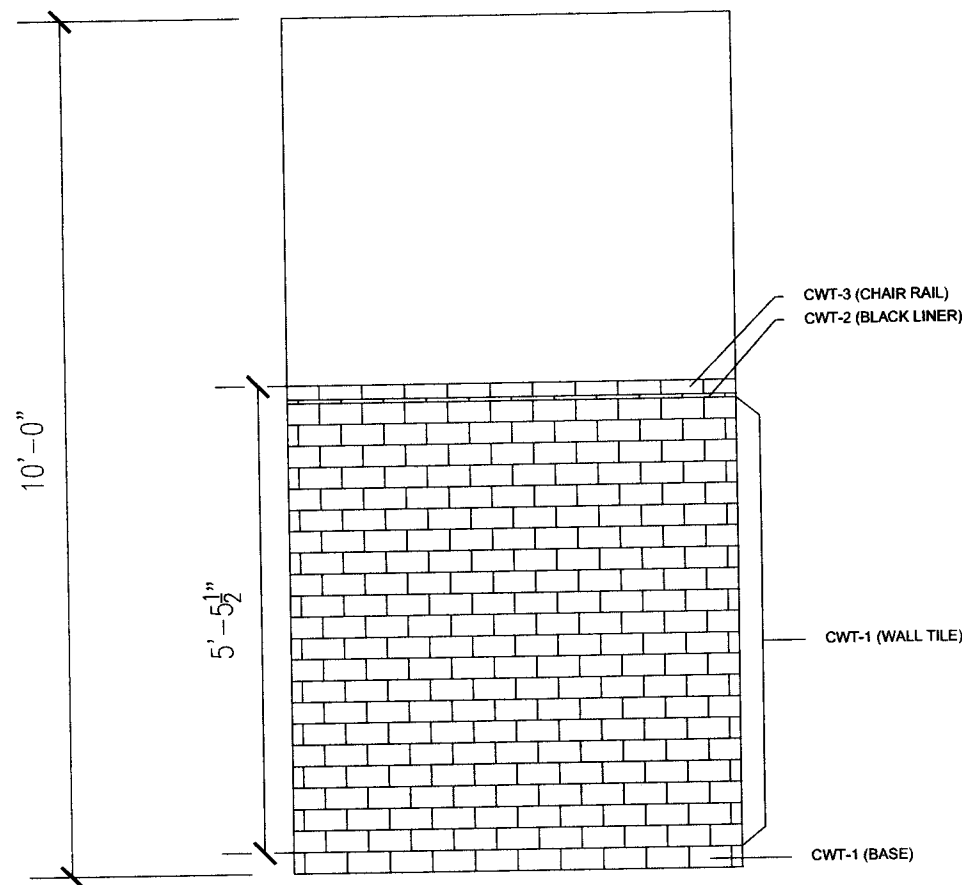
Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 6/16/16

Response:

See attached sketch from CGD architects

Recommended By (Name) Andrea Kuhfuss Company: CGD Date: 06.20.16

RFI #23
2 of 2



Kirk Broom

From: Stewart, Jim <jstewart@scn-architects.com>
Sent: Thursday, June 02, 2016 12:55 PM
To: Jamie McDermott; Melton, Gloria
Cc: Kirk Broom; Harvey Henry; Greg Mullis (gmullis@hinsonelectricinc.com)
Subject: RE: York County Courthouse Light fixtures

Importance: High

Jamie – The marble sample I have chosen is White Cherokee.

On the quarry tile --- have Richard clean the tile at the fireplace on the 4th floor on the Liberty Street side behind the courtroom and select the tile and grout that matches. I hope you have another set of samples to select from. If not, I will bring these back to you. I have samples of the carpets for the attorneys space in the courtroom. I will bring those for Wednesdays meeting. I will be there. I know that very few people will be there. Thanks, Jim

James C. Stewart, AIA, NCARB
Principal

Stewart Cooper Newell
Architects

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From: Jamie McDermott [mailto:jamiem@leitnerconstructionco.com]
Sent: Thursday, June 2, 2016 11:14 AM
To: Melton, Gloria <gmelton@scn-architects.com>; Kirk Broom <kbroom@ccorpusa.com>; Harvey Henry <hhenny@bodwellassociates.com>; Greg Mullis (gmullis@hinsonelectricinc.com) <gmullis@hinsonelectricinc.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>; Kirk Broom <kbroom@ccorpusa.com>; Harvey Henry <hhenny@bodwellassociates.com>; Greg Mullis (gmullis@hinsonelectricinc.com) <gmullis@hinsonelectricinc.com>
Subject: RE: York County Courthouse Light fixtures

Thanks Gloria, We'll get you more samples ASAP, we gave some to Jim after our April 27th meeting marked in a manila envelope if you can check around and see if they're there somewhere. We'll also send you some photos of the light posts with concerns. Everything else is clear other than the lighting schedule for the courtroom allowance fixtures, if you could send that to us I think we can finish the pricing request proposal for approval and the fixtures can be released into production once the color is confirmed.

From: Melton, Gloria [mailto:gmelton@scn-architects.com]
Sent: Thursday, June 2, 2016 10:53 AM

1

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Saturday, October 22, 2016 4:41 PM
To: Jamie McDermott
Cc: Kirk Broom; Stewart, Jim
Subject: Roller Shade- colors
Attachments: Sharp Copier_20161022_164011.pdf

I've attached the approved colors for the shades in the main court room.

Morocco for 0%, GlacierScreen HD 1003 for 3%

Gloria Melton
Architect

Stewart Cooper Newell
Architects

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Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Monday, September 12, 2016 3:36 PM
To: Jamie McDermott; Stewart, Jim
Cc: Kirk Broom
Subject: RE: Tile Grout Colors

Jamie-
Color For the marble floors and walls- that is to match the existing grout color.

Grout color for the Tile in the bathrooms and elevator- are to be the charcoal color

Gloria Melton
Architect

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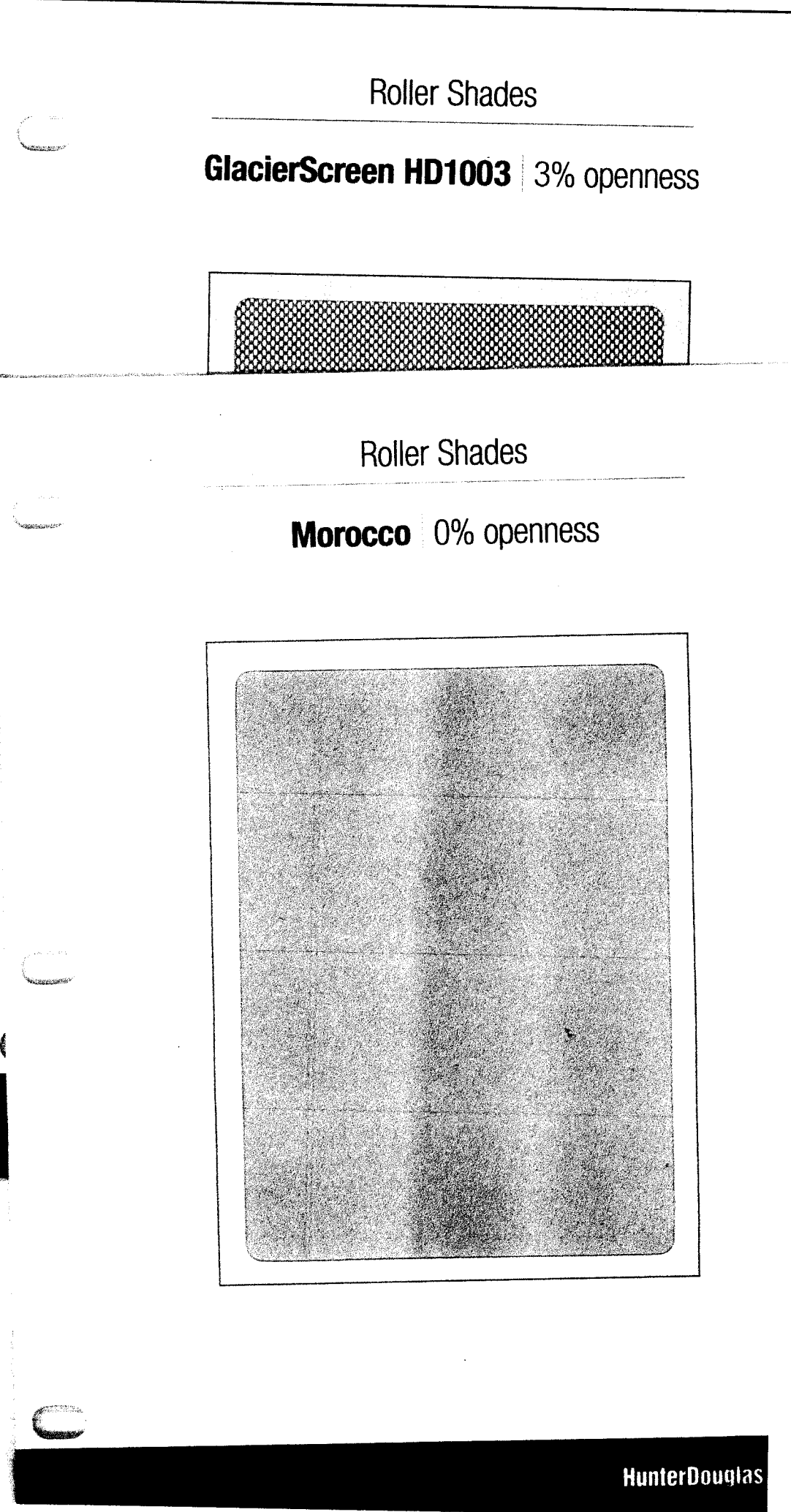
-----Original Message-----

From: Jamie McDermott [mailto:jamiem@leitnerconstructionco.com]
Sent: Monday, September 12, 2016 10:40 AM
To: Stewart, Jim <jstewart@scn-architects.com>; Melton, Gloria <gmelton@scn-architects.com>
Cc: Kirk Broome <kbroom@ccorpusa.com>
Subject: Tile Grout Colors

Jim/Gloria,
The charcoal color is noted as approved at epoxy locations(bathrooms). Is all other tile/marble floors and walls grouted with White?

Sent from my iPhone

1



Kirk Broom

From: Jamie McDermott <jamiem@leitnerconstructionco.com>
Sent: Wednesday, November 02, 2016 3:19 PM
To: Kirk Broom
Subject: FW: Roller Shade- colors

From: Melton, Gloria [mailto:gmelton@scn-architects.com]
Sent: Wednesday, October 26, 2016 9:22 AM
To: Jamie McDermott <jamiem@leitnerconstructionco.com>
Cc: Stewart, Jim <jstewart@scn-architects.com>
Subject: RE: Roller Shade- colors

Ok,
Color- Buck wheat for the Morocco
And color- white sand for Glacier Screen HD 1003, 3%

Gloria Melton
Architect

Stewart Cooper Newell
Architects

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From: Jamie McDermott [mailto:jamiem@leitnerconstructionco.com]
Sent: Wednesday, October 26, 2016 7:03 AM
To: Melton, Gloria <gmelton@scn-architects.com>
Cc: Kirk Broome <kbroom@ccorpusa.com>; Stewart, Jim <jstewart@scn-architects.com>
Subject: RE: Roller Shade- colors

The suppliers telling me Morocco is a fabric type, if you open up the cards there should be color selections for both Glacier Screen and Morocco.

From: Melton, Gloria [mailto:gmelton@scn-architects.com]
Sent: Saturday, October 22, 2016 4:41 PM
To: Jamie McDermott <jamiem@leitnerconstructionco.com>
Cc: Kirk Broome <kbroom@ccorpusa.com>; Stewart, Jim <jstewart@scn-architects.com>
Subject: Roller Shade- colors

HunterDouglas

1

ROOM FINISH SCHEDULE					
ROOM NUMBER	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALL MATERIAL	REMARKS
100	MAIN ENTRANCE	PP-2, 3	MATCH CORR. 101	PLASTER,GWB/P-1, 2	Marble wainscoting to match corr. 101 (Use salvaged)
101	CORRIDOR	EXST.	WD-1/ST	PLASTER/P-1, 2	---
102	JUDGE'S OFFICE	CPT-2,7	WD-1/ST	GWB/P-1	---
103	RESTROOM	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
104	CLERK	CPT-1	RES-1	GWB/P-1	---
105	FILES	CPT-1	WD-1/ST	GWB/P-1	---
106	PROBATE COURTROOM	CPT-3,6,7	WD-1/ST	GWB/P-1, WD/ST-1	---
107	CONFERENCE	CPT-3,6	WD-1/ST	GWB/P-1	---
108	ELEVATOR	PP-6			---
109	CONFERENCE	CPT-3,6	WD-1/ST	GWB/P-1	---
110	CORRIDOR	PP-2,3	MATCH CORR. 101	PLASTER/P-1	---
112	STORAGE	CONC/S	RES-1	GWB/P-1	---
113	MEN	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
114	WOMEN	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
115	STAFF	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
116	PUBLIC COMPUTERS	CPT-1	WD-1/ST	GWB/P-1	---
117	SECURITY CAMERAS	CPT-1	WD-1/ST	GWB/P-1	---
118	STAIR	RUB-1	EXST.	EXST./P-1	---
119	STAFF	CPT-1	WD-1/ST	GWB/P-1	---
120	STAFF	CPT-1	WD-1/ST	GWB/P-1	---
121	RECEPTIONIST	CPT-1	WD-1/ST	GWB/P-1	---
122	COMM. CLERK	CPT-1	WD-1/ST	GWB/P-1	---
123	FILES	CPT-1	WD-1/ST	GWB/P-1	---
124	OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
125	STAFF	CPT-1	WD-1/ST	GWB/P-1	---
126	LANDING	EXST.	EXST.	PLASTER/P-1, 2	---
127	COMM.	CONC/S	RES-1	GWB/P-1	---
128	BREAK ROOM	PP-2	WD-1/ST	GWB/P-1	---
129	CORRIDOR	PP-2, 3	WD-1/ST	PLASTER/P-1, 2	---
130	ELEC.	CONC/S	RES-1	GWB/P-1	---
131	STAIR	RUB-1	RES-1	PLASTER/P-1	---
132	MECH.	CONC/S	RES-1	GWB/P-1	---
133	RESTROOM	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
134	FILES/WORK AREA	RUB-2	RES-1	GWB/P-1	---
135	JANITOR'S CLOSET	CONC/S	RES-1	GWB/P-1	---
136	ELEVATOR	PP-6			---
137	CORRIDOR	PP-2, 3	WD-1/ST	PLASTER/P-1,2	---
138	ASSOC. PROBATE JUDGE	CPT-2,7	WD-1/ST	GWB/P-1	---
139	ASSOC. PROBATE JUDGE	CPT-2,7	WD-1/ST	GWB/P-1	---
140	STORAGE	CONC/S	RES-1	GWB/P-1	---
141	FILES	CPT-1	RES-1	GWB/P-1	---
142	COMM. CLERK & FILES	CPT-1	WD-1/ST	GWB/P-1	---
143	CORRIDOR	EXST.	EXST.	PLASTER/P-1, 2	---
144	STAIR	RUB-1	EXST.	EXST./P-1, 2	---
145	VESTIBULE	PP-2,3	EXST.	PLASTER/P-1, 2	---
146	STAIR	EXST.	EXST.	PLASTER/P-1, 2	---
147	STAIR	EXST.	EXST.	PLASTER/P-1, 2	---
148	STAIR	EXST.	EXST.	PLASTER/P-1, 2	---
149	STAIR	EXST.	EXST.	PLASTER/P-1, 2	---
200	ENTRANCE VESTIBULE	---	---	---	---
201	CORRIDOR	EXST.	EXST.	PLASTER/P-1, 2	---
202	ELEVATOR	PP-6			---
203	MASTER-IN-EQUITY COURTROOM	CPT-3,6,7	WD-1/ST	GWB/P-1, WD-1/ST	---
205	FILES	CPT-2	WD-1/ST	GWB/P-1	---
206	SUPPLY	CPT-1	RES-1	GWB/P-1	---
207	JUDGE'S OFFICE	CPT-2,7	WD-1/ST	GWB/P-1	---
208	CONFERENCE	CPT-3,6	WD-1/ST	GWB/P-1	---
209	MASTER-IN-EQUITY OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
211	RESTROOM	PP-4	CWT-1,4	CWT-1,2,3, GWB/P-1	---
212	FILES	CPT-1	WD-1/ST	GWB/P-1	---
213	OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
214	CORRIDOR	PP-2, 3	WD-1/ST	PLASTER/P-1	---
215	STORAGE	CONC/S	RES-1	GWB/P-1	---
216	JANITOR	CONC/S	RES-1	GWB/P-1	---
217	STORAGE	CONC/S	RES-1	GWB/P-1	---
218	CORRIDOR	PP-2, 3	WD-1/ST	PLASTER/P-1	---
219	ELEVATOR	PP-6			---
220	MEN	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
221	WOMEN	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
222	OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
223	OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
224	OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
225	OFFICE	CPT-1	WD-1/ST	GWB/P-1	---
226	MECH.	CONC/S	RES-1	GWB/P-1	---
227	STAIR	RUB-1	RES-1	PLASTER/P-1	---
228	BREAKROOM	PP-4	WD-1/ST	GWB/P-1	---
229	I.T.	CONC/S	WD-1/ST	GWB/P-1	---
232	STAFF	CPT-1	WD-1/ST	GWB/P-1	---
233	DEPUTY CLERK OF COURT OFFICE	CPT-1	RES-1	GWB/P-1	---
234	FILE	CPT-1	RES-1	GWB/P-1	---
235	STAFF	CPT-1	WD-1/ST	GWB/P-1	---
236	PUBLIC COMPUTERS	CPT-1	WD-1/ST	GWB/P-1	---
237	STAIR	EXST.	EXST.	EXST./P-1	---
238	CONFERENCE	CPT-3,6	WD-1/ST	GWB/P-1	---
239	CONFERENCE	CPT-3,6	WD-1/ST	GWB/P-1	---
240	STAFF	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
241	WOMEN	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
242	MEN	PP-4	CWT-1	CWT-1,2,3, GWB/P-1	---
243	JANITOR	CONC/S	RES-1	GWB/P-1	---
244	JANITOR	CONC/S	RES-1	GWB/P-1	---
247	LOBBY	PP-2, 3	MATCH CORR. 201	PLASTER/P-1	---
248	LANDING & STAIR	EXST.	MATCH CORR. 201	PLASTER/P-1	---
249	VESTIBULE	PP-2, 3	MATCH CORR. 201	PLASTER/P-1	---
250	VESTIBULE	PP-2, 3	MATCH CORR. 201	PLASTER/P-1	---
251	LANDING	EXST.	MATCH CORR. 201	PLASTER/P-1	---
252	LANDING & STAIR	EXST.	MATCH CORR. 201	PLASTER/P-1	---
253	STAIR	EXST.	MATCH CORR. 201	PLASTER/P-1	---
254	STAIR	EXST.	MATCH CORR. 201	PLASTER/P-1	---
255	STAIR	EXST.	MATCH CORR. 201	PLASTER/P-1	---
256	STAIR	EXST.	MATCH CORR. 201	PLASTER/P-1	---
300	LOBBY	EXST.	EXST.	PLASTER/P-1, 2	---
301	CORRIDOR	CPT-1	WD-1/ST	PLASTER/P-1	---

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Thursday, February 18, 2016 12:33 PM
To: Kirk Broom; Jamie McDermott
Cc: Stewart, Jim
Subject: York

Response to floor finishes:

Refer to the notes on 4.12 and 4.13, and also to Jim's responses on site at the judges room on the third floor yesterday- to take up the bad wood flooring in that room and pour concrete.

Response to the shelf at the security windows on the second floor:

We will verify with David Hamilton if a shelf is required.

Response to the opening at the staff room on the second floor: When we get the shop drawings for the doors- we will design the dutch door with a fold down shelf.

Per J. Stewart 2/19/16 - Sit Visit - Discussed room 332 that G. Melton mentions in the email. J. Stewart is ok with covering this floor w/ plywood and new carpet.

Gloria Melton
Architect



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FINISH LEGEND:

FLOORING

CPT-1 = MFR: MANNINGTON COMMERCIAL (MODULAR)
 STYLE: CLOSE KNIT II
 COLOR: CATALINA (1419)
 SIZE: 24" X 24"
 INSTALLATION: TBD
 ALLOWANCE: INSTALLED - SEE SPEC'S

CPT-2 = MFR: MOHAWK GROUP (BROADLOOM)
 STYLE: INNOVATE MC092
 COLOR: 308 HAUTE
 ALLOWANCE: INSTALLED - SEE SPEC'S

CPT-3 = MFR: BENTLEY (BROADLOOM)
 STYLE: GOTHAM RISES 80030
 COLOR: ARCTIC ADVERSARY 801464
 ALLOWANCE: INSTALLED - SEE SPEC'S

CPT-4 = MFR: MASLAND (BROADLOOM)
 STYLE: BOMBAY
 COLOR: BANGALORE
 ALLOWANCE: INSTALLED - SEE SPEC'S

CPT-5 = MFR: MASLAND (CUSTOM RUG)
 STYLE: RALEIGH
 COLOR: TRUFFLE
 RUG PAD: TO BE RECOMMENDED BY DEALER
 SIZE: 12' X 15'
 ALLOWANCE: INSTALLED - SEE SPEC'S
 * DEALER TO BIND CARPET EDGES

CPT-6 = MFR: TANDUS (BROADLOOM)
 STYLE: ALPACA II 51050
 COLOR: OSTRICH 00809
 ALLOWANCE: INSTALLED - SEE SPEC'S

CPT-7 = MFR: TANDUS (BROADLOOM)
 STYLE: ALPACA II 51050
 COLOR: ONYX 00611
 ALLOWANCE: INSTALLED - SEE SPEC'S

PP-1 = OMIT
 PP-2 = MFR: DALITILE
 STYLE: KEYSTONES SHAPES
 COLOR: BISCUIT D317 (VERIFY COLOR MATCHES EXIST.)
 SIZE: 3/4" X 3/4" SQUARE (1' X 2' SHEET)
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

PP-3 = MFR: DALITILE
 STYLE: KEYSTONES SHAPES
 COLOR: BLACK D311
 SIZE: 3/4" X 3/4" SQUARE (1' X 2' SHEET)
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

PP-4 = MFR: DALITILE
 STYLE: KEYSTONE BLENDS DK20 WINDMILL
 COLOR: BISCUIT D317 & BLACK D311
 SIZE: 11-7/8" X 23-5/8"
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

PP-5 = OMIT
 PP-6 = MFR: ERGON
 STYLE: STONE PROJECT NATURALE CONTROFALDA
 COLOR: GREY
 SIZE: 11-13/16" X 23-5/8"
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

RUB-1 = MFR: JOHNSONITE
 STYLE: RUBBER TILE
 TEXTURE: HAMMERED
 COLOR: 63 BURNT UMBER
 SIZE: 24" X 24"
 STAIR TREAD: INTEGRAL RISER/TREAD COMBO

RUB-2 = MFR: NORA SYSTEMS
 STYLE: DEGREE RUBBER TILE
 COLOR: 6346 HARTFORD
 SIZE: 24" X 24"

CONC/S = TEXTURE: SMOOTH
 FINISH: SATIN
 TINT: BENJAMIN MOORE 1553

WD-1/ST = (SAND, REPAIR & REFINISH EXISTING WOOD FLOORS)
 (CLEAN ONLY FOR EXISTING WOOD FLOORS ON 4TH LEVEL)

BASE

RES-1 = MFR: JOHNSONITE
 STYLE: TYPE TP
 COLOR: 63 BURNT UMBER
 SIZE: 4" H

CWT-1 = MFR: DALITILE
 STYLE: RITTENHOUSE SQUARE
 COLOR: BISCUIT K175 (VERIFY COLOR TO MATCH EXIST.)
 FINISH: SEMI-GLOSS
 SIZE: 3" H X 6" COVE BASE
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

WD-1/ST = WOOD BASE (STAINED) *Minwax English Chestnut*

SPECIES: OAK
 PROFILES: SEE DETAILS
 STAIN: TO MATCH ARCHITECT'S SAMPLE
 FINISH: SATIN

WALLS

P-1 = MFR: BENJAMIN MOORE
 COLOR: AC-4 YOSEMITE SAND
 FINISH: VARIES, SEE NOTES

P-2 = MFR: BENJAMIN MOORE
 COLOR: AC-3 TEXAS LEATHER
 FINISH: VARIES, SEE NOTES

P-3 = MFR: BENJAMIN MOORE
 COLOR: AC-1 COASTAL FOG
 FINISH: VARIES, SEE NOTES

P-4 = MFR: BENJAMIN MOORE
 COLOR: AC-5 SPRINGFIELD TAN
 FINISH: VARIES, SEE NOTES

P-5 = MFR: BENJAMIN MOORE
 COLOR: AC-2 BERSKSHIRE BEIGE
 FINISH: VARIES, SEE NOTES

P-6 = MFR: BENJAMIN MOORE
 COLOR: AC-6 NEW CHESTNUT
 FINISH: VARIES, SEE NOTES

P-7 = MFR: BENJAMIN MOORE
 COLOR: WHITE DOVE INT. R.M.
 FINISH: FLAT

P-8 = MFR: BENJAMIN MOORE
 COLOR: 2115-10 APPALACHIAN BROWN (TO MATCH WD-1/ST)
 FINISH: SEMI-GLOSS

P-9 = MFR: BENJAMIN MOORE
 COLOR: SAIL CLOTH EX. R.M. (TO MATCH CWT-1)
 FINISH: SEMI-GLOSS

P-10 = MFR: BENJAMIN MOORE
 COLOR: BLACK FOREST GREEN EXT. RM.
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

CWT-1 = MFR: DALITILE
 STYLE: RITTENHOUSE SQUARE
 COLOR: BISCUIT K175 (VERIFY COLOR TO MATCH EXIST.)
 FINISH: SEMI-GLOSS
 SIZE: 3" X 6" FIELD TILE
 INSTALL: BROCK PATTERN
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

CWT-2 = MFR: DALITILE
 STYLE: LINERS
 COLOR: BLACK K111
 FINISH: SEMI-GLOSS
 SIZE: 1/2" X 6" FLAT TOP
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

CWT-3 = MFR: DALITILE
 STYLE: LINERS
 COLOR: BISCUIT K175 (VERIFY COLOR TO MATCH EXIST.)
 FINISH: SEMI-GLOSS
 SIZE: 2" X 6" CHAIR RAIL
 EPOXY GROUT: ARDEX CHARCOAL DUST-23

WD-1/ST = WOOD WALL PANELS (STAINED)
 SPECIES: OAK
 STAIN: TO MATCH ARCHITECT'S SAMPLE
 FINISH: SATIN

QUARTZ-1 = MFR: DUPONT ZODIAQ
 COLOR: MYSTIC BLACK
 THICKNESS: 3/4"
 EDGE: EASED

GENERAL FINISH NOTES

- ALL INTERIOR WALLS SHALL BE PAINTED P-1, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR ALL PAINT DESIGNATIONS.
- ALL GYPSUM AND PLASTER WALLS SHALL BE PAINTED EGGSHELL FINISH, UNLESS NOTED OTHERWISE. SEE RCP FOR ACCENT LOCATIONS.
- ALL WALLS IN RESTROOMS SHALL BE PAINTED P-3, FINISH: EPOXY.
- ALL GYPSUM CEILINGS AND SOFFITS SHALL BE PAINTED P-7, FINISH: FLAT, UNLESS NOTED OTHERWISE. SEE RCP FOR ACCENT LOCATIONS.
- ALL METAL DOOR FRAMES SCHEDULED TO BE PAINTED SHALL BE SEMI-GLOSS FINISH. METAL DOOR FRAMES WITH WOOD TRIM, SHALL BE PAINTED P-8 (TO MATCH WOOD TRIM). METAL DOOR FRAMES WITH TILE TRIM, SHALL BE PAINTED P-9 (TO MATCH TILE).
- MECHANICAL GRILLES INSTALLED IN PAINTED WALLS OR CEILINGS SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR CEILING IN WHICH THEY ARE INSTALLED, FINISH: SEMI-GLOSS.
- ALL METAL STAIR COMPONENTS SCHEDULED TO BE PAINTED, SHALL BE P-10, FINISH: ALKYO ENAMEL.
- WOOD HANDRAILS AT STAIRS SHALL BE STAINED WD-1/ST.
- ALL EXISTING STAIR TREADS AND RISERS ARE TO BE CLEANED OR REPLACED TO MATCH EXISTING EXCEPT AT STAIR 131,227, AND 320, WHICH SHALL BE RUB-1.
- ALL STAINED MILLWORK, TRIM AND DOORS SCHEDULED TO BE STAINED, SHALL BE WD-1/ST.
- EXISTING FIXED FURNITURE SHALL BE STRIPED AND STAINED TO MATCH ARCHITECT'S SAMPLE.
- PAINTING CONTRACTOR SHALL REVIEW THE SURFACES OF ALL MATERIALS THAT ARE INDICATED TO BE PAINTED AND SHALL BRING TO THE ATTENTION OF THE CONTRACTOR ANY SURFACES THAT ARE NOT ACCEPTABLE TO RECEIVE PAINT. WALL SURFACES THAT CONTAIN BLEMISHES, CONCRETE SPATTERINGS, CAULKING DRIPS, PAINT RUNS, NAILS, SCREWS, UNEVEN FINISH SURFACES, ETC. SHALL BE CORRECTED PRIOR TO FINAL PAINTING. FAILURE OF NOT CORRECTING THESE ITEMS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO CORRECT THIS WORK, EVEN AFTER FINAL PAINTING IS COMPLETED.
- REMOVE PAINT FROM ALL ITEMS NOT INTENDED TO BE PAINTED SUCH AS LIGHT SWITCH PLATES, ELECTRICAL RECEPTACLES, FIRE ALARM STROBES, LIGHT FIXTURES, SPEAKERS, DOOR HARDWARE, FLOOR TILES, WALL BASE, CEILING TILES, GRID, ETC.
- SEE FINISH DRAWINGS FOR FLOOR PATTERNS.
- SEE FINISH PLANS FOR TREATMENT OF ALL EXISTING WOOD FLOORS.
- SEE FINISH DRAWINGS ON SHEET 7.06 FOR FLOOR TRANSITION MATERIALS.
- FLOOR MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTERLINE OF THE ROOM DOORS IN A CLOSED POSITION.
- ALL RUBBER TRANSITION STRIPS AND STAIR NOSINGS SHALL BE JOHNSONITE, COLOR BURNT UMBER.
- ALL QUARTZ COUNTERTOPS SHALL BE QUARTZ-1.
- ALL ELECTRICAL RECEPTACLE PLATE COLORS SHALL BE IVORY. PLATES WITHIN STAINED WOOD MILLWORK SHALL BE BROWN.
- REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
- IN AREAS REQUIRING NEW WORK AND PATCHING OF EXISTING FINISHES SHOWN IN THE FINISH SCHEDULE AND ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR AND ANY NOTED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. ALL NEW FLOOR, BASE, WAINSCOT, WALL AND CEILING FINISHES SHALL MATCH EXISTING FINISHES UNLESS NOTED OTHERWISE.
- CERAMIC WALL TILE SHALL EXTEND FROM TOP OF CERAMIC BASE (3" H) TO 5'-2.5" ABOVE BASE.
- ALL TOILET PARTITIONS SHALL BE STAINLESS STEEL.
- ALL NEW WOOD DOORS SHALL MATCH EXISTING DOORS. SEE DOOR DETAILS.
- ALL WINDOWS IN LARGE COURTROOM SHALL RECEIVE ELECTRONIC ROLLER SHADES. SHADE CLOTH SHALL BE MERMET, FLOCKE BLACKOUT, COLOR 618 MISSISSIPPI. INSTALLER SHALL FIELD VERIFY WINDOW OPENINGS AND COMPLETE SHOP DRAWINGS FOR APPROVAL BY OWNER AND ARCHITECT PRIOR TO ORDERING.

FINISH LEGEND ABBREV.

ACP = ACOUSTICAL CEILING PANEL
 AMP = ACOUSTICAL WALL PANEL
 CONC/S = SEALED CONCRETE
 CPT = CARPET
 CWT = CERAMIC WALL TILE
 EXIST = EXISTING
 GWB/P = GYPSUM WALL BOARD/PAINT
 PP = PORCELAIN PAVER
 RES = RESILIENT
 RS = ROLLER SHADE
 RUB = RUBBER
 WD/ST = STAINED WOOD

See RFI #23 opposite page
 Wall tile elevation Dwg.

* Marble - White Cherokee see email from Jim Stewart opposite

* Wood Stain - Minwax English Chestnut

* Roller Shades (Main Courtroom) -
 . Color - Buckwheat for the Morocco
 . Color - White Sand for Glacier Screen WD 1003

Project No.
 1390

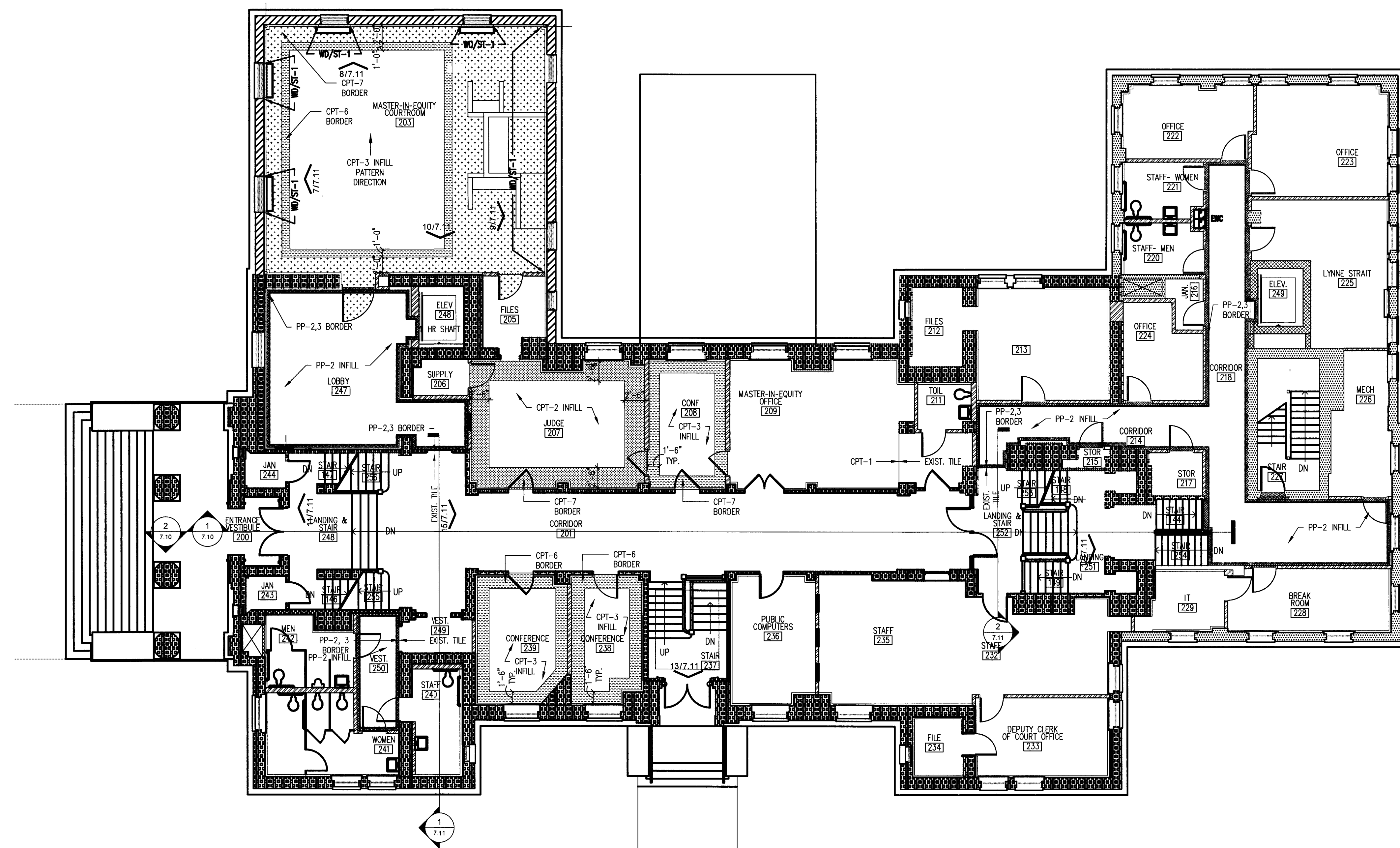
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 07.21.2015
 Drawn
 AJK
 Checked
 JDH
 Issue for
 Construction

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1 SECOND LEVEL FINISH PLAN
A7.02 1/8" = 1'-0"

Project No.
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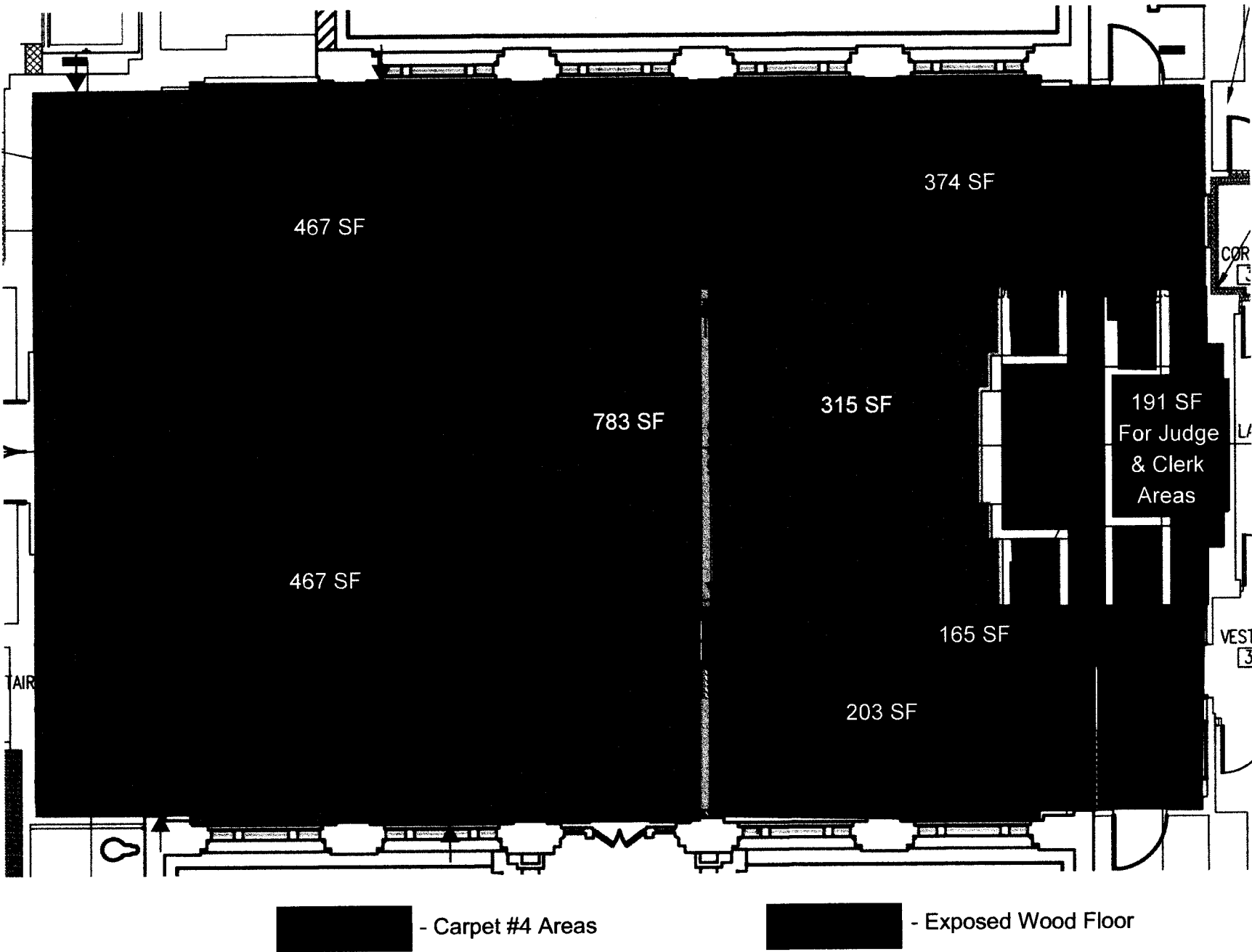
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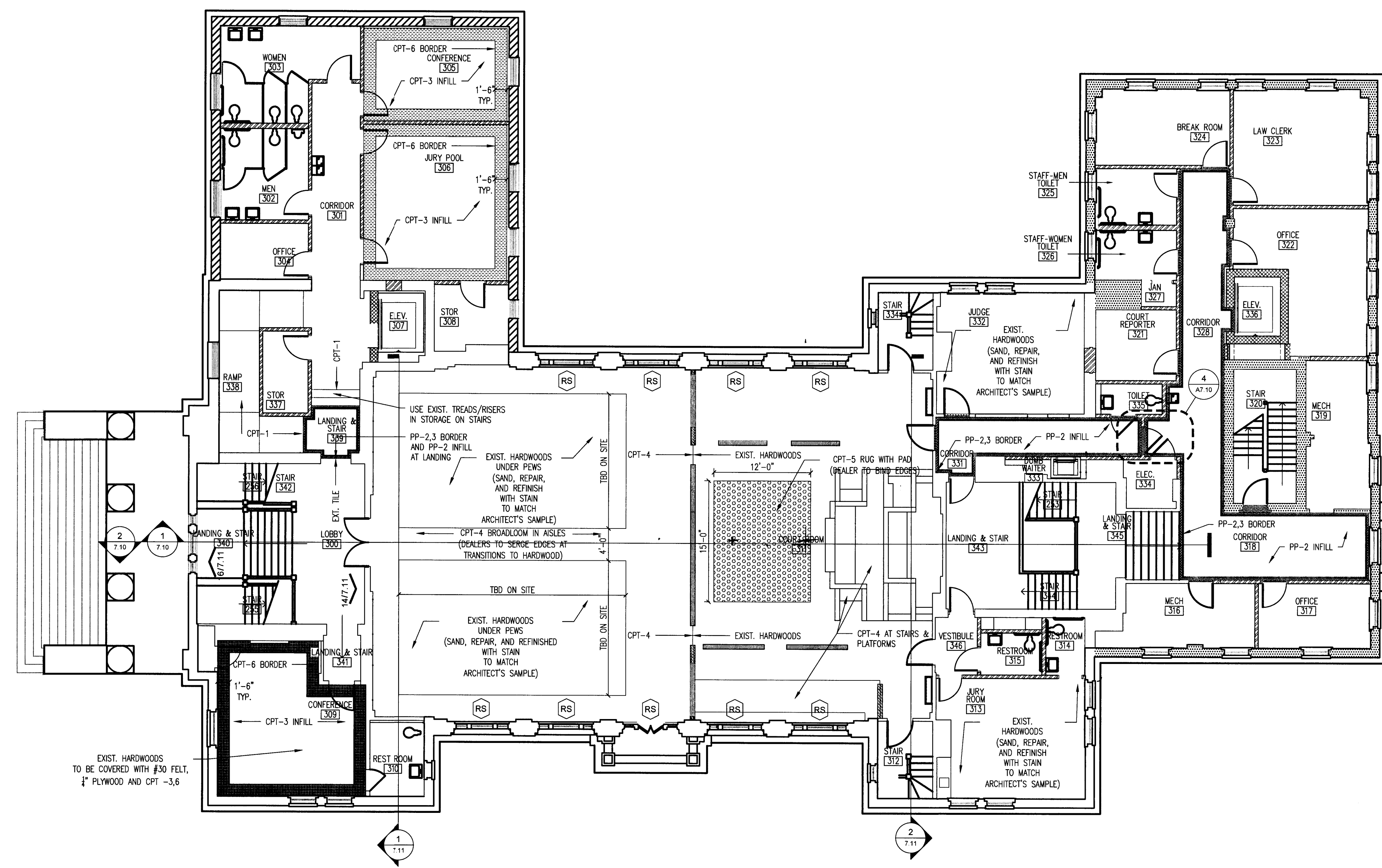
RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

LEVEL 2 FINISH PLAN

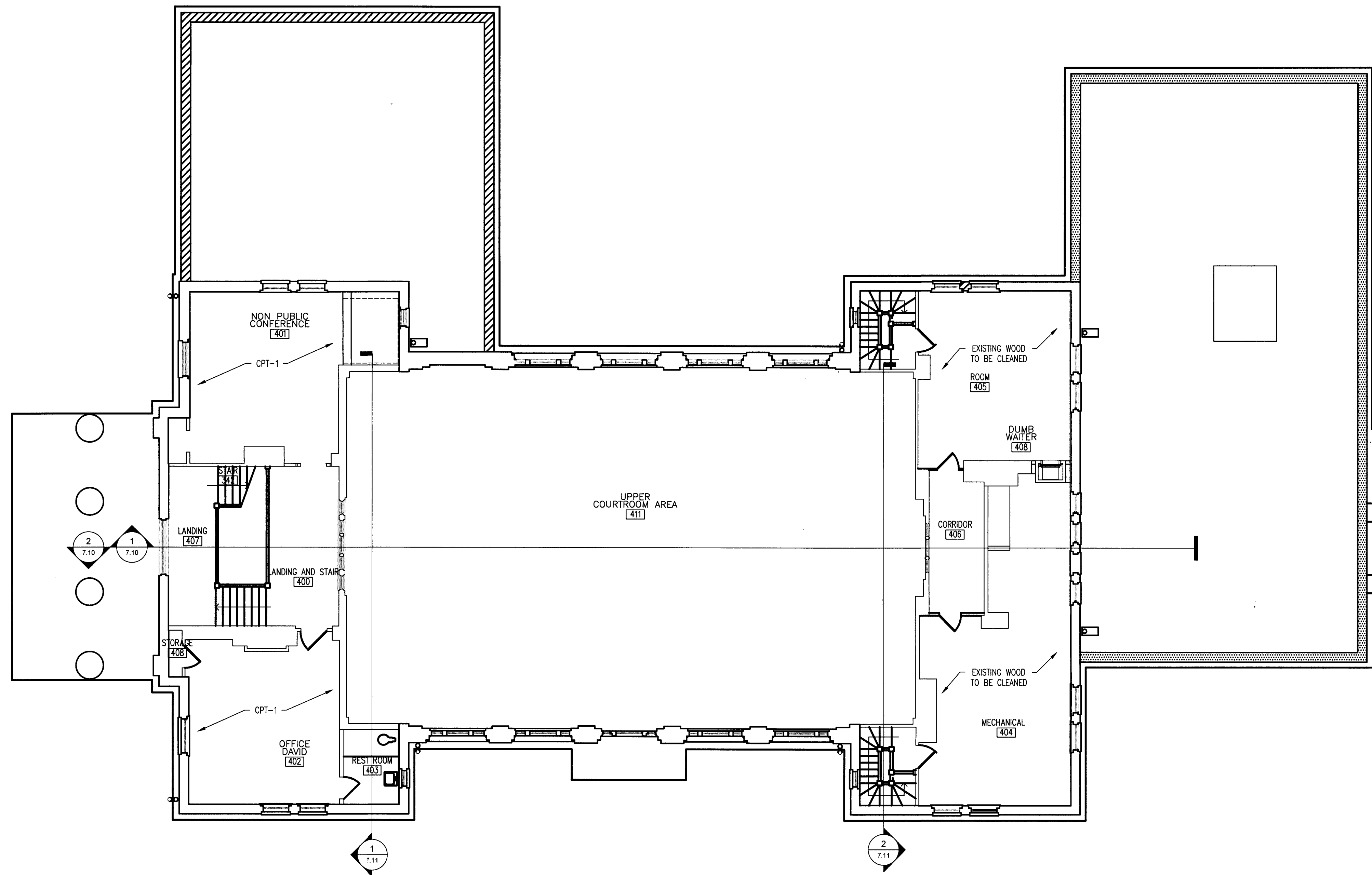
sheet 7.02

PROPOSED COURTROOM FLOORING LAYOUT





1 THIRD LEVEL FINISH PLAN
A7.03 1/8" = 1'-0"



1 FOURTH LEVEL FINISH PLAN
A7.04 1/8" = 1'-0"

Project No.
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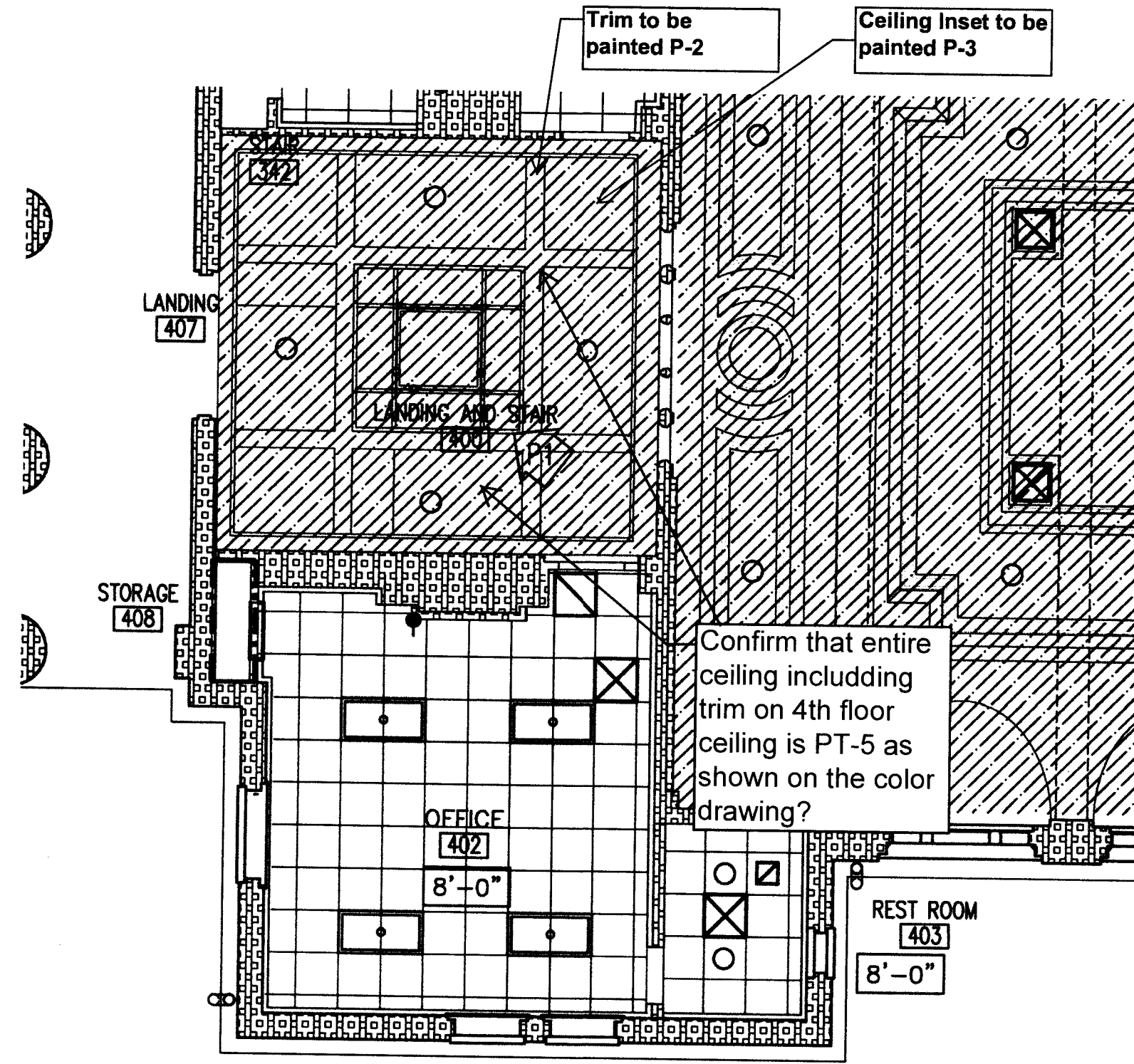
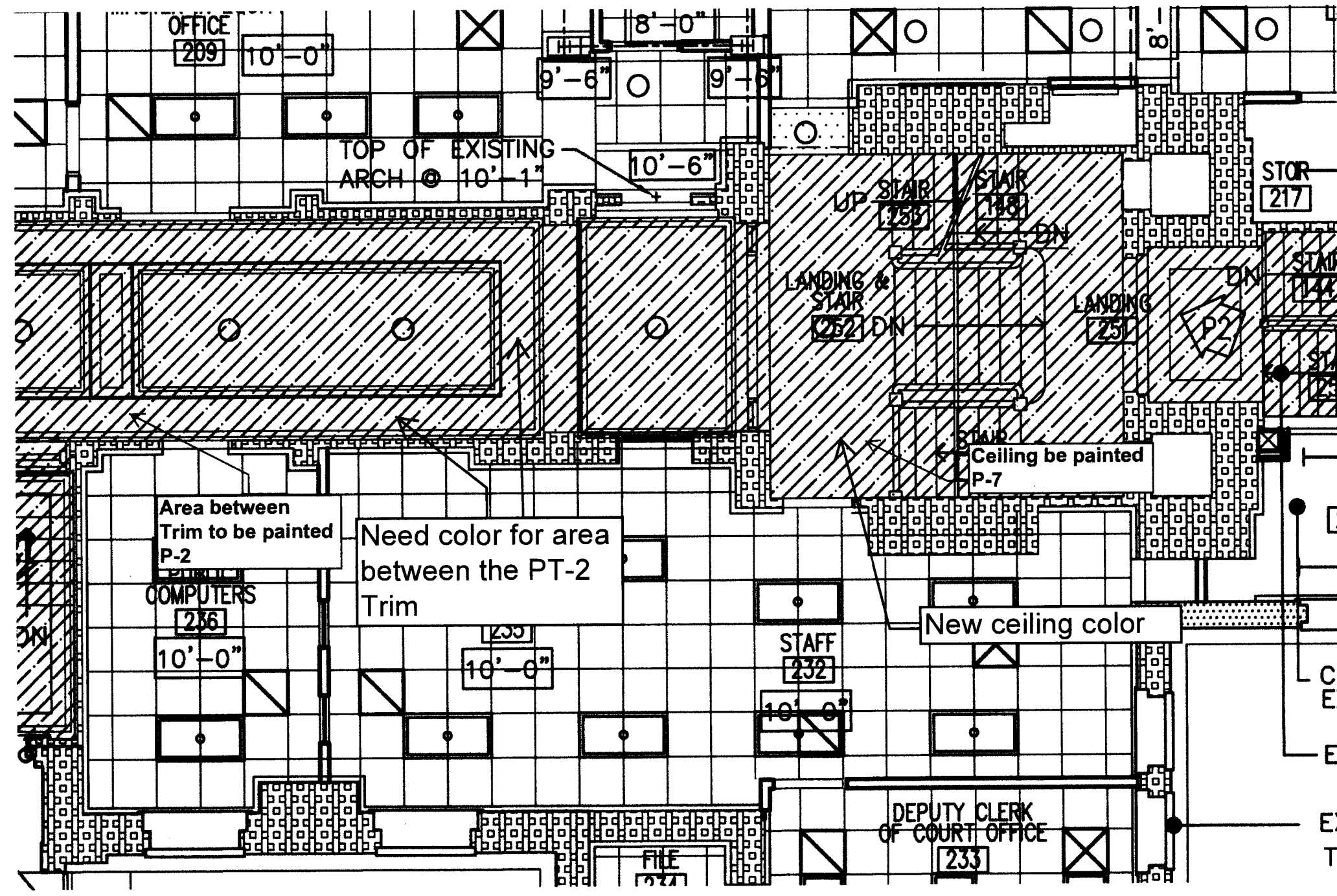
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RENOVATIONS & ADDITIONS FOR
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LEVEL 4 FINISH PLAN

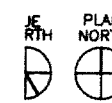
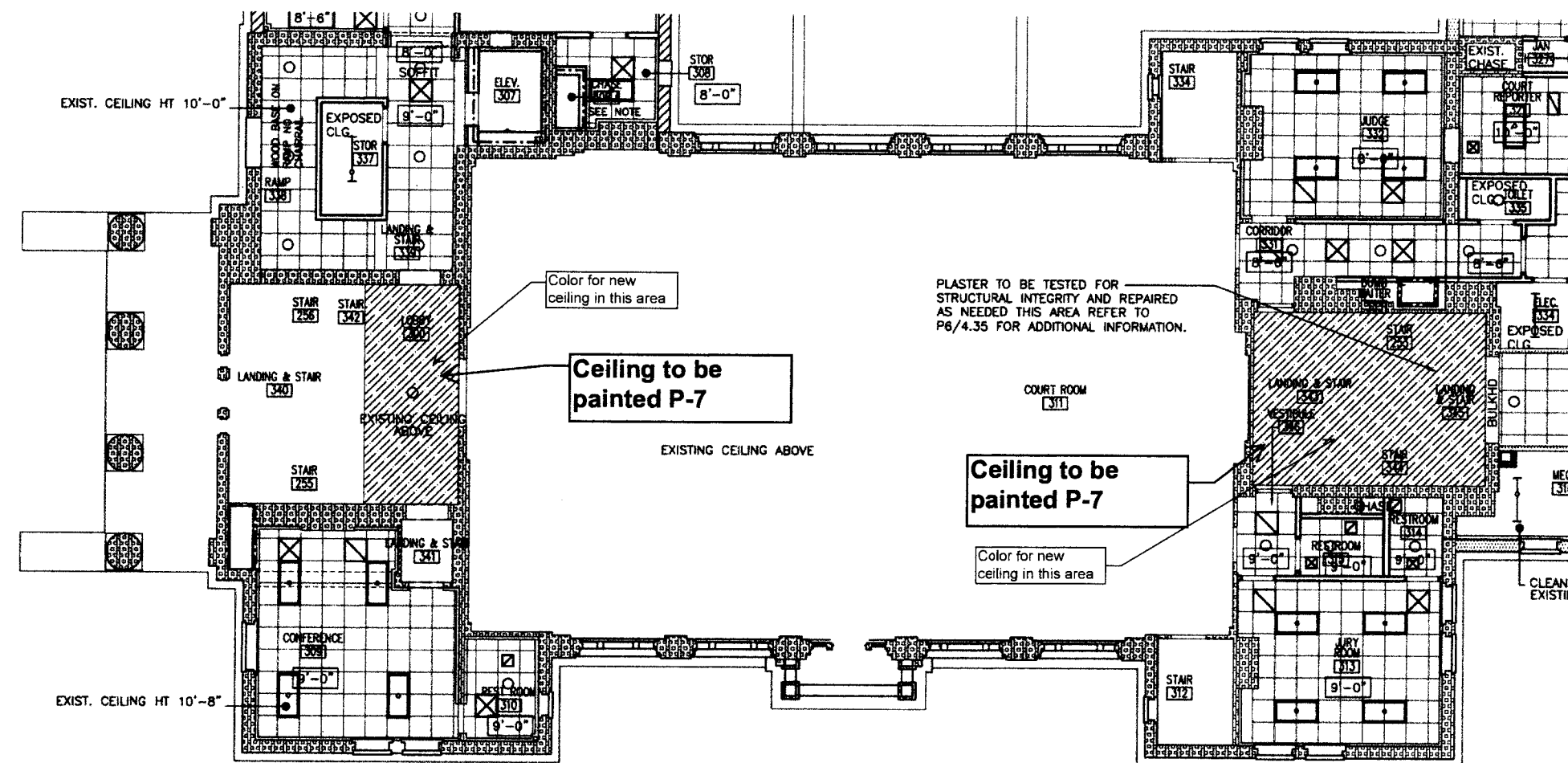
sheet 7.04



1

FOURTH FLOOR REFLECTED CEILING

SCALE: 1/8"=1'-0"



1

THIRD LEVEL REFLECTED CEILING PLAN

SCALE: 1/8"=1'-0"

ALL CEILING HEIGHTS 8'-0" UNO CONTRACTOR TO VERIFY ALL EXISTING CEILING HEIGHTS

FOR ACTUAL HVAC LAYOUT, COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH MEP.

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Thursday, July 21, 2016 2:24 PM
To: Kirk Broom
Subject: York- pdf from CGD
Attachments: Second Level Hall RCP.PDF

Follow Up Flag: Follow up
Flag Status: Flagged

This has a few revisions- for finishes

- see Dwg Below

Gloria Melton
Architect



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Project No.
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Date
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JDH
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Construction

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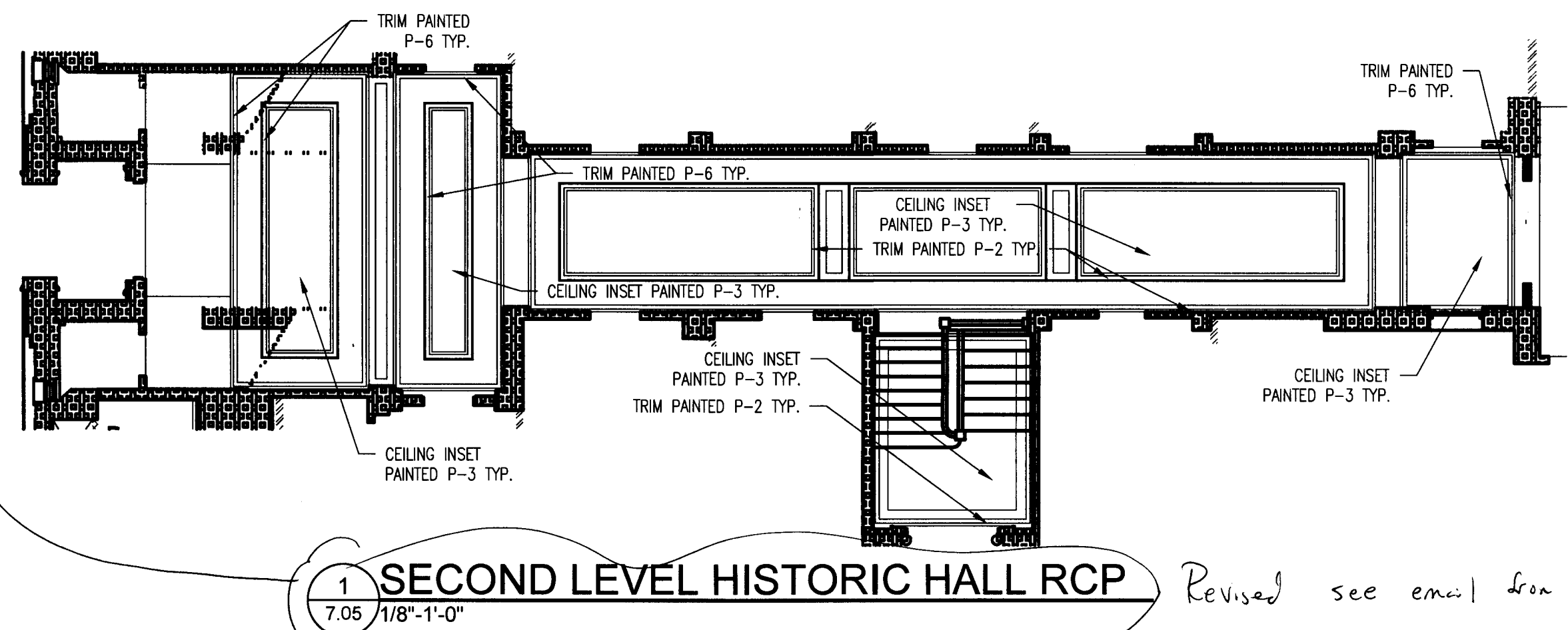
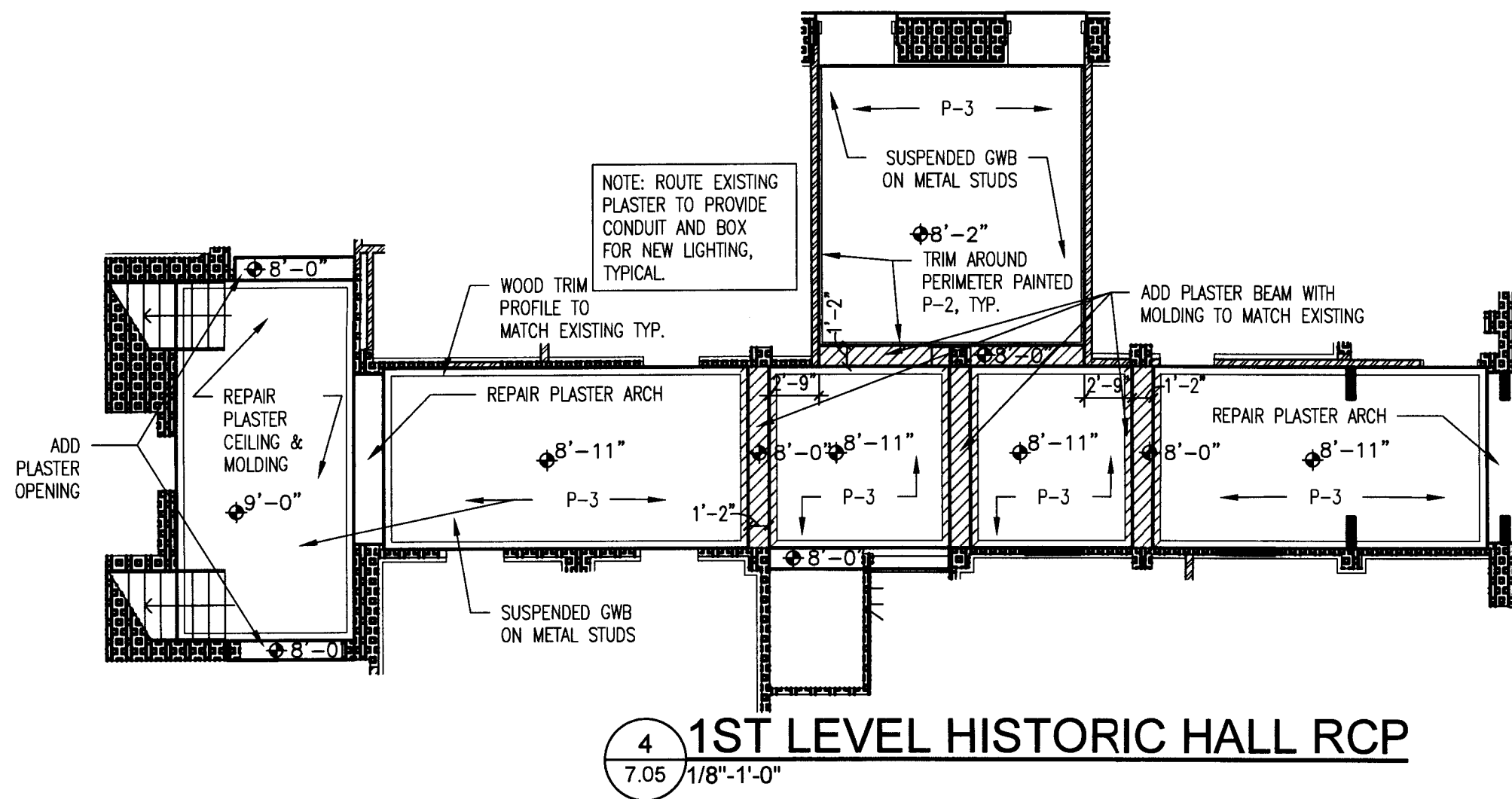
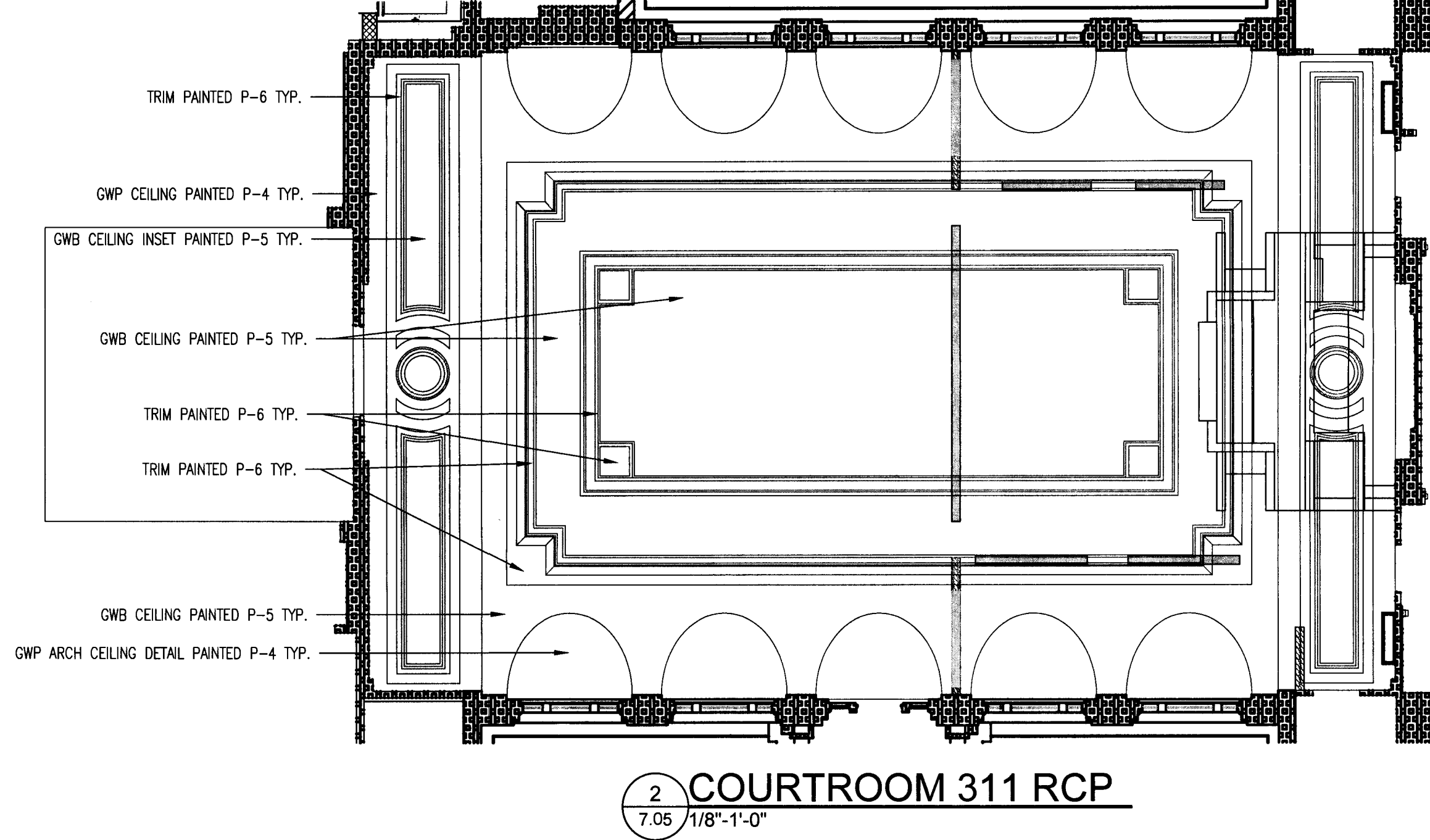
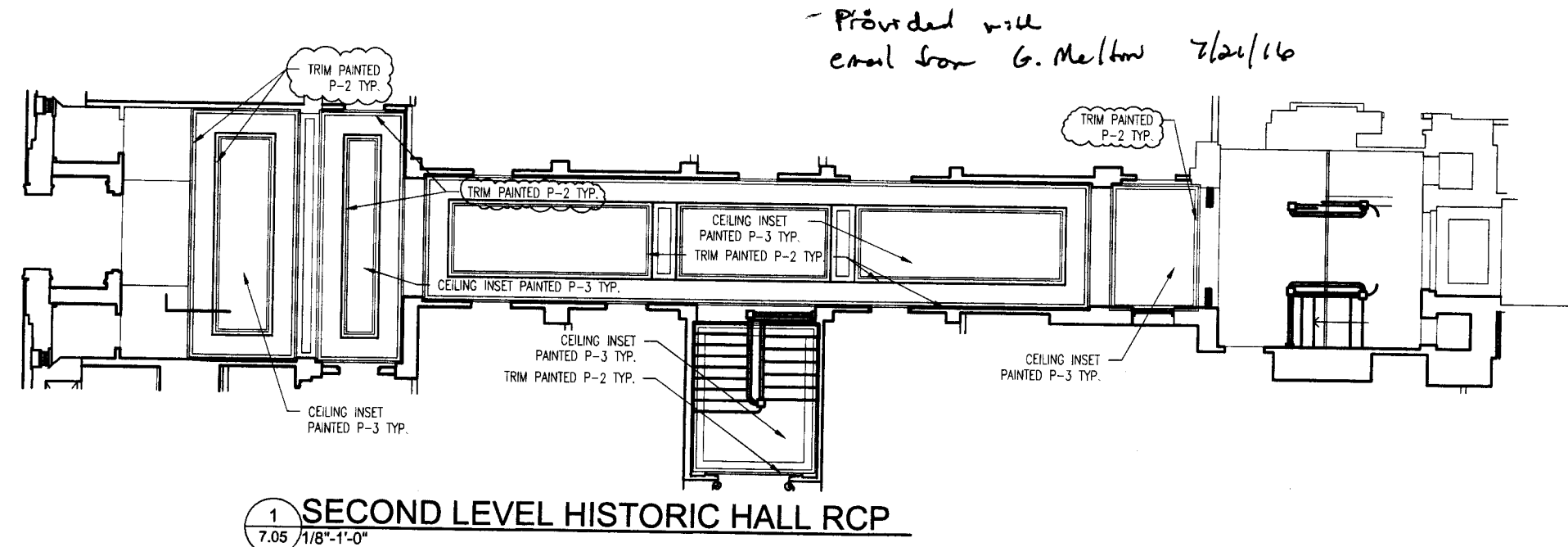
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
REFLECTED CEILING PLANS

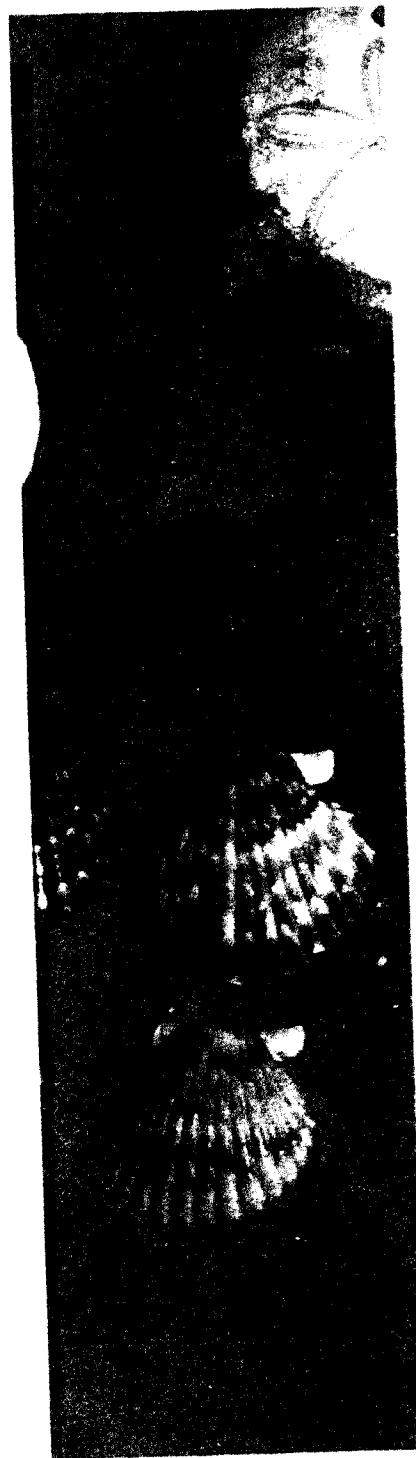
sheet 7.05



Revised see email from G. Melton 7/24/16

VINYL ACCESSORIES

Roppe manufactures a full line of vinyl nosings, accessories, and finishes to fulfill virtually any design or installation need.



#151

Vinyl Snap-Down Divider
• 3/4" (19.05 mm) wide removable section for joining carpets
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#152

Vinyl Snap-Down Divider
• 1-13/32" (44.45 mm) wide removable section for joining carpets
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#153

Vinyl Snap-Down Edging
• 1" (25.4 mm) wide removable section for joining carpet to tile
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#154

Vinyl Snap-Down Edging
• 1-9/64" (31.8 mm) wide removable section for joining carpet to tile
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#155

Vinyl Single Flange Track
• Works with #151, #154, and #175
• Length: 12' (3.66 m)
• Packed 20 pieces per tube
• Black only

#156

Vinyl 5/16" Glue-Down Reducer
• 5/16" (7.94 mm) butting gauge
• Long flange, smooth taper
• Length: 12' (3.66 m)
• Packed 10 pieces per tube

#157

Vinyl Custom Edge
• For sponge backs
• General purpose edge and cap
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#158

Vinyl 1/4" Square Cove Cap
• Undercut 1/4" (6.35 mm)
• Cap for cove carpets and wall paneling
• Length: 12' (3.66 m)
• Packed 40 pieces per tube

#159

Vinyl Tile Carpet Joiner
• Provides smooth carpet/tile transition
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#160

Vinyl 3/16" Glue-Down Reducer
• Undercut, flange, and transition combined
• Undercut 3/16" (4.76 mm), smooth transition
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#161

Vinyl Carpet Cove Cap
• Trim for cove carpet
• Undercut 3/16" (4.76 mm) (flexible)
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#162

Vinyl 11/32" (7.14 mm) Cap
• For capping metal carpet, ceramics, and paneling
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#163

Vinyl Tackless Carpet Bar Reducer
• 1/4" (6.35 mm) butting edge to accept tackless strip
• Deep undercut
• Length: 12' (3.66 m)
• Packed 10 pieces per tube

#164

Vinyl Tackless Carpet Bar Reducer
• 1/4" (6.35 mm) butting edge to accept tackless strip
• Longer taper than #163
• Length: 12' (3.66 m)

#165

Vinyl 1/8" Square Cove Cap
• Undercut 1/8" (3.175 mm)
• Cap for cove sheet vinyl
• Length: 12' (3.66 m)
• Packed 50 pieces per tube

#166

Vinyl 1/8" (3.175 mm) Corner Guard
• 1-1/2" (38.1 mm) returns
• Length: 54" (1.37 m)
• (Special orders to 9')
• Packed 12 pieces per carton

#167

Vinyl Fillet Strip
• Super backing for finishing up the wall
• White only
• Length: 20' (6.1 m) coil
• Packed 5 coils per carton

#168

Vinyl Underslung Reducer
• Binder bar type edging for resilient flooring
• Undercut 1.05" for use with 1/16" to 1/8" material
• Length: 35' (10.67 m) coil
• Packed 2 coils per carton

#169

Vinyl 1/4" Glue-Down Reducer
• 1/4" butting gauge undercut
• Long flange, smooth taper
• Length: 12' (3.66 m)
• Packed 10 pieces per tube

#170

Vinyl 1/16" Tile Reducer
• Beveled edge for resilient flooring material
• 1/16" (0.031") (1.59 mm) butting edge
• Length: 3' (0.914 m)
• Packed 50 pieces per carton

#171

Vinyl 3/32" Tile Reducer
• Beveled edge for resilient flooring material
• 3/32" (0.031") (2.38 mm) butting edge
• Length: 3' (0.914 m)
• Packed 50 pieces per carton

#172

Vinyl 1/8" Tile Reducer
• Beveled edge for resilient flooring material
• 1/8" (0.125") (3.18 mm) butting edge
• Length: 3' (0.914 m)
• Packed 50 pieces per carton

2

#173

Vinyl 3/16" Tile Reducer
• Beveled edge for resilient flooring material
• 3/16" (1.875") (4.76 mm) butting edge
• Length: 3' (0.914 m)
• Packed 50 pieces per carton

#174

Vinyl Glue-Down Carpet Reducer
• Undercut 1/4" (7.94 mm) with 2" transition
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

#175

Vinyl Snap-Down Edging
• 1-1/4" (38.1 mm) wide removable section for joining tile to wood
• Length: 12' (3.66 m)
• Packed 20 pieces per carton

#176

Vinyl 1/2" (12.7 mm) Reducer
• For carpet, ceramic tile or wood flooring
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

#177

Vinyl Tile Carpet Joiner
• Joins 1/4" carpet to 1/8" tile
• Length: 12' (3.66 m)
• Packed 20 pieces per carton

#178

Vinyl Flash-Track
• Single Flange Track
• Works with #151, #154 above and #175
• Flexible, contours easily
• Length: 12' (3.66 m)
• Packed 20 pieces per tube
• Black only
• Roppe patented product

#179

Vinyl Snap-Down Super Edge
• 1-7/8" (57.2 mm) wide removable section for joining carpet to wood/ceramic
• Length: 12' (3.66 m)
• Packed 20 pieces per tube

#180

Vinyl 3/16" (4.76 mm) Corner Guard
• 2-1/4" returns
• Length: 54" (1.37 m) (Special orders to 9')
• Packed 6 pieces per carton

#181

Carpet/Tile Reducer
• 7/16" (9.53 mm) reducer with 2-5/8" transition for carpet to Rop-Cord Tile
• Length: 12' (3.66 m)
• Packed 10 pieces per carton
• Available only in colors 100 Black, 110 Brown, 130 Dark Gray, 178 Pewter

#189

Vinyl Fillet Molding
• Super backing for finishing up the wall
• White only
• Length: 5' (1.524 m) pieces
• Packed 25 pieces per carton

#190

Tub Moulding (Self-Stick)
• High-gloss finish cone for bathtub, counter, and shelves
• Height: 1" (2.54 mm)
• Length: 5' (1.524 m)
• Packed 24 pieces per carton
• Available in white and almond only

#191

Tub Moulding (Self-Stick)
• High-gloss finish cone for bathtub, counter, and shelves
• Height: 1-1/2" (38.1 mm)
• Length: 5' (1.524 m)
• Packed 24 pieces per carton
• Available in white and almond only

#192

Vinyl 9/16" (14.29 mm) Extended Track
• 1/4" higher than standard
• Works with #151 through #154, and #175 and #179
• Length: 12' (3.66 m)
• Packed 20 pieces per tube
• Black only

#193 & #194

Vinyl Flash Cap 4"
• 2 products in one (Vinyl Fillet Strip and Cove Cap)
• Can be used for Vinyl Sheet goods or carpet up to 1/4" thick
• One step installation saves time and money
• Length: 5' (1.524 m)
• Height: 4"
• Packed: 20 pcs. (100 ft., 30.48 m) per carton

#194 Vinyl Flash Cap 6"

• Same as No. 193 above, but in 6" height

#201

Vinyl 1/8" (3.175 mm) Underlap Stair Nosing
• Square nosing
• Rugged safety surface
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

#202

Vinyl 1/8" (3.175 mm) Overlap Stair Nosing
• Square nosing
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

#203

Vinyl Domestic Stair Nosing
• Square nose for light-duty applications
• Installs over vinyl tile or sheet goods
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

#204

Vinyl Underlap Carpet Nosing
• Heavy-duty for 1/4" and 5/16" carpet
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

3

09650/ROP
BuyLine 0176

#205

Vinyl Double Butt Carpet Stair Nosing
• But to 1/4" carpet
• Length: 12' (3.66 m)
• Packed 10 pieces per carton

#206

Vinyl Double Underlap Stair Nosing
• For 1/4" and 5/16" carpet
• Length: 12' (3.66 m)
• Packed 10 pieces per tube

#207

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#208

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#209

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#210

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#211

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#212

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#213

Vinyl 3/8" Butt Stair Nosing
• 3/8" (9.53 mm) butt stair nosing for carpet and Rop-Cord tile
• Length: 12' (3.66 m)
• Packed 10 per carton

#214

#215

#216

#217

#218

#219

#220

#221

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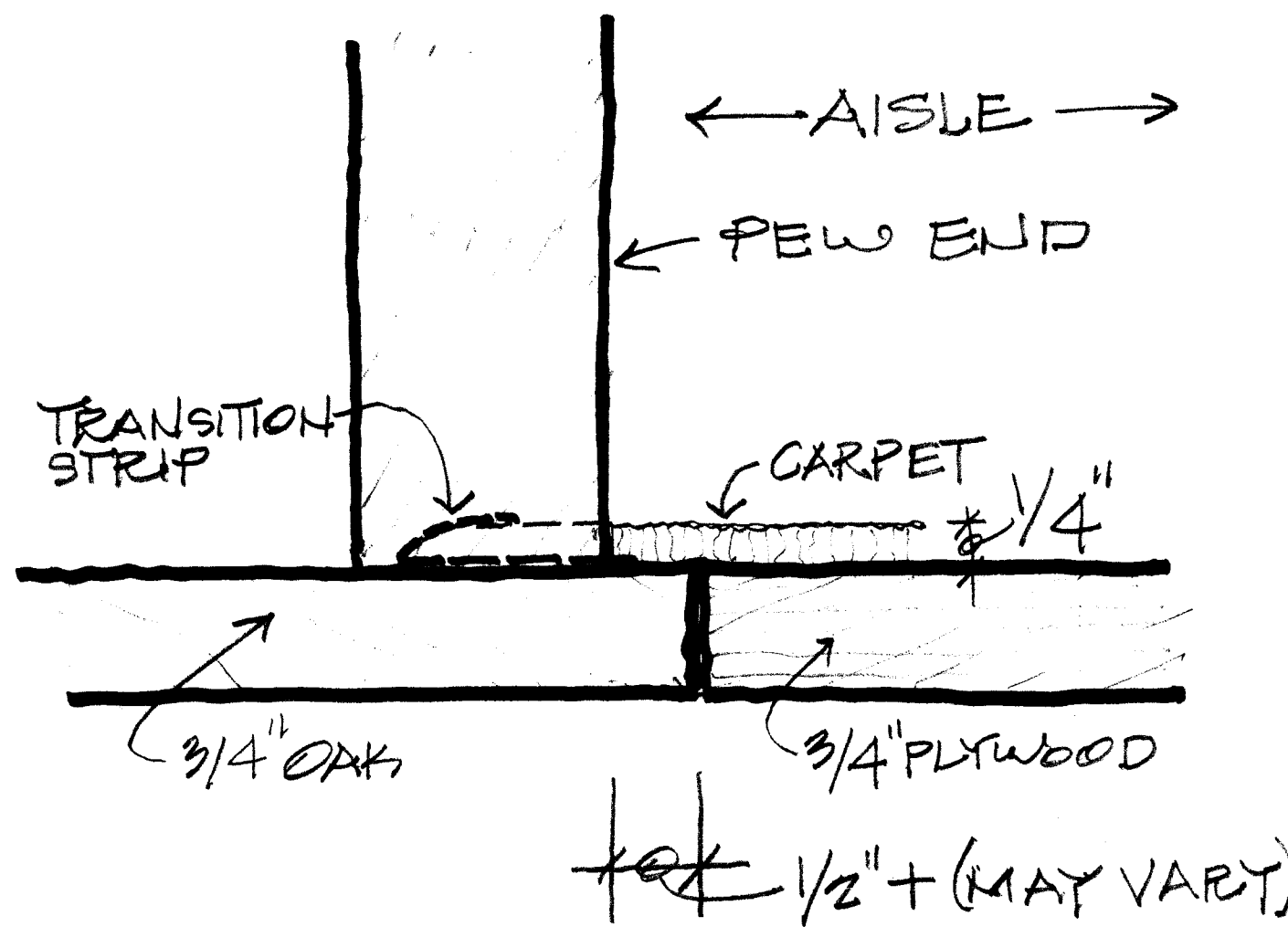
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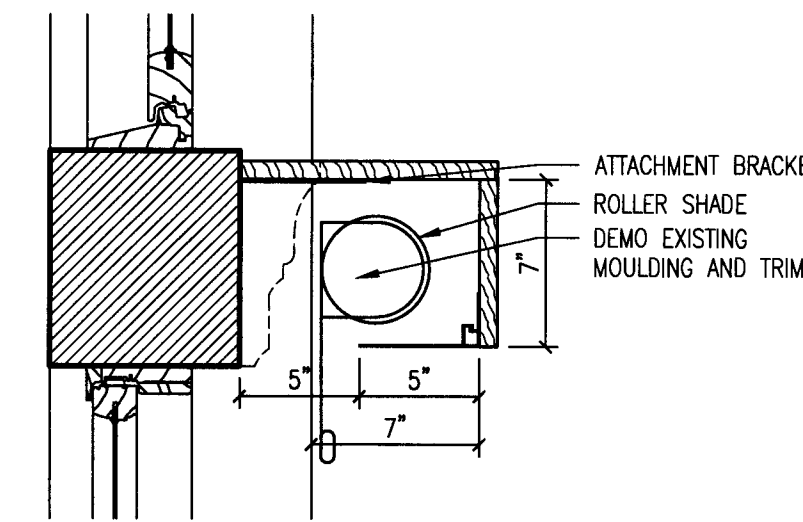
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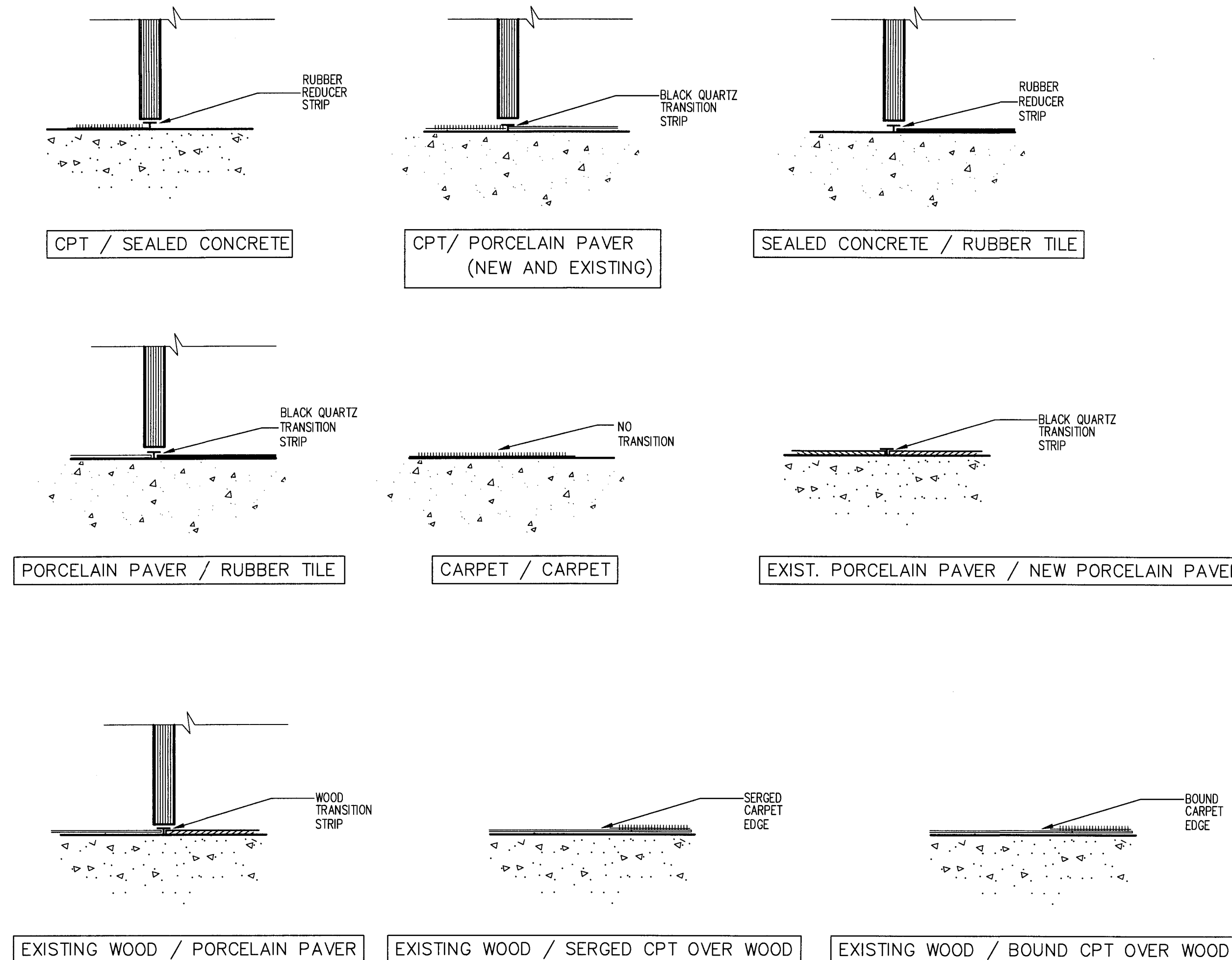


ROPPE TRANSITION STRIP
BETWEEN PEW ENDS
ROPPE #161 VINYL OR RUBBER
COLOR #110 BROWN

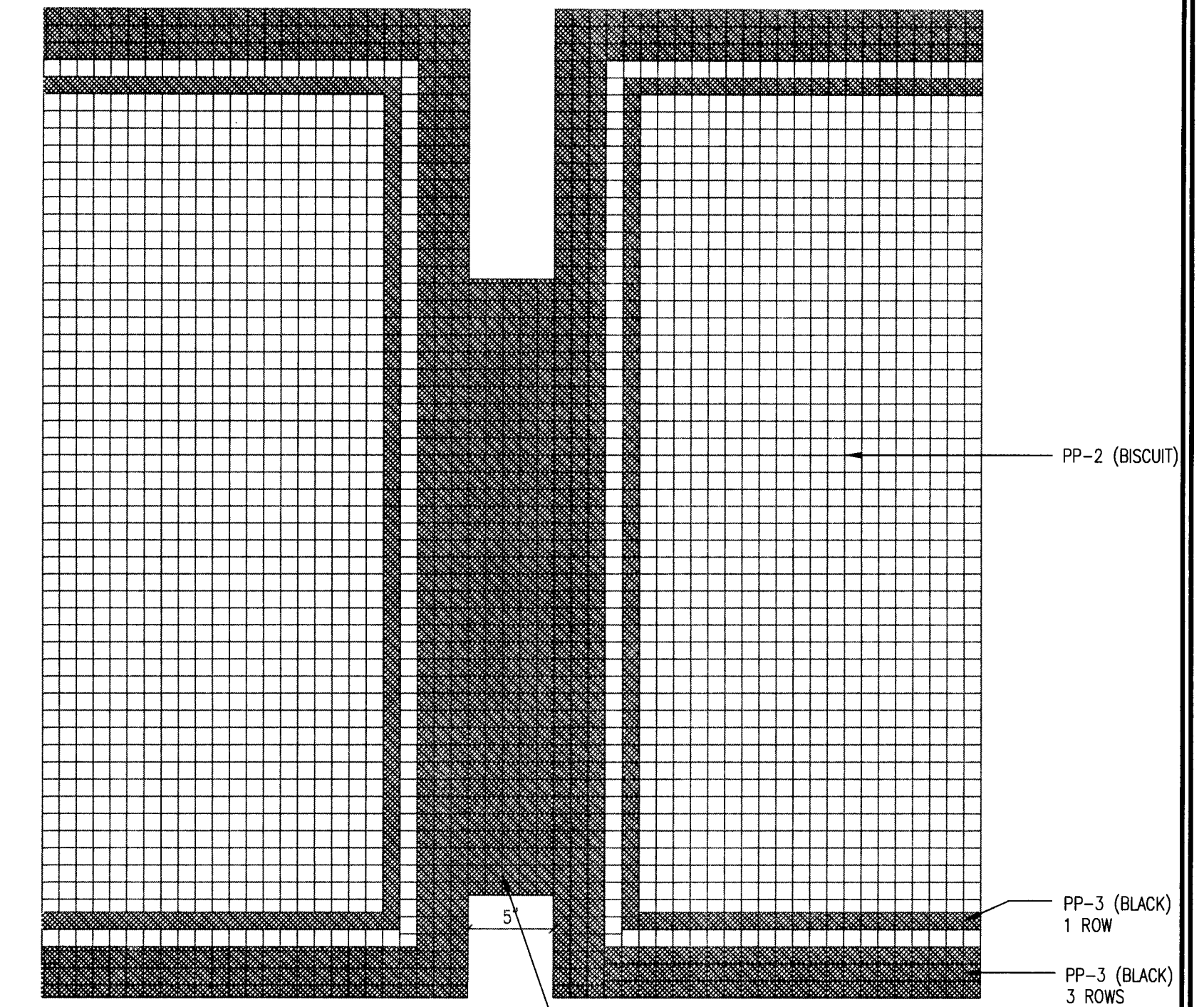
Justin Stewart
10/28/16



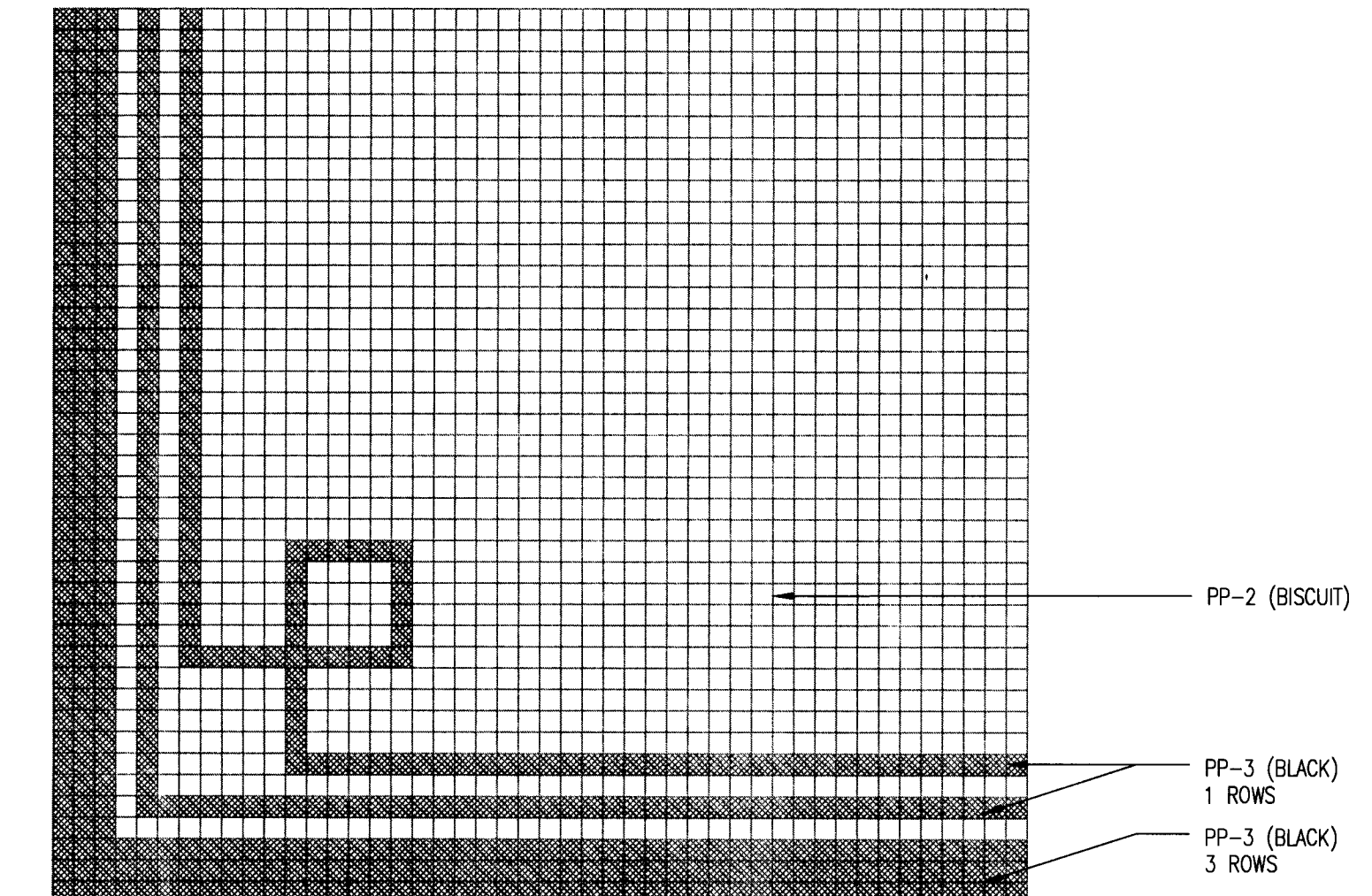
6 ROLLER SHADE POCKET DETAIL
7.06 1 1/2" = 1'-0"



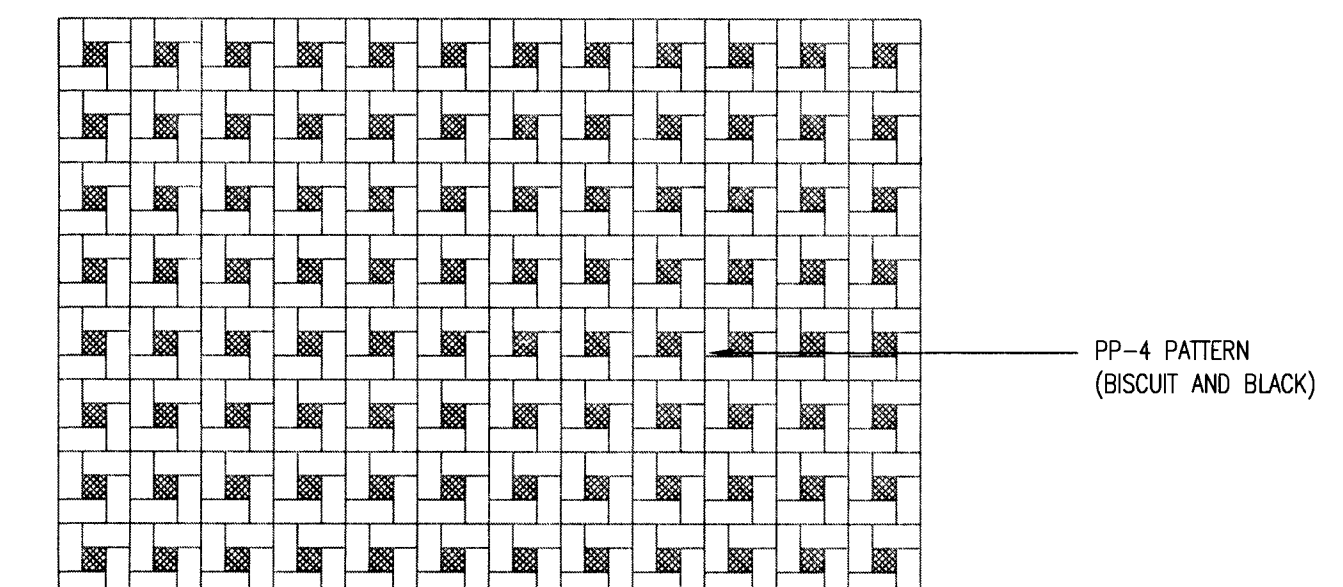
5 FLOOR TRANSITIONS
7.06 N.T.S.



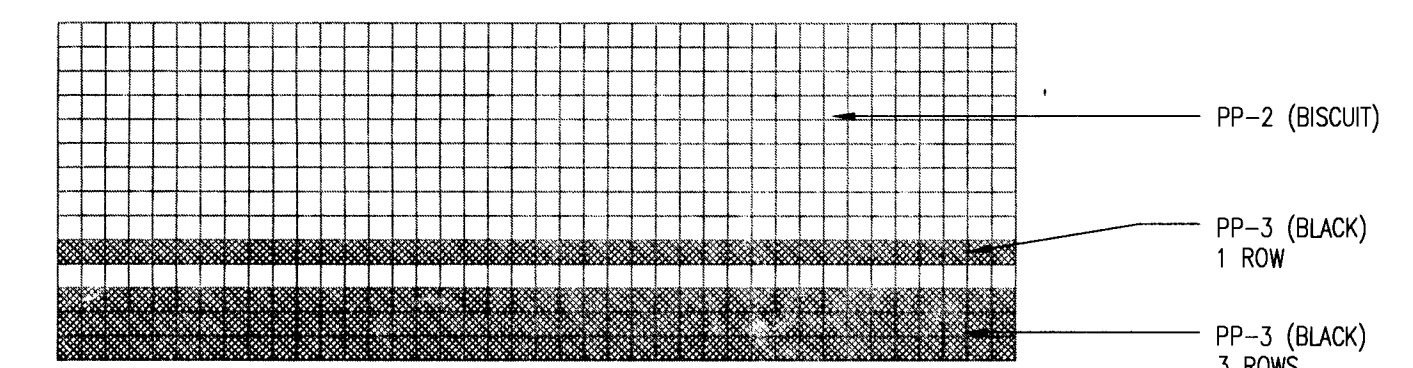
4 CORRIDOR 328/331 TILE PATTERN
7.06 1 1/2" = 1'-0"



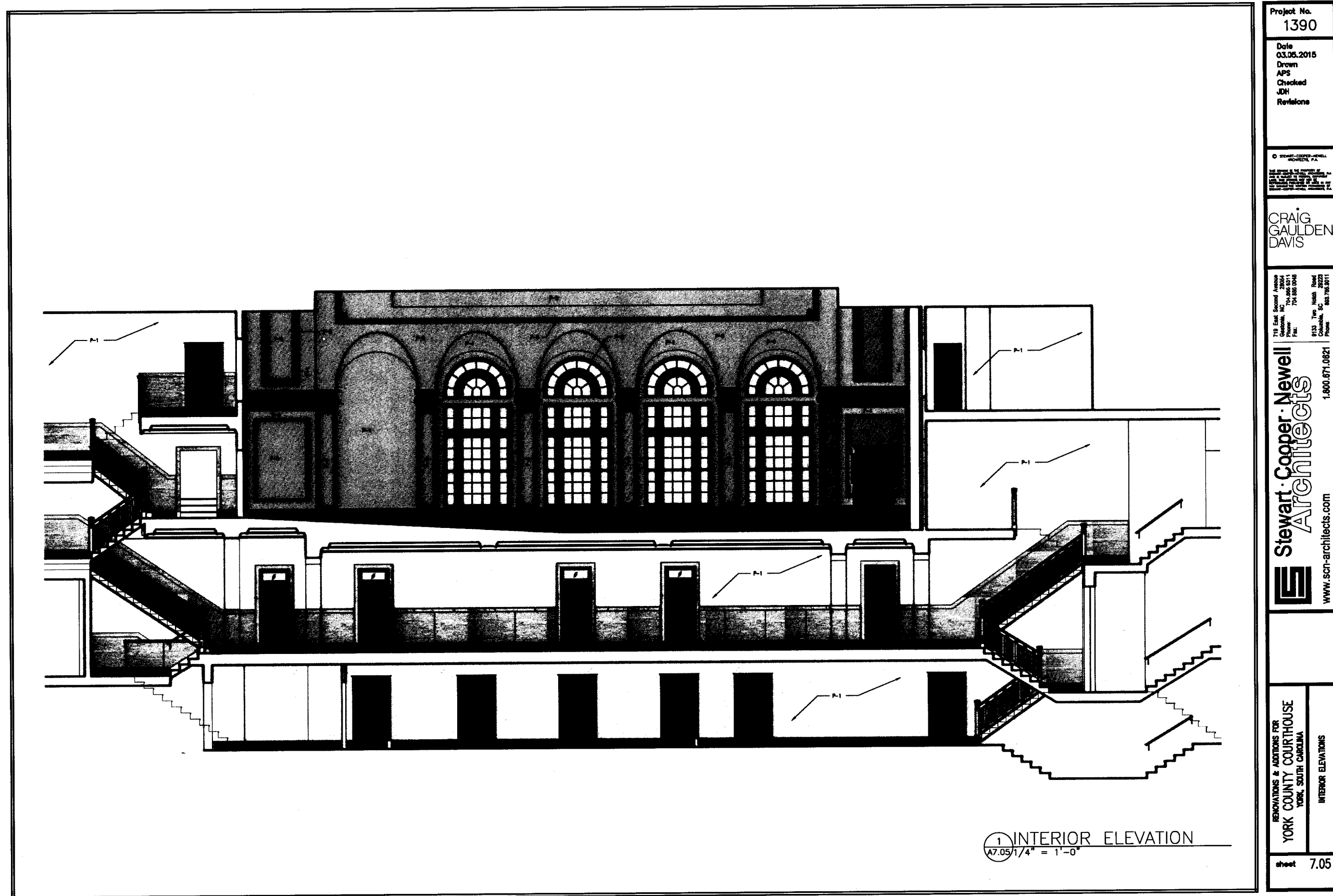
3 MAIN ENTRANCE 100 TILE PATTERN
7.06 1 1/2" = 1'-0"



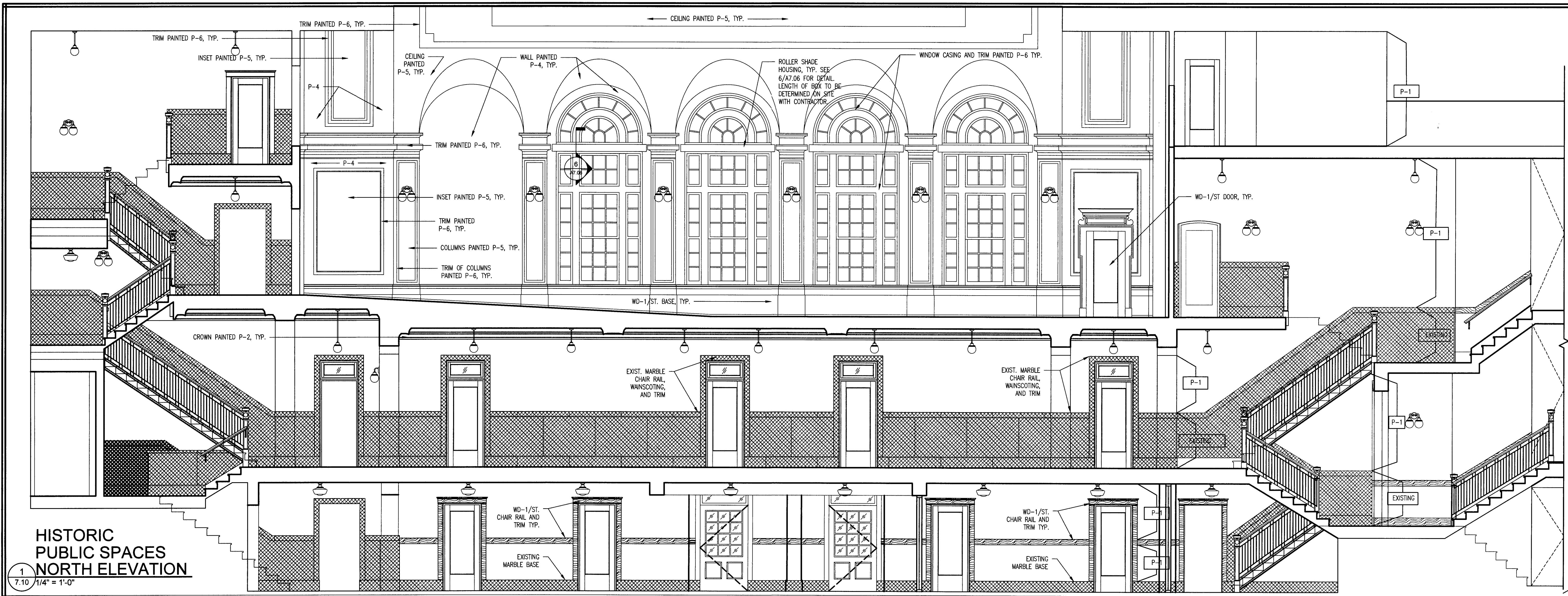
2 TYP. TOILET & BREAKROOM TILE PATTERN
7.06 1 1/2" = 1'-0"



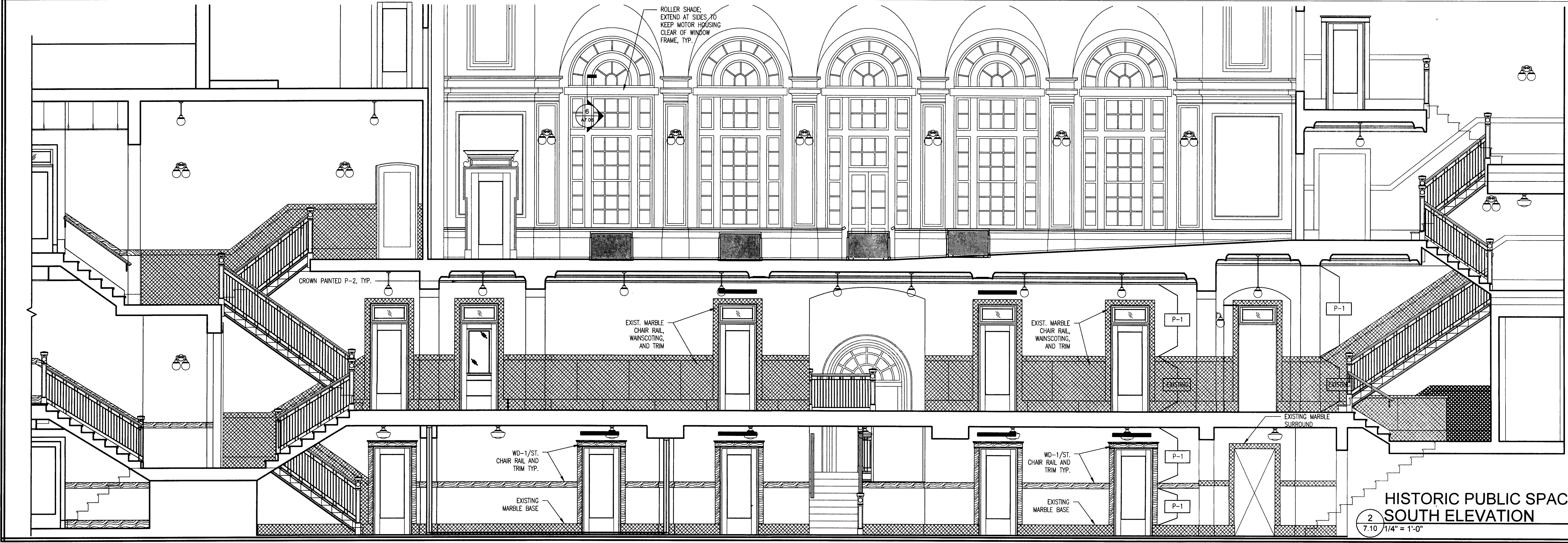
1 PP-2, 3 BORDER TYP.
7.06 1 1/2" = 1'-0"



Project No. 1390	
Date 03.03.2015	By JPM
Checked JPM	Reviewed JPM
CRAIG GAULDEN DAVIS	
Stewart Cooper Newell Architects	
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RENDERING & ARCHITECT FOR YORK COUNTY COURTHOUSE 2015.03.03.2015 INTERIOR ELEVATION	
Sheet	7.05



**HISTORIC PUBLIC SPACES
NORTH ELEVATION**



**HISTORIC PUBLIC SPACES
SOUTH ELEVATION**

Project No.
1390

Date
07.21.2015

Drawn
AJK

Checked
JDH

Issue for
Construction

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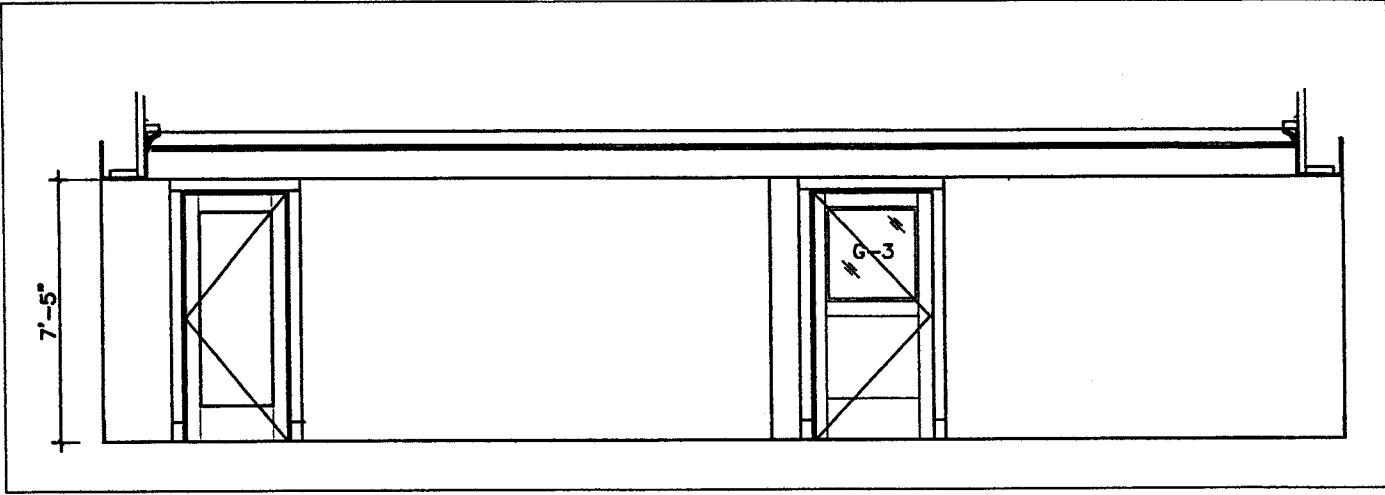
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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet **7.10**

INTERIOR ELEVATIONS



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REFERENCE SHEET NO. 7.11

DOORS AT PROBATE 106

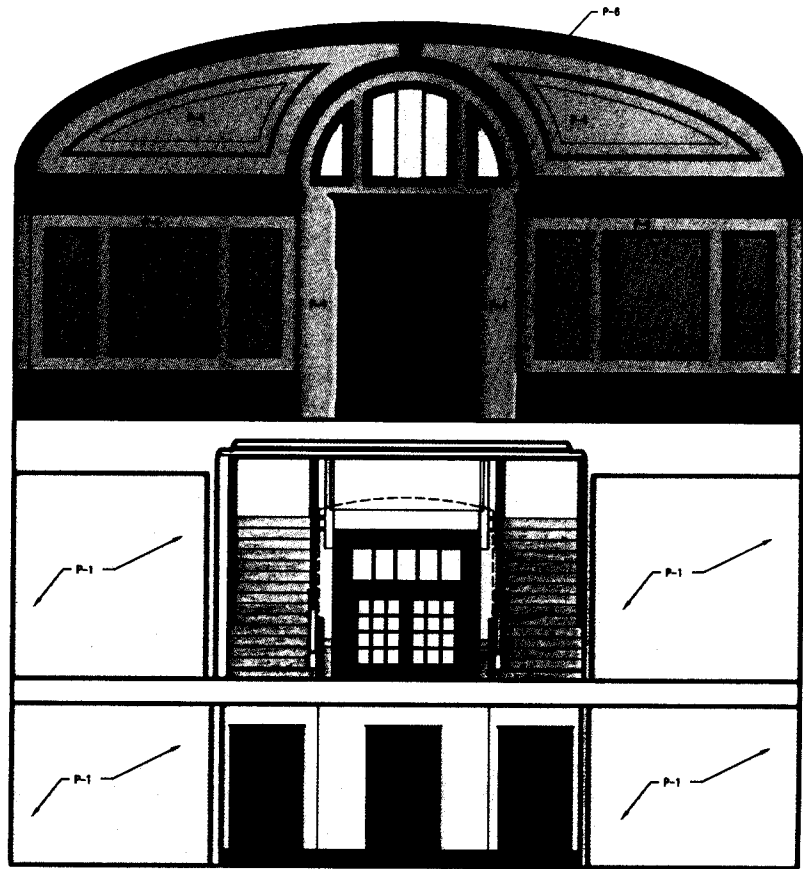
DATE

08.27.16

YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ARCHITECTURAL CLARIFICATION DRAWING

CLR-6



INTERIOR ELEVATION
07.09/14" = 1'-0"

Project No.
1390

Date
03.08.2015

Drawn
JMS

Checked
JMS

Reviewed

CRAIG GAILDEN
DAVIS

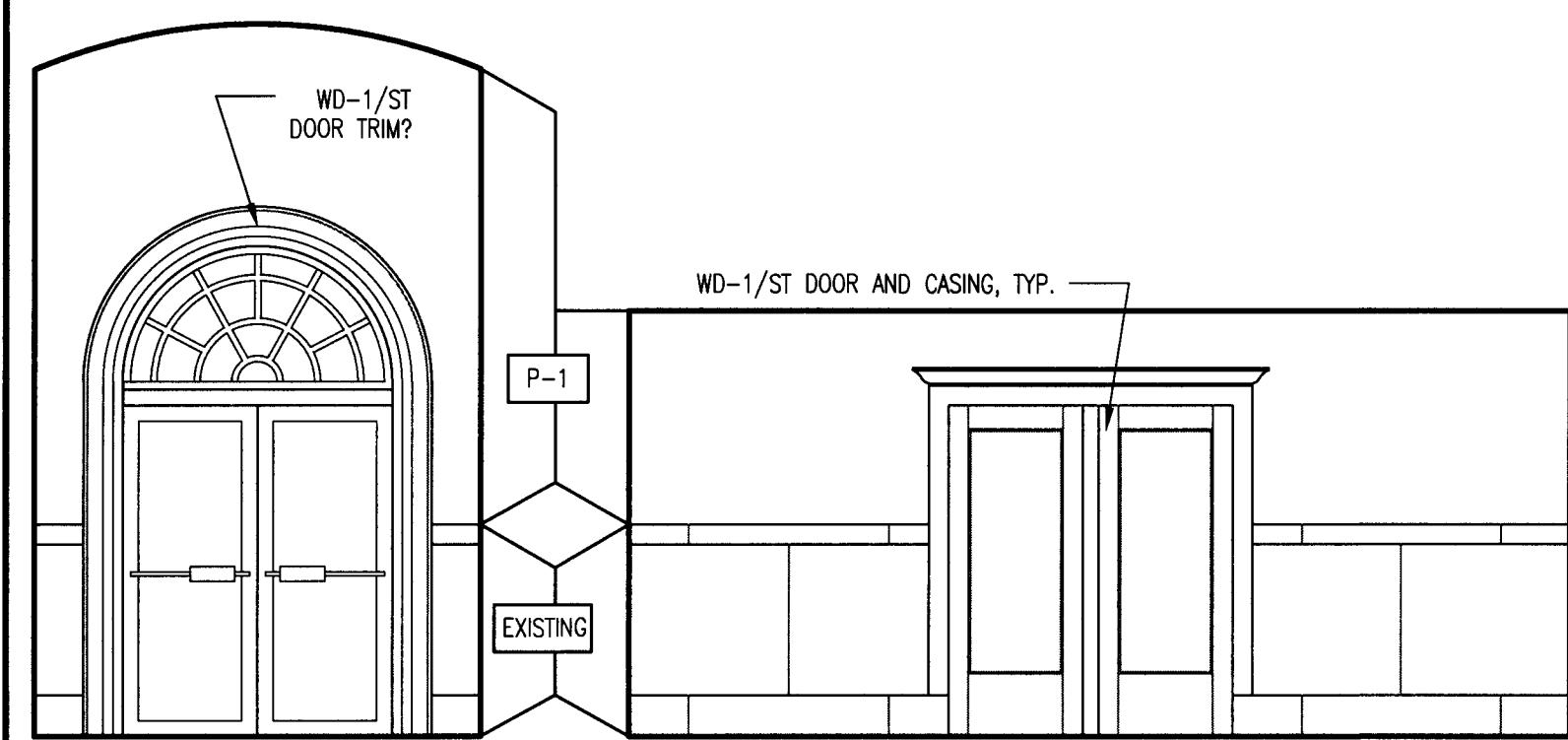
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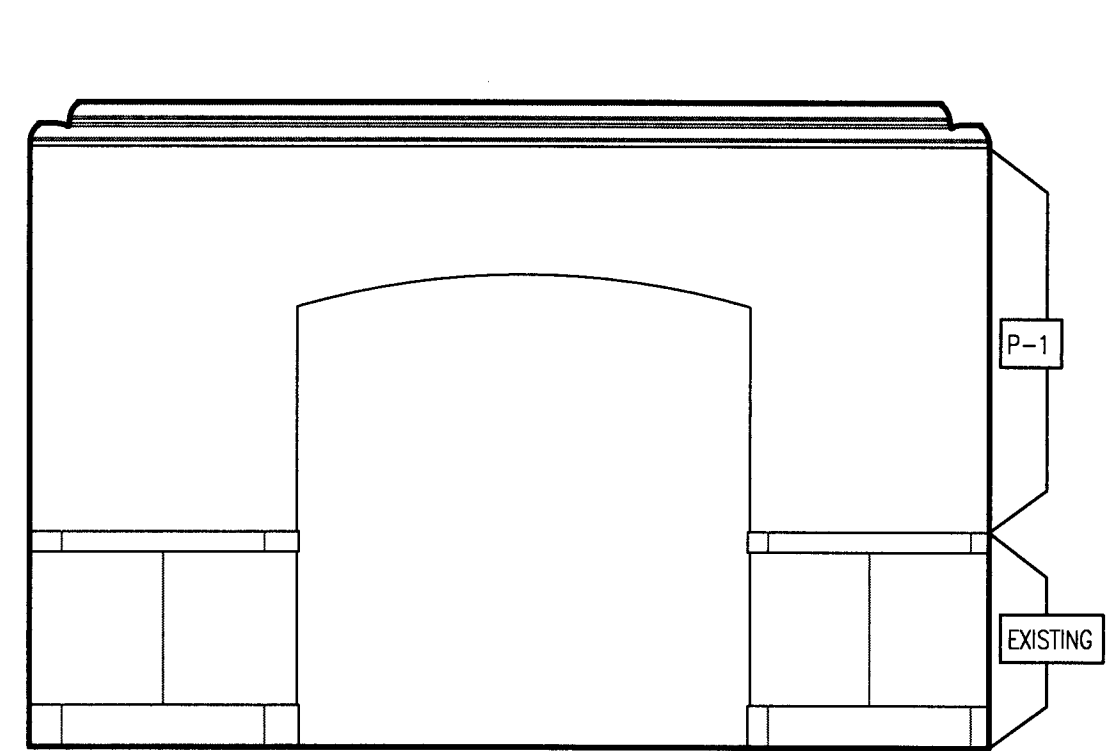
REVISIONS: 2. ADJUSTED FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

REVISION ELEVATIONS

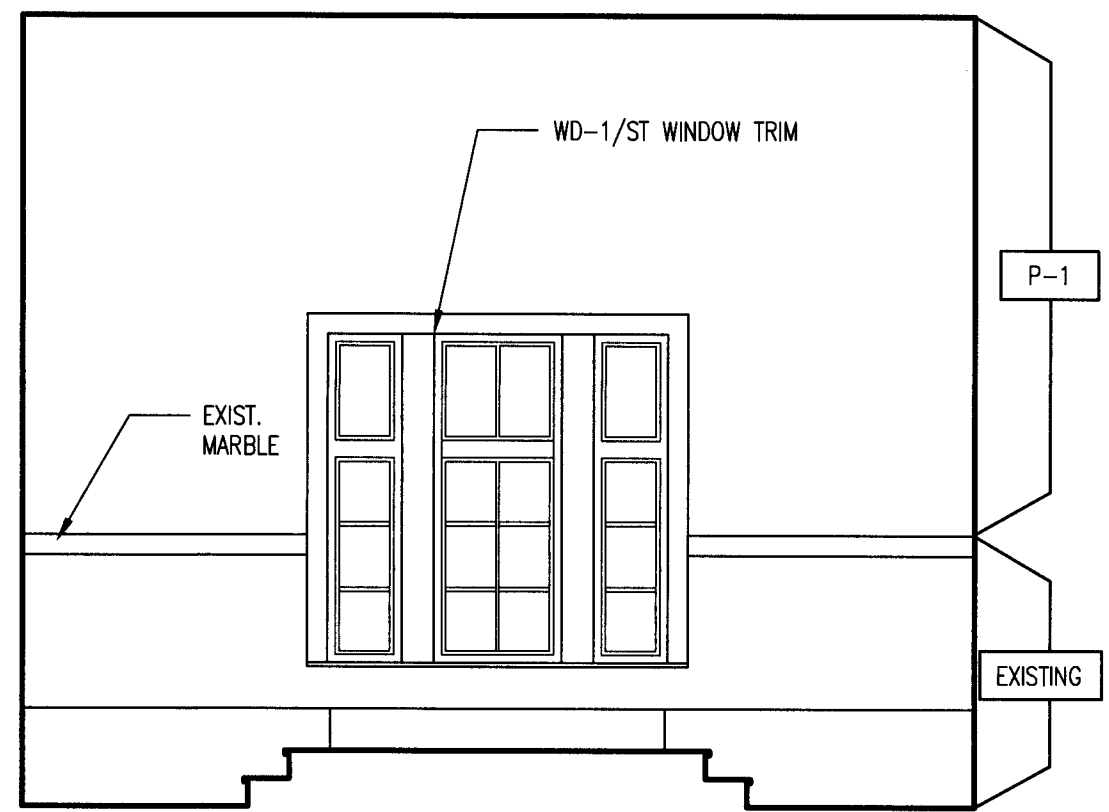
Sheet 7.06



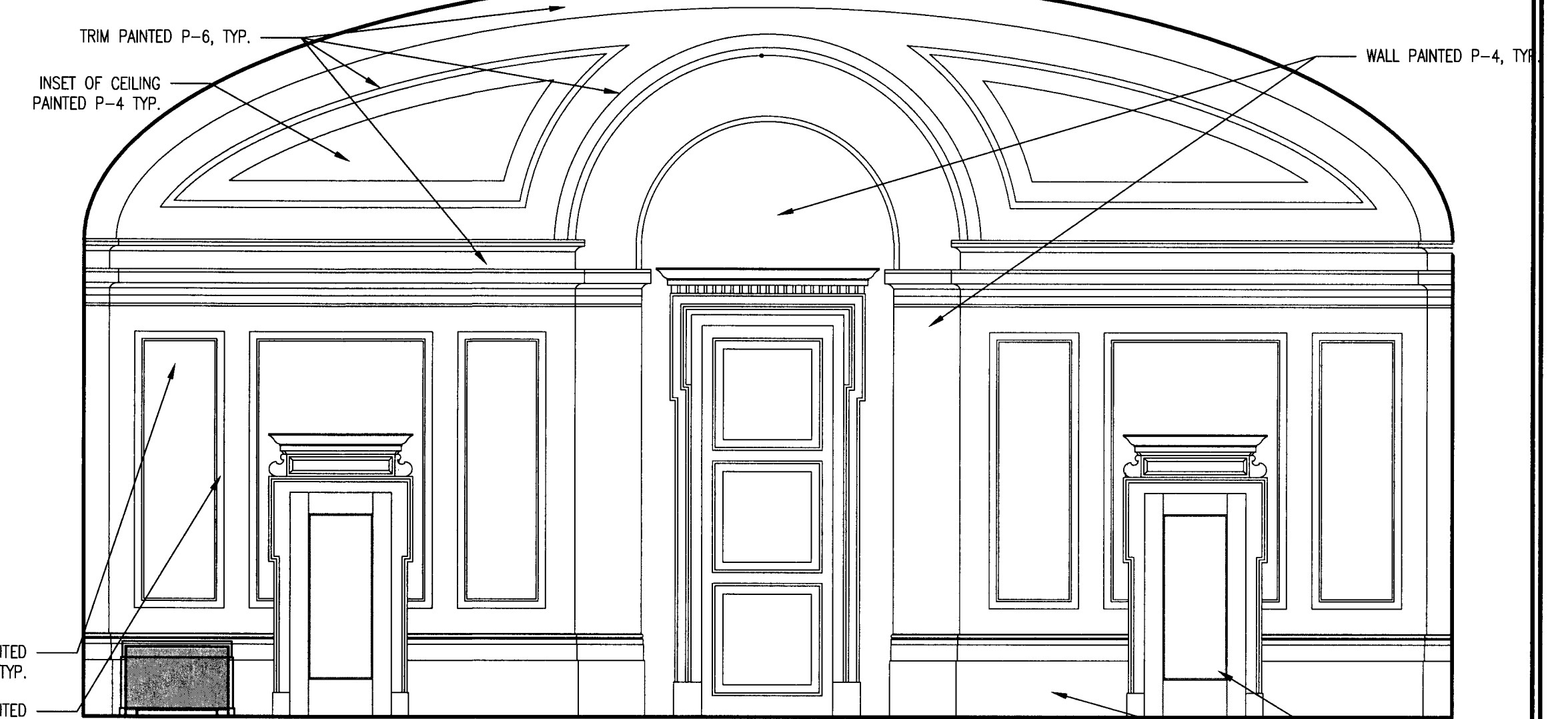
STAIR 237 SOUTH ELEV.
7.11 1" = 1'-0"



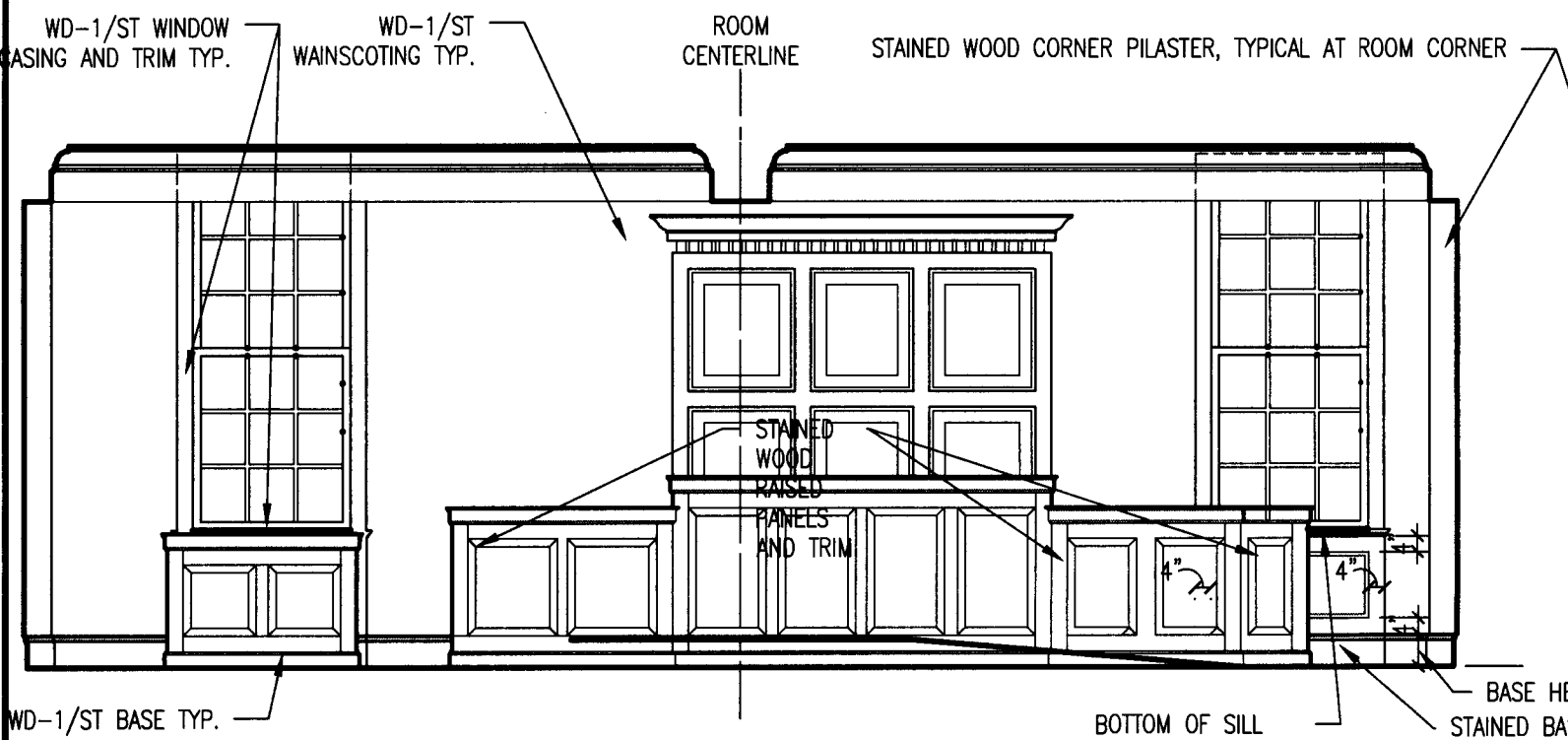
LOBBY 300 EAST ELEVATION
7.11 1" = 1'-0"



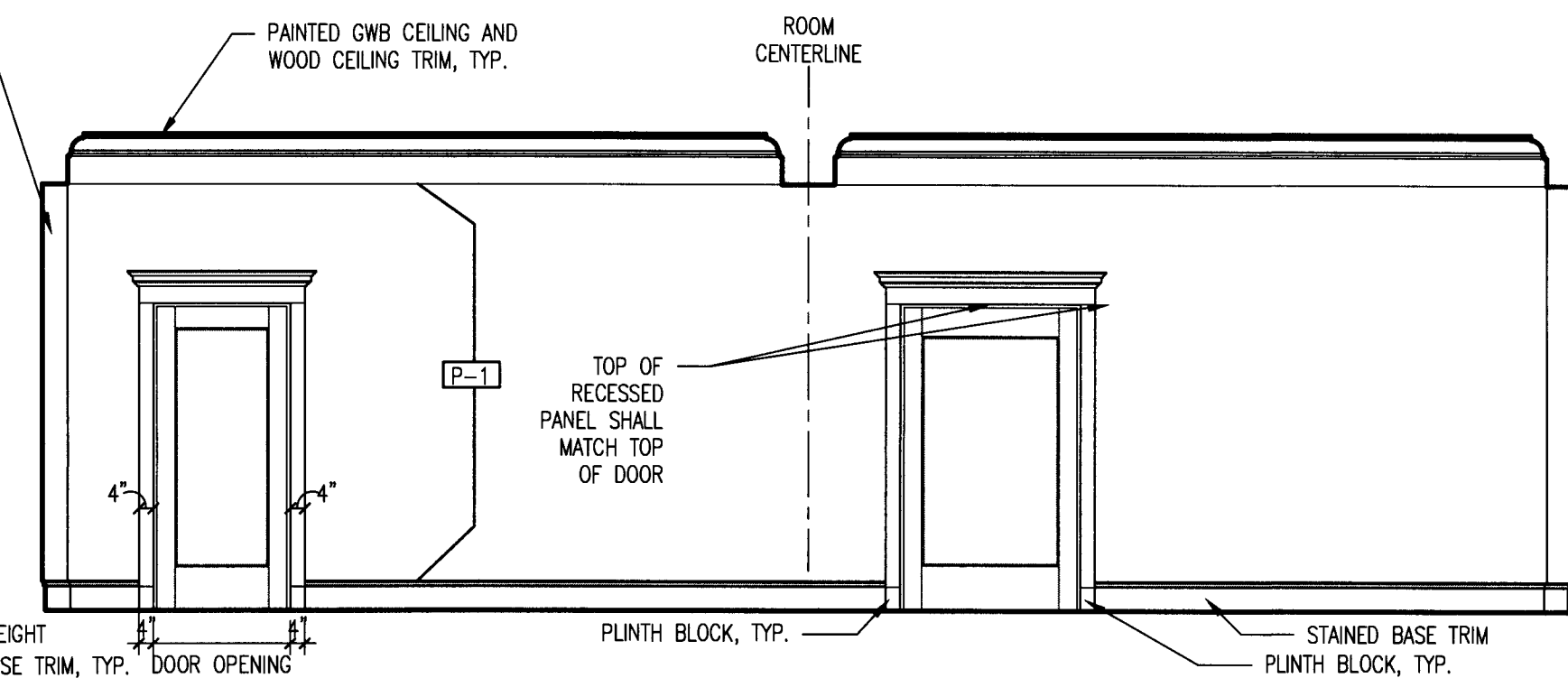
CORRIDOR 201 LANDING ELEV.
7.11 1" = 1'-0"



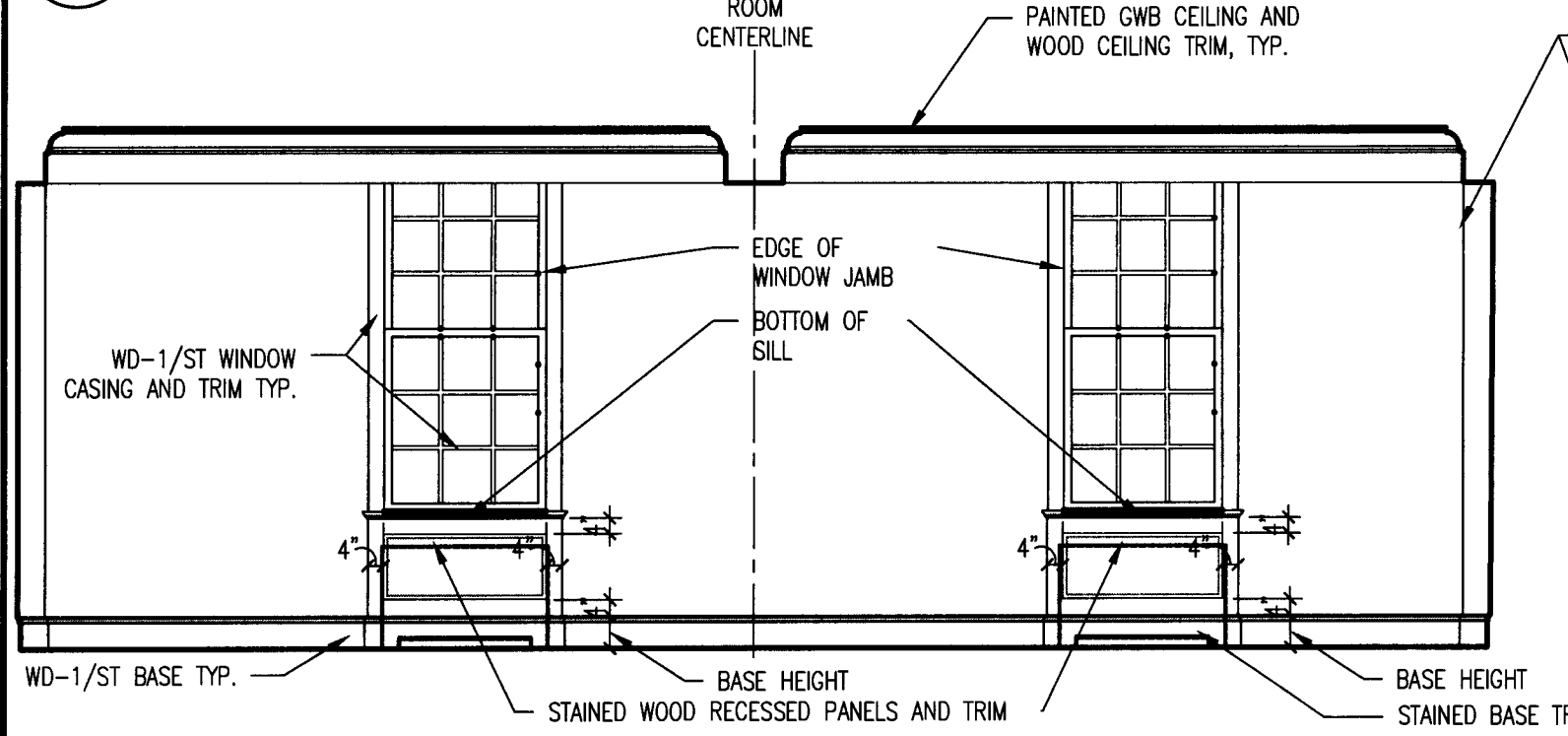
LANDING 340 WEST ELEVATION
7.11 1" = 1'-0"



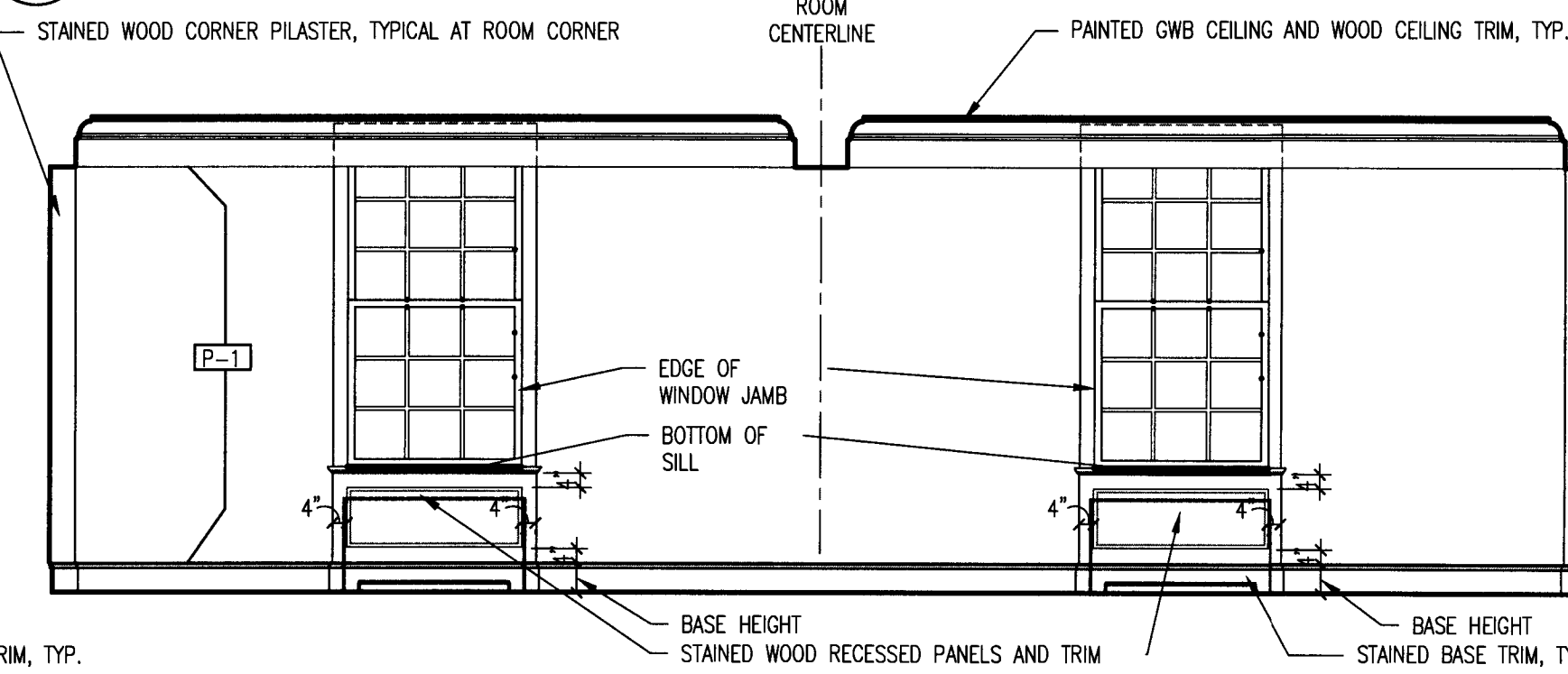
MASTER IN EQUITY 203 - EAST
7.11 1" = 1'-0"



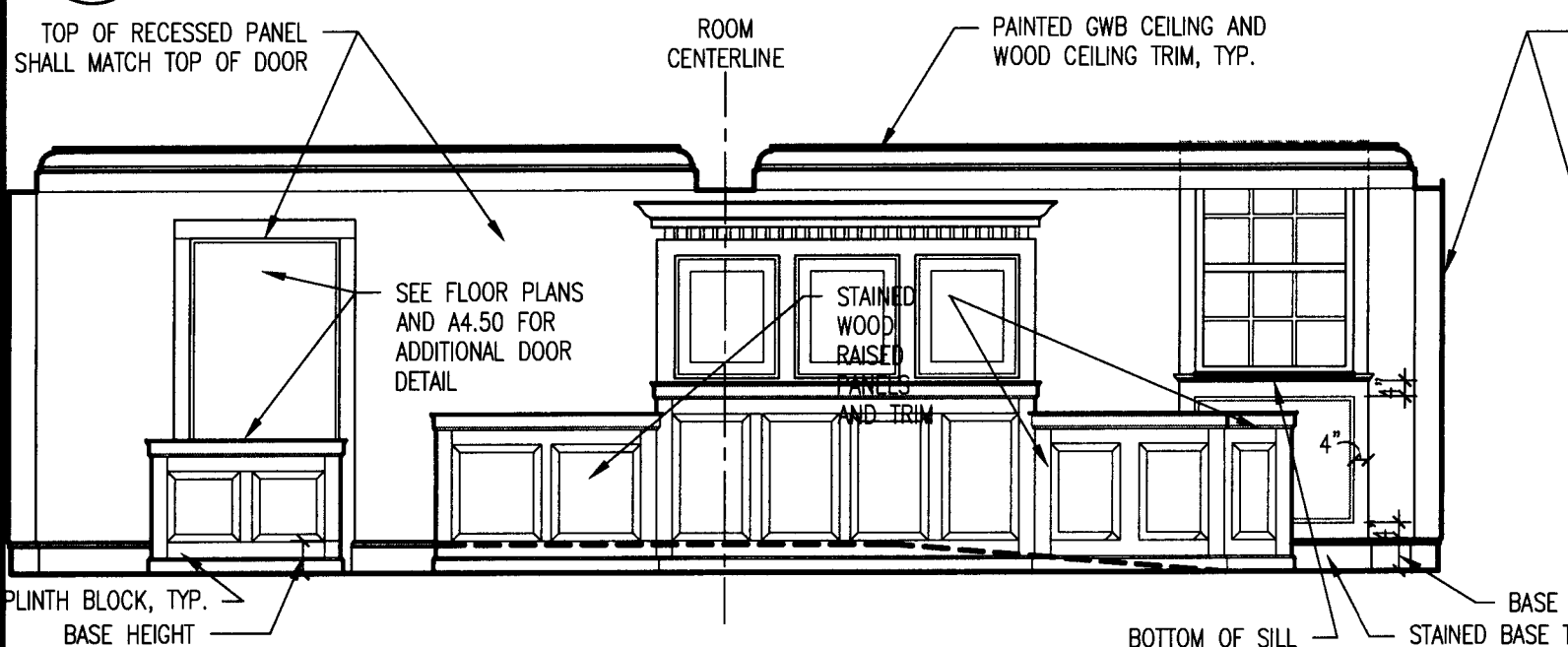
MASTER IN EQUITY 203 - SOUTH
7.11 1" = 1'-0"



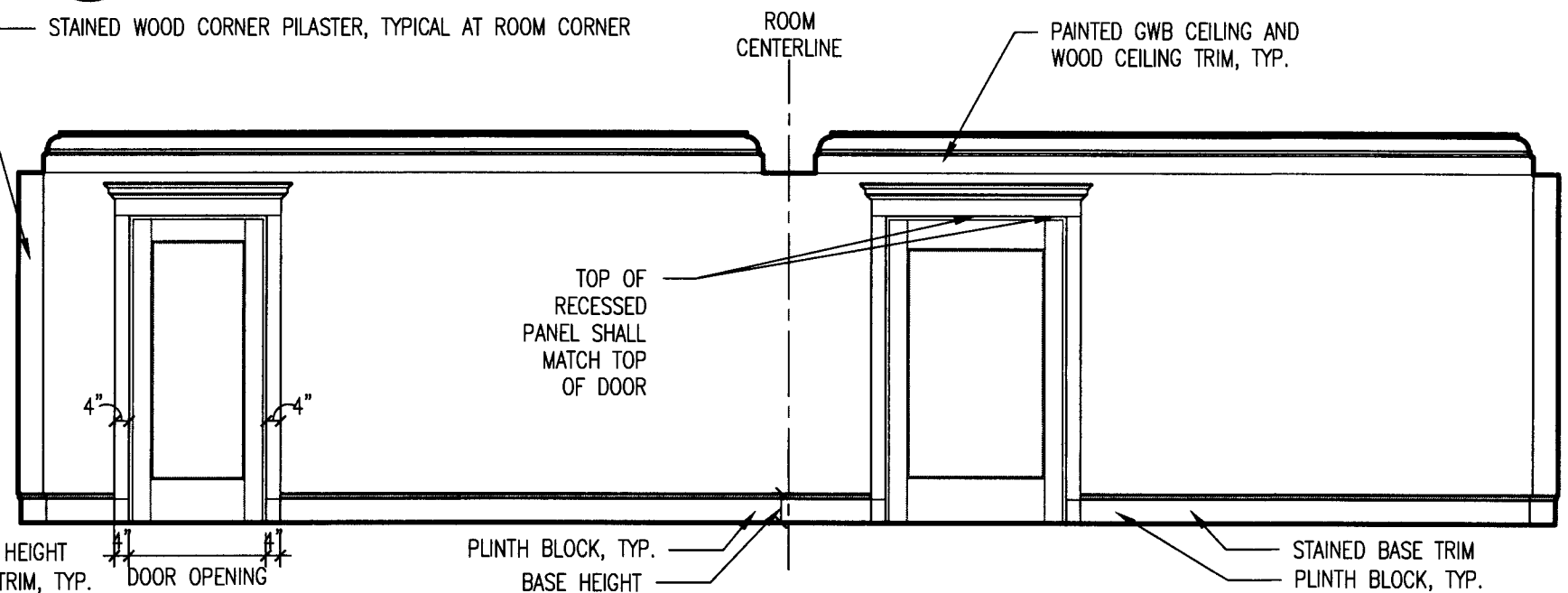
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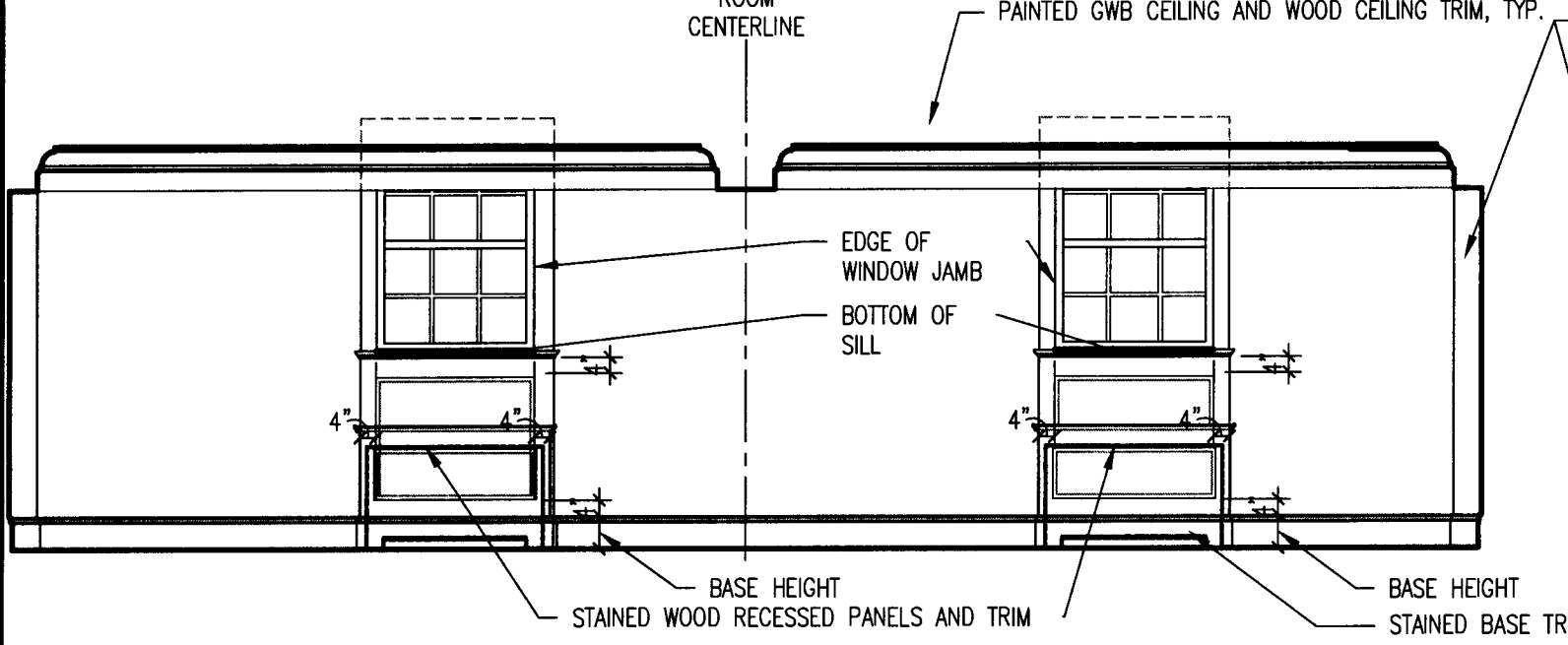
MASTER IN EQUITY 203 - NORTH
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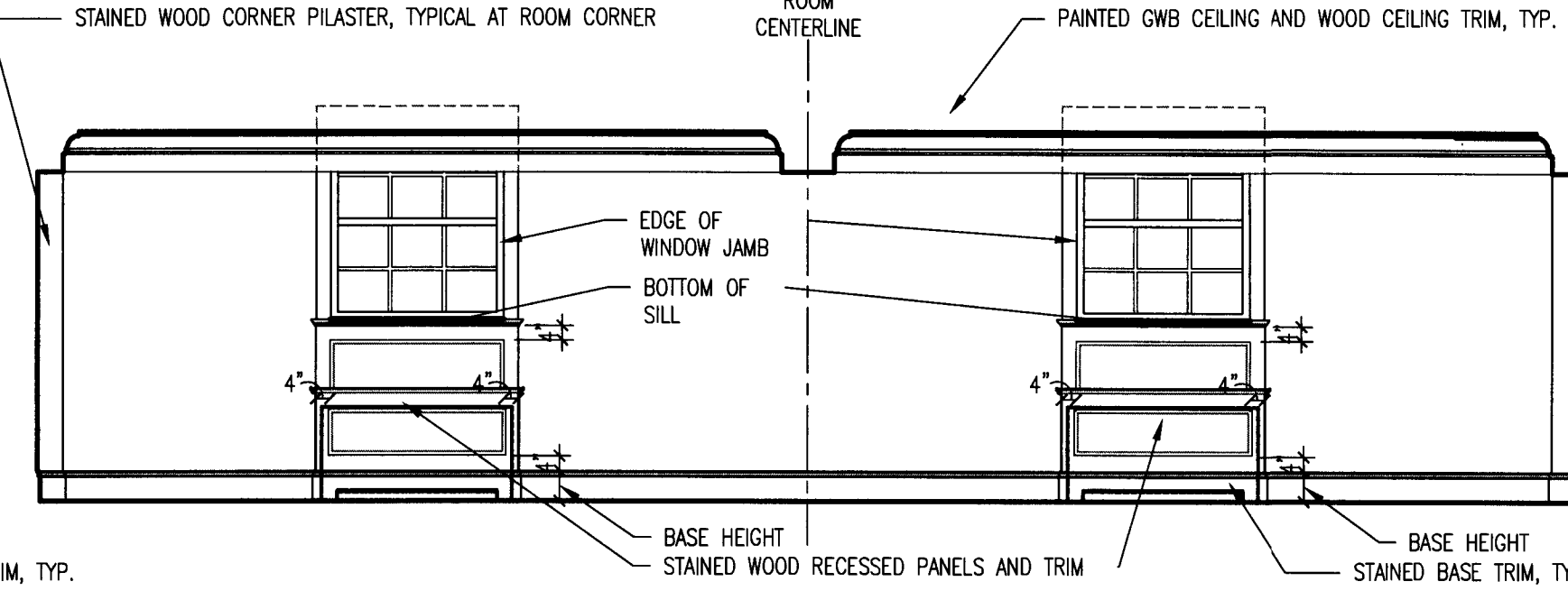
PROBATE 106 - EAST
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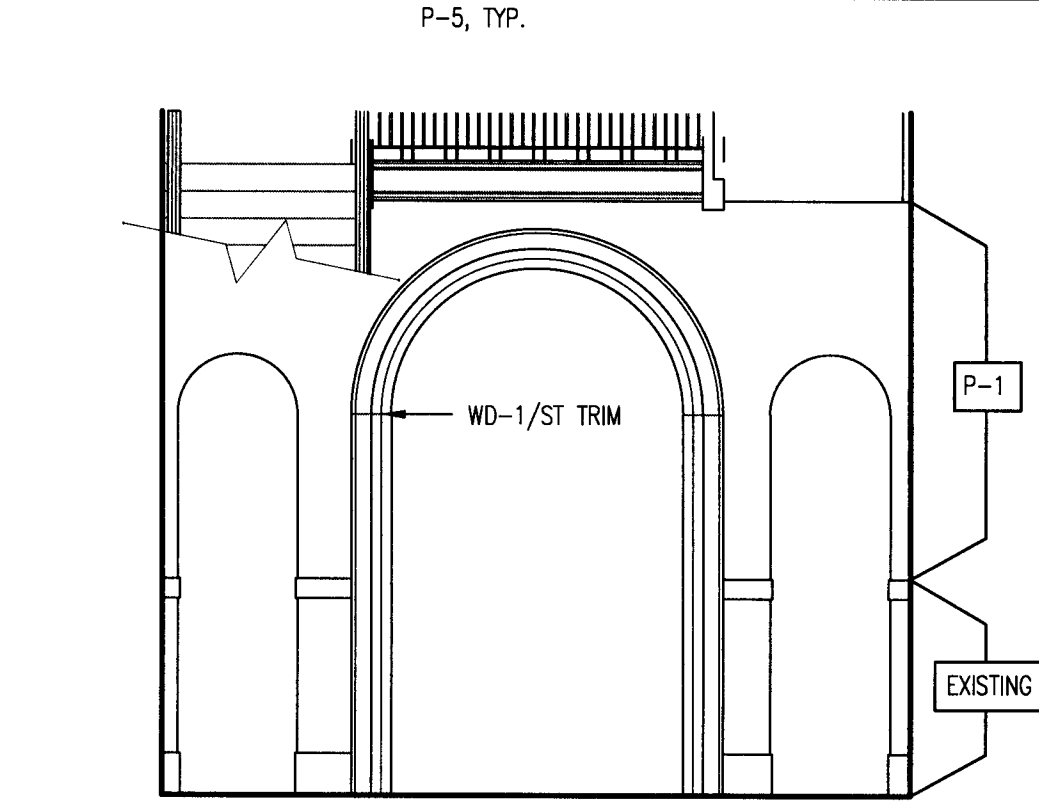
PROBATE 106 - SOUTH
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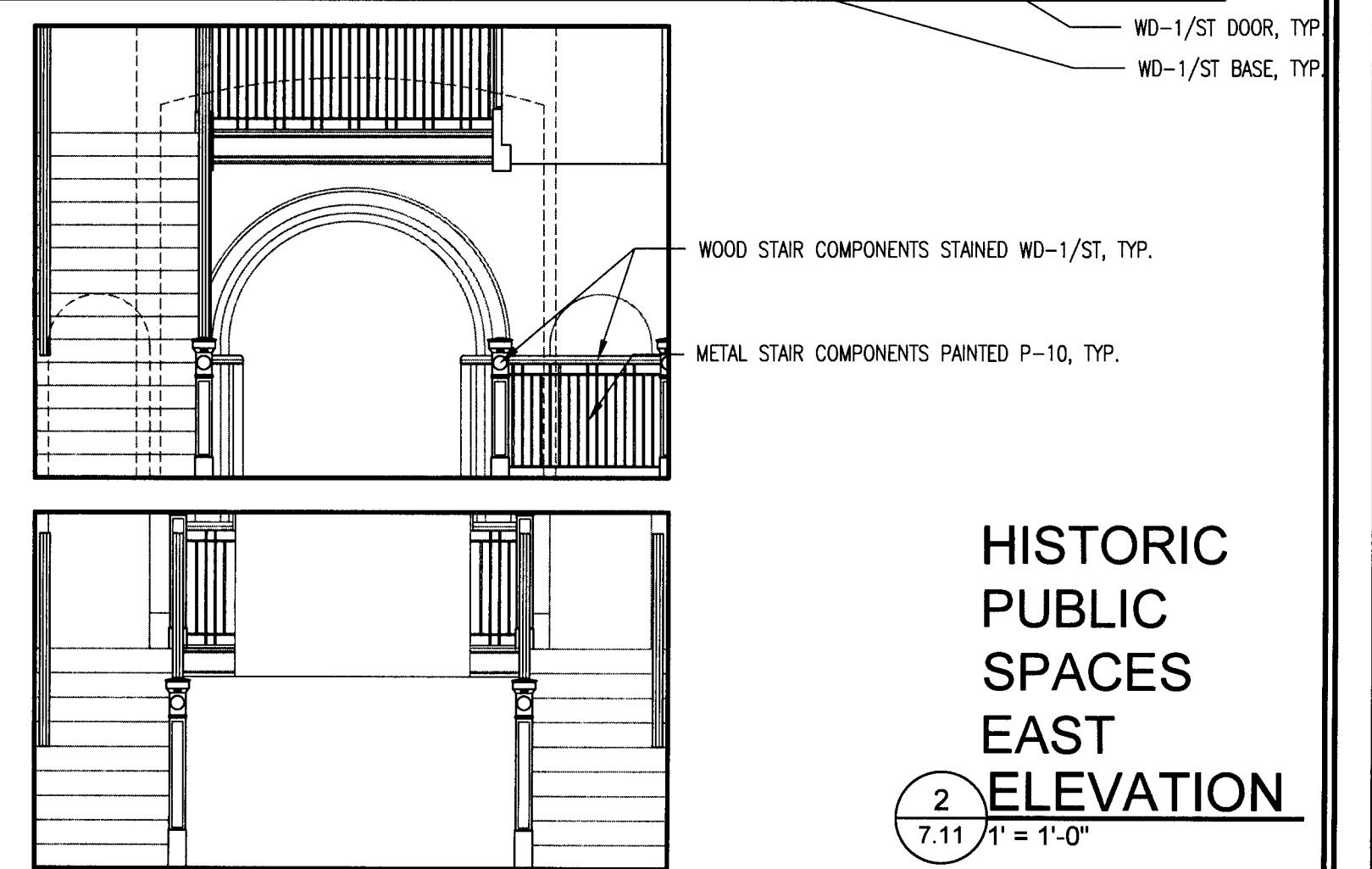
PROBATE 106 - WEST
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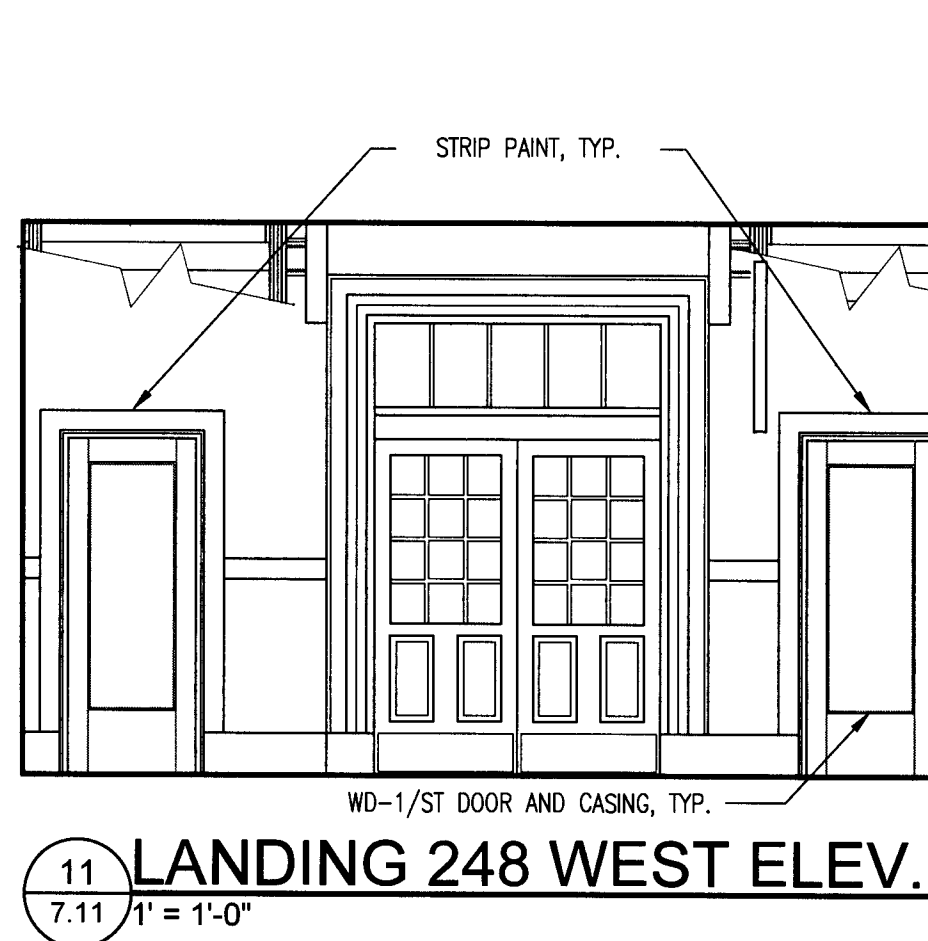
PROBATE 106 - NORTH
7.11 1" = 1'-0"



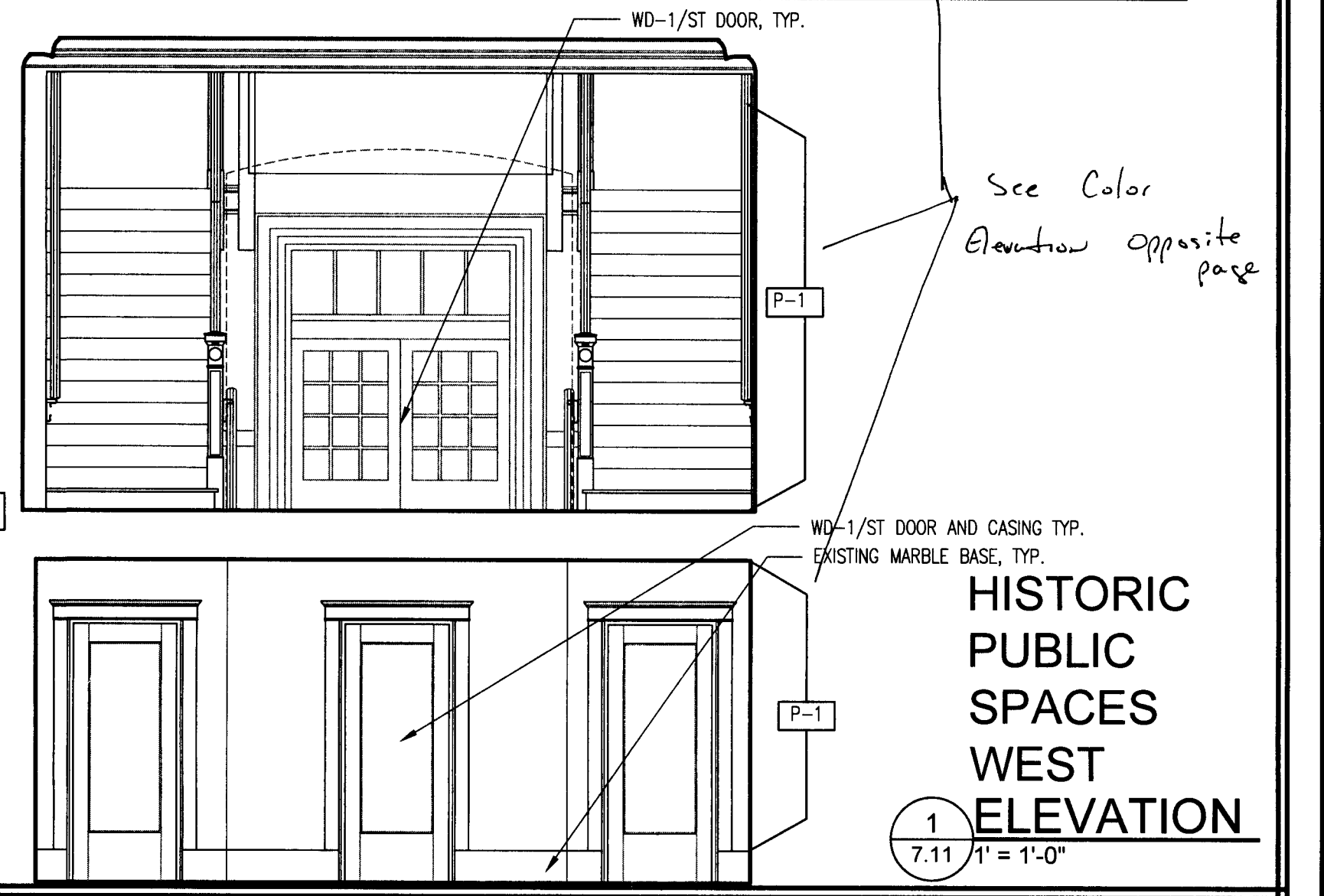
LANDING 251 EAST ELEV.
7.11 1" = 1'-0"



HISTORIC PUBLIC SPACES EAST ELEVATION
7.11 1" = 1'-0"



LANDING 248 WEST ELEV.
7.11 1" = 1'-0"



HISTORIC PUBLIC SPACES WEST ELEVATION
7.11 1" = 1'-0"

Project No.
1390

Date
07.21.2015
Drawn
AJK
Checked
JDH
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Construction

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RENOVATIONS & ADDITIONS FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
INTERIOR ELEVATIONS

sheet 7.11

PLUMBING MATERIALS AND NOTES

DOMESTIC WATER PIPING:

- DOMESTIC WATER PIPING AND JOINTS BELOW GRADE: PROVIDE TYPE 'K' SOFT ANNEALED SEAMLESS COPPER TUBING (ASTM B 88) WITH NO JOINTS FOR PIPING 2½" AND SMALLER. PROVIDE DUCTILE IRON PIPE AND FITTINGS (AWWA C151, AWWA C110) WITH RUBBER GASKET JOINTS AND ROOS (AWWA C111) PIPING 3" AND LARGER.
- DOMESTIC WATER PIPING AND JOINTS ABOVE GRADE: PROVIDE TYPE 'L' HARD DRAWN SEAMLESS COPPER TUBING (ASTM B 88) AND CAST COPPER ALLOY FITTINGS (ASME B16.18). JOINTS 1" AND SMALLER SHALL BE LEAD FREE 95-5 TIN/SILVER SOLDER JOINTS (ASTM B 32), JOINTS 1¼" AND LARGER SHALL BE BCUP SILVER/PHOSPHORUS/COPPER BRAZED JOINTS (AWS A5.8) OR PROVIDE COPPER PIPE AND FITTINGS AS SPECIFIED ABOVE EXCEPT WITH GROOVED ENDS (ASTM B 88, ASME B16.18) AND JOINTS UTILIZING GROOVED MECHANICAL COUPLINGS MEETING (ASTM F1476).
- STERILIZE THE DOMESTIC WATER SYSTEM IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- INSULATE DOMESTIC WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH GLASS FIBER INSULATION HAVING A VAPOR BARRIER AND JACKET. PIPE INSULATION SHALL HAVE A CONDUCTIVITY NOT EXCEEDING 0.27 BTUH x SQ. FT. FOLLOW SCHEDULE BELOW:

SERVICE TYPE	PIPE SIZES	INSULATION THICKNESS
DOMESTIC HOT WATER & CIRCULATION	½" – 1¼"	1"
DOMESTIC COLD WATER	½" – 1¼"	½"
DOMESTIC COLD WATER	1½" – 4"	1"
- DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD AND SHALL BE PLENUM RATED. PROVIDE PVC JACKET FOR EXPOSED PIPING IN MECHANICAL ROOMS.
- PROVIDE TWO-PIECE, BRONZE OR BRASS BODY, FULL PORT, 600 PSI WOG, BALL TYPE SHUT-OFF VALVES WITH GLOW-OUT PROOF STEMS AND ADJUSTABLE PACKING GLANDS. VALVES SHALL BE LEAD FREE PER NSF 61, ANNEX G REQUIREMENTS. INSTALL VALVES IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.
- PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS AND CLIPS SHALL BE COPPER OR RED BRASS SLEEVES. WHERE COPPER PIPING IS CARRIED ON TRAPEZE HANGERS WITH OTHER PIPING, PROVIDE A PERMANENT ELECTROLYTIC ISOLATION MATERIAL TO PREVENT CONTACT WITH DISSIMILAR OTHER METALS.
- PROTECT COPPER PIPING AGAINST CONTACT WITH ALL MASONRY. WHERE COPPER IS SLEEVED THROUGH MASONRY, PROVIDE COPPER OR RED BRASS SLEEVES. WHERE COPPER MUST BE CONCEALED IN OR AGAINST MASONRY PARTITIONS, PROVIDE A HEAVY COATING OF ASPHALTIC ENAMEL ON THE COPPER PIPING AND 15# ASPHALT SATURATED FELT BETWEEN THE PIPING AND THE MASONRY PARTITION.
- DOMESTIC WATER PIPING SHALL BE SLOPED FOR DRAINAGE WITH DRAIN VALVES INSTALLED AT LOW POINTS.

SANITARY WASTE / VENT AND STORM DRAIN PIPING:

- SANITARY WASTE AND STORM DRAIN PIPING BELOW GRADE: PROVIDE SERVICE WEIGHT CAST IRON HUB AND SPIGOT PIPE (ASTM A 74) WITH COMPRESSION JOINTS (CISPI HSN) AND NEOPRENE GASKETS (ASTM C 564) OR NO-HUB PIPE AND FITTINGS (CISPI 301) WITH NEOPRENE GASKET/STAINLESS STEEL CLAMP JOINTS (CISPI 310) OR PROVIDE SCHEDULE 40 PVC PIPE AND SOCKET FITTINGS (ASTM D 2865) WITH SOLVENT WELD JOINTS (ASTM D2855). FOAM CORE PVC PIPE IS NOT APPROVED. PROVIDE CAST IRON PIPING SPECIFIED ABOVE FOR ALL KITCHEN AND MECHANICAL ROOM WASTE PIPING. PVC IS NOT ACCEPTABLE IN THESE AREAS. INSTALL PLASTIC PIPE BELOW GRADE PER ASTM D2321.
- SANITARY WASTE/VENT AND STORM DRAIN PIPING ABOVE GRADE: PROVIDE SERVICE WEIGHT CAST IRON NO-HUB PIPE AND FITTINGS (CISPI 301) WITH NEOPRENE GASKET AND STAINLESS STEEL CLAMP JOINTS (CISPI 310) OR PROVIDE SCHEDULE 40 PVC PIPE AND SOCKET FITTINGS (ASTM D 2865) WITH SOLVENT WELD JOINTS (ASTM D2855). FOAM CORE PIPE IS NOT APPROVED. DO NOT INSTALL PVC PIPING IN RETURN AIR PLENUMS.
- SLOPE SANITARY WASTE AND STORM DRAIN PIPING AT ¼" PER FOOT MINIMUM FOR PIPING 2½" AND SMALLER AND ⅛" PER FOOT MINIMUM FOR PIPING 3" AND LARGER UNLESS NOTED OTHERWISE.
- PROVIDE CLEAN-OUTS AT THE BASE OF SANITARY WASTE STACKS AND STORM DRAIN RISERS AND AT EVERY TURN IN PIPING IN EXCESS OF 45° AND NO FURTHER THAN 100'-0" APART IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.
- PROVIDE FLOOR CLEANOUTS WITH TOPS DESIGNED TO MATCH SPECIFIC FLOOR FINISHES SUCH AS CARPET, TILE, ETC. YARD CLEANOUTS SHALL BE PROVIDED IN AN 18"x18"x6" CONCRETE PAD.
- WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING, REMOVABLE P-TRAPS, MATCHING STOPS AND ESCUTCHEONS FOR ALL LAVATORIES.
- INSULATE MECHANICAL ROOM FLOOR DRAIN BODIES, P-TRAP AND HORIZONTAL DRAIN PIPING ABOVE GRADE WITH 1" THICK GLASS FIBER INSULATION WITH VAPOR BARRIER AND JACKET.
- INSULATE ROOF DRAIN BODIES AND HORIZONTAL PRIMARY AND SECONDARY STORM DRAIN PIPING ABOVE GRADE WITH 1" THICK GLASS FIBER INSULATION WITH VAPOR BARRIER AND JACKET.
- PIPE INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.
- SUMP PUMP DISCHARGE PIPING: PROVIDE SCHEDULE 40 GALVANIZED STEEL PIPE (ASTM A53) AND GALVANIZED 150 POUND MALLEABLE IRON FITTINGS (ASME B16.3) WITH THREADED JOINTS. SLOPE SUMP DISCHARGE LINE AT 1% SLOPE TOWARDS SUMP PUMP.

PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:

- PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE SOUTH CAROLINA STATE PLUMBING CODE AND WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- SCOPE: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL PLUMBING SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES.
- PERMITS: BUILDING PERMIT BY GENERAL CONTRACTOR. TAP FEES NOT IN CONTRACT, OWNER TO PAY DIRECTLY TO UTILITY.
- WARRANTY: PROVIDE A TWO YEAR WARRANTY, FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER, FOR ALL PLUMBING MATERIALS AND EQUIPMENT.
- COORDINATE ALL PLUMBING PIPING LOCATIONS, ROUGH-IN LOCATIONS AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. FINAL PIPING AND EQUIPMENT LOCATIONS SHALL BE A CODE COMPLIANT INSTALLATION FOR ALL TRADES.
- FIELD VERIFY PROPER OPERATION OF EXISTING SYSTEMS BEFORE STARTING CONSTRUCTION. NOTIFY THE ARCHITECT / ENGINEER OF RECORD OF ANY PROBLEMS OR DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS AND/OR ANY POTENTIAL PROBLEMS OBSERVED BEFORE CONTINUING WORK IN THE EFFECTED AREAS.
- WHERE DISCREPANCIES ARE FOUND IN THE DRAWINGS AND SPECIFICATIONS THE MORE STRINGENT SHALL APPLY. CONTACT ENGINEER FOR CLARIFICATION.
- ALL PIPING SHALL BE MANUFACTURED IN THE UNITED STATES OF AMERICA.
- ALL VALVES, BACKFLOW PREVENTERS, BOOSTER PUMPS, ETC. SERVING THE DOMESTIC WATER SYSTEM SHALL MEET LEAD FREE STANDARDS PER ANSI/NSF 372 AND NSF 61, ANNEX G.
- CUT WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF PLUMBING WORK. ALL CUTTING SHALL BE HELD TO A MINIMUM. PATCH AND FINISH SURFACES TO MATCH ADJOINING SURFACES.
- PLUMBING PLANS SHALL NOT BE SCALED. REFERENCE THE ARCHITECTURAL PLANS FOR ALL LOCATIONS OF PLUMBING FIXTURES, WALLS, DOORS, WINDOWS, ETC.
- PLUMBING PIPING AND SPECIALTIES SHALL BE LOCATED CONCEALED IN WALLS, PARTITIONS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. PLUMBING PIPING IN EXPOSED AREAS SHALL BE RUN TIGHT TO UNDERSIDE OF STRUCTURE. PROVIDE ACCESS DOORS FOR CONCEALED SPECIALTIES.
- PLUMBING PIPING, VENTS, ETC. EXTENDING THROUGH EXTERIOR WALLS AND/OR THE ROOF SHALL BE FLASHED AND COUNTER FLASHED IN A WATERPROOF MANNER. COORDINATE FLASHING WITH THE GENERAL CONTRACTOR.
- DO NOT INSTALL PLUMBING PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL PLUMBING PIPING SHOWN IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
- PROVIDE NON-CONDUCTING DIELECTRIC UNIONS WHENEVER CONNECTING DISSIMILAR METALS.
- ATTACH HANGERS TO STRUCTURE, HANGERS SHALL NOT ATTACH TO THE DECK.
- PROVIDE ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTORS, TRAP PRIMERS, ETC. CONCEALED IN MASONRY WALLS, GYPSOBOARD WALLS AND/OR CEILINGS THAT WILL REQUIRE MAINTENANCE ACCESS.
- PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO: PLUMBING FIXTURES AND EQUIPMENT, FIRE STOPPING, SEISMIC BRACING, PIPE IDENTIFICATION, DOMESTIC WATER SYSTEM, SANITARY WASTE AND VENT SYSTEM

PLUMBING FIXTURES AND EQUIPMENT:

- PROVIDE COMPLETE PLUMBING FIXTURES AND EQUIPMENT. INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAIL PIECES, ESCUTCHEONS, ETC.
- PLUMBING FIXTURES AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SUBSTITUTIONS TO SPECIFIED PLUMBING FIXTURES AND EQUIPMENT INCLUDING BUT NOT LIMITED TO: PROVIDING MAINTENANCE ACCESS CLEARANCE, PIPING, ELECTRICAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC. AND ANY MODIFICATIONS TO ASSOCIATED MECHANICAL, ELECTRICAL OR PLUMBING SYSTEMS REQUIRED BY THE EQUIPMENT'S INSTALLATION INSTRUCTIONS. ALL COSTS ASSOCIATED WITH SUBSTITUTIONS SHALL BE INCLUDED IN THE ORIGINAL BASE BID.

FIRE STOPPING:

- COORDINATE FIRE STOPPING RESPONSIBILITY WITH GENERAL CONTRACTOR.
- FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE A DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES.

SEISMIC BRACING:

- PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

PIPE IDENTIFICATION:

- PIPE IDENTIFICATION SHALL MATCH THE FACILITY'S EXISTING STANDARD. IF NO STANDARD EXISTS, THEN THE PIPE IDENTIFICATION SHALL BE IN ACCORDANCE WITH ANSI A13.1.
- PROVIDE PIPING LABELS FOR ALL PLUMBING PIPING. PIPING LABELS SHALL BE ACRYLIC FACED, WRAP-AROUND TYPE. EACH LABEL SHALL INDICATE THE PIPING CONTENTS, DIRECTION OF FLOW AND SHALL BEAR THE MANUFACTURER'S STANDARD COLOR FOR THE SERVICE INDICATED.

PLUMBING LOAD SUMMARY

LOAD	FIXTURE UNITS	FLOW
SANITARY WASTE	143 DFU	—
DOMESTIC WATER	286 SFU	106 GPM

SHOCK ARRESTOR TABLE

DRAWING SYMBOL	FIXTURE UNITS	PDI WH201 STANDARD DESIGNATION	ARRESTOR SIZE	APPROVED MANUFACTURERS
SA-A	1-11	A	½"	— SIOUX CHIEF — WATTS — PPP INC.
SA-B	12-32	B	¾"	
SA-C	33-60	C	1"	
SA-D	61-113	D	1¼"	REMARKS
SA-E	114-154	E	1½"	INSTALL SHOCK ARRESTORS PER PDI WH201 GUIDELINES
SA-F	155-330	F	2"	

FLOW TEST DATA

LOCATION _____	HYD. NO. 3040 / HYD. NO. 3042 – WEST LIBERTY ST.
TEST PERFORMED BY _____	AT COURTHOUSE – YORK, SC
DATE _____	CITY OF YORK, SC – R. CARTER, J. CAIN, B. ROSE
STATIC PRESSURE _____	FEBRUARY 12, 2015 / 9AM
RESIDUAL PRESSURE _____	70 PSI
FLOW _____	52 PSI
	1100 GPM

PLUMBING LEGEND

EXISTING PIPING	NEW PIPING	ABBR.	DESCRIPTION
----- (E) -----	-----	CW	COLD WATER PIPING
----- (E) -----	-----	HW	HOT WATER PIPING
----- (E) -----	-----	W	SANITARY WASTE PIPING
----- (E) -----	-----	V	SANITARY VENT PIPING
----- SD(E) -----	----- SD -----	SD	STORM DRAIN PIPING – BEL. GRADE
----- SD(E) -----	----- SD -----	SD	STORM DRAIN PIPING – ABV. CEILING
----- D(E) -----	----- ESD -----	ESD	EMERGENCY STORM DRAIN PIPING
----- D(E) -----	----- D -----	D	DRAIN
-----	-----	—	ELBOW DOWN
-----	-----	—	ELBOW UP
-----	-----	—	PIPE CONTINUOUS
-----	-----	—	PIPE CAP
-----	-----	—	BALL VALVE
-----	-----	CV	CHECK VALVE
-----	-----	RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
-----	-----	—	IN-LINE PUMP
-----	-----	—	PIPE REDUCER
-----	-----	FCO	FLOOR CLEAN OUT
-----	-----	WCO	WALL CLEAN OUT
-----	-----	CO	END OF LINE CLEAN OUT
-----	-----	YCO	YARD CLEAN OUT
-----	-----	FD	FLOOR DRAIN
-----	-----	HB	HOSE BIBB/WALL HYDRANT
-----	-----	SA	SHOCK ARRESTOR – SUFFIX INDICATES PDI SIZE
-----	-----	—	PRESSURE GAUGE
-----	-----	TP	TRAP PRIMER
-----	-----	CTE	CONNECT TO EXISTING

ADDITIONAL ABBREVIATIONS

ABV	ABOVE	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LAV	LAVATORY
AFG	ABOVE FINISHED GRADE	MFG	MANUFACTURER
BAS	BUILDING AUTOMATION SYSTEM	MH	MOUNTING HEIGHT
BEL	BELOW	PH	PHASE
BFF	BELOW FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH
CLG	CEILING	SF	SQUARE FEET
CONT	CONTINUATION	SFU	SUPPLY FIXTURE UNITS
DFU	DRAINAGE FIXTURE UNIT (WASTE)	T&P	TEMPERATURE AND PRESSURE
DN	DOWN	TW	TEMPERED WATER
(C)	EXISTING	TYP	TYPICAL
EX	EXISTING	UR	URINAL
FFE	FINISHED FLOOR ELEVATION	VB	VACUUM BREAKER
FIN	FINISH	VLV	VALVE
FL	FLOOR	VTR	VENT THRU ROOF
FR	FROM	WC	WATER COLUMN
FU	FIXTURE UNITS	EC	ELECTRICAL CONTRACTOR
GPF	GALLONS PER FLUSH	GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE	MC	MECHANICAL CONTRACTOR
HP	HORSE POWER	PC	PLUMBING CONTRACTOR
INV	INVERT ELEVATION		
IW	INDIRECT WASTE		

PLUMBING DEMOLITION NOTES

- THE PLUMBING CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING THE PROJECT TO VERIFY EXISTING CONDITIONS AND DETERMINE THE LEVEL OF DEMOLITION REQUIRED AND INCLUDE ALL NECESSARY PRICING IN THEIR BID. ANY DISCREPANCIES NOTED BETWEEN THE DOCUMENTS AND EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING.
- PLUMBING CONTRACTOR SHALL REMOVE EXISTING PLUMBING FIXTURES AND EQUIPMENT AS INDICATED, INCLUDING ASSOCIATED HOT WATER, COLD WATER, WASTE AND VENT PIPING, UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DEMOLITION PLAN FOR LOCATIONS.
- PLUMBING CONTRACTOR SHALL REMOVE UNUSED HW & CW BRANCH PIPING BACK TO WITHIN 12" OF THE MAIN IT CONNECTS, TERMINATE WITH SHUT-OFF VALVE AND CAP.
- PLUMBING CONTRACTOR SHALL TERMINATE UNUSED BRANCH WASTE PIPING WITH A CLEAN-OUT AT THE MOST REMOTE END OR ABANDONED AND CAPPED WITHIN 12" OF THE MAIN IT CONNECTS. (NO DEAD-ENDS ALLOWED)
- PLUMBING CONTRACTOR SHALL REMOVE UNUSED VENT BRANCH PIPING BACK TO WITHIN 12" OF THE MAIN IT CONNECTS THEN CAP.
- PLUMBING CONTRACTOR SHALL VERIFY PROPER OPERATION OF ALL EXISTING EQUIPMENT PRIOR TO BEGINNING WORK. ANY PROBLEMS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT IMMEDIATELY.
- WITH THE REMOVAL OF EXISTING WALLS, SOME EXISTING WASTE, VENT, STORM DRAIN, OR DOMESTIC WATER PIPING MAY BE DISCOVERED. ANY EXISTING PIPING DISCOVERED THAT IS ACTIVE SHALL BE OFFSET BY THE P.C. TO NEW WALLS. ANY EXISTING PIPING DISCOVERED THAT IS ABANDONED SHALL BE REMOVED.

NOTE

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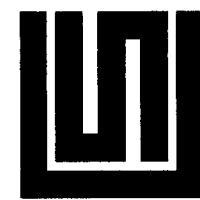
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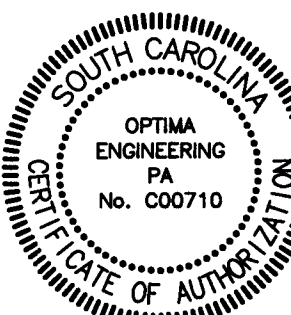


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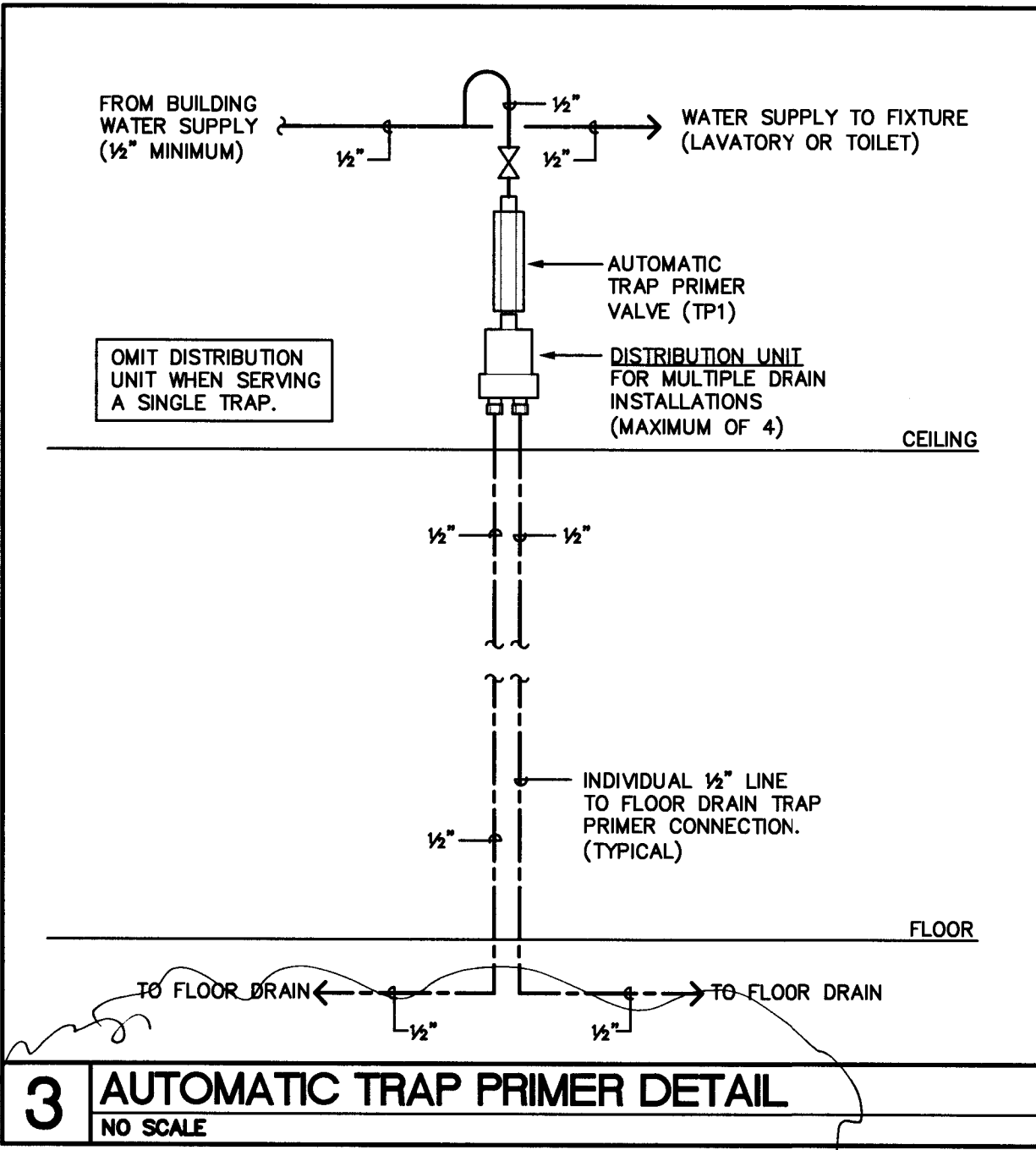
PLUMBING LEGEND
AND NOTES

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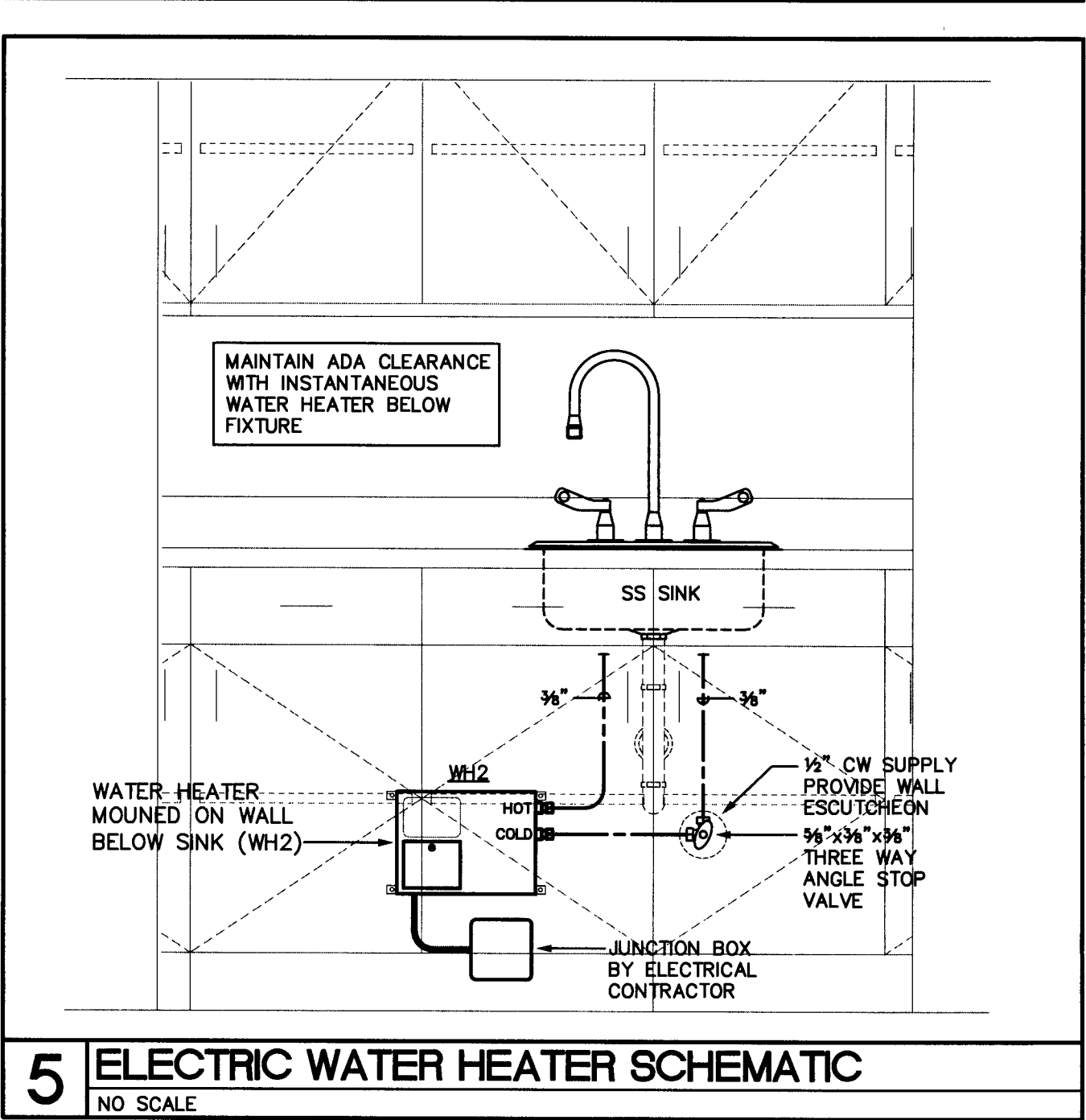
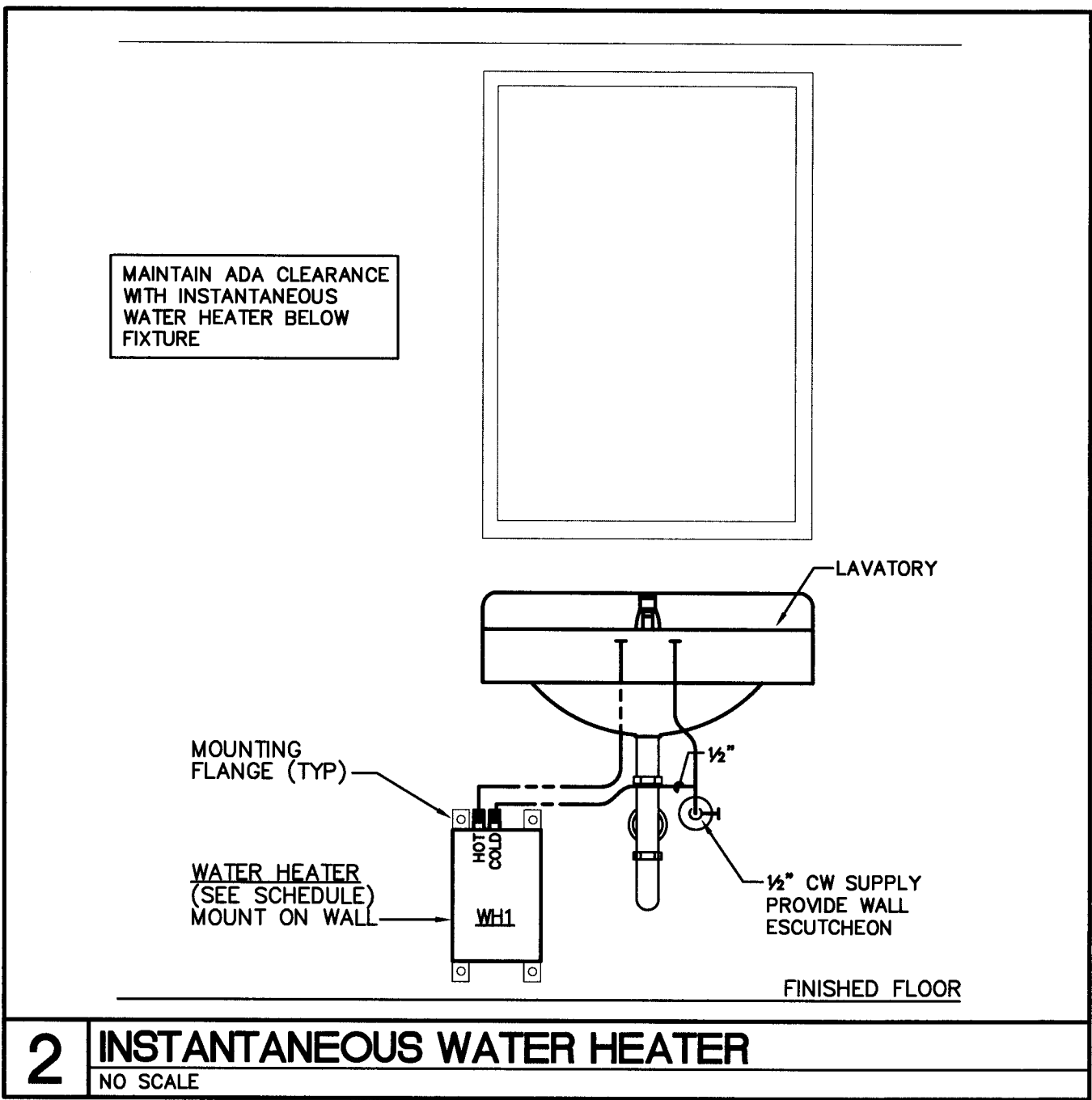
PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

SYM.	DESCRIPTION	CONNECTIONS (IN.)				SPECIFICATION	REMARKS
		W	V	CW	HW		
P1	WATER CLOSET, HET, ELONGATED BOWL, FLOOR MOUNTED, BATTERY POWERED SENSOR OPERATED FLUSH VALVE, 1.28 GPF	4"	2"	1 1/4"	-	FIXTURE: KOHLER K-4406 "WELLWORTH" SEAT: CHURCH 9500CT FLUSH VALVE: KOHLER K-10673 "WAVE" MATERIAL: VITREOUS CHINA COLOR: WHITE	
P1A	WATER CLOSET, HET, ADA COMPLIANT, ELONGATED BOWL, FLOOR MOUNTED, BATTERY POWERED SENSOR OPERATED FLUSH VALVE, 1.28 GPF	4"	2"	1 1/4"	-	FIXTURE: KOHLER K-4405 "HIGHLINE" SEAT: CHURCH 9500CT FLUSH VALVE: KOHLER K-10673 "WAVE" MATERIAL: VITREOUS CHINA COLOR: WHITE	PROVIDE LEVER ON WIDE SIDE OF STALL.
P1B	WATER CLOSET, HET, ELONGATED BOWL, FLOOR MOUNTED, FLUSH VALVE, 1.28 GPF	4"	2"	1 1/4"	-	FIXTURE: KOHLER K-4406 "WELLWORTH" SEAT: CHURCH 9500CT FLUSH VALVE: SLOAN 111-1.28 MATERIAL: VITREOUS CHINA COLOR: WHITE	
P1C	WATER CLOSET, HET, ADA COMPLIANT, ELONGATED BOWL, FLOOR MOUNTED, FLUSH VALVE, 1.28 GPF	4"	2"	1 1/4"	-	FIXTURE: KOHLER K-4405 "HIGHLINE" SEAT: CHURCH 9500CT FLUSH VALVE: SLOAN 111-1.28 MATERIAL: VITREOUS CHINA COLOR: WHITE	PROVIDE LEVER ON WIDE SIDE OF STALL.
P2	URINAL, HEU, ADA COMPLIANT, WALL MOUNTED, BATTERY POWERED SENSOR OPERATED FLUSH VALVE 0.125 GPF	2"	1 1/2"	3/4"	-	FIXTURE: KOHLER K-4904-ET COLOR: WHITE MATERIAL: VITREOUS CHINA FLUSH VALVE: KOHLER K-10949 CARRIER: ZURN FLOOR MOUNTED URINAL CARRIER	FIXTURE LIP HEIGHT 17" AFF
P3	LAVATORY, ADA COMPLIANT, 20" x 18", WALL MOUNTED, GRID DRAIN, BATTERY POWERED SENSOR OPERATED, 0.5 GPM FAUCET	2"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER K-2032, WHITE DRAIN: MCGUIRE 155A GRID STRAINER FAUCET: SLOAN EBF-650-BDT, 0.5 GPM P-TRAP: MCGUIRE 8902 1 1/4" x 1 1/2" STOPS: MCGUIRE 175 MATERIAL: VITREOUS CHINA CARRIER: ZURN Z-1231	SEE NOTE 1 BELOW. BOWL RIM HEIGHT 34" AFF
P3A	LAVATORY, ADA COMPLIANT, 20" x 18", WALL MOUNTED, GRID DRAIN, 0.5 GPM FAUCET	2"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER K-2032 "GREENWICH" DRAIN: MCGUIRE 155A GRID STRAINER FAUCET: DELTA 22C151, 0.5 GPM P-TRAP: MCGUIRE 8902 1 1/4" x 1 1/2" STOPS: MCGUIRE 175 MATERIAL: VITREOUS CHINA, WHITE CARRIER: ZURN Z-1231, CONCEALED ARM	SEE NOTE 1 BELOW. BOWL RIM HEIGHT 34" AFF
P4	ELECTRIC WATER COOLER, ADA WALL MOUNTED, SPUT LEVEL, STAINLESS STEEL FINISH, FLEXIBLE BUBBLERS	2"	1 1/2"	1/2"	-	FIXTURE: ELKAY EZSTL8C P-TRAP: MCGUIRE 8902 1 1/4" x 1 1/2" STOP: MCGUIRE H175 CARRIER: FLOOR MOUNTED CHAIR CARRIER	LOWER BUBBLER HEIGHT 34" AFF
P4A	ELECTRIC WATER COOLER, ADA WALL MOUNTED, STAINLESS STEEL FINISH	2"	1 1/2"	1/2"	-	FIXTURE: ELKAY EZS8 P-TRAP: MCGUIRE 8902 1 1/4" x 1 1/2" STOPS: MCGUIRE 175	BUBBLER HEIGHT 34" AFF
P5	1-COMP. STAINLESS STEEL SINK, ADA COMPLIANT, 19" x 21" x 6.5" (14" x 18" BOWL), 3 HOLE PUNCH, KITCHEN FAUCET, 1.5 GPM OUTLET, BASKET STRAINER	2"	1 1/2"	1/2"	1/2"	FIXTURE: JUST SL-ADA-1921-A-GR DRAIN: JUST J-35, BASKET STRAINER FAUCET: DELTA 470-WE-DST (1.5 GPM) P-TRAP: MCGUIRE 8912 1 1/2" x 1 1/2" STOPS: MCGUIRE 175-LK	
P5A	MOP SINK TERRAZZO 24" x 24" x 12" BUMPER GUARDS	3"	1 1/2"	3/4"	3/4"	BASIN: FIAT TSB-100 TERRAZZO DRAIN: FIAT 1453-BB FAUCET: FIAT 830-AA ACCESSORIES: MSG2424 SS WALL GUARDS ACCESSORIES: 832-AA HOSE & BRACKET ACCESSORIES: 888-CC MOP HANGER ACCESSORIES: E-88-AA BUMPERGUARDS	
IMB1	ICE MAKER BOX	-	-	1/2"	-	EQUIPMENT: GUY GRAY BIM-875 MATERIAL: 16 GAUGE STEEL WITH EPOXY FINISH	
JP1	TRAP PRIMER, PROVIDE DISTRIBUTION UNIT WHEN SERVING MORE THAN ONE FLOOR DRAIN	-	-	1/2"	-	PRIMER: PPP PRODUCTS MODEL P-1 PROVIDE 1/2" COPPER PIPING SLOPED CONTINUOUSLY TO FLOOR DRAIN(S).	PROVIDE ACCESS DOOR FOR CONCEALED INSTALLATIONS
SA-	SHOCK ARRESTOR SIZES A THRU F SEE FLOOR PLAN FOR SIZE	-	-	SEE DWG	-	EQUIPMENT: SIOUX CHIEF 650 SERIES SEE SHOCK ARRESTOR TABLE ON SHEET 8.01	PROVIDE ACCESS DOOR FOR CONCEALED INSTALLATIONS
HB1	WALL HYDRANT, EXTERIOR, EXPOSED NON-FREEZE, AUTOMATIC DRAINING, VACUUM BREAKER	-	-	3/4"	-	EQUIPMENT: WOODFORD 65EP LOOSE KEY	MOUNT 18" AFF.
HB2	HOSE BIBB, INTERIOR, EXPOSED, AUTOMATIC DRAINING, ANTI-SIPHON VACUUM BREAKER	-	-	3/4"	-	EQUIPMENT: WOODFORD 24 WHEEL HANDLE	MOUNT 24" AFF.
EQO	FLOOR CLEANOUT CAST IRON BODY, ADJUSTABLE, NICKEL BRONZE TOP	SEE DWG	-	-	-	CLEANOUT: ZURN ZN-1400	GAS / WATER TIGHT ABS PLUG
WCO	WALL CLEANOUT STAINLESS STEEL WALL PLATE	SEE DWG	-	-	-	CLEANOUT: ZURN ZS-1468	GAS / WATER TIGHT ABS PLUG
YCO	YARD CLEANOUT ADJUSTABLE, CAST IRON BODY, COATED CAST IRON TOP	SEE DWG	-	-	-	CLEANOUT: ZURN ZN-1474 IN AN 18"L x 18"W x 6"D CONCRETE PAD.	GAS / WATER TIGHT ABS PLUG
CO	END OF LINE PLUG CLEANOUT CAST BRONZE	-	-	-	-	CLEANOUT: ZURN Z-1470	GAS / WATER TIGHT PLUG
ED1	FLOOR DRAIN CAST IRON BODY, ADJUSTABLE NICKEL BRONZE TOP	SEE DWG	-	-	-	DRAIN: ZURN ZN-415 STRAINER: 6" DIAMETER, TYPE B, NICKEL BRONZE P-TRAP: DEEP SEAL (MATCH DRAIN SIZE)	PROVIDE TRAP PRIMER CONNECTION. SEE NOTE 2 AND 3 BELOW.
ED2	FLOOR DRAIN, MECHANICAL ROOM CAST IRON BODY AND TOP SEDIMENT BUCKET	SEE DWG	-	-	-	DRAIN: ZURN Z-556-Y STRAINER: 8" DIAMETER, SLOTTED, CAST IRON P-TRAP: DEEP SEAL (MATCH DRAIN SIZE)	PROVIDE TRAP PRIMER CONNECTION. SEE NOTE 2 AND 3 BELOW.
RD1	PRIMARY ROOF DRAIN CAST IRON BODY, SUMP RECEIVER GRAVEL STOP AND ALUMINUM DOME	SEE DWG	-	-	-	DRAIN: ZURN ZA-100-DP-EB WITH DECK PLATE AND ADJUSTABLE EXTENSION	SEE PLANS FOR SIZE
RD2	SECONDARY ROOF DRAIN CAST IRON BODY, SUMP RECEIVER GRAVEL STOP AND ALUMINUM DOME	SEE DWG	-	-	-	DRAIN: ZURN ZA-100-DP-EB-W4 WITH DECK PLATE, ADJUSTABLE EXTENSION, AND 4" HIGH WATER DAM	SET WATER DAM ELEVATION 3" ABOVE THE ADJACENT FINISHED ROOF ELEVATION.
DSN1	DOWNSPOUT NOZZLE NICKEL BRONZE BODY	SEE DWG	-	-	-	NOZZLE: ZURN ZANB199	MOUNT 18" ABOVE FINISHED GRADE.

NOTES: 1. PROVIDE PRE-MANUFACTURED INSULATION KIT FOR EXPOSED TRIM UNDER SINK. 2. PROVIDE SURESEAL INLINE FLOOR DRAIN TRAP SEALER IN FLOOR DRAIN FOR WATERLESS TRAP PRIMER. 3. PROVIDE TRAP-PRIMER PPP MODEL P-1 AND 1/2" COPPER LINE TO FLOOR DRAIN.		
APPROVED EQUALS:	SPECIFIED PRODUCT:	ACCEPTED EQUAL:
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE MODEL WHICH MOST CLOSELY MATCHES THE SPECIFIED PRODUCT. PROVIDE PRODUCTS MADE BY THE MANUFACTURER'S LISTED.	KOHLER (VITREOUS CHINA FIXTURES)	AMERICAN STANDARD, ZURN
	SLOAN (SENSOR FAUCETS)	KOHLER, AMERICAN STANDARD
	DELTA COMMERCIAL (MANUAL FAUCETS)	KOHLER, AMERICAN STANDARD
	JUST (S.S. SINKS)	ELKAY, ACCORN
	ELKAY (WATER COOLERS)	OASIS, HAWS
	MCGUIRE (SUPPLY STOPS)	BRASSCRAFT, E.B.C.
	SLOAN (FLUSH VALVES)	KOHLER, DELANEY, ZURN
	ZURN (DRAINS, CARRIERS)	J.R. SMITH, WADE
	FLOOR (UTILITY)	FLORESTONE, STERN WILLIAMS
	LEONARD (MIXING/SOWER VALVES)	SYMMONS, LAWLER

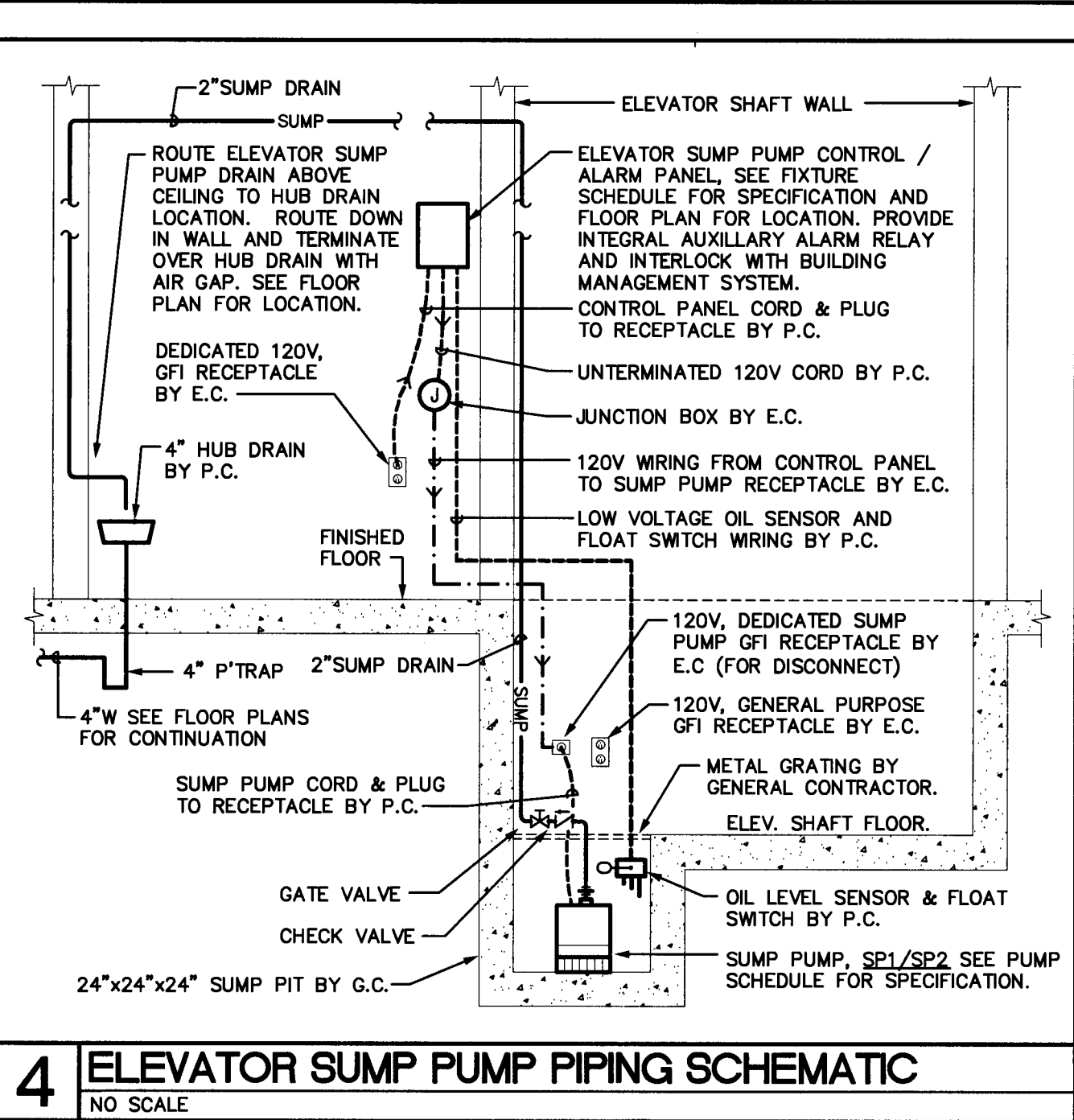
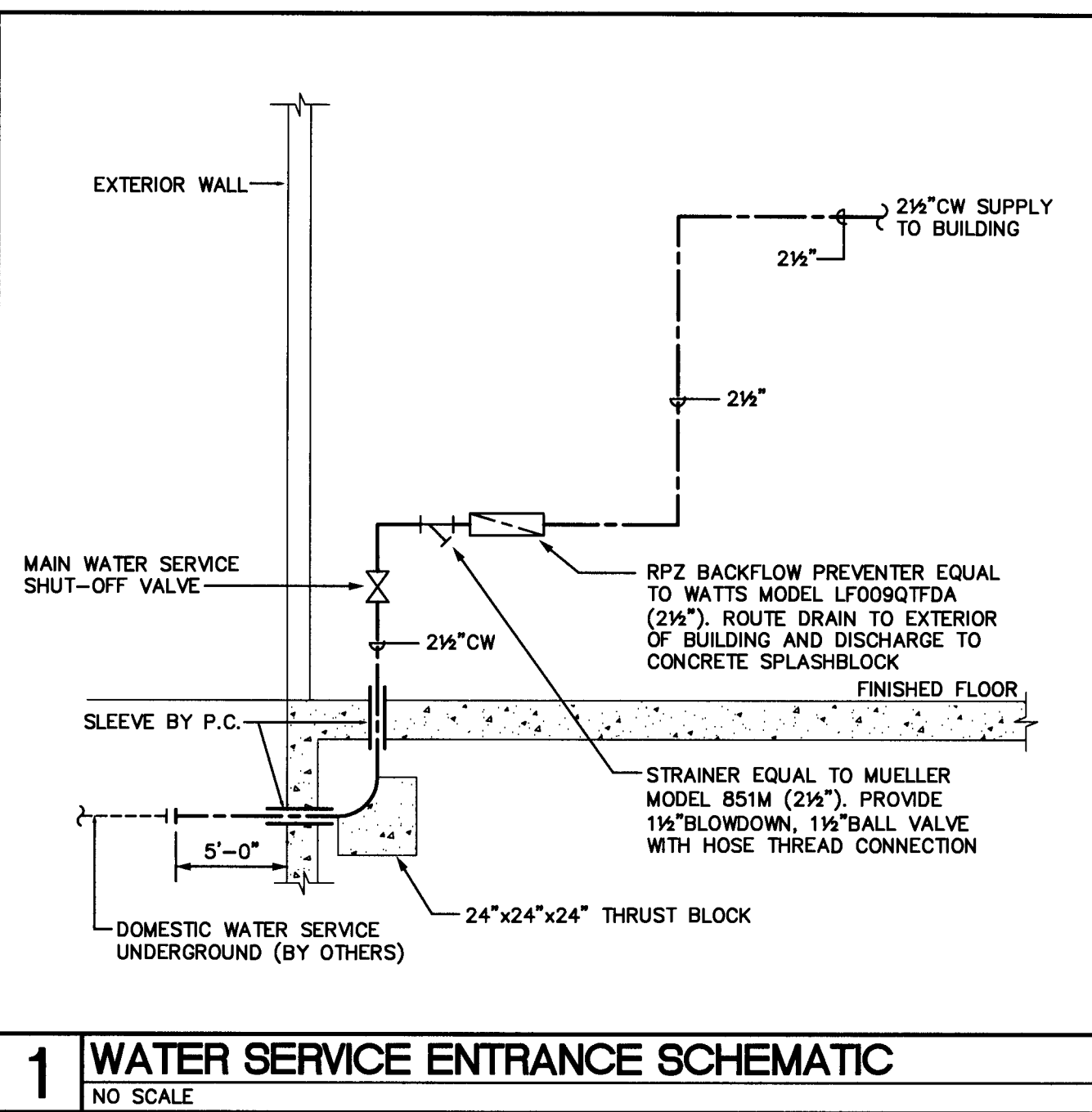


See Submitted for Floor Drain Trap Sealer in lieu of trap primer. Not



PUMP SCHEDULE								
SYM	DESCRIPTION	TYPE	CAPACITY		ELECTRICAL DATA			REMARKS
			GPM	HEAD (FT)	HP	VOLTS	PH	
SP1/SP2	ELEVATOR SUMP PUMP	SUBMERSIBLE	50	20	1/2	120	1	60
REMARKS:					1. EQUIVALENT MANUFACTURERS: GRUNDFOS, TACO 2. PUMP SHALL BE ALL BRONZE CONSTRUCTION. 3. PROVIDE BACKWATER CHECK VALVE AND SHUT-OFF VALVE ON DISCHARGE LINE. 4. PROVIDE PUMP WITH PLUG AND CORD. 5. PROVIDE OIL DETECTION SYSTEM, CONTROL PANEL WITH REMOTE AUDIBLE AND VISUAL ALARMS. OIL DETECTION SYSTEM SHALL BE EQUAL TO ALDERON IND. 7162 WITH AUXILIARY ALARM RELAY. 6. EQUIVALENT MANUFACTURERS: OIL MINDER, WEIL, LIBERTY.			

WATER HEATER SCHEDULE								
SYM.	DESCRIPTION	STORAGE (GALLONS)	TEMP. RISE ● FLOW	ELECTRICAL DATA			SELECTION BASED ON	
				KW	VOLTS	PHASE HERTZ	MANUFACTURER	MODEL
WH1	INSTANTANEOUS ELECTRIC WATER HEATER	-	41° RISE ● 0.5 GPM	3	120	1	STIEBEL-ELTRON	MINI 3-1
WH2	INSTANTANEOUS ELECTRIC WATER HEATER	-	65° RISE ● 1.5 GPM	14.4	208	1	STIEBEL-ELTRON	TEMPRA 20/20 PLUS
REMARKS:								
1. EQUIVALENT MANUFACTURERS: EEMAX, CHRONOMITE.				2. WATER HEATER SHALL MEET OR EXCEED THE REQUIREMENTS OF ASHRAE 90.1.				



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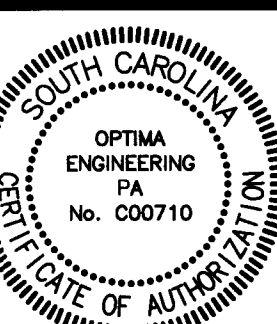
RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
PLUMBING SCHEDULES,
NOTES, AND DETAILS

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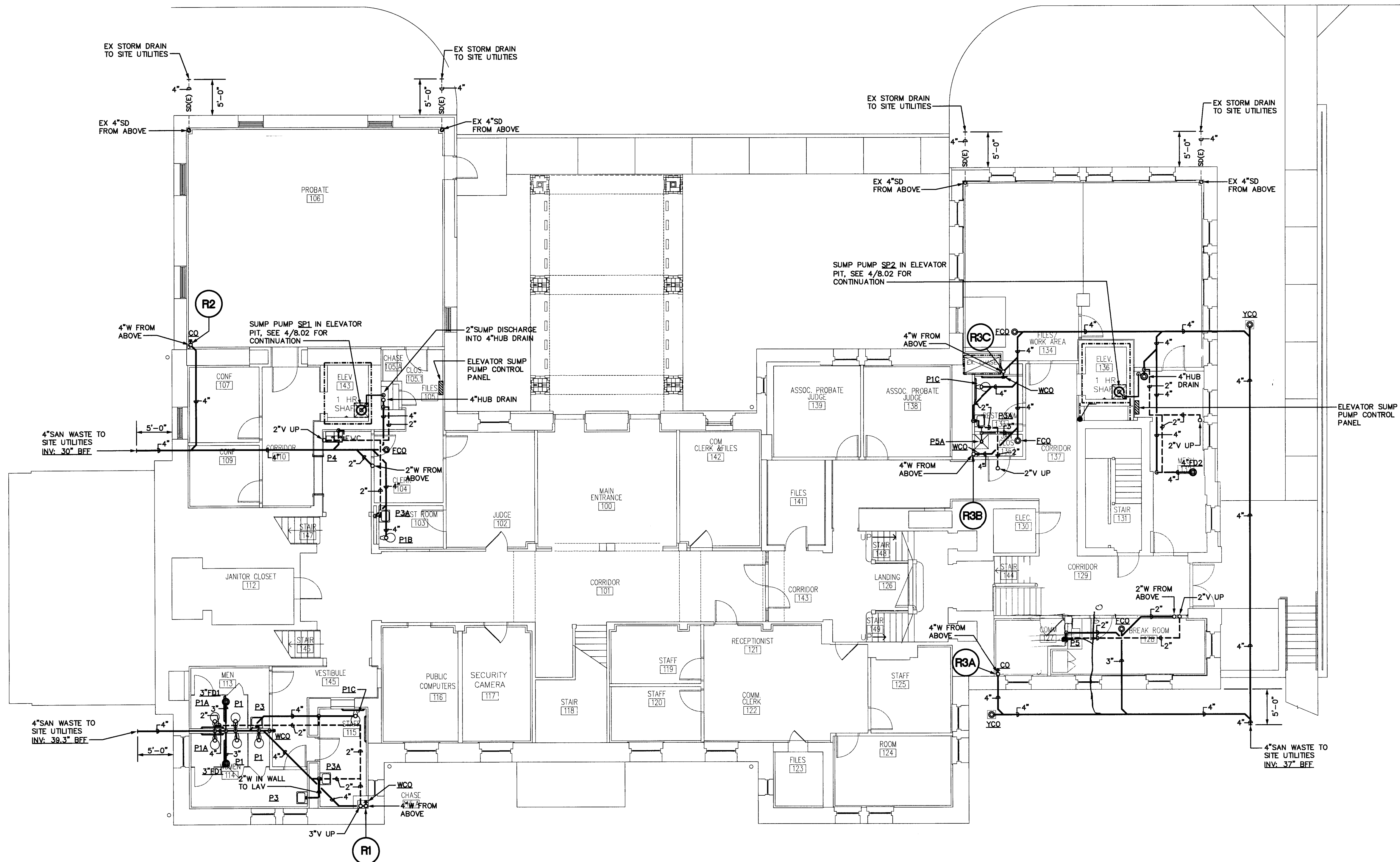
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OPTIMA # 14-0530 3 OF 12

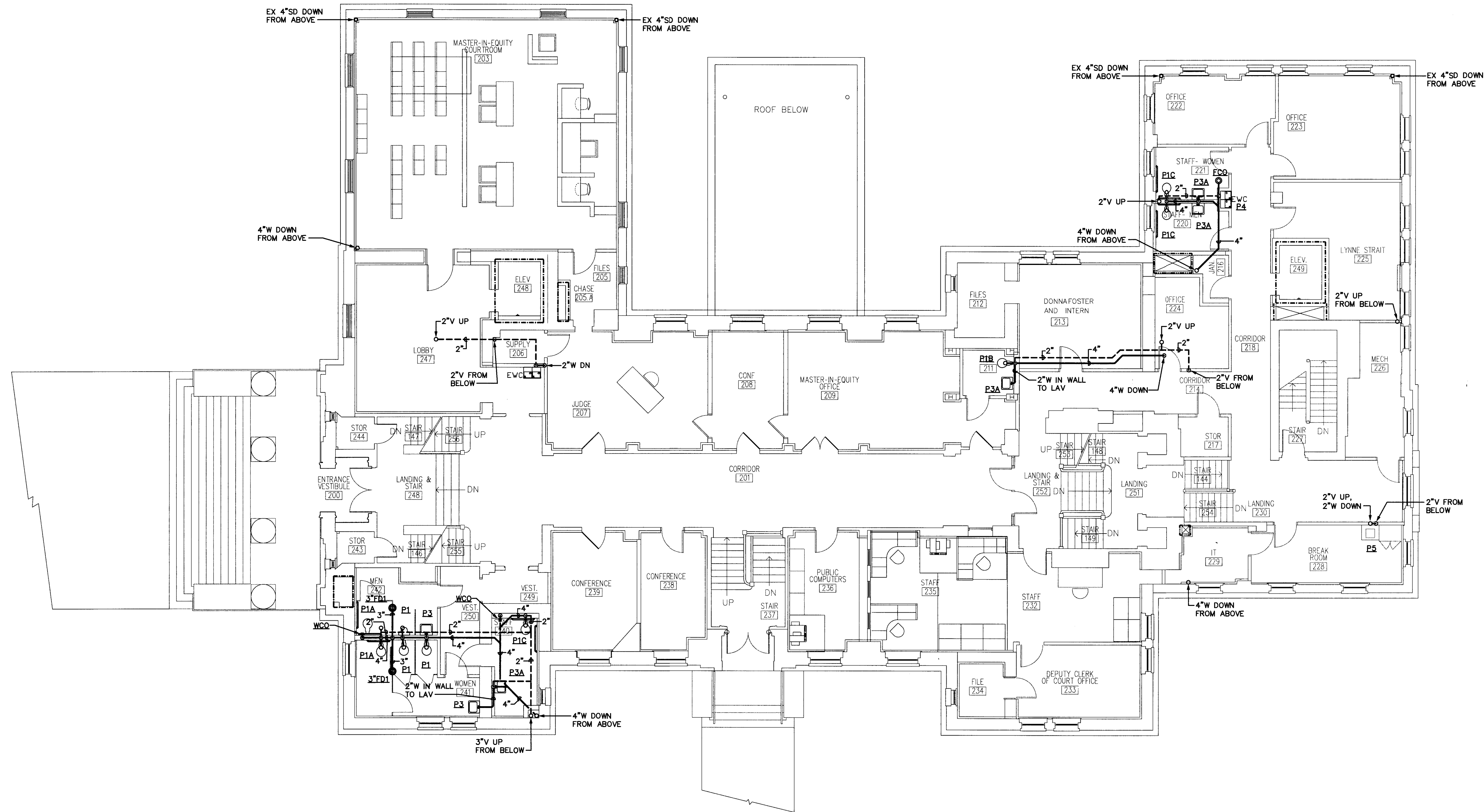


1 FIRST FLOOR PLAN - PLUMBING - WASTE AND VENT
1/8" = 1'-0"

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① SECOND FLOOR PLAN - PLUMBING - WASTE AND VENT
1/8" = 1'-0"



NOTE

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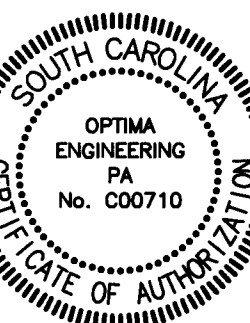
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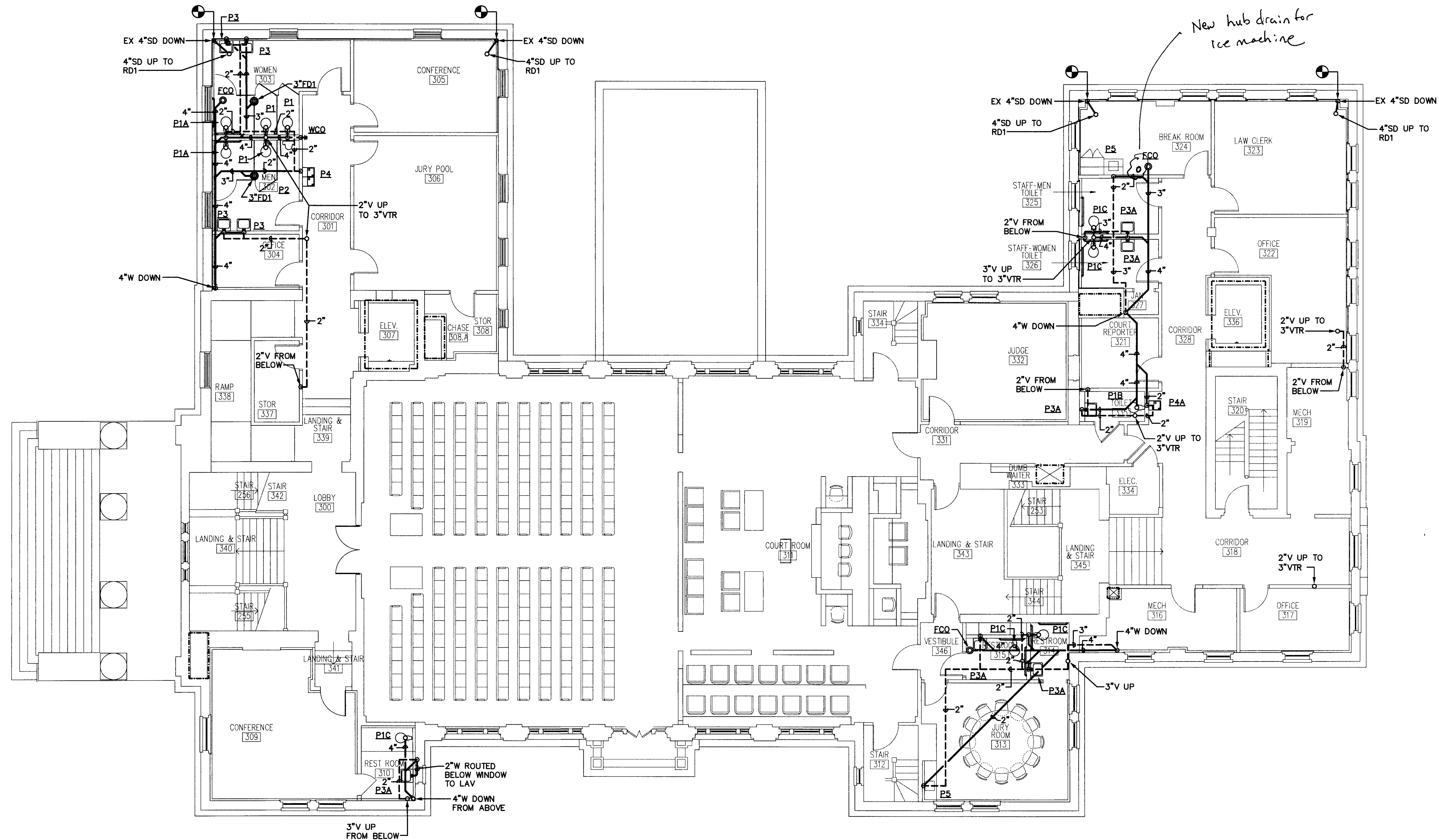
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
SECOND FLOOR PLAN - PLUMBING
RENOVATION - WASTE AND VENT

sheet 08.11

OPTIMA # 14-0530 4 OF 12



1 THIRD FLOOR PLAN - PLUMBING - WASTE AND VENT
1/8" = 1'-0"



NOTE

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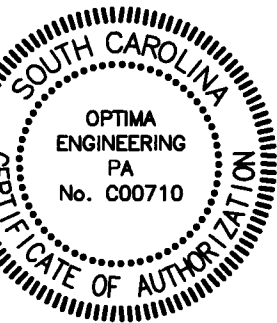
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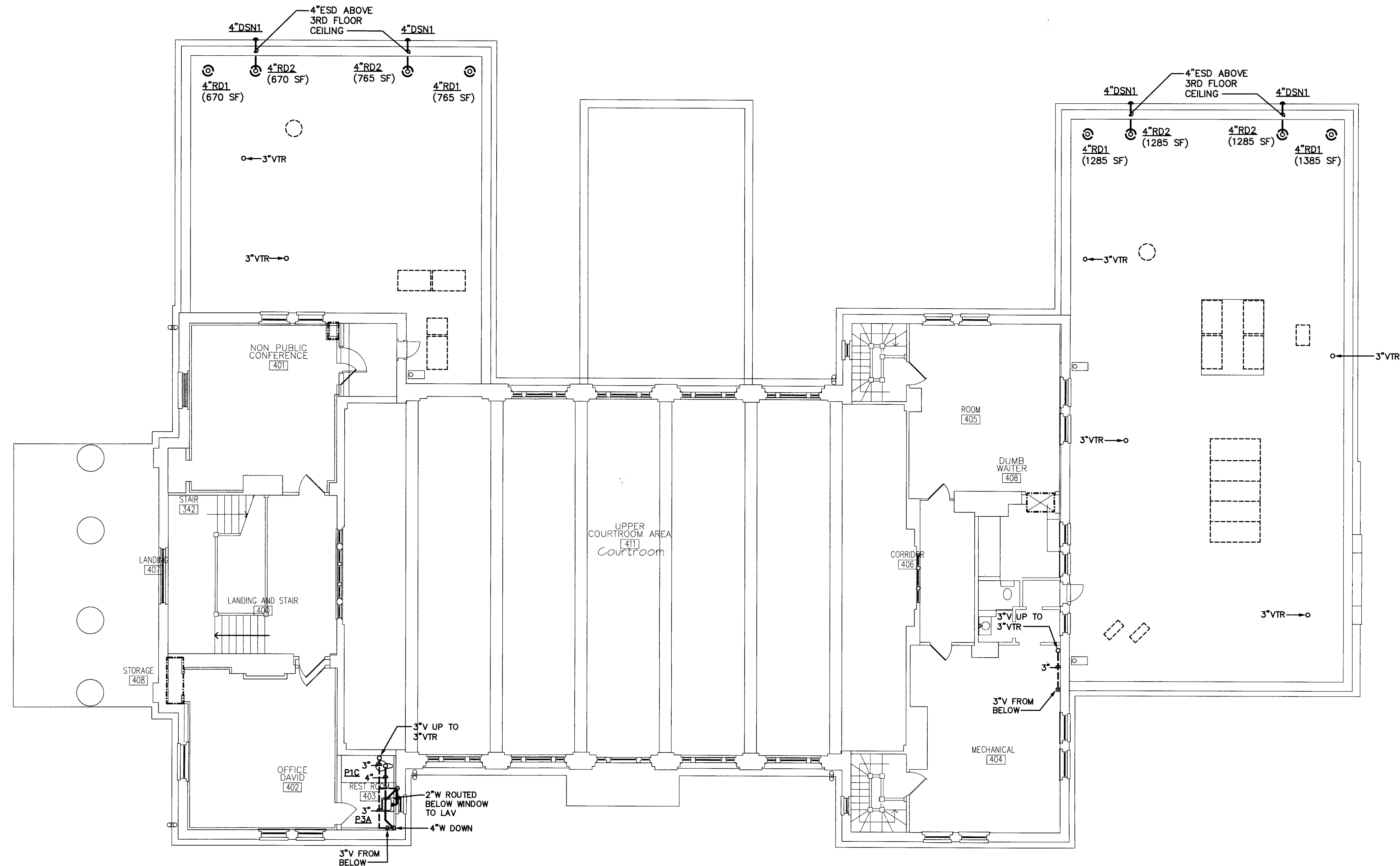
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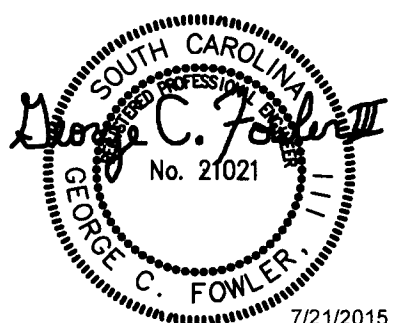
RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

THIRD FLOOR PLAN - PLUMBING
RENOVATION - WASTE AND VENT

sheet **08.12**



① **FOURTH FLOOR PLAN - PLUMBING - WASTE AND VENT**
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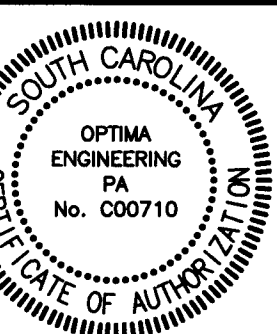
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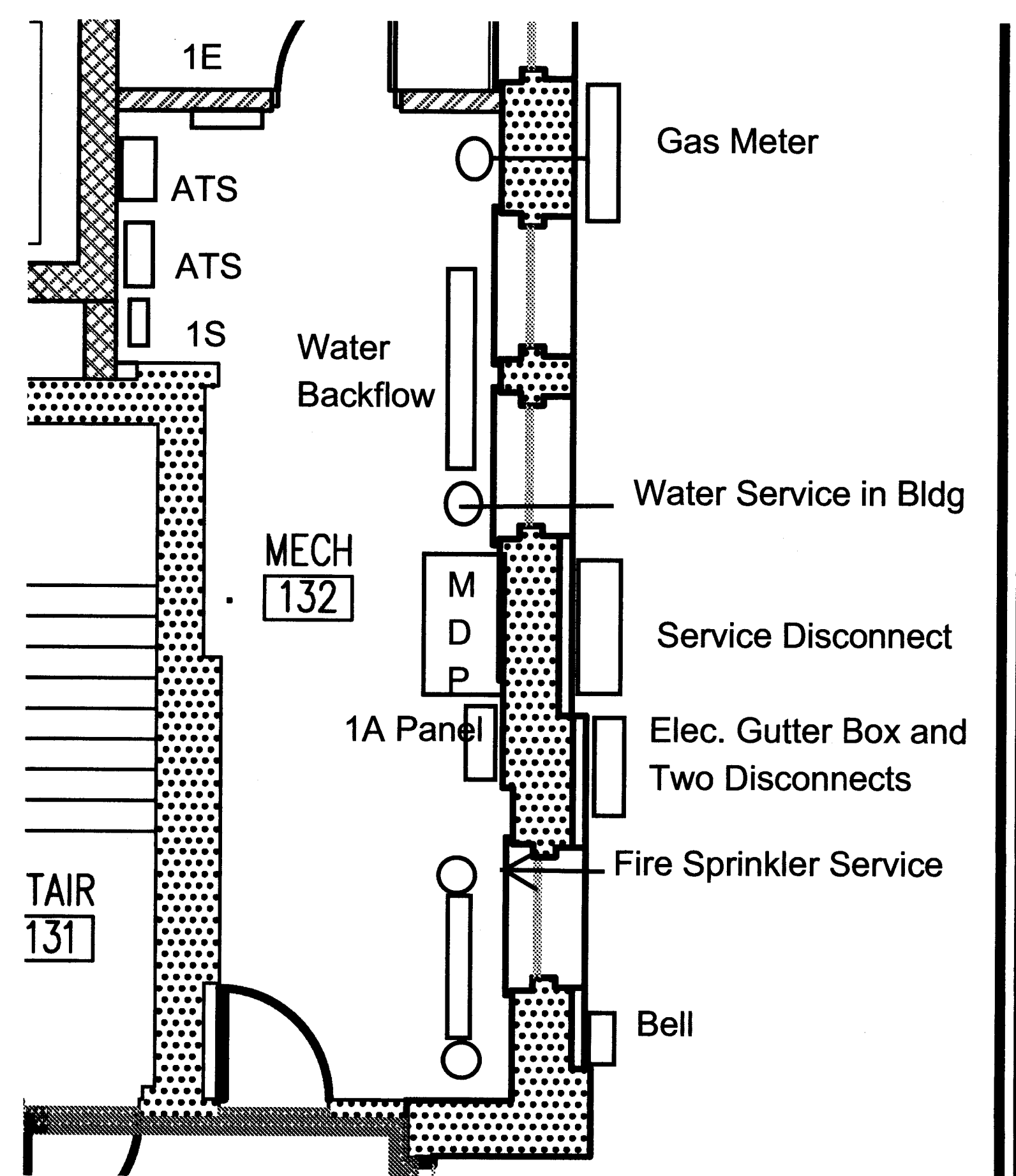
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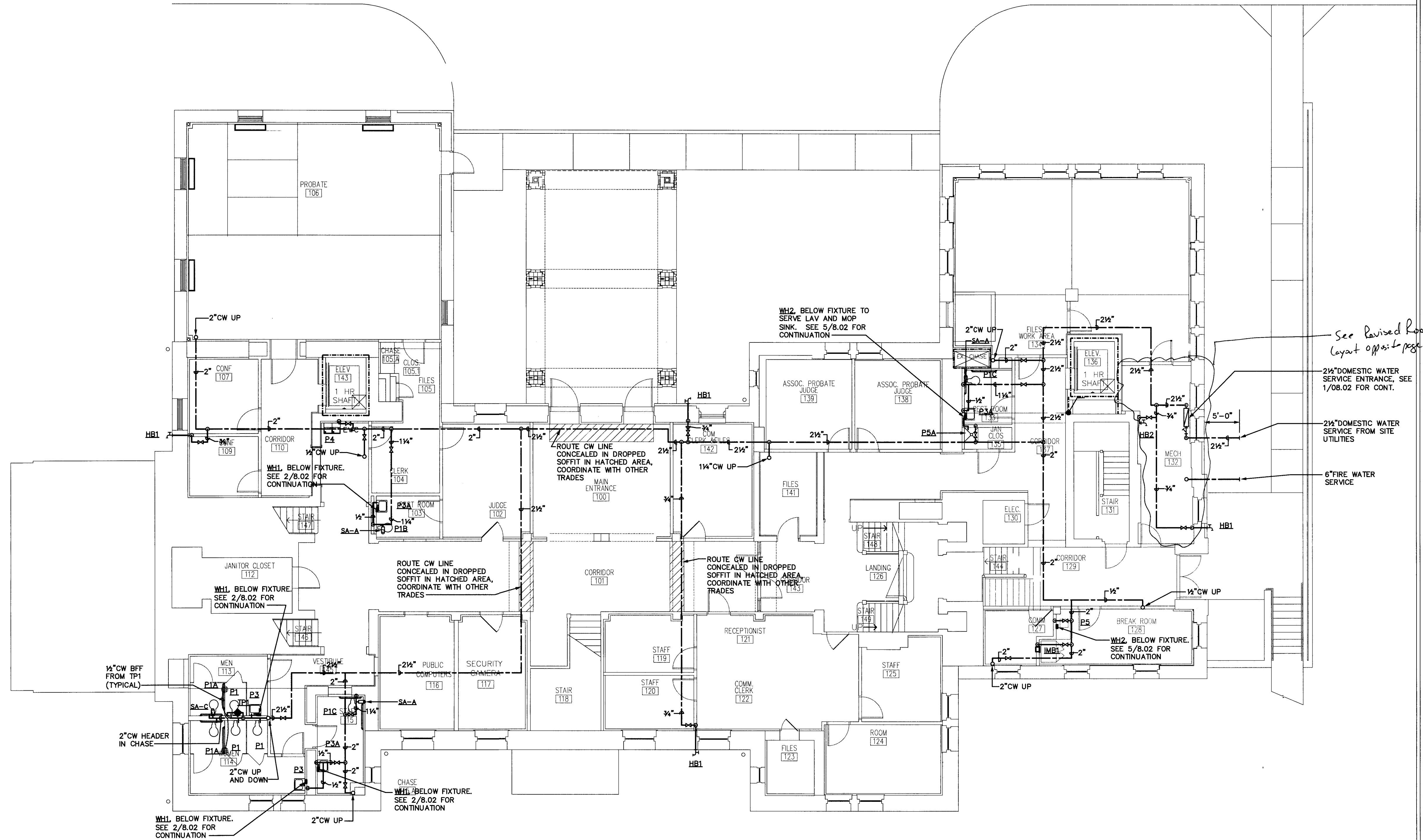
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
**FOURTH FLOOR PLAN - PLUMBING
RENOVATION - WASTE AND VENT**

sheet **08.13**





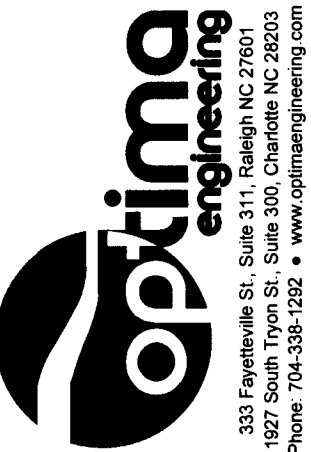
1 FIRST FLOOR PLAN - PLUMBING - SUPPLY
1/8" = 1'-0"

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ENGINEERING
PA
No. 21021
OFFICIAL SEAL OF AUTHORITY
7/21/2015

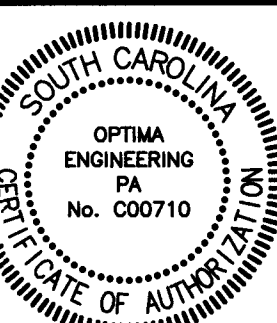
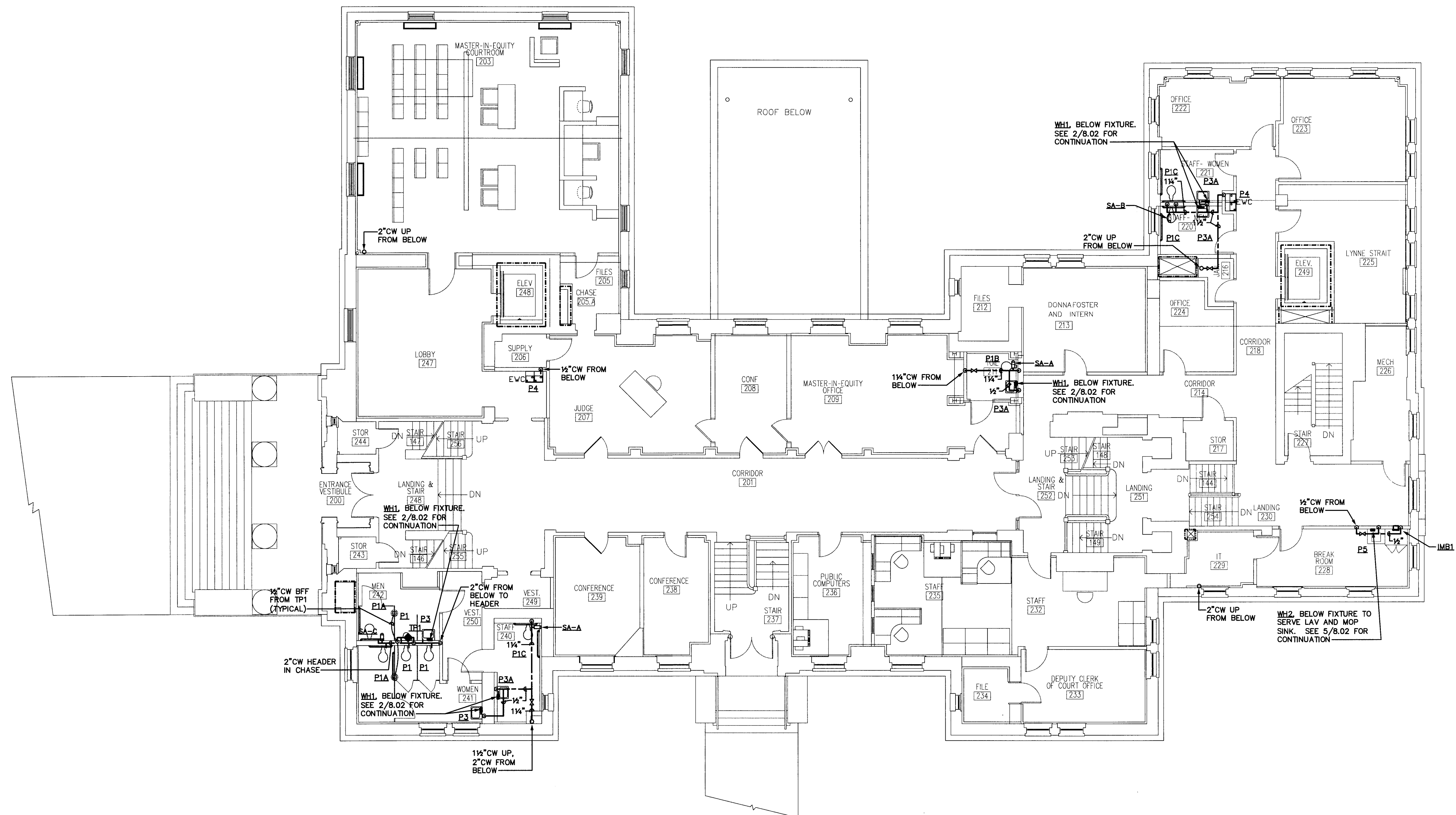
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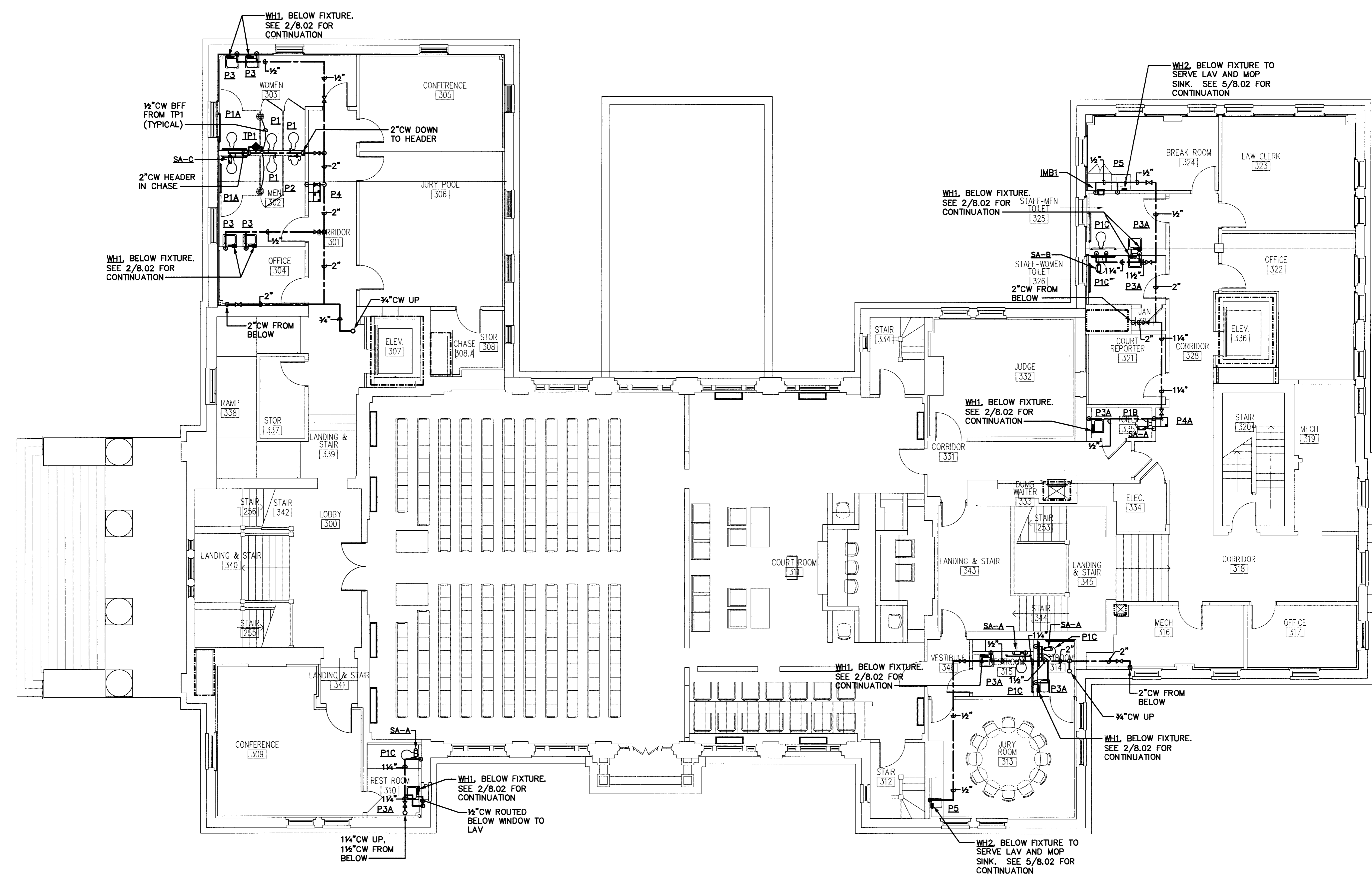
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RENOVATIONS & ADDITION FOR
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RENOVATION - SUPPLY



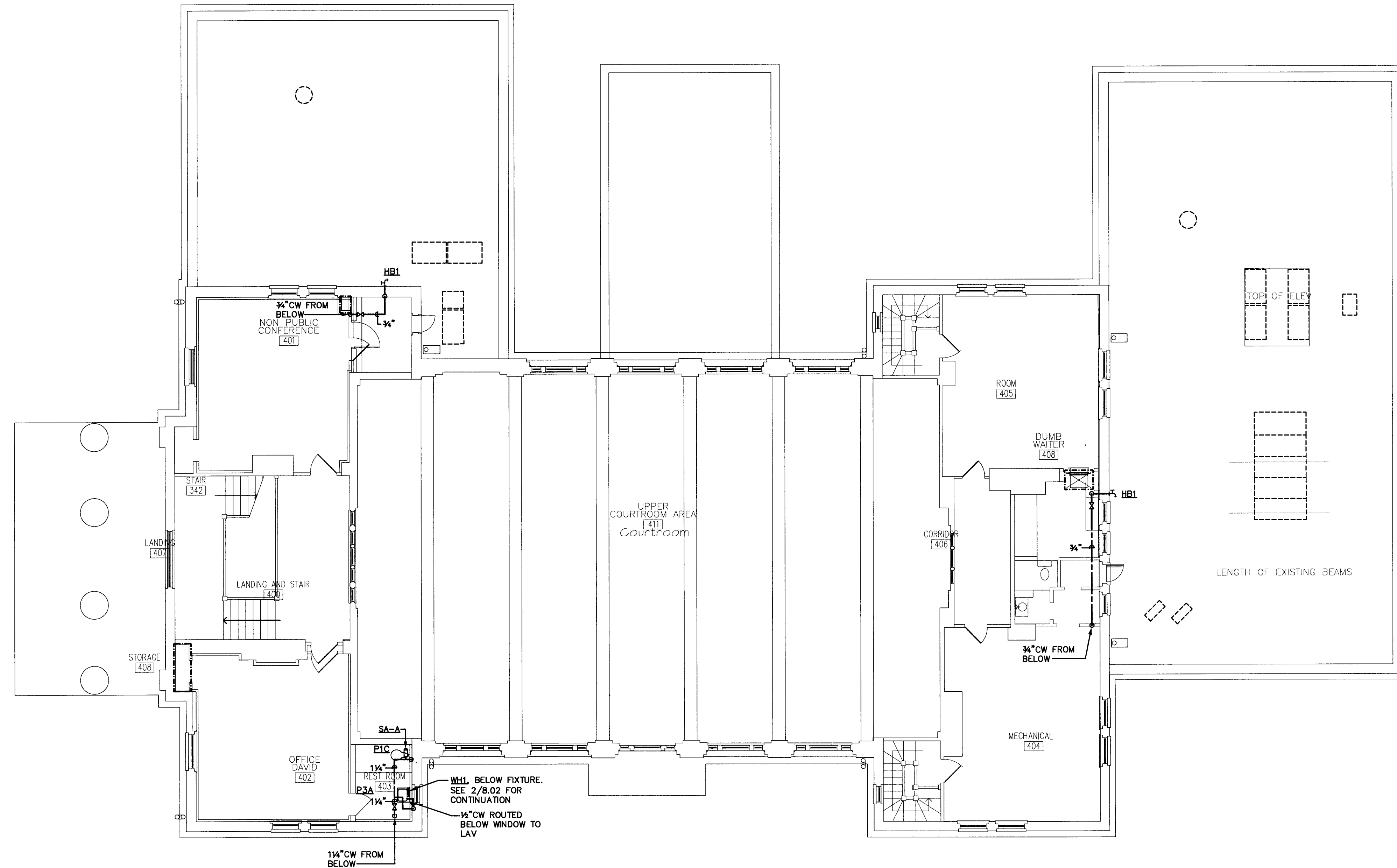
1 THIRD FLOOR PLAN - PLUMBING - SUPPLY
1/8" = 1'-0"

SOUTH CAROLINA
George C. Fowler
No. 21021
7/21/2015

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① FOURTH FLOOR PLAN - PLUMBING - SUPPLY
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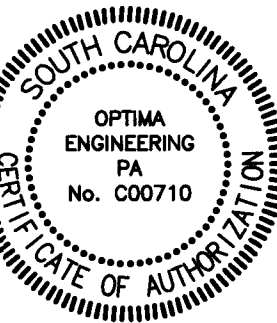
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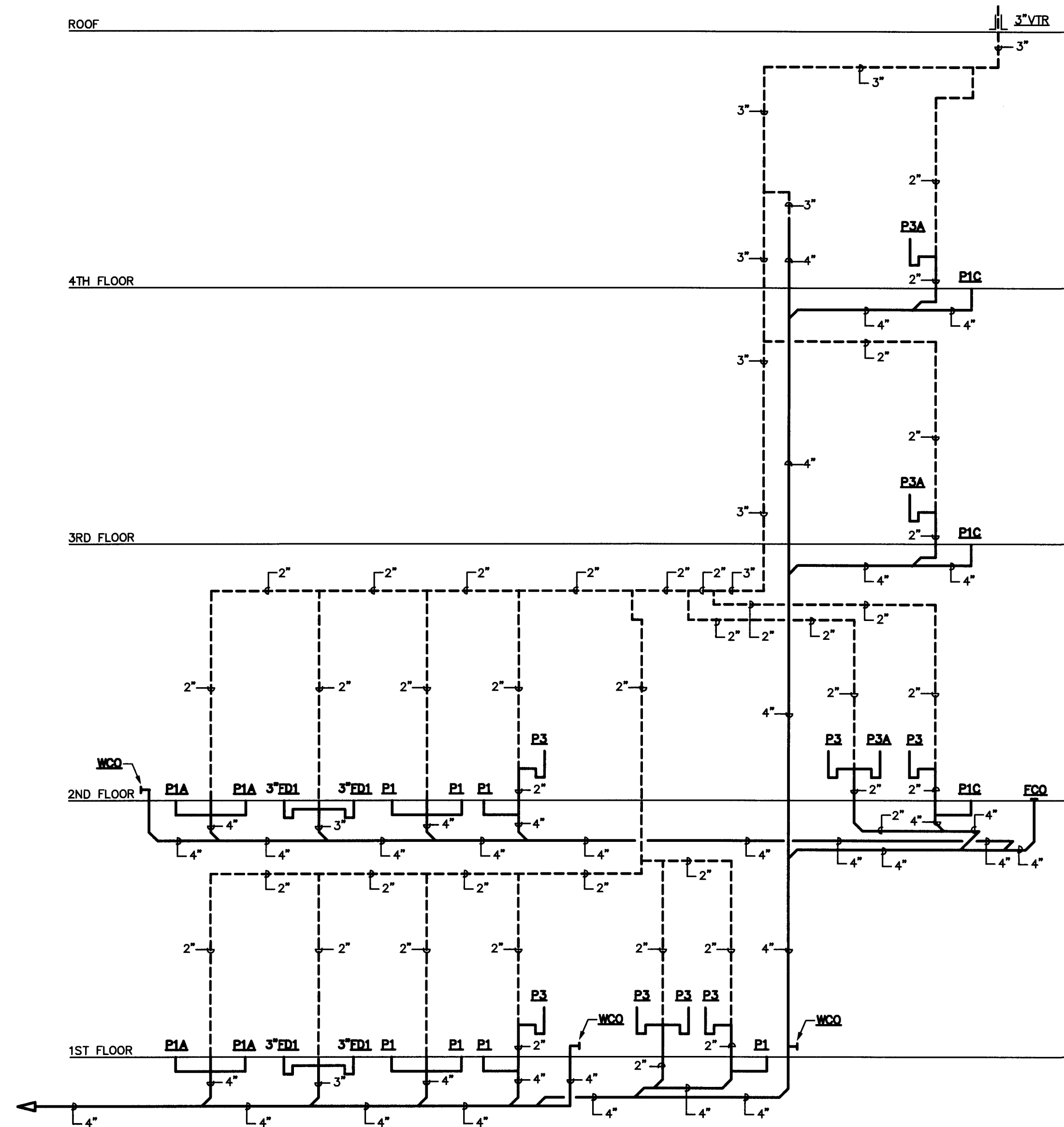
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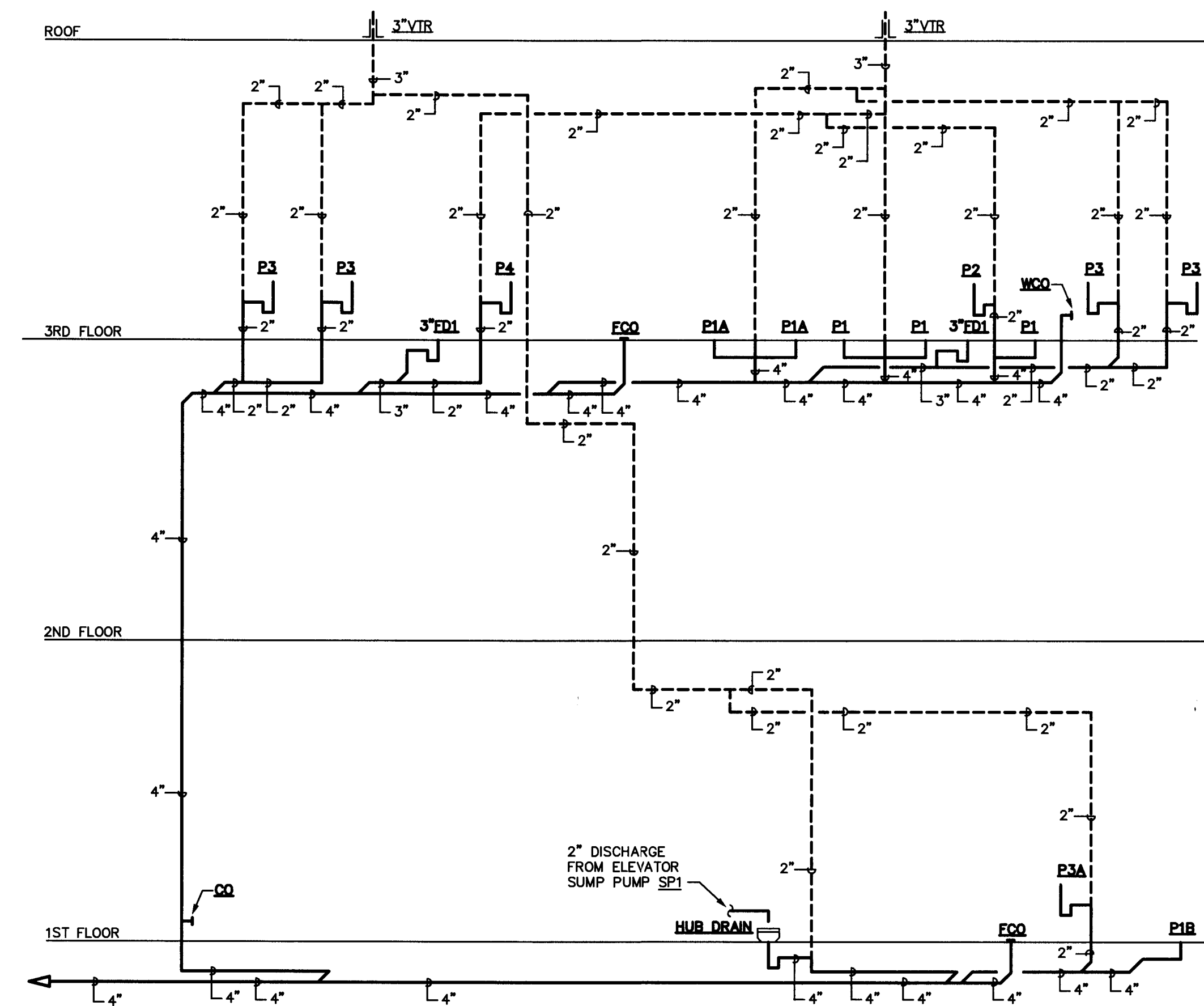


RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
 YORK, SOUTH CAROLINA
 FOURTH FLOOR PLAN - PLUMBING
 RENOVATION - SUPPLY

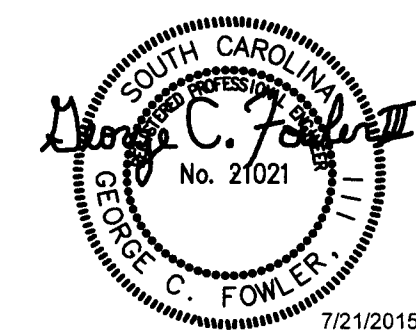
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(R1) WASTE AND VENT RISER DIAGRAM
NO SCALE



(R2) WASTE AND VENT RISER DIAGRAM
NO SCALE



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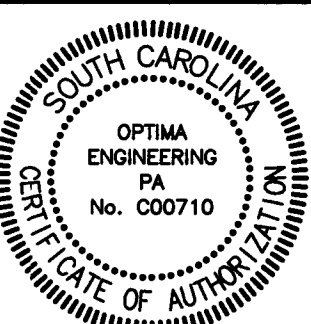
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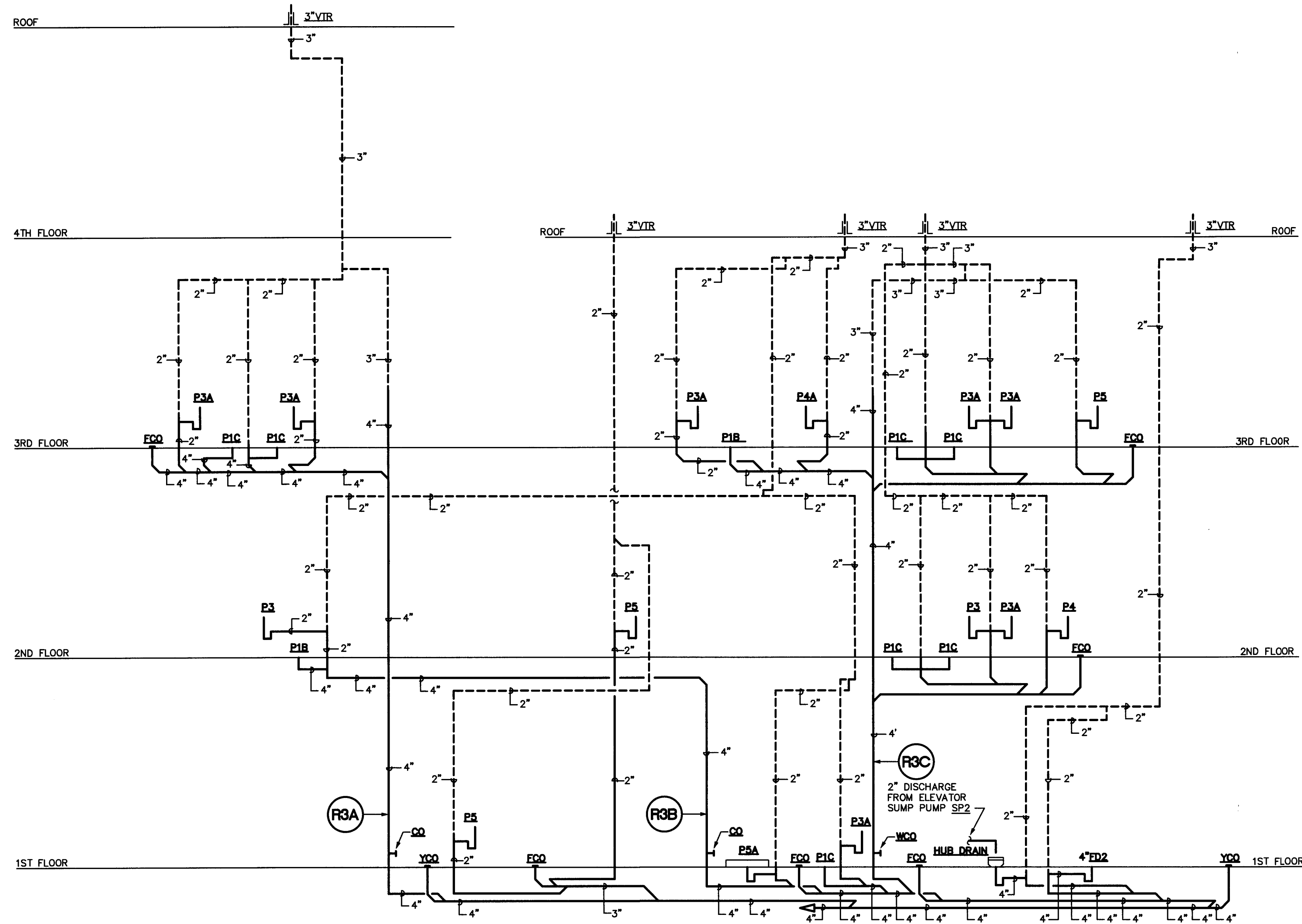
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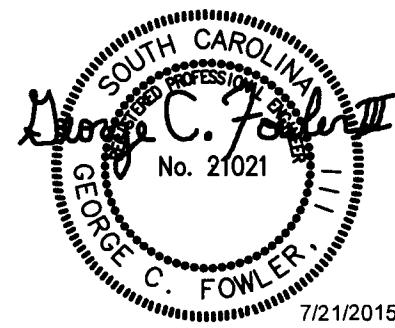


RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

PLUMBING RENOVATION -
WASTE AND VENT RISER DIAGRAM



R3 WASTE AND VENT RISER DIAGRAM
NO SCALE



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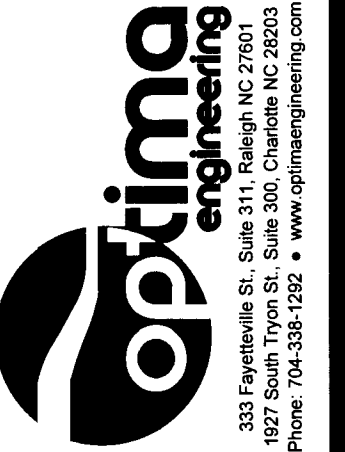
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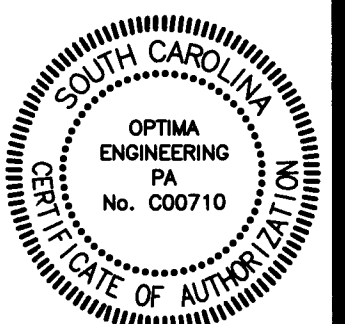
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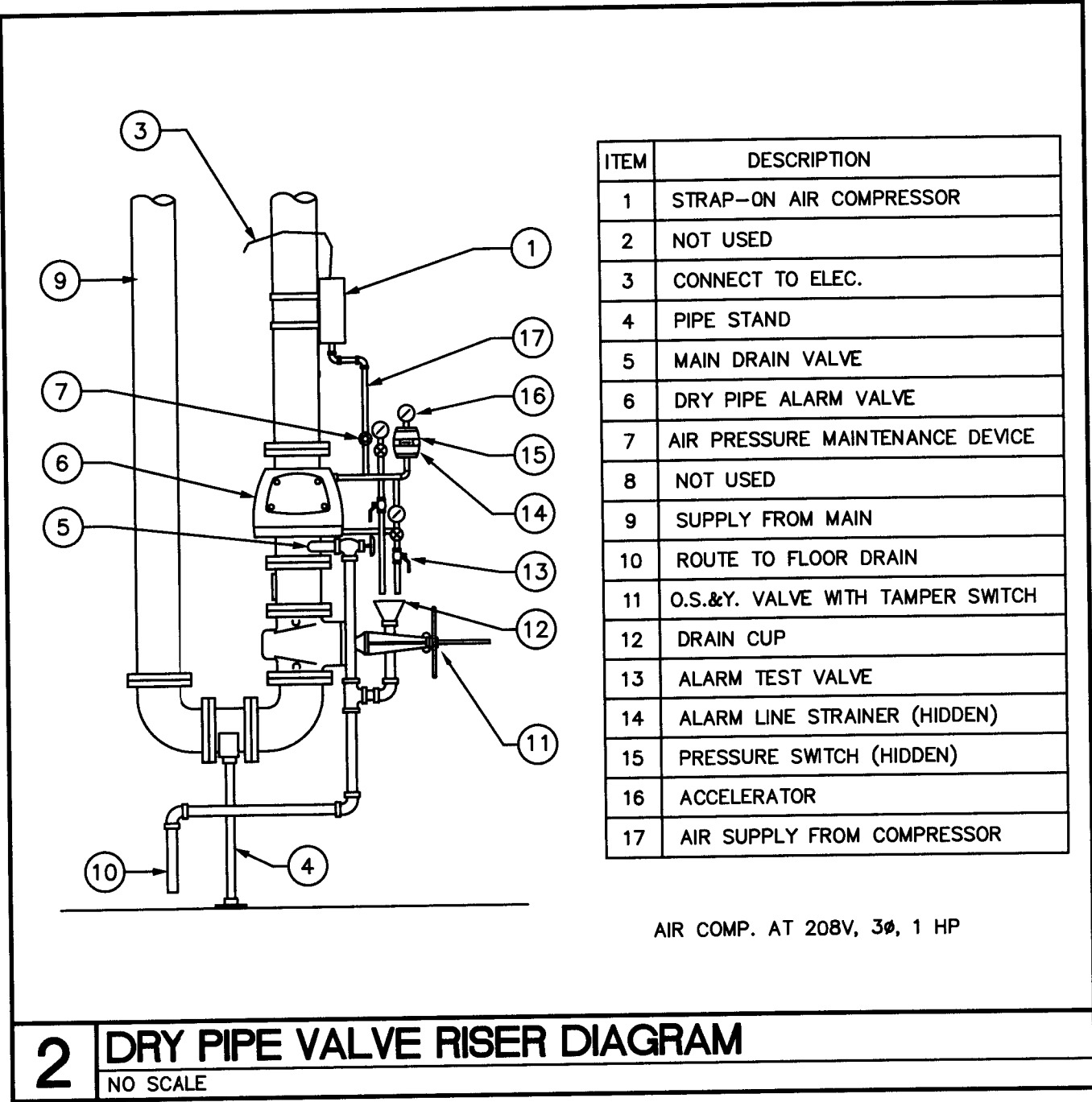
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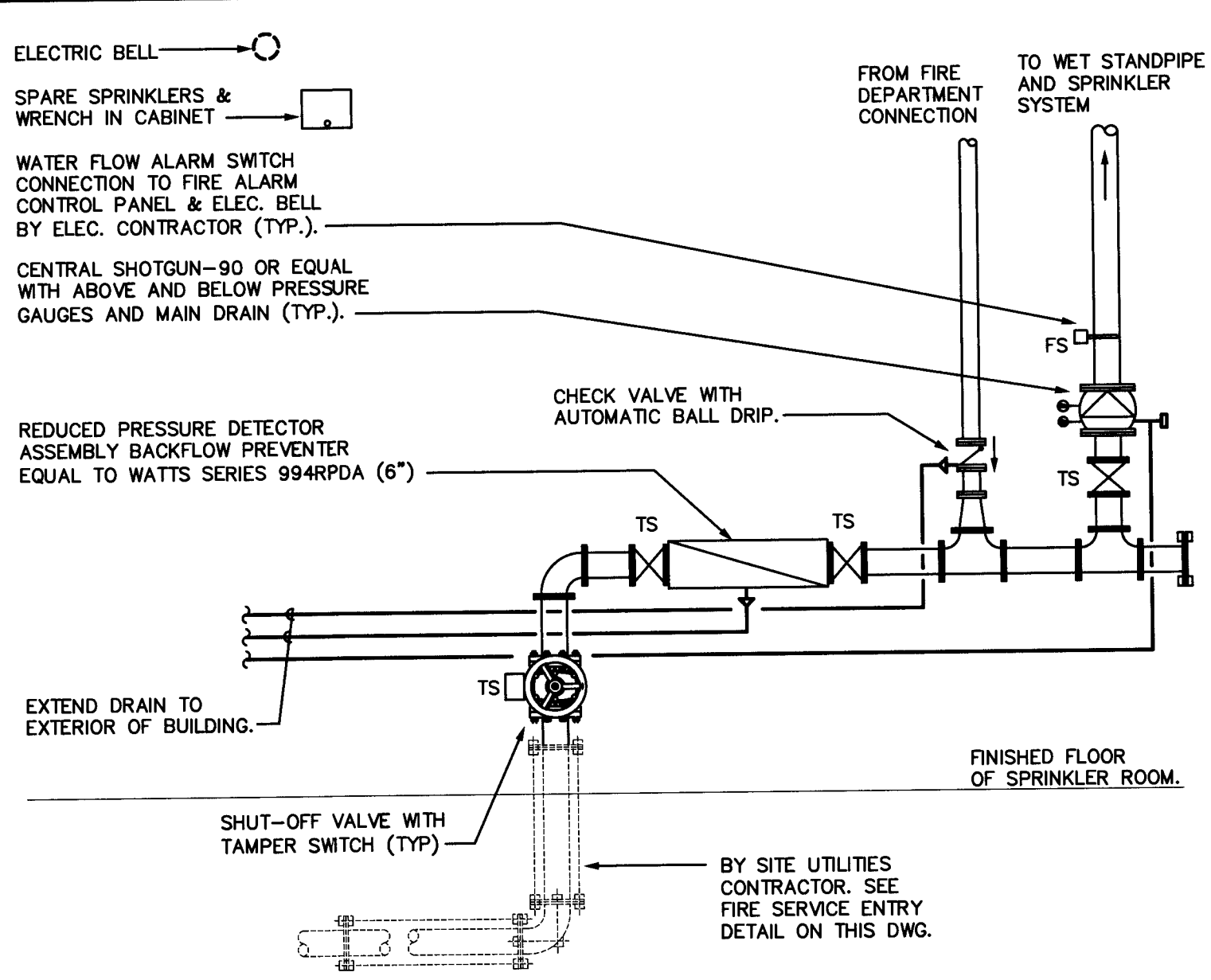
RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

PLUMBING RENOVATION -
WASTE AND VENT RISER DIAGRAM

sheet **8.19**



2 DRY PIPE VALVE RISER DIAGRAM
NO SCALE



1 SPRINKLER RISER DETAIL
NO SCALE

FIRE PROTECTION LEGEND

NEW WORK	DESCRIPTION	ABBREVIATIONS
F	FIRE PROTECTION PIPING	ABV ABOVE
D	DRAIN	AFF ABOVE FINISH FLOOR
TS	OS&Y VALVE WITH TAMPER SWITCH	BEL BELOW
FS	CHECK VALVE	BF BARRIER FREE
FS	FLOW SWITCH	BFF BELOW FINISH FLOOR
	PIPE TURNING DOWN	BFP BACKFLOW PREVENTER
	PIPE TURNING UP	CONT CONTINUATION
	PIPE CAP	DI DUCTILE IRON
	PRESSURE GAUGE	DN DOWN
	ELECTRIC ALARM BELL	EC ELECTRICAL CONTRACTOR
		FDC FIRE DEPARTMENT CONNECTION
		FFE FINISHED FLOOR ELEVATION
		FHVC FIRE HOSE VALVE CABINET
		FIN FINISH
		FL FLOOR
		FR FROM
		FS FLOW SWITCH
		FSEC FOOD SERVICE EQUIP. CONTRACTOR
		GC GENERAL CONTRACTOR
		GPM GALLONS PER MINUTE
		HV HOSE VALVE
		ITC INSPECTOR'S TEST CONNECTION
		MC MECHANICAL CONTRACTOR
		OS&Y OUTSIDE SCREW AND YOKES
		PC PLUMBING CONTRACTOR
		PS PRESSURE SWITCH
		PSI POUNDS PER SQUARE INCH
		SF SQUARE FEET
		TS TAMPER SWITCH
		TYP TYPICAL
		UG UNDERGROUND
		VALV VALVE
		WP WET PIPE
		LH LIGHT HAZARD
		OH-1 ORDINARY HAZARD - GROUP 1

FIRE PROTECTION DESIGN CRITERIA

SYMBOL	OCCUPANCY	TYPE	DESIGN DENSITY (GPM/SF)	HYDRAULIC REMOTE AREA (SF)	MAX. COVERAGE PER SPRINKLER HEAD (SF)	HOSE STREAM INSIDE (GPM)	HOSE STREAM OUTSIDE (GPM)	AREAS OF COVERAGE
LH	LIGHT HAZARD	WET	0.10	1500	225	100	-	ENTIRE FACILITY, EXCEPT AS NOTED OTHERWISE
OH-1	ORDINARY HAZARD GROUP 1	WET	0.15	1500	130	100	150	MECHANICAL ROOMS, STORAGE ROOMS, ELECTRICAL ROOMS, JANITORS CLOSETS, ETC.
OH-1	ORDINARY HAZARD GROUP 1	DRY	0.15	1950	130	100	150	ATTIC, 4TH FLOOR

STANDPIPE SYSTEM: CLASS I, MANUAL WET PER NFPA 14 - 5.4.1.1 AND 7.7.3

APPLICABLE PUBLICATIONS:

THE FOLLOWING PUBLICATIONS SHALL BE USED AS A REFERENCE FOR THE DESIGN OF THE FIRE PROTECTION SYSTEM ON THIS PROJECT:

1. SOUTH CAROLINA STATE BUILDING CODE - FIRE CODE, 2012 EDITION
2. NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS - 2010 EDITION
3. NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS - 2010 EDITION
4. NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES - 2010 EDITION

NOTES:

1. FIRE PROTECTION WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE ABOVE PUBLICATIONS AS WELL AS WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. SPRINKLER HEADS SHALL BE SPACED IN ACCORDANCE WITH NFPA 13 AND THE MANUFACTURERS APPROVAL LISTING.
3. COORDINATE PIPE ROUTING WITH DUCT ROUTING, EQUIPMENT LOCATIONS, ELECTRICAL INSTALLATIONS, AND BUILDING STRUCTURAL MEMBERS. AVOID PENETRATING ANY MAIN STRUCTURAL BEAM. NOTIFY ARCHITECT OF ANY CONFLICTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN FIRE PROTECTION SYSTEM DESIGN AND SHOP DRAWINGS. CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE DATA LISTED ON THIS SHEET AND THE REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
5. SPRINKLERS SHALL BE CENTERED IN CEILING TILES IN AREAS WITH LAY-IN TILES AND VISUALLY ALIGNED IN AREAS WITH SMOOTH CEILINGS. SEE REFLECTED CEILING PLAN FOR PREFERRED LOCATION OF HEADS.
6. PROVIDE CONCEALED TYPE SPRINKLER HEADS FOR AREAS WITH LAY-IN CEILINGS AND GYPBOARD CEILINGS. PROVIDE UPRIGHT SPRINKLER HEADS FOR EXPOSED AREAS. PROVIDE CONCEALED SIDEWALL SPRINKLER HEADS WHERE REQUIRED BY CEILING HEIGHT LIMITATIONS. COORDINATE COLOR OF CONCEALED SPRINKLER HEAD COVER-PLATES WITH ARCHITECT.
7. DURING DESIGN CALCULATIONS, AN ALLOWANCE SHALL BE MADE FOR A 250 GPM HOSE STREAM.
8. FIRE PROTECTION CONTRACTOR SHALL TERMINATE THE HYDRAULIC CALCULATIONS AT THE CITY CONNECTION MINIMUM. INDICATE ON DRAWINGS ALL UNDERGROUND PIPE AND FITTINGS BOTH NEW AND EXISTING.

FLOW TEST DATA

DATE	LOCATION	FLOW TEST PERFORMED BY	PRESSURE		FLOW (GPM)	FLOW AT 20 PSI (GPM)
			STATIC (PSI)	RESIDUAL (PSI)		
2/12/2015	HYDRANT #3040 @ WEST LIBERTY ST. AND HYDRANT #3042 (190' WEST OF HYD. #3040), YORK, SC	R. CARTER, J. CAIN, B. ROSE - CITY OF YORK, SC	70	52	1100	-

FLOW TEST NOTES:

1. SEE SITE UTILITY PLANS FOR EXACT LOCATION OF FIRE HYDRANTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NEW FIRE FLOW TEST ON WHICH TO BASE HIS CALCULATIONS.
3. THE FLOW TEST USED FOR THE WORKING PLAN DESIGN SHOULD BE PERFORMED AS INDICATED IN NFPA 13 WHICH USES TWO HYDRANTS; A PRESSURE HYDRANT AND A FLOW HYDRANT. THE TWO HYDRANTS SHALL BE AS CLOSE TO THE POINT OF CONNECTION AS POSSIBLE. A COPY OF THE FLOW TEST AND TEST HYDRANT LOCATIONS SHALL BE SUBMITTED WITH THE SHOP DRAWING PACKAGE.

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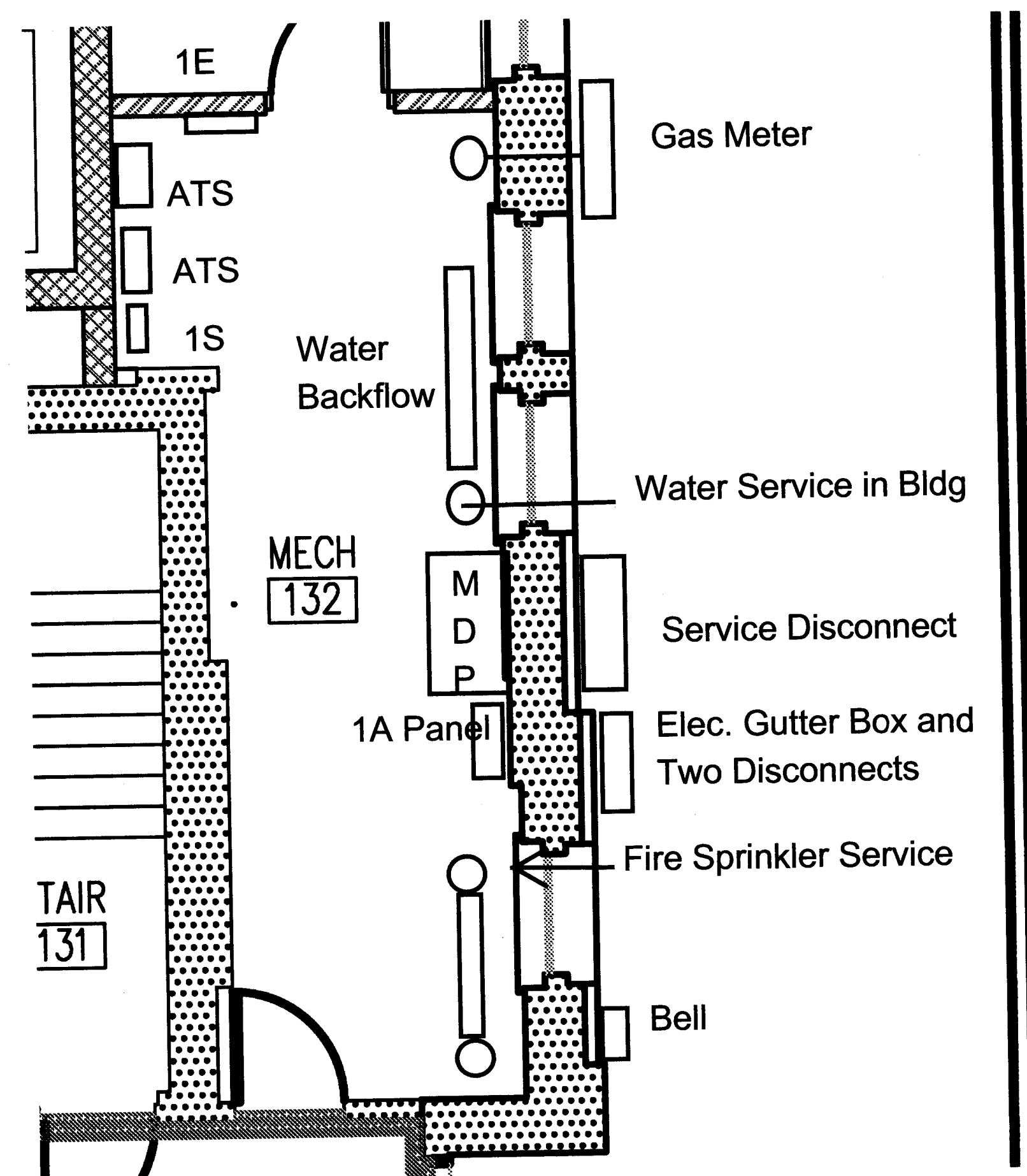
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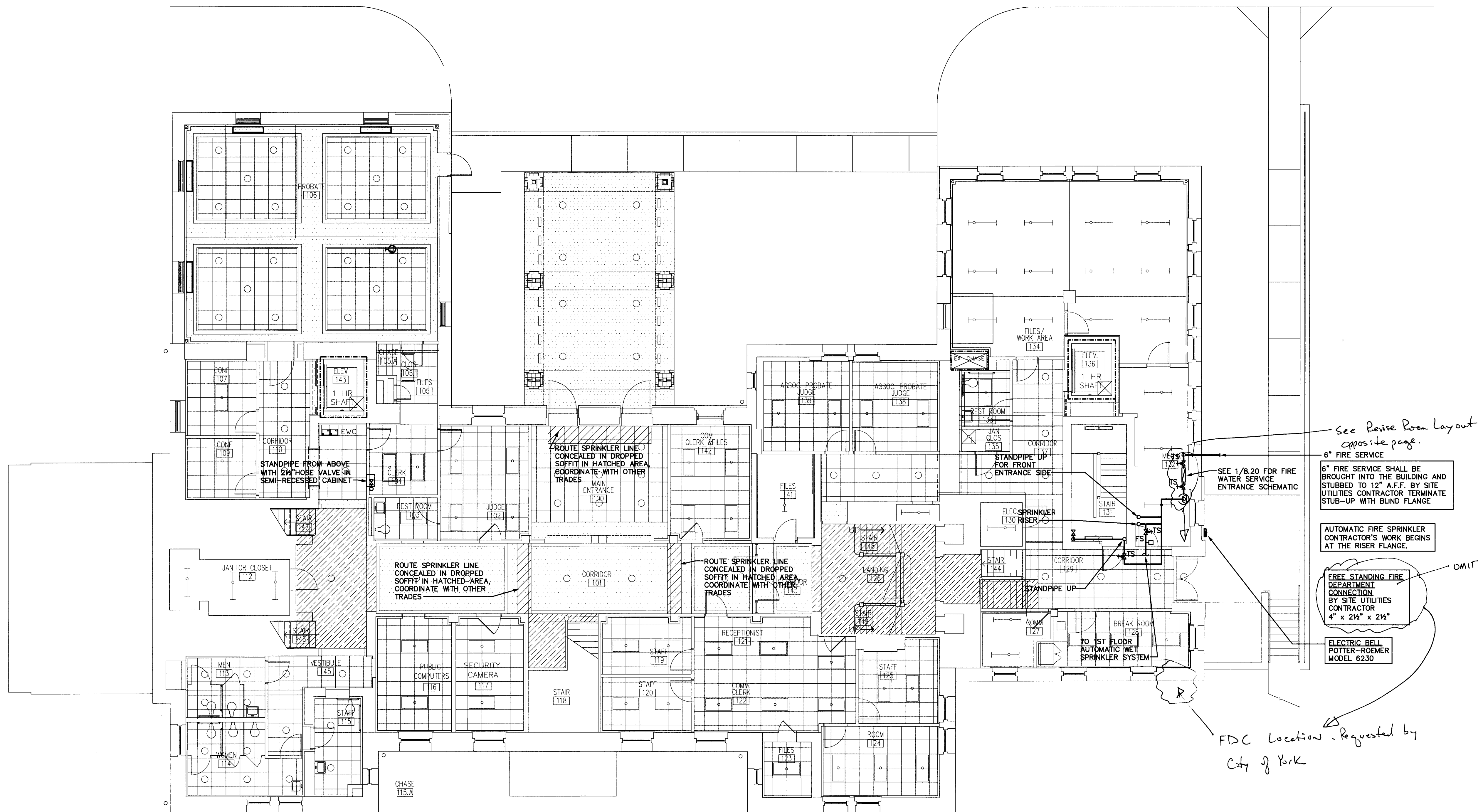
George C. Fowler
No. 21021
7/21/2015

RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
FIRE PROTECTION SCHEDULES,
NOTES, AND DETAILS

sheet **08.20**

OPTIMA # 14-0530 1 OF 5





1 FIRST FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

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Project No.
1390

Date
07-10-2015

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Revisions



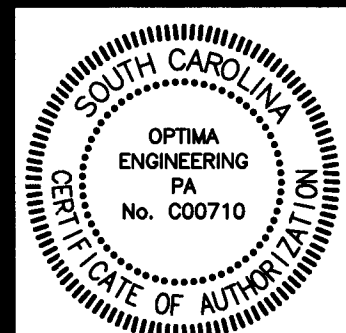
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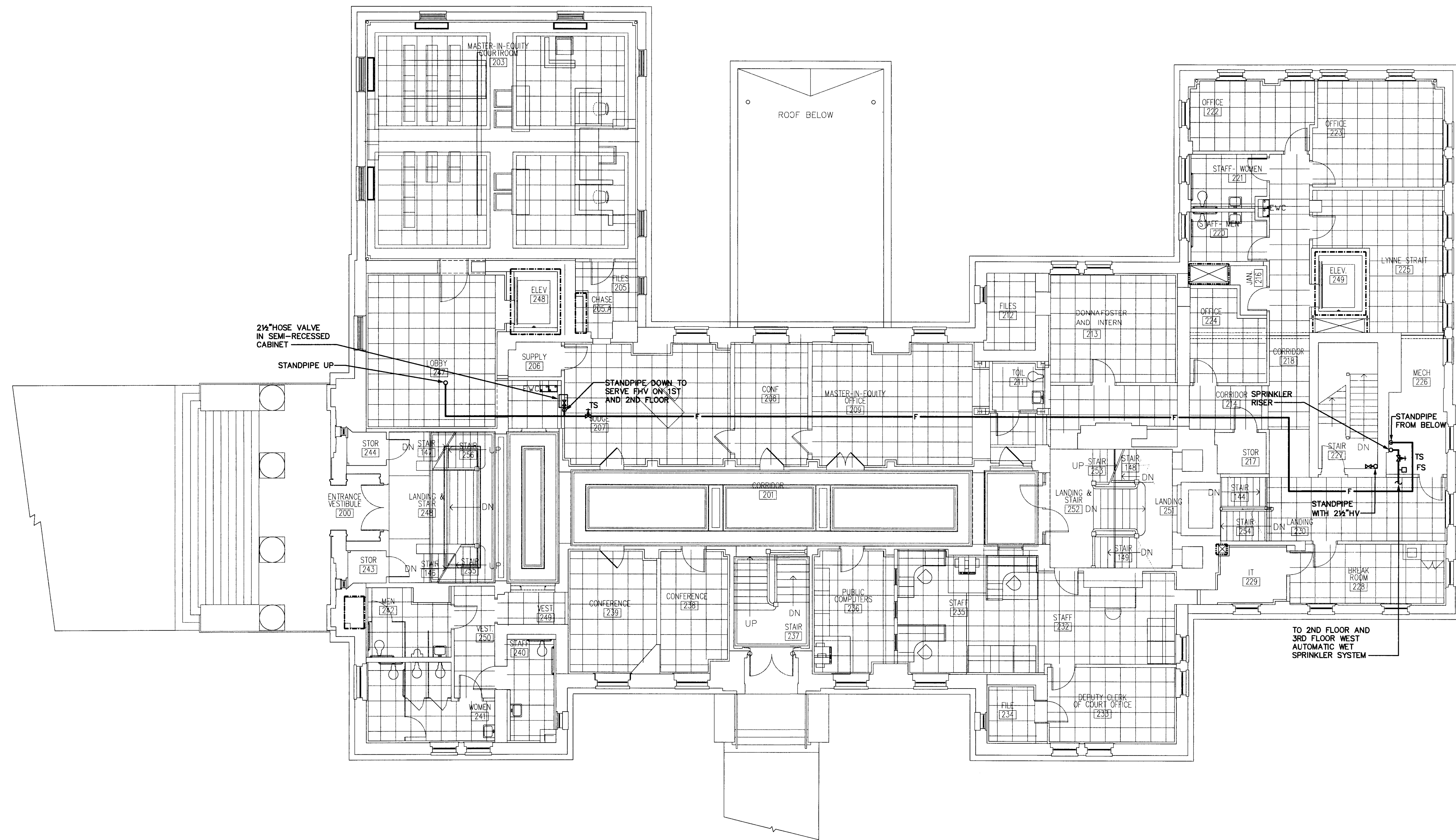
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

FIRST FLOOR PLAN -
FIRE PROTECTION

sheet **08.21**



1 SECOND FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"



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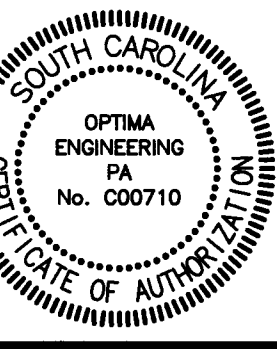
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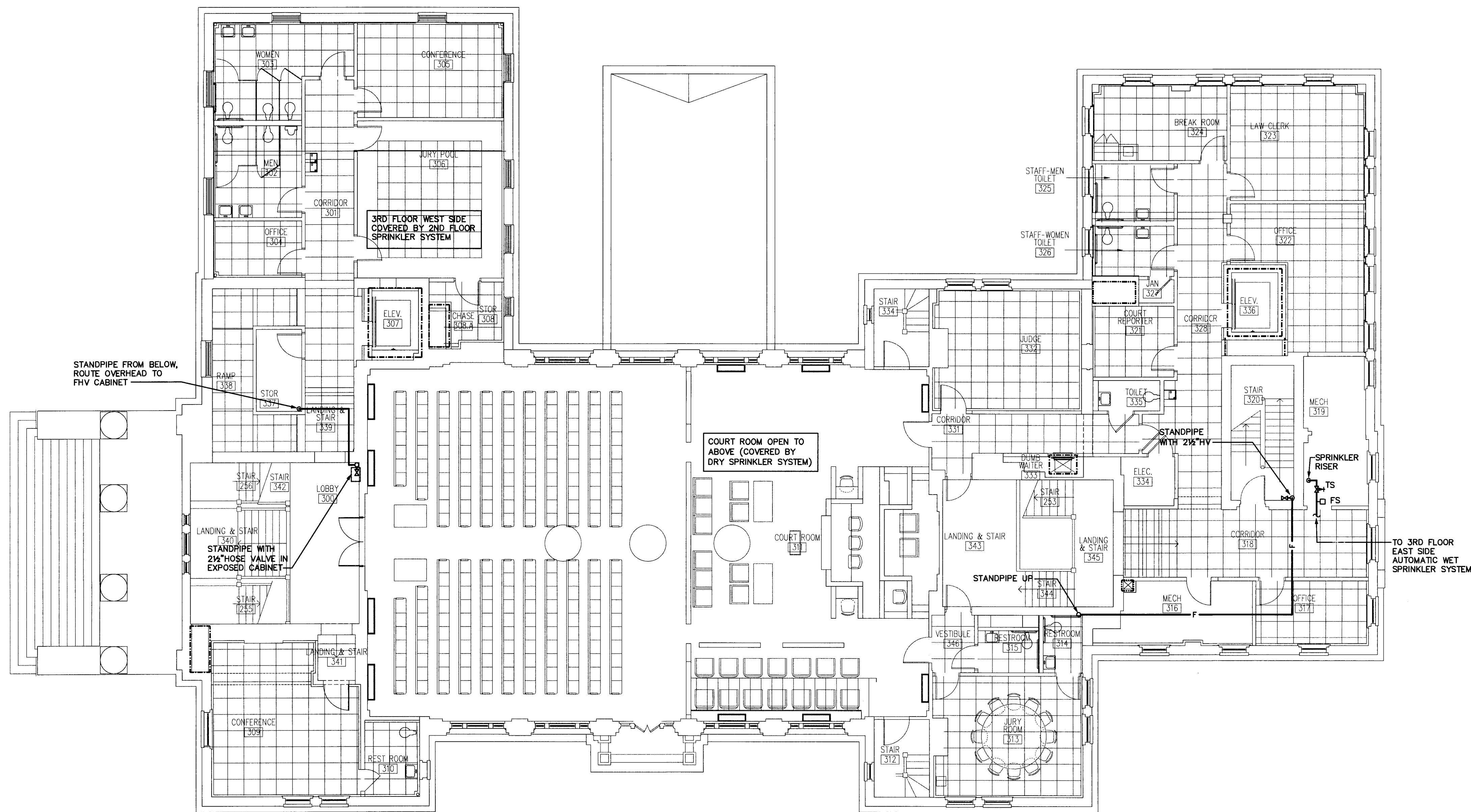
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
**SECOND FLOOR PLAN -
FIRE PROTECTION**

sheet **08.22**



1 THIRD FLOOR PLAN - FIRE PROTECTION
1/8" = 1'-0"



NOTE

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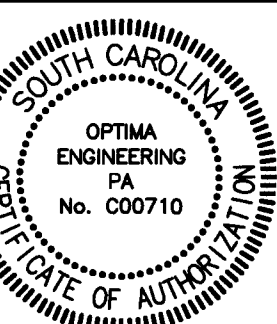
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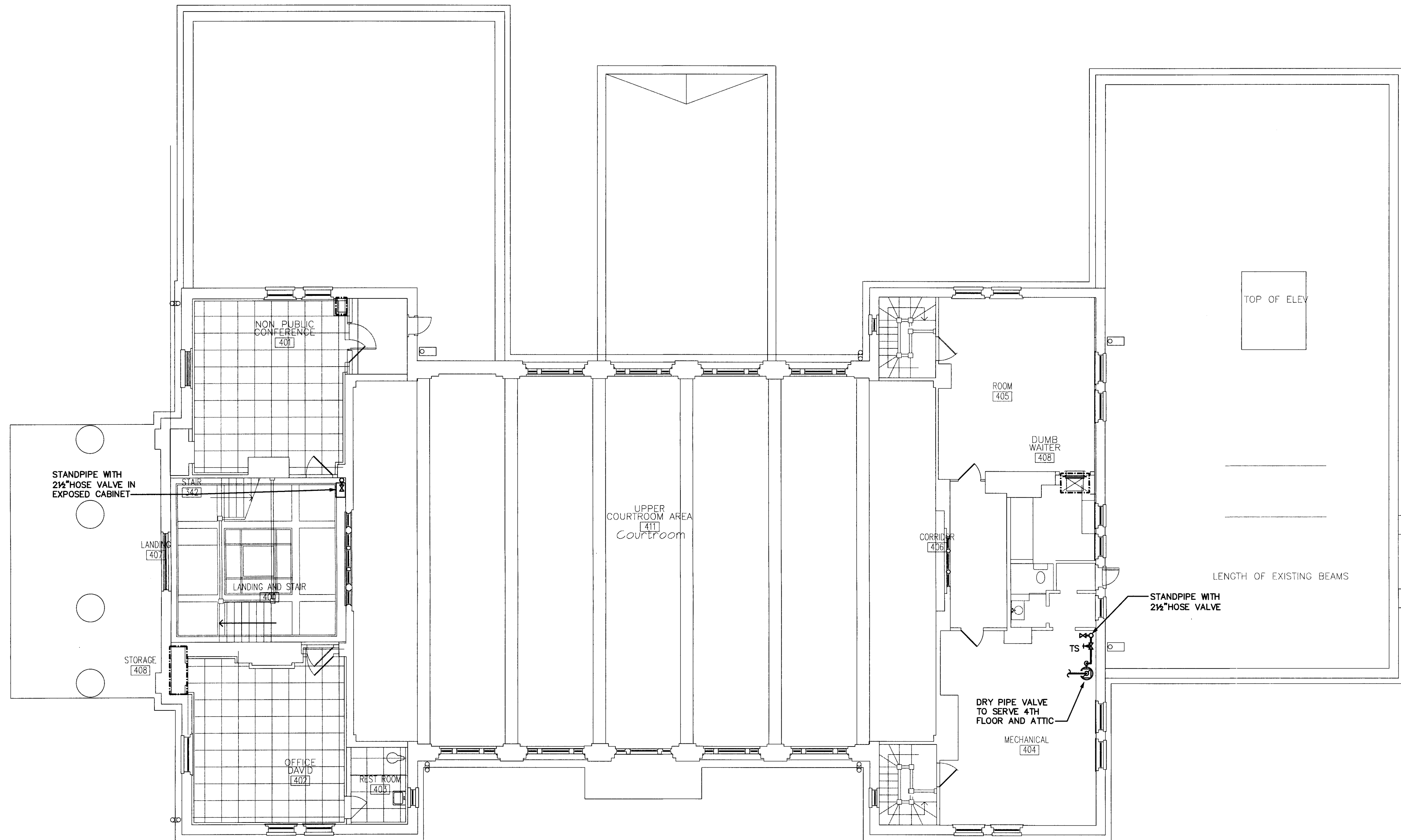
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

THIRD FLOOR PLAN -
FIRE PROTECTION

sheet **08.23**



① **FOURTH FLOOR PLAN - FIRE PROTECTION**
1/8" = 1'-0"



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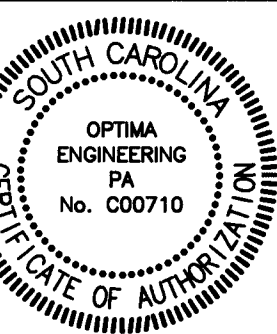
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

FOURTH FLOOR PLAN -
FIRE PROTECTION

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 5/5/16

Ref. Spec. Section/Page: Mechanical
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

2" insulation specified for the refrigerant lines will not fit into the 2" furred stud walls, can the insulation be reduced to fit into the metal studs?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 5/5/16
Response:

Emailed response from Optima:
1-1/2" insulation is required by the current energy code (2009 IECC) that this building was permitted under. It is very clear per the relevant code section. The 2012 IECC was modified to better define this, but you would have to get an exception from the AHJ to use the 2012 IECC for this particular portion of the construction.

If you are able to get the AHJ approval, I'd like to see min. 3/4" insulation on all of this piping, even if the code allows for 1/2" on the liquid line. I think the manufacturer's recommendations also suggest 3/4" as the minimum. There should also be a credit for reduced insulation cost.

Recommended By (Name) Clint Dover Company: Optima Date: 5/5/16

LEITNER
CONSTRUCTION CO., INC.

RFI # 14
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No:

REQUEST FOR INFORMATION

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Action Mechanical

Project: York County Courthouse

Date: 10/14/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Problem/Conflict:

1. Placement of units 2.15, 2.18, 3.14, 3.16 above the ceiling grid make the removal of filters difficult to access, can the returns grills for these units be made filter grills?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 10/14/16
Response:

Filter grilles are an acceptable alternate. Maximum neck size for these return grilles to be 300 FPM.

Recommended By (Name) CLINT DOVER, PE Company: OPTIMA ENGINEERING Date: 10/17/2016

LEITNER
CONSTRUCTION CO., INC.

RFI # 31
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No: 9.14

INTERNATIONAL ENERGY CONSERVATION CODE

IECC 2009 SECTION 501.1
COMPLIANCE WITH ASHRAE 90.1
MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

METHOD OF COMPLIANCE:

PREScriptive ☒ PERFORMANCE ☐ ENERGY COST BUDGET ☐

CLIMATE ZONE: 3A (YORK COUNTY, SOUTH CAROLINA)

EXTERIOR DESIGN CONDITIONS

INTERIOR DESIGN CONDITIONS

BUILDING HEATING LOAD

BUILDING COOLING LOAD

MECHANICAL SPACING CONDITIONING SYSTEM

UNITARY

BOILER

CHILLER

LIST EQUIPMENT EFFICIENCIES

SIGNED: Clinton H. Dover

NAME: CLINTON H. DOVER, P.E.

TITLE: MECHANICAL ENGINEER

COORDINATION DRAWINGS

THE GENERAL CONTRACTOR SHALL ORGANIZE COORDINATION MEETINGS TO DEVELOP A SET OF DRAWINGS WITH ALL CONTRACTORS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, IT/DATA, AND GENERAL CONTRACTOR). THE GENERAL CONTRACTOR WILL HAVE THE LEAD RESPONSIBILITY FOR THE COORDINATION DRAWINGS. THE GENERAL CONTRACTOR SHALL PRODUCE THE ORIGINAL DRAWINGS AND FORWARD THE DRAWINGS AND SOFTWARE FILES TO EACH OF THE OTHER CONTRACTORS FOR THEM TO ADD THEIR SYSTEMS AND DIMENSIONS TO THIS SET OF COORDINATION DRAWINGS. THE CONTRACTORS WILL DEVELOP THE DRAWINGS IN THIS ORDER: MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, IT/DATA (INCLUDING CABLE TRAY) AND GENERAL. THIS ORDER SHALL ALSO BE THE ORDER OF PRECEDENCE FOR INSTALLATION OF SYSTEMS. EQUIPMENT MAINTENANCE CLEARANCES SHALL BE INCLUDED AND OBSERVED ON DRAWINGS. ANY RELOCATION OF SYSTEM ROUTINGS WILL BE FOUND IN THE COORDINATION PHASE AND NOTICED BY EACH OF THE CONTRACTORS. THESE DRAWINGS, WHEN COMPLETED, SHALL BE SIGNED OFF BY ALL OF THE ABOVE LISTED PARTIES. DRAWINGS SHALL BE COMPLETED PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK AND PIPING SYSTEMS, OR PURCHASE OF EQUIPMENT. SUBCONTRACTORS SHALL ATTEND ALL MEETINGS PER THE SCHEDULE CREATED BY THE GENERAL CONTRACTOR. THE FOLLOWING ITEMS REPRESENT THE MINIMUM REQUIREMENTS FOR SHOP DRAWINGS AND COORDINATION DRAWINGS:

1. ALL SHOP AND COORDINATION DRAWINGS WILL BE 1/4"= 1'-0" SCALE.

2. DRAWINGS WILL BE ORIGINAL DRAWINGS AND NOT OVERLAYS OF THE CONTRACT/DESIGN DRAWINGS.

3. COORDINATION DRAWINGS WILL BE DRAWN ON REPRODUCIBLE MATERIAL 48"x36".

4. COORDINATION DRAWINGS ARE NOT SHOP DRAWINGS AND ARE REQUIRED IN ADDITION TO SHOP DRAWINGS.

5. ONCE THE COMPLETE COORDINATION DRAWINGS HAVE BEEN COMPILED, THE GENERAL CONTRACTOR WILL DISTRIBUTE ONE SIGNED SET TO EACH OF THE FOLLOWING CONTRACTORS: MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION. ADDITIONAL SETS WILL BE SENT TO THE OWNER, ARCHITECT, AND ENGINEER.

MECHANICAL GENERAL NOTES

1. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.

2. ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT TO COMPLY WITH BASIS OF DESIGN, INCLUDING PROVIDING MAINTENANCE ACCESS, CLEARANCE, PIPING, SHEET METAL, ELECTRICAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC., SHALL BE INCLUDED IN THE ORIGINAL BASE BID. NO ADDITIONAL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT WILL BE APPROVED DURING CONSTRUCTION AND ALL COST WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THIS INCLUDES ANY MODIFICATIONS TO ANY ASSOCIATED MECHANICAL, PLUMBING, OR ELECTRICAL SYSTEMS REQUIRED BY THIS SPECIFIC MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS. ALL OUTSIDE AIR DUCTWORK LOCATED WITHIN THE BUILDING THERMAL ENVELOPE (NOT INCLUDING ROOF-MOUNTED DUCTWORK, OR DUCTWORK LOCATED ABOVE FOURTH FLOOR) SHALL BE LINED WITH 1" THICK FLEXIBLE ELASTOMERIC INSULATION WITH ANTI-MICROBIAL FINISH AND R-VALUE OF 4.2. SUPPLY AND RETURN INSULATION (INCLUDING FLEXIBLE DUCT INSULATION) FROM DUCTED INDOOR UNITS (CASSETTE OR DUCTED STYLE) SHALL BE 2" DUCT WRAP WITH VAPOR BARRIER AND HAVE A MINIMUM INSTALLED R-VALUE OF 5.0. ALL TRANSFER DUCT SHALL BE LINED WITH 1" FIBERGLASS LINER WITH ANTI-MICROBIAL TREATMENT. ALL FLEXIBLE DUCT SHALL HAVE STEEL WIRE HELIX, AND BE INSULATED WITH INSTALLED R-VALUE OF 5.0. MAXIMUM LENGTH OF FLEXIBLE DUCT IS 4'-0". DUCT DIMENSIONS ON PLANS ARE FREE AREA SIZE.

4. ALL DUCTWORK SHALL BE SEALED PER THE REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE. SEAL DOAS-1 UNIT DUCTWORK FOR POSITIVE 3" PRESSURE CLASS, SMACNA SEAL CLASS A, SMACNA LEAKAGE CLASS 12. SEAL LOW PRESSURE SUPPLY, RETURN, OUTSIDE AIR, AND EXHAUST DUCTWORK FOR POSITIVE/NEGATIVE 2" PRESSURE CLASS, SMACNA SEAL CLASS A, SMACNA LEAKAGE CLASS 12.

5. ALL PIPING, DUCTS, VENTS, ETC., EXTENDING THROUGH WALLS AND ROOF SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER.

6. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH THE WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS, TO AVOID INTERFERENCE.

7. THE MECHANICAL CONTRACTOR SHALL BALANCE ALL MECHANICAL SYSTEMS TO THE PERFORMANCE SPECIFICATIONS INDICATED ON PLANS AND PROVIDE THE ENGINEER WITH THREE COPIES OF A COMPLETE TEST AND BALANCE REPORT. THE REPORT IS TO BE ISSUED A MINIMUM OF TWO WEEKS PRIOR TO PROJECT COMPLETION. THE TEST AND BALANCE REPORT WILL BE SUBJECT TO APPROVAL BY THE ENGINEER. ANY ADDITIONAL TESTING, ADJUSTING AND BALANCING REQUIRED (AT ENGINEER'S REQUEST) AFTER REVIEW OF THE INITIAL REPORT SHALL BE PROVIDED AT NO ADDITIONAL COST. TEST AND BALANCE REPORT TO BE COMPLETED BY AN INDEPENDENT, CERTIFIED TEST AND BALANCE CONTRACTOR.

8. UPON PROJECT COMPLETION, THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER INSTALLATION INFORMATION INCLUDING RECORD SUBMITTALS (WITH ANY SUBMITTAL REVIEW COMMENTS ADDRESSED) AND O&M MANUALS FOR EACH PIECE OF EQUIPMENT INCLUDING ALL SELECTED OPTIONS, THE NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY, FULL CONTROL SYSTEM O&M AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, FULL SEQUENCE OF OPERATION, AND PROGRAMMED SETPOINTS.

9. PROVIDE A ONE YEAR WARRANTY FOR ALL WORK PERFORMED BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION, AS AGREED TO IN WRITING BY THE BUILDING OWNER.

10. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AROUND ALL EQUIPMENT FOR MAINTENANCE AND FILTER REMOVAL.

11. CONDENSATE DRAIN PIPING LOCATED INSIDE THE BUILDING SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS, INSULATED WITH 3/4" FOAMED PLASTIC PIPE INSULATION. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED EXTERNALLY, WHERE NOT PROVIDED WITH AN INTERNAL P-TRAP. MINIMUM DRAIN SIZE SHALL BE 3/4". DRAIN PIPING SHALL SLOPE A MINIMUM OF 1/8" PER FOOT IN THE DIRECTION OF DISCHARGE.

12. ALL REFRIGERANT PIPE SHALL BE NITROGENIZED ACR COPPER TUBE. SIZE AND INSTALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. INSULATE ALL REFRIGERANT PIPING WITH 1-1/2" FLEXIBLE ELASTOMERIC INSULATION (PLENUM-RATED), SEALED/JOINED WITH SEALANT. TAPE IS NOT AN ACCEPTABLE SEALANT. ALL INSULATION EXPOSED TO OUTDOORS SHALL BE COVERED WITH AN OUTER ALUMINUM JACKET EQUAL TO 55-60 MILS ALUMAGUARD WRAPPING. ALL MAINS AND LINE-SETS THAT ARE ROUTED EXPOSED IN OCCUPIED SPACES (NOT ELECTRICAL OR MECHANICAL ROOMS) SHALL BE ROUTED IN LINE-SET COVERS (DIVERSITECH SPEEDI-CHANNEL, OR EQUAL).

13. ANY DEVICE REQUIRING A THERMOSTAT FOR CONTROL SHALL BE FURNISHED WITH A THERMOSTAT WHETHER INDICATED ON THE DRAWINGS OR NOT.

14. INSTALL THE TOP OF ALL THERMOSTATS, SENSORS, AND SWITCHES AT 4'-0" (MAXIMUM) ABOVE FINISH FLOOR. COORDINATE EXACT THERMOSTAT LOCATION WITH OWNER PRIOR TO INSTALLATION. ANY DEVICE ON A PERIMETER WALL SHALL BE MOUNTED ON A FOAM-FILLED ELECTRICAL BOX, WITH ALL GAPS BETWEEN BOX AND WALL SEALED TO PREVENT INFILTRATION.

15. MECHANICAL CONTRACTOR SHALL VERIFY LOCATION OF ROOF PENETRATIONS FOR RELIEF HOODS AND OUTSIDE AIR HOODS WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.

16. ALL ROOF CURBS SHALL EXTEND A MINIMUM OF 8" ABOVE ROOF INSULATION OR AS INDICATED ON THE DRAWINGS, WHICHEVER IS GREATER. IN ADDITION, ALL ROOF CURBS OR EQUIPMENT SUPPORT RAILS THAT SUPPORT EQUIPMENT, PIPING, CONDUIT, ETC. EXPOSED ON THE ROOF SHALL HAVE SUFFICIENT HEIGHT TO MAINTAIN A MINIMUM OF 18" CLEARANCE BELOW SUPPORTED EQUIPMENT FOR ROOF MAINTENANCE.

17. MECHANICAL CONTRACTOR SHALL LOCATE EXHAUST FANS, OUTLETS, AND GAS FLUES A MINIMUM OF 15'-0" FROM ANY OUTSIDE AIR INTAKE.

18. OUTSIDE AIR, SUPPLY AND RETURN DUCTWORK LOCATED OUTSIDE THE BUILDING THERMAL ENVELOPE SHALL BE WRAPPED WITH 3" THICK DUCT BOARD WITH VAPOR BARRIER HAVING A MINIMUM INSTALLED R VALUE OF 8.0. COVER EXTERNAL INSULATION WITH AN ALUMINUM OUTER ENCLOSURE WITH BITUMINOUS FINISH AND SEAL WATER TIGHT. DUCTWORK ROUTED ABOVE COURTROOM SHALL BE PROVIDED WITH 3" THICK DUCT WRAP (NO ALUM. ENCLOSURE REQUIRED).

19. MINIMUM GAS PIPING SIZE SHALL BE 3/4".

20. GAS PIPING AND FITTINGS SHALL BE BLACK STEEL, SCHEDULE 40, IN ACCORDANCE WITH ASTM SPECIFICATION A 106, WITH 150 PSI BLACK MALLEABLE IRON FITTINGS IN ACCORDANCE WITH ASTM SPECIFICATION A 47, GRADE 32510, AND ASA SPECIFICATION B16.3, 125 LB.

21. GAS PIPING SHALL BE TESTED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN NFPA NO 54. ANY OTHER TEST AS REQUIRED BY THE LOCAL GAS INSPECTION DEPARTMENT OR GAS COMPANY SHALL ALSO BE PERFORMED.

22. NATURAL GAS PIPING AND FITTINGS ABOVE GRADE: SCHEDULE 40 BLACK STEEL PIPING, TYPE S, SEAMLESS, GRADE B (ASTM A 53) AND 150 PSI MALLEABLE BLACK IRON FITTINGS, GRADE 32510, (ASTM B 16.3) OR FORGED STEEL WELDING TYPE FITTINGS (ASTM A234). PROVIDE THREADED JOINTS FOR PIPE 2" AND SMALLER. PROVIDE WELDED JOINTS (ASME B31.9) FOR PIPE 2 1/2" AND LARGER.

23. PROVIDE A.G.A. CERTIFIED SHUT-OFF VALVES MINIMUM, 125 PSI RATED, NON-LUBRICATED PLUG TYPE WITH BRONZE BODY AND BRONZE PLUG, STRAINERS AND REGULATORS (AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER) FOR ALL EQUIPMENT CONNECTED TO THE NATURAL GAS SYSTEM.

24. PAINT ALL GAS PIPING WITH 2 COATS OF YELLOW ENAMEL PAINT APPLIED WITH A BRUSH (2 MIL THICKNESS MINIMUM). PROVIDE PRE-PRINTED LABELS WITH BLACK LETTERING INDICATING THE GAS PRESSURE AND THE WORD "GAS" ON THE PIPE AT 5'-0" CENTERS FOR ALL GAS PIPING.

25. PROVIDE UNIONS, FLANGES OR COUPLINGS AT CONNECTION TO ALL VALVES AND EQUIPMENT. DO NOT USE DIRECT WELDED OR THREADED CONNECTIONS TO VALVES, EQUIPMENT OR OTHER APPARATUS.

26. PROVIDE NON-CONDUCTING DIELECTRIC UNIONS WHENEVER CONNECTING DISSIMILAR METALS.

27. EQUIPMENT OPERATED DURING CONSTRUCTION SHALL USE FILTERED MEDIA TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING COILS, DUCTWORK SYSTEMS, AIR TERMINALS ETC. AT COMPLETION OF CONSTRUCTION, MECHANICAL CONTRACTOR SHALL CLEAN ALL SYSTEMS WITH ALL CONTROL DEVICES WIDE OPEN AND REMOVE ANY REMAINING DEBRIS PRIOR TO TEST AND BALANCING. MECHANICAL CONTRACTOR SHALL REPLACE ALL FILTRATION WITH NEW FILTERS AT COMPLETION OF CONSTRUCTION. ANY DUCTWORK, AIR TERMINALS, AND/OR OTHER EQUIPMENT UPSTREAM OF FILTRATION SHALL BE CLEANED THOROUGHLY OF CONSTRUCTION DEBRIS BEFORE HANDING OVER TO OWNER.

28. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RESTRAINTS TO RESIST THE EARTHQUAKE EFFECTS ON THE MECHANICAL SYSTEMS. THE REQUIREMENTS FOR THOSE RESTRAINTS ARE FOUND IN THE CHAPTER 16 OF THE 2012 INTERNATIONAL BUILDING CODE AND ASCE 7. THE ANCHORAGE OF THE MECHANICAL SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 16 OF 2012 INTERNATIONAL BUILDING CODE AND ASCE 7.

29. UNLESS NOTED OTHERWISE, ALL MITERED ELBOWS FOR SUPPLY, RETURN AND GENERAL EXHAUST SYSTEMS SHALL BE PROVIDED WITH TURNING VANES.

30. PROVIDE MANUAL VOLUME DAMPERS AT ALL POINTS ON SUPPLY, RETURN, AND GENERAL EXHAUST SYSTEMS WHERE BRANCHES EXTEND FROM LARGER DUCTS.

MECHANICAL DRAWING INDEX	
DRAWING NUMBER	DRAWING NAME
9.01	NOTES & LEGEND – MECHANICAL
9.02	SCHEDULES – MECHANICAL
9.03	SCHEDULES – MECHANICAL
9.04	CALCULATIONS – MECHANICAL
9.11	FIRST FLOOR PLAN – MECHANICAL DUCTWORK
9.12	SECOND FLOOR PLAN – MECHANICAL DUCTWORK
9.13	THIRD FLOOR PLAN – MECHANICAL DUCTWORK
9.14	FOURTH FLOOR PLAN – MECHANICAL DUCTWORK
9.21	FIRST FLOOR PLAN – MECHANICAL PIPING
9.22	SECOND FLOOR PLAN – MECHANICAL PIPING
9.23	THIRD FLOOR PLAN – MECHANICAL PIPING
9.24	FOURTH FLOOR PLAN – MECHANICAL PIPING
9.31	SEQUENCE OF OPERATIONS – MECHANICAL
9.32	POINTS LIST – MECHANICAL
9.41	DETAILS – MECHANICAL
9.42	DETAILS – MECHANICAL
9.43	UL DETAILS – MECHANICAL

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
ⓘ	THERMOSTAT (4'-0" A.F.F.)
Ⓜ	HUMIDITY SENSOR (4'-0" A.F.F.)
Ⓢ	CO2 SENSOR (4'-0" A.F.F.)
Ⓟ	BAROMETRIC PRESSURE SENSOR (4'-0" A.F.F.)
ⓈⓈ	DUCT MOUNTED SMOKE DETECTOR W/ ACCESS DOOR
Ⓜ	MOTORIZED DAMPER
AFMS	AIRFLOW MONITORING STATION
ⓧ	SUPPLY AIR DIFFUSER
ⓧ	RETURN AIR GRILLE
ⓧ	EXHAUST AIR GRILLE
20x14	20"x 14" RECTANGULAR DUCT
8"⌀	8" DIAMETER ROUND DUCT
—D—	CONDENSATE DRAIN PIPING
—G—	NATURAL GAS PIPING
—R—	REFRIGERANT PIPING – LINESET TO IDU (2-PIPE)
—M—	REFRIGERANT PIPING – MAIN (3-PIPE)
—(U)—	CONDENSATE DRAIN PIPING ROUTED BELOW GRADE
—	DOUBLE LINE DUCTWORK
—	SINGLE LINE DUCTWORK
—FD—	FIRE DAMPER WITH ACCESS DOOR (SEE DETAIL)
—F/SD—	COMBINATION FIRE/SMOKE DAMPER WITH ACCESS DOOR (SEE DETAIL)
—B—	BALL VALVE
—T—	TEST PORT

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.

1390

Date

07-10-2015

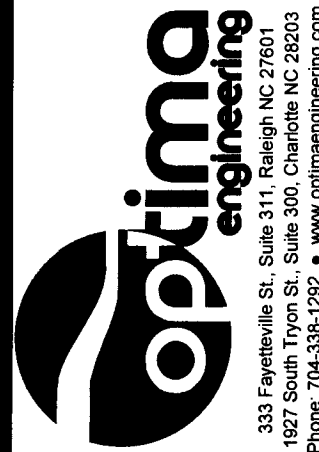
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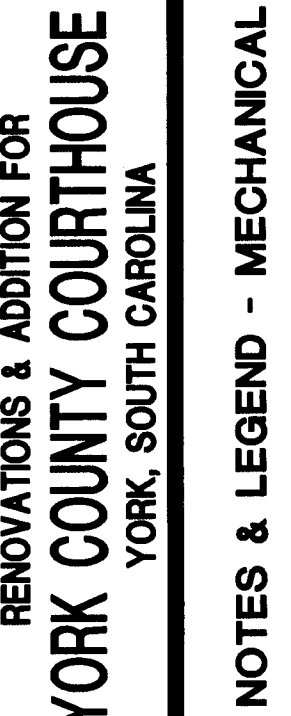
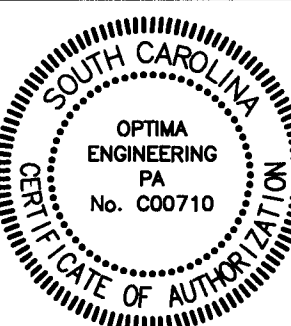
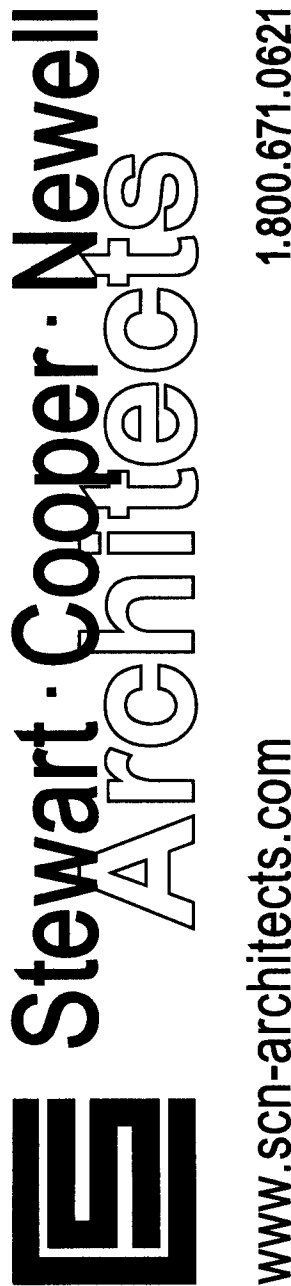
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OPTIMA # 14-0530 1 OF 17

GRILLE AND DIFFUSER SCHEDULE

SYMBOL	SERVICE	CFM RANGE	FACE SIZE *	NECK SIZE	TYPE	QBD *	PRICE
A	SUPPLY	SEE PLAN FOR NECK SIZE & CFM			DOUBLE DEFL.	YES	620
B	SUPPLY	SEE PLANS FOR NECK SIZE & CFM			LINEAR BAR GRILLE	NO	LBP, CORE 27
C	SUPPLY	0 - 125	12x12	6x6	LOUVERED	NO	AMD
D	SUPPLY	0 - 125	24x24	6x6	LOUVERED	NO	AMD
E	SUPPLY	130 - 270	24x24	9x9	LOUVERED	NO	AMD
F	SUPPLY	275 - 500	24x24	12x12	LOUVERED	NO	AMD
G	SUPPLY	0 - 350	20x20	10"Ø NECK	PLAQUE	NO	APD
H	RET./EXH.	SEE PLAN FOR SIZE/CFM			FIXED BLADE	YES	635
J	RET./EXH.	0 - 220	24x12	8x8	PERF.	NO	APDR
K	RET./EXH.	0 - 220	24x24	8x8	PERF.	NO	APDR
L	RET./EXH.	225 - 345	24x24	10x10	PERF.	NO	APDR
M	RETURN	350 - 500	24x24	12x12	PERF.	NO	APDR
N	RETURN	505 - 885	24x24	15x15	PERF.	NO	APDR
P	RETURN	SEE PLANS FOR NECK SIZE & CFM			LINEAR BAR GRILLE	NO	LBP, NO CORE

NOTES:

1. ALL DEVICES SHALL BE FINISHED WITH AN ENAMEL OFF-WHITE FINISH WITH EXCEPTION OF LINEAR BAR GRILLES AND SIDEWALL DIFFUSERS. LINEAR BAR, DOUBLE DEFLECTION, AND FIXED BLADE DIFFUSERS MOUNTED ON SIDEWALLS SHALL BE PROVIDED WITH A "PAINT READY" FINISH, TO BE PAINTED BY G.C. LINEAR BAR GRILLES INSTALLED ON CASEWORK (FOR FLOOR-MOUNTED INDOOR UNITS) SHALL BE PROVIDED WITH A MEDIUM TO DARK BRONZE ANODIZED FINISH (TO BE SELECTED BY ARCHITECT).

2. ALL DEVICES SHALL BE FURNISHED WITH FRAMES SUITABLE FOR TYPE OF INSTALLATION REQUIRED.

3. AIR DEVICES SHALL BE ALL-ALUMINUM CONSTRUCTION.

* USE MINIMUM FACE SIZE FOR SPECIFIED NECK SIZE AT INSTALLATIONS IN GYP. CEILINGS AND PROVIDE OBD'S FOR GRILLE'S MOUNTED ABOVE GYP. BOARD CEILINGS.

VRF HEAT RECOVERY UNIT SCHEDULE

SYMBOL	TIC (BTUH)	BRANCHES		ELECTRICAL DATA		VOLTAGE	MFR. / MODEL	MATCHING CONDENSING UNIT
		CAPACITY	USED	MCA	KW			
HRU-1.1	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-1.2	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-1.3	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-1.4	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-1.5	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-1.6	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-1.7	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-1
HRU-2.1	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-2
HRU-2.2	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-2
HRU-2.3	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-2
HRU-2.4	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-2
HRU-3.1	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-3
HRU-3.2	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-3
HRU-3.3	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-3
HRU-3.4	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-3
HRU-3.5	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-3
HRU-4.1	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-4
HRU-4.2	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-4
HRU-4.3	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-4
HRU-4.4	192,000	4		0.16	---	208V-1Ø	L.G. / PRH041A	HP-4

NOTES:

1. REFRIGERANT ISOLATION VALVES (LINE-SIZE) SHALL BE INSTALLED WITHIN 3 FEET OF ALL HEAT RECOVERY UNIT CONNECTIONS IN ORDER TO ISOLATE INDIVIDUAL REFRIGERANT CIRCUITS.

DEDICATED OUTDOOR AIR DELIVERY SYSTEM SCHEDULE (DX COOLING WITH GAS HEAT)

SYMBOL	AREA SERVED	DESIGN CFM	DESIGN F.S.P.	MIN. CFM	COOLING CAPACITY			HEATING CAPACITY				HOT GAS REHEAT (BTUH)	COMP. (EA)		QEM (EA)		IFM	COMB. FAN		POWER SUPPLY				OPERATING WEIGHT	MANUFACTURER	IRANE	
					NET TC (BTUH)	NET SHC (BTUH)	LAT. AT COIL DB/WB (°F)	INPUT (BTUH)	OUTPUT (BTUH)	AFUE	L.A.T.		NO.	RLA	QTY	FLA		HP	FLA	NO.	HP	FLA	MCA				FLA
DOAS-1	BUILDING VENTILATION	3,750	1.5"	2,400	270,600	164,300	52.8/52.2	300,000	240,000	80%	87.7	97,000	2	43.0/43.0	3	4.2	4.0	8.0	2	0.25	1.7	119.8	109	150	208V-3Ø	3,277 LBS	OAGD264A3

NOTES:

- ALL UNITS SHALL BE AGA CERTIFIED AND U.L. LABELED.
- PROVIDE UNIT WITH: VAV SUPPLY FAN, DOUBLE-WALL CONSTRUCTION, CONVENIENCE OUTLET, LEAD VARIABLE CAPACITY SCROLL COMPRESSOR, VARIABLE SPEED CONDENSER FANS, BACNET CONTROLS INTERFACE, 4" PLEATED FILTERS (MERV 8), SINGLE POINT ELECTRICAL CONNECTION, OUTSIDE AIRFLOW MONITORING STATION, CONDENSER HAILGUARDS, FULLY MODULATING GAS HEAT WITH STAINLESS STEEL HEAT EXCHANGERS, AND MODULATING GAS REHEAT, 1" VIBRATION ISOLATORS
- REFER TO SHEET 9.32 (POINTS LIST AND DETAIL (#1/9.32)) FOR REQUIRED SENSORS
- ALL TEMPERATURES ARE MEASURED IN DEGREES FAHRENHEIT, AND SPECIFIC HUMIDITY IS MEASURED IN GRAINS PER POUND DRY AIR.
- OUTDOOR DESIGN CONDITIONS: SUMMER: 94.1° F. D.B., 74.6° F. W.B. - WINTER: 15° F. D.B.
- MINIMUM COOLING EFFICIENCY: 10.6 EER AT AHRI CONDITIONS & 10.8 EER AT OPERATING CONDITIONS. PROVIDE BOTH CONDITIONS WITH EQUIPMENT SUBMITTALS.
- PROVIDE UNIT WITH A IONIZATION TYPE SMOKE DETECTOR, INSTALLED IN THE SUPPLY DUCT WIRED TO SHUT DOWN THE UNIT UPON ACTIVATION. SMOKE DETECTOR SHALL BE SUPPLIED, WIRED FOR INTERFACE WITH FIRE ALARM SYSTEM AND UNIT SHUTDOWN BY THE ELECTRICAL CONTRACTOR. SMOKE DETECTOR SHALL BE INSTALLED IN THE SUPPLY DUCT BY THE MECHANICAL CONTRACTOR.
- UNIT TO BE MOUNTED ON RAIL SYSTEM (BY OTHERS), WITH HORIZONTAL DISCHARGE (DOWNFLOW SUPPLY AND RETURN CONNECTIONS TO BE FACTORY CAPPED, AS NECESSARY).

VRV INSTALLATION NOTE

ALL MECHANICAL CONTRACTORS BIDDING THIS PROJECT SHALL BE FAMILIAR WITH INSTALLATION OF A VARIABLE REFRIGERANT FLOW (VRV) MECHANICAL SYSTEM. UPON REQUEST, MECHANICAL CONTRACTOR SHALL DEMONSTRATE EXPERIENCE WITH ALL APPLICABLE CONSTRUCTION REQUIREMENTS OF THIS PROJECT.

THE BASIS OF DESIGN FOR PORTIONS OF THIS PROJECT SERVED BY VRV SYSTEMS IS L.G. MULTI-V WITH HEAT RECOVERY (BASIS OF DESIGN VRV MANUFACTURER IS TO BE INDICATED AS ALTERNATE IN BID; SEE APPROVED EQUAL MANUFACTURERS' NOTE, THIS SHEET).

MECHANICAL CONTRACTORS BIDDING THIS PROJECT SHALL:

- HAVE COMPLETED L.G.'S TRAINING OR ANY SUBSTITUTED MANUFACTURER'S VRV INSTALLATION TRAINING.
- HAVE EXPERIENCE AND HAVE COMPLETED INSTALLATION OF L.G.'S (OR SUBSTITUTED MANUFACTURER'S) VRV EQUIPMENT. VERIFICATION OF SUCCESSFULLY COMPLETED VRV PROJECTS SHALL BE PROVIDED UPON REQUEST.

IF CONTRACTOR'S BASE-BID PRICING IS BASED ON ANY OTHER MANUFACTURER THAN L.G., AND THEIR BASE-BID IS SELECTED, THE CONTRACTOR SHALL INCLUDE DETAILED ENGINEERING DRAWINGS SPECIFIC TO THE SUBSTITUTED MANUFACTURER'S EQUIPMENT. THE SUBSTITUTED DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW ALONG WITH EQUIPMENT SUBMITTALS (PRIOR TO ORDERING EQUIPMENT). ALL COSTS ASSOCIATED WITH EQUIPMENT SUBSTITUTIONS SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.

ELECTRIC WALL HEATER SCHEDULE

EWB-1/2/3/4/5/6/7/8 - MARKEL E3058T
0.9 KW; 120V-1Ø; 3,070 BTUH; 245 CFM; PROVIDE WITH: BUILT-IN DISCONNECT SWITCH AND THERMOSTAT, MANUAL RESET THERMAL OVERLOAD PROTECTION, UL OR ETL LISTED, CABINET FOR SURFACE MOUNTING, MOUNTING HARDWARE.

SET THERMOSTAT TO MAINTAIN 50° FOR FREEZE PROTECTION.

DUCTLESS SPLIT SYSTEMS (COOLING ONLY)

INDOOR UNIT											OUTDOOR UNIT									
SYMBOL	ROOM NO.	CFM	OPERATING WEIGHT	MANUFACTURER L.G.	SYSTEM COOLING CAP. TC (BTUH)	SHC (BTUH)	HEATING CAP. (BTUH)	ELECTRICAL DATA MCA	FUSE	VOLTAGE	SYMBOL	LOCATION	COOLING EFFIC. SEER	COMPRESSOR RLA	ELECTRICAL DATA MCA	FUSE	VOLTAGE	OPERATING WEIGHT	MANUFACTURER L.G.	ALLOWABLE LINE-SET LENGTH
A/C-1	COMM (127)	622	31 LBS	LSN181HSV3	18,200	---	22,000	*	*	208V-1Ø	ODU-1	ROOF	20.5	14.6	19	25	208V-1Ø	120 LBS	LSU181HSV3	98 FT.
A/C-2	IT (229)	742	36 LBS	LSN240HSV3	22,000	---	27,600	*	*	208V-1Ø	ODU-2	ROOF	20.0	14.6	19	25	208V-1Ø	130 LBS	LSU240HSV3	98 FT.
												</								

NOTES:

- ALL UNITS SHALL BE U.L. LISTED AND HAVE A MINIMUM SEER OF 13.
- COOLING CAPACITIES ARE BASED ON 95° AMBIENT, 80° ENTERING AIR DRY BULB, 67° ENTERING AIR WET BULB. AIRFLOWS INDICATED ARE AT 'HIGH' SPEED.
- PROVIDE MANUFACTURER'S SUGGESTED CLEARANCES AROUND UNIT.
- PROVIDE UNITS WITH MANUFACTURER'S WIND BAFFLES OR LOW AMBIENT CONTROLS FOR COOLING OPERATION DOWN TO 0° F. INVERTER COMPRESSOR, THERMOSTAT, BACNET OR LONWORK COMPATIBLE INTERFACE CARD FOR CONDENSING UNIT TO COMMUNICATE WITH VRV SYSTEM BACNET GATEWAY.
- PROVIDE OUTDOOR UNITS WITH 6 YEAR EXTENDED COMPRESSOR WARRANTY.
- SEE MANUFACTURER'S RECOMMENDATIONS FOR REQUIRED ADDITIONAL REFRIGERANT CHARGE AND RECOMMENDED LINE-SET LENGTHS.
- REFRIGERANT PIPING AND WIRING FOR WALL-MOUNTED INDOOR UNITS SHALL BE ROUTED IN WALL WHERE POSSIBLE. ANY EXPOSED PIPING SHALL BE PAINTED TO MATCH WALL-FINISH.

* INDOOR UNIT RECEIVES POWER FROM MATCHING OUTDOOR UNIT WITH DISCONNECT IN LINE OF SITE OF INDOOR UNIT; WIRING/DISCONNECT BY ELECTRICAL CONTRACTOR.

APPROVED EQUAL MANUFACTURERS

LISTING OF MANUFACTURER'S NAME DOES NOT GUARANTEE APPROVAL. ALL EQUIPMENT MUST MEET OR EXCEED QUALITY AND CAPACITIES OF SPECIFIED EQUIPMENT. FINAL APPROVAL WILL BE BASED ON EQUIPMENT SUBMITTALS. ANY MANUFACTURER NOT LISTED BUT WISHING TO BID THIS PROJECT SHALL SUBMIT A WRITTEN REQUEST PRIOR TO BID DATE, PRIOR APPROVAL IS REQUIRED FOR ALL MANUFACTURERS NOT LISTED.

VRV SPLIT SYSTEMS: MITSUBISHI, DAIKIN, L.G.

DUCTLESS SPLIT SYSTEMS: MITSUBISHI, DAIKIN, L.G., TRANE

DOAS-1: AAO, TRANE, CARRIER, GREENHECK (MUST HAVE HORIZONTAL DISCHARGE)

BAS (FRONT-END) CONTROLS: TRANE, SIEMENS, ALERTON, JOHNSON

GENERAL FANS: GREENHECK, COOK, PENNBARRY, TWIN CITY

AIR DISTRIBUTION: PRICE, CARNES, NAILOR, TITUS, KRUEGER, TUTTLE & BAILEY

LOUVERS: RUSKIN, SAFE-AIRE, AIR BALANCE INC., UNITED ENERTECH

FIRE DAMPERS: AIR BALANCE INC., GREENHECK, NAILOR, RUSKIN, POTTORFF, NCA, SAFE-AIRE

NOTE:

- ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT TO COMPLY WITH BASIS OF DESIGN, INCLUDING PROVIDING MAINTENANCE ACCESS, CLEARANCE, PIPING, SHEET METAL, ELECTRICAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC., SHALL BE INCLUDED IN THE CONTRACTOR'S BID. NO ADDITIONAL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT WILL BE APPROVED DURING CONSTRUCTION AND ALL COST WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROVIDE A SEPARATE LINE-ITEM ON BID FORM LABELED "ALTERNATE - L.G. VRV SYSTEM INDICATING DIFFERENCE IN PRICING (ADD OR DEDUCT) FOR USE OF BASIS OF DESIGN L.G. VRV SYSTEM MEETING THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS. ALTERNATE SHALL INDICATE THE NET ADD OR DEDUCT REQUIRED FOR THE ENTIRE VRV SYSTEM, INCLUDING EQUIPMENT, ACCESSORIES, PIPING, CONTROLS, AND INTERFACE WITH BUILDING AUTOMATION SYSTEM. IF BASIS OF DESIGN EQUIPMENT IS USED FOR BID, THE COST INPUT FOR THIS ALTERNATE SHOULD STATE "\$0.00".

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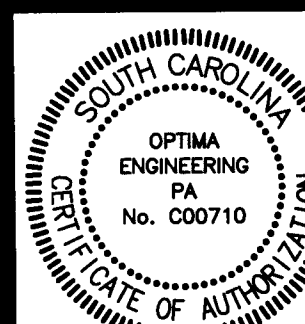
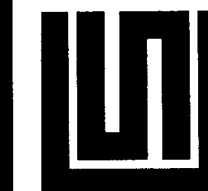
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Revisions



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Architects



RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet 9.02

OPTIMA # 14-0530 2 OF 17

VARIABLE REFRIGERANT FLOW (VRF) SYSTEM WITH HEAT RECOVERY

INDOOR UNIT															OUTDOOR UNIT																																									
SYMBOL	TYPE	CFM	E.S.P.	DESIGN COOLING LOAD		CORRECTED CAPACITY		HEATING CAPACITY		OPERATING WEIGHT	SOUND PRESSURE dB(A) (H/M/L)	ELECTRICAL DATA			MANUFACTURER L.G.	SYMBOL	LOCATION	DUCTED			MINIMUM LOAD (% TC)	TOTAL COOLING CAPACITY (BTUH)		TOTAL HEATING CAPACITY (BTUH)		ELECTRICAL CONNECTION #1				ELECTRICAL CONNECTION #2				OPERATING WEIGHT	MANUFACTURER L.G.																					
				TC (BTUH)	SHC (BTUH)	TC (BTUH)	SHC (BTUH)	NOMINAL	CORRECTED			AMPS	FUSE	VOLTAGE				F.E.R.	I.E.E.R.	C.O.P.		NOMINAL (BTUH)	CORRECTED (BTUH)	NOMINAL (BTUH)	CORRECTED (BTUH)	COMP. (RLA)	MCA	FUSE	VOLTAGE	COMP. (RLA)	MCA	FUSE	VOLTAGE																							
IDU-1.11	SMALL FRAME CASSETTE	265	N/A	7,500	---	---	---	8,500	---	37 LBS	29/27/26	0.2	15	208V/1#	ARNU073TRC2	HP-1	ROOF POCKET	11.2	19.5	3.55	---	288,000	278,900	324,000	333,200	19.0 + 19.0	44.0	60	208V-3#	19.0 + 19.0	52.5	60	208V-3#	1256 LBS	ARUB288BTE4																					
IDU-1.12	SMALL FRAME CASSETTE	265	N/A	7,500	---	---	---	8,500	---	37 LBS	29/27/26	0.2	15	208V/1#	ARNU073TRC2																																									
IDU-1.13	LARGE FRAME CASSETTE	883	N/A	36,200	---	---	---	40,600	---	79 LBS	43/40/37	0.6	15	208V-1#	ARNU363TNC2																																									
IDU-1.14	SMALL FRAME CASSETTE	283	N/A	9,600	---	---	---	10,900	---	47 LBS	30/29/27	0.2	15	208V-1#	ARNU093TRC2																																									
IDU-1.15	SMALL FRAME CASSETTE	265	N/A	7,500	---	---	---	8,500	---	37 LBS	29/27/26	0.2	15	208V/1#	ARNU073TRC2																																									
IDU-1.16	WALL-MOUNTED	424	N/A	19,100	---	---	---	21,500	---	32 LBS	44/40/36	0.6	15	208V-1#	ARNU183SSL2																																									
IDU-1.17	LARGE FRAME CASSETTE	565	N/A	19,100	---	---	---	21,500	---	86 LBS	34/30/26	0.6	15	208V-1#	ARNU183TNAA																																									
IDU-1.18	WALL-MOUNTED	424	N/A	19,100	---	---	---	21,500	---	32 LBS	44/40/36	0.6	15	208V-1#	ARNU183SSL2																																									
IDU-2.11	SMALL FRAME CASSETTE	307	N/A	12,300	---	---	---	13,600	---	47 LBS	32/30/27	0.2	15	208V-1#	ARNU123TRC2																																									
IDU-2.12	SMALL FRAME CASSETTE	388	N/A	15,400	---	---	---	17,100	---	53 LBS	36/34/32	0.2	15	208V/1#	ARNU153TCQ2																																									
IDU-2.13	SMALL FRAME CASSETTE	307	N/A	12,300	---	---	---	13,600	---	47 LBS	32/30/27	0.2	15	208V-1#	ARNU123TRC2																																									
IDU-2.14	WALL-MOUNTED	494	N/A	24,200	---	---	---	27,300	---	31 LBS	46/41/38	0.6	15	208V-1#	ARNU243SSL2																																									
IDU-2.15	DUCTED	670	0.31"	24,200	---	---	---	27,300	---	95 LBS	42/39/37	2.7	15	208V-1#	ARNU243BGA4																																									
IDU-3.10	UNCASED FLOOR MOUNTED	406	N/A	15,400	---	---	---	17,100	---	56 LBS	38/37/35	0.8	15	208V-1#	ARNU153CEU4																																									
IDU-3.11	UNCASED FLOOR MOUNTED	406	N/A	15,400	---	---	---	17,100	---	56 LBS	38/37/35	0.8	15	208V-1#	ARNU153CEU4																																									
IDU-3.12	UNCASED FLOOR MOUNTED	406	N/A	15,400	---	---	---	17,100	---	56 LBS	38/37/35	0.8	15	208V-1#	ARNU153CEU4																																									
IDU-3.13	LARGE FRAME CASSETTE	565	N/A	19,100	---	---	---	21,500	---	86 LBS	34/30/26	0.6	15	208V-1#	ARNU183TNAA																																									
IDU-3.14	DUCTED	535	0.31"	19,100	---	---	---	21,500	---	95 LBS	41/39/37	2.7	15	208V-1#	ARNU183BGA4																																									
IDU-3.18	WALL-MOUNTED	247	N/A	7,500	---	---	---	8,500	---	26 LBS	29/27/26	0.2	15	208V-1#	ARNU073SBL4																																									
IDU-4.3	WALL-MOUNTED	371	N/A	15,400	---	---	---	17,100	---	26 LBS	42/40/34	0.2	15	208V-1#	ARNU153SBL4																																									
IDU-4.4	WALL-MOUNTED	371	N/A	15,400	---	---	---	17,100	---	26 LBS	42/40/34	0.2	15	208V-1#	ARNU153SBL4																																									
IDU-1.19	WALL-MOUNTED	424	N/A	19,100	---	---	---	21,500	---	32 LBS	44/40/36	0.6	15	208V-1#	ARNU183SSL2																					HP-2	ROOF POCKET	11.6	20.0	3.56	---	240,000	---	270,000	---	27.3	40.1	60	208V-3#	19.0 + 19.0	48.8	60	208V-3#	1168 LBS	ARUB240BTE4	
IDU-1.20	WALL-MOUNTED	424	N/A	19,100	---	---	---	21,500	---	32 LBS	44/40/36	0.6	15	208V-1#	ARNU183SSL2																																									
IDU-1.21	LARGE FRAME CASSETTE	477	N/A	9,600	---	---	---	10,900	---	66 LBS	29/26/24	0.6	15	208V-1#	ARNU093TNAA																																									
IDU-1.22	SMALL FRAME CASSETTE	398	N/A	19,100	---	---	---	21,500	---	53 LBS	37/35/34	0.2	15	208V/1#	ARNU183TCQ2																																									
IDU-1.23	LARGE FRAME CASSETTE	530	N/A	15,400	---	---	---	17,100	---	66 LBS	32/29/26	0.6	15	208V/1#	ARNU153TNAA																																									
IDU-2.17	LARGE FRAME CASSETTE	565	N/A	19,100	---	---	---	21,500	---	86 LBS	34/30/26	0.6	15	208V-1#	ARNU183TNAA																																									
IDU-2.18	DUCTED	1000	0.39"	36,200	---	---	---	40,600	---	95 LBS	44/43/42	2.7	15	208V-1#	ARNU363BGA4																																									
IDU-2.19	SMALL FRAME CASSETTE	307	N/A	12,300	---	---	---	13,600	---	47 LBS	32/30/27	0.2	15	208V-1#	ARNU123TRC2																																									
IDU-2.20	SMALL FRAME CASSETTE	307	N/A	12,300	---	---	---	13,600	---	47 LBS	32/30/27	0.2	15	208V-1#	ARNU123TRC2																																									
IDU-2.21	LARGE FRAME CASSETTE	565	N/A	19,100	---	---	---	21,500	---	86 LBS	34/30/26	0.6	15	208V-1#	ARNU183TNAA																																									
IDU-3.15	LARGE FRAME CASSETTE	742	N/A	24,200	---	---	---	27,300	---	66 LBS	40/38/35	0.6	15	208V/1#	ARNU243TNAA																																									
IDU-3.16	DUCTED	890	0.31"	28,000	---	---	---	31,500	---	95 LBS	42/41/40	2.7	15	208V-1#	ARNU283BGA4																																									
IDU-3.17	SMALL FRAME CASSETTE	265	N/A	7,500	---	---	---	8,500	---	37 LBS	29/27/26	0.2	15	208V/1#	ARNU073TRC2																																									
IDU-3.19	SMALL FRAME CASSETTE	396	N/A	19,100	---	---	---	21,500	---	53 LBS	37/35/34	0.2	15	208V/1#	ARNU183TCQ2																																									
IDU-3.20	UNCASED FLOOR MOUNTED	406	N/A	15,400	---	---	---	17,100	---	56 LBS	38/37/35	0.8	15	208V-1#	ARNU153CEU4																																									
IDU-3.21	UNCASED FLOOR MOUNTED	406	N/A	15,400	---	---	---	17,100	---	56 LBS	38/37/35	0.8	15	208V-1#	ARNU153CEU4																																									
IDU-3.22	UNCASED FLOOR MOUNTED	406	N/A	15,400	---	---	---	17,100	---	56 LBS	38/37/35	0.8	15	208V-1#	ARNU153CEU4																																									
IDU-1.1	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4	HP-3	ROOF POCKET	11.2	19.5	3.55	---	288,000	293,600	324,000	318,100	19.0 + 19.0	44.0	60	208V-3#	19.0 + 19.0	52.5	60	208V-3#	1256 LBS	ARUB288BTE4																					
IDU-1.2	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-1.3	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-1.4	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-1.5	SMALL FRAME CASSETTE	307	N/A	12,300	---	---	---	13,600	---	47 LBS	32/30/27	0.2	15	208V-1#	ARNU123TRC2																																									
IDU-1.6	SMALL FRAME CASSETTE	307	N/A	12,300	---	---	---	13,600	---	47 LBS	32/30/27	0.2	15	208V-1#	ARNU123TRC2																																									
IDU-1.24	LARGE FRAME CASSETTE	530	N/A	15,400	---	---	---	17,100	---	66 LBS	32/29/26	0.6	15	208V/1#	ARNU153TNAA																																									
IDU-1.25	SMALL FRAME CASSETTE	265	N/A	7,500	---	---	---	8,500	---	37 LBS	29/27/26	0.2	15	208V/1#	ARNU073TRC2																																									
IDU-2.1	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-2.2	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-2.3	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-2.4	UNCASED FLOOR MOUNTED	565	N/A	19,100	---	---	---	21,500	---	68 LBS	40/37/34	1.0	15	208V-1#	ARNU183CFU4																																									
IDU-2.5	LARGE FRAME CASSETTE	742	N/A	24,200	---	---	---	27,300	---	66 LBS	40/38/35	0.6	15	208V/1#	ARNU243TNAA																																									
IDU-2.6	NOT USED																																																							
IDU-2.22	LARGE FRAME CASSETTE	565	N/A	19,100	---	---	---	21,500	---	86 LBS																																														

[illegible]

OCCUPABLE ZONE ROOM NAME/NUMBER:	OCCUPANCY CLASSIFICATION	PEOPLE O/A RATE IN BREATHING ZONE (CFM/PERSON)	AREA O/A RATE IN BREATHING ZONE (CFM/SQ. FT.)	DEFAULT OCCUPANCY DENSITY (PEOPLE/1000 SQ. FT.)	AREA (SQ. FT.)	CALCULATED OCCUPANCY (PEOPLE)	CALCULATED PEOPLE O/A (CFM)	CALCULATED AREA O/A (CFM)	Ez	Ev	OUTSIDE AIR REQUIRED (CFM)	OUTSIDE AIR PROVIDED (CFM)
SECOND FLOOR LEVEL												
201 - CORRIDOR	CORRIDOR	--	0.06	--	1224	--	--	73.4	1.0	1.0	73.4	75
203 - MASTER-IN-EQUITY COURTROOM	COURTROOMS	5	0.06	70	1143	80	400	68.6	1.0	1.0	468.6	470
207 - JUDGE	OFFICE	5	0.06	5	353	1.8	9	21.2	1.0	1.0	30.2	35
208 - CONF	CONFERENCE	5	0.06	50	161	8.1	40.3	9.7	1.0	1.0	50.0	50
209 - MASTER-IN-EQUITY OFFICE	OFFICE	5	0.06	5	367	1.8	9.2	22.0	1.0	1.0	31.2	35
213 - DONNA FOSTER AND INTERN	OFFICE	5	0.06	5	243	1.2	6.1	14.6	1.0	1.0	20.7	25
214 - CORRIDOR	CORRIDOR	--	0.06	--	166	--	--	10.0	1.0	1.0	10.0	25
218 - CORRIDOR	CORRIDOR	--	0.06	--	226	--	--	13.6	1.0	1.0	13.6	25
222 - OFFICE	OFFICE	5	0.06	5	154	0.8	3.9	9.2	1.0	1.0	13.1	25
223 - OFFICE	OFFICE	5	0.06	5	240	1.2	6.0	14.4	1.0	1.0	20.4	25
225 - LYNNE STRAIT	OFFICE	5	0.06	5	239	1.2	6.0	14.3	1.0	1.0	20.3	25
228 - BREAK ROOM	BREAK ROOM	5	0.06	25	156	3.9	19.5	9.4	1.0	1.0	28.9	30
230 - LANDING	CORRIDOR	--	0.06	--	579	--	--	34.7	1.0	1.0	34.7	35
232 - STAFF	OFFICE	5	0.06	5	214	1.1	5.4	12.8	1.0	1.0	18.2	25
233 - DEPUTY CLERK OF COURT OFFICE	OFFICE	5	0.06	5	171	0.9	4.3	10.3	1.0	1.0	14.5	25
235 - STAFF	OFFICE	5	0.06	5	297	1.5	7.4	17.8	1.0	1.0	25.2	30
236 - PUBLIC COMPUTERS	OFFICE	5	0.06	5	174	0.9	4.4	10.4	1.0	1.0	14.8	25
238 - CONFERENCE	CONFERENCE	5	0.06	50	147	7.4	36.8	8.8	1.0	1.0	45.6	50
239 - CONFERENCE	CONFERENCE	5	0.06	50	182	9.1	45.5	10.9	1.0	1.0	56.4	60
245 - CONF	CONFERENCE	5	0.06	50	95	4.8	23.8	5.7	1.0	1.0	29.5	30
246 - CONF	CONFERENCE	5	0.06	50	72	3.6	18.0	4.3	1.0	1.0	22.3	25
247 - CORRIDOR	CORRIDOR	--	0.06	--	167	--	--	10.0	1.0	1.0	10.0	25
THIRD FLOOR LEVEL												
300 - LOBBY	CORRIDOR	7.5	0.06	30	415	12.5	93.5	24.9	1.0	1.0	118.4	120
301 - CORRIDOR	CORRIDOR	--	0.06	--	454	--	--	27.2	1.0	1.0	27.2	30
304 - OFFICE	OFFICE	5	0.06	5	66	0.3	1.7	4.0	1.0	1.0	5.7	25
305 - CONFERENCE	CONFERENCE	5	0.06	50	211	10.6	52.8	12.7	1.0	1.0	65.5	70
306 - JURY POOL	CONFERENCE	5	0.06	50	347	17.4	86.8	20.8	1.0	1.0	107.6	110
309 - CONFERENCE	CONFERENCE	5	0.06	50	356	17.8	89.0	21.4	1.0	1.0	110.4	120
311 - COURT ROOM	COURTROOMS	5	0.06	70	3050	213.5	1068	183	1.0	1.0	1251	1280
313 - JURY ROOM	CONFERENCE	5	0.06	50	275	13.8	68.8	16.5	1.0	1.0	85.3	90
317 - OFFICE	OFFICE	5	0.06	5	109	0.5	2.7	6.5	1.0	1.0	9.2	25
318 - CORRIDOR	CORRIDOR	--	0.06	--	474	--	--	28.4	1.0	1.0	28.4	30
321 - COURT REPORTER	OFFICE	5	0.06	5	88	0.4	2.2	5.3	1.0	1.0	7.5	25
322 - OFFICE	OFFICE	5	0.06	5	228	1.1	5.7	13.7	1.0	1.0	19.4	25
323 - LAW CLERK	OFFICE	5	0.06	5	231	1.2	5.8	13.9	1.0</			

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS, ESPECIALLY THE BIDDING CONTRACTS, REQUIRE EACH CONTRACTOR TO BE REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO TURNING IN SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Action Mechanical

Project: York County Courthouse

Date: 2/8/16

Ref. Spec. Section/Page: 23 00 00

Cost Impact: No

Schedule Impact: No

Problem/Conflict:

Are the fire/smoke dampers required for floor penetrations? Are the dampers required in the following non rated rooms: 115, 229, 332, 316, 339, 400, 401 and existing chases?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 2/8/16

Response:

There is a mix of fire dampers and combination fire/smoke dampers on this project. Fire/smoke dampers are needed in duct systems communicating three floors or more, but are not need where communicating two floors. The plans should be correct, unless V.E. or field conditions have uncovered conditions different than what is indicated:

115 - No, duct system only communicates two floors. Fire damper only is sufficient.
229/316 - not needed at floors because it's routed in shaft. These are needed where it exits the shaft horizontally.
332 - This duct is routed down in a rated shaft, so it's not needed at floor. FSD's are needed at horizontal penetrations.
339 - This duct does not penetrate the third floor here - only the 4th floor. See Rm# 401 explanation.
401 - Fire/smoke damper needed at horizontal penetration, and at floor penetration (note fire/smoke damper at floor penetration is shown floor below (Rm# 339).
400 - FSD is needed where entering shaft (at horizontal penetration).

Recommended By (Name) Clint Dover, PE Company: Optima Engineering, PA Date: Feb 08, 2016

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 5/12/16

Ref. Spec. Section/Page:

Cost Impact: Unknown

Schedule Impact: NA

Problem/Conflict:

Can the T-Stats in room 134 be relocated out of the solid column currently shown and into the furred wall noted on the attached?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 5/12/16

Response:

No exception taken.

Recommended By (Name) Clint Dover, PE Company: Optima Engineering, PA Date: 05/24/2016

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 07/12/16

Ref. Spec. Section/Page: Mechanical

Cost Impact:

Schedule Impact: NA

Problem/Conflict:

1. The IDU 1.18 for Electrical Room 130 will not work for this space. If the unit is mounted a few inches from the existing ceiling, the condensate drain will be lower than the 8' ceiling for corridor 129. The County plans to use this room to store janitorial supplies. So a unit may not be needed for this room.

There is not unit shown in Mechanical room 132, only an electric wall heater. Since this is the main mechanical room does it make sense to install the IDU 1.18 in the main mechanical room 132 and then put the Electric Wall heater in the Electrical room 130?

2. Data Room 127 shows a mini split A/C - 1 on the exterior wall either above or below the window. There is not enough space above the window so we contacted the County IT Director to review the room with us to determine another location in the room. He does not think the room will need both units. This room will only house the Telephone Company DeMark board. The 2nd floor data room will house the main data racks for the building which would require both units. He suggested not installing the A/C 1 unit for this room.

Would it make sense to install this A/C- 1 in the 2nd floor mechanical room 226? Or is there a better location for the unit?

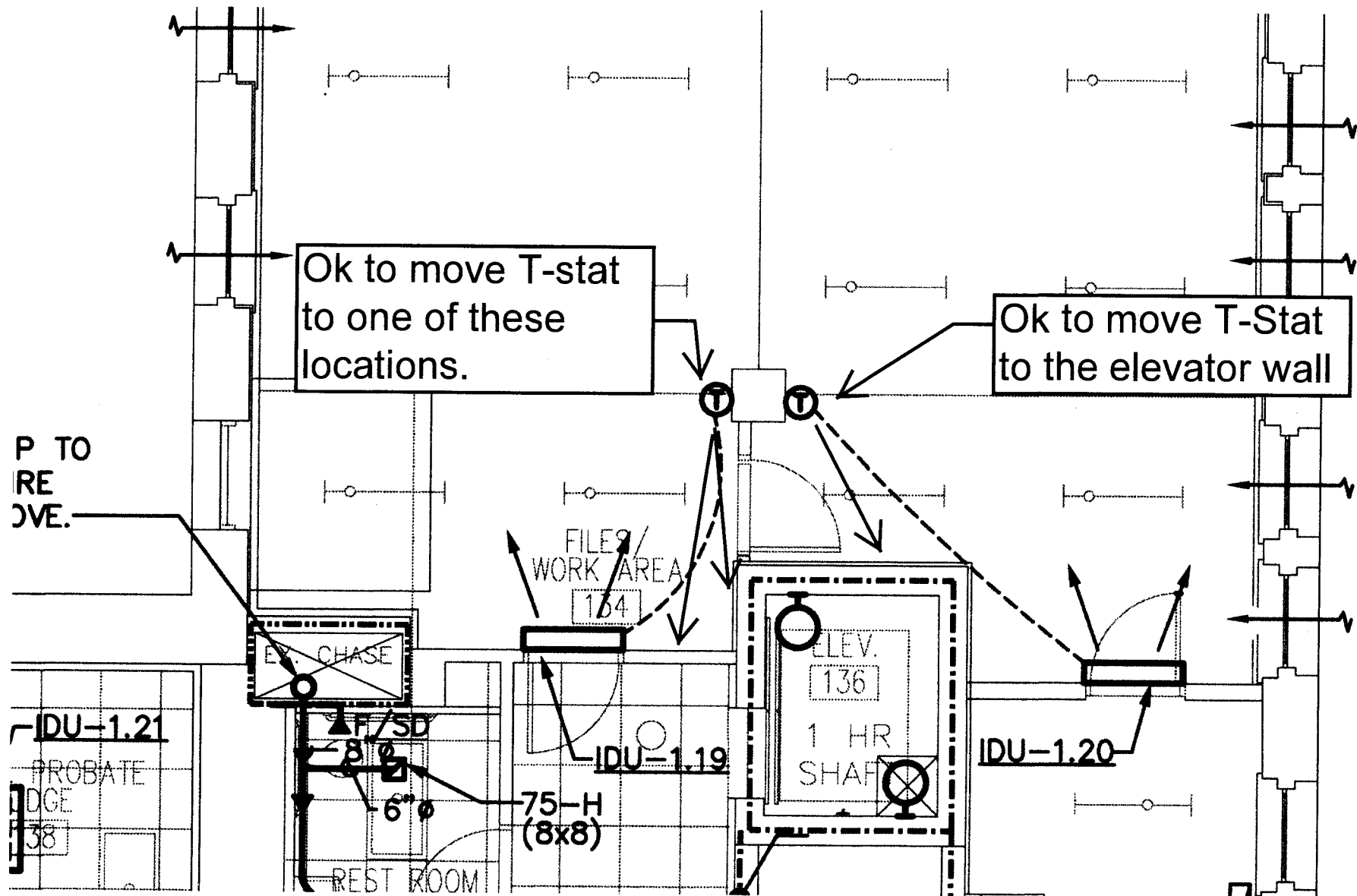
Issued By (Name) Kirk Broom Company: Cumming Corporation Date: 07/12/16

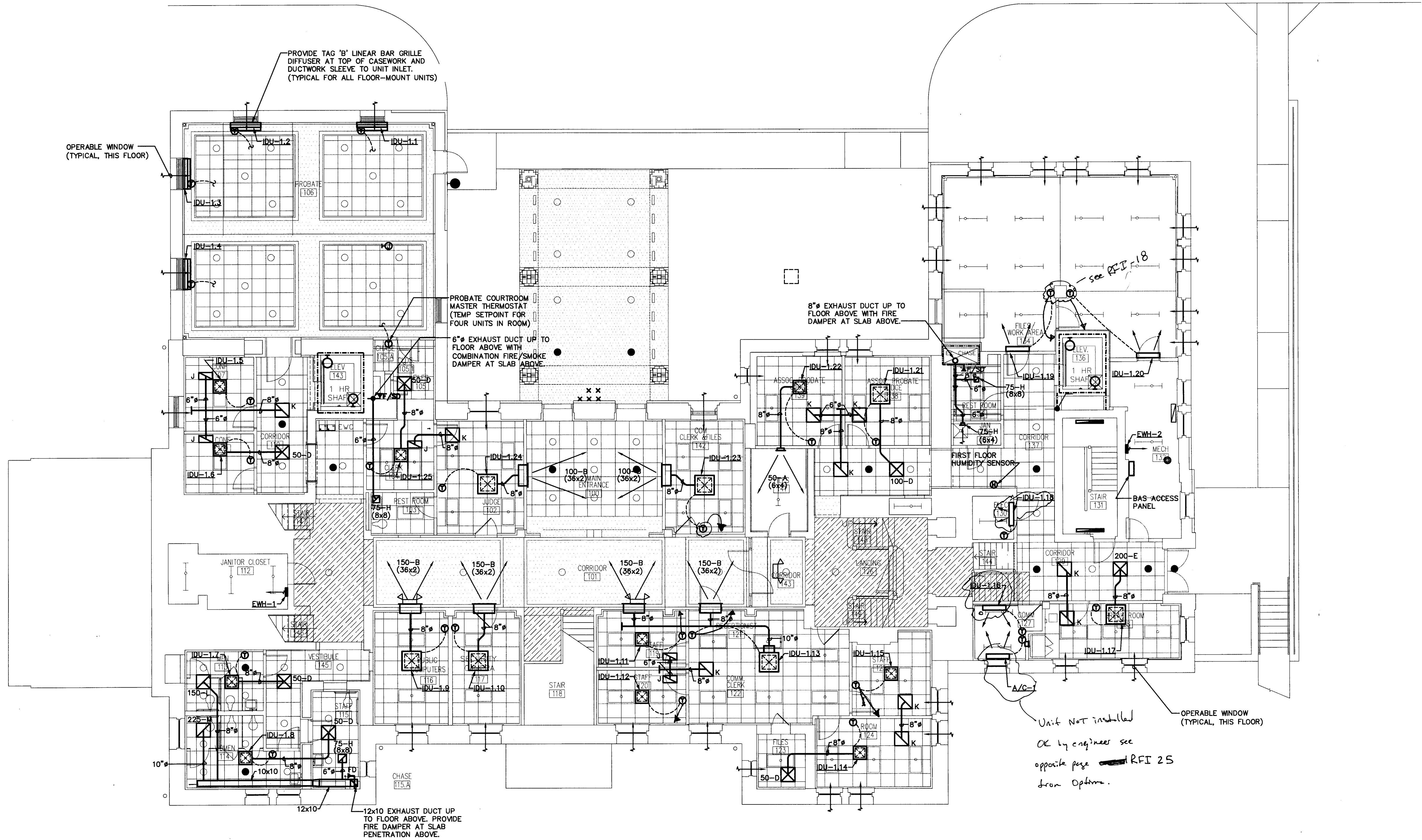
Response:

Yes, proposal for (#1) sounds like a good plan if the room 130 is used as janitorial storage. Relocate IDU-1.18; no need to relocate the heater to rm 130 – leave it unconditioned.

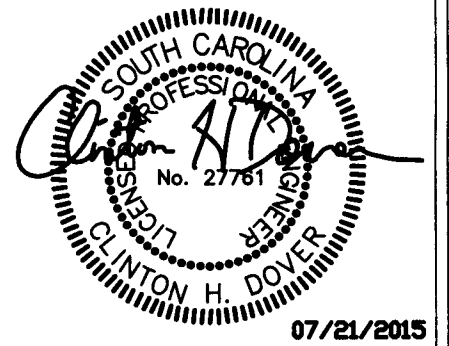
Mini-pumps – those wall-mounted VRF fan coils rarely come with any kind of pump, so they have to be accessories (or large condensate pumps outside the unit). These pumps are often included with the VRF or ductless split equipment submittals, but nothing was shown in this case. I normally add that comment, but I failed to on this submittal review.

Issued By (Name) Clint Dover Company: Optima Engineering Date: 07/12/16





1 FIRST FLOOR PLAN - MECHANICAL DUCTWORK
1/8" = 1'-0"



NOTE

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WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Hinson Electric

Project: York County Courthouse

Date: 2/1/16

Ref. Spec. Section/Page: 23 00 00

Cost Impact: No

Schedule Impact: No

Problem/Conflict:

The outside air duct is lined with 1" flexible elastomeric liner. The supply duct is to be wrapped with 2" of duct wrap. Do the grill boxes need to be insulated? If so what type of material or method is to be used?

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 2/1/16

Response:

Insulate backs of supply diffusers with 2" insulation w/ vapor barrier. Plenums for linear bar grilles may be lined with 1" of flexible elastomeric, or wrapped with 2" of duct wrap. Diffusers and grilles associated with the outside air system do not require insulation.

Recommended By (Name) Clint Dover, PE Company: Optima Engineering, PA Date: 02/01/2016

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Hinson Electric

Project: York County Courthouse

Date: 10/10/16

Ref. Spec. Section/Page:

Cost Impact: Unknown

Schedule Impact: NA

Problem/Conflict:

1. Electrical drawings call for duct detectors in areas mechanical drawings are showing fire dampers (installed per RFI #6). Please clarify the areas duct detectors are required.

Does the Fire Damper power need to be connected to an emergency circuit or can they be ran to any other dedicated circuit available?

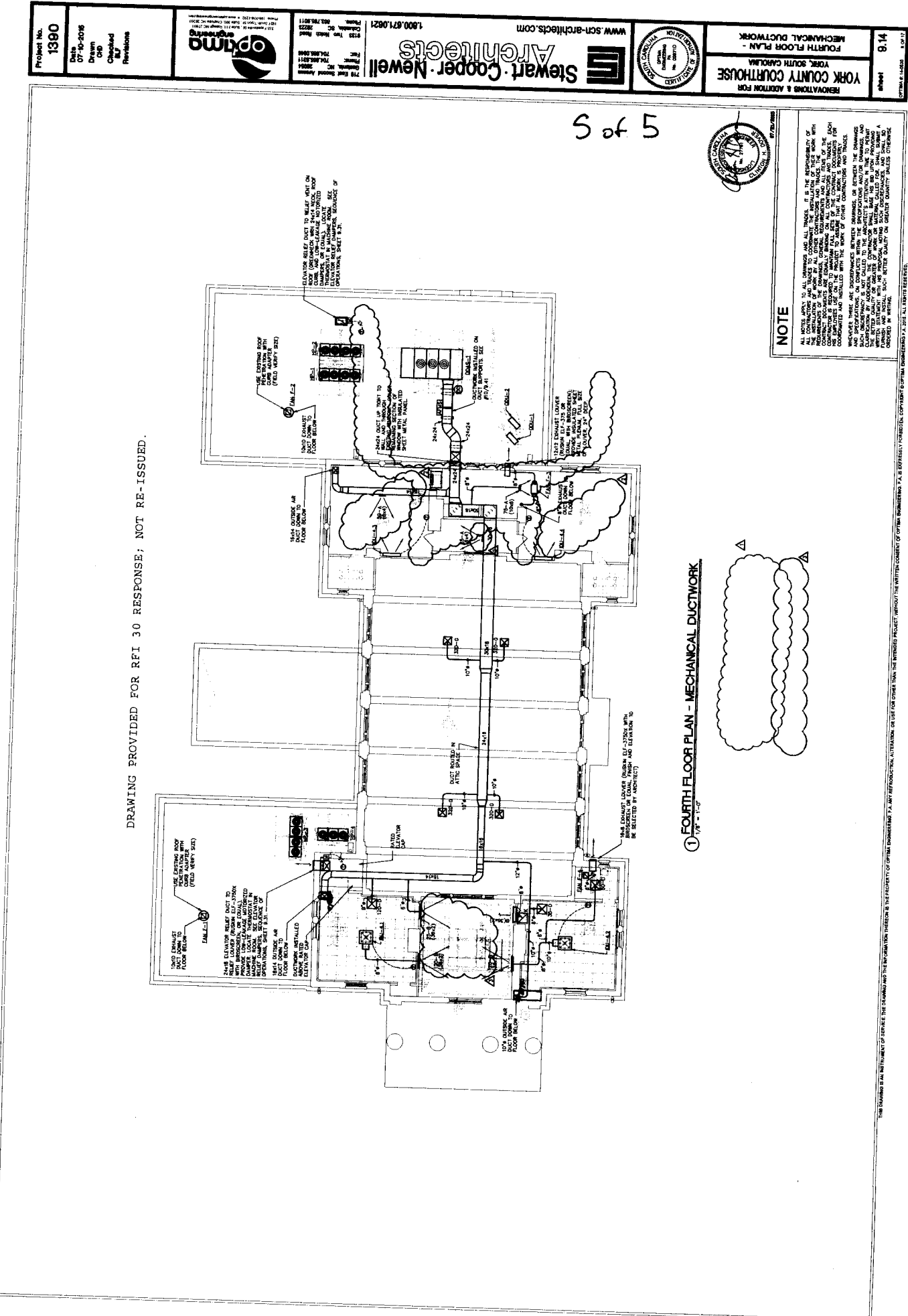
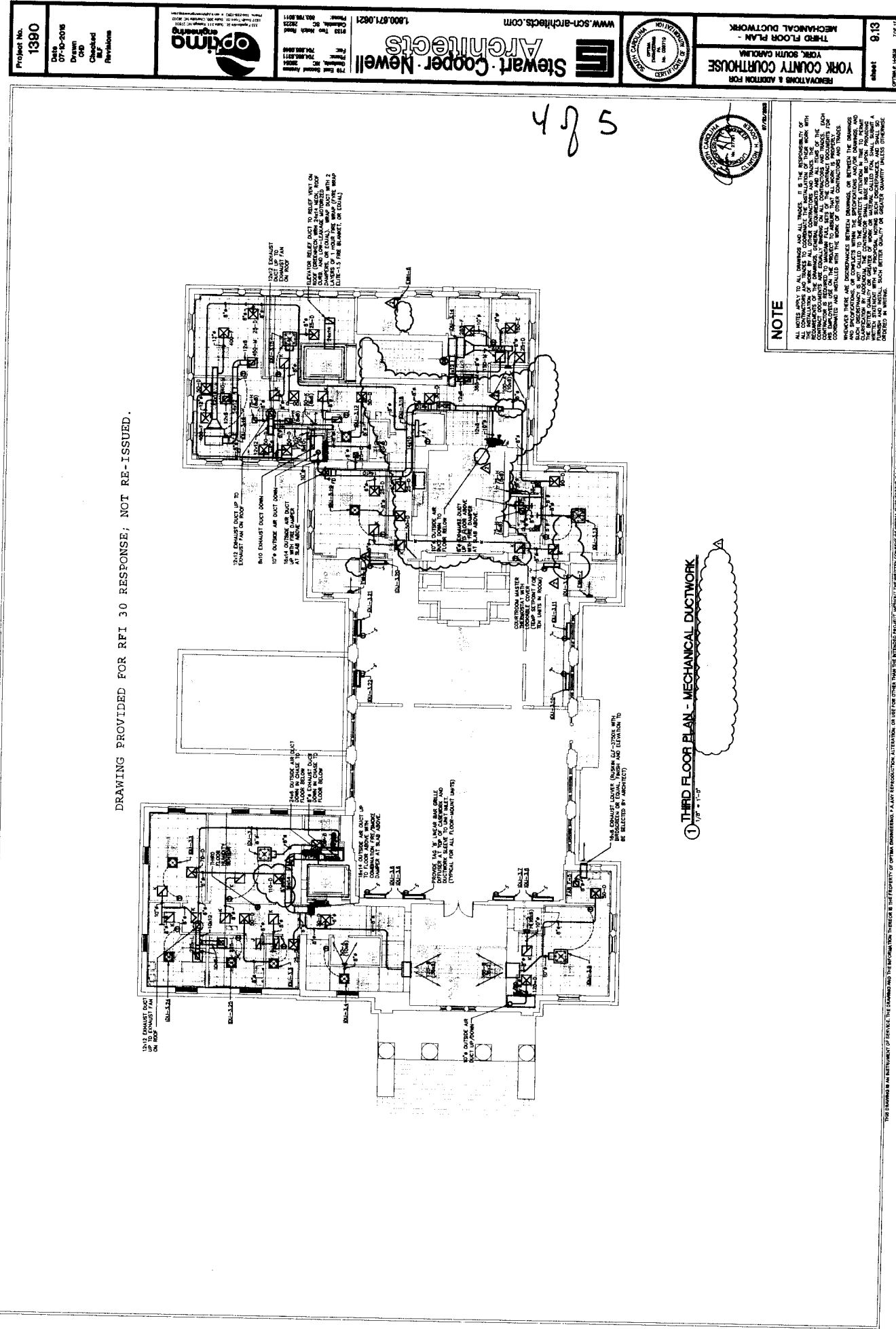
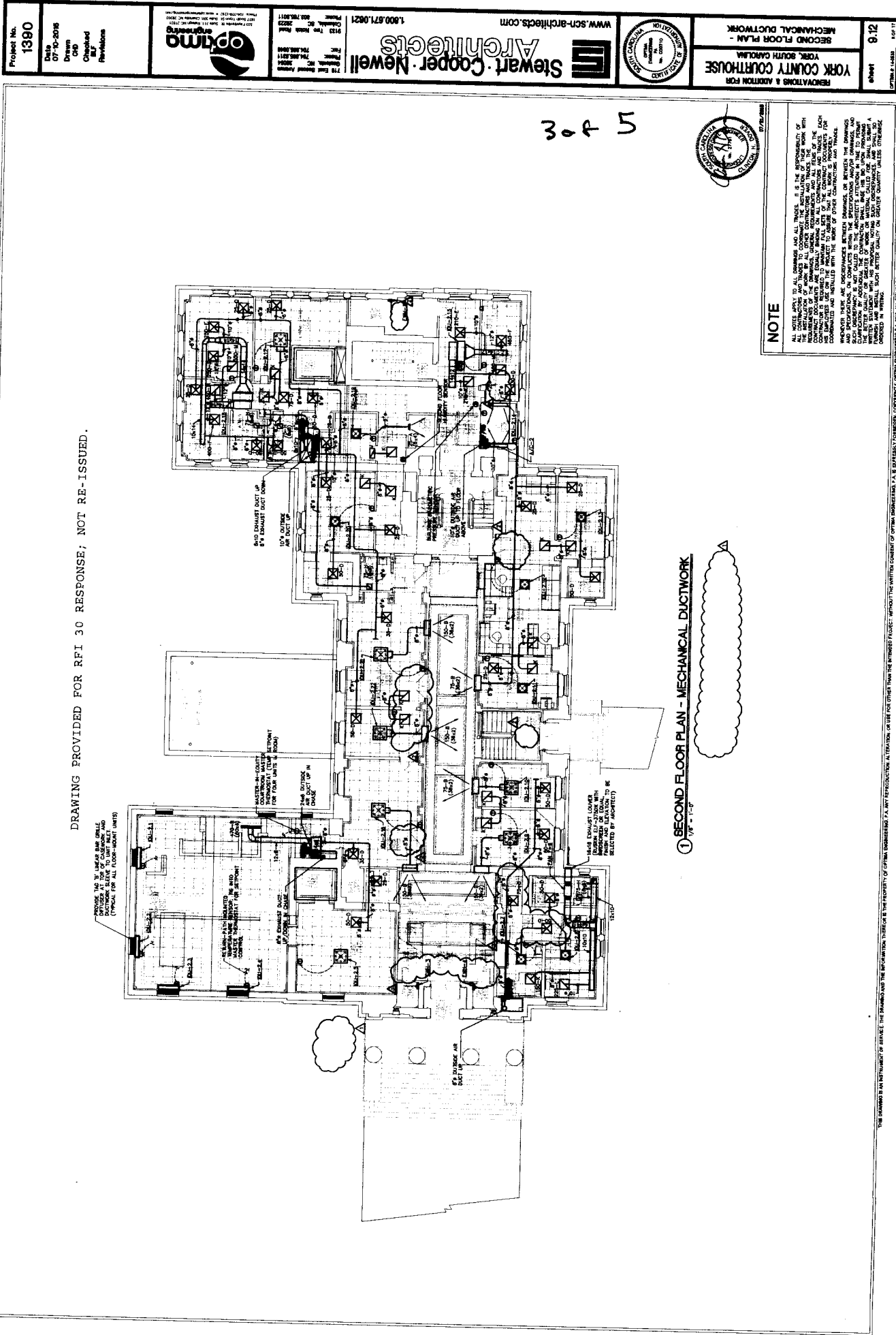
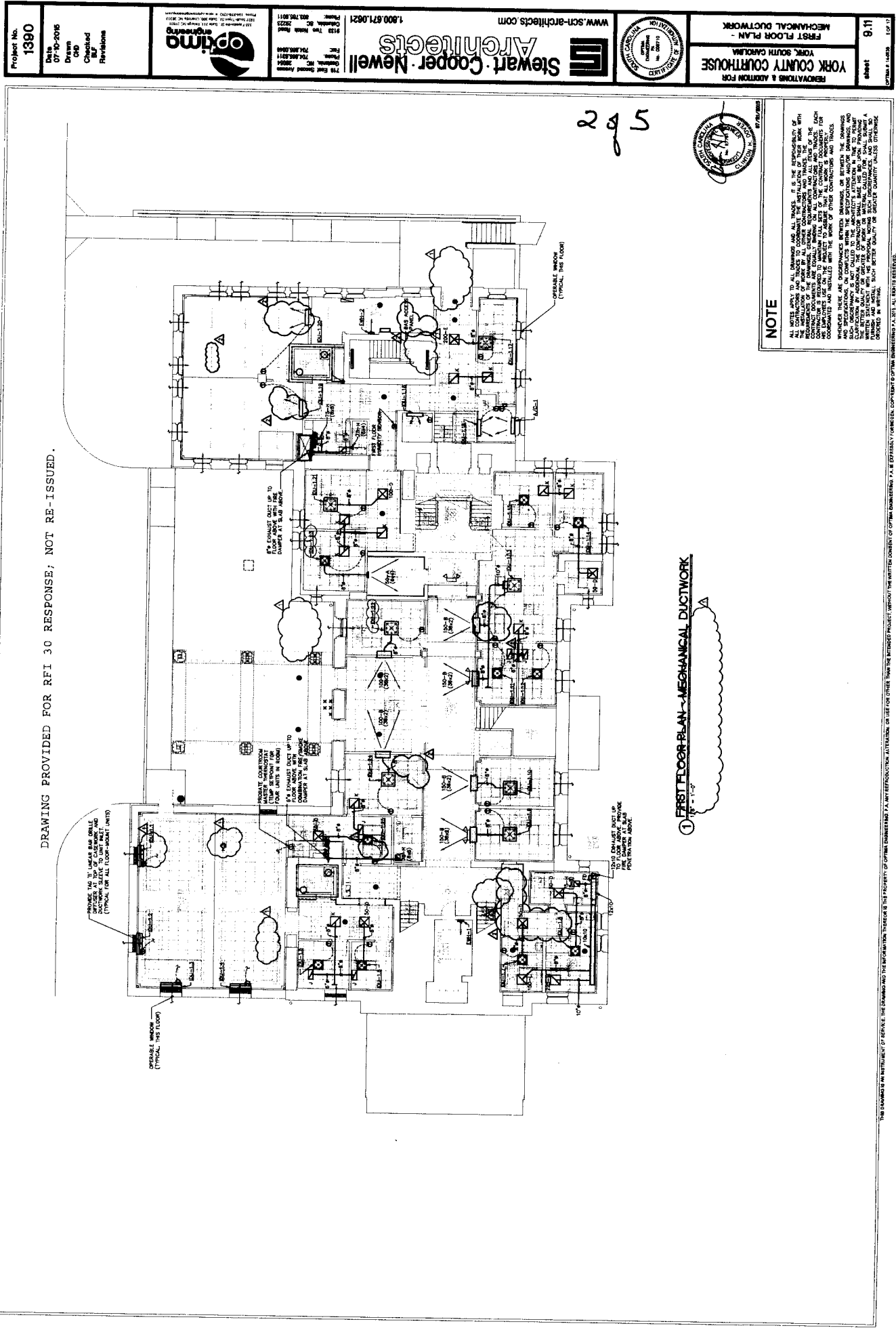
Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 10/10/16

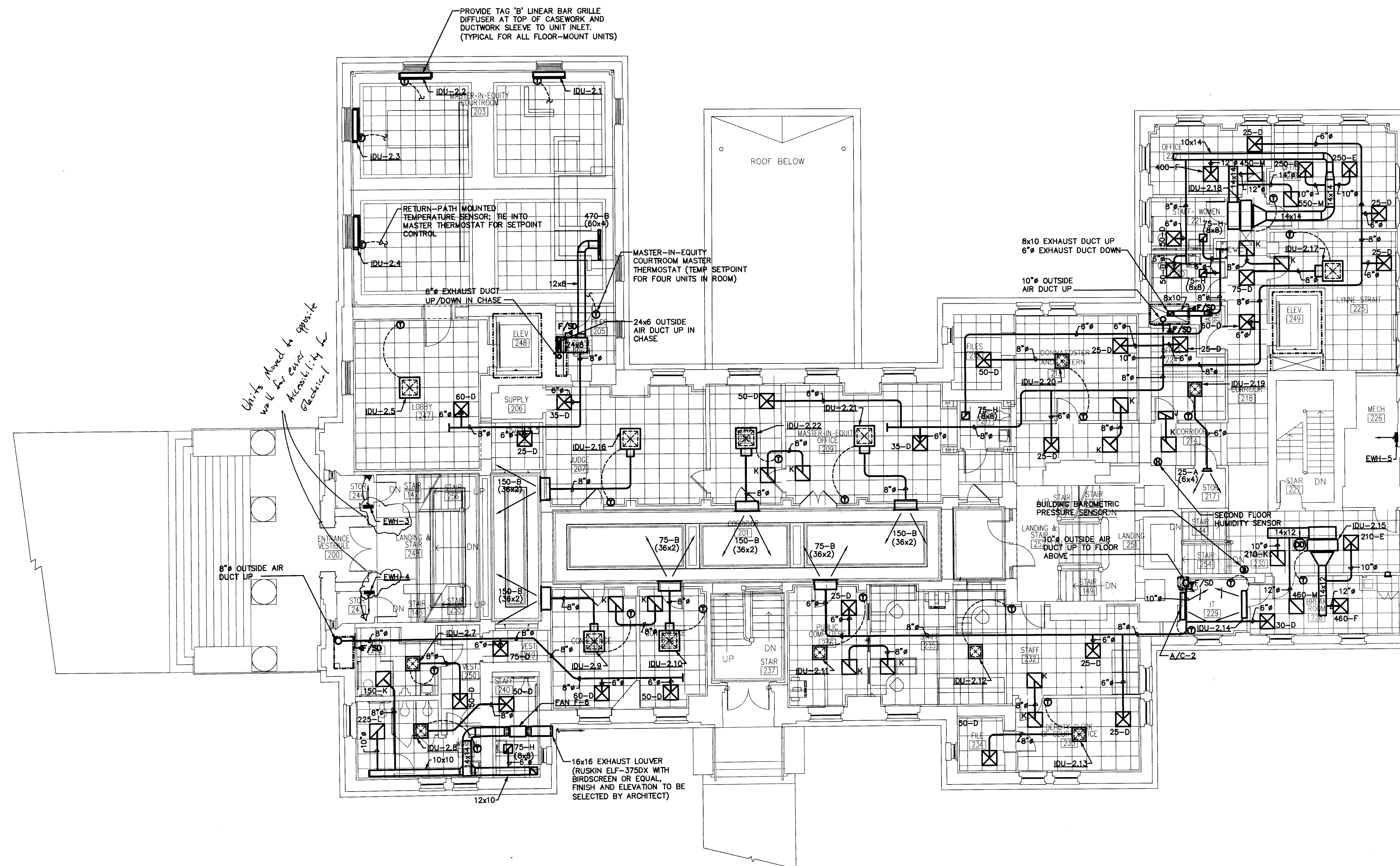
Response:

Duct detectors are required for combination fire & smoke dampers only, not fire dampers. Fire & smoke damper locations are indicated on mechanical sheets (labeled "F/SD"). These locations are also indicated on electrical power plans (with "DD" symbol). Note: an extra duct detector is indicated on sheet 1022 at Chase 205.A (two indicated in this area on sheet 1022, but there is not fire/smoke damper installed in the exhaust duct). This duct detector should be used at ceiling penetration left of Elec 307, where the 16x14 outside air duct penetrates the floor above. The duct detector was not shown here, but will be required to operate the fire/smoke damper shown on sheet 913. See attached for location of fire/smoke dampers.

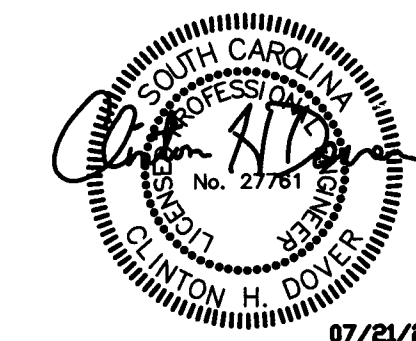
Fire dampers do not require power. The fire/smoke damper actuator does not require an emergency circuit, and may be ran to available circuit. There are several dedicated j-boxes for HVAC controls power, that may be utilized to power dampers.

Recommended By (Name) Clint Dover, PE Company: Optima Engineering Date: 10/11/2016





① SECOND FLOOR PLAN - MECHANICAL DUCTWORK
1/8" = 1'-0"



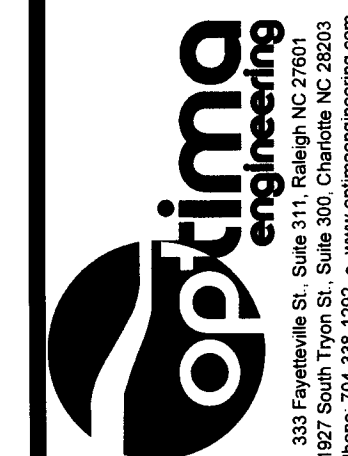
NOTE

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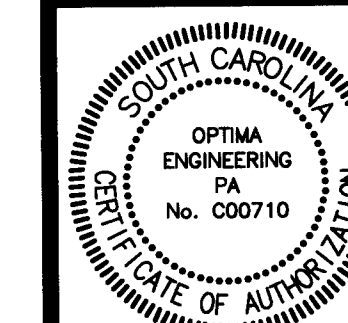
Project No.
1390

Date
07-10-2015
Drawn
CHD
Checked
BLF
Revisions



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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
SECOND FLOOR PLAN -
MECHANICAL DUCTWORK

sheet 9.12

Kirk Broom

From: Clint Dover <cdover@optimapa.com>
Sent: Tuesday, October 11, 2016 9:02 AM
To: Kirk Broom
Cc: 'Melton, Gloria'
Subject: RE: York County Courthouse - Electric Wall Heaters

Follow Up Flag: Follow up
Flag Status: Flagged

The wall heaters don't have to be controlled. The sequence reads that the thermostat is to alarm the BAS if this area gets below 45 degrees, so it doesn't need to tie into the wall heater. These aren't necessarily aesthetically sensitive spaces, so I'd be ok with routing the control wiring in wire-mold down to the thermostat if SCNA is.

Clint Dover, P.E., LEED® AP
Optima Engineering

From: Kirk Broom [mailto:kbroom@ccorpusa.com]
Sent: Monday, October 10, 2016 2:52 PM
To: Clint Dover <cdover@optimapa.com>
Cc: 'Melton, Gloria' <gmelton@scn-architects.com>
Subject: York County Courthouse - Electric Wall Heaters

Hey Clint –

Question for you about a couple electrical wall heaters in the stairs going from the main courtroom on 3rd floor to the 4th floor file and mechanical rooms. The contractor is having a difficult time getting the wall thermostat for this unit on the wall in these stairs. This is an exposed stairwell. The exterior wall is on one side and there is a fire place behind the wall on the opposite side of the wall. Their control drawings show controlling all the electric wall heaters in the building. Do you have a problem if these two EWH are not controlled? There is an internal thermostat with the unit and per the schedule on 9.02 it reads to set thermostat to maintain 50 degrees freeze protection. So I think we would be ok not controlling these two wall heaters. But I wanted to double check with you.

Thanks for your help with this.

You welcome to come review the building. Ceiling grid is up everywhere and they have been working on starting up the LG system.

Kirk Broom
Site Manager



Cell: (803) 984-3877
kbroom@ccorpusa.com

213 B Main St

AMCI

ACTION MECHANICAL CONTRACTORS, INC.
P.O. BOX 7335, CHARLOTTE, NC 28241
3228 NEVADA BLVD., CHARLOTTE, NC 28273
OFFICE (704) 587-4450 FAX (704) 587-4451

Request for Information Form

Project No.	Requester's Name	Requester's Title	Copies To
M-04	Leitner Construction Co Inc.	Commie Pendergrass	
Date			
05/25/2016			

Project Name	Project Number	Reference Drawing
York County Courthouse	16-367	9.14 and 9.42

Subject	Date Required
MOD for Elevator Relief Duct	5/31/2016

Information Requested

Page 9.14 shows the MOD in the duct work (24x16). Page 9.42 shows the MOD behind the louver (24x24). Is the 24x16 MOD sufficient for the system?

Response

Damper was intended to be against louver, but shown on floor plan for coordination reasons. Recommended installation is behind louver. However, The damper will perform adequately in either location, but what is the means and method of installing under fire wrap? This duct must be completely protected from top of elevator to exterior wall.

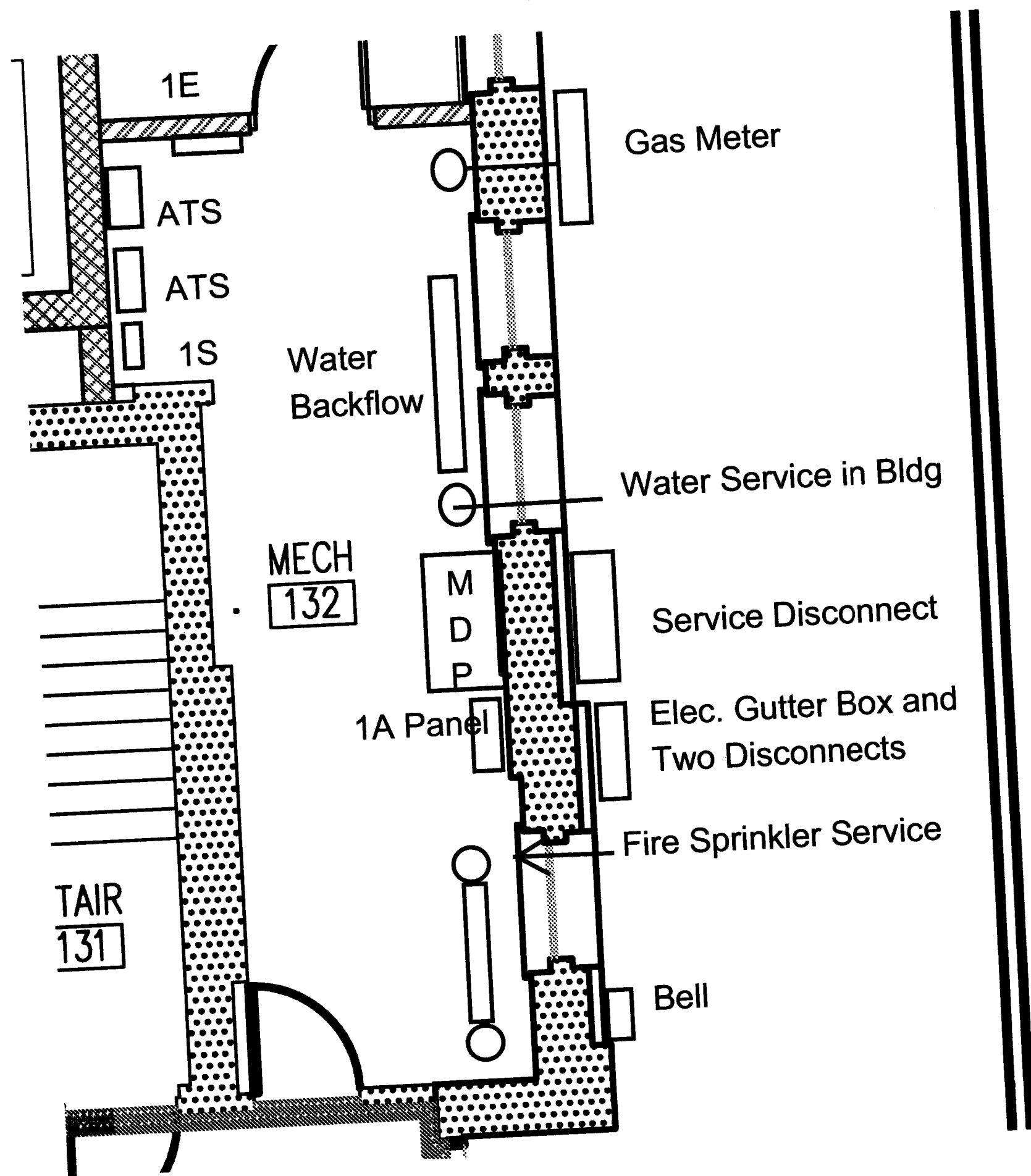
If required (or more cost effective) to be in 24x16 duct, it's recommended to create a two-hour rated 30" tall x 36" wide x 24" long drywall enclosure which can house the actuator (on the side). Enclosure should be installed tight against the wall. Portions of duct inside the drywall enclosure would not require fire-wrap. Extend fire wrap from top of elevator shaft to drywall enclosure. Seal drywall against exterior wall as required to maintain rating. Provide rated access door for access to motorized damper.

Date Answered:

05/27/2016

Answered By:

Clint Dover, PE



REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 07/12/16

Ref. Spec. Section/Page: Mechanical

Cost Impact:

Schedule Impact: NA

RFI # 25
Sent To: Jim Stewart/G. Melton
Company: Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No: 9.11 & 9.21

Problem/Conflict:

1. The IDU 1.18 for Electrical Room 130 will not work for this space. If the unit is mounted a few inches from the existing ceiling, the condensate drain will be lower than the 8" ceiling for corridor 129. The County plans to use this room to store janitorial supplies. So a unit may not be needed for this room.

There is not unit shown in Mechanical room 132, only an electric wall heater. Since this is the main mechanical room does it make sense to install the IDU 1.18 in the main mechanical room 132 and then put the Electric Wall heater in the Electrical room 130?

2. Data Room 127 shows a mini split A/C - 1 on the exterior wall either above or below the window. There is not enough space above the window so we contacted the County IT Director to review the room with us to determine another location in the room. He does not think the room will need both units. This room will only house the Telephone Company DeMark board. The 2nd floor data room will house the main data racks for the building which would require both units. He suggested not installing the A/C 1 unit for this room.

Would it make sense to install this A/C. 1 in the 2nd floor mechanical room 226? Or is there a better location for the unit?

Issued By (Name) Kirk Broom Company: Cumming Corporation Date: 07/12/16

Response:

Yes, proposal for (#1) sounds like a good plan if the room 130 is used as janitorial storage. Relocate IDU-1.18; no need to relocate the heater to rm 130 - leave it unconditioned.

Mini-pumps - those wall-mounted VRF fan coils rarely come with any kind of pump, so they have to be accessories (or large condensate pumps outside the unit). These pumps are often included with the VRF or ductless split equipment submittals, but nothing was shown in this case. I normally add that comment, but I failed to on this submittal review.

Issued By (Name) Clint Dover Company: Optima Engineering Date: 07/12/16



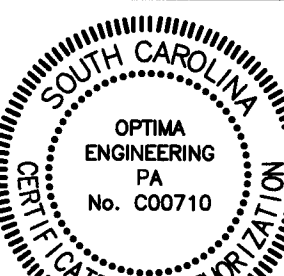
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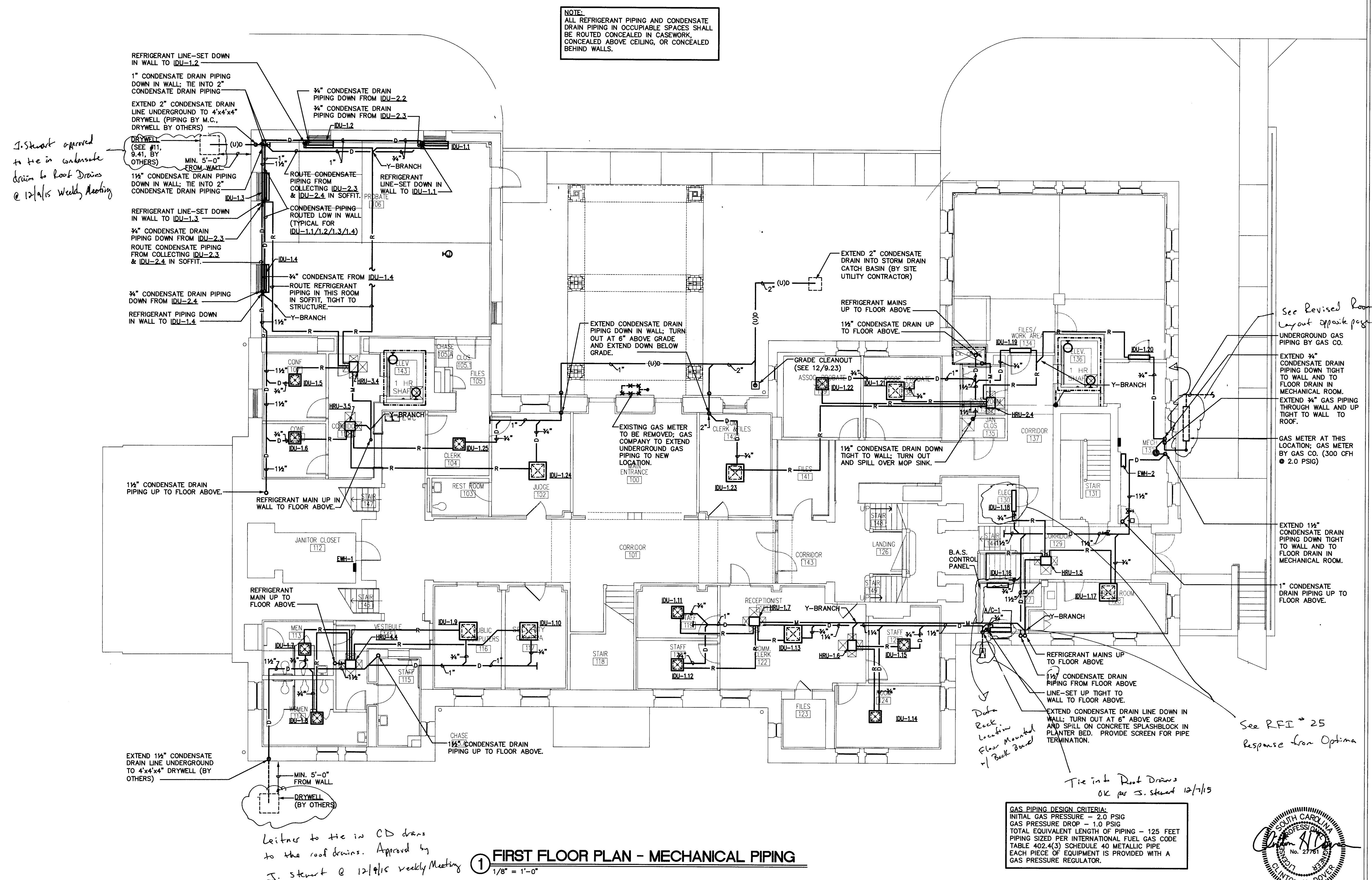


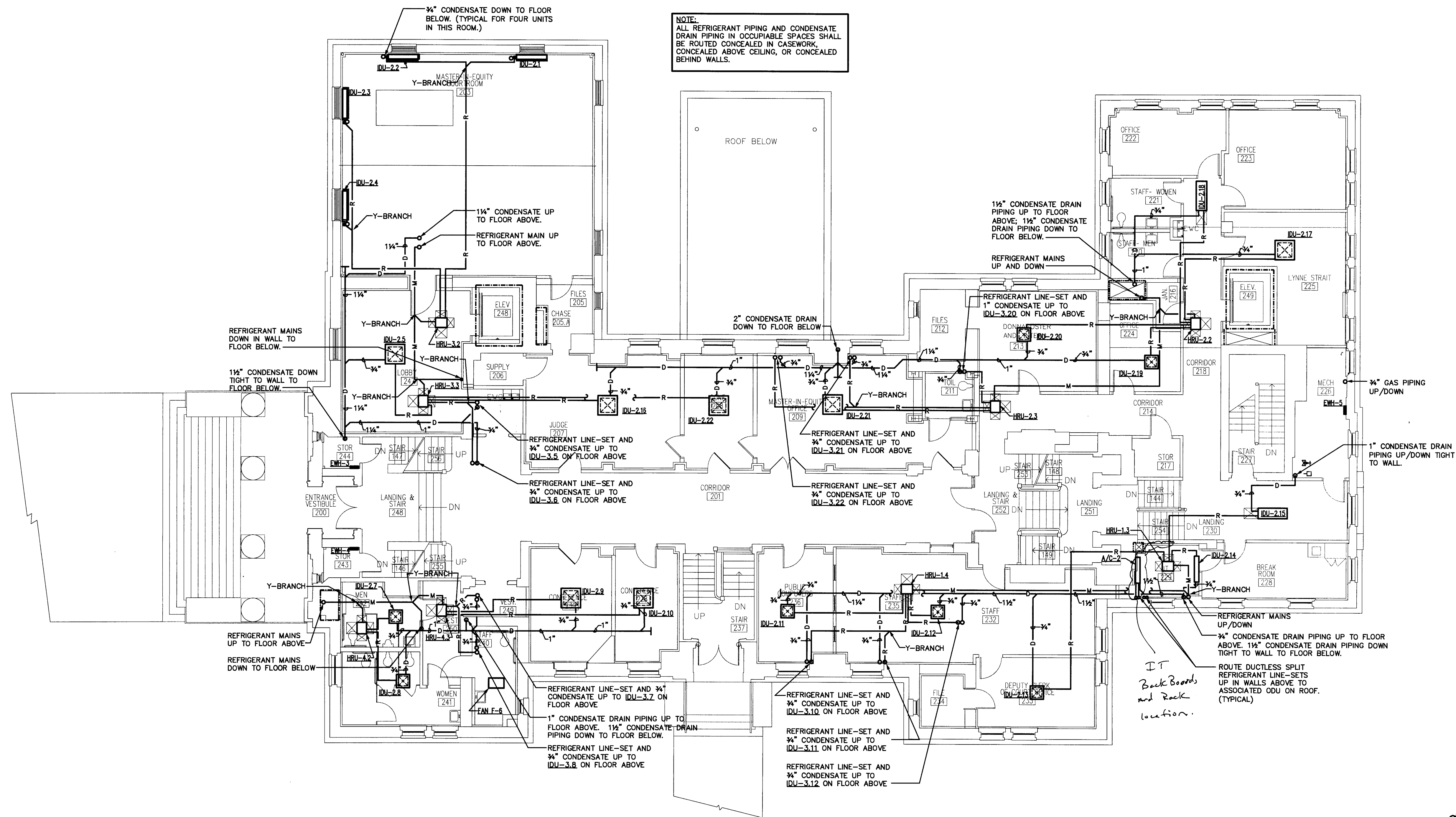
**RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA**

**FIRST FLOOR PLAN -
MECHANICAL PIPING**

sheet 9.2

PTIMA #: 14-0530 9 OF 1





① SECOND FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"

NOTE

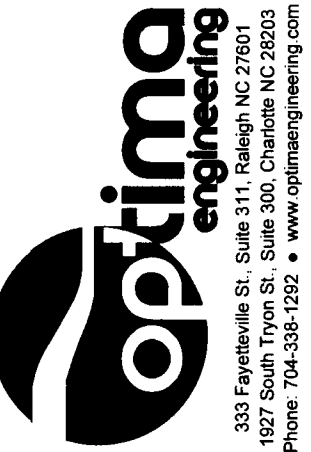
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Project No.
1390

Date
07-10-2015
Drawn

Checked
Revisions

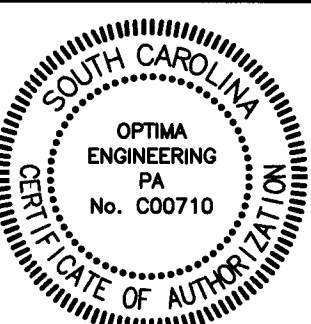


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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

SECOND FLOOR PLAN -
MECHANICAL PIPING

sheet 9.22

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Action Mechanical

Project: York County Courthouse

Date: 6/28/16

Response Required By: SCN Architects

Ref. Spec. Section/Page:

Drawing/Detail No: 9.23/9.24

Cost Impact: Unknown

Schedule Impact: NA

Problem/Conflict:

The routing of the refrigerant piping cannot run as shown on the construction documents. An alternate route would have the refrigerant piping running above the level of the condensing units on the third floor roof. This would create a trap in the piping. The supplier stated that traps should be avoided but if it cannot be avoided extend the horizontal length of the piping by three times the length of the vertical run. The vertical run above the unit will be at least 15'. We do not have 45' of vertical space, please advise.

Issued By (Name) Jamie McDermott

Company: Leitner Construction

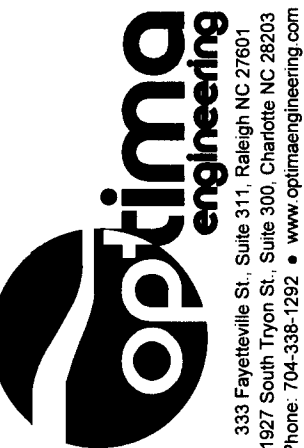
Date: 6/28/16

Response:

Sorry for the delay. If there is sufficient room to maneuver this piping around the third floor ceiling, we can locate it down there. It should actually save a good bit of copper, insulation, and jacketing but will require an additional pipe portal on the roof.

Clint Dover, P.E., LEED® AP
Optima Engineering

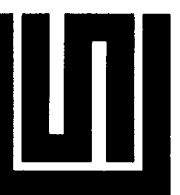
Recommended By (Name) _____ Company: _____ Date: _____



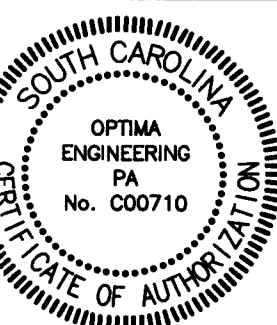
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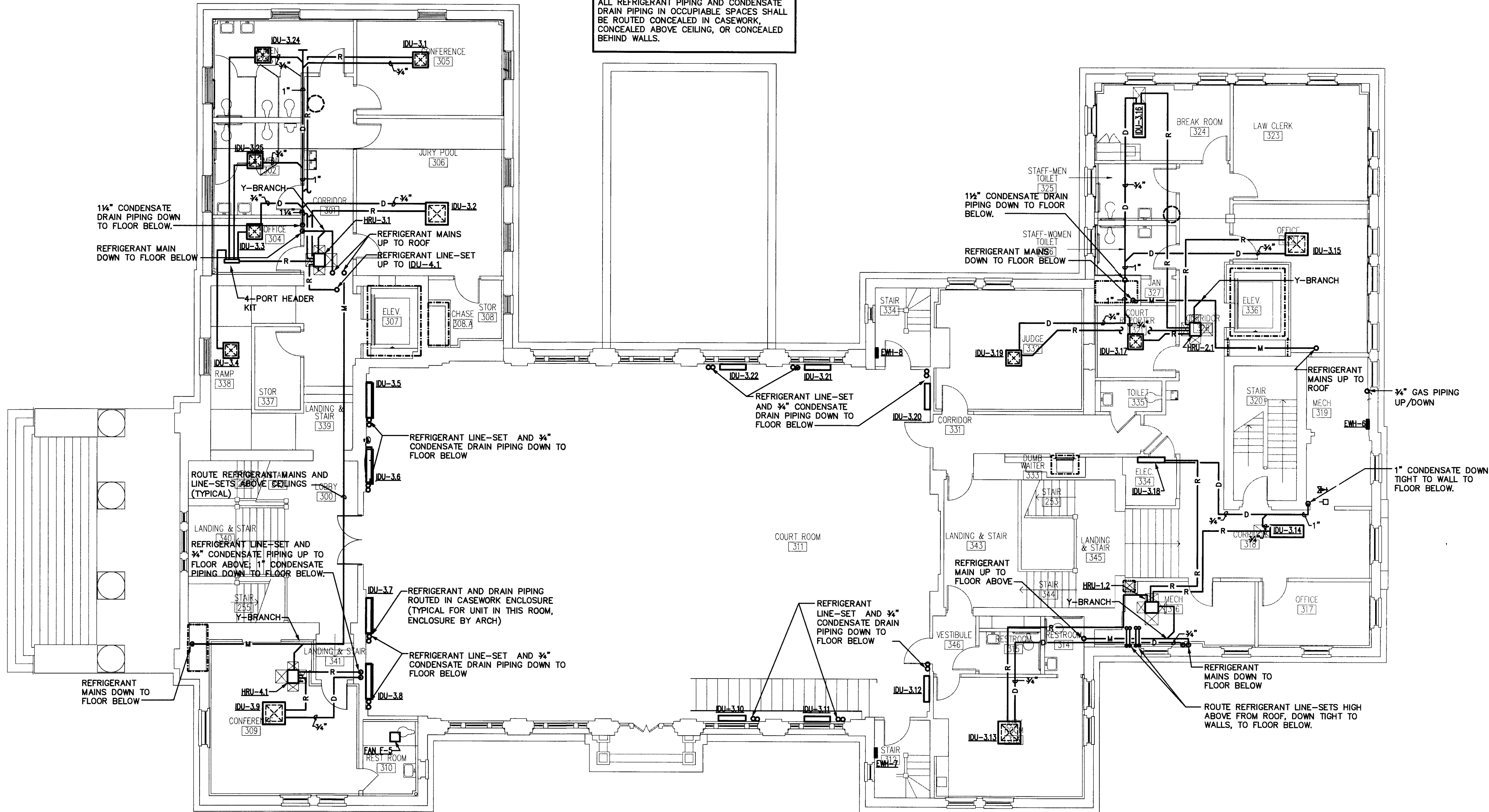
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

THIRD FLOOR PLAN -
MECHANICAL PIPING

NOTE:
ALL REFRIGERANT PIPING AND CONDENSATE
DRAIN PIPING IN OCCUPIABLE SPACES SHALL
BE ROUTED CONCEALED IN CASEWORK,
CONCEALED ABOVE CEILING, OR CONCEALED
BEHIND WALLS.



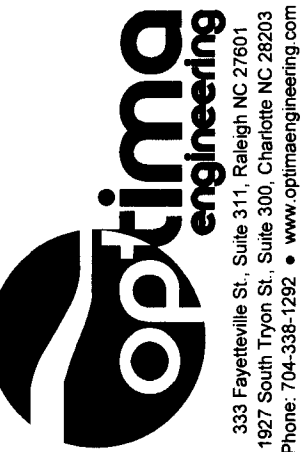
1 THIRD FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"



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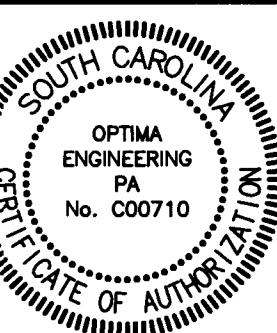
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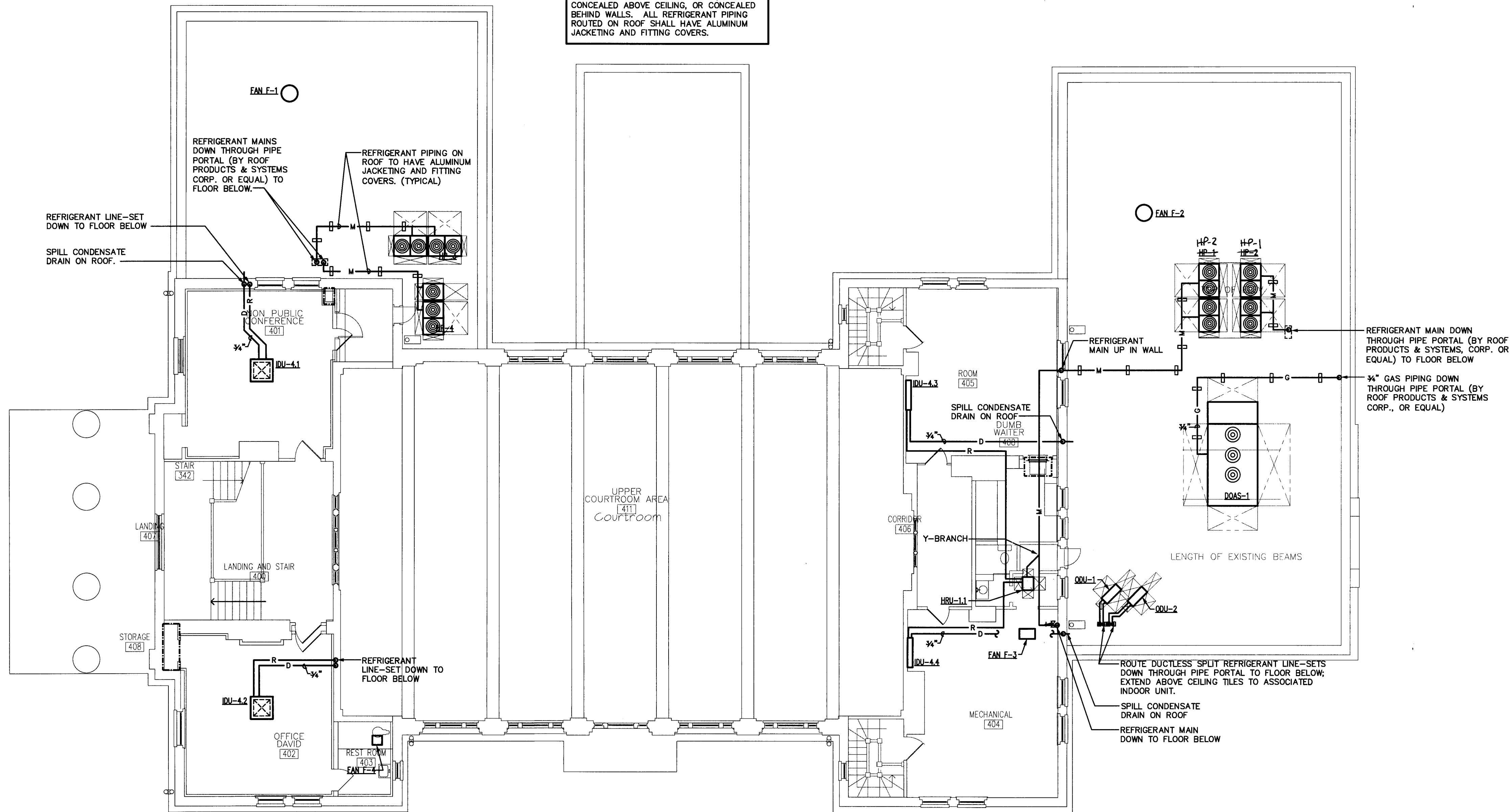
RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
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FOURTH FLOOR PLAN -
MECHANICAL PIPING

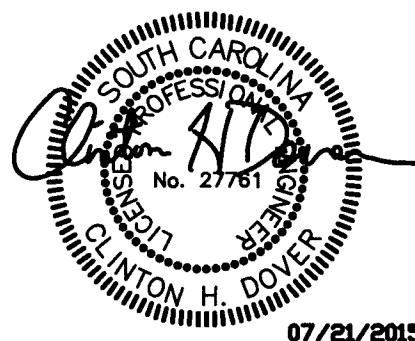
sheet 9.24

OPTIMA # 14-0530 12 OF 17

NOTE:
ALL REFRIGERANT PIPING AND CONDENSATE
DRAIN PIPING IN OCCUPIED SPACES SHALL BE
ROUTED CONCEALED IN CASEWORK,
CONCEALED ABOVE CEILING, OR CONCEALED
BEHIND WALLS. ALL REFRIGERANT PIPING
ROUTED ON ROOF SHALL HAVE ALUMINUM
JACKETING AND FITTING COVERS.



1 FOURTH FLOOR PLAN - MECHANICAL PIPING
1/8" = 1'-0"



NOTE

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SEQUENCE OF OPERATION

SEE SPECIFICATION SECTION 230900 AND POINTS LIST DRAWING (9.32) FOR ADDITIONAL REQUIREMENTS OF BUILDING AUTOMATION SYSTEM. SEQUENCE OF OPERATION IS NOTED BELOW.

CONTROLS SHALL BE PROVIDED BY TRANE, ALERTON, JOHNSON, OR SIEMENS

MECHANICAL CONTRACTOR SHALL PROVIDE A DDC CENTRAL BUILDING AUTOMATION SYSTEM (BAS) FOR THIS BUILDING OPERATING AS HEREIN AND AS WELL AS BOUND SPECIFICATION SECTION 230900. (REFER TO DRAWING 9.02 FOR APPROVED EQUAL MANUFACTURERS).

VRF SPLIT SYSTEM UNITS

VRF control note: The VRF system shall be provided with space temperature sensors, controls and controllers as manufactured by the VRF equipment manufacturer. All VRF control wiring shall be installed per the VRF equipment manufacturer's installation guidelines as well as specification section 230900. VRF central controller shall tie into BAS front-end. BAS front-end shall provide monitoring, adjustment, alarm, etc via communication from VRF central controller. All VRF control logic shall be directed by VRF central controller with graphic interface as well as monitoring, adjustment, alarm, etc via the BAS front-end.

The Building Automation System (BAS) shall use an outside air sensor to command the variable refrigerant flow zoning system to global heat or cool mode. The BAS shall communicate through the VRF system manufacturer's BACNET or LONWORKS gateway to interface and shall be able to provide occupancy schedule, setpoint adjustment, prohibit local operation of the space sensor controller to the variable refrigerant flow system. When the outdoor air temperature is above 55 degrees, the system shall be in cool mode. The BAS shall determine the system mode of operation.

Indoor unit operating parameters:
The space setpoint in the occupied cool mode shall be 75 degrees (adjustable).
The space setpoint in the occupied heat mode shall be 70 degrees (adjustable).
Local adjustment shall initially be enabled.
Initial occupancy schedule is M-F 7 a.m. to 6 p.m.
Indoor Fan speed shall be determined during field setup.
Unoccupied with system in cool mode setting is 80 degrees (adjustable).
Unoccupied with system in heat mode setting is 60 degrees (adjustable).
A 5 degree deadband between heating and cooling setpoints shall be included.

DOAS-1 SEQUENCE OF OPERATION

DOAS-1 Shall continuously provide constant volume supply airflow at 70°F/55% R.H. (adjustable) with a 2 degree deadband (adj.) any time the building is in occupied mode.

DOAS-1 Manufacturer shall provide a unit mounted controller capable of operating the unit as indicated in the following sequence of operation. The BAS contractor shall provide a gateway for communication to the building front end if necessary. The BAS shall be capable of receiving all unit alarms, and adjustment and monitoring of all unit setpoints.

Occupied Operation

There shall be several ways to initiate the Occupied mode of operation for the unit controller:

- Remote Forced Occupied contact closure
- Pushbutton Override button on a Space Sensor
- External scheduling device (BAS)

Scheduling

- Scheduling shall be programmed and fully adjustable by the BAS.

Unoccupied Operation

- Unit will be off in the Unoccupied mode.

HVAC Modes of Operation

There are 5 possible HVAC Modes of Operation for DOAS-1:

- Cooling
- Heating
- Ventilation
- Dehumidification
- Off

Cooling Mode with Multiple Digital Scroll Compressors

- Cooling is enabled when the Outdoor Air Temperature rises one deadband above the Cooling Setpoint. Cooling is disabled when the Outdoor Air Temperature falls one deadband below the Cooling Setpoint. The setpoint and deadband are user adjustable.
- In a unit with (2) Digital Scroll Compressors, as the Supply Air Temperature (SAT) rises above the Active Supply Air Cooling Setpoint (see Supply Air Temperature Setpoint Reset section for explanation), the 1st compressor will stage on and modulate as needed to maintain the SAT at the Active Supply Air Cooling Setpoint.
- If the 1st compressor modulates up to 100% for a period of 5 minutes (adj.), the 2nd constant speed compressor will energize, and the 1st compressor will modulate to maintain the SAT of the Active Supply Air Cooling Setpoint.
- If the 1st compressor modulates down to 0% for a period of 5 minutes (adj.), the 2nd constant speed compressor will de-energize, and the 1st compressor will modulate to maintain the SAT of the Active Supply Air Cooling Setpoint.

Heating Mode

- Available heating is Modulating Gas and modulating hot gas reheat. Modulating hot gas reheat shall be the first stage of heating. Natural gas heating shall only be used to supplement hot gas reheat on call for heating.
- Heating is enabled when the Outdoor Air Temperature falls one deadband below the Heating Setpoint. Heating is disabled when the Outdoor Air Temperature rises one deadband above the Heating Setpoint.
- In the Heating Mode, as the Supply Air Temperature falls below the Active Supply Air Heating Setpoint, the heating will begin to stage on or to modulate. Each stage must meet its Minimum Off Time (adj.) before it is allowed to energize and successive stages are subject to a Heating Stage Up Delay (adj.).
- Heating stages will continue to run until the supply air temperature rises above the Active Supply Air Temperature Setpoint plus the Heating Stage Control Window at which point the heating will begin to stage off. Each stage must meet its Minimum Run Time (adj.) before it is allowed to stage off and successive stages are subject to a Heating Stage Down Delay (adj.).

DOAS-1 SEQUENCE OF OPERATION (CONT.)

Ventilation Mode

- This is only available in the Occupied Mode of operation and is generated anytime there is no demand for heating or cooling.

Dehumidification Mode with Multiple Digital Scroll Compressors

- Dehumidification is enabled based on an Outdoor Air Dewpoint Setpoint. This requires an Outdoor Humidity and Outdoor Temperature sensor.
- Dehumidification can be selected as a priority mode, otherwise it is only available when the unit is not in heating or cooling.
- Once in dehumidification, the unit will maintain the Evaporator Coil Suction Temperature at the Coil Suction Temperature Setpoint by modulating the Digital Compressors.
- A coil suction pressure sensor is required and should be factory installed.
- The 1st compressor will modulate up to 100% before the 2nd compressor is energized. Once the 2nd compressor is energized, the 1st compressor will be locked at 100%.
- To stage up the extra compressor, the Evaporator Coil Suction Temperature needs to be above the Evaporator Coil Suction Temperature Setpoint and the 1st Digital Compressor needs to be at 100% for a period of time equal to the Stage Up Delay.
- To stage down the extra compressor, the minimum run time must be met, the Evaporator Coil Suction Temperature needs to be below the Evaporator Coil Suction Temperature Setpoint minus the Cooling Stage Control Window, and the 2nd Digital Compressor needs to be at 0% for a period of time equal to the Stage Down Delay.
- Dehumidification Reheat is always controlled to the appropriate Active Supply Air Temperature Setpoint which will be dependent on whether you are in Heating Dehumidification, Cooling Dehumidification, or Vent Dehumidification. During Vent Mode Dehumidification the Supply Air Temperature Setpoint is calculated to be halfway between the HVAC Mode Setpoints.
- Reheat is modulating hot gas reheat.

Off Mode

- Occurs in the Unoccupied Mode.
- Supply fan is off and the outside air damper is closed.

Supply Fan Operation

- Anytime the Supply Fan is requested to start, a 1 minute minimum off timer must be satisfied. If the timer is satisfied the Supply Fan relay is activated while all other outputs are held off for a period of 1-2 minutes to purge stagnate air from the ductwork before heating or cooling occurs.

Dirty Filter Status

- A 24 VAC wet contact closure on this input will create a Dirty Filter Alarm.
- A differential pressure switch is required.

Temperature Protection

- Activated when the Supply Air Temperature (SAT) rises above the High Cutoff Temperature (immediate) or drops below the Low Cutoff Temperature (for 10 minutes) both of which are user adjustable. This mode shuts off the unit (with a 3 minute fan off delay) until the mode is cancelled.
- This mode is cancelled when the SAT drops 5 degrees below the High Cutoff Temperature Setpoint or rises 5 degrees above the Low Temp Cutoff Temperature Setpoint, or when the unit changes back into Occupied Operation.

MISC ITEMS -- SEQUENCE OF OPERATION

DUCTLESS SPLIT SYSTEMS

Ductless split system units shall be provided with stand-alone controls & factory electronic thermostat. Supply fan shall cycle with a call for cooling in the space. Upon a rise in space temperature above thermostat setpoint, 70° f. (adj.), supply fan shall start and system compressor shall operate to satisfy space conditions. As temperature falls below setpoint, unit shall cycle off.

Where ductless split systems are installed in the same room as units served by VRF systems, the ductless split systems shall operate as secondary forms of cooling and setpoint shall be 75F (adj.)

Space temperature shall be monitored by the bas and an alarm shall be sent if the room temperature rises above 75° f. (adj.)

Condensate pumps with ductless split systems are provided with float switches inside drain pans. Activation of the float switch shall shut down unit and send an alarm to the central bas.

TYPICAL EXHAUST FANS

All fans shall be started and stopped on a programmed basis (adj) by the BAS based on building occupancy. All fans shall have status and over-ride capability from the BAS.

ELECTRIC HEATERS

On/off status for each heater shall be available at DDC interface. In rooms served by electric heaters, a temperature sensor shown on plans indicates temperature monitoring of this room shall be available at the BAS, and shall alarm at 45°F.

THERMOSTATS

Thermostats shall be provided where indicated on the drawings and per the specifications. All thermostats (except VRF system thermostats) shall be furnished and installed by the BAS contractor. All thermostats shall have manual adjustment and system override capability. Coordinate oil final setpoints, setback schedule, morning warm-up, cool-down, etc with owner during owner training (see specifications for owner training requirements). Thermostats shall be reset after 3 hour (adj) time delay in order to minimize critical zones. Thermostats shall provide a deadband of 5° (adj), within which the supply of heating or cooling energy to the zone can be reduced to the minimum. All occupancy setpoints and temperature settings shall be verified by the owner prior to final occupancy and prior to owner training. Thermostat programming and schedules shall be programmed in the presence of the owner's facility maintenance staff, the building occupants and the commissioning agent prior to occupancy.

COUNTY INTEGRATION

Building shall be integrated with the County's existing controls system (Johnson Controls, field verify). All graphics and features shall be capable of remote control, monitoring, and alarming from the existing controls network over the internet.

ELEVATOR PUMP PUMP ALARM

Provide interface with elevator pump pump oil-detection alarm system. Coordinate exact equipment location and direct interface with plumbing contractor. Bas interface shall provide pump status and initiate alarm upon oil-detection.

FIRE ALARM STATUS

Provide interface with fire alarm system. Coordinate exact equipment location and direct interface with fire alarm contractor. BAS interface shall provide fire alarm control panel status and initiate alarm upon alarm at fire alarm control panel. Contractor shall verify and program specific alarm settings after initial training with owner's facilities management personnel.

SMOKE DETECTORS

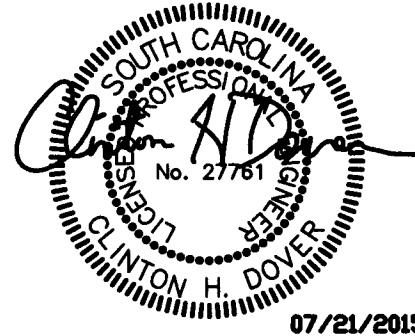
Contractor shall verify and program specific alarm settings after initial training with owner's facilities management personnel.

BUILDING PRESSURE SENSOR

A building pressure sensor is shown on drawings, and shall be visible at the BAS. Building pressure sensor shall alarm the BAS upon a reading below -0.05" wg (adj.).

CONTROL SYSTEM NOTES

1. SEE SPECIFICATIONS (SECTION 230900) FOR ADDITIONAL REQUIREMENTS.
2. ALL CONTROL SETPOINTS SHALL BE ADJUSTABLE, INDICATED TEMPERATURE SETPOINTS SHOULD BE USED FOR ORIGINAL SYSTEM SET-UP. ANY CHANGES IN SETPOINT SETTINGS REQUIRED FOR INTENDED SYSTEM OPERATION SHALL BE NOTED ON AS-BUILT DRAWINGS.
3. IONIZATION TYPE DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WRED TO THE FIRE ALARM SYSTEM BY THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR SHALL INSTALL DETECTOR IN DUCT AND WIRE UNIT FROM FIRE ALARM SYSTEM (DRY CONTACTS) FOR UNIT SHUT-DOWN UPON ACTIVATION.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE DEDICATED 120V CIRCUITS IN J-BOXES FOR CONTROL POWER. CONTROLS CONTRACTOR SHALL EXTEND 120V POWER FROM J-BOXES TO CONTROL PANELS, DAMPER ACTUATORS, TRANSFORMERS, ETC. AS REQUIRED FOR OPERATION OF CONTROL SYSTEM.
5. BAS SHALL ALLOW GLOBAL OPERATION OF DOAS AND VRF INDOOR UNIT. SUPPLY FANS. SYSTEM SHALL ALLOW FANS TO BE OPERATED CONTINUOUSLY WHILE IN THE OCCUPIED MODE OR ALLOW THE FANS TO BE CYCLED WITH THE CALL FOR HEATING OR COOLING.
6. LOCATE MAIN BAS PC AND CONTROLS HUB IN MECH ROOM 132. CLOSELY COORDINATE WITH OWNER'S IT REPRESENTATIVE PRIOR TO ISSUING EQUIPMENT SUBMITTALS OR INSTALLING EQUIPMENT. COORDINATE EXACT LOCATION WITH ALL OTHER TRADES PRIOR TO INSTALLATION. FRONT END TO BE SUPPLIED WITH UNINTERRUPTIBLE POWER SUPPLY (APC BACK-UPS 750 OR EQUAL).
7. THE SEQUENCE OF OPERATIONS PROVIDED IN THE CONTRACT DOCUMENTS IS INTENDED TO COMMUNICATE THE GENERAL DESIGN INTENT TO THE CONTROLS SUBCONTRACTOR AND IS NOT INTENDED TO BE COMPLETE. IN THE CONTROLS SUBMITTAL, THE SUBCONTRACTOR SHALL FULLY DEVELOP THE SEQUENCE OF OPERATIONS FOR ALL SYSTEMS IDENTIFIED AND SHALL PRESENT ALL SETPOINTS, CONTROL PARAMETERS, AND ALARM POINTS. THE CONTROLS SUBCONTRACTOR SHALL INCORPORATE STANDARD FEATURES SUCH AS MINIMUM RUN TIME DELAYS AND DEAD BANDS FROM SETPOINTS TO PREVENT EQUIPMENT FROM SHORT CYCLING WHEN NEAR SETPOINTS. ALL MONITORED POINTS SHALL INCLUDE EARLY HIGH/LOW ALARM NOTIFICATIONS PRIOR TO HAVING TO TAKE CORRECTIVE ACTIONS OR EQUIPMENT SHUTDOWNS. TRANSMITTERS SHALL INCLUDE OUT-OF-RANGE, FAIL-SAFE POSITIONING FOR OPEN CIRCUITS OR LOSS OF COMMUNICATION. CONTROL CONTRACTOR SHALL SPECIFY TO FAIL DE-ENERGIZER, HOLD LAST STATE, OR DEFAULT TO A PREDETERMINED SETPOINT. THESE BASIC FEATURES THAT ARE NECESSARY AND ARE PART OF A COMPLETE CONTROLS INSTALLATION SHALL BE INCLUDED IN THE SCOPE OF SERVICES FOR DELIVERABLES AT NO ADDITIONAL COSTS TO THE OWNER.



NOTE

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WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.

1390

Date
07-10-2015

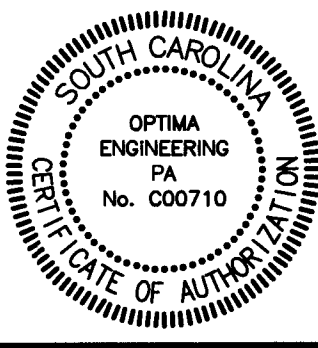
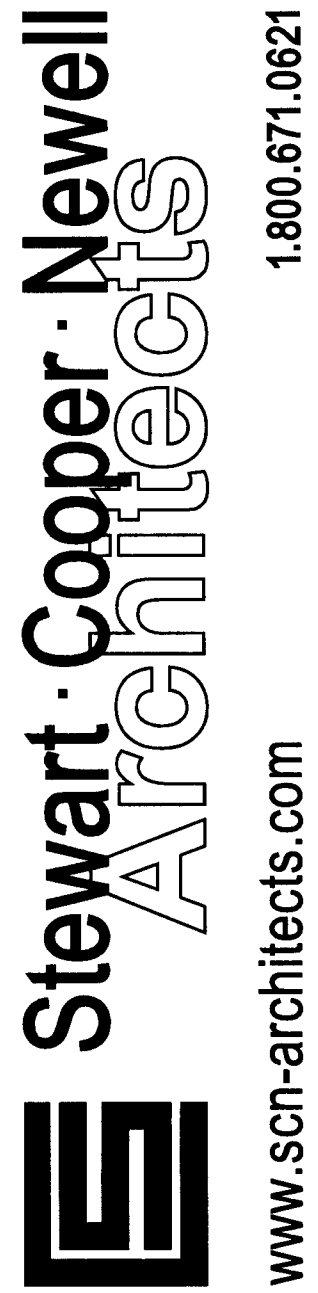
Drawn
CHD

Checked
BLF
Revisions



719 East Second Avenue
Gastonia, NC 28604
Phone: 704.865.6311
Fax: 704.865.0046

9133 Two Notch Road
Columbia, SC 29223
Phone: 803.765.9011



RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

SEQUENCE OF OPERATIONS
- MECHANICAL

sheet

9.31



SCU	STAND ALONE CONTROL UNIT	M	MOTORIZED DAMPER
H1	DISCHARGE AIR SENSOR	FS	FILTER STATUS
H1	DISCHARGE AIR HUMIDISTAT	VFD1	SUPPLY FAN VARIABLE FREQUENCY DRIVE
F2	OUTSIDE AIR SENSOR	LL	LOW LIMIT THERMOSTAT
F2	OUTSIDE AIR HUMIDISTAT	AFMS	AIRFLOW SENSOR
DD	DUCT DETECTOR		

SEE SPECIFICATION SECTION 230900 AND SEQUENCE OF OPERATIONS, DRAWING (9.31) FOR ADDITIONAL REQUIREMENTS OF BUILDING AUTOMATION SYSTEM.
CONTROLS SHALL BE PROVIDED BY TRANE, ALERTON, JOHNSON, OR SIEMENS

[illegible]

GENERAL NOTE:
INPUT/OUTPUT SUMMARY IS A GENERAL LIST OF CONTROL POINTS REQUIRED FOR THE OPERATION OF THE MECHANICAL SYSTEM. IN ADDITION TO CONTROL POINTS INDICATED, THE CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL POINTS AS REQUIRED FOR OPERATION OF THE MECHANICAL SYSTEM AS SPECIFIED AND OUTLINED IN THE SEQUENCE OF OPERATION, AND TO COMPLY WITH THE SPECIFICATIONS.

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR AND TRADES SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY INFORMATION FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

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REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 6/15/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Response Required By: SCN Architects

Drawing/Detail No: 10 Sheet 9.41

Problem/Conflict:

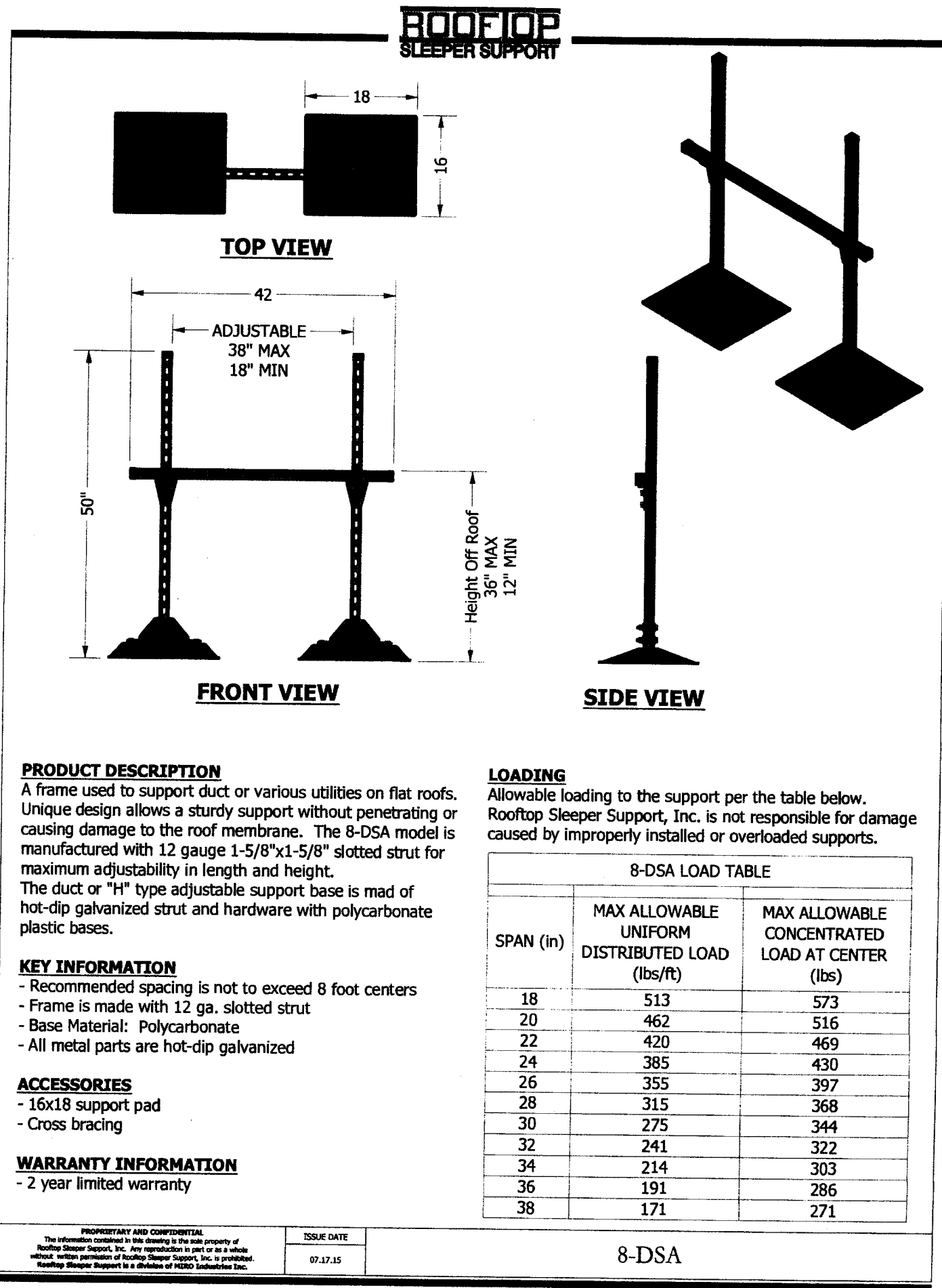
Can the attached roof top duct supports be used in lieu of assembly shown on 10 Sheet 9.41?

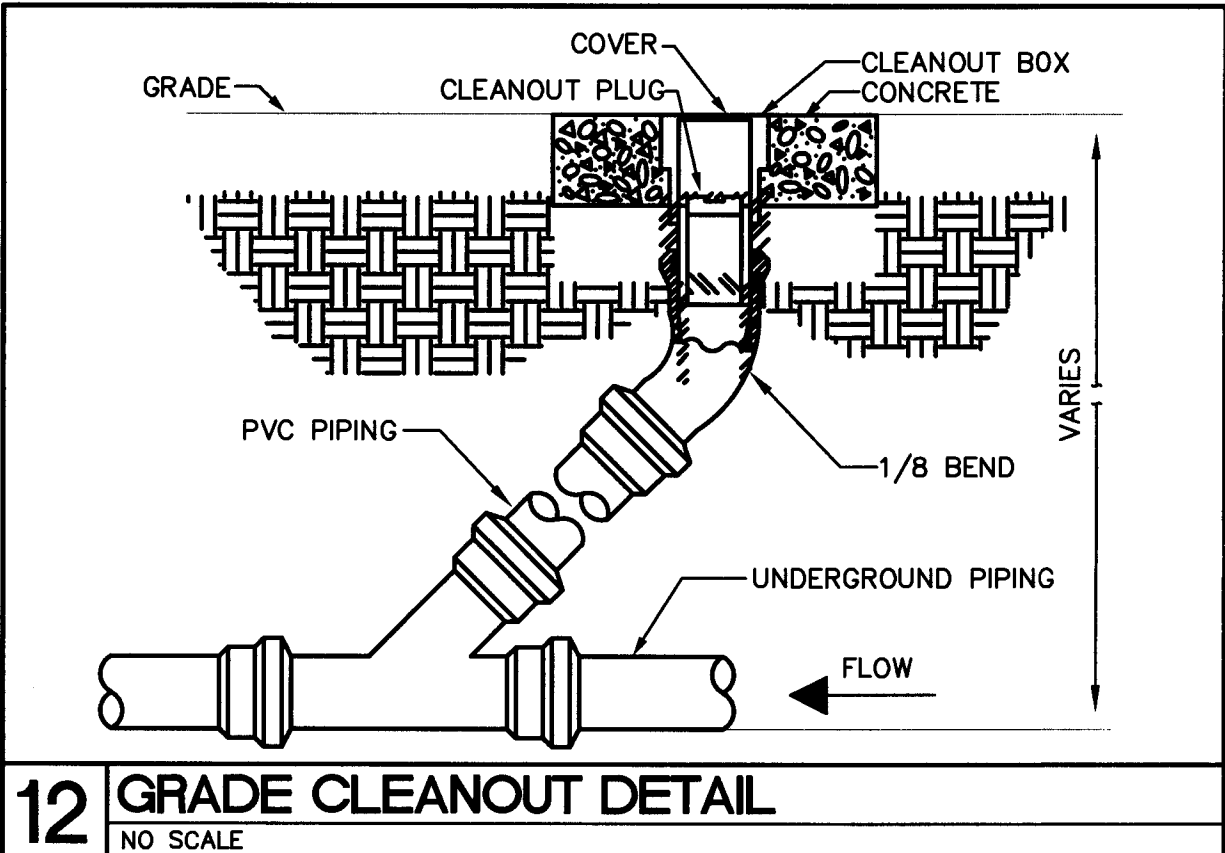
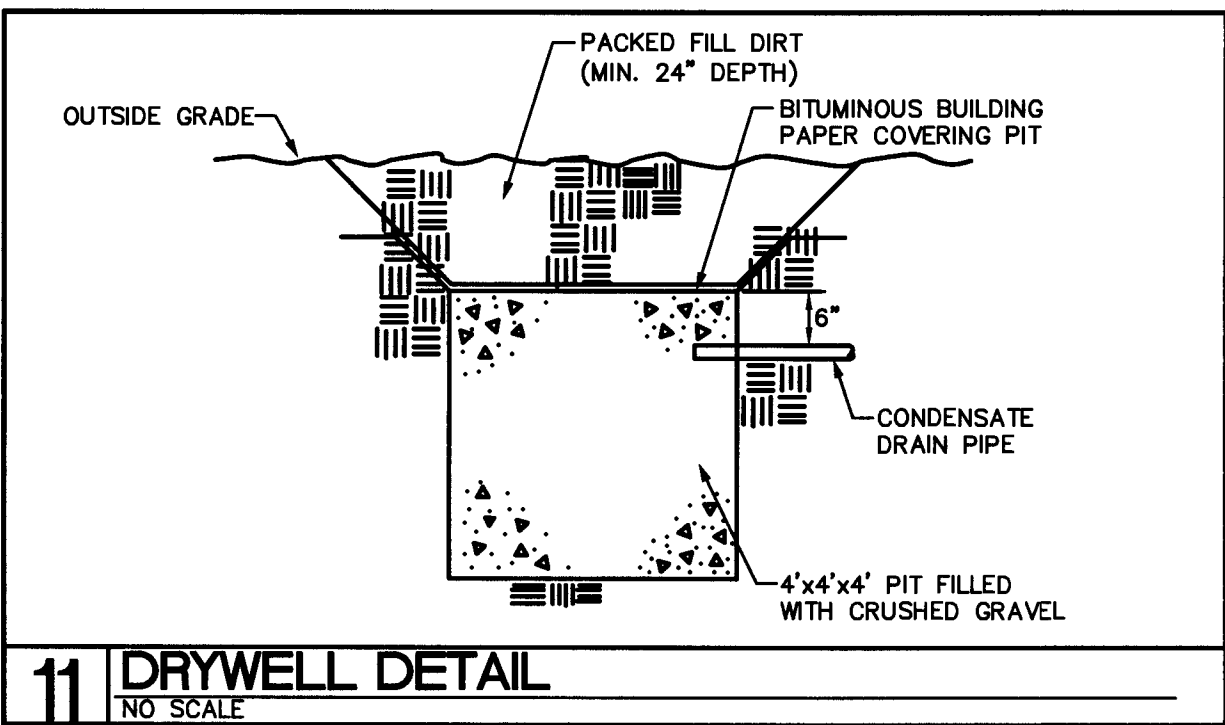
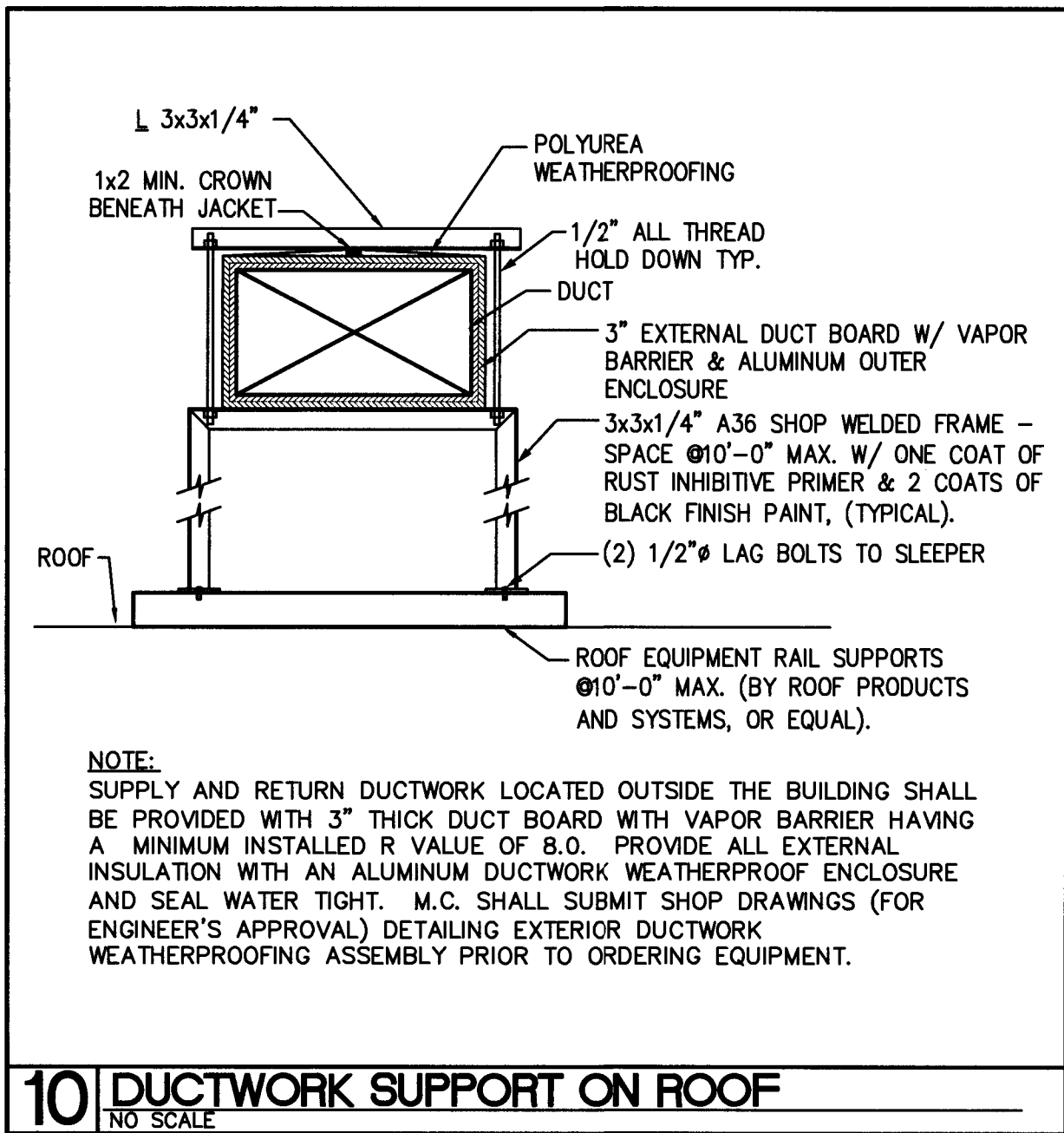
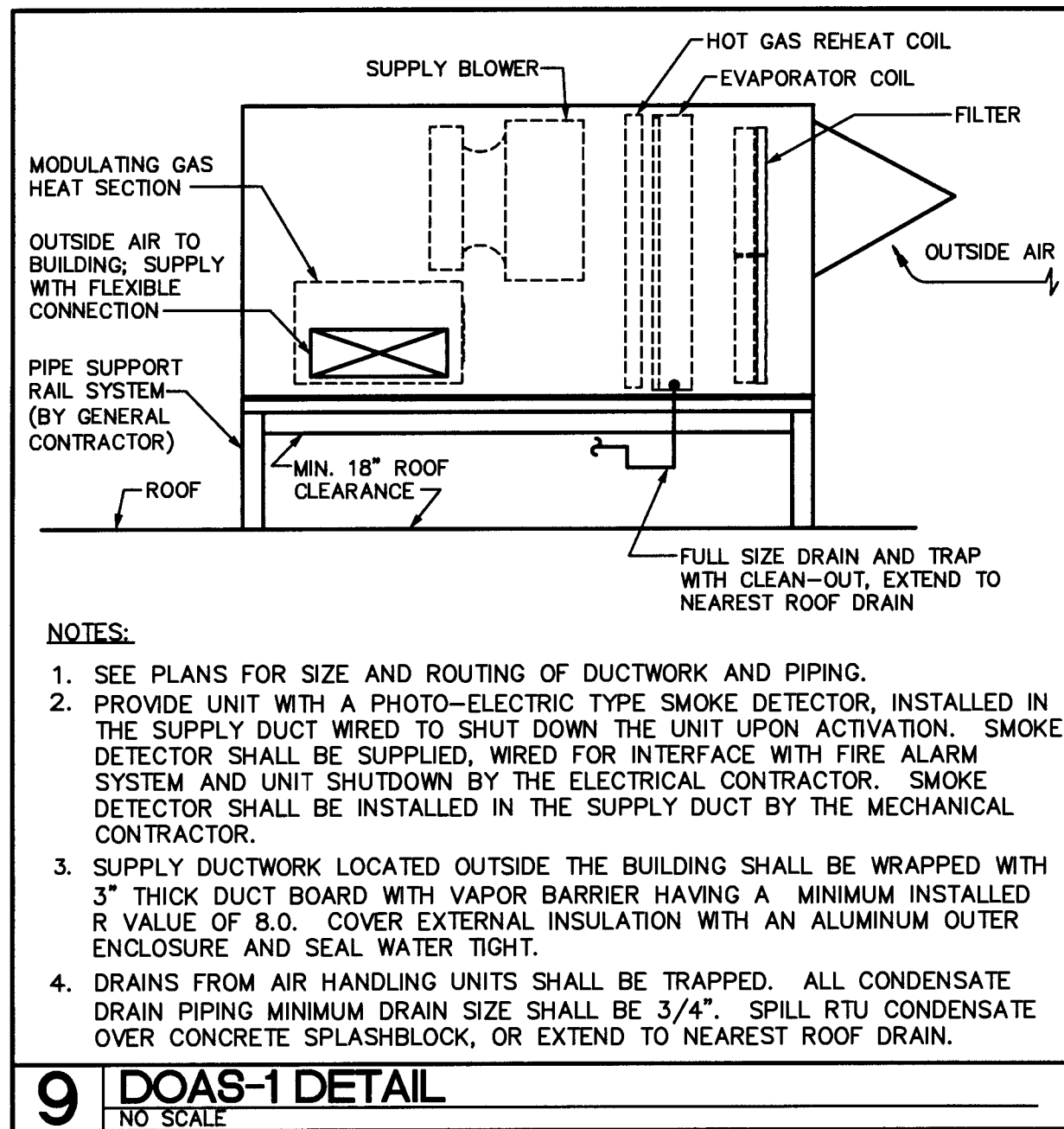
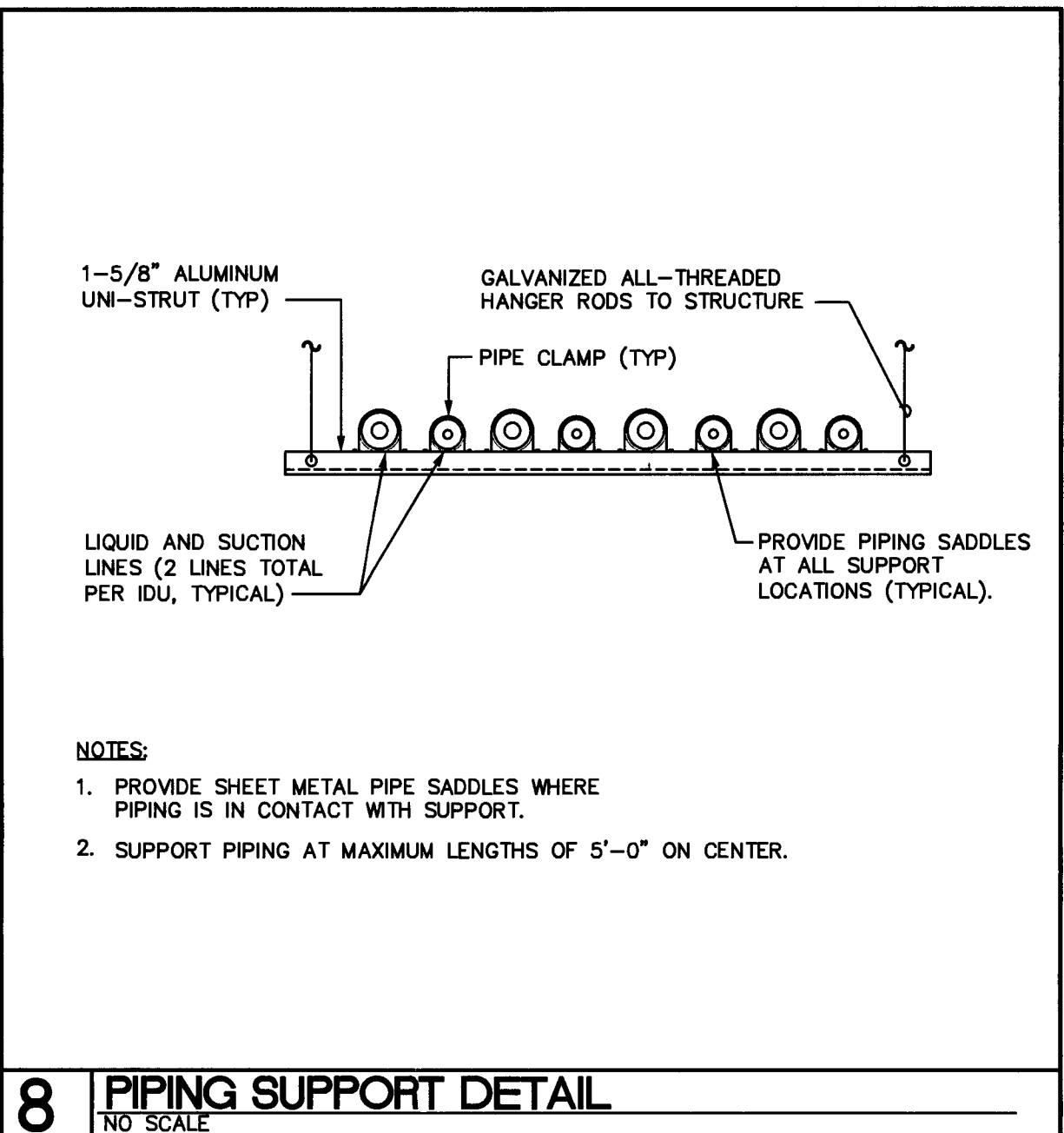
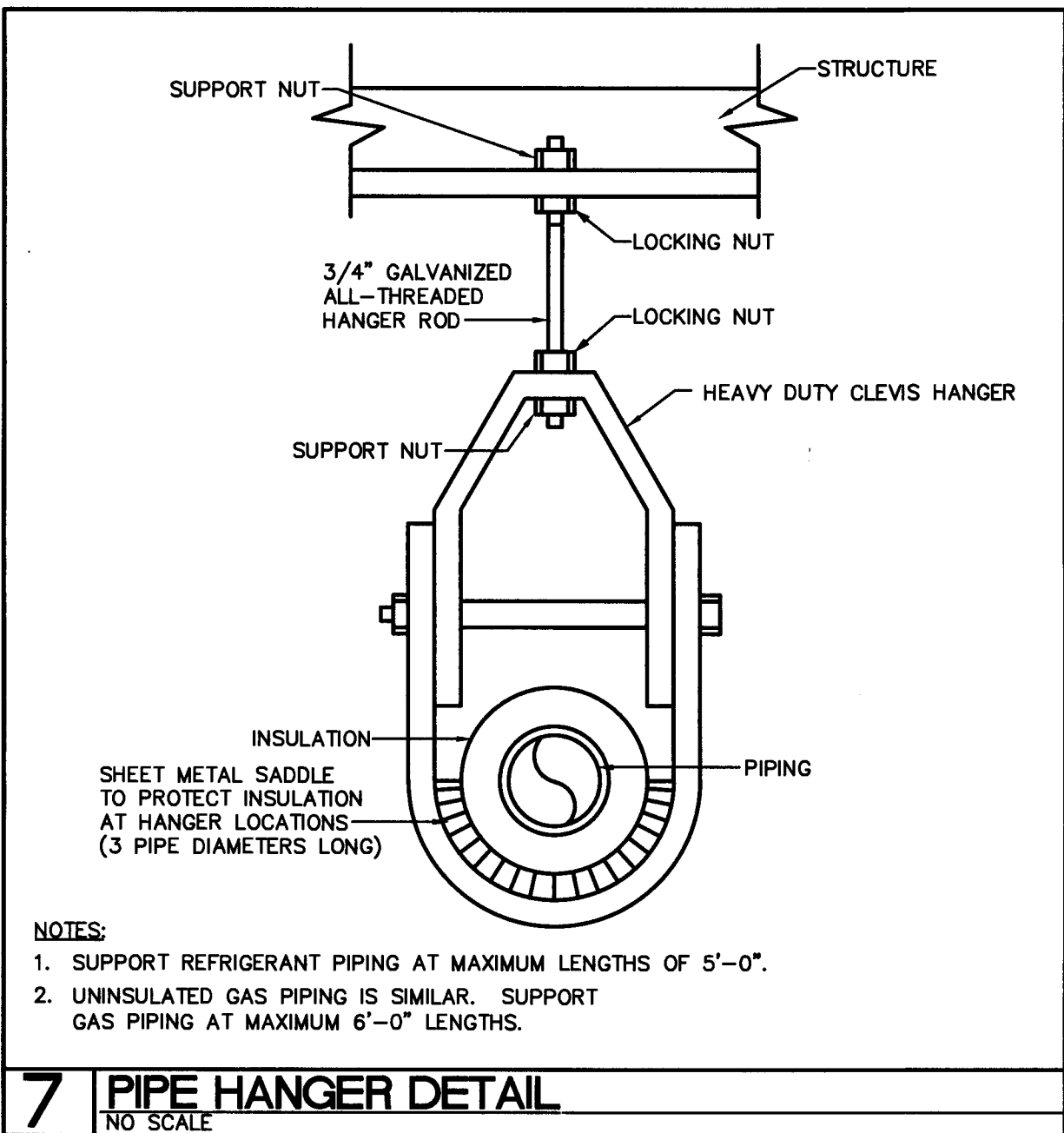
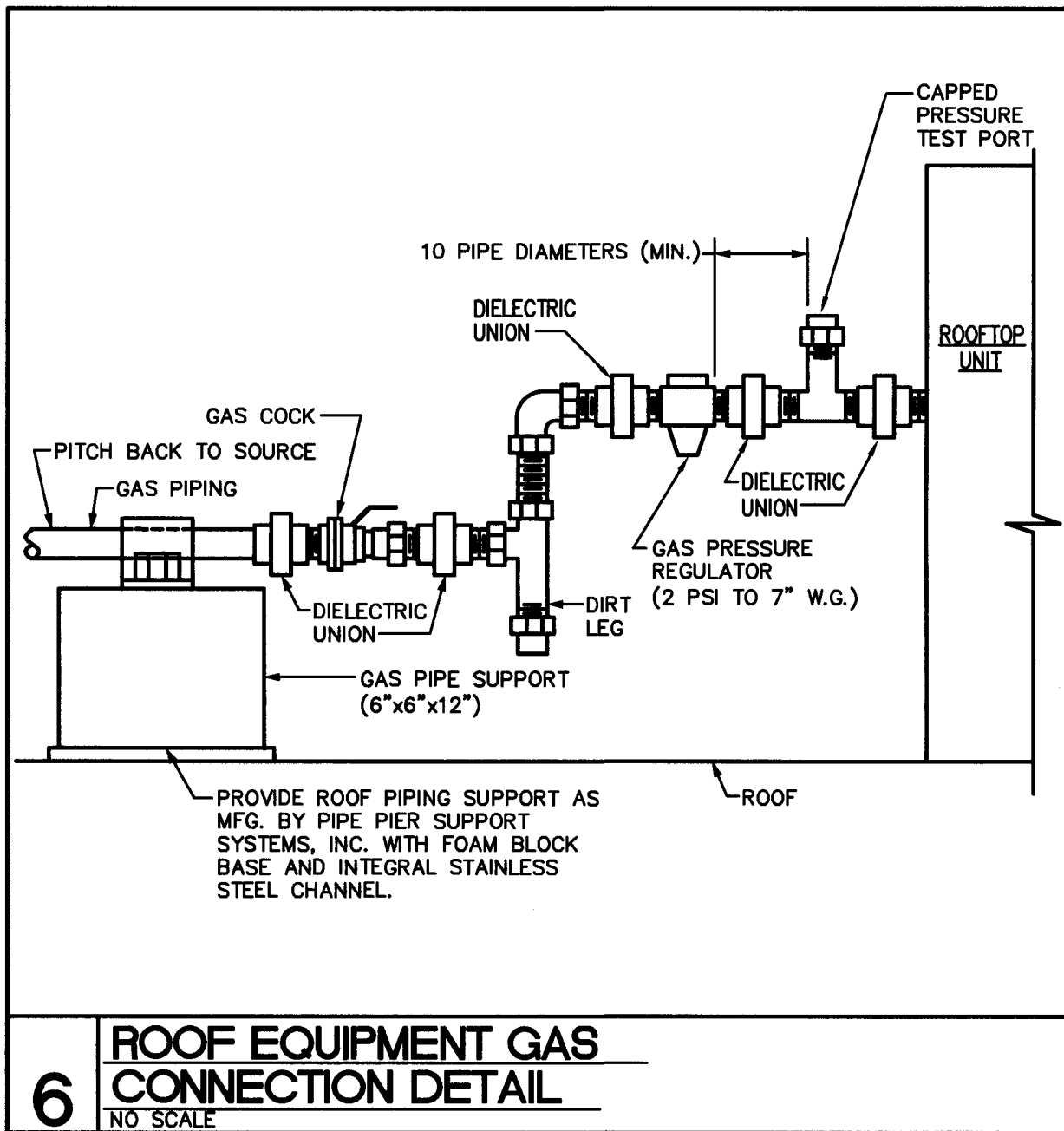
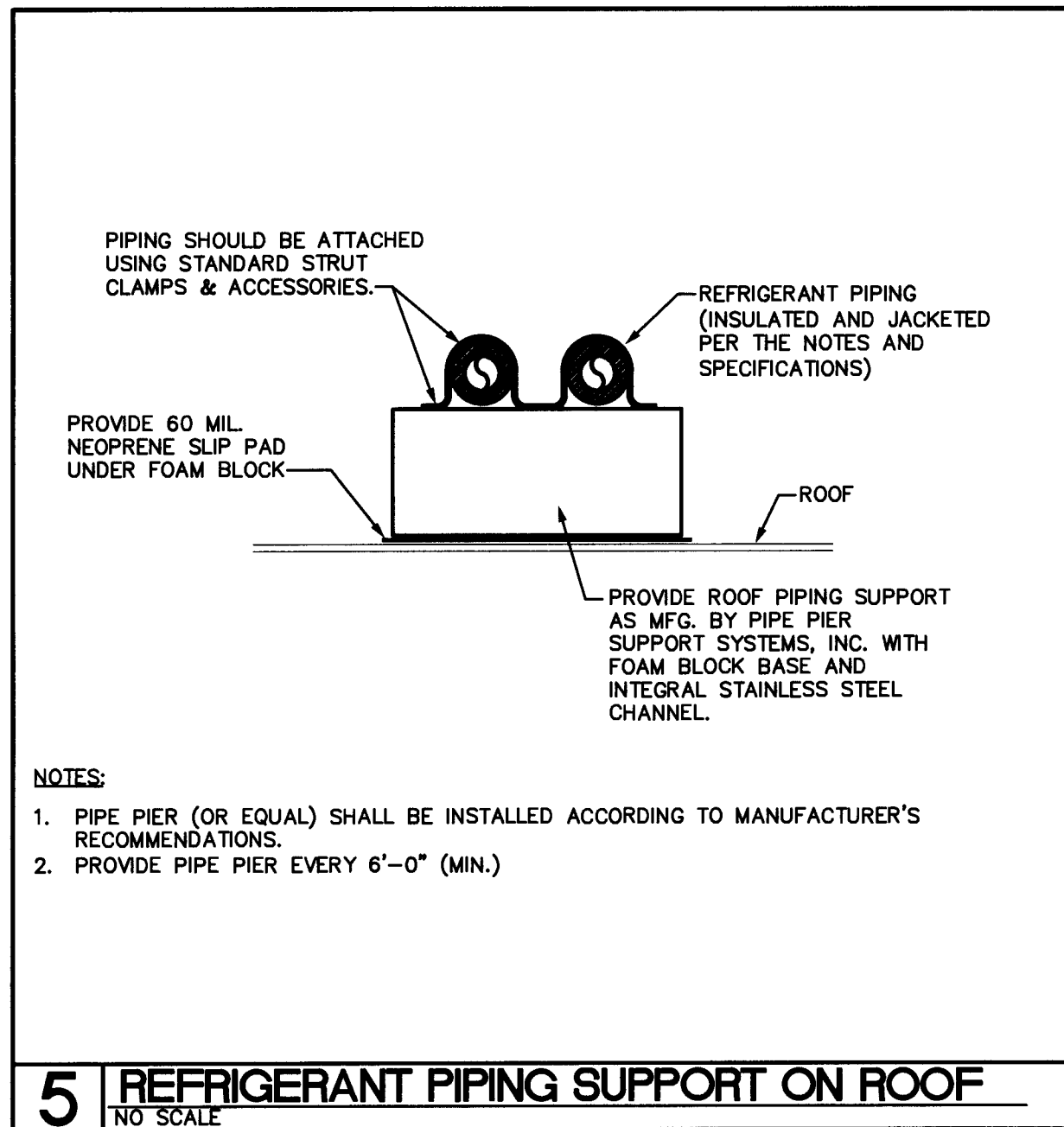
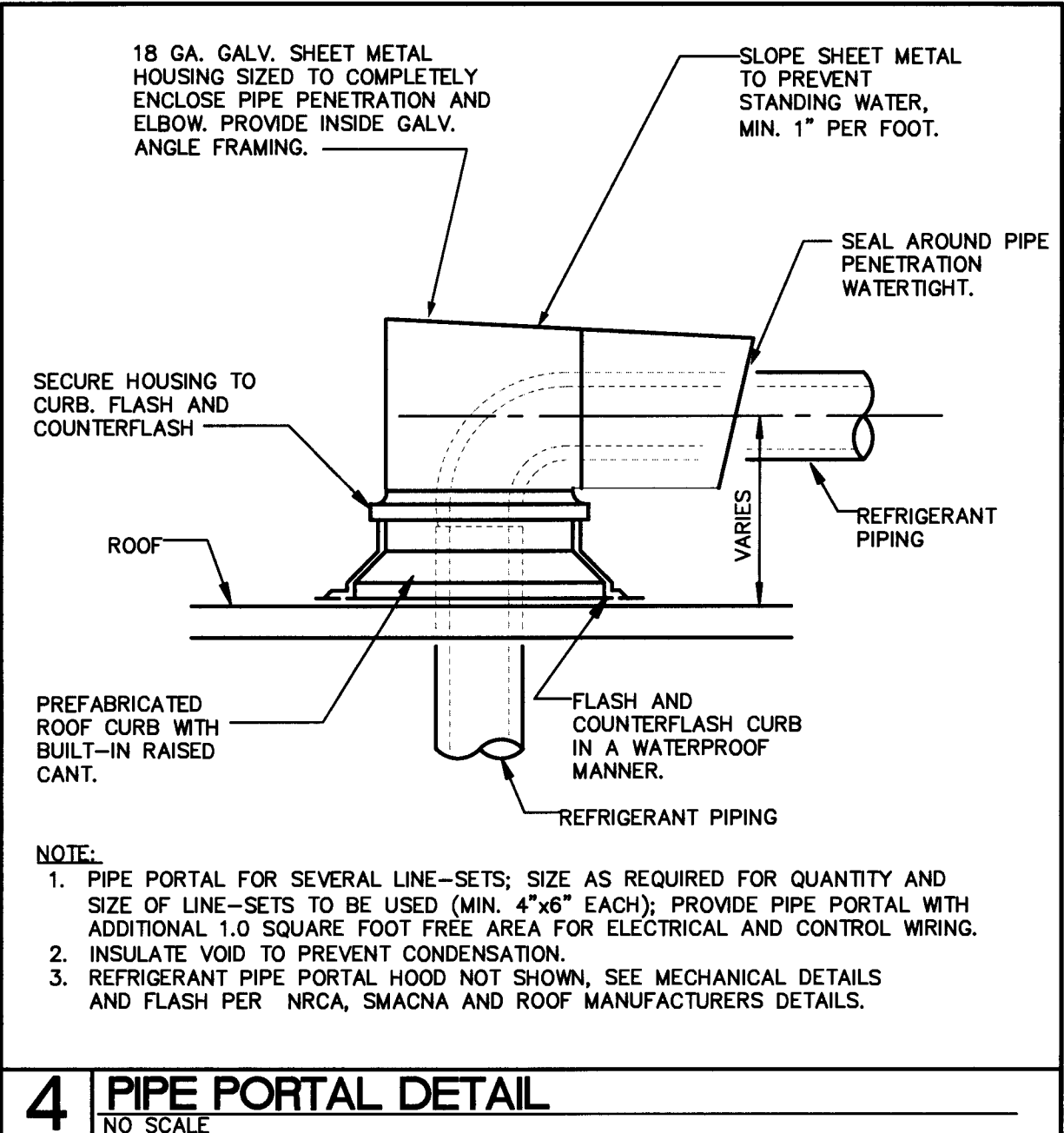
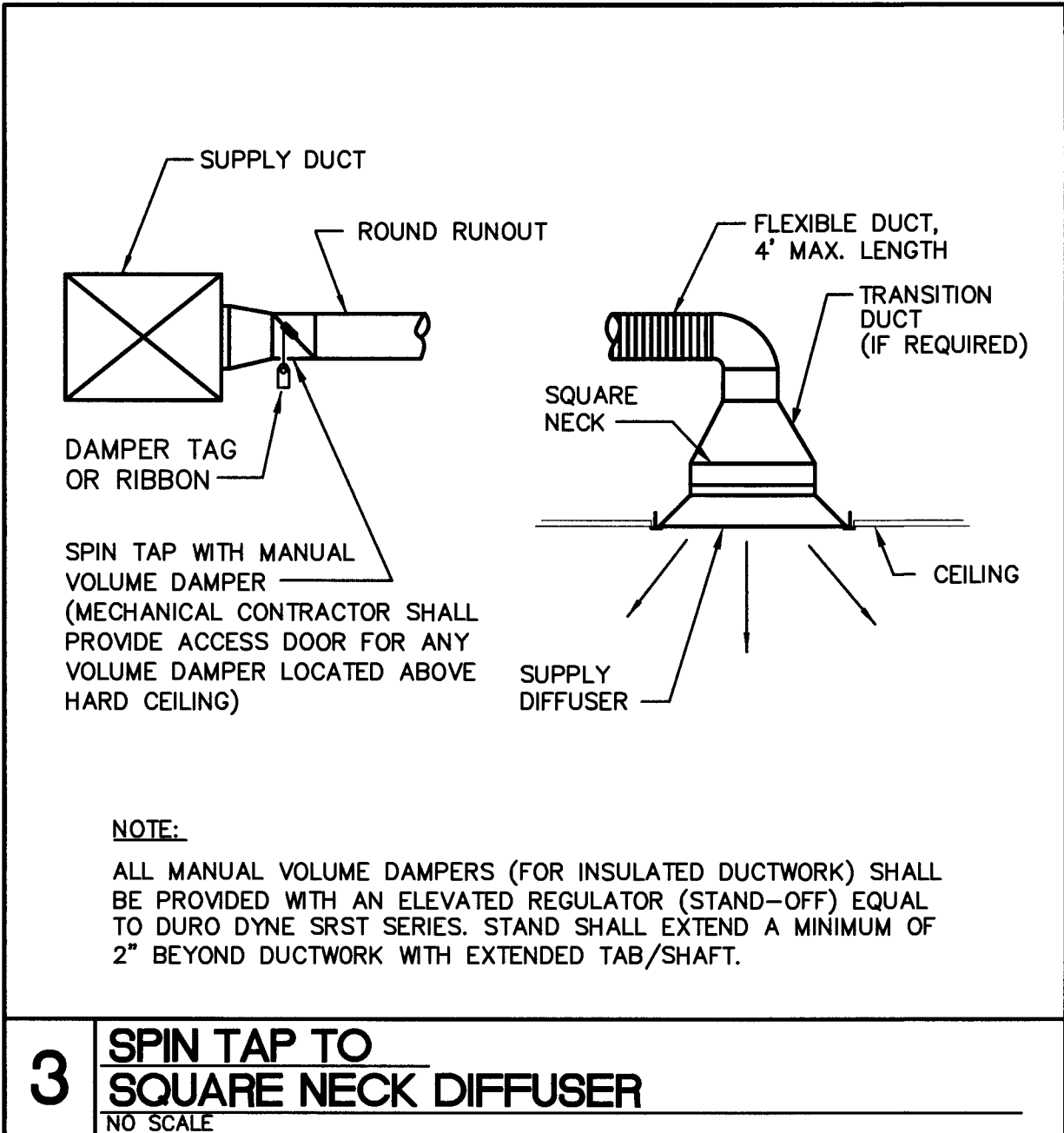
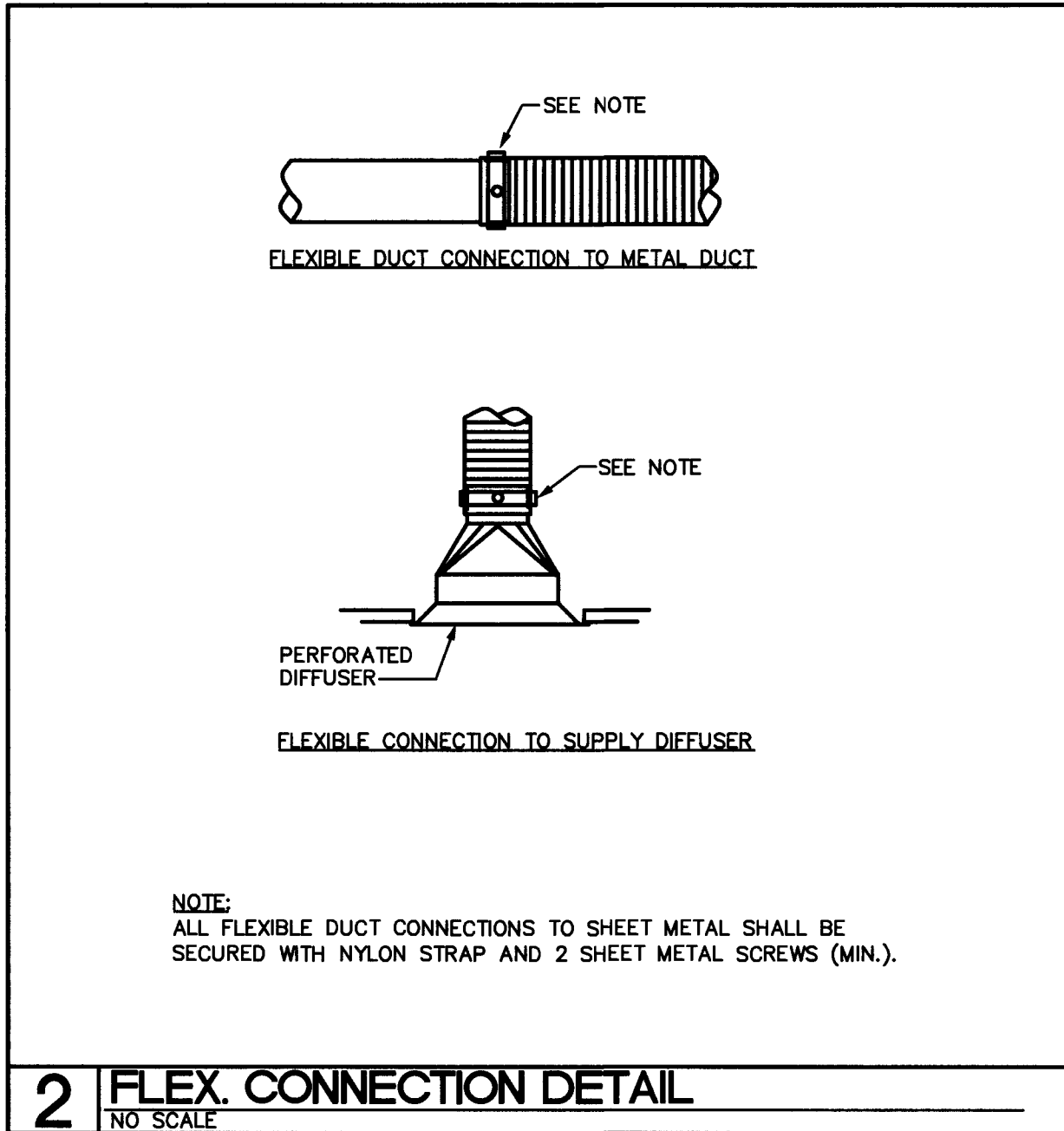
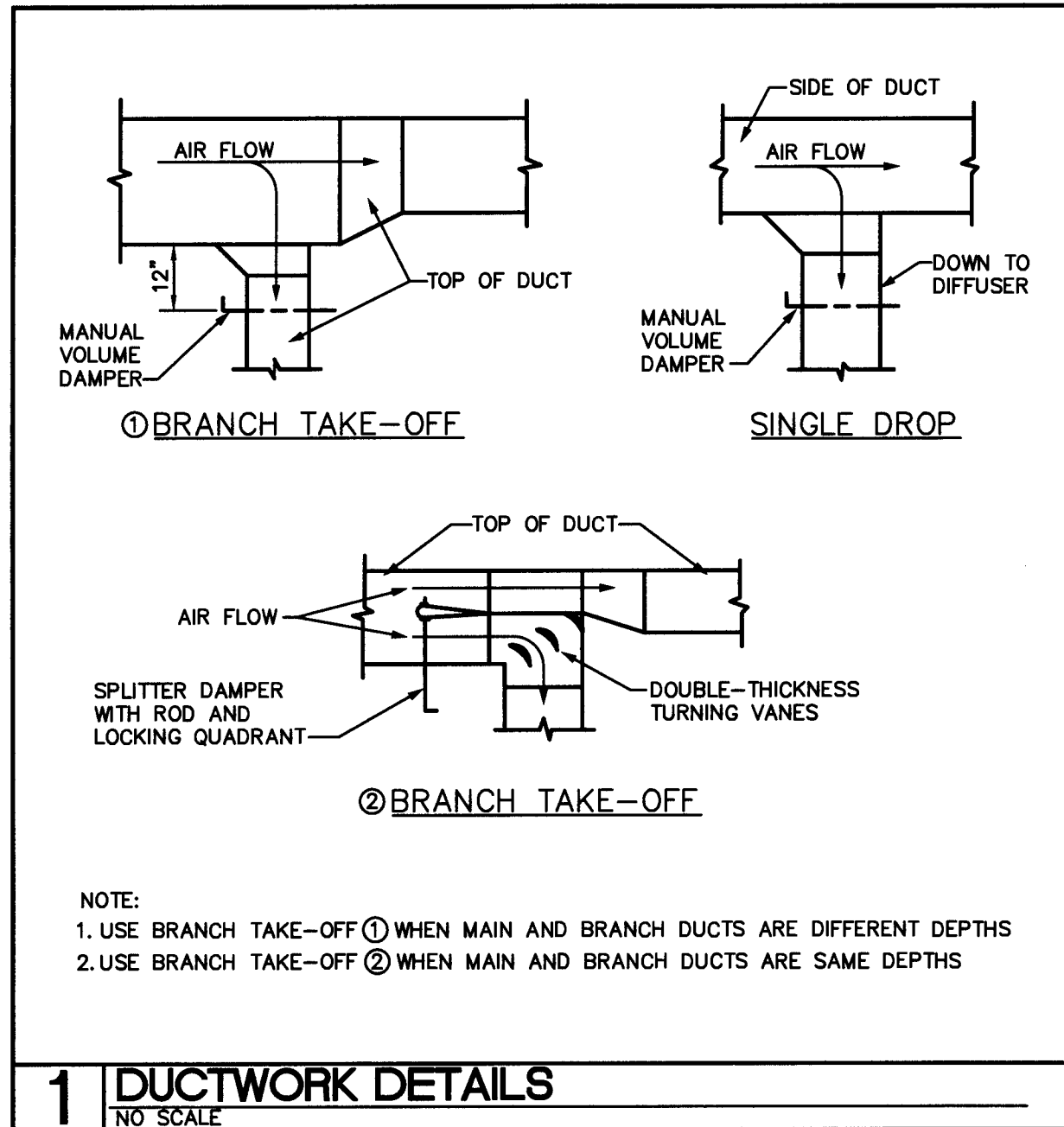
Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 6/15/16

Response:

Approved
6-15-16
Jim Stewart

Recommended By (Name) _____ Company: _____ Date: _____





NOTE

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REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 5/27/16

Response Required By: SCN Architects

Ref. Spec. Section/Page: Mechanical

Cost Impact: Unknown
Schedule Impact: NA

Schedule Impact: NA

Drawing/Detail No: 9.14, 9.42

Problem/Conflict:

Please see attached RFI's from Mechanical contractor and advise.

Issued By (Name) Jamie McDermott

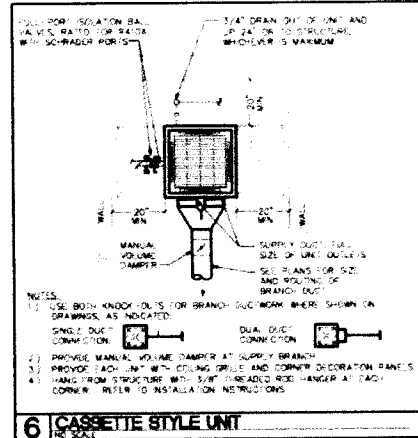
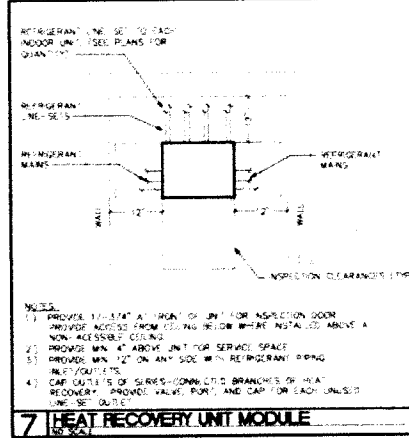
Company: Leitner Construction

Date: 5/27/16

Response:

See responses in individual RFI's

Recommended By (Name) Clint Dover, PE Company: Optima Engineering, PA Date: 05/27/2016

AMCI		ACTION MECHANICAL CONTRACTORS, INC. P.O. BOX 7325, CHARLOTTE, NC 28241 3228 NEVADA BLVD., CHARLOTTE, NC 28273 OFFICE: (704) 587-4450 FAX: (704) 587-4451		Request for Information Form	
Material No. M-05	Project Leifner Construction Co Inc.	Submitted By Commie Pendergrass	Scope To 		
Date 05/27/2016					
Project Name York County Courthouse		Project Number 16-367	Submission Number 9.42		
Refrigerant Refrigerant Valve location					Date Required 5/31/2016
Information Requested Page 9.42 details show the isolation valves placed near the equipment. The LG training stated that it would be preferred that the isolation valves be placed near the heat recovery unit. Is it acceptable to place the isolation valves at the heat recovery units?					
 6 CASSETTE STYLE UNIT		 7 HEAT RECOVERY UNIT MODULE			
Response Please provide service valves on same floor as the IDU served. Otherwise, no exception taken to locating at heat recovery box as opposed to IDU.					
Date Answered: 05/27/2016		Answered By: Clint Dover, PE			

		ACTION MECHANICAL CONTRACTORS, INC. P.O. BOX 7323, CHARLOTTE, NC 28241 3228 NEVADA BLVD., CHARLOTTE, NC 28273 OFFICE: (704) 587-4450 FAX: (704) 587-4451		Request for Information Form	
Project No. M-04 Date 05/25/2016	Request To Leitner Construction Co Inc.	Requested By Connie Pendergrass	Copies To 		
Project Name York County Courthouse		Project 16-367	Request 9.14 and 9.42		
Subject MOD for Elevator Relief Duct					Date Required 5/31/2016
Information Requested Page 9.14 shows the MOD in the duct work (24x16). Page 9.42 shows the MOD behind the louver (24x24). Is the 24x16 MOD sufficient for the system?					
Response Damper was intended to be against louver, but shown on floor plan for coordination reasons. Recommended installation is behind louver. However, The damper will perform adequately in either location, but what is the means and method of installing under fire wrap? This duct must be completely protected from top of elevator to exterior wall. If required (or more cost effective) to be in 24x16 duct, it's recommended to create a two-hour rated 30" tall x 36" wide x 24" long drywall enclosure which can house the actuator (on the side). Enclosure should be installed tight against the wall. Portions of duct inside the drywall enclosure would not require fire-wrap. Extend fire wrap from top of elevator shaft to drywall enclosure. Seal drywall against exterior wall as required to maintain rating. Provide rated access door for access to motorized damper.					
Date Answered: 05/23/2016		Answered By: Clint Dover, PE			

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Hinson Electric

Project: York County Courthouse

Date: 12/7/15

Ref. Spec. Section/Page: 264113

Cost Impact: Yes

Schedule Impact: No

RFI #	4
Sent To:	Jim Stewart
Company:	Stewart-Cooper-Newell

Response Required By: SCN Architects

Drawing/Detail No:

Problem/Conflict:

Lightning protection details are not shown on electrical drawings, is lightning protection required as specified? Please clarify scope.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 12/7/15

Response:

The entire building should have lightning protection per the specifications.
John Chapman, 12-7-15.

Recommended By (Name) _____ Company: _____ Date: _____

SYMBOL SCHEDULE

- SCHEDULE NOTES:**
- SEE DETAIL FOR STANDARD MOUNTING HEIGHTS OF ALL DEVICES, UNLESS OTHERWISE NOTED.
 - ALL DEVICES (SWITCHES AND RECEPTACLES) SHALL BE GRAY AND COVER PLATE SHALL BE 302 STAINLESS STEEL. ALL COVER PLATES IN MASONRY WALLS SHALL BE JUMBO PLATES.
 - DEVICE BOXES SHALL NOT BE MOUNTED BACK TO BACK IN COMMON WALLS UNLESS OTHERWISE NOTED.
 - ALL FIRE ALARM SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED.
 - ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.
 - ALL PLAN DRAWINGS SHALL SUPERCEDE SPECIFICATIONS WHEN PLANS AND SPECIFICATIONS ARE IN CONFLICT.
 - ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT TO COMPLY WITH BASIS OF DESIGN, INCLUDING PROVIDING MAINTENANCE ACCESS, CLEARANCE, CONDUIT, WIRE, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC., SHALL BE INCLUDED IN THE ORIGINAL BASE BID. NO ADDITIONAL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT WILL BE APPROVED DURING CONSTRUCTION AND ALL COST WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
 - SHARED NEUTRAL OR "SUPER NEUTRAL" CONDUCTORS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY SHOWN ON THESE DRAWINGS.
 - E.C. SHALL BID CONTRACT AS A MULTI-PRIME CONTRACT. ALL REFERENCES TO GENERAL CONTRACTOR OR G.C. SHALL BE CONSIDERED THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY FOR CONSTRUCTION AND PRICING.
 - SERIES RATED PANELS ARE NOT ACCEPTABLE.
 - STACKED TRANSFORMERS SHALL BE COORDINATED AND INSTALLED PRIOR TO DOOR OPENING OF ELECTRICAL ROOMS.
 - ALL WALL MOUNTED OCCUPANCY/VACANCY SENSOR SWITCH OUTLETS SHALL BE PROVIDED WITH A GROUNDED CONDUCTOR AS PART OF THE WIRING SYSTEM.
 - TURN OUT DATA AND OTHER COMMUNICATION STUB UP CONDUITS ABOVE ACCESSIBLE CEILING AS REQUIRED. COORDINATE WITH COMMUNICATION CONTRACTOR.

ABBREVIATIONS

+42"	DIMENSION INDICATES HEIGHT ABOVE FINISHED FLOOR AT WHICH CENTER OF DEVICE IS TO MOUNTED. SEE PLANS.
3R	NEMA 3R
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLER UNIT
C	CONDUIT WITH PULL CORD
C.B.	CIRCUIT BREAKER
EC	EMPTY CONDUIT WITH PULL CORD
E.C.	ELECTRICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER
EWB	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FPN	FUSE PER NAMEPLATE
LC	LIGHTING CONTACTOR
M.C.	MECHANICAL CONTRACTOR
NL	NIGHT LIGHT, UNSWITCHED
P.C.	PLUMBING CONTRACTOR
U.G.	UNDERGROUND
WP	WEATHERPROOF
S.E.	SERVICE ENTRANCE
EM	EMERGENCY FIXTURE WITH BATTERY OR GEN. BACK-UP
ER	EXISTING ITEM RELOCATED TO THIS LOCATION.
RL	EXISTING ITEM TO BE RELOCATED.
RM	EXISTING ITEM TO REMAIN.
RP	EXISTING ITEM TO BE REPLACED.
RV	EXISTING ITEM TO BE REMOVED.
Isc	RMS SYMMETRICAL SHORT CIRCUIT CURRENT
AIC	AMPERE INTERRUPTING CAPACITY (EQUIPMENT RATING)

DEVICES AND PATHWAYS

- WIRING SYSTEM CONCEALED IN WALL OR CEILING. WHEN SHOWN, CROSS LINES INDICATE NUMBER OF WIRES. (GROUND WIRES ARE NOT SHOWN)
- WIRING SYSTEM CONCEALED IN OR UNDER SLAB OR UNDERGROUND.
- WIRING SYSTEM EXPOSED
- CONDUIT TURNED UP TO FLOOR ABOVE.
- CONDUIT TURNED DOWN TO FLOOR BELOW.
- BRANCH CIRCUIT HOMERUN TO PANEL.
- JUNCTION BOX WITH CONNECTION TO EQUIPMENT SERVED.
- 4" SQUARE BOX WITH A SINGLE-GANG OPENING AND PLASTER RING.
- JUNCTION BOX FOR HAND DRYER CONNECTION. SEE MOUNTING HEIGHTS DETAIL FOR EXACT HEIGHT. SEE ARCH. SHEETS FOR COORDINATION.
- 4" SQUARE BOX WITH A SINGLE-GANG OPENING AND PLASTER RING.
- DUPLEX RECEPTACLE, 20 AMP, 120 VOLT (USE 20 AMP FOR SINGLE RECEPTACLE ON A CIRCUIT). COOPER 5352, OR EQUAL.
- DUPLEX RECEPTACLE MOUNTED AT 48" AFF OR 6" ABOVE COUNTER BACKSPLASH WHERE PRESENT OR AT THE HEIGHT NOTED.
- QUAD RECEPTACLE. TWO NEMA 5-20R DUPLEX RECEPTACLES.
- STANDARD NEMA 5-20R DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
- GROUND FAULT RECEPTACLE. NEMA 5-20R DUPLEX. ALL RECEPTACLES INSTALLED OUTSIDE, WITHIN 6' OF A SINK OR IN A KITCHEN SHALL BE GFCI.
- ISOLATED GROUND RECEPTACLE. NEMA 5-20R DUPLEX.
- WEATHERPROOF RECEPTACLE. NEMA 5-20R GFI DUPLEX. COVER SHALL BE INTERMATIC #WP1020 (CLEAR) OR EQUAL.
- DUPLEX SWITCHED TAMPER RESISTANT RECEPTACLE, 20 AMP, 120 VOLT.
- SURGE PROTECTION DEVICE (SPD); SEE DETAIL.
- WIREMOLD 2400 PLUGMOLD. NEMA 5-15R RECEPTACLES ON 12" CENTERS. ALTERNATE CIRCUITS.
- REMOTE GENERATOR ANNUNCIATOR
- SPECIAL OUTLET. SEE PLANS.
- MODULAR FURNITURE CONNECTION. PROVIDE DOUBLE-GANG BARRIRED J-BOX FOR POWER & TELE/DATA. EXTEND 1-1/4" EC TO ABOVE ACCESSIBLE CEILING FOR TELE/DATA. CONNECT POWER AS INDICATED.
- MOTOR OPERATED DAMPER (DAMPER BY M.C.)
- GROUNDING BAR PER DIAGRAM.
- FLUSH MOUNTED FIRE RATED POKE THRU DEVICE WITH ACCESSIBLE COVER FOR POWER AND COMMUNICATIONS. PROVIDE THREE NEMA 5-20R DUPLEX RECEPTACLES AND TWO COMMUNICATION PLATES FOR SIX RJ45 CAT5 JACKS ON EACH PLATE. EQUAL TO WIREMOLD BAT-807. ARCHITECT TO SELECT FINISH. FROM DEVICE, PROVIDE ONE CONCEALED 2" C ROUTED TO WHICHEVER IS NEAREST, BB, J-HOOKS, OR CABLE TRAY.

FIRE ALARM

- FIRE ALARM MANUAL STATION WITH CLEAR POLYCARBONATE PROTECTIVE COVER. COVER SHALL HAVE INTEGRAL BATTERY BACKED UP AUDIBLE ALARM.
- ADA COMPLIANT FIRE ALARM HORN WITH STROBE LIGHT, 75cd, UNLESS OTHERWISE NOTED. WHITE FINISH.
- ADA COMPLIANT FIRE ALARM STROBE LIGHT, 75cd, UNLESS OTHERWISE NOTED. WHITE FINISH.
- CEILING MOUNTED SMOKE DETECTOR.
- DUCT MOUNTED SMOKE DETECTOR. FURNISHED AND CONNECTED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR. CUTTING OF DUCT, INSTALLATION OF DETECTOR, AND DETERMINATION OF SAMPLING TUBE LENGTH SHALL BE THE MECHANICAL CONTRACTOR. PROVIDE REMOTE INDICATING LIGHT WITH EACH DETECTOR.
- CEILING MOUNTED HEAT DETECTOR.
- SPRINKLER SYSTEM FLOW SWITCH.
- SPRINKLER SYSTEM TAMPER SWITCH.
- SMOKE DAMPER. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, CONNECTED TO FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
- MAGNETIC DOOR HOLDER, PROVIDED BY GENERAL CONTR, INSTALLED BY ELEC. CONTR. PROVIDE A SMOKE DETECTOR WITHIN 5 FT. OF BOTH SIDES OF DOORS TO LOCALLY ACTIVATE DOOR UPON SMOKE SIGNAL.
- FIRE ALARM REMOTE GRAPHIC ANNUNCIATOR.
- ADA COMPLIANT FIRE ALARM HORN STROBE LIGHT, 75cd, UNLESS OTHERWISE NOTED. WHITE FINISH. (CEILING MOUNTED)
- ADA COMPLIANT FIRE ALARM STROBE LIGHT, 75cd, UNLESS OTHERWISE NOTED. WHITE FINISH. (CEILING MOUNTED)
- FIRE ALARM CONTROL PANEL WITH LOCAL SMOKE DETECTOR
- DUCT DETECTOR REMOTE INDICATING LIGHT.

SPECIAL SYSTEMS

- SEE TV DETAIL FOR TYPE AND REQUIREMENTS. MINIMUM 1" CONDUIT FOR CABLING AND 3/4" CONDUIT FOR POWER. PROVIDE PULL STRING FOR LOW VOLTAGE CABLING TO ACCESSIBLE CEILING.

TELECOMMUNICATIONS

- TELE/DATA OUTLET ABOVE COUNTER OR HEIGHT SPECIFIED. 1" EC TO ABOVE ACCESSIBLE CEILING WITH PULL STRING. 4" SQUARE BOX WITH A SINGLE-GANG OPENING AND PLASTER RING.
- TELE/DATA OUTLET. 1" EC TO ABOVE ACCESSIBLE CEILING WITH PULL STRING. 4" SQUARE BOX WITH A SINGLE-GANG OPENING AND PLASTER RING.

SECURITY

- CARD READER. PROVIDE DOUBLE GANG BOX WITH SINGLE GANG TRIM AND 1/2" C TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
- DOOR RELEASE BUTTON. PROVIDE DOUBLE GANG BOX WITH SINGLE GANG TRIM AND 1/2" C TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
- PANIC BUTTON. PROVIDE DOUBLE GANG BOX WITH SINGLE GANG TRIM AND 1/2" C TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
- ACCESS CONTROL DETAIL. REFER TO 3/10.06
- CCTV CAMERA. AT INTERIOR NON-ACCESSIBLE CEILING LOCATIONS PROVIDE A DOUBLE GANG BOX WITH SINGLE GANG TRIM AND 1/2" C TO ABOVE ACCESSIBLE CEILING. AT EXTERIOR LOCATIONS PROVIDE OUTLET BOX FOR DATA IDENTICAL TO INTERIOR LOCATIONS AND A POWER OUTLET BOX, CIRCUIT TO THE NEAREST RECEPTACLE CIRCUIT IF CIRCUITING IS NOT SHOWN.
- COMMUNICATION SYSTEM FOR ELEVATOR LOBBIES MASTER STATIONS. PROVIDE COMPLETE SYSTEM IN ACCORDANCE WITH SC BUILDING CODE 1007.8 REQUIREMENTS.
- COMMUNICATION FOR ELEVATOR LOBBIES CALL STATION. PROVIDE EQUIPMENT, CONDUIT AND CABLING AS REQUIRED FOR A COMPLETE SYSTEM.

PANELS, DISCONNECTS

- FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER, WITH OVERLOAD PROTECTION, PROVIDE WITH POLES AS REQUIRED.
- NON-FUSED HEAVY DUTY DISCONNECT SWITCH. PROVIDE AMPERE RATING EQUAL OR GREATER THAN THE CIRCUIT RATING. NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- FUSED HEAVY DUTY DISCONNECT SWITCH. PROVIDE AMPERE RATING EQUAL OR GREATER THAN THE CIRCUIT RATING. NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- CIRCUIT BREAKER. NUMERALS INDICATE RATING. NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- PLYWOOD TELEPHONE BACKBOARD. SIZE AS INDICATED ON PLANS.
- PANELBOARD. SEE SCHEDULE FOR MOUNTING. TOP OF PANEL AT 6'-6" AFF.
- DOOR MOTOR CONTROL. MOUNT +48" AFF, CONTROLS SHALL BE UP, DOWN, AND STOP MOUNTED ON 4" SQUARE BOX (FLUSH BOX)
- CONNECTION TO MOTOR. STARTER PROVIDED BY OTHERS UNLESS OTHERWISE NOTED.

LIGHTING (SEE FIXTURE SCH.)

- FLUORESCENT OR LED LIGHTING FIXTURE. SEE FIXTURE SCHEDULE. SUSPEND FOUR CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.
- FLUORESCENT OR LED STRIP FIXTURE.
- FLUOR., LED OR H.I.D. LIGHTING FIXTURE.
- WALL MOUNTED INCANDESCENT, FLUOR., LED OR H.I.D. LIGHTING FIXTURE.
- FLUORESCENT FIXTURE WITH EMERGENCY BATTERY PACK, 1100 LUMEN INVERTER. SEE LIGHTING FIXTURE SCHEDULE. UNDER GENERATOR ALTERNATE DELETE BATTERY BACKUP.
- FLUORESCENT OR LED DOWNLIGHT WITH AN EMERGENCY BATTERY PACK. SEE LIGHTING FIXTURE SCHEDULE. UNDER GENERATOR ALTERNATE DELETE BATTERY BACKUP.
- EXIT LIGHT WITH ARROWS AND NUMBERS OF FACES AND MOUNTING AS INDICATED ON PLANS. 90 MIN BATTERY BACKUP. SEE LIGHTING FIXTURE SCHEDULE. UNDER GENERATOR ALTERNATE DELETE BATTERY BACKUP.
- EMERGENCY BATTERY PACK FIXTURE. 90 MINUTE EMERGENCY INTEGRAL BATTERY. SEE LIGHTING FIXTURE SCHEDULE.
- WALL MOUNTED FIXTURE WITH 1100 LUMEN EMERGENCY BATTERY. UNDER GENERATOR ALTERNATE DELETE BATTERY BACKUP.
- SINGLE POLE SWITCH, 20 AMP, 120/277 VOLT, COOPER AH 1221, OR EQUAL BY HUBBELL, LEVITON, AND PASS & SEYMOUR.
- DOUBLE POLE SWITCH, 20 AMP, 120/277 VOLT, COOPER 1222, OR EQUAL.
- THREE WAY SWITCH, 20 AMP, 120/277 VOLT, COOPER 1223, THREE WAY SWITCH, 20 AMP, 120/277 VOLT, COOPER 1223, OR EQUAL BY HUBBELL, LEVITON, AND PASS & SEYMOUR.
- FOUR WAY SWITCH, 20 AMP, 120/277 VOLT, COOPER 1224, OR EQUAL.
- PILOT LIGHT SWITCH
- DIMMER SWITCH. 120V. LUTRON NT-SERIES, OR SIMILAR TO COODINATE WITH THE FIXTURES BEING DIMMED.
- CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGY. SENSOR SWITCH CM PDT 10, WATT STOPPER #DT-300, COOPER OAC-DT OR EQUAL.
- WALL MOUNTED OCCUPANCY SENSOR AND SWITCH. INFRARED TECHNOLOGY WITH NEUTRAL. WATT STOPPER #WS-250, OR EQUAL BY SENSOR SWITCH, AND LEVITON.
- WALL MOUNTED 3-WAY OCCUPANCY SENSOR AND SWITCH. INFRARED TECHNOLOGY, WATT STOPPER OR EQUAL.
- PHOTO CONTROL, EXTERIOR, MOUNT FACING NORTH.
- SWITCHING DEVICE INDICATOR; INDICATES SWITCH AND ASSOCIATED FIXTURES CONTROLLED BY DEVICE

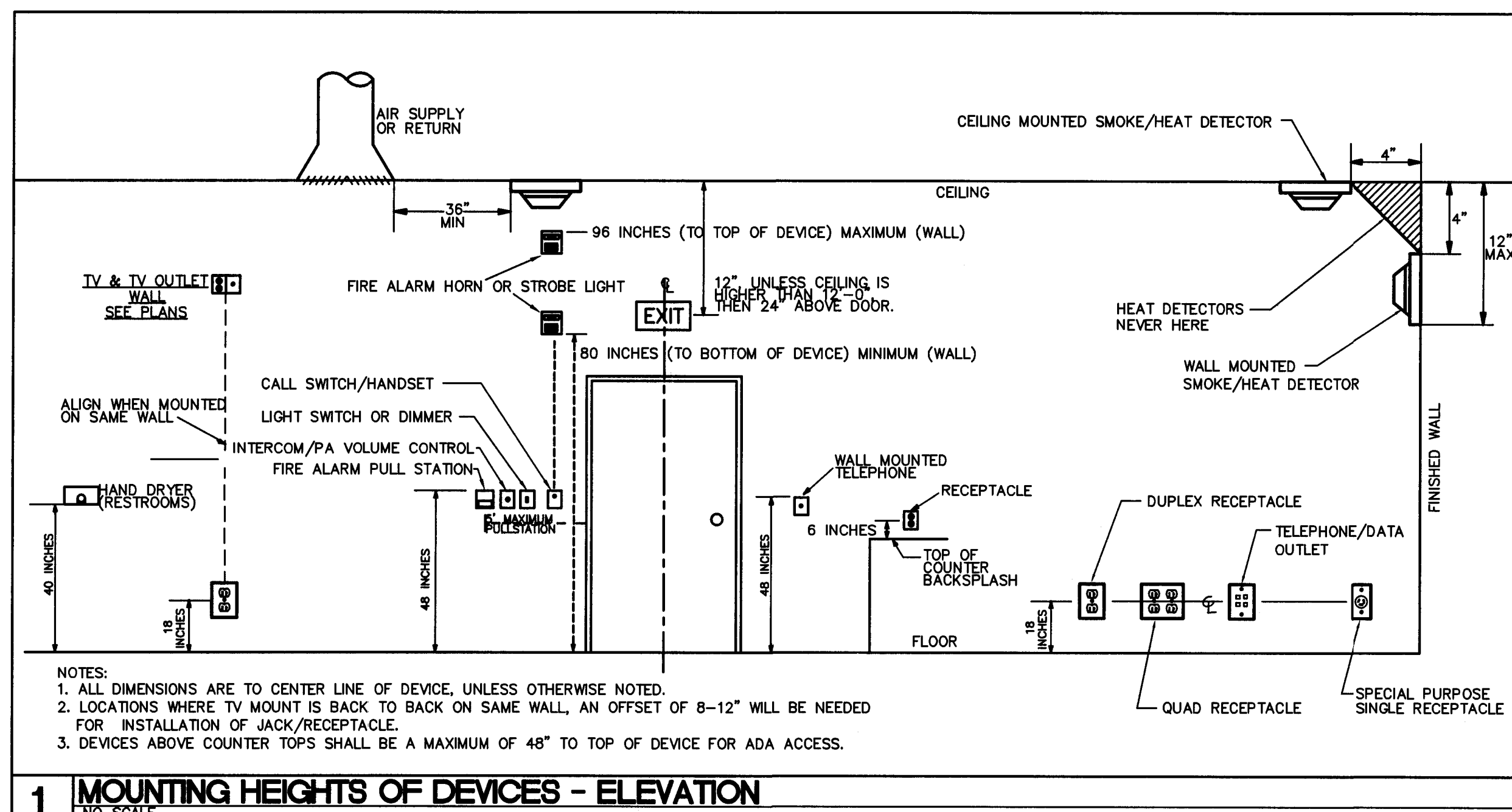
ELECTRICAL PLAN INDEX

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10.03	ELECTRICAL GENERAL NOTES
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10.04A	ALTERNATE POWER RISER DIAGRAM
10.05	ELECTRICAL DETAILS
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10.34	FOURTH FLOOR PLAN - LIGHTING

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.



1 MOUNTING HEIGHTS OF DEVICES - ELEVATION

NO SCALE

Project No.
1390

Date
07-10-2015
Drawn
JCC
Checked
BET
Revisions
ADDENDUM 2, 8-7-15

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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

**ELECTRICAL NOTES,
SYMBOLS AND LEGEND**

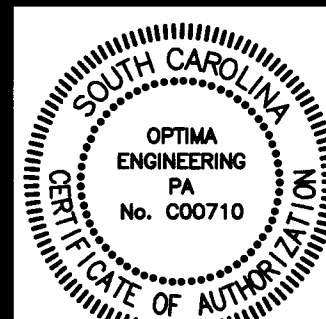
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ELECTRICAL
SPECIFICATIONS

1. GENERAL:

- A. THE WORK COVERED BY THESE SPECIFICATIONS CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SUPPLIES AS NECESSARY FOR THE COMPLETE AND SATISFACTORY OPERATING ELECTRICAL SYSTEMS AS SHOWN ON THE PLANS.
- B. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, NFPA, STATE BUILDING CODE, AND ANY OTHER LOCAL REQUIREMENTS THAT MAY APPLY. CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS, FEES, INSPECTIONS, ETC.
- C. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL ELECTRICAL PERMITS AND INSPECTION FEES.
- D. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, INC. OR BY A STATE APPROVED THIRD PARTY TESTING AGENCY FOR THE USE INTENDED WHERE A STANDARD FOR SUCH MATERIALS AND USE EXISTS. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL AND OF THE SAME MANUFACTURER.
- E. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG DATA IN ELECTRONIC FORMAT (PDF) FOR ALL ELECTRICAL ITEMS IN THE SCOPE OF WORK, INCLUDING, BUT NOT LIMITED TO, RACEWAYS, BOXES, FITTINGS, CONDUCTORS, LUMINAIRES, LAMPS, BALLASTS, WIRING DEVICES, SAFETY SWITCHES, DISCONNECTS, TRANSFORMERS, PANELBOARDS, FIRE ALARM, TELECOMMUNICATIONS, ETC. FOR APPROVAL AS APPLICABLE FOR THE PROJECT. ONE COMPLETE SET OF APPROVED SUBMITTALS SHALL BE MAINTAINED AT THE JOB SITE.
- F. ALL COST ASSOCIATED WITH SUBSTITUTED EQUIPMENT TO COMPLY WITH THE BASIS OF DESIGN, INCLUDING PROVIDING MAINTENANCE ACCESS, CLEARANCE, CONDUIT, WIRING, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, METHODS, ETC., SHALL BE INCLUDED IN THE ORIGINAL BASE BID. NO ADDITIONAL COSTS ASSOCIATED WITH SUBSTITUTED EQUIPMENT WILL BE APPROVED AFTER BIDS HAVE BEEN ACCEPTED AND ALL COSTS WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. CREDITS SHALL BE GIVEN TO THE OWNER WHERE SUCH EQUIPMENT AND METHODS RESULT IN LESS EXPENSE TO THE CONTRACTOR.
- G. ONE COMPLETE SET OF THE LATEST CONSTRUCTION PLANS OF ALL TRADES SHALL BE MAINTAINED AT THE JOB SITE. IN ADDITION, ALL ADDENDUMS, BULLETINS, AND/OR SKETCHES SHALL BE INCORPORATED INTO THE ON-SITE CONSTRUCTION PLANS AS THE JOB PROGRESSES.
- H. COMPLETELY ADEQUATE HOUSING SHALL BE PROVIDED FOR ALL MATERIALS STORED ON JOB SITE. ONLY CONDUIT MAY BE STORED OUTSIDE, BUT NOT IN CONTACT WITH THE GROUND.
- I. THE CONDUIT AND NEUTRAL SYSTEM SHALL BE GROUNDED AT THE MAIN SERVICE EQUIPMENT. GROUNDING ELECTRODE SYSTEM SHALL BE INSTALLED PER NEC 250.
- J. PROVIDE AN INTERSYSTEM BONDING TERMINATION DEVICE AT THE MAIN ELECTRICAL SERVICE PER NEC 250.
- K. WIRING SHALL BE TESTED FOR CONTINUITY AND GROUNDS BEFORE BEING ENERGIZED. FAULTY WIRING SHALL BE REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- L. PROVIDE ALL CUTTING AND PATCHING FOR INSTALLATION OF WORK AND REPAIR ANY DAMAGE DONE.
- M. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS (UNLESS OTHERWISE NOTED), EXCEPT FOR CONTROL WIRING FOR EQUIPMENT NOT PROVIDED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING FOR SUCH EQUIPMENT SHALL BE PROVIDED BY THE RESPECTIVE DISCIPLINE.
- N. ALL ELECTRICAL JUNCTION BOXES, SWITCHGEAR, CABLING, VOICE/DATA OUTLETS, LOW VOLTAGE CABINETS, EMERGENCY RECEPTACLES, ETC. SHALL BE LABELED ACCORDING TO PANEL/RACK AND CIRCUIT NUMBER.
- O. UPON COMPLETION OF WORK, CONTRACTOR SHALL PRESENT ENGINEER WITH CERTIFICATE OF APPROVAL FROM LOCAL INSPECTOR AND/OR AUTHORITY HAVING JURISDICTION BEFORE WORK WILL BE APPROVED FOR FINAL PAYMENT.
- P. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR EFFECTIVE THE DATE THE PROJECT IS ACCEPTED BY THE OWNER. ANY IMPROPER MATERIALS OR WORKMANSHIP SHALL BE REPLACED WITHOUT ADDITIONAL COST TO THE PROJECT. IT SHALL NOT BE THE INTENT OF ISSUED PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL NECESSARY ITEMS FOR A COMPLETE AND OPERATING SYSTEM.
- R. THE WORD "PROVIDE" MEANS THAT THIS CONTRACTOR SHALL FURNISH, FABRICATE, ERECT, CONNECT AND COMPLETELY INSTALL SYSTEMS IN PROPER OPERATING CONDITION. ALL LABOR, PRODUCT OPTIONS, ACCESSORIES AND INCIDENTAL MATERIALS REQUIRED SHALL BE INCLUDED AS PART OF THIS WORK TO COMPLETE THE INSTALLATION.
- S. THE WORD "CONNECT" MEANS THAT THIS CONTRACTOR SHALL PROVIDE (SEE DEFINITION ABOVE) ALL DISCONNECTING MEANS, OVERCURRENT PROTECTION AND WIRING REQUIRED TO PLACE THE EQUIPMENT AND SYSTEMS IN PROPER OPERATING CONDITION AND TO COMPLY WITH CODE REQUIREMENTS.
- T. CONTRACTOR SHALL COORDINATE THE ROUGH-IN OF ALL OUTLET LOCATIONS WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS, AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.
- U. ELECTRICAL CONTRACTOR SHALL NOT SCALE PLANS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, UNLESS OTHERWISE NOTED.
- V. CONTRACTOR SHALL TEST ALL "LIFE SAFETY" EQUIPMENT AND SYSTEMS FOR PROPER FUNCTION AND OPERATION. UPON SUCCESSFUL COMPLETION OF TESTS, CONFIRMATION SHALL BE SENT TO THE ENGINEER OF RECORD IN THE FORM OF A LETTER STATING THE TESTS PERFORMED, THE RESULTS, AND THE DATE TESTS WERE SUCCESSFULLY COMPLETE. "LIFE SAFETY" EQUIPMENT AND SYSTEMS CONSIST OF THOSE AS SPECIFIED IN THE STATE BUILDING CODE, THE NATIONAL ELECTRICAL CODE (NEC), NFPA 101, AND ANY OTHER LOCAL REQUIREMENTS THAT MAY APPLY.
- W. IF DURING THE COURSE OF WORK, THE CONTRACTOR DISCOVERS A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS AND SPECIFICATIONS, THE NEC, OR OTHER CODES OR REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK.
- X. WHERE THERE ARE CONFLICTS BETWEEN THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL BRING THE ISSUE TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK OR ORDERING ANY MATERIALS. NO ADDITIONAL COSTS SHALL BE WARRANTED WITHOUT A CHANGE TO THE PROJECT SCOPE.
- Y. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PROVIDING TEMPORARY POWER AND LIGHTING FOR ALL TRADES. AT NO TIME SHALL EXISTING BUILDING POWER SYSTEMS BE UTILIZED WITHOUT WRITTEN PERMISSION FROM THE OWNER.
- Z. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL SERVICE WITH THE POWER COMPANY. WHERE MORE THAN ONE SERVICE IS SUPPLIED TO A BUILDING, PROVIDE IDENTIFICATION AT EACH SERVICE PER NEC 230-2(E).
- AA. COORDINATE LOCATION AND REQUIREMENTS FOR TELEPHONE SERVICE WITH THE TELEPHONE COMPANY.
- AB. EACH BIDDER SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND TO ASCERTAIN THE EXTENT OF WORK REQUIRED. FAILURE TO VISIT SITE SHALL NOT EXCUSE CONTRACTOR FROM PERFORMING REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.

2. RACEWAY:

- A. CONDUIT SHALL BE MANUFACTURED BY ALLIED, WHEATLAND, REPUBLIC CONDUIT, WESTERN TUBE, OR APPROVED EQUIVALENT.
- B. FOR INTERIOR WORK, CONDUIT SHALL BE ZINC COATED EMT EXCEPT WHERE NOT PERMITTED BY CODE. USE SCHEDULE 40 PVC BELOW CONCRETE SLAB, IN DUCTBANKS, AND FOR EXTERIOR WORK WHERE NOT SUBJECT TO DAMAGE. USE IMC WHERE SUBJECT TO PHYSICAL DAMAGE.
- C. EMT FITTINGS SHALL BE COMPRESSION GLAND TYPE, OF MALLEABLE STEEL. CONNECTORS SHALL HAVE INSULATED THROATS. CAST, SET SCREW, OR INDENTER TYPE FITTINGS ARE NOT ACCEPTABLE. ALL FITTINGS FOR EMT SHALL BE MADE OF STEEL.
- D. ALL RACEWAY SHALL BE RUN CONGEALED, UNLESS OTHERWISE NOTED. FISH ALL NEW OUTLETS IN EXISTING WALLS, WHERE POSSIBLE. ALL RUNS SHALL BE NEAT AND SQUARE.
- E. LOW VOLTAGE CABLING NOT SPECIFIED TO BE INSTALLED IN CONDUIT, SHALL BE INSTALLED IN A CABLE TRAY SYSTEM OR J-HOOK SYSTEM CONSISTING OF MINIMUM 2" DIAMETER HOOKS LOCATED ON 3" CENTERS IN ALL ACCESSIBLE CEILINGS. WHERE THERE ARE INACCESSIBLE CEILINGS, PROVIDE CONDUIT FOR ENTIRE LENGTH OF INACCESSIBILITY.
- F. RACEWAYS USED FOR LOW VOLTAGE SYSTEMS SUCH AS TELECOMMUNICATIONS, FIRE ALARM, SECURITY, CCTV, CONTROLS, AND SIMILAR CONDUITS ABOVE THE CEILING AND BACKBOARDS(S) SHALL BE PROVIDED WITH INSULATED THRU BUSHINGS AT EACH CONDUIT TERMINATION. THESE BUSHINGS SHALL BE INSTALLED PRIOR TO PULLING LOW-VOLTAGE CABLES.
- G. RACEWAY PENETRATIONS THROUGH FLOOR SLABS AND FIRE-RATED WALLS SHALL BE FILLED WITH IMPERVIOUS, FIRE-RESISTANT GROUT TIGHT TO PREVENT THE TRANSFER OF SMOKE, WATER, AND DUST. ROOF PENETRATIONS SHALL BE WITHIN THE EQUIPMENT ROOF CURB.
- H. SUPPORT ALL CONDUIT WITH STRAPS AND CLAMPS.
- I. ALL CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES, WHETHER EXPOSED OR NOT AND SUPPORTED FROM STRUCTURE AND PROPERLY SECURED.
- J. WHERE CONDUITS PASS THROUGH A BUILDING EXPANSION JOINT, PROVIDE GALVANIZED EXPANSION FITTINGS WITH BOLLING JUMPERS.
- K. MINIMUM CONDUIT SIZE SHALL BE 1/2" FOR INTERIOR WORK, 1" FOR EXTERIOR WORK.
- L. PROVIDE MINIMUM 210# TEST NYLON PULL CORD AND NYLON BUSHINGS IN ALL EMPTY RACEWAYS.
- M. LIQUID-TIGHT METAL CONDUIT SHALL ONLY BE USED FOR FINAL CONNECTIONS TO EQUIPMENT AND ALL OTHER ROTATING AND VIBRATING EQUIPMENT, MAXIMUM LENGTH OF 3'-0".
- N. FLEXIBLE METAL CONDUIT, MINIMUM SIZE 3/8", SHALL ONLY BE USED FOR FINAL CONNECTION TO LIGHTING FIXTURES, MAXIMUM LENGTH OF 6'-0".
- O. PROVIDE PULL BOXES, SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF

- 360°. PULL BOXES SHALL BE SUITABLE AND APPROVED FOR THE INTENDED USE. WHERE CONDUITS PASS UNDER PAVED AREAS, THEY SHALL BE RGS.
- P. ALL CONDUIT BENDS/ELBOWS EMERGING FROM UNDERGROUND SHALL BE IMC AND SHALL EXTEND A MINIMUM OF 18" BELOW GRADE.
- Q. ALL UNDERGROUND RACEWAYS SHALL BE THOROUGHLY COATED WITH TWO COATS OF ASPHALTIC BITUMASTAR.
- R. ALL CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SHALL HAVE JOINTS MADE WATERTIGHT BY USE OF POLYETRA-FLUOROETHYLENE TAPE.
- S. MC CABLE MAY ONLY BE USED WHERE PERMITTED BY CODE AND IT SHALL ONLY BE ALLOWED WHERE CONCEALED BEHIND HARD WALLS AND HARD CEILINGS. MC CABLE SHALL NOT BE EXPOSED IN PUBLIC AREAS.

3. OUTLET BOXES:

- A. JUNCTION AND PULL BOXES SHALL BE CODE GAUGE GALVANIZED STEEL. ACCEPTED MANUFACTURERS SHALL BE STEEL CITY (THOMAS & BETTS), RACO, CROUSE-HINDS, APPLETON (EMERSON), OR APPROVED EQUIVALENT.
- B. OUTLET BOXES SHALL NOT BE MOUNTED BACK TO BACK IN COMMON WALLS.
- C. ATTACH EMT WITH CONNECTORS HAVING INSULATED THROAT.
- D. ATTACH BOXES TO STUD WORK USING CADDY BAR STRAPS THAT CONNECT TO TWO ADJACENT STUDS TO PREVENT TWISTING OF BOX IN WALL.
- E. ALL OUTLET BOXES (INCLUDING TELEPHONE, CABLE TV, AND COMPUTER) SHALL HAVE COVER PLATES, BLANK IF NOT USED.
- F. ALL EXTERIOR BOXES SHALL BE WATER-TIGHT.

4. CONDUCTORS:

- A. CONDUCTORS SHALL BE MANUFACTURED BY SOUTHWIRE (SIMPULL), ENCORE (SUPERSLUICK), UNITED COPPER (SLK), CERRO (SLP), OR APPROVED EQUAL, "PRE-LUBRICATED" BY THE MANUFACTURER.
- B. ALL CONDUCTORS SHALL BE COPPER, RATED 75° C WET/DRY EXCEPT WHERE OTHERWISE NOTED OR REQUIRED BY OTHER CODES.
- C. ALL CONDUCTORS SHALL BE SINGLE INSULATED CONDUCTOR, THHN/THWN-2. SIZES #10 AWG AND SMALLER SHALL BE SOLID, SIZES #8 AWG AND LARGER SHALL BE STRANDED.
- D. BRANCH CIRCUITS SHALL NOT BE SMALLER THAN #12 AWG. CONTROL WIRING MAY BE #14 AWG.
- E. CONDUCTORS SHALL BE COLOR CODED BLACK/RED/BLUE FOR 120/208 VOLT SYSTEMS AND BROWN/ORANGE/YELLOW FOR 277/480 VOLT SYSTEMS FOR A, B, AND C PHASES, RESPECTIVELY. NEUTRAL SHALL BE WHITE FOR 120/208 VOLT SYSTEMS AND NATURAL GRAY FOR 277/480 VOLT SYSTEMS. GROUND CONDUCTOR SHALL BE GREEN ON ALL SYSTEMS. ALL CONDUCTORS INSTALLED IN VERTICAL RACEWAYS SHALL NOT BE ALLOWED TO BE COLORED TAPE ON LARGER WIRE SIZES SHALL NOT BE ALLOWED.
- F. INSULATION SHALL BE DUAL RATED TYPE THHN/THWN-2 FOR FEEDERS AND BRANCH CIRCUITS. FIXTURE TAPS SHALL BE #12 THHN/THWN-2 IN FLEX WITH GREEN #12 AWG GROUNDING CONDUCTOR.
- G. ALL CONDUCTORS SHALL BE IN CONDUIT.
- H. WIRING TO LIGHTING FIXTURES SHALL BE AS REQUIRED BY UL LABEL.
- I. MULTI-WIRE BRANCH CIRCUITS SHALL NOT BE ALLOWED, UNLESS EXPLICITLY INDICATED ON THE DRAWINGS. WHERE EXPLICITLY INDICATED ON THE DRAWINGS:
- 1) ALL 20A MULTI-WIRE RECEPTACLE CIRCUITS SHALL UTILIZE A #10 AWG NEUTRAL CONDUCTOR.
 - 2) ONLY WHERE PERMITTED UNDER "RACEWAYS", MC CABLE ASSEMBLIES CAN BE AFC SUPER NEUTRAL OR EQUAL, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. WHERE MULTI-WIRE BRANCH CIRCUITS ARE EXPLICITLY INDICATED ON THE DRAWINGS, THEY SHALL BE INSTALLED PER NEC 210.4. MEANS SHALL BE PROVIDED TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES IN ADDITION TO OTHER REQUIREMENTS PER NEC 210.4.
- J. JOINTS IN #10 AWG AND SMALLER SHALL BE MADE UP WITH CRIMPED CONNECTORS WITH INSULATING CAPS (NO TAPE) OR WRENUTS (MAXIMUM OF 3 CONDUCTORS UNDER ANY CONNECTOR OR WRENUT). LARGER WIRE SHALL USE SPLIT BOLTS OR BOLTED CLAMPS.
- K. ALL WIRING/LIGHTING SHALL BE OUT OF THE PROJECT, INCLUDING, BUT NOT LIMITED TO, BREAKERS, PANELBOARD/SWITCHBOARD LUGS, SAFETY SWITCH LUGS, MOTOR STARTER LUGS, TRANSFORMERS LUGS, WIRING DEVICE TERMINALS, AND ALL EQUIPMENT LUGS/TERMINALS SHALL BE RATED FOR USE WITH 75 DEGREE INSULATED CONDUCTORS AT THEIR 75 DEGREE AMPERATURE AND SHALL BE SIZED TO MATCH THE CONDUCTOR SIZE.
- L. CIRCUIT JOINTS SHALL NOT BE MADE ON DEVICE TERMINALS.
- M. WIRE WITHIN PANELBOARDS SHALL BE NEATLY TRAINED, SQUARED, BUNCHED, AND TAGGED.
- N. ALL SYSTEM FURNITURE CONNECTIONS SHALL COMPLY WITH NEC 605.
- O. GROUND ALL CONDUCTORS INSTALLED IN VERTICAL RACEWAYS SHALL BE SUPPORTED AT INTERVALS AS REQUIRED PER NEC 300-19.
- Q. THE ELECTRICAL CONTRACTOR SHALL FOLLOW AND APPLY THE TABLE BELOW, REGARDLESS WHAT THE PANEL SCHEDULE INDICATES, FOR SIZING ALL 120V & 277V, 20 AMP BRANCH CIRCUITS (COPPER CONDUCTORS) TO ALLOW A MAXIMUM OF 3% VOLTAGE DROP FROM THE CIRCUIT BREAKER TO THE FIRST DEVICE ON THE BRANCH CIRCUIT AND ACHIEVE A MAXIMUM OF 5% VOLTAGE DROP ACROSS THE ENTIRE BRANCH CIRCUIT:

VOLTAGE	CONDUCTOR LENGTH ±	BRANCH CIRCUIT
120	0' - 50'	#12
120	51' - 90'	#10
120	91' - 140'	#8
120	141' - 225'	#6
277	0' - 125'	#12
277	126' - 200'	#10
277	201' - 330'	#8
277	331' - 525'	#6

- * - THE LENGTH IS MEASURED FROM THE CIRCUIT BREAKER TO THE FIRST DEVICE WHICH THE BRANCH CIRCUIT SERVES. WHERE THE DISTANCE EXCEEDS ABOVE, CONSULT WITH THE ENGINEER.

5. WIRING DEVICES:

- A. WIRING DEVICES SHALL BE SPECIFICATION GRADE, MINIMUM, EQUAL TO COOPER QUALITY INDICATED BELOW OR AS MANUFACTURED BY HUBBELL, LEGRAND-PASS & SEYMOUR, LEVITON, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED:

SWITCHES (120/277V) SHALL BE AS FOLLOWS:

SINGLE-POLE 20 AMP	COOPER AH1221
DOUBLE-POLE 20 AMP	COOPER AH1222
THREE-WAY 20 AMP	COOPER AH1223
FOUR-WAY 20 AMP	COOPER AH1224

DUPLEX RECEPTACLES SHALL BE AS FOLLOWS:

20 AMP DUPLEX	COOPER 5352
20 AMP DUPLEX GFCI	COOPER V6GF0F

THE PART NUMBERS ABOVE ARE FOR WIRING DEVICE TYPE ONLY. SEE BELOW FOR WIRING DEVICE COLOR AND PLATE MATERIAL/COLOR.

- B. SEE MOUNTING HEIGHT ELEVATION DETAIL FOR STANDARD MOUNTING HEIGHTS OF ALL DEVICES, UNLESS OTHERWISE NOTED.
- C. THE COLOR OF ALL WIRING DEVICES (SWITCHES AND RECEPTACLES) SHALL BE AS DIRECTED BY THE ARCHITECT, UNLESS OTHERWISE NOTED. COVER PLATES SHALL BE 302 STAINLESS STEEL. COVER PLATES IN MASONRY WALLS SHALL BE JUMBO SIZE.
- D. EACH DUPLEX RECEPTACLE INDICATED TO BE ON A DEDICATED CIRCUIT SHALL BE 20 AMP TYPE.
- E. ADJACENT DEVICES SHALL HAVE A COMMON WALL PLATE.
- F. WEATHERPROOF COVERS SHALL BE "WHILE-IN-USE" SO PLUGS MAY BE INSTALLED WITHOUT COMPROMISING THE WP FUNCTION. COOPER #WU-2 DOUBLE-GANG WITH CLEAR COVER OR APPROVED EQUAL.
- G. A MAXIMUM OF 10 GENERAL PURPOSE RECEPTACLES SHALL BE ON EACH BRANCH CIRCUIT.
- H. DIMMERS SHALL BE LINEAR SLIDE, PRESENT ON/OFF, SQUARE LAW DIMMING, W/RFI FILTERING AND VOLTAGE COMPENSATION CIRCUITING.
- I. ALL WALL MOUNTED OCCUPANCY/VACANCY SENSORS/SWITCHES SHALL BE INSTALLED WITH AN EQUIPMENT GROUNDING CONDUCTOR.
- J. GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL SHALL BE PROVIDED IN ALL LOCATIONS PER NEC 210.8. WHERE A DEVICE LOCATION IS NOT ACCESSIBLE, THE GFCI PROTECTION SHALL BE PROVIDED WITH THE BREAKER SERVING THE DEVICE.

6. SUPPORTS:

- A. ALL EQUIPMENT SHALL BE ADEQUATELY SUPPORTED FROM STRUCTURE.
- B. INSERTS IN MASONRY SHALL BE LEAD OR FIBER IN DRILLED HOLES, OR CAST IN PLACE.
- C. NAILS OR POWDER ACTUATED FASTENERS SHALL NOT BE USED.
- D. EMT/IMC/RGS SUPPORTS SHALL BE A MAXIMUM OF 8'-0" APART AND A MINIMUM OF 3'-0" FROM BOXES.
- E. LIGHTING FIXTURES MOUNTED IN OR ON CEILING SHALL BE SUPPORTED FROM STRUCTURE VIA 12 GAUGE STEEL WIRE. PROVIDE A MINIMUM OF FOUR WIRES, ONE ATTACHED TO EACH CORNER OF LAY-IN FIXTURES. RECESSED DOWNLIGHT FIXTURES SHALL BE SUPPORTED THE SAME. DO NOT SUPPORT RACEWAY OR FIXTURES FROM CEILING GRID OR DUCT WORK. USE U.L. LISTED GRID CLIPS ON ALL LAY-IN FIXTURES.

7. PAINTING:

- A. SUITABLE FINISH COAT SHALL BE PROVIDED FOR ALL EQUIPMENT. PANEL TUBS, COVERS, ETC. SHALL BE PRIMED AND ENAMELED TO BLEND WITH ADJACENT SURFACES, OR SHALL BE MANUFACTURER'S STANDARD COLOR BAKED ENAMEL FINISH, OR AS DIRECTED BY THE ARCHITECT.

8. TELECOMMUNICATIONS:

- A. FURNISH A COMPLETE TELEPHONE CONDUIT SYSTEM AS INDICATED ON THE DRAWINGS.
- B. TELECOMMUNICATION OUTLETS SHALL CONSIST OF A 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING. PROVIDE BLANK PLATE WITH KNOCKOUTS FOR OUTLETS, AS PERMANENT COVERS WILL BE PROVIDED BY A SEPARATE INSTALLER.
- C. PROVIDE MINIMUM 1" RACEWAY, UNLESS OTHERWISE NOTED, FROM EACH BOX TO ABOVE NEAREST ACCESSIBLE CEILING SPACE OR CABLE TRAY AS APPLICABLE. PROVIDE MINIMUM 210# TEST NYLON PULL CORD AND NYLON BUSHINGS IN ALL EMPTY RACEWAYS.
- D. PROVIDE RACEWAYS FOR ALL EXTERIOR AND/OR EXPOSED LOCATIONS.
- E. PROVIDE GROUNDING FOR ALL TELEPHONE/DATA SYSTEMS AND EQUIPMENT PER REQUIREMENTS AND SPECIFICATIONS PROVIDED BY THE OWNERS DESIGNATED VENDOR.
- F. ALL LOW-VOLTAGE CABLING SHALL BE PENUM-RATED.
- G. CONTRACTOR SHALL FURNISH AND INSTALL A #6 AWG GREEN INSULATED COPPER WIRE IN CONDUIT FROM THE MAIN ELECTRICAL GROUNDING BAR TO TELECOMMUNICATIONS GROUNDING BUS BAR.
- H. PROVIDE MOUNTING BACKBOARDS FOR COMMUNICATIONS EQUIPMENT. BACKBOARDS SHALL BE OF 3/4" TYPE AC, EXTERIOR PLYWOOD, PAINTED BOTH SIDES AND ALL EDGES WITH 2 COATS OF GRAY PLANK RETARDANT PAINT.
- I. VERIFY SITE LOCATION OF TELEPHONE SERVICES WITH APPROPRIATE VENDOR, PRIOR TO SUBMITTING BID. TELEPHONE SERVICE CONDUITS SHALL BE PROVIDED TO THE PROPERTY LINE OR POINT AS DIRECTED BY THE LOCAL UTILITY.
- J. PATHWAYS ONLY ARE SHOWN FOR THE BACKBONE DISTRIBUTION SYSTEMS TO ALL TELECOMMUNICATION ROOMS AND/OR ENCLOSURES. BACKBONE MEDIA CONNECTIONS BETWEEN THE BACKBONE AND HORIZONTAL DISTRIBUTION SYSTEMS AND TELECOMMUNICATIONS EQUIPMENT ARE NOT WITHIN THE SCOPE OF THESE DOCUMENTS.

9. LIGHTING FIXTURES:

- A. TYPES AND MANUFACTURERS ARE SCHEDULED ON THE PLANS. EQUIVALENT FIXTURES BY OTHERS MAY BE SUBMITTED, BUT MUST BE INDICATED ON THE PLANS AND ARE SUBJECT TO THE APPROVAL OF THE OWNER AND ENGINEER.
- B. ALL FIXTURES SHALL BE U.L. LISTED AND LABELED.
- C. LAMPS SHALL BE GENERAL ELECTRIC, PHILIPS, OR OSRAM/SYLVANIA EXCEPT WHERE OTHERWISE STATED IN THE LIGHTING FIXTURE SCHEDULE OR OTHERWISE NOTED. ALL FIXTURES SHALL BE EQUIPPED WITH LAMPS.
- D. BALLASTS SHALL BE AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE OR AS OTHERWISE NOTED.
- E. ALL FIXTURES SHALL BE PROVIDED FOR PROPER VOLTAGE BASED ON THE CIRCUIT ASSIGNMENT INDICATED ON THE PLANS.
- F. CATALOG NUMBERS ARE FOR GENERAL IDENTIFICATION OF FIXTURES ONLY. ALL RELATED PARTS, SUCH AS PLASTER RINGS, JUNCTION BOXES, LOUVERS, SHIELDS, MOUNTING STEMS, CHIMES, CONNECTORS, STRAPS, NIPPLES, HARDWARE, ACCESSORIES, ETC., TO FIT THEM PROPERLY TO THE CONSTRUCTION, SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTRACTOR SHALL PROVIDE SUITABLE TRIM AND APPURTENANCES TO MOUNT FIXTURES IN TYPE OF CEILING OR WALL AS SPECIFIED IN ARCHITECTURAL FINISH SCHEDULES REGARDLESS OF CATALOG NUMBER GIVEN.
- G. ALL FIXTURES SHALL BE GROUNDED PER THE NEC.
- H. FIXTURES CONNECTED WITH FLEX TO THE RIGID RACEWAY PORTION OF THE WIRING SYSTEM SHALL CARRY A GREEN BONDING JUMPER WITHIN THE FLEX. THE JUMPER SHALL BE FASTENED TO BOTH THE FIXTURE AND THE RACEWAY WITH A STEEL CITY "G" CLIP OR APPROVED EQUIVALENT. PHASE AND GROUND CONDUCTORS RUN IN FLEX SHALL BE #12 AWG MINIMUM. MAXIMUM FLEX LENGTH SHALL BE 6'-0".
- I. SURFACE-MOUNTED FLUORESCENT FIXTURES INSTALLED ON COMBUSTIBLE MATERIAL SHALL BE MOUNTED AT LEAST 1/4" FROM THE SURFACE OF THE MATERIAL, EXCEPT FOR FIXTURES WHICH ARE PLAINLY MARKED AS U.L. APPROVED FOR MOUNTING DIRECTLY TO SUCH SURFACES.
- J. MOUNT ALL FIXTURES PLUMB AND SQUARE WITH ROWS ALIGNED.
- K. FLUORESCENT LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVED IN PLACE SHALL HAVE A DISCONNECT MEANS WITHIN INTEGRAL OR EXTERNAL TO EACH LUMINAIRE PER NEC 410.130(G).
- L. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF FIXTURES.
- M. CONTRACTOR SHALL COORDINATE FIXTURE TYPE AND TRIM WITH CEILING CONSTRUCTION AND ADJUST ACCORDINGLY WITHOUT ADDITIONAL EXPENSE.
- N. ALL LIGHTING FIXTURES SHALL BE THERMALLY PROTECTED PER THE NEC.
- O. FIXTURES IN CONTACT WITH INSULATION SHALL BE IC RATED.

10. LIGHTING CONTROLS:

- A. FURNISH AND INSTALL WHERE SHOWN AN ELECTRONIC TIME CONTROLLER AS MANUFACTURED BY TORK (NS), PARAGON, INTERMATIC, OR APPROVED EQUAL. CONTACTS SHALL BE SPST OR AS INDICATED, RATED 120/277V AT 20A BALLAST LOAD, AND MINIMUM 30,000 SWITCHING CYCLES. PROVIDE WITH THE NUMBER OF CHANNELS INDICATED (MINIMUM 2 CHANNELS) OR AS REQUIRED TO MEET THE INTENT OF THE DRAWINGS. EACH CHANNEL SHALL BE INDIVIDUALLY PROGRAMMABLE WITH 128 ON-OFF OPERATIONS PER WEEK PLUS FOUR SEASONAL SCHEDULES. THE BASIC PROGRAM SHALL BE THE WEEKLY SCHEDULE THAT OVERRIDES THE WEEKLY OPERATION. THE CONTROLLER SHALL BE PROVIDED WITH A PHOTOELECTRIC SENSOR, ASTRONOMIC DIAL, AND A BATTERY BACKED-UP, NON-VOLITILE MEMORY FOR SCHEDULES AND TIME CLOCK.
- B. LIGHTING CONTACTORS SHALL SWITCH LOADS AT THE VOLTAGE AND AMPERE RATING INDICATED AND SHALL HAVE THE NUMBER OF POLES INDICATED ON THE DRAWINGS OR AS REQUIRED. THE CONTACTOR AND CONTACTS SHALL BE CONTINUOUSLY RATED FOR THE LOAD SERVED, INCLUDING TUNGSTEN FILAMENT, INDUCTIVE, AND HIGH-INRUSH BALLAST LOADS.
- C. ALL LIGHTING CONTACTORS SHALL BE ELECTRICALLY HELD AND BE INSTALLED IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE NOTED.

11. EQUIPMENT IDENTIFICATION:

- A. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT, INCLUDING BUT NOT LIMITED TO, WIRING TROUGHS, SAFETY SWITCHES, DISCONNECTS, TRANSFORMERS, PANELBOARDS, ETC. NAMEPLATE SHALL INDICATE THE DEVICE NAME, SYSTEM VOLTAGE (VOLTAGE/PHASE/WIRE), AND UPSTREAM DEVICE AND CIRCUIT. PROVIDE NAMEPLATES FOR CIRCUIT BREAKERS IN SWITCHGEARS, SWITCHBOARDS AND DISTRIBUTION PANELS.
- B. NAMEPLATE COLORS SHALL BE AS FOLLOWS:
- | | |
|--------------------|------------------------------------|
| 120/208V EQUIPMENT | BLUE SURFACE WITH WHITE CORE |
| 277/480V EQUIPMENT | BLACK SURFACE WITH WHITE CORE |
| EMERGENCY SYSTEMS | GREEN SURFACE WITH WHITE CORE |
| FIRE ALARM SYSTEMS | BRIGHT RED SURFACE WITH WHITE CORE |
| SECURITY SYSTEMS | BURGUNDY SURFACE WITH WHITE CORE |
| TELEPHONE SYSTEMS | ORANGE SURFACE WITH WHITE CORE |
| DATA SYSTEMS | BROWN SURFACE WITH WHITE CORE |
| TV SYSTEMS | PURPLE SURFACE WITH WHITE CORE |
| PAGING SYSTEMS | WHITE SURFACE WITH BLACK CORE |
- C. NAMEPLATES UP TO 8 SQUARE INCHES SHALL NOT BE LESS THAN 1/16" THICK. NAMEPLATES LARGER THAN 8 SQUARE INCHES SHALL NOT BE LESS THAN 1/8" THICK.
- D. LETTERING HEIGHT SHALL BE 1/2" MINIMUM.
- E. NAMEPLATES SHALL BE ATTACHED WITH SELF-DRILLING/SELF-TAPPING SCREWS, EXCEPT RIVETS SHALL BE USED WHERE END OF SCREW IS NOT PROTECTED. QUANTITY AS FOLLOWS:
- | | |
|-------------------------|-----------|
| UP TO 5 SQUARE INCHES: | 2 SCREWS. |
| 5 TO 12 SQUARE INCHES: | 4 SCREWS. |
| ABOVE 12 SQUARE INCHES: | 6 SCREWS. |

12. DISCONNECTS:

- A. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE IN NEMA 1 ENCLOSURES, UNLESS OTHERWISE NOTED, FUSED OR NON-FUSED AS INDICATED. SWITCHES SHALL HAVE REJECTION-TYPE FUSE CLIPS. SWITCHES SHALL BE BY EATON, SQUARE-D, GENERAL ELECTRIC, OR APPROVED EQUAL.

- B. FUSES LESS THAN 60A SHALL BE CLASS RK5, DUAL-ELEMENT, TIME-DELAY WITH INDICATION.
- C. FUSES GREATER THAN 60A SHALL BE CLASS J, DUAL-ELEMENT, TIME-DELAY WITH INDICATION.
- D. A SET OF 3 SPARE FUSES OF EACH SIZE AND TYPE SHALL BE FURNISHED TO THE OWNER.

13. PANELBOARDS:

- A. PANELBOARDS SHALL BE PROVIDED AS MANUFACTURED BY EATON, SQUARE-D, GENERAL ELECTRIC, OR APPROVED EQUAL. ALL NEW EQUIPMENT FOR THE PROJECT SHALL BE BY THE SAME MANUFACTURER.
- B. ALL BUSSING, INCLUDING NEUTRAL AND GROUND, SHALL BE COPPER.
- C. ALL BREAKERS SHALL BE AUTOMATIC THERMAL-MAGNETIC TYPE MOLDED CASE BOLT-ON TYPE, CALIBRATED FOR 40 DEGREE C, OR AMBIENT COMPENSATION, UNLESS OTHERWISE NOTED.
- D. PANELS SHALL BE FULLY RATED (AIC), NO SERIES AIC RATINGS ARE ALLOWED.
- E. PANELS SHALL HAVE FULL SIZE EQUIPMENT GROUNDING BARS AND NEUTRAL BARS, EXCEPT WHERE INDICATED TO BE 200%. ALL PANELBOARD AND BREAKER LUGS SHALL BE SIZED AND RATED PER THE CONDUCTOR SIZE AND MATERIAL.
- G. LIGHTING AND APPLIANCE PANELS (100A-600A) SHALL HAVE FRONT ACCESSIBLE HINGED DOOR-IN-DOOR COVERS WITH DEAD FRONT, SHALL BE 20" WIDE MINIMUM WITH MINIMUM 4" WIDE WIRING CUTTERS.
- H. DISTRIBUTION PANELS (600A-1200A) SHALL HAVE FRONT ACCESSIBLE DEAD FRONT COVERS.
- I. PROVIDE HANDLE LOCK-ON DEVICES FOR ALL CIRCUIT BREAKERS CONNECTED TO EMERGENCY, EXIT, NIGHT LIGHTING, FIRE ALARM, TELEPHONE BARS, AND SECURITY SYSTEMS.
- J. BREAKERS USED FOR SWITCHING SHALL BE SWITCHING DUTY (SWD) RATED.
- K. BREAKERS USED FOR HEATING, AIR-CONDITIONING AND/OR REFRIGERATION SHALL BE HACR RATED.
- L. GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL SHALL BE PROVIDED IN ALL LOCATIONS PER NEC 210.8. WHERE A DEVICE LOCATION IS NOT ACCESSIBLE, THE GFCI PROTECTION SHALL BE PROVIDED WITH THE BREAKER SERVING THE DEVICE.
- M. BREAKERS WITH ARC-FAULT CIRCUIT-INTERRUPTER (AFCI) PROTECTION SHALL BE INSTALLED FOR ALL 120V, 15A AND 20A BRANCH CIRCUITS IN DWELLING UNITS AS DEFINED BY THE NEC (EXCLUDES KITCHENS, BATHROOMS, UNFINISHED BASEMENTS, GARAGES, AND OUTDOOR LOCATIONS). GUEST ROOMS/SUITES WITH PERMANENT PROVISIONS FOR COOKING SHALL BE CONSIDERED A DWELLING UNIT. STUDENT HOUSING UNITS SHALL BE CONSIDERED A DWELLING UNIT.
- N. ALL OVERCURRENT DEVICES WHICH COMPRISE THE EMERGENCY SYSTEM OR LEGALLY REQUIRED STANDBY SYSTEM SHALL BE SELECTIVELY COORDINATED. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MANUFACTURER DOCUMENTATION INDICATING COMPLIANCE WITH THE SELECTIVE COORDINATION REQUIREMENTS PER THE NEC.

COORDINATION DRAWINGS

THE GENERAL CONTRACTOR SHALL ORGANIZE COORDINATION MEETINGS TO DEVELOP A SET OF DRAWINGS WITH ALL CONTRACTORS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, IT/DATA, AND GENERAL CONTRACTOR). THE GENERAL CONTRACTOR WILL HAVE THE LEAD RESPONSIBILITY FOR THE COORDINATION DRAWINGS. THE GENERAL CONTRACTOR SHALL PRODUCE THE ORIGINAL DRAWINGS AND FORWARD THE DRAWINGS AND SOFTWARE FILES TO EACH OF THE OTHER CONTRACTORS FOR THEM TO ADD THEIR SYSTEMS AND DIMENSIONS TO THIS SET OF COORDINATION DRAWINGS. THE CONTRACTORS WILL DEVELOP THE DRAWINGS IN THIS ORDER: MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, IT/DATA (INCLUDING CABLE TRAY) AND GENERAL. THIS ORDER SHALL ALSO BE THE ORDER OF PRECEDENCE FOR INSTALLATION OF SYSTEMS. EQUIPMENT MAINTENANCE CLEARANCES SHALL BE INCLUDED AND OBSERVED ON DRAWINGS. ANY RELOCATION OF SYSTEM ROUTINGS WILL BE FOUND IN THE COORDINATION PHASE AND NOTICED BY EACH OF THE CONTRACTORS. THESE DRAWINGS, WHEN COMPLETED, SHALL BE SIGNED OFF BY ALL OF THE ABOVE LISTED PARTIES. DRAWINGS SHALL BE COMPLETED PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK AND PIPING SYSTEMS, OR PURCHASE OF EQUIPMENT. SUBCONTRACTORS SHALL ATTEND ALL MEETINGS PER THE SCHEDULE CREATED BY THE GENERAL CONTRACTOR. THE FOLLOWING ITEMS REPRESENT THE MINIMUM REQUIREMENTS FOR SHOP DRAWINGS AND COORDINATION DRAWINGS:

1. ALL SHOP AND COORDINATION DRAWINGS WILL BE 1/4"= 1'-0" SCALE
2. DRAWINGS WILL BE ORIGINAL DRAWINGS AND NOT OVERLAYS OF THE CONTRACT/DESIGN DRAWINGS
3. COORDINATION DRAWINGS WILL BE DRAWN ON REPRODUCIBLE MATERIAL 48"x36"
4. COORDINATION DRAWINGS ARE NOT SHOP DRAWINGS AND ARE REQUIRED IN ADDITION TO SHOP DRAWINGS.
5. ONCE THE COMPLETE COORDINATION DRAWINGS HAVE BEEN COMPILED, THE GENERAL CONTRACTOR WILL DISTRIBUTE ONE SIGNED SET TO EACH OF THE FOLLOWING CONTRACTORS: MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION. ADDITIONAL SETS WILL BE SENT TO THE OWNER, ARCHITECT, AND ENGINEER.

NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

1. GENERAL:

14. FIRE ALARM SYSTEM:

- A. SYSTEM SHALL BE A CENTRALIZED, ADDRESSABLE, FULLY ELECTRONICALLY SUPERVISED (INCLUDING AUXILIARY SYSTEMS INTERCONNECT WIRING) SYSTEM LISTED BY UL IN COMPLIANCE WITH ALL APPLICABLE NFPA 72 AND OTHER STANDARDS AS WELL AS THE AMERICAN'S WITH DISABILITIES ACT (ADA). ALL FINAL CONNECTIONS, TESTING AND ADJUSTMENTS SHALL BE PERFORMED BY OR UNDER DIRECT SUPERVISION OF AN AUTHORIZED FACTORY REPRESENTATIVE. SYSTEM SHALL BE SIMPLEX, NOTIFIER, SIEMENS, OR APPROVED EQUAL AS ACCEPTED BY THE ENGINEER. SYSTEM SHALL HAVE A 24HR MINIMUM BATTERY BACKUP. ALL FINAL CONNECTIONS, TESTING AND ADJUSTMENTS SHALL BE PERFORMED BY OR UNDER DIRECT SUPERVISION OF AN AUTHORIZED FACTORY REPRESENTATIVE. INITIATING DEVICE ACTIVATION SHALL CAUSE OPERATION OF THE PROPER ALARM CIRCUIT IN THE CONTROL PANEL, AND OPERATE ALL AUDIBLE AND VISUAL INDICATING ALARMS. ALL AIR HANDLING UNITS SHALL BE STOPPED UPON ANY ALARM INPUT. EACH AIR HANDLER UNIT SHALL BE PROVIDED WITH A SYSTEM CONTROLLED RELAY TO EFFECT SHUTDOWN. ALL ALARM DEVICES AND LAMPS SHALL CONTINUE TO OPERATE UNTIL THE INITIATING DEVICE IS RESET. SUBSEQUENT ALARMS SHALL RESOUND THE SYSTEM. AN AUDIBLE AND VISUAL SIGNAL SHALL INDICATE SYSTEM TROUBLE. THE CONTROL PANEL SHALL PROVIDE FOR ACTIVATING A UL LISTED CENTRAL STATION SIGNAL FOR NOTIFYING THE FIRE DEPARTMENT.
- B. MANUAL STATIONS SHALL BE NON-CODED, WITH PULL LEVER AND GLASS ROD, SEMI-FLUSH MOUNTED. COMBINATION LIGHT AND HORN SIGNALS SHALL BE FLUSH MOUNTED. WIRING SHALL BE IN CONDUIT AS PREVIOUSLY SPECIFIED, #14 AWG MINIMUM, THHN. ALL J-BOXES USED FOR THE FIRE ALARM SYSTEM SHALL BE PAINTED RED.
- C. SPRINKLER SYSTEM TAMPER SWITCHES SHALL BE CONNECTED INTO A COMMON ZONE WHICH SHALL DISTINGUISH BETWEEN A CONDUIT FAULT AND A CLOSED VALVE. A CLOSED VALVE SHALL BE INDICATED AS AN ALARM CONDITION, BUT WILL NOT ACTIVATE THE AUDIO-VISUAL DEVICES AND SHALL CAUSE A SUPERVISORY SIGNAL TO BE TRANSMITTED TO THE FIRE DEPARTMENT.
- D. CONDUCTORS SHALL BE PLENUM-RATED AND INSTALLED IN CONDUIT AND INSTALLED IN COMPLIANCE WITH NFPA 70, ARTICLE 760; IN ADDITION TO WIRING METHODS 300.4.
- E. ALL FIRE ALARM WIRING SHALL BE CLASS B.
- F. PROVIDE ALL REQUIRED MODULES, POWER EXTENDERS, PROGRAMMING, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.
- G. SUBMIT FIRE ALARM SHOP DRAWINGS CONSISTING OF PRODUCT DATA, TO THE ENGINEER AND FOR APPROVAL.
- H. FILL OUT NFPA 72 CERTIFICATION REPORT AND SUBMIT TO ENGINEER AND AUTHORITY HAVING JURISDICTION.
- I. WARRANTY - ALL WORK PERFORMED AND ALL MATERIALS AND EQUIPMENT FURNISHED UNDER THIS CONTRACT SHALL BE FREE FROM DEFECTS AND SHALL REMAIN SO FOR A PERIOD OF AT LEAST TWO (2) YEARS FROM THE DATE OF ACCEPTANCE BY THE PROFESSIONAL ENGINEER AND/OR OWNER. THE FULL COST OF MAINTENANCE, LABOR, AND MATERIALS REQUIRED TO CORRECT ANY DEFECT DURING THIS TWO YEAR PERIOD SHALL BE IMMEDIATELY CORRECTED AT NO ADDITIONAL COST TO THE OWNER. ANY DEFECTS THAT RENDER THE SYSTEM INOPERATIVE SHALL BE REPAIRED WITHIN 24 HOURS OF THE OWNER NOTIFYING THE CONTRACTOR. OTHER DEFECTS SHALL BE REPAIRED WITHIN 48 HOURS OF THE OWNER NOTIFYING THE CONTRACTOR.

16. FIRE STOPPING:

- A. ALL PENETRATIONS OF RATED ASSEMBLIES SHALL BE SEALED WITH RATED MATERIALS MEETING ASTM E-814.
- B. PROVIDE FIRESTOPPING DEVICE(S) OR SYSTEM(S) WHICH HAVE BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE THE APPROPRIATE DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.
- C. DEVICE(S) AND/OR SYSTEM(S) SHALL BE BY HILTI, 3M OR EQUIVALENT.

17. SEISMIC:

- A. THE ELECTRICAL CONTRACTOR SHALL RETAIN THE SERVICES OF A STRUCTURAL ENGINEER TO DETERMINE SITE CLASSIFICATION AND SEISMIC RESTRAINT REQUIREMENTS FOR ELECTRICAL EQUIPMENT AND SYSTEMS REQUIRED FOR THIS PROJECT. WHERE REQUIRED, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RESTRAINTS TO RESIST THE EARTHQUAKE EFFECTS ON THE ELECTRICAL SYSTEM. THE REQUIREMENTS FOR THESE RESTRAINTS ARE FOUND IN CHAPTERS 16 AND 17 OF THE INTERNATIONAL BUILDING CODE (IBC).
- B. THE ELECTRICAL CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA TO DESIGN SEISMIC RESTRAINT ELEMENTS REQUIRED FOR THIS PROJECT. THE ENGINEER'S COMPUTATIONS, BEARING HIS PROFESSIONAL SEAL, SHALL ACCOMPANY SHOP DRAWINGS WHICH SHOW COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE. COMPUTATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO THE PURCHASING OF MATERIALS, EQUIPMENT, SYSTEMS AND ASSEMBLIES.
- C. THE ELECTRICAL CONTRACTOR SHALL INCLUDE SHOP DRAWINGS OF THE SPECIFIC METHODS OF SEISMIC RESTRAINT TO BE USED FOR THIS PROJECT PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT AND SYSTEMS.
- D. INTERNAL SEISMIC RESTRAINT ELEMENTS OF MANUFACTURED EQUIPMENT SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER RETAINED BY THE MANUFACTURER. SUCH CERTIFICATION APPLIES ONLY TO INTERNAL ELEMENTS OF ALL EQUIPMENT. ALL EQUIPMENT ANCHORAGE REQUIREMENTS SHALL BE COORDINATED WITH THE BUILDING STRUCTURE AND SHALL BE COMPATIBLE THERETO. ALL SUCH ANCHORAGE SHALL BE REVIEWED BY THE PROJECT'S ELECTRICAL ENGINEER PRIOR TO INSTALLATION.
- E. THE PROFESSIONAL ENGINEER RETAINED BY THE ELECTRICAL CONTRACTOR FOR SEISMIC RESTRAINT CALCULATIONS AND DESIGN SHALL VISIT THE JOB SITE UPON COMPLETION OF THE SEISMIC RESTRAINT INSTALLATION. THIS ENGINEER SHALL PROVIDE IN WRITING, VERIFICATION OF COMPLIANCE WITH THE APPROVED SEISMIC SUBMITTAL. THIS ENGINEER SHALL ALSO PERFORM ANY SPECIAL INSPECTIONS REQUIRED. THIS VERIFICATION SHALL BEAR THE ENGINEER'S PROFESSIONAL SEAL. JOB SITE INSPECTION BY OTHER THAN THIS ENGINEER IS NOT ACCEPTABLE. SEE CHAPTERS 16 AND 17 OF THE INTERNATIONAL BUILDING CODE.
- F. REVIEW OF THE SEISMIC DESIGN AND SHOP DRAWINGS BY THE PROJECT'S ELECTRICAL ENGINEER, STRUCTURAL ENGINEER OR ARCHITECT SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLY WITH SEISMIC AND OTHER REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

18. ELECTRICAL COORDINATION WITH OTHER TRADES:

- A. THE ELECTRICAL CONTRACTOR SHALL CONNECT AND/OR PROVIDE FINAL CONNECTIONS TO ALL EQUIPMENT SUPPLIED BY OTHERS APPLICABLE TO THE PROJECT, INCLUDING BUT NOT LIMITED TO, MECHANICAL, PLUMBING, FIRE PROTECTION AND SUPPRESSION, OWNER FURNISHED, KITCHEN, LABORATORY, ETC. UNLESS OTHERWISE NOTED.
- B. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONNECTIONS PRIOR TO ROUGH-IN USING APPROVED CATALOG SHEETS AND SHOP DRAWINGS.
- C. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANUAL MOTOR STARTER SWITCHES, DISCONNECT SWITCHES, RECEPTACLES, ETC. TO MECHANICAL AND PLUMBING EQUIPMENT. ALL STARTERS, OTHER THAN MANUAL STARTER SWITCHES, SHALL BE PROVIDED BY OTHERS, BUT INSTALLED BY THE ELECTRICAL CONTRACTOR.
- D. ALL DISCONNECT SWITCHES AND FUSE SIZES SHALL BE COORDINATED WITH SHOP DRAWINGS PRIOR TO ORDERING OR INSTALLING. ANY EQUIPMENT INSTALLED INCORRECTLY BECAUSE OF LACK OF COORDINATION WILL BE REMOVED AND INSTALLED CORRECTLY AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.
- E. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT RUNS AND LIGHT FIXTURE LOCATIONS ABOVE THE CEILING WITH OTHER TRADES PRIOR TO INSTALLATION.
- F. ALL DUCT SMOKE DETECTORS SHALL BE PROVIDED AND CONNECTED BY THE ELECTRICAL CONTRACTOR, BUT INSTALLED BY THE MECHANICAL CONTRACTOR.
- G. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY OUTLETS FOR HEAT TAPE CONNECTIONS FOR MECHANICAL SYSTEMS. PROVIDE CLASS B (30mA) GFCI PROTECTION ON THE BREAKER SUPPLYING THE HEAT TAPE.
- H. THE ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER AT EACH HVAC UNIT HAVING A CONTROLS POWER SUPPLY. CIRCUIT(S) SHALL BE DEDICATED 20A SERVING A MAXIMUM OF 10 HVAC UNITS PER CIRCUIT. COORDINATE ALL LOCATIONS WITH THE MECHANICAL CONTRACTOR.

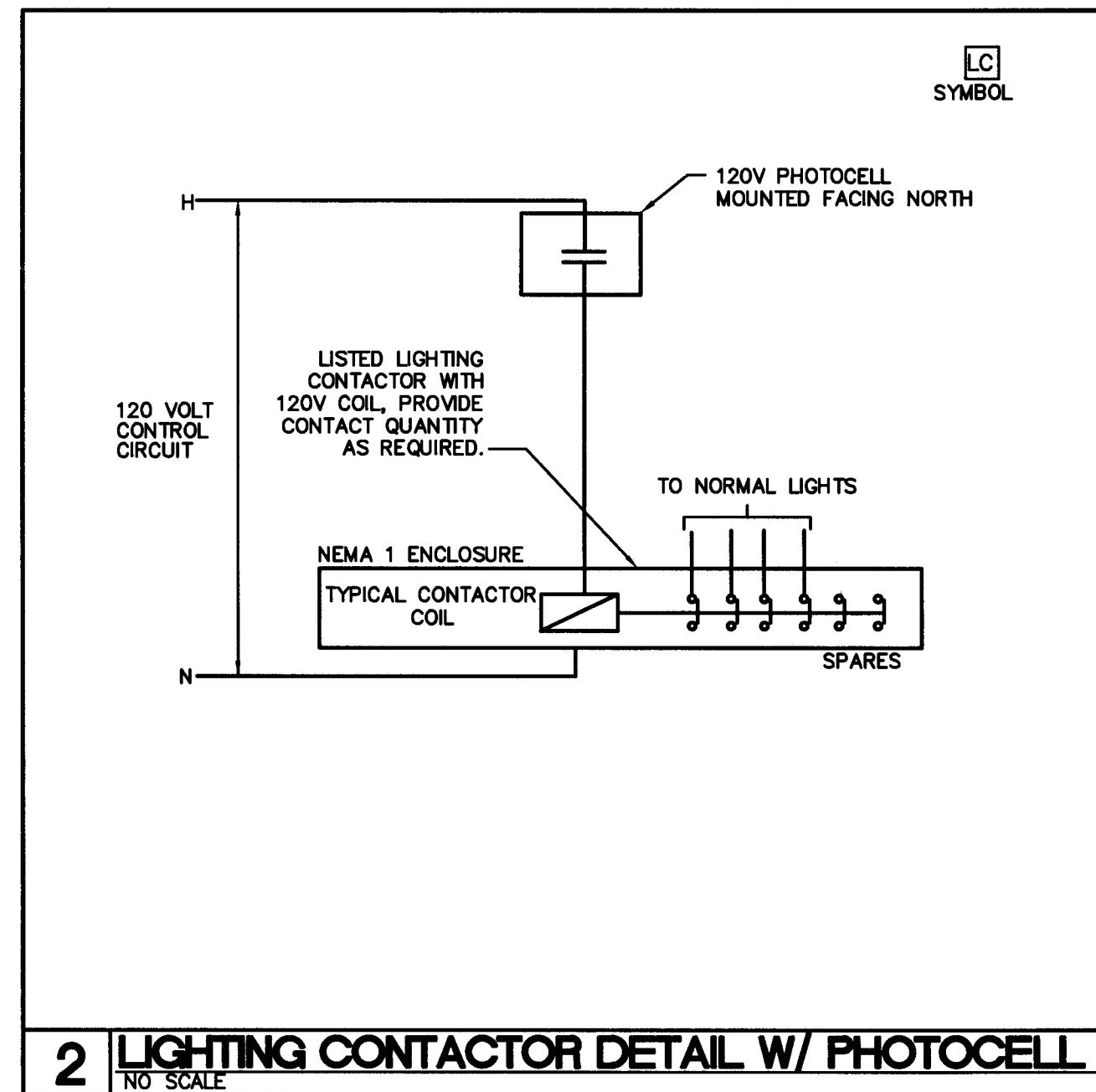
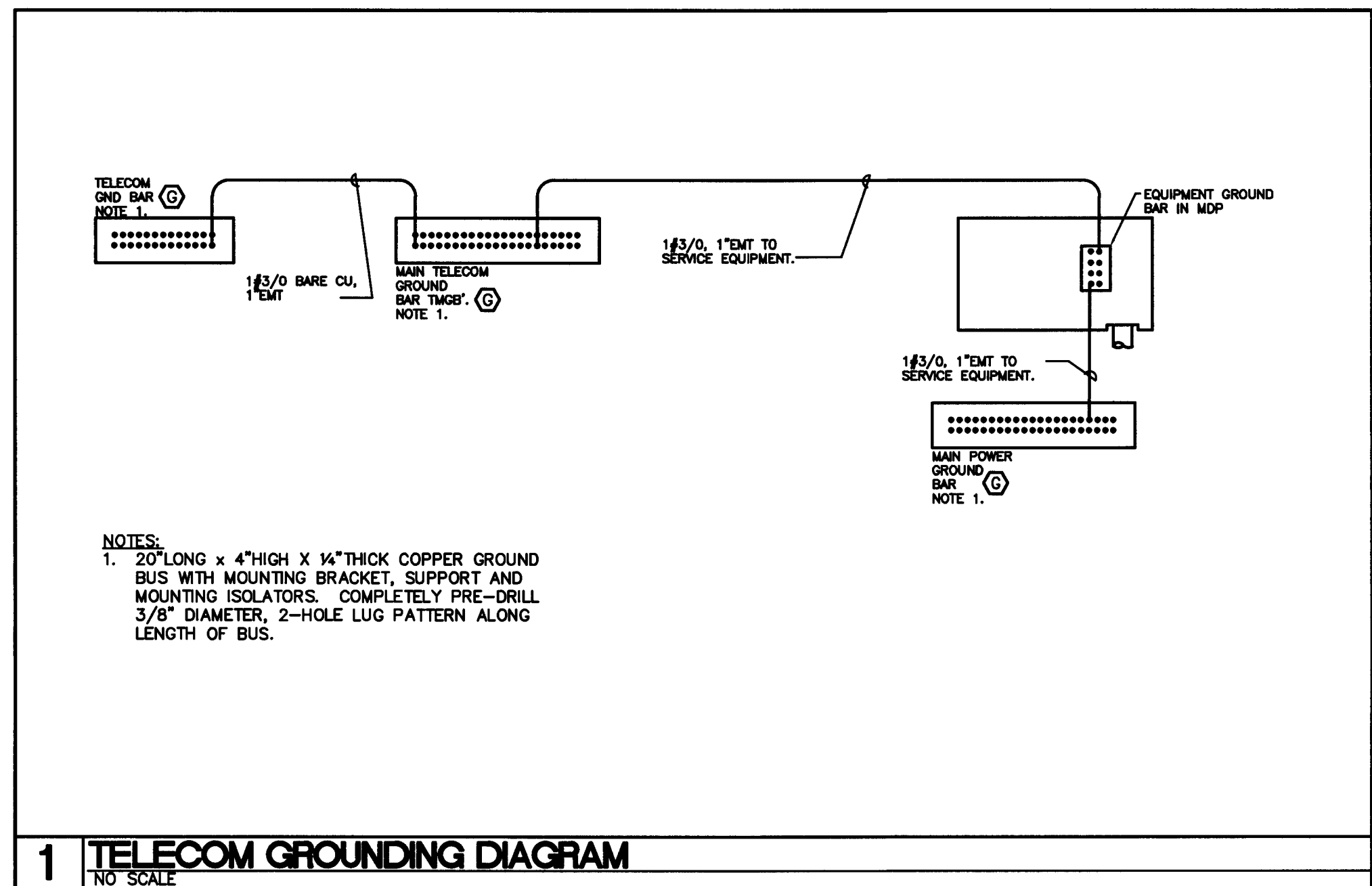
19. DEMOLITION NOTES:

- A. PARTIAL AND TOTAL DEMOLITION OF PORTIONS SHALL BE PERFORMED ALONG WITH ALL NECESSARY MODIFICATIONS TO THAT PORTION OF THE EXISTING BUILDING WHICH SHALL REMAIN SO THAT IT CONTINUES TO FUNCTION UNAFFECTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION.
- B. WHERE INCLUDED AS PART OF THE CONTRACT DOCUMENTS, THE DRAWINGS INDICATE THE GENERAL AREAS OF WORK INVOLVED. HOWEVER, THE ELECTRICAL CONTRACTOR SHALL PERFORM WORK OUTSIDE THOSE AREAS SHOWN AS IS NECESSARY TO COMPLY WITH THE INTENT OF THIS SECTION.
- C. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING BUILDING

1. ELECTRICAL GENERAL NOTES (CONT'D)

NO SCALE

- AND WITH THE WORK OF ALL OTHER TRADES AND INCLUDE ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE DEMOLITION.
- D. IT SHALL BE UNDERSTOOD THAT FIELD CONDITIONS MAY BE ENCOUNTERED DURING THE EXECUTION OF THIS CONTRACT WHICH WILL REQUIRE EXTENSION OR RELOCATION OF EXISTING SYSTEMS OR EQUIPMENT WHICH ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REQUIRED TO MEET THE STATED INTENT THAT THE BUILDING CONTINUE TO FUNCTION UNAFFECTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL INCLUDE SUCH WORK AS WOULD NORMALLY BE EXPECTED IN AN EXISTING BUILDING OF THIS AGE AND TYPE.
- E. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TOOLS, EQUIPMENT, LABOR, ETC. IN ORDER TO ACCOMPLISH THE DEMOLITION PORTION OF THE PROJECT.
- F. THE DEMOLITION OF CERTAIN AREAS OF THE EXISTING BUILDING SHALL BE PERFORMED BY THE GENERAL CONTRACTOR. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE GENERAL CONTRACTOR TO DIFFERENTIATE THE SCOPE OF WORK BETWEEN SEPARATE TRADES.
- G. THE ELECTRICAL CONTRACTOR SHALL INCLUDE COORDINATION WITH THE GENERAL CONTRACTOR AND SUCH DEMOLITION OF THE EXISTING ELECTRICAL SYSTEMS AS IS NECESSARY SO THAT THE DEMOLITION WORK OF THE GENERAL CONTRACTOR SHALL NOT DAMAGE THOSE PORTIONS OF THE ELECTRICAL SYSTEMS WHICH ARE TO REMAIN IN SERVICE, ARE TO BE REUSED, OR ARE TO BECOME THE PROPERTY OF THE OWNER.
- H. TURN OVER TO OWNER, UPON REQUEST OR AS NOTED, ITEMS SHOWN AS BEING REMOVED AND NOT REINSTALLED. ITEMS NOT DIRECTED OR REQUESTED TO BE TURNED OVER TO THE OWNER SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR.
- I. EQUIPMENT OR MATERIALS WHICH ARE TO BE REUSED OR TURNED OVER TO THE OWNER SHALL BE CAREFULLY REMOVED, CLEANED, AND STORED IN A CLEAN AND DRY AREA. SHOULD THE ELECTRICAL CONTRACTOR ENCOUNTER SUCH EQUIPMENT WHICH IS NOT IN SATISFACTORY CONDITION FOR REUSE AND NOT IN WORKING ORDER, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY. DISCONNECT ELECTRICAL SERVICES TO ALL EQUIPMENT REQUIRING REMOVAL. CONDUIT SHALL BE REMOVED BACK TO THE POINT WHERE IT WILL BE CONCEALED AT THE COMPLETION OF THIS CONTRACT. WIRE AND CABLE SHALL BE REMOVED BACK TO THE FIRST OUTLET BOX, CABINET, OR TERMINATION POINT WHICH IS TO REMAIN. CIRCUITS WHICH ARE NOT REUSED SHALL BE REMOVED BACK TO THE SOURCE IN THEIR ENTIRETY.
- K. REMOVE AND REINSTALL CEILINGS IN THE EXISTING BUILDING AS REQUIRED FOR THE WORK. COORDINATE WITH THE GENERAL CONTRACTOR. IN SUCH AREAS, REMOVE AND REINSTALL ALL ELECTRICAL DEVICES WHICH ARE TO REMAIN IN OR ON THE CEILING.
- L. WHERE NEW CEILINGS CONFLICT WITH EXISTING ELECTRICAL WORK WHICH IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED TO CLEAR THE NEW CONSTRUCTION.
- M. WHERE NEW WALL OR FLOOR FINISHES CONFLICT WITH EXISTING ELECTRICAL WORK WHICH IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED OR PROVIDE BOX EXTENSIONS OR SIMILAR DEVICES AND REINSTALL ON THE NEW FINISH.
- N. WHERE EXISTING BRANCH CIRCUITS AND SYSTEMS ARE INTERRUPTED BY NEW WORK OR SYSTEMS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, ETC.), EXTEND AND RECONNECT THOSE CIRCUITS AND SYSTEMS. WHERE THOSE CIRCUITS OR SYSTEMS MUST REMAIN IN SERVICE DURING THE EXECUTION OF THIS CONTRACT, PROVIDE TEMPORARY CONNECTIONS UNTIL FINAL CONNECTIONS ARE COMPLETE.



NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.

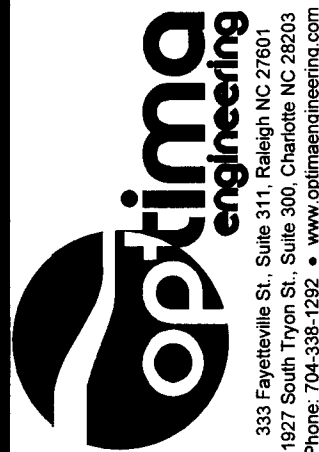
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07-10-2015

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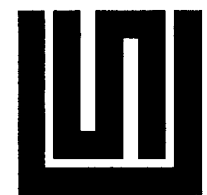
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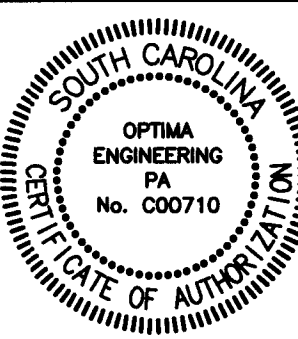
719 East Second Avenue
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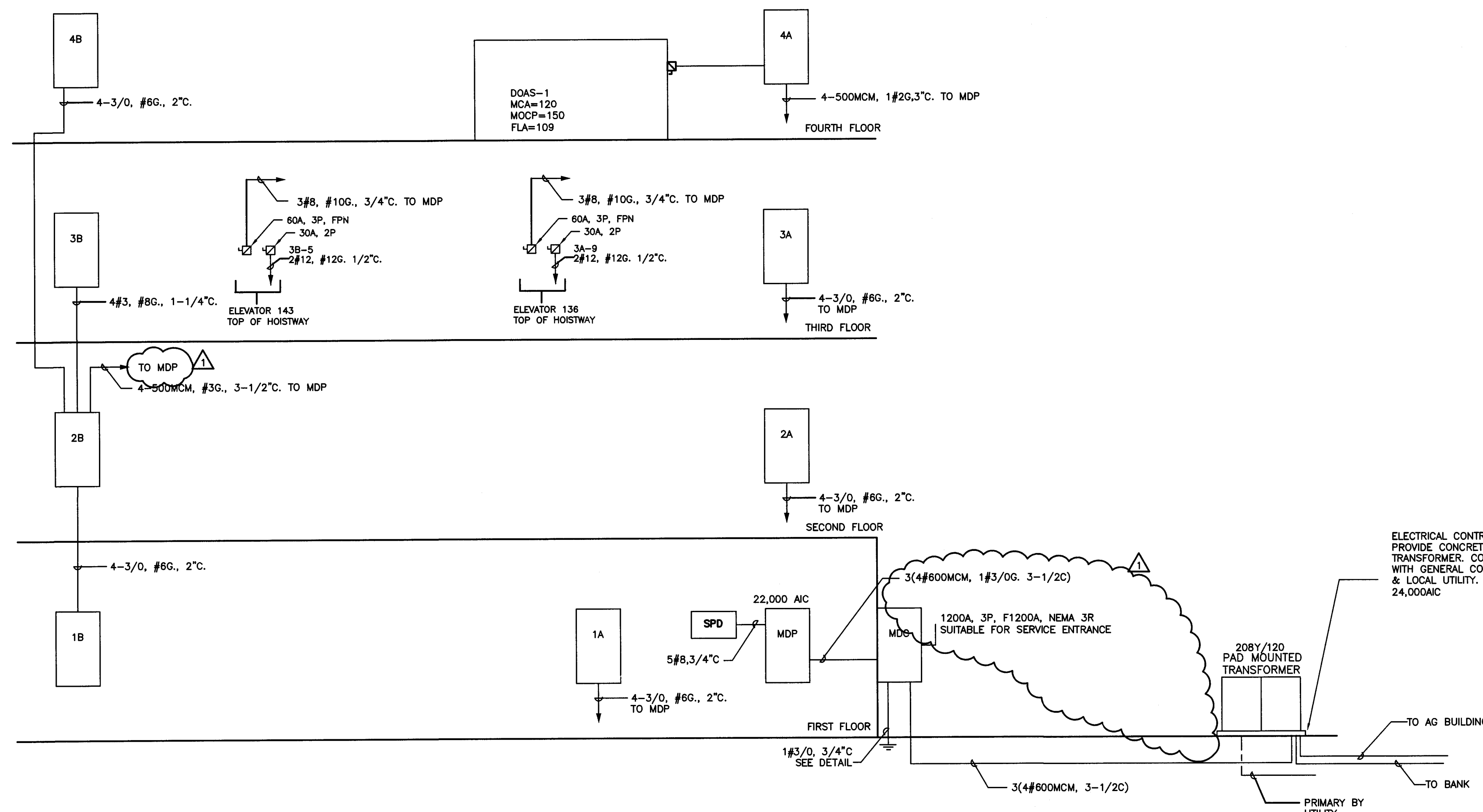
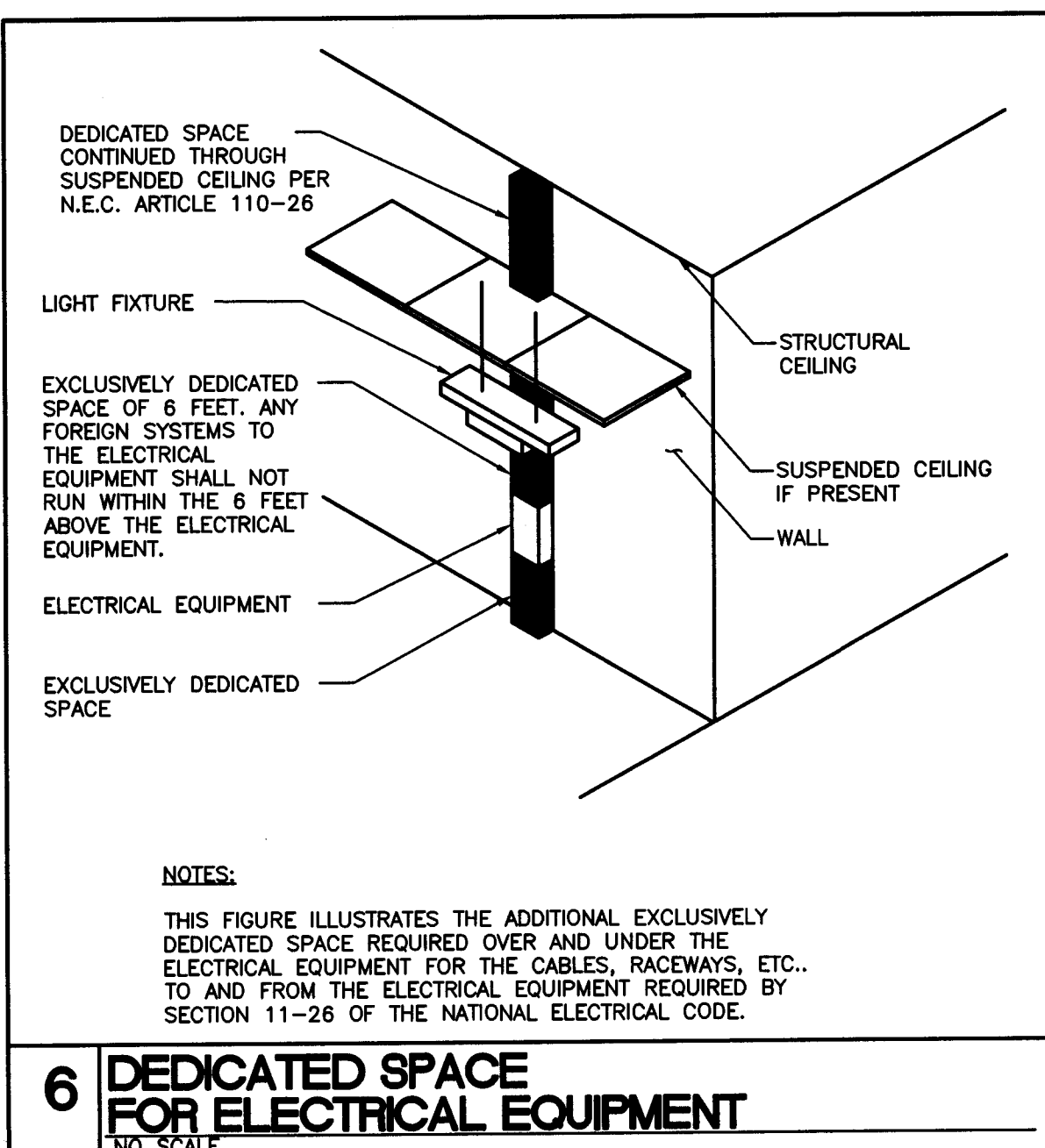
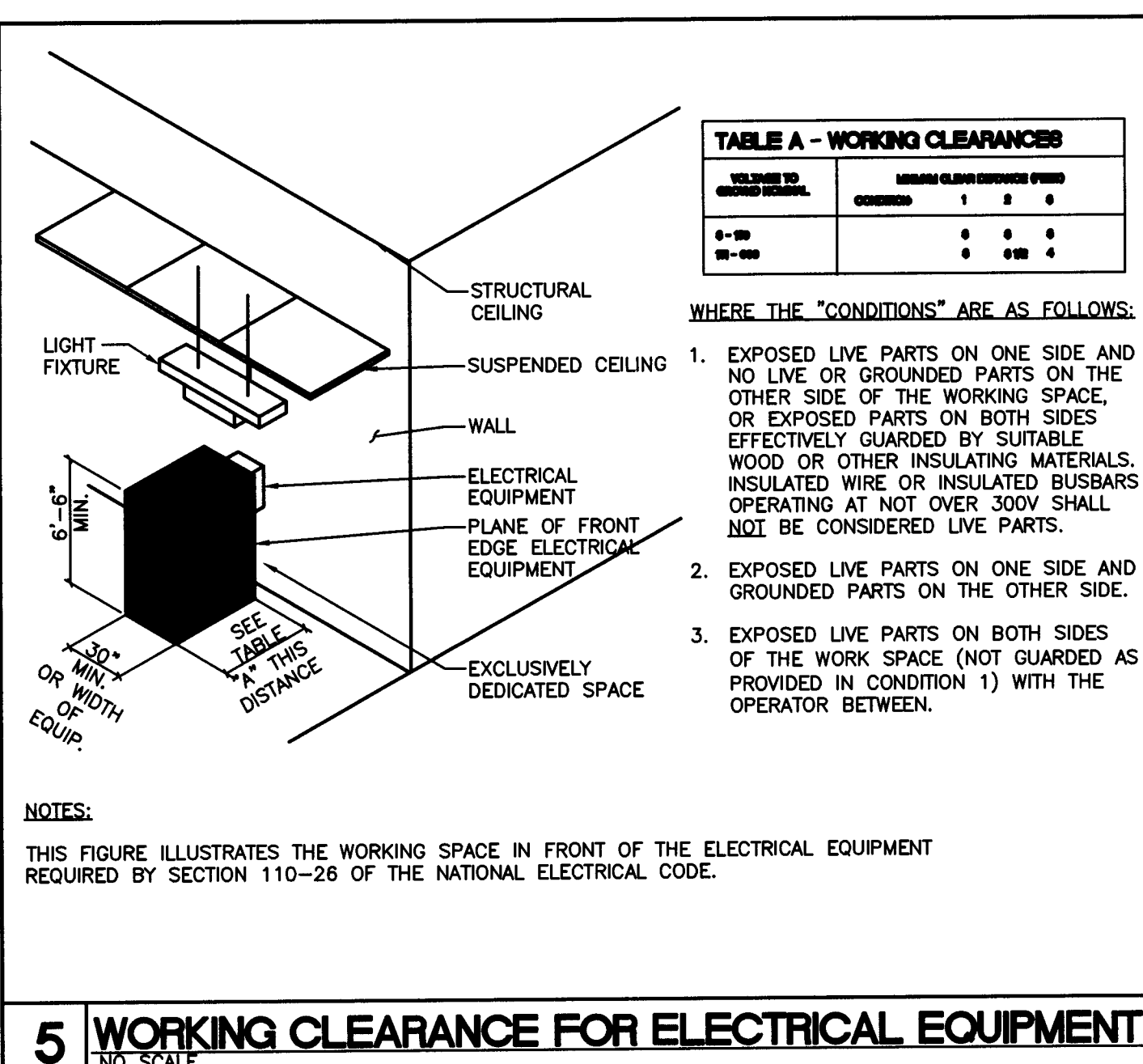
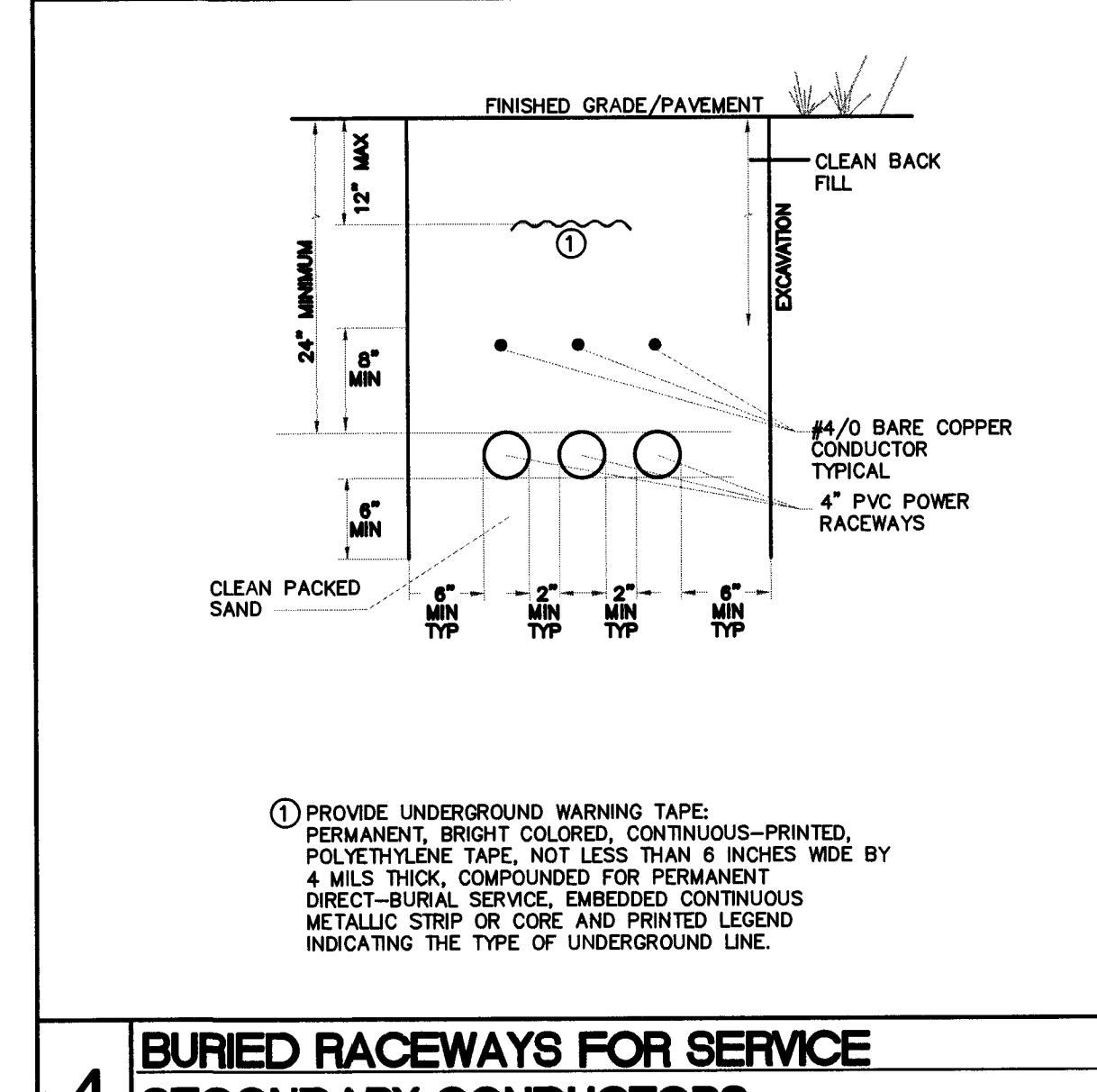
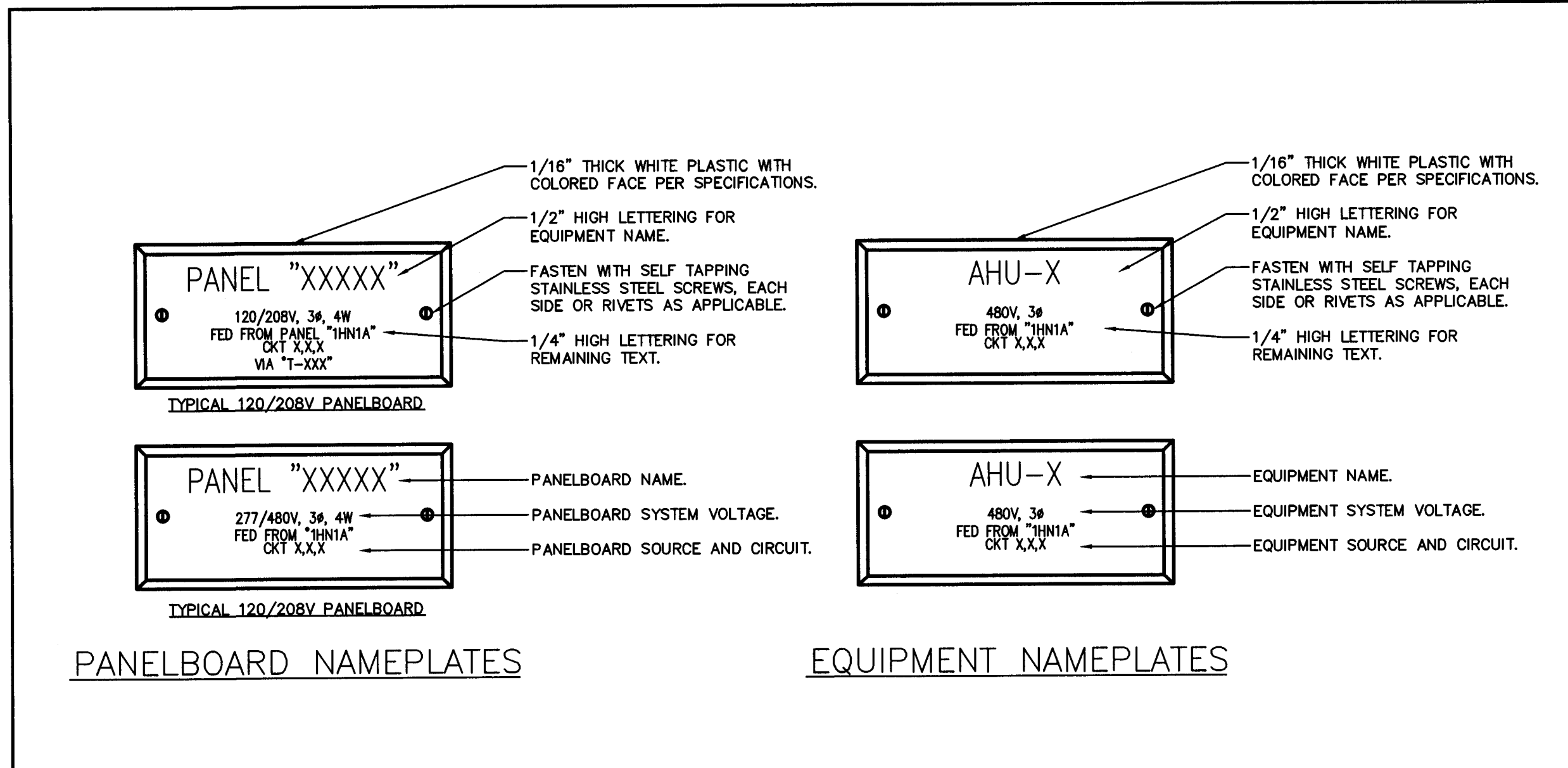
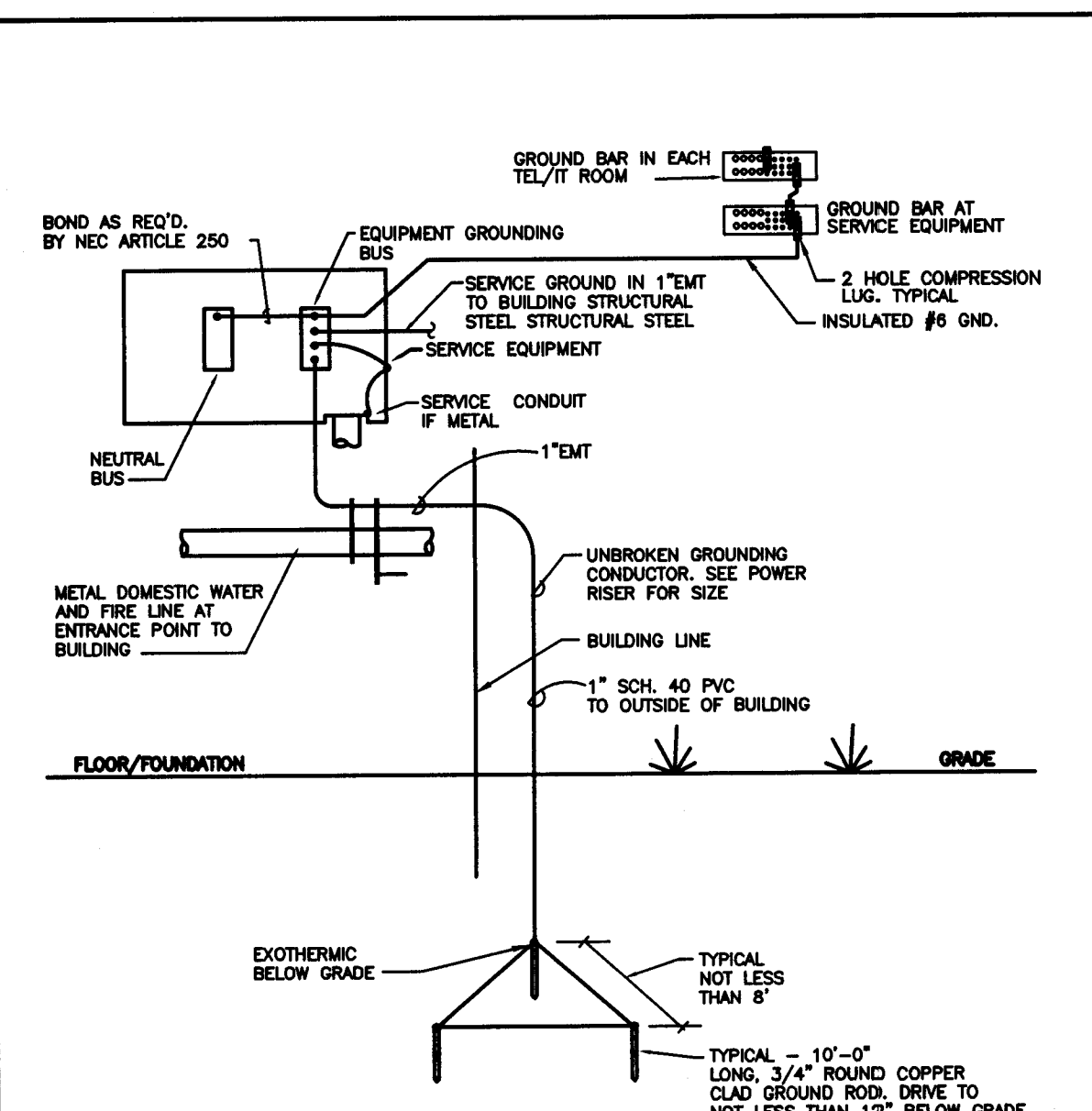
07/10/2015

RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ELECTRICAL
SPECIFICATIONS

sheet 10.03

OPTIMA # 14-0530 3 OF 17



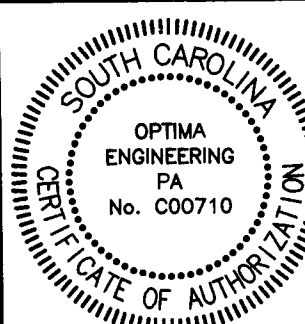
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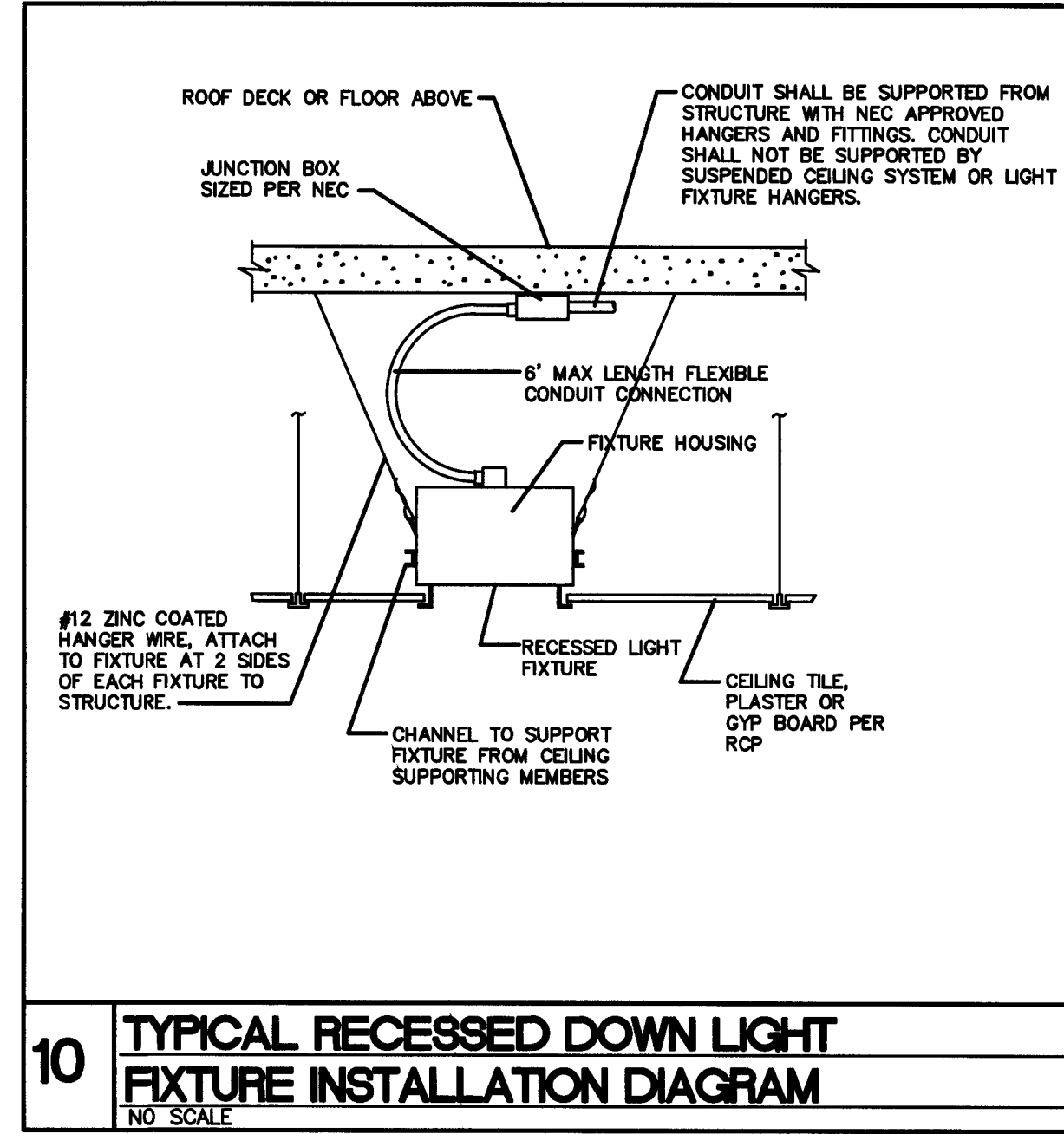
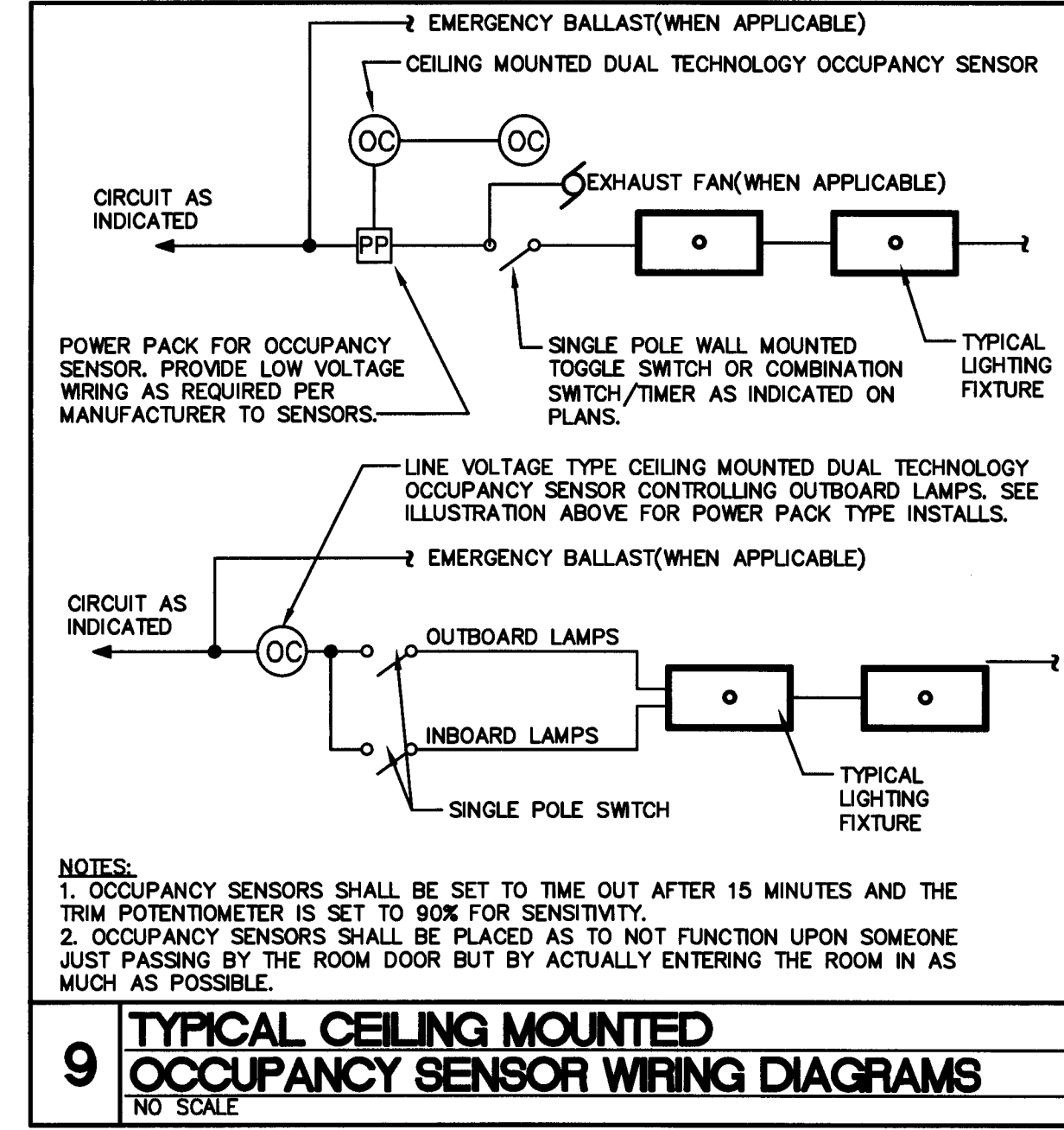
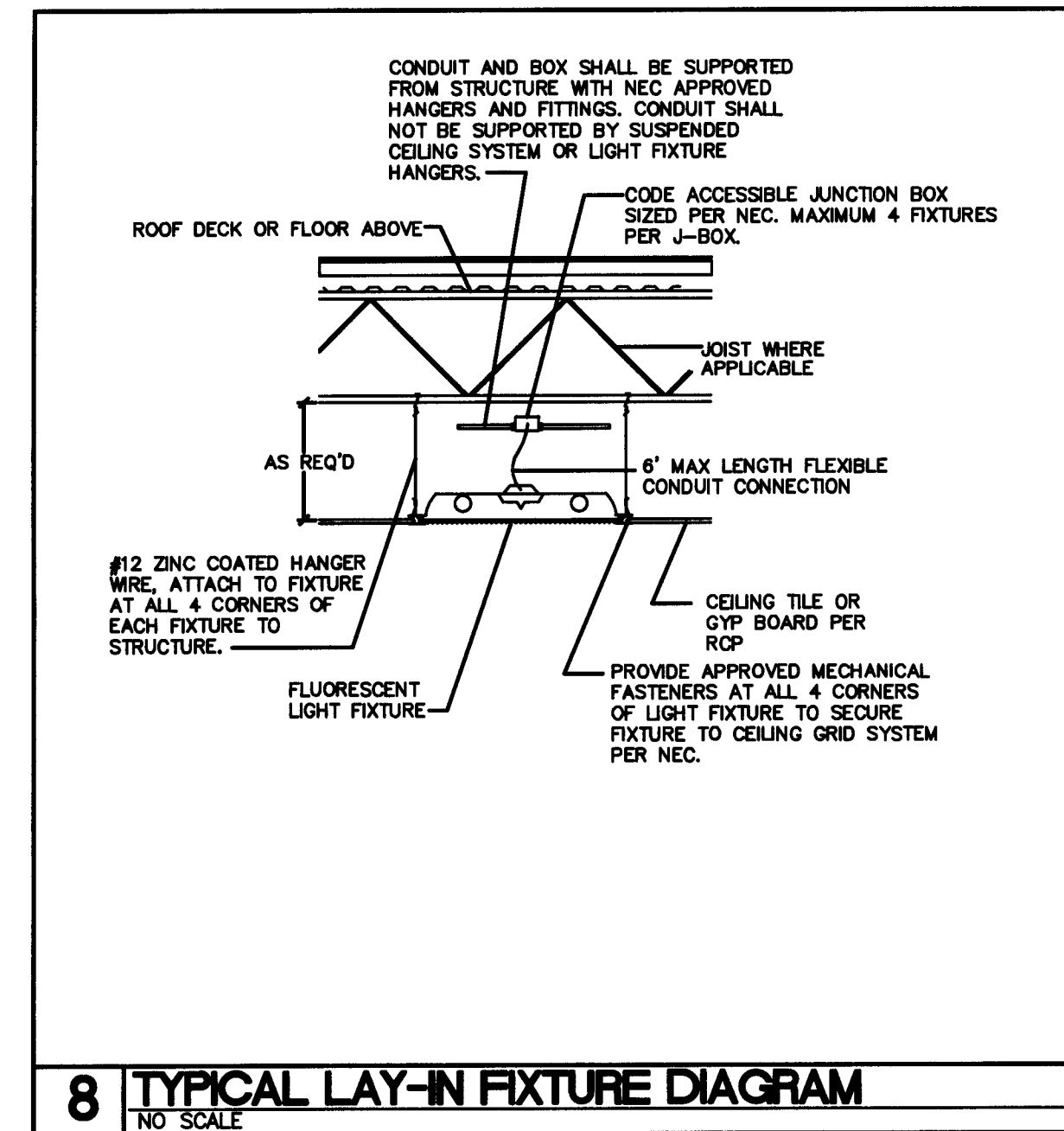
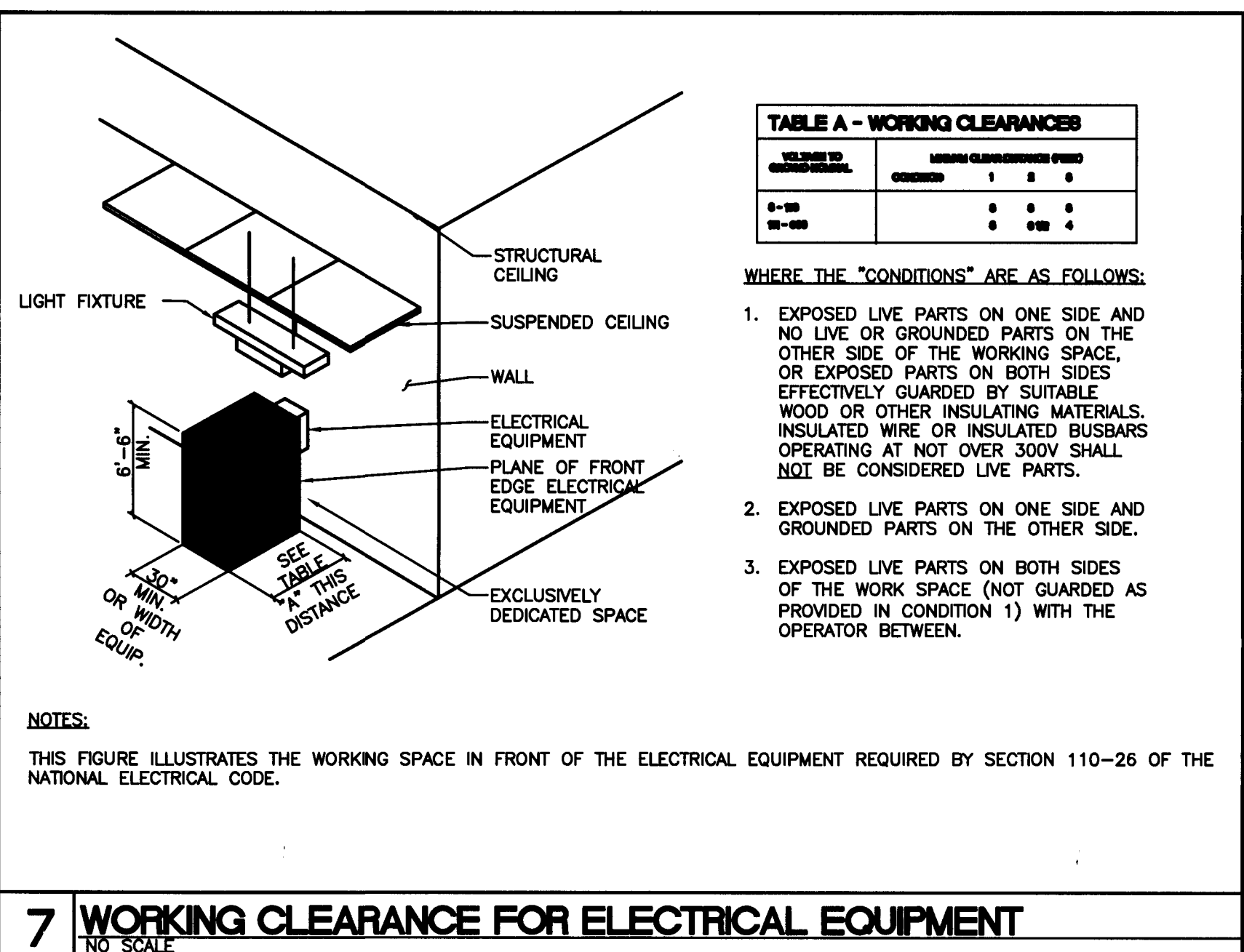
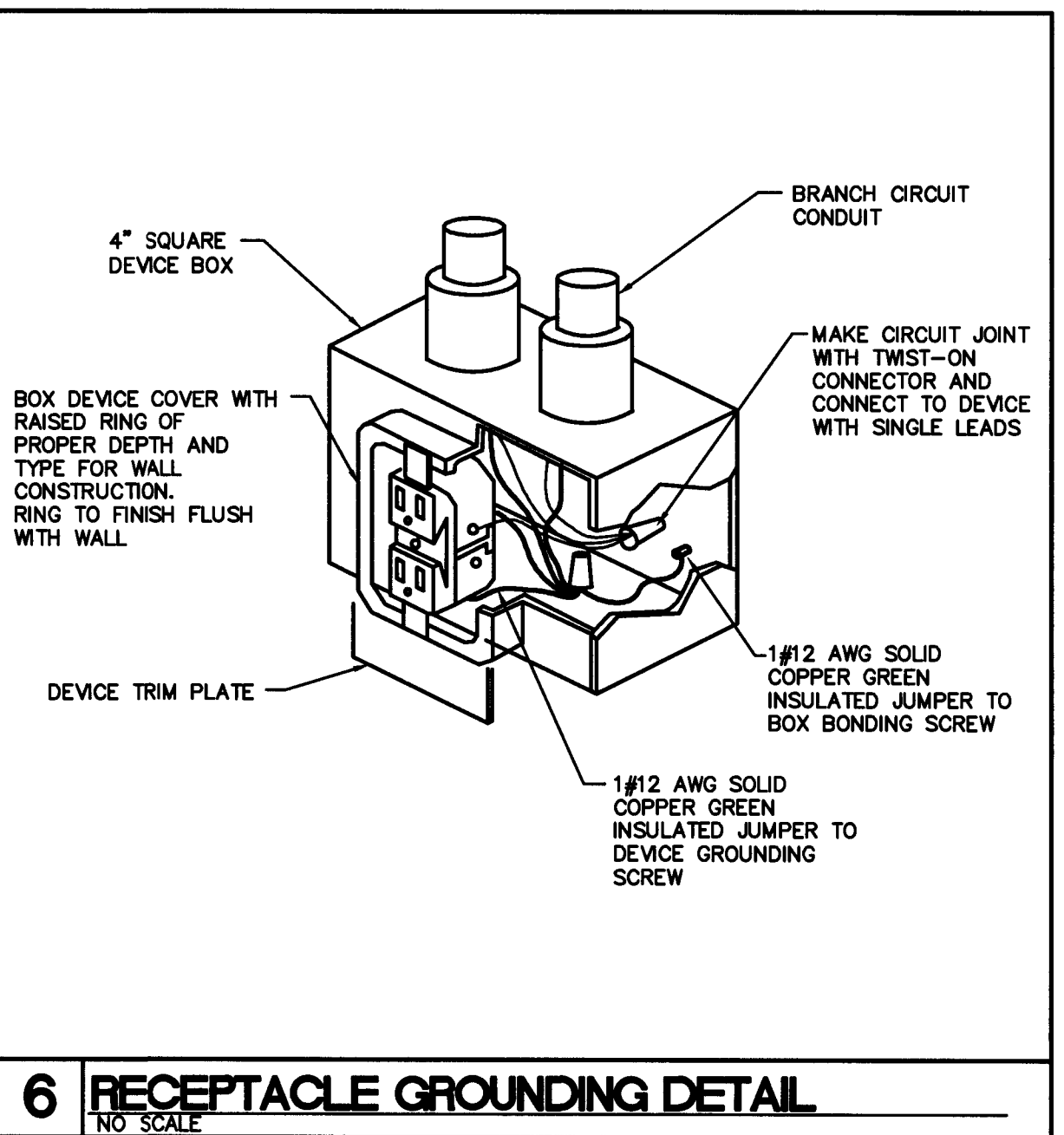
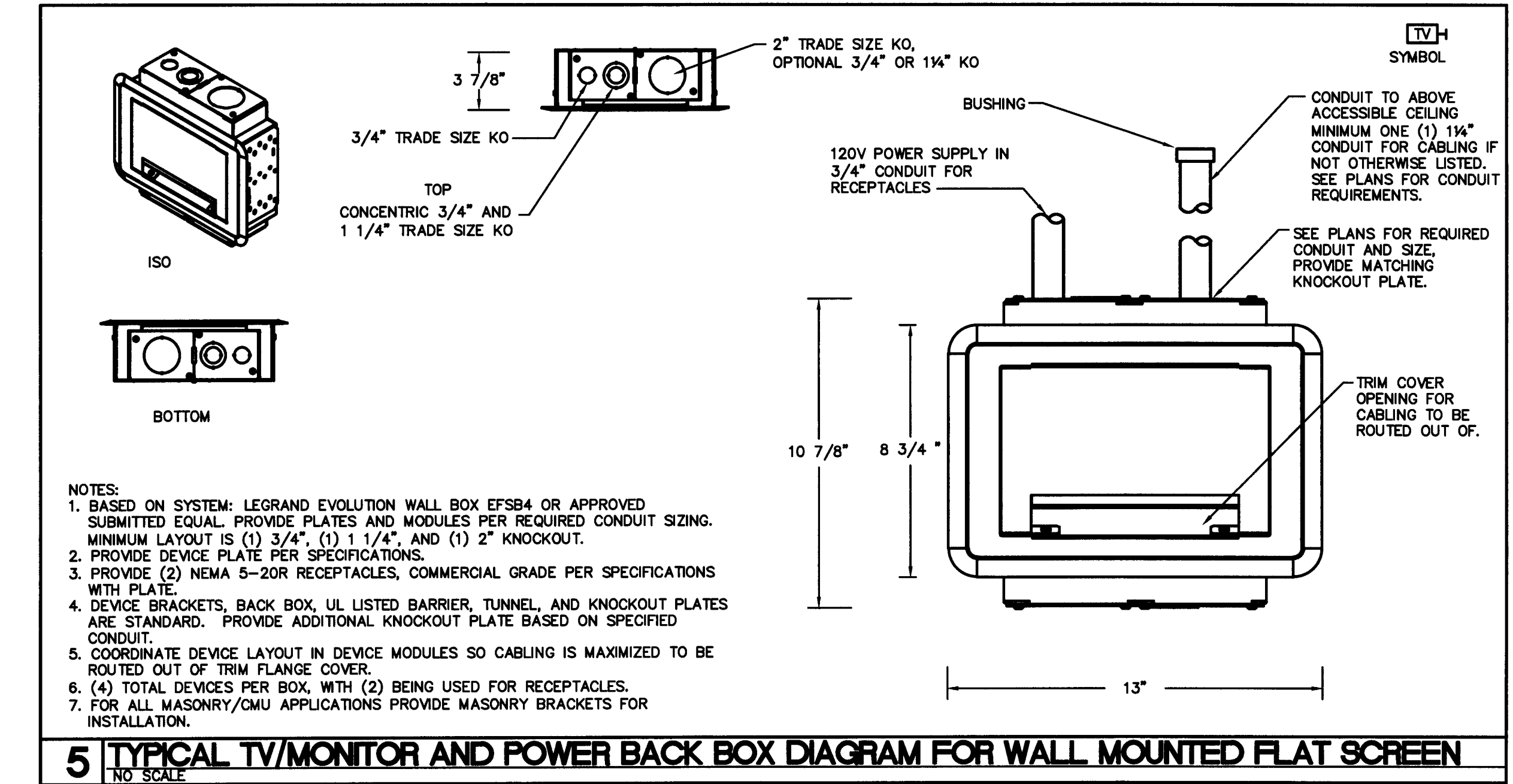
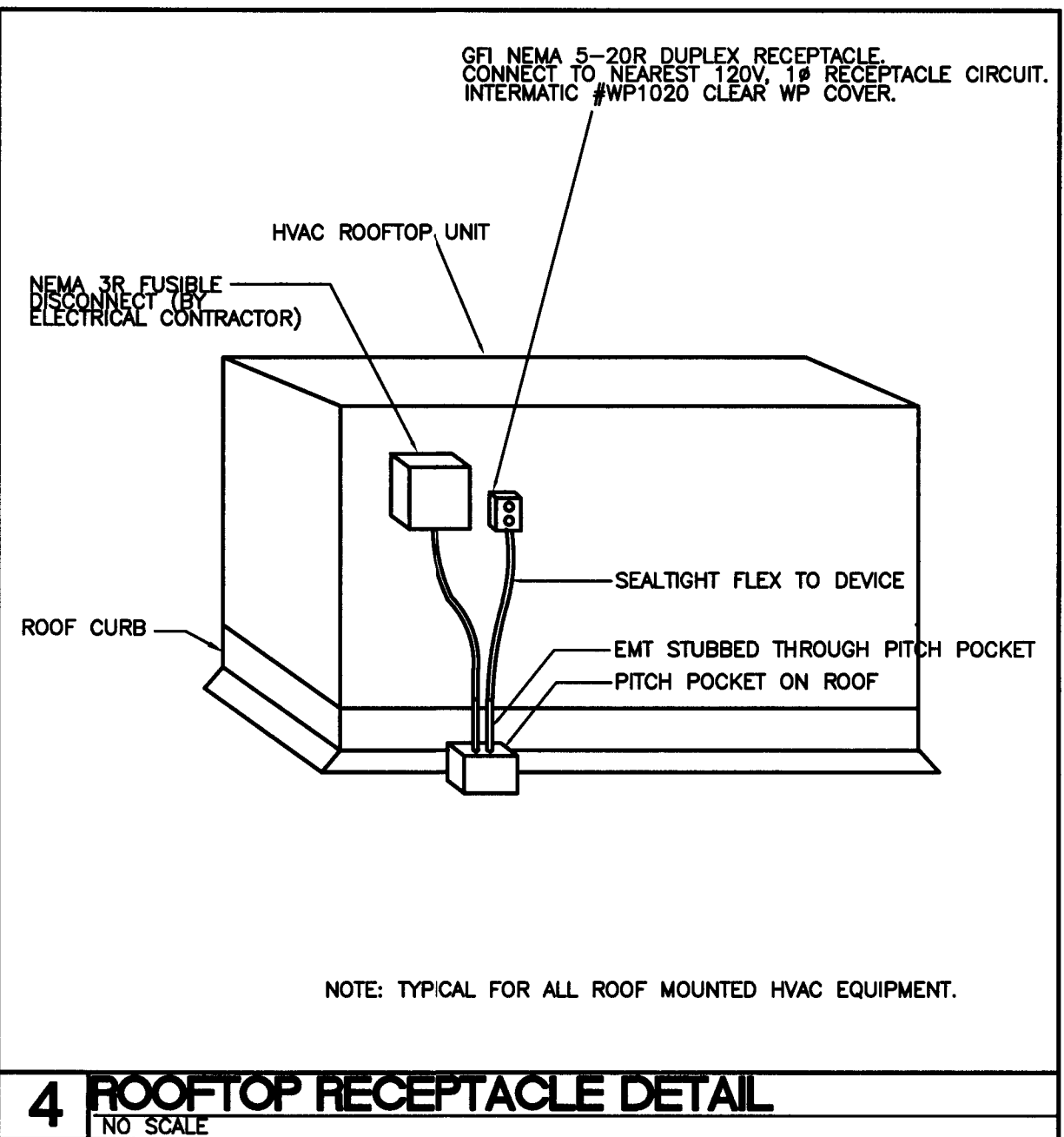
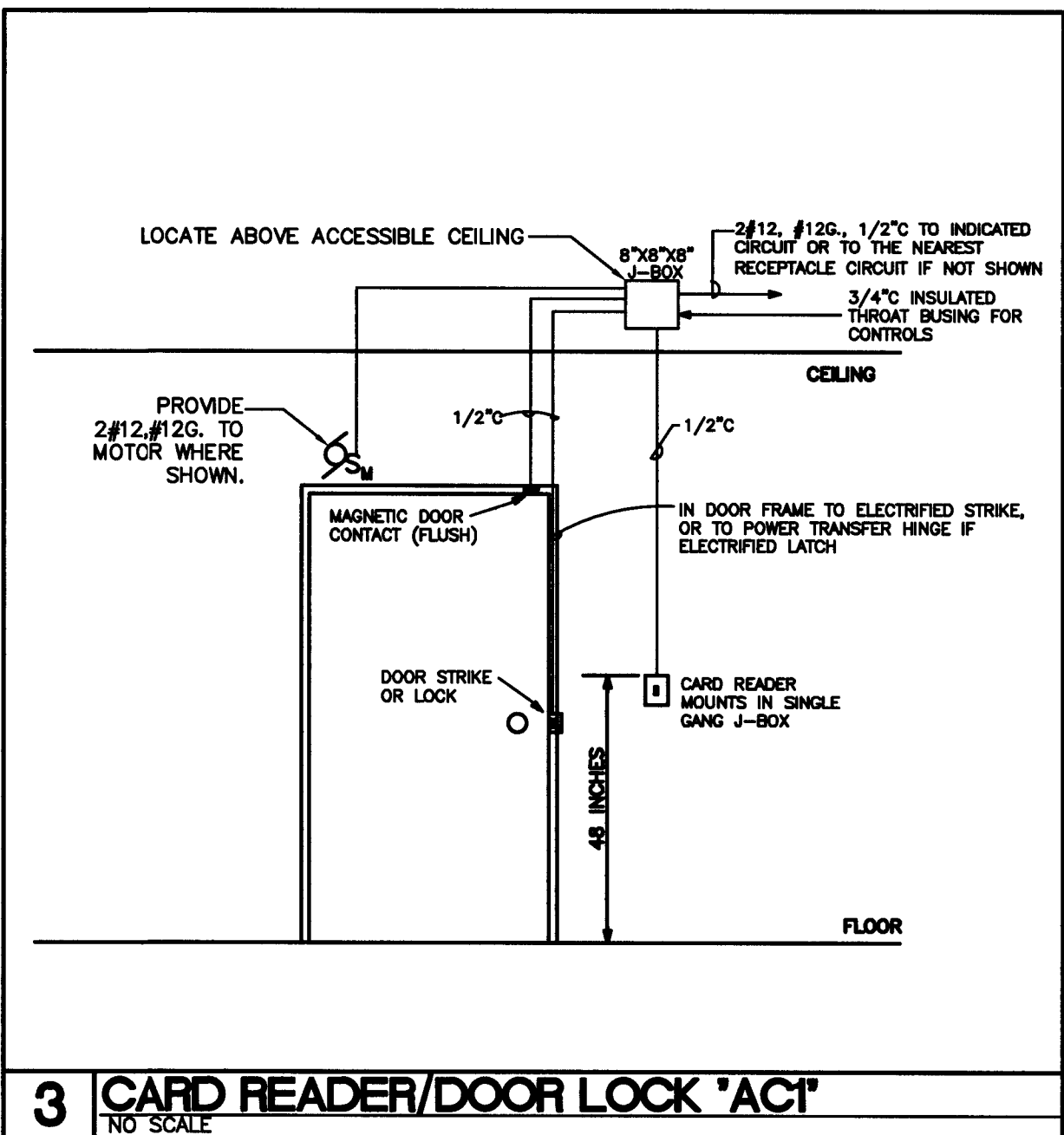
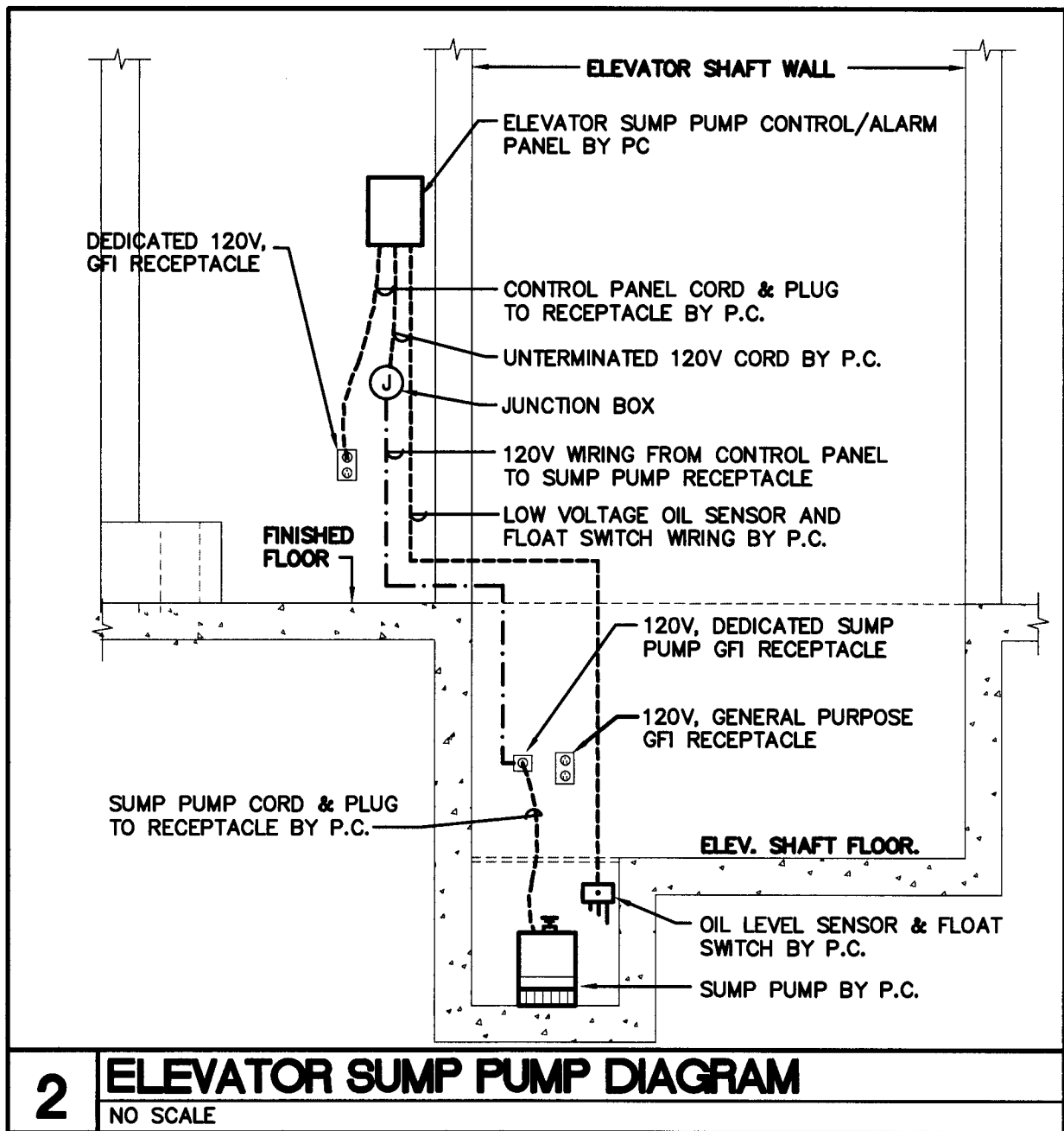
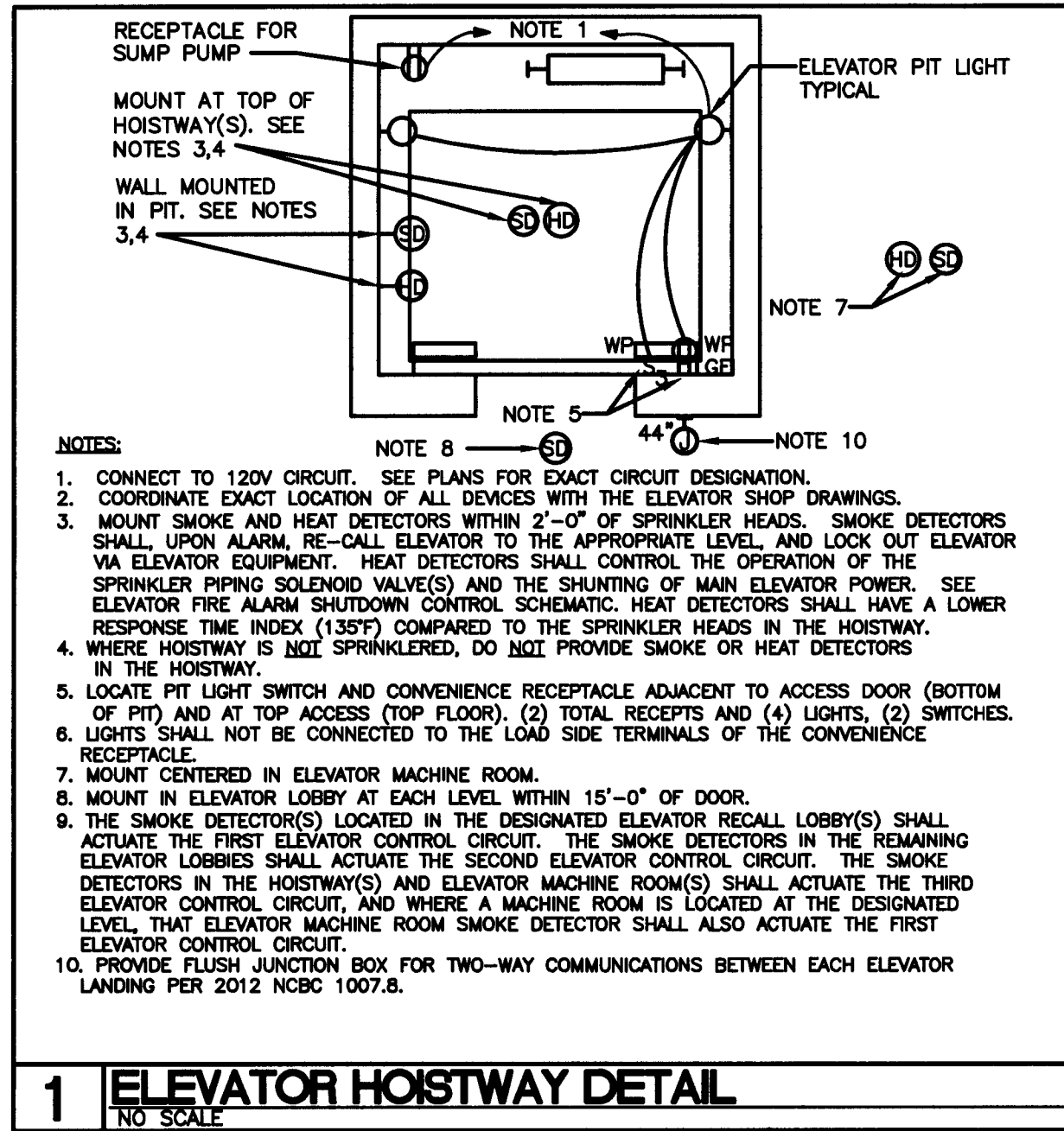
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YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
PANEL
SCHEDULES

PANEL: 1A												SQD MFR
VOLTAGE: 120 / 208												NOOD TYPE
MOUNTING: SURFACE												22,000 AIC
3 PHASE 4 WIRE												
MAIN LUGS ONLY												
LOAD KVA	LOAD SERVED	WIRE	TRIP	FRAME (Note 1)	CTK NO	A B C	CTK NO	FRAME (Note 1)	TRIP	WIRE	LOAD SERVED	LOAD KVA
0.00	LIGHTING	12	20	1	1	20	12	REC RM 128	0.36			0.36
0.00	LIGHTING	12	20	3	3	20	12	REC RM 128	0.36			0.36
0.00	STAR LIGHTING	12	20	5	5	20	12	REC RM 128, NOTE 8	1.00			1.00
0.00	EXTERIOR LIGHTING	12	20	7	7	20	12	REC RM 128	0.59			0.59
0.00	SPARE	20	9	11	11	20	12	REC CORRIDOR	0.72			0.72
0.00	SPARE	20	11	13	13	20	12	REC RM 138	0.90			0.90
0.00	SPARE	20	13	15	15	20	12	REC RM 138	0.90			0.90
0.00	SPARE	20	15	17	17	20	12	REC RM 124	0.90			0.90
0.00	SPARE	20	17	19	19	20	12	COPIER RM 121	1.00			1.00
0.00	SPARE	20	19	21	21	20	12	REC RM 119/120	0.72			0.72
0.00	SPARE	20	21	23	23	20	12	REC RM 142	0.90			0.90
0.00	SPARE	20	23	25	25	20	12	REC RM 100	0.36			0.36
0.00	SPARE	20	25	27	27	20	12	REC RM 134	0.54			0.54
0.80	CONTROLS	12	20	27	27	20	12	REC RM 125	1.44			1.44
0.70	IDU/SHRUS	12	15	28	28	20	12	TELECOM ENTRANCE RM	0.36			0.36
0.70	WATER HEATER	12	20	31	31	20	12	FACP, NOTE 7	0.90			0.90
1.10	SUMP PUMP	12	20	34	34	20	12	EVH-2	0.00			0.00
7.20	WH-2	4	70	36	36	20	12	DUMB WATER REC.	0.00			0.00
7.20	WH-2	4	70	37	37	20	12	SPARE	0.00			0.00
7.20	WH-2	4	70	38	38	20	12	SPARE	0.00			0.00
32.1								SUB-TOTALS				11.8
NOTES:												
1. BREAKER FRAME SHALL BE AS REQ'D PER PANEL AIC RATING.												
2. SHALL BE FULLY RATED - SERIES RATINGS NOT ALLOWED.												
3. ALL BUSING, INCL GND AND NEUTRAL, SHALL BE COPPER.												
4. ALL INCOMING PANEL & BRK LUGS SHALL MATCH FEEDERS.												
5. PROVIDE METAL DIRECTORY FRAME.												
6. PROVIDE FEED-THRU LUGS.												
7. PROVIDE BREAKER WITH HANDLE LOCK-ON DEVICE.												
8. PROVIDE HINGED DOOR-IN-DOOR WITH OUTER DOOR LOCK.												

PANEL: 2A												SQD MFR
VOLTAGE: 120 / 208												NOOD TYPE
MOUNTING: SURFACE												22,000 AIC
3 PHASE 4 WIRE												
MAIN LUGS ONLY												
LOAD KVA	LOAD SERVED	WIRE	TRIP	FRAME (Note 1)	CTK NO	A B C	CTK NO	FRAME (Note 1)	TRIP	WIRE	LOAD SERVED	LOAD KVA
1.50	LIGHTING	12	20	1	1	20	12	REC RM 228	0.72			0.72
1.20	LIGHTING	12	20	3	3	20	12	REC RM 228	0.54			0.54
1.20	LIGHTING	12	20	5	5	20	12	REC RM 228	1.08			1.08
0.36	REC 228	12	20	7	7	20	12	REC RM 223	0.90			0.90
0.00	SPARE	20	9	11	11	20	12	REC RM 222/224	1.40			1.40
0.00	SPARE	20	11	13	13	20	12	CORRIDOR REC.	0.90			0.90
0.80	IDU/SHRUS	12	15	15	15	20	12	REC RM 232	1.08			1.08
0.00	SPARE	20	17	17	17	20	12	REC RM 208	0.54			0.54
0.36	TELECOM	12	20	19	19	20	12	REC RM 233	1.08			1.08
0.00	SPARE	20	21	21	21	20	12	REC RM 235	1.00			1.00
0.00	SPARE	20	23	23	23	20	12	REC RM 232	0.72			0.72
0.00	SPARE	20	25	25	25	20	12	REC RM 236	0.72			0.72
0.00	SPARE	20	27	27	27	20	12	REC RM 236	1.08			1.08
0.00	SPARE	20	29	29	29	20	12	COPIER RM 236	1.00			1.00
3.00	WH1 SEE NOTE 7	10	30	31	31	30	10	WH1 SEE NOTE 7	3.00			3.00
3.00	WH1 SEE NOTE 7	10	30	32	32	30	10	WH1 SEE NOTE 7	3.00			3.00
3.00	WH1 SEE NOTE 7	10	30	33	33	30	10	WH1 SEE NOTE 7	3.00			3.00
10.04								SUB-TOTALS				24.3
NOTES:												
1. BREAKER FRAME SHALL BE AS REQ'D PER PANEL AIC RATING.												
2. SHALL BE FULLY RATED - SERIES RATINGS NOT ALLOWED.												
3. ALL BUSING, INCL GND AND NEUTRAL, SHALL BE COPPER.												
4. ALL INCOMING PANEL & BRK LUGS SHALL MATCH FEEDERS.												
5. PROVIDE METAL DIRECTORY FRAME.												
6. PROVIDE FEED-THRU LUGS.												
7. PROVIDE BREAKER WITH HANDLE LOCK-ON DEVICE.												
8. PROVIDE HINGED DOOR-IN-DOOR WITH OUTER DOOR LOCK.												

PANEL: 3A												SQD MFR	
VOLTAGE: 120 / 208												NOOD TYPE	
MOUNTING: SURFACE												22,000 AIC	
3 PHASE 4 WIRE													
MAIN LUGS ONLY													
LOAD SERVED	WIRE	TRIP	FRAME (Note 1)	CTK NO	A	B	C	CTK NO	FRAME (Note 1)	TRIP	WIRE	LOAD SERVED	LOAD KVA
LIGHTING	12	20	1	1	20	12	REC RM 317	0.72					
LIGHTING	12	20	3	3	20	12	REC RM CORRIDOR	0.54					
LIGHTING	12	20	5	5	20	12	REC RM 322	1.08					
TASK LIGHTING	12	20	7	7	20	12	REC RM 323	0.36					
ELEVATOR LIGHTS	12	20	9	9	20	12	REC RM 324	0.54					
REC RM 311	12	20	11	11	20	12	REC RM 324	1.08					
REC RM 311	12	20	13	13	20	12	REC RM 321	1.08					
REC RM 311	12	20	15	15	20	12	REC RM 332	1.08					
EWI	12	20	17	17	20	12	REC RM 315	1.28					
IDU/SHRUS	12	15	19	19	20	12	REC CORR.	0.72					
EWI	12	20	21	21	20	12	REC RM 313	0.36					
EWI	12	20	23	23	20	12	EWI, NOTE 9	0.80					
CONTROLS	12	20	25	25	20	12	REC RM 311	0.00					
SPARE	20	27	27	27	20	12	REC RM 311	0.00					
SPARE	20	29	29	29	20	12	REC RM 311	0.00					
DUMBWATER	15	31	31	31	30	10	WH1 SEE NOTE 7	3.00					
SPARE	70	35	35	35	30	10	WH1 SEE NOTE 7	3.00					
SPARE	70	36	36	36	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	37	37	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	38	38	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	39	39	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	40	40	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	41	41	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	42	42	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	43	43	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	44	44	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	45	45	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	48	48	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	49	49	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	51	51	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	56	56	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	62	62	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	63	63	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	64	64	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	68	68	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	70	70	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	81	81	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	82	82	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	83	83	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	84	84	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	85	85	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	86	86	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	87	87	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	88	88	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	89	89	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	90	90	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	91	91	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	92	92	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	93	93	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	94	94	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	95	95	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	96	96	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	97	97	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	98	98	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	100	100	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	102	102	30	10	WH1 SEE NOTE 7	3.00					
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WH-2	4	70	146	146	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	147	147	30	10	WH1 SEE NOTE 7	3.00					
WH-2	4	70	148	148									



NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.
1390

Date
07-10-2015
Drawn
JCC
Checked
BET
Revisions

Optima Engineering
139 East Second Avenue
Columbia, SC 29203
Phone: 704-338-1390 • Fax: 704-338-1392 • www.optimaengineering.com

719 East Second Avenue
Columbia, SC 29203
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Stewart Cooper Newell Architects
1800.671.0621
www.scn-architects.com

South Carolina Professional Engineers
No. 000710
PA

RENOVATIONS & ADDITION FOR YORK COUNTY COURTHOUSE YORK, SOUTH CAROLINA
ELECTRICAL DETAILS

sheet **10.06**

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Hinson Electric

Project: York County Courthouse

Date: 11/6/15

Ref. Spec. Section/Page: 0265116

Cost Impact: No

Schedule Impact: No

Problem/Conflict:

The model number noted for the P1 fixture was not found to be produced by OCLC (15-1145), please confirm the model number for the P1 fixture.

Issued By (Name) Jamie McDermott

Company: Leitner Construction

Date: 11/6/15

Response:

For P1: The model number OCLC (15-1145) listed does not apply. There is a price allowance.

P1, A1, A2 and A3 are the same fixture.

A1 on the first floor, small courtroom will have either a shorter stem or will be flush mounted.

All are similar to the globe chandelier #4454-pec shown but instead of a globe and and (4) smaller globes;

P1, A1, A2, and A3 will have a central globe with (2) arms 180 degrees coming off the center ceiling mount with a smaller globe.

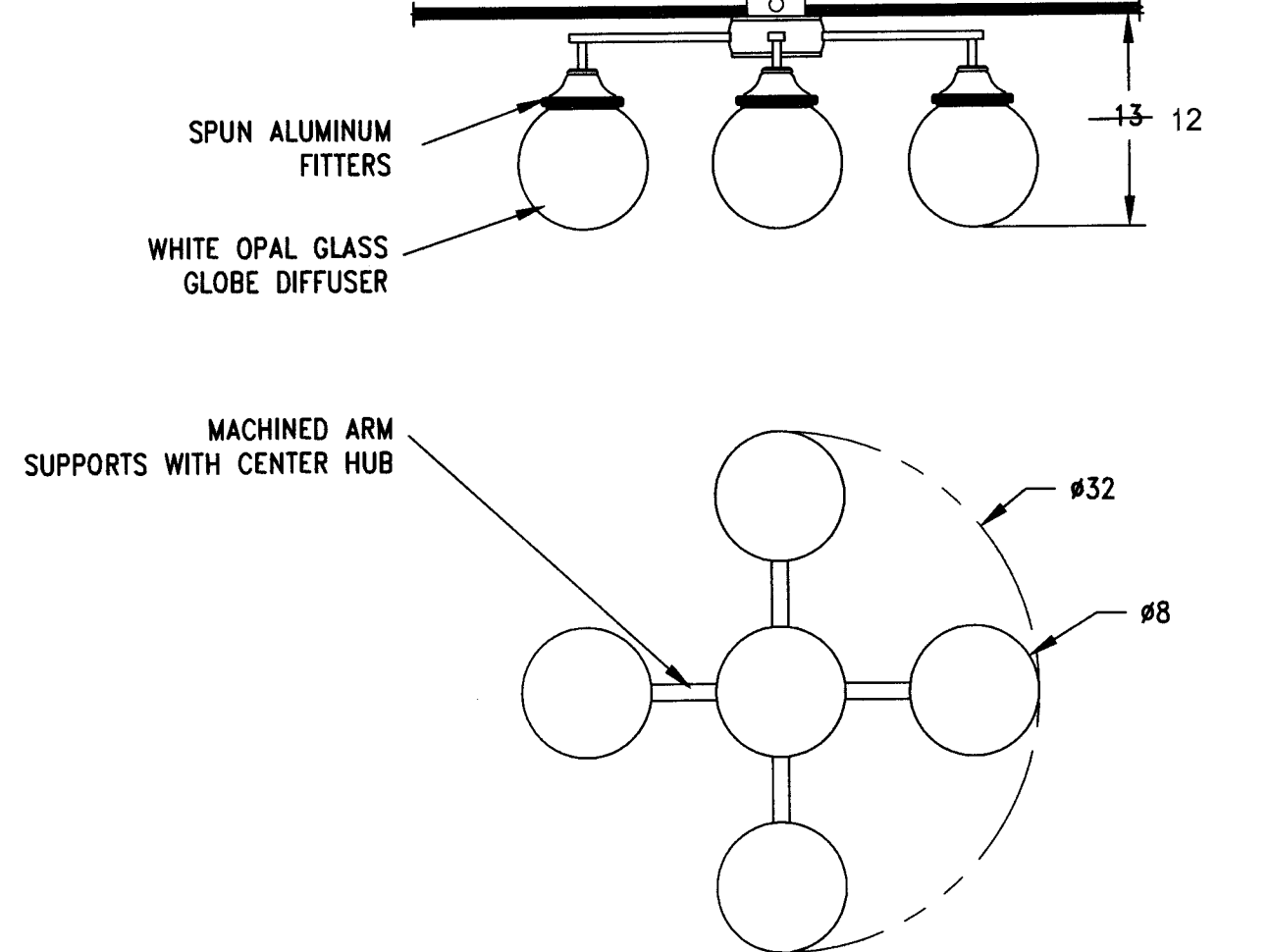
Recommended By (Name) GM

Company: SCN

Date: 11/9/15

FIXTURE NO.: CPI-3141-PT-5N60-120-GL	JOB NAME: YORK COUNTY COURTHOUSE, NC	JOB TYPE: F1
DRAWN BY: SLS	DATE DRAWN: 06/27/16	SCALE: 1:12
REVISED BY:	DATE REVISED:	REVISION: A
MANNING LIGHTING, INC. 1810 NORTH AVENUE, P.O. BOX 1063 SHEBOYGAN, WI 53082-1063, PH. 920.458.2184, FX. 920.458.2491, manninglight.com		

F1



FIRST FLOOR CORRIDOR AND PROBATE COURT ROOM

SPECIFICATIONS

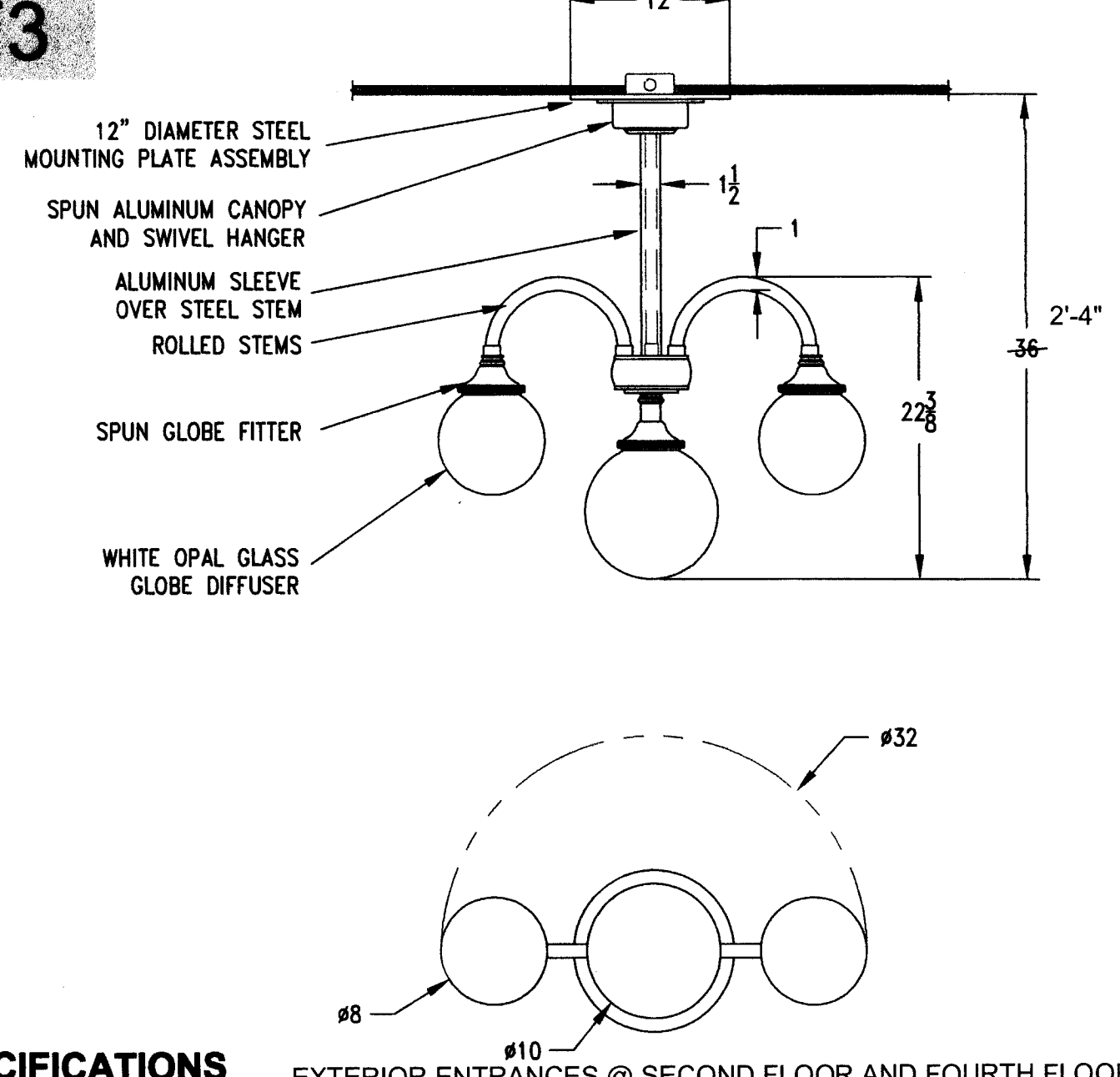
PLEASE NOTE: INDICATE ANY CHANGES TO THE FIXTURE AS SHOWN. BE AWARE THAT ANY CHANGES SPECIFIED MAY AFFECT COST, SCHEDULE AND REQUIRE AN UPDATED SUBMITTAL DRAWING. IF NO CHANGES ARE NOTED, MANNING LIGHTING WILL PRODUCE THE PRODUCT WITH THESE SPECIFICATIONS. DESIGN MODIFICATION RIGHTS RESERVED.

HOUSING: CONSISTS OF STEEL SUPPORT ARMS AND CENTER HUB, WITH OPAL WHITE GLASS GLOBES.
DIFFUSER: "GL" GLOBE DIFFUSERS ARE 8" DIA., AND 100% OPAL WHITE GLASS WITH GLOSS SURFACE FINISH.
LAMPING: PROVISIONS FOR (5) 60 WATT, 120 VOLT, A-19, MEDIUM BASE INCANDESCENT AND/OR LED LAMPS SUPPLIED BY OTHERS.
CIRCUITS: SINGLE CIRCUIT WIRING.
FINISH: "PT" ALL SURFACES ARE COATED WITH A LOW VOC, THERMO-CURE, POWDER COAT PAINT. FOR COLOR OPTIONS SEE PAGES 52-53 OF CATALOG C-12, WEB SITE OR CONTACT YOUR LOCAL AGENT.
MOUNTING: FIXTURE MOUNTS OVER A STANDARD OCTAGONAL ELECTRICAL BOX. ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS. FIXTURE IS SUITABLE FOR USE IN INTERIOR "DRY" LOCATIONS.

APPROVED: _____ DATE: _____ © 2016 MANNING LIGHTING

FIXTURE NO.: CPI-3124-PT-3N60-120-GL	JOB NAME: YORK COUNTY COURTHOUSE, NC	JOB TYPE: 3
DRAWN BY: SLS	DATE DRAWN: 05/16/16	SCALE: 1:12
REVISED BY:	DATE REVISED:	REVISION: F
MANNING LIGHTING, INC. 1810 NORTH AVENUE, P.O. BOX 1063 SHEBOYGAN, WI 53082-1063, PH. 920.458.2184, FX. 920.458.2491, manninglight.com		

F3



SPECIFICATIONS EXTERIOR ENTRANCES @ SECOND FLOOR AND FOURTH FLOOR

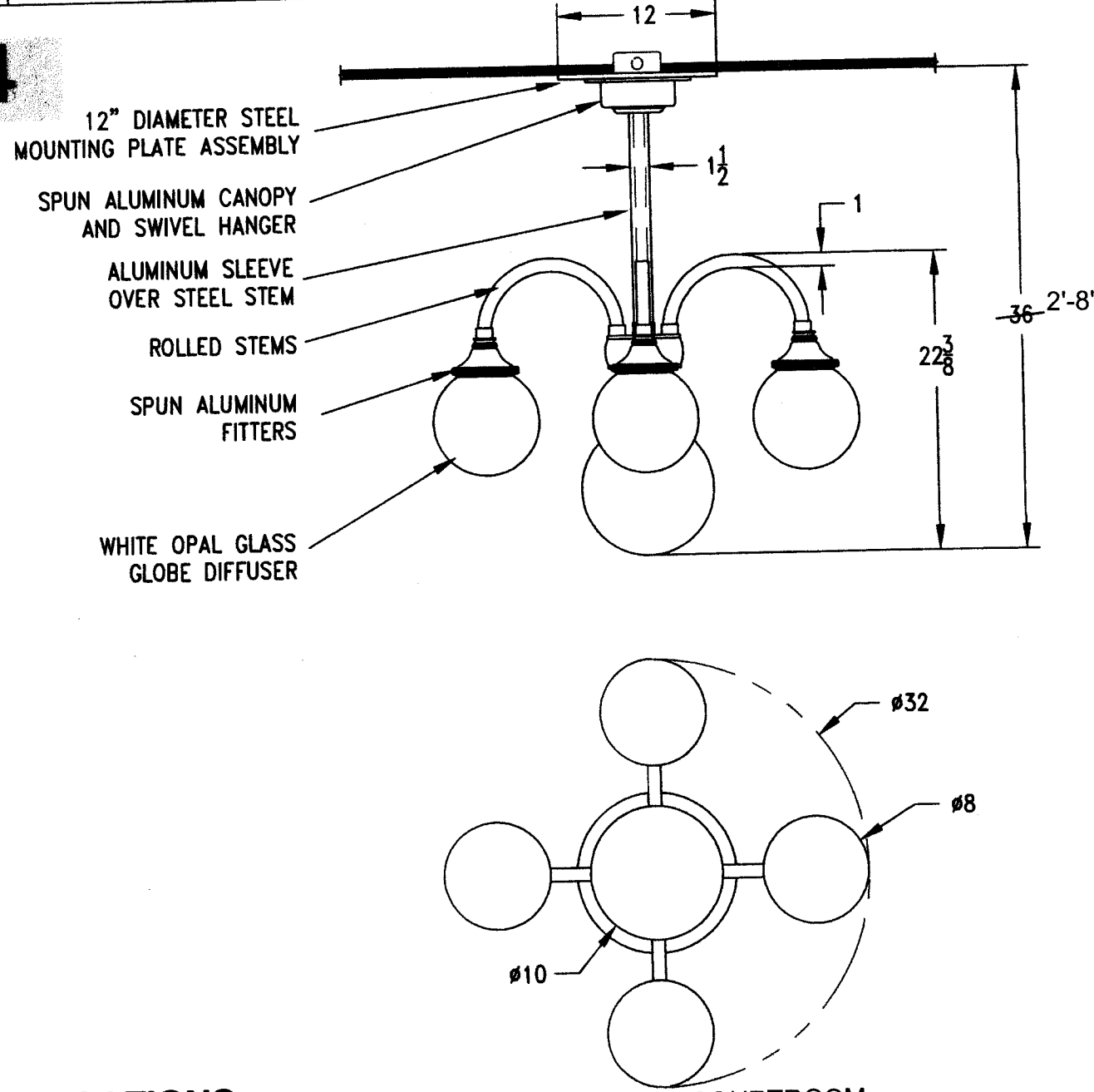
PLEASE NOTE: INDICATE ANY CHANGES TO THE FIXTURE AS SHOWN. BE AWARE THAT ANY CHANGES SPECIFIED MAY AFFECT COST, SCHEDULE AND REQUIRE AN UPDATED SUBMITTAL DRAWING. IF NO CHANGES ARE NOTED, MANNING LIGHTING WILL PRODUCE THE PRODUCT WITH THESE SPECIFICATIONS. DESIGN MODIFICATION RIGHTS RESERVED.

HOUSING: CONSISTS OF STEEL STEMS WITH AN ALUMINUM CENTER SUPPORT STRUCTURE, AND OPAL WHITE GLASS GLOBES.
DIFFUSER: "GL" GLOBE DIFFUSERS ARE 8"/10" DIA., AND 100% OPAL WHITE GLASS WITH GLOSS SURFACE FINISH.
LAMPING: PROVISIONS FOR (3) 60 WATT, 120 VOLT, A-19, MEDIUM BASE INCANDESCENT AND/OR LED LAMPS SUPPLIED BY OTHERS.
CIRCUITS: SINGLE CIRCUIT WIRING.
FINISH: "PT" ALL SURFACES ARE COATED WITH A LOW VOC, THERMO-CURE, POWDER COAT PAINT. FOR COLOR OPTIONS SEE PAGES 52-53 OF CATALOG C-12, WEB SITE OR CONTACT YOUR LOCAL AGENT.
MOUNTING: FIXTURE MOUNTS OVER A STANDARD OCTAGONAL ELECTRICAL BOX. ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS. FIXTURE IS SUITABLE FOR USE IN INTERIOR "DRY" LOCATIONS.

APPROVED: _____ DATE: _____ © 2016 MANNING LIGHTING

FIXTURE NO.: CPI-3125-PT-5N60-120-GL	JOB NAME: YORK COUNTY COURTHOUSE, NC	JOB TYPE: 4
DRAWN BY: SLS	DATE DRAWN: 05/16/16	SCALE: 1:12
REVISED BY:	DATE REVISED:	REVISION: E
MANNING LIGHTING, INC. 1810 NORTH AVENUE, P.O. BOX 1063 SHEBOYGAN, WI 53082-1063, PH. 920.458.2184, FX. 920.458.2491, manninglight.com		

F4



SPECIFICATIONS SECOND FLOOR CORRIDOR AND COURTROOM

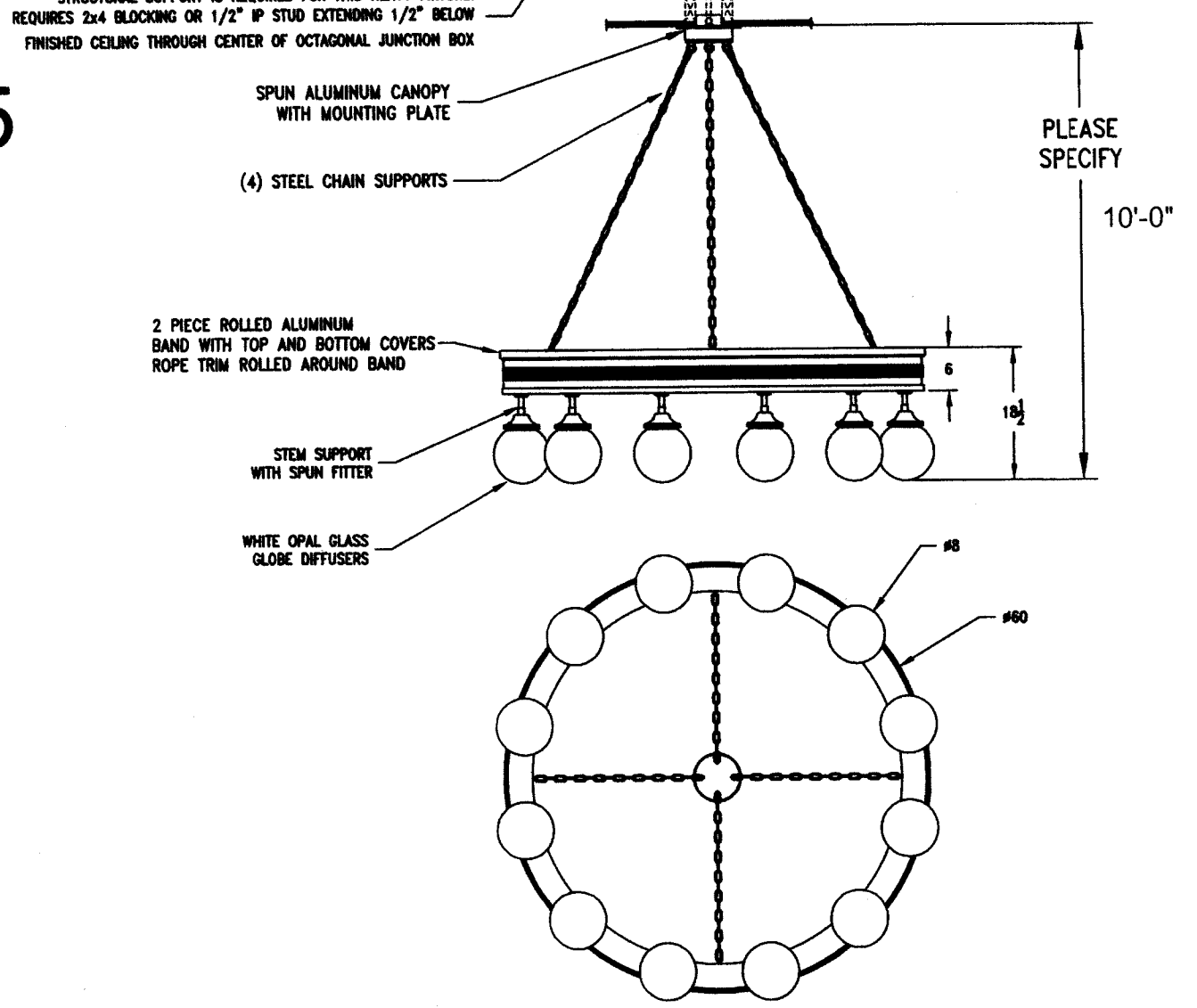
PLEASE NOTE: INDICATE ANY CHANGES TO THE FIXTURE AS SHOWN. BE AWARE THAT ANY CHANGES SPECIFIED MAY AFFECT COST, SCHEDULE AND REQUIRE AN UPDATED SUBMITTAL DRAWING. IF NO CHANGES ARE NOTED, MANNING LIGHTING WILL PRODUCE THE PRODUCT WITH THESE SPECIFICATIONS. DESIGN MODIFICATION RIGHTS RESERVED.

HOUSING: CONSISTS OF STEEL STEMS WITH AN ALUMINUM CENTER SUPPORT STRUCTURE, AND OPAL WHITE GLASS GLOBES.
DIFFUSER: "GL" GLOBE DIFFUSERS ARE 8"/10" DIA., AND 100% OPAL WHITE GLASS WITH GLOSS SURFACE FINISH.
LAMPING: PROVISIONS FOR (5) 60 WATT, 120 VOLT, A-19, MEDIUM BASE INCANDESCENT AND/OR LED LAMPS SUPPLIED BY OTHERS.
CIRCUITS: SINGLE CIRCUIT WIRING.
FINISH: "PT" ALL SURFACES ARE COATED WITH A LOW VOC, THERMO-CURE, AUTOMOTIVE QUALITY LACQUER. FOR COLOR OPTIONS SEE PAGES 52-53 OF CATALOG C-12, WEB SITE OR CONTACT YOUR LOCAL AGENT.
MOUNTING: FIXTURE MOUNTS OVER A STANDARD OCTAGONAL ELECTRICAL BOX. ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS. FIXTURE IS SUITABLE FOR USE IN INTERIOR "DRY" LOCATIONS.

APPROVED: _____ DATE: _____ © 2016 MANNING LIGHTING

FIXTURE NO.: CPI-3127-PT-12N60-120-GL	JOB NAME: YORK COUNTY COURTHOUSE NC	JOB TYPE: 5
DRAWN BY: SLS	DATE DRAWN: 03/22/16	SCALE: 1:24
REVISED BY: SLS	DATE REVISED: 05/05/16	REVISION: B
MANNING LIGHTING, INC. 1810 NORTH AVENUE, P.O. BOX 1063 SHEBOYGAN, WI 53082-1063, PH. 920.458.2184, FX. 920.458.2491, manninglight.com		

F5



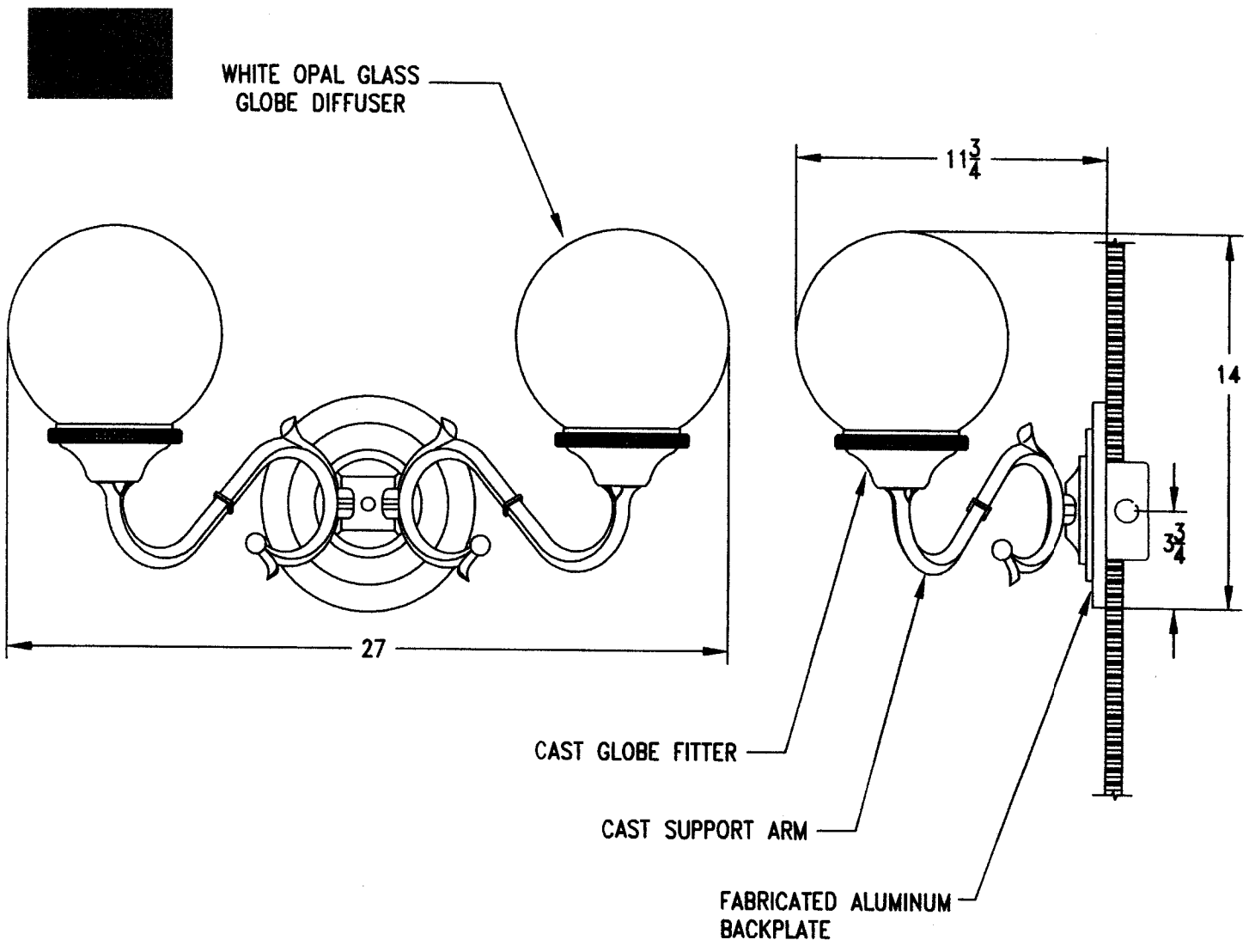
SPECIFICATIONS MAIN COURTROOM

PLEASE NOTE: INDICATE ANY CHANGES TO THE FIXTURE AS SHOWN. BE AWARE THAT ANY CHANGES SPECIFIED MAY AFFECT COST, SCHEDULE AND REQUIRE AN UPDATED SUBMITTAL DRAWING. IF NO CHANGES ARE NOTED, MANNING LIGHTING WILL PRODUCE THE PRODUCT WITH THESE SPECIFICATIONS. DESIGN MODIFICATION RIGHTS RESERVED.

HOUSING: CONSISTS OF ROLLED ALUMINUM TRIM BAND AND COVER PLATES, WITH SPUN ALUMINUM CANOPY AND CHAIN SUPPORTS.
DIFFUSER: "GL" GLOBE DIFFUSERS ARE 10" DIA AND 100% OPAL WHITE GLASS WITH GLOSS SURFACE FINISH.
LAMPING: PROVISIONS FOR (12) 60 WATT, 120 VOLT, A-19, MEDIUM BASE INCANDESCENT AND/OR LED LAMPS SUPPLIED BY OTHERS.
CIRCUITS: SINGLE CIRCUIT WIRING.
FINISH: "PT" ALL METAL SURFACES ARE COATED WITH A LOW VOC, THERMO-CURE, POWDER COAT PAINT. FOR COLOR OPTIONS SEE PAGES 52-53 OF CATALOG C-12, WEB SITE OR CONTACT YOUR LOCAL AGENT.
MOUNTING: FIXTURE MOUNTS OVER A STANDARD OCTAGONAL ELECTRICAL BOX. REQUIRES MOUNTING TO STRUCTURAL BLOCKING WITH ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS. FIXTURE IS SUITABLE FOR USE IN INTERIOR "DRY" LOCATIONS.

APPROVED: _____ DATE: _____ © 2016 MANNING LIGHTING

FIXTURE NO.: CBI-2748-PT-2N60-120-GL	JOB NAME: YORK COUNTY COURTHOUSE, NC	JOB TYPE: 6
DRAWN BY: SLS	DATE DRAWN: 05/13/16	SCALE: 1:6
REVISED BY:	DATE REVISED:	REVISION: C
MANNING LIGHTING, INC. 1810 NORTH AVENUE, P.O. BOX 1063 SHEBOYGAN, WI 53082-1063, PH. 920.458.2184, FX. 920.458.2491, manninglight.com		



SPECIFICATIONS STAIRWAYS, MAIN COURTROOM WALLS

PLEASE NOTE: INDICATE ANY CHANGES TO THE FIXTURE AS SHOWN. BE AWARE THAT ANY CHANGES SPECIFIED MAY AFFECT COST, SCHEDULE AND REQUIRE AN UPDATED SUBMITTAL DRAWING. IF NO CHANGES ARE NOTED, MANNING LIGHTING WILL PRODUCE THE PRODUCT WITH THESE SPECIFICATIONS. DESIGN MODIFICATION RIGHTS RESERVED.

HOUSING: SOLID CAST GLOBE FITTERS AND SUPPORT ARMS MOUNTED TO FABRICATED BACKPLATE.
DIFFUSER: "GL" GLOBE DIFFUSER IS 8" DIA, AND 100% OPAL WHITE GLASS WITH GLOSS SURFACE FINISH.
LAMPING: PROVISIONS FOR (2) 60 WATT, 120 VOLT, A-19, MEDIUM BASE FROSTED INCANDESCENT/LED LAMP SUPPLIED BY OTHERS.
CIRCUITS: SINGLE CIRCUIT WIRING.
FINISH: "PT" ALL METAL SURFACES ARE COATED WITH A LOW VOC, THERMO-CURE, POWDER COAT PAINT. FOR COLOR OPTIONS SEE PAGES 52-53 OF CATALOG C-12, WEB SITE OR CONTACT YOUR LOCAL AGENT.
MOUNTING: FIXTURE MOUNTS TO A STANDARD OCTAGONAL ELECTRICAL BOX. ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS. FIXTURE IS SUITABLE FOR USE IN INTERIOR "DRY" LOCATIONS.

APPROVED: _____ DATE: _____ © 2016 MANNING LIGHTING

MANNING LIGHTING		STEWART COOPER-NEWELL		YORK COUNTY COURTHOUSE					
SPECIFICATIONS									
GENERAL									
SPECIFICATIONS									
DETAILS									
NOTES									
APPENDIX									
INDEX									

1	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	REMARKS
2	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
3	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
4	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
5	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
6	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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75	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
76	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
77	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
78	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
79	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
80	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
81	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
82	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
83	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
84	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
85	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
86	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
87	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
88	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
89	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
90	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
91	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
92	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
93	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
94	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
95	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
96	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
97	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
98	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
99	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
100	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	

MANNING LIGHTING		STEWART COOPER-NEWELL		YORK COUNTY COURTHOUSE					
SPECIFICATIONS									
GENERAL									
SPECIFICATIONS									
DETAILS									
NOTES									
APPENDIX									
INDEX									

1	DESCRIPTION	QTY	UNIT	PRICE	TOTAL	REMARKS
2	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
3	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
4	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
5	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
6	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
7	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
8	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
9	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
10	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
11	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
12	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
13	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
14	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
15	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
16	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
17	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
18	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
19	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
20	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
21	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
22	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
23	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
24	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
25	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
26	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
27	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
28	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
29	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
30	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
31	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
32	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
33	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
34	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
35	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
36	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
37	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
38	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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40	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
41	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
42	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
43	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
44	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
45	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
46	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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50	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
51	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
52	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
53	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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60	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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62	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
63	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
64	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
65	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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67	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
68	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
69	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
70	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
71	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
72	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
73	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
74	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
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83	1000 WATT PARABOLIC REFLECTOR LIGHT	1	EA	10.00	10.00	
84	1000 WATT PARABOLIC REFLECTOR LIGHT					

LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	LAMP	# OF LAMPS	TOTAL FIXTURE WATTAGE	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	MODEL		REMARKS
A1	PENDENT MOUNTED HISTORIC FIXTURE WITH MULTIPLE GLOBES									SEE ARCHITECTURAL SPECIFICATION FOR PRICE ALLOWANCE. MOUNT FIXTURE TO EXISTING LOWERING SYSTEM.
A3	PENDENT MOUNTED HISTORIC FIXTURE WITH TWO WHITE ARM MOUNTED GLOBES									SEE ARCHITECTURAL SPECIFICATION FOR PRICE ALLOWANCE.
A4	SURFACE MOUNTED HISTORIC FIXTURE WITH TWO WHITE ARM MOUNTED GLOBE, 17"x14"x9"									SEE ARCHITECTURAL SPECIFICATION FOR PRICE ALLOWANCE. ROUTE POWER TO THE FIXTURE RECESSED IN THE EXISTING PLASTER WALL TO FIXTURE. ACCESS IS AVAILABLE FROM UNDER THE FLOOR.
A5	SURFACE MOUNTED HISTORIC FIXTURE WITH "X" GLOBE AND "X" FINISH									SEE ARCHITECTURAL SPECIFICATION FOR PRICE ALLOWANCE.
C	RECESSED LED DOWNLIGHT	2000 LUMEN	NA	35	DRIVER	120	LITHONIA PRESCOUT SPECTRUM	UNDC		PROVIDE WITH 0-10V DIMMING WHERE DIMMER CONTROL IS SHOWN.
CK	SAME AS TYPE C BUT WITH 1100 LUMEN BATTERY BACKUP									UNDER GENERATOR ALTERNATE DELETE BATTERY BACKUP
C1	RECESSED LED DOWNLIGHT	6000 LUMEN	NA	110	DIMMABLE DRIVER DRIVER		LITHONIA OR EQUAL	ICO-35/30-6AR-700		PROVIDE WITH 0-10V DIMMING WHERE DIMMER CONTROL IS SHOWN.
C1X	SAME AS TYPE C BUT WITH BATTERY BACKUP									
L3	2X4 VOLUMETRIC LAY-IN TROFFER	32W T8	2	64W			LITHONIA WILLIAMS COLUMBIA COOPER DAY-BRITE	2RTS 2 32V-AUTO BSNP LBSHITS HEG-524-232-A-EBS-D-EP24 ACCORD SERIES ATTUNE		PROVIDE WITH 10% DIMMING BALLAST AND COMPATIBLE CONTROLS WHERE DIMMING IS INDICATED.
L4	2X4 VOLUMETRIC LAY-IN TROFFER	55W T8HO	2	110W			LITHONIA OR EQUAL BY WILLIAMS, COLUMBIA, DAY-BRITE, COOPER	2RTS		PROVIDE WITH 10% DIMMING BALLAST AND COMPATIBLE CONTROLS WHERE DIMMING IS INDICATED.
N1	4 FT. FLUORESCENT STRIP	32W T8	2	64W	1-2 LAMP RAPID START BALLAST		LITHONIA WILLIAMS MERCURY COOPER DAY-BRITE	C232-OCTRON 76-4-232 MERCURY 55232 OCTRON 7-2-32		PROVIDE WIRE GUARD PROVIDE CHAIN FOR PENDANT APPLICATIONS
P	ELEVATOR PIT LIGHT	150WA	1	150	NA	120	DAY-BRITE HUBBELL STONCO OR EQUAL	VFW VVWL	NV2	
P1	DECORATIVE SURFACE MOUNTED	3500 LUMEN LED	NA	40	DRIVER	120	OCLC OR EQUAL	IS-1145		
P2	EXISTING EXTERIOR DECORATIVE POLE MOUNTED FIXTURES CLEANED, REPAIRED, REPAINTED AND RELAMPED COMPLETE FIXTURE, POLE AND BASE	150W	5	750	NA	120	EXISTING	REFURBISHED BY JEFFERSON LIGHTSMITH, CRENSHAW OR CRAFT METAL PRODUCTS		
SR	4 FT. FLUORESCENT STRIP WITH REFLECTOR	F032W T8	2	55W	1-2 LAMP INSTANT START BALLAST		LITHONIA WILLIAMS COOPER DAY-BRITE	C232-76-4-552 T2		PROVIDE ASYMMETRICAL REFLECTOR.
T	WALL MOUNTED EGRESS WITH BATTERY BACKUP	2500 LUMEN	NA	20	DRIVER	120	DECO LIGHTING OR EQUAL	D441-LED-20-41-UNIV-8Z-EMB		UNDER GENERATOR ALTERNATE DELETE EMERGENCY BATTERY.
V	WALL MOUNTED SCONCE	1350 LUMEN	NA	31	DRIVER	120	WAC	FM-4014-3000-BN		UNDER GENERATOR ALTERNATE DELETE EMERGENCY BATTERY.
W	WALL MOUNTED FLUORESCENT WITH BATTERY BACKUP	32W T8	2	64W	INSTANT START	120	WILLIAMS OR EQUAL	29-4-2-32-A		UNDER GENERATOR ALTERNATE DELETE EMERGENCY BATTERY.
XA	CONCEALED EMERGENCY EGRESS LIGHT	35W MR16	2	70			CONCEALALITE	FS-50-90-X		UNDER GENERATOR ALTERNATE DELETE EMERGENCY BATTERY.
XB	WALL MOUNTED BATTERY PACK	FURNISHED	2	7.2	NA	120	DUAL-LITE LITHONIA	EZ21		PROVIDE UNSWITCHED HOT LEG
XC	POLYCARBONATE WITH WHITE HOUSING, BATTERY BACKUP	LED	LED	1W	INTEGRAL LED DRIVER	UNIV	LITHONIA HUBBELL JUNO COOPER PHILLIPS	QUANTUM LQMS W R 120/277 ELN DUAL LITE LX U R W E NAVILLITE XP8A R WH SURE-LITES LPX 7 CHLORIDE		NICKEL CADMIUM BATTERY EXIT SIGN 90 MINUTE OPERATION RED TEST SWITCH PROVIDED UL LISTED FOR DAMP LOCATIONS
X	EDGE LIGHTED EXIT SIGN WITH BATTERY BACKUP	LED	LED	1W	INTEGRAL LED DRIVER	UNIV	LITHONIA HUBBELL JUNO COOPER PHILLIPS	LRP 1 RMR/RC 120/277 ELN DUAL LITE LX U R W E NAVILLITE SURE-LITES CHLORIDE		NICKEL CADMIUM BATTERY EXIT SIGN, SEE PLANS FOR FACE STYLE AND QTY 90 MINUTE OPERATION RED TEST SWITCH PROVIDED UL LISTED FOR DAMP LOCATIONS

LIGHTING FIXTURE SCHEDULE NOTES:

1. ALL LAMPS SHALL BE OSRAM/SYLVANIA UNLESS OTHERWISE NOTED. ALL FLUORESCENT LAMPS SHALL BE 3500K AS SPECIFIED. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC AS SPECIFIED. SUBMITTAL SHEETS SHALL BE SUBMITTED WITH FIXTURE SUBMITTALS. FLUORESCENT LAMP AND BALLAST WARRANTY SHALL BE COMPLETED BY CONTRACTOR AND TURNED OVER TO OWNER AT END OF PROJECT.
2. SUBSTITUTIONS APPROVED BY THE ENGINEER PREVIOUS TO BID ARE ACCEPTABLE AS LONG AS THEY ARE EQUAL TO THE FIXTURE SPECIFIED, UNLESS OTHERWISE NOTED. THIS INCLUDES LENS, COLORS, REFLECTORS, PHOTOMETRICS, HOUSING MATERIALS, FINISHES, ETC. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER WITH CUT SHEETS FOR APPROVAL. LABELS INDICATING THAT THE LAMP WATTAGE SPECIFIED ABOVE IS THE MAXIMUM ALLOWABLE IN FIXTURE.
3. ALL INCANDESCENT LIGHT FIXTURES SHALL HAVE A UL LABEL INDICATING THAT THE LAMP WATTAGE SPECIFIED ABOVE IS THE MAXIMUM ALLOWABLE IN FIXTURE.
4. ALL 3 AND 4 LAMP ELECTRONIC BALLASTS SHALL HAVE INBOARD/OUTBOARD SWITCHING AS INDICATED ON THE DRAWINGS. TANDUM FIXTURES ARE ALLOWED TO FACILITATE INBOARD/OUTBOARD SWITCHING.
5. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
6. ALIGN ALL HORIZONTAL FLUORESCENT DOWNLIGHTS SO THAT THE COMPACT FLUORESCENT LAMPS ARE ALIGNED IN THE SAME DIRECTION.
7. FIXTURES SHALL BE FIRE RATED.
8. ALL METAL HAUDE LAMPS SHALL HAVE A CRI OF NOT LESS THAN 70.
9. ALL ELECTRONIC BALLASTS FOR T5 (5/8" DIAMETER) LAMPS AND BELOW SHALL HAVE END OF LIFE SHUTDOWN PROTECTION.
10. PROVIDE LOW-TEMP (DOF MINIMUM) BALLASTS FOR ALL FIXTURES INSTALLED IN INTERIOR LOCATIONS OR OTHER AREAS SUBJECT TO COLD WEATHER.
11. SUSPEND ALL FOUR CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.
12. FLUORESCENT FIXTURES WITH EMERGENCY BATTERY PACKS SHALL BE SUPPLIED WITH 1100 LUMEN INVERTERS.
13. MODULAR WIRING ("RELOC") SYSTEMS ARE AN ACCEPTABLE WIRING METHOD FOR LIGHTING CIRCUITS.
14. DIMMING OF FLUORESCENT FIXTURES SHALL BE WITH A SWITCH AS RECOMMENDED BY THE BALLAST MANUFACTURER.
15. FLUORESCENT LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN A PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OR EXTERNAL TO EACH LUMINAIRE PER NEC 410.130.G
16. ALL METAL HAUDE LAMPS AND BALLASTS SHALL MEET OR EXCEED THE ENERGY INDEPENDENCE AND SECURITY ACT 2007 (EISA) REQUIREMENTS.
17. THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
18. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
19. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
20. ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
21. FIXTURES TO BE INSTALLED IN CEILING, INDICATED ON ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH CEILING SURFACE, SHALL BE IC RATED BY MANUFACTURER.
22. BALLAST BY ADVANCE, GE OR UNIVERSAL TRADE ARE ACCEPTABLE FOR SUBSTITUTION PROVIDED THEY MEET INTENDED CRITERIA AS LISTED IN THIS SCHEDULE.
23. FIXTURES SHALL MEET "BUY AMERICA ACT" TO QUALIFY FOR THIS PROJECT.
24. PROVIDE 90 MINUTE EMERGENCY BATTERY BACKUP. EMERGENCY BACKUP SHALL BE BASED ON TYPE OF FIXTURE, LED DRIVER, BALLAST, ETC. EMERGENCY BACKUP SHALL BE DUAL INPUT FOR BOTH SWITCHING AND CHARGING. PROVIDE UNSWITCHED "HOT" FROM LOCAL CIRCUIT UNLESS OTHERWISE INDICATED ON PLANS. PROVIDE WITH INDICATOR LIGHT. INSTALL LED INDICATOR ON LIGHT FIXTURE UNLESS DECORATIVE. DECORATIVE FIXTURES SHALL HAVE INDICATOR PLACED AT LOCAL CEILING. BOONIE, PHILLIPS, POWER SENTRY OR EQUAL.
25. PROVIDE EMERGENCY RELAY BASED ON MINIMUM GTD20A OR EQUAL. INDIVIDUAL FIXTURES MAY UTILIZE GTD (NON 20A.) SEE PLANS FOR INTENT. PROVIDE EMERGENCY GENERATOR/INVERTER CIRCUIT AND SWITCH LEG NORMAL CIRCUIT. SEE DETAIL.
26. POLES PROVIDED FOR LED FIXTURES SHALL BE METAL, REGARDLESS OF SPECIFICATION FOR GROUNDING PURPOSES.
27. LED DRIVERS SHALL BE PROVIDED FROM PER MANUFACTURER RECOMMENDATION. AS PART OF THIS RECOMMENDATION COORDINATE THE REQUIRED WAVE OUTPUT SO THEY ARE COMPATIBLE. THIS INCLUDES EMERGENCY DRIVERS.

EMERGENCY POWER SYSTEM

GENERAL

1. CONTRACTOR SHALL FURNISH AND INSTALL, AS INDICATED ON THE PLANS AND AS HEREIN SPECIFIED, A COMPLETE SYSTEM FOR THE GENERATION, CONTROL, AND DISTRIBUTION OF ELECTRICAL POWER UPON FAILURE OF NORMAL SOURCE.
2. SYSTEM SHALL INCLUDE: ENGINE-GENERATOR UNIT, AUTOMATIC TRANSFER SWITCHES, NO. 2 FUEL OIL (DIESEL) FUEL SUPPLY SYSTEM, AND ALL OTHER WIRING, RACEWAYS, EQUIPMENT, HARDWARE, ETC., NECESSARY FOR A COMPLETE AND PROPERLY FUNCTIONING SYSTEM, WHETHER OR NOT EVERY SUCH ITEM IS SPECIFICALLY SHOWN OR MENTIONED.
3. SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 37, NFPA 110, NEC ARTICLE 700, UL 2200, STATE BUILDING CODE, AND ALL LOCAL CODES AND REQUIREMENTS.
4. UPON FAILURE TO NORMAL POWER SOURCE TO THE AUTOMATIC TRANSFER SWITCH, SYSTEM SHALL FUNCTION AUTOMATICALLY TO TRANSFER POWER TO DESIGNATED LOADS FROM THE ENGINE-GENERATOR SET WITHIN 10 SECONDS.
5. POWER RATING OF THE ENGINE-GENERATOR SET SHALL BE BASED ON OPERATION AT 1800 RPM WHEN EQUIPPED WITH ALL NECESSARY OPERATION ACCESSORIES SUCH AS AIR CLEANERS, LUBRICATING OIL PUMP, JACKET WATER PUMP, GOVERNOR, ALTERNATING CURRENT GENERATOR, AND EXCITER REGULATOR. RADIATOR FAN SHALL BE INCLUDED AS NECESSARY OPERATING ACCESSORY. RATING SHALL APPLY AT SITE CONDITIONS.
6. THE ENGINE SHALL BE WATER-COOLED, FOUR-STROKE CYCLE.
7. THE ENGINE SHALL BE COMPRESSION IGNITION DIESEL WHICH MEETS SPECIFICATIONS FOR OPERATING ON NO. 2 FUEL OIL.
8. THE ENGINE SHALL BE EQUIPPED WITH LUBE OIL, INTAKE AIR FILTERS, LUBE OIL COOLER, FUEL TRANSFER PUMP, FUEL PRIMING PUMP, RUNNING TIME METER, CHARGING ALTERNATOR, WATER PUMP, AND INSTRUMENTS, INCLUDING A FUEL PRESSURE GAUGE, WATER TEMPERATURE GAUGE, LUBRICATING OIL PRESSURE GAUGE AS HEREIN SPECIFIED.
9. AN AUTOMATIC VOLTS PER HERTZ TYPE, SOLID STATE EXCITER/REGULATOR, MOUNTED INSIDE THE GENERATOR MANUFACTURER, SHALL BE INCLUDED AND SHOCK LOAD TO FULL RATED LOAD. READILY ACCESSIBLE VOLTAGE DROOP, VOLTAGE LEVEL, AND VOLTAGE GAIN CONTROLS SHALL BE INCLUDED IN THE MODULE. VOLTAGE LEVEL FOLLOWING PROTECTIVE FEATURES:
10. VOLTAGE REGULATOR SHALL BE THREE PHASE SENSING. SINGLE SENSING SHALL NOT BE ACCEPTABLE.
11. AN ENGINE-MOUNTED RADIATOR WITH FLOWER-TYPE FAN SHALL BE PROVIDED TO MAINTAIN SAFE OPERATION AT 110 DEGREES F (43 DEGREES C) AMBIENT TEMPERATURE. TOTAL AIR FLOW RESTRICTION TO AND FROM THE RADIATOR SHALL NOT EXCEED 0.5 IN. H2O (0.12 KPA).
12. THE ENGINE COOLING SYSTEM SHALL BE PRETREATED BY THE ENGINE SUPPLIER FOR THE INHIBITION OF INTERNAL CORROSION. IN ADDITION, A SOLUTION OF 50% ETHYLENE GLYCOL SHALL BE ADDED, TO PREVENT FREEZING OF SYSTEM DUE TO EXTREME TEMPERATURES.
13. A CRITICAL EXHAUST SILENCER, AND ALL REQUIRED ACCESSORIES AND FITTINGS, SHALL BE PROVIDED. THE EXHAUST SILENCER SHALL BE MOUNTED DIRECTLY ON THE EXHAUST ELBOW OF THE ENGINE AND SUCH THAT ITS WEIGHT IS NOT SUPPORTED BY THE ENGINE. NO WILL EXHAUST SYSTEM GROWTH, DUE TO THERMAL EXPANSION, BE IMPOSED ON THE ENGINE. THE EXHAUST PIPE SIZE SHALL BE SUFFICIENT TO ENSURE THAT EXHAUST BACK-PRESSURE DOES NOT EXCEED THE MAXIMUM LIMITATIONS SPECIFIED BY THE ENGINE MANUFACTURER.
14. THE ENGINE SHALL BE EQUIPPED WITH A 12 VOLT ELECTRIC STARTING SYSTEM WITH POSITIVE ENGAGEMENT DRIVE AND OF SUFFICIENT CAPACITY TO CRANK THE ENGINE AT A SPEED WHICH WILL START THE ENGINE UNDER OPERATING CONDITIONS. THE STARTING PINION WILL DISENGAGE AUTOMATICALLY WHEN THE ENGINE STARTS. THE STARTING SYSTEM SHALL INCORPORATE AN AUTOMATICALLY RESET CIRCUIT BREAKER FOR ANTIBUTT ENGAGEMENT.
15. FULLY AUTOMATIC GENERATOR SET START-STOP CONTROLS IN THE GENERATOR CONTROL PANEL SHALL BE PROVIDED. CONTROLS SHALL PROVIDE SHUTDOWN FOR LOW OIL PRESSURE, HIGH WATER TEMPERATURE, OVERSPEED, OVERCRANK, AND ONE AUXILIARY CONTACT FOR ACTIVATING ACCESSORY ITEMS. CONTROLS SHALL INCLUDE ONE 30-SECOND CRACKING CYCLE WITH LOCKOUT AND MANUAL RESET FEATURE.
16. AN ENGINE-MOUNTED THERMAL CIRCULATION TANK-TYPE IMMERSION WATER HEATER INCORPORATING AN ADJUSTABLE THERMOSTATIC SWITCH SHALL BE FURNISHED TO MAINTAIN ENGINE JACKET WATER TO 90 DEGREES F (32.2 DEGREES C) IN A STILL AIR. AMBIENT TEMPERATURE OF 30 DEGREES F (-1.1 DEGREES C). THE HEATER SHALL BE 208 VOLT, SINGLE PHASE, 3KW, 60HZ, VEE-TYPE ENGINES OF 12 CYLINDERS OR MORE SHALL HAVE ONE HEATER PER EACH BANK OF CYLINDERS.
17. A LEAD-ACID STORAGE BATTERY SET OF THE HEAVY-DUTY DIESEL STARTING TYPE SHALL BE PROVIDED. BATTERY VOLTAGE SHALL BE COMPATIBLE WITH THE STARTING SYSTEM. THE BATTERY SET SHALL BE RATED NO LESS THAN 220 AMPERE HOURS. A BATTERY RACK CONSTRUCTED IN CONFORMANCE WITH NEC REQUIREMENTS AND NECESSARY CABLES AND CLAMPS SHALL BE PROVIDED. BATTERIES SHALL BE CAPABLE OF CRANKING ENGINE AT RATED AMBIENT FOR A MINIMUM OF FIVE MINUTES.
18. A CURRENT LIMITING, FLOAT-EQUALIZE CHARGER SHALL BE FURNISHED TO AUTOMATICALLY RECHARGE BATTERIES. THE CHARGER SHALL FLOAT AT 2.17 VOLTS PER CELL AND EQUALIZE AT 2.33 VOLTS PER CELL. IT SHOULD INCLUDE OVERLOAD PROTECTION, SILICON DIODE FULL WAVE RECTIFIERS, VOLTAGE SURGE SUPPRESSORS, DC AMMETER, AND FUSED C OUTPUT. AC INPUT VOLTAGE SHALL BE 120 VOLTS, SINGLE PHASE. AMPERAGE OUTPUT SHALL BE NO LESS THAN 5 AMPERES. CHARGER SHALL BE WALL MOUNTING TYPE, IN NEMA 1 ENCLOSURE.
19. MAIN LINE MOLDED CASE, THREE-PHASE, SINGLE THROW CIRCUIT BREAKERS RATED AS INDICATED ON THE DRAWINGS, AT 104 DEGREES F (40 DEGREES C) AMBIENT TEMPERATURE SHALL BE INSTALLED FOR THREE PHASE OVERLOADS AND/OR SHORT CIRCUIT PROTECTION. THESE RATINGS SHALL INCLUDE AT LEAST 10% ADDITIONAL CAPACITY FOR OVERLOAD AND SHORT CIRCUIT CONDITIONS.
20. GENERATOR SHALL BE PROVIDED WITH THE FOLLOWING NON-STANDARD OPTIONS: EXTENDED WARRANTY, CRITICAL EXHAUST SILENCER, FLEXIBLE FUEL LINES, AND 21-LIGHT REMOTE ANNUNCIATOR SUITABLE FOR LEVEL 1 OPERATION.

WP ENCLOSURE (SOUND-ATTENUATED)

1. THE WEATHERPROOF, SOUND-ATTENUATED (LEVEL II) ENCLOSURE FOR THE GENERATOR AND ALL OTHER ITEMS SHALL BE DESIGNED AND BUILT BY THE ENGINE MANUFACTURER AS AN INTEGRAL PART OF THE ENTIRE GENERATOR SET AND BE DESIGNED TO PERFORM WITHOUT OVERHEATING IN THE AMBIENT TEMPERATURE SPECIFIED.
2. THE EXHAUST SILENCER SHALL BE MOUNTED IN THE WEATHERPROOF, SOUND-ATTENUATED ENCLOSURE, ENCLOSURE AND PROTRUDE THROUGH THE ENCLOSURE. A RAIN CAP SHALL BE PROVIDED.
3. THE UNIT SHALL BE CONSTRUCTED OF 16 GAUGE CORROSION RESISTANT SHEET METAL, SUITABLY REINFORCED TO BE VIBRATION FREE IN THE OPERATING MODE. THE ROOF SHALL BE DESIGNED TO ALLOW DRAINAGE OF RAIN WATER.
4. THE UNIT SHALL HAVE A BAKED ENAMEL FINISH WITH PRIMER AND CUSTOM COLOR FINISH COAT (TO BE SELECTED BY THE ARCHITECT) TO BE PAINTED BEFORE ASSEMBLY. ALL FASTENERS SHALL BE RUST RESISTANT.
5. THE UNIT SHALL HAVE SUFFICIENT GUARDS TO PREVENT ENTRANCE BY SMALL ANIMALS.
6. THE BATTERIES SHALL FIT INSIDE ENCLOSURE AND ALONG SIDE THE ENGINE. BATTERIES UNDER THE GENERATOR ARE NOT ACCEPTABLE.
7. THE UNIT SHALL HAVE COOLANT AND OIL DRAINS OUTSIDE THE UNIT TO FACILITATE MAINTENANCE. EACH DRAIN LINE SHALL HAVE A HIGH QUALITY VALVE LOCATED NEAR THE FLUID SOURCE.

SUB-BASE FUEL TANK

1. THE SUB-BASE FUEL TANK SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEMA, UL, AND ASTM STANDARDS.
2. THE FUEL TANK SHALL BE DOUBLE-WALLED WITH LEAK DETECTION AND ALARM CONNECTED TO THE REMOTE STATUS MONITOR AND CONTROL PANEL.
3. THE FUEL TANK SHALL HAVE 48 HOURS OF CAPACITY.
4. MONITORED FUEL LEVELS SHALL BE CRITICAL HIGH, AND CRITICAL LOW (SHUT-OFF). PROVIDE FUEL LEVEL STATUS AT THE CONTROL AND REMOTE ANNUNCIATOR PANEL.

AUTOMATIC TRANSFER SWITCH (ATS)

1. PROVIDE AND INSTALL AUTOMATIC TRANSFER SWITCH(ES) TO OPERATE ON A 3-PHASE, 4-WIRE, 60HZ SYSTEM VOLTAGE. VOLTAGE AND AMPERAGE AND OTHER REQUIREMENTS SHALL BE AS NOTED ON THE DRAWINGS. THE TRANSFER SWITCH SHALL BE 3-POLE WITH SOLID NEUTRAL UNLESS INDICATED AS 4-POLE ON THE POWER RISE DIAGRAM. THE ENTIRE ASSEMBLY SHALL BE UL LISTED UNDER UL-1008 AND COMPLY WITH NATIONAL ELECTRICAL CODE REQUIREMENTS.
2. THE TRANSFER SWITCH SHALL BE DOUBLE THROW, ACTUATED BY A SINGLE ELECTRICAL OPERATOR, MOMENTARILY ENERGIZE, AND CONNECTED TO THE TRANSFER MECHANISM BY A SINGLE OVER-CENTER-TYPE LINKAGE WITH A TOTAL TRANSFER TIME NOT TO EXCEED ONE-HALF SECOND. THE TRANSFER SWITCH SHALL BE CAPABLE OF TRANSFERRING SUCCESSFULLY IN EITHER DIRECTION WITH 70% OF RATED VOLTAGE APPLIED TO THE SWITCH TERMINALS SLOWLY.
3. THE NORMAL AND EMERGENCY CONTACTS SHALL BE POSITIVELY INTERLOCKED MECHANICALLY AND ELECTRICALLY TO PREVENT SIMULTANEOUS CLOSING. THE MAIN CONTACTS SHALL BE MECHANICALLY LOCKED IN POSITION IN BOTH THE NORMAL AND EMERGENCY POSITIONS WITHOUT THE USE OF HOOKS, LATCHES, MAGNETS OR SPRINGS AND SHALL BE SILVER-TUNGSTEN ALLOY. SEPARATE ARCING CONTACTS, WITH MAGNETIC BLOWOUTS, SHALL BE PROVIDED ON ALL TRANSFER SWITCHES. INTERLOCKED MOLDED CASE CIRCUIT BREAKERS OR CONTACTORS ARE NOT ACCEPTABLE. THE TRANSFER SWITCH SHALL BE EQUIPPED WITH A PERMANENTLY ATTACHED SAFE MANUAL OPERATOR DESIGNED TO PREVENT INJURY TO OPERATING PERSONNEL.
4. THE MANUAL OPERATOR SHALL PROVIDE A SAME CONTACT-TO-CONTACT TRANSFER SPEED AS THE ELECTRICAL OPERATOR TO PREVENT A FLASH-OVER FROM SWITCHING THE MAIN CONTACTS SLOWLY.
5. PROVIDE INTEGRAL MODULE OPTION FOR INTERFACE TO BAS CONTROLS. CONTRACTOR SHALL COORDINATE WITH BAS CONTRACTOR FOR EXACT REQUIREMENTS, PROTOCOL LANGUAGE, APPURTENANCES, ETC. PRIOR TO SUBMITTING SUBMITTALS FOR REVIEW.
6. TRANSFER SWITCHES SHALL BE SUITABLE TO CLOSE ON THE MAXIMUM AVAILABLE FAULT CURRENT WHEN SERVED BY ANY BREAKER OR FUSE.

TESTING AND COMMISSIONING

1. CAREFULLY "OHM" OUT CONTROL WIRING BETWEEN THE ATS AND GENERATOR SET PRIOR TO CONNECTING, CHECKING FOR OPENS, SHORTS, AND/OR GROUNDS. TEST THE ATS FUNCTIONS PRIOR TO CONNECTING LOAD. PRIOR TO CONNECTION, CHECK THE NORMAL AND EMERGENCY INPUT FEEDERS FOR INSULATION BREAKAGE, OPENS, SHORTS, AND/OR GROUNDS.
2. UPON COMPLETION OF THE INSTALLATION, START-UP SHALL BE PERFORMED BY THE GENERATOR SET MANUFACTURER, OR A TRAINED DEALER SERVICE REPRESENTATIVE. PARTS BOOKS COVERING THE ENGINE, GENERATOR, AND MAJOR AUXILIARY EQUIPMENT SHALL BE PROVIDED TO THE OWNER AT THIS TIME. PROCEDURES FOR OPERATING AND MAINTENANCE OF THE SYSTEM SHALL BE EXPLAINED TO OPERATING PERSONNEL.
3. EQUIPMENT FURNISHED UNDER THIS SPECIFICATION SHALL BE GUARANTEED AGAINST DEFECTIVE PARTS AND WORKMANSHIP UNDER THE MANUFACTURER'S AND DEALER'S STANDARD WARRANTY, BUT IN NO EVENT, SHALL IT BE FOR A PERIOD OF LESS THAN TWO YEARS FROM DATE OF INITIAL START-UP OF THE SYSTEM AND SHALL INCLUDE LABOR AND TRAVEL TIME FOR NECESSARY REPAIRS AT THE JOB SITE. RUNNING HOURS SHALL NOT BE A LIMITING FACTOR FOR THE SYSTEM WARRANTY.
4. SYSTEM TESTING SHALL INCLUDE AN 8-HOUR, 100% LOAD BANK TEST AS WELL AS VERIFICATION OF ALL ATS TRANSFER AND OPERATION FUNCTIONS AND SETPOINTS.

NOTE

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Project No.
1390

Date
07-10-2015

Drawn
JCC

Checked
BET

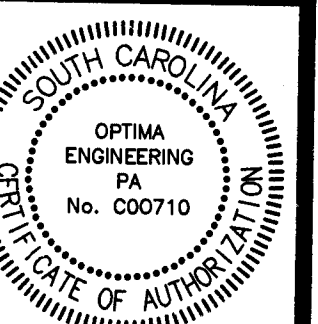
Revisions
ADDENDUM 2, 8-7-15



719 East Second Avenue
Gastonia, NC 28054
Phone: 704-865-6311
Fax: 704-865-0046

9133 Two Notch Road
Columbia, SC 29223
Phone: 803-765-9011

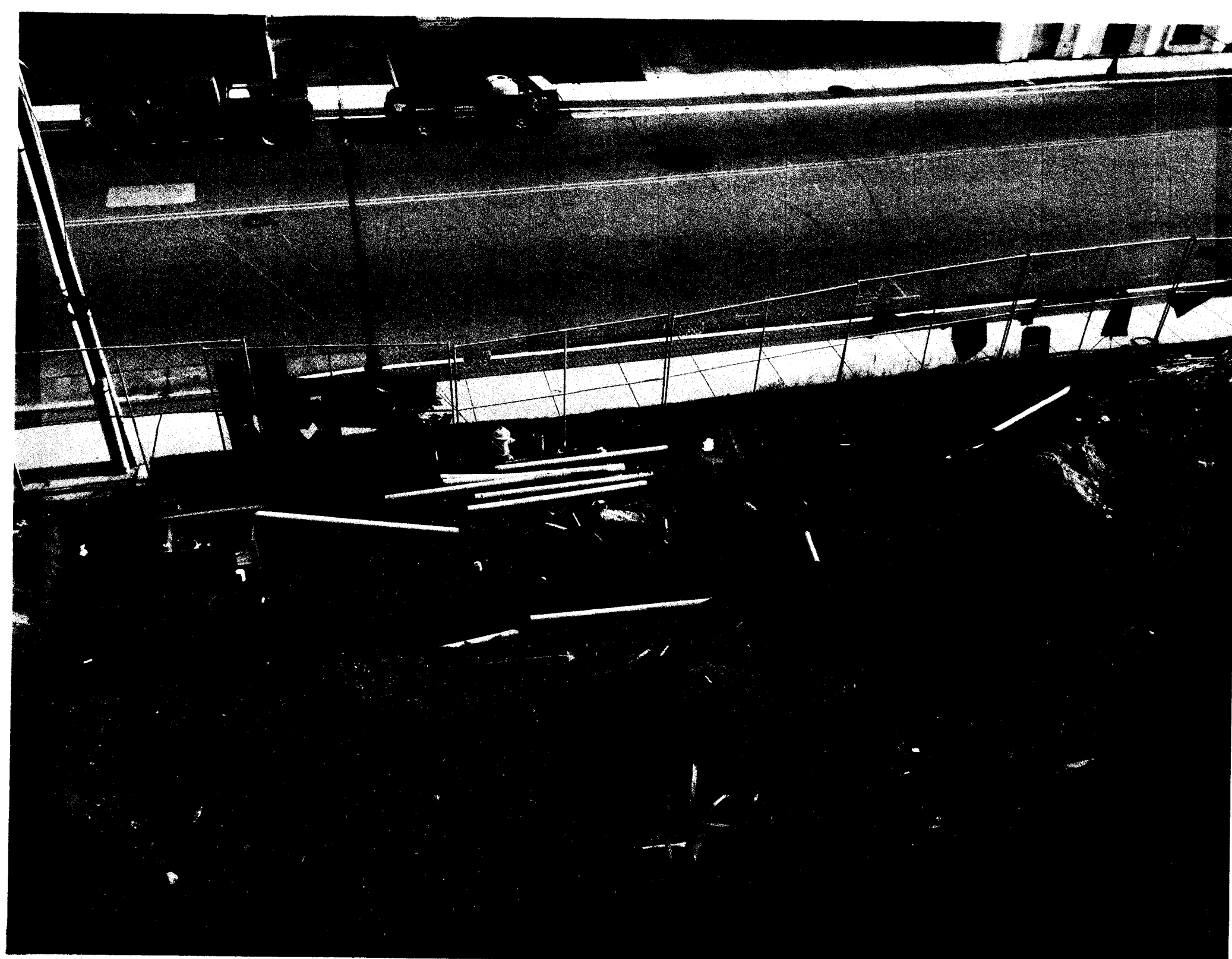
Stewart Cooper Newell
Architects

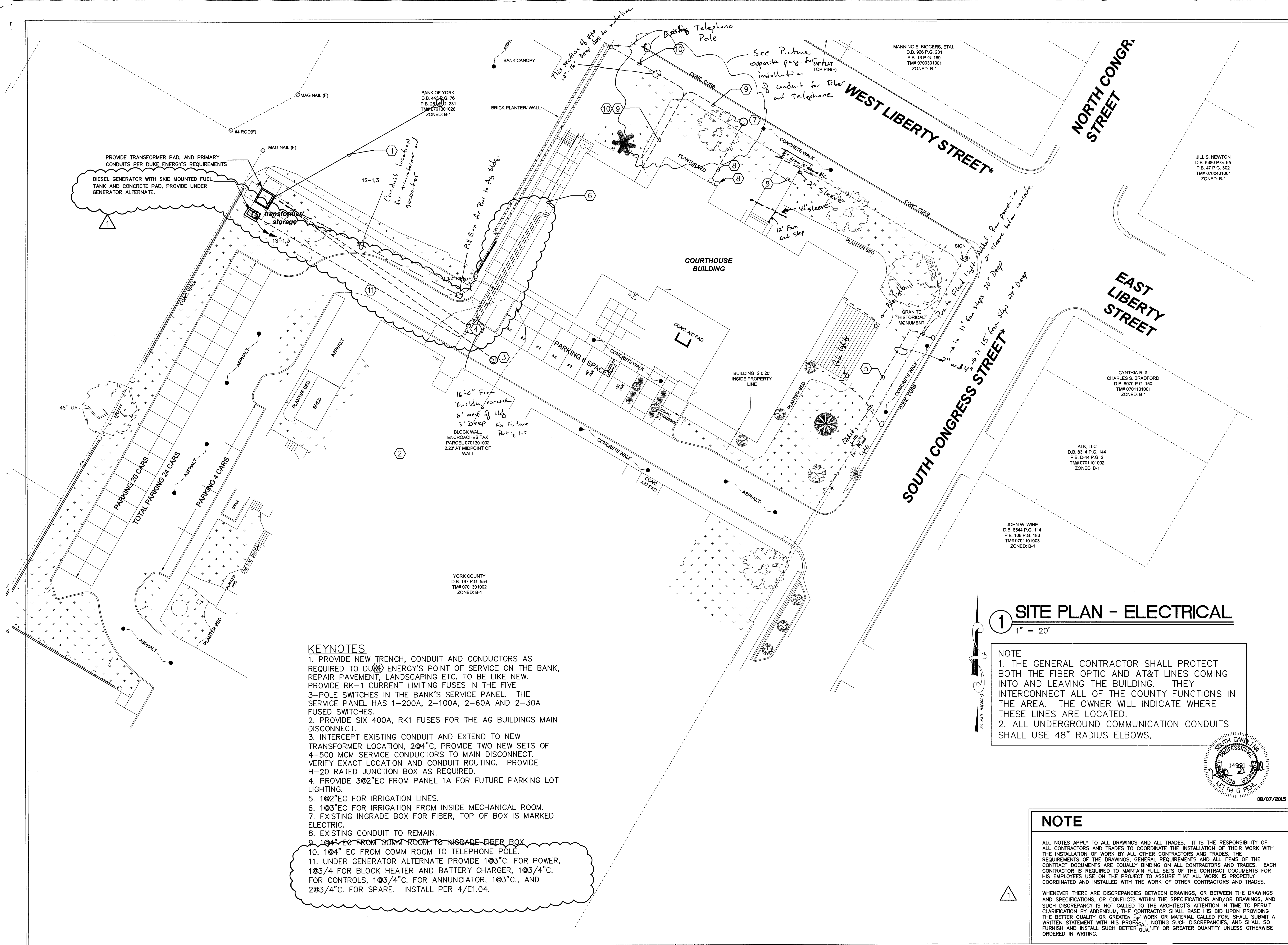


RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet 10.08

ELECTRICAL
FIXTURE SCHEDULE





KEYNOTES

1. PROVIDE NEW TRENCH, CONDUIT AND CONDUCTORS AS REQUIRED TO DUKE ENERGY'S POINT OF SERVICE ON THE BANK, REPAIR PAVEMENT, LANDSCAPING ETC. TO BE LIKE NEW. PROVIDE RK-1 CURRENT LIMITING FUSES IN THE FIVE 3-POLE SWITCHES IN THE BANK'S SERVICE PANEL. THE SERVICE PANEL HAS 1-200A, 2-100A, 2-60A AND 2-30A FUSED SWITCHES.
2. PROVIDE SIX 400A, RK1 FUSES FOR THE AG BUILDINGS MAIN DISCONNECT.
3. INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW TRANSFORMER LOCATION, 204"C. PROVIDE TWO NEW SETS OF 4-500 MCM SERVICE CONDUCTORS TO MAIN DISCONNECT. VERIFY EXACT LOCATION AND CONDUIT ROUTING. PROVIDE H-20 RATED JUNCTION BOX AS REQUIRED.
4. PROVIDE 302"EC FROM PANEL 1A FOR FUTURE PARKING LOT LIGHTING.
5. 102"EC FOR IRRIGATION LINES.
6. 103"EC FOR IRRIGATION FROM INSIDE MECHANICAL ROOM.
7. EXISTING INGRADE BOX FOR FIBER, TOP OF BOX IS MARKED ELECTRIC.
8. EXISTING CONDUIT TO REMAIN.
9. 104" EC FROM COMM ROOM TO INGRADE FIBER BOX.
10. 104" EC FROM COMM ROOM TO TELEPHONE POLE.
11. UNDER GENERATOR ALTERNATE PROVIDE 103"C. FOR POWER, 103/4 FOR BLOCK HEATER AND BATTERY CHARGER, 103/4"C. FOR CONTROLS, 103/4"C. FOR ANNUNCIATOR, 103"C., AND 203/4"C. FOR SPARE. INSTALL PER 4/E1.04.

1 SITE PLAN - ELECTRICAL

1" = 20'

- NOTE
1. THE GENERAL CONTRACTOR SHALL PROTECT BOTH THE FIBER OPTIC AND AT&T LINES COMING INTO AND LEAVING THE BUILDING. THEY INTERCONNECT ALL OF THE COUNTY FUNCTIONS IN THE AREA. THE OWNER WILL INDICATE WHERE THESE LINES ARE LOCATED.
 2. ALL UNDERGROUND COMMUNICATION CONDUITS SHALL USE 48" RADIUS ELBOWS,

NOTE

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Project No.
1390

Date
07-10-2016

Drawn
JCC

Checked
BET

Revisions
ADDENDUM 2, 8-7-15

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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ELECTRICAL
SITE PLAN

sheet
10.11

OPTIMA # 14-0530 9 OF 17

REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Hinson Electric

Project: York County Courthouse

Date: 10/19/16

Ref. Spec. Section/Page:

Cost Impact: Unknown

Schedule Impact: NA

Response Required By: SCN Architects

Drawing/Detail No: 8.02, 10.21

Problem/Conflict:

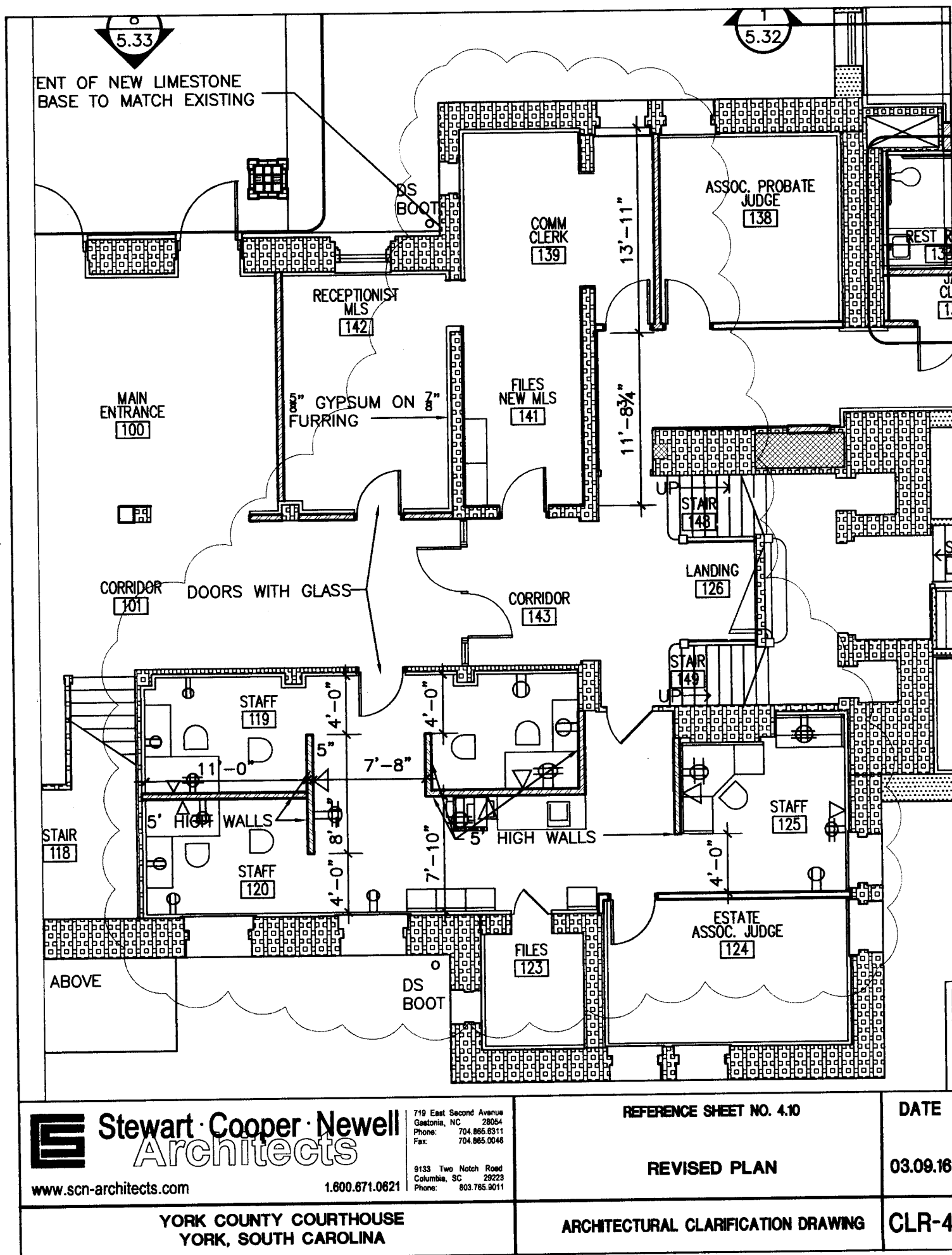
1. Drawings show #4 wire with 70 amp breakers to power WH-2, manufacturer instructions call for 2 #8 wires and 2 35 amp breakers to power WH-2. Will the #4 wire work for these units or does the wire need to be installed per manufacturer.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 10/14/16

Response:

The WH-2 requires (2) circuits, each one being fed from a (2) pole, 35A breaker. If already supplied, the #4 wire will work with these units. The 70A breaker shall be changed out for a 35A breaker. Also, supply and install (2)-35A breakers (208V/1P) and conductors for the second WH-2 on the first floor. Connect to Panel 1A. The same shall be done for the water heater on the second floor, feeding from Panel 2A. Change the (2)-70A breakers in Panel 3A that are feeding WH-2 on the third floor to (2)-35A breakers. Install new conductors per manufacturer or if already installed, #4 wire is acceptable.

Recommended By (Name) Matthew Lewis Company: Optima Engineering Date: 10/20/2016



Kirk Broom

From: McCoy, David <david.mccoy@yorkcountygov.com>
Sent: Thursday, January 21, 2016 10:18 AM
To: Kirk Broom
Subject: Re: York County Courthouse Renovations - Meeting Minutes for 01/13/16

Follow Up Flag: Follow up
Flag Status: Flagged

Kirk
On the right side where you mentioned where the existing meter is for the Christmas tree would be fine. Thank you!

Sent from my iPhone

On Jan 21, 2016, at 9:46 AM, Kirk Broom <kbroom@ccorpusa.com> wrote:

David -

Question for you about the electrical receptacle at the front of the building. Does it matter the location for the receptacle. Would a receptacle work if we put it at the existing electrical meter for the Christmas lights for the large tree? Or would you want the receptacle on the left side of the front steps?

No rush on this just trying to make sure I note this and have the electrician install.

Thanks

Kirk Broom
Site Manager

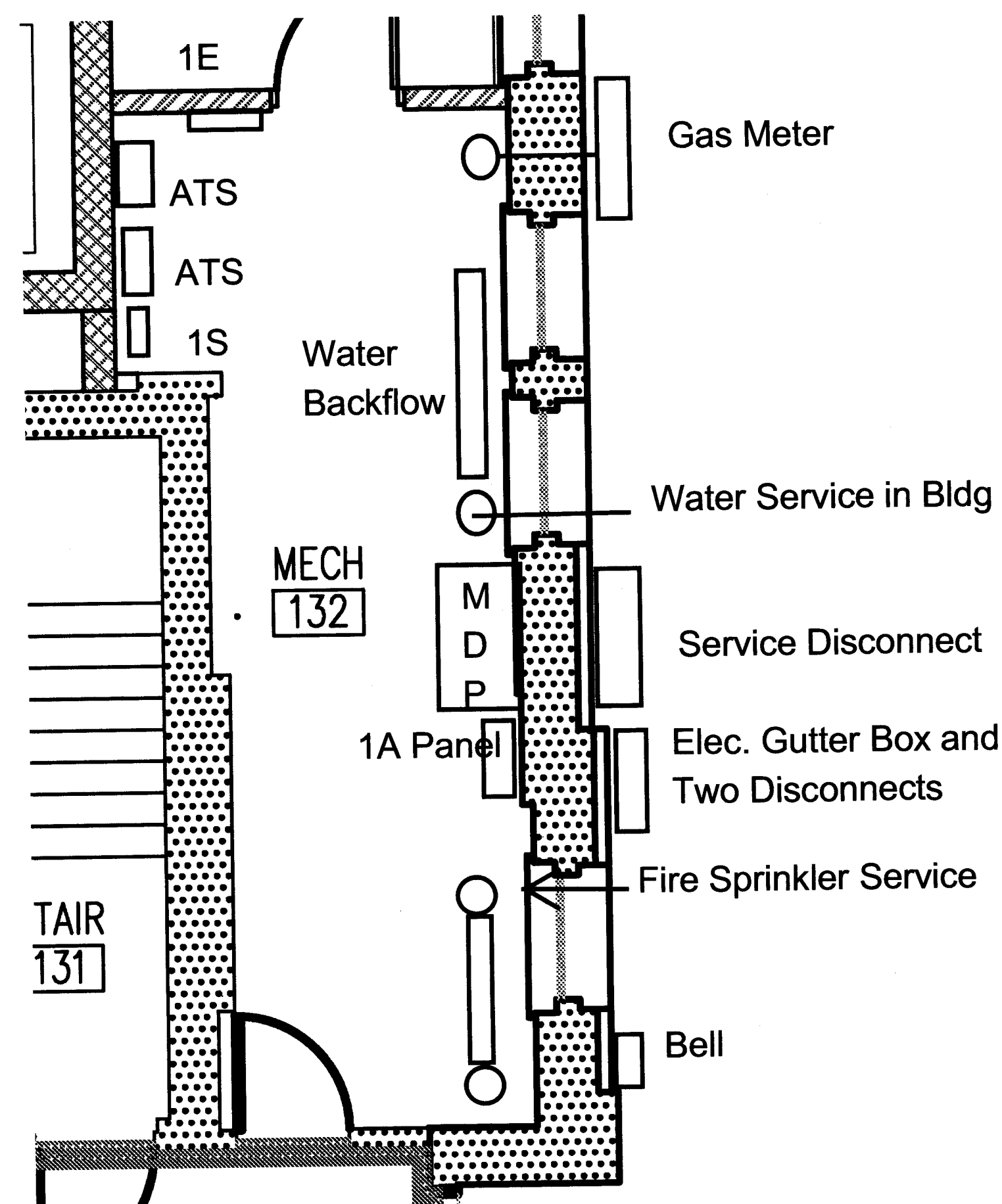
<<http://www.ccorpusa.com>>[Visit our Website
<http://www.ccorpusa.com>]-<<http://www.ccorpusa.com>>-<<http://www.ccorpusa.com>>

Cell: (803) 984-3877
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Twitter<<http://twitter.com/CummingCorp>> LinkedIn<<http://www.linkedin.com/company/cumming-corporation>>

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From: McCoy, David [<mailto:david.mccoy@yorkcountygov.com>]



Kirk Broom

From: Matt Lewis <mlewis@optimaengineering.com>
Sent: Thursday, November 03, 2016 3:39 PM
To: Jamie McDermott
Cc: Byron Ford; Jim Stewart (jstewart@scn-architects.com); Kirk Broom; George Fowler
Subject: RE: RFI #32 WH-2 Wiring.pdf

Jamie,

The manufacturer specifies a 35A breaker for this model, but I spoke with them to confirm that a 40A breaker will be okay to use with their product. We cannot use a 30A because each circuit requires 7.2kW (34.5A); Even though the load is non-continuous, the 30A breaker is still not large enough.

Matt Lewis
Electrical Designer
Email: mlewis@optimaengineering.com
Office: (704) 338-1292
Direct: (704) 927-1792
Optima Engineering
1927 S. Tryon Street, Suite 300, Charlotte, NC 28203
150 Fayetteville Street, Suite 520, Raleigh, NC 27601
[website](#) | [linkedin](#) | [twitter](#)

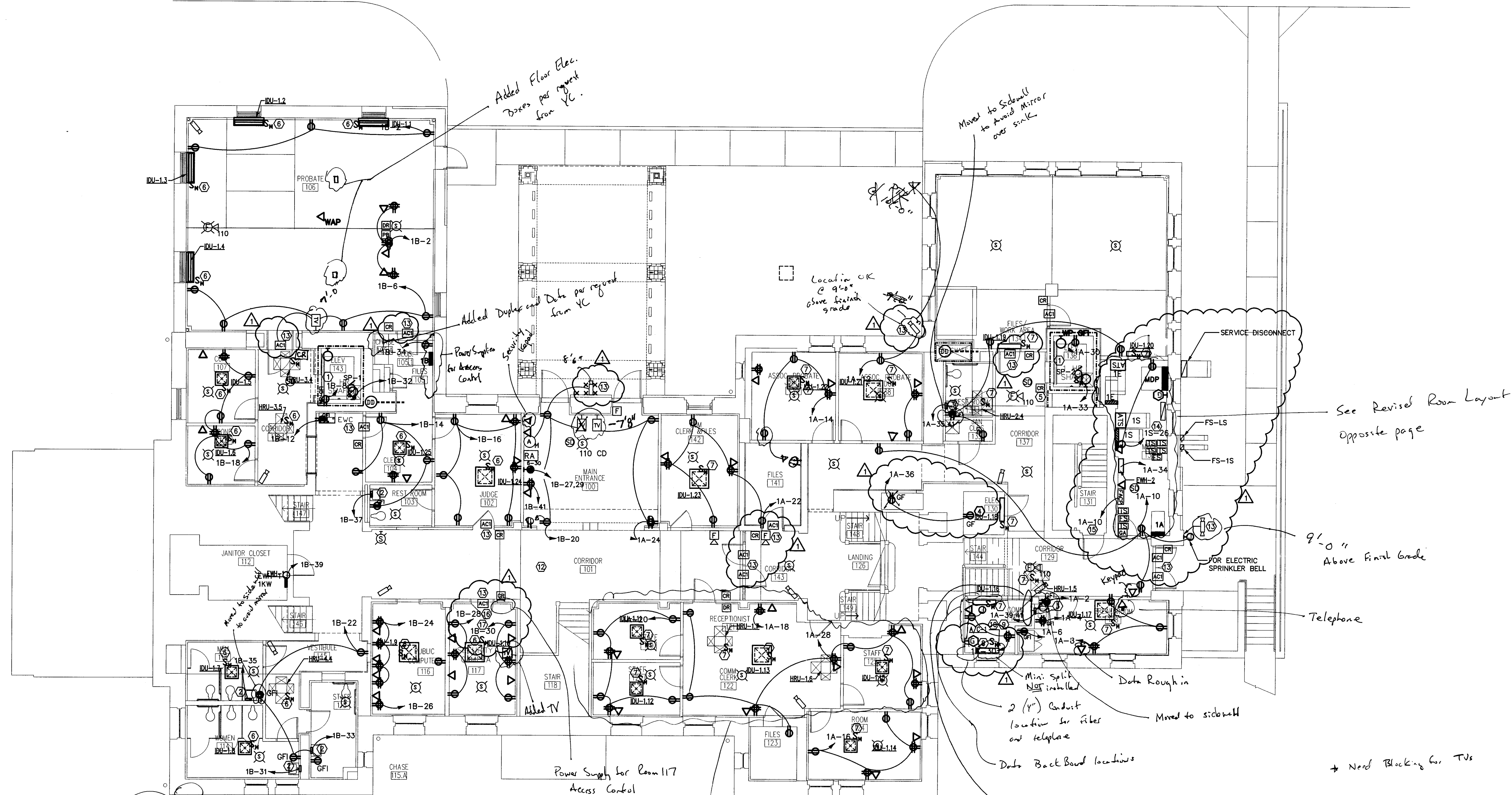
From: Jamie McDermott [<mailto:jamiem@leitnerconstructionco.com>]
Sent: Thursday, November 3, 2016 3:11 PM
To: Matt Lewis <mlewis@optimaengineering.com>
Cc: Byron Ford <bford@optima.com>; Jim Stewart (jstewart@scn-architects.com) <jstewart@scn-architects.com>; Kirk Broom <kbroom@ccorpusa.com>; George Fowler <gfowler@optima.com>
Subject: FW: RFI #32 WH-2 Wiring.pdf

Matt,
Hinson's supplier is having trouble getting the breakers noted in this RFI response, Can the go with a 30A or 40A breaker? Thanks

Jamie McDermott
Project Manager, CMP



PO Drawer 12190-1800 Saluda Rd.
Rock Hill, S.C. 29731
Office: (803) 324-5665
Fax: (803) 328-8510
Mobile: (803) 230-1939
www.leitnerconstructionco.com



FIRST FLOOR PLAN - POWER

1/8" = 1'-0"

- KEYNOTES**
- SEE ELEVATOR PIT DETAIL FOR ADDITIONAL REQUIREMENTS
 - INSTANTANEOUS ELECTRIC WATER HEATER WH1, 3KW, 120V, 1 PHASE MOUNTED UNDERSINK. PROVIDE 30A/1P CIRCUIT BREAKER IN PANELBOARD WITH LOCKABLE DEVICE.
 - INSTANTANEOUS ELECTRIC WATER HEATER WH2, 14.4KW, 208V, 1 PHASE MOUNTED UNDERSINK. PROVIDE 70A/2P CIRCUIT BREAKER IN PANELBOARD WITH LOCKABLE DEVICE.
 - FOR DUMB WATER, COORDINATE LOCATION WITH THE ARCHITECT.
 - PROVIDE 3/4" EC FROM CARD READER TO ELEVATOR CONTROLLER
 - CIRCUIT TO 1B-3,5
 - CIRCUIT TO 1A-29,31
 - CIRCUIT 2#12, 1#12G, 1/2" TO OUTDOOR UNIT
 - PROVIDE 2-4" C FROM A WALL IN THE COMM ROOM DOWN UNDER THE BUILDING FOUNDATION TO THE EXTERIOR FOR PHONE AND DATA SERVICE, SEE SIGHT PLAN FOR ROUTING.
 - PROVIDE 2-4" C TO FLOOR ABOVE, COORDINATE LOCATION WITH TELECOM CONTRACTOR.
 - COORDINATE LOCATION WITH BAS SYSTEM
 - THE CENTRAL CORRIDOR CEILING CAVITY IS UNUSABLE FOR ROUTING CONDUCTORS OR CABLEING TO EQUIPMENT OTHER THAN THAT WHICH IS ACTUALLY LOCATED IN THE SPACE. THE CONTRACTOR SHOULD PLAN ON ROUTING ALL OTHER CONDUCTORS OR CABLEING TO IN AREAS WITH ACCESSIBLE CEILING ON EITHER SIDE OF THE CORRIDOR.

- UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-2
- UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-6
- UNDER GENERATOR ALTERNATE CIRCUIT TO 1E-2
- UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-8
- UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-10

NOTE

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RFI 20
lot 5

LEITNER
CONSTRUCTION CO., INC.

Originated By: Leitner Construction

RFI # 20 _____
Sent To: Jim Stewart/G. Melton
Company: Stewart-Cooper-Newell

Date: 6/14/16

Response Required By: SCN Architects

Drawing/Detail No: 10.22/10.23

Problem/Conflict:

Provide electrical required for WH2 in breakroom 228 and 324. Provide electrical for refrigerator in 228.

Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 6/14/16

Response:

Provide GFI receptacle for refrigerator in break room 228 connected to 2A-11, connected with 12AWG wire.

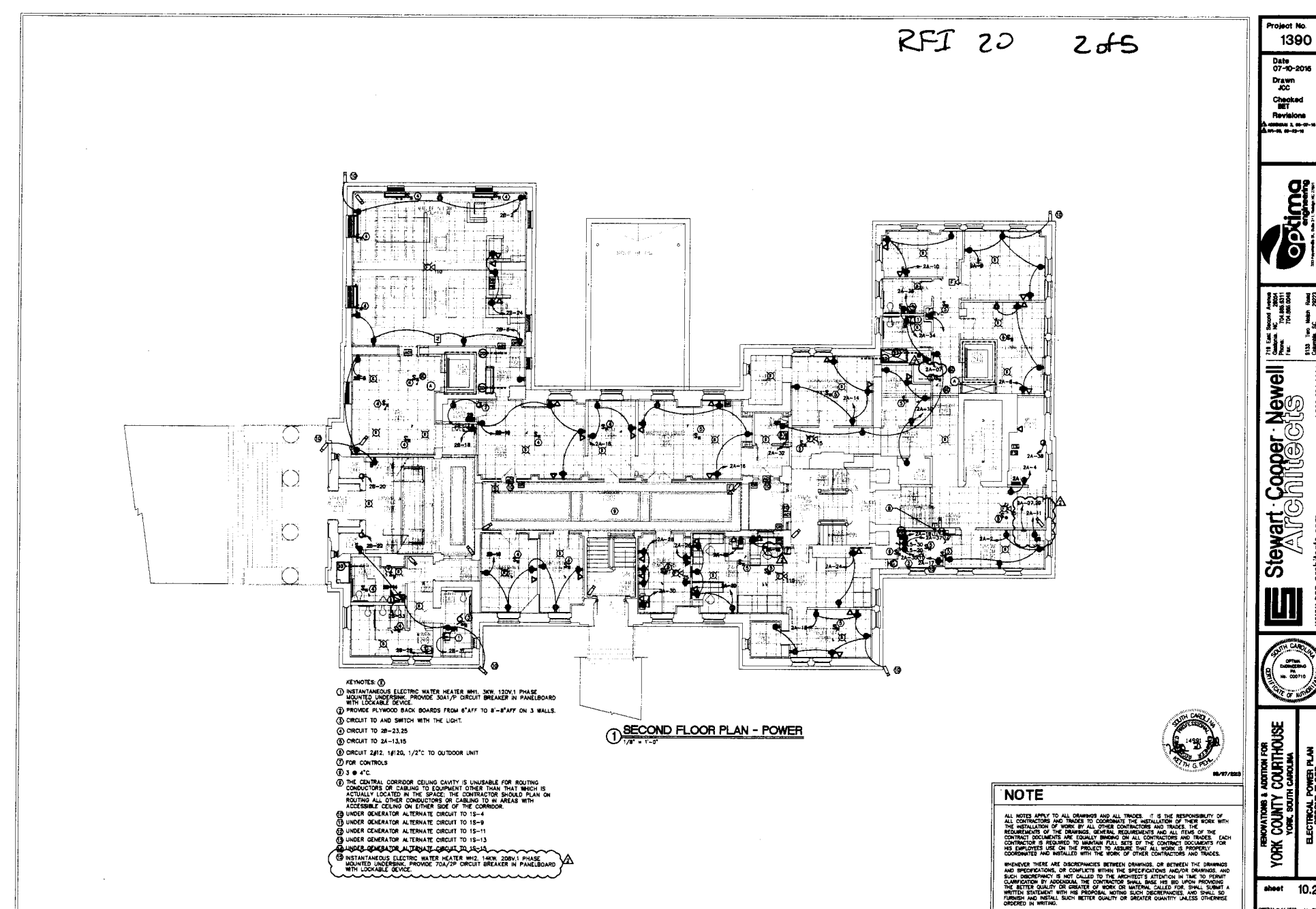
In order to balance loads for water heaters, make the following connections:

Move connection for Rm 235 receptacles from 2A-7 to 2A-12.
Move connection for Corridor receptacles from 2A-12 to 2A-7.
Move connection for ODU-1 from 4A-25 to 4A-33.

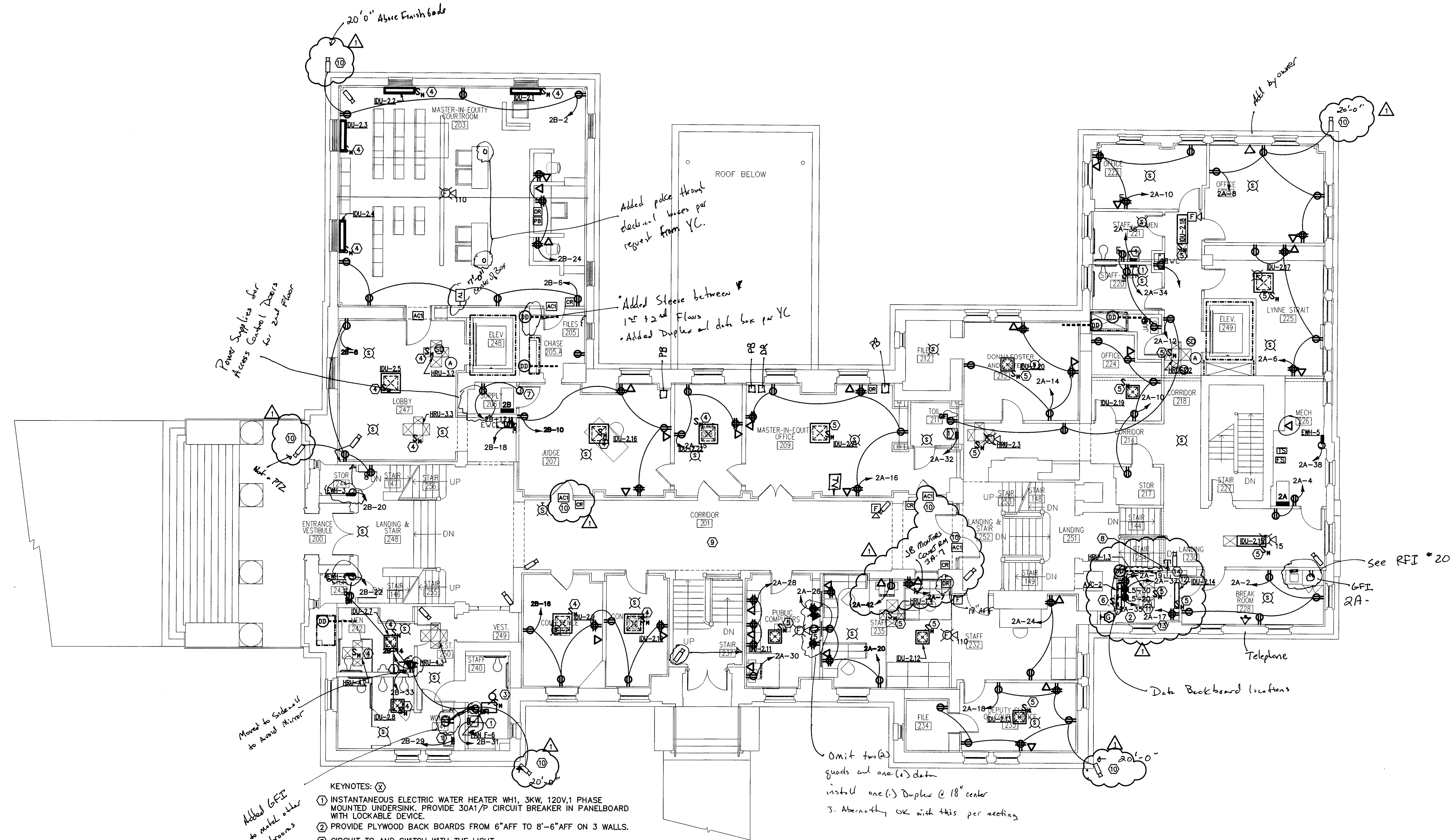
Provide connection to WH2 in break room 228 to 2A-27,29, connected with 4AWG wire. Replace breaker at 2A-27,29 with 70A breaker.

Provide connection to WH2 in break room 324 to 4A-25,27, connected with 3AWG wire. Replace breaker at 4A-25,27 with 70A breaker.

Recommended By (Name) Josh Thompson Company: Optima Engineering Date: 06/22/2016



* All exterior cameras on 2nd Floor or PTZ except front entrance
no power required.



- KEYNOTES: (X)
- INSTANTANEOUS ELECTRIC WATER HEATER WH1, 3KW, 120V, 1 PHASE MOUNTED UNDERSINK. PROVIDE 30A/1P CIRCUIT BREAKER IN PANELBOARD WITH LOCKABLE DEVICE.
 - PROVIDE PLYWOOD BACK BOARDS FROM 6" AFF TO 8'-6" AFF ON 3 WALLS.
 - CIRCUIT TO AND SWITCH WITH THE LIGHT.
 - CIRCUIT TO 2B-23,25
 - CIRCUIT TO 2A-13,15
 - CIRCUIT 2#12, 1#12G, 1/2" C TO OUTDOOR UNIT
 - FOR CONTROLS
 - 3 @ 4" C.
 - THE CENTRAL CORRIDOR CEILING CAVITY IS UNUSABLE FOR ROUTING CONDUCTORS OR CABLEING TO EQUIPMENT OTHER THAN THAT WHICH IS ACTUALLY LOCATED IN THE SPACE; THE CONTRACTOR SHOULD PLAN ON ROUTING ALL OTHER CONDUCTORS OR CABLEING TO IN AREAS WITH ACCESSIBLE CEILING ON EITHER SIDE OF THE CORRIDOR.
 - UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-4
 - UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-9
 - UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-11
 - UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-13
 - UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-15

1 SECOND FLOOR PLAN - POWER

1/8" = 1'-0"

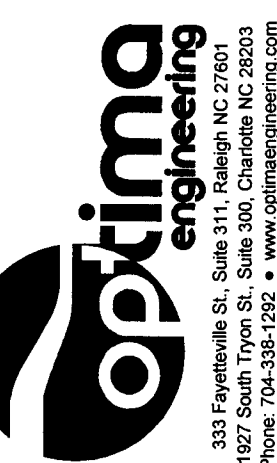
NOTE

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Project No.
1390

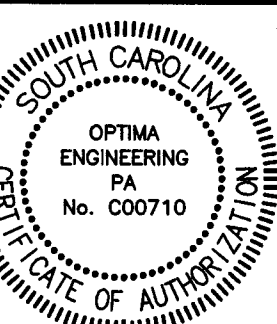
Date
07-10-2015
Drawn
JCC
Checked
BET
Revisions
ADDENDUM 2, 6-7-15



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Gastonia, NC 28054
Phone: 704.865.6311
Fax: 704.865.0046

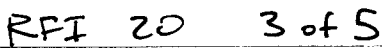
9133 Two Natch Road
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
ELECTRICAL POWER PLAN
SECOND FLOOR

sheet 10.22



From: Smarr, Angie <angie.smarr@yorkcountygov.com>
Sent: Thursday, October 13, 2016 10:13 AM
To: Kirk Broom
Cc: Abernathy, Joel
Subject: Panic Buttons [WARNING: SPF validation failed]

I talked to both Judge Hall and Judge Hayes and they want the panic button to the right of the bench. They also want at least two receptacles on the bench and data drops. Do not have to have an outlet at that book shelf on the wall behind the bench.

I assume that you know what all power needs to be at the clerk's desk directly in front of the judge's bench for AV needs. There will need to be at least two outlets and data drops. The panic button for that portion of the bench needs to be on the wall between the clerks area and the court reporter.

Will there be panic buttons in the offices as well? Do I need to ask Judge Kimball and Judge Rogers for their areas?

Thanks,

Angie

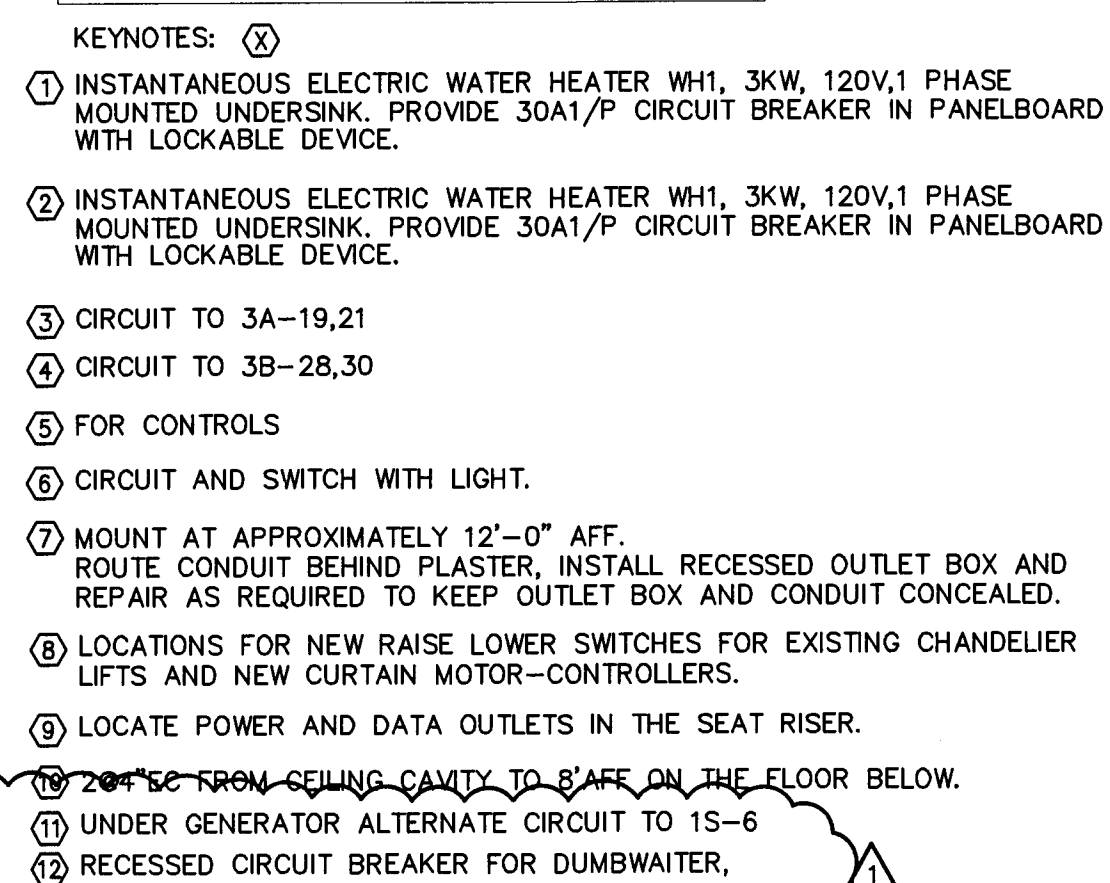
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Angie Smarr
Chief Deputy Clerk of Court
Administration
Clerk of Court
York County Government

angie.smarr@yorkcountygov.com
Phone: 803-628-3036



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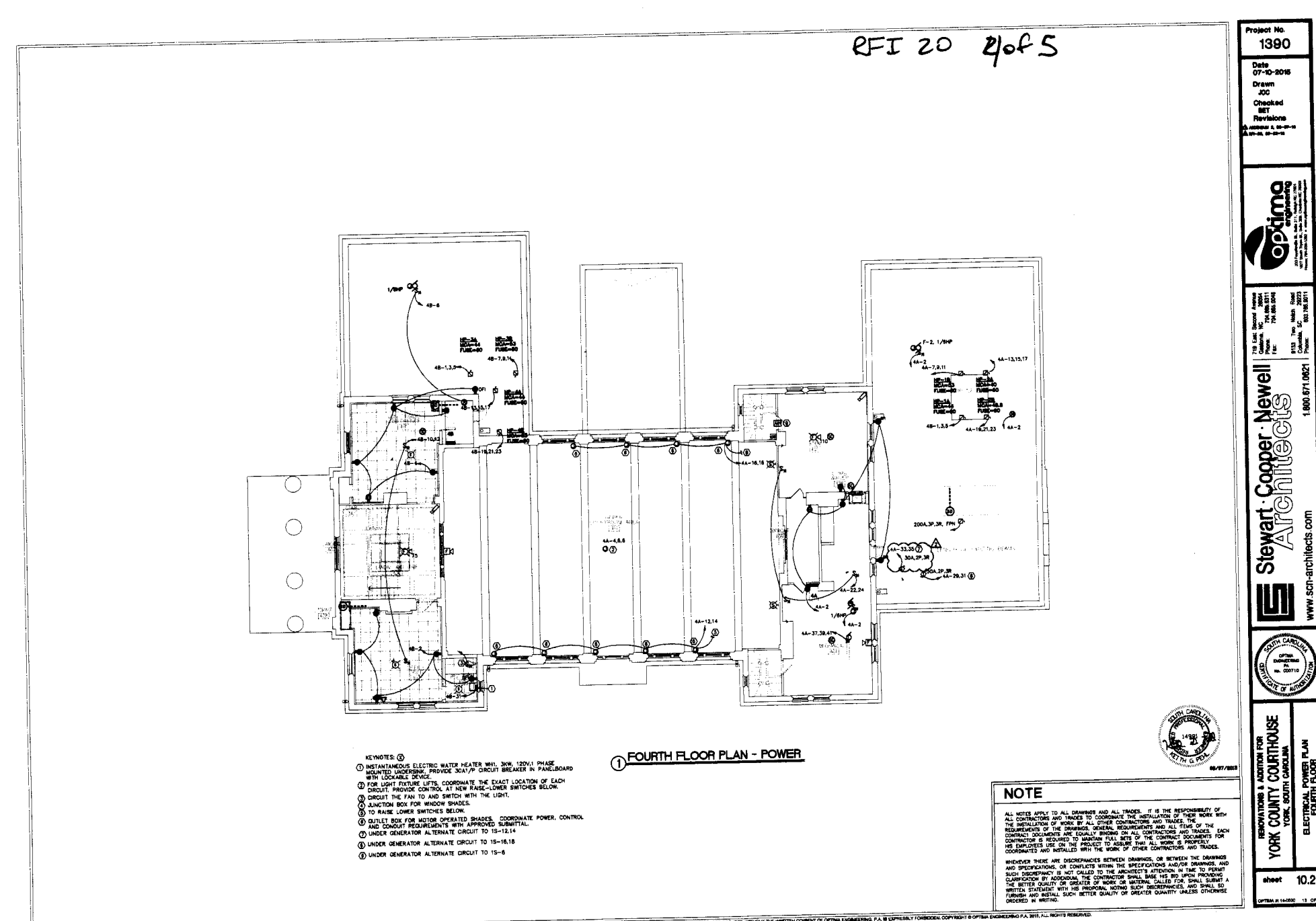


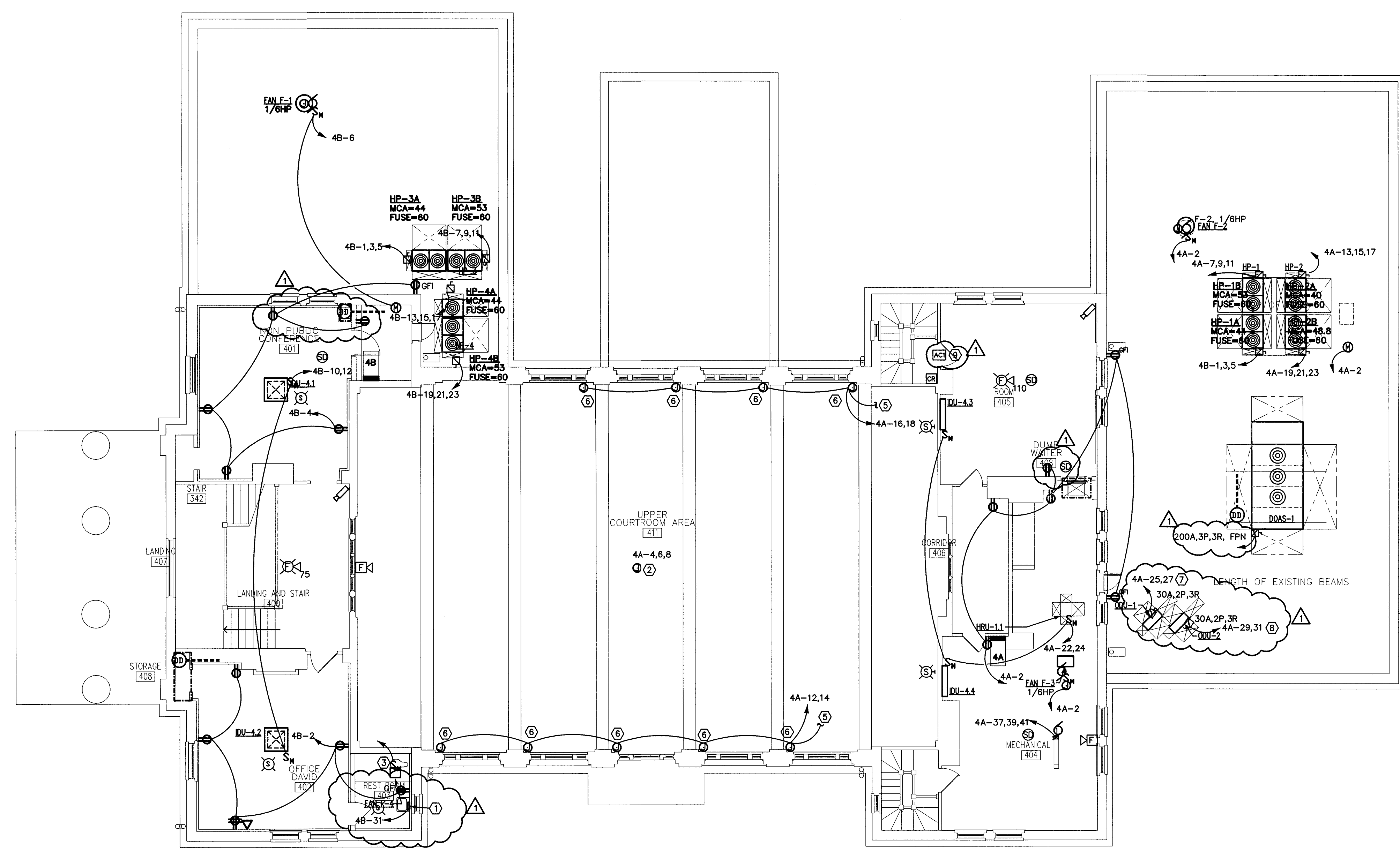
1 THIRD FLOOR PLAN - POWER
1/8" = 1'-0"

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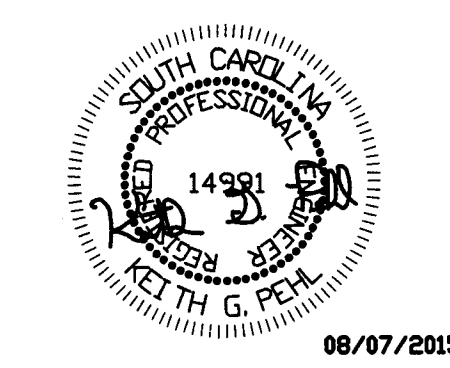
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- KEYNOTES: (X)
- ① INSTANTANEOUS ELECTRIC WATER HEATER WH1, 3KW, 120V, 1 PHASE MOUNTED UNDERSINK. PROVIDE 30A1/P CIRCUIT BREAKER IN PANELBOARD WITH LOCKABLE DEVICE.
 - ② FOR LIGHT FIXTURE LIFTS, COORDINATE THE EXACT LOCATION OF EACH CIRCUIT. PROVIDE CONTROL AT NEW RAISE-LOWER SWITCHES BELOW.
 - ③ CIRCUIT THE FAN TO AND SWITCH WITH THE LIGHT.
 - ④ JUNCTION BOX FOR WINDOW SHADES.
 - ⑤ TO RAISE LOWER SWITCHES BELOW.
 - ⑥ OUTLET BOX FOR MOTOR OPERATED SHADES. COORDINATE POWER, CONTROL AND CONSULT REQUIREMENTS WITH APPROVED SUBMITTAL.
 - ⑦ UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-12,14
 - ⑧ UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-16,18
 - ⑨ UNDER GENERATOR ALTERNATE CIRCUIT TO 1S-6

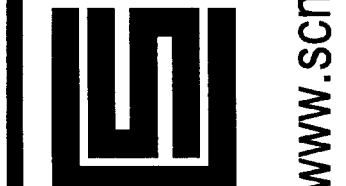
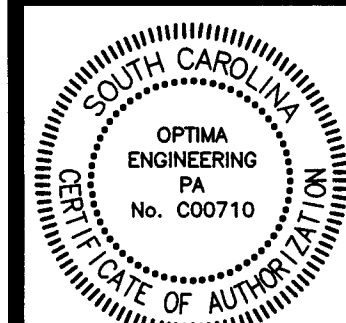
① FOURTH FLOOR PLAN - POWER

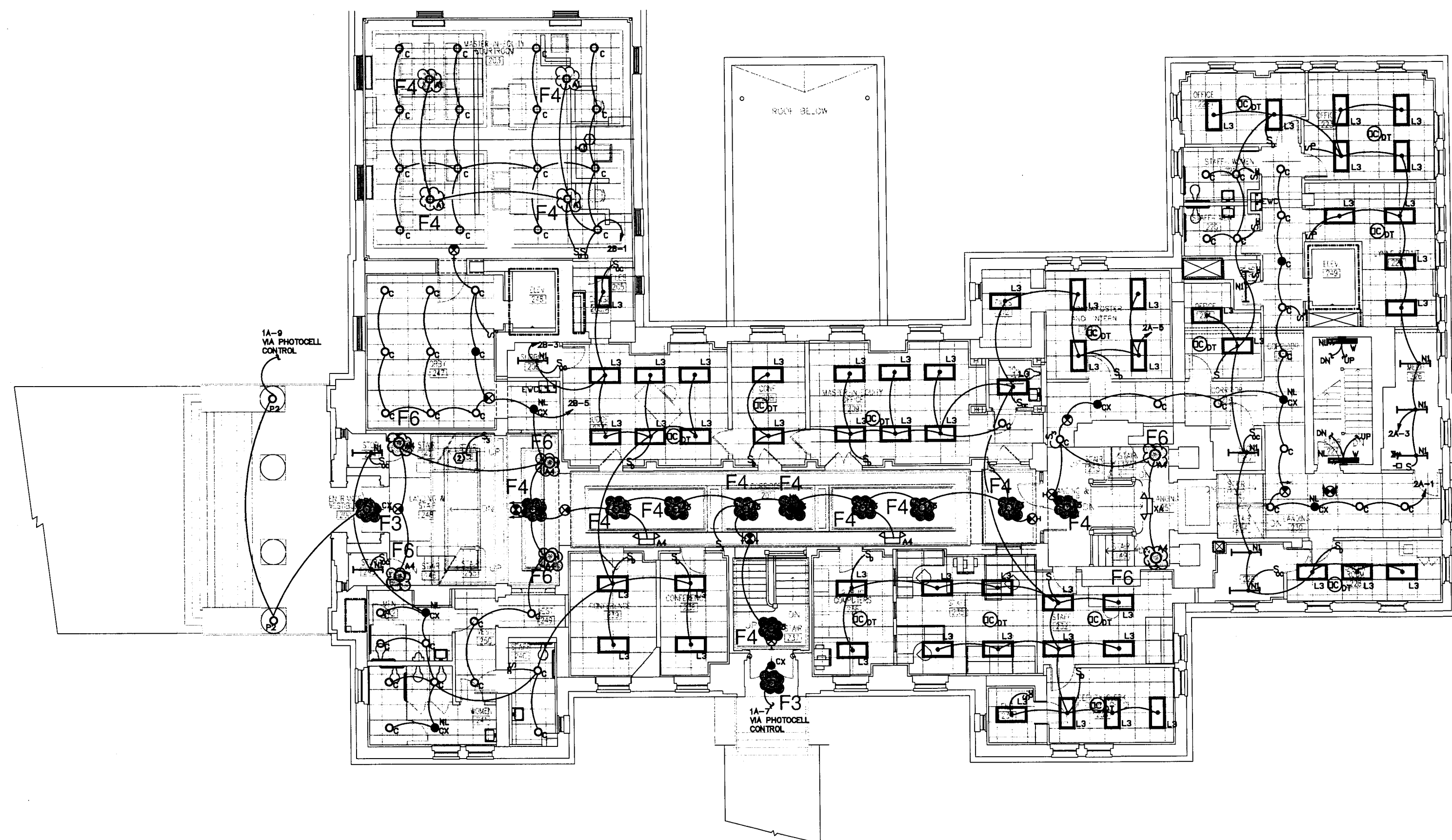


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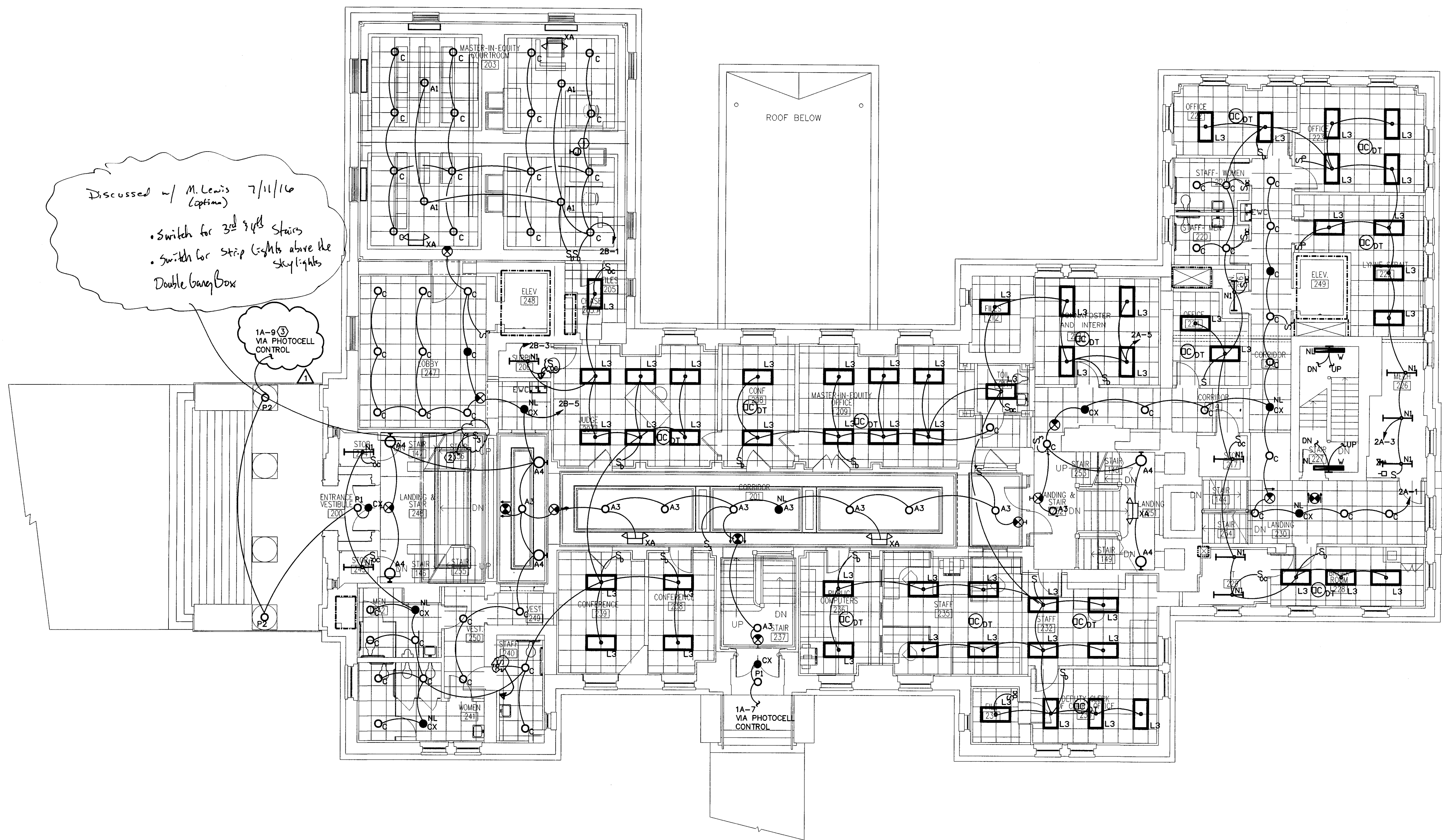
Project No. 1390	
Date 07-10-2015	
Drawn JCC	
Checked BET	
Revisions ADDENDUM 2, 8-7-15	
	
719 East Second Avenue Gastonia, NC 28054 Phone: 704.865.6311 Fax: 704.865.0046	9133 Two Notch Road Columbia, SC 29223 Phone: 803.765.9011
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RENOVATIONS & ADDITION FOR YORK COUNTY COURTHOUSE YORK, SOUTH CAROLINA	ELECTRICAL POWER PLAN FOURTH FLOOR
sheet 10.24	OPTIMA #: 14-0530 13 OF 17



① SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"

NOTES
1. ALL EXIT LIGHTS SHALL BE UNSWITCHED.

KEYNOTES ②
1. JUNCTION BOX FOR TASK LIGHTING, COORDINATE EXACT LOCATION
2. TO 3RD FLOOR CORRIDOR LIGHTS



1 SECOND FLOOR PLAN - LIGHTING

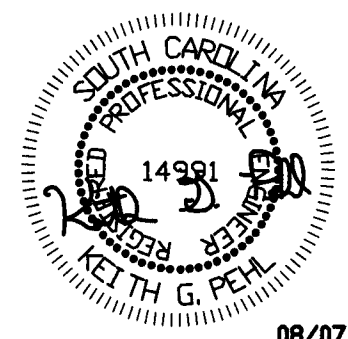
1/8" = 1'-0"

NOTES

1. ALL EXIT LIGHTS SHALL BE UNSWITCHED. UNDER GENERATOR ALTERNATE ALL EXIT LIGHTS AND EMERGENCY EGRESS LIGHTS EXCEPT FIXTURE TYPE XA SHALL BE CIRCUITED TO 1E-3 IN LIEU OF CIRCUITING SHOWN AND SHALL BE UNSWITCHED.

KEYNOTES

1. JUNCTION BOX FOR TASK LIGHTING, COORDINATE EXACT LOCATION
2. TO 3RD FLOOR CORRIDOR LIGHTS.



NOTE

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Project No.
1390

Date
07-10-2015

Drawn
JCC

Checked
BET

Revisions

ADDENDUM 2, B-7-15



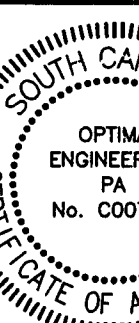
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333 Fayetteville St., Suite 311, Raleigh, NC 27601
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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

sheet

10.32

OPTIMA # 14-0530 15 OF 17

Kirk Broom

From: Melton, Gloria <gmelton@scn-architects.com>
Sent: Monday, July 11, 2016 10:57 AM
To: Greg Mullis; Harvey Henry
Cc: Kirk Broom; James Mcdermott; Stewart, Jim
Subject: York- light fixture
Attachments: Lighting fixture location plan 06.27.16.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

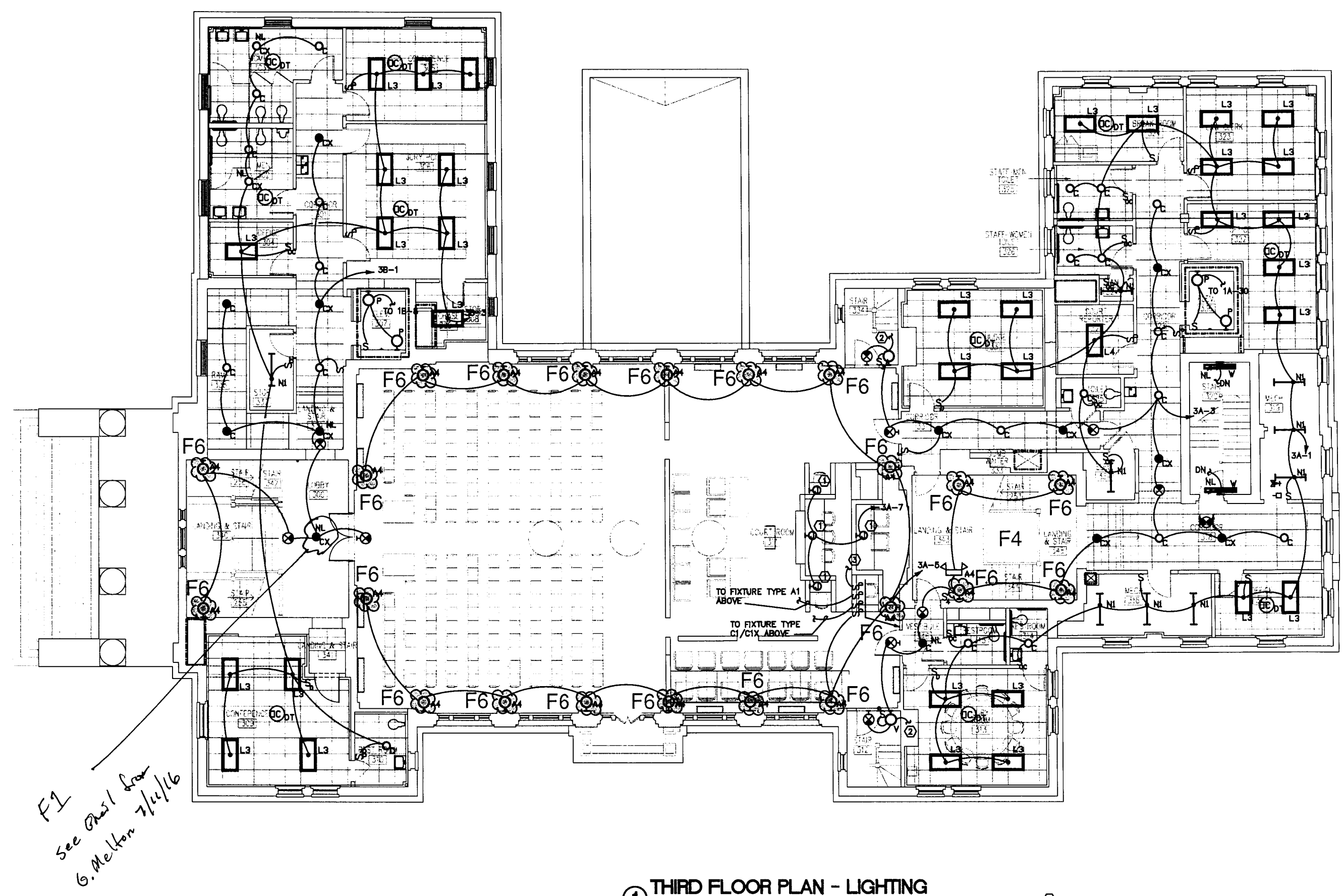
On the third floor entrance to the main courtroom-
instead of the down light we would like a F1 fixture if possible

Gloria Melton
Architect

Stewart Cooper Newell Architects

719 E. Second Ave. ph 704.865.6311
Gastonia NC 28054 fx 704.865.0046
scn-architects.com 1.800.671.0621

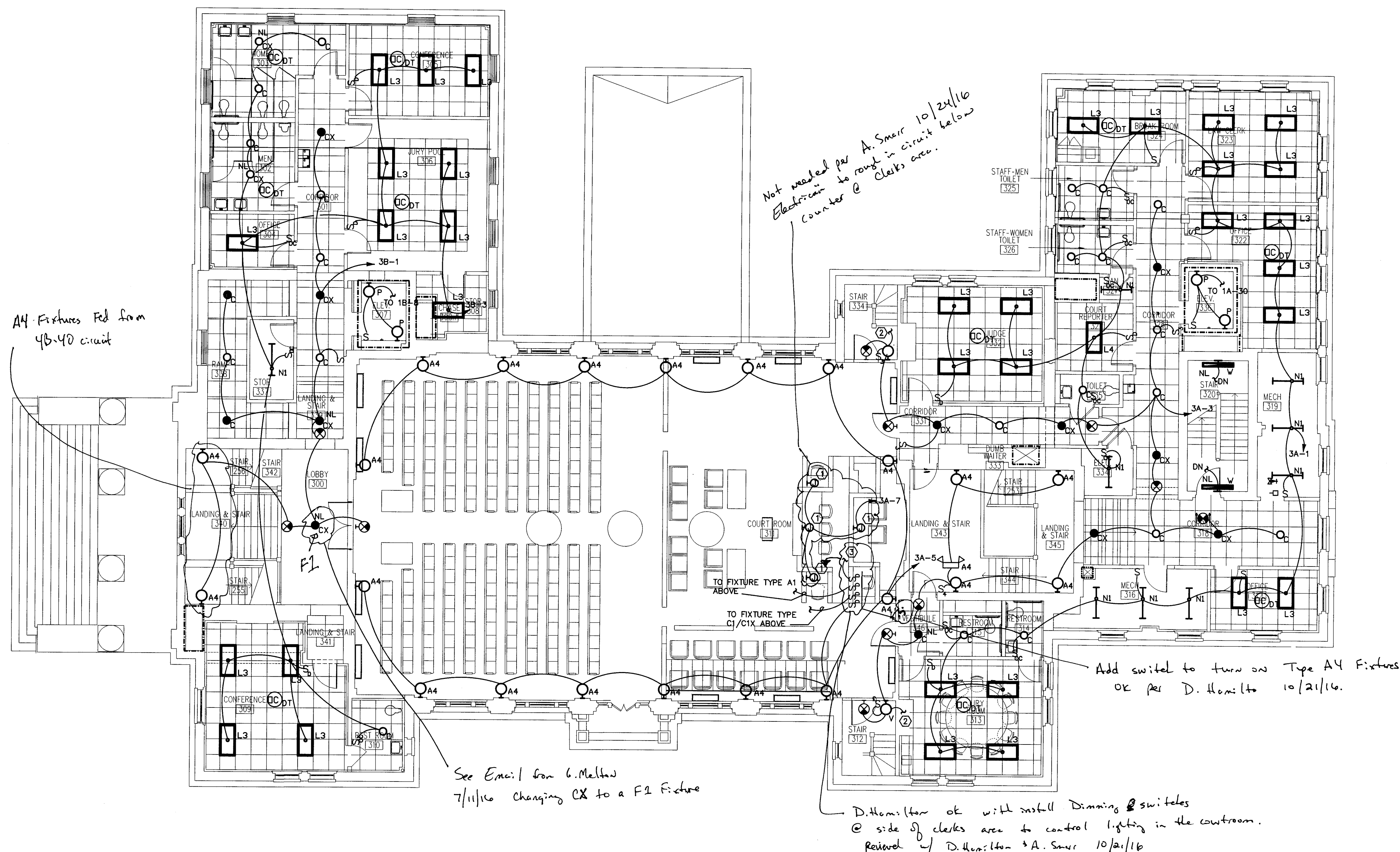
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1 THIRD FLOOR PLAN - LIGHTING

NOTES
1. ALL EXIST LIGHTS SHALL BE UNWITTED.

KEYNOTES
1. JUNCTION BOX FOR TASK LIGHTING, COORDINATE EXACT LOCATION
2. TO FIXTURE ABOVE
3. TO OF FIXTURES ABOVE JUDGE'S BENCH



1 THIRD FLOOR PLAN - LIGHTING

1/8" = 1'-0"

NOTES

1. ALL EXIT LIGHTS SHALL BE UNSWITCHED. UNDER GENERATOR
ALTERNATE ALL EXIT LIGHTS AND EMERGENCY EGRESS LIGHTS
EXCEPT FIXTURE TYPE XA SHALL BE CIRCUITED TO 1E-5 IN LIEU OF
CIRCUITING SHOWN AND SHALL BE UNSWITCHED.

KEYNOTES

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2. TO FIXTURE ABOVE.
3. TO C1 FIXTURES ABOVE JUDGE'S BENCH

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REQUEST FOR INFORMATION

LEITNER
CONSTRUCTION CO., INC.

Project: York County Courthouse Renovations

Originated By: Leitner Construction

Sub/Vendor: Leitner Construction

Project: York County Courthouse

Date: 4/18/16

Ref. Spec. Section/Page:
Cost Impact: Unknown
Schedule Impact: NA

Response Required By: SCN Architects

Drawing/Detail No: 10.34

RFI # 12
Sent To: Jim Stewart
Company: Stewart-Cooper-Newell

Problem/Conflict:

There is no plan showing permanent lighting fixtures in the attic, will permanent fixtures be required?

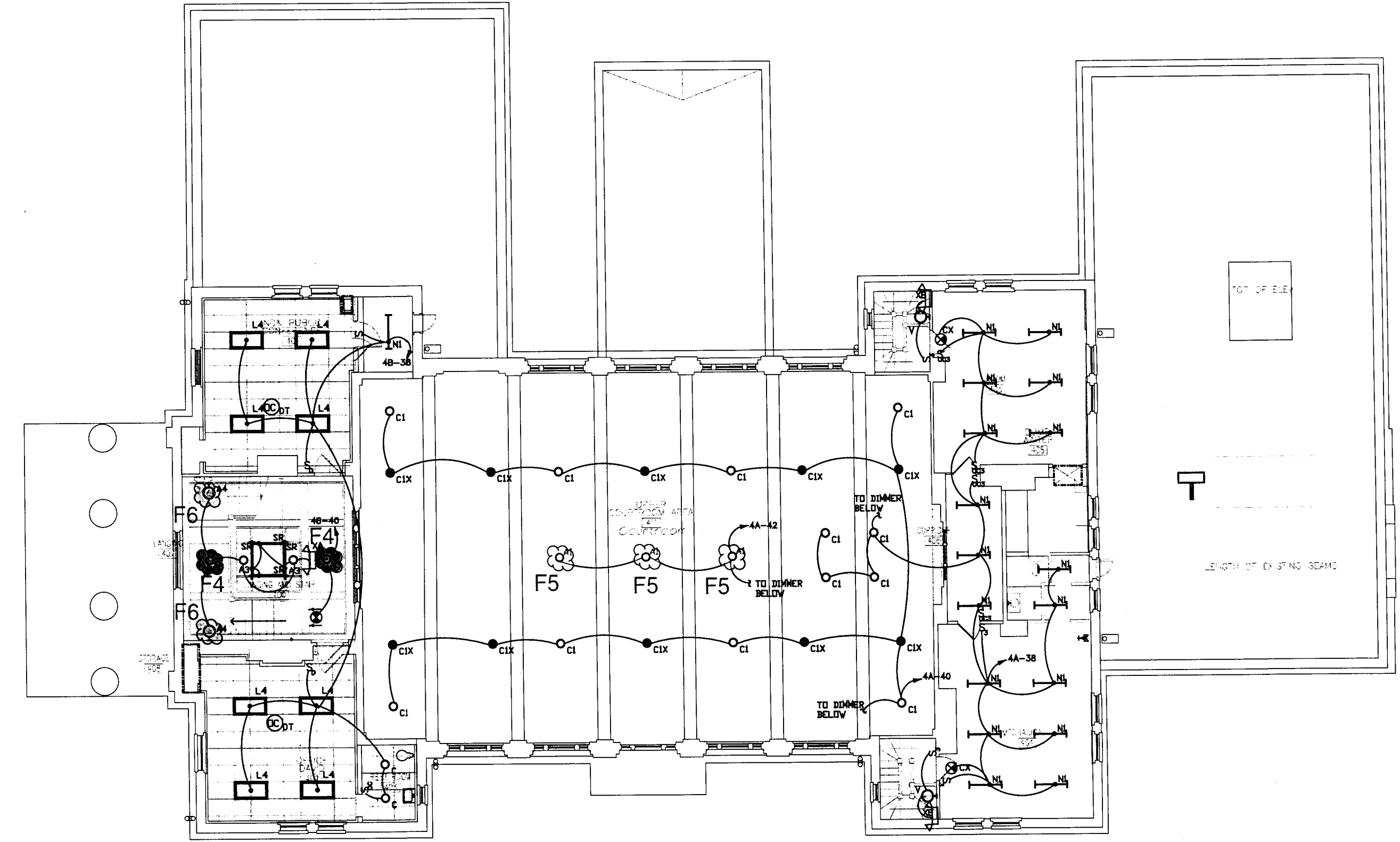
Issued By (Name) Jamie McDermott Company: Leitner Construction Date: 4/18/16

Response:

Emailed response from Optima:

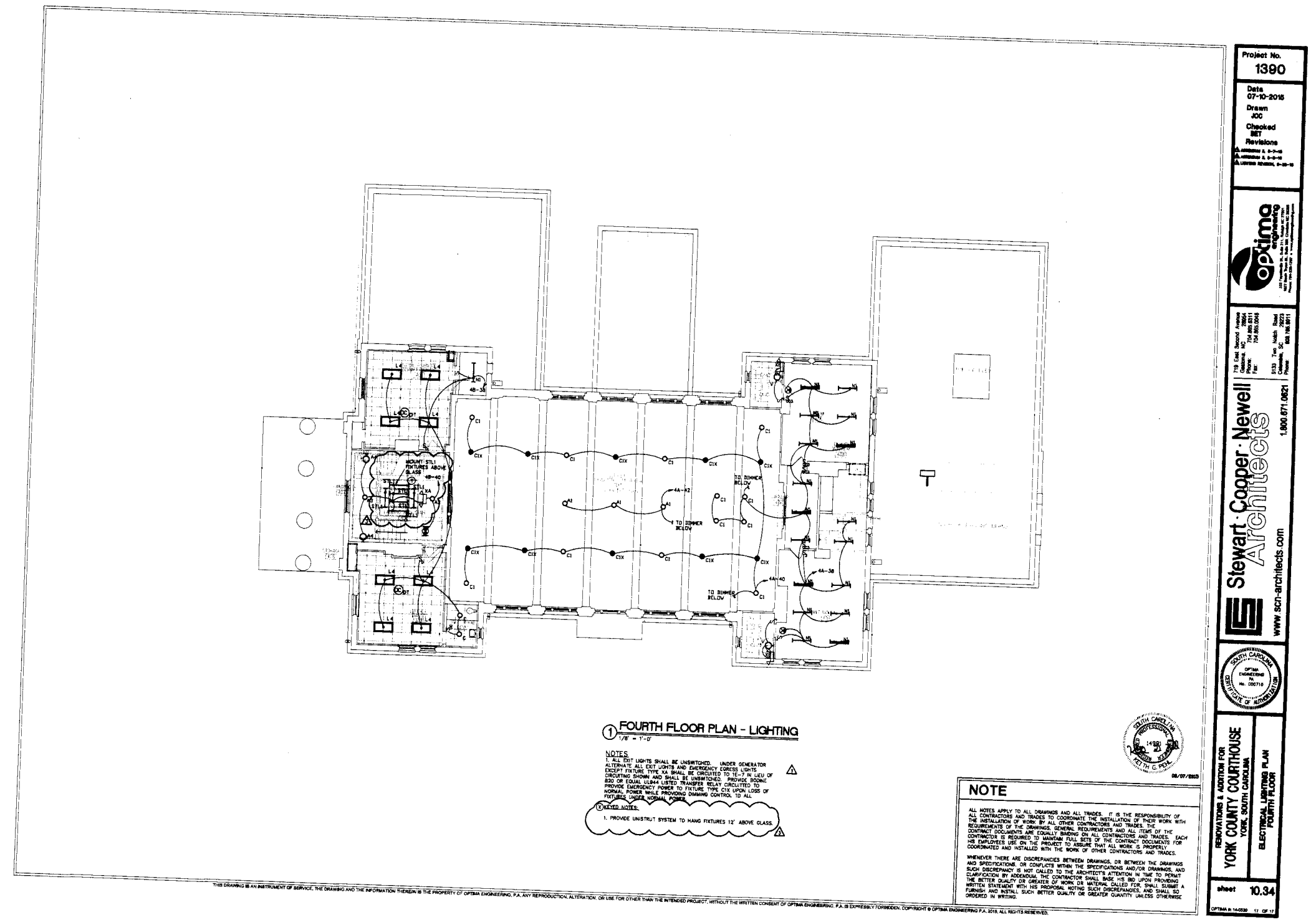
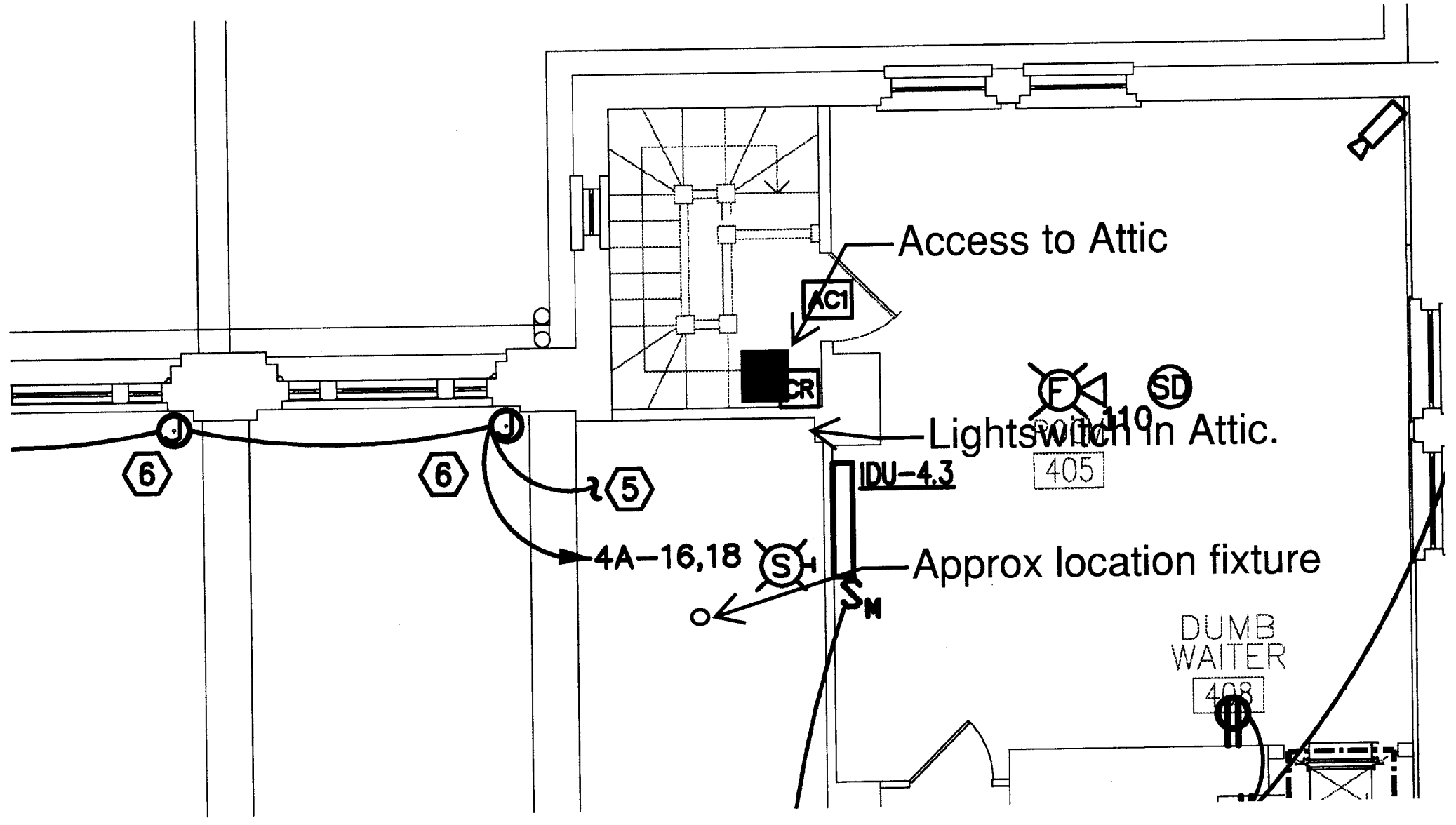
Provide one fixture type N1 at the location shown on the attached sketch, provide line voltage switch at the location shown (18" above the entry to the attic) and circuit to 4A-38.

Recommended By (Name) John Chapman Company: Optima Date: 5/5/16



① FOURTH FLOOR PLAN - LIGHTING

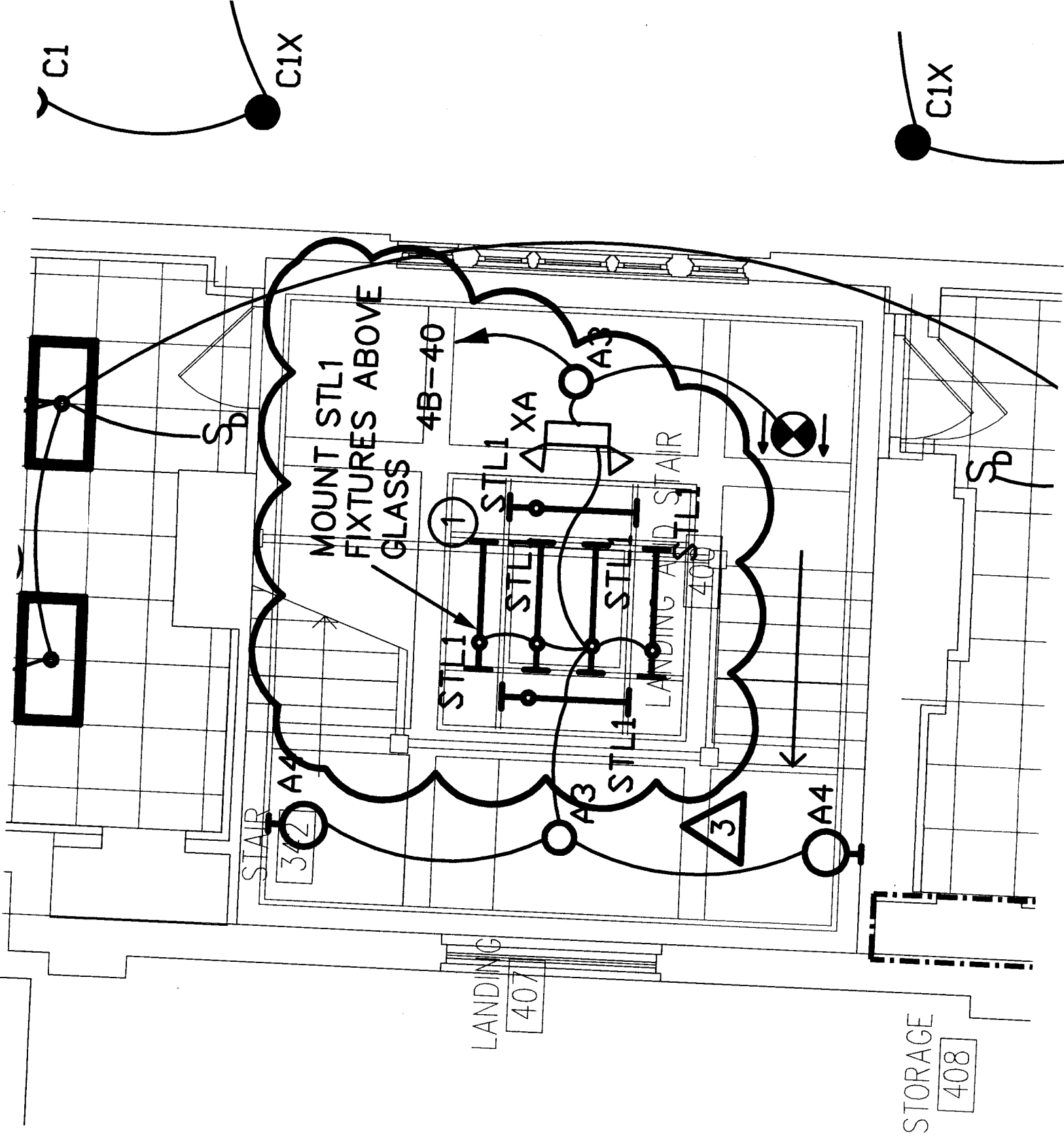
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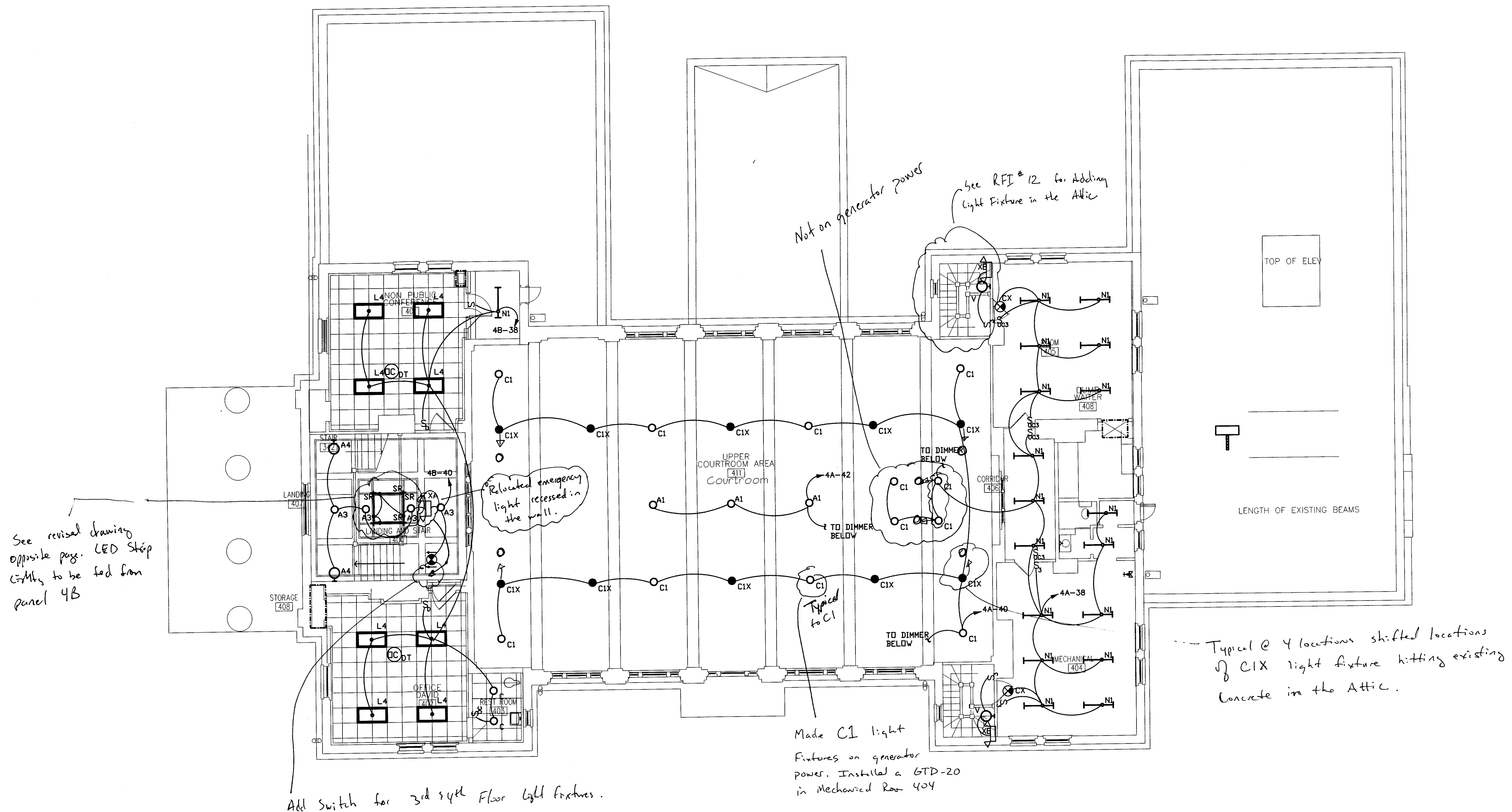


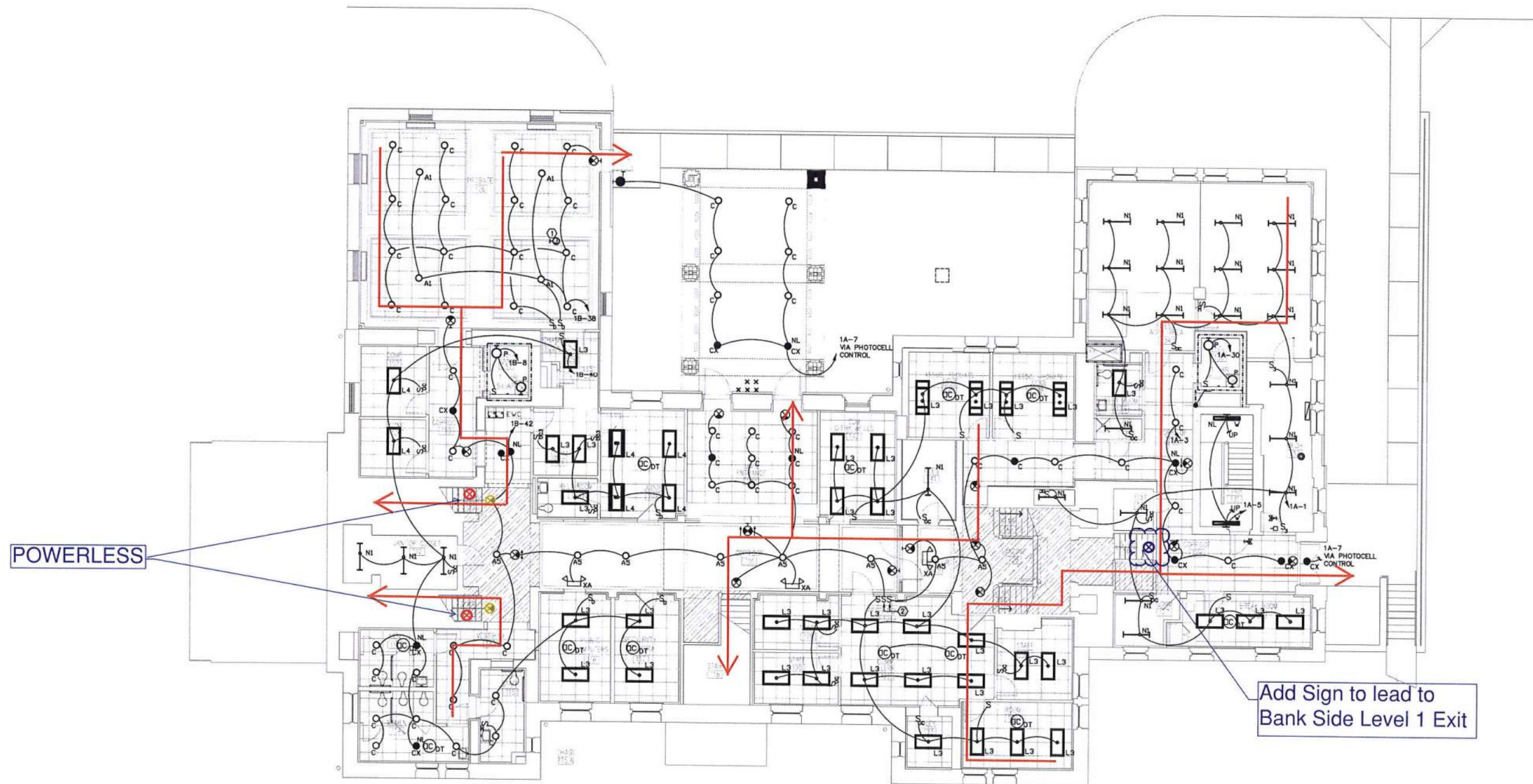
① FOURTH FLOOR PLAN - LIGHTING

NOTE

1. ALL EXIST LIGHTS SHALL BE UNSWITCHED.







POWERLESS

Add Sign to lead to
Bank Side Level 1 Exit

① FIRST FLOOR PLAN - LIGHTING
1/8" = 1'-0"

NOTES

1. ALL EXIT LIGHTS SHALL BE UNSWITCHED.

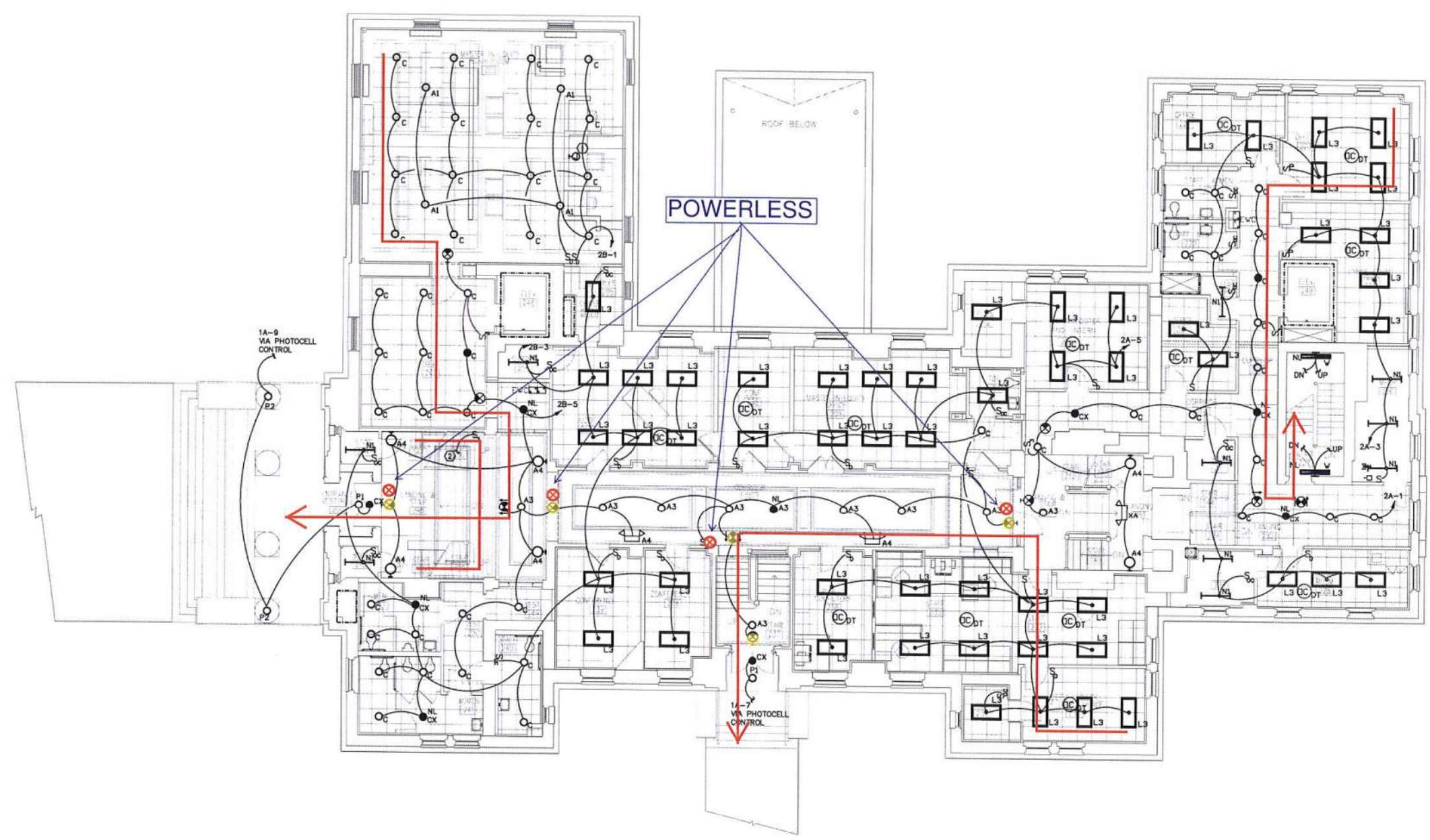
KEYNOTES

1. JUNCTION BOX FOR TASK LIGHTING, COORDINATE EXACT LOCATION.
2. PROVIDE CORRIDOR SWITCH WITH PILOT LIGHT TO INDICATE THE CIRCUIT IS ON.

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1 SECOND FLOOR PLAN - LIGHTING
1/8" = 1'-0"

NOTES
1. ALL EXIT LIGHTS SHALL BE UNSWITCHED.

KEYNOTES
1. JUNCTION BOX FOR TASK LIGHTING, COORDINATE EXACT LOCATION
2. TO 3RD FLOOR CORRIDOR LIGHTS.

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Project No.
1390

Date
07-10-2015

Drawn
JCC

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Revisions

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Fax: 704.865.0046

9133 Two Notch Road
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1.800.671.0621

07/10/2015

RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ELECTRICAL LIGHTING PLAN
SECOND FLOOR

sheet 10.32

OPTIMA # 14-0530 15 OF 17

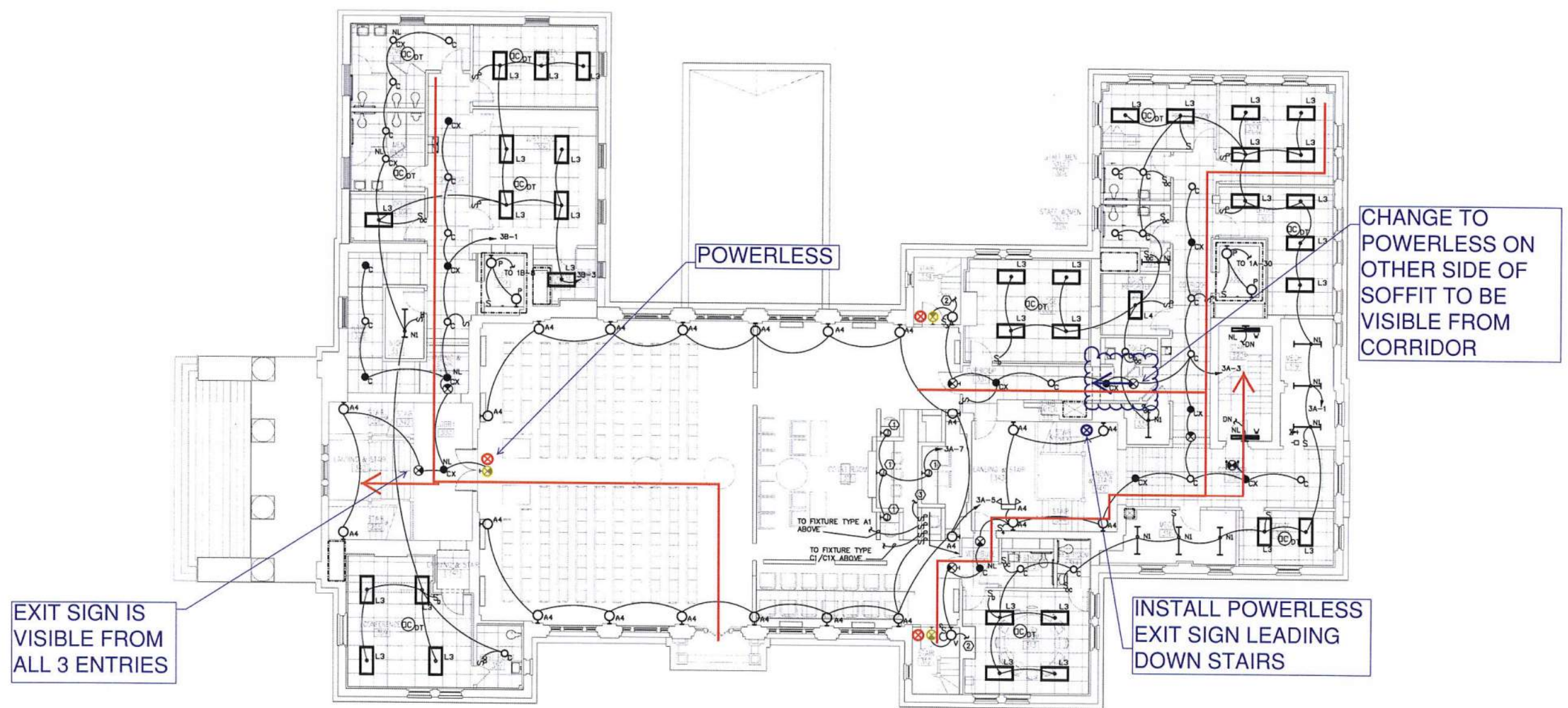


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RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA
ELECTRICAL LIGHTING PLAN
THIRD FLOOR



1 THIRD FLOOR PLAN - LIGHTING
1/8" = 1'-0"

NOTES
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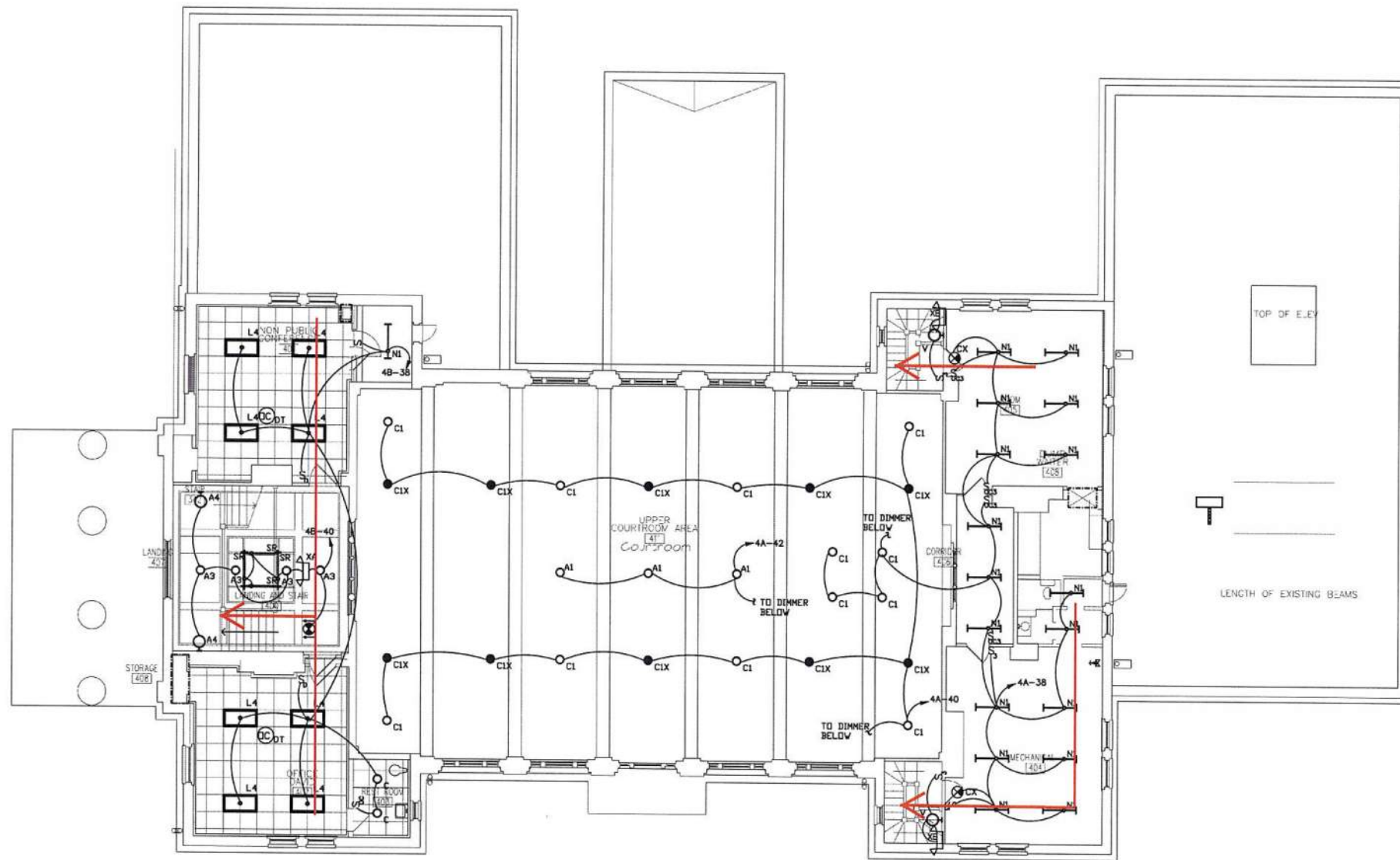
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1 FOURTH FLOOR PLAN - LIGHTING

1/8" = 1'-0"

NOTES

1. ALL EXIST LIGHTS SHALL BE UNSWITCHED.



NOTE

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ARCHITECT'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVIDING THE BETTER QUALITY OR GREATER OF WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.

Project No.
1390

Date
07-10-2015
Drawn
JCC
Checked
BET
Revisions



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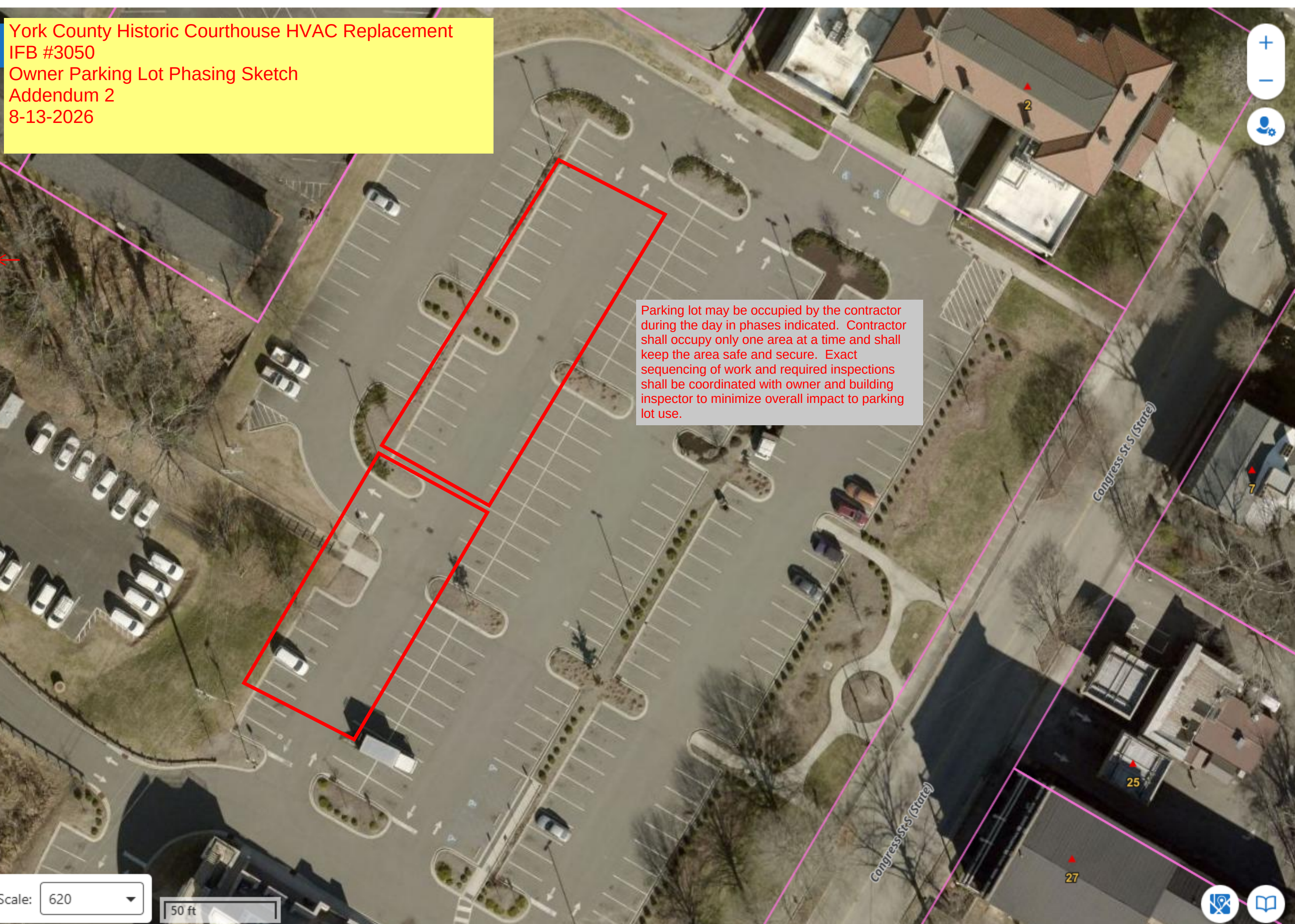


RENOVATIONS & ADDITION FOR
YORK COUNTY COURTHOUSE
YORK, SOUTH CAROLINA

ELECTRICAL LIGHTING PLAN
FOURTH FLOOR

sheet 10.34

York County Historic Courthouse HVAC Replacement
IFB #3050
Owner Parking Lot Phasing Sketch
Addendum 2
8-13-2026



Parking lot may be occupied by the contractor during the day in phases indicated. Contractor shall occupy only one area at a time and shall keep the area safe and secure. Exact sequencing of work and required inspections shall be coordinated with owner and building inspector to minimize overall impact to parking lot use.

Scale: 620

50 ft