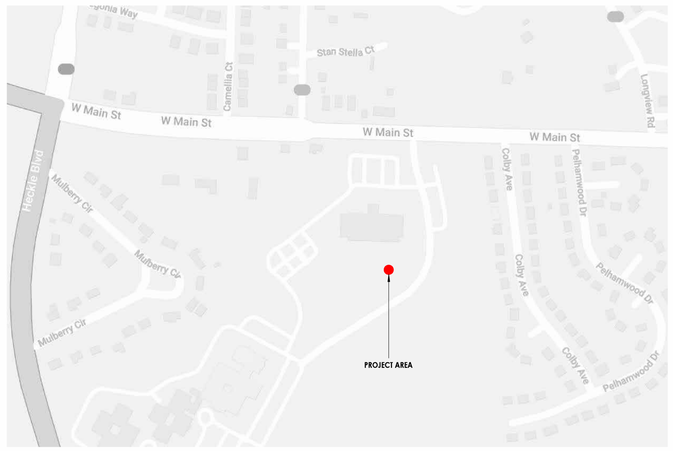
YORK COUNTY
CORONER'S FACILITY - YCE PROJECT #20312

100% CONSTRUCTION DOCUMENTS

1555 WEST MAIN STREET, ROCK HILL, SC 29745

DRAWING LIST CONSTRUCTION DOCUMENTS

LOCATION



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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
CPL Architects and Engineers, P.C.
Charlotte, North Carolina
No. 00069
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 38483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

Issued
08/27/2024

Scale
12" = 1'-0"

Project Status
100% CONSTRUCTION DOCUMENTS

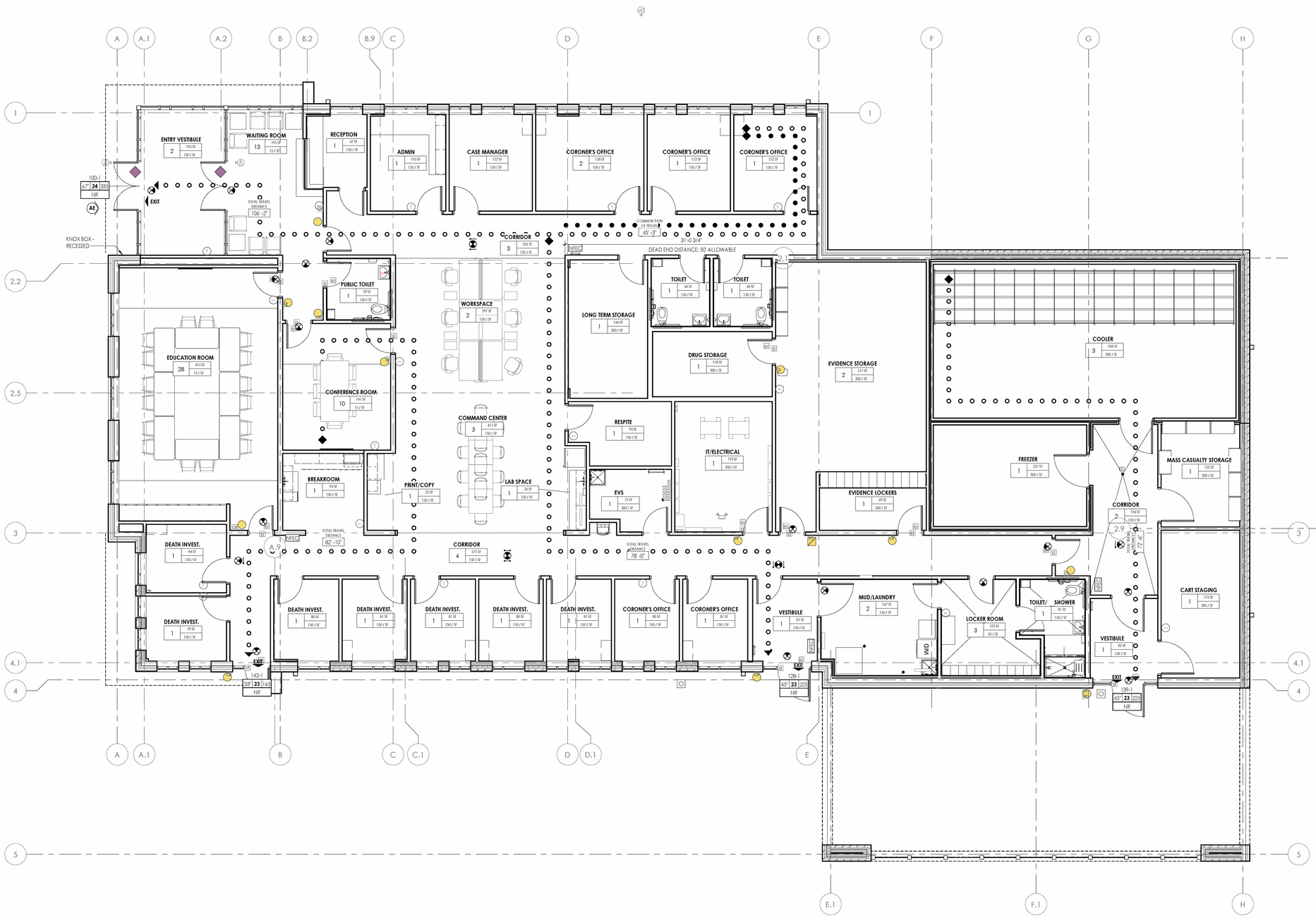
Drawn By
A.C.

Checked By
DMS

Drawing Title
COVER SHEET AND DRAWING LIST

Drawing Number
G000

8/29/2024 5:22:44 PM <project location> Design & Project Files on BIM 360



1 G201 **LIFE SAFETY PLAN LEVEL 1**

3/16" = 1'-0"

LIFE SAFETY GENERAL NOTES

1. WALL RATINGS INDICATE RATING ASSEMBLY REQUIRED IN HOURS. FOR DESIGNATIONS BETWEEN FIRE BARRIER, FIRE PARTITION, AND FIRE WALL, REFER TO CODE STUDY.

LIFE SAFETY SYMBOL LEGEND

AE	ACCESSIBLE BUILDING ENTRANCE
EXIT	EXIT
0.0	EXIT UNITS
EAD	EXIT ACCESS DOOR
HE	HORIZONTAL EXIT
	EXIT SIGN
ROOM NAME / COL / 2555 / OLF 1.5F	ROOM NAME ROOM NUMBER ROOM AREA OCCUPANT LOAD FACTOR OCCUPANT LOAD
DOOR NUM: / RATING	CLEAR WIDTH ANTICIPATED LOAD MAX OCC. CAPACITY DOOR FIRE RATING
TRAVEL DISTANCE 25' - 0"	TRAVEL DISTANCE TO EXIT
COMMON DISTANCE 20' - 0"	COMMON PATH OF EGRESS DISTANCE
MAXIMUM TRAVEL DISTANCE 20' - 0"	MAXIMUM TRAVEL DISTANCE TO EXIT
MAXIMUM COMMON PATH OF EGRESS 20' - 0"	MAXIMUM COMMON PATH OF EGRESS
	NON-RATED SMOKE TIGHT BARRIER
	1 HOUR FIRE RATED & SMOKE BARRIER
	1 HOUR RATED FIRE PARTITION
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED BUILDING SEPARATION
	SUITES
	STOREFRONT IN SMOKE PARTITION
NEW 1 NFE 1 NFEC 1 NFHC	NEW FIRE EXTINGUISHER/HOSE CABINET CONDITIONS
	ACCESS CONTROL DOOR - CARD READER
	AUTO-OPENER
	COMBINATION CARD READER/KEYPAD

Area Schedule (Gross Building)

Level	Name	Area
LVL 1	NEW CONSTRUCTION	8742 SF

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PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: OVERALL LIFE SAFETY PLAN LEVEL 1
Drawing Number: G201

8/29/2024 5:22:46 PM <project location>\2-Design & Project Files on BIM 360

GENERAL NOTES

1. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR SECURING THE PROJECT SITE AT THE END OF EACH WORK DAY. ALL MAN AND EQUIPMENT GATES TO REMAIN CLOSED DURING THE WORK DAY, TO PREVENT PATRONS AND STAFF FROM ENTERING THE CONSTRUCTION WORK AREAS. IF TEMPORARY CONSTRUCTION FENCING IS REMOVED TO ACCESS ACTIVE WORK AREAS, IT MUST BE IMMEDIATELY RESTORED UPON COMPLETION OF WORK OR AT THE END OF THE WORK DAY.
2. THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM DRAWINGS OF RECORDS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES, WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND MAY BE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, BORING, OR BLASTING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL SOUTH CAROLINA 811 (SC811) AT 1-(888)-721-7877 AT LEAST 72 HOURS PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES, SERVICES, SEWERS AND LATERALS AHEAD OF PIPE LAYING OR OTHER WORK OPERATIONS SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
4. SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
5. THE OWNER WILL OBTAIN ALL EASEMENTS OUTLINED IN THE PROJECT SPECIFICATIONS.
6. THE CONTRACTOR SHALL OBTAIN ALL PERMITS OUTLINED IN THE PROJECT SPECIFICATIONS.
7. THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS.
8. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
9. CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES, FENCES AND OTHER OBSTACLES WITHIN THE ROW AND EASEMENT.
10. UTILITY POLES SHALL BE SUPPORTED, WHERE NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED TREE EXPERT TO REMOVE, WHERE NECESSARY, BRANCHES WHICH INTERFERE WITH THE CONSTRUCTION OPERATIONS, OR REPAIR TREES HAVING SUFFERED DAMAGE BY CONSTRUCTION ACTIVITIES. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS OF THE CONTRACT.
12. CONTRACTOR TO PROTECT NEW OR EXISTING WORK, SHEETING OR SHORING (IF REQUIRED DURING CONSTRUCTION) AT NO EXTRA COST TO THE OWNER.
13. WHEREVER MAILBOXES, POSTS, FENCES, SHRUBBERY, ETC. ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THEY SHALL BE REMOVED AND RESET AS ORDERED BY THE ENGINEER. COST TO BE INCLUDED IN THE VARIOUS BID ITEMS OF THE CONTRACT.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE.
15. THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF ANY APPLICABLE EASEMENTS OR PERMITS.
16. MATERIALS, EQUIPMENT, AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE RIGHT-OF-WAY.

GRADING NOTES

1. ALL PROPOSED SPOT ELEVATIONS ARE FINISH GRADES UNLESS OTHERWISE NOTED.
2. ALL PROPOSED SPOT ELEVATIONS AT CURB LINES ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED.
3. GRADE TO DRAIN AT ALL CATCH BASINS, FIELD DRAINS, AREA DRAINS, AND INLETS.
4. FINISH GRADES SHALL SLOPE AWAY FROM ALL BUILDINGS AND STRUCTURES FOR A MINIMUM OF 10 FEET UNLESS DIRECTED TO A STORMWATER COLLECTION STRUCTURE.
5. ADJUST ALL MH RIMS, CLEAN OUTS, VALVE COVERS, HAND HOLES, AND ALL OTHER UTILITY STRUCTURES TO FINISH GRADES.
6. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FINAL GRADES, ELEVATIONS, AND INVERTS.
7. IN ALL DISTURBED AREAS THAT DO NOT CALL FOR PAVEMENT, LANDSCAPING OR OTHER SPECIFIC SURFACE FINISH, THE CONTRACTOR SHALL PLACE A MINIMUM OF 4" TOPSOIL AND GRADE TO EXISTING OR PROPOSED GRADES, AND SEED WITH LAWN GRASS.
8. IF REQUIRED ADJUST ELEVATIONS OF ALL BURIED UTILITY LINES, UNITS & DEVICES TO PROVIDE MINIMUM REQUIRED COVER FOR FINISHED GRADE ELEVATIONS (COORDINATE WITH UTILITY PROVIDERS).

STORM SEWER GENERAL NOTES:

1. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH SCDHEC, USACE, OSHA AND CITY OF ROCK HILL REQUIREMENTS.
2. THE APPROXIMATE LOCATION OF THE PROPOSED STORM SEWER IS INDICATED ON THE PLANS, HOWEVER THE ACTUAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
3. HIGHWAY DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
4. ALL EXISTING UTILITY LINES AND SERVICE LATERALS NEAR OR CROSSING THE NEW STORM SEWER SHALL BE PROTECTED, PRESERVED AND SUPPORTED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR STORM SEWER ABANDONMENT WORK IN THE APPROPRIATE PAYMENT ITEMS, INCLUDING ABANDONING, REMOVAL, AND PROPER DISPOSAL OF EXISTING STORM SEWER PIPES, STRUCTURES, LATERALS, AND APPURTENANCES, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND AS SHOWN ON THE PLANS.
6. FOR AVOIDANCE OF UNRESTRICTED GROUNDWATER FLOW ALONG PIPES AND TRENCHES, INCIDENTAL MIGRATION OF SOIL PARTICLES AND POTENTIAL RESULTANT SETTLEMENT, FLOOR SLABS OF MANHOLES AND CATCH BASINS SHALL BE PLACED ON COMPACTED SELECT FILL MATERIAL FOUNDATIONS, AND COHESIVE SOIL SHALL BE USED TO BACKFILL THE SPACE BETWEEN MANHOLES/CATCH BASINS AND TRENCH SIDES. COHESIVE SOILS SHALL ALSO BE USED TO BACKFILL SEWER TRENCHES FOR DISTANCES OF AT LEAST 2 FEET AND UP TO 5 FEET UPSTREAM AND DOWNSTREAM FROM EACH STRUCTURE (MANHOLE OR CATCH BASIN), MEASURED FROM THE OUTSIDE FACE OF THE STRUCTURE.
7. IF THE NATURAL SUBSOIL CONSISTS OF COHESIVE SOIL MATERIAL, THEN THAT SOIL MAY BE USED FOR BACKFILL AS DESCRIBED PREVIOUSLY. IF IN THE OPINION OF THE ENGINEER, THE MATERIAL REMOVED FROM THE EXCAVATION IS COHESIONLESS OR GRANULAR IN CONTENT, AND IS UNABLE TO ACT AS A BARRIER TO FLOW OF WATER, THEN AN APPROVED COHESIVE SOIL SHALL BE USED.
8. COHESIVE SOILS THAT ARE PLACED TO FORM BARRIERS AT STRUCTURES SHALL BE INSTALLED IN 6-INCH LIFTS/LAYERS, AND SHALL BE COMPACTED BY MECHANICAL TAMPERS SUITABLE FOR CONDITIONS AND ABLE TO ACHIEVE 90% MODIFIED PROCTOR DENSITY.
9. THE CONTRACTOR SHALL INCLUDE THE COHESIVE SOIL STOCK PILING, LABOR, AND MATERIALS REQUIRED TO INSTALL THE COHESIVE SOIL BARRIERS IN THE MANHOLE AND CATCH BASIN PAYMENT ITEMS.

DEMOLITION NOTES

1. WHEN REMOVING PAVEMENT OR CURBS THAT ARE ADJACENT TO PAVEMENT, CURBING OR STRUCTURES THAT ARE TO REMAIN, FULL DEPTH SAW CUT THE PAVEMENT TO BE REMOVED UNLESS SEPARATED BY AN EXISTING ISOLATION JOINT.
2. PROTECT ALL UTILITIES, EXISTING DEVICES & ROAD SIGNS THAT ARE TO REMAIN.
3. STORE ON-SITE AND REUSE PARKING/BUILDING/STREET SIGNS WHEREVER POSSIBLE. REUSED SIGNS TO BE MOUNTED TO NEW SIGN POSTS. PROPERLY DISPOSE OF ALL REMAINING SIGNS AND POSTS THAT WERE NOT REUSED.
4. REMOVE & PROPERLY DISPOSE OF ALL TREES, BRUSH & DEBRIS WITHIN LIMITS OF DISTURBANCE AS DESIGNATED (CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ORGANIC MATERIAL, INCLUDING STUMPS AND ROOT SYSTEMS UNDER PROPOSED PAVEMENT). ALL TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE.
5. REMOVE & STOCK PILE ON SITE ALL TOP SOIL WITHIN AREA OF DISTURBANCE FOR LATER USE. EXCESS TOPSOIL TO BE STOCKPILED AT DESIGNATED LOCATION. THE TOPSOIL PILE LOCATION SHALL BE SURROUNDED WITH SILT FENCE AND SEEDED WITH LAWN GRASS SEED MIXTURE.
6. COORDINATE WITH OWNER'S REPRESENTATIVE TO INSPECT GROUND DURING TOPSOIL REMOVAL & CLEARING AND GRUBBING PROCESS. POT HOLES RESULTING FROM TREE ROOT REMOVAL SHOULD BE BACKFILLED & COMPACTED WITH STRUCTURAL BACKFILL AS DIRECTED BY OWNER'S REPRESENTATIVE.
7. PROOF ROLL THE NEWLY EXPOSED SUBGRADE IN THE PRESENCE OF OWNER'S REPRESENTATIVE. UNDERCUT UNSUITABLE SUBGRADE AS DIRECTED BY OWNER'S REPRESENTATIVE.
8. PROTECT TREES, UTILITY POLES, GUY WIRES, POSTS, EDGE OF CONCRETE WALKS & CURB, AND ROOT SYSTEMS TO REMAIN AS NOTED, OR AS REQUIRED, FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE AS NECESSARY ANY ITEM DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
9. CONTRACTOR TO TAKE PRECAUTIONS TO PROTECT EXISTING ROOTS DURING CONSTRUCTION. ROOTS SHALL BE CLEAN CUT AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
10. ALL UNDERGROUND UTILITIES AND THEIR LOCATION SHOWN HEREON ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING UTILITIES AND VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO EXISTING UTILITIES IF DAMAGED BY WORK.
11. CONTRACTOR TO COORDINATE ALL WORK DONE RELATED TO UTILITY POLES AND OVERHEAD LINES WITH UTILITY PROVIDERS.
12. CONTRACTOR SHALL REMOVE ALL EXISTING UNDERGROUND UTILITIES DESIGNATED, AND FILL EXCAVATION AREA WITH STRUCTURAL FILL AND COMPACTED IN 6" LIFTS.
13. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL PIPES AN CONDUITS TO BE ABANDONED SHALL BE CUT AND SEALED ON BOTH ENDS. ALL PIPES AND CONDUITS 4" IN DIAMETER OR LARGER SHALL ALSO BE FULLY FILLED WITH SAND OR FLOWABLE FILL.

CONSTRUCTION SEQUENCING NOTES:

1. CALL CITY OF ROCK HILL INFRASTRUCTURE (803-329-5515) TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE AND TO RECEIVE A LAND DISTURBANCE PERMIT.
2. CONTACT CITY OF ROCK HILL INFRASTRUCTURE (803-329-5515) 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE/EXIT AT LOCATIONS DESIGNATED ON PLANS.
4. INSTALL PERIMETER SILT FENCE. INSTALL INLET PROTECTION AROUND EXISTING STRUCTURES.
5. CONTACT CITY INSPECTOR (803-329-5515) FOR FIELD INSPECTION AND APPROVAL OF PERIMETER AND INITIAL PHASE BMP'S. NO MASS GRADING OR CLEARING CAN COMMENCE UNTIL INITIAL CONTROLS ARE IN PLACE AND CITY INSPECTOR HAS SIGNED OFF ON SAID CONTROLS.
6. AFTER CITY INSPECTOR GIVES APPROVAL FOR PERIMETER/INITIAL CONTROLS, CONTRACTOR SHALL IMMEDIATELY SEED AND/OR SOD AND STABILIZE STORMWATER SEDIMENT BASINS, TRAPS, OR PONDS.
7. NO SOIL DISTURBANCE RELATED TO DEMOLITION OR CONSTRUCTION MAY BEGIN UNTIL STEPS 1-3 ABOVE HAVE BEEN VERIFIED BY THE OPERATOR'S REPRESENTATIVE.
8. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE CONSTRUCTION IS PLANNED TO COMMENCE WITHIN 7 DAYS AFTER CLEARING AND GRUBBING.
9. STRIP TOPSOIL AND STOCKPILE IN A LOCATION ACCEPTABLE TO CONSTRUCTION MANAGER. WHEN STOCKPILE IS COMPLETE, INSTALL PERIMETER SILT FENCE AROUND STOCK PILE, SEED SURFACE WITH 100% PERENNIAL RYEGRASS MIXTURE AT A RATE OF 2-4 LBS. PER 1000 SF. APPLY 90-100 LBS PER 1000 SF OF MULCH. IF EXISTING CONDITIONS DO NOT YIELD ADEQUATE TOPSOIL, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING TOPSOIL FOR FINAL GRADES FORM A PROPERLY PERMITTED LOCATION OR SOD MAY BE UTILIZED TO SUPPLEMENT.
10. COMMENCE EARTHWORK CUT AND FILLS. THE WORK SHALL BE PROGRESSED TO ALLOW A REASONABLE TRANSFER OF CUT AND FILL EARTH FOR ROUGH GRADING AND EARTH MOVING. THE CONTRACTOR WILL BE GIVEN SOME LATITUDE TO VARY FROM THE FOLLOWING SCHEDULE IN ORDER TO MEET THE FIELD CONDITIONS ENCOUNTERED. ANY CHANGES TO THE SWPPP MUST BE REVIEWED AND APPROVED BY THE CITY OF ROCK HILL. ALL CHANGES TO SWPPP DRAWINGS MUST BE DOCUMENTED WITHIN ONSITE SWPPP.
11. STABILIZE ALL AREAS AS SOON AS PRACTICABLE THAT WILL BE IDLE IN EXCESS OF 7 DAYS AND IN WHICH CONSTRUCTION WILL NOT COMMENCE WITH 14 DAYS.
12. STAGE OR PHASE THE WORK IS SUCH A MANNER THAT ONLY FIVE ACRES OF SOIL WILL BE DISTURBED AT ANY ONE TIME. PROVIDE TEMPORARY OR PERMANENT STABILIZATION IN DISTURBED AREAS AS NEEDED TO MAINTAIN A TOTAL DISTURBANCE OF LESS THAN FIVE ACRES. IF CIRCUMSTANCES REQUIRE MORE THAN FIVE ACRES TO BE DISTURBED, ALL WORK WILL BE DISCONTINUED UNTIL THE CONTRACTOR CAN OBTAIN A FIVE-ACRE WAVER FROM THE MS4.
13. FOLLOWING ROUGH GRADING, UTILITY INSTALLATION SHOULD BEGIN, TRENCH EXCAVATION/BACKFILL AREAS SHOULD BE STABILIZED PROGRESSIVELY AT THE END OF EACH WORKDAY WITH SEED AND STRAW MULCH AT A RATE OF 100% PERENNIAL RYE GRASS AT 2-4 LBS/1000 SF MULCHED AT 90-100 LBS/1000 SF.
14. CONSTRUCT ALL CURB INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS.
15. INSTALL INLET/OUTLET PROTECTION AT THE LOCATIONS OF ALL GRADE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES PRIOR TO FINAL PAVING.
16. FINISH GRADE AND PAVEMENT SUBGRADE PREPARATION.
17. AS LANDSCAPED AREAS ARE BROUGHT TO GRADE, STABILIZE WITH TOPSOIL, SEEDING AND MULCHING PER SPECIFICATIONS.
18. ASPHALT PAVING AND CONCRETE WORK.
19. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION (THESE AREAS ARE TO BE PAVED LAST).
20. INSTALL OR CONVERT ANY APPLICABLE TEMPORARY BMP'S TO POST-CONSTRUCTION CONFIGURATION SUCH AS: DETENTION BASIN OR RETENTION POND OUTLET STRUCTURE, RESTORATION OF DETENTION BASIN/RETENTION POND BOTTOM (SEDIMENT DEPOSITION REMOVAL), INSTALLATION OF CATCH BASIN INSERTS, FINAL STABILIZATION, ETC. CONTACT CITY INSPECTOR FOR PERMISSION TO CONVERT SEDIMENT PONDS TO FINAL DETENTION POND CONFIGURATION. FINAL POND CONVERSION MUSH INCLUDE INSTALLATION OF POND FENCING IN ACCORDANCE WITH CITY OF ZONING AND STORMWATER REQUIREMENTS, OR VERIFICATION OF MINIMUM SLOPE AND/OR BENCHING REQUIREMENTS WHERE FENCING IS NOT PROVIDED.
21. OBTAIN CITY APPROVAL FOR INFRASTRUCTURE AS-BUILTS AS APPLICABLE.
22. CONTACT THE CITY OF ROCK HILL (803-329-5515) FOR PERMISSION TO FILE N.O.T. WITH SCDES.

SIDEWALK NOTES

GENERAL:

1. THE DIMENSIONS AND SLOPE PRESENTED IN THE DETAILS ARE THE MINIMUM NECESSARY TO COMPLY WITH THE ADA AND DOT STANDARDS. ANY DEVIATION LESS THAN THE MINIMUM WIDTH OR GREATER THAN THE MAXIMUM SLOPE FROM THESE STANDARDS MUST BE DOCUMENTED WITH THE STANDARDS BEING MET TO THE GREATEST EXTENT PRACTICABLE AND CONSISTENT WITH THE MOST CURRENT ADAAG.
2. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUALITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
3. CURB RAMPS, LANDINGS AND BLENDED TRANSITIONS MAT REQUIRE THE USE OF DETECTABLE WARNINGS. DETECTABLE WARNINGS ON THIS SHEET ARE SHOWN FOR ILLUSTRATION ONLY. REFER TO THE DETECTABLE WARNING DETAILS FOR DETAILS ON PLACEMENT, ORIENTATION & DIMENSIONS. REFER TO CHAPTER 18 OF THE HIGHWAY DESIGN MANUAL FOR MORE INFORMATION.
4. THE CONFIGURATIONS SHOWN GENERICALLY REPRESENT THE MOST COMMON SITUATIONS ENCOUNTERED. THEY ARE INTENDED TO PRESENT CURB RAMP DESIGN CONCEPTS. SITE CONDITIONS AT INDIVIDUAL LOCATIONS REQUIRE SPECIFIC DESIGNS.
5. COORDINATE TRAFFIC CONTROL DEVICES, UTILITY LOCATIONS, SIGNS, STREET FURNITURE AND DRAINAGE TO ENSURE A CONTINUOUS PEDESTRIAN ACCESS ROUTE AT ALL CURB RAMP LOCATIONS. GUIDANCE FOR CROSSWALK MARKINGS AND TRAFFIC CONTROL DEVICES IS PROVIDED IN THE MUTCD.
6. SINGLE DIAGONAL OR DEPRESSED CORNER CURB RAMPS SERVING TWO STREET CROSSING DIRECTIONS SHOULD BE AVOIDED IN NEW CONSTRUCTION AND SHOULD ONLY BE CONSIDERED WHERE CONDITIONS REQUIRE THEIR USE. SEE SCDOT STANDARD SHEETS 720-929 FOR RAMP TYPES.
7. GRATES SHALL NOT BE LOCATED ON CURB RAMPS, BLENDED TRANSITIONS OR LANDINGS. ACCESS TO COVERS OF SIMILAR SURFACES SHALL COMPLY WITH APPLICABLE SURFACE REQUIREMENTS.
8. UTILITIES, SIGNS AND OTHER FIXED OBJECTS MAY NOT BE PLACED ON A CURB, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.
9. THE SURFACE OF ALL CURB RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE IS RECOMMENDED ON CONCRETE RAMP SURFACES, EXCLUSIVE OF THE DETECTABLE WARNING FIELDS.
10. THERE SHALL BE A LANDING AT THE TOP OF EACH PERPENDICULAR CURB RAMP AND A LANDING AT THE BOTTOM OF RAMPS. SEE SCDOT STANDARD SHEETS 720-929 FOR RAMP TYPES.
11. LANDINGS MAY OVERLAP WITH ADJACENT LANDINGS OR A SINGLE LANDING MAY SERVE MULTIPLE CURB RAMPS.
12. LANDINGS MAY OVERLAP WITH THE CLEAR GROUND SPACE REQUIRED AT PEDESTRIAN SIGNAL PUSH BUTTONS.

CURB RAMP NOTES:

13. THE MINIMUM WIDTH FOR SIDEWALK CURB RAMPS IS 5'-0".
14. THE RUNNING SLOPE OF A CURB RAMP SHALL BE 1:20 (5%) MINIMUM (PREFERRED) AND 1:12 (8.33%) MAXIMUM.
15. WHERE THE SLOPE OF THE ROADWAY EXCEEDS 8.33% THE CURB RAMP LENGTH IS THE LENGTH NECESSARY TO MEET THE EXISTING SIDEWALK. IT IS NOT NECESSARY THAT THE RAMP LENGTH EXCEED 15'-0".
16. THE CROSS SLOPE OF CURB RAMPS SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEED 1:50 (2%). THE CROSS SLOPE AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.
17. THE VERTICAL ALIGNMENT OF A CURB RAMP, EXCLUDING THE FLARES, SHALL BE PLANAR. GRADE BREAKS SHALL BE FLUSH AND PERPENDICULAR TO THE DIRECTION OF THE RAMP.
18. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (¼"MAX).
19. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED PARALLEL TO THE CURB LINE, SHALL BE PROVIDED.

LANDING NOTES:

20. LANDINGS SHALL HAVE A MINIMUM CLEAR DIMENSION OF A 5'-0" BY 5'-0"
21. THE RUNNING AND CROSS SLOPES ON LANDINGS AT INTERSECTIONS IS 1:50 (2%) MAXIMUM. THE RUNNING AND CROSS SLOPES AT MIDBLOCK CROSSINGS MAY BE WARPED TO MEET STREET OR HIGHWAY GRADE.

DETECTABLE WARNING UNIT DIMENSIONS:

22. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.

DETECTABLE WARNINGS LOCATIONS:

23. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRAVERSABLE CURB IS USED).
24. THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'-0" MINIMUM AND 15'-0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.

DOME ALIGNMENT:

25. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.
26. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

COLOR REQUIREMENTS:

27. THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

SEDIMENT AND EROSION CONTROL NOTES

1. IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED DAILY UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
   - 2.1. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   - 2.2. WHERE CONSTRUCTION ACTIVITY 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.
3. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. CONTRACTOR SHALL ASSESS ALL BMPS WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES AND SUBSEQUENT BMP INSTALLATION. INSPECTION FREQUENCIES FOR PORTIONS OF THE CONSTRUCTION SITE THAT HAVE REACHED TEMPORARY OR FINAL STABILIZATION MAY BE REDUCED TO AT LEAST ONCE EVERY MONTH, AS LONG AS THE STABILIZATION IS MAINTAINED AND THERE IS NO ADDITIONAL DISTURBANCE IN THESE AREAS. INSPECTIONS FOR BMPS, SUCH AS SEDIMENT BASINS, PONDS AND/OR TRAPS, WHICH MAY RECEIVE FLOW FROM LAND DEVELOPMENT AND/OR CONSTRUCTION ON INDIVIDUAL LOTS, MAY BE REQUIRED TO RESUME, IF AREAS THAT DRAIN TO THEM BECOME DISTURBED DURING FUTURE CONSTRUCTION. ANY TEMPORARY BMP THAT ALSO SERVES TO MITIGATE FOR PEAK FLOWS, OR IS TO BE CONVERTED TO A PERMANENT POST-DEVELOPMENT STORMWATER MITIGATION FACILITY, MUST ALSO BE SUBJECT TO REGULAR INSPECTIONS, THROUGHOUT THE COURSE OF CONSTRUCTION OR DEVELOPMENT, UNTIL SAID FACILITIES HAVE BEEN CONVERTED TO A POST-DEVELOPMENT CONFIGURATION AND A N.O.T. IS FILED. IF SITE INSPECTIONS OR OTHER INFORMATION IDENTIFY BMPS THAT ARE DAMAGED, INAPPROPRIATELY OR INCORRECTLY INSTALLED, OR NOT OPERATING EFFECTIVELY, THEN MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICABLE, OR AS REASONABLY POSSIBLE AND NO LESS THAN 48 HOURS FROM THE TIME OF IDENTIFICATION (PREFERABLY BEFORE THE NEXT STORM EVENT).
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES AS MAY BE REQUIRED TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. CONTRACTOR MUST IMPLEMENT AND MAINTAIN "SEASONAL" SEEDING TO ASSURE PROPER STABILIZATION AND VEGETATION, THROUGHOUT THE COURSE OF CONSTRUCTION. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY STORMWATER SYSTEMS, WATER COURSES AND WATERS OF THE STATE (WOS) OR WATERS OF THE UNITED STATES (WOU.S.).
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH SC REG. 72-300 SEQ. AND SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WOS OR WOU.S., INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS AND A 130-FOOT MINIMUM BUFFER FOR WOU.S. ONE ROW OF SILT FENCE MUST BE WIRE- BACKED. A 25-FOOT NO DISTURBANCE ZONE SHALL BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS AND A MINIMUM 50-FOOT NO DISTURBANCE ZONE FOR WOU.S BUFFERS AND NO DISTURBANCE ZONES SHALL BE MEASURED FROM TOP OF CREEK BANK.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP (INCLUDING CIVIL CONSTRUCTION PLANS AND SUPPORTING DOCUMENTS), INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF SEVEN (7) CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE AND STOCKPILE TOPSOIL FOR REUSE.
14. INSPECTION REPORTS MUST INCLUDE THE FOLLOWING:
   - 14.1. THE INSPECTION DATE;
   - 14.2. NAMES, TITLES, AND THE QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION IF NOT PREVIOUSLY GIVEN IN AN INSPECTION REPORT, UNLESS THOSE QUALIFICATIONS CHANGE;
   - 14.3. ALL DISCHARGE POINTS;
   - 14.4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
   - 14.5. TOTAL RAINFALL SINCE LAST INSPECTION;
   - 14.6. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
   - 14.7. LOCATION(S) OF BMPS THAT NEED MAINTENANCE;
   - 14.8. LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
   - 14.9. LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION;
   - 14.10. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE OS-SWPPP NECESSARY AND IMPLEMENTATION DATES;
   - 14.11. SITE NAME, OPERATOR NAME AND PERMIT NUMBER; AND
   - 14.12. VERIFICATION THAT ALL BMPS AND STORMWATER CONTROLS IDENTIFIED IN THE OS-SWPPP HAVE BEEN INSTALLED AND ARE OPERATING AS DESIGNED.
   - 14.13. DETERMINE IF THE CONSTRUCTION SEQUENCE IS BEING FOLLOWED;
   - 14.14. STATUS OF CORRECTIVE ACTIONS UNDERTAKEN FOLLOWING PREVIOUS INSPECTION TO INCLUDE DATE(S) EACH ITEM WAS ADDRESSED;
   - 14.15. LIST OF ITEMS THAT HAVE CARRIED OVER FROM PREVIOUS INSPECTION REPORTS THAT WERE NOT ADDRESSED.
15. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
16. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON- SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
17. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
18. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
19. BMP MEASURES FOR CONCRETE TRUCK WASHOUT SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   - 19.1. CONCRETE TRUCKS SHALL NOT TYPICALLY BE WASHED OUT ON SITE. IF CONCRETE TRUCK WASHOUT IS PERMITTED ON SITE, COORDINATE LOCATION AND BMP'S WITH SITE INSPECTOR.
   - 19.2. DO NOT DISPOSE OF CONCRETE TRUCK WASHOUT WASTE BY DUMPING INTO A SANITARY SEWER, STORM DRAIN OR ONTO SOIL OR PAVEMENT THAT CARRIES STORM WATER RUNOFF.
   - 19.3. CONCRETE TRUCK WASHOUT SHALL BE DISPOSED OF IN ACCORDANCE WITH THE FOLLOWING:
     - 19.3.1. DESIGNATED AREA THAT WILL LATER BE BACKFILLED (SLURRY PIT)
     - 19.3.2. DESIGNATED AREA WHERE CONCRETE WASH CAN HARDEN AND BE DISPOSED OF AS SOLID WASTE.
     - 19.3.3. LOCATION THAT IS NOT SUBJECT TO WATER RUNOFF, AND MORE THAN 50 FEET AWAY FROM A STORM DRAIN, OPEN DITCH, OR RECEIVING WATER WAY.
     - 19.3.4. PUMP EXCESS CONCRETE IN CONCRETE PUMP BIN BACK INTO CONCRETE MIXER TRUCK.
     - 19.3.5. CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OF OFFSITE.
20. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
   - 20.1. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   - 20.2. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
   - 20.3. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
   - 20.4. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
21. ALL CHEMICAL SPILLS, OIL SPILLS, OR FISH KILLS MUST BE REPORTED TO SCDHEC LAND & WASTE MANAGEMENT EMERGENCY RESPONSE – CALL THE 24-HOUR EMERGENCY RESPONSE LINE AT 1-888-481- 0125.
22. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION WORKERS AND SITE VISITORS IN ACCORDANCE WITH 2006 INTERNATIONAL PLUMBING CODE GENERAL REGULATIONS, SECTION 311 (OR CURRENT REVISION). PORTABLE FACILITIES SHALL BE PLACED ON LEVEL GROUND AND AWAY FROM STORM DRAINAGE SYSTEMS (DITCHES, CATCH BASINS, ETC.). DISPOSAL AND HANDLING OF SANITARY WASTE MUST COMPLY WITH SCDHEC REQUIREMENTS.
23. FINAL GRADES FOR GRASSED AND LANDSCAPED AREAS SHALL REQUIRE A MINIMUM 4" OF CLEAN TOP SOIL, FREE OF DEBRIS AND CONTAMINANTS, AND PREFERABLY OF NATIVE ORIGIN.
24. STORMWATER MITIGATION MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH CITY OF ROCK HILL INFRASTRUCTURE REQUIREMENTS, FOR WATER QUALITY AND QUANTITY, INCLUDING TEMPORARY CONTROLS FOR FOR THE LAND DISTURBANCE PHASE AND PERMANENT MEASURES FOR POST-CONSTRUCTION.

SURVEY SYMBOL LEGEND

BASKETBALL HOOP	GUY ANCHOR POLE	DECIDUOUS SHRUB
BOULDER	GAS VALVE	EVERGREEN SHRUB
BASELINE STATION	HAND HOLE	SPIGOT
BENCHMARK	FIRE HYDRANT	SPRINKLER HEAD
BOLLARD	INLET MANHOLE	DRAINAGE (STORM) MANHOLE
BORING	IRON PIN	STUMP
CATCH BASIN SQUARE	LIGHT POLE 1	TELEPHONE BOX
CATCH BASIN ROUND	LIGHT POLE 2	TELEPHONE MANHOLE
CLEANOUT	LAMP POST	DECIDUOUS TREE
CURB STOP	MAIL BOX	CONIFEROUS TREE
CATV BOX	MONUMENT	TEST PIT
DROP INLET	PULL BOX	UTILITY BOX
DRILL HOLE	PEDESTRIAN SIGNAL POLE	WELL
DRY HYDRANT	POST	WETLAND FLAG
ELECTRIC BOX	UTILITY POLE	WATER METER
ELECTRIC MANHOLE	SANITARY MANHOLE	WATER MANHOLE
FLARED END SECTION	SANITARY VALVE	WOOD POST SQUARE
FIBER OPTIC BOX	SATELLITE DISH	WOOD POST ROUND
FILL CAP	SIGN POST	WATER VALVE
FLAGPOLE	DOUBLE SIGN POST	YARD INLET SQUARE
GAS METER	SIGN DOUBLE POST	YARD INLET ROUND
GAS LINE MARKER	DOUBLE SIGN AND POST	MANHOLE GENERIC
GUY ANCHOR WIRE	STREET SIGN (4-WAY)	MONITOR WELL

SURVEY LINETYPE LEGEND

Line label	Status	Description
	EXISTING	DITCH
	EXISTING	EASEMENTS
x	EXISTING	FENCE
	EXISTING	STONE WALL
	EXISTING	PARCEL LINE
	EXISTING	PARCEL BOUNDARY LOTS
	EXISTING	PARCEL SETBACK
	EXISTING	RAILROAD TRACKS
	EXISTING	ROADWAY CENTERLINE
	EXISTING	ROADWAY GUIDERAIL
	EXISTING	CONTOUR MAJOR
	EXISTING	CONTOUR MINOR
	EXISTING	WATERBODY EDGE
	EXISTING	WETLAND
OC	EXISTING	OVERHEAD CABLE TV
OE	EXISTING	OVERHEAD ELECTRIC
OT	EXISTING	OVERHEAD TELEPHONE
UC	EXISTING	UNDERGROUND CABLE TV
UE	EXISTING	UNDERGROUND ELECTRIC
FL	EXISTING	UNDERGROUND FUEL SYSTEMS
G	EXISTING	UNDERGROUND NATURAL GAS
SA	EXISTING	UNDERGROUND SANITARY SEWER
SF	EXISTING	UNDERGROUND SANITARY FORCE MAIN
	EXISTING	UNDERGROUND STEAM TRANSMISSION
ST	EXISTING	UNDERGROUND STORM SEWER
UT	EXISTING	UNDERGROUND TELEPHONE
W	EXISTING	UNDERGROUND WATER SUPPLY
AB/UC	ABANDONED	UNDERGROUND CABLE TV
AB/UE	ABANDONED	UNDERGROUND ELECTRIC
AB/FL	ABANDONED	UNDERGROUND FUEL SYSTEMS
AB/G	ABANDONED	UNDERGROUND NATURAL GAS
AB/SA	ABANDONED	UNDERGROUND SANITARY SEWER
AB/SF	ABANDONED	UNDERGROUND SANITARY FORCE MAIN
AB/ST	ABANDONED	UNDERGROUND STORM SEWER
AB/UT	ABANDONED	UNDERGROUND TELEPHONE
AB/W	ABANDONED	UNDERGROUND WATER SUPPLY

DESIGN SYMBOL LEGEND

ANCHOR	SAN. MANHOLE	STRP. LEFT
BOLLARD	SHRUB DECIDUOUS	STRP. LEFT-THRU
ELEC. BOX	SHRUB EVERGREEN	STRP. ONLY
ELEC. GUY ANCHOR	SIGN POST	STRP. RIGHT
ELEC. GUY POLE	DOUBLE SIGN POST	STRP. RIGHT-THRU
ELEC. LIGHT POLE	SIGN DOUBLE POST	STRP. SCHOOL
ELEC. MANHOLE	DOUBLE SIGN & POST	STRP. STOP
ELEC. POWER POLE	STRM. CB REC.	STRP. THRU
ELEC. SPORT LIGHT	STRM. CB ROUND	TREE CONIFEROUS
GAS VALVE	STRM. CB SQUARE	TREE DECIDUOUS
FENCE GATE 1	STRM. CLEANOUT	WATER HYDRANT
FENCE GATE 2	STRM. END SECT.	WATER SHUT OFF
GEO. BORE HOLE	STRM. MANHOLE	WATER SAMPLE TAP
GEO. TEST PIT	STRP. ADA	WATER WELL
SAN. CLEANOUT	STRP. BIKE	WATER VALVE

DEMOLITION LEGEND

AREA DEMOLITION HATCH 1	OBJECT DEMOLITION "X"
AREA DEMOLITION HATCH 2	OBJECT DEMOLITION LINE
AREA DEMOLITION HATCH 3	

DESIGN LINETYPE LEGEND

Line label	Status	Description
	PROPOSED	PROJECT LIMIT LINE
	PROPOSED	ALIGNMENT CENTERLINE
	PROPOSED	DITCH
S	PROPOSED	SILTFENCE
	PROPOSED	EASEMENTS
x	PROPOSED	BARB WIRE FENCE
	PROPOSED	CHAIN LINK FENCE
	PROPOSED	DECORATIVE BLACK ALUMINUM FENCE
	PROPOSED	STONE WALL
	PROPOSED	PARCEL LINE
	PROPOSED	PARCEL SETBACK
	PROPOSED	RAILROAD TRACKS
	PROPOSED	ROADWAY GUIDERAIL
	PROPOSED	WATERBODY EDGE
	PROPOSED	WETLAND
OC	PROPOSED	OVERHEAD CABLE TV
OE	PROPOSED	OVERHEAD ELECTRIC
OT	PROPOSED	OVERHEAD TELEPHONE
UC	PROPOSED	UNDERGROUND CABLE TV
UE	PROPOSED	UNDERGROUND ELECTRIC
FL	PROPOSED	UNDERGROUND FUEL SYSTEMS
G	PROPOSED	UNDERGROUND NATURAG GAS
SA	PROPOSED	UNDERGROUND SANITARY SEWER
SF	PROPOSED	UNDERGROUND SANITARY FORCE MAIN
	PROPOSED	UNDERGROUND STEAM TRANSMISSION
ST	PROPOSED	UNDERGROUND STORM SEWER
UT	PROPOSED	UNDERGROUND TELEPHONE
W	PROPOSED	UNDERGROUND WATER SUPPLY

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Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number: R23.01309.00
Client Name: YORK COUNTY
Project Name: CORONER'S FACILITY - YCE PROJECT #20312
Project Address: 1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description
1	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

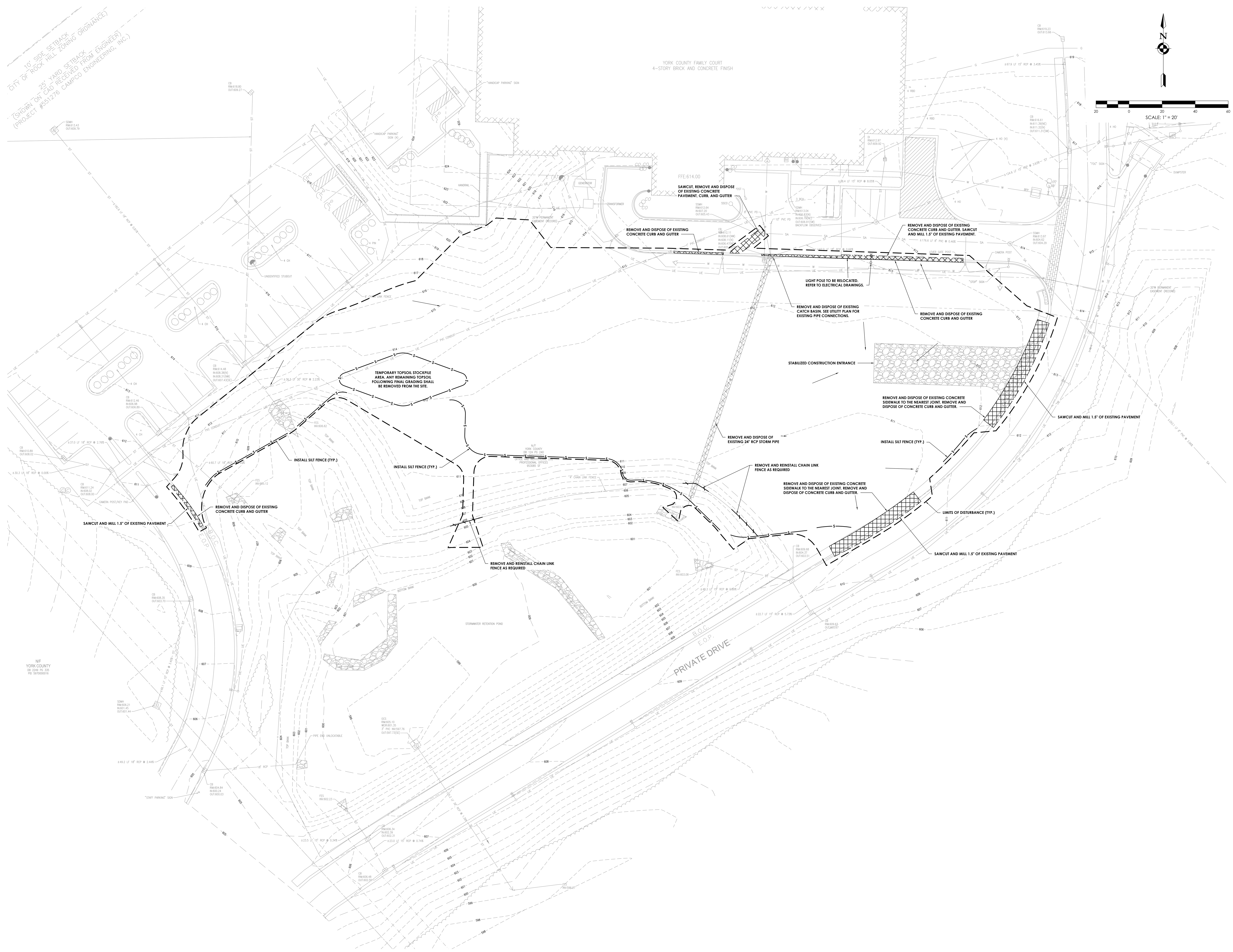
CPL Architects and Engineers, P.C. — Registered Architectural Corporation — 51301 — North Carolina — Charlotte, North Carolina

South Carolina Licensed Professional Engineer — Richard Burton Henry — No. 39_08
08/27/2024

SHEET INFORMATION

Issued: 12/20/2024
Scale: AS NOTED
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: JEN
Checked By: NCB
Drawing Title: GENERAL NOTES

Drawing Number
YCO
C001



YORK COUNTY FAMILY COURT
4-STORY BRICK AND CONCRETE FINISH
FFE:614.00
SAWCUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT, CURB, AND GUTTER
REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER
REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER. SAWCUT AND MILL 1.5" OF EXISTING PAVEMENT.
LIGHT POLE TO BE RELOCATED. REFER TO ELECTRICAL DRAWINGS.
REMOVE AND DISPOSE OF EXISTING CATCH BASIN. SEE UTILITY PLAN FOR EXISTING PIPE CONNECTIONS.
REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER
STABILIZED CONSTRUCTION ENTRANCE
TEMPORARY TOPSOIL STOCKPILE AREA. ANY REMAINING TOPSOIL FOLLOWING FINAL GRADING SHALL BE REMOVED FROM THE SITE.
REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK TO THE NEAREST JOINT. REMOVE AND DISPOSE OF CONCRETE CURB AND GUTTER.
SAWCUT AND MILL 1.5" OF EXISTING PAVEMENT
REMOVE AND DISPOSE OF EXISTING 24" RCP STORM PIPE
INSTALL SILT FENCE (TYP.)
INSTALL SILT FENCE (TYP.)
INSTALL SILT FENCE (TYP.)
REMOVE AND REINSTALL CHAIN LINK FENCE AS REQUIRED
REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK TO THE NEAREST JOINT. REMOVE AND DISPOSE OF CONCRETE CURB AND GUTTER.
LIMITS OF DISTURBANCE (TYP.)
SAWCUT AND MILL 1.5" OF EXISTING PAVEMENT
REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER
SAWCUT AND MILL 1.5" OF EXISTING PAVEMENT
REMOVE AND REINSTALL CHAIN LINK FENCE AS REQUIRED
STORMWATER RETENTION POND
PRIVATE DRIVE
N/F YORK COUNTY
SCALE: 1" = 20'

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PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

CPL Architects and Engineers, P.C. 51301 Charlotte, North Carolina

SOUTH CAROLINA ... RICHARD BURTON HENRY

08/27/2024

SHEET INFORMATION

Issued: 12/20/2024
Scale: 1" = 20'

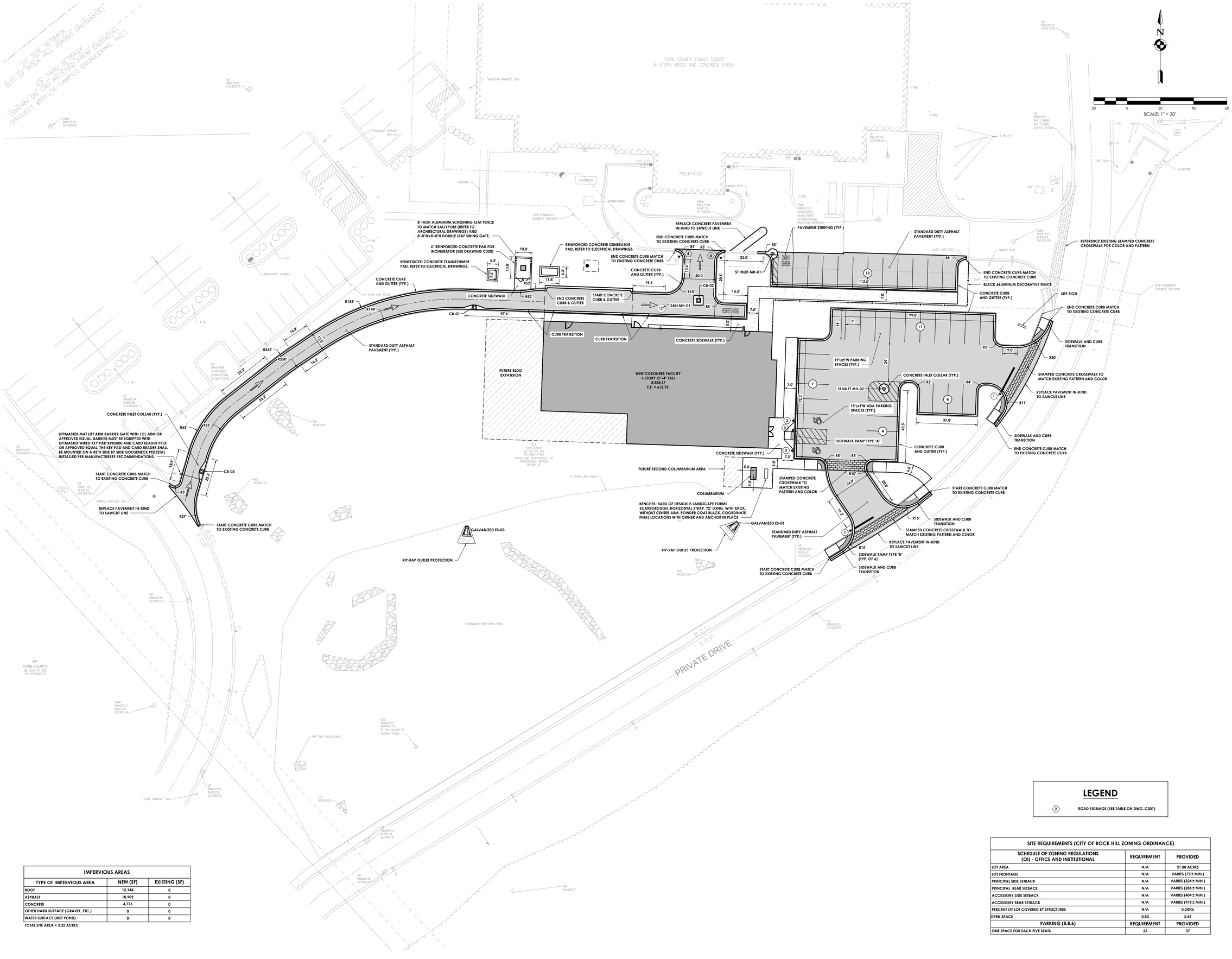
Project Status: 100% CONSTRUCTION DOCUMENTS

Drawn By: JEN
Checked By: NCB

Drawing Title
EXISTING CONDITIONS AND DEMOLITION PLAN

Drawing Number
YCO
C100

Sheet Size: 30x42
Plotted By: Nick Binnert
Date last plotted: 1/14/2025 5:37 PM
Date last accessed: 12/20/2024 11:46 AM



LEGEND

(2) ROAD SIGNAGE (SEE TABLE ON DWG. C301)

IMPERVIOUS AREAS		
TYPE OF IMPERVIOUS AREA	NEW (SF)	EXISTING (SF)
ROOF	12,144	0
ASPHALT	18,902	0
CONCRETE	4,776	0
OTHER HARD SURFACE (GRAVEL, ETC.)	0	0
WATER SURFACE (WET POND)	0	0
TOTAL SITE AREA = 3.32 ACRES		

SITE REQUIREMENTS (CITY OF ROCK HILL ZONING ORDINANCE)		
SCHEDULE OF ZONING REGULATIONS (OI) - OFFICE AND INSTITUTIONAL	REQUIREMENT	PROVIDED
LOT AREA	N/A	21.88 ACRES
LOT FRONTAGE	N/A	VARIES (75'± MIN.)
PRINCIPAL SIDE SETBACK	N/A	VARIES (324'± MIN.)
PRINCIPAL REAR SETBACK	N/A	VARIES (286'± MIN.)
ACCESSORY SIDE SETBACK	N/A	VARIES (404'± MIN.)
ACCESSORY REAR SETBACK	N/A	VARIES (975'± MIN.)
PERCENT OF LOT COVERED BY STRUCTURES	N/A	0.04%±
OPEN SPACE	0.50	2.49
PARKING (8.8.6)	REQUIREMENT	PROVIDED
ONE SPACE FOR EACH FIVE SEATS	25	37

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1	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

CPL Architects and Engineers, P.C. 51301 Charlotte, North Carolina

SOUTH CAROLINA PROFESSIONAL ENGINEER 35... RICHARD BURTON JR.

08/27/2024

SHEET INFORMATION

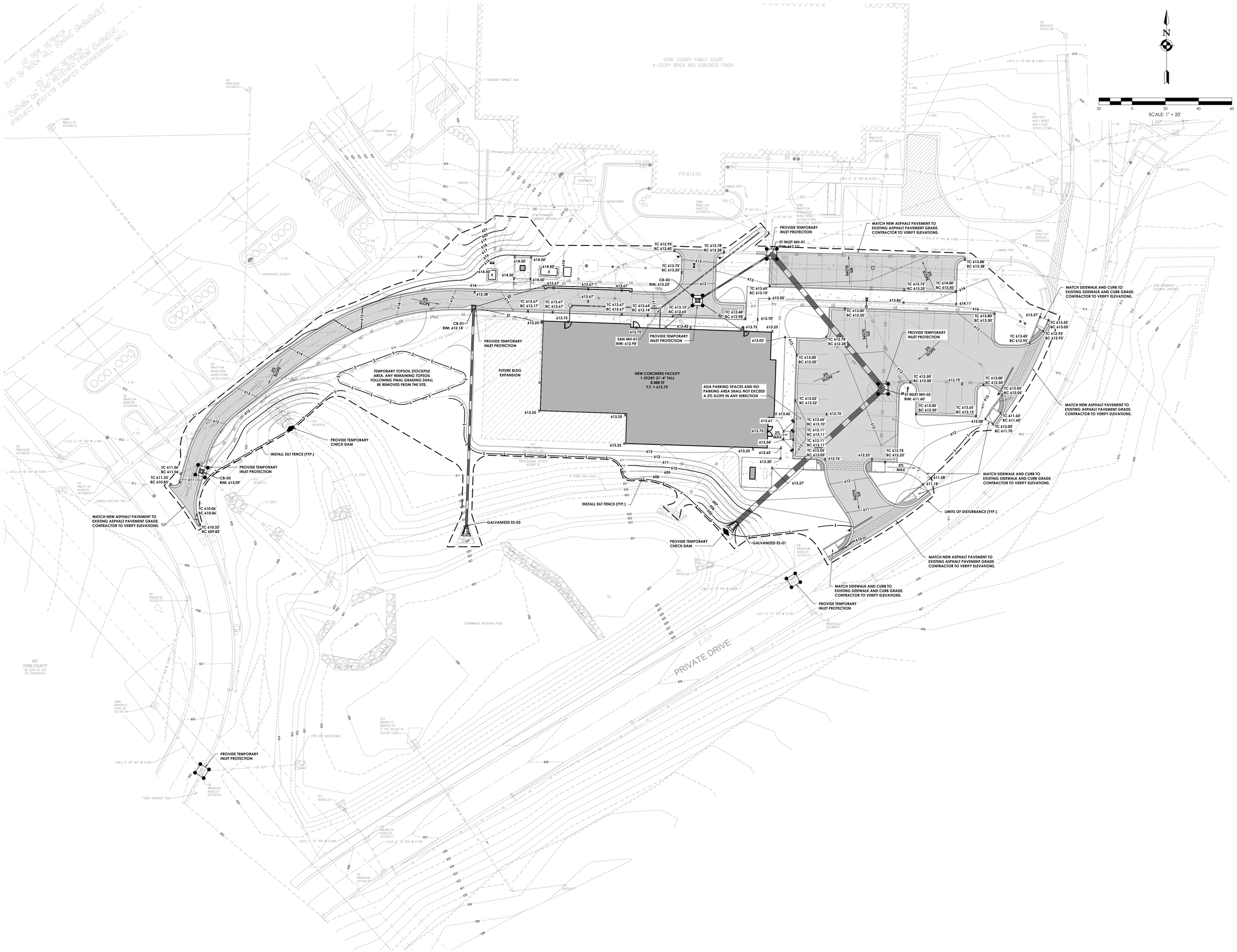
Issued	Scale
12/20/2024	1" = 20'

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
JEN	NCB

Drawing Title
SITE PLAN

Drawing Number
YCO C200



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51301
Charlotte, North Carolina

SOUTH CAROLINA
PROFESSIONAL ENGINEER
RICHARD BURTON HERR
08/27/2024

SHEET INFORMATION

Issued	Scale
12/20/2024	1" = 20'

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
JEN	NCB

Drawing Title
GRADING AND EROSION CONTROL PLAN

Drawing Number
YCO
C210

Sheet size: 30x42
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Date last accessed: 1/14/2025 3:27 PM
Date last plotted: 1/14/2025 5:41 PM
Plotted By: Nick Bennett

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Date last accessed: 1/14/2025 3:27 PM
Date last plotted: 1/14/2025 5:51 PM
Plotted By: Nick Brenert

CPL | Architecture Engineering Planning
6302 Fairview Road, Suite 102
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description
1	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

CPL Architects and Engineers, PC
51301
Charlotte, North Carolina

SOUTH CAROLINA
PROFESSIONAL ENGINEER
32579
RICHARD BURTON BRENNERT
08/27/2024

SHEET INFORMATION

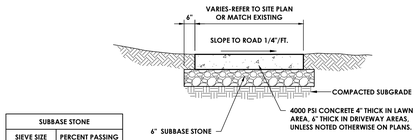
Issued	Scale
12/20/2024	1" = 20'

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
JEN	NCB

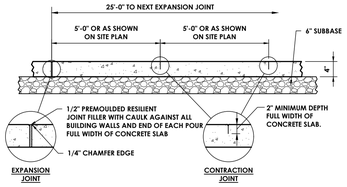
Drawing Title
UTILITY PLAN

Drawing Number
YCO
C220



SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10

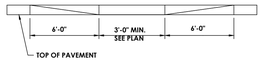
CROSS-SECTIONAL VIEW



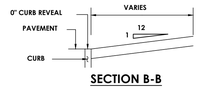
SIDE VIEW

TYPICAL CONCRETE SIDEWALK

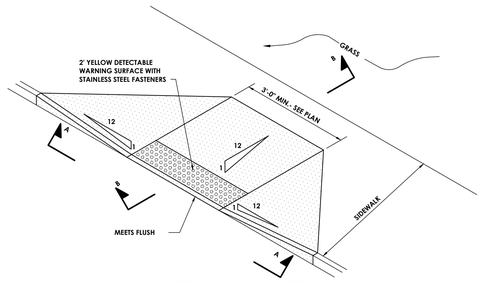
N.T.S.



SECTION A-A



SECTION B-B

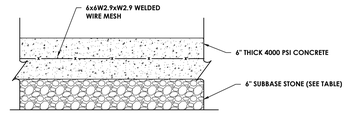


TYPE "A" RAMP ISOMETRIC

SIDEWALK RAMP TYPE "A"

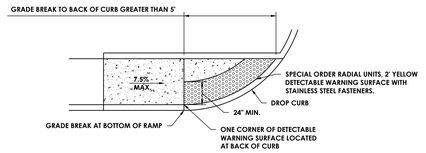
N.T.S.

SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10



6" REINFORCED CONCRETE PAD

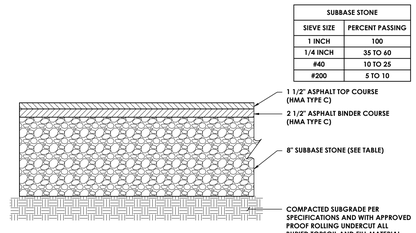
N.T.S.



SIDEWALK RAMP TYPE "B"

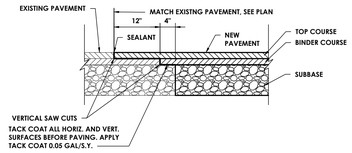
N.T.S.

SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10



ASPHALT PAVEMENT SECTION

N.T.S.



NOTES:

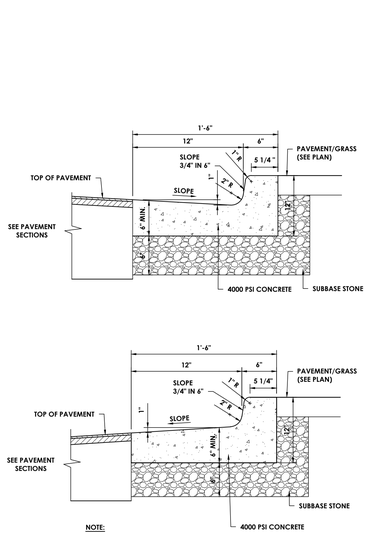
1. PAVEMENT COURSES TO MATCH EXISTING IN DEPTH FOR WIDTH OF SHEAR STEP AND SHALL TRANSITION TO THE APPROPRIATE ASPHALT COURSE DEPTHS AND TYPES AS SPECIFIED.
2. EXISTING PAVEMENT SHALL BE SAW CUT TO OBTAIN A STRAIGHT AND NEAT EDGE FOR PAVING. FINAL SAW CUT SHALL BE MADE PRIOR TO PAVING AND AFTER SUBBASE STONE IS PLACED.

STANDARD DUTY ASPHALT PAVEMENT JOINT

N.T.S.

TYPICAL ACCESSIBLE PARKING STRIPING

N.T.S.

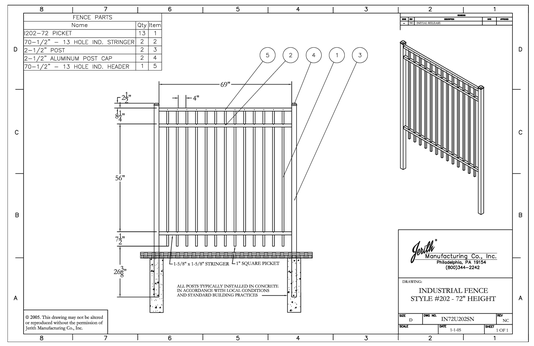


NOTE:

1. USE THE APPROPRIATE CURB ACCORDING TO DRAINAGE PATTERNS.

CONCRETE CURB AND GUTTER

N.T.S.



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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description
1	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

CPL Architects and Engineers, P.A. — Certificate of Authorization — Charlotte, North Carolina — 51301

SOUTH CAROLINA — Licensed Professional — 51301 — RICHARD BURTON HENRY

08/27/2024

SHEET INFORMATION

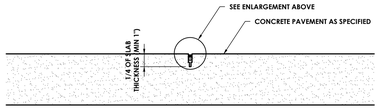
Issued	Scale
12/20/2024	AS NOTED

Project Status
100% CONSTRUCTION DOCUMENTS

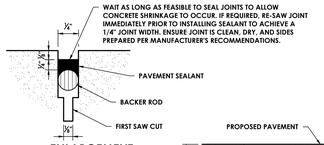
Drawn By	Checked By
JEN	NCB

Drawing Title
SITE DETAILS

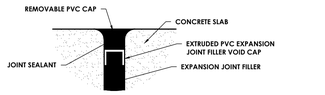
Drawing Number
YCO
C300



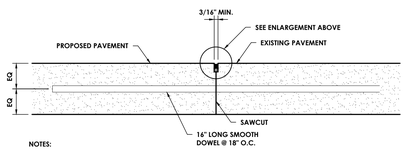
CONTRACTION/SAW JOINT



ENLARGEMENT



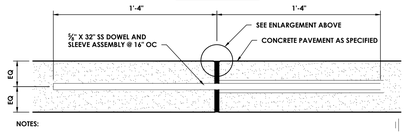
ENLARGEMENT



NOTES:

1. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
2. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.

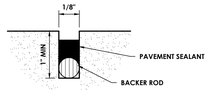
BUTT JOINT



NOTES:

1. EXPANSION JOINTS AND ISOLATION JOINTS SHALL BE LOCATED WHERE SHOWN ON THE LAYOUT PLAN.
2. ISOLATION JOINTS SHALL NOT INCLUDE THE DOWEL AND SLEEVE ASSEMBLY.
3. ISOLATION JOINTS SHALL BE PROVIDED WHERE THE CONCRETE PAVEMENT ABUTS A RIGID STRUCTURE.
4. EXPANSION AND ISOLATION JOINTS SHALL BE ½" WIDE AND FILLED WITH A RESILIENT PREMOLDED NON-EXTRUDING FIBER EXPANSION JOINT FILLER, RECESSED AND SEALED. RECESS FORMED WITH EXTRUDED PVC CAP WITH REMOVABLE TOP TO RECEIVE JOINT SEALANT. COLOR TO MATCH CONCRETE.

EXPANSION/ISOLATION JOINT



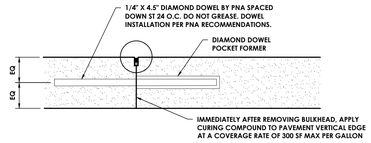
ENLARGEMENT

NOTES:

1. ENSURE JOINTS ARE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE JOINT SEALANT.
2. INSTALL CLOSED CELL BACKER ROD AFTER JOINTS HAVE BEEN CLEANED AND DRIED IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.
3. INSTALL BACKER ROD AT CONSISTENT AND UNIFORM DEPTH.
4. JOINT SEALANT APPLICATION SHALL BE IN STRICT COMPLIANCE WITH SEALANT MANUFACTURER'S REQUESTS.

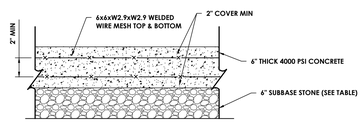
CONCRETE PAVEMENT JOINTS

N.T.S.



CONSTRUCTION JOINT

SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10



CONCRETE PAVEMENT SECTION

N.T.S.

SIGN TABLE

	SIGN	SIZE	LETTER	MUTCD #	BACKGROUND	LEGEND	DOT MOUNT NUM.	QUANTITY
①	STOP — STOP SIGN	30" X 30"	SEE MUTCD	R1-1	RED (RETROREFLECTIVE)	WHITE (RETROREFLECTIVE)		
②	NO PARKING ANY TIME — ANY TIME	18" X 24"	SEE MUTCD	R7-1	WHITE (RETROREFLECTIVE)	RED (RETROREFLECTIVE)		
③		12" X 18"	SEE MUTCD	R7-8	WHITE (RETROREFLECTIVE)	GREEN, BLUE (RETROREFLECTIVE)		
④	DO NOT ENTER — DO NOT ENTER	30" X 30"	SEE MUTCD	R5-1	WHITE (RETROREFLECTIVE)	WHITE (RETROREFLECTIVE)		

ROAD SIGN TABLE

N.T.S.

NOTE: (FOR 36" WIDE SIGNS AND GREATER)
1. 2 SIGN POSTS ARE REQUIRED
2. POSTS WILL BE CENTERED AND SPACED AT 20" C-C

TYPICAL SIGN POST

N.T.S.

CPL | Architecture Engineering Planning
6302 Fairview Road, Suite 102
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description

PROFESSIONAL STAMPS

CPL Architects and Engineers P.C. — Certificate of Authorization — 51301 — Charlotte, North Carolina

SOUTH CAROLINA PROFESSIONAL ENGINEER — 39408 — RICHARD BURTON HENRY

08/27/2024

SHEET INFORMATION

Issued	Scale
12/20/2024	AS NOTED

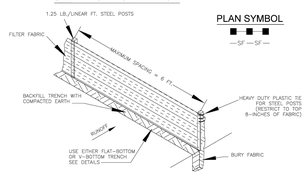
Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
JEN	NCB

Drawing Title
SITE DETAILS

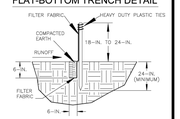
Drawing Number
YCO
C301

SILT FENCE INSTALLATION

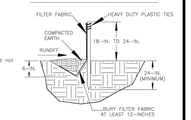


PLAN SYMBOL

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL

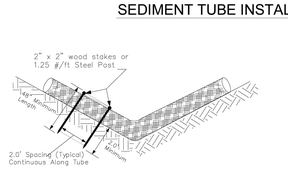


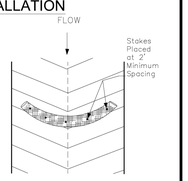
SILT FENCE – GENERAL NOTES

1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
2. Maximum sheet or overland flow path length to the silt fence shall be 100–feet.
3. Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
4. Silt fence joints, when necessary, shall be completed by one of the following options:
   - Wrap each fabric together at a support post with both ends fastened to the post, with a 1–foot minimum overlap.
   - Overlap fabric by installing 3–feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy–duty plastic ties; or,
   - Overlap entire width of each silt fence roll from one support post to the next support post.
5. Attach filter fabric to the steel posts using heavy–duty plastic ties that are evenly spaced within the top 8–inches of the fabric.
6. Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
7. Install Silt Fence Checks (Tie–Backs) every 50–100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

South Carolina Department of Health and Environmental Control		
SILT FENCE		
STANDARD DRAWING NO. SC–03	PAGE 1 of 2	
NOT TO SCALE	FEBRUARY 2014 DATE	

SEDIMENT TUBE INSTALLATION





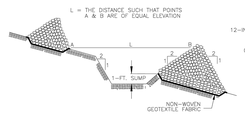
SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150–FEET
2%	100–FEET
3%	75–FEET
4%	50–FEET
5%	40–FEET
6%	30–FEET
GREATER THAN 6%	25–FEET

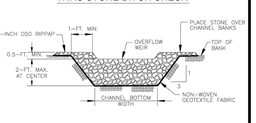
PLAN SYMBOL

South Carolina Department of Health and Environmental Control		
SEDIMENT TUBES		
STANDARD DRAWING NO. SC–05	PAGE 1 of 2	
NOT TO SCALE	FEBRUARY 2014 DATE	

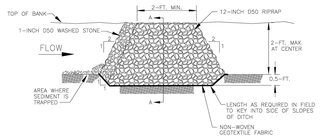
SPACING BETWEEN DITCH CHECK



CROSS SECTION A-A THRU STONE DITCH CHECK



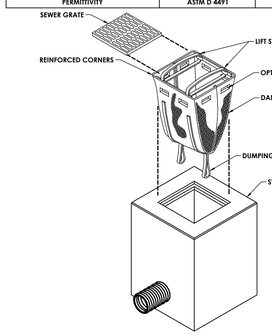
TYPICAL DITCH CHECK SECTION



PLAN SYMBOL

South Carolina Department of Health and Environmental Control		
ROCK DITCH CHECK		
STANDARD DRAWING NO. SC–04	PAGE 1 of 2	
NOT TO SCALE	FEBRUARY 2014 DATE	

REGULAR FLOW DANDY SACK™ (BLACK)			
MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	LBS	400 X 315
GRAB TENSILE ELONGATION	ASTM D 4632	%	15 X 15
PUNCTURE STRENGTH	ASTM D 4833	LBS	150
MULLEN BURST STRENGTH	ASTM D 3786	psi	800
TRAPEZOID TEAR STREGTH	ASTM D 4533	LBS	150 X 165
UV RESISTENCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	US STD SIEVE	40
FLOW RATE	ASTM D 4491	GAL/MIN/FT^2	70
PERMITTIVITY	ASTM D 4491	SEC^{-1}	0.90
HI-FLOW DANDY SACK™ (SAFETY ORANGE)			
MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARV
GRAB TENSILE STRENGTH	ASTM D 4632	LBS	365 X 200
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 X 10
PUNCTURE STRENGTH	ASTM D 4833	LBS	90
MULLEN BURST STRENGTH	ASTM D 3786	psi	450
TRAPEZOID TEAR STREGTH	ASTM D 4533	LBS	115 X 75
UV RESISTENCE	ASTM D 4355	%	90
APPARENT OPENING SIZE	ASTM D 4751	US STD SIEVE	40
FLOW RATE	ASTM D 4491	GAL/MIN/FT^2	145
PERMITTIVITY	ASTM D 4491	SEC^{-1}	2.10



* NOTE: ALL DANDY SACK™ CAN BE ORDERED WITH THE OPTIONAL OIL ABSORBANT PILLOWS

FILTER SACK INLET PROTECTION

N.T.S.

SILT FENCE – POST REQUIREMENTS

1. Silt Fence posts must be 48–inch long steel posts that meet, at a minimum, the following physical characteristics:
   - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
   - Include a standard "T" section with a nominal face width of 1.38–inches and a nominal "T" length of 1.48–inches.
   - Weigh 1.25 pounds per foot (± 8%)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17–square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
4. Install posts to a minimum of 24–inches. A minimum height of 1– to 2–inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
5. Post spacing shall be at a maximum of 6–feet on center.

SILT FENCE – FABRIC REQUIREMENTS

1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
   - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a stable network such that the filaments or yarns retain dimensional stability relative to each other.
   - Free of any treatment or coating which might adversely alter its physical properties after installation.
   - Free of any defects or flaws that significantly affect its physical and/or filtering properties.
   - Have a minimum width of 36–inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12–inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24–inches above the ground.

SILT FENCE – INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24–hours after each rainfall even that produces 1/2–inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie–backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

South Carolina Department of Health and Environmental Control		
SILT FENCE		
STANDARD DRAWING NO. SC–03	PAGE 2 of 2	
GENERAL NOTES	FEBRUARY 2014 DATE	

SEDIMENT TUBES – GENERAL NOTES

1. Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off–site discharge of sediment–laden stormwater runoff.
2. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch–filled sediment tubes are not permitted.
3. The outer netting of the sediment tube should consist of seamless, high–density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high–density polyethylene non–degradable material.
4. Sediment tubes, when used as checks within channels, should range between 18–inches and 24–inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
5. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
6. Sediment tubes should be staked using wooden stakes (2–inch X 2–inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48–inches in length placed on 2–foot centers.
7. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
8. The ends of adjacent sediment tubes should be overlapped 6–inches to prevent flow and sediment from passing through the field joint.
9. Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
10. Each sediment tube should be installed in a trench with a depth equal to 1/3 the diameter of the sediment tube.
11. Sediment tubes should continue up the side slopes a minimum of 1–foot above the design flow depth of the channel.
12. Install stakes at a diagonal facing incoming runoff.

SEDIMENT TUBES – INSPECTION & MAINTENANCE

1. The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of sediment tubes shall be conducted once every calendar week and, as recommended, within 24–hours after each rainfall even that produces 1/2–inch or more of precipitation.
3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Large debris, trash, and leaves should be removed from in front of tubes when found.
7. If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
8. Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

South Carolina Department of Health and Environmental Control		
SEDIMENT TUBES		
STANDARD DRAWING NO. SC–05	PAGE 2 of 2	
GENERAL NOTES	FEBRUARY 2014 DATE	

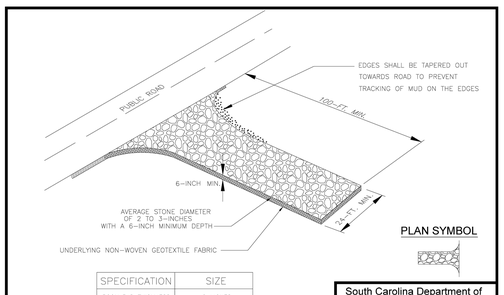
ROCK DITCH CHECK – GENERAL NOTES

1. Rock Ditch Checks should not be placed in Waters of the State or USGS blue–line streams (unless approved by Federal Authorities).
2. Rock Ditch Checks should be installed in steeply sloped channels where adequate vegetation cannot be established. This BMP measure should only be used in small open channels.
3. A non–woven geotextile fabric shall be installed over the soil surface where the rock ditch check is to be placed.
4. The body of the rock ditch check shall be composed of 12–inch D50 Riprap. The upstream face may be composed of 1–inch D50 washed stone.
5. Rock Ditch Checks should not exceed a height of 2–feet at the centerline of the channel.
6. Rock Ditch Checks should have a minimum top flow length of 2–feet.
7. Riprap should be placed over channel banks to prevent water from cutting around the ditch check.
8. The riprap should be placed by hand or mechanical placement (no dumping of rock to form dam) to achieve complete coverage of the channel. Doing so will also ensure that the center of the check is lower than the edges.
9. The maximum spacing between the dams should be such that the toe of the upstream check is at the same elevation as the top of the downstream check.

ROCK DITCH CHECK – INSPECTION & MAINTENANCE

1. The key to functional rock ditch check is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of rock ditch checks shall be conducted once every calendar week and, as recommended, within 24–hours after each rainfall even that produces 1/2–inch or more of precipitation.
3. Attention to sediment accumulations in front of the rock ditch check is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the rock ditch check.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Inspect Rock Ditch Checks' edges for erosion and evidence of runoff bypassing the installed check. If evident repair promptly as necessary to prevent erosion and bypassing.
7. In the case of cross–lined ditches, channels, and swales, rock ditch checks should be removed when the grass has matured sufficiently to protect the ditch or swale unless the slope of the swale is greater than 4%.
8. After construction is completed and final stabilization is reached, the entirety of the rock ditch check should be removed if vegetation will be used for permanent erosion control measures. The area beneath the removed rock ditch check must be addressed with permanent stabilization measures.

South Carolina Department of Health and Environmental Control		
ROCK DITCH CHECK		
STANDARD DRAWING NO. SC–04	PAGE 2 of 2	
GENERAL NOTES	FEBRUARY 2014 DATE	

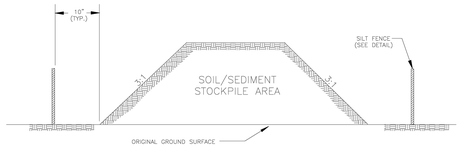


PLAN SYMBOL

SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2–3 INCHES

South Carolina Department of Health and Environmental Control		
CONSTRUCTION ENTRANCE		
STANDARD DRAWING NO. SC–06	PAGE 1 of 2	
NOT TO SCALE	FEBRUARY 2014 DATE	

TEMPORARY STOCKPILE AREA



NOTES:

1. SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON/NEAR A SLOP THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN–GRADIENT AREA.
2. IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
3. SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
4. THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control		
TEMPORARY STOCKPILE		
STANDARD DRAWING NO. SC–15	PAGE 1 of 1	
NOT TO SCALE	FEBRUARY 2014 DATE	

CONSTRUCTION ENTRANCE – GENERAL NOTES

1. Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
2. Install a non–woven geotextile fabric prior to placing any stone.
3. Install a culvert pipe across the entrance when needed to provide positive drainage.
4. The entrance shall consist of 2–inch to 3–inch 050 stone placed at a minimum depth of 6–inches.
5. Minimum dimensions of the entrance shall be 24–feet wide by 100–feet long, and may be modified as necessary to accommodate site constraints.
6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
8. Limestone may not be used for the stone pad.

CONSTR. ENTRANCE – INSPECTION & MAINTENANCE

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24–hours after each rainfall even that produces 1/2–inch or more of precipitation.
3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
4. Reshape the stone pad as necessary for drainage and runoff control.
5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off–site by vehicles. Frequent washing will extend the useful life of stone pad.
6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
7. During maintenance activities, any broken pavement should be repaired immediately.
8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post–construction.

South Carolina Department of Health and Environmental Control		
CONSTRUCTION ENTRANCE		
STANDARD DRAWING NO. SC–06	PAGE 2 of 2	
GENERAL NOTES	FEBRUARY 2014 DATE	

Permanent Seeding - Upstate

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahia Grass (Alone)	40												
Bahia Grass (Mix)	30												
Bermuda Grass (hulled) (Alone)	8-12												
Bermuda Grass (hulled) (Mix)	4-6												
Fescue, Tall (KY31) Alone	40												
Fescue, Tall (KY31) mix	20												
Sericea Lespedeza (Scarified) Alone or Mix (inoculate with EL Innoculant	40												
Ladino Clover (mix only) Innoculate with AB Innoculant	2												
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												
Crownvetch (Mix) (Inoculate with Type M Innoculant	8-10												

Temporary Seeding - Upstate

Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop Millet (Alone)	40												
Browntop Millet (Mix)	10												
Rye Grain (Alone)	56												
Rye Grain (Mix)	10												
Rye Grass (Alone)	50												
Rye Grass (Mix)	8												
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												

PROFILE OF FACILITY

ISOMETRIC VIEW OF FACILITY

BALE PROFILE

SIGN

CONCRETE TRUCK WASHOUT

N.T.S.

PLAN VIEW

do = PIPE DIA. (SEE PLANS)
La = APRON LENGTH
W = APRON WIDTH (CENTERED ON PIPE)
D = APRON DEPTH

SECTION A-A

MIRAFI 370x FILTER FABRIC

ISOMETRIC VIEW

RIP RAP SIZING CHART

PIPE DIA.	W1 - MINIMUM	W2 - MINIMUM	La - MINIMUM	D - MINIMUM
12"	3'	11'	10'	13.5"
18"	4.5'	11.5'	10'	13.5"
24"	6'	12'	10'	13.5"
30"	7.5'	12.5'	10'	13.5"
36"	9'	13'	10'	13.5"

NOTES:
1. d = 1.5 TIMES THE MAXIMUM STONE BUT NO LESS THAN 6".
2. INSTALL FILTER MIRAFI 370x OR APPROVED EQUAL FILTER FABRIC BETWEEN RIP-RAP AND SUBGRADE.

RIP-RAP OUTLET PROTECTION DETAIL

N.T.S.

CPL | Architecture Engineering Planning
6302 Fairview Road, Suite 102
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description

PROFESSIONAL STAMPS

CPL Architects and Engineers, P.C. Certificate of Authorization No. C-2780 Charlotte, North Carolina

51301 REGISTERED PROFESSIONAL ENGINEER SOUTH CAROLINA RICHARD BURTON HERRIN

08/27/2024

SHEET INFORMATION

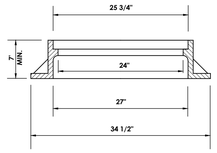
Issued	Scale
12/20/2024	AS NOTED

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
JEN	NCB

Drawing Title
SEDIMENT AND EROSION CONTROL DETAILS

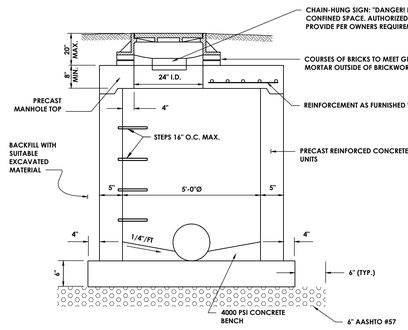
Drawing Number
YCO C302



NOTES:

1. MANHOLE STEPS ARE REQUIRED FOR ANY STRUCTURE DEEPER THAN 4 FT.
2. MANHOLE TOP SLABS, FRAMES AND COVERS SHALL BE DESIGNED FOR USE UNDER ANY H - 20 LOADING.
3. MANHOLE FRAME AND GRATE/COVER TO BE: INLET M.H.: NEENAH MODEL R-2555 OR APPROVED EQUAL. SOLID M.H.: NEENAH MODEL R-1642 TYPE F OR APPROVED EQUAL.

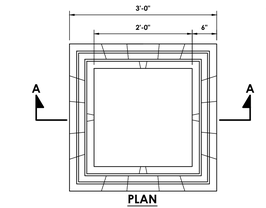
MANHOLE FRAME



MANHOLE SECTION

STORM SEWER MANHOLE

N.T.S.

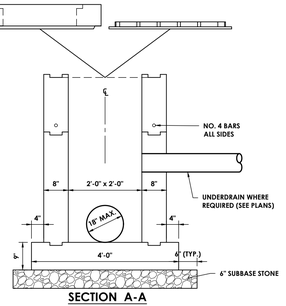


PLAN

NOTES:

1. FRAME AND GRATE PROVIDE NEENAH R4832B, HS-20-44 LOADING GRATE OR EQUAL.
2. REINFORCEMENT SHALL HAVE A COVER OF 2" UNLESS OTHERWISE SHOWN.
3. ALL CONCRETE FOR CATCH BASINS SHALL BE 4000 PSI CAST-IN-PLACE CONCRETE OR PRECAST CONCRETE.
4. FILL WITH CEMENT MORTAR AND SEAL WITH ASPHALT EMULSION TACK COAT BETWEEN FRAME AND CURB.
5. DESIGN LOADING: AASHTO H-20
6. THE INTERIOR AND EXTERIOR OF CATCH BASIN SHALL BE COATED WITH TWO COATS OF KOPPERS SUPER SERVICE BLACK OR APPROVED EQUAL.
7. WATER TIGHT GROUT ALL CONNECTIONS. USE NON-SHRINK GROUT.

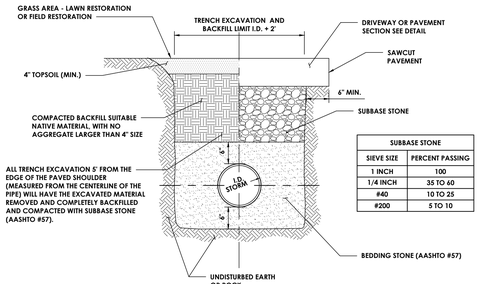
SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10



SECTION A-A

2'x2' CATCH BASIN

N.T.S.



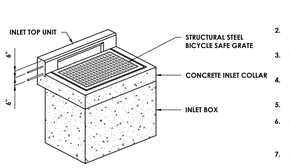
SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10

NOTES:

1. CONTRACTOR TO PROVIDE SAFE EXCAVATION; SLOPE TRENCH WALLS, USE TRENCH BOX, OR SHEETING & BRACING PER OSHA SPECIFICATIONS. TRENCH BOX OR SHEETING AND BRACING TO BE LIFTED ABOVE THE SPRING LINE OR PIPE BEFORE BACKFILLING ABOVE SPRING LINE.
2. PAVEMENT BACKFILL AND RESTORATION REQUIREMENTS SHALL APPLY TO WORK PERFORMED UNDER PROPOSED ROADWAYS.
3. ALL WORK FOR STORM SEWER TRENCHING SHALL BE INCLUDED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO TRENCHING, EXCAVATION AND ALL BACKFILL. NO ADDITIONAL PAYMENTS WILL BE MADE FOR BACKFILL.

STORM SEWER TRENCH

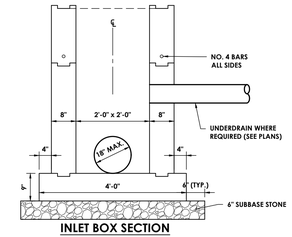
N.T.S.



NOTES:

1. FRAME AND GRATE PROVIDE NEENAH R4832B, HS-20-44 LOADING GRATE OR EQUAL.
2. REINFORCEMENT SHALL HAVE A COVER OF 2" UNLESS OTHERWISE SHOWN.
3. ALL CONCRETE FOR CATCH BASINS SHALL BE 4000 PSI CAST-IN-PLACE CONCRETE OR PRECAST CONCRETE.
4. FILL WITH CEMENT MORTAR AND SEAL WITH ASPHALT EMULSION TACK COAT BETWEEN FRAME AND CURB.
5. DESIGN LOADING: AASHTO H-20
6. THE INTERIOR AND EXTERIOR OF CATCH BASIN SHALL BE COATED WITH TWO COATS OF KOPPERS SUPER SERVICE BLACK OR APPROVED EQUAL.
7. WATER TIGHT GROUT ALL CONNECTIONS. USE NON-SHRINK GROUT.
8. DOWEL INLET TOP UNITS WITH (2) No 8 x 1'-0" DOWEL BARS AND PLACE 2" PREMOLDED EXPANSION JOINT FILLER WHEN CONNECTING TO ADJACENT CURB SECTIONS.

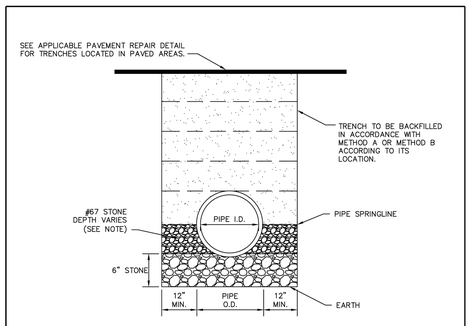
SUBBASE STONE	
SIEVE SIZE	PERCENT PASSING
1 INCH	100
1/4 INCH	35 TO 60
#40	10 TO 25
#200	5 TO 10



INLET BOX SECTION

CURB INLET STRUCTURE

N.T.S.



NOTES

1. FOR PIPES UP TO 12 INCHES IN DIAMETER, #67 STONE BEDDING SHALL EXTEND FROM THE PIPE TO THE TRENCH WALL OR TWO AND A HALF TIMES THE PIPE DIAMETER (O.D.) ON EACH SIDE OF THE PIPE, WHICHEVER IS LESS.
2. TRENCH SIDE SLOPES AND SHORING REQUIRED IN ACCORDANCE WITH OSHA REQUIREMENTS.
3. 6" STONE BEDDING BELOW PIPE TO BE USED WHERE ROCK IS BLASTED.
4. BACKFILLING OF TRENCHES SHALL BE IMMEDIATELY AFTER PIPE IS LAID. COMPACTION REQUIREMENTS SHALL BE ATTAINED BY USE OF MECHANICAL TAMPS ONLY.
5. UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UN-BACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED.

METHOD A – IN PUBLIC R/W (EXISTING AND KNOWN), PAVED WALKWAYS, DRIVEWAYS, PARKING LOTS, ETC. SELECT BACKFILL MATERIAL TO BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 95% AASHTO DENSITY.

METHOD B – IN UNDEVELOPED AREAS SELECT BACKFILL MATERIAL TO BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 85% AASHTO DENSITY.

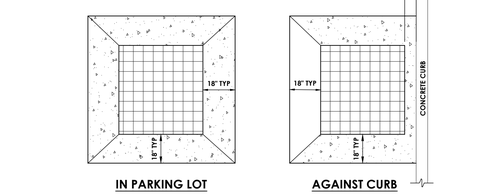
CITY OF ROCK HILL
UTILITIES DEPARTMENT
757 S. ANDERSON ROAD
ROCK HILL, SC 29730

ROCK HILL SOUTH CAROLINA Always Yes

STANDARD DETAIL

TRENCH DETAIL FOR PVC SEWER PIPE

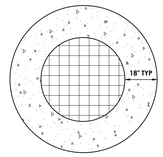
REVISIONS:	DATE:	FILE NAME
	FEB. 2018	13.02
	SCALE: N.T.S.	



IN PARKING LOT

AGAINST CURB

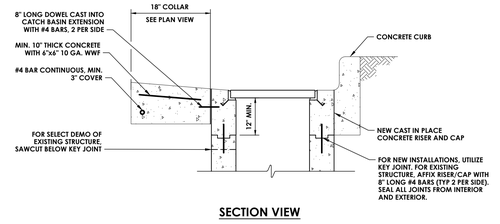
PLAN VIEW



PLAN VIEW

SEWER CLEAN-OUT

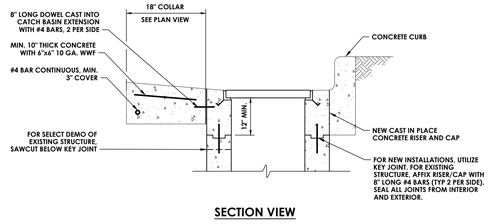
N.T.S.



SECTION VIEW

CONCRETE INLET COLLAR (CB)

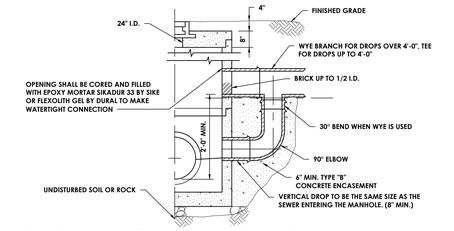
N.T.S.



SECTION VIEW

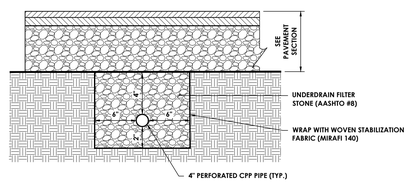
CONCRETE INLET COLLAR (MH)

N.T.S.



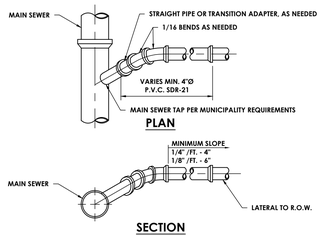
EXISTING SANITARY MANHOLE WITH OUTSIDE DROP CONNECTION

N.T.S.



PAVEMENT UNDERDRAIN SECTION

N.T.S.



WYE BRANCH CONNECTION

N.T.S.

CPL | Architecture Engineering Planning
6302 Fairview Road, Suite 102
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description

PROFESSIONAL STAMPS

CPL Architects and Engineers P.C. 51301 Professional Engineering Corporation North Carolina Charlotte, North Carolina

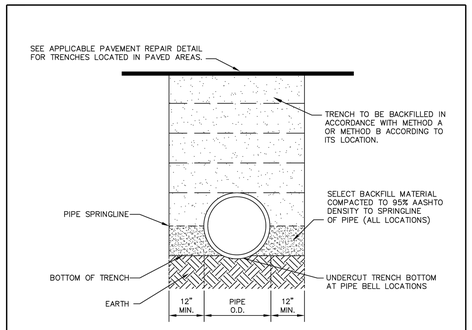
SOUTH CAROLINA PROFESSIONAL ENGINEER 35904 RICHARD BURTON HERRIOTT
08/27/2024

SHEET INFORMATION

Issued	Scale
12/20/2024	AS NOTED
Project Status	
100% CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
JEN	NCB

Drawing Title
SEWER DETAILS

Drawing Number
YCO C303



NOTES

1. TRENCH SIDE SLOPES AND SHORING REQUIRED IN ACCORDANCE WITH OSHA REQUIREMENTS.
2. 6" STONE BEDDING BELOW PIPE TO BE USED WHERE ROCK IS BLASTED.
3. BACKFILLING OF TRENCHES SHALL BE IMMEDIATELY AFTER PIPE IS LAID. COMPACTION REQUIREMENTS SHALL BE ATTAINED BY USE OF MECHANICAL TAMPS ONLY.
4. UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UN-BACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED.

METHOD A – IN PUBLIC R/W (EXISTING AND KNOWN), PAVED WALKWAYS, DRIVEWAYS, PARKING LOTS, ETC. SELECT BACKFILL MATERIAL TO BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 95% AASHTO DENSITY.

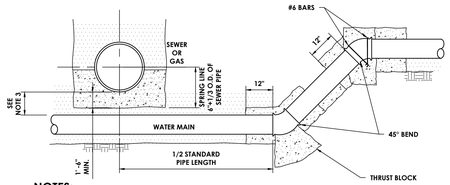
METHOD B – IN UNDEVELOPED AREAS SELECT BACKFILL MATERIAL TO BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 85% AASHTO DENSITY.

CITY OF ROCK HILL
UTILITIES DEPARTMENT
757 S. ANDERSON ROAD
ROCK HILL, SC 29730

STANDARD DETAIL

TRENCH DETAIL FOR WATER PIPE

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	13.01
	SCALE: N.T.S.	

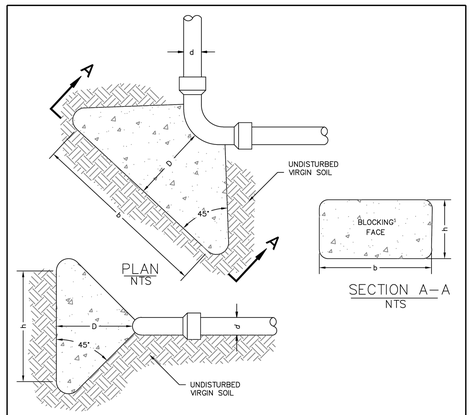


NOTES:

1. ONE STANDARD FULL LENGTH OF WATER MAIN (10 FEET MINIMUM) SHALL BE CENTERED UNDER THE SEWER/GAS PIPE SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER/GAS PIPE AS POSSIBLE.
2. THRUST RESTRAINT SHALL BE PROVIDED AT ALL BENDS.
3. THERE SHALL BE 18" MINIMUM VERTICAL SEPARATION BETWEEN SEWER AND WATER MAINS.
4. THERE SHALL BE 24" MINIMUM VERTICAL SEPARATION BETWEEN GAS AND WATER MAINS AND SHALL CONSIST OF SAND OR SELECT FILL.
5. WARNING TAPE, IN ACCORDANCE WITH A.P.W.A. UNIFORM COLOR CODE SHALL BE PLACED ABOVE UTILITY 12" BELOW GROUND, FOR A DISTANCE OF 25 FEET ON EITHER SIDE OF CROSSING.
6. WHERE THE WATER MAIN PASSES UNDER A SEWER PIPE, THERE SHALL BE A 6" MINIMUM OF CONCRETE BEDDING FOR THE SEWER PIPE.
7. WATER MAIN SHALL BE WRAPPED IN A POLYETHYLENE TUBE, WHICH MEETS ANSI/AWWA C105, FOR A DISTANCE OF 50 FEET ON EITHER SIDE OF THE PIPELINE CROSSING.
8. DUCTILE IRON WATER PIPE SHALL INCLUDE NITRILE GASKETS WITHIN 50 FEET OF THE PIPELINE CROSSING OR ANY WHERE WITHIN 25 FEET OF HORIZONTAL OFFSET LOCATIONS.
9. SEWER LINE CROSSING SPECIFICS MUST ALSO BE OBSERVED WHEN CROSSING GAS LINES.

SEWER/GAS/WATER MAIN CROSSING & RELOCATION

N.T.S.



NOTES:

1) CONTRACTOR MUST PROVIDE BLOCKING SUITABLE FOR SOIL CONDITIONS ENCOUNTERED. SOIL BEARING CAPACITY WAS ASSUMED TO BE 1500 PSF FOR THE TABLE BELOW. ALL ELBOWS, TEES, HYDRANTS, AND PIPE SIZE CHANGES MUST HAVE BLOCKING. ELBOW WAS USED FOR ILLUSTRATION ONLY.
2) STEEL REINFORCEMENT FOR BLOCKING TO BE AS DESIGNED BY ENGINEER OF RECORD.
3) BLOCKING TO BE PLACED ON UNDISTURBED SOIL.
4) PIPES GREATER THAN 16", TO HAVE RESTRAINED JOINTS TO BLOCKING TO BE DESIGNED BY ENGINEER.

BLOCKING DIMENSIONS			
d	D	b	h
16"	5'–0"	7'–10"	4'–0"
12"	5'–0"	4'–6"	4'–0"
8"	5'–0"	3'–0"	2'–8"
6"	5'–0"	2'–3"	2'–0"
4" & SMALLER	2'–6"	2'–0"	2'–0"

CITY OF ROCK HILL
UTILITIES DEPARTMENT
757 S. ANDERSON ROAD
ROCK HILL, SC 29730

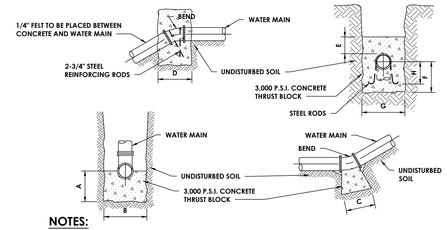
STANDARD DETAIL

THRUST BLOCKING

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	13.11
	SCALE: N.T.S.	

BEND	Min. Volume of Concrete For Block dimensions D,E,F,G	MINIMUM ALLOWABLE DIMENSION FOR VERTICAL THRUST BLOCKS (IN FEET)							
		A	B	C	D	E	F	G	ROD LENGTH H
4" 11 1/4°	.2 Cu. Yd.	1.0	2.5	1.0	2.0	0.5	1.0	2.0	0.5
22 1/2°	.4 Cu. Yd.	1.0	2.5	1.5	2.0	1.0	2.0	2.0	1.5
45°	.8 Cu. Yd.	1.5	2.5	1.5	2.5	1.5	2.0	2.5	1.5
90°	1.5 Cu. Yd.	1.5	2.5	2.0	4.0	1.5	2.0	3.0	1.5
8" 11 1/4°	.35 Cu. Yd.	1.0	2.5	1.5	2.0	1.0	1.5	2.0	1.0
22 1/2°	.7 Cu. Yd.	1.5	2.5	1.5	2.5	1.0	2.0	2.5	1.5
45°	1.4 Cu. Yd.	1.5	2.5	2.0	4.0	1.5	2.0	3.0	1.5
90°	2.6 Cu. Yd.	2.0	2.5	2.0	4.0	2.0	3.0	3.5	2.5
12" 11 1/4°	.8 Cu. Yd.	1.5	3.0	1.5	2.5	1.5	2.0	2.5	1.5
22 1/2°	1.6 Cu. Yd.	1.5	3.0	2.0	4.0	2.0	2.0	3.0	1.5
45°	3.2 Cu. Yd.	2.0	3.0	2.0	5.0	2.0	3.0	3.5	2.5
90°	6.0 Cu. Yd.	2.0	3.0	2.5	5.5	2.5	3.5	3.5	3.0
16" 11 1/4°	2.6 Cu. Yd.	2.0	3.5	4.5	4.1	1.0	2.5	2.0	3.0
22 1/2°	6.8 Cu. Yd.	2.5	3.5	4.5	5.7	1.0	3.5	2.5	4.0
45°	10.0 Cu. Yd.	3.5	3.5	6.0	7.8	1.5	3.5	3.0	4.0
90°	12.0 Cu. Yd.	3.0	3.5	6.0	8.0	2.0	3.5	3.5	4.0

NOTE: THE DEVELOPER MAY ELECT TO USE REINFORCING RODS AS OPPOSED TO CONCRETE THRUST BLOCKS FOR VERTICAL BENDS. ALL THRUST RESTRAINT BY ROD SHALL BE APPROVED BY THE WATER SYSTEM OPERATOR PRIOR TO INSTALLATION.



NOTES:

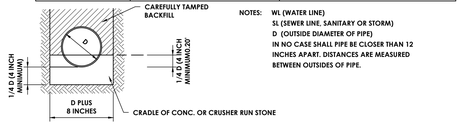
1. NO CONCRETE IS TO ENCOMPASS ANY BOLTS OR BELL ENDS WHERE POSSIBLE.
2. DIP FITTINGS SHALL BE WRAPPED WITH 2 MIL THICK POLYETHYLENE, 2 FEET BEYOND FITTING ON PVC PIPE.
3. GRIP RING PIPE RESTRAINER SHALL BE USED AT ALL FITTING TO PVC PIPE CONNECTIONS.

VERTICAL THRUST BLOCK

N.T.S.

WATER LINE-SEWER LINE CROSSING PROVISIONS

SITUATION	SCHEMATIC	REQUIREMENTS
I WATER LINE ABOVE SEWER LINE		
II WATER LINE ABOVE SEWER LINE		A) WATER LINE AND SEWER LINE SHALL BE ONE FULL LENGTH CENTERED AT CROSSING, WHEN POSSIBLE. B) WHEN BOTH WATER LINE AND SEWER LINE ARE NEW, SLEEVE SEWER LINE WITH STEEL CASING FOR FULL LENGTH OF PIPE AT CROSSING. --OR-- CONCRETE ENCASEMENT AS ORDERED BY ENGINEER OR REGULATORY AGENCY
III SEWER LINE ABOVE WATER LINE		A) WATER LINE AND SEWER LINE SHALL BE ONE FULL LENGTH CENTERED AT CROSSING, WHEN POSSIBLE. B) CONCRETE ENCASEMENT AS ORDERED BY ENGINEER OR REGULATORY AGENCY C) PROVIDE CRADLE OF CONCRETE OR CRUSHER RUN STONE (SEE SANITARY SEWER/WATER MAIN CROSSING DETAIL THIS SHEET) FOR WATER LINE AND SEWER LINE FOR ENTIRE LENGTH OF PIPE EACH SIDE OF CROSSING.



NOTES: WL (WATER LINE)
SL (SEWER LINE, SANITARY OR STORM)
D (OUTSIDE DIAMETER OF PIPE)
IN NO CASE SHALL PIPE BE CLOSER THAN 12 INCHES APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE.

NOTES

1. DETAIL IS APPLICABLE FOR 4", 6" AND 8" VALVES. (4" SHOWN)
2. CONCRETE MIX AND STRUCTURAL DESIGN IN ACCORDANCE WITH ACI 318, FOR DESIGN LOADS AS REQUIRED BY ASTM C890.
3. MATERIALS AND MANUFACTURE IN ACCORDANCE WITH ASTM C913.
4. CONCRETE TOP SLAB DESIGNED FOR 300 PSF LIVE LOAD (OUTSIDE ROAD R/W & TRAFFIC AREAS) HS-20 LOAD REQUIRED IF SUBJECT TO TRAFFIC LOADS OR WITHIN ROAD R/W.
5. STRUCTURE TO BE SET LEVEL ON CRUSHED STONE/GRAVEL BED IN AREA WITH 10-FT HORIZONTAL AND VERTICAL CLEARANCE IN ALL DIRECTIONS.
6. PRECAST JOINT SECTIONS TO BE SEALED USING BUTYL RUBBER SEALANT.
7. EXTERIOR SLABS TO HAVE BROOM FINISH, ALL OTHER TO HAVE THE STANDARD FORM FINISH.
8. ALL PIPES AND FITTINGS TO BE MINIMUM CLASS 350 DIP CONFORMING TO ANSI/AWWA C110.
9. ALL PIPES/WALL PENETRATIONS TO BE SEALED WITH ASTM C923 FLEXIBLE CONNECTORS.
10. ALUMINUM ACCESS TO HATCH TO BE MINIMUM 150 PSF LOAD RATED WITH STAINLESS STEEL FASTENERS AND HINGES AND CENTERED IN TOP SLAB, DESIGNED FOR HS-20 LOADING IF SUBJECT TO TRAFFIC OR WITHIN ROAD R/W.
11. A POSITIVE DRAIN IS REQUIRED FROM THE BOTTOM OF THE VAULT TO THE DAYLIGHT/STORM DRAINAGE. BACKFLOW PREVENTION DEVICE TO MEET APPLICABLE BUILDING AND FIRE PREVENTION CODES.
12. THE FDC SHALL BE LOCATED ON THE ADDRESS SIDE OF THE BUILDING WHENEVER POSSIBLE.
13. ALL PIPING AND APPURTENANCES ARE TO BE IN ACCORDANCE WITH NFPA 13, STANDARDS FOR THE INSTALLATION OF SPRINKLER SYSTEMS.

CITY OF ROCK HILL
UTILITIES DEPARTMENT
757 S. ANDERSON ROAD
ROCK HILL, SC 29730

STANDARD DETAIL

BACKFLOW PREVENTER & UNDERGROUND VAULT INSTALLATION WITH OPTIONAL FDC

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	12.13
	SCALE: N.T.S.	

NOTES

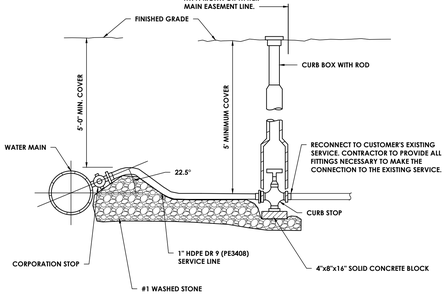
1. CONTRACTOR TO INSTALL 2" CDR A02-1730-18 METER BOX & COVER OR APPROVED EQUAL.
2. METER SETTER FOR 2" SERVICE SHALL BE MCDONALD 724-2079W0Q33 OR APPROVED EQUAL.
3. MUELLER SYSTEMS MODEL MVR160 2-INCH TURBINE METER, 17-INCH LAYING LENGTH TO BE INSTALLED BY CITY.
4. CONTRACTOR TO INSTALL A MINIMUM OF 18" OF PIPING FROM ANY HARD SURFACE (I.E. CURB, SIDEWALK, ETC.) TO BOX INLET.
5. FOR NEW CONNECTION, 2" GATE VALVE IS TO BE LOCATED OUTSIDE PAVEMENT UNITS.
6. FOR SERVICE PIPING CROSSING UNDER ROADWAY PAVEMENT (I.E. LONG SIDE SERVICE), PIPING IS TO BE PLACED WITH A MINIMUM OF 24" COVER FROM LIP OF GUTTER TO LIP OF GUTTER.

CITY OF ROCK HILL
UTILITIES DEPARTMENT
757 S. ANDERSON ROAD
ROCK HILL, SC 29730

STANDARD DETAIL

SERVICE CONNECTION 2"

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	11.03
	SCALE: N.T.S.	



NOTES:

1. FOR SERVICES 1 1/2" AND LARGER, USE BRASS 22 1/2° BEND WITH COMPRESSION COUPLING TO SERVICE LINE.
2. NO CURB BOXES SHALL BE LOCATED IN DITCHES OR DRAINAGE SWALES.
3. ALL SERVICE TAPS LARGER THAN 1" ON DUCTILE IRON PIPE WATER MAINS SHALL UTILIZE SERVICE SADDLES. ALL SERVICE TAPS ON PVC OR HDPE WATER MAINS SHALL UTILIZE SERVICE SADDLES, REGARDLESS OF SIZE.
4. STAINLESS STEEL INSERTS SHALL BE USED AT ALL HDPE CONNECTIONS.
5. FOR INSTALLATIONS ON 2-INCH TO 4-INCH HDPE WATER MAIN, INSTALL ELECTROFUSION TRANSITION SADDLES WITH BRASS OUTLET AND 1" CC THREADS. INSTALL WITH CLAMP PER MANUFACTURER RECOMMENDATIONS.

TYPICAL WATER SERVICE

N.T.S.

SANITARY SEWER/WATER MAIN CROSSING

N.T.S.

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Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description
1	10/31/2024	PER CITY OF ROCK HILL COMMENTS

PROFESSIONAL STAMPS

CPL Architects and Engineers, P.C. — Certificate of Authorization — Charlotte, North Carolina

SOUTH CAROLINA — Professional Engineer — 39408 — RICHARD BURTON HOWE — 08/27/2024

SHEET INFORMATION

Issued	Scale
12/20/2024	AS NOTED

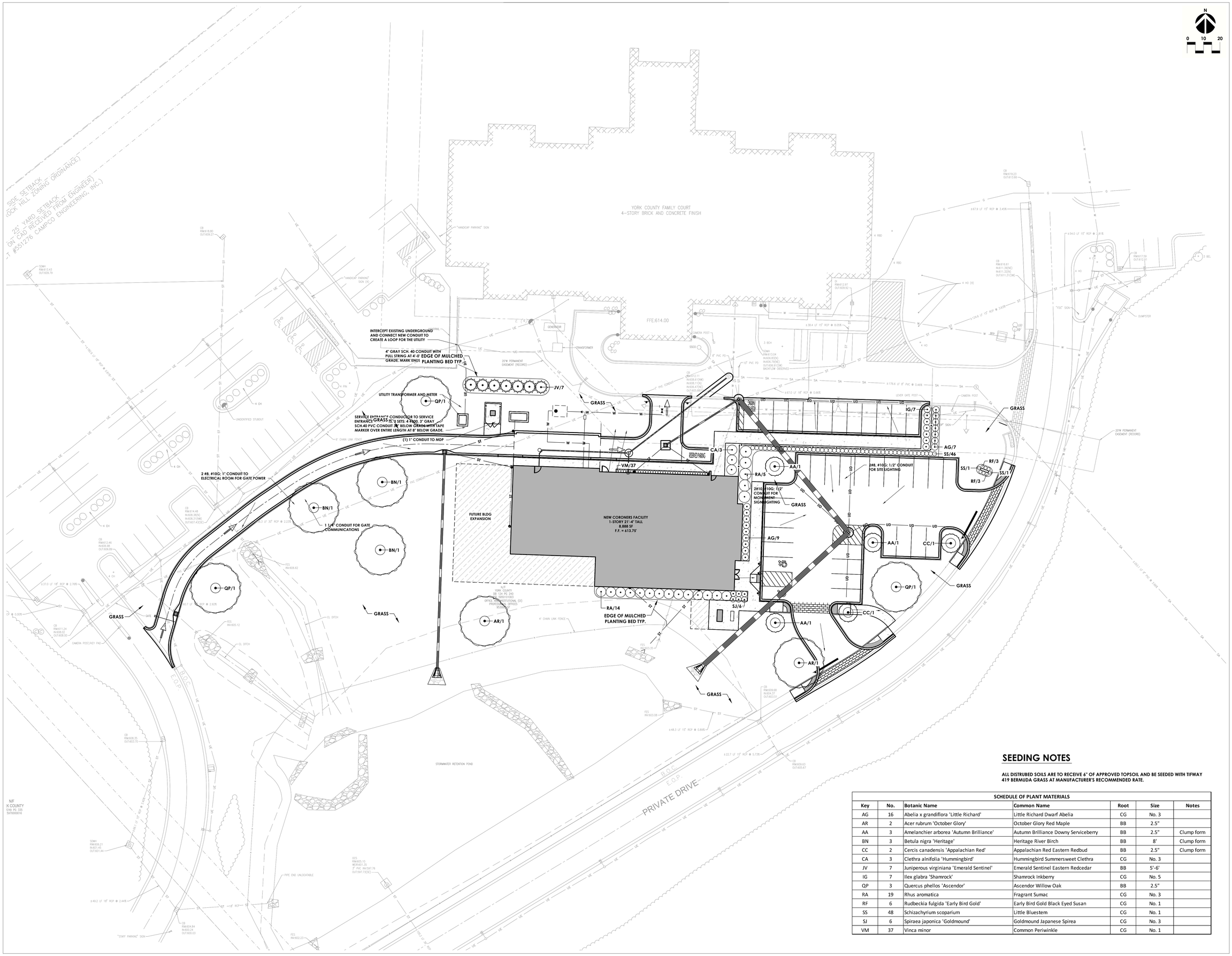
Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
JEN	NCB

Drawing Title
WATER MAIN DETAILS

Drawing Number
YCO C304

Plotted By: Nick Bennett
Plot Date/Time: 1/14/2025 5:35 PM
Date last accessed: 1/14/2025 5:27 PM
Sheet Size: 30x42
Drawing Name: C:\Users\rbennett.DCVACCD\ccs\CPL\R23.01309.00_rock_Co SC_New Coroner Facility\Project Files\02_Design\01_Civil\CAD\02_Design\YCO_R23.01309.00_C000_01_c.dwg



SEEDING NOTES

ALL DISTRUBED SOILS ARE TO RECEIVE 6" OF APPROVED TOPSOIL AND BE SEEDED WITH TIFWAY 419 BERMUDA GRASS AT MANUFACTURER'S RECOMMENDED RATE.

SCHEDULE OF PLANT MATERIALS

Key	No.	Botanic Name	Common Name	Root	Size	Notes
AG	16	Abelia x grandiflora 'Little Richard'	Little Richard Dwarf Abelia	CG	No. 3	
AR	2	Acer rubrum 'October Glory'	October Glory Red Maple	BB	2.5"	
AA	3	Amelanchier arborea 'Autumn Brilliance'	Autumn Brilliance Downy Serviceberry	BB	2.5"	Clump form
BN	3	Betula nigra 'Heritage'	Heritage River Birch	BB	8'	Clump form
CC	2	Cercis canadensis 'Appalachian Red'	Appalachian Red Eastern Redbud	BB	2.5"	Clump form
CA	3	Clethra alnifolia 'Hummingbird'	Hummingbird Summersweet Clethra	CG	No. 3	
JV	7	Juniperous virginiana 'Emerald Sentinel'	Emerald Sentinel Eastern Redcedar	BB	5'-6'	
IG	7	Ilex glabra 'Shamrock'	Shamrock Inkberry	CG	No. 5	
QP	3	Quercus phellos 'Ascendor'	Ascendor Willow Oak	BB	2.5"	
RA	19	Rhus aromatica	Fragrant Sumac	CG	No. 3	
RF	6	Rudbeckia fulgida 'Early Bird Gold'	Early Bird Gold Black Eyed Susan	CG	No. 1	
SS	48	Schizachyrium scoparium	Little Bluestem	CG	No. 1	
SJ	6	Spiraea japonica 'Goldmound'	Goldmound Japanese Spirea	CG	No. 3	
VM	37	Vinca minor	Common Periwinkle	CG	No. 1	

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Charlotte, NC 28210
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York County South Carolina

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description

PROFESSIONAL STAMPS

CPL Architects and Engineers, P.C. 51301 Charlotte, North Carolina

SOUTH CAROLINA PROFESSIONAL ENGINEER 39408 RICHARD BURTON HOWE 08/27/2024

SHEET INFORMATION

Issued	Scale
12/20/2024	1"=20'
Project Status	
100% CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
RHW	NCB

Drawing Title
LANDSCAPE PLAN

Drawing Number
YCO
L100

Sheet size: 30x42
Drawing Name: C:\Users\rbrinnert.DCI.ACCD\ccs\CPL\R23.01309.00_rock_Co SC_New Coroner Facility\Project Files\02_Design\01_Civil\CAD\02_Design\YCO_R23.01309.00_C200_LAND_c.dwg
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Date last plotted: 1/14/2025 5:44 PM
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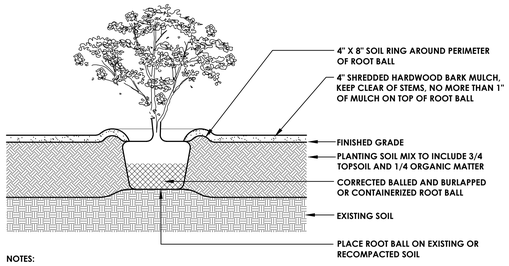


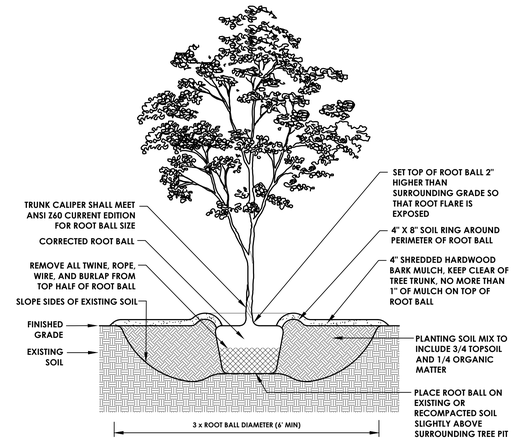
NOTES:

1. DO NOT HEAVILY PRUNE SHRUBS AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

2. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN PLANTING HOLE HAS BEEN BACKFILLED POUR WATER AROUND THE ROOT MASS TO SETTLE THE SOIL.

3. ROOT BALLS OF BOTH CONTAINERIZED AND BALLED AND BURLAPPED PLANTS SHALL BE CORRECTED PRIOR TO PLANTING PER THE ROOT BALL CORRECTION DETAILS.

SHRUB
N.T.S



NOTES:

1. DO NOT HEAVILY PRUNE TREES AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

2. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE TREE. DO NOT OVER COMPACT. WHEN PLANTING HOLE HAS BEEN BACKFILLED POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL.

3. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

4. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

5. MARK THE NORTH SIDE OF THE TREE AT THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.

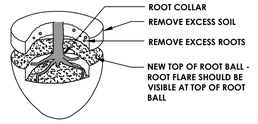
6. ROOT BALLS SHALL BE CORRECTED PRIOR TO PLANTING PER THE ROOT BALL CORRECTION DETAILS.

7. WHERE TREES ARE TO BE INSTALLED IN AREAS OF FORMER PAVEMENT, A 20' X 20' AREA (AT EACH TREE) IS TO BE PREPARED PER THE DETAIL "SURFACE PREPARATION FOR TREES AND SHRUBS IN PAVED AREAS" PRIOR TO INSTALLING THE TREE PIT PER THIS DETAIL.

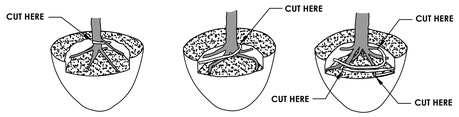
8. WHERE TREES ARE TO BE INSTALLED IN AREAS THAT WERE NEVER PAVED, THE TREE IS TO BE INSTALLED PER THIS DETAIL WITH NO ADDITIONAL SURFACE PREPARATION REQUIRED.

TREE PIT
N.T.S

STEP 1 - REMOVE SOIL AND ROOTS OVER THE ROOT COLLAR



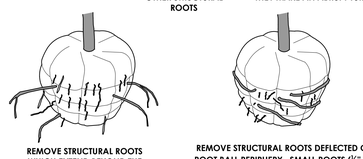
STEP 2 - REMOVE DEFECTS



REMOVE STRUCTURAL ROOTS WHICH WRAP THE ROOT COLLAR

REMOVE STRUCTURAL ROOTS WHICH ARE GROWING OVER OTHER STRUCTURAL ROOTS

REMOVE STRUCTURAL ROOTS WHICH WRAP THE ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN



REMOVE STRUCTURAL ROOTS WHICH EXTEND BEYOND THE ROOT BALL

REMOVE STRUCTURAL ROOTS DEFLECTED ON ROOT BALL PERIPHERY. SMALL ROOTS (¼" OR LESS) AT THE PERIPHERY OF THE ROOT BALL ARE NOT DEFINED AS DEFECTS AND DO NOT NEED TO BE REMOVED.

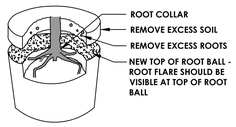
NOTES:

1. ALL TREES ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.

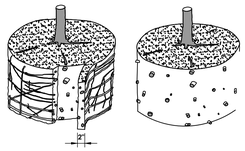
2. ADJUST HOLE DEPTH TO ACCOUNT FOR THE REMOVAL OF EXCESS SOIL AND ROOTS OVER THE COLLAR AND ACHIEVE APPROPRIATE ELEVATION OF ROOT FLARE.

ROOT CORRECTION FOR BALLED AND BURLAPPED PLANTS
N.T.S

REMOVE SOIL AND ROOTS ABOVE ROOT COLLAR



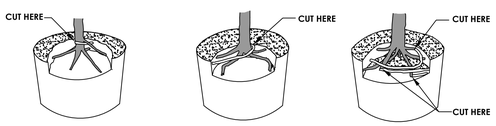
SHAVE ROOT BALL



SHAVE PERIMETER OF ROOT BALL A MAXIMUM OF 2" THICK TO REMOVE ALL ROOTS GROWING ON THE PERIPHERY

ROOT TIPS EXPOSED AT PERIPHERY OF ROOT BALL - ALL ROOTS GROWING AROUND PERIPHERY ARE REMOVED

REMOVE DEFECTS



REMOVE STRUCTURAL ROOTS WHICH WRAP THE ROOT COLLAR AND/OR ARE GROWING OVER OTHER STRUCTURAL ROOTS BY CUTTING THEM (PARALLEL TO THE TRUNK) JUST BEFORE THEY MAKE AN ABRUPT TURN

NOTES:

1. ALL PLANTS ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.

2. SMALL ROOTS (¼" OR LESS) ON THE PERIPHERY OF THE ROOT BALL ARE COMMON WITH CONTAINER PLANT PRODUCTION. THESE SMALL ROOTS ARE NOT DEFINED AS DEFECTS BUT SHOULD BE ADDRESSED AT THE TIME OF INSTALLATION.

3. SHAVING TO BE DONE USING A SHARP BLADE OR HAND SAW ELIMINATING NO MORE THAN NEEDED TO REMOVE ALL ROOTS ON THE PERIPHERY OF THE ROOT BALL.

4. SHAVING CAN BE PERFORMED JUST PRIOR TO PLANTING OR AFTER PLACING THE ROOT BALL IN THE HOLE.

ROOT CORRECTION FOR CONTAINER PLANTS
N.T.S

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York County South Carolina

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

No.	Date	Description

PROFESSIONAL STAMPS

CPL Architects and Engineers P.C. — 51301 — Charlotte, North Carolina

SOUTH CAROLINA — PROFESSIONAL ENGINEER — RICHARD BURTON HERR — 08/27/2024

SHEET INFORMATION

Issued	Scale
12/20/2024	AS NOTED

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
RHW	NCB

Drawing Title
LANDSCAPE DETAILS

Drawing Number
YCO
L600

Sheet size: 30x42
Drawing Name: C:\Users\rbanner\DC\ACCDocs\CPL\R23.01309.00_York, Co SC_New Coroner Facility\Project Files\02_Design\01_Civil\Cad\02_Design\YCO_R23.01309.00_C200_LAND_c.dwg
Date last accessed: 12/20/2024 11:46 AM
Date last plotted: 1/14/2025 5:45 PM
Plotted By: Nick Banner

GENERAL NOTES

1.0 THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS AND MATERIALS INDICATED ON THE DRAWINGS AND FOR THE LIVE LOADS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING, AND SHORING, ETC.

1.1 COORDINATE THESE DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS.

1.2 THE CONTRACTOR SHALL REFER TO THE ARCHITECURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS OR OPENINGS, ETC. NOT HEREIN INDICATED.

1.3 THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ELEVATORS WITH EQUIPMENT MANUFACTURER. THIS INCLUDES ANY EMBEDDED ITEMS FOR GUIDE RAIL SUPPORTS, EDGE OF SLAB DIMENSIONS FOR CLEAR HOISTWAY, HOIST BEAMS, AND OTHER ITEMS REQUIRED FOR COMPLETE INSTALLATION OF ELEVATORS.

1.4 THE CONTRACTOR SHALL SUBMIT FOR REVIEW, DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STRUCTURAL ENGINEER IN THE STATE OF NORTH CAROLINA FOR THE METAL STAIRS AND RAILINGS. REVIEW SHALL BE FOR GENERAL CONFORMANCE TO LOCAL BUILDING CODES, DESIGN PARAMETERS LISTED IN THE GENERAL NOTES AND GEOMETRY DESIGNATED IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING EMBEDS AND HARDWARE AS REQUIRED BY THE STAIR DESIGN.

1.5 SLAB OPENINGS SMALLER THAN 10" AND NOT INDICATED ON PLAN SHALL BE CORE DRILLED IN FIELD U.N.O. SEE MECHANICAL, ELECTRICAL AND PLUBMING DRAWINGS FOR LOCATIONS OF THESE OPENINGS.

1.6 WORK NOT INCLUDED ON THE DRAWINGS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES ELSEWHERE ON THE DRAWINGS SHALL BE REPEATED.

1.7 IN CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.

1.8 SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY AND DRYWALL NON-LOAD BEARING PARTITIONS. PROVIDE COMPRESSIBLE FIRESAFING AT TOP OF WALL AS REQUIRED.

2.0 FOUNDATION NOTES

2.1 GEOTECHNICAL INFORMATION FOR THIS PROJECT WAS TAKEN FROM THE GEOTECHNICAL SUBSURFACE INVESTIGATION, DATED DEC. 21, 2022 BY ESP ASSOCIATES, INC. PROJECT NO. E4-KW23.300

2.2 SEE THE SPECIFICATION REQUIREMENTS FOR EXCAVATION AND PREPARATION OF THE FOUNDATION AND SLAB ON GRADE SUBGRADE INCLUDING COMPACTION PROCEDURES.

2.3 EXCAVATIONS FOR FOOTINGS SHALL HAVE THE SIDES AND BOTTOM TEMPORARILY LINED WITH 6 MIL POLYETHYLENE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF THE EXCAVATION OF THE FOOTING.

2.4 FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION WHICH DIFFER FROM THOSE DESCRIBED IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE GENERAL CONTRACTOR BEFORE FURTHER CONSTRUCTION IS ATTEMPTED. SEE PROJECT SPECIFICATIONS. ALL BASEMENT WALLS UNLESS NOTED ARE DESIGNED AS LATERALLY SUPPORTED AT THE TOP. THEREFORE, THE 1ST FLOOR FRAME AND SLAB SHALL BE INSTALLED BEFORE BACKFILLING WALLS. ALSO, THE BASEMENT SLAB ON GRADE SHALL BE INSTALLED BEFORE BACKFILL AT PERIMETER BUILDING BASEMENT WALLS.

2.5 NO FOOTINGS OR SLABS SHALL BE POURED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST, ICE OR LOOSE MATERIAL.

2.6 SEE PLUMBING, ELECTRICAL & CIVIL DRAWINGS FOR REQUIRED UNDERSLAB UTILITIES.

2.7 SEE SPECIFICATIONS FOR ALL WATERPROOFING DETAILS AND MATERIALS AS REQUIRED.

2.8 IF UNDERMINING OF FOOTING OCCURS, FILL VOIDS WITH 2500 PSI CONCRETE. DO NOT ATTEMPT TO REPLACE AND RECOMPACT SOIL.

3.0 CONCRETE

3.1 CONCRETE SHALL HAVE THE UNIT WEIGHT AND THE MINIMUM COMPRESSIVE STRENGTHS (f'c) AT 28 DAYS AS SHOWN ON THE CONCRETE MATERIALS SCHEDULE. (DWG S003) SEE SPECIFICATIONS FOR FURTHER INFORMATION.

3.2 ENTRAIN AIR TO PRODUCE TOTAL AIR CONTENT ACCORDING TO THE SPECIFICATIONS. FOR CONCRETE EXPOSED TO FREEZING TEMPERATURES (EXTERIOR FOOTINGS, SLAB TURNDOWNS, EXTERIOR SLABS AND SLABS-ON-GRADE, EXTERIOR RETAINING WALLS, AND EXTERIOR GRADE BEAMS.)

3.3 GROUT FOR BASE PLATES SHALL BE NON-SHRINKABLE GROUT AND SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 PSI, U.N.O.

3.4 NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.

3.5 MIXING, TRANSPORTING AND PLACING OF CONCRETE SHALL CONFORM TO ACI-301.

3.6 ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR STRUCTURAL CONCRETE", ACI 301, AND CONTRACT SPECIFICATIONS. WHEN THERE IS A CONFLICT BETWEEN ACI AND SPECIFICATIONS, THE MORE STRINGENT SHALL GOVERN.

3.7 CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH ¾" X 45 DEGREE CHAMFER U.N.O.

3.8 CONCRETE REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60 U.N.O. REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT, UNLESS INDICATED ON THE CONTRACT DOCUMENTS. ALL LAP SPLICES SHALL BE CLASS "B" U.N.O.

3.9 HORIZONTAL FOOTING AND HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED WITH A CLASS B TENSION SPLICE AT CORNERS AND INTERSECTIONS. TOP BAR CRITERIA SHALL APPLY IF 12" OR MORE OF FRESH CONCRETE IS PLACED BELOW BAR.

3.10 SLABS-ON-GRADE SHALL HAVE CONSTRUCTION JOINTS OR CRACK CONTROL JOINTS AS SHOWN ON THE DRAWINGS. CONSTRUCTION JOINTS CAN BE USED AT CONTROL JOINT LOCATIONS AT CONTRACTORS OPTION. SEE SLAB PLANS & JOINT DETAILS FOR ADDITIONAL INFORMATION.

3.11 SEE SPECIFICATIONS FOR ALL WATERPROOFING/DAMPROOFING DETAILS.

3.12 ALL WELDED WIRE FABRIC SHALL CONFORM TO THE STANDARDS OF ASTM A-185. SUPPLY IN FLAT SHEETS.

3.13 ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE", ACI 301, AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315, LATEST EDITION.

3.14 SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING AND PLACEMENT SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.

3.15 ALL WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY.

3.16 ALL DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING, U.N.O. ON DRAWINGS.

3.17 ADDITIONAL BARS SHALL BE PROVIDED AROUND ALL FLOOR AND WALL OPENINGS AS SHOWN ON THE DRAWINGS.

3.18 SEE ARCHITECTURAL DRAWINGS FOR TYPE AND LOCATION OF ALL FLOOR FINISHES.

3.19 THE CONTRACTOR SHALL COORDINATE ADDITIONAL WALL/SLAB OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS. SEE MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS.

3.20 U.N.O., ALL CURBS SHALL BE REINFORCED WITH AT LEAST 1 #4 CONTINUOUS AND #4 AT 12" O.C. DOWELS TO STRUCTURE BELOW.

3.21 THE SUB-CONTRACTOR SHALL VERIFY ALL OPENINGS, PAD SIZES, AND ANCHOR BOLTS WITH EQUIPMENT SELECTED.

3.22 FOR ALL WALLS & PIERS, PROVIDE DOWELS INTO FOOTING AT EACH VERT. REINF. BAR, U.N.O. DOWEL SIZE SHALL BE SAME AS VERT. REINF.

3.23 ALL DEFORMED BAR ANCHORS SHALL BE TRS NELSON DIVISION OR EQUAL ½" DIA. U.N.O. CONFORMING TO ASTM A-496 WITH A MINIMUM TENSILE STRENGTH OF 80,000 PSI. ANCHOR DIMENSIONS SHALL BE IN ACCORDANCE WITH ASTM D-19. INSTALL ANCHORS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BY AUTOMATIC END WELDING AS INDICATED ON THE DRAWINGS. NO UNAUTHORIZED OR FIELD WELDING SHALL BE MADE WITHOUT AUTHORIZATION FROM THE MANUFACTURER.

3.24 ALL REINFORCING INDICATED TO BE WELDED SHALL BE IN ACCORDANCE WITH ASTM A706, "LOW ALLOY STEEL DEFORMED BARS FOR CONCRETE REINFORCEMENT". ANY INSTALLATIONS USING MANUFACTURER'S EQUIPMENT SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

3.25 WELDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH AWS D1.4

3.26 PROVIDED CONCRETE POUR STOPS OR FORM AS REQUIRED FOR INSTALLATION OF ALL CONCRETE WORK.

3.27 PROVIDE ADDITIONAL 2-#4 x 4'-0" REINFORCING BARS IN SLAB-ON-GRADE AT ALL RE-ENTRANT CORNERS. PLACE BARS AT MID-DEPTH OF SLAB WITH A CLEARANCE OF 2" FROM CORNER U.N.O.

3.28 CONSTRUCTION TOLERANCES FOR CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 117, "SPECIFICATIONS FOR TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS AND COMMENTARY" FOR CIP CONCRETE.

4.0 NOT USED

5.0 STEEL DECK

5.1 STEEL DECK SHALL BE ASTM A446 HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI AS PER THE STEEL DECK INSTITUTE DESIGN MANUAL.

5.2 STEEL DECK SHALL BE ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND ERECTION LAYOUTS AND CONNECTED TO SUPPORTING MEMBERS AS INDICATED BELOW.

5.3 ROOF DECK

5.3.1 STEEL ROOF DECK SHALL BE 1 ½", 22 GAGE GALVANIZED (UNPAINTED) WIDE RIB (S.D.I. TYPE WR 22) U.N.O. ONLY FOR UNTOPPED ROOF DECKS AT TOP STAIR/SHAFTS AND CANOPIES.

5.3.2 ROOF DECK SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

	22 GAGE
MOMENT OF INERTIA, Ip	0.155 IN^4/FT WIDTH
MOMENT OF INERTIA, In	0.183 IN^4/FT WIDTH
SECTION MODULUS (TOP OF DECK), Sn	0.192 IN^3/FT WIDTH
SECTION MODULUS (BOT. OF DECK), Sp	0.186 IN^3/FT WIDTH

IN ADDITION TO MEETING THE MINIMUM REQUIREMENTS ABOVE, THE DECK MANUFACTURER SHALL DESIGN THE ROOF DECK AND ATTACHMENTS TO STEEL FOR THE ROOF LOADS, INCLUDING DECK UPLIFT. ALL ROOF DECK SHALL HAVE A MINIMUM 3-SPAN CONDITION.

5.3.3 ROOF DECK SHALL BE ATTACHED TO SUPPORTS WITH #12 TEK SCREWS IN THE BOTTOM OF THE FLUTES USING A S.D.I. 36/7 PATTERN U.N.O. DECK SIDELAPS SHALL BE FASTENED USING #10 SCREWS WITH A MINIMUM 5-SIDE LAPS CONNECTIONS PER SPAN. ALL ENDLAPS SHALL BE A MINIMUM OF 2" AND SHALL OCCUR OVER SUPPORTS. MINIMUM DIAPHRAGM SHEAR STRENGTH Q = 400 PLF U.N.O.

5.3.4 DO NOT SUSPEND PIPES, DUCTS, OR CEILING FROM ROOF DECK.

6.0 STRUCTURAL STEEL

6.1 STRUCTURAL STEEL ROLLED SHAPES AND PLATES SHALL CONFORM TO THE MATERIAL INFORMATION SCHEDULE ON SHEET S003. DIMENSIONS AND PROPERTIES SHALL BE IN ACCORDANCE TO ASTM A6.

6.2 ANCHOR BOLTS SEE STEEL MATERIALS SCHEDULE

6.3 CONNECTION BOLTS FOR STRUCTURAL STEEL MEMBERS SHALL BE ¾" DIA A325-N, U.N.O. AND SHALL CONFORM TO ASTM A325; NUTS SHALL CONFORM TO ASTM A563; WASHERS SHALL CONFORM TO ASTM F436. CONNECTION BOLTS SHALL HAVE A HARDENED WASHER PLACED UNDER THE ELEMENT TO BE TIGHTENED.

6.4 DETAILING OF STRUCTURAL STEEL CONNECTIONS MUST BE CONSISTENT WITH RECOGNIZED, PUBLISHED METHODS SUCH AS IN THE AISC "MANUAL OF STEEL CONSTRUCTION", CURRENT EDITION; "ENGINEERING FOR STEEL CONSTRUCTION", OR "VOLUME II CONNECTIONS MANUAL OF STEEL CONSTRUCTION."

6.5 SECTION A7 OF AISC CURRENT EDITION IS AMENDED SUCH THAT THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL CONNECTIONS.

6.6 SEE DWG. S401 FOR STANDARD FRAMING CONNECTIONS. STRUCTURAL STEEL CONNECTIONS SHALL BE DETAILED BY THE CONTRACTOR IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION-ALLOWABLE STRESS DESIGN", CURRENT EDITION. CONNECTIONS SHALL BE DESIGNED TO DEVELOP A MINIMUM END REACTION OF 16.0 KIPS. ALL CONNECTIONS TO BE FULL DEPTH UNLESS NOTED OTHERWISE.

6.7 ALL CONNECTIONS FOR BEAMS WHICH SUPPORT A CONCRETE SLAB (COMPOSITE BEAMS) SHALL BE DESIGNED USING THE END REACTION SHOWN ON THE FRAMING PLANS OR NOTE 6.5 ON S001.

6.8 U.N.O. AS THUS; [##K] EITHER IN PLAN OR IN THE BEAM REACTION TABLES, CONNECTIONS SHALL BE DESIGNED AND DETAILED FOR THE END REACTION DETERMINED FROM PART 2 - "ALLOWABLE UNIFORM LOAD TABLES" FROM THE AISC MANUAL OF STEEL CONSTRUCTION - ASD CURRENT EDITION OR A MINIMUM OF 16 KIPS, WHICHEVER IS GREATER.

6.9 ALL MEMBERS AND CONNECTIONS ON THE CONTRACT DRAWINGS AND CONNECTIONS FOR ANY PORTION OF THE STRUCTURE NOT SHOWN SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA DETAILED AND SUBMITTED FOR APPROVAL AND SHOWN ON THE SHOP DRAWINGS.

6.10 ALTERNATIVE CONNECTION DETAILS MAY BE SUBMITTED ON SHOP DRAWINGS BY THE CONTRACTOR ONLY IF ACCOMPANIED BY COMPLETE STRUCTURAL CALCULATIONS PREPARED AND SEALED BY AN ENGINEER, LICENSED IN THE STATE OF NORTH CAROLINA AND SUBMITTED FOR APPROVAL.

6.11 CALCULATIONS FOR DETAILS MUST SHOW A RATIONAL ANALYSIS OF A COMPLETE LOAD PATH, INCLUDING LOCAL EFFECTS ON WEBS, FLANGES, ETC. OF THE CONNECTED MEMEBERS AND THE DEVICES (PLATES, SEATS, BRACKETS, BOLTS, WEBS, ETC) AFFECTING ALL CONNECTIONS. FAILURE TO SUBMIT SUCH CALCULATIONS FOR REVIEW CONCURRENT WITH SHOP DRAWING ERECTION PLANS AND DETAILS WILL BE CAUSE FOR RESUBMITTAL.

6.12 ALL SHEAR TAB CONNECTIONS SUBMITTED AS AN ALTERNATE FOR APPROVAL SHALL BE DESIGNED USING A FLEXIBLE SUPPORT CONDITION.

6.13 BEAM AND GIRDER CONNECTIONS SHALL BE DESIGNED SUCH THAT ALL ADDITIONAL STRESSES DUE TO CONNECTION ECCENTRICITY SHALL BE DEVELOPED BY THE CONNECTION AND NOT INCDUCE ANY ADDITIONAL STRESSES INTO SUPPORTING MEMBERS.

6.14 STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN" (CURRENT EDITION), AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" (CURRENT EDITION).

6.15 WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE AWS D1.1. ELECTRODES FOR SHOP AND FIELD WELDS SHALL BE CLASS E70XX. ALL WELDING SHALL BE DONE BY QUALIFIED, CERTIFIED WELDERS PER THE ABOVE STANDARD.

6.16 SHOP AND FIELD TESTING OF WELDS AND BOLTS SHALL BE AS OUTLINED IN THE SPECIFICATIONS.

6.17 ALL WELDS NOT INDICATED SHALL BE A MINIMUM OF 1/4" ALL AROUND U.N.O.

6.18 THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

6.19 FOR FLOOR AND ROOF OPENINGS, THE FABRICATOR SHALL VERIFY OPENING LOCATIONS WITH EQUIPMENT SELECTED AND MAKE ANY NECESSARY MODIFICATIONS AT NO ADDITIONAL COST. THE CONTRACTOR SHALL COORDINATE MECHANICAL UNITS AND OPENINGS & ARCHITECTURAL ITEMS REQUIRED FOR COMPLETE INSTALLATION OF WORK. IT IS THE RESPONSIBILITY OF FABRICATOR TO RECEIVE ALL NECESSARY INFORMATION PRIOR TO FABRICATION OF THE STEEL.

6.20 ALL STRUCTURAL STEEL WHICH IS TO BE SPRAYED WITH FIREPROOFING SHALL NOT BE PRIMED OR PAINTED. STEEL WHICH IS NOT SPRAYED WITH FIREPROOFING SHALL BE PRIMED AND PAINTED PER SPECIFICATIONS. FOR STEEL BEAMS THAT ARE PRIMED, THE TOP FLANGE RECEIVING STEEL STUDS SHALL NOT BE PRIMED PAINTED.

6.21 ALL PLATES NOT INDICATED SHALL BE 5/16" MIN. THICKNESS. ALL ANGLES NOT INDICATED SHALL BE 5/16" MIN THICKNESS WITH GEOMETRY AS REQUIRED.

6.22 SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN. SEE DWG. S4.01 FOR TYPICAL FRAMING DETAILS.

6.23 FOR ARCHITECTURAL WELDS PROVIDE 3/16" FILLET OR STITCH WELD 2" LONG AT 12" O.C. U.N.O. MIN. WHERE WELDS ARE PERMANENTLY EXPOSED TO VIEW PROVIDE CONTINUOUS WELD IN ACCORDANCE WITH NOTE 6.18.

7.0 NOT USED.

8.0 STEEL JOISTS

8.1 THE DETAILING, FABRICATION AND ERECTION OF STEEL JOISTS SHALL CONFORM TO THE LATEST STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE. JOISTS SHALL EXTEND TO WITHIN 5/16" OF CENTERLINE OF SUPPORTING BEAMS AT ABUTING JOISTS SPANS AND AT LEAST 2" PAST CENTERLINE OF SUPPORTING BEAMS ELSEWHERE AND IN ANY CASE JOIST ENDS SHALL BEAR A MINIMUM OF 2 1/2" ON STEEL SUPPORTS AND SHALL BE ANCHORED WITH A MINIMUM OF TWO 3/16"x1" FILLET WELDS (OR BOLTED CONNECTION) AND A MINIMUM OF 4" ON MASONRY OR CONCRETE SUPPORTS, BEARING ON A STEEL PLATE. BRIDGING SHALL BE AS SHOWN ON PLANS AS A MINIMUM AND WELDED TO INSIDE OF TOP AND BOTTOM CHORDS AND ANCHORED IN ACCORDANCE WITH SJI SPECIFICATIONS AT THEIR ENDS. EXTEND TOP AND BOTTOM CHORDS AS REQUIRED.

8.2 WHERE BOTTOM CHORD EXTENSIONS ARE REQUIRED, ALL DEAD LOADS SHALL BE IN PLACE PRIOR TO ATTACHMENT OF BOTTOM CHORD TO ADJACENT MEMBER.

8.3 FOR CONCENTRATED LOADS GREATER THAN 200 LBS ON JOIST, NOT FALLING DIRECTLY OVER A JOIST CHORD PANEL POINT, PROVIDE WEB REINFORCING ANGLES FROM THE SUPPORT POINT TO A BOTTOM CHORD PANEL POINT. USE L 2x2x3/16" OF EACH SIDE OF JOIST AND USE 3/16" FILLET WELD OR LEAST THICKNESS OF MATERIAL USED (WHICHEVER IS LESS), U.N.O. MAXIMUM POINT LOAD NOT TO EXCEED 500 LBS U.N.O.

8.4 WHERE JOISTS ARE ADJACENT TO WIDE FLANGE BEAMS, ALL LINES OF BRIDGING SHALL BE ANCHORED TO THE WIDE FLANGE BEAMS.

8.5 ALL ROOF JOISTS SHALL BE PROVIDED WITH SINGLE LINES OF BOTTOM CHORD BRIDGING FOR UPLIFT AT FIRST BOTTOM CHORD PANEL POINT AT EACH END OF JOIST, FOR CLARITY, THIS BRIDGING IS NOT SHOWN ON THE ROOF FRAMING PLANS.

8.6 THE CAMBER FOR STEEL JOISTS SHALL BE AS SPECIFIED BY JOIST MANUFACTURER TO SUSTAIN THE LOADS AND CONDITIONS AS SPECIFIED.

8.7 STEEL JOISTS FOR ROOFS SHALL BE DESIGNED FOR A NET UPLIFT AS SPECIFIED. ADDITIONAL BRIDGING MAY BE ADDED IF REQUIRED BY STEEL JOIST MANUFACTURER.

8.8 OPENINGS FOR DUCTS, VENTS, MECHANICAL EQUIPMENT, ETC. ARE TO BE FRAMED PER DWG. S4.01 UNLESS OTHERWISE SHOWN. MECHANICAL CONTRACTOR TO PROVIDE EXACT SIZES AND LOCATIONS FOR OPENINGS TO BE COORDINATED BY THE JOIST FABRICATOR.

8.9 STEEL JOIST SIZES INDICATED ARE BASED UPON THE GRAVITY LOADS REQUIRED. SPECIAL JOISTS OR JOISTS OF LARGER SIZES SHALL BE PROVIDED AS REQUIRED BY THE STEEL JOIST MANUFACTURER TO ACCOMMODATE SITUATIONS AND LOADS INDICATED ON THE DRAWINGS, SUCH AS HANGER LOADS, UPLIFT LOADS, WIND LOADS, CHORD EXTENSION LOADS, ETC. ALL JOIST SIZES SHOWN ON DRAWINGS ARE GIVEN AS MINIMUM AND SHALL MEET THE MINIMUM UNIFORM LOAD CARRY CAPACITIES AS SPECIFIED BY THE STEEL JOIST INSTITUTE. STEEL JOISTS DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA.

8.10 JOISTS SHALL BE DESIGNED FOR LOAD REVERSAL AS REQUIRED.

8.11 JOISTS SHALL BE DESIGNED FOR CONCENTRATED LOADS APPLIED CONCURRENTLY WITH THE APPLICABLE LOAD CONDITIONS INCLUDING ROOF LIVE LOADS. BOTTOM CHORD PANEL POINTS SHALL BE DESIGNED FOR MAXIMUM HANGER LOADS OF 500 LBS APPLIED AT ANY PANEL POINT.

8.12 ALL STEEL JOISTS SHALL BE PRIMED UNLESS FIREPROOFED.

8.13 ALL BRIDGING SHOWN IS THE MINIMUM REQUIRED.

8.14 MINIMUM JOIST SEAT END BEARING BOUNDARY SHEAR "Q" = 400 LF U.N.O. ALL K-SERIES JOIST SEATS SHALL BE 2 1/2" MIN. U.N.O. ALL LH-SERIES JOIST SEATS SHALL BE 5" MIN. U.N.O.

8.15 JOIST REACTIONS THRU SEAT ARE TO BE APPLIED AT THE CENTER OF CMU WALLS SO THAT IT DOES NOT CREATE AN ECCENTRIC LOADING CONDITION. (TYP)

9.0 BRICK OR CMU LEDGE ANGLES/PLATES

9.1 ALL LEDGES SHALL BE ½" MIN THICKNESS AND SHALL EXTEND TO WITHIN 1" U.N.O. OF OUTSIDE FACE OF WALL.

9.2 ALL LEDGES SHALL BE DISCONTINUOUS AT CONTROL AND EXPANSION JOINTS.

9.3 ALL LEDGES EXPOSED TO WEATHER SHALL BE GALVANIZED.

9.4 ALL LEDGES SHALL BE FIELD WELDED, TO ACCOMMODATE VARIATIONS IN SWEEP, CAMBER, THICKNESS OF MORTAR JOINTS, CONSTRUCTION TOLERANCES, DEFLECTION OF MEMBERS DURING PLACEMENT OF DEAD LOAD, ETC. TO ENSURE PROPER ALIGNMENT AND PLACEMENT OF LEDGES WITH BRICK AND CMU MORTAR JOINTS, CONTROL & EXPANSION JOINTS, FINISHED FLOOR ELEVATIONS, ETC. ALL BENT PLATE LEDGES ARE INDICATED TO BE ONE PIECE. THE SUBCONTRACTOR SHALL VERIFY AND COORDINATE ALL CONDITIONS (INCLUDING COORDINATION WITH THE BRICK MASONRY CONTRACTOR) TO ENSURE PROPER INSTALLATION OF WORK. ANY MODIFICATIONS REQUIRED FOR COMPLETION OF WORK WILL BE AT NO ADDITIONAL COST TO THE OWNER.

10.0 LIGHTGAUGE STEEL FRAMING NOTES

10.1 ALL MEMBER DESIGN, SIZES AND NOMENCLATURE, ETC. WHERE SHOWN ON DRAWINGS ARE BASED ON STEEL STUD MANUFACTURERS ASSOCIATION'S (SSMA) PRODUCT TECHNICAL INFORMATION UTILIZING AISI 1996 COLD FORMED STEEL DESIGN MANUAL. ANY VARIATION FROM SSMA INFORMATION REQUIRES AN APPROVAL WITH COMPLETE TECHNICAL DATA, INCLUDING PROFILES, DESIGN CALCULATIONS, ETC. STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE BUILDING IS TO BE CONSTRUCTED.

10.2 ALL STUDS, TRACKS AND JOISTS OF 18, 16, 14 OR 12 GAUGE TO BE CORROSION RESISTANT A653 CLASS 1 WITH A YIELD STRENGTH OF 50,000 PSI.

10.3 ALL STUDS, TRACKS AND JOISTS OF 20 OR 22 GAUGE TO BE CORROSION RESISTANT A653 GRADE 33, WITH A YIELD STRENGTH OF 33,000 PSI.

10.4 ALL BRIDGING AND CONNECTION PIECES TO BE CORROSION RESISTANT A653 GRADE 33, WITH A YIELD STRENGTH OF 33,000 PSI.

10.5 STUD AND JOISTS CONNECTIONS TO STUDS AND JOISTS THAT ARE TO BE WELDED SHALL BE BY AWS LIGHT GAUGE CERTIFIED WELDERS. MIN. WELD LENGTH SHALL BE 1". ALL WELDS SHALL BE WIRE BRUSHED AND COATED WITH A ZINC RICH PRIMER OR GALVANIZING REPAIR PRODUCT.

10.6 USE THREE (3) STUDS (MINIMUM U.N.O.) AT CORNERS OF ALL EXTERIOR WALLS AND USE 2 FULL HEIGHT STUDS EA. SIDE OF OPENINGS.

10.7 WHEN SCREWS ARE USED FOR CONNECTIONS, THE MINIMUM SPACING IS 3/4" AND 1/2" FOR CLEARANCE TO MEMBER EDGE.

10.8 TRACK, BRIDGING AND CONNECTION PIECES TO BE WELDED OR SCREWED USING SELF TAPPING S-12 SCREWS, MIN. NO. 8.

10.9 ATTACHMENT OF TRACK OR CONNECTION PIECES TO CONCRETE SHALL BE AS SHOWN ON DESIGN DRAWINGS.

10.10 LATERAL BRIDGING SHALL BE PROVIDED WHERE SHOWN, AS A MINIMUM. CONNECT BRIDGING TO METAL STUDS.

10.11 NO SPLICES ARE ALLOWED IN STUDS OR JOISTS. SPLICES IN TRACK OR CONTINUOUS CONNECTION PIECES SHALL SUPPLY THE FULL STRENGTH OF THE MEMBER STUDS.

10.12 NO SPLICES ARE ALLOWED IN STUDS OR JOISTS. SPLICES IN TRACK OR CONTINUOUS CONNECTION PIECES SHALL SUPPLY THE FULL STRENGTH OF THE MEMBER SPLICED.

10.13 ALL MEMBERS ARE TO BE INSTALLED PLUMB, LEVEL OR IN LINE WITH THE SLOPE OF THE STRUCTURE.

10.14 DURING CONSTRUCTION, TEMPORARY ERECTION BRACING, SHORING AND/OR SUPPORTS SHALL BE PROVIDED AS REQUIRED TO INSURE STRUCTURAL STABILITY UNTIL ALL STRUCTURAL COMPONENTS ARE PROPERLY INSTALLED, ALIGNED AND SECURED.

10.15 LIGHT GAGE STEEL MEMBERS SIZES SHOWN ON DWGS. ARE MINIMUM SIZES. GENERAL CONTRACTOR SHALL OBTAIN ENGINEER TO DESIGN ALL LIGHT GAGE STEEL FRAMING SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS. SHOP DRAWINGS AND CALCULATIONS SEALED BY ENGINEER REGISTERED IN SOUTH CAROLINA SHALL BE SUBMITTED FOR APPROVAL FOR ALL FRAMING.

10.16 MAXIMUM DEFLECTION SHALL NOT EXCEED L/600 FOR BRICK VENEER AND L/360 OTHERWISE. (SEE SPECS FOR ADDITIONAL INFORMATION.)

11.0 NOT USED

12.0 ANCHORING TO CONCRETE

12.1 EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF ONE OF THE FOLLOWING ANCHOR TYPES. ANCHORS SHALL BE BY HILTI, SIMPSON STRONG-TIE, POWERS FASTENERS, OR A MANUFACTURER WITH EQUAL PRODUCTS AS REFERENCED IN THE CONSTRUCTION DOCUMENTS. PROVIDED ANCHORS SHALL HAVE PROPER TESTING AND ACCREDITATION BY ICC FOR THEIR INTENDED USE.

a. ANCHORAGE TO CONCRETE
   i. ADHESIVE ANCHORS FOR USE WITH CRACKED AND UNCRACKED CONCRETE.
   ii. MEDIUM DUTY MECHANICAL ANCHORS FOR USE WITH CRACKED AND UNCRACKED CONCRETE.
   iii. HEAVY DUTY MECHANICAL ANCHORS FOR USE WITH CRACKED AND UNCRACKED CONCRETE.

b. REBAR DOWELING INTO CONCRETE
   i. ADHESIVE ANCHORS FOR USE WITH CRACKED AND UNCRACKED CONCRETE.

c. ANCHORAGE TO SOLID GROUTED MASONRY
   i. ADHESIVE ANCHORS
   ii. MECHANICAL ANCHORS

d. ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY
   i. ADHESIVE ANCHORS WITH ASSOCIATED MESH NETTING AND GROUTING

12.2 SEE DRAWINGS FOR THE TYPE, SIZE, LOCATION AND MINIMUM EMBEDMENT DEPTH OF ANCHORS.

12.3 MINIMUM EDGE DISTANCE AS SHOWN OR IMPLIED IN THE CONSTRUCTION DRAWINGS SHALL BE MET.

12.4 INSPECTIONS OF POST-INSTALLED ANCHORS SHALL BE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF IBC AS SHOWN IN THESE CONSTRUCTION DOCUMENTS.

12.5 ANCHOR CAPACITY FOR THE SELECTED ANCHORS SHALL BE COMPATIBLE WITH THE ANCHORAGE CAPACITY LISTED FOR THE REFERENCED PRODUCT IN THE CONSTRUCTION DOCUMENTS. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED THRU THE SUBMITTAL PROCESS BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS OR DOCUMENTATION DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE REFERENCED PRODUCT. SUBSTITUTIONS SHALL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY AND APPROPRIATE INSTALLATION INSTRUCTIONS.

12.6 ADHESIVE ANCHORS SELECTED ARE ASSUMED TO BE INSTALLED AFTER THE CONCRETE HAS BEEN CURED AND REACHED ITS 28-DAY SPECIFIED COMPRESSIVE STRENGTH. THE CONTRACTORS SHALL BE RESPONSIBLE FOR SELECTING AN APPROPRIATE ANCHOR FOR A SUBSTITUTION REQUEST (SEE NOTE 5 ABOVE) IF THE CONCRETE HAS NOT YET REACHED ITS 28-DAY SPECIFIED COMPRESSIVE STRENGTH AT THE TIME OF INSTALLATION.

12.7 INSTALL ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. POST-INSTALLED ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII). INSTALLATION OF ADHESIVE ANCHORS SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS.

12.8 ADHESIVE ANCHORS INSTALLED IN A HORIZONTAL OR UPWARDLY INCLINED ORINETATION SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION BY THE SPECIAL INSPECTOR. INSTALLATION OF THESE ANCHORS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFIATION PROGRAM. THE CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMACE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT.

12.9 ADHESIVE ANCHORS SHALL BE PROOF TESTED IN ACCORDANCE WITH ACI 355.4.

12.10 EXTERIOR ANCHORS SHALL BE GALVANIZED FOR PROTECTION FROM THE ELEMENTS.

12.11 THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THE PRODUCTS SPECIFIED. (THIS DOES NOT SUPERCEDE THE REQUIREMENTS OF NOTE 8 ABOVE.)

12.12 EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTORS SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHROS BY GPR, X-RAY OR OTHER NON-DESTRUCTIVE MEANS.

13.0 DELEGATED DESIGN ITEMS

13.1 THE FOLLOWING ENGINEERED SYSTEMS AND COMPONENTS ARE DELEGATED FOR DESIGN TO A QUALIFIED SPECIALTY STRUCTURAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA AND CONTRACTED BY THE CONTRACTOR. THESE SYSTEMS AND COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO:

A. METAL PAN STAIRS AND HANDRAILS/GUARDRAILS
B. PRE-MANUFACTURED METAL CANOPIES
C. CURTAIN WALL AND STOREFRONT WALL SYSTEMS
D. SEISMIC BRACING FOR NON-STRUCTURAL COMPONENTS PER ASCE 7 CHAPTER 13
E. STEEL STAIRS AND ACCESS LADDERS
F. LIGHT GAUGE STEEL (COLD-FORMED METAL FRAMING)
G. STRUCTURAL STEEL CONNECTIONS NOT INDICATED OR DETAILED ON THE CONTRACT DOCUMENTS
H. STONE COLUMNS (AGGREGATE PIER) FOUNDATION SYSTEM

13.2 DELEGATED ENGINEERED SYSTEMS AND COMPONENTS SHALL SATISFY THE REQUIREMENTS OF THE APPLICABLE BUILDING CODES AND MATERIAL STANDARDS, INCLUDING AT A MINIMUM IBC 2021 AND ASCE 7-16.

13.3 SEE SPECIFICATIONS, BASIS OF DESIGN NOTES AND MATERIAL SPECIFIC NOTES FOR MATERIAL REQUIREMENTS, DESIGN CRITERIA, DETAILS OF THE SYSTEM/COMPONENT INTERFACE WITH THE PRIMARY STRUCTURE, AND SUBMITTAL AND CALCULATION REQUIREMENTS.

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PROJECT INFORMATION
Project Number
R23.01309.00
Client Name
YORK COUNTY
Project Name
CORONER'S FACILITY - YCE PROJECT #20312
Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
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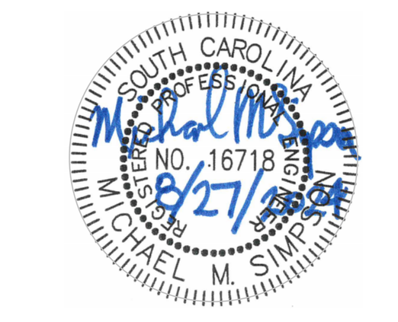
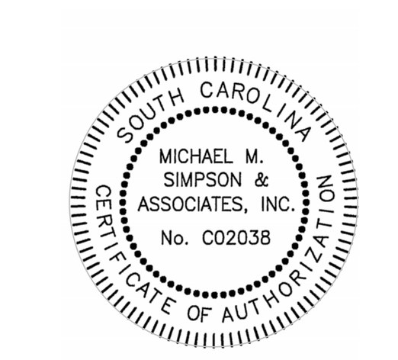
PROFESSIONAL STAMPS





SHEET INFORMATION

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Project Status
100% Construction Documents

Drawn By	Checked By
JDS	MMS

Drawing Title
GENERAL NOTES

Drawing Number
S001

STRUCTURAL DESIGN CRITERIA

ALL DESIGNS SHALL CONFORM TO THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, 2021 EDITION (IBC 2021, ASCE 7-16).

1.0 DESIGN LOADS

1.1 DEAD LOADS

1.1.1 ROOF DEAD LOADS (SUPERIMPOSED GRAVITY LOADS)	MAXIMUM GRAVITY LOADS	MINIMUM GRAVITY LOADS FOR UPLIFT
MEMBRANE ROOFING SYSTEM	5 PSF	1 PSF
INSULATION	4 PSF	2 PSF
METAL DECK	3 PSF	-
MECHANICAL / ELECTRICAL / PLUMBING	10 PSF	5 PSF
SPRINKLERS	4 PSF	2 PSF
CEILING	3 PSF	2 PSF
MISC	4 PSF	-
	33 PSF	12 PSF

1.2 LIVE LOADS (PER IBC 2021)

1.2.1 ROOF LIVE LOADS: ALL AREAS (ZONES)

GREATER OF 20 PSF MINIMUM (REDUCIBLE) OR SNOW LOAD	20 PSF

1.2.2 FLOOR LIVE LOADS

FIRST FLOOR CORRIDOR	100 PSF
PARTITION	15 PSF
OFFICES	50 PSF
MAIN COOLER AREA	200 PSF
TOILET / BATHROOM	75 PSF
ELECTRICAL	150 PSF
MECHANICAL	150 PSF
SALLYPORT	200 PSF
STORAGE	125 PSF

1.3 SNOW LOAD (PER IBC 2021)

1.3.1 DESIGN PARAMETERS

FLAT ROOF SNOW LOAD = 10 PSF

SNOW LOAD IMPORTANCE FACTOR, I = 1.0
SNOW EXPOSURE FACTOR = 1.0
THERMAL FACTOR 1.0

1.4 WIND LOAD (PER IBC 2021)

1.4.1 BASIC WIND SPEED Vult = 111 MPH (3 SEC GUST)
Vasd = 86 MPH

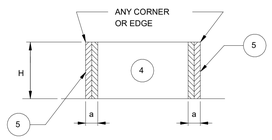
EXPOSURE C; (RISK CATEGORY II)
INTERNAL PRESSURE COEFFICIENT GCpi = ± 0.18 (ENCLOSED)

1.4.2 DESIGN WIND PRESSURE - MAIN WINDFORCE RESISTING SYSTEM

LOCATION	WALL WINDWARD + LEEWARD (@ MEAN ROOF HEIGHT)		ROOF		2a (FT)
	INTERIOR ZONE	END ZONE	INTERIOR ZONE	END ZONE	
ALL AREAS, UNO	17	26	-22	-31	16.0

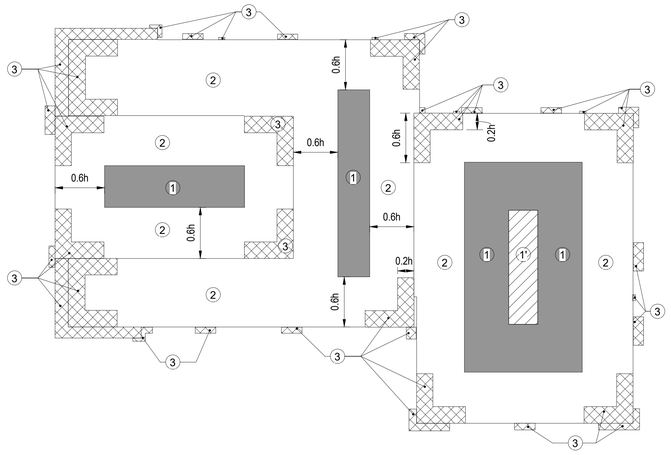
1.4.3 DESIGN WIND PRESSURE - WALL COMPONENTS & CLADDING

EXTERIOR WALL SYSTEMS & THEIR ATTACHMENTS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED FOR THE PRESSURES SHOWN IN THE DIAGRAM BELOW:



PRESSURE ON EXTERIOR WALL SYSTEMS FOR BUILDINGS WITH MEAN ROOF HEIGHT (H) = AS SHOWN

TRIBUTARY AREA (SQUARE FT)	H	WINDWARD PRESSURE psf (INWARD)		LEEWARD PRESSURE psf (OUTWARD)		a (FT)
		4 (+)	5 (+)	4 (-)	5 (-)	
10	0-21'	26.5	26.5	28.5	35	8
50	0-21'	23.5	23.5	26	29.5	8
100	0-21'	22.5	22.5	24.5	27.5	8



1.5 DESIGN WIND PRESSURE - ROOF UPLIFT

TRIBUTARY AREA	UPLIFT PRESSURE psf						
	ALL ZONES (+)	ZONE 1	ZONE 1'	ZONE 2	ZONE 3	PARAPET	a
	T (PSF)	T (PSF)	T (PSF)	T (PSF)	T (PSF)	T (PSF)	(FT)
A ≤ 10ft^2	16	-46	-26.5	-60.5	-82	+/-100.5	8
10ft^2 ≤ A ≤ 50ft^2	16	-39	-26.5	-51.5	-64	+/-79.5	8
50ft^2 ≤ A ≤ 100ft^2	16	-36	-26.5	-47.5	-56.5	+/-70.5	8

"T" = TYPICAL ROOF AREA EXCLUDING OVERHANG

"+" = PRESSURES ACTING TOWARD SURFACES

"-" = PRESSURES ACTING AWAY FROM SURFACES

1.5 SEISMIC LOAD (PER IBC 2021)

1.5.1	RISK CATEGORY	II (TABLE 1604.5)
1.5.2	SEISMIC IMPORTANCE FACTOR	1.00
1.5.3	SPECTRAL ACCELERATION COEFFICIENTS S_S AND S_1	S_S = 0.236g S_1 = 0.089g
1.5.4	SPECTRAL RESPONSE COEFFICIENTS S_{DS} AND S_{D1}	S_{DS} = 0.252g S_{D1} = 0.142g
1.5.5	SITE CLASS	D
1.5.6	BASIC SEISMIC-FORCE-RESISTING SYSTEM PER TABLE 1617.6	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
1.5.7	DESIGN BASE SHEAR, V = C_S x W	0.084 * W = V KIPS
	ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
1.5.8	SEISMIC DESIGN CATEGORY	C (TABLE 1616.3 (1)
1.5.9	RESPONSE MODIFICATION FACTOR, R	3
1.5.10	OVERSTRENGTH FACTOR, Ω	3
1.5.11	DEFLECTION AMPLIFICATION FACTOR, Cd	3

2.0 FOUNDATION DESIGN CRITERIA

2.1 MINIMUM FOOTING BEARING DEPTH BELOW FINISHED GRADE IS 18 INCHES.

2.2 MINIMUM FACTOR OF SAFETY FOR STABILITY AGAINST SLIDING, OVERTURNING AND UPLIFT IS 1.5
SLIDING FRICTION COEFFICIENT FOR FOOTINGS IS 0.35

2.3 SOIL DESIGN PARAMETERS OF GEOTECHNICAL INVESTIGATION

3.0 FOUNDATION DESIGN CRITERIA

ALLOWABLE SOIL BEARING CAPACITIES = 4000 psf, PER GEOTECHNICAL REPORT BY ESP

BUILDING FOUNDATION DESIGN, (COLUMNS, PERIMETER WALLS, AND INTERIOR WALLS WITH TURNDOWN THICKENED SLAB/ FOOTINGS), ASSUMED STONE COLUMNS (AGGREGATE PIERS) FOUNDATION SYSTEM FOR FOUNDATION STATIC POST-CONSTRUCTION SETTLEMENT. SEE GEOTECHNICAL REPORT

CONCRETE MATERIALS SCHEDULE		
STRUCTURAL ELEMENT	f'c CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS (PSI)	REMARKS
ALL FOOTINGS U.N.O.	3000	
SLAB-ON-GRADE	3500	
ALL OTHER CONCRETE	3000	

NOTES:
1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE. (150 PCF) (U.N.O.)

STEEL MATERIALS SCHEDULE		
STRUCTURAL ELEMENT	FY YEILD STRENGTH (KSI)	REMARKS
BEAMS & GIRDERS	50	ASTM A992
COLUMNS	50	ASTM A992
BRACING,	50	ASTM A992
CONNECTIONS, PLATES, & ALL OTHERS	36	ASTM A36
ANCHOR BOLTS	55 FOR MF COLS 36 FOR W12 COLS	ASTM F1554
PIPES	35	ASTM A573 GRADE B
TUBING	46	ASTM A500 GRADE B

CONCRETE COVER SCHEDULE

MINIMUM CONCRETE COVER PROTECTION FOR REINFORCEMENT BARS SHALL BE AS FOLLOWS: (SEE ACI 318-14, SECTION 20.6 FOR CONDITIONS NOT NOTED). DIMENSIONS FOR BAR PLACEMENT GIVEN IN SECTIONS AND DETAILS SHALL SUPERSEDE MINIMUM COVER REQUIREMENTS GIVEN HERE.

FOOTINGS (EARTH FORMED)		3 INCHES
COLUMNS / PIERS		1 1/2 INCHES
GRADE BEAMS OR SLAB TURNED DOWN EDGES:		
TOP		1 1/2 INCHES
BOTTOM		3 INCHES
SIDES (EARTH FORMED)		3 INCHES
SIDES (BOARD FORMED)	#5 BAR & SMALLER	1 1/2 INCHES
	#6 THRU #11 BAR	2 INCHES
SLABS-ON-GRADE (NO EXPOSURE TO WEATHER) FROM TOP		3/4 INCHES
SLABS-ON-GRADE (EXPOSURE TO WEATHER) FROM TOP		1 1/2 INCHES

RETAINING WALLS (NO SURFACES SHALL BE EARTH FORMED
EARTH SIDE AND FRONT SIDE (EXPOSED TO WEATHER):

#5 BAR AND SMALLER	1 1/2 INCHES
#6 THRU #11 BAR	2 INCHES

PROVIDE STANDARD BAR CHAIRS AND SPACERS AS REQUIRED TO MAINTAIN CONCRETE PROTECTION SPECIFIED.

STANDARD HOOKS IN TENSION PER (ACI 318-14)		
HOOK DEVELOPMENT LENGTH Ldh (INCHES)		
BAR SIZE	f'c 4000 PSI	f'c 3000 PSI
#3	7	9
#4	10	11
#5	12	14
#6	15	17
#7	17	19
#8	19	22
#9	22	25
#10	24	28
#11	27	31

MINIMUM LAP SPLICES OF REINFORCING BARS IN TENSION (PER ACI 318-14)				
f'c = 3500psi				
BAR CONDITION / BAR SIZE	(--TOP BARS--) CATEGORY A	(--TOP BARS--) CATEGORY B	(--OTHER BARS--) CATEGORY A	(--OTHER BARS--) CATEGORY B
#3	20	30	16	23
#4	27	40	21	31
#5	33	50	26	38
#6	40	60	31	46
#7	58	87	45	67
#8	66	99	51	76
#9	75	112	58	86
#10	84	126	65	97
#11	93	139	72	107

NOTES:
1. YIELD STRENGTH OF REINFORCEMENT, fy, IS 60 ksi (LAP SPLICE LENGTH IS IN INCHES).
2. CONCRETE IS NORMAL WEIGHT (150 pcf).
3. TOP BAR INDICATES HORIZONTAL REINFORCEMENT WHICH IS PLACED ABOVE 12" OR MORE OF FRESH CONCRETE.
4. UNLESS NOTED OTHERWISE COLUMNS & PIERS UTILIZE TENSION LAP SPLICES.
5. CATEGORY 'A' IN TABLE DENOTES BARS THAT HAVE CLEAR SPACING AND COVER AT LEAST db AND STIRRUPS NOT LESS THAN CODE MIN. OR CLEAR SPACING GREATER THAN 2db AND CLEAR COVER OF db. CATEGORY 'B' IS ALL OTHER CASES.
6. VALUES IN TABLES ARE FOR A CLASS 'A' TENSION SPLICE. CLASS 'B' TENSION SPLICE VALUES CAN BE OBTAINED BY MULTIPLYING THE VALUES FROM THE TABLE BY 1.3.

MINIMUM LAP SPLICES OF REINFORCING BARS IN TENSION (PER ACI 318-14)				
f'c = 3000psi				
BAR CONDITION / BAR SIZE	(--TOP BARS--) CATEGORY A	(--TOP BARS--) CATEGORY B	(--OTHER BARS--) CATEGORY A	(--OTHER BARS--) CATEGORY B
#3	22	32	17	25
#4	29	43	22	33
#5	36	54	28	41
#6	43	64	33	50
#7	63	94	48	72
#8	72	107	55	82
#9	81	121	62	93
#10	91	136	70	105
#11	101	151	78	116

NOTES:
1. YIELD STRENGTH OF REINFORCEMENT, fy, IS 60 ksi (LAP SPLICE LENGTH IS IN INCHES).
2. CONCRETE IS NORMAL WEIGHT (150 pcf).
3. TOP BAR INDICATES HORIZONTAL REINFORCEMENT WHICH IS PLACED ABOVE 12" OR MORE OF FRESH CONCRETE.
4. UNLESS NOTED OTHERWISE COLUMNS & PIERS UTILIZE TENSION LAP SPLICES.
5. CATEGORY 'A' IN TABLE DENOTES BARS THAT HAVE CLEAR SPACING AND COVER AT LEAST db AND STIRRUPS NOT LESS THAN CODE MIN. OR CLEAR SPACING GREATER THAN 2db AND CLEAR COVER OF db. CATEGORY 'B' IS ALL OTHER CASES.
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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
Consulting Structural Engineers
30 Patewood Drive, Suite 100
Greenville, S.C. 29615
(864) 331-1201

PROFESSIONAL STAMPS

SHEET INFORMATION

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08/27/2024	As indicated

Project Status
100% Construction Documents

Drawn By	Checked By
JDS	MMS

Drawing Title
BASIS OF DESIGN

Drawing Number
S002

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TESTING / INSPECTION

1. THE TESTING AGENCY FOR ALL STRUCTURAL TESTING SHALL BE SELECTED AND PAID BY THE OWNER.
2. TESTING AGENCY SHALL PERFORM THE STRUCTURAL TESTING AND INSPECTIONS INDICATED IN SPECIFICATION DIVISIONS 2, 3, 4 AND 5, IBC CHAPTER 1 AND IBC CHAPTER 17 INSPECTIONS AS OUTLINED IN THE STATEMENT OF SPECIAL INSPECTIONS DEVELOPED FOR THE PROJECT. PROJECT SPECIFICATIONS, AND AS NOTED ON THE STRUCTURAL, ARCHITECTURAL, AND CIVIL DRAWINGS.
3. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY SUFFICIENTLY IN ADVANCE (48 HOURS MIN) OF REQUIRED TESTING AND INSPECTION WORK.
4. THE CONTRACTOR SHALL PROVIDE THE TESTING AGENCY ACCESS AS NECESSARY TO SHOP AND FIELD WORK TO PERFORM SPECIFIED TESTING AND INSPECTION WORK.
5. THE TESTING AGENCY SHALL PROVIDE ALL NECESSARY EQUIPMENT, TESTING/INSPECTION FORMS, ETC. TO PERFORM THE WORK REQUIRED AND ADEQUATELY DOCUMENT RESULTS, ETC. EXCEPTION: TENSION VERIFICATION EQUIPMENT SHALL BE PROVIDED AND OPERATED BY THE GC/ERECTOR/FABRICATOR FOR THE AGENCY'S OBERSERVATION OF THE PRE-INSTALLATION VERIFICATION TESTING.
6. THIS PROJECT IS SUBJECT TO SPECIAL INSPECTIONS AS OUTLINED IN CHAPTER 17 OF THE IBC. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS INCLUDED IN THE PROJECT MANUAL FOR ADDITIONAL NFORMATION.
7. CONTRACTOR SHALL INSURE THAT ANY ITEMS IDENTIFIED AS DEFICIENT ARE CORRECTED AS REQUIRED TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.
8. THE ERECTOR SHALL PROVIDE ANY TESTING/VERIFICATION/CALIBRATION EQUIPMENT REQUIRED (SKIDMORE) FOR CALIBRATION AND TESTING OF PRE-TENSIONED BOLTS. INSPECTOR SHALL OBSERVE THE CALIBRATION AND TESTING.
9. THE TESTING AGENCY SHALL WITHIN SEVEN (7) DAYS OF TEST OR INSPECTION, DIRECTLY DISTRIBUTE COPIES OF ALL REPORTS OF TESTING AND INSPECTION AS FOLLOWS:
   TWO (2) COPIES TO THE OWNER/SPECIAL INSPECTION COORDINATOR
   ONE (1) COPY TO SUBCONTRACTOR
   ONE (1) COPY TO STRUCTURAL ENGINEER

SPECIAL INSPECTIONS

1. PER CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE, A STATEMENT OF SPECIAL INSPECTIONS FOR THIS PROJECT HAS BEEN PREPARED AND IS INCLUDED IN THE PROJECT MANUAL FOR SUBMISSION TO THE BUILDING CODE OFFICIAL FOR THE PROJECT.
2. MATERIAL TESTING AND SPECIAL INSPECTIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, PROJECT SPECIFICATIONS, THE STATEMENT OF SPECIAL INSPECTIONS, AND APPLICABLE CODES REFERENCED THEREIN.
3. DOCUMENTATION OF THE TESTING AND INSPECTIONS SHALL BE SUBMITTED WEEKLY TO THE SPECIAL INSPECTION COORDINATOR FOR THE OWNER AND THE ENGINEER OF RECORD FOR REVIEW. A COMPLETE COPY OF REPORTS WILL BE MAINTAINED BY THE SPECIAL INSPECTION COORDINATOR AND AVAILABLE FOR REVIEW AT ALL TIMES ON SITE FOR SUBMISSION TO THE BUILDING OFFICIAL.
4. THE FIRM RESPONSIBLE FOR CARRYING OUT THE SPECIAL INSPECTIONS SHALL MAINTAIN AND DISTRIBUTE A LOG OF DISCREPANCIES/DEFICIENCIES INCLUDING THE DATE THEY WERE IDENTIFIED AND THE DATES ON WHICH THEY WERE REINSPECTED AND DEEMED TO COMPLY. CONTRACTOR SHALL INSURE THAT ANY ITEMS IDENTIFIED AS DEFICIENT ARE CORRECTED AS REQUIRED TO COMPLY WITH THE CONSTRUCTION DOCUMENTS. ANY REPAIRS NOT CONSISTENT WITH THE CONSTRUCTION DOCUMENTS MUST BE SUBMITTED TO THE EOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT.
5. IN ACCORDANCE WITH THE IBC-2021 ALL CONTRACTORS RESPONSIBLE FOR CONSTRUCTION OF THE SEISMIC-FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, AND(OR) COMPONENTS LISTED IN THE QUALITY ASSURANCE PLAN (AS DEFINED IN THE SEISMIC QUALITY ASSURANCE SECTION OF THE STATEMENT OF SPECIAL INSPECTIONS) SHALL SUBMIT A STATEMENT OF RESPONSIBILITY THE THE DESIGNATED SPECIAL INSPECTION COORDINATOR AND THE ENGINEER OF RECORD. THE REPORT SHALL CONTAIN THE FOLLOWING:
   A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
   B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
   C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF REPORTS.
   D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.

THESE STATEMENTS MUST BE SUBMITTED TO THE SPECIAL INSPECTION COORDINATOR AND THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF ANY WORK BY THAT TRADE. COPIES OF THE STATEMENT SHALL BE KEPT WITH THE INSPECTION DOCUMENTATION COLLECTED BY THE SPECIAL INSPECTION COORDINATOR FOR SUBMISSION TO THE BUILDING CODE OFFICIAL. USE THE COUNCIL OF AMERICAN STRUCTURAL ENGINEER'S (CASE) FORMS AVAILABLE FREE ON THEIR WEBSITE.

STATEMENT OF SPECIAL INSPECTION TABLE NOTES:

1. THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE CREDENTIALS AND RELEVANT EXPERIENCE AND TRAINING OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED TO THE BUILDING OFFICIAL. INSPECTORS SHALL BE SUPERVISED BY THE INSPECTION AGENCY'S REGISTERED DESIGN PROFESSIONAL (PE) WHO IS REGISTERED IN THE PROJECT STATE. WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION OR LICENSE AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR BELOW THE AGENCY NUMBER ON THE SCHEDULE.

   PE/SE STRUCTURAL ENGINEER - A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES
   PE/GE GEOTECHNICAL ENGINEER - A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
   EIT ENGINEER-IN-TRAINING - A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION AND HAS A MINIMUM OF ONE YEAR OF RELATED EXPERIENCE.
   SCRG SOUTH CAROLINA REGISTERED GEOLOGIST
   GIT SOUTH CAROLINA GEOLOGIST-IN-TRAINING WITH A MINIMUM OF ONE YEAR OF RELATED EXPERIENCE

AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION
ACI-CFTT CONCRETE FIELD TECHNICIAN - GRADE 1
ACI-CCI CONCRETE CONSTRUCTION INSPECTOR
ACI-LTT LABORATORY TESTING TECHNICIAN - GRADE 1&2
ACI-STT STRENGTH TESTING TECHNICIAN

AMERICAN WELDING SOCIETY (AWS)
AWS-CWI CERTIFIED WELDING INSPECTOR
AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTOR

AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION
ASNT NON-DESTRUCTIVE TESTING TECHNICIAN - LEVEL II OR III.

INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION
ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR (CERTIFICATE PLUS ONE YEAR EXPERIENCE MIN.)
ICC-SWSI STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR (CERTIFICATE PLUS ON YEAR EXPERIENCE MIN.)
ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)
NICET-GET GEOTECHNICAL ENGINEERING TECHNICIAN - LEVEL II

2. THE FOLLOWING DEFINITION SHALL BE USED FOR THE FREQUENCY OF TESTING
   A. CONTINUOUS INSPECTION: FULL TIME OBSERVATION OF THE WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED.
   B. PERIODIC INSPECTION: PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA HAS BEEN OR IS BEING, PERFORMED AND AT THE COMPLETION OF THE WORK. THE TERM PERIODIC MEANS THAT THE CONTINUOUS PRESENCE OF A SPECIAL INSPECTOR IS NOT REQUIRED, BUT IT DOES NOT NECESSARILY INDICATE THAT FEWER THAN 100% OF ITEMS MARKED FOR PERIODIC INSPECTION REQUIRE INSPECTION. SEE THE PROJECT SPECIFICATIONS FOR TESTING AND INSPECTION QUANTITIES AND PERCENTAGES. PERIODIC INSPECTIONS SHALL OCCUR NO LESS THAN ONCE PER WEEK DURING THE PROGRESS OF THE WORK BEING REVIEWED BUT SHALL BE MORE OFTEN IF REQUIRED TO SATISFY THE PROJECT PROGRESS AND INSPECTION REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS AND HEREIN.

STATEMENT OF SPECIAL INSPECTIONS - SOILS & FOUNDATION

ITEM	AGENCY # (QUALIFICATION)	SCOPE
1. SHALLOW FOUNDATIONS	NICET-GET OR EIT OR GIT OR SCRG	INSPECT SOILS BELOW FOOTINGS FOR ADEQUATE BEARING CAPACITY, ELEVATION, AND CONSISTENCY WITH GEOTECHNICAL REPORT. * INSPECTION FREQUENCY: PERIODIC INSPECT REMOVAL OF UNSUITABLE MATERIAL AND PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL.
2. CONTROLLED STRUCTURAL FILL	NICET-GET OR EIT OR GIT OR SCRG	PERFORM SIEVE TESTS (ASTM D422 & D1140) AND MODIFIED PROCTOR TESTS (ASTM D1557) OF EACH SOURCE OF FILL MATERIAL. INSPECT PLACEMENT, LIFT THICKNESS AND COMPACTION OF CONTROLLED FILL. TEST DENSITY OF EACH LIFT OF FILL BY NUCLEAR METHODS (ASTM D2922) AND EVALUATE FOR COMPLIANCE. VERIFY EXTENT AND SLOPE OF FILL PLACEMENT. * INSPECTION FREQUENCY: CONTINUOUS
3. EVALUATION OF IN-PLACE DENSITY	NICET-GET OR EIT OR GIT OR SCRG	TEST DENSITY AND EVALUATE FOR COMPLIANCE. * INSPECTION FREQUENCY: PERIODIC
4. SITE PREPARATION	NICET-GET OR EIT OR GIT OR SCRG	VERIFY SITE PREPARATION COMPLIES WITH APPROVED SOIL REPORT. * INSPECTION FREQUENCY: PERIODIC
5. RAMMED AGGREGATE PIERS	NICET-GET OR EIT OR GIT OR SCRG	VERIFY/INSPECT/MONITOR INSTALLTION OF RAMMED AGGREGATE PIERS * INSPECTION FREQUENCY: CONTINUOUS

STATEMENT OF SPECIAL INSPECTIONS - CAST-IN-PLACE CONCRETE

ITEM	AGENCY # (QUALIFICATION)	SCOPE
1. MIX DESIGN	ACI-CFTT OR ICC-RCSI OR EIT	REVIEW CONCRETE BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THE MIX DESIGN. * INSPECTION FREQUENCY: CONTINUOUS
1. MATERIAL CERTIFICATION	ACI-CFTT OR ICC-RCSI OR EIT	REVIEW MILL AND PRODUCT CERTIFICATIONS FOR MATERIALS ON SITE FOR COMPLIANCE WITH SPECIFICATION AND APPROVED SUBMITTALS * INSPECTION FREQUENCY: PERIODIC
3. REINFORCEMENT INSTALLATION	ACI-CFTT OR ICC-RCSI OR EIT	INSPECT SIZE, SPACING, COVER, POSITIONING, LAP LENGTH, AND GRADE OF REINFORCING STEEL. VERIFY THAT REINFORCING BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. INSPECT BAR LAPS AND MECHANICAL SPLICES. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS. * INSPECTION FREQUENCY: PERIODIC
4. POST-TENSIONING OPERATIONS	N/A	
5. WELDING OF REINFORCING	N/A	
6. ANCHOR RODS	ACI-CFTT OR ICC-RCSI OR EIT	INSPECT SIZE, POSITIONING AND EMBEDMENT OF ANCHOR RODS. INSPECT CONCRETE PLACEMENT AND CONSOLIDATION AROUND ANCHORS. * INSPECTION FREQUENCY: CONTINUOUS
7. CONCRETE PLACEMENT	ACI-CFTT OR ICC-RCSI OR EIT	INSPECT PLACEMENT OF CONCRETE. VERIFY THAT CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED. * INSPECTION FREQUENCY: CONTINUOUS
8. SAMPLING AND TESTING OF CONCRETE	ACI-CFTT ACI-STT	TEST CONCRETE COMPRESSIVE STRENGTH (ASTM C31 & C39), SLUMP (ASTM C143), AIR-CONTENT (ASTM C231 OR C173) AND TEMPERATURE (ASTM C1064). * INSPECTION FREQUENCY: CONTINUOUS
9. CURING AND PROTECTION	ACI-CFTT OR ICC-RCSI OR EIT	INSPECT CURING, COLD WEATHER PROTECTION AND HOT WEATHER PROTECTION PROCEDURES. * INSPECTION FREQUENCY: PERIODIC
10. FORMWORK	ACI-CFTT OR ICC-RCSI OR EIT	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED. * INSPECTION FREQUENCY: PERIODIC

STATEMENT OF SPECIAL INSPECTIONS - EPOXY ANCHORS

ITEM	AGENCY # (QUALIFICATION)	SCOPE
1. MATERIAL CERTIFICATION	AWS/AISC-SSI OR ICC-SWSI	INSPECT THREADED ROD FOR SIZE, LENGTH AND MATERIAL. INSPECT EPOXY MATERIALS FOR PRODUCT, APPLICATORS AND EXPIRATION. * INSPECTION FREQUENCY: PERIODIC
2. DRILLING	AWS/AISC-SSI OR ICC-SWSI	VERIFY EMBEDMENT DEPTH (TO COORDINATE WITH CONTRACT DOCUMENTS AND MANUFACTURER'S REQUIREMENTS). SPACING, EDGE DISTANCE AND SUBSTRATE. * INSPECTION FREQUENCY: PERIODIC
3. CLEANING	AWS/AISC-SSI OR ICC-SWSI	VERIFY INSTALLERS ARE CERTIFIED BY MANUFACTURER. INSPECT CLEANING OF HOLES AND MOISTURE PRESENT. * INSPECTION FREQUENCY: CONTINUOUS
4. INSTALLATION	AWS/AISC-SSI OR ICC-SWSI	VERIFY ADEQUATE MIXING OF EPOXY MATERIALS, FILLING OF HOLES AND INSTALLATION OF THREADED RODS. VERIFY ADEQUATE CURE TIME AND TIGHTENING TORQUE. * INSPECTION FREQUENCY: CONTINUOUS

STATEMENT OF SPECIAL INSPECTIONS - STEEL

ITEM	AGENCY # (QUALIFICATION)	SCOPE
1. FABRICATOR CERTIFICATION/ QUALITY CONTROL PROCEDURES NOTE: PER NCBC 2012-1704.2.2 SPECIAL INSPECTIONS ARE NOT REQUIRED FOR APPROVED FABRICATORS. APPROVED FABRICATORS ARE DETERMINED BASED ON SECTION 1704.2.1 AND INCLUDE AISC CERTIFIED PLANTS FOR BUILDINGS AND ISO 9000 AUDITED FACILITIES	AWS/AISC-SSI OR ICC-SWSI	REVIEW SHOP FABRICATION AND QUALITY CONTROL PROCEDURES. * INSPECTION FREQUENCY: PROCEDURES, WORKMANSHIP, QUALITY CONTROL, PRODUCT DOCUMENTATION - PERIODIC * INSPECTION FREQUENCY: WELDING - PERIODIC AND CONTINUOUS, SEE SPECIFICATION 05120 FABRICATORS APPROVED IN ACCORDANCE WITH 1704.2.2 SHALL PERFORM ALL AWS AND PROJECT CONTRACT SPECIFIED SHOP WELD INSPECTIONS IN-HOUSE USING QUALIFIED. THESE TESTING REPORTS WILL BE MADE AVAILABLE TO THE EOR AND OWNER FOR REVIEW OF COMPLIANCE. AT THE CONCLUSION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
2. MATERIAL CERTIFICATION	AWS/AISC-SSI OR ICC-SWSI	REVIEW CERTIFIED MILL TEST REPORTS AND IDENTIFICATION MARKINGS ON WIDE-FLANGE SHAPES, HIGH-STRENGTH BOLTS, NUTS, WELDING ELECTRODES, AND METAL DECK. REVIEW MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR HIGH STRENGTH BOLTS AND WELDING ELECTRODES. * INSPECTION FREQUENCY: PERIODIC
3. OPEN WEB STEEL JOISTS	N/A	
4. BOLTING	AWS/AISC-SSI OR ICC-SWSI	INSPECT INSTALLATION AND TIGHTENING OF HIGH-STRENGTH BOLTS. VERIFY THAT SPLINES HAVE SEPARATED FROM TENSION CONTROL BOLTS. VERIFY PROPER TIGHTENING SEQUENCE. * INSPECTION FREQUENCY: PERIODIC (SEE SPECIFICATION 052100) * INSPECTION FREQUENCY: CONTINUOUS FOR BOLTS IN SLIP CRITICAL CONNECTIONS
5. WELDING	ICC-SWSI & AWS-CWI ASNT (WHERE NDT IS REQUIRED)	VISUALLY INSPECT ALL WELDS. INSPECT PRE-HEAT, POST-HEAT AND SURFACE PREPARATION BETWEEN PASSES. VERIFY SIZE AND LENGTH OF FILLET WELDS. ULTRASONIC TESTING OF ALL FULL-PENETRATION WELDS. * INSPECTION FREQUENCY: PERIODIC (SEE SPECIFICATION 052100 AND IBC TABLE 1704.3) FOR ALL SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16 IN. * INSPECTION FREQUENCY: CONTINUOUS (SEE SPECIFICATION 052100 AND IBC TABLE 1704.3) FOR ALL PARTIAL AND FULL PENETRATION WELDS, MULTIPASS FILLET WELDS AND FILLET WELDS OVER 5/16 IN.
6. SHEAR CONNECTORS	ICC-SWSI OR AWS-CWI	INSPECT SIZE, NUMBER, POSITIONING AND WELDING OF SHEAR CONNECTORS. INSPECT STUDS FOR FULL 360 DEGREE FLASH. RING TEST ALL SHEAR CONNECTORS WITH A 3 LB HAMMER. BEND TEST ALL QUESTIONABLE STUDS TO 15 DEGREES. * INSPECTION FREQUENCY: PERIODIC (SEE SPECIFICATION 053100)
7. STRUCTURAL DETAILS	PE/SE OR AWS/AISC-SSI OR ICC-SWSI	INSPECT STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS. INCLUDING BRACING, MEMBER CONFIGURATION/LOCATION, AND CONNECTION DETAILS. * INSPECTION FREQUENCY: PERIODIC
8. METAL DECK	ICC-SWSI OR AWS-CWI	INSPECTION OF FLOOR DECK WELDS AND ROOF DECK WELDS. * INSPECTION FREQUENCY: PERIODIC
9. OTHER	N/A	

STATEMENT OF SPECIAL INSPECTIONS - MASONRY

ITEM	AGENCY # (QUALIFICATION)	SCOPE
1. INSPECTION COMPLIANCE	ICC-SMSI OR EIT	COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED. * INSPECTION FREQUENCY: PERIODIC
2. MATERIALS	ICC-SMSI OR EIT	INSPECT PROPORTIONING, MIXING AND RETEMPERING OF MORTAR AND GROUT. VERIFY F'm PRIOR TO CONSTRUCTION AND FOR EVERY 5000SF DURING CONSTRUCTION. * INSPECTION FREQUENCY: PERIODIC
3. INSTALLATION OF MASONRY	ICC-SMSI OR EIT	INSPECT SIZE, LAYOUT BONDING AND PLACEMENT OF MASONRY UNITS. * INSPECTION FREQUENCY: PERIODIC
4. MORTAR JOINTS	ICC-SMSI OR EIT	INSPECT CONSTRUCTION OF MORTAR JOINTS INCLUDING LOCATION. TOOLING AND FILLING OF HEAD JOINTS * INSPECTION FREQUENCY: PERIODIC
5. REINFORCEMENT INSTALLATION	ICC-SMSI OR EIT	INSPECT SIZE, PLACEMENT POSITIONING AND LAPPAING OF REINFORCING STEEL. * INSPECTION FREQUENCY: PERIODIC
6. PRESTRESSED MASONRY	N/A	
7. GROUTING OPERATIONS	ICC-SMSI OR EIT	INSPECT PLACEMENT AND CONSOLIDATION OF GROUT, INSPECT MASONRY CLEAN-OUTS FOR HIGH- LIFT GROUTING. PRIOR PRIOR TO GROUTING VERIFY GROUT SPACE IS CLEAN AND THAT GROUT PLACEMENT COMPLIES WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS. * INSPECTION FREQUENCY: CONTINUOUS
8. WEATHER PROTECTION	ICC-SMSI OR EIT	INSPECT COLD WEATHER PROTECTION AND HOT WEATHER PROTECTION PROCEDURES. VERIFY THAT WALL CAVITIES ARE PROTECTED AGAINST PRECIPITATION. * INSPECTION FREQUENCY: CONTINUOUS
9. EVALUATION OF MASONRY STRENGTH	ICC-SMSI OR EIT	TEST COMPRESSIVE STRENGTH OF MORTAR AND GROUT CUBE SAMPLES(ASTM (C780). TEST COMPRESSIVE STRENGTH OF MASONRY PRISMS (ASTM C1314). * INSPECTION FREQUENCY: CONTINUOUS
10. ANCHORS AND TIES	ICC-SMSI OR EIT	INSPECT SIZE, LOCATION, SPACING AND EMBEDMENT OF DOWELS, ANCHORS AND TIES. * INSPECTION FREQUENCY: CONTINUOUS

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PROJECT INFORMATION
Project Number
R23.0309.00
Client Name
YORK COUNTY
Project Name
CORONER'S FACILITY - YCE PROJECT #20312
Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE
#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
Consulting Structural Engineers
30 Patewood Drive, Suite 100
Greenville, S.C. 29615
(864) 331-1201

PROFESSIONAL STAMPS
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 16719
MICHAEL M. SIMPSON
8/27/2024
SOUTH CAROLINA
MICHAEL M. SIMPSON & ASSOCIATES, INC.
No. C02038
CERTIFICATE OF AUTHORIZATION

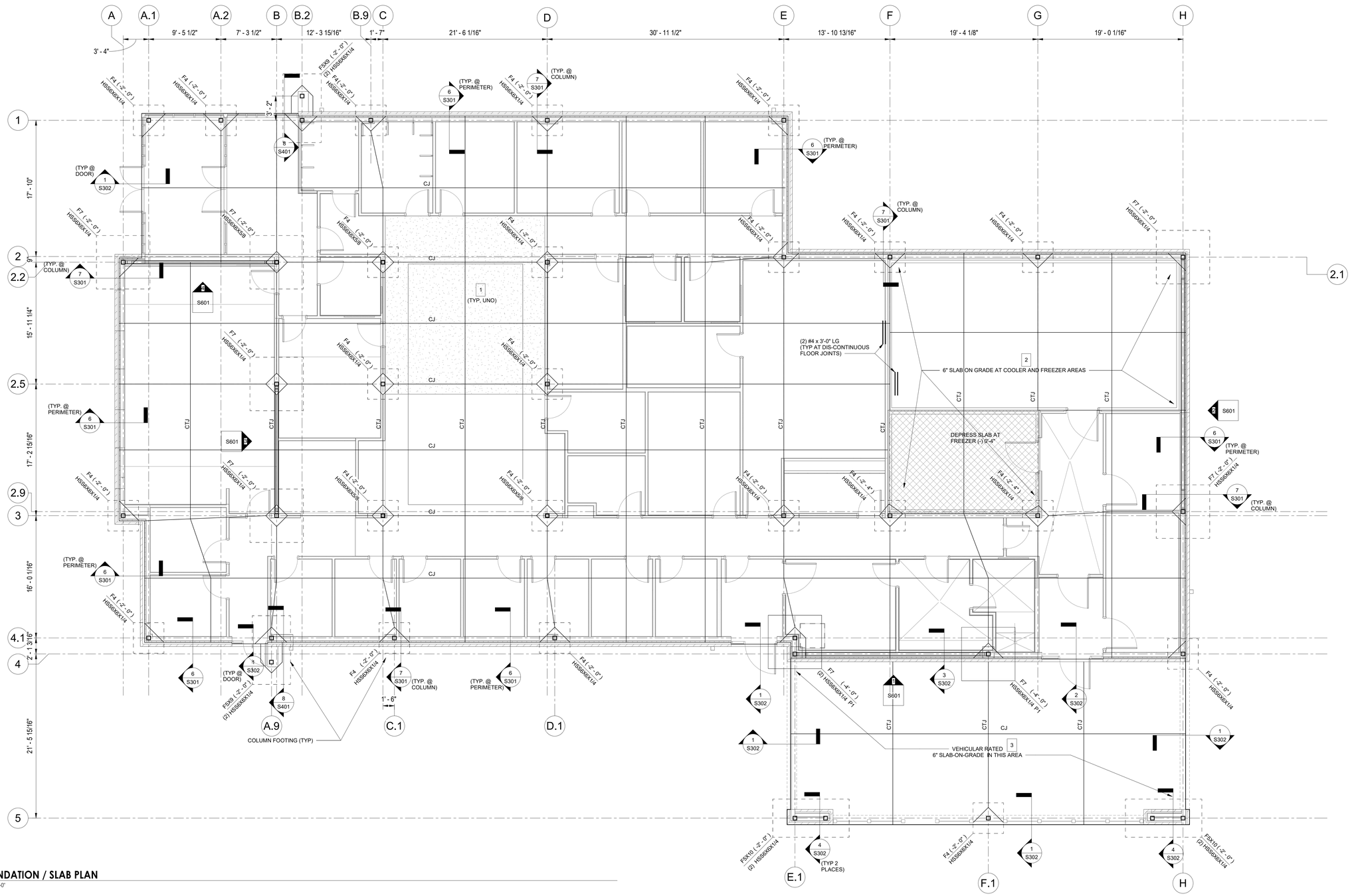
SHEET INFORMATION
Issued: 08/27/2024
Scale: 12" = 1'-0"
Project Status: 100% Construction Documents
Drawn By: JDS
Checked By: MMS
Drawing Title: SPECIAL INSPECTIONS
Drawing Number: S003

8/27/2024 8:54:55 PM

NOTE:
THE BUILDING SHALLOW FOUNDATION DESIGN IS BASED ON GEOTECTNICAL GROUND IMPROVEMENT RECOMMENDATIONS TO REDUCE STATIC POST-CONSTRUCTION SETTLEMENT MITIGATION. SITE PREPARATION AND CONTROLLED FILL RECOMMENDATIONS ARE FOLLOWED SEE GEOTECHNICAL REPORT.

STONE COLUMNS (AGGREGATE PIER) GROUND IMPROVEMENT THE BUILDING FOOTPRINT TO REDUCE STATIC POST-CONSTRUCTION SETTLEMENT DESIGN CRITERIA

THE STONE COLUMN (AGGREGATE PIER) SYSTEM PLACED BENEATH THE COLUMNS AND WALL FOOTINGS SHALL BE DESIGNED IN ACCORDANCE WITH SPECIFICATION SECTION, THE GENERAL NOTES AND THE FINAL GEOTECHNICAL REPORT. SEE CIVIL DRAWINGS FOR EXISTING AND NEW UTILITIES. THE AGGREGATE PIERS SHOULD AVOID EXISTING UTILITIES OR ALLOW THEM TO BE INSTALLED. THE CONTRACTOR SHALL COORDINATE ACCORDINGLY. FOR BID PROPOSAL, THE CONTRACT SHALL ASSUME AGGREGATE PIERS INSTALLED TO A DEPTH OF 15'-0" MEASURED FROM ORIGINAL GRADE. SEE GEOTECH REPORT DATED DECEMBER 21, 2022 PREPARED BY ESP ASSOCIATES, INC. (PROJECT NO. E4-KW23.300



1 / S101 FOUNDATION / SLAB PLAN

3/16" = 1'-0"

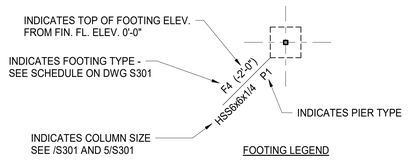
BUILDING FINISH FLOOR EL. 0'-0" (U.N.O.) + DATUM EL. 613.75' (SEE CIVIL/LANDSCAPING DWG)

1. SLAB-ON-GRADE = 4" CONCRETE SLAB REINF. W/ WWF 6x6xW2.9xW2.9 OVER 15 MIL VAPOR BARRIER AND 4" - #57 STONE BASE. (TYP, U.N.O.)
2. SLAB-ON-GRADE = 6" CONCRETE SLAB REINF. W/ WWF 6x6xW2.9xW2.9 OVER 15 MIL VAPOR BARRIER AND 4" - #57 STONE BASE.
3. VEHICULAR RATED - SLAB-ON-GRADE = 6" CONCRETE SLAB REINF. W/ #3@12" OC (EACH WAY) OVER 15 MIL VAPOR BARRIER AND 4" - #57 STONE BASE.

^ ~ - INDICATES VERTICAL HSS BRACING, SEE DRAWING S601
CJ - INDICATES CONSTRUCTION JOINT, SEE DETAIL 1/S301
CTJ - INDICATES CONTROL JOINT, SEE DETAIL 1/S301
$ - INDICATES STEPPED FOOTING, SEE DETAIL 2/S301
FD - INDICATES FLOOR DRAIN. SEE NOTE 10

NOTES:

1. SEE DRAWING S001 - S003 FOR GENERAL NOTES AND BASIS OF DESIGN.
2. SEE ARCH. DRAWINGS FOR ALL BUILDING/WALL PLAN DIMENSIONS NOT SHOWN ON STRUCTURAL DWGS.
3. SEE ARCH. DRAWINGS FOR SLAB EDGE DIMENSIONS.
4. ALL FOOTINGS SHALL BE CENTERED ON COLUMNS, U.N.O.
5. CONTINUOUS WALL FOOTING REINFORCEMENT AND TURNED DOWN GRADE BEAMS, LONG-WAY BARS, SHALL BE CONTINUOUS THRU COLUMN FOOTINGS. DO NOT CONTINUE REINFORCING THROUGH COLUMN ISOLATION JOINT / ENCASEMENT.
6. WHERE CONTINUOUS FOOTINGS OF DIFFERENT SIZES MERGE TOGETHER, THE SMALLER FOOTING LONG-WAY BARS SHALL EXTEND, (TENSION LAP SPLICE), INTO THE LARGER FOOTING.
7. COORDINATE ALL SLAB RECESS LOCATIONS, SIZE AND DEPTHS W/ ARCH. DWGS. SEE DETAIL 4/S301.
8. SEE PLUMBING DRAWINGS FOR ADD'L INFORMATION.
9. PLACE CJ AT INTERIOR/EXTERIOR SLAB TRANSITION LOCATIONS.
10. SLOPE SLAB TO DRAINS (MIN. 1/8" SLOPE). COORDINATE WITH ARCH., ELECTRICAL AND PLUMBING DRAWINGS (SEE 10/S301 FOR SLAB PENETRATION DETAILS)
11. FOR TYPICAL SLEEVE DETAIL THRU THICKENED SLAB AND UNDER TURNDOWN SEE DETAILS 5/S302 AND 6/S302.
12. FOR PLAN DETAILS AT FOOTINGS / TURNDOWN SLABS SEE DETAIL 7/S302



FOOTING LEGEND

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York County South Carolina

PROJECT INFORMATION

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PROJECT #20312

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PROFESSIONAL STAMPS

SHEET INFORMATION

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Drawn By	Checked By
JDS	MMS

Drawing Title
FOUNDATION / SLAB PLAN

Drawing Number
S101

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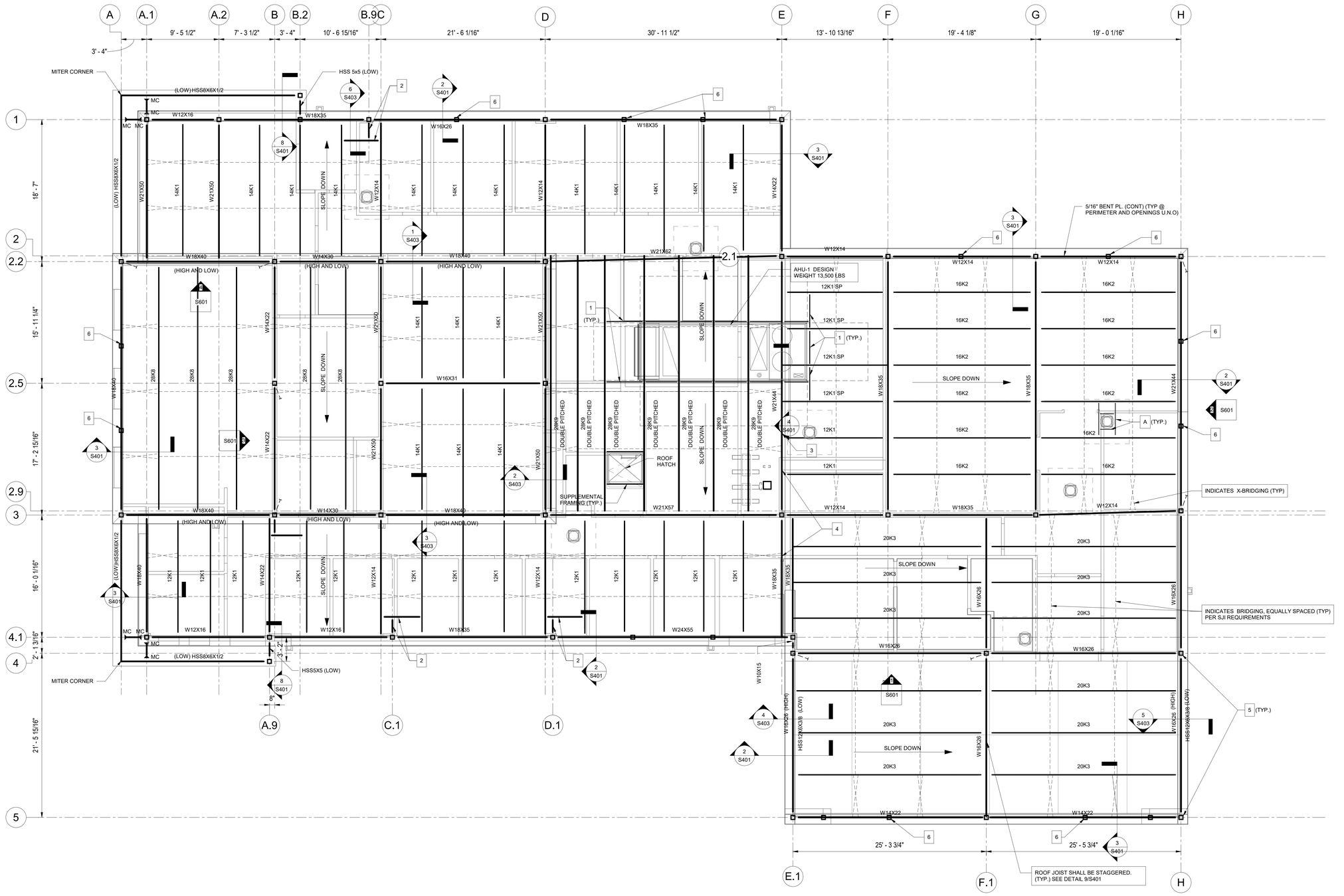

1 S201 ROOF FRAMING PLAN

3/16" = 1'-0"

T/STL ELEV. = VARIES

ALL ROOF FRAMING CONSTRUCTION IS STEEL JOIST WITH 1 1/2", 22 GAGE GALV. METAL DECK (TYP, UNO).

NOTE: ALL JOIST SPACED AT 5'-6" O.C. MAX (TYP, U.N.O)

MC - FULL MOMENT CONNECTION

SP - INDICATES SPECIAL JOIST. JOIST MANUFACTURER SHALL DESIGN FOR A MAX TOP CHORD NON-PANEL POINT LOAD OF 1000 LBS. OR LOAD AS INDICATED(AT TWO LOCATIONS) ANYWHERE WITHIN THE MECHANICAL UNIT. SEE DRAWING S401 FOR FRAMED OPENING DETAIL 6/S401. CONTRACTOR SHALL COORDINATE MECHANICAL CURB SUPPPORT SYSTEM FOR SELECTED EQUIPMENT. USE L5 x 5 x 3/8"(SLV) (U.N.O) BETWEEN JOIST FOR CURB SUPPORT AS REQUIRED BY SELECTED CURB AND FOR ROOF OPENINGS. CONTRACTOR SHALL DESIGN ROOF TOP MECHANICAL CURB SUPPORT FOR SELECTED EQUIPMENT. CURBS RUNNING PARALLEL TO JOISTS ALWAYS REQUIRE SUBFRAMING UNLESS CURB IS OVER WALL OF JOIST. LM NOTED ON PLAN IS L5 x 5 x 3/8"

NOTES:
1. SEE S0.01 & S0.02 FOR GENERAL NOTES AND BASIS OF DESIGN
2. SEE ARCH. DWGS. FOR ALL BUILDING/WALL PLAN DIMENSIONS NOT SHOWN.

ROOF FRAMING PLAN NOTES:
1. SEE S001, S002 AND S003 FOR GENERAL NOTES AND BASIS OF DESIGN
2. SEE ARCH. DWGS. FOR ALL BUILDING/WALL PLAN DIMENSIONS NOT SHOWN.
3.SEE DETAIL 6/S401 FOR TYPICAL SUPPLEMENTAL FRAMING
4. SEE DETAIL 9/S401 FOR STAGGERED JOIST SUPPORTS AT STEEL BEAM
5. EDGE ANGLE OF ROOF DECK NOT SHOWN FOR CLARITY. ANGLE IS PRESENT AT ALL ROOF EDGES AND OPENINGS. SEE DETAIL 1/S402

A INDICATES ROOF FRAME TYP. AT ALL ROOF TOP EQUIPMENT SUPPORT AND ROOF OPENING SUPPORT. SEE 6/S401 FOR ADDITIONAL INFORMATION. DIMENSIONS/LOCATIONS TO BE COORDINATED WITH EQUIPMENT/OPENINGS SELECTED. DETAIL IS APPLICABLE TO ALL OTHER ROOF OPENINGS. (INCLUDING ROOF ACCESS DOOR AND ROOF PIPE PENETRATIONS. SEE ARCH DRAWINGS)

PLAN NOTE LEGEND:

1. SUPPLEMENTAL STEEL. SEE DETAIL 6/S401
2. HSS3x3x1/4 STRUT
3. INDICATES A ROOF BEAM THAT INCURS A CHANGE IN ROOF SLOPE THAT IS TO BE FULL PENETRATION WELDED. SEE DETAIL 4/S401.
4. ADD HSS3.5x2.5x1/4 CONT. BETWEEN JOISTS FOR CHANGE IN ROOF DECK SPAN DIRECTION
5. ALL PERIMETER STEEL COLUMNS SHALL EXTEND ABOVE ROOF DECK FOR PARAPET FRAMING
6. INDICATES HSS 6x6 POSTS INSIDE COLD FORM METAL STUD WALL FOR PARAPET SUPPORT (TYP.)

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York County South Carolina

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PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER MICHAEL M. SIMPSON NO. 16713 8/27/2024

MICHAEL M. SIMPSON & ASSOCIATES, INC. No. C02038 CERTIFICATE OF AUTHORIZATION

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated

Project Status
100% Construction Documents

Drawn By	Checked By
JDS	MMS

Drawing Title
ROOF FRAMING PLAN

Drawing Number
S201

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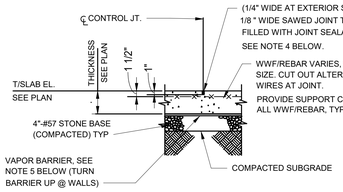
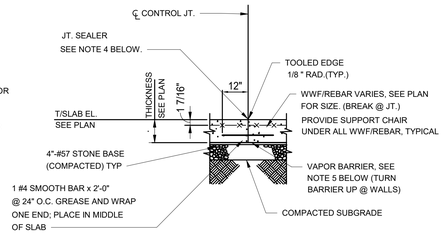


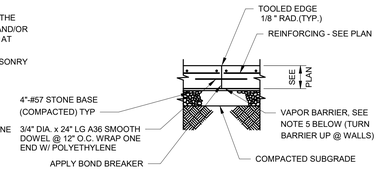
TYPICAL CONTROL JOINT = CTJ



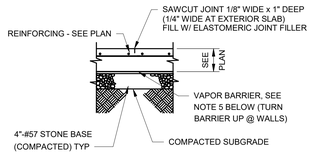
TYPICAL CONSTRUCTION JOINT = CJ

NOTES:

1. CONSTRUCTION AND/OR CONTROL JOINTS ARE INTERCHANGEABLE AT THE CONTRACTOR'S OPTION. SEE PLANS FOR LAYOUT OF CONSTRUCTION AND/OR CONTROL JOINTS. JOINTS (20' ON CENTER MAXIMUM), JOINTS LOCATED AT COLUMN CENTER LINES ARE CONSIDERED OPTIMUM.
2. DO NOT LOCATE CONSTRUCTION AND/OR CONTROL JOINTS BELOW MASONRY WALLS.
3. SAW CUTTING OF JOINTS SHALL BE AS SOON AS THE CONCRETE SETS SUFFICIENTLY TO PERMIT CUTTING WITHOUT CHIPPING SPALLING OR TEARING, BUT NOT MORE THAN 24 HOURS AFTER PLACING.
4. JOINT FILLER/SEALER SHALL BE AN ELASTOMERIC JOINT (POLYURETHANE POURABLE SEALANT) PER ASTM C920-87. (AIR TIGHT FOR RADON ELIMINATION SYSTEM).
5. VAPOR BARRIER SHALL BE 15 MIL POLYETHELYNE SHEETING OR EQUIVALENT (INSTALL PER ASTM E-1643)



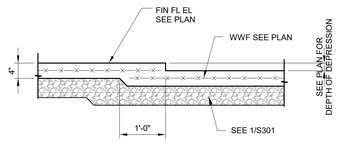
CONSTRUCTION JOINT = CJ



CONTROL JOINT = CTJ

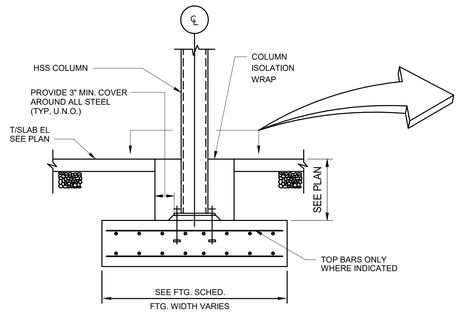
1 S301 S.O.G JOINT DETAIL

3/4" = 1'-0"



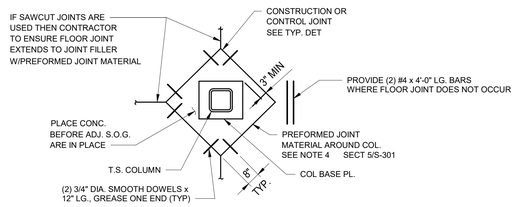
4 S301 SECTION @ SLAB DEPRESSION

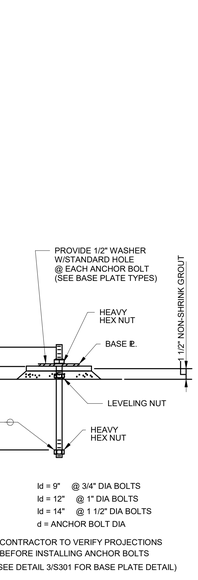
3/4" = 1'-0"



5 S301 TYP. S.O.G JOINT DETAIL

3/4" = 1'-0"





7 S301 TYP. SECTION @ COLUMN

3/4" = 1'-0"

ld = 9" @ 3/4" DIA BOLTS
ld = 12" @ 1" DIA BOLTS
ld = 14" @ 1 1/2" DIA BOLTS
d = ANCHOR BOLT DIA

CONTRACTOR TO VERIFY PROJECTIONS BEFORE INSTALLING ANCHOR BOLTS
(SEE DETAIL 3/S301 FOR BASE PLATE DETAIL)

8 S301 TYP ANCHOR BOLT DETAIL

3/4" = 1'-0"

** REINFORCING SCHEDULE FOR ISLOATED FOOTINGS

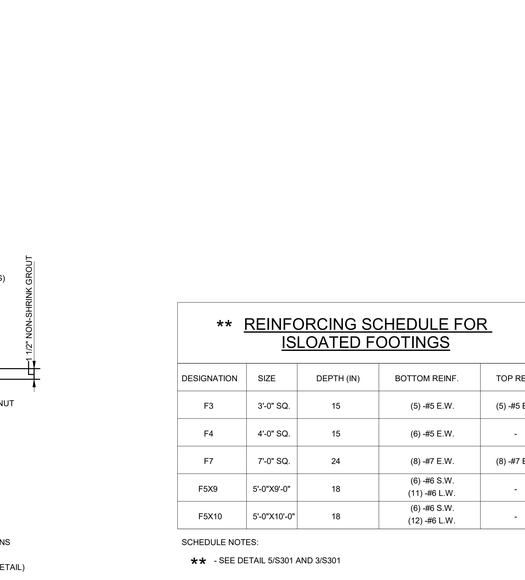
DESIGNATION	SIZE	DEPTH (IN)	BOTTOM REINF.	TOP REINF.
F3	3'-0" SQ.	15	(5) -#5 E.W.	(5) -#5 E.W.
F4	4'-0" SQ.	15	(6) -#5 E.W.	-
F7	7'-0" SQ.	24	(8) -#7 E.W.	(8) -#7 E.W.
F5X9	5'-0"X9'-0"	18	(6) -#6 S.W. (11) -#6 L.W.	-
F5X10	5'-0"X10'-0"	18	(6) -#6 S.W. (12) -#6 L.W.	-

SCHEDULE NOTES:

** - SEE DETAIL 5/S301 AND 3/S301

9 S301 REINFORCING SCHEDULE FOR SQUARE FOOTINGS

1 1/2" = 1'-0"

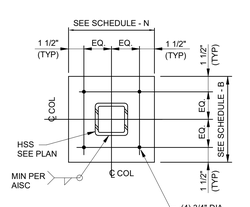


NOTES:

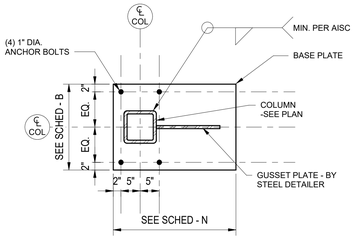
1) S MAX = 2'-0" (SEE PLAN FOR ELEVATION)
2) REINFORCING NOT SHOWN FOR CONCRETE AND CMU WALL. SEE TYP. DETAILS.

2 S301 TYP STEPPED FOOTING DETAIL

3/4" = 1'-0"



BASE PLATE TYPE "A"



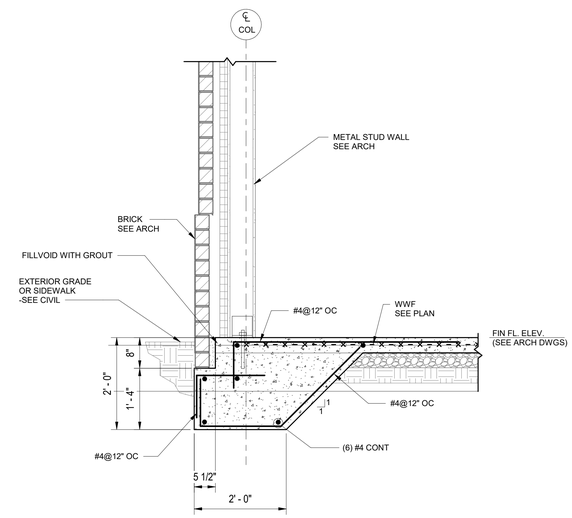
BASE PLATE TYPE "B"

BASE PLATE SCHEDULE			
COLUMN SIZE	WIDTH (IN.) B	LENGTH (IN.) N	THICKNESS (IN.) TP
HSS 6x6	14	14	3/4"
HSS 6x6 (AT VERTICAL BRACING)	14	24	1 1/2"

(SEE DETAIL 8/S301 FOR ANCHOR BOLT DETAIL)

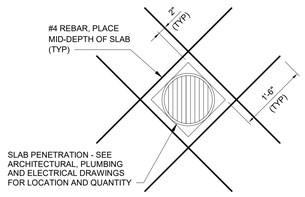
3 S301 BASE PLATE TYPES

3/4" = 1'-0"



6 S301 TYP. SECTION @ PERIMETER

3/4" = 1'-0"



TYPICAL SLAB PENETRATION REINFORCING DETAIL

10 S301 DETAIL

3/4" = 1'-0"

8/27/2024 8:54:57 PM

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York County South Carolina

PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
Consulting Structural Engineers
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PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER MICHAEL M. SIMPSON No. 16718 8/27/2024

SOUTH CAROLINA MICHAEL M. SIMPSON & ASSOCIATES, INC No. C02038 CERTIFICATE OF AUTHORIZATION

SHEET INFORMATION

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MMS

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SECTIONS AND DETAILS

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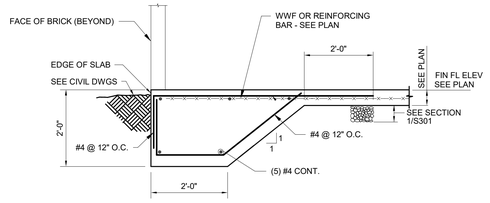
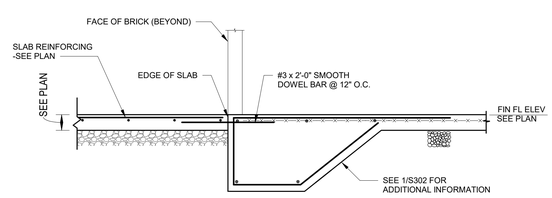
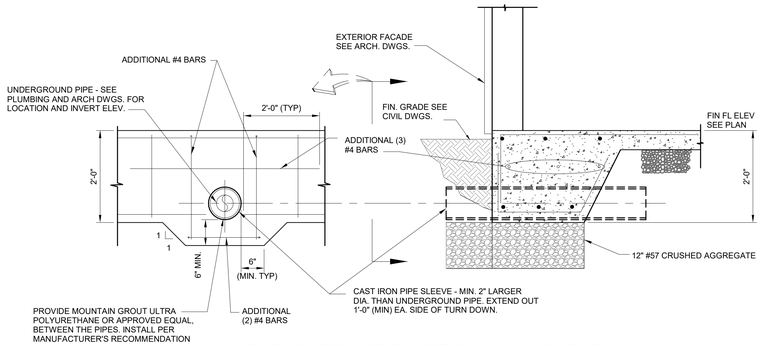


1 S302 **TYPICAL SECTION AT DOOR**
3/4" = 1'-0"



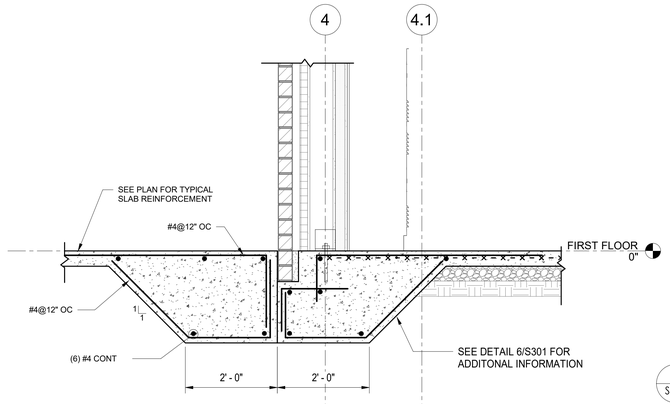
2 S302 **SECTION**
3/4" = 1'-0"



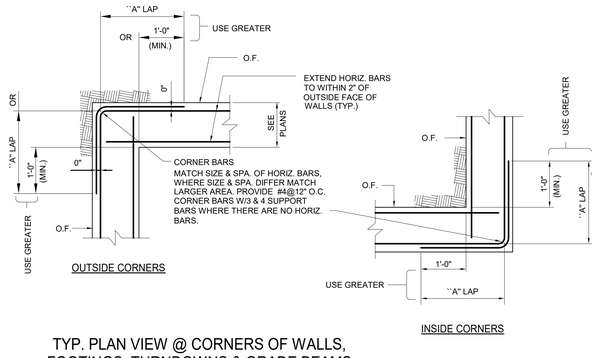
PIPE SLEEVE REQUIRED THRU INTERIOR AND EXTERIOR TURN DOWN SLAB CONDITION (TYP)

5 S302 **TYPICAL SLEEVE DETAIL THRU THICKENED SLAB**
3/4" = 1'-0"

6 S302 **TYPICAL SLEEVE DETAIL UNDER TURNDOWN**
3/4" = 1'-0"

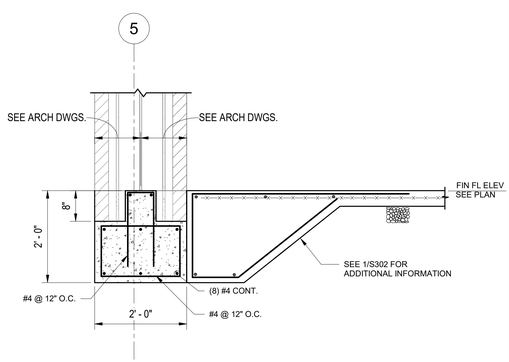


3 S302 **SECTION**
3/4" = 1'-0"



TYP. PLAN VIEW @ CORNERS OF WALLS, FOOTINGS, TURNDOWNS & GRADE BEAMS

7 S302 **DETAIL**
3/4" = 1'-0"



4 S302 **SECTION**
3/4" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
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PROFESSIONAL STAMPS

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3/4" = 1'-0"

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MMS

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SECTIONS AND DETAILS

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S302

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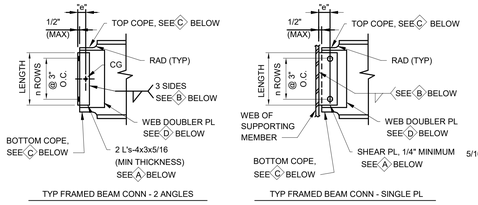


TYP FRAMED BEAM CONN - 2 ANGLES

TYP FRAMED BEAM CONN - SINGLE PL

NOTES:

1. CONNECTIONS ABOVE ARE FOR PICTORIAL REPRESENTATION ONLY AND MAY NOT BE INCLUSIVE. WEB EXTENSION PLATES, STIFFENERS, ETC SHALL BE ADDED TO FACILITATE CONNECTION LENGTH REQUIRED @ NO ADDITIONAL COST.
2. FOR BEAMS W/ AXIAL FORCES (PRYING ACTION), SEE NOTE 6.0 ON SHT S001.
3. CONNECTIONS ABOVE SHALL BE DESIGNED TO DEVELOP A MIN END REACTION OF 12K.
4. CONNECTIONS SHALL BE DESIGNED SUCH THAT ALL ADDITIONAL STRESSES DUE TO ECCENTRICITY SHALL BE DEVELOPED BY THE CONNECTION AND NOT INDUCE ANY ADDITIONAL STRESSES INTO SUPPORTING MEMBERS.
5. IN ADDITION TO THE REACTION INDICATED, WEB BOLTS MUST BE DESIGNED FOR THE MOMENT IN THE BOLT GROUP CREATED AS A RESULT OF THE FORCE TRANSFER FROM THE CONNECTING MEMBER TO THE SUPPORTING MEMBER.

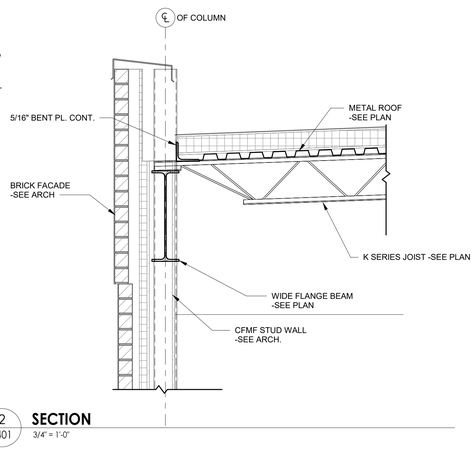
A THICKNESS AND LENGTH OF ANGLES OR SHEAR PLATE AND NUMBER OF BOLTS SHALL BE DESIGNED FOR THE REACTION INDICATED USING THE CORRESPONDING "e" DISTANCE CALCULATED FOR THE CONNECTION LAYOUT AND VERIFYING ALL APPLICABLE LIMIT STATES.

B LENGTH AND SIZE OF WELD SHALL BE DESIGNED FOR THE REACTION INDICATED INCLUDING ANY ADDITIONAL STRESS/MOMENTS CREATED IN THE LOAD TRANSFER FORM THE CONNECTING MEMBER TO THE SUPPORTING MEMBER.

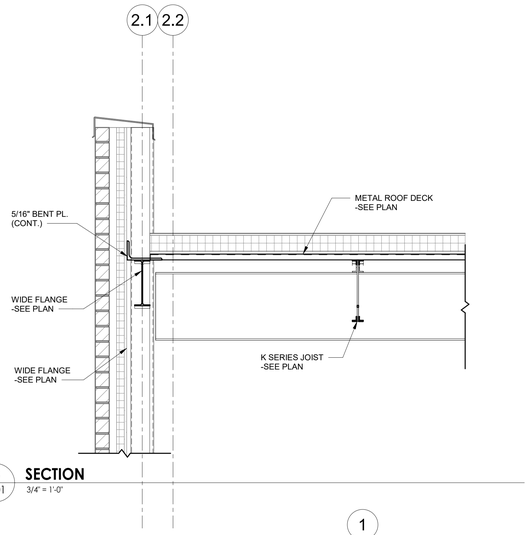
C BEAM COPES SHALL BE PROVIDED AS NECESSARY TO FACILITATE CONNECTION FIT-UP. CAPACITIES OF MEMBERS W/ COPES (TOP OR TOP & BOTTOM) SHALL BE ANALYZED TO DETERMINE THE CRITICAL LIMIT STATE DUE TO THE REDUCED SECTION INCLUDING BUT NOT LIMITED TO BUCKLING OR YIELDING OF THE WEB.

D WEB DOUBLER PLATES OR STIFFENERS (NOT SHOWN) SHALL BE PROVIDED AS NECESSARY TO DEVELOP THE REACTION INDICATED AND FOR REGIONS OF OVER-STRESS AS DESCRIBED IN C ABOVE.

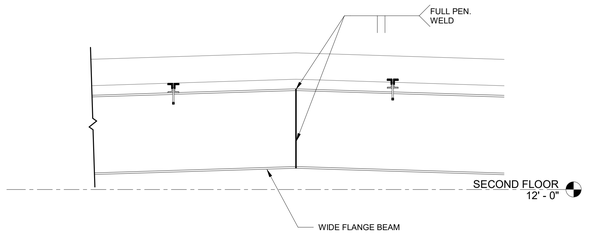
1 S401 TYP STANDARD FRAMING DETAIL
3/4" = 1'-0"



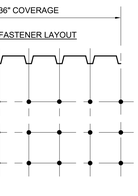
2 S401 SECTION
3/4" = 1'-0"



3 S401 SECTION
3/4" = 1'-0"



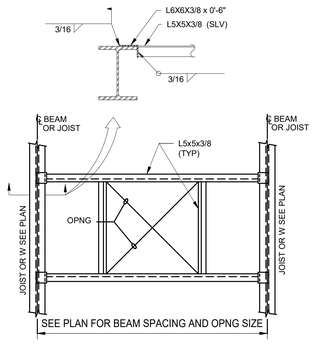
4 S401 SECTION @ SLOPED WELDED BEAM
3/4" = 1'-0"



NOTES:

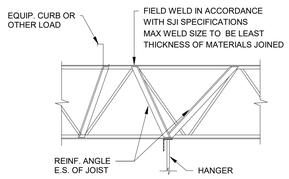
1. NOTIFY ENGINEER IF ANY WIDTH OTHER THAN 36" DECK IS USED.
2. SIDELAP FASTENERS BETWEEN DECK PANELS SHALL BE (3)-#10 TEK SCREWS EQUALLY SPACED BETWEEN ADJACENT JOISTS (UNO).

5 S401 METAL ROOF DECK FASTENING PATTERN
3/4" = 1'-0"



TYPICAL PLAN FOR ROOF OPENING OR FLOOR OPENING
PLAN OPENING 10" TO 60" OR 6" DIA TO 36" DIA

6 S401 DETAIL AT ROOF OR FLOOR OPENING
3/4" = 1'-0"

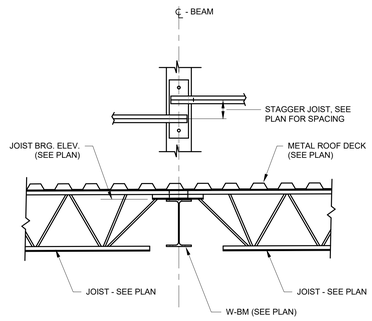


TYPICAL JOIST REINFORCEMENT FOR HANGER OR TOP CHORD LOADS GREATER THAN (A) LBS AT MORE THAN SPECIFIED MAX DISTANCE FROM PANEL POINTS. MAX LOAD PER JOIST - (B) LBS

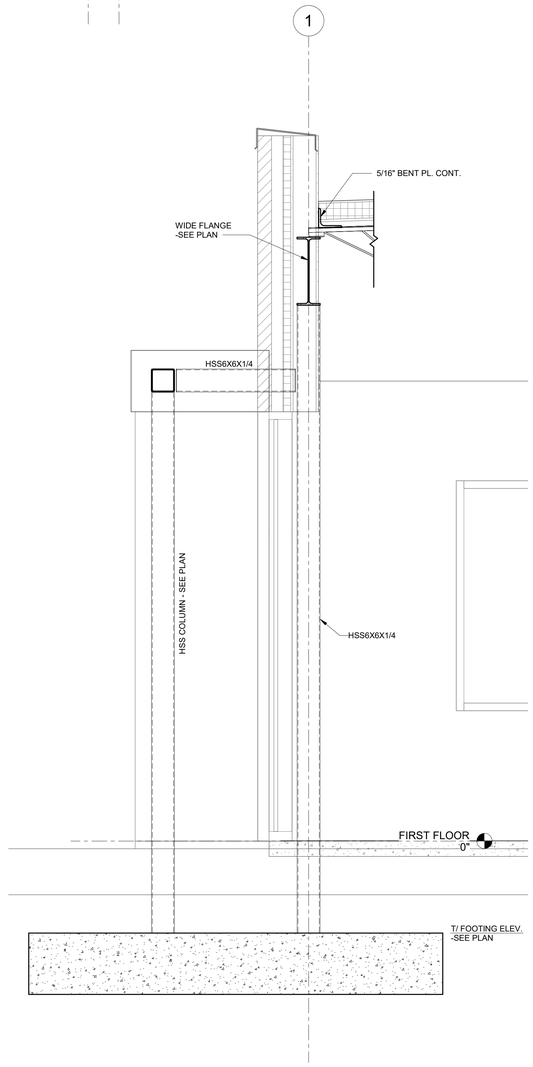
CONCENTRATED LOADS ON JOISTS

JOIST DEPTH	JOIST REINF. ANGLE	MAX. DIST. FROM PANEL POINT TO CONCEN. LOAD W/O REINF. JOIST	A	B
UP TO 12"	L1x1x 1/8	2"	100#	300#
14" TO 18"	L1 1/4 x1 1/4x 1/8	3"	150#	450#
20" TO 24"	L1 1/2x1 1/2x 3/16	4"	175#	700#
26" TO 44"	L2 x 2 x 3/16	5"	200#	1000#

7 S401 TYP. SECTION FOR CONCENTRATED LOADS ON JOISTS
3/4" = 1'-0"



9 S401 TYPICAL JOIST STAGGER @ W-BM'S
3/4" = 1'-0"



8 S401 SECTION
3/4" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
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PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 16719 MICHAEL M. SIMPSON 8/27/2024

SOUTH CAROLINA MICHAEL M. SIMPSON & ASSOCIATES, INC. No. C02038 CERTIFICATE OF AUTHORIZATION

SHEET INFORMATION

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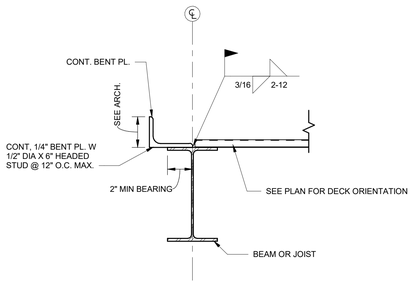
Drawing Number: S401



1 S402 **TYPICAL EDGE OF ROOF OPENING DETAIL**

1 1/2" = 1'-0"

BRICK LOOSE LINTEL SCHEDULE		
SPAN	4" BRICK	REMARKS
SPANS UP TO 5'-0"	1 - L3 1/2 x3 1/2 x 5/16	NOTE: AT ALL SINGLE ANGLES, ADD CLOSURE PIECE AS REQ'D PER ARCH. DWGS
5'-0" TO 7'-0"	1 - L4x3 1/2 x 5/16 (LLV)	

CLOSURE PIECE

NOTE:MINIMUM BEARING 6".
ALL EXTERIOR STEEL SHALL BE HOT-DIP GALVANIZED

2 S402 **BRICK LOOSE LINTEL SCHEDULE**

NONE

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CPLteam.com

PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

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MMSA, Inc.
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Consulting Structural Engineers
30 Patewood Drive, Suite 100
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PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 16713
8/27/2024
MICHAEL M. SIMPSON

SOUTH CAROLINA
MICHAEL M. SIMPSON & ASSOCIATES, INC.
No. C02038
CERTIFICATE OF AUTHORIZATION

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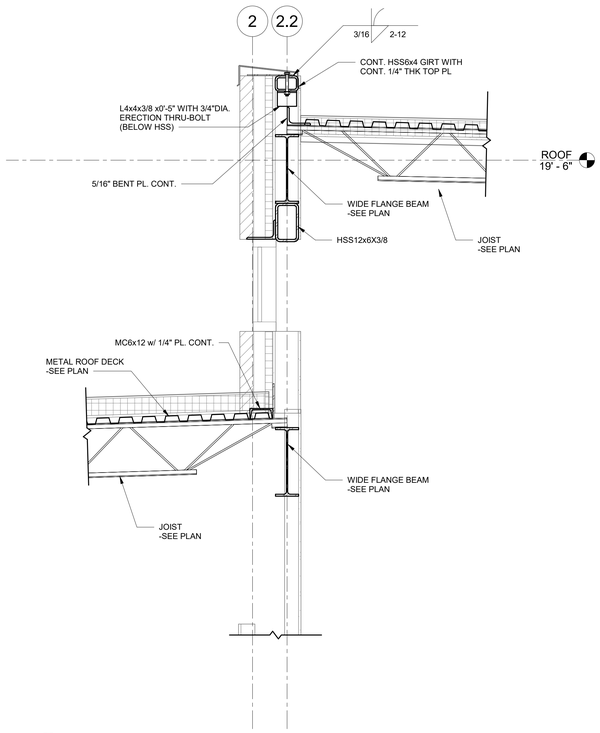
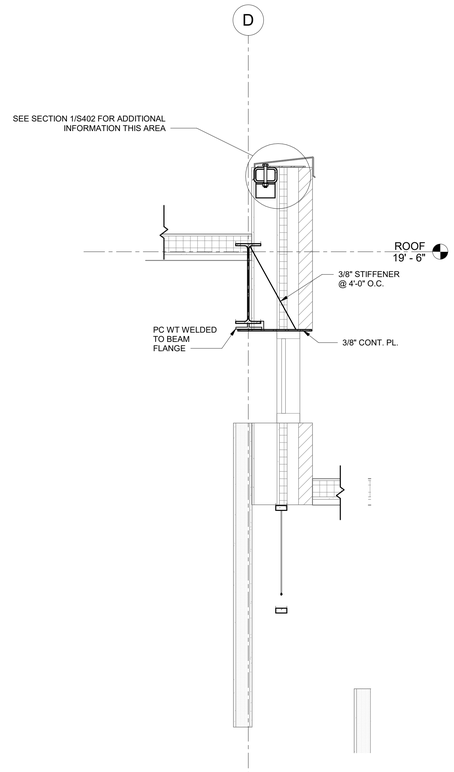


1 S403 **SECTION**
3/4" = 1'-0"



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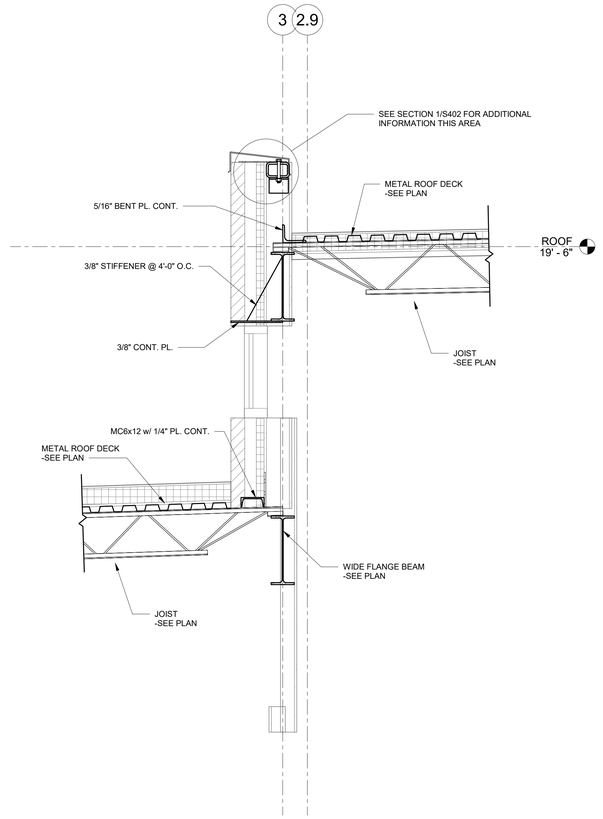
3/4" = 1'-0"



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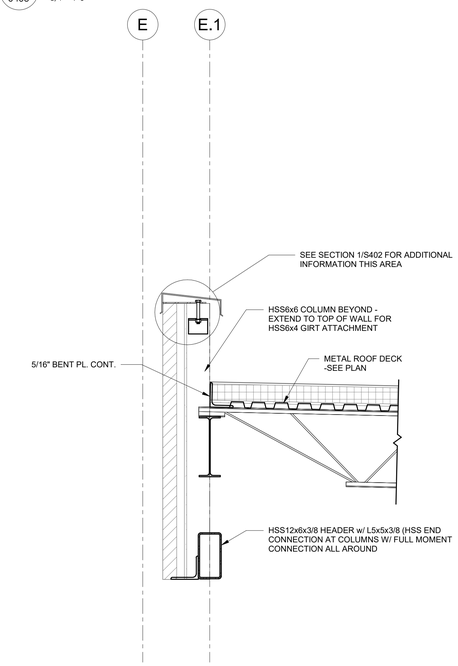

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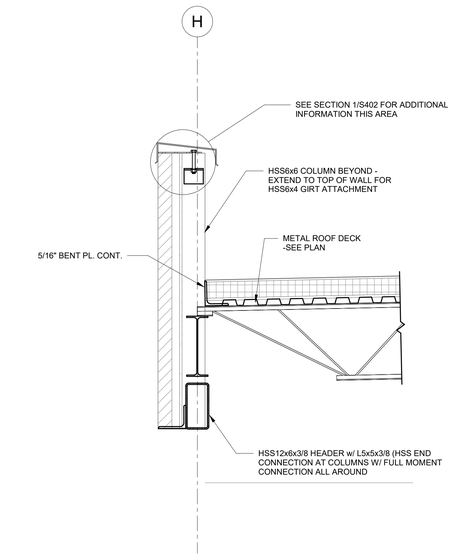

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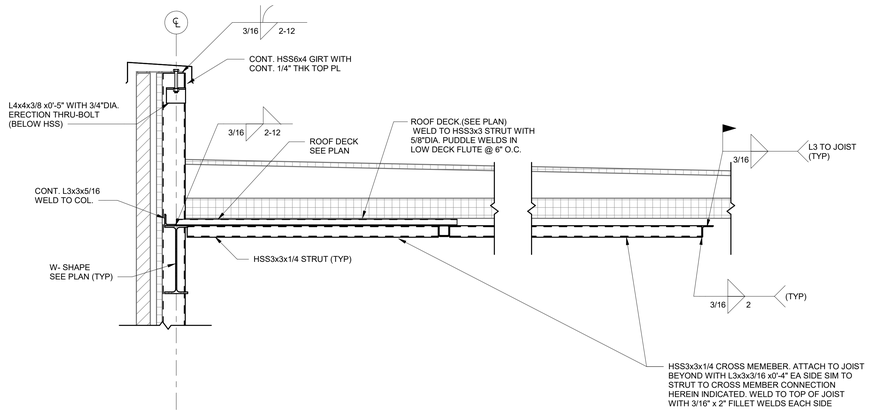

6 S403 **SECTION**
3/4" = 1'-0"

8/27/2024 8:54:59 PM

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
Consulting Structural Engineers
30 Patewood Drive, Suite 100
Greenville, S.C. 29615
(864) 331-1201

PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 16713 MICHAEL M. SIMPSON 8/27/2024

MICHAEL M. SIMPSON & ASSOCIATES, INC No. C02038 CERTIFICATE OF AUTHORIZATION

SHEET INFORMATION

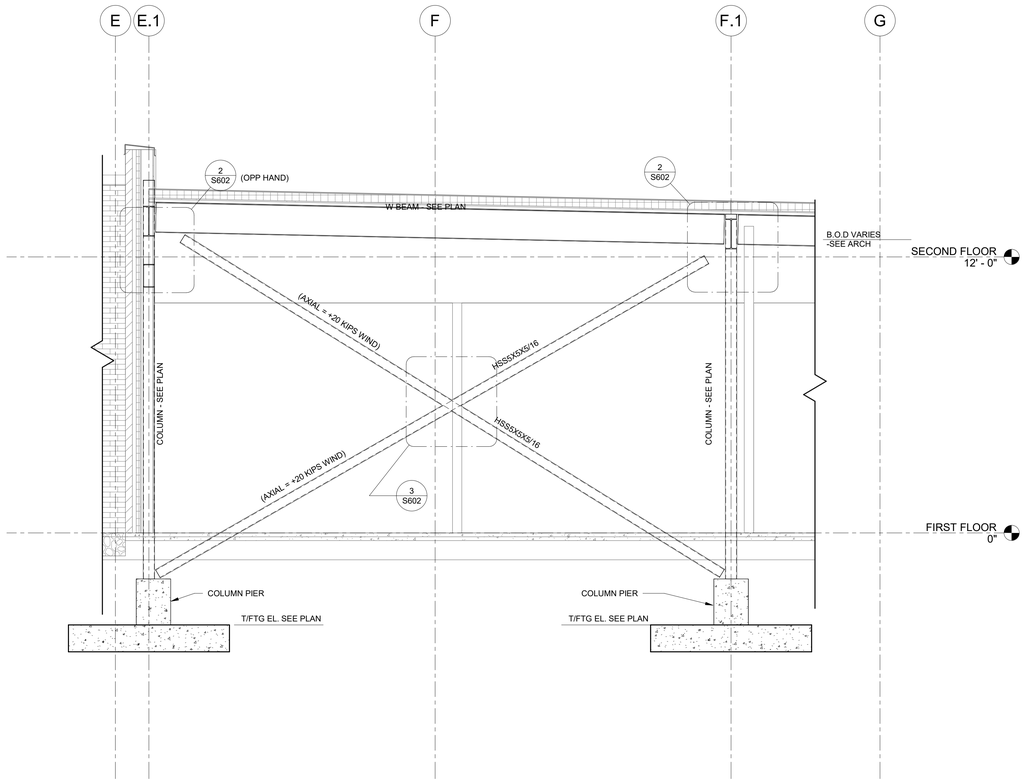
Issued	Scale
08/27/2024	3/4" = 1'-0"

Project Status
100% Construction Documents

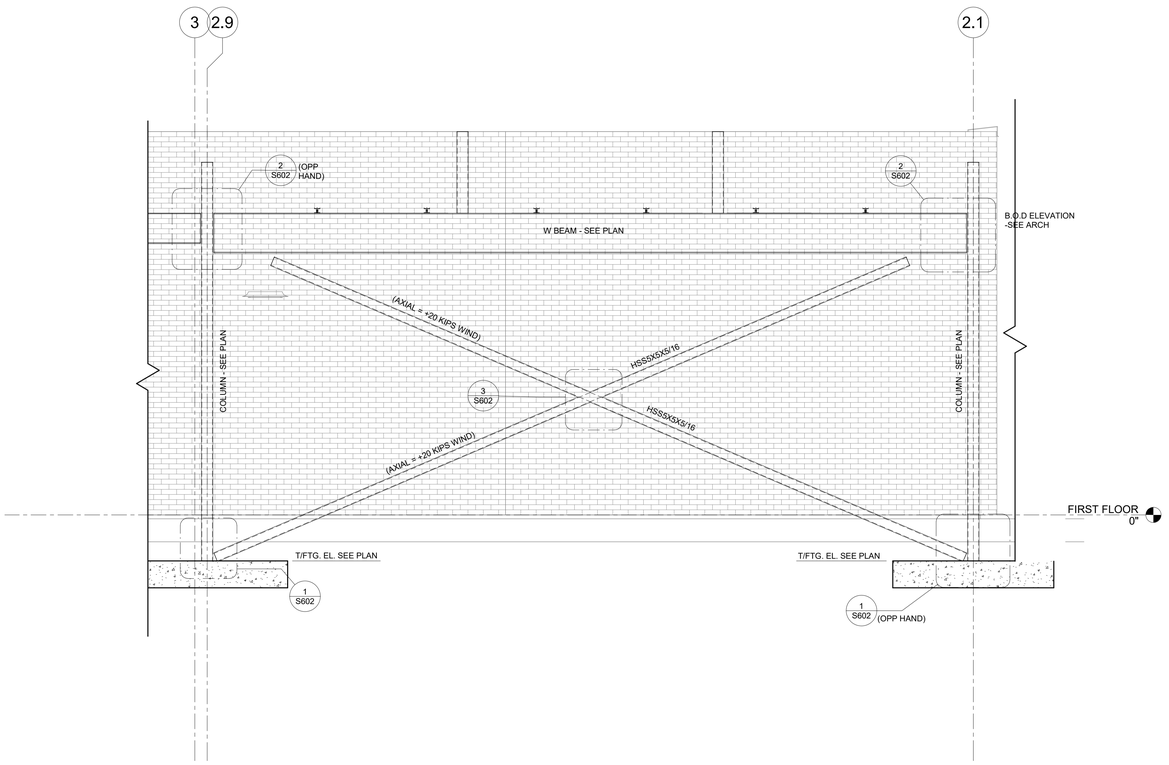
Drawn By	Checked By
JDS	MMS

Drawing Title
SECTIONS AND DETAILS

Drawing Number
S403



1 S601 **BRACING AT GRID LINE "4"**
3/8" = 1'-0"



2 S601 **BRACING AT GRID LINE "H"**
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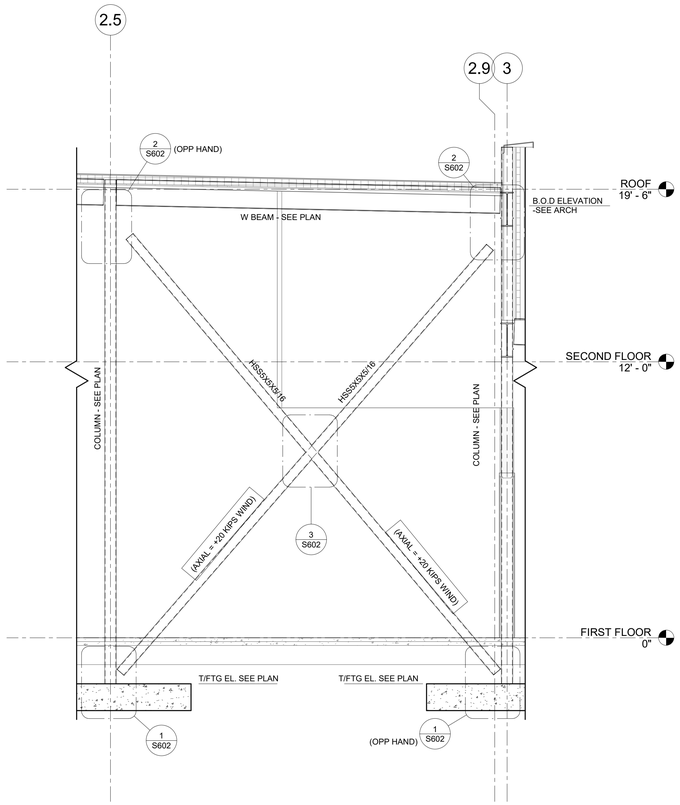
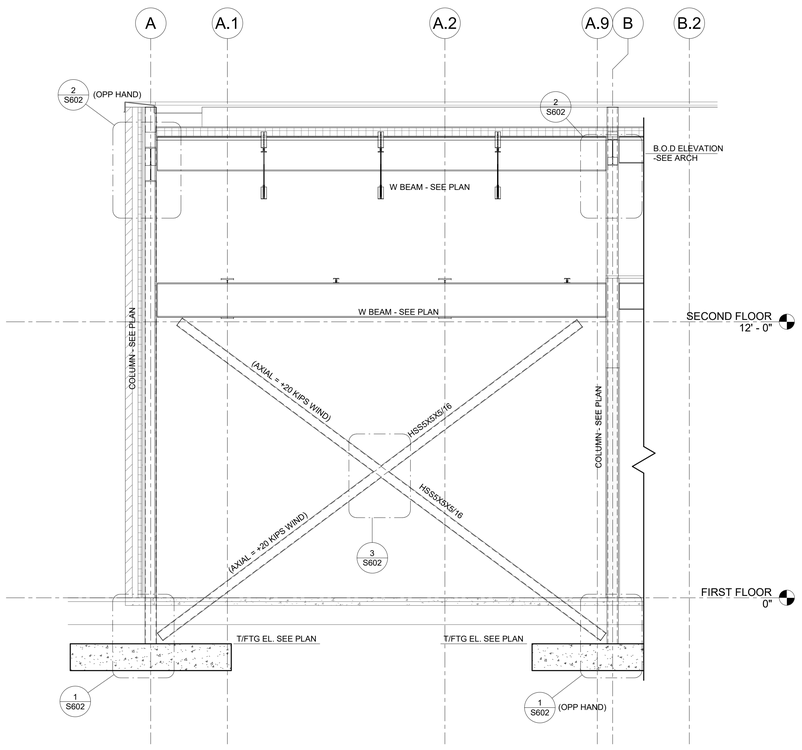


3 S601 **BRACING AT GRID LINE "B"**
3/8" = 1'-0"



4 S601 **BRACING AT GRID LINE "2"**
3/8" = 1'-0"

8/27/2024 8:54:59 PM

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
Consulting Structural Engineers
30 Patewood Drive, Suite 100
Greenville, S.C. 29615
(864) 331-1201

PROFESSIONAL STAMPS

SHEET INFORMATION

Issued
08/27/2024

Scale
3/8" = 1'-0"

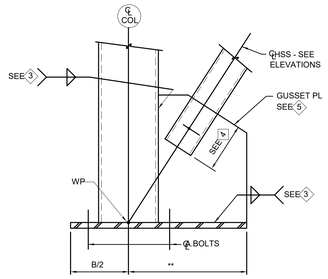
Project Status
100% Construction Documents

Drawn By
JDS

Checked By
MMS

Drawing Title
BRACING ELEVATIONS

Drawing Number
S601

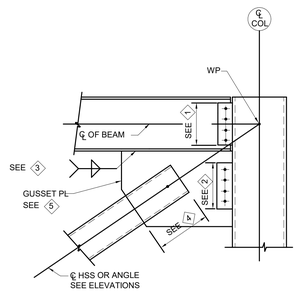


NOTES:
1. SEE BASE PLATE DETAILS 2/S303 FOR INFORMATION NOT SHOWN.

** - EXTEND BASE PL AS REQ'D TO ACCOMMODATE CONNECTION OF BRACING GUSSET PLATE.

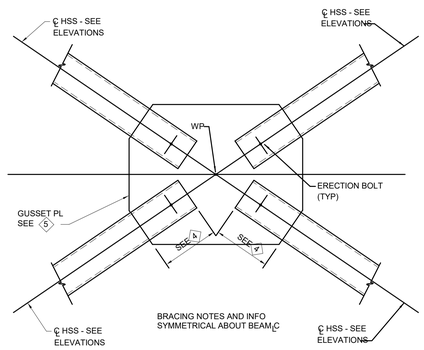
1 S602 DETAIL AT BASE PLATE AND COLUMN FLANGE

3/4" = 1'-0"



2 S602 DETAIL AT TOP OF COLUMN

3/4" = 1'-0"



3 S602 DETAIL AT CENTER OF "X" BRACE

3/4" = 1'-0"

GENERAL SHEET NOTES

1. SEE STRUCTURAL STEEL GENERAL NOTES, SECTION 6.0 AND 7.0 DWG S001.
2. SEE PLANS FOR BEAM AXIAL LOADS.

CONNECTION NOTES:

1. BEAM TO COLUMN CONNECTION: THICKNESS AND LENGTH OF ANGLES, LENGTH AND SIZE OF WELD, AND NUMBER OF BOLTS SHALL BE DESIGNED PER 1/S405 AS A MINIMUM. IN ADDITION, THE CONNECTION SHALL BE DESIGNED FOR THE ADDITIONAL STRESSES INDUCED FROM AXIAL FORCES WHERE SHOWN IN PLAN AND PER NOTE 6.0 ON SHEET S001.
2. GUSSET TO COLUMN CONNECTION: THICKNESS AND LENGTH OF ANGLES, LENGTH AND SIZE OF WELD, AND NUMBER OF BOLTS SHALL BE DESIGNED TO TRANSFER THE VERTICAL COMPONENT OF THE BRACE AS A MINIMUM. IN ADDITION, ANY ADDITIONAL STRESSES DUE TO TRANSFER OF THE FORCES TO THE WORK POINTS (WP) SHALL BE ANALYZED AND INCLUDED IN THE DESIGN.
3. GUSSET PLATE WELDS: LENGTH AND SIZE OF WELDS CONNECTING GUSSET PLATES BEAMS AND/OR COLUMNS SHALL BE DESIGNED FOR THE CORRESPONDING BRACE FORCE COMPONENT AS A MINIMUM. IN ADDITION, ANY ADDITIONAL STRESSES DUE TO TRANSFER OF THE FORCES TO THE WORK POINTS (WP) SHALL BE ANALYZED AND INCLUDED IN THE DESIGN.
4. BRACE CONNECTION: LENGTH AND SIZE OF WELDS SHALL BE DESIGNED TO DEVELOP THE FORCES SHOWN ON THE STEEL BRACING ELEVATIONS.
5. GUSSET PLATE: WIDTH AND THICKNESS OF THE GUSSET PLATE SHALL BE DESIGNED TO DEVELOP AND TRANSFER THE FORCES SHOWN ON THE STEEL BRACING ELEVATIONS INCLUDING VERIFICATION OF ALL APPLICABLE INTERNAL STRESS. PLATE THICKNESS SHALL NOT BE LESS THAN THE WEB THICKNESS OF THE ADJOINING MEMBER.
6. STIFFENERS: COLUMN AND/OR WEB STIFFENERS SHALL BE PROVIDED TO REINFORCE AREAS OF LOCALIZED YEILDING OR BUCKLING.
7. FIELD WELDED BRACE CONNECTION: LENGTH OF WELD SHALL BE DESIGNED TO DEVELOP THE FORCES SHOWN ON THE STEEL BRACING ELEVATION (1/4" FILLET MIN.)

BRACING NOTES:

1. LOADS ARE AXIAL WORKING LOADS IN KIPS
2. ALL LOADS PROVIDED ON FRAMING ELEVATIONS ARE UNFACTORED LOADS. APPROPRIATE LOAD FACTORS SHOULD BE APPLIED FOR CONNECTION DESIGN USING LRFD.

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

MMSA, Inc.
Michael M. Simpson & Associates, Inc.
Consulting Structural Engineers
30 Patewood Drive, Suite 100
Greenville, S.C. 29615
(864) 331-1201

PROFESSIONAL STAMPS

SHEET INFORMATION

Issued: 08/27/2024
Scale: 3/4" = 1'-0"
Project Status: 100% Construction Documents
Drawn By: JDS
Checked By: MMS
Drawing Title: BRACING DETAILS
Drawing Number: S602

8/27/2024 8:55:00 PM

FLOOR PLAN LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

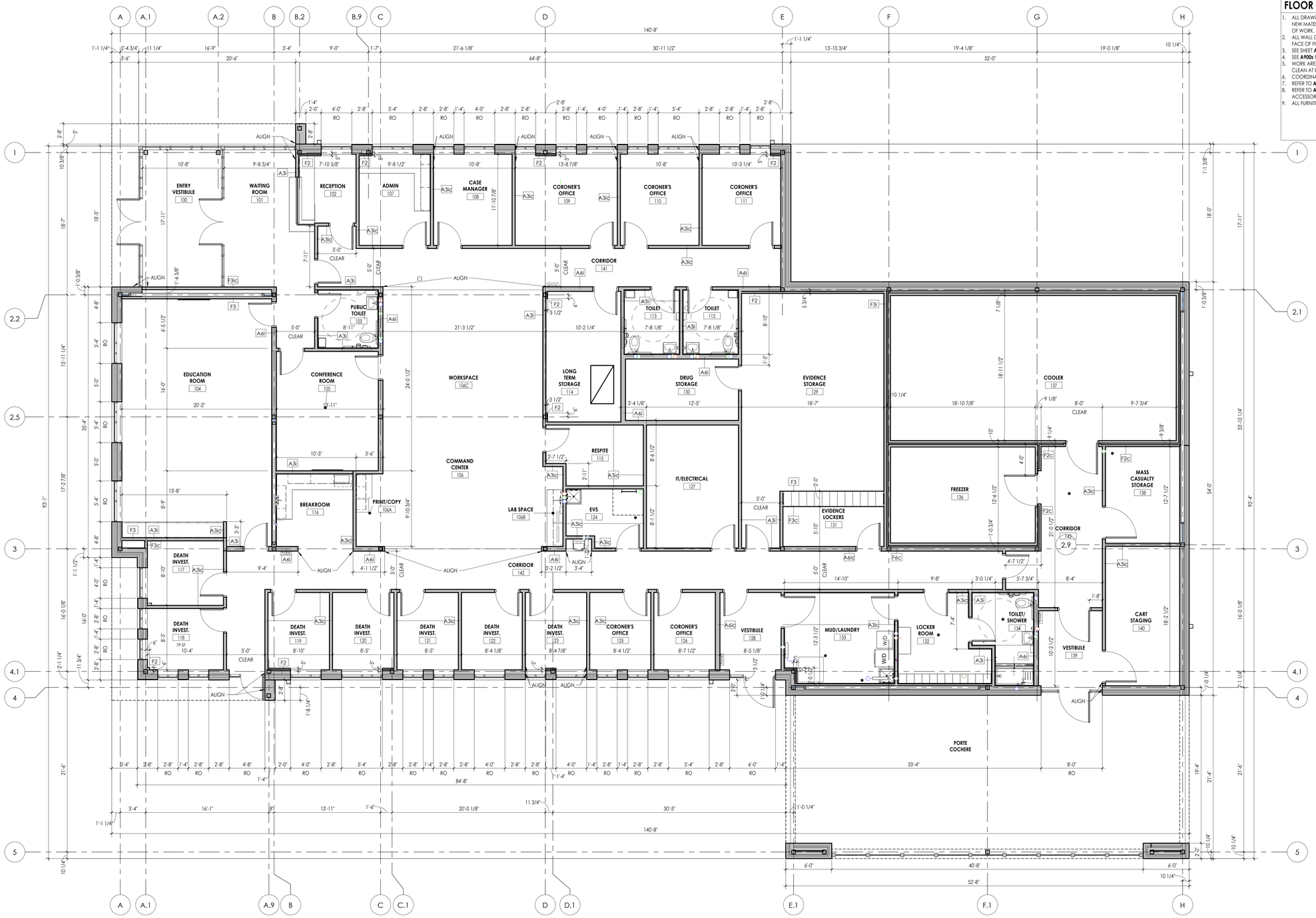
COLUMN LINE IDENTIFICATION

ROOM NAME
H1234.2
150 SF
10'-0" x 10'-0"

ROOM TAG

FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE FROM FACE OF FINISH TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. SEE SHEET **A400** FOR INTERIOR PARTITION TYPES.
4. SEE **A900s** FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, AND STOREFRONTS.
5. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
6. COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
7. REFER TO **A700** FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.
8. REFER TO **A700** SERIES FOR FURNISH AND INSTALL SCOPE OF EQUIPMENT AND ACCESSORIES.
9. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.



E4 / A200.1 **DIMENSION PLAN LEVEL 1**
3/16" = 1'-0"

TRUE NORTH

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PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
DY, Architects and Engineers, P.C.
Charlotte, North Carolina
No. 00069
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 40483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

Issued
08/27/2024

Scale
As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By
AC

Checked By
DMS

Drawing Title
DIMENSION PLAN LEVEL 1

Drawing Number
A200.1

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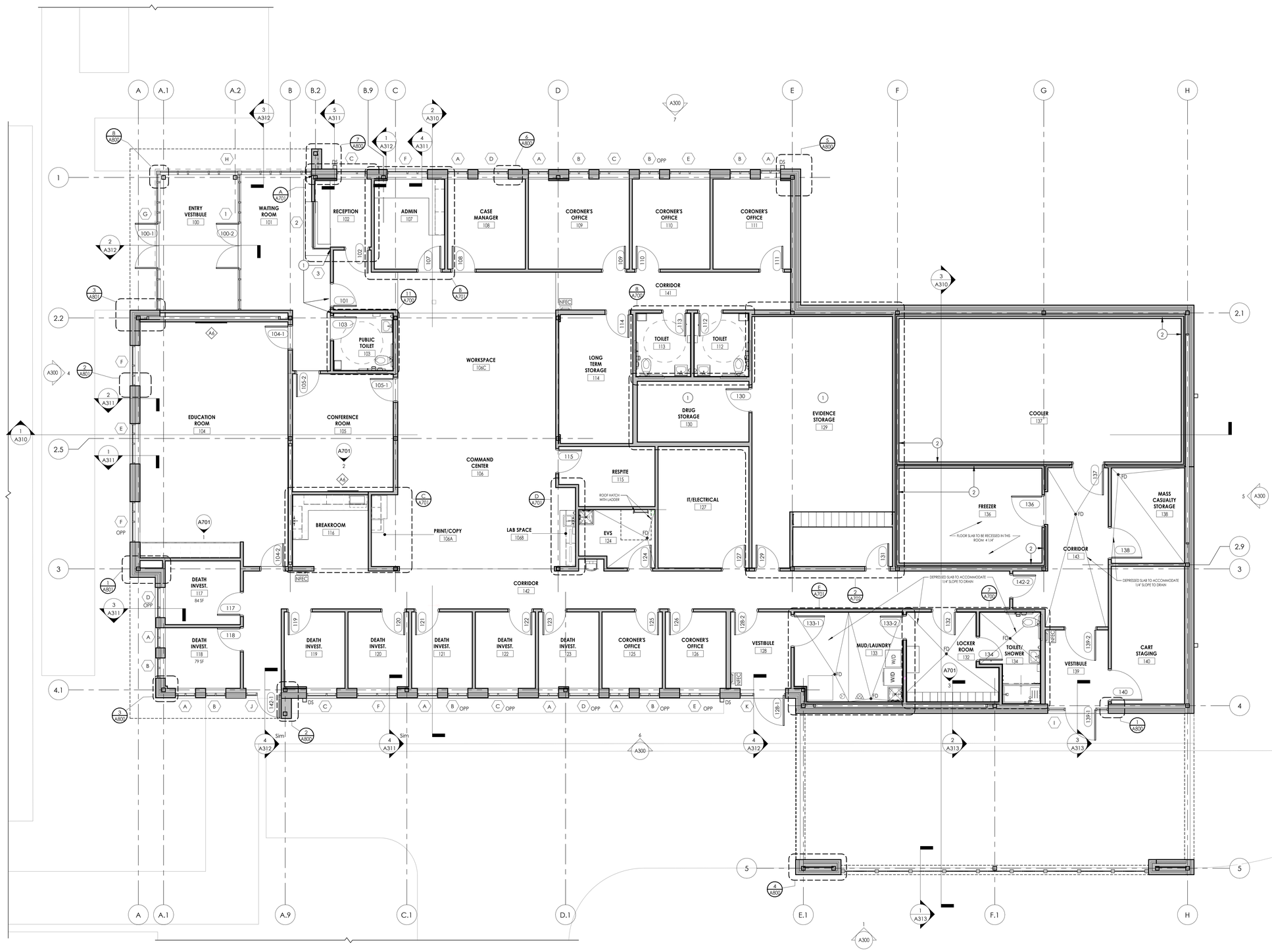

ANNOTATION PLAN LEVEL 1

W5 / A200.2

3/16" = 1'-0"

TRUE NORTH

FLOOR PLAN LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

- DOOR — DOOR TARGET, SEE SCHEDULE
- W1 — WINDOW TARGET, SEE SCHEDULE
- 1 / A — COLUMN LINE IDENTIFICATION
- ROOM NAME / H1234.2 / 150 SF / 10'-0" x 10'-0" — ROOM TAG
- WH — WATER HEATER/ AIR HANDLER, SEE MECHANICAL DRWINGS
- 1 / A3.1 — SECTION MARK
- 2 / A701 — INTERIOR ELEVATION MARK
- 3 / A301 — EXTERIOR ELEVATION MARK
- 1 / A4.1 — DETAIL FOR REFERENCE MARK
- BLOCKING IN WALLS FOR GRAB BAR INSTALLATION
- DENOTES FINISH FLOOR GRADE ELEVATION
- NFEC — NEW FIRE EXTINGUISHER CABINET

FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE FROM FACE OF FINISH TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. SEE SHEET **A400** FOR INTERIOR PARTITION TYPES.
4. SEE **A700s** FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS.
5. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
6. COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
7. REFER TO **A700** FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.
8. REFER TO **A700** FOR FURNISH AND INSTALL SCOPE OF EQUIPMENT AND ACCESSORIES.

FLOOR PLAN KEY NOTES

1. ALL WALLS IN ROOM TO HAVE IMPACT RESISTANT GWB AND DOORS.
2. WALLS BY COOLER AND FREEZER MANUFACTURER. REFER TO MANUFACTURER STANDARD DETAILS FOR WALL CONSTRUCTION, FLOOR CONSTRUCTION, AND RELATED DETAILS.

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — 2P Architects and Engineers, PC — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 35483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
AC	DMS

Drawing Title
ANNOTATION PLAN LEVEL 1

Drawing Number
-
A200.2

ROOF COMPOSITION NOTES

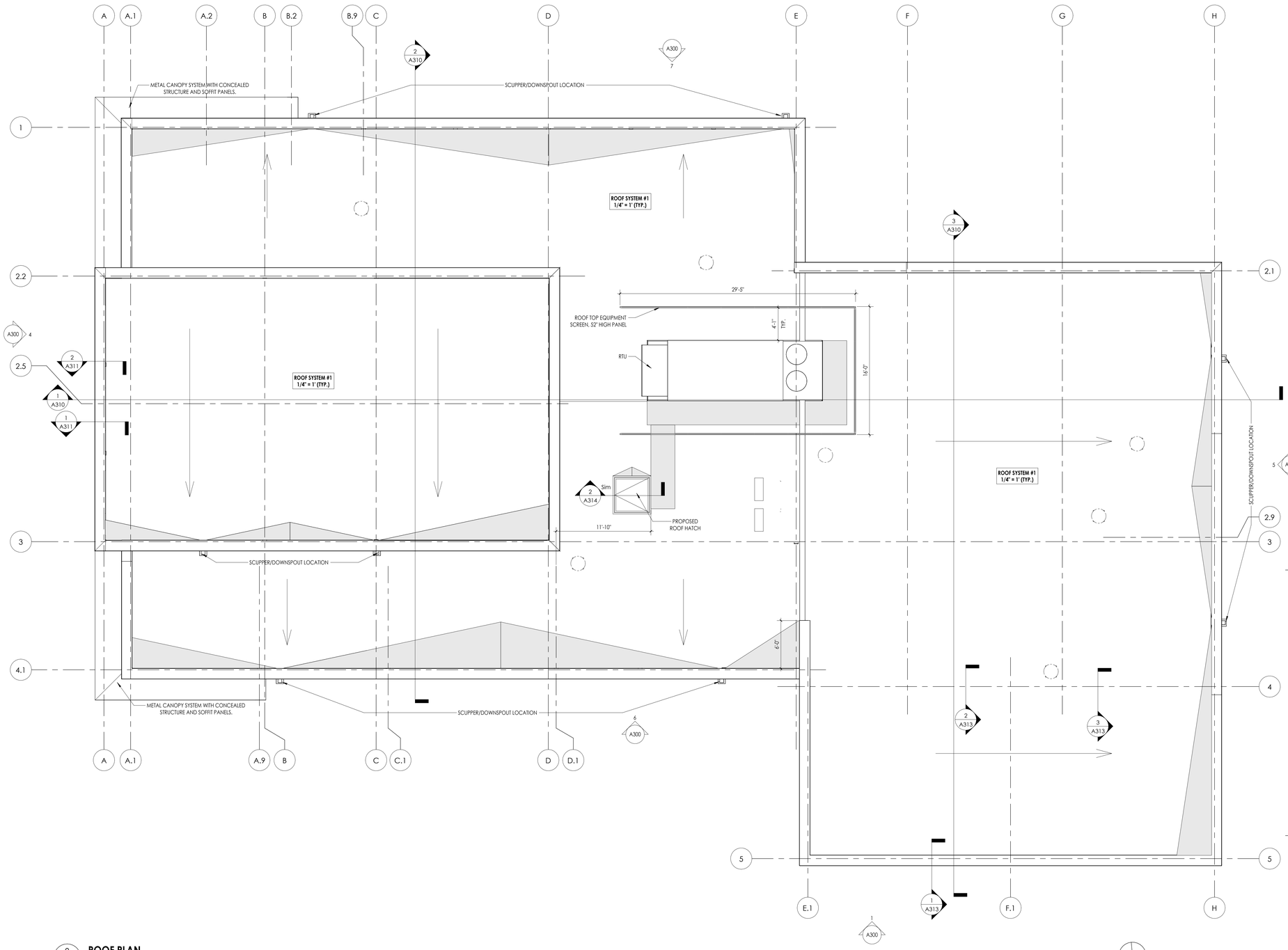
1. **ROOF SYSTEM #1:**
   - **SLOPED STRUCTURE**
   - **METAL DECK**
   - **5/8" DENSGLASS SHEATHING**
   - **RIGID INSULATION, R-25 MIN.**
   - **1/2" COVER BOARD**
   - **SINGLE PLY TPO**

ROOF PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
2. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
3. PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
4. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
5. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
6. THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
7. NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
8. MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
9. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
10. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
11. PROVIDE WOOD BLOCKING AS REQUIRED TO MEET THE HIGH POINT (HP)OF THE INSULATION AT ROOF EDGES. THE ROOF EDGE HEIGHT SHALL NOT VARY UNLESS OTHERWISE NOTED. ALL WOOD BLOCKING USED SHALL BE PRESERVATIVE -TREATED.
12. ALL SADDLES AND CRICKETS ARE TO HAVE A MIN. 1/4" PER FOOT SLOPE AS INDICATED. PROVIDE CRICKETS FOR DIVERSION OF WATER AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO SLOPE OF INSULATION.
13. AT ALL MECHANICAL EQUIPMENT, PROVIDE SLOPED INSULATION AS REQUIRED TO DRAIN ROOF WATER AWAY FROM HIGH SIDE OF CURBS.
14. UPON COMPLETION OF WORK, THE PLUMBING CONTRACTOR SHALL SNAKE OUT ALL ROOF DRAINS AND VERIFY ALL ARE CLEAR AND LEFT IN A FREE FLOWING CONDITION.
15. ALL CURBS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR. ASSOCIATED ROOF/FLASHING BY GENERAL CONTRACTOR.
16. **THE INSTALLED ROOFING SYSTEM SHALL MEET ALL REQUIREMENTS FOR CLASSIFICATION AS A UL CLASS "A" ROOF ASSEMBLY.**

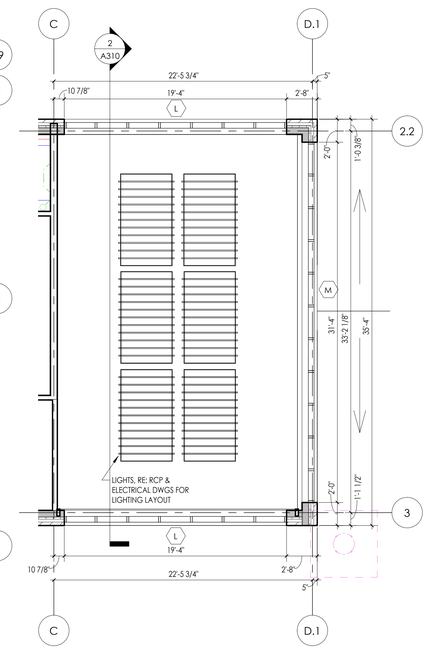
ROOF PLAN LEGEND

- SLOPED INSULATION ROOF CRICKET. PROVIDE 1/4"/ 1'-0" POSITIVE DRAINAGE
- MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
- ROOF HATCH (SINGLE LEAF)
- 1/4" / 1'-0" — ROOF SLOPE
- ROOF MEMBRANE WALKWAY SYSTEM TYP.



2 A200.4 **ROOF PLAN**
3/16" = 1'-0"

TRUE NORTH



1 A200.4 **CLERESTORY PLAN**
3/16" = 1'-0"

TRUE NORTH

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — PA Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 35483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated

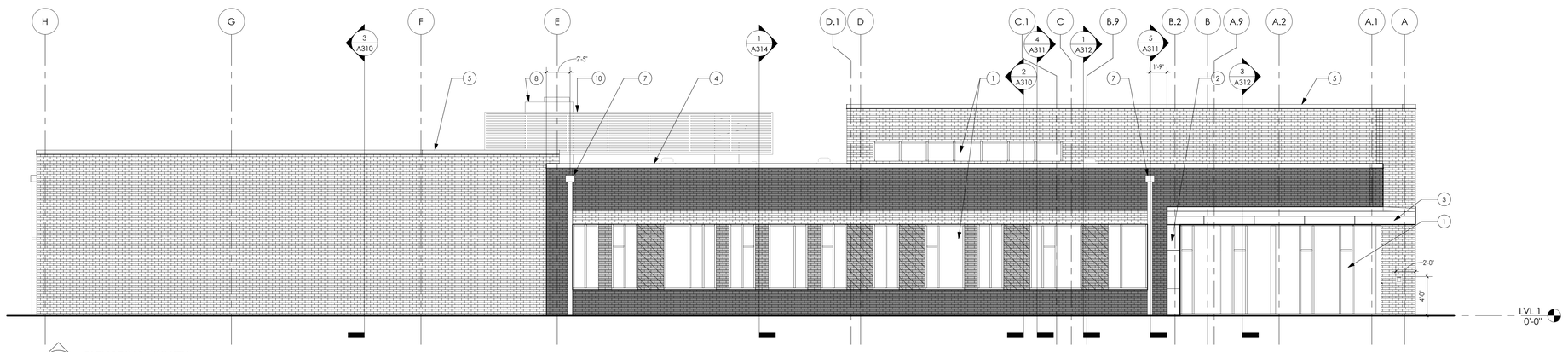
Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
AC	DMS

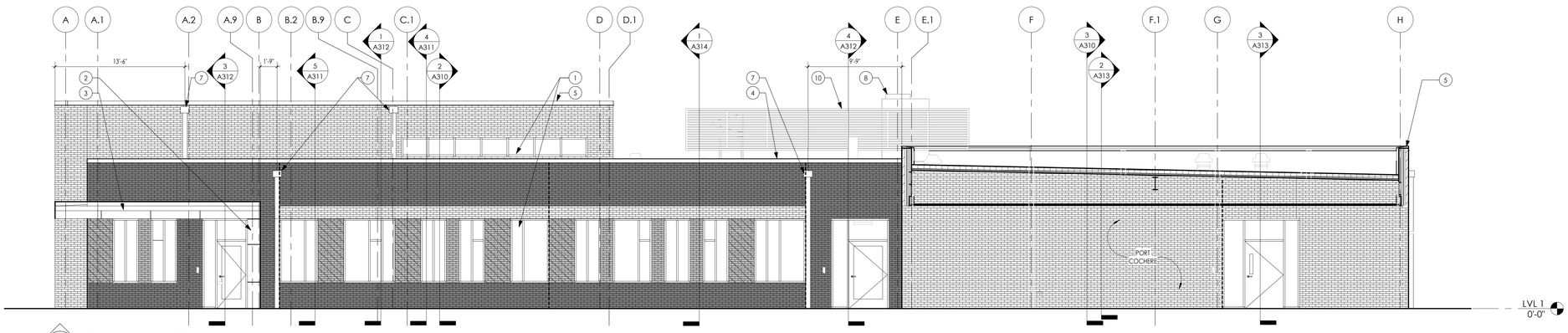
Drawing Title
OVERALL ROOF PLAN

Drawing Number
A200.4

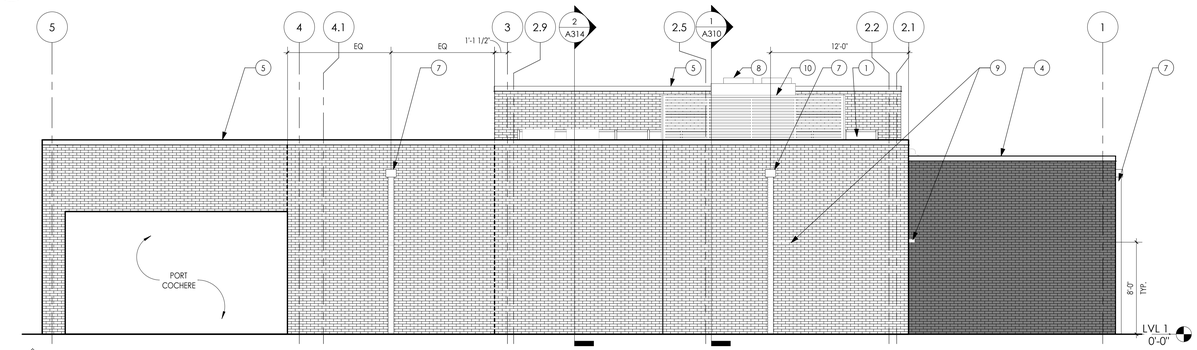
8/29/2024 5:54:44 PM <project location> D Design & Project Files on Bim 360



7 A300 **ELEVATON - SOUTH**
3/16" = 1'-0"



6 A300 **ELEVATION - NORTH**
3/16" = 1'-0"



5 A300 **ELEVATION - WEST**
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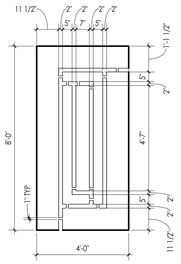
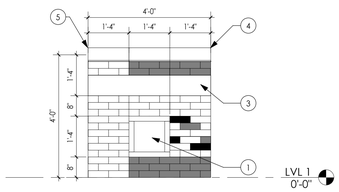
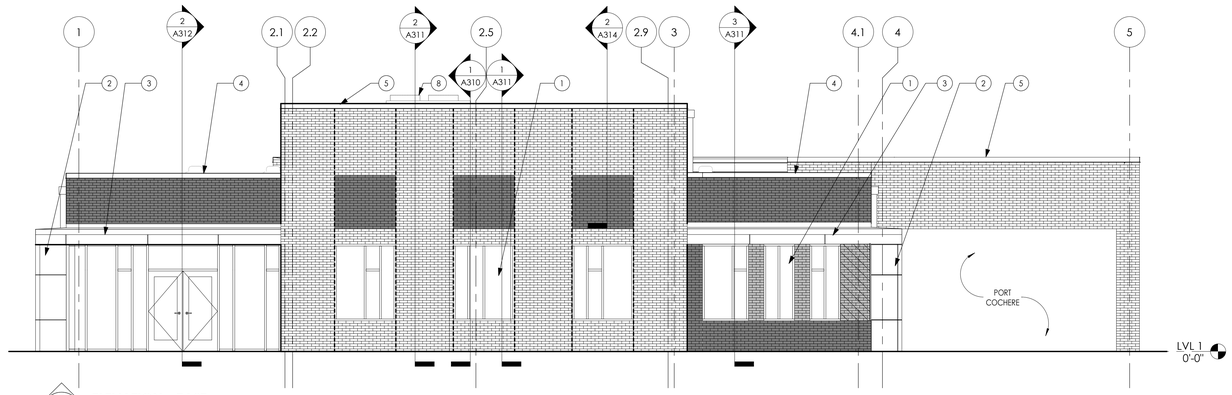


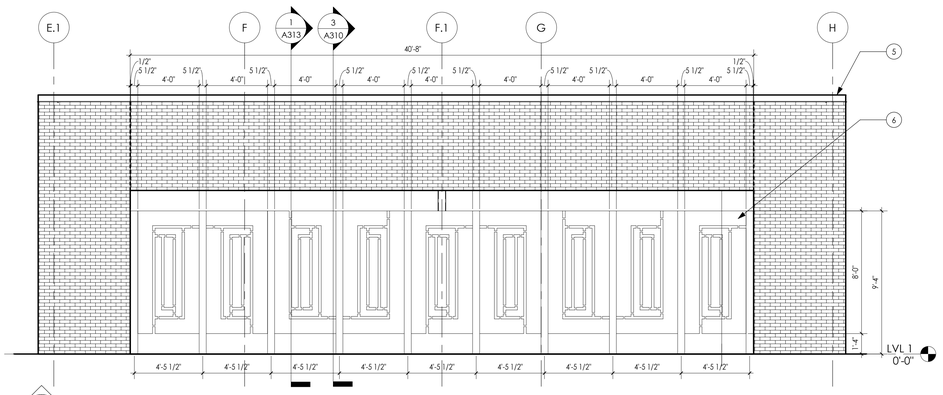
3 A300 **SCREEN WALL PANEL**
3/8" = 1'-0"



2 A300 **MOCK ELEVATION**
1/2" = 1'-0"



4 A300 **ELEVATION - EAST**
3/16" = 1'-0"



1 A300 **NORTH ELEVATION OF PORTE COCHERE**
1/4" = 1'-0"

ELEVATION GENERAL NOTES

1. REFER TO **A900'S** DRAWINGS FOR DOOR, FRAME, AND WINDOW TYPES.
2. PROVIDE ALL LOUVER OPENINGS AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL SIZE AND LOCATION.
3. ARCHITECTURAL ELEVATION 0'-0" EQUALS CIVIL DATUM OF **613.75'**
4. CONTROL JOINT = CJ
5. SOFT JOINT = SJ
6. EXPANSION JOINT = EJ
7. BUILDING EXPANSION JOINT = BEJ

ELEVATION LEGEND

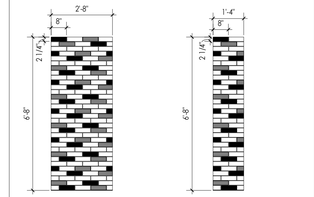
- BRICK 1 (RUNNING)
- BRICK 2 (RUNNING)
- BRICK PATTERN - THIN (RUNNING)
- BRICK PATTERN - WIDE (RUNNING)
- CONTROL JOINT (CJ)

ELEVATION KEY NOTES

1. ALUMINIUM STOREFRONT SYSTEM (DARK BRONZE)
2. EXTERIOR METAL PANEL
3. METAL CANOPY SYSTEM WITH CONCEALED STRUCTURE AND SOFFIT PANELS.
4. DARK BRONZE COPING
5. WHITE COPING
6. METAL SCREEN WALL, PANELS, AND POSTS. BASIS OF DESIGN: CITYSCAPES INC., CUSTOM ECLIPSE PRIVACY SCREEN
7. DOWNSPOUT/ SCUPPER
8. MECHANICAL UNIT
9. RECESSED TROFFER LIGHT, SEE ELECTRICAL DWGS
10. ROOF TOP EQUIPMENT SCREEN, 52" HIGH PANEL

ACCENT BRICKS

- BRICK 2 (RUNNING)
- BRICK 3
- BRICK 4



BRICK PATTERN - WIDE (RUNNING) ACCENT BRICKS

BRICK PATTERN - THIN (RUNNING) ACCENT BRICKS

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
A	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 31483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued
08/27/2024

Scale
As indicated

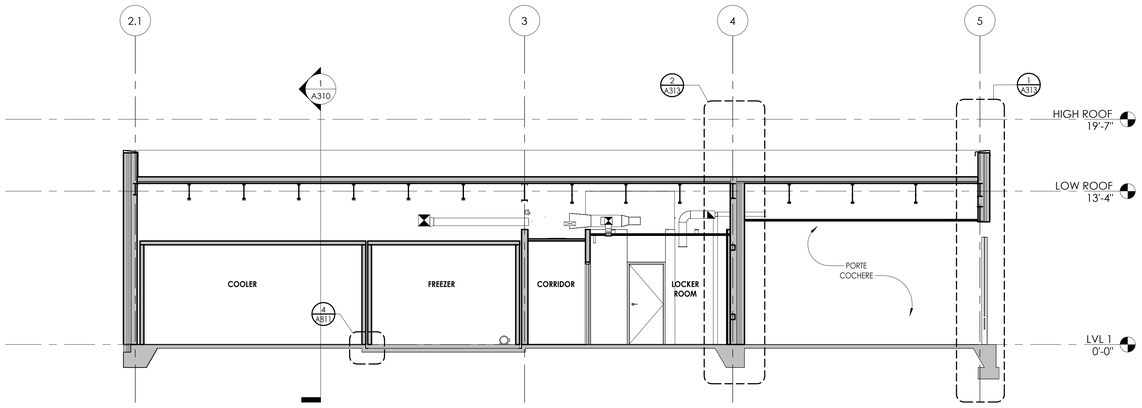
Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By
AC

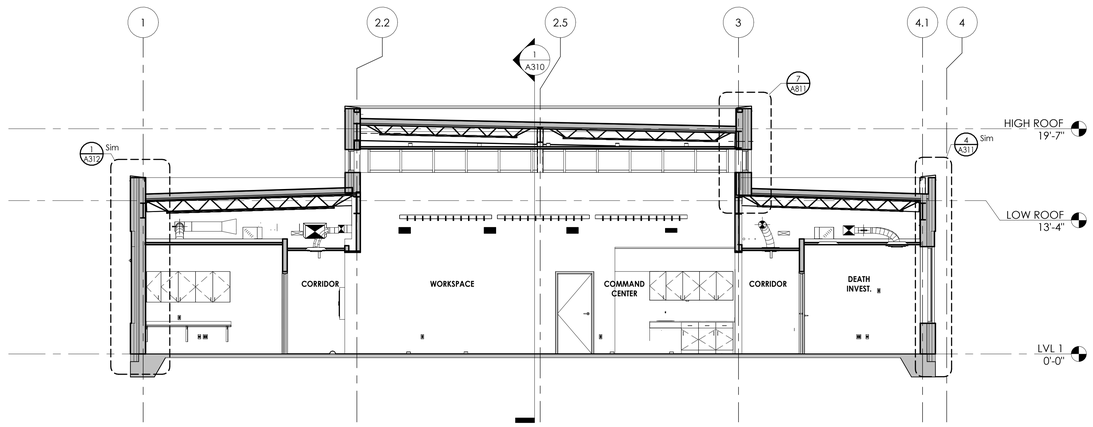
Checked By
DMS

Drawing Title
BUILDING ELEVATIONS

Drawing Number
A300



3 A310 **SECTION 3**
3/16" = 1'-0"



2 A310 **SECTION 2**
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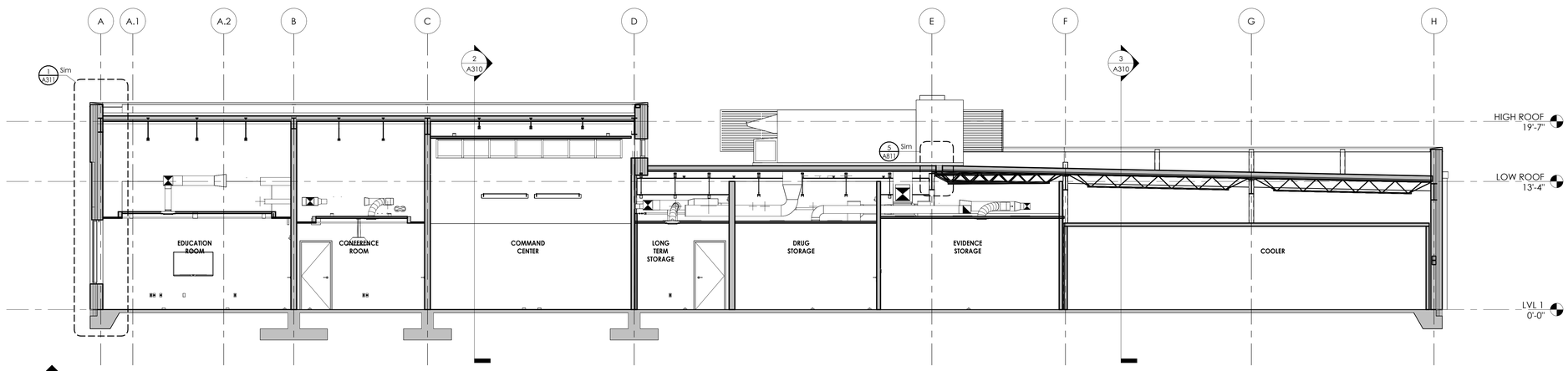

1 A310 **SECTION 1**
3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
DY Architects and Engineers, P.C.
Charlotte, North Carolina
No. 00069
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 30493
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

Issued
08/27/2024

Scale
3/16" = 1'-0"

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By
AC

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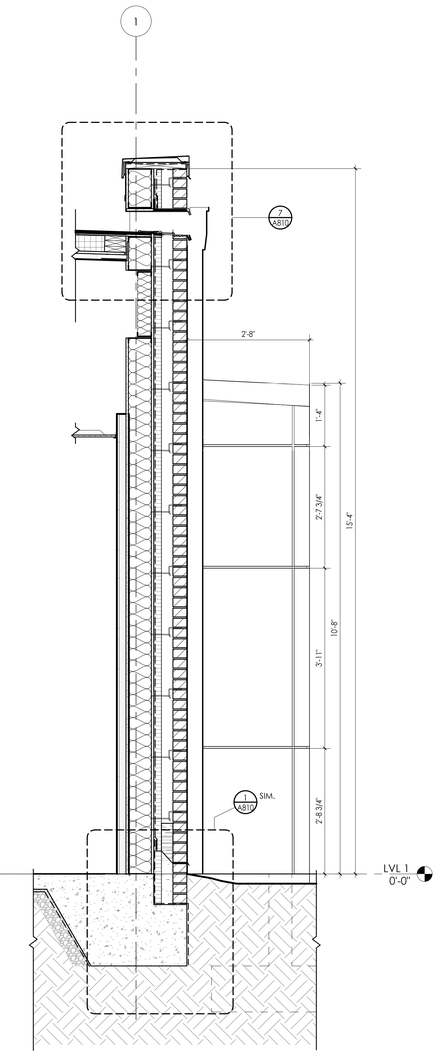
DMS

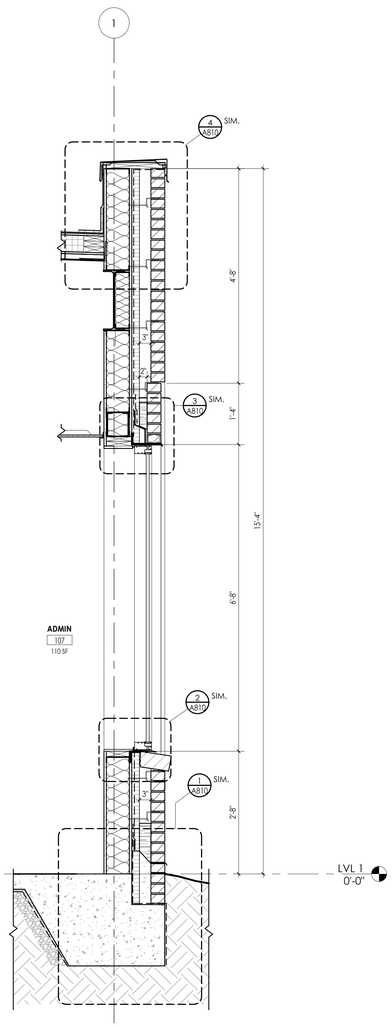
Drawing Title
BUILDING SECTIONS

Drawing Number
A310

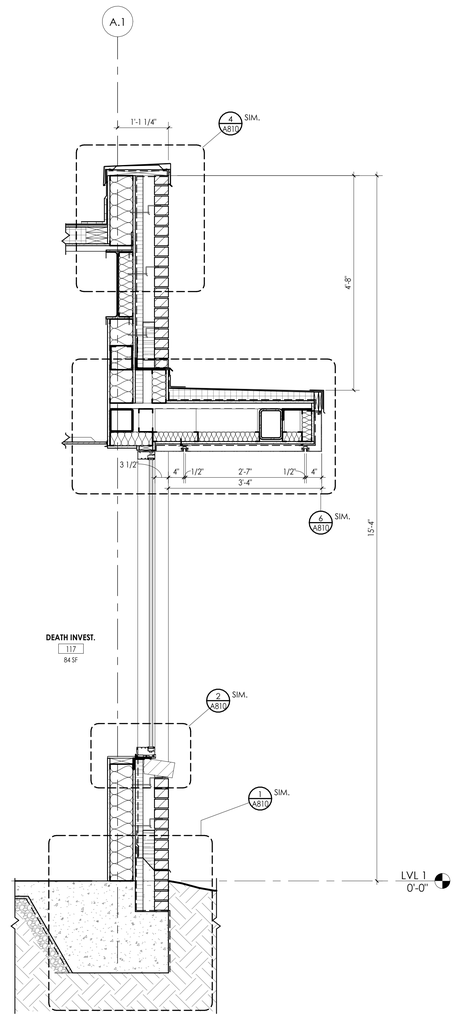
8/29/2024 5:54:51 PM <project location> D Design & Project Files on BIM 360



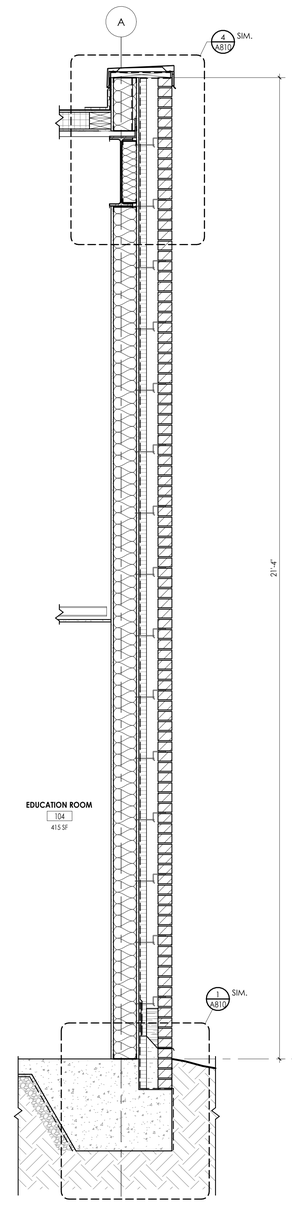
5 A311 **WALL SECTION @ OFFSET BRICK AND STOREFRONT (LOW)**
3/4" = 1'-0"



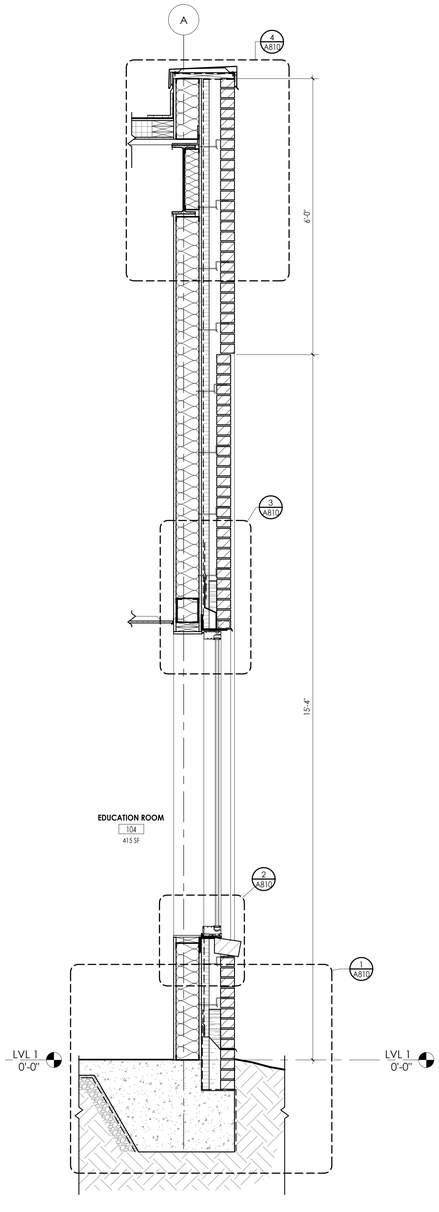
4 A311 **WALL SECTION @BRICK AND STOREFRONT (LOW)**
3/4" = 1'-0"



3 A311 **WALL SECTION @ BRICK AND CANOPY**
3/4" = 1'-0"



2 A311 **WALL SECTION @ BRICK (HIGH)**
3/4" = 1'-0"



1 A311 **WALL SECTION @ BRICK AND STOREFRONT (HIGH)**
3/4" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

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CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

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PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
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No. 00069
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RACHEL FRANCESCA NILSON
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No. 31483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

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08/27/2024

Scale
3/4" = 1'-0"

Project Status
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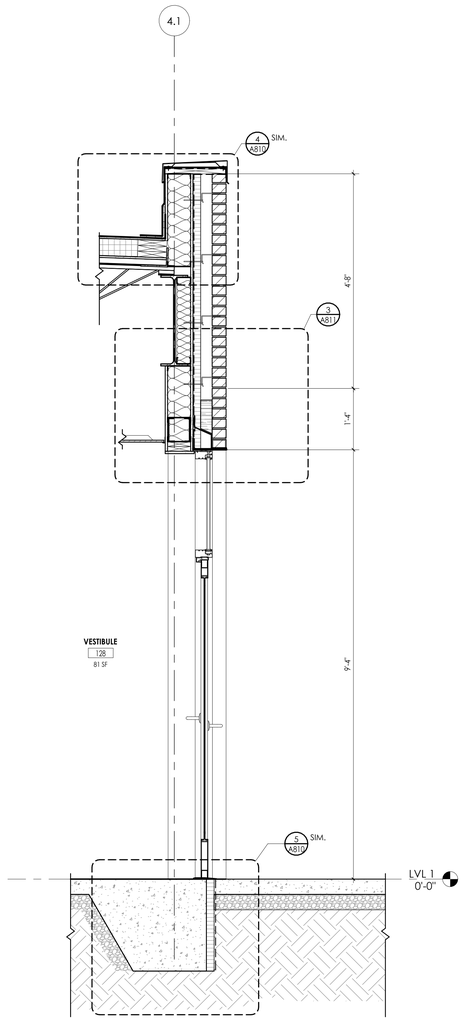
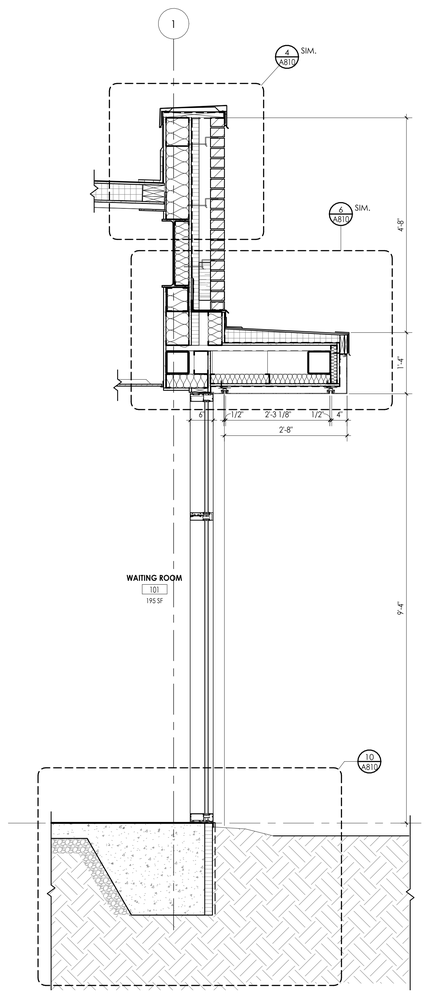
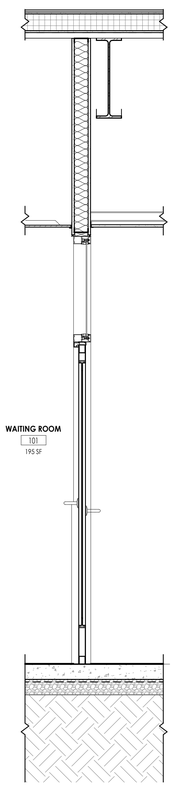
Drawing Title
WALL SECTIONS

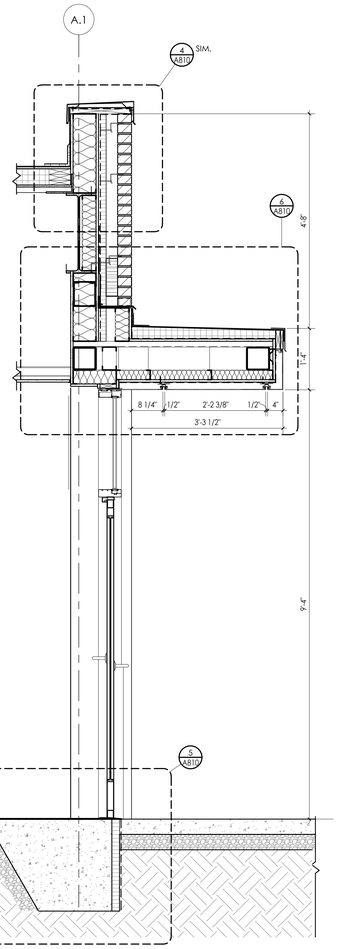
Drawing Number
A311

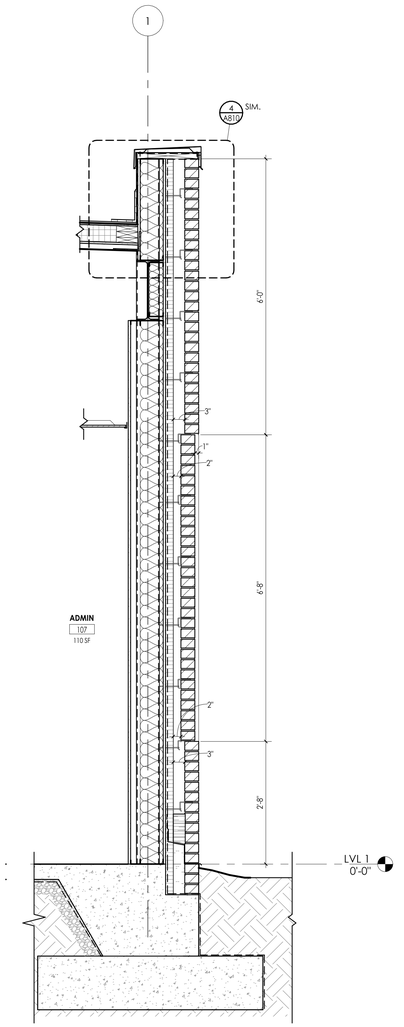
8/29/2024 5:54:52 PM <project location>\0 Design & Project Files on BIM 360











4 A312 **WALL SECTION @ VESTIBULE 128**
3/4" = 1'-0"

3 A312 **WALL SECTION @ WAITING ROOM GLAZING**
3/4" = 1'-0"

2 A312 **WALL SECTION@ ENTRANCE VESTIBULE**
3/4" = 1'-0"

1 A312 **WALL SECTION @ OFFSET BRICK AND STOREFRONT (LOW)**
3/4" = 1'-0"

8/27/2024 5:54:53 PM <project location> D Design & Project Files on BIM 360

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PROJECT INFORMATION

Project Number
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Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
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No. 00069
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 30483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

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08/27/2024

Scale
3/4" = 1'-0"

Project Status
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Drawn By
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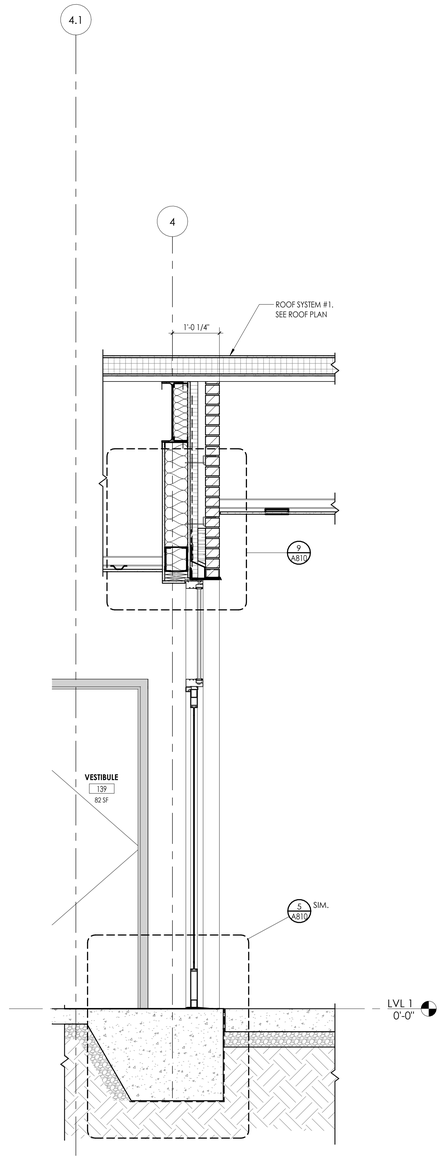
Drawing Title
WALL SECTIONS

Drawing Number
A312



3 A313 **WALL SECTION @ VESTIBULE 139**
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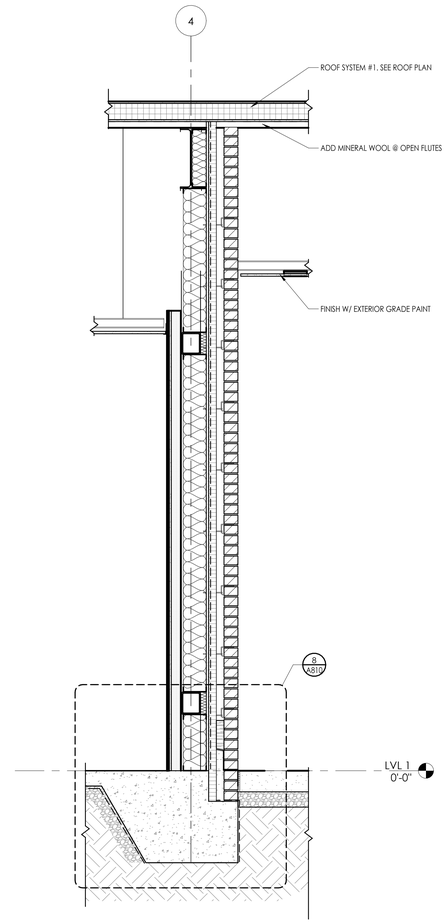
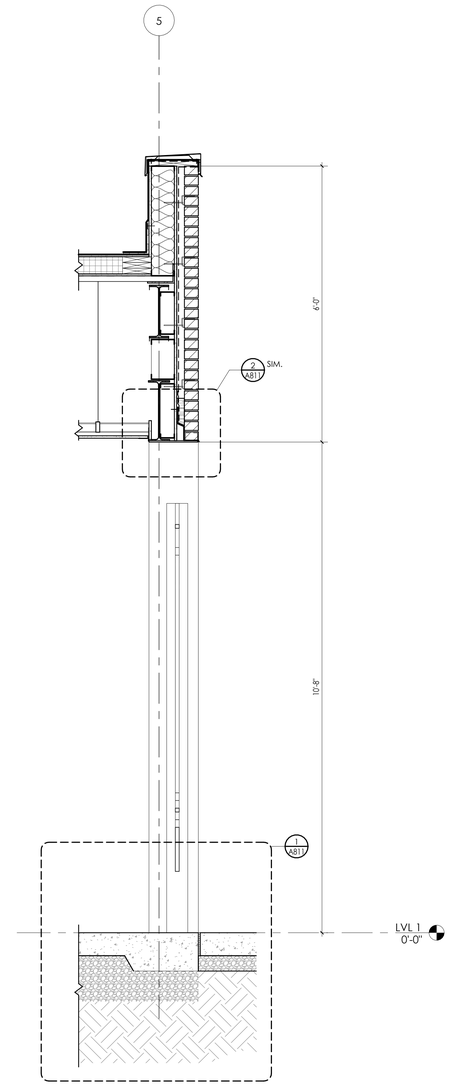


2 A313 **WALL SECTION @ PORT COCHERE**
3/4" = 1'-0"



1 A313 **WALL SECTION @ ACCENT WALL**
3/4" = 1'-0"

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PROJECT INFORMATION

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CORONER'S FACILITY - YCE
PROJECT #20312

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1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
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Charlotte, NC
No. 30483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

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08/27/2024

Scale
3/4" = 1'-0"

Project Status
100% CONSTRUCTION DOCUMENTS

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AC

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DMS

Drawing Title
WALL SECTIONS

Drawing Number
A313

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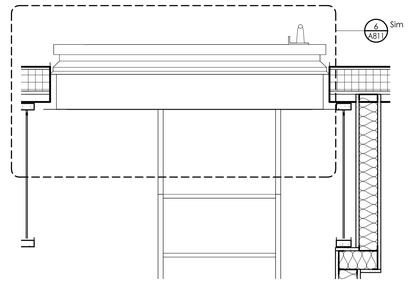
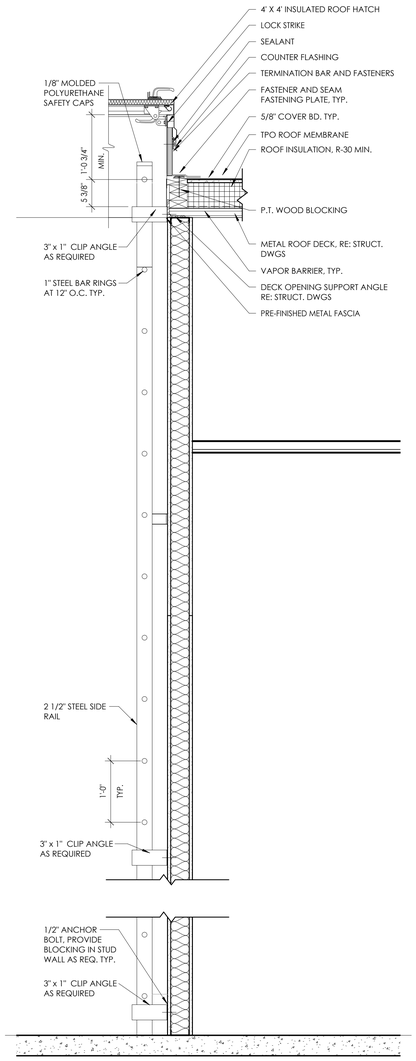


2 A314 ROOF HATCH - NORTH

1" = 1'-0"



1 A314 WALL SECTION @ ROOF HATCH LADER

1" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
JS Holkins arGreyen PC
Charlotte, North Carolina
No. 00069
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 31483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

Issued
08/27/2024

Scale
1" = 1'-0"

Project Status
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Drawing Title
WALL SECTIONS

Drawing Number
A314

8/29/2024 5:54:54 PM <project location> D Design & Project Files on BIM 360

PARTITION GENERAL NOTES

NOTE: ALL WALL TYPES MAY NOT BE USED ON THIS PROJECT.

PARTITION FRAMING NOTES:

1. **ANY PARTITION NOT DESIGNATED WITH A PARTITION TAG SHALL BE TYPE "A3ic."**
2. ALL PARTITIONS SHALL EXTEND TO STRUCTURE ABOVE, UNO. PROVIDE DIAGONAL BRACING AS REQUIRED.
3. REFER TO STRUCTURAL DRAWINGS FOR MASONRY WALL REINFORCEMENT, GROUTING, AND STRUCTURAL ATTACHMENT.
4. **WHERE 24" O.C. SPACING IS UTILIZED FOR ANY REASON, INCREASE STEEL GAUGE AS APPROPRIATE TO MAINTAIN INTEGRITY.**
5. REFER TO **SPECIFICATIONS** FOR METAL STUD GAUGE REQUIREMENTS. ASSUME A MIN STUD GAUGE OF 18 GA. INCREASE WHERE REQUIRED.
6. REFER TO **TYPICAL FIXTURE AND ACESSORIES** SHEET FOR BLOCKING REQUIREMENTS.
7. "LINE OF STRUCTURE" INDICATED IN TYPICAL DETAILS IS DIAGRAMMATIC ONLY.
8. **REFER TO HEAD OF WALL DETAILS FOR CONNECTION TO STRUCTURE AND FIRE-RATED REQUIREMENTS OF ALL PARTITIONS.**

PARTITION INSULATION & GWB NOTES:

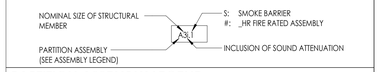
1. FOR RATED & SOUND ATTENUATED PARTITIONS:
   - A. SCRIBE GWB AROUND UNDERSIDE OF DECKING AND AROUND OF STRUCTURE.
   - B. FRICTION FIT SOUND ATTENUATING INSULATION BETWEEN STUDS TO FILL FULL DEPTH OF CAVITY.
     - a. NON-RATED PARTITIONS, USE: BATT INSULATION (FIBERGLASS)
     - b. RATED PARTITIONS, USE: ROCK WOOL
2. PARTITIONS ARE ASSUMED TO HAVE A BASELINE OF 5/8" TYPE 'X' GWB. PROVIDE ALTERNATIVE TYPES OF WALL BOARD BASED ON THE SPECIFIC LOCATION AND/OR FINISHES TO BE APPLIED:
   - A. PROVIDE 5/8" BACKER BOARD IN LIEU OF ONE LAYER GWB AT ALL WALL FACES RECEIVING TILE.
   - B. PROVIDE MOISTURE RESISTANT GWB AT ALL TOILET ROOMS, JANITOR'S CLOSETS AND OTHER WET LOCATIONS WHERE TILE AND TILE BACKER BOARD ARE NOT INSTALLED, INCLUDING BEHIND AND 2'-0" IN EACH DIRECTION FROM THE CENTERLINES OF ALL PLUMBING FIXTURES, UNO.
   - C. PROVIDE 5/8" IMPACT RESISTANT BOARD **WHERE INDICATED.**
   - D. PROVIDE 5/8" ABUSE BOARD **WHERE INDICATED.**
   - E. PROVIDE 5/8" ACOUSTIC GWB **WHERE INDICATED.**
3. PROVIDE CONTROL JOINTS A MAXIMUM OF 30'-0" APART, UNLESS NOTED OTHERWISE. PER ASTM C 840-17A. LOCATE ABOVE DOOR FRAMES WHERE POSSIBLE.
4. REFER TO SPECIFICATIONS FOR FINISH LEVEL INFORMATION.

PARTITION LIFE SAFETY NOTES:

PARTITION FINISH NOTES:

1. REFER TO INTERIOR DRAWINGS FOR LOCATIONS OF WALL TILE AND OTHER SPECIALTY/APPLIED WALL FINISHES.
2. WHERE LARGE FORMAT WALL TILE IS INDICATED ON FINISH DRAWINGS (15" OR LONGER IN ANY DIRECTION), PROVIDE ENHANCED WALL FINISH TOLERANCE. REFER TO **SPECIFICATIONS.**
3. TERMINATE THE INTERIOR PARTITION GYPSUM WALL BOARD 6" ABOVE THE CEILING FOR ALL WALL TYPES THAT HAVE A "c" DESIGNATION IN THE PARTITION TAG.

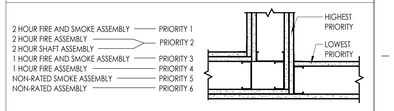
PARTITION TAG LEGEND

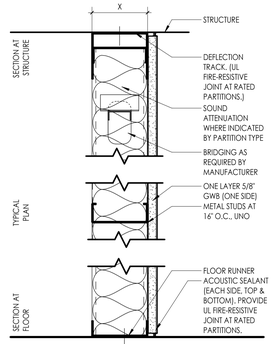


PARTITION ASSEMBLY LEGEND

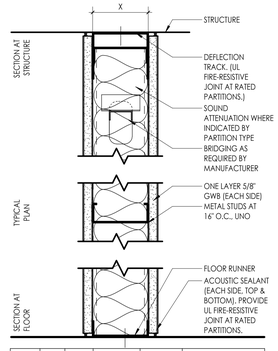
A STEEL STUDS 1 LAYER GWB, EACH SIDE	H SHAFT WALL SHAFT LINER, ONE SIDE	N WOOD STUDS 1 LAYER GWB, EACH SIDE
B STEEL STUDS 2 LAYER GWB, EACH SIDE	I SHAFT WALL SHAFT LINER, ONE SIDE 1 LAYER GWB, ONE SIDE	O WOOD STUDS 2 LAYER GWB, EACH SIDE
C STEEL STUDS 3 LAYER GWB, EACH SIDE	J SHAFT WALL SHAFT LINER, ONE SIDE 2 LAYER GWB, ONE SIDE	P WOOD STUDS 1 LAYER GWB, ONE SIDE
D STEEL STUDS 2 LAYER GWB, ONE SIDE 1 LAYER GWB, ONE SIDE	K SHAFT WALL SHAFT LINER, ONE SIDE 3 LAYER GWB, ONE SIDE	T TEMPORARY BARRIER
E STEEL FURRING 1 LAYER GWB, ONE SIDE	L SHAFT WALL SHAFT LINER + 1 LAYER GWB, ONE SIDE 2 LAYER GWB, ONE SIDE	U STEEL STUDS + FURRING 1 LAYER GWB, EACH SIDE
F STEEL STUDS 1 LAYER GWB, ONE SIDE	M CONCRETE MASONRY UNITS	V STEEL STUDS + FURRING 1 LAYER GWB, ONE SIDE
G STEEL STUDS 2 LAYER GWB, ONE SIDE		X (RESERVED FOR) RADIATION SHIELDING
		Y (RESERVED FOR) RF SHIELDING | MRI ENCLOSURE

PRIORITY LEGEND





TYPE	STRUC (x)	FIRE RATING	UL OR EQ LAB DESIGN NO.	SOUND ATTENUATED	STC TEST NUMBER
F1	1-5/8"	--	--	--	-- - --
F1i	1-5/8"	--	--	YES	-- - --
F2	2-1/2"	--	--	--	-- - --
F2i	2-1/2"	--	--	YES	-- - --
F3	3-5/8"	--	--	--	-- - --
F3i	3-5/8"	--	--	YES	STC 34 - NGC 2013012
F6	6"	--	--	--	-- - --
F6i	6"	--	--	YES	STC 37 - NGC 2013021



TYPE	STRUC (x)	FIRE RATING	UL OR EQ LAB DESIGN NO.	SOUND ATTENUATED	STC TEST NUMBER
A3	3-5/8"	--	--	--	STC 40 - NGC 2518
A3i	3-5/8"	--	--	YES	STC 46 - NGC 2018106
A3i.S	3-5/8"	SMOKE		YES	STC 46 - NGC 2018106
A3i.1	3-5/8"	1HR	U438 / U465	YES	STC 46 - NGC 2018106
A6	6"	--	--	--	-- - --
A6i	6"	--	--	YES	-- - --
A6i.1	6"	1HR	U438 / U465	YES	STC 50 - NGC 2017031

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CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

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PROFESSIONAL STAMPS

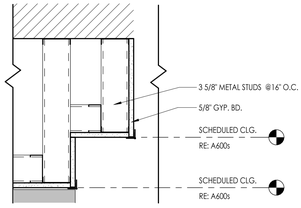
STATE OF SOUTH CAROLINA — REGISTERED ARCHITECTS — 2FL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 31493 — REGISTERED ARCHITECT — 8/27/2024

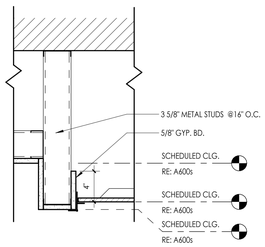
SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: PARTITION TYPES
Drawing Number: A400

8/29/2024 5:54:55 PM <project location>\2 Design & Project Files on BIM 360



4 A601 **ALCOVE DETAIL**
1 1/2" = 1'-0"



3 A601 **COMMAND CENTER DETAIL**
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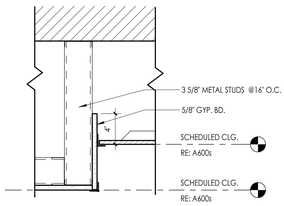
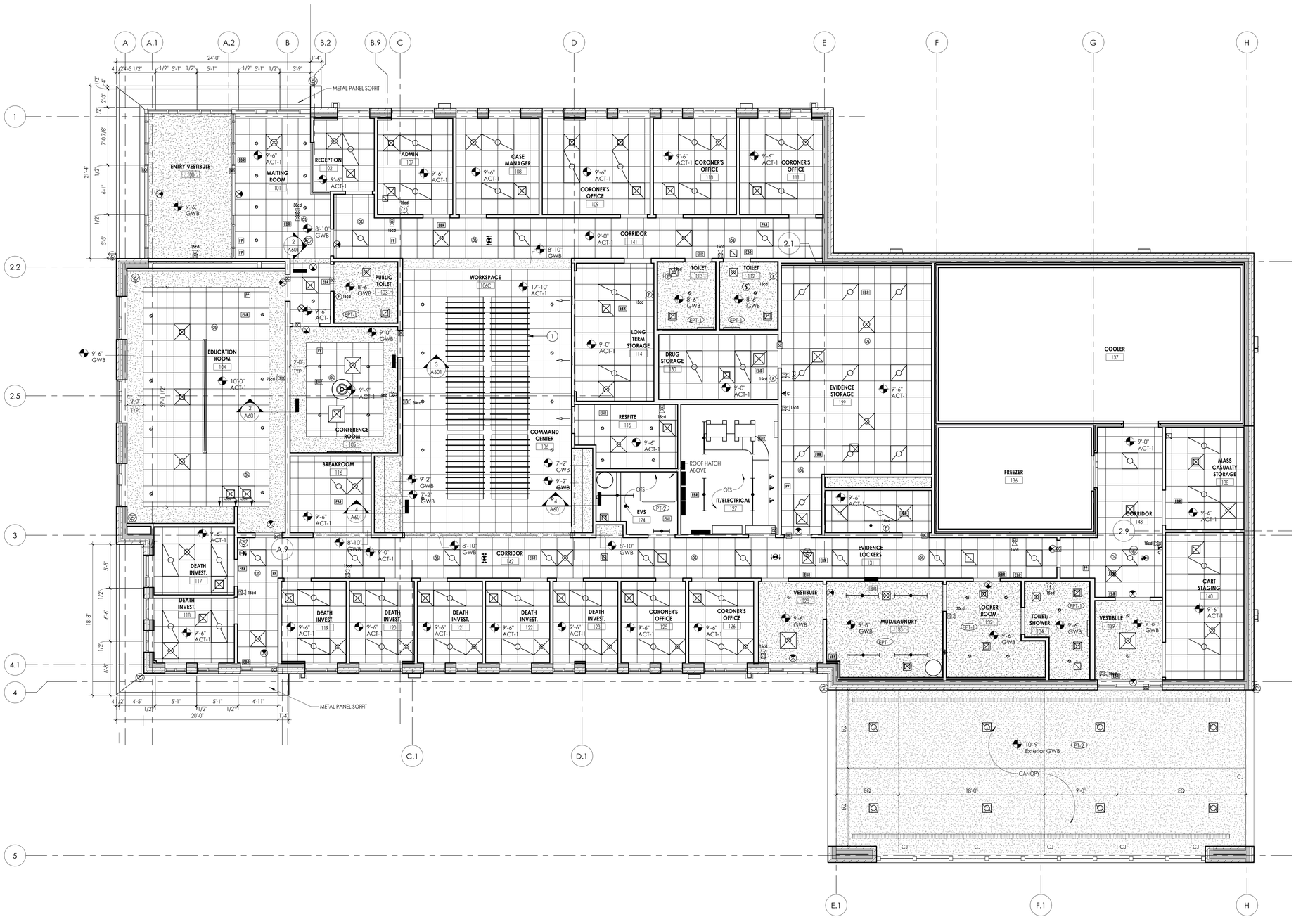


2 A601 **TYP. GWB SOFFIT DETAIL**
1 1/2" = 1'-0"



1 A601 **REFLECTED CEILING PLAN LEVEL 1**
3/16" = 1'-0"

TRUE NORTH

GENERAL CEILING NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO A200 SERIES FOR FLOOR PLAN.
3. FOR ANY DISCREPANCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR PLAN; THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPANCY SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
4. FIRE STOP MECHANICAL, ELECTRICAL AND PLUMBING ITEMS, INCLUDING BUT NOT LIMITED TO DUCTWORK AND CONDUIT PENETRATIONS THROUGH FLOORS AND WALLS.
5. COORDINATE CEILING INSTALLATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
6. REFER TO "H" SERIES DRAWINGS FOR DIFFUSERS AND GRILLE LOCATIONS.
7. REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
8. REFER TO "P" OR "FP" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS.
9. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
10. CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
11. VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN WIDTH.
12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.
13. ALL GYP. BD. CEILINGS AND SOFFITS SHALL BE PRIMED AND PAINTED PT-4 U.O.N. ON ALL FACES AND UNDERSIDE SURFACE.
14. VERIFY SOFFIT SIZE WITH MILLWORK SHOP DRAWINGS. PROVIDE 2" OVERHANG ON EXPOSED EDGES UNLESS NOTED OTHERWISE.
15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING TILE.
16. INSTALL CONTROL JOINTS IN GYP. CEILINGS PER ASTM C 840.

CEILING SYMBOL LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

- 2'X2' LIGHT
- 2'x4' LIGHTS
- 1'X4' LINEAR LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- PENDANT LIGHT FIXTURES
- WALL SCONCE
- SUPPLY AIR DIFFUSERS
- RETURN AIR DIFFUSERS
- EXHAUST DIFFUSERS
- LINEAR SLOT AIR DIFFUSERS
- GYPSUM WALL BOARD CEILING
- ACOUSTICAL TILE CEILING
- PLAM WOOD CEILING
- ACOUSTICAL WOOD CEILING TILE
- ACT-1 9'-0" — CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING KEYNOTES

1. ACOUSTICAL LIGHTING SYSTEM, MOUNT 12'-0" AFF. REFER TO ELECTRICAL.

CPL | Architecture Engineering Planning
6302 Fairview Road Suite 102.
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

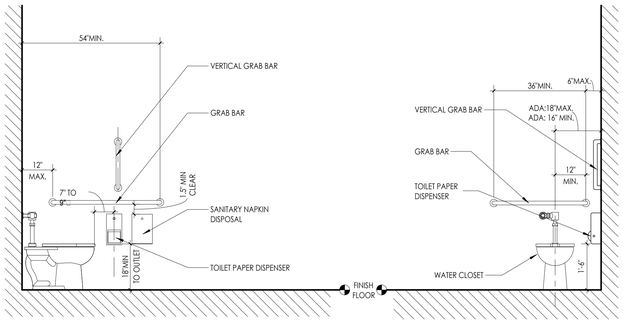
SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: OVERALL REFLECTED CEILING PLAN LEVEL 1

Drawing Number
-
A601

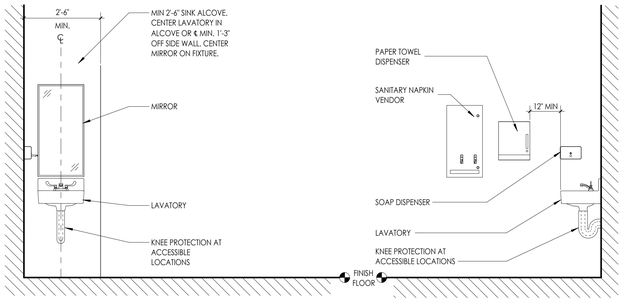
8/29/2024 5:54:57 PM <project location>:D Design & Project Files on BIM 360

TYPICAL TOILET AND SHOWER ACCESSORY LOCATIONS



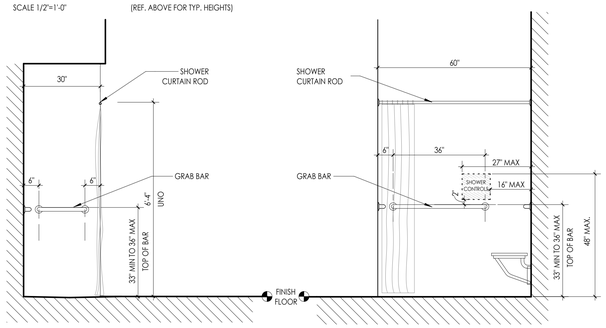
LOCATION AT TOILET

SCALE 1/2"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)



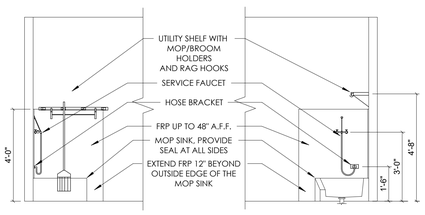
LOCATION AT SINK

SCALE 1/2"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)



LOCATION AT ROLL-IN SHOWER

SCALE 1/2"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)



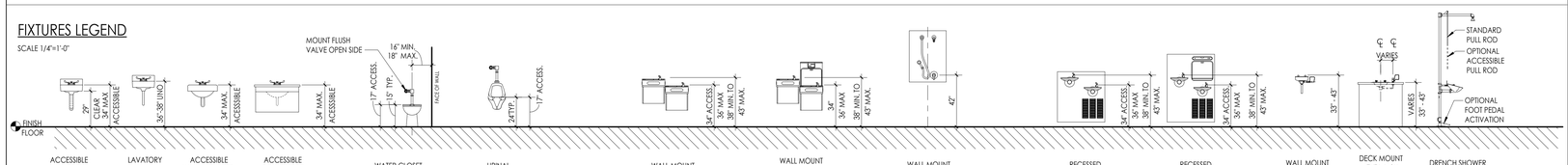
6 A700 **TYP. JANITOR ELEVATION**
3/8" = 1'-0"

PLUMBING FIXTURE LEGEND WITH MOUNTING HEIGHTS

SPECIAL NOTE: THIS SHEET IS INCLUDED FOR REFERENCE PURPOSES ONLY. SOME FIXTURES AND MOUNTING HEIGHTS SHOWN MAY NOT APPLY TO THE CURRENT DOCUMENTS

FIXTURES LEGEND

SCALE 1/4"=1'-0"

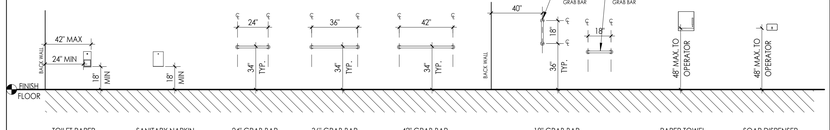


ACCESSIBLE LAVATORY | LAVATORY | ACCESSIBLE WALL MOUNTED SINK | ACCESSIBLE COUNTERTOP MOUNTED SINK | WATER CLOSET | URINAL | WALL MOUNT DRINKING FOUNTAIN | WALL MOUNT DRINKING FOUNTAIN WITH BOTTLE FILLER | WALL MOUNT SHOWER | RECESSED WATER COOLER | RECESSED WATER COOLER WITH BOTTLE FILLER | WALL MOUNT EYE WASH | DECK MOUNT EYE WASH RECESSED | DRENCH SHOWER EYE WASH COMBO

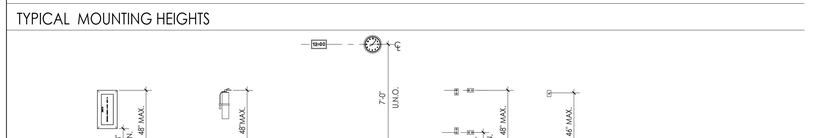
NOTES:
1. DIMENSIONS REFLECT MOUNTING HEIGHT ABOVE FINISH FLOOR
2. REFER TO FLOOR PLANS FOR APPROPRIATE LOCATION FOR FIXTURES.
3. KNEE PROTECTION AT ALL ACCESSIBLE SINKS.

TOILET ROOM ACCESSORIES LEGEND

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



TOILET PAPER DISPENSER	SANITARY NAPKIN DISPOSAL UNIT	24" GRAB BAR	36" GRAB BAR	42" GRAB BAR	18" GRAB BAR	PAPER TOWEL DISPENSER	SOAP DISPENSER
A	B	C	D	E	F	G	H
TORK S9TR (CFCI)	**BOBRICK B-254 (CFCI)**	**BOBRICK B-6806 (CFCI)**	**BOBRICK B-6806 (CFCI)**	**BOBRICK B-6806 (CFCI)**	**BOBRICK B-6806 (CFCI)**	**SAN JAMAR SUMMIT TB370BKSS (CFCI)**	**SAN JAMAR SUMMIT SF970BKSS (CFCI)**



MIRROR	WASTE RECEPTACLE	COAT/ROBE/TOWEL HOOK(S)	UTILITY SHELF W/ HOOKS	FOLDING SHOWER SEAT
I	J	K	L	M
BOBRICK B-2908 2436 (CFCI)	**(OFOI)**	**BOBRICK B-9542 (CFCI)**	**BOBRICK B-239 X 34 (CFCI)**	**BOBRICK B-5192 (CFCI)**

SHOWER CURTAIN, ROD AND HOOKS

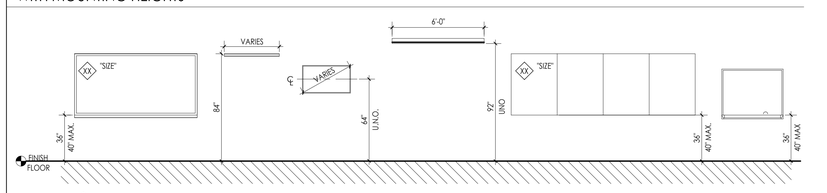
N SHOWER CURTAIN ROD	P LOCKER ROOM BENCH
O SHOWER CURTAIN & HOOKS	**ASI SOLID PLASTIC (CFCI)**

BOBRICK ROD B-207 CURTAIN 204-2 HOOKS 204-1 (CFCI)

NOTES:

1. DIMENSIONS REFLECT MOUNTING HEIGHT ABOVE FINISH FLOOR
2. REFER TO EQUIPMENT PLANS AND INTERIOR ELEVATIONS FOR APPROPRIATE LOCATION FOR ACCESSORIES.
4. (XXX) MODEL NUMBER BASIS OF DESIGN
5. OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
6. CFCI - CONTRACTOR FURNISHED CONTRACTOR INSTALLED

ACCESSORIES LEGEND WITH MOUNTING HEIGHTS

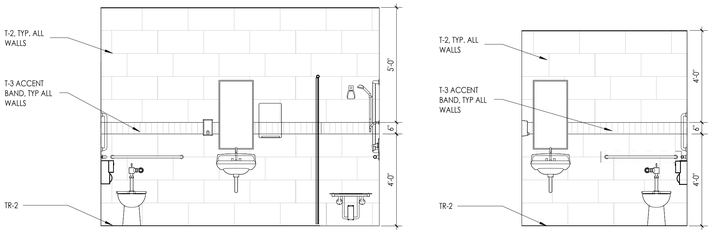


A1 CHALKBOARD	TACK STRIP A5	WALL MOUNTED TV A6	PROJECTION SCREEN A7	PRESENTATION BOARD A8	SMART BOARD A9
A2 MARKERBOARD					
A3 TACKBOARD					
A4 MARKERBOARD W/ RULES					

OFCI PROVIDE BLOCKING IN WALL AS REQUIRED

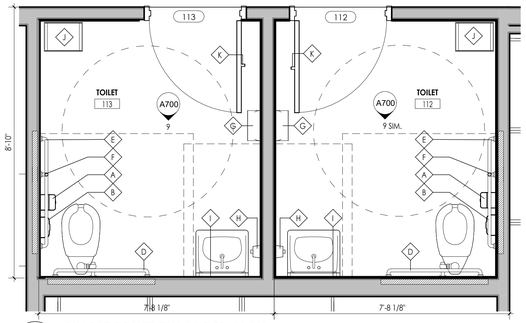
TYPICAL MOUNTING HEIGHTS

FIRE EXTINGUISHER CABINET | FIRE EXTINGUISHER ON BRACKET | DIGITAL / ANALOG CLOCK | ELECTRICAL OUTLETS | SWITCH

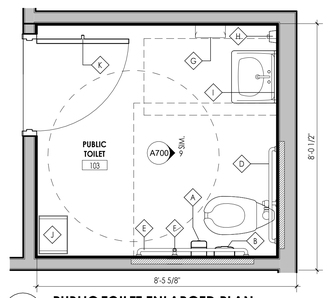


10 A700 **TOILET/SHOWER ELEVATION**
3/8" = 1'-0"

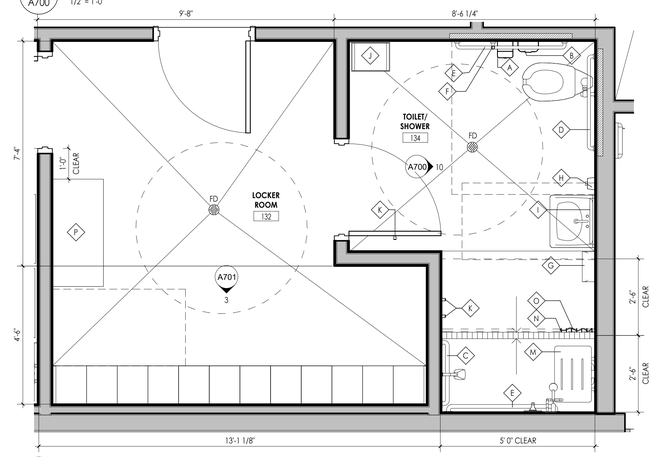
9 A700 **TYP. TOILET ELEVATION**
3/8" = 1'-0"



8 A700 **SINGLE TOILET ENLARGED PLAN**
1/2" = 1'-0"



11 A700 **PUBLIC TOILET ENLARGED PLAN**
1/2" = 1'-0"



7 A700 **LOCKER ROOM AND TOILET/SHOWER ENLARGED PLAN**
1/2" = 1'-0"

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6302 Fairview Road Suite 102.
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number: R23.0309.00

Client Name: **YORK COUNTY**

Project Name: **CORONER'S FACILITY - YCE PROJECT #20312**

Project Address: 1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

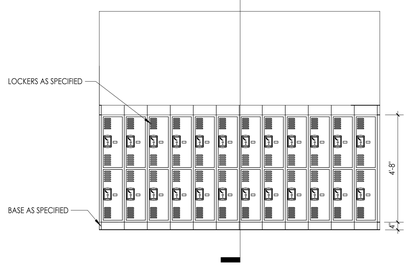
STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 31483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

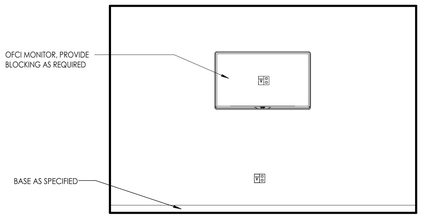
Issued	Scale
08/27/2024	As indicated
Project Status	
100% CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
AC	DMS

Drawing Title: GENERAL TYP. FIXTURE AND ACCESS. HEIGHTS AND LEGENDS (ADA)

Drawing Number: A700



3 A701 **LOCKER ROOM ELEVATION**
3/8" = 1'-0"



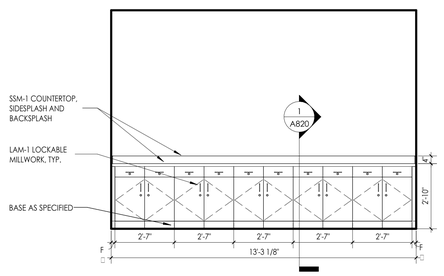
2 A701 **CONFERENCE ROOM ELEVATION**
3/8" = 1'-0"

APPLIANCE & EQUIPMENT SCHEDULE

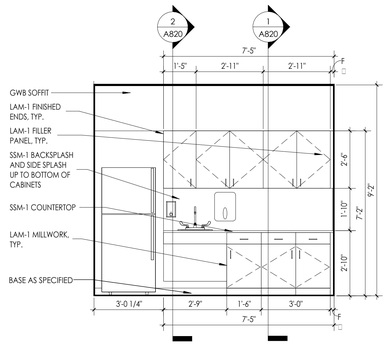
Type Mark	Description	Model	Manufacturer	FURN/INSTALLED
E-1	REFRIGERATOR, DOMESTIC WITH FREEZER	17.5 Cu. Ft. (GTE18GTH)	GE APPLIANCES	CFCI
E-2	COFFEE MACHINE	TBD	TBD	OFOI
E-3	MICROWAVE	2.2 CU FT BUILT IN (PEB7227DLWW)	GE APPLIANCES	CFCI
E-4	LOCKERS, 2 Tier Configuration	Worley S.A.T. Knock Down Locker	DeBourgh Manufacturing Co.	CFCI
E-5	PRINTER, COPIER	RE: IT	RE: IT	OFOI
E-6	BIN, SHREDDING, SECURE	Standard Front Load Console	Shred-it, Inc.	CFCI
E-7	WORSTATION, COMPUTER	RE: IT	RE: IT	OFOI
E-8	TELEPHONE	RE: IT	RE: IT	OFOI
E-10	LOCKERS	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI
E-11	WASHER	GTW485ASWWB	GE APPLIANCES	CFCI
E-12	DRYER	GTD48EASWWB	GE APPLIANCES	CFCI
E-14	MORTUARY RACK	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI
E-15	FRENCH DOOR REFRIGERATOR	EXISTING TO REMAIN	EXISTING TO REMAIN	CFCI
E-16	REACH-IN FREEZER	EXISTING TO REMAIN	EXISTING TO REMAIN	CFCI
E-17	REFRIGERATOR, DOMESTIC NO FREEZER	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI
E-18	MORTUARY RACK	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI

GENERAL INTERIOR ELEVATIONS NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.
3. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.
4. REFER TO I000 AND COLOR LEGEND FOR FINISHES.
5. REFER TO A200 SERIES DRAWINGS FOR ADDITIONAL SPECIALTIES.
6. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS.
7. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
8. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL.
9. PROVIDE SUPPORT BRACKETS AT WORK SURFACES, 42" MAX BETWEEN BRACKETS UNLESS NOTED OTHERWISE.
10. GROMMETS TO BE INSTALLED IN FIELD AND COORDINATED WITH I.T. EQUIPMENT.
11. REFER TO A700 FOR TOILET FIXTURE AND ACCESSORIES LEGEND AND MOUNTING HEIGHTS.
12. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR THE COORDINATION OF M.E.P. INFRASTRUCTURE TO OPERATE ITEMS UNDER THIS SCOPE U.O.N.
13. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS AND LOCATIONS OF MEP CONNECTION LOCATIONS.
14. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.



1 A701 **EDUCATION ROOM ELEVATION**
3/8" = 1'-0"



D1 A701 **LAB STATION ELEVATION**
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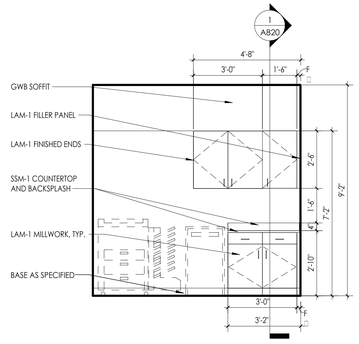
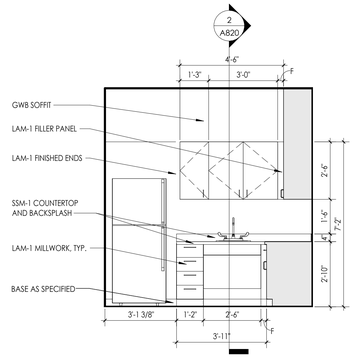
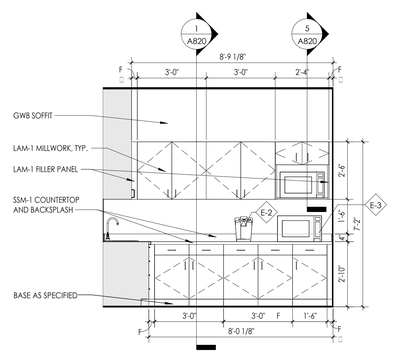


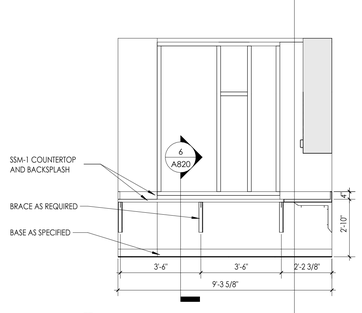
C3 A701 **PRINT/COPY ELEVATION**
3/8" = 1'-0"



C2 A701 **BREAKROOM ELEVATION B**
3/8" = 1'-0"



C1 A701 **BREAKROOM ELEVATION A**
3/8" = 1'-0"



B2 A701 **ADMIN - NORTH ELEVATION**
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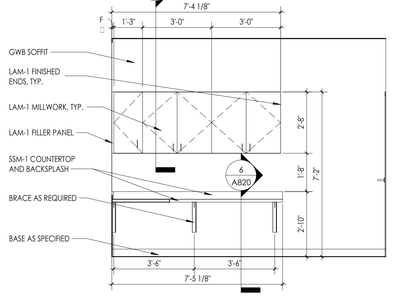

B1 A701 **ADMIN - EAST ELEVATION**
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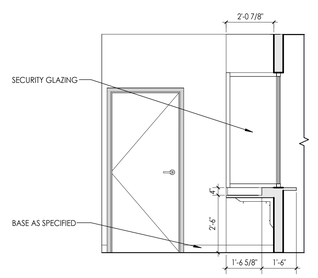
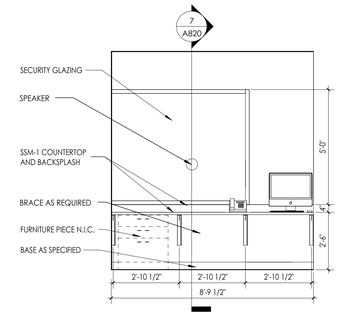


A3 A701 **RECEPTION - SOUTH ELEVATION**
3/8" = 1'-0"



A2 A701 **RECEPTION - WEST ELEVATION**
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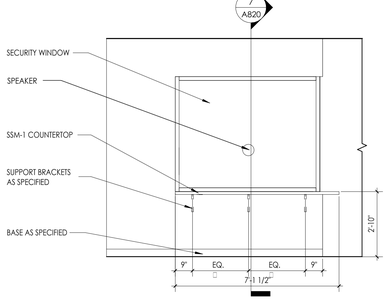
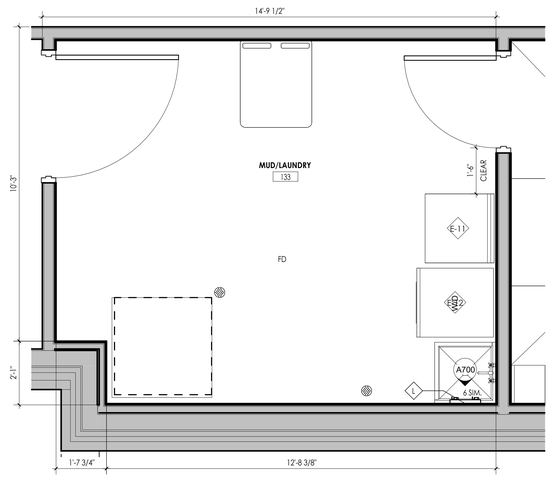
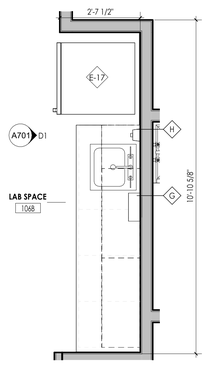


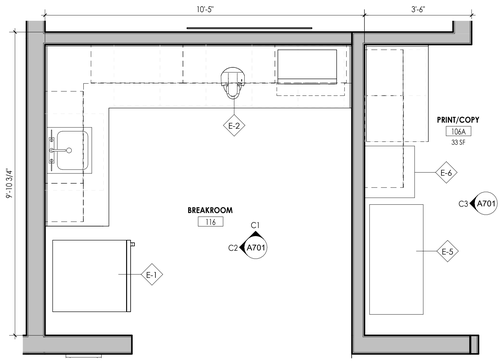
A1 A701 **RECEPTION - EAST ELEVATION**
3/8" = 1'-0"



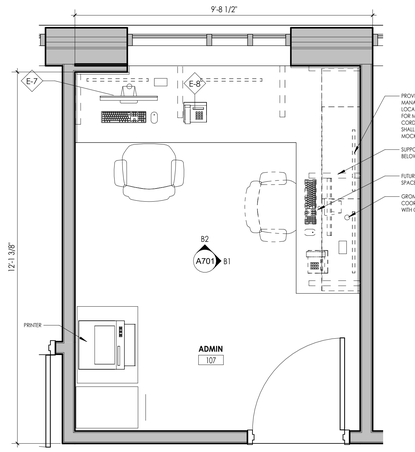
E A701 **MUD ROOM AND DRYING ROOM ENLARGED PLAN**
1/2" = 1'-0"



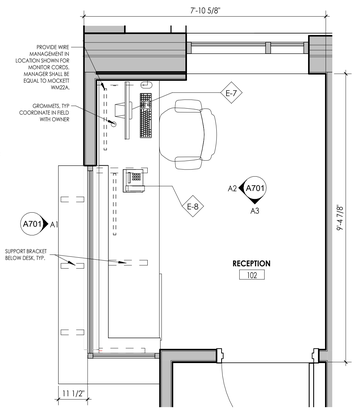
D A701 **LAB SPACE ENLARGED PLAN**
1/2" = 1'-0"



C A701 **BREAK ROOM AND PRINT AREA ENLARGED PLAN**
1/2" = 1'-0"



B A701 **ADMIN. OFFICE ENLARGED PLAN**
1/2" = 1'-0"



A A701 **RECEPTION ENLARGED PLAN**
1/2" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

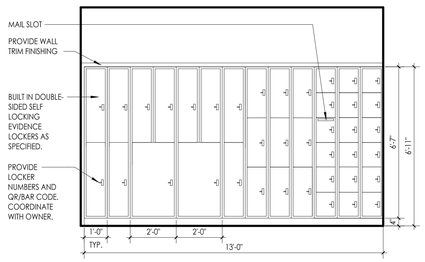
STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS

Drawing Number
-
A701



1 A702 **EVIDENCE LOCKERS ELEVATION**

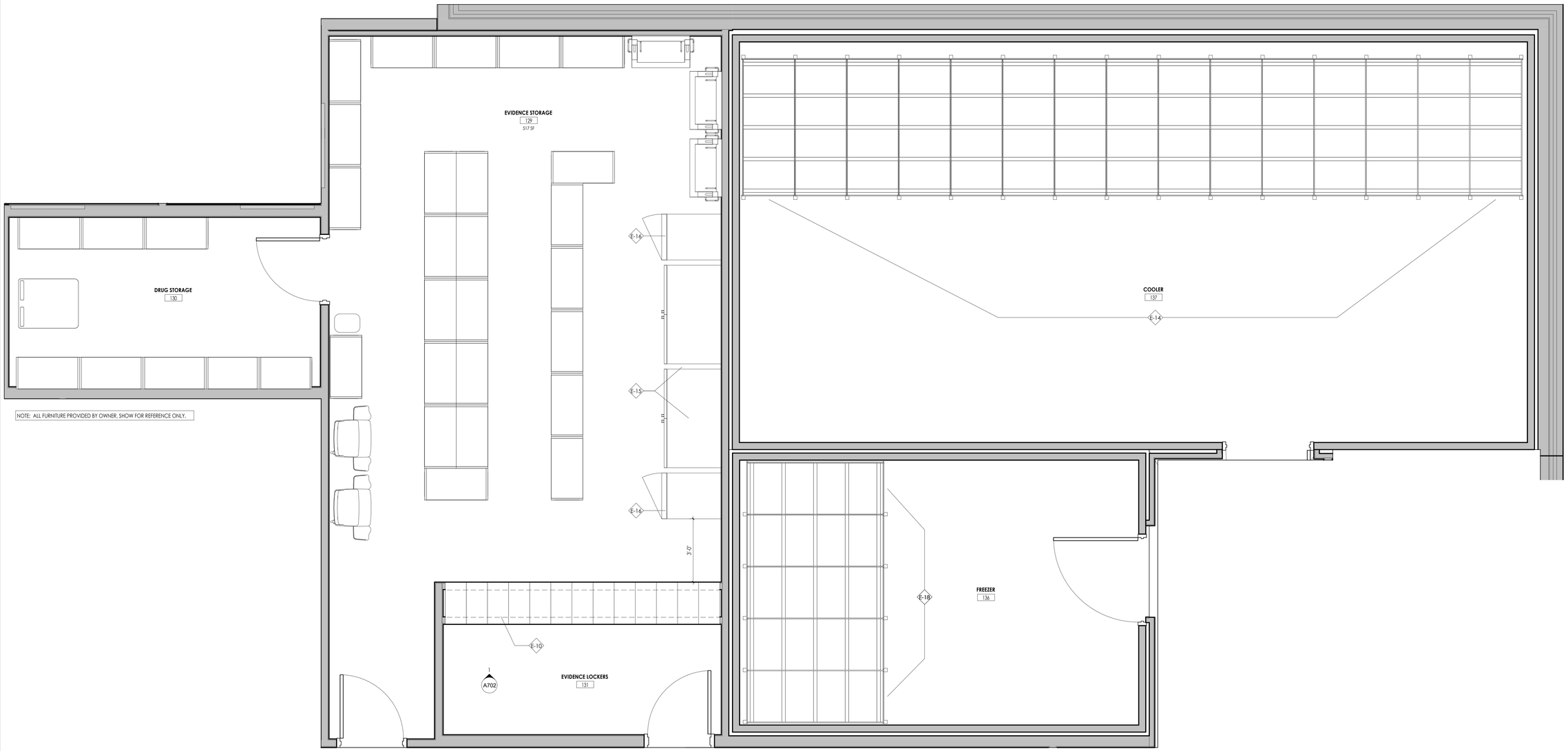
3/8" = 1'-0"

APPLIANCE & EQUIPMENT SCHEDULE

Type Mark	Description	Model	Manufacturer	FURN/INSTALLED
E-1	REFRIGERATOR, DOMESTIC WITH FREEZER	17.5 Cu. Ft. (GTE18GTH)	GE APPLIANCES	CFCI
E-2	COFFEE MACHINE	TBD	TBD	OFOI
E-3	MICROWAVE	2.2 CU FT BUILT IN (PEB7227DLWW)	GE APPLIANCES	CFCI
E-4	LOCKERS, 2 Tier Configuration	Worley S.A.T. Knock Down Locker	DeBourgh Manufacturing Co.	CFCI
E-5	PRINTER, COPIER	RE: IT	RE: IT	OFOI
E-6	BIN, SHREDDING, SECURE	Standard Front Load Console	Shred-it, Inc.	CFCI
E-7	WORSTATION, COMPUTER	RE: IT	RE: IT	OFOI
E-8	TELEPHONE	RE: IT	RE: IT	OFOI
E-10	LOCKERS	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI
E-11	WASHER	GTW485ASWWB	GE APPLIANCES	CFCI
E-12	DRYER	GTD48EASWWB	GE APPLIANCES	CFCI
E-14	MORTUARY RACK	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI
E-15	FRENCH DOOR REFRIGERATOR	EXISTING TO REMAIN	EXISTING TO REMAIN	CFCI
E-16	REACH-IN FREEZER	EXISTING TO REMAIN	EXISTING TO REMAIN	CFCI
E-17	REFRIGERATOR, DOMESTIC NO FREEZER	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI
E-18	MORTUARY RACK	REFER TO SPECIFICATIONS	REFER TO SPECIFICATIONS	CFCI

GENERAL INTERIOR ELEVATIONS NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.
3. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.
4. REFER TO ID00 AND COLOR LEGEND FOR FINISHES.
5. REFER TO A200 SERIES DRAWINGS FOR ADDITIONAL SPECIALTIES.
6. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS.
7. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
8. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL.
9. PROVIDE SUPPORT BRACKETS AT WORK SURFACES, 42" MAX BETWEEN BRACKETS UNLESS NOTED OTHERWISE.
10. GROMMETS TO BE INSTALLED IN FIELD AND COORDINATED WITH I.T. EQUIPMENT.
11. REFER TO A700 FOR TOILET FIXTURE AND ACCESSORIES LEGEND AND MOUNTING HEIGHTS.
12. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR THE COORDINATION OF M.E.P. INFRASTRUCTURE TO OPERATE ITEMS UNDER THIS SCOPE U.O.N.
13. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS AND LOCATIONS OF MEP CONNECTION LOCATIONS.
14. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.



2 A702 **EVIDENCE STORAGE ENLARGED PLAN**

1/2" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

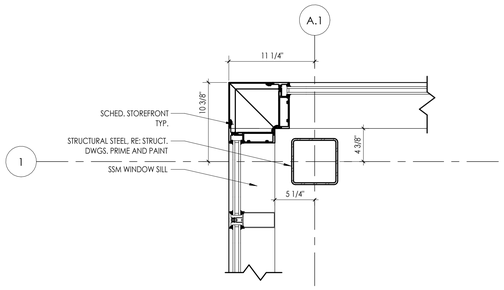
STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

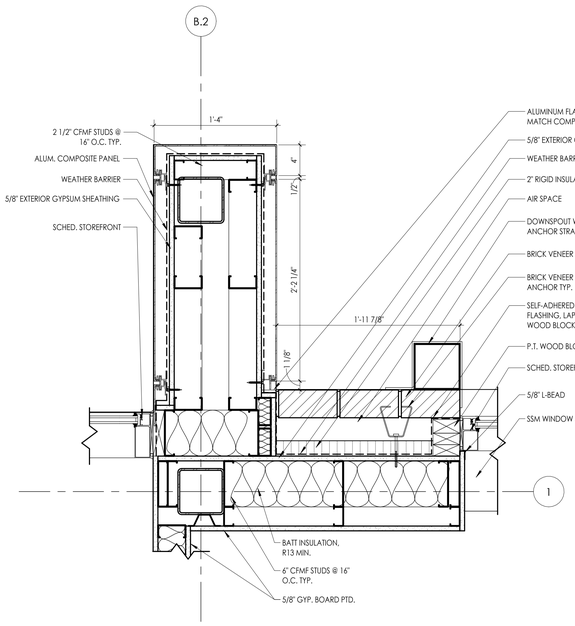
STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

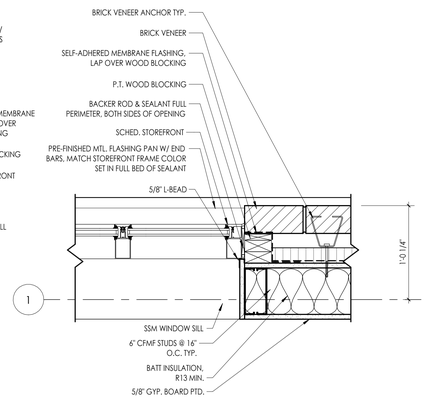
SHEET INFORMATION

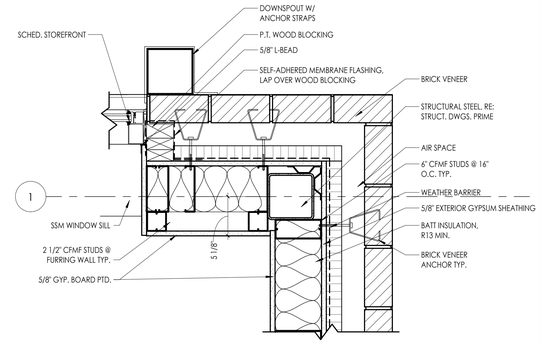
Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS
Drawing Number: A702

8/29/2024 5:55:01 PM <project location>\0 Design & Project Files on BIM 360

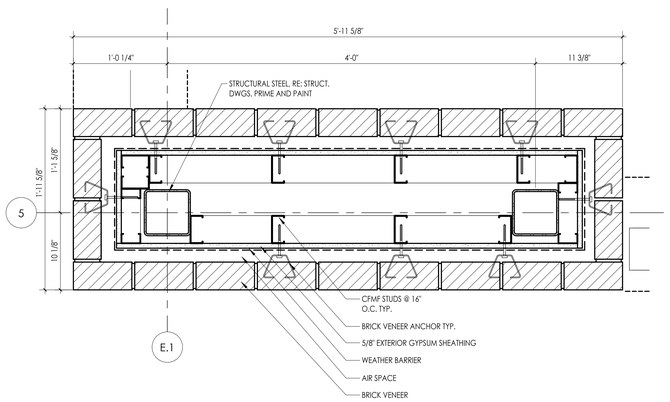




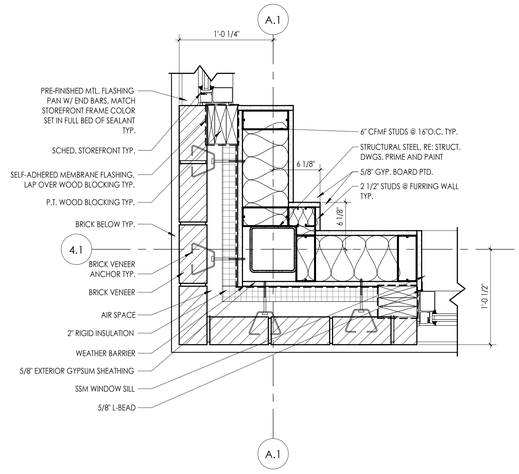




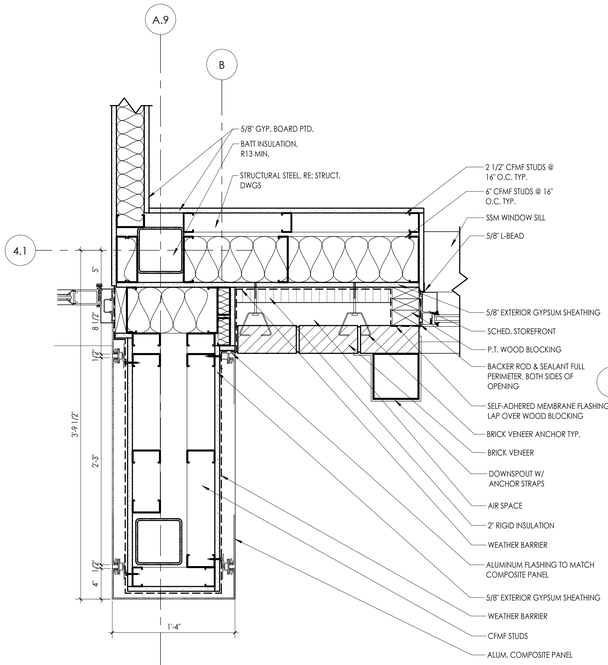
8 PLAN DETAIL AT ENTRANCE VESTIBULE STOREFRONT CORNER
A800 — 1 1/2" = 1'-0"



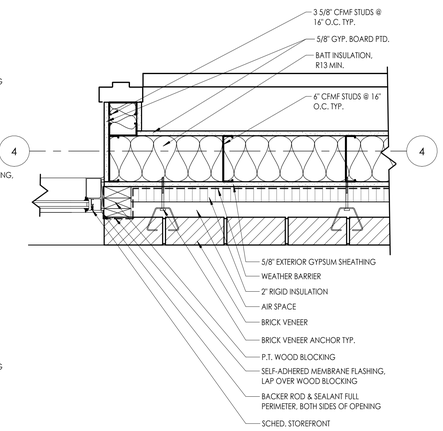
4 PLAN DETAIL AT SALLY PORT PIER
A800 — 1 1/2" = 1'-0"



7 METAL PANEL & STOREFRONT
A800 — 1 1/2" = 1'-0"



6 TYP. STOREFRONT JAM ACCENT BRICK
A800 — 1 1/2" = 1'-0"



5 TYP. STOREFRONT JAM BRICK #1
A800 — 1 1/2" = 1'-0"

3 STOREFRONT & ACCENT BRICK
A800 — 1 1/2" = 1'-0"

2 METAL PANEL & STOREFRONT DOOR
A800 — 1 1/2" = 1'-0"

1 TYPICAL STOREFRONT JAM AT BRICK
A800 — 1 1/2" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

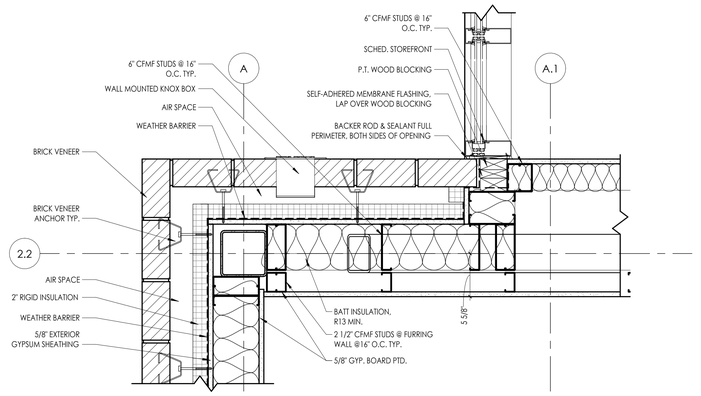
STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

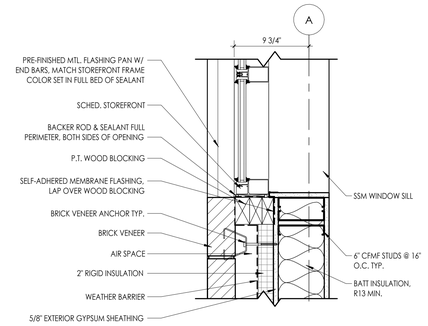
SHEET INFORMATION

Issued: 08/27/2024
Scale: 1 1/2" = 1'-0"
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: PLAN DETAILS

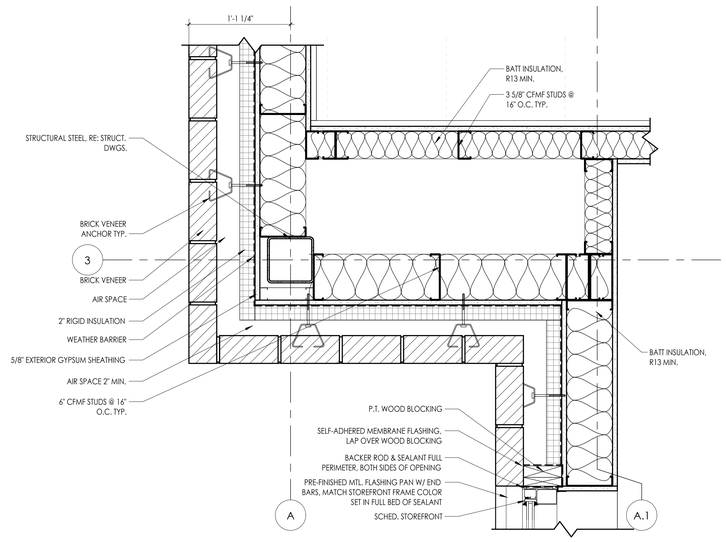
Drawing Number
A800



3 A801 **VESTIBLE STOREFRONT BRICK #2**
1 1/2" = 1'-0"



2 A801 **TYP. STOREFRONT JAM BRICK #2**
1 1/2" = 1'-0"



1 A801 **STOREFRONT & BRICK #2**
1 1/2" = 1'-0"

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Charlotte, NC 28210
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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA
DY Architects and Engineers, P.C.
Charlotte, North Carolina
No. 00069
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 30483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

Issued
08/27/2024

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

Project Status
100% CONSTRUCTION DOCUMENTS

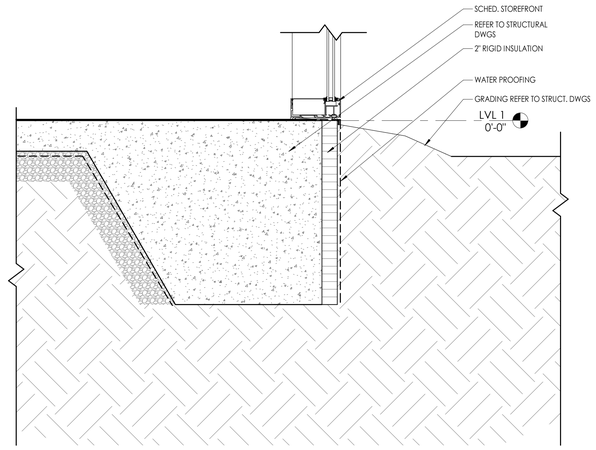
Drawn By
AC

Checked By
DMS

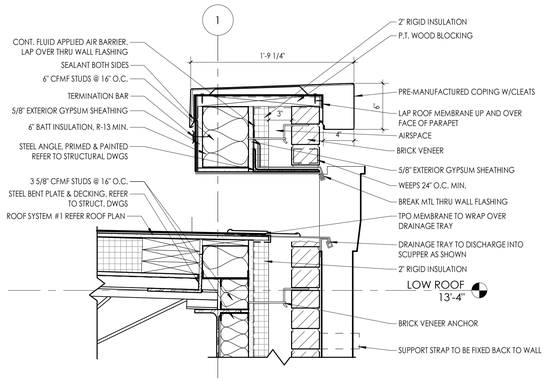
Drawing Title
PLAN DETAILS

Drawing Number
-
A801

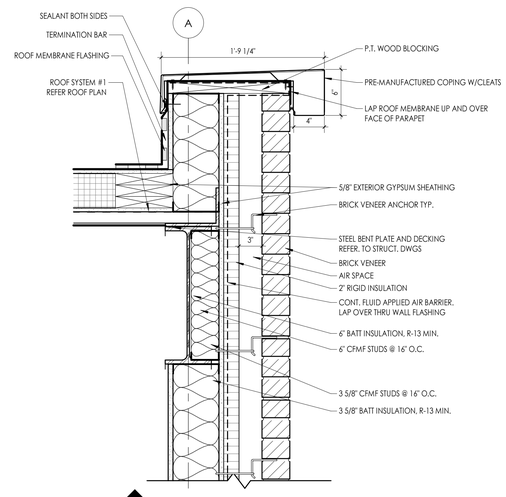
8/29/2024 5:55:07 PM <project location>\3 Design & Project Files on BIM 360



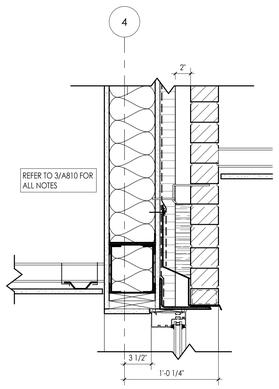
10 A810 **FOUNDATION DETAIL @ STOREFRONT**
1 1/2" = 1'-0"



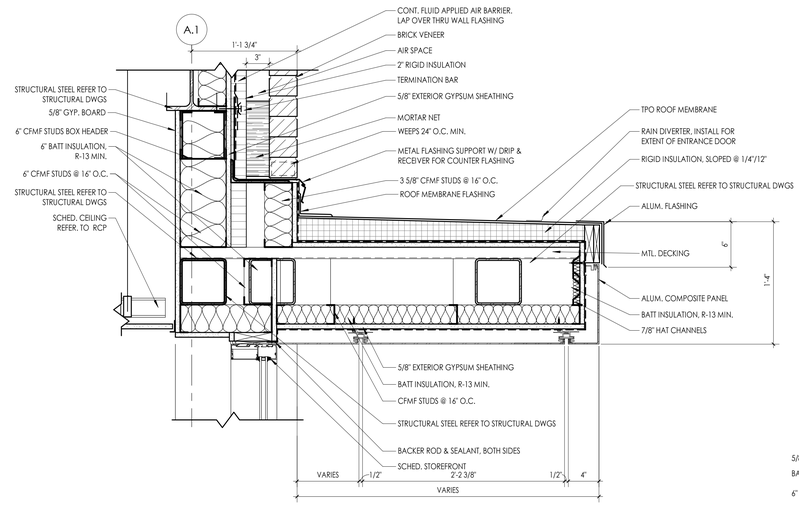
7 A810 **PARAPET CAP DETAIL @ SCUPPER**
1 1/2" = 1'-0"



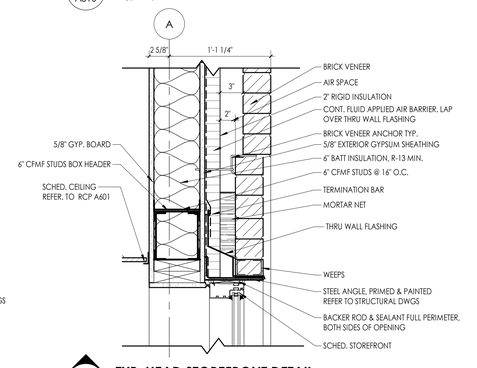
4 A810 **TYPICAL PARAPET CAP DETAIL AT BRICK**
1 1/2" = 1'-0"



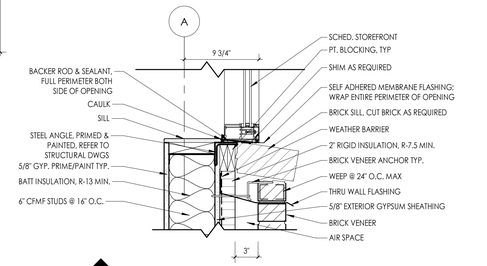
9 A810 **STOREFRONT @ 2" AIRSPACE**
1 1/2" = 1'-0"



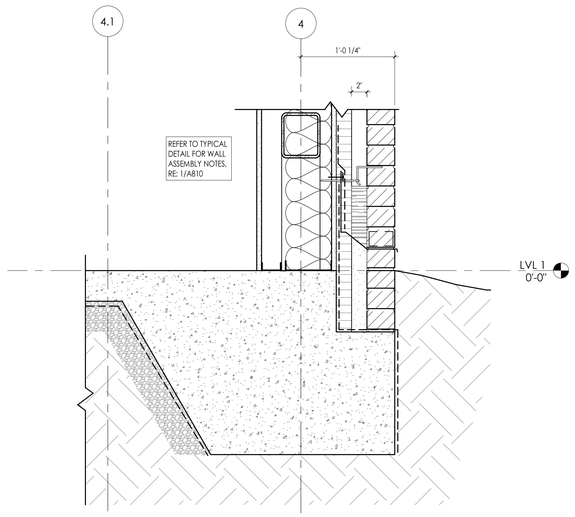
6 A810 **HEAD STOREFRONT DETAIL AT CANOPY**
1 1/2" = 1'-0"



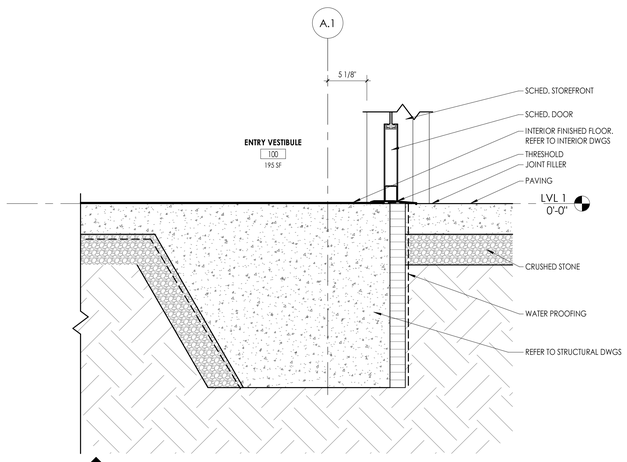
3 A810 **TYP. HEAD STOREFRONT DETAIL**
1 1/2" = 1'-0"



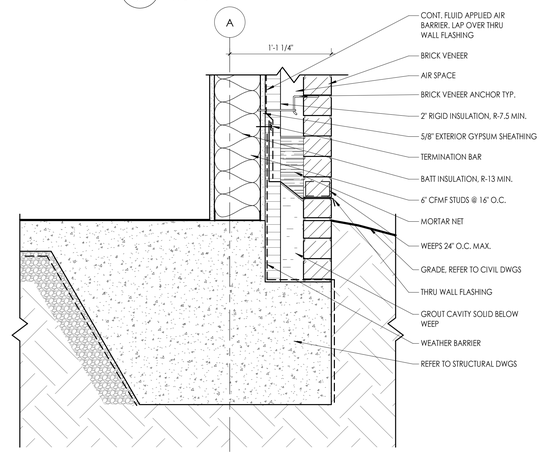
2 A810 **TYP. SILL STOREFRONT DETAIL**
1 1/2" = 1'-0"



8 A810 **FOUNDATION DETAIL @ BRICK (2" AIRSPACE)**
1 1/2" = 1'-0"



5 A810 **FOUNDATION DETAIL @ VESTIBULE STOREFRONT**
1 1/2" = 1'-0"



1 A810 **TYP FOUNDATION DETAIL @ BRICK**
1 1/2" = 1'-0"

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6302 Fairview Road Suite 102,
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
A	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

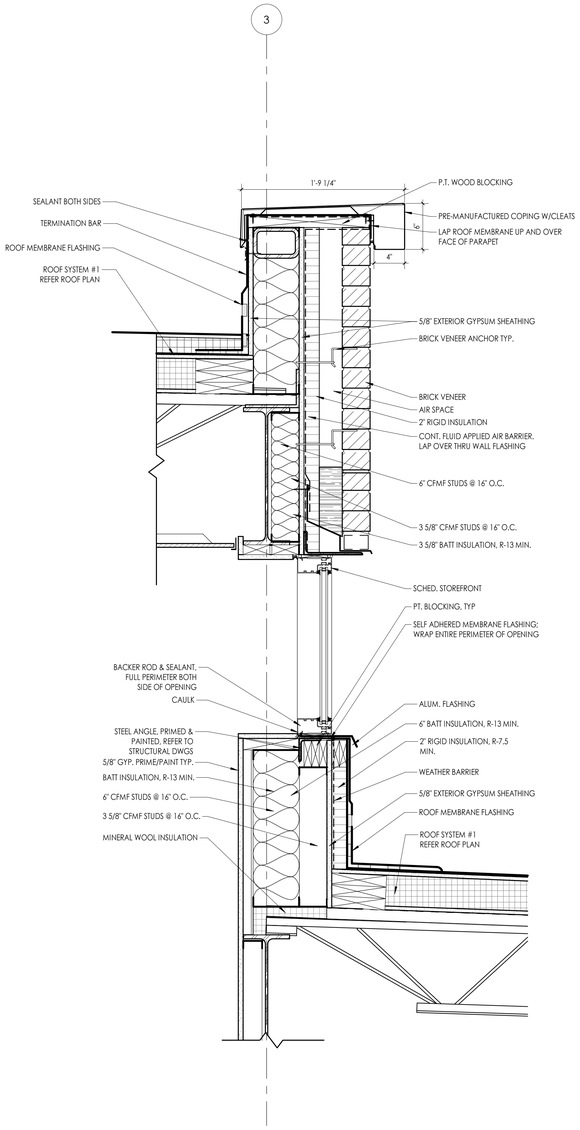
STATE OF SOUTH CAROLINA — PTI Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 31493 — REGISTERED ARCHITECT — 8/27/2024

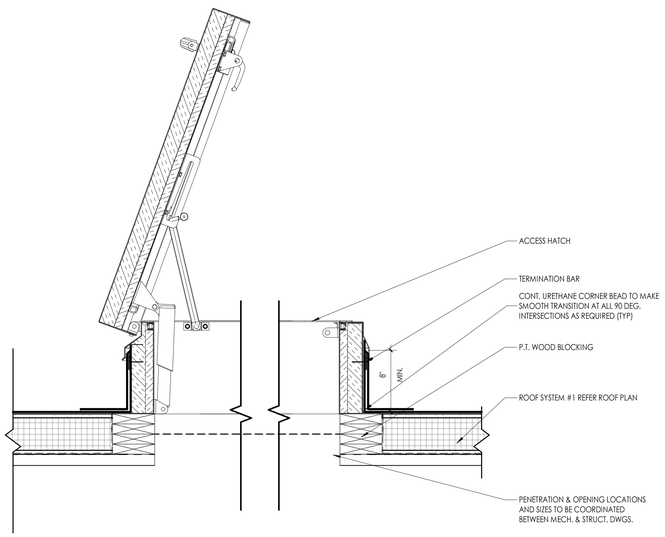
SHEET INFORMATION

Issued: 08/27/2024
Scale: 1 1/2" = 1'-0"
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: SECTION DETAILS

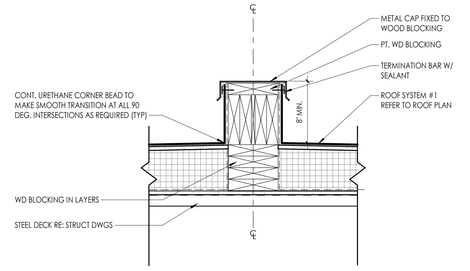
Drawing Number
A810



7 A811 **SECTION DETAIL AT CLERESTORY WINDOWS**
1 1/2" = 1'-0"

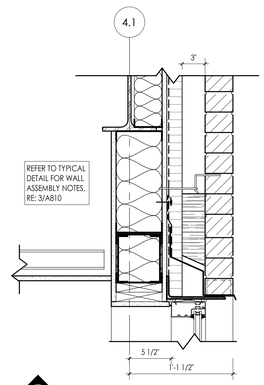


6 A811 **SECTION DETAIL AT ROOF ACCESS HATCH**
1 1/2" = 1'-0"

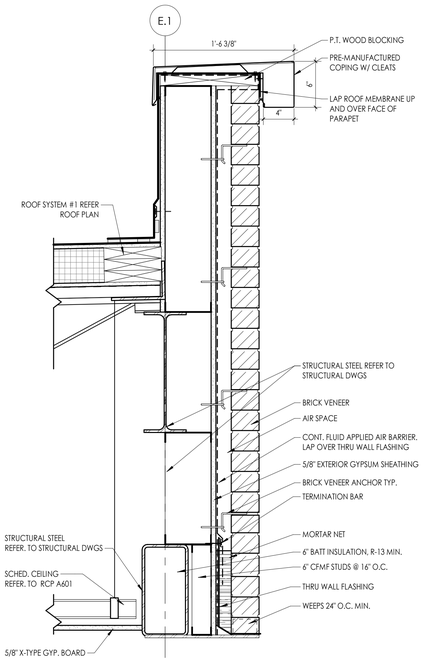


5 A811 **SECTION DETAIL AT AREA RAIL**
1 1/2" = 1'-0"

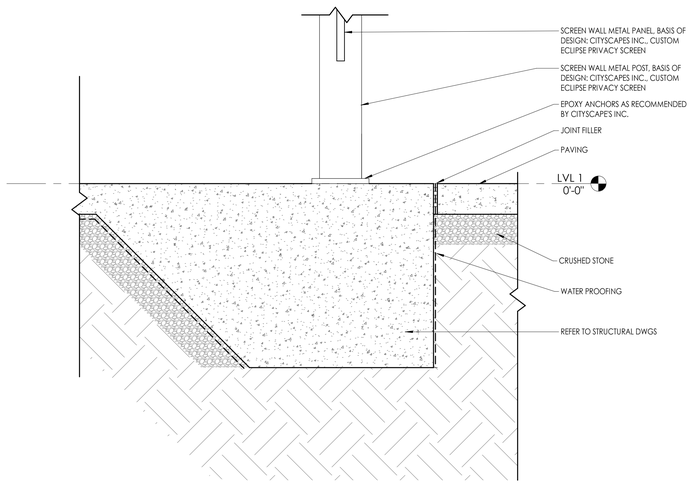
4 A811 **RECESSED SLAB @ FREEZER WALL**
1 1/2" = 1'-0"



3 A811 **STOREFRONT @ 3" AIRSPACE**
1 1/2" = 1'-0"



2 A811 **PARAPET CAP DETAIL @ SALLY PORT**
1 1/2" = 1'-0"



1 A811 **FOUNDATION DETAIL @ PRIVACY FENCE**
1 1/2" = 1'-0"

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6302 Fairview Road Suite 102,
Charlotte, NC 28210
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York County South Carolina

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
A	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — REGISTERED ARCHITECTS — JPJ Architects and Engineers PC — Charlotte, North Carolina — No. 00069

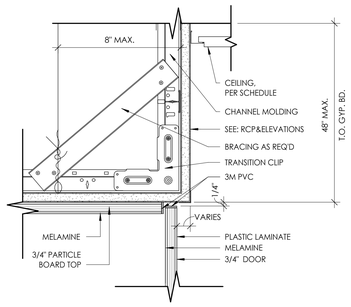
STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — Ref. 31683 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued: 08/27/2024
Scale: 1 1/2" = 1'-0"
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: AC
Checked By: DMS
Drawing Title: SECTION DETAILS

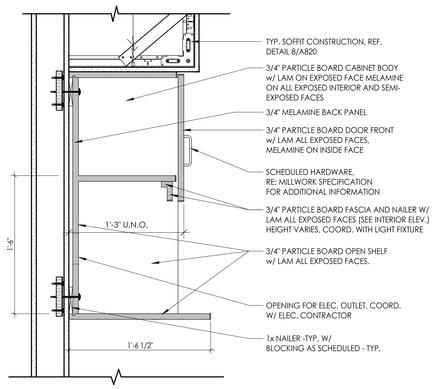
Drawing Number
A811

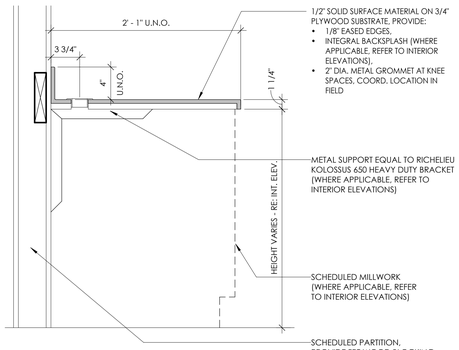
1/15/2025 8:23:14 AM <project location>\3 Design & Project Files on BIM 360



8 A820 UPPER CABINET VERTICAL FASCIA PANEL DETAIL

3" = 1'-0"



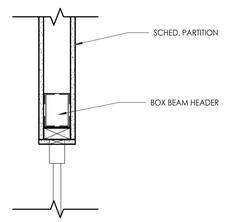


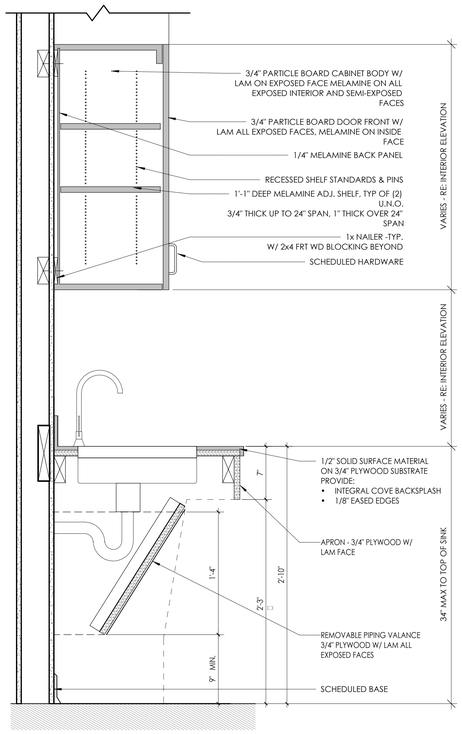
6 A820 TYP. SOLID SURFACE WORKSTATION

1 1/2" = 1'-0"

5 A820 TYP. UPPER CABINET WITH MICROWAVE SHELF

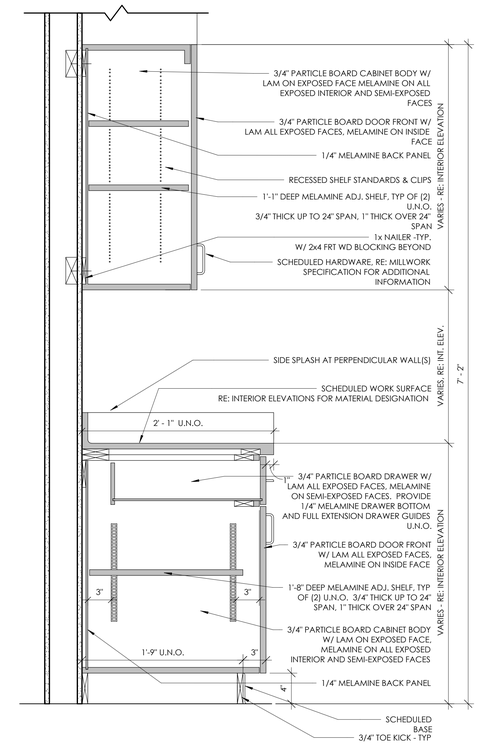
1 1/2" = 1'-0"





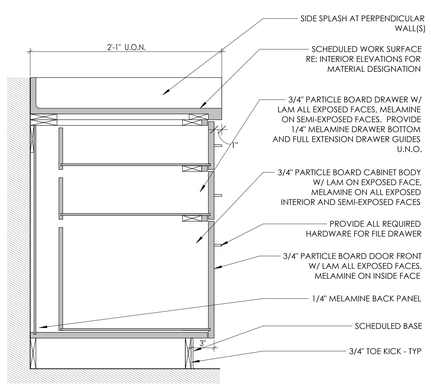
2 A820 TYP. ADA SINK AND MILLWORK SECTION

1 1/2" = 1'-0"



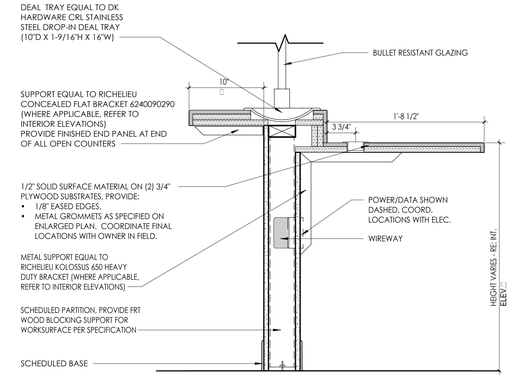
1 A820 TYP. BASE AND UPPER CABINET MILLWORK SECTION

1 1/2" = 1'-0"



3 A820 TYPICAL BASE CABINET DRAWER STACK SECTION

1 1/2" = 1'-0"



7 A820 RECEPTION DESK TRANSACTION WORK TOP

1 1/2" = 1'-0"

CPL | Architecture Engineering Planning
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Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

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PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

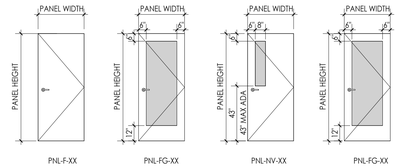
STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated
Project Status	
100% CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
AC	DMS

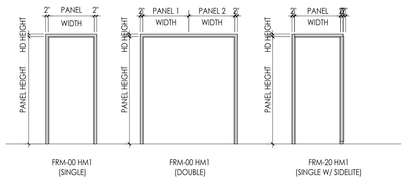
Drawing Title
MILLWORK DETAILS

Drawing Number
A820



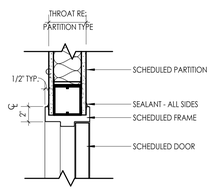
DOOR PANEL TYPES

1/4" = 1'-0"

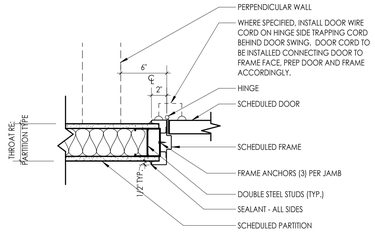


DOOR FRAME TYPES

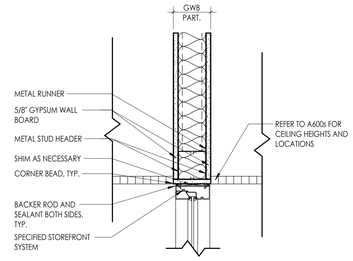
1/4" = 1'-0"



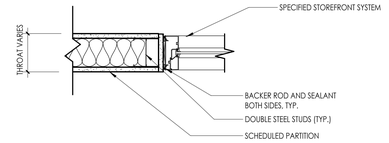
1 A900 **HM FRAME DOOR - HEAD DETAIL**
1 1/2" = 1'-0"



2 A900 **HM FRAME DOOR - JAMB DETAIL**
1 1/2" = 1'-0"



3 A900 **INTERIOR STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"



4 A900 **INTERIOR STOREFRONT JAMB DETAIL**
1 1/2" = 1'-0"

DOOR AND FRAME NOTES

1. REFER TO A900S FOR DOOR & FRAME SCHEDULE
2. ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT. INTERIOR AND EXTERIOR
3. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO BE VERIFIED IN FIELD AND COORDINATED WITH APPROVED SHOP DRAWINGS PRIOR TO FABRICATION.
4. SEE SCHEDULE FOR DOOR & FRAME MATERIAL

DOOR AND FRAME SCHEDULE LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

DOOR OR FRAME MATERIAL		DOOR OR FRAME FINISH	
ACR	ACROVYN DOOR	PTD	PAINT
ACR-L	ACROVYN LEAD LINED DOOR	ST	WOOD STAIN
ALUM	ALUMINUM	DB	DARK BRONZE(ANODIZED)
HM	HOLLOW METAL	SS	STAINLESS STEEL
HM-L	HOLLOW METAL LEAD LINED	BE	BAKED ENAMEL
IHM	INSULATED HOLLOW METAL		
WD	WOOD		
WD-L	WOOD LEAD LINED		

GLAZING TYPES

TYPE MARK	GLAZING DESCRIPTION
G1	1/4" TEMPERED GLAZING
G2	3/4" LEVEL 1 BULLET RESISTANT GLASS
IG1	1" INSULATED LOW-E GLAZING UNIT
IG2	1" INSULATED TEMPERED LOW-E GLAZING UNIT

DOOR SCHEDULE- LEVEL 1

DOOR NUMBER	ROOM NAME	DOOR FIRE RATING (MIN)	DOOR PANELS: PANEL TYPE PANEL 1	PANEL 2	TOTAL PANEL DIMENSIONS WIDTH	HEIGHT	THICKNESS	UNDERCUT	DOOR FRAME: FRAME TYPE	HEAD JAMB DTL	JAMB DTL	HW SET	GLAZING TYPE	DOOR: COMMENTS
LVL 1														
100-1	ENTRY VESTIBULE	NR	PNL-FG-AL	PNL-FG-AL	6'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00AL(CW)	3/A810	3/A800	01	IG2	AUTO-OPENER, SINGLE LEAF
100-2	ENTRY VESTIBULE	NR	PNL-FG-WD	PNL-FG-WD	6'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00AL(CW)	3/A900	4/A900	02	G1	AUTO-OPENER, SINGLE LEAF
101	CORRIDOR	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	03		CARD READER
102	CORRIDOR	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	04		
103	PUBLIC TOILET	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	05		
104-1		NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	06		CARD READER
104-2		NR	PNL-NV-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	07	G1	CARD READER
105-1		NR	PNL-NV-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	07	G1	CARD READER
105-2		NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	06		CARD READER
107	ADMIN	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
108	CASE MANAGER	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
109	CORONER'S OFFICE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
110	CORONER'S OFFICE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
111	CORONER'S OFFICE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
112	TOILET	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	05		
113	TOILET	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	05		
114	LONG TERM STORAGE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	09		
115	RESPITE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	10		
117	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
118	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
119	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
120	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
121	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
122	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
123	DEATH INVEST.	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
124	EVS	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	11		
125	CORONER'S OFFICE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
126	CORONER'S OFFICE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	08		
127	IT/ELECTRICAL	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	03		CARD READER
128-1	VESTIBULE	NR	PNL-FG-AL		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00AL(CW)	3/A810	3/A800	12	IG2	CARD READER
128-2	VESTIBULE	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	13		
129	EVIDENCE STORAGE	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	14		CARD READER, KEY PAD
130	DRUG STORAGE	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	03		CARD READER
131	EVIDENCE LOCKERS	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	03		CARD READER
132	CORRIDOR	NR	PNL-F-WD		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	15		
133-1	MUD/LAUNDRY	NR	PNL-F-HM		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	16		
133-2	MUD/LAUNDRY	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	17		
134	TOILET/ SHOWER	NR	PNL-F-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	05		
136	FREEZER	NR	PANEL BY MANUFACTURER		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRAME BY MANUFACTURER : _			18		PROVIDED BY FREEZER MANUFACTURER
137	CORRIDOR	NR	PANEL BY MANUFACTURER		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRAME BY MANUFACTURER : _			18		PROVIDED BY COOLER MANUFACTURER
138	MASS CASUALTY STORAGE	NR	PNL-F-HM		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	19		
139-1	VESTIBULE	NR	PNL-NV-AL		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00AL(CW)	3/A810	3/A800	20	IG2	CARD READER
139-2	VESTIBULE	NR	PNL-NV-HM		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	21	G1	
140	CART STAGING	NR	PNL-F-HM		4'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	22		
142-1	CORRIDOR	NR	PNL-FG-AL		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00AL(CW)	3/A810	3/A800	23	IG2	CARD READER
142-2	CORRIDOR	NR	PNL-NV-HM		3'-0"	7'-0"	0'-1 3/4"	0'-0"	FRM-00HM1	1/A900	2/A900	24	G1	CARD READER

CPL | Architecture Engineering Planning
6302 Fairview Road Suite 102,
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 35493 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: A.C.
Checked By: DMS
Drawing Title: DOOR PANELS, FRAME TYPES & SCHEDULES
Drawing Number: A900

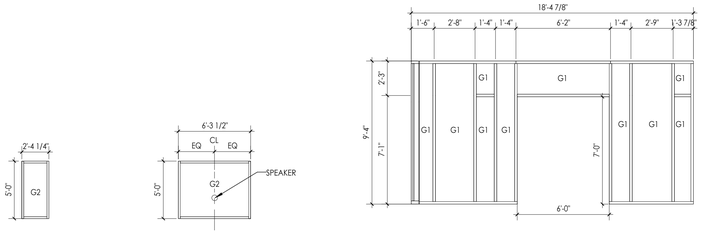
8/29/2024 5:55:14 PM <project location>\2 Design & Project Files on BIM 360

WINDOW GENERAL NOTES

1. COORDINATE ALL FRAME SIZES, TRIM EXTRUSIONS AND SILLS WITH WALL SECTIONS AND DETAILS.
2. ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT, INTERIOR AND EXTERIOR
3. ALL DOOR AND WINDOW DIMENSIONS ARE TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
4. REFER TO DIMENSION PLANS AND WALL SECTIONS FOR MULLION LAYOUT DIMENSIONS.
5. REFER TO EXTERIOR ELEVATIONS FOR GLASS, SPANDREL AND METAL PANEL LOCATIONS.
6. SYSTEM TYPE DESIGNATIONS ARE:
   - AC - APPLIED MULLION CURTAIN WALL WINDOW SYSTEM.
   - AW - INTERIOR ALUMINUM WINDOW SYSTEM
   - CW - CURTAIN WALL WINDOW SYSTEM
   - HM - HOLLOW MENTAL WINDOW SYSTEM
   - RA - RATED ALUMINUM WINDOW SYSTEM
   - SS - STAINLESS STEEL FRAMELESS GLASS WINDOW SYSTEM
   - SF - STOREFRONT WINDOW SYSTEM
7. OPENING MARK DESIGNATION PROVIDED FOR COORDINATION OF SHOP DRAWING SUBMITTALS.

GLAZING TYPES

TYPE MARK	GLAZING DESCRIPTION
G1	1/4" TEMPERED GLAZING
G2	3/4" LEVEL 1 BULLET RESISTANT GLASS
IG1	1" INSULATED LOW-E GLAZING UNIT
IG2	1" INSULATED TEMPERED LOW-E GLAZING UNIT

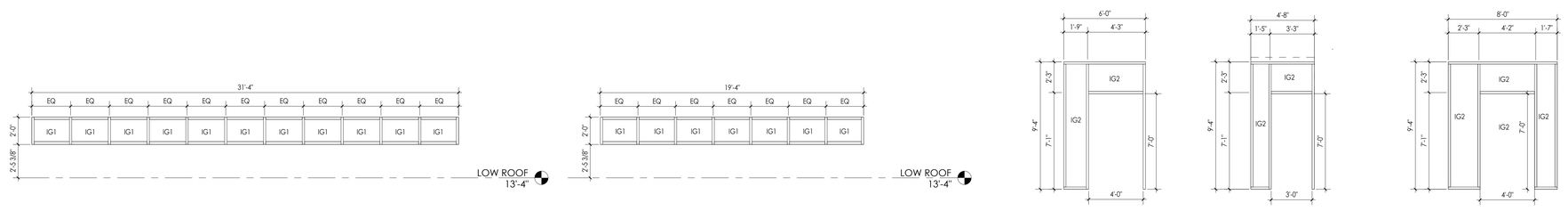


3
3/16" = 1'-0"

2
3/16" = 1'-0"

1
1/4" = 1'-0"

INTERIOR WINDOW TYPES
1/4" = 1'-0"



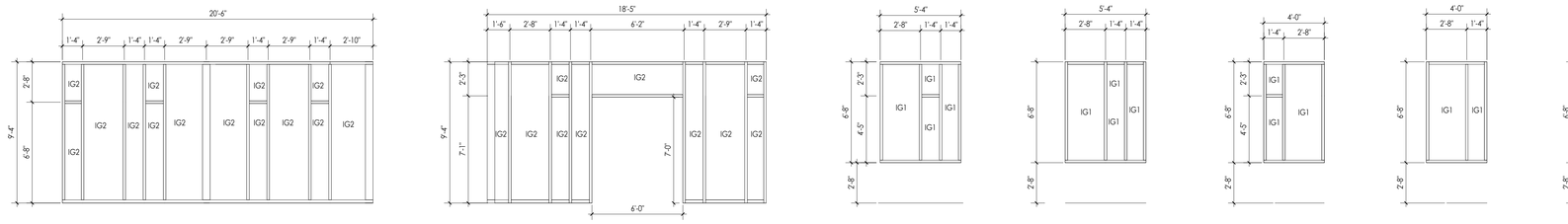
M
1/4" = 1'-0"

L
1/4" = 1'-0"

K
1/4" = 1'-0"

J
1/4" = 1'-0"

I
1/4" = 1'-0"



H
1/4" = 1'-0"

G
1/4" = 1'-0"

F
1/4" = 1'-0"

E
1/4" = 1'-0"

D
1/4" = 1'-0"

C
1/4" = 1'-0"

B
1/4" = 1'-0"

A
1/4" = 1'-0"

EXTERIOR WINDOW TYPES
1/4" = 1'-0"

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6302 Fairview Road Suite 102,
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CPLteam.com

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Project Number
R23.0309.00

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Project Name
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STATE OF SOUTH CAROLINA
CPL Architecture Engineering Planning, P.C.
Charlotte, North Carolina
No. 00069
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STATE OF SOUTH CAROLINA
RACHEL FRANCESCA NILSON
Charlotte, NC
No. 35483
REGISTERED ARCHITECT
8/27/2024

SHEET INFORMATION

Issued
08/27/2024

Scale
As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By
AC

Checked By
DMS

Drawing Title
WINDOW SYSTEM TYPES & SCHEDULES

Drawing Number
A901

8/29/2024 5:55:16 PM <project location> LD Design & Project Files on BIM 360

INTERIOR FINISH SCHEDULE

FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES	CLASS RATING
ACOUSTICAL CEILING TILE (ACT)							
ACT-1	ARMSTRONG	ULTIMA HIGH 1941 NRC	WHITE	24X24	ARMSTRONG PRELUDE XL 15/16" GRID SYSTEM.		CLASS A
CARPET (CPT)							
CPT-1	SHAW CONRTACT	COLLECTIVE V TILE	BEIGE	9X36	INSTALL USING ASHLAR PATTERN.		CLASS I
CPT-2	SHAW CONTRACT	TERASU KUSA TILE	POND	24X24	INSTALL USING BRICK PATTERN.		CLASS I
CHAIR RAIL (CHR)							
CHR-1	INPRO	2500 CHAIR RAIL	KHAKI BROWN	2" x 12'			CLASS A
CORNER GUARD (CG)							
CG-1	INPRO	160 HIGH IMPACT	KHAKI BROWN	2" WING, 90 DEGREE, 8' H			CLASS A
CG-2	INPRO	TAPE ON CORNER GUARD	TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE	1.5" WING, 90 DEGREE, 8' H			
CRASH RAIL (CR)							
CR-1	INPRO	700 WALL GUARD	KHAKI BROWN	7.75" HIGH			CLASS A
EPOXY GROUT (EGT)							
EGT-1	MAPEI		TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE		TO BE USED IN TOILET/SHOWER ROOM		NOT APPLICABLE
EPOXY PAINT (EPT)							
EPT-1	SHERWIN WILLIAMS	SW7007	CEILING BRIGHT WHITE			BATHROOM CEILINGS	CLASS A
EPOXY RESIN FLOOR (ERF)							
ERF-1	SHERWIN WILLIAMS	DECO FLAKE	MILKY WAY	1/8" FLAKE			NON-COMBUSTIBLE
FIBERGLASS REINFORED PLASTIC (FRP)							
FRP-1	PANOLAM	EMBOSSED	WHITE				ASTM E84 CLASS A
GROUT (GRT)							
GRT-1	MAPEI		TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE				NOT APPLICABLE
LAMINATE (LAM)							
LAM-1	WILSONART		KHAKI BROWN				NOT APPLICABLE
LUXURY VINYL TILE (LVT)							
LVT-1	TARKETT	EVENT WOOD	SAVANNAH	6"X48"	INSTALL USING UNIDIRECTIONAL PATTERN.		ASTM E648 CLASS I
PAINT (PT)							
PT-1	SHERWIN WILLIAMS	SW7012	CREAMY			FIELD, U.N.O.	CLASS A
PT-2	SHERWIN WILLIAMS	SW7043	WORLDLY GRAY			ACCENT	CLASS A
PT-3	SHERWIN WILLIAMS	SW6176	LIVEABLE GREEN			ACCENT	CLASS A
PT-4	SHERWIN WILLIAMS	SW7007	CEILING BRIGHT WHITE			CEILINGS	CLASS A
PT-5	SHERWIN WILLIAMS	SW7012	CREAMY			DOOR AND WINDOW TRIM	CLASS A
RESILIENT BASE (RB)							
RB-1	JOHNSONITE	TRADITIONAL PROFILE	FAWN	4" HIGH			ASTM E648 CLASS I
SEALED CONCRETE (CON)							
SCON-1					SEALED		NOT APPLICABLE
SOLID SURFACE MATERIAL (SSM)							
SSM-1	CORIAN	SAVANNAH					NOT APPLICABLE
TILE (T)							
T-1	FLORIDA TILE	GRAVITATE	WHITE	12X24	INSTALL USING 1/3 OFFSET	FLOOR	ASTM E84 CLASS A
T-2	DALTILE	GESSO	WHITE	12X24	INSTALL FULL HEIGHT ON ALL WALLS, TYP. INSTALL USING 1/3 OFFSET	WALLS	ASTM E84 CLASS A
T-3	DALTILE	RETROSPACE REMIX	SUCCULENT GREEN	3X6	INSTALL AS A BAND OF VERTICAL STACK BOND, REFER TO INTERIOR ELEVATIONS.	ACCENT	ASTM E84 CLASS A
T-4	FLORIDA TILE	GRAVITATE	WHITE	2X2 MOSAIC		FLOOR	ASTM E84 CLASS A
TRANSITION (TS)							
TS-1	SCHLUTER	VINPRO-S	TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE		LVT TO CARPET TRANSITION		NON-COMBUSTIBLE
TS-2	SCHLUTER	VINPRO-U	TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE		ERF TO LVT AND LVT TO SCON TRANSITIONS		NON-COMBUSTIBLE
TS-3	SCHLUTER	RENO-U	TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE		LVT TO TILE AND ERF TO TILE TRANSITIONS		NON-COMBUSTIBLE
TRIM (TR)							
TR-1	SCHLUTER	QUADEC	TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE		TO BE USED ON ALL OUTSIDE CORNERS OF WALL TILE		NON-COMBUSTIBLE
TR-2	SCHLUTER	DILEX-AHK	TO BE SELECTED BY ARCHITECT FROM MANFACTURER'S FULL LINE		INSTALL AT ALL TILED FLOOR/WALL TRANSITIONS		NON-COMBUSTIBLE
VINYL WALL COVERING (VWC)							
VWC-1	MOMENTUM	WALLCOVERING INTERLUDE WC	OPAL		TYPE II	PROVIDE LEVEL 5 FINISH FOR ALL INDICATED WALLS	ASTM E84 CLASS A
WALK OFF CARPET (WOC)							
WOC-1	SHAW CONRTACT	ALL ACCESS PORTAL TILE	STERLING	24X24	INSTALL USING ASHLAR PATTERN.		CLASS I
WALL PROTECTION (WP)							
WP-1	INPRO	PALLADIUM RIGID SHEET WALL GUARD	KHAKI BROWN			REFER TO FINISH PLAN FOR LOCATIONS	CLASS A
WINDOW TREATMENT (WT)							
WT-1	DRAPER	MANUAL ROLLER FLEXSHADE	LINEN/SABLE-COCOA 3%			REFER TO FINISH PLAN FOR LOCATIONS	NFPA 101 CLASS A
WT-2	DRAPER	MANUAL DOUBLE ROLLER FLEXSHADE	LINEN/SABLE-COCOA 3%, SUNBLOC COLOR TO BE SELECTED FROM MANUFACTURERS FULL LINE			REFER TO FINISH PLAN FOR LOCATIONS	NFPA 101 CLASS A

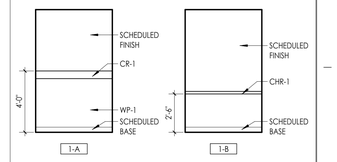
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AGL	ART GLASS	RP	RESIN PANEL
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CC	CUBICLE CURTAIN	RST	RESILIENT STAIR TREAD
CG	CORNER GUARD	RT	RESILIENT TILE
CHR	CHAIR RAIL	SC	SPECIALTY CEILING
CPT	CARPET	SCON	SEALED CONCRETE
CR	CRASH RAIL	SN	STAIR NOSING & RISER
DG	DIGITAL GRAPHIC	SSM	SOLID SURFACE MATERIAL
DS	DIVIDER STRIP	ST	STONE VENEER
DWC	DIGITAL WALL COVERING	SV	SHEET VINYL
DWP	DIGITAL WALL PANEL	SWP	SHEET WALL PROTECTION
EPT	EPOXY PAINT	T	TILE
ERF	EPOXY RESIN FLOOR	TER	TERRAZZO
ETR	EXISTING TO REMAIN	TR	TRIM
EXP	EXPOSED FILM	TS	TRANSITION STRIP
FRP	FIBER REINFORCED PANEL	UPH	UPHOLSTERY
GRT	GROUT	VCT	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENHANCED TILE
INT	INTEGRAL	VQT	VINYL QUARTZ TILE
LAM	LAMINATE	WC	WALL COVERING
LVT	LUXURY VINYL TILE	WD	WOOD
PT	PAINT	WG	WALL GUARD
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
QT	QUARRY TILE	WT	WINDOW TREATMENT
QTZ	QUARTZ		

TYPICAL WALL PROTECTION TYPES:

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



WALL PROTECTION GENERAL NOTES

1. DO NOT INSTALL HANDRAILS ON WALLS LESS THAN 1'-6" WIDE OR BEHIND DOORS.
2. DO NOT INSTALL WALL GUARDS ON WALLS LESS THAN 0'-6" WIDE OR BEHIND DOORS.
3. AREAS WITHOUT WALL PROTECTION NOTES SHALL NOT RECEIVE WALL PROTECTION. ALL CORNER GUARDS SHOULD BE INSTALLED WITH THE TOP AT 7'-2" AFF, UNLESS NOTED OTHERWISE.
4. WHERE WALLS RECEIVE NEW WALL PROTECTION, WALL PROTECTION SHALL RUN UNDERNEATH WINDOW SILLS, UNLESS NOTED OTHERWISE.
5. WHERE WALLS RECEIVE NEW WALL PROTECTION, WALL PROTECTION SHALL RUN UNDERNEATH OPEN COUNTER AREAS, UNLESS NOTED OTHERWISE.
6. WHERE WALLS RECEIVE NEW WALL PROTECTION, WALL PROTECTION SHALL NOT BE INSTALLED ABOVE OPEN COUNTER AREAS, UNLESS NOTED OTHERWISE.

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

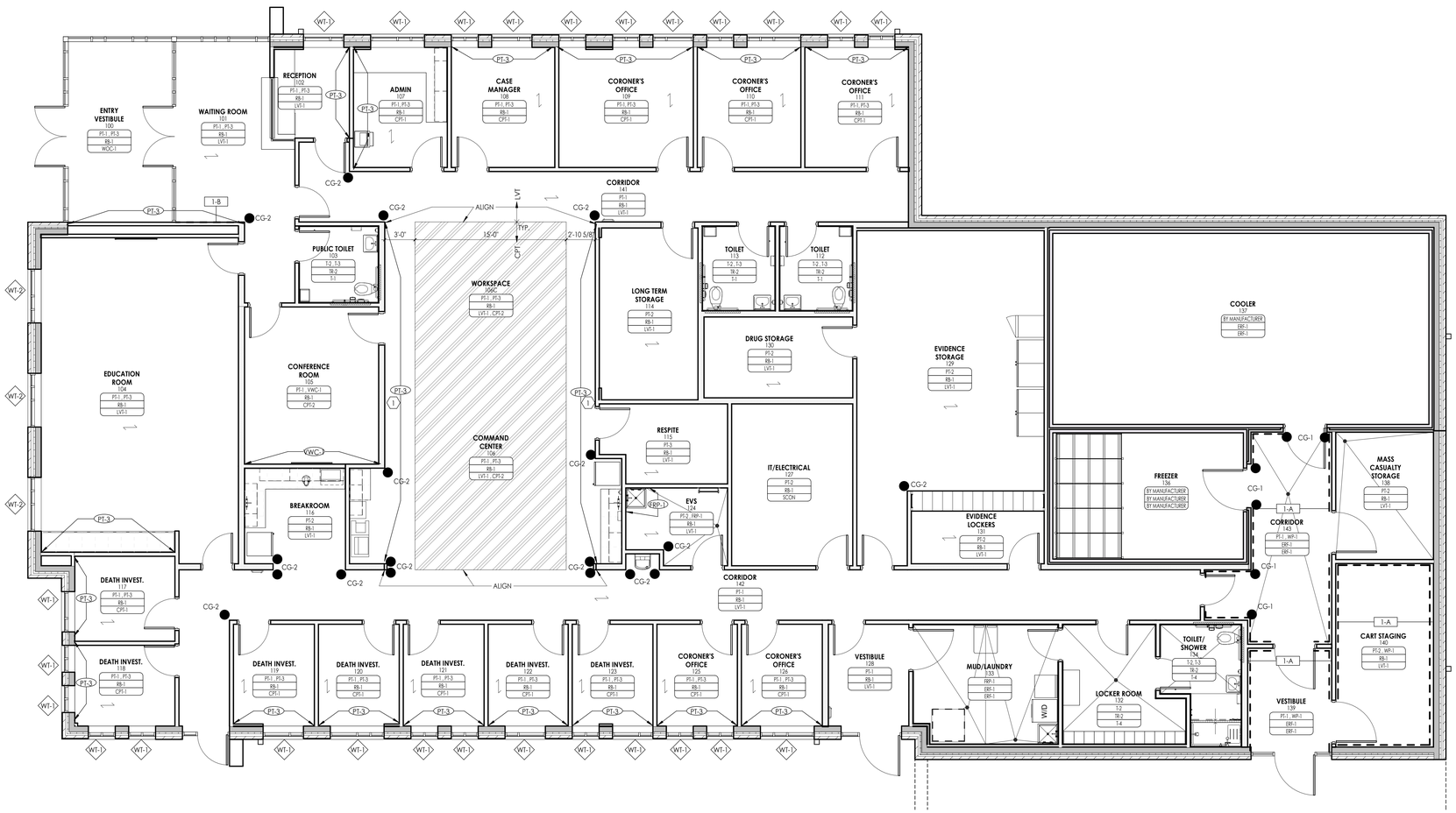
Issued	Scale
08/27/2024	As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
LP	DMS

Drawing Title
INTERIORS GENERAL

Drawing Number
-
1000



1 / 1200 **FINISH PLAN LEVEL 1**

3/16" = 1'-0"

TRUE NORTH

FINISH PLAN GENERAL NOTES

1. ALL NEW HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-5), UNLESS NOTED OTHERWISE.
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE.
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS.
5. PAINT GWB CEILINGS (PT-4), UNLESS NOTED OTHERWISE.
6. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
7. ALL WINDOW SILLS SHALL BE SSM-1, UNLESS OTHERWISE NOTED.
8. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
9. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
10. REFER TO 000 FOR FLOOR PATTERN PLANS & DETAILS.
11. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
12. PROVIDE CONCRETE FLOOR PREPARATION IN ACCORDANCE WITH FLOORING MANUFACTURER SPECIFICATION.
13. ALL NON-EPOXY GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.

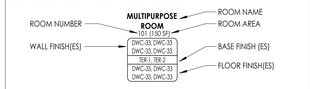
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AGL	ART GLASS	RP	RESIN PANEL
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CC	CUBICLE CURTAIN	RST	RESILIENT STAIR TREAD
CG	CORNER GUARD	RT	RESILIENT TILE
CHR	CHAIR RAIL	SC	SPECIALTY CEILING
CPT	CARPET	SCON	SEALED CONCRETE
CR	CRASH RAIL	SN	STAIR NOSING & RISER
DG	DIGITAL GRAPHIC	SSM	SOLID SURFACE MATERIAL
DS	DIVIDER STRIP	ST	STONE VENEER
DWC	DIGITAL WALL COVERING	SV	SHEET VINYL
DWP	DIGITAL WALL PANEL	SWP	SHEET WALL PROTECTION
EPT	EPOXY PAINT	T	TILE
ERF	EPOXY RESIN FLOOR	TER	TERRAZZO
ETR	EXISTING TO REMAIN	TR	TRIM
EXP	EXPOSED FILM	TS	TRANSITION STRIP
FRP	FIBER REINFORCED PANEL	UPH	UPHOLSTERY
GRT	GROUT	VCT	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENHANCED TILE
INT	INTEGRAL	VQT	VINYL QUARTZ TILE
LAM	LAMINATE	WC	WALL COVERING
LVT	LUXURY VINYL TILE	WD	WOOD
PT	PAINT	WG	WALL GUARD
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
QT	QUARRY TILE	WT	WINDOW TREATMENT
QTZ	QUARTZ		

FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



X — FINISH PLAN KEY NOTE

CGX — CORNER GUARD

XXX — EXTENT OF NOTED FINISH

X-X — WALL PROTECTION

WTX — WINDOW TREATMENT

WP — WORK POINT

FLOOR DIRECTION (LONG SIDE OF FLOOR TILE PARALLEL WITH LONG SIDE OF SYMBOL)

XXX — XXX — MATERIAL TRANSITION

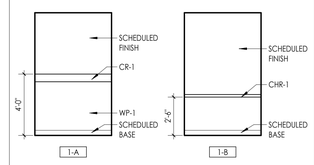
TSX — TRANSITION STRIP

FLOOR PATTERNING LEGEND

CPT-2

TYPICAL WALL PROTECTION TYPES:

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



WALL PROTECTION GENERAL NOTES

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FINISH PLAN KEY NOTES

1 SOFFIT ABOVE TO HAVE PT-3 FINISH.

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Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, PC — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated
Project Status	
100% CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
LP	DMS

Drawing Title
FLOOR FINISH PLAN

Drawing Number
-
1200

8/29/2024 4:55:21 PM <project location> D Design & Project Files on BIM 360

FURNITURE PROVIDED BY OWNER. SHOWN FOR REFERENCE ONLY.

1 / 1500 **FURNITURE PLAN**

3/16" = 1'-0"

TRUE NORTH

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6302 Fairview Road Suite 102.
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 10483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued	Scale
08/27/2024	3/16" = 1'-0"

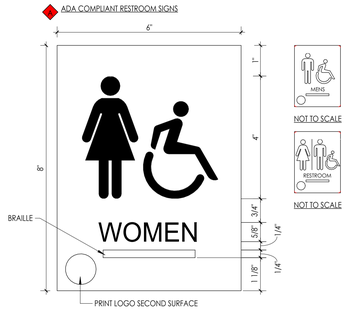
Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
LP	DMS

Drawing Title
FLOOR FURNITURE PLAN

Drawing Number
1500

A ADA COMPLIANT RESTROOM SIGNS



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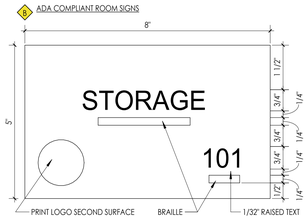
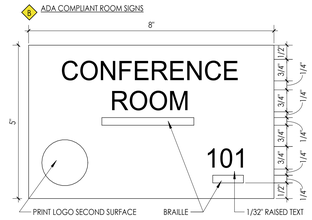


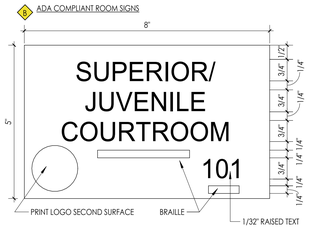
TYP. ROOM SIGNAGE - SINGLE LINE

B ADA COMPLIANT ROOM SIGNS



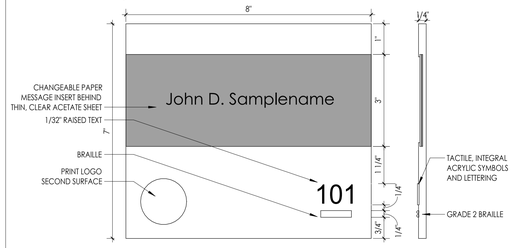
TYP. ROOM SIGNAGE - TWO LINE

B ADA COMPLIANT ROOM SIGNS



TYP. ROOM SIGNAGE - TWO LINE

C OFFICE PAPER INSERT SIGNS



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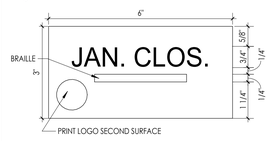
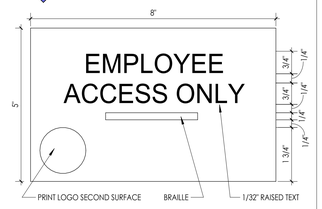


E EXTERIOR ACCESS SIGNAGE



NOTES:

TYPICAL FINISHES:

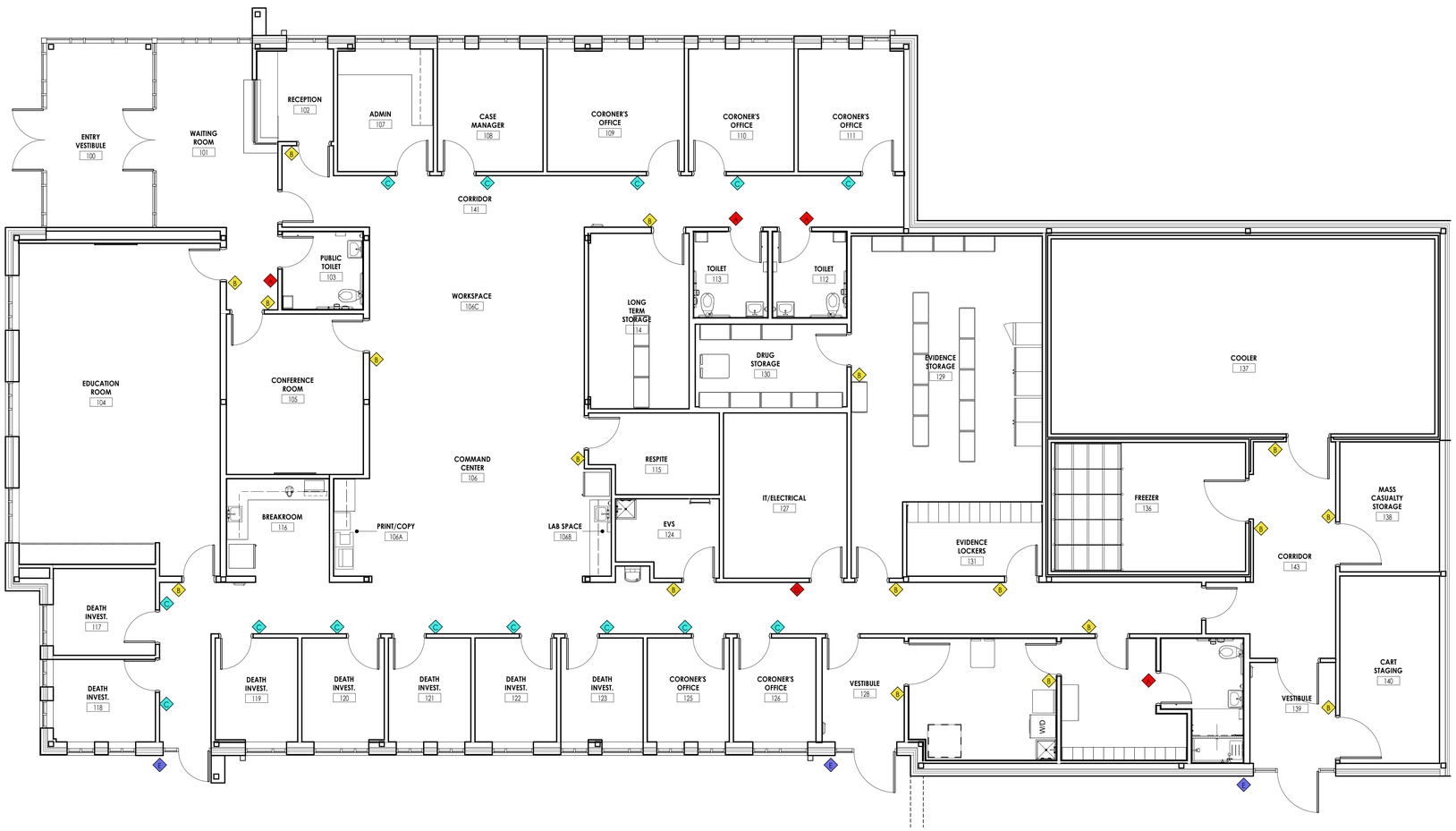
MATERIAL: 1/8" ACRYLIC WITH ADA COMPLIANT TEXT, SYMBOL AND BRAILLE.

FINISH: BACKGROUND COLOR TO MATCH SHERWIN WILLIAMS DURANGO GREY. TEXT AND SYMBOL TO BE WHITE. BRAILLE IS BACKGROUND COLOR. PROVIDE FINISH SAMPLES TO OWNER FOR VERIFICATION PRIOR TO FABRICATION.

ALL EXTERIOR SIGNS SHALL BE EXTERIOR GRADE AND FADE RESISTANT.

FONT: HELVETICA

MOUNTING: VHB TAPE WITH SILICONE FOR ALL SIGNS EXCEPT EXTERIOR. FOR EXTERIOR SIGNS, MOUNT CONCEALED WITH PLASTIC ANCHORS INTO BRICK/MORTOR. SIGNAGE COMPANY TO COORDINATE WITH ARCHITECT FOR OTHER MOUNTING OPTIONS TO CONSIDER. INSTALL AT HEIGHT IN COMPLIANCE WITH ICC A117.1



1/1600 **INTERIOR SIGNAGE PLAN**

3/16" = 1'-0"

TRUE NORTH

CPL | Architecture Engineering Planning
6302 Fairview Road Suite 102.
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

STATE OF SOUTH CAROLINA — CPL Architects and Engineers, P.C. — Charlotte, North Carolina — No. 00069 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — RACHEL FRANCESCA NILSON — Charlotte, NC — No. 30483 — REGISTERED ARCHITECT — 8/27/2024

SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: LP
Checked By: DMS
Drawing Title: INTERIOR SIGNAGE PLAN
Drawing Number: 1600

MECHANICAL SYMBOLS LIST

SYMBOL	DESCRIPTION
	CONNECTION - TOP
	CONNECTION - BOTTOM
	DIRECTION OF FLOW
	REDUCER
	CAP OR PLUG
	ELBOW DOWN
	ELBOW UP
	TEE OUTLET - UP
	TEE OUTLET - DOWN
	UNION
	GATE VALVE
	BALL VALVE
	BALANCING VALVE
	STRAINER
	STRAINER WITH BLOW-DOWN
	BUTTERFLY VALVE
	GLOBE VALVE
	CHECK VALVE
	TRIPLE DUTY VALVE
	GAS COCK, PLUG VALVE
U/C	UNDERCUT DOOR 1"
M	AIR VENT - MANUAL
A	AIR VENT - AUTOMATIC
	FLANGE
	CONTROL/SOLENOIND VALVE, ELECTRIC 2-WAY
	CONTROL VALVE, ELECTRIC 3-WAY
	CONTROL VALVE, PNEUMATIC 2-WAY
	CONTROL VALVE, PNEUMATIC 3-WAY
	RELIEF / SAFETY VALVE
PR	PRESSURE REDUCING VALVE
V	VACUUM BREAKER
	FLEXIBLE PIPE CONNECTOR
	EXPANSION COMPENSATOR W/ GUIDES
	EXPANSION JOINT
	PIPE ANCHOR
	PIPE GUIDE
TT	THERMOSTATIC TRAP
FT	FLOAT & THERMOSTATIC TRAP
BT	BUCKET TRAP
TD	THERMODYNAMIC TRAP
	THERMOMETER
	WELL
	PRESSURE GAUGE
	STEAM PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
xx	PIPING
	PUMP

SYMBOL	DESCRIPTION
20X10	DUCT SECTION - SUPPLY
20X10	DUCT SECTION - RETURN
20X10	DUCT SECTION - EXHAUST
A" Ø	DUCT SECTION - ROUND DUCT IN INCHES
20/10	DUCT SECTION - FLAT OVAL DUCT IN INCHES
	ACOUSTIC THERMAL LINING
	FLEXIBLE DUCTWORK
	FLEXIBLE CONNECTION
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE AND SMOKE DAMPER
VD	VOLUME DAMPER
	DAMPER CONTROL, PARALLEL BLADE
	DAMPER CONTROL, OPPOSED BLADE
AAD	AUTOMATIC AIR DAMPER
BDD	BACK DRAFT DAMPER
BG	BLAST GATE
12X10 / 10X20	AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH) / FLAT OVAL
	TURNING VANES
	EXISTING WORK TO BE REMOVED (HATCHED)
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	AIR FLOW SENSOR
	FILTER
	TRANSITION SQUARE TO ROUND
	HUMIDIFIER DISPERSION TUBE
RISE	RISE IN DUCT
DROP	DROP IN DUCT
SR	SQUARE OR RECTANGULAR CEILING DIFFUSER (4 WAY)
	CEILING DIFFUSER WITH SECTORIZING BAFFLE(S) (1 WAY, 2 WAY,3 WAY)
	ROUND CEILING DIFFUSER
	SQUARE OR RECTANGULAR CEILING RETURN GRILLE
	EXHAUST GRILLE
	SUPPLY REGISTER, RETURN OR EXHAUST GRILLE
	AIR FLOW
X / XX	X = DIFFUSER OR GRILL TYPE XX = AIR FLOW VALUE (CFM)
X | XXX / XX / XXXX	X = DIFFUSER OR GRILL TYPE XX = CONNECTION SIZE XXX = AIR FLOW VALUE (CFM) XXXX = NOMINAL SIZE

SYMBOL	DESCRIPTION
P/E	ELECTRIC/PNEUMATIC SWITCH OR RELAY
P/E	PNEUMATIC/ELECTRIC SWITCH OR RELAY
CT	CURRENT TRANSDUCER
O/C	OPEN/CLOSED
S/S	START/STOP
E/D	ENABLE/DISABLE
	TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)
H	HUMIDITY SENSOR (DUCT MOUNTED)
F	FLOW TRANSMITTER
P	PRESSURE TRANSMITTER
ΔP	DIFFERENTIAL PRESSURE TRANSMITTER
P/I	ELECTRIC/PNEUMATIC TRANSDUCER
I/E	ELECTRIC/ELECTRONIC TRANSDUCER
S	DUCT SMOKE DETECTOR
T	SPACE THERMOSTAT
T	SPACE TEMPERATURE SENSOR
CO2	SPACE CARBON DIOXIDE SENSOR
CH4	SPACE NATURAL GAS SENSOR
NOx	NITROGEN OXIDES SENSOR
CO	SPACE CARBON MONOXIDE SENSOR
G	SPACE SENSOR WITH GUARD
H	SPACE HUMIDISTAT
FS	WATER FLOW SENSOR
P/A	PNEUMATIC ACTUATOR
E/A	ELECTRIC ACTUATOR
VSD VFD	VARIABLE SPEED / FREQUENCY DRIVE
C/C	COOLING COIL
H/C	HEATING COIL
G/F	GAS FURNACE
H	HUMIDIFIER
A	ALARM
S	STATUS
FS	FLOW SWITCH
ΔP	DIFFERENTIAL STATIC PRESSURE SWITCH
R	RELAY
	PRESSURE GAUGE
FZ	FREEZE-STAT
DI	DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)
DO	DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AO	ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AI	ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)
	ELECTRICAL INTERFACE
SF	SPEED FEED BACK
	TRAVERSE AVERAGING SENSOR
	PROBE SENSOR
	FREEZE STAT SENSOR

SYMBOL	DESCRIPTION
24X12 / 12X10 / VD	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS
24X12 / 8"Ø / VD	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS
14"Ø / 10"Ø / VD	SUPPLY AIR TAKEOFFS
14"Ø / 10"Ø / VD	SUPPLY AIR TAKEOFFS
24X12 / 6X12 / 12X10 / 18X12 / 20X12	SUPPLY AIR TAKEOFFS
24X12 / 12X10 / VD	SUPPLY/RETURN EXHAUST AIR TAKEOFFS W/ REGISTER/GRILLE/ DIFFUSER
VD / VD	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS
VD / VD	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS
	LONG RADIUS 90° ELBOW R/W=1.5
	LONG RADIUS 45° ELBOW R/W=1.5
	90° ELBOW WITH TURNING VANES
18X16 / 18X8 / 18X8	90 VERTICAL SPLIT OFF (PLAN VIEW)
20X10 / 20X10 / 20X10	DUCT TURNING UP OR DOWN

SYMBOL	DESCRIPTION
24X12 / 12X10 / VD	1-1/2 TIMES BRANCH SIZE
24X12 / 8"Ø / VD	1-1/2 TIMES BRANCH SIZE
14"Ø / 10"Ø / VD	CONICAL TEE
14"Ø / 10"Ø / VD	LATERAL
18X12 / 24X12 / 12X10 / 6X12 / 20X12	
24X12 / 12X10 / VD	
VD / VD	
VD / VD	
W / R	
W / R	
18X8 / 18X16 / 18X8	
20X10	

SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER
ACC	AIR-COOLED CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BD	BACKDRAFT DAMPER
CA	COMPRESSED AIR
CD	COOLING COIL CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
(E)	EXISTING
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ERHC	ELECTRIC REHEAT COIL
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
F&T	FLOAT AND THERMOSTATIC TRAP
FCU	FAN-COIL UNIT
FPM	FEET PER MINUTE
GC	GENERAL CONTRACTOR
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HP	HEAT PUMP
HPS	HIGH PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
MC	MECHANICAL CONTRACTOR
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
RA	RETURN AIR
RHC	HOT WATER REHEAT COIL
RLL	REFRIGERANT LIQUID PIPE
RSL	REFRIGERANT SUCTION PIPE
RTU	ROOFTOP UNIT
RV	ROOF VENT
SA	SUPPLY AIR
SHWR	SECONDARY HEATING HOT WATER RETURN
SHWS	SECONDARY HEATING HOT WATER SUPPLY
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)
TC	TEMPERATURE CONTROLS CONTRACTOR
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
WWHP	WATER-TO-WATER HEAT PUMP

MECHANICAL GENERAL NOTES

1. MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC., AND ALL RATED WALL ASSEMBLIES TO ALLOW FOR INSPECTIONS OF RATED WALLS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF WORK.
3. UNLESS NOTED OTHERWISE IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO MODIFY AND PATCH ROOFING AND ROOF DECKS AS NECESSARY TO INSTALL NEW EQUIPMENT SUPPORTS, PIPING PORTALS, CURBS AND RAILS. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PATCH ROOFING AND DECKS WHEN DEMOLISHING ROOF MOUNTED EQUIPMENT. COORDINATE WITH THE OWNER AND EXISTING ROOFING MANUFACTURERS TO MAINTAIN THE WARRANTIES ON ALL ROOFS. ALL ROOFING WORK TO BE PERFORMED BY CERTIFIED ROOFING CONTRACTOR. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE STRUCTURAL FRAMING ASSOCIATED WITH THE WORK IN THIS CONTRACT. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF AND DECK TYPES AND FRAMING DETAILS. PROVIDE STRUCTURAL FRAMING FOR EQUIPMENT AND ROOF OPENINGS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
4. INSTALLATION OF ALL MECHANICAL EQUIPMENT RAILS AND CURBS SHALL CONFORM TO THE WIND RESTRAINT REQUIREMENTS APPLICABLE BUILDING CODE AND THIS PROJECT.

MECHANICAL DESIGN CRITERIA

TEMPERATURE DESIGN

CONDITION	CRITERIA	COMMENTS
SUMMER (COOLING): OUTSIDE AIR DESIGN	94.7°F DB/ 74.5°F WB	DERIVED FROM ASHRAE 90.1 FOR ROC HILL SC
WINTER (HEATING): OUTSIDE AIR DESIGN	20.3°F DB / 15.7°F WB	DERIVED FROM ASHRAE 90.1 FOR ROCK HILL, SC
INDOOR DESIGN: GENERAL OCCUPIED	75°F COOLING 72°F HEATING	RELATIVE HUMIDITY: 55%
-	-	-

SEISMIC DESIGN

1. SEISMIC DESIGN CATEGORY: C
2. PROVIDE SEISMIC AND WIND RESTRAINTS IN ACCORDANCE WITH BUILDING CODE. REFER TO STRUCTURAL DRAWINGS FOR SEISMIC AND WIND CRITERIA. SELECTION AND DESIGN OF SEISMIC AND WIND RESTRAINT SYSTEMS SHALL BE BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA.

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York County South Carolina

PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED No. 16220 08-27-24 GREGORY A. KYZER PROFESSIONAL ENGINEER

SOUTH CAROLINA CPL No. 2227 CERTIFICATE OF AUTHORIZATION

SHEET INFORMATION

Issued
08/27/2024

Scale
NOT TO SCALE

Project Status
100% CONSTRUCTION DOCUMENTS

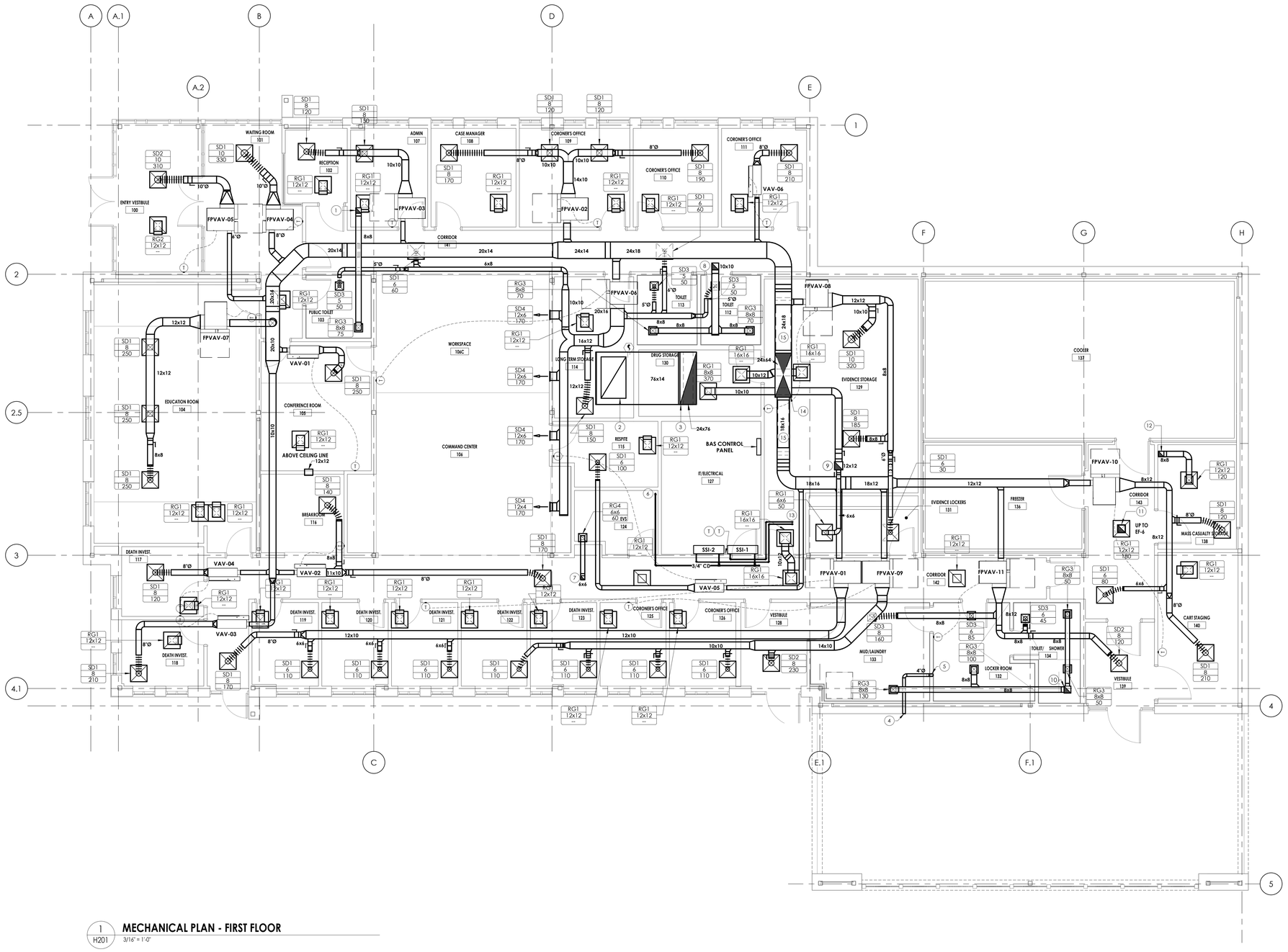
Drawn By
DL

Checked By
RR

Drawing Title
HVAC SYMBOLS LEGEND AND CONTRACTOR NOTES

Drawing Number
-
H000

1/14/2025 3:29:40 PM <project location>\D Design & Project Files on BIM 360



KEY NOTES

1. EXHAUST DUCT UP TO NEW EXHAUST FAN EF-1 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
2. PROVIDE NEW 5'x3' OPENING ON THE TOP SIDE OF THE DUCTWORK. PROVIDE BIRD SCREEN.
3. PROVIDE NEW INTERNALLY INSULATED RETURN DUCT. PROVIDE TRANSITION ELBOW WITH TURNING VANES.
4. PROVIDE WALL CAP.
5. DRYER EXHAUST DUCT DOWN.
6. CONDENSATE LINE DOWN TO FLOOR DRAIN.
7. EXHAUST DUCT UP TO NEW EXHAUST FAN EF-2 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
8. EXHAUST DUCT UP TO NEW EXHAUST FAN EF-3 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
9. EXHAUST DUCT UP TO NEW EXHAUST FAN EF-4 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
10. 10x10 EXHAUST DUCT UP TO NEW EXHAUST FAN EF-5 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
11. EXHAUST DUCT UP TO NEW EXHAUST FAN EF-6 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
12. EXHAUST DUCT UP TO NEW EXHAUST FAN EF-7 ON ROOF. PROVIDE TRANSITION TO CONNECT TO EXHAUST FAN.
13. REFRIGERANT LINES UP TO CONDENSING UNITS ON THE ROOF. PROVIDE PIPE PORTAL.
14. DOUBLE WALL INTERNALLY INSULATED SUPPLY AIR PLENUM. PROVIDE TRANSITION TO CONNECT TO RTU OUTLET.
15. PROVIDE MIN 5'-0" OF DOUBLE WALL INTERNALLY INSULATED SUPPLY DUCT. FOR SOUND ATTENUATION.

1 MECHANICAL PLAN - FIRST FLOOR

H201 — 3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 16226 — 08-27-24 — GREGORY A. KYLER — CIVIL

SOUTH CAROLINA — COUNCIL OF INTERIOR DESIGN CERTIFICATE OF AUTHORIZATION — CPL — No. 2227

SHEET INFORMATION

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Project Status
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Drawn By
DL

Checked By
RR

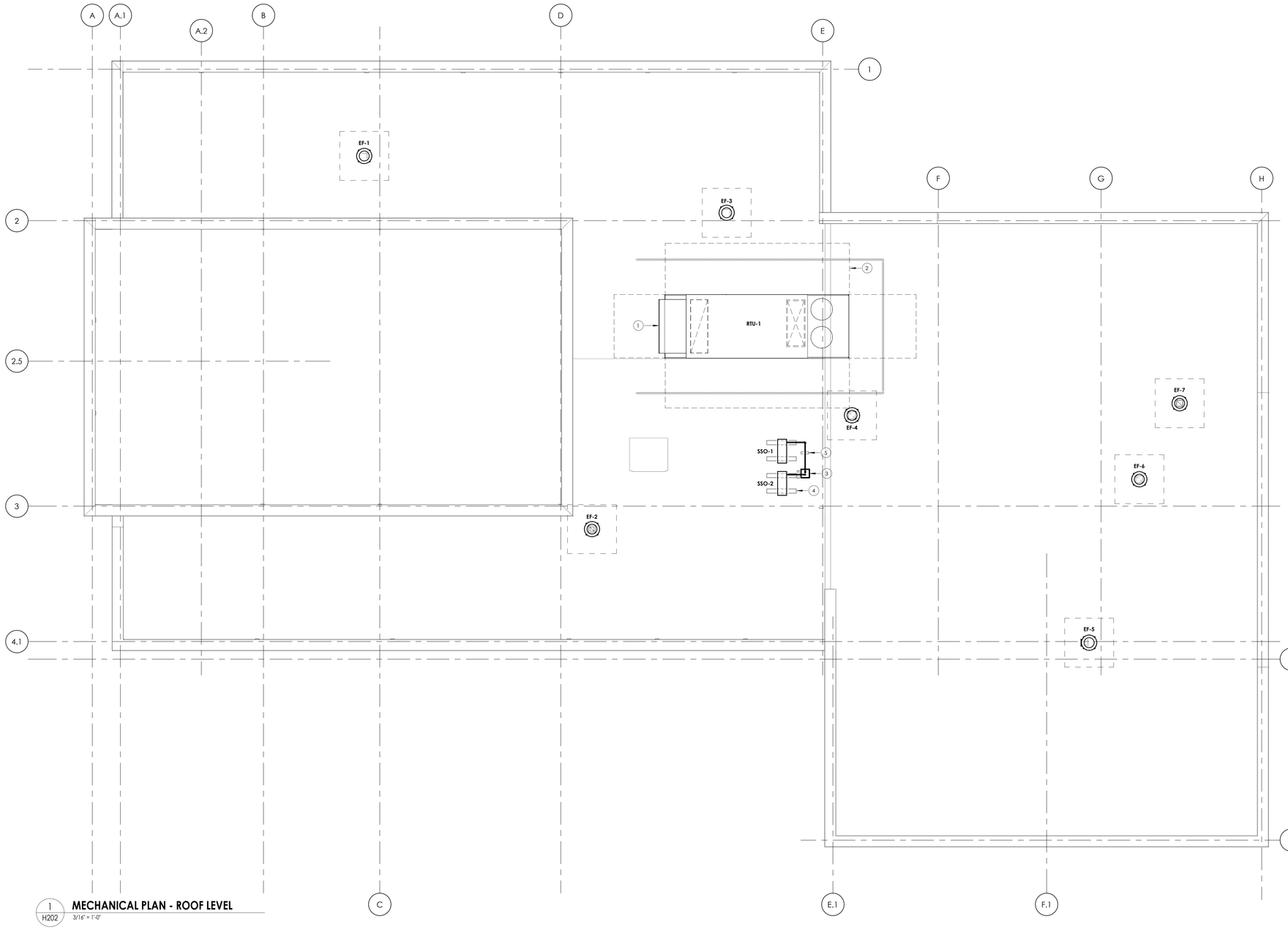
Drawing Title
MECHANICAL PLAN - FIRST FLOOR

Drawing Number
H201

1/14/2025 3:29:42 PM <project location>\3 Design & Project Files on BIM 360

KEY NOTES

1. OUTSIDE AIR INTAKE.
2. SERVICE CLARENCE.
3. PROVIDE PIPE PORTAL.
4. PROVIDE EQUIPMENT RAILS.
5. PROVIDE PIPE SUPPORTS



1 H202 **MECHANICAL PLAN - ROOF LEVEL**
3/16" = 1'-0"

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PROJECT INFORMATION

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YORK COUNTY

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PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 16220 08-27-2024 GREGORY A. KYLER

SOUTH CAROLINA CPL No. 2227 CERTIFICATE OF AUTHORIZATION

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Scale
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Project Status
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Drawn By
DL

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RR

Drawing Title
MECHANICAL PLAN - ROOF LEVEL

Drawing Number
-
H202

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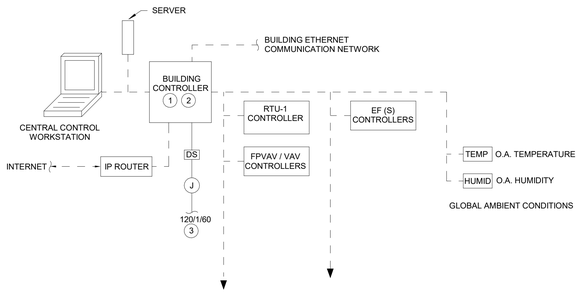
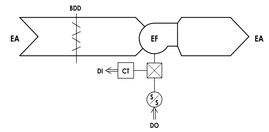


NOTES:

1. THIS DIAGRAM IS INTENDED TO SHOW NEW BUILDING SYSTEM EQUIPMENT. THE CONTRACTOR SHALL PROVIDE ALL NEW CONTROLS TO ACCOMPLISH THE REQUIRED INPUTS AND OUTPUTS FOR THE INTENDED CONTROL SEQUENCES.
2. REFER TO INDIVIDUAL CONTROL AND FLOW DIAGRAMS AND SEQUENCE OF OPERATIONS SPECIFICATIONS FOR REQUIRED INPUTS AND OUTPUTS.
3. PROVIDE POWER FROM ELECTRICAL PANEL TO ALL NEW BAS CONTROLLER(S). COORDINATE QUANTITIES, LOCATIONS, AND REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. PROVIDE ALL TRANSFORMERS AND GROUNDING AS REQUIRED.

1 H501 BAS BLOCK ARCHITECTURE DIAGRAM

NOT TO SCALE

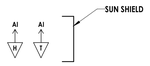


NOTES:

1. CONTROLS CONTRACTOR TO PROVIDE BACNET COMPATIBLE DDC CONTROLLER.
2. REFER TO SPECIFICATIONS FOR SEQUENCE OF OPERATIONS.

2 H501 TYPICAL EXHAUST FAN

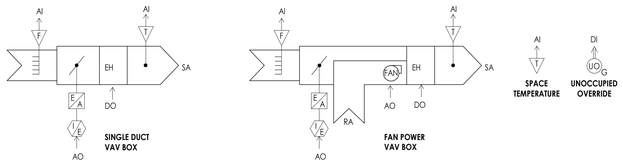
NOT TO SCALE



NOTE: USED TO MONITOR OUTSIDE AIR CONDITIONS IF NOT SPECIFIED AT INDIVIDUAL EQUIPMENT.

3 H501 OUTDOOR AIR MONITOR STATION

NOT TO SCALE

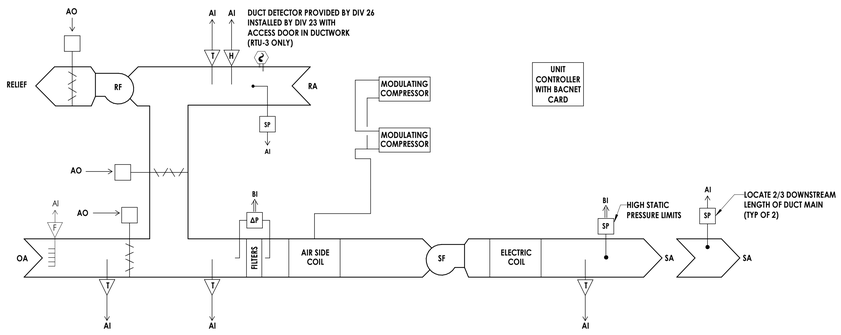


NOTES:

1. CONTROLS CONTRACTOR TO PROVIDE BACNET COMPATIBLE DDC CONTROLLER.
2. REFER TO SPECIFICATIONS FOR SEQUENCE OF OPERATIONS.

4 H501 VAV BOX WITH ELECTRIC HEAT CONTROL SCHEMATIC

NOT TO SCALE



NOTES:

1. REFER TO SPECIFICATIONS FOR SEQUENCE OF OPERATIONS.
2. COORDINATE SENSORS, ACTUATOR AND OTHER CONTROL DEVICES WITH UNIT MANUFACTURER TO COMPLY WITH SEQUENCE OF OPERATION. DO NOT DUPLICATE CONTROLS EQUIPMENT.

5 H501 RTU-CONTROLS SCHEMATIC

N.T.S.

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PROJECT INFORMATION

Project Number
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Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SHEET INFORMATION

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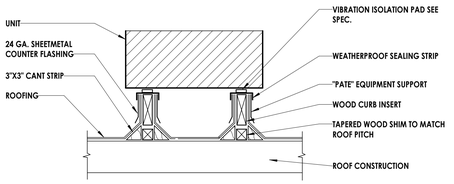
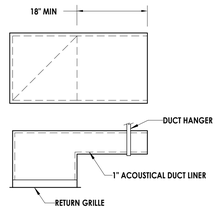
Checked By: RR
Drawing Title: CONTROL DIAGRAMS
Drawing Number: H501

1/14/2025 3:29:42 PM <project location>\0 Design & Project Files on BIM 360



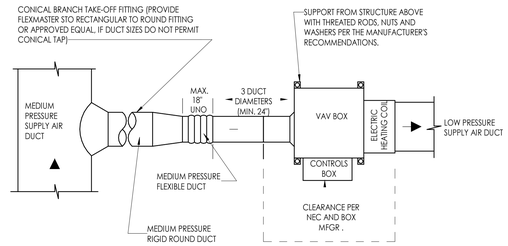
1 H800 **EQUIPMENT BASE DETAIL**
NOT TO SCALE



NOTES:

1. **COORDINATE HEIGHT OF DUCT BOOT TO AVOID INTERFERENCE WITH LIGHTS, JOISTS AND OTHER DUCTS.**
2. **DUCT BOOTS SHALL BE PROVIDED FOR ALL OPEN RETURN AIR GRILLES EVEN IF NOT SHOWN ON THE DRAWINGS.**

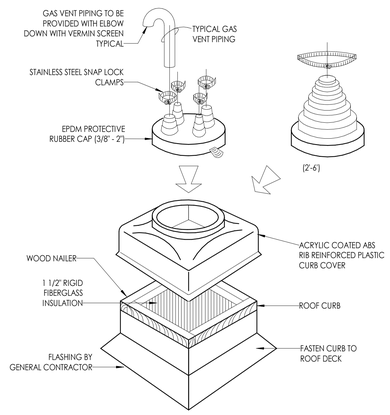
2 H800 **RETURN BOOT DETAIL**
NOT TO SCALE



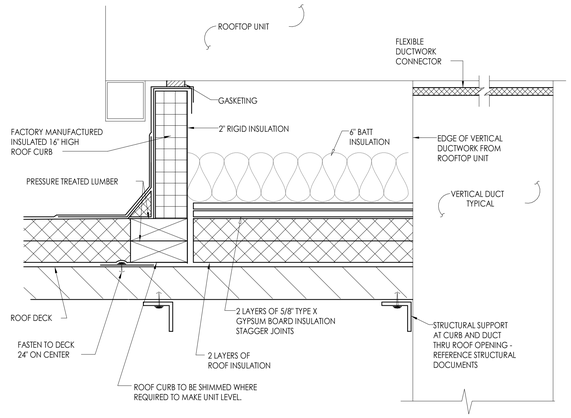
NOTES:

1. PROVIDE CLEARANCE PER NEC FOR ELECTRICAL/CONTROL BOX.
2. FIELD INSULATE THE EXTERIOR OF THE VAV BOX BACK PANEL WITH 1/2" THICK CLOSED CELL INSULATION. TIGHTLY BUTT INSULATION AGAINST DUCT INLET COLLAR AND SEAL MEDIUM PRESSURE FLEXIBLE SUPPLY DUCT AGAINST PANEL INSULATION.

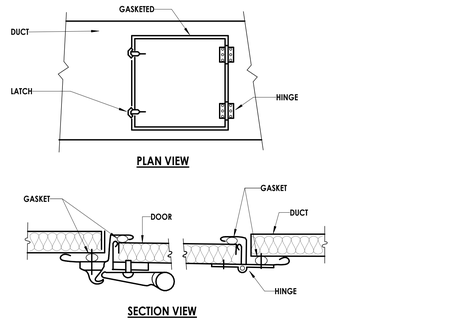
3 H800 **VARIABLE AIR VOLUME TERMINAL UNIT DETAIL**
NOT TO SCALE



4 H800 **PIPE PORTAL DETAIL**
NOT TO SCALE



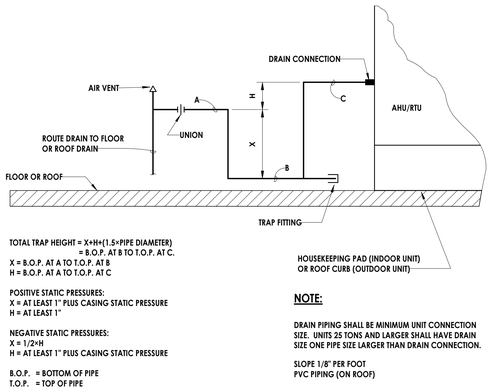
5 H800 **ROOFTOP UNIT CURB DETAIL**
NOT TO SCALE



PLAN VIEW

SECTION VIEW

6 H800 **ACCESS DOOR DETAIL**
NOT TO SCALE

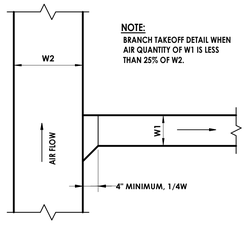


NOTE:

DRAIN PIPING SHALL BE MINIMUM UNIT CONNECTION SIZE. UNITS 25 TONS AND LARGER SHALL HAVE DRAIN SIZE ONE PIPE SIZE LARGER THAN DRAIN CONNECTION.

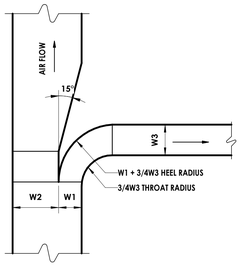
SLOPE 1/8" PER FOOT
PVC PIPING (ON ROOF)

7 H800 **-TYPICAL AHU/RTU CONDENSATE DRAIN DETAIL**
NOT TO SCALE

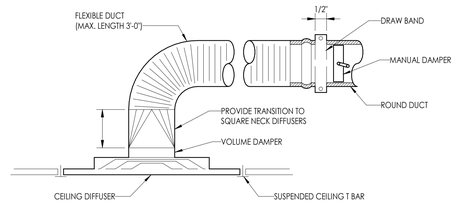


NOTE:
BRANCH TAKEOFF DETAIL WHEN AIR QUANTITY OF W1 IS LESS THAN 25% OF W2.

8 H800 **BRANCH TAKE-OFF DETAIL**
NOT TO SCALE



9 H800 **MAIN BRANCH TAKE-OFF DETAIL**
NOT TO SCALE



10 H800 **DIFFUSER DETAIL**
NOT TO SCALE

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Charlotte, NC 28210
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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 16220 08-27-2024 GREGORY A. KYZER REGISTERED

SOUTH CAROLINA CPL No. 2227 CERTIFICATE OF AUTHORIZATION

SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: DL
Checked By: RR
Drawing Title: DETAILS

Drawing Number
-
H800

1/14/2025 3:27:42 PM <project location>\3 Design & Project Files on BIM 360

FAN SCHEDULE

TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	TYPE	CFM	ESP (IN.WG.)	DRIVE	ELECTRICAL DATA							SONES	WEIGHT (LBS)
									BHP	MHP	V	PH	HZ	MOTOR RPM	VFD		
EF-1	ROOF	TOILET 103	COOK	70ACDL	DOWN BLAST - CENT	75	0.25	DIRECT	0.01	1/20	120	1	60	1406	NO	3.6	28
EF-2	ROOF	EVS 124	COOK	70ACDL	DOWN BLAST - CENT	60	0.25	DIRECT	0.01	1/20	120	1	60	1406	NO	3.6	28
EF-3	ROOF	TOILET 113/112	COOK	70ACEH	DOWN BLAST - CENT	140	0.25	DIRECT	0.02	1/20	120	1	60	1571	NO	3.9	34
EF-4	ROOF	STORAGE 130/129/131	COOK	90ACEH	DOWN BLAST - CENT	420	0.35	DIRECT	0.07	1/8	120	1	60	1463	NO	6.0	41
EF-5	ROOF	LOCKER ROOM 133/132/135	COOK	90ACEH	DOWN BLAST - CENT	330	0.30	DIRECT	0.04	1/8	120	1	60	1269	NO	4.9	35
EF-6	ROOF	CORRIDOR 143	COOK	70ACEH	DOWN BLAST - CENT	180	0.2	DIRECT	0.03	1/20	120	1	60	1625	NO	4.1	34
EF-7	ROOF	STORAGE 138	COOK	70ACEH	DOWN BLAST - CENT	120	0.2	DIRECT	0.02	1/20	120	1	60	1386	NO	3.5	34

NOTES

1. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT.
2. PROVIDE FAN MOUNTED SPEED CONTROL.
3. PROVIDE GRAVITY OPERATED BACKDRAFT DAMPER.
4. PROVIDE ALUMINUM BIRD SCREEN.
5. PROVIDE 12" ROOF CURB.

SINGLE DUCT VARIABLE AIR VOLUME TERMINAL UNIT (ELECTRIC HEAT)

TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	INLET SIZE (IN.)	OUTLET SIZE (IN.)	MAX. (CFM)	MIN. (CFM)	STATIC PRESSURE			NOISE		ELECTRIC HEAT						ELECTRICAL					
									INLET	DOWN	MIN.	MAX NC RAD	MAX NC DISC.	CFM	EAT (°F)	LAT (°F)	KW	BTUH (M)	STAGES	V	PH	HZ	MCA	FLA	MOCP
VAV-01	CONFERENCE 105	CONFERENCE 105	TRANE	VCEF	6	11x10	250	110	0.75	0.3	0.36	15	17	85	55	92.92	1	3.42	2	208	3	60	5.20	4.16	15.0
VAV-02	CONFERENCE 105	BREAKROOM 116/142	TRANE	VCEF	6	11x10	310	130	0.75	0.4	0.49	15	19	125	55	93.07	1.5	5.12	2	208	3	60	5.20	4.16	15.0
VAV-03	CORRIDOR 142	OFFICE 118	TRANE	VCEF	6	11x10	210	105	0.75	0.25	0.29	15	15	175	55	99.96	2.5	8.54	2	208	3	60	5.20	6.94	15.0
VAV-04	OFFICE 117	OFFICE 117	TRANE	VCEF	5	11x10	120	60	0.75	0.25	0.26	15	15	125	55	93.07	1.5	5.12	2	208	3	60	5.20	4.16	15.0
VAV-05	STORAGE 114	SLEEP 115	TRANE	VCEF	4	11x10	100	50	0.75	0.25	0.26	15	15	85	55	92.92	1	3.42	2	208	3	60	3.47	2.78	15.0
VAV-06	OFFICE 111	OFFICE 111	TRANE	VCEF	6	11x10	210	105	0.75	0.25	0.29	15	15	175	55	99.96	2.5	8.54	2	208	3	60	5.20	6.94	15.0

NOTES

1. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT. AND POWER FUSE.
2. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
3. PROVIDE SOUND ATTENUATOR AS NEEDED TO COMPLY WITH INDICATED NC LEVELS.
4. COORDINATE INSTALLATION OF CONTROLLER AND CONTROLS POWER TRANSFORMER WITH CONTROLS CONTRACTOR.
5. PROVIDE 1" FOIL FACED FIBERGLASS INSULATION.

FAN POWERED PARALLEL BOX (ELECTRIC HEAT)

TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	INLET SIZE (IN.)	OUTLET SIZE (IN.)	MAX. (CFM)	MIN. (CFM)	STATIC PRESSURE			SUPPLY FAN					NOISE		ELECTRIC HEAT						ELECTRICAL					
									INLET	DOWN	MIN.	MOTOR HP	VOLTS	PHASE	HERTZ	AIR FLOW (CFM)	NC RAD	NC DISC.	CFM	EAT (°F)	LAT (°F)	KW	BTUH (M)	STAGES	V	PH	HZ	MCA	FLA	MOCP
FPVAV-01	OFFICE 122	OFFICE 121/120/119/142	TRANE	VPEF	8	20x16	500	170	0.75	0.25	0.3	1/3	208	3	60	330	25	15	500	65.10	90.80	4.0	13.66	2	208	3	60	17.63	14.10	20.0
FPVAV-02	OFFICE 110	OFFICE 110/109/108	TRANE	VPEF	6	20x16	600	230	0.75	0.25	0.32	1/3	208	3	60	360	28	15	600	67.37	89.08	5.0	14.3	2	208	3	60	21.1	16.88	25.0
FPVAV-03	OFFICE 107	OFFICE 107/102	TRANE	VPEF	6	20x14	270	110	0.75	0.25	0.38	1/8	208	3	60	160	28	15	270	64.06	93.15	2.5	8.54	2	208	3	60	10.67	8.54	15.0
FPVAV-04	WAITING 101	WAITING 101	TRANE	VPEF	6	20x14	330	140	0.75	0.25	0.38	1/8	208	3	60	160	28	15	330	63.28	90.41	2.5	8.54	2	208	3	60	10.67	8.54	15.0
FPVAV-05	WAITING 101	VESTIBULE 100	TRANE	VPEF	6	20x14	310	110	0.75	0.25	0.39	1/3	208	3	60	200	28	15	310	67.89	94.12	2.5	8.54	2	208	3	60	12.42	9.94	15.0
FPVAV-06	STORAGE 114	WORK SPACE 106C/106/141	TRANE	VPEF	10	20x16	1100	460	0.75	0.25	0.3	1/3	208	3	60	300	28	19	760	64.21	91.86	6.5	22.20	2	208	3	60	26.30	21.04	30.0
FPVAV-07	EDUCATION 104	EDUCATION 104	TRANE	VPEF	10	20x16	750	310	0.75	0.25	0.3	1/3	208	3	60	300	28	15	600	64.41	93.26	5.5	18.78	2	208	3	60	22.83	18.27	25.0
FPVAV-08	STORAGE 129	STORAGE 129/130/131	TRANE	VPEF	8	20x16	535	160	0.75	0.25	0.3	1/3	208	3	60	200	28	15	360	63.33	93.93	3.5	11.95	2	208	3	60	15.98	12.72	20.0
FPVAV-09	CORRIDOR 142	VESTIBULE 128/126/125/123/122	TRANE	VPEF	8	20x16	670	250	0.75	0.25	0.36	1/3	208	3	60	420	30	15	670	64.84	91.89	5.5	18.78	2	208	3	60	22.83	18.27	25.0
FPVAV-10	CORRIDOR 143	CORRIDOR 143/138/140	TRANE	VPEF	8	20x16	410	160	0.75	0.25	0.3	1/3	208	3	60	250	27	15	410	64.38	91.62	3.5	11.95	2	208	3	60	15.89	12.72	20.0
FPVAV-11	FREEZER 136	LAUNDRY133/132/135/139	TRANE	VPEF	8	20x16	410	160	0.75	0.25	0.3	1/3	208	3	60	250	27	15	410	64.38	91.62	3.5	11.95	2	208	3	60	15.89	12.72	20.0

NOTES

1. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT.
2. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
3. PROVIDE SOUND ATTENUATOR AS NEEDED TO COMPLY WITH INDICATED NC LEVELS.
4. COORDINATE INSTALLATION OF CONTROLLER AND CONTROLS POWER TRANSFORMER WITH CONTROLS CONTRACTOR.
5. PROVIDE 1" FOIL FACED FIBERGLASS INSULATION.
6. HIGH EFFICIENCY ECM MOTOR.

ROOF TOP UNIT SCHEDULE (PART-1)

TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	SUPPLY FAN								STANDARD MIN. OA (CFM)	RELIEF FAN							ELECTRIC HEAT SCR MODULATING					
					AIR FLOW (CFM)	ESP (IN H20)	TOTAL S.P. (IN H20)	NUMBER OF MOTORS	BHP EA.	MOTOR HP EA.	TYPE	DRIVE		AIR FLOW (CFM)	E.S.P (INH20)	NUMBER OF MOTORS RF	MOTOR BHP	MOTOR HP	TYPE	DRIVE	EDB (°F)	LDB (°F)	TOTAL CAPACITY (MBH)	STAGES	CAPACITY (KW)
RTU-1	ROOF	ENTIRE BUILDING	TRANE	INTELLIPAK 3	7500	2.0	3.25	2	2.2	3	PLENUM	DIRECT	2100	7500	0.5	1	2.3	6	MOTORIZED IMPELLER	DIRECT	43	55.65	102.45	MODULATING	30.0

ROOF TOP UNIT SCHEDULE (PART-2)

TAG	DX COOLING PERFORMANCE								FILTERS		ELECTRICAL					WEIGHT (LBS)
	EAT		LAT		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AMBIENT (°F)	FACE VELOCITY (FPM)	VELOCITY (FPM)	EFFICIENCY	V	PH	HZ	MCA CIR-1/CIR-2	MOCP CIR-1/CIR-2	
	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)												
RTU-1	81.96	66.52	53.94	53.86	271.6	211.68	95	248	233	MERV 8	200	3	60	163 / 78.13	200 / 80.0	6874.7

NOTES

1. PROVIDE BACNET COMMUNICATION CARD.
2. PROVIDE 18" INSULATED ROOF CURB.
3. PROVIDE ONE VFD FOR EACH SUPPLY AND RELIEVE FANS.

DUCTLESS SPLIT SYSTEM AIR CONDITION SCHEDULE

TAG	LOCATION	SERVICE	MANUFACTURER	INDOOR MODEL	OUTDOOR MODEL	INDOOR UNIT CONFIGURATION	AIR FLOW (CFM)	COOLING CAPACITY (BTUH)	REF. TYPE	SEER	ELECTRICAL					WEIGHT LBS.(INDOOR/OUTDOOR)
											V	PH	HZ	MCA	MOCP	
SSI-1	ROOF	IT/ELECTRICAL 127	TRANE	TPKA0A030	TRUYA030	WALL MOUNTED	775	30,000	R-410	19.2	208	1	60	20.0	25.0	46/151
SSI-2	ROOF	IT/ELECTRICAL 127	TRANE	TPKA0A030	TRUYA030	WALL MOUNTED	775	30,000	R-410	19.2	208	1	60	20.0	25.0	46/151

NOTES

1. PROVIDE WIRED THERMOSTAT
2. PROVIDE CONDENSATE PUMP
3. PROVIDE BACNET COMMUNICATION CARD.
4. PROVIDE DRAIN PAN SENSOR
5. PROVIDE FRONT WIND BAFFLE FOR OPERATION IN COLD WEATHER UP TO 0 DEGREE F.
6. PROVIDE HAIL GUARD.

REGISTER GRILLES AND DIFFUSERS SCHEDULE

TAG	MANUFACTURER	MODEL	APPLICATION	MATERIAL	TYPE	FINISH	NOTES
RG1	PRICE	PDDR	RETURN/EXHAUST	ALUMINUM	PERFORATED	REFER TO ARCHITECT	1
RG2	PRICE	PDDR	RETURN/EXHAUST	ALUMINUM	PERFORATED	REFER TO ARCHITECT	2,4
RG3	PRICE	PDDR	RETURN/EXHAUST	ALUMINUM	PERFORATED	REFER TO ARCHITECT	3,4
RG4	PRICE	PDDR	RETURN/EXHAUST	ALUMINUM	PERFORATED	REFER TO ARCHITECT	5
SD1	PRICE	PDMC	SUPPLY	ALUMINUM	PERFORATED	REFER TO ARCHITECT	1
SD2	PRICE	PDMC	SUPPLY	ALUMINUM	PERFORATED	REFER TO ARCHITECT	2,4
SD3	PRICE	SPD	SUPPLY	ALUMINUM	PLAQUE	REFER TO ARCHITECT	3,4
SD4	PRICE	620	SIDE WALL SUPPLY	ALUMINUM	DOUBLE DEFLECTION GRILLE	REFER TO ARCHITECT	4,6

NOTES

1. EXTENDED FACE - LAY IN MOUNTED, 24X24 FRAME.
2. SURFACE MOUNTED, 24X24 FRAME.
3. SURFACE MOUNTED, 12X12 FRAME.
4. PROVIDE WITH NECK MOUNTED VOLUME DAMPER.
5. DUCT MOUNTED, 12X12 FRAME.
6. SEE PLANS FOR SIZE

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PROJECT INFORMATION

Project Number
R23.0130.9.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SHEET INFORMATION

Issued: 08/27/2024
Scale:
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: DL
Checked By: RR
Drawing Title: SCHEDULES

Drawing Number
-
H900

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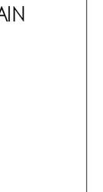
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE TYPE		OPERATION	GPM/GPF	MANUFACTURER	CATALOG NO.	CONNECTION SIZES WASTE	CONNECTION SIZES C.W.	CONNECTION SIZES H.W.	DESCRIPTION	TRAP AND SUPPLIES	ACCESSORIES	MOUNTING	REMARKS
W1	**FLOOR MOUNTED** FLUSH VALVE WATER CLOSET, ELONGATED VITREOUS CHINA BOWL, 16-5/8" RIM HEIGHT		MANUAL	1.28 GPF	KOHLER	HIGHCLIFF ULTRA K-96057-B	4"	1/2"	--	FLUSHOMETER BOWL, FLOOR MOUNTED, ELONGATED TOILET WITH 1-1/2" TOP SPUD. ADA COMPLIANT	SLOAN ROYAL MANUAL DIAPHRAGM TOP SPUD FLUSH VALVE MODEL 111-1.28 POLISHED CHROME FINISH.	CHURCH MODEL 9500-SSCT HEAVY DUTY ELONGATED WITH STA-TITE COMMERCIAL FASTENING SYSTEM.	FLOOR MOUNTED	FOR HANDICAP AND GENERAL USE
L1	WALL MOUNTED LAVATORY (ASSE 1070 MIXING VALVE INCLUDED WITH FAUCET.)		MANUAL	0.5 GPM	KOHLER	GREENWICH K-2031-N	1-1/2"	1/2"	1/2"	20-3/4" x 18-1/4" WALL MOUNTED VITREOUS CHINA WITH SINGLE HOLE DRILLING	McGUIRE 155A GRID STRAINER McGUIRE 8902C P-TRAP McGUIRE LFBV2165 SUPPLY KIT **PLUMBEREX - X4333 PRO-EXTREME KIT**	T&S BRASS SENSOR FAUCET EC-3102-VF5-TMV, SINGLE HOLE, DECK MOUNT, CAST SPOUT W/0.5 GPM VR NON-AERATED AERATOR, AC/DC CONTROL MODULE WITH INTEGRAL FLOW CONTROL SETTINGS, (TMV) ASSE 1070 THERMOSTATIC TEMPERATURE CONTROL MIXING VALVE WITH INTEGRAL CHECK VALVES & 18" STAINLESS STEEL HOSES	WALL MOUNTED	FOR HANDICAP AND GENERAL USE
MB1	MOP BASIN		MANUAL	0.5 GPM	FLORESTONE	MSR-2424	3"	1/2"	1/2"	MOLDED ONE-PIECE WITH NO SEAMS, SHOULDERS WILL BE NO LESS THAN 1" WIDE AND 9-1/2" INSIDE WITH INTEGRAL DRAIN & FLAT TYPE #340 18 GAUGE S.S. DRAIN GRID.	(MR-371) MOEN FAUCET WITH VACUUM BREAKER, DOUBLE STOPS, AND BUCKET HOOK WITH BRACE. (MR-370) 5/8" 5' FOOT LONG HOSE WITH CLAMP	(MR-373) 304 STAINLESS STEEL RIM GUARD WITH TWO PANELS.	FLOOR MOUNTED	FOR HANDICAP AND GENERAL USE
EWC1	WATER COOLER WITH BOTTLE FILLER - ADA HANDS FREE ACTIVATION		MANUAL	N/A	ELKAY	LZS8WSSP	1-1/2"	1/2"	X	WATER COOLER SINGLE ADA WATER COOLER WITH BOTTLEFILLER, WALL MOUNTED, HANDS-FREE ACTIVATION, FLEX-GUARD SAFETY BUBBLER, 8.0 GPH, VISUAL FILTER MONITOR, QUICK FILER CHANGE, UNIT SHALL COMPLY WITH NSF/ANSI 61 & 372.	McGUIRE 8902C P-TRAP McGUIRE LFBV2165 SUPPLY KIT ELKAY EWF3000 WATER FILTER KIT	PROVIDE ELECTRIC WATER COOLER FIXTURE SUPPORT, MLP100 FLOOR MOUNTED TYPE WITH SUPPORT PLATES AND FIXTURE MOUNTING STUDS.	WALL MOUNTED	FOR HANDICAP AND GENERAL USE
S1	BREAKROOM SINK SINGLE BOWL (PROVIDE ASSE 1070 MIXING VALVE BELOW SINK.)		MANUAL	1.0 GPM	JUST MFG	USADA1821A55-J	1-1/2"	1/2"	1/2"	**SINK:** 21-1/2 "x 18-1/2 "x 5-3/8" DEEP 304 18 GAUGE STAINLESS STEEL UNDERMOUNT SINGLE BOWL WITH A LUSTROUS SATIN FINISH, REAR CENTER DRAIN. **FAUCET:** T&S BRASS B-2866-05CR-L15, 8" CONCEALED DECK MOUNT MIXING FAUCET WITH FORGE BRASS BODY, 5-3/4" SWIVEL GOOSENECK, 1.5 LAMINAR FLOW AERATOR,CERAMIC CARTRIDGE WITH CHECK VALVES, 4" WRIST BLADE HANDLES, MEETS ADA A117.1 REQUIREMENTS. COORDINATE FAUCET HOLES WITH CABINET VENDOR & GC		J-35-FS CHROME PLATED FLAT STRAINER McGUIRE 8912C P-TRAP W/CO PLUG McGUIRE LFBV2165 SUPPLY KIT **PLUMBEREX HANDI SHIELD - 2003** PROVIDE T&S BRASS BP-TMV-38C ASSE 1070 APPROVED MIXING VALVE	CABINET MOUNTED COORDINATE FAUCET HOLE REQUIREMENTS WITH COUNTERTOP VENDOR	FOR HANDICAP AND GENERAL USE
SH1	SHOWER VALVE & TENCH DRAIN		MANUAL	N/A	ZURN	ZS880-60-TG-EO-FS-LB	TRENCH DRAIN	--	--	**TRENCH DRAIN:** ALL TYPE 304 FABRICATED STAINLESS STEEL LINEAR SHOWER DRAIN COMPLETE WITH VERTICALLY ADJUSTABLE ANCHORING SUPPORT LEGS, ANTI-PONDING V-SHAPED CHANNEL WITH 2" NO-HUB END BOTTOM OULET (EO), ADJUSTABLE SECURED LEVELING FRAME WITH BUILT IN-TILE EDGE, INTEGRAL MEMBRANE FLANGE FOR GLUE ON WATERPROOFING MEMBRANE (LB), LIGHT DUTY, (TG) SLOTTED HEEL-PROOF GRATE. DRAIN IS DESIGNED FOR INSTALLATION IN A MINIMUM 2" CONCRETE POUR AND CAN ADJUSTED TO ACCOMMODATE 1/4" AND 3/8" TILE THICKNESS. COORDINATE WITH GENERAL CONTRACTOR.		**COORDINATE INSTALLATION OF SHOWER VALVE & DRAIN WITH GENERAL CONTRACTOR & DETAIL 1/P801**	FLOOR MOUNTED LINEAR TRENCH DRAIN ASSEMBLY. WALL MOUNTED SHOWER VALVE ASSEMBLY.	FOR HANDICAP AND GENERAL USE
			MANUAL	1.5 GPM	CHICAGO	SH-PB1-13-032	--	1/2"	1/2"	**SHOWER VALVE:** CHICAGO ADA SHOWER SYSTEM WITH PRESSURE BALANCING VALVE, INTEGRAL SERVICE STOPS, DIVERTER VALVE, SHOWER HEAD WITH BALL JOINT, 1.5 GPM MAX., INCLUDING ARM AND WALL FLANGE. HAND SPRAY WITH 1.5 GPM MAX. WITH 59" STAINLESS STEEL HOSE & PAUSE CONTROL, 60" WALL-MOUNTED SLIDE BAR, WALL ELBOW WITH IN-LINE VACUUM BREAKER. UNIT SHALL COMPLY WITH ADA ANSI/ICC A117.1 REQUIREMENTS & ASSE 1016.				
IMB-1	ICE MAKER BOX FOR REFRIGERATOR WITH WATER FILTER & FLEX HOSE SEE DETAIL 5/P000		MANUAL	N/A	OATEY	39142	N/A	1/2"	--	OATEY WATER OUTLET BOX WITH1/4 TURN VALVE & WATER HAMMER ARRESTOR & 6' S.S. HOSES TO ICE MAKER AT REFRIGERATOR. PROVIDE WATTS SD3 ASSE 1022 BACKFLOW DEVICE.			WALL MOUNTED	COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.

REMARKS

1. ALL ACCESSIBLE EQUIPMENT/FIXTURES TO BE INSTALLED PER ADA REQUIREMENTS.
2. PLUMBING CONTRACTOR SHALL PROVIDE ALL RISERS, CARRIERS, P-TRAPS, STOPS, STRAINERS, TAIL PIECES, DRAINS, ETC. REQUIRED TO HAVE A COMPLETE INSTALLATION.
3. COORDINATE ALL ROUGHIN REQUIREMENTS FOR PLUMBING FIXTURES WITH CABINET/CASEWORK VENDOR.

WATER HEATER & ASSOCIATED EQUIPMENT SCHEDULE

SYMBOLS	DESCRIPTION	MANUFACTURER	MODEL	GAL CAP	KW	VOLT/PH/HZ.	FIRST HOUR RATING	GPH RECOVERY	BAS	GEN	MANUFACTURER & MODEL NUMBER	NOTES
WH-1	WATER HEATER	STATE	PCE-30-20LS	33	4500/ 4500	120/1/60	N/A	23 GPH @ 80 F RISE	NO	NO	STATE "PATRIOT" COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER. SEE WATER HEATER DETAIL 1/P000 ROUTE DRAIN PAN TO MOP BASIN. BOTTOM OF WATER HEATER TO BE 6'-6" AFF	SEE NOTE 1 & 2
WH-2	WATER HEATER	STATE	PCE-50-20LS	48	1500	120/1/60	N/A	23 GPH @ 80 F RISE	NO	NO	STATE "PATRIOT" COMMERCIAL LIGHT DUTY ELECTRIC WATER HEATER. SEE WATER HEATER DETAIL 1/P000 ROUTE DRAIN PAN TO MOP BASIN. BOTTOM OF WATER HEATER TO BE 6'-6" AFF	SEE NOTE 1
RP-1	RECIRCULATION PUMP	B&G	PL-30B	N/A	1/12	120/1/60	N/A	N/A	NO	NO	B&G MAINTENANCE-FREE CIRCULATORS WITH LEAD FREE BRONZE BODY, WITH CHECK TROL ISOLATION VALVE & TC-1 TIMER KIT.	SEE NOTE 1
ET-1	EXPANSION TANK	AMTROL	ST-5C-DD	2.0	N/A	MAX ACCEPTANCE FACTOR = .45		N/A	NO	NO	THER-X-TROL THERMAL EXPANSION TANK, FULL ACCEPTANCE BLADDER ST SERIES - **ASME**, 125 PSIG WORKING PRESSURE, CARBON STEEL CONSTRUCTION, HEAVY DUTY BUTYL BLADDER, STAINLESS STEEL CONNECTIONS, RED OXIDE PRIMER, SCHROEDER AIR VALVE WITH EPDM SEAT, WITH SIGHT GLASS, DESIGNED AND CONSTRUCTED PER ASME CODE SECTION VIII DIVISION 1.	SEE NOTE 1
ET-2	EXPANSION TANK	AMTROL	ST-5C-DD	2.0	N/A	MAX ACCEPTANCE FACTOR = .45		N/A	NO	NO	THER-X-TROL THERMAL EXPANSION TANK, FULL ACCEPTANCE BLADDER ST SERIES - **ASME**, 125 PSIG WORKING PRESSURE, CARBON STEEL CONSTRUCTION, HEAVY DUTY BUTYL BLADDER, STAINLESS STEEL CONNECTIONS, RED OXIDE PRIMER, SCHROEDER AIR VALVE WITH EPDM SEAT, WITH SIGHT GLASS, DESIGNED AND CONSTRUCTED PER ASME CODE SECTION VIII DIVISION 1.	SEE NOTE 1

NOTES:

1.) SEE PLANS FOR REQUIRED PIPE SIZES.
2.) PROVIDE VOLTAGE CONVERSATION KIT AS REQUIRED.

PLUMBING DRAINAGE SCHEDULE

SYMBOLS	DESCRIPTION	LOCATION	MANUFACTURER & MODEL NUMBER	NOTES
FD-A	FLOOR DRAIN	FLOOR AREA DRAINS	MIFAB SERIES F1000-TS-3-7 (6" DIA.) ROUND TOP SET FINISHED FLOOR DRAIN WITH CAST IRON BODY, SECURING AND ADJUSTABLE HARDWARE, ALLEN KEY VANDAL RESISTANT STAINLESS STEEL SCREWS AND HEAVY DUTY HEEL PROOF STRAINER THAT CAN ADJUSTED VERTICALLY AND SIDE TO SIDE AFTER THE POUR WITH 1/2" THICK COMPOSITE STRAINER PROTECTIVE COVER AND INDICATING WHISKER	SEE NOTE 1&2
FD-B	FLOOR DRAIN	FLOOR AREA DRAINS	MIFAB SERIES F1000-TS-3-7 (6" DIA.) ROUND TOP SET FINISHED FLOOR DRAIN WITH CAST IRON BODY, SECURING AND ADJUSTABLE HARDWARE, ALLEN KEY VANDAL RESISTANT STAINLESS STEEL SCREWS AND HEAVY DUTY HEEL PROOF STRAINER THAT CAN ADJUSTED VERTICALLY AND SIDE TO SIDE AFTER THE POUR WITH 1/2" THICK COMPOSITE STRAINER PROTECTIVE COVER AND INDICATING WHISKER	SEE NOTE 1&2
FCO	FLOOR CLEANOUT	INTERIOR OF BUILDING	MIFAB SERIES F1000-TS-3-7 (6" DIA.) ROUND TOP SET FINISHED FLOOR DRAIN WITH CAST IRON BODY, SECURING AND ADJUSTABLE HARDWARE, ALLEN KEY VANDAL RESISTANT STAINLESS STEEL SCREWS AND HEAVY DUTY HEEL PROOF SOLID GAS TIGHT COVER THAT CAN ADJUSTED VERTICALLY AND SIDE TO SIDE AFTER THE POUR WITH 1/2" THICK COMPOSITE STRAINER PROTECTIVE COVER AND INDICATING WHISKER.	SEE NOTE 1&2
WCO	WALL CLEANOUT	INTERIOR OF BUILDING	MIFAB SERIES C1430-RD-4 OR 6 CAST BRASS CLEANOUT PLUG WITH ROUND, SMOOTH, STAINLESS STEEL ACCESS COVER (4 OR 6 INCH DIA.) AND 3-1/2" LANG ANCHOR SCREW.	SEE NOTE 1
CO	CLEANOUT	INTERIOR OF BUILDING	MIFAB THREADED BRONZE CLEANOUT PLUG AND 1/4" NPT ACCESS HEX HEAD PLUG.	SEE NOTE 1
GCO 2-WAY	GRADE CLEANOUT	EXTERIOR OF BUILDING	MIFAB SERIES F1000-TS-3-7 (6" DIA.) ROUND TOP SET FINISHED FLOOR DRAIN WITH CAST IRON BODY, SECURING AND ADJUSTABLE HARDWARE, ALLEN KEY VANDAL RESISTANT STAINLESS STEEL SCREWS AND HEAVY DUTY HEEL PROOF SOLID GAS TIGHT COVER THAT CAN ADJUSTED VERTICALLY AND SIDE TO SIDE AFTER THE POUR WITH 1/2" THICK COMPOSITE STRAINER PROTECTIVE COVER AND INDICATING WHISKER. PROVIDE 12"X12"X6" THICK CONCRETE PAD WITH 2-WAY GCO LOCATED IN THE CENTER.	SEE NOTE 1
SA-X	SHOCK ARESSTOR	AT EACH PLUMBING FIXTURE	MIFAB CL SERIES PISTON OPERATED WATER HAMMER ARRESTOR WITH HARD DRAWN SEAMLESS "K" COPPER BODY, RYTON PPS PISTON WITH DOUBLE O-RINGS (PARCO # 5778-80) AND CDA 360 BRASS MPT CONNECTIONS. CERTIFIED TO THE ASSE 1010-1196 AND ANSI A112.26.1 STANDARDS.	WATER HAMMER ARRESTORS SHALL SIZED PER MFG. RECOMMENDATIONS.
AFH	ANTI-FREEZE HYDRANT	AS INDICATED	MIFAB MHY-25 ENCASED NON-FREEZE LOW LEAD WALL HYDRANT, A.S.S.E. 1019-B AND 1053 CERTIFIED EXPOSED TYPE, SELF DRAINING NON-FREEZE LOW LEAD WALL HYDRANT WITH ASSE 1011 APPROVED ANTI-SIPHON AND VANDAL RESISTANT INTEGRAL VACUUM BREAKER WITH 3/4" HOSE CONNECTION, 360 DEGREE SWIVEL INLET CONNECTION, & HEAVY DUTY CHROME PLATED BRONZE HEAD CASTING, POLISHED STAINLESS STEEL FACE PLATE, AND SATIN FINISHED NICKEL BRONZE BOX WITH HINGED LOCKING COVER. OPERATING KEY WITH EACH FAUCET.	SEE NOTE 1
RH1	ROOF HYDRANT	ON ROOF	MIFAB MHY-58-8 ROOF HYDRANT SELF-DRAINING, NON-FREEZE ROOF HYDRANT WITH 3/4" MALE HOSE CONNECTION WITH HEAVY DUTY CAST IRON CASTING AND LIFT HANDLE WITH LOCK FEATURE AND COMBINATION 3/4" FEMALE AND 1" MALE INLET CONNECTION. HYDRANT ASSEMBLY COMPLETE WITH ONE PIECE NEOPRENE PLUNGER, HARDENED BRONZE OPERATING STEM, 1" GALVANIZED STEEL CASING, 1/8" DRAIN PORT IN THE BRONZE TAILPIECE, 3/4" ADAPTER VACUUM BREAKER. ROUTE DRAIN PORT TO MOP BASIN.	COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
DS-1	DOWN SPOUT ADAPTER	EXTERIOR OF BUILDING	MIFAB DOWNSPOUT BOOT MODEL R1510-24 LACQUERED CAST IRON DOWNSPOUT BOOT WITH WALL SECURING CLAMP AND HARDWARE. TO TRANSITION 4"x3" RECTANGULAR DOWN SPOUT BOOT TO 4" RDL ROUND PIPING BELOW GROUND	SEE NOTE 1

NOTES:

1.) SEE PLANS FOR REQUIRED DRAIN PIPE SIZES.
2.) PROVIDE SURE SEAL INLINE TRAP SEAL PER ASSE 1072 WITH EACH FLOOR DRAIN.

GENERAL NOTES

1. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL OFFSETS AND FITTINGS REQUIRED. GENERALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION. SPECIAL CARE SHALL BE TAKEN TO COORDINATE EQUIPMENT AND PIPING LOCATIONS WITH ALL OTHER TRADES. IF INTENT OF DESIGN IS NOT CLEAR CONTRACTOR SHOULD NOTIFY THE ENGINEER IMMEDIATELY.
2. ON FLOOR PLAN DRAWINGS, SOIL, WASTE, AND RAINWATER PIPING IS SHOWN BELOW FLOOR. DOMESTIC WATER, VENTS, AND OTHER SUPPLY PIPING (UNLESS NOTED) IS ABOVE CEILING OR AS HIGH AS POSSIBLE IN SPACE.
3. SOIL AND WASTE PIPING SHALL BE INSTALLED ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 2-1/2", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER.
4. PLUMBING CONTRACT SHALL TERMINATE AT POINTS INDICATED ON PLAN . EXTENSION OF BUILDING SERVICE PIPING TO SITE UTILITY PIPING SHALL BE PART OF SITE UTILITY CONTRACT.
5. CONSTRUCTION INTERFACE BETWEEN PLUMBING AND OTHER SUB-CONTRACTS (I.E. SITE WORK, HVAC EQUIPMENT, ELECTRICAL WORK, ETC.) SHALL BE CLOSELY COORDINATED WITH OTHER DRAWINGS INCLUDED WITH THESE DOCUMENTS.
6. PROVIDE SHOCK ARRESTORS, SIZED IN ACCORDANCE WITH P.D.I. STANDARDS, AT EACH BRANCH SERVING FLUSH VALVE FIXTURES.
7. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANELS COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR. PANELS SIZES SHALL BE MINIMALLY SIZED 16"x16".
8. PROVIDE CLEANOUTS AT LOCATIONS INDICATED ON THE DRAWINGS AND AT ALL OTHER POINTS NOT SPECIFICALLY INDICATED BUT REQUIRED BY THE PLUMBING CODE.
9. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.
10. FIRE RATED WALLS ARE INDICATED ON THE PLANS BY USING CPL STANDARD SYMBOLS. PIPING PENETRATING FIRE RATED WALLS SHALL BE FIRESTOP IN ACCORDANCE WITH APPROPRIATE U.L. ASSEMBLY DETAILS FOR EACH GIVEN RATING. FIRESTOP INSTALLATION SHALL BE PERFORMED BY A CERTIFIED FIRESTOP APPLICATOR WORKING WITHIN THE PLUMBING CONTRACT.
11. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.
12. REFER TO STRUCTURAL DRAWINGS FOR DIMENSIONED COLUMN AND STRUCTURE LOCATIONS.
13. PRESSURE REDUCING VALVES SHALL BE SET TO ALLOW MAXIMUM OF 60 PSI IMMEDIATELY DOWNSTREAM OF EACH.
14. THE GENERAL CONTRACTOR SHALL PROVIDE ALL PAINTING. THE PLUMBING CONTRACTOR SHALL COVER AND PROTECT ALL PLUMBING CONTRACT EQUIPMENT, PANELS, CONTROLS, INSTRUMENTATION, MOTORS, SYSTEMS, AND COMPONENTS THAT MAY BE DAMAGED, OBSCURED OR COVERED BY THE PAINTING ACTIVITIES OF THE GENERAL CONTRACTOR. UNPROTECTED ITEMS THAT MAY BECOME DAMAGED SHALL BE REPLACED, NOT REPAIRED , AT THE PLUMBING CONTRACTOR'S EXPENSE. PROTECTED ITEMS THAT BECOME DAMAGED BY THE GENERAL CONTRACTOR DURING THE PAINTING ACTIVITIES SHALL BE REPLACED, NOT REPAIRED , AT THE GENERAL CONTRACTOR'S EXPENSE.
15. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO FINISHED SURFACES THAT MIGHT BE DAMAGED DURING CONSTRUCTION ASSOCIATED WITH PLUMBING WORK. THIS INCLUDES PATCHING AND REPAINTING TO MATCH FINISHED SURFACES WHERE WORK HAS BEEN COMPLETED.
16. EQUIPMENT SELECTIONS SCHEDULED ON THE DRAWINGS AND IN THE SPECIFICATIONS INDICATE A MINIMUM LEVEL OF ACCEPTABLE PERFORMANCE. SUBSTITUTION OF EQUIPMENT AND MATERIAL SHALL BE MADE IN ACCORDANCE WITH ARTICLE 8 OF THE GENERAL CONDITIONS.
17. ALL PIPE ELEVATIONS ARE TO BOTTOM OF PIPE (NOT INSULATION), UNLESS OTHERWISE NOTED.
18. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LEADING AND ACHIEVING COORDINATION OF ALL TRADES, SO THAT ALL WORK WILL FIT AND CAN BE PROPERLY INSTALLED BY ALL OTHER TRADE CONTRACTORS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DETAILED INFORMATION FROM ALL TRADES TO SHOW LOCATIONS, SIZES AND COORDINATION ON COORDINATION OVERLAY SHOP DRAWINGS. MECHANICAL CONTRACTOR SHALL PREPARE COORDINATION OVERLAY DRAWINGS.
19. ANY SUBDIVISIONS OF THE DRAWINGS OR SPECIFICATIONS ARE NOT INTENDED TO ESTABLISH SUBDIVISION OF THE WORK, SUCH AS LIMITS OF A SUBCONTRACTORS WORK OR TRADE JURISDICTION.
20. AS AN INTEGRAL PART OF THE CONSTRUCTION PROCESS, THE PLUMBING CONTRACTOR SHALL IMPLEMENT COMPREHENSIVE COMMISSIONING SERVICES TO PROVIDE A COMPLETE AND FULLY FUNCTIONING INSTALLATION.
21. THE CONTRACTOR SHALL PROVIDE WARRANTIES FOR ALL WORK, EQUIPMENT, MATERIAL, AND DEVICES FOR A MINIMUM PERIOD OF ONE YEAR FROM DATE OR FINAL ACCEPTANCE. EXTENDED WARRANTIES SHALL BE PROVIDED AS NOTED. DELIVERY DATES AND START-UP DATES SHALL NOT BE USED AS THE BASIS OF WARRANTY START PERIODS.
22. ALL MATERIALS, EQUIPMENT, AND DEVICES SHALL, AS A MINIMUM, COMPLY WITH THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE USED.
23. ALL ITEMS SHALL BE NEW, UNLESS OTHERWISE NOTED. ALL MATERIALS, EQUIPMENT, AND DEVICES SHALL BE CURRENT PRODUCTS BY MANUFACTURER REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
24. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND RECOMMENDATIONS.
25. THE CONTRACTOR SHALL COORDINATE WITH AND OBTAIN PERMITS AND INSPECTIONS FROM THE AUTHORITY HAVING JURISDICTION. ALL FEES SHALL BE INCLUDED WITH THE BID.
26. ALL ASPECTS OF THE WORK REQUIRED FOR THIS PROJECT SHALL COMPLY, AS A MINIMUM, WITH THE PROVISIONS OF ASHRAE 90.1 AND THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE.
27. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E 84 EXCEPT FOR TESTED AND LABELED PIPING AND MATERIALS.

PLUMBING LOAD SUMMARY				
SYSTEM	TOTAL	MAIN SIZE	FLOW	USAGE PER 8HR SHIFT
DRAINAGE	50 DFU	(2) 4"	X	1938 GPD
WATER	71.5 WFU	2"	58 GPM	2550 GPD

NOTES:

1.) ALL METER & TAP, ETC. FEES BY PLUMBING CONTRACTOR.
2.) ALL COORDINATION & SCHEDULING WITH LOCAL UTILITIES BY PLUMBING CONTRACTOR.
3.) COORDINATE ALL UTILITY REQUIREMENTS WITH SITE UTILITY CONTRACTOR & LOCAL UTILITY PROVIDERS.

PLUMBING EQUIPMENT SCHEDULE

SYMBOLS	DESCRIPTION	MANUFACTURER	MODEL	VOLT/PH/HZ.	BAS	GEN	MANUFACTURER & MODEL NUMBER	NOTES
BFP-1	DOUBLE CHECK VALVE BACKFLOW DEVICE	ZURN WILKINS	950XL3-S	N/A	NO	NO	ZURN WILKINS CERTIFIED TO NSF/ANSI/CAN 61 AND 372, SHALL BE ASSE LISTED 1015, RATED TO 180 F, AND SUPPLIED WITH FULL PORT QT BALL VALVES, THE MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE (ASTM B 584), THE SEAT RING AND ALL INTERNAL POLYMERS SHALL BE NORYL AND THE SEAT DISC ELASTOMERS SHALL BE SILICONE. THE FIRST AND SECOND CHECK SHALL BE LOCATED AT ANGLED AND ACCESSIBLE FOR MAINTENANCE FROM THE TOP OF THE DEVICE, WITHOUT REMOVING THE DEVICE FROM THE LINE. THE CHECKS SHALL SHARE A SINGLE ACCESS COVER AND TEST COCKS SHALL BE ACCESSIBLE FROM THE TOP OF THE DEVICE	SEE NOTE 1
BFP-2	SPRINKLER SYSTEM BACKFLOW DEVICE	--	--	--	NO	NO	REFER TO FIRE PROTECTION DRAWINGS FOR INFORMATION. BACKFLOW DEVICE PROVIDED BY SPRINKLER CONTRACTOR.	SEE NOTE 1&3
BFP-3	REDUCED PRESSURE PRINCIPLE BACKFLOW DEVICE	ZURN WILKINS	975XL3-S-AG-X	N/A	NO	NO	ZURN WILKINS CERTIFIED TO NSF/ANSI/CAN 61 AND 372, SHALL BE ASSE LISTED 1013, RATED TO 180 F, AND SUPPLIED WITH FULL PORT QT BALL VALVES, THE MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE (ASTM B 584), THE SEAT RING AND ALL INTERNAL POLYMERS SHALL BE NORYL AND THE SEAT DISC ELASTOMERS SHALL BE SILICONE. THE FIRST AND SECOND CHECK SHALL BE LOCATED AT ANGLE AND ACCESSIBLE FOR MAINTENANCE FROM THE TOP OF THE DEVICE, WITHOUT REMOVING THE DEVICE FROM THE LINE. THE CHECKS SHALL SHARE A SINGLE ACCESS COVER AND TEST COCKS SHALL BE ACCESSIBLE FROM THE TOP OF THE DEVICE. PROVIDE AIR GAP ADAPTOR & ROUTE TO FLOOR DRAIN	SEE NOTE 1
PRV-1	PRESSURE REDUCING VALVE	ZURN WILKINS	600XL3-G	N/A	NO	NO	ZURN WILKINS CERTIFIED TO NSF/ANSI/CAN 61 AND 372, SHALL BE ASSE LISTED 1003, NO LEAD CAST BRONZE BODY AND BRONZE BELL HOUSING WITH STRAINER, AND BOLT TO ADJUST DOWNSTREAM PRESSURE, THE ASSEMBLY SHALL BE OF THE BALANCED PISTON DESIGN AND SHALL REDUCE PRESSURE IN BOTH FLOW AND NO-FLOW CONDITIONS WITH INTEGRAL VENTURI FOR IMPROVED FLOW PERFORMANCE. THE ASSEMBLY SHALL BE ACCESSIBLE FOR MAINTENANCE WITH OUT HAVING TO REMOVED THE BODY FROM THE LINE. SHALL INCLUDE A REMOVABLE CARTRIDGE AND CORROSION RESISTANCE MATERIALS. PROVIDE PRESSURE GAUGE BEFORE AND AFTER THE PRV. INCOMING PRESSURE IS APPROXIMATELY 100 PSI STATIC. SET PRV TO DELIVER 60 PSI	SEE NOTE 1 & 2

NOTES:

1.) SEE PLANS FOR REQUIRED PIPE SIZES.
2.) INCOMING STATIC WATER PRESSURE IS APPROXIMATELY 100 PSI. SET PRV TO DELIVER 60 PSI TO BUILDING.
3.) SEE FIRE PROTECTION DRAWINGS FOR BFP-2

PLUMBING / PIPING LEGEND

- WASTE PIPING (W) (SAN)
- VENT PIPING (V)
- COLD WATER PIPING (CW)
- HOT WATER PIPING (HW)
- HOT WATER RETURN PIPING (HWR)
- PD — PUMPED DRAINAGE (PD)
- (AC) — ABOVE CEILING
- (BS) — BELOW SLAB
- HD — HUB DRAIN
- TEE OUTLET - UP
- TEE OUTLET - DOWN
- CONNECTION - BOTTOM
- CONNECTION - TOP
- ELBOW - TURNED UP
- ELBOW - TURNED DOWN
- PIPE CAP
- UNION
- FLANGE
- BALL VALVE
- BALL VALVE WITH MEMORY STOP
- BALANCING VALVE OR GAS PRV
- CHECK VALVE
- BUTTERFLY VALVE
- GATE VALVE
- GLOBE VALVE
- PLUG VALVE
- PRESSURE RELIEF VALVE
- TEMPERATURE-PRESSURE RELIEF VALVE
- PRESSURE REDUCING VALVE
- COMBINATION VALVE (ISOLATION, CHECK, BALANCING)
- GAS PRESSURE REGULATOR
- HW BALANCING VALVES (BV-1)
- CO — CLEAN OUT
- FCO / GCO — FLOOR CLEAN OUT / GRADE CLEAN OUT
- WCO — WALL CLEAN OUT
- FD — FLOOR DRAIN
- PRESSURE GAUGE
- THERMOMETER
- STRAINER
- INLINE PUMP
- WATER HAMMER ARRESTER
- RPZ — REDUCED PRESSURE ZONE BACK FLOW PREVENTER
- DCVA — DOUBLE CHECK VALVE ASSEMBLY

PIPE SIZING SCHEDULE			
FIXTURE TYPE	CW	HW	TW
(WC) WATER CLOSET	1"	X	X
(L) LAVATORY (MAX TEMP @ 105 F)	1/2"	1/2"	X
(EWC) DRINKING FOUNTAIN	1/2"	X	X
(MB) MOP BASIN	3/4"	3/4"	X
(S) SINKS (MAX TEMP @ 105 F)	1/2"	1/2"	X
(HB) HOSE BIBB	1/2"	X	X
(AFH) ANTI-FREEZE HYDRANT	3/4"	X	X

NOTES:

1.) CONFIRM PIPE SIZES WITH FIXTURE / CUT SHEET INSTALLATION INFORMATION PROVIDED BY THE MANUFACTURER. COORDINATE ROUGHIN ELEVATIONS WITH DRAWING A-700

2.) COMPLY WITH MINIMUM PIPE SIZES PER LATEST PLUMBING CODE REQUIREMENTS.

3.) TYPICAL PIPE SIZES TO FIXTURES UNLESS OTHERWISE NOTED

CW = COLD WATER
HW = HOT WATER
TW = TEMPERED WATER

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

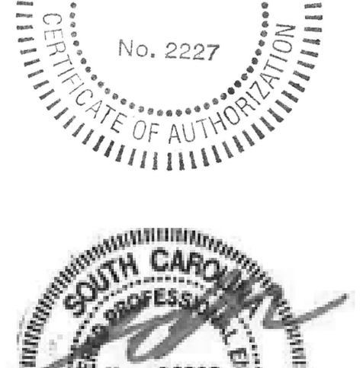
Project Name
CORONER'S FACILITY - YCE PROJECT #20312

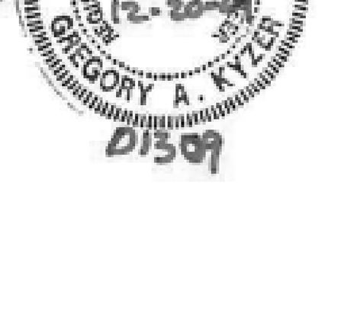
Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
A	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS





SHEET INFORMATION

Issued: 08/27/2024
Scale: NOT TO SCALE
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: RLA
Checked By: GAK
Drawing Title: PLUMBING LEGEND, NOTES, & SYSTEM DIAGRAMS

Drawing Number
-
P000

GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH THE 2021 SOUTH CAROLINA PLUMBING CODE.

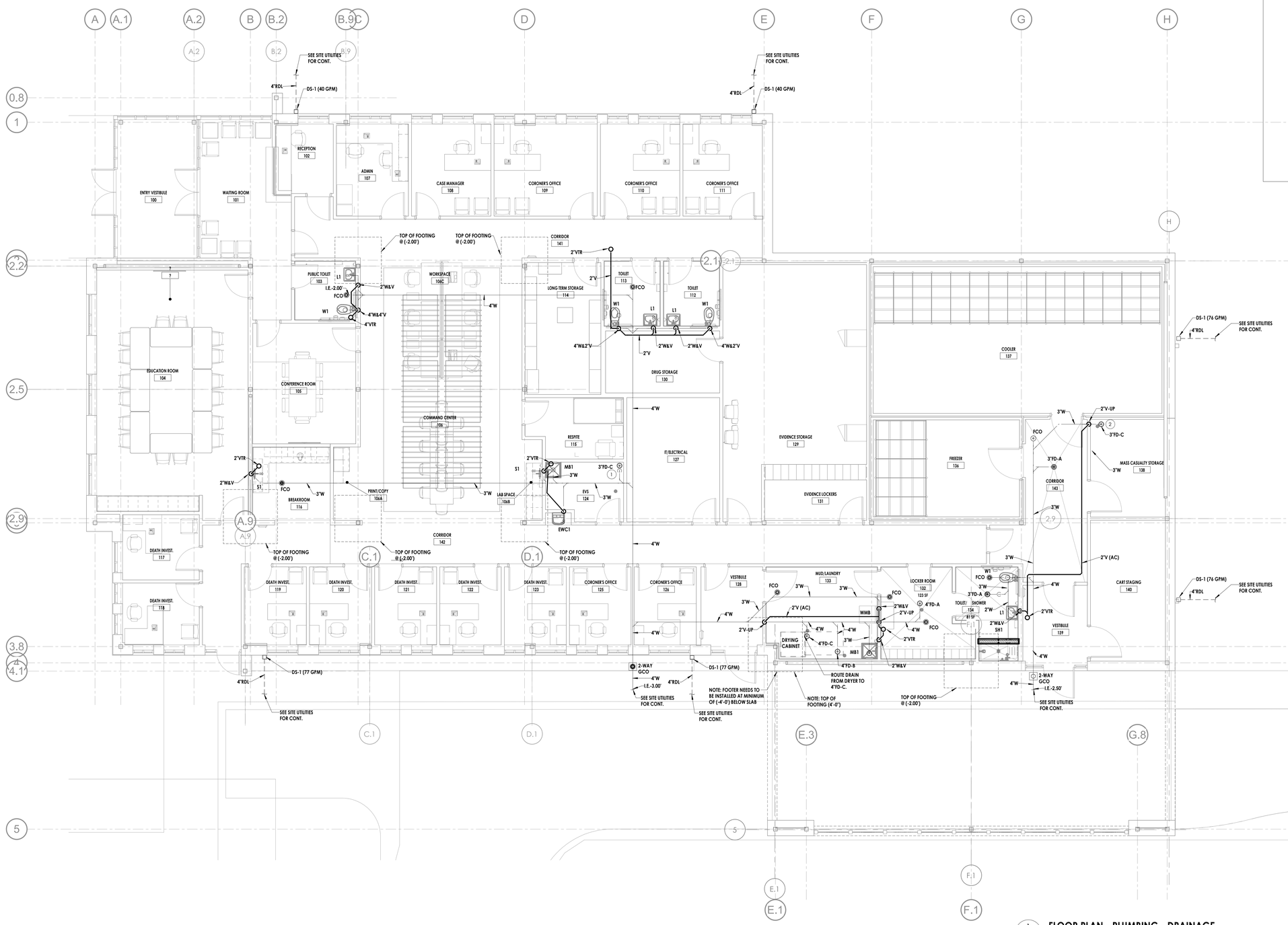
B. REFER TO P000 FOR PLUMBING LEGEND, SCHEDULES, AND GENERAL NOTES.

C. REFER TO P801 FOR PLUMBING RELATED DETAILS.

D. COORDINATE ALL WORK WITH ALL OTHER TRADES.

KEY NOTES

1. FLOOR DRAIN TO BE USED FOR CONDENSATE FROM IT & HVAC EQUIPMENT. CONDENSATE DRAIN TO THE FLOOR DRAIN BY IT & HVAC EQUIPMENT VENDOR. PROVIDE INSTALLATION WITH AN AIR GAP AS REQUIRED BY S.C. PLUMBING CODE.
2. FLOOR DRAIN TO BE USED FOR CONDENSATE FROM COOLER & FREEZER EQUIPMENT. CONDENSATE DRAIN TO THE FLOOR DRAIN BY COOLER & FREEZER EQUIPMENT VENDOR. PROVIDE INSTALLATION WITH AN AIR GAP AS REQUIRED BY S.C. PLUMBING CODE.



1 P201 **FLOOR PLAN - PLUMBING - DRAINAGE**
3/16" = 1'-0"

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PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — CPL — No. 2227 — REGISTERED ARCHITECTURAL FIRM

SOUTH CAROLINA — No. 16220 — 8-27-24 — REGISTERED — GREGORY A. KYZER — ENGINEER

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
RLA	GAK

Drawing Title
FLOOR PLAN - PLUMBING - DRAINAGE

Drawing Number
-
P201

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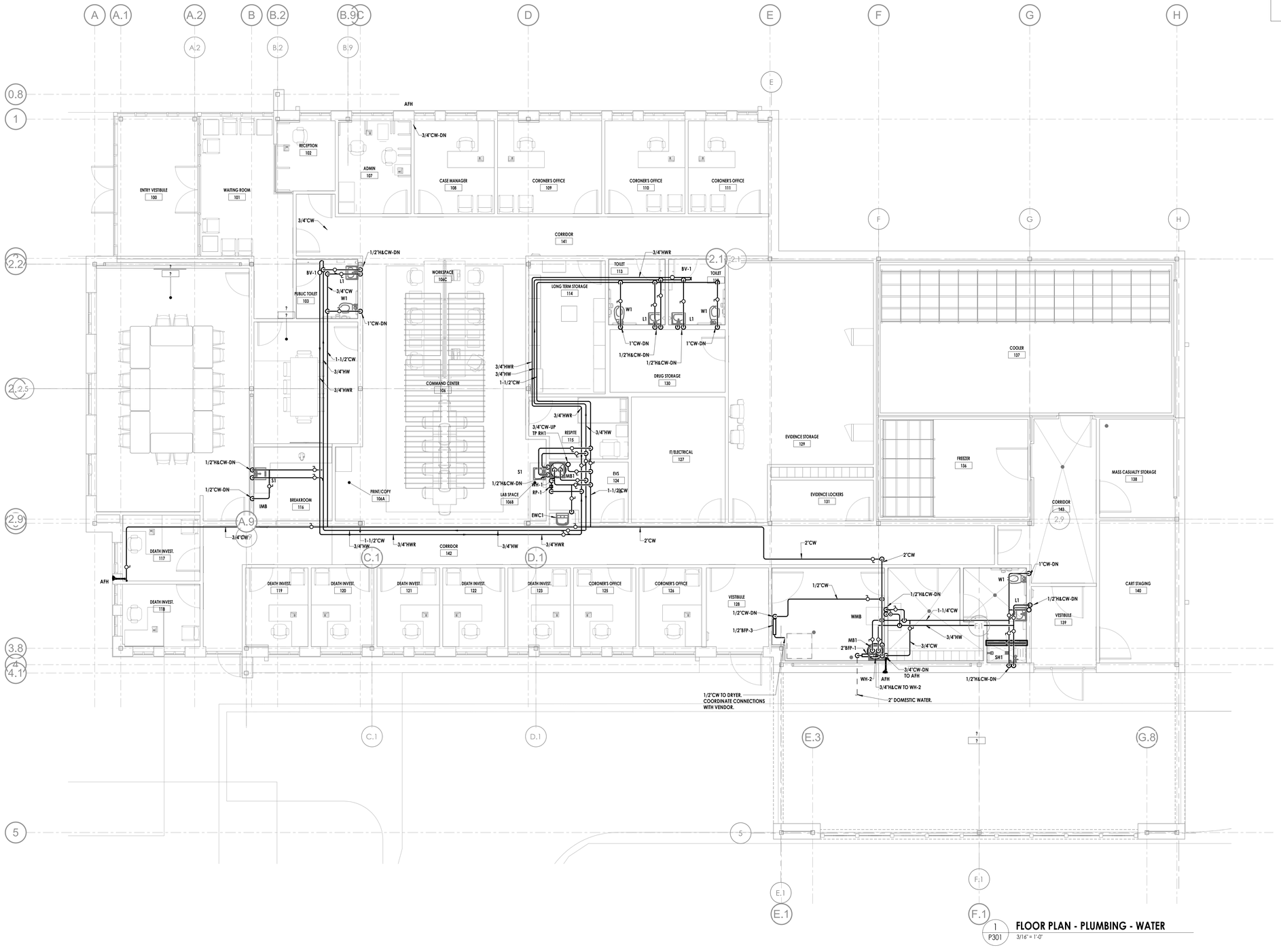
GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH THE 2021 SOUTH CAROLINA PLUMBING CODE.

B. REFER TO P000 FOR PLUMBING LEGEND, SCHEDULES, AND GENERAL NOTES.

C. REFER TO P801 FOR PLUMBING RELATED DETAILS.

D. COORDINATE ALL WORK WITH ALL OTHER TRADES.



1 P301 **FLOOR PLAN - PLUMBING - WATER**
3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
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Client Name
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Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — CPL — No. 2227 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 16220 — 08-27-24 — GREGORY A. KYZER

SHEET INFORMATION

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08/27/2024

Scale
As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By
RLA

Checked By
GAK

Drawing Title
FLOOR PLAN - PLUMBING - WATER

Drawing Number
-
P301

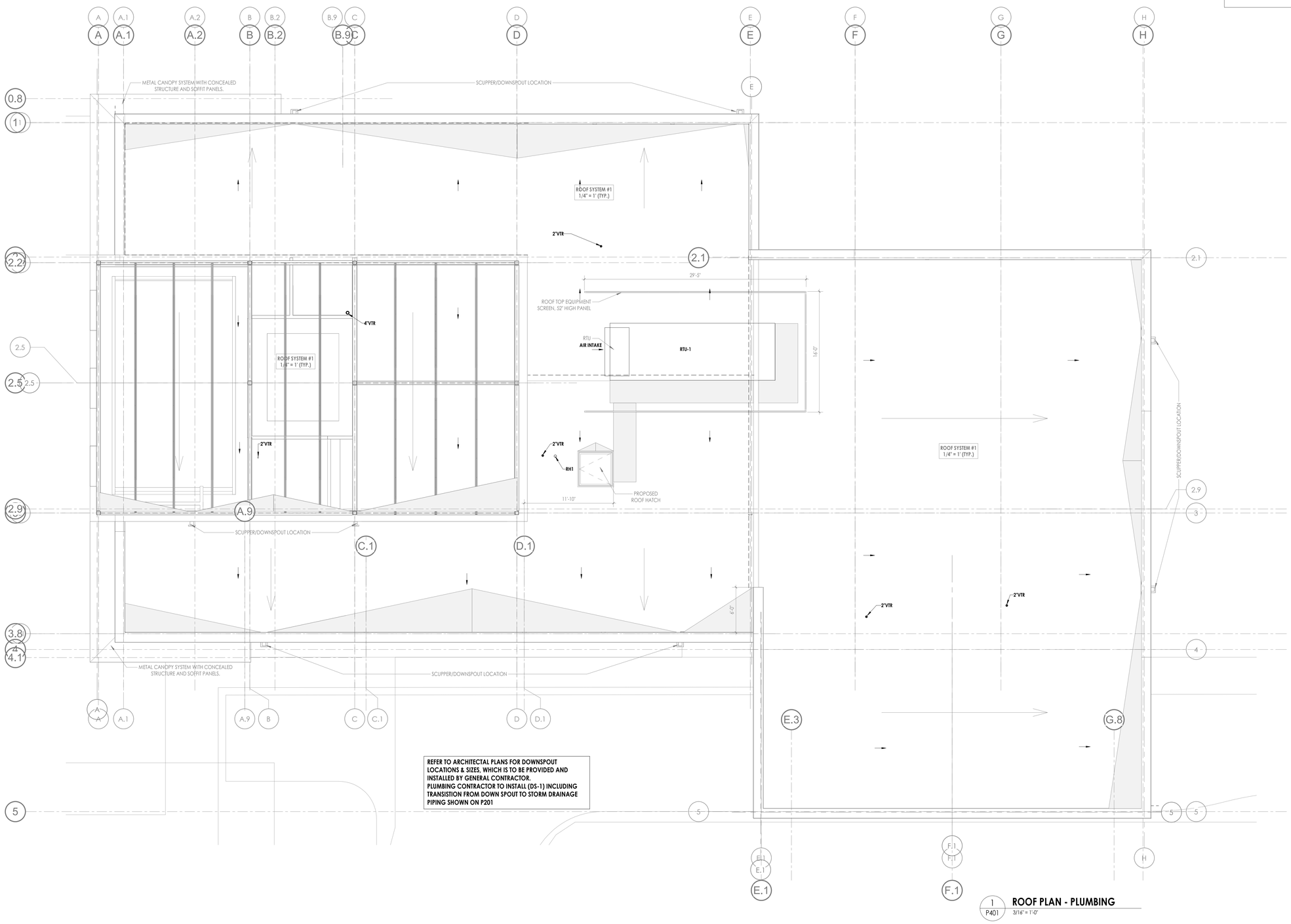
GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH THE 2021 SOUTH CAROLINA PLUMBING CODE.

B. REFER TO P000 FOR PLUMBING LEGEND, SCHEDULES, AND GENERAL NOTES.

C. REFER TO P801 FOR PLUMBING RELATED DETAILS.

D. COORDINATE ALL WORK WITH ALL OTHER TRADES.



1 P401 **ROOF PLAN - PLUMBING**
3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
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Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — CPL — No. 2227 — REGISTERED PROFESSIONAL ENGINEER

SOUTH CAROLINA — No. 16220 — 08-27-24 — REGISTERED PROFESSIONAL ENGINEER — GREGORY A. KYZER

SHEET INFORMATION

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Drawing Title: ROOF PLAN - PLUMBING
Drawing Number: P401

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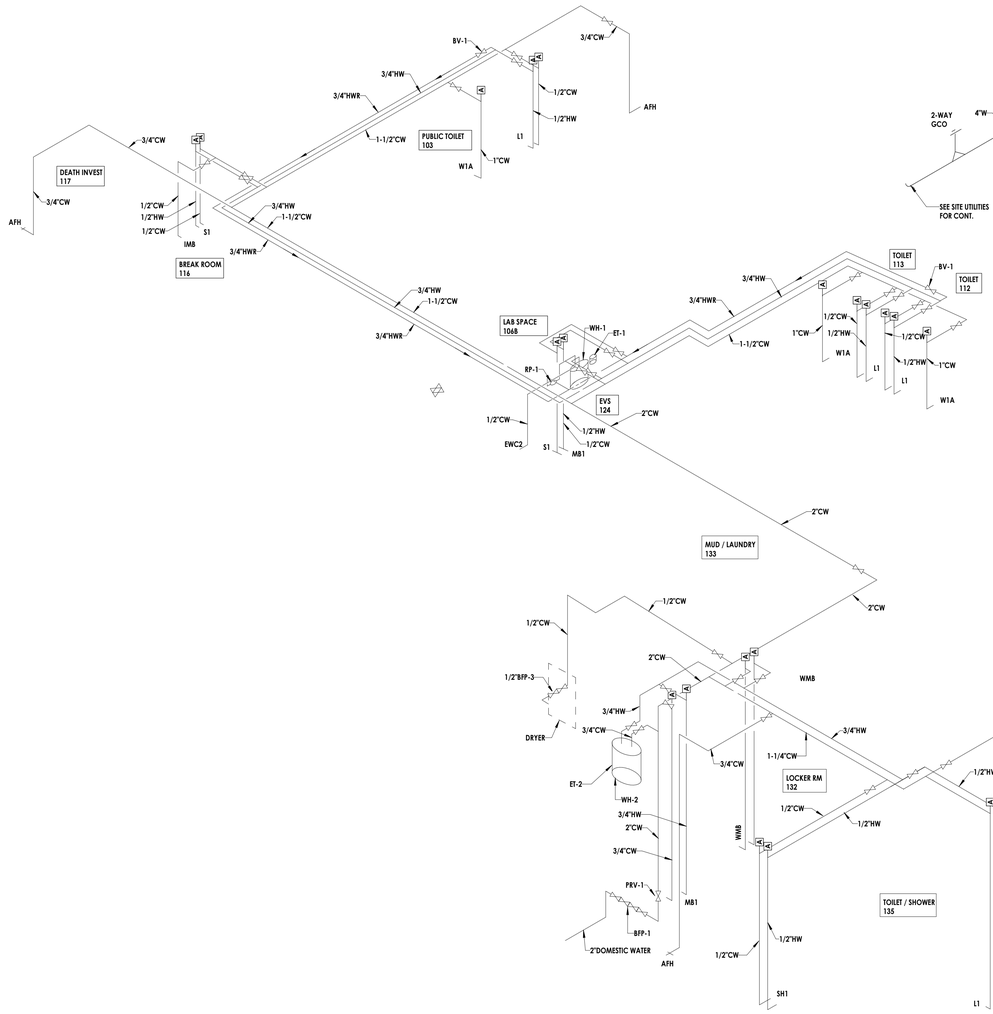
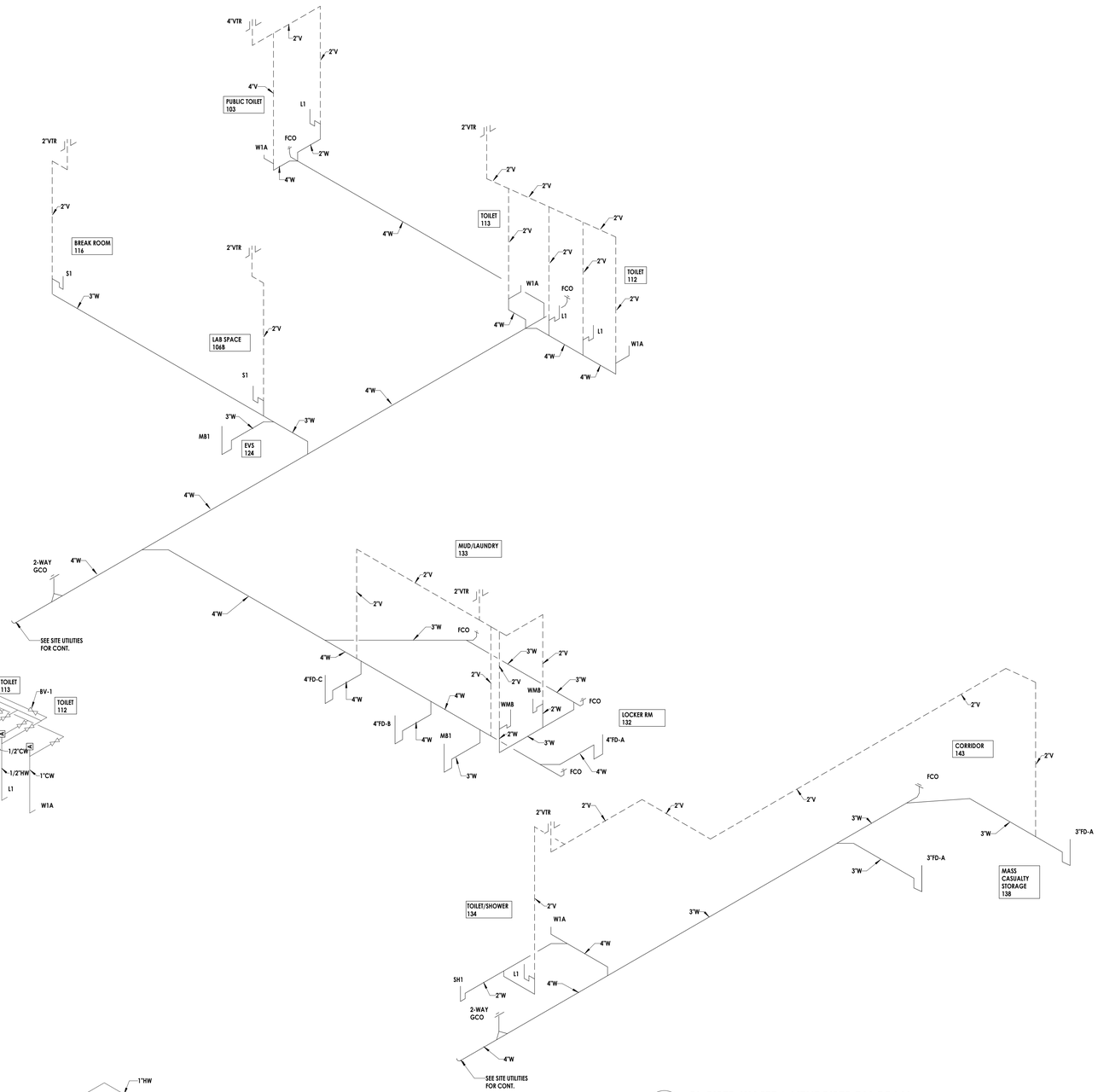


1 P701 **WATER RISER DIAGRAM**
NO SCALE



2 P701 **PL-RISER-WASTE & VENT RISER DIAGRAM**
NO SCALE

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Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
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Client Name
YORK COUNTY

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CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — CPL — No. 2227 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 16220 — REGISTERED — GREGORY A. KYER — CIVIL

SHEET INFORMATION

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08/27/2024

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NO SCALE

Project Status
100% CONSTRUCTION DOCUMENTS

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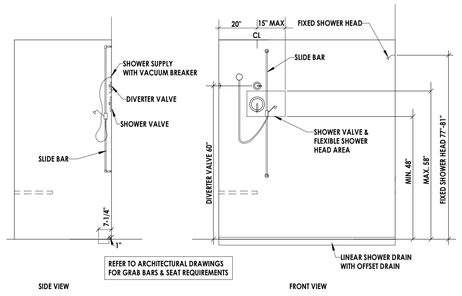
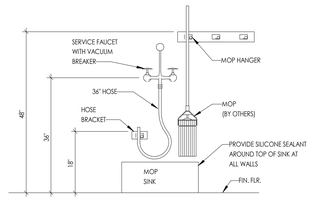
GAK

Drawing Title
PLUMBING RISER DIAGRAMS

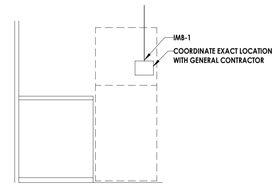
Drawing Number
P701



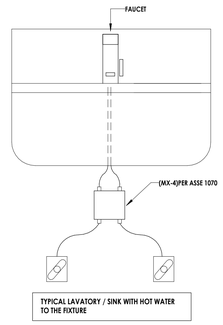
1 P801 **P-ADA ROLL-IN SHOWER VALVE LOCATIONS**
NO SCALE



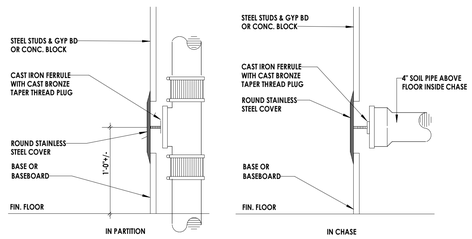
2 P801 **P-MOP BASIN DETAIL**
NOT TO SCALE



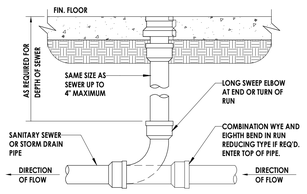
3 P801 **REFRIGERATOR ICE MAKER BOX**
NOT TO SCALE



4 P801 **LAVATORY / SINK FAUCET WITH MIXING VALVE**
NOT TO SCALE

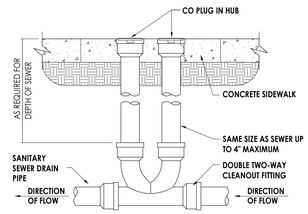


5 P801 **(WCO) WALL CLEANOUT DETAIL**
NOT TO SCALE



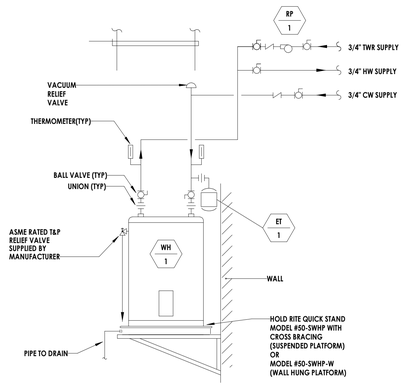
LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 75' INTERVALS ON STRAIGHT RUNS, AND/OR WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCH. SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER REQUIREMENTS.

6 P801 **(FCO) FLOOR CLEANOUT DETAIL**
NOT TO SCALE

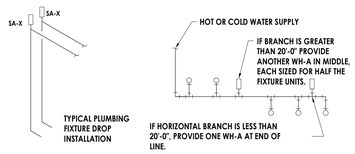


LOCATE GRADE CLEANOUT OUTSIDE OF BUILDING AS SHOWN ON PLANS

7 P801 **(GCO) 2-WAY GRADE CLEANOUT**
NOT TO SCALE



8 P801 **(WH-1) WATER HEATER WITH RECIRCULATION**
NO SCALE



INSTALL PER PDI STANDARDS & MANUFACTURER'S INSTRUCTIONS. PROVIDE A WH-A AT ALL QUICK CLOSING VALVES.

SINGLE/DOUBLE FIXTURE

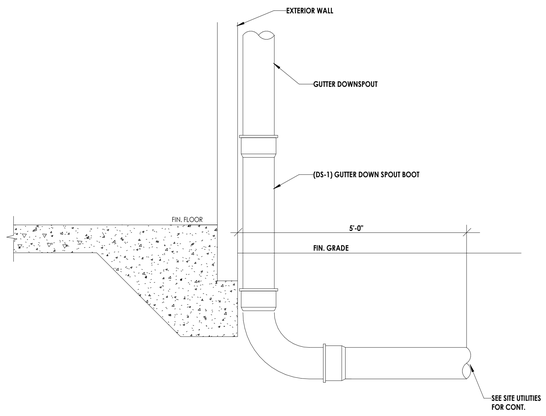
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

MULTIPLE FIXTURES

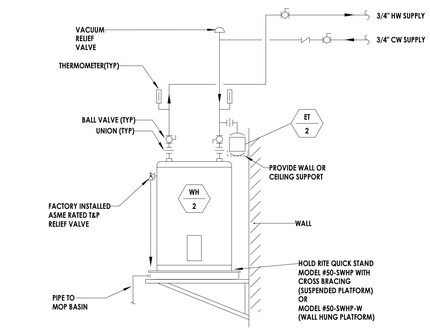
FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
WATER CLOSET (F.V.)	10	--
WATER CLOSET (TANK)	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	2

FOR BATTERIES OF FIXTURES, PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON & O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 & ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. PROVIDE ACCESSIBILITY TO "WH-A" WHERE REQUIRED BY LOCAL CODE.

9 P801 **P-WATER HAMMER ARESTOR DETAIL**
NOT TO SCALE



10 P801 **P-GUTTER TO ROOF DRAIN LEARER CONNECTION**
NOT TO SCALE



11 P801 **(WH-2) WATER HEATER WITH NO RECIRCULATION**
NO SCALE

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA CPL No. 2227 REGISTERED ARCHITECT OF ENGINEER

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 16220 08-27-24 GREGORY A. KYZER CPL

SHEET INFORMATION

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08/27/2024	As indicated

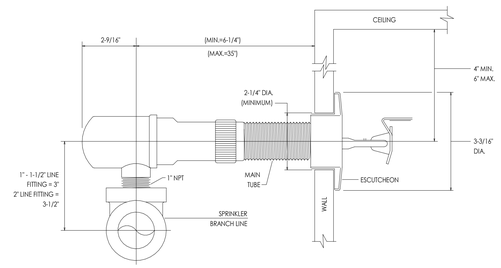
Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
RLA	GAK

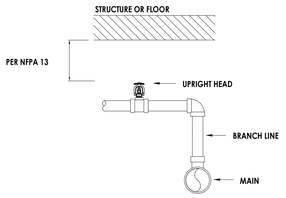
Drawing Title
PLUMBING DETAILS

Drawing Number
P801

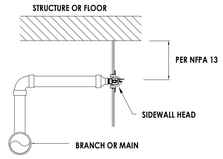
1/14/2025 3:32:23 PM <project location>\3 Design & Project Files on BIM 360



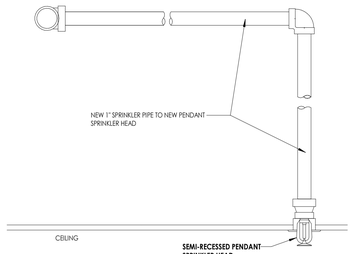
1 FP000 **DRY SIDEWALL HEAD DETAIL**
NO SCALE



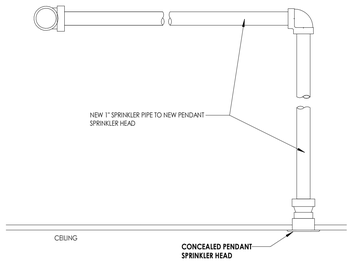
2 FP000 **TYPICAL UPRIGHT SPRINKLER HEAD DETAIL**
NOT TO SCALE



3 FP000 **TYPICAL SIDEWALL SPRINKLER HEAD DETAIL**
NOT TO SCALE



4 FP000 **SEMI-RECESSED PENDANT SPRINKLER HEAD**
NO SCALE

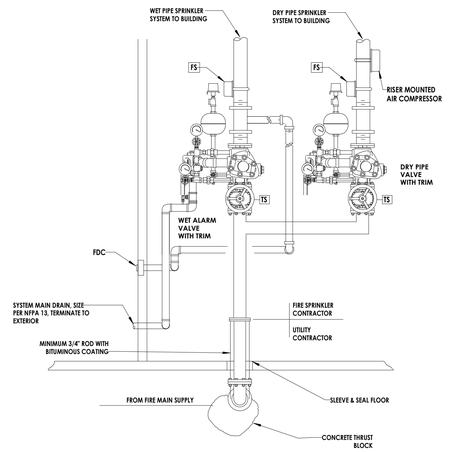


5 FP000 **CONCEALED SPRINKLER HEAD**
NO SCALE

FIRE PROTECTION EQUIPMENT SCHEDULE

SYMBOLS	DESCRIPTION	LOCATION	MANUFACTURER & MODEL NUMBER	NOTES
FDC	(FDC) FIRE DEPARTMENT CONNECTION	EXTERIOR OF BUILDING @ MUD/LAUNDRY ROOM 133	CROKER MODEL 6362 4" FEMALE NPT X 5" STORZ FDC - UL LISTED STRAIGHT FORGED T6160 ALUMINUM ADAPTOR WITH STORZ INLET, FEMALE NPT RIGID ROCKER LUG OUTLET, NITRILE GASKET, STAINLESS STEEL LOCKING LEVER, "SILVADILLO" SILVER POWDER COAT FINISH, AND CAP AND WEEP HOLE. RED ALUMINUM (FIRE DEPARTMENT CONNECTION) IDENTIFICATION PLATE.	SEE NOTE 1
WPR	WET PIPE RISER SYSTEM	MUD/LAUNDRY 133	VICTAULIC FIRELOCK® SERIES 751, GROOVED END ALARM CHECK VALVE SHALL BE DUCTILE IRON WITH ALUMINUM BRONZE CLAPPER, COMPLETE WITH SERIES 752 RETARD CHAMBER, DRAINS, GAGES, BY-PASSES AND ALL ACCESSORIES REQUIRED TO PREVENT ACCIDENTAL ALARMS. SPECIFY A SERIES 760 EXTERIOR WATER MOTOR ALARM. VALVE INTERNAL COMPONENTS SHALL BE REPLACEABLE WITHOUT REMOVING THE VALVE FROM THE INSTALLED POSITION.	SEE NOTE 1
DPR	DRY PIPE RISER SYSTEM	MUD/LAUNDRY 133	VICTAULIC FIRELOCK® NXT DRY VALVE SERIES 768 WITH SERIES 776 LOW PRESSURE ACTUATOR @ 13 PSI MINIMUM AIR PRESSURE, WITH ALARM PRESSURE SWITCH, WITH AIR MAINTENANCE TRIM ASSEMBLY & RISER MOUNTED AIR COMPRESSOR. PROVIDE 0.5 HP RISER MOUNTED AIR COMPRESSOR WITH 120 VOLT / 1 PHASE	SEE NOTE 1
BFP-2	BACKFLOW DEVICE	MUD/LAUNDRY 133	ZURN WILKINS MODEL 475DAV-BF FOR VERTICAL FLOW UP CONFIGURATION REDUCED PRESSURE DETECTOR ASSEMBLY (ASSE LISTED 1013) WITH (BF) FLANGED END BUTTERFLY VALVES WITH INTEGRAL SUPERVISORY SWITCHES, THE MAIN BODY AND ACCESS COVERS SHALL BE 304 STAINLESS STEEL, THE SEAT AND CHECK VALVE SHALL NORYL, THE STEM SHALL BE STAINLESS STEEL (ASTM A 276) AND THE SEAT DISC ELASTOMER SHALL BE EPDM. THE CHECKS AND THE RELIEF VALVE SHALL BE ACCESSIBLE FOR MAINTENANCE WITHOUT REMOVING THE RELIEF VALVE OR THE ENTIRE DEVICE FROM THE LINE. IF INSTALLED INDOORS, THE INSTALLATION SHALL BE SUPPLIED WITH AN AIR GAP ADAPTOR. (BF-AG) AIR GAP	SEE NOTE 1
FS	FLOW SWITCH	MUD/LAUNDRY 133	VANE-TYPE FLOW SWITCH WITH FLEXIBLE VANE, SPDT CONTACTS, CAST ALUMINUM HOUSING WITH RED ENAMEL FINISH, AND A STEEL U-BOLT. THE SWITCH SHALL HAVE AN INSTANTLY RECYCLING PNEUMATIC RETARD MECHANISM FIELD ADJUSTABLE FROM 0-60 SECONDS. MINIMUM WATER WORKING PRESSURE SHALL BE 175 PSIG. INCOMPLIANCE WITH NFPA 13, UL, & FACTORY MUTUAL.	SEE NOTE 1
TS	TAMPER SWITCH	MUD/LAUNDRY 133	VALVE TAMPER SWITCH, CHECK VALVE ASSEMBLY. A SIGNAL SHALL BE INITIATED BEFORE VALVE STEM MOVES MORE THAT 1/5 OF ITS TOTAL TRAVEL. IN COMPLIANCE WITH NFPA 13, UL, & FACTORY MUTUAL APPROVALS	SEE NOTE 1
TEST	TEST AND DRAIN VALVE (CONTRACTOR TO SHOW LOCATION ON THE SPRINKLER PLANS.	THROUGHOUT BLDG.	GLOBE STYLE BRONZE BODY AND BONNET, BRONZE AND COPPER ALLOY INTERNALS WITH STAINLESS STEEL SPRING, DUAL POLYCARBONATE SIGHT GLASSES, ¼" ORIFICE FOR TEST PURPOSES, AND MALLEABLE IRON HAND-WHEEL. UL LISTED AND FM APPROVED FOR SERVICES UP TO 300 PSI. VICTAULIC SERIES 720 TESTMASTER™ II.	SEE NOTE 1

NOTES:
1.) ALL PRODUCTS SHALL BE INDICATED ON THE SPRINKLER PLANS & PRODUCT DATA SUBMITTALS FOR APPROVAL BY THE OWNER & FACTORY MUTUAL.



6 FP000 **FP - FIRE MAIN BUILDING ENTRANCE WITH Z TYPE BFD**
NOT TO SCALE

FIRE PROTECTION LEGEND

●	PENDENT SPRINKLER HEAD - CONCEALED
◉	PENDANT SPRINKLER HEAD - SEMI-RECESSED
▷|	SIDEWALL SPRINKLER HEAD
○	UPRIGHT SPRINKLER HEAD
⊗	UPRIGHT SPRINKLER HEAD WITH GUARD
FP	FIRE PROTECTION PIPING
SP	SPRINKLER SYSTEM PIPING
⊐	PIPE CAP
⋈	GATE OR BUTTERFLY VALVE
FS	FLOW SWITCH
TS	TAMPER SWITCH
⃠	PRESSURE GAUGE
FHV	FIRE HOSE VALVE
▬●▬	1 HOUR RATED FIRE WALL

GENERAL NOTES

A. SEE SPRINKLER DESIGN CRITERIA ON THIS SHEET FOR ADDITIONAL INFORMATION.

B. ALL PLANS, HYDRAULIC CALCULATIONS, & MATERIALS SHALL BE APPROVED BY **LOCAL AUTHORITY HAVING JURISDICTION** PRIOR TO INSTALLATION.

C. REFER TO G201& G202 FOR BUILDING CODE ANALYSIS & APPLICABLE CODES.

D. MAINS AND SPRINKLER HEADS ARE SHOWN FOR SUGGESTED LOCATION AND SIZING ONLY. CONTRACTOR TO LOCATE MAINS, ALL BRANCH PIPING AND SPRINKLER HEADS, AND SIZE PER NFPA 13 USING HYDRAULIC CALCULATIONS. COORDINATE PIPING AND SPRINKLER HEAD LOCATIONS WITH OTHER TRADES.

E. IN ALL AREAS OF GYPSUM BOARD CEILING/SOFFIT PROVIDE SEMI-RECESSED TYPE SPRINKLER HEADS IN CHROME. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CLARIFICATION OF GYPSUM BOARD AREAS.

F. FIRE PROTECTION PIPING FOR WET & DRY TYPE SPRINKLER SYSTEMS SHALL BE SCH. 10 BLACK STEEL WITH GROOVED FITTINGS FOR PIPE SIZES 2-1/2" OR LARGER, AND SCH 40 BLACK STEEL WITH THREADED FITTINGS FOR PIPE SIZES 2" AND SMALLER.

G. ALL RELATED FIRE PROTECTION WORK SHALL COMPLY WITH ALL STATE, LOCAL CODES AND NFPA 13, INCLUDING AUTHORITY HAVING JURISDICTION.

H. CONTRACTOR TO REFERENCE ARCHITECTURAL CEILING PLANS FOR TYPE OF CEILING AND CEILING HEIGHTS. CONTRACTOR TO COORDINATE PIPE ROUTING AND SPRINKLER HEAD LOCATIONS WITH OTHER TRADES.

I. ALL PIPING AND CONDUIT PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPING.

J. SEE ARCHITECTURAL PLANS FOR INFORMATION ON RATED WALLS. COORDINATE INSTALLATION OF RATED WALL DETAIL 1/FP000 WITH GENERAL CONTRACTOR.

SPRINKLER SYSTEM DESIGN CRITERIA

WET PIPE TYPE SYSTEM

1.) ALL SPRINKLER SYSTEM MATERIALS & INSTALLATION SHALL BE PER NFPA 13, FACTORY MUTUAL, AND LOCAL AUTHORITY HAVING JURISDICTION.

2.) PROVIDE HYDRAULIC CALCULATIONS WITH A MINIMUM OF 10 PSI OR 10% SAFETY MARGIN WHICHEVER IS GREATER.

3.) LIGHT HAZARD OCCUPANCIES - PROVIDE 0.10 GPM/SQ.FT. OVER THE MOST REMOTE 1500 SQ.FT., WITH 100 GPM HOSE ALLOWANCE. USING A MAXIMUM OF 225 SQ. FT. SPACING PER HEAD. THESE AREAS INCLUDE THOSE WHERE THE COMBUSTIBILITY IS LOW AND THE QUANTITY AND/OR COMBUSTIBILITY OF CONTENTS IS LOW WITH LOW RATES OF HEAT RELEASE IN ACCORDANCE WITH NFPA 13. OCCUPANCIES THAT TYPICALLY MEET THE INTENT OF THESE DESIGN CRITERIA INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

A.) CONFERENCE ROOMS & OFFICES.
B.) CORRIDORS.
C.) WAITING AREAS.

4.) SPRINKLER HEADS.
- PROVIDE CHROME SEMI-RECESSED BULB TYPE SPRINKLER HEADS IN ACT & GYPSUM CEILINGS.
- PROVIDE BRASS UP BULB TYPE SPRINKLER HEADS IN EXPOSED CEILING AREAS.

WET PIPE TYPE SYSTEM

5.) ORDINARY HAZARD (GROUP I) OCCUPANCIES - PROVIDE A 0.15 GPM/SQ.FT. OVER MOST REMOTE 1500 SQ.FT., WITH 250 GPM HOSE ALLOWANCE. USING A MAXIMUM OF 130 SQ. FT. SPACING PER HEAD. THESE AREAS INCLUDE THOSE WHERE THE COMBUSTIBILITY IS LOW AND THE QUANTITY AND/OR COMBUSTIBILITY OF CONTENTS IS MODERATE WITH THE MODERATE RATES OF HEAT RELEASE IN ACCORDANCE WITH NFPA 13. OCCUPANCIES THAT TYPICALLY MEET THE INTENT OF THESE DESIGN CRITERIA INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

A.) MECHANICAL EQUIPMENT AREAS.
B.) ELECTRICAL ROOMS.
C.) LAUNDRY OR SOILED UTILITY AREAS.
D.) FILE OR STORAGE ROOMS

6.) SPRINKLER HEADS.
- PROVIDE CHROME SEMI-RECESSED BULB TYPE SPRINKLER HEADS IN ACT & GYPSUM CEILINGS.
- PROVIDE BRASS UP BULB TYPE SPRINKLER HEADS IN EXPOSED CEILING AREAS.

DRY PIPE TYPE SYSTEM

7.) ORDINARY HAZARD (GROUP I) OCCUPANCIES - PROVIDE A 0.15 GPM/SQ.FT. OVER MOST REMOTE 1500 SQ.FT., WITH 250 GPM HOSE ALLOWANCE. USING A MAXIMUM OF 130 SQ. FT. SPACING PER HEAD. THESE AREAS INCLUDE THOSE WHERE THE COMBUSTIBILITY IS LOW AND THE QUANTITY AND/OR COMBUSTIBILITY OF CONTENTS IS MODERATE WITH THE MODERATE RATES OF HEAT RELEASE IN ACCORDANCE WITH NFPA 13. OCCUPANCIES THAT TYPICALLY MEET THE INTENT OF THESE DESIGN CRITERIA INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

A.) FREEZER ROOM
B.) COLD ROOM
C.) CANOPY (DRIVE THRU)

8.) SPRINKLER HEADS.
- PROVIDE CHROME SEMI-RECESSED BULB TYPE SPRINKLER HEADS IN ACT & GYPSUM CEILINGS.

9.) REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR COORDINATION OF SPRINKLER LOCATIONS WITH CEILING HEIGHTS AND TYPES. LOCATE SPRINKLER HEADS THROUGHOUT ALL AREAS AS REQUIRED BY NFPA 13 AND LOCAL AUTHORITY HAVING JURISDICTION. COORDINATE SPRINKLER HEAD LOCATIONS WITH ALL OTHER TRADES, BUT NOT LIMITED TO THE FOLLOWING; LIGHTS, SPECIAL SYSTEMS, SMOKE DETECTORS, HVAC DIFFUSERS, ETC. OBTAIN ARCHITECTS AND/OR OWNER'S APPROVAL OF ALL SPRINKLER HEAD LOCATIONS.

10.) ALL SPRINKLER PIPE ROUTING AND ELEVATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO THE FOLLOWING; CEILINGS, STRUCTURAL STEEL AND SUPPORTS, HVAC DUCT WORK, CABLE TRAYS, CONDUIT, SPECIAL SYSTEMS, CONTROLS, ETC.

11.) ALL SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE IN ACT. SPRINKLER HEADS TO BE LOCATED IN A SYMMETRICAL PATTERN IN GYPSUM BOARD CEILINGS TO LINE UP WITH LIGHT FIXTURES AND HVAC DIFFUSERS.

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PROJECT INFORMATION

Project Number
R23.0130?.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA · CPL · No. 2227 · CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA · PROFESSIONAL ENGINEER · No. 16220 · 08-27-2024 · GREGORY A. KYZER · CIVIL

SHEET INFORMATION

Issued	Scale
08/27/2024	As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
RLA	GAK

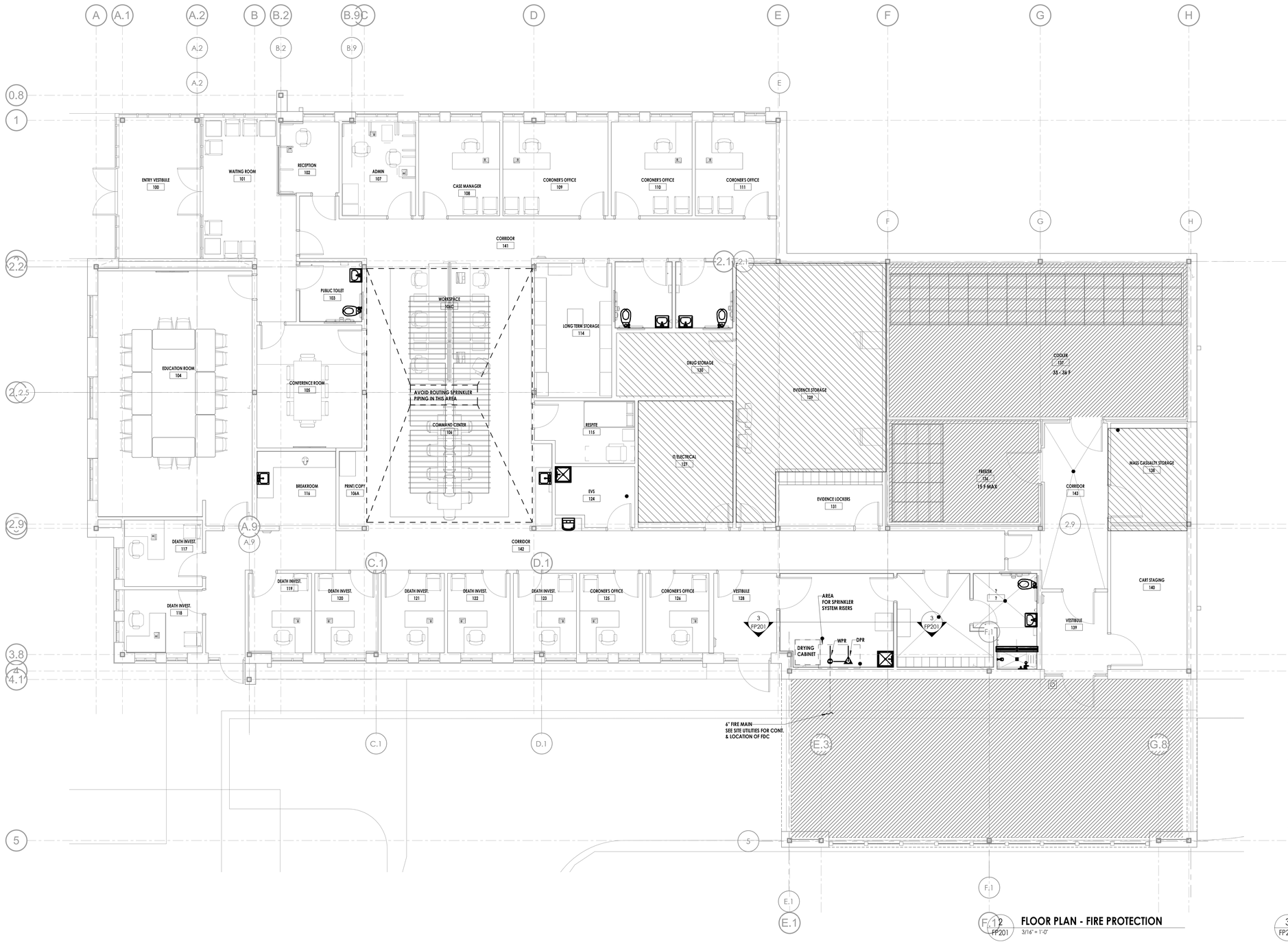
Drawing Title
FIRE PROTECTION LEGEND, NOTES, & DETAILS

Drawing Number
-
FP000

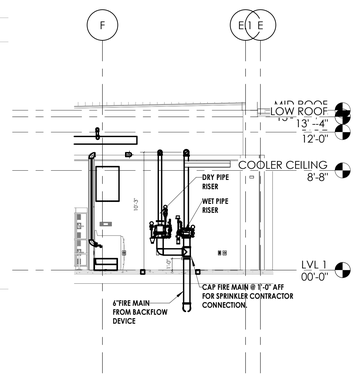
1/14/2025 3:26:31 PM <project location>\2 Design & Project Files on BIM 360

GENERAL NOTES

1.) REFER TO FP000 FOR SPRINKLER DESIGN CRITERIA AND GENERAL NOTES.



3 FP201 FLOOR PLAN - FIRE PROTECTION
3/16" = 1'-0"



3 FP201 FIRE PROTECTION WATER ENTRANCE
3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — CPL — No. 2227 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 16220 — 08-27-24 — GREGORY A. KYZER

SHEET INFORMATION

Issued	Scale
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Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
RLA	GAK

Drawing Title
FLOOR PLAN - FIRE PROTECTION

Drawing Number
FP201

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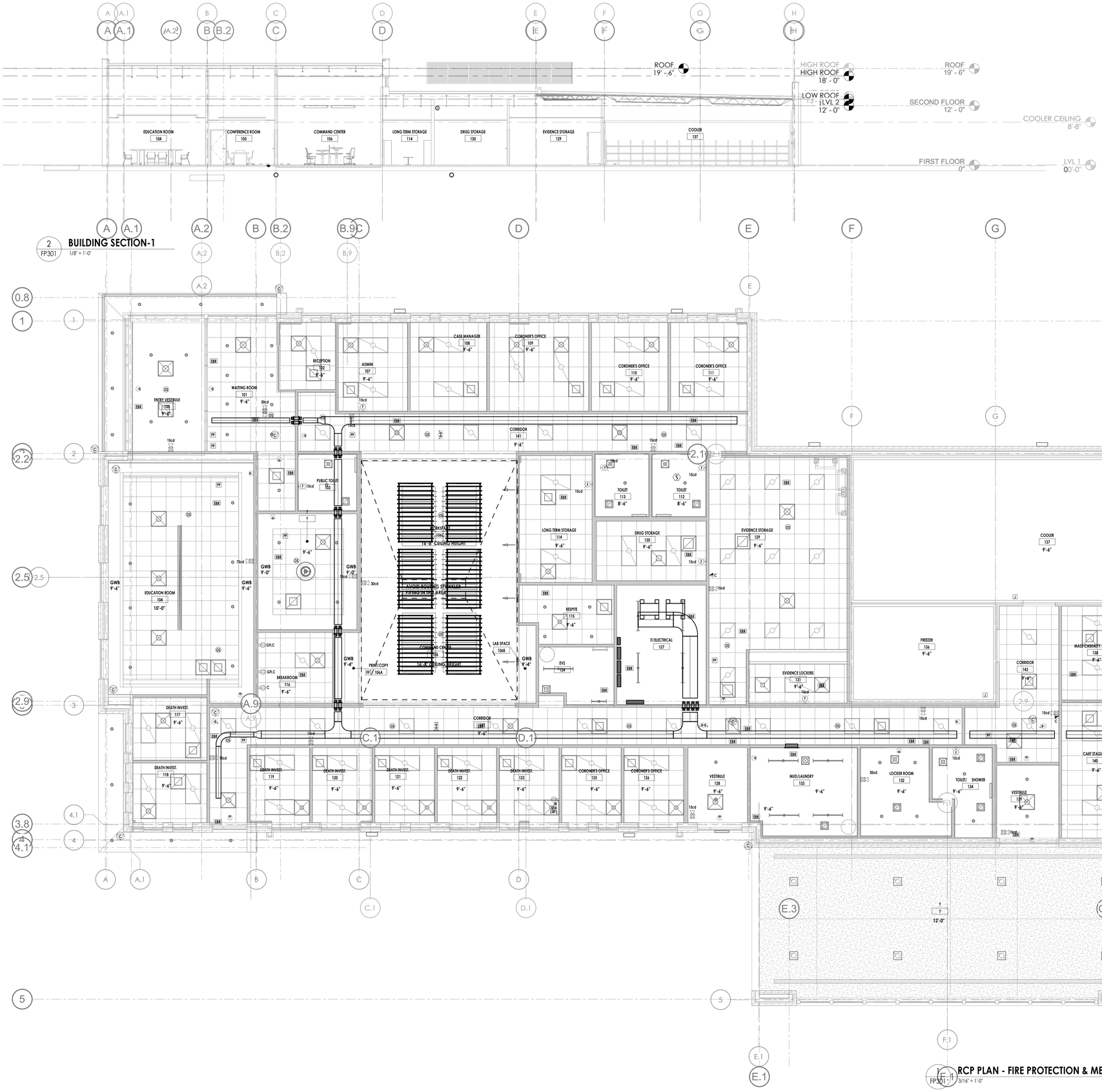

2 FP301 **BUILDING SECTION-1**
1/8" = 1'-0"

F.1 **RCP PLAN - FIRE PROTECTION & MEP COORDINATION**
FP301 3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA — CPL — No. 2227 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 16220 — 08-27-24 — GREGORY A. KYZER

SHEET INFORMATION

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Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By	Checked By
RLA	GAK

Drawing Title
RCP PLAN - FIRE PROTECTION & MEP COORDINATION

Drawing Number
FP301

1/14/2025 3:24:33 PM <project location>\3 Design & Project Files on BIM 360

WIRING LEGEND:

- SIMPLEX RECEPTACLE
- DUPLEX/QUADRUPLEX RECEPTACLE
- RECESSED FLOOR MOUNTED DUPLEX/QUADRUPLEX RECEPTACLE
- CEILING MOUNTED DUPLEX/QUADRUPLEX RECEPTACLE (GRAY)
- SPECIAL RECEPTACLE - NEMA IDENTIFICATION LISTED ON PLANS
  - *C COUNTER HEIGHT OR 44" AFF
  - GFI GROUND FAULT CIRCUIT INTERRUPTER
  - P PROJECTOR
  - TR TAMPER RESISTANT
  - USB (TYPE A/TYPE C) UNIVERSAL SERIAL BUS OUTLETS WITH DUPLEX RECEPTACLE
  - WP WEATHER PROOF "WHILE IN USE"
  - WR WEATHER RESISTANT
- FB FLOOR BOX:
  - *AV AV LOCATION; INCLUDE SINGLE CAT6 TRACJACK
- WB RECESSED MONITOR WALL BOX
- GFI PROVIDE BLANK-FACE GFI DEVICE ABOVE COUNTER TO FEED-THROUGH AND PROTECT UNDERCOUNTER OR OBSTRUCTED RECEPTACLE. LABEL GFI DEVICE WITH EQUIPMENT NAME (E.G., "UC REFRIG"). LABEL RECEPTACLE AS GFI PROTECTED BY REMOTE DEVICE ABOVE COUNTER. GFI IS REQUIRED TO BE READILY ACCESSIBLE PER NEC.
- HD HAND DRYER POWER CONNECTION
- HARDWIRE CONNECTION
- J JUNCTION BOX
- START/STOP PUSHBUTTON
- DO MOTORIZED DOOR OPERATOR
- SM HEAVY-DUTY MOTOR-RATED SWITCH
- XXX DISCONNECT SWITCH, AMP RATING INDICATED
  - *60A FUSE SIZE
  - 3P POLES
  - 40AF FUSE SIZE (IF FUSED)
  - NF NON-FUSED
  - SN SOLID NEUTRAL
  - 0 NEMA STARTER SIZE
- MANUAL MOTOR STARTER
- 0 COMBINATION MAGNETIC MOTOR STARTER, NEMA SIZE INDICATED
- VFD COMBINATION VARIABLE FREQUENCY DRIVE AND DISCONNECT
- EF-1 MOTOR WITH DESIGNATOR
- E EMERGENCY STOP PUSHBUTTON
- LPA-6 BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER
- BRANCH CIRCUIT WIRING, PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING AS REQUIRED
- LIGHTING PLANS: LOW-VOLTAGE WIRING
  OTHER PLANS: CONDUIT BELOW SLAB OR GRADE

COMMUNICATIONS LEGEND:

- COMBINATION TELEPHONE/DATA OUTLET
  - * AV AV LOCATION; INCLUDE SINGLE CAT6 TRACJACK
  - C COUNTER
  - HDMI HDMI OUTLET
  - IT MOUNT ABOVE DATA IT RACK, COORDINATE HEIGHT PRIOR TO ROUGH-IN
  - (X) INDICATES NUMBER OF CABLES IF ABOVE STANDARD 2 CABLE DROP
- CEILING MOUNTED TELEPHONE/DATA DEVICE
  - + P FOR PROJECTOR
- TV CATV OUTLET - PROVIDE TYPE F CONNECTOR WITH RG6/4 CABLING TO CATV PANEL/RACK
- WAP WIRELESS ACCESS POINT
  - *EXT EXTERIOR ACCESS POINT

SECURITY LEGEND:

REFER TO DOOR ROUGH-IN DETAIL FOR BOX AND CABLE REQUIREMENTS.

- SECURITY CAMERA
- CR CARD READER
- ES ELECTRIC STRIKE OR HINGE - COORDINATE WITH DOOR HARDWARE
- LR LATCH RETRACTION
- DC DOOR CONTACT SWITCH
- ML MAGNETIC LOCK
- REX REQUEST TO EXIT
- PANIC BUTTON
- AUTOMATIC DOOR PUSH PLATE, HANDICAP ACCESSIBLE

FIRE/LIFE SAFETY LEGEND:

- F FIRE ALARM MANUAL PULL STATION, ADDRESSABLE
- FIRE ALARM HORN AND STROBE COMBINATION - ADJACENT NUMBER DENOTES CANDELA RATING
- CLG FIRE ALARM HORN AND STROBE COMBINATION CEILING MOUNTED - ADJACENT NUMBER DENOTES CANDELA RATING
- FIRE ALARM STROBE - ADJACENT NUMBER DENOTES CANDELA RATING
- FIRE ALARM STROBE CEILING MOUNTED - ADJACENT NUMBER DENOTES CANDELA RATING
- FIRE ALARM SPRINKLER BELL
- SMOKE DETECTOR, ADDRESSABLE
- HEAT DETECTOR, ADDRESSABLE
- DUCT DETECTOR, ADDRESSABLE
- RTS REMOTE TEST STATION FOR DUCT DETECTOR
- FIRE ALARM SHUT DOWN RELAY
- AIM ADDRESSABLE INPUT MONITOR MODULE
- AOM ADDRESSABLE OUTPUT CONTROL MODULE
- TS TAMPER SWITCH
- WF FLOW SWITCH
- DH MAGNETIC DOOR HOLD OPEN
- BFP BACKFLOW PREVENTER
- PIV POST INDICATOR VALVE

LIGHT FIXTURE LEGEND:

NOTE: SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF TYPES

- XX LIGHTING FIXTURE AS SCHEDULED
- EMERGENCY LIGHTING FIXTURE AS SCHEDULED
- POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)
- EXIT SIGN (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)
- EMERGENCY BATTERY PACK
- PP POWERPACK
- LC LIGHTING CONTACTOR
- OS OCCUPANCY SENSOR, CEILING MTD - WATTSTOPPER DT-300 OR EQUAL WITH ALL POWER PACKS, ACCESSORIES, AND WIRING TO CONTROL ALL LIGHTS IN THE SPACE
- Sx SWITCH
  - (NONE) SINGLE POLE TOGGLE SWITCH
  - 2 TWO-POLE TOGGLE SWITCH
  - 3 THREE-WAY TOGGLE SWITCH
  - 4 FOUR-WAY TOGGLE SWITCH
  - K KEYED SWITCH
  - O OCCUPANCY SENSOR WALL SWITCH
  - O3 OCCUPANCY SENSOR, THREE-WAY WALL SWITCH
  - T TIME SWITCH
  - VA VACANCY SENSOR SWALL SWITCH
  - VA3 VACANCY SENSOR, THREE-WAY WALL SWITCH
- Sx LOWER CASE LETTER INDICATES SWITCH LEG
- Dx WALL DIMMER SWITCH
  - (NONE) SINGLE POLE TOGGLE SWITCH
  - 3 THREE-WAY TOGGLE SWITCH
  - O OCCUPANCY SENSOR WALL SWITCH
  - O3 OCCUPANCY SENSOR, THREE-WAY WALL SWITCH
  - VA VACANCY SENSOR SWALL SWITCH
  - VA3 VACANCY SENSOR, THREE-WAY WALL SWITCH
- EBR EMERGENCY BYPASS RELAY

PANEL LEGEND:

- ELECTRICAL PANEL, TYPE AS SCHEDULED
- XXX ELECTRICAL SYSTEMS CONTROL PANEL
  - FACP FIRE ALARM CONTROL PANEL
  - FAAP FIRE ALARM ANNUNCIATOR PANEL
  - ACP ACCESS CONTROL PANEL
  - SCP SECURITY CONTROL PANEL
  - BMS BUILDING MANAGEMENT SYSTEM
- SPD SURGE PROTECTION DEVICE
- PM POWER METER
- TS TIME SWITCH, 7-DAY, SPST
- GROUNDING ROD

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GROUND
BFG	BELOW FINISHED GROUND
CKT	CIRCUIT
FWE	FURNISHED WITH EQUIPMENT
TYP	TYPICAL
WG	PROVIDE WIRE GUARD

NOTE:
SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

GENERAL ELECTRICAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), WITH THE SOUTH CAROLINA STATE BUILDING CODE, AND WITH LOCAL ORDINANCES.

BUILDING:

2. INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING, UNLESS NOTED OTHERWISE. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.
3. ALL CONDUIT AND WIRING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
4. ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
5. CONDUIT RUNS SHOWN ARE SCHEMATIC AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

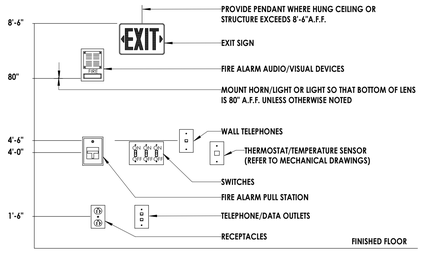
GROUNDING:

6. ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

7. UNLESS NOTED OTHERWISE ON THE DRAWINGS, EACH BRANCH CIRCUIT SHALL BE 2#12, 1#12G; 3/4"CONDUIT. COMBINED NEUTRALS ARE NOT PERMITTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET; PROVIDE #8 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 150 FEET; INCREASE CONDUIT SIZE AS REQUIRED.

TYPICAL DEVICE MOUNTING HEIGHTS DETAIL



NOTES:
1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS.
2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
3. ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED.

AV/DATA SYSTEM RESPONSIBILITY MATRIX

YC = YORK COUNTY & GC = GENERAL CONTRACTOR

SYSTEM	FURNISH	INSTALL	ROUGH-IN RACEWAY	NOTES
AV				
CONDUIT, PATHWAYS, & J-BOXES	GC	GC	GC	-
PULLSTRINGS IN CONDUITS	GC	GC	GC	-
CABLING, FACEPLATES, & TERMINATIONS	YC	YC	GC	-
EQUIPMENT	YC	YC	YC	-
HDMI	YC	YC	GC	1
VIDEO DISPLAY	YC	YC	GC	1
SPEAKERS, MONITORS, PROJECTORS, CAMERAS	YC	YC	GC	2
FLOOR JUNCTION BOXES	GC	GC	GC	-
TYPE/SIZE OF FLOORBOX APPROVAL	YC	N/A	N/A	-
POWERSTRIPS AT RACKS	YC	YC	YC	-
LV/DATA				
CONDUIT, PATHWAYS, & J-BOXES	GC	GC	GC	-
PULLSTRINGS IN CONDUITS	GC	GC	GC	-
CABLING, FACEPLATES, & TERMINATIONS	YC	YC	GC	-
MDF BUILDOUT (RACKS, PATCH PANEL, WIRE MANAGER)	YC	YC	YC	-
CABLE TRAY	GC	GC	GC	-
MDF BACKBOARDS & ELECTRICAL CONNECTIONS	GC	GC	GC	-
MDF (TWO(2) NEMA 5-20 QUADS PER RACK)	GC	GC	GC	-
MDF (TWO(2) NEMA L5-30 OUTLETS PER RACK)	GC	GC	GC	-
FIBEROPTIC	YC	YC	GC	-
NETWORK SWITCH	YC	YC	YC	-
WIRELESS ACCESS POINTS	YC	YC	YC	-
COMPUTERS & PHONES	YC	YC	YC	-
CARD READERS / KEY PADS	YC	YC	GC	-
ELECTRIC STRIKE, DOOR SWITCH, REQUEST TO EXIT, LATCH RETRACTION, ETC.	YC	YC	GC	4
UPS	YC	YC	YC	-
GROUND FAULT CIRCUIT	GC	GC	GC	-
FLOORBOXES	GC	GC	GC	-
TYPE/SIZE OF FLOORBOX APPROVAL	YC	N/A	N/A	-
POWERSTRIPS AT RACKS	YC	YC	YC	-

**NOTE: GC TO PROVIDE ANY DISCREPANCIES BETWEEN RESPONSIBILITY MATRIX AND PLANS TO ARCHITECT & OWNER.

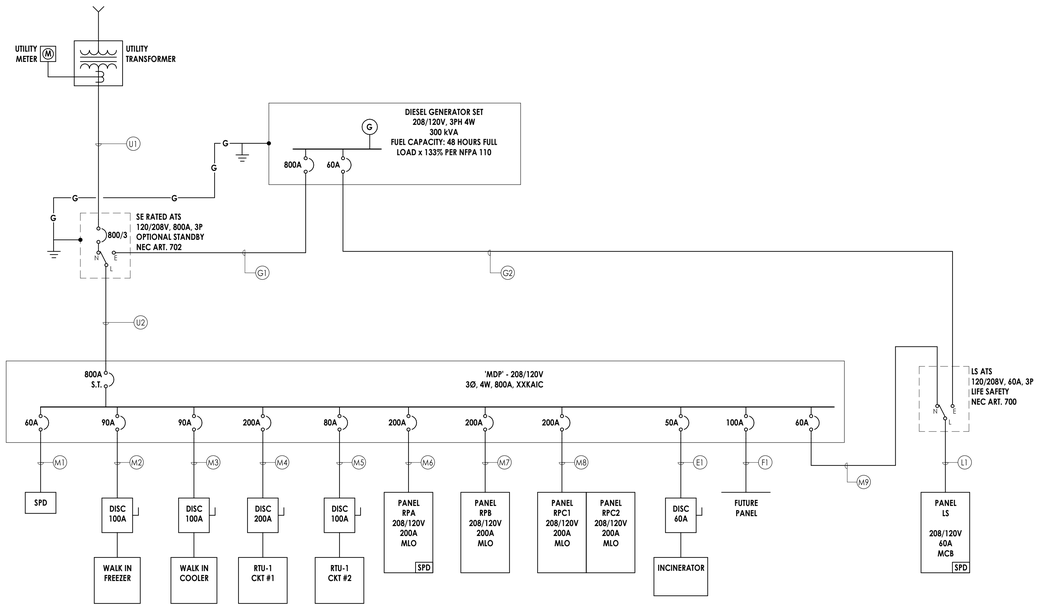
RESPONSIBILITY MATRIX NOTES:

1. 1-1/2" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING.
2. INTERIOR CAMERAS CEILING TILE MOUNTED BY OWNER AND REQUIRE NO BOX. EXTERIOR CAMERAS REQUIRE PENETRATION WITH SINGLE-GANG BOX.
3. PROVIDE SINGLE-GANG BOX.
4. PROVIDE PATHWAY IN FRAME OF DOOR TO ABOVE ACCESSIBLE CEILING.

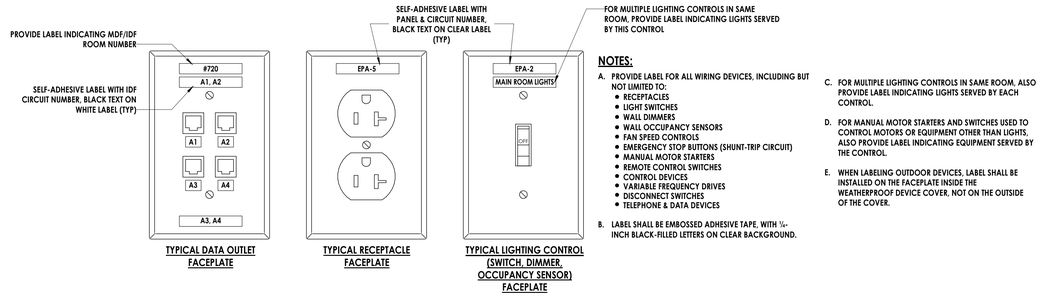
FEEDER SCHEDULE

NO.	FROM	TO	CIRCUIT AMP RATING	FEEDER	NOTES
U1	UTILITY TRANSFORMER	SERVICE ENTRANCE ATS	800	3 SETS: 4 #300; 3"C	-
U2	SERVICE ENTRANCE ATS	MDP	800	3 SETS: 4 #300, #2/0G; 3"C	1
G1	DIESEL GENERATOR	SE-ATS (SERVICE ENTRANCE)	800	3 SETS: 4 #300, #2/0G; 3"C	-
G2	DIESEL GENERATOR	LS-ATS (LIFE SAFETY)	60	3 #4, #10G; 1-1/4" CONDUIT	-
M1	MDP	SPD	60	5 #6; 1" CONDUIT	-
M2	MDP	WALK-IN FREEZER	90	3 #2, #8G; 1-1/4" CONDUIT	-
M3	MDP	WALK-IN COOLER	90	3 #2, #8G; 1-1/4" CONDUIT	-
M4	MDP	RTU-1 CIRCUIT #1	200	-	2
M5	MDP	RTU-1 CIRCUIT #2	80	-	2
M6	MDP	PANEL RPA	200	3 #3/0, #6G; 2" CONDUIT	-
M7	MDP	PANEL RPB	200	3 #3/0, #6G; 2" CONDUIT	-
M8	MDP	PANEL RPC	200	3 #3/0, #6G; 2" CONDUIT	-
M9	MDP	PANEL LS	60	3 #6, #10G; 1" CONDUIT	-
L1	LS-ATS (LIFE SAFETY)	PANEL LS	60	3 #6, #10G; 1" CONDUIT	-
F1	MDP	FUTURE PANEL	100	3 #2, #6G; 1-1/4" CONDUIT	-
E1	MDP	INCINERATOR	50	3 #6, #10G; 1" CONDUIT	-

FEEDER SCHEDULE NOTES:
1. TERMINATE ON SHUNT TRIP CIRCUIT BREAKER.
2. REFER TO EQUIPMENT CONNECTION SCHEDULE FOR FEEDER REQUIREMENTS.



1 E000 **ELECTRICAL SINGLE LINE DIAGRAM**
NOT TO SCALE



TYPICAL DATA OUTLET FACEPLATE | TYPICAL RECEPTACLE FACEPLATE | TYPICAL LIGHTING CONTROL (SWITCH, DIMMER, OCCUPANCY SENSOR) FACEPLATE

NOTES:

A. PROVIDE LABEL FOR ALL WIRING DEVICES, INCLUDING BUT NOT LIMITED TO:
- RECEPTACLES
- LIGHT SWITCHES
- WALL DIMMERS
- WALL OCCUPANCY SENSORS
- FAN SPEED CONTROLS
- EMERGENCY STOP BUTTONS (SHUNT-TRIP CIRCUIT)
- MANUAL MOTOR STARTERS
- REMOTE CONTROL SWITCHES
- CONTROL DEVICES
- VARIABLE FREQUENCY DRIVES
- DISCONNECT SWITCHES
- TELEPHONE & DATA DEVICES

B. LABEL SHALL BE EMBOSSED ADHESIVE TAPE, WITH ¼-INCH BLACK-FILLED LETTERS ON CLEAR BACKGROUND.

C. FOR MULTIPLE LIGHTING CONTROLS IN SAME ROOM, ALSO PROVIDE LABEL INDICATING LIGHTS SERVED BY EACH CONTROL.

D. FOR MANUAL MOTOR STARTERS AND SWITCHES USED TO CONTROL MOTORS OR EQUIPMENT OTHER THAN LIGHTS, ALSO PROVIDE LABEL INDICATING EQUIPMENT SERVED BY THE CONTROL.

E. WHEN LABELING OUTDOOR DEVICES, LABEL SHALL BE INSTALLED ON THE FACEPLATE INSIDE THE WEATHERPROOF DEVICE COVER, NOT ON THE OUTSIDE OF THE COVER.

3 E000 **TYPICAL WIRING DEVICE LABELING DETAIL2**
NOT TO SCALE

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PROJECT INFORMATION

Project Number: R23.01309.00

Client Name: YORK COUNTY

Project Name: CORONER'S FACILITY - YCE
PROJECT #20312

Project Address: 1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
A	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

SHEET INFORMATION

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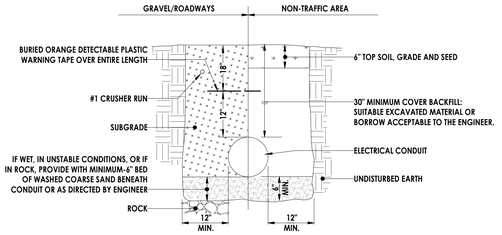
Drawn By: CPL
Checked By: CPL
Drawing Title: ELECTRICAL SYMBOLS LEGEND, NOTES & SYSTEM DIAGRAMS
Drawing Number: E000

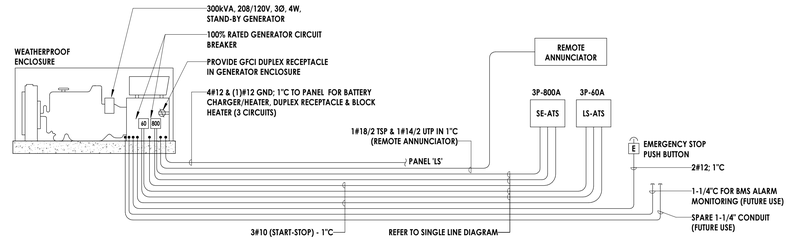
1/14/2025 2:55:21 PM <project location>\2 Design & Project Files on BIM 360



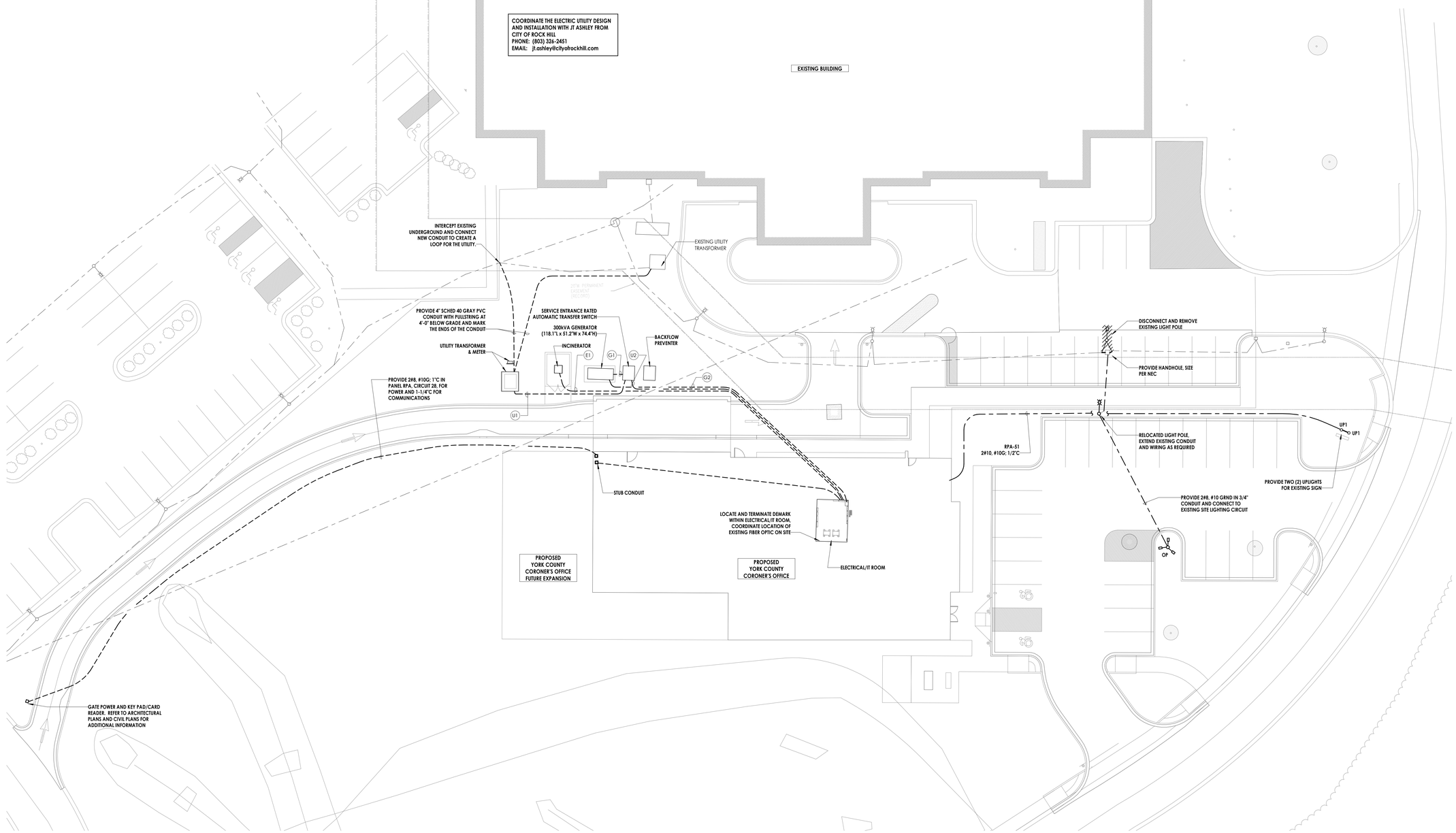
NOTES:

1. ALL MATERIAL PLACED IN GRAVEL/ROADWAY AREAS SHALL BE COMPACTED IN MAXIMUM 6" LIFTS.
2. THIS TRENCH DETAIL SHALL INCLUDE THE REQUIREMENTS COMMON TO MORE THAN ONE SECTION OF DIVISION 2 OF THE SPECIFICATIONS.

2 / E050 **TYPICAL CONDUIT TRENCH DETAIL**
NOT TO SCALE



3 / E050 **GENERATOR WIRING SCHEMATIC**
NOT TO SCALE



1 / E050 **ELECTRICAL SITE PLAN**
1/16" = 1'-0"

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A	12/20/2024	PLAN REVIEW COMMENTS

PROFESSIONAL STAMPS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 20444
08/27/2024
MICHAEL S. PARKER

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Drawing Number
-
E050

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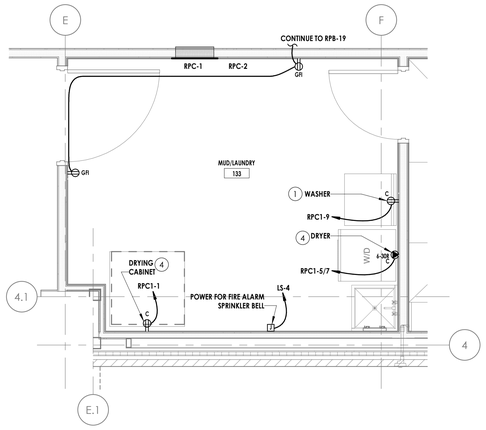
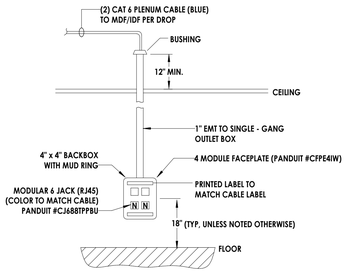
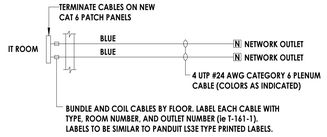


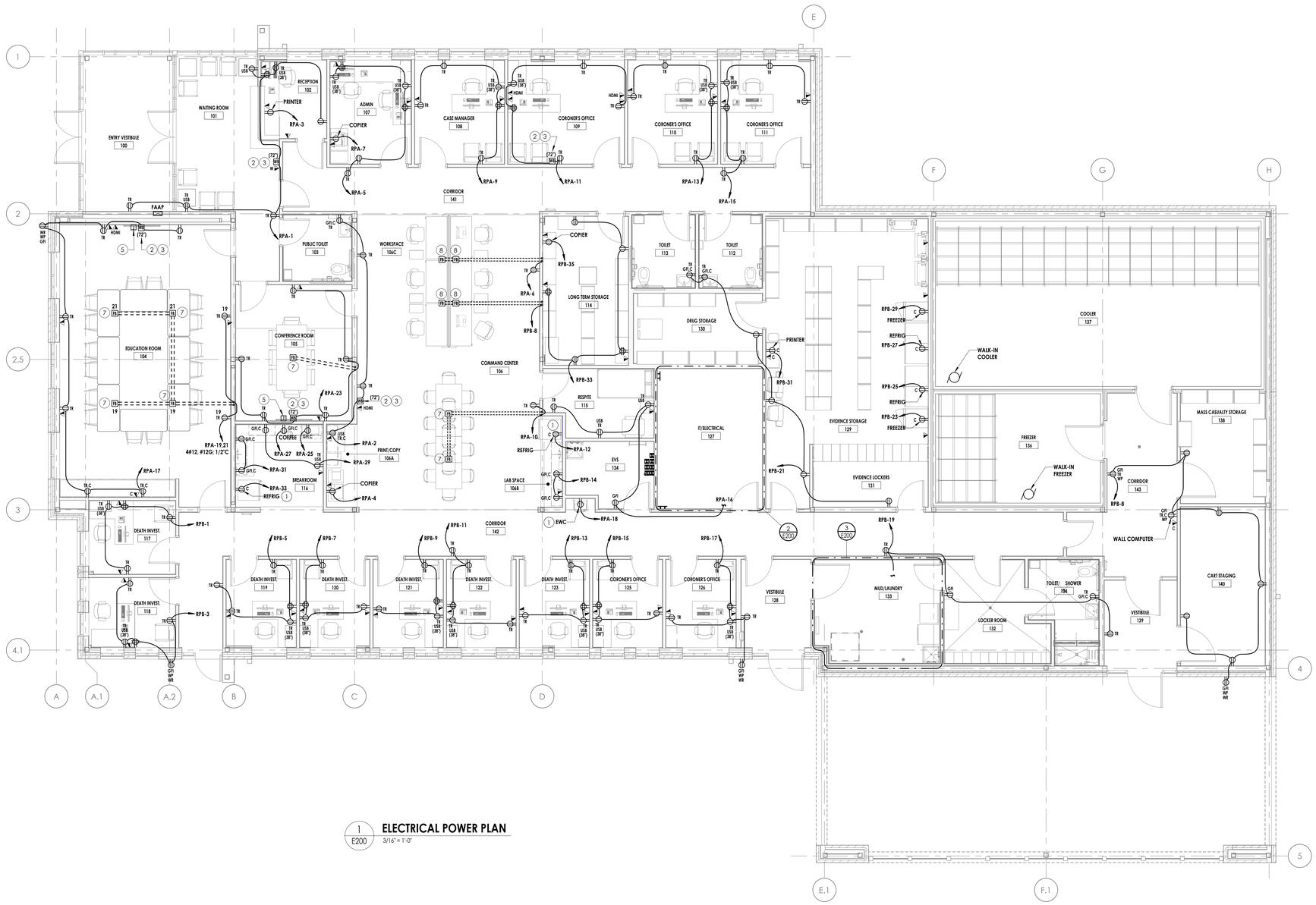
3 E200 **ENLARGED ELECTRICAL PLAN MUD/LAUNDRY 133**
3/8" = 1'-0"



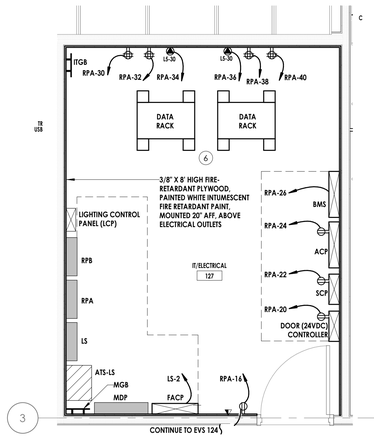
4 E200 **TYPICAL DATA OUTLET DETAIL**
NOT TO SCALE



5 E200 **TYPICAL DATA RISER DIAGRAM**
NOT TO SCALE



1 E200 **ELECTRICAL POWER PLAN**
3/16" = 1'-0"



2 E200 **ENLARGED ELECTRICAL PLAN IT/ELECTRICAL 127**
3/8" = 1'-0"

GENERAL NOTES:

A. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.

B. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE.

C. COORDINATE EXACT LOCATIONS OF DEVICES WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.

D. DEVICES IN CLOSE PROXIMITY SHALL BE GANGED WHEREVER POSSIBLE. PROVIDE METAL DIVIDER BETWEEN DEVICES OF DIFFERENT VOLTAGES OR DIFFERENT SYSTEMS. ALL DEVICE LOCATIONS SHALL BE APPROVED BY THE ARCHITECT BEFORE WALLS ARE CLOSED.

E. COORDINATE ALL ROUGH-IN LOCATIONS AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND MANUFACTURER'S INSTRUCTIONS PRIOR TO ROUGH-IN.

F. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.

G. COORDINATE WITH HVAC CONTROLS CONTRACTOR FOR ANY 120V POWER REQUIRED.

H. COORDINATE EXACT MOUNTING HEIGHT AND LOCATIONS OF ALL TELEVISIONS PRIOR TO ROUGH-IN.

I. COORDINATE EXACT LOCATION OF CAMERAS WITH OWNER PRIOR TO ROUGH-IN.

J. COORDINATE ALL ACCESS CONTROL DEVICES WITH OWNER AND DOOR HARDWARE PRIOR TO ROUGH-IN.

(X) PLAN NOTES:

1. PROVIDE WITH GFCI CIRCUIT BREAKER.
2. PROVIDE WALLBOX EQUIVALENT TO LEGRAND #EFSB2. PROVIDE BASIS OF (1) DUPLEX RECEPTACLE, (2) CAT 6 COMMUNICATIONS BRACKETS, AND (1) CATV F-CONNECTOR FEMALE BRACKET. COORDINATE WITH OWNER PRIOR TO SELECTING BRACKETS. COORDINATE WITH WALL FINISH, TV LOCATION, AND OTHER TRADES PRIOR TO ROUGH-IN. PROVIDE WITH HINGED COVER ASSEMBLY. FOR DATA AND AV PROVIDE CONDUIT INDICATED ON PLAN WITH PULL CORD. STUBBED 90-DEGREE TO ABOVE ACCESSIBLE CEILING IN CORRIDOR. PROVIDE NYLON BUSHING ON CONDUIT END.
3. PROVIDE 2" X 6" WOOD BLOCKING BETWEEN STUDS ABOVE AND BELOW WALL BOX IN THE WALL AT ALL TV LOCATIONS.
4. ORIENT DRYER PLUG SO THAT CORD HANGS DOWN.
5. PROVIDE 4-GANG BOX FOR VIDEO CONFERENCING DEVICE AT 18" WITH (2) 1-1/4"C TO ABOVE ACCESSIBLE CEILING.
6. REFER TO E050 SITE PLAN FOR (2) 3" CONDUIT ROUTING FROM IT RACKS TO HANDHOLE OUTSIDE THE BUILDING.
7. PROVIDE FLOORBOX EQUIVALENT TO LEGRAND #EFB8S-OG. PROVIDE (2) DUPLEX RECEPTACLES, AND (2) CAT 6 COMMUNICATIONS BRACKETS. COORDINATE WITH OWNER PRIOR TO SELECTING COMMUNICATIONS BRACKETS. COORDINATE WITH FLOORING AND OTHER TRADES PRIOR TO ROUGH-INS. ROUTE CONDUIT FOR DATA CABLING FROM FLOOR BOX TO INSIDE ADJACENT WALL TO ABOVE ACCESSIBLE CEILING. COORDINATE FLOORBOX LOCATIONS WITH FURNITURE LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONING.
8. PROVIDE FLOORBOX EQUIVALENT TO LEGRAND #EFB8S-OG. PROVIDE (4) DUPLEX RECEPTACLES, AND (4) CAT 6 COMMUNICATIONS BRACKETS. COORDINATE WITH OWNER PRIOR TO SELECTING COMMUNICATIONS BRACKETS. COORDINATE WITH FLOORING AND OTHER TRADES PRIOR TO ROUGH-INS. ROUTE CONDUIT FOR DATA CABLING FROM FLOOR BOX TO INSIDE ADJACENT WALL TO ABOVE ACCESSIBLE CEILING. COORDINATE FLOORBOX LOCATIONS WITH FURNITURE LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONING.

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PROJECT INFORMATION

Project Number
R23.013O9.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 20444 08/27/2024 CHARLES E. PHILLIPS

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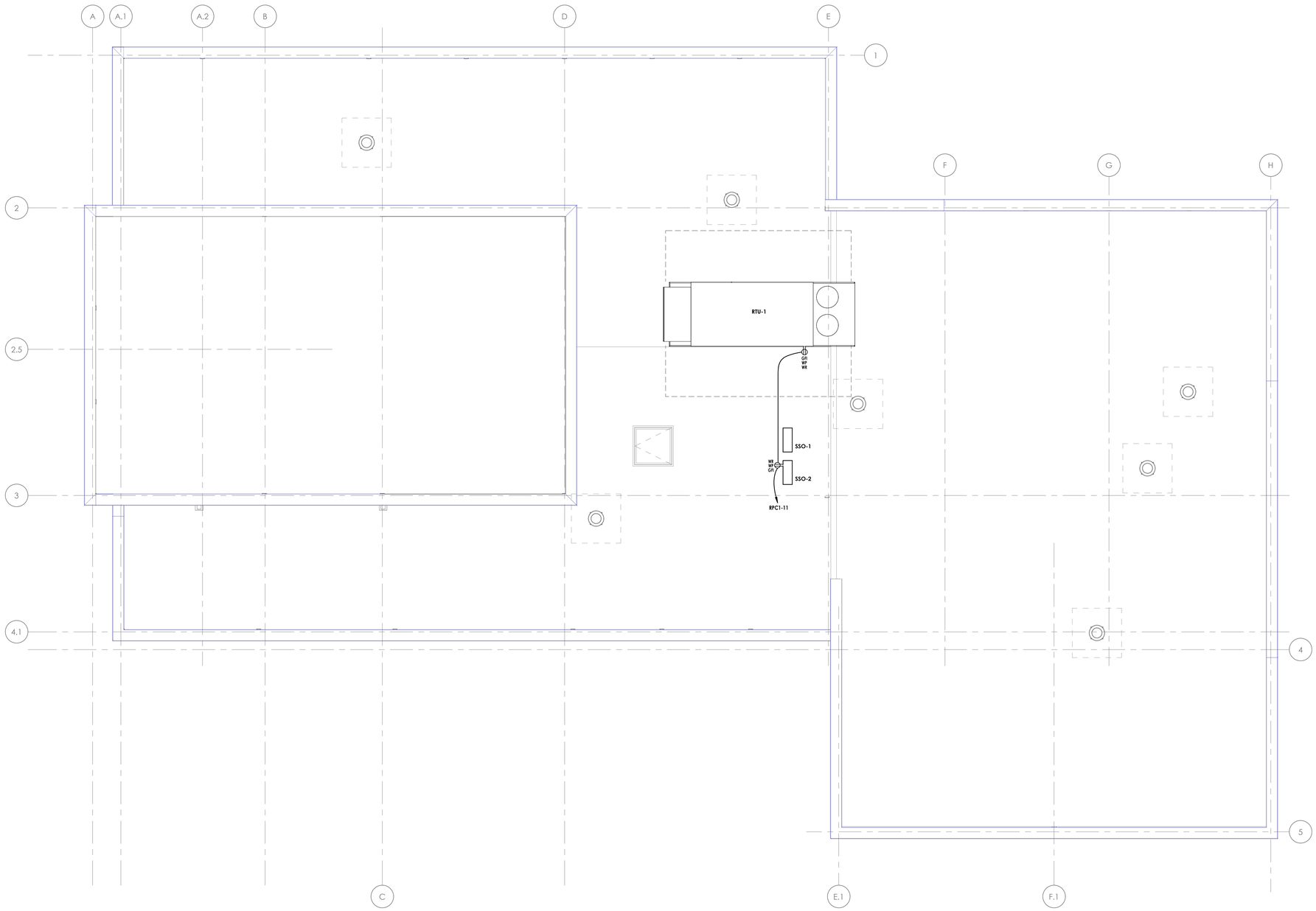

1 E201 **ELECTRICAL ROOF POWER PLAN**
3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
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Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 20444
08/27/2024
MICHAEL S RINEHART

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E201

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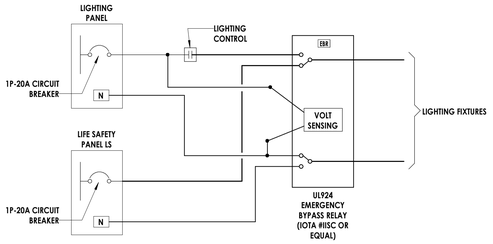
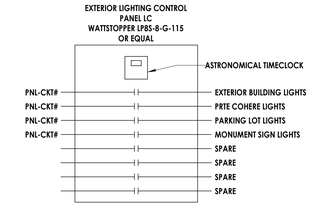


2 E300 **EMERGENCY BYPASS RELAY SCHEMATIC1**
NOT TO SCALE



3 E300 **EXTERIOR LIGHTING CONTROL SCHEMATIC - LC**
NOT TO SCALE

LUMINAIRE SCHEDULE REMARKS:

1. PROVIDE COMPATIBLE DIMMER FOR FIXTURE WHERE INDICATED ON LIGHTING FIXTURE PLANS.
2. FACES, MOUNTING, AND CHEVRONS SHALL BE PER PLANS.
3. VERIFY FINAL FIXTURE LENGTH WITH ARCHITECT PRIOR TO ORDERING.
4. COORDINATE EXACT COLOR/FINISH WITH ARCHITECT/OWNER PRIOR TO ORDERING FIXTURE(S). PROVIDE PHYSICAL COLOR CHART AS REQUIRED BY ARCHITECT.
5. PROVIDE HANGER-CHAIN LENGTH AS REQUIRED FOR FIXTURES THAT ARE CHAIN-HUNG.
6. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT/INTERIORS PRIOR TO ROUGH-IN.
7. COORDINATE FIXTURE WITH MIRROR AND SINK LOCATION AND WALL FINISHES PRIOR TO ROUGH-IN.
8. PROVIDE POLE TO MATCH EXISTING.

LUMINAIRE SCHEDULE GENERAL NOTES:

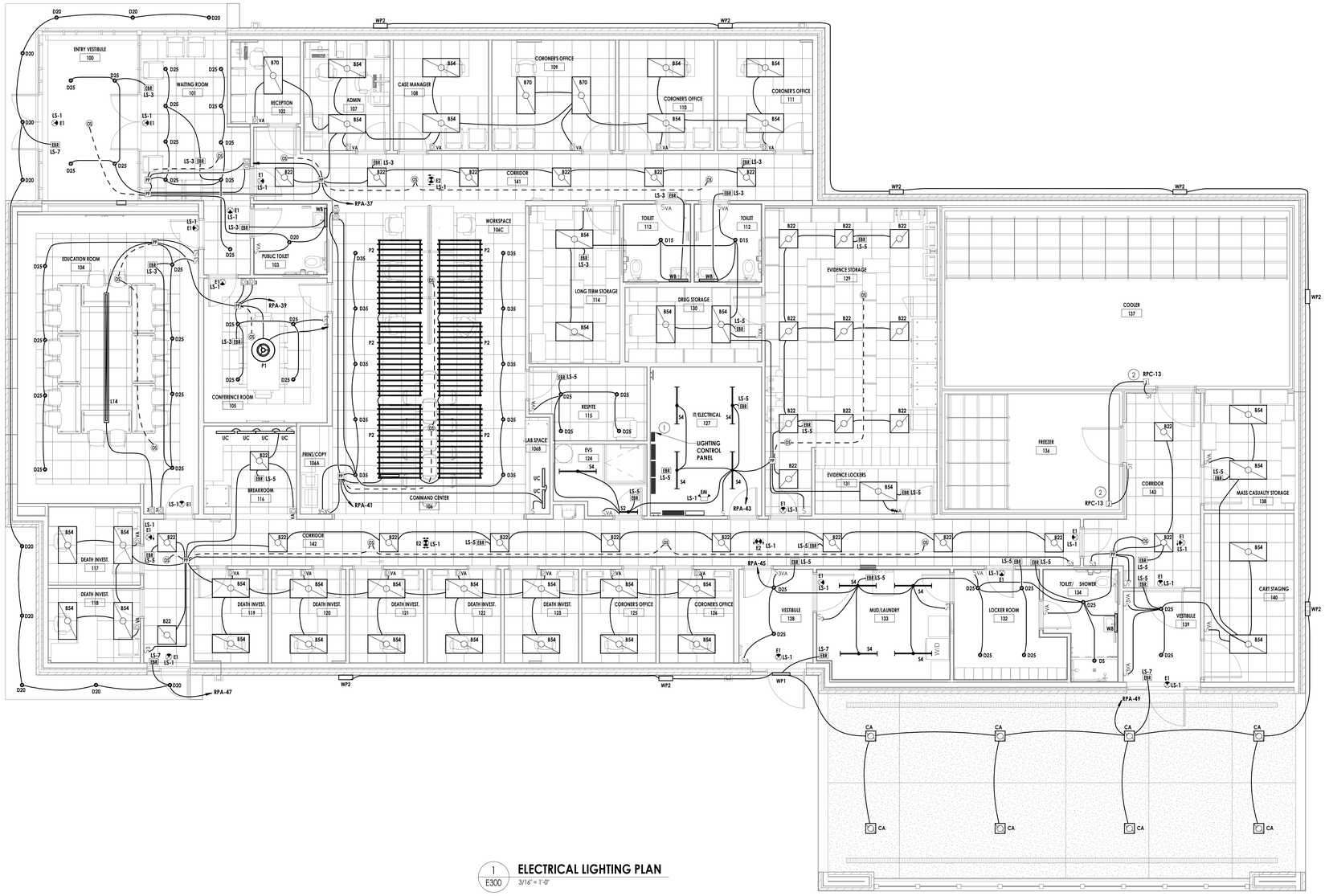
A. PROVIDE DRIVERS AS REQUIRED FOR FIXTURES IN AREAS WHERE DIMMING IS INDICATED.

B. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL LIGHTING FIXTURES.

C. PROVIDE WITH PROPER MOUNTING HARDWARE FOR CEILING TYPE INDICATED ON PLANS.

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	LUMENS	WATTS	TYPE	MOUNTING	REMARKS
B22	2'x2' LED LUMINAIRE, WHITE ALUMINUM HOUSING, ACRYLIC LENS, 1% MINIMUM 0-10V DIMMING	METALUX OR APPROVED EQUAL BY LITHONIA OR HE WILLIAMS	22EN-LD2-39-UNV-L835-CD1U	MVOLT	3979	33	3500K LED	RECESSED-GRID	1
B54	2'x4' LED LUMINAIRE, WHITE ALUMINUM HOUSING, ACRYLIC LENS, 1% MINIMUM 0-10V DIMMING	METALUX OR APPROVED EQUAL BY LITHONIA OR HE WILLIAMS	24EN-LD2-54-UNV-L835-CD1U	MVOLT	5410	43	3500K LED	RECESSED-GRID	1
B70	2'x4' LED LUMINAIRE, WHITE ALUMINUM HOUSING, ACRYLIC LENS, 1% MINIMUM 0-10V DIMMING	METALUX OR APPROVED EQUAL BY LITHONIA OR HE WILLIAMS	24EN-LD2-70-UNV-L835-CD1U	MVOLT	7023	60	3500K LED	RECESSED-GRID	1
CA	13.5'x13.5' LED CANOPY LUMINAIRE, LOW-PROFILE ALUMINUM HOUSING, UL LISTED FOR WET LOCATIONS	LSI OR APPROVED EQUAL BY METALUX OR LITHONIA	SCV-LED-10L-SC-UNV-DIM-30K-WHT	MVOLT	9652	67	3000K LED	RECESSED	-
D15	4" LED OPEN DOWNLIGHT, 0-10V 1% MIMIMUM DIMMING	PORTFOLIO OR APPROVED EQUAL BY GOTHAM OR PATHWAY	LD4C-15-90-35-D010-PD-W-1-MW	MVOLT	1500	12	3500K LED	RECESSED	1
D20	4" LED OPEN DOWNLIGHT, 0-10V 1% MIMIMUM DIMMING	PORTFOLIO OR APPROVED EQUAL BY GOTHAM OR PATHWAY	LD4C-20-90-35-D010-PD-W-1-MW	MVOLT	2000	18	3500K LED	RECESSED	1
D25	4" LED OPEN DOWNLIGHT, 0-10V 1% MIMIMUM DIMMING	PORTFOLIO OR APPROVED EQUAL BY GOTHAM OR PATHWAY	LD4C-25-90-35-D010-PD-W-1-MW	MVOLT	2500	22	3500K LED	RECESSED	1
D35	4" LED OPEN DOWNLIGHT, 0-10V 1% MIMIMUM DIMMING	PORTFOLIO OR APPROVED EQUAL BY GOTHAM OR PATHWAY	EHL1S-35-A-W-R-S-xx-xx	MVOLT	3500	31	3500K LED	RECESSED	1
DS	4" SHOWER LED DOWNLIGHT, NON-CONDUCTIVE SHOWER LENS	PORTFOLIO OR APPROVED EQUAL BY GOTHAM OR PATHWAY	LD4C-25-90-35-D010-PS	MVOLT	2500	23	3500K LED	RECESSED-GYP	1
E1	SINGLE-FACE LED EXIT SIGN, SLIM ALUMINUM HOUSING, BRUSHED ALUMINUM FACE AND TRIM, AC ONLY	SURE-LITE OR APPROVED EQUAL BY TRACE-LITE OR SIGNTEX	ARCEL-6-1-R-C-WH	120-277	-	3	RED LED LETTERS	UNIVERSAL	2
E2	DOUBLE-FACE LED EXIT SIGN, SLIM ALUMINUM HOUSING, BRUSHED ALUMINUM FACE AND TRIM, AC ONLY	SURE-LITE OR APPROVED EQUAL BY TRACE-LITE OR SIGNTEX	ARCEL-6-2-R-C-WH	120-277	-	3	RED LED LETTERS	UNIVERSAL	2
EM	EMERGENCY LIGHT WITH DUAL HEADS, POLYCARBONATE HOUSING WITH THERMOPLASTIC HEADS, SEALED MAINTENANCE FREE NI-CAD BATTERY, INTEGRAL TEST SWITCH, UL 924 LISTED	SURE-LITE OR APPROVED EQUAL BY TRACE-LITE OR SIGNTEX	AP2SQLED30	120-277	-	3	LED	SURFACE	-
L1	1.5" WIDE LED LINEAR RECESSED FIXTURE, ALUMINUM HOUSING, SNAP-IN ACRYLIC LENS, WET LOCATION LISTED, REMOTE DRIVE	DADO LIGHTING OR APPROVED EQUAL BY PINNACLE ARCHITECTURAL LIGHTING OR PURE EDGE	S30-MC5-2ML-35-1-W-Axx/ARxx-xx-I Cxx-R-X-D010-UNV	MVOLT	9.8/FT	9.8/FT	3500K LED	RECESSED	3,4
L14	14' LED LINEAR SUSPENDED LUMINAIRE, ALUMINUM HOUSING, OPAL ACRYLIC LENS	BETA CALCO OR APPROVED EQUAL BY PMC LIGHTING FINELITE	TL2PSN08-TL2PSN06-LPF120-LPG020 -CR80-CTA35-CTB35-DD3-UD1-VA-G1-HLA09-xx-xx-E0-CS1	MVOLT	1600/FT	13/FT	3500K LED	SUSPENDED-GRID	1,3,4
OP	LED AREA LIGHT WITH 3-LUMINAIRES AT 120-DEGREES, TYPE IV-FORWARD THROW DISTRIBUTION	MCGRAW EDISON OR APPROVED EQUAL BY LSI OR LITHONIA	GALN-SA2B-730-U-T4W-PA	MVOLT	11451	82	3000K LED	POLE	8
P1	30' LED PENDANT LUMINAIRE, MODERN DOUBLE LAYER DRUM WITH FABRIC/ACRYLIC SHADE IN 2 COLORS, WHITE ACRYLIC DIFFUSER	AFX INC' LIGHTING OR APPROVED EQUAL BY BETA CALCO OR LIGHTART	ANP3044L5AJUDXX-XX	MVOLT	5400	60	3500K LED	PENDANT	1,4
P2	ACOUSTIC 58" WITH ARENA LED SLICE LINEAR LUMINAIRE	EUREKA OR APPROVED EQUAL	8297-98 / 8296	MVOLT	-	180/SLICE	3500K LED	SUSPENDED	1,3,4
S2	4' LED LENSED STRIP LUMINAIRE, WHITE STEEL HOUSING, SNAP ON LENS	METALUX OR APPROVED EQUAL BY LITHONIA OR HE WILLIAMS	2SNX-23SL-LW-UNV-L840-CD1-U-W G-SNX/SN-2FT-8	MVOLT	2146	15	4000K LED	WALL MOUNT ABOVE DOOR	5
S4	4' LED LENSED STRIP LUMINAIRE, WHITE STEEL HOUSING, SNAP ON LENS	METALUX OR APPROVED EQUAL BY LITHONIA OR HE WILLIAMS	4SNX-40SL-LW-UNV-L840-CD1-U-W G-SNX/SN-4FT-8-AYC-CHAIN/SET-U	MVOLT	5662	42	4000K LED	SURFACE OR CHAIN-HUNG	5
UC	24" UNDERCABINET LUMINAIRE, LOW GLARE OPTICS	HALO OR APPROVED EQUAL	HU30M-SCTD-24	MVOLT	670	9	3500K LED	SURFACE	1
UP1	LOW-PROFILE LED UPLIGHT, ALUMINUM HOUSING, SHOCK RESISTANT, TEMPERED GLASS LENS WITH FULL 180-DEGREE VERTICAL ADJUSTMENT, UL LISTED FOR WET LOCATIONS	B-K LIGHTING OR APPROVED EQUAL	DI-LED-TR-e151-SP-9-C-MT	MVOLT	502	9	3000K LED	GROUND	3
WB	24" LONG, SEMI-RECESSED WALL BRACKET, 1/8" THICK CLEAR ACRYLIC DIFFUSER WITH MATTE FINISH	VISA LIGHTING OR APPROVED EQUAL	CB1974-L35K-MVOLT-xx-xx	MVOLT	950	13	3500K LED	SEMI-RECESSED ON WALL	4,7
WP1	37.25" LED MULLION MOUNT FIXTURE, ALUMINUM HOUSING, TEMPERED GLASS, IMPACT RESISTANT / LOW-IRON LENS, UL LISTED FOR WET LOCATIONS	VISA LIGHTING OR APPROVED EQUAL BY LIGMAN LIGHTING USA OR SIGNTEX	OW2480-L30K(H)-MVOLT-LUM-BMAT	MVOLT	1900	40	3000K LED	MULLION ABOVE DOOR	4,6
WP2	LED ARCHITECTURAL WALL PACK, OPAL ACRYLIC LENS, UL LISTED FOR WET LOCATIONS	SCOTT ARCHITECTURAL OR APPROVED EQUAL	S9132-L34L30K-HS-L30	MVOLT	2250	30	3000K LED	SURFACE ON WALL	4,6



1 E300 **ELECTRICAL LIGHTING PLAN**
3/16" = 1'-0"

GENERAL NOTES:

A. CONTROLS CONTRACTOR SHALL SUPPLY THE ELECTRICAL QUANITITY OF RELAYS TO BE INSTALLED PRIOR TO DATE OF PROJECT WORK COMMENCEMENT.

B. LIGHTING RELAYS SHALL BE FURNISHED BY THE DIV. 23 CONTRACTOR FOR INSTALLATION BY THE DIV. 26 CONTRACTOR. THE DIV. 26 CONTRACTOR IS RESPONSIBLE TO MAKE LINE VOLTAGE CONNECTIONS (UNSWITCHED LOCAL LIGHTING CIRCUIT) TO THE RELAY.

C. ALL SPACES ARE CONTROLLED BY OCCUPANCY OR VACANCY SENSOR(S) UNLESS SPECIFICALLY NOTED OTHERWISE.

D. CONTROLS CONTRACTOR TO PROVIDE CORRECT TYPE AND QUANTITY OF VOLTAGE TRANSFORMERS AS REQUIRED. ELECTRICAL CONTRACTOR SHALL PROVIDE LINE VOLTAGE TO SENSOR TRANSFORMERS.

E. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL REQUIRED 120V CIRCUIT WIRING AND MAKE NECESSARY CONNECTIONS. COORDINATE EXACT REQUIREMENTS WITH DIVISION 23 AND CONTROLS CONTRACTOR.

(X) **KEY NOTES:**

1. EXTERIOR LIGHTING CONTROL PANEL LC-8 WATTSTOPERLP8S-4-G-115 OR EQUAL.
2. LIGHTING FURNISHED WITH WALK-IN EQUIPMENT. PROVIDE REQUIRED CONNECTIONS TO CONNECT EQUIPMENT LIGHTING.

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PROJECT INFORMATION

Project Number
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Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 20444
08/27/2024
REGISTERED

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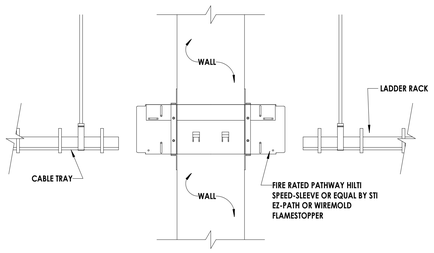
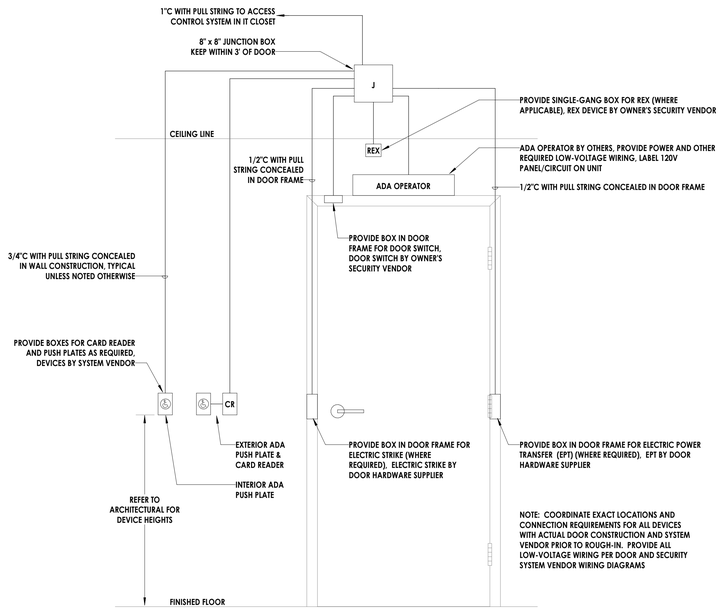
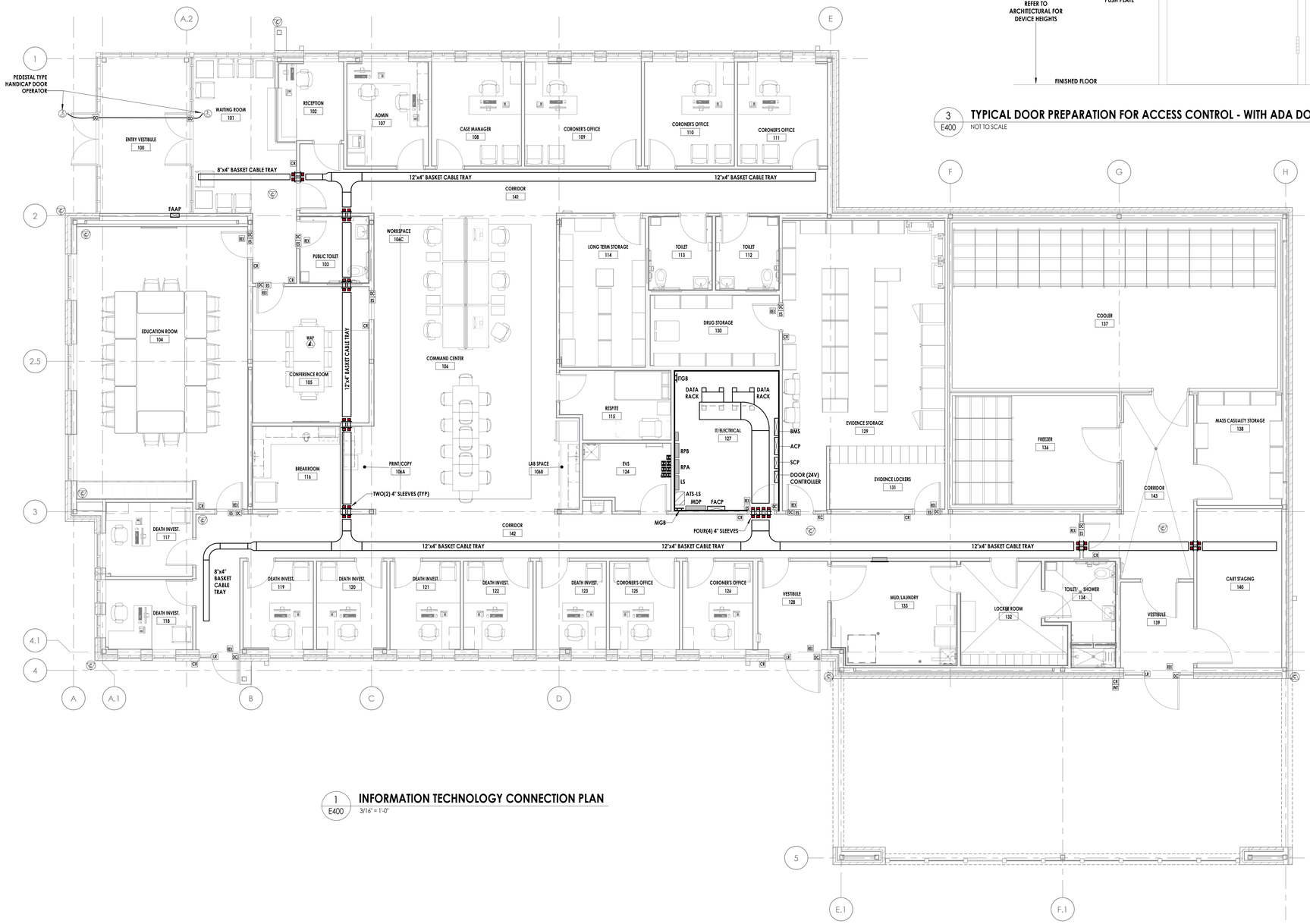


2 E400 **FIRE RATED CONDUIT SLEEVE DETAIL**
NTS



3 E400 **TYPICAL DOOR PREPARATION FOR ACCESS CONTROL - WITH ADA DOOR OPERATOR2**
NOT TO SCALE



1 E400 **INFORMATION TECHNOLOGY CONNECTION PLAN**
3/16" = 1'-0"

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PROJECT INFORMATION

Project Number
R23.0139.00

Client Name
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Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
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MICHAEL J. TURNER

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Drawing Number
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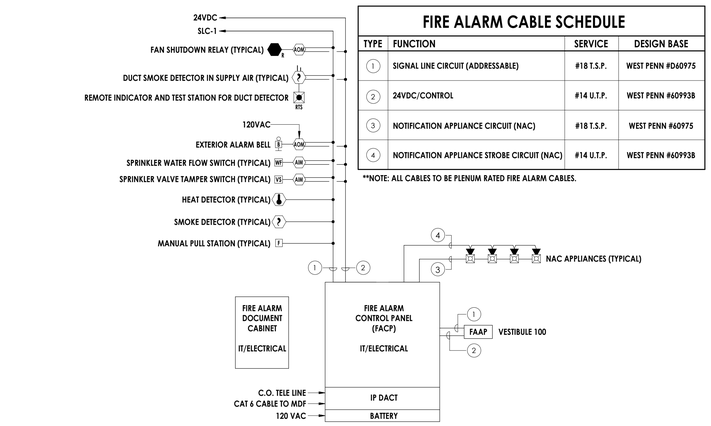


FIRE ALARM CABLE SCHEDULE

TYPE	FUNCTION	SERVICE	DESIGN BASE
1	SIGNAL LINE CIRCUIT (ADDRESSABLE)	#18 T.S.P.	WEST PENN #D60975
2	24VDC/CONTROL	#14 U.T.P.	WEST PENN #60993B
3	NOTIFICATION APPLIANCE CIRCUIT (NAC)	#18 T.S.P.	WEST PENN #60975
4	NOTIFICATION APPLIANCE STROBE CIRCUIT (NAC)	#14 U.T.P.	WEST PENN #60993B

**NOTE: ALL CABLES TO BE PLENUM RATED FIRE ALARM CABLES.

FIRE ALARM RISER DIAGRAM NOTES:

A. THIS RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH SYSTEM SUPPLIER TO VERIFY FINAL QUANTITIES.

B. THIS DIAGRAM IS NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES AND NOT ALL DEVICE TYPES SHOWN IN THIS DIAGRAM MAY BE USED ON THIS PARTICULAR PROJECT. REFER TO PLAN FOR EXACT DEVICE QUANTITY AND TYPES. SYSTEM SUPPLIER TO VERIFY FINAL QUANTITIES.

FIRE ALARM NOTES:

A. LOCATE MANUAL FIRE ALARM PULL STATIONS WITHIN 5-FEET OF EACH EXIT DOORWAY ON EACH FLOOR.

B. FIRE ALARM SYSTEM SHALL BE INSTALLED PER 2021 SOUTH CAROLINA FIRE CODE OR THE 2021 INTERNATIONAL FIRE CODE WITH SC AMENDMENTS.

C. THE ENTIRE FIRE ALARM SYSTEM SHALL BE TESTED AND CERTIFIED AS FULLY OPERATIONAL BY THE INSTALLING CONTRACTOR AT PROJECT COMPLETION. THIS TEST SHALL INCLUDE 100% OF THE SYSTEM INCLUDING ALL DEVICES, BUILDINGS, ETC. CONTRACTOR TO PROVIDE THE FOLLOWING TO UNG BLUE RIDGE:
- ZONE LIST REFLECTING ALL DEVICES ASSOCIATED WITH THE FIRE ALARM SYSTEM.
- ANNUAL FIRE ALARM SYSTEM INSPECTION REPORT FOR THE COMPLETE SYSTEM (ALL DEVICES, BUILDINGS, ETC.)

NOTICE TO FIRE ALARM SYSTEM CONTRACTOR

REMAINDER. NOTIFY THE STATE FIRE MARSHAL'S OFFICE, VIA SFM FORM 356A, AT LEAST 30 WORKING DAYS PRIOR TO BEGINNING OF INSTALLATION OF FIRE ALARM SYSTEM (INCLUDING ROUGH-IN), AND SUBMIT THREE COPIES OF COMPLETE INFORMATION REGARDING SYSTEM, IN COMPLIANCE WITH NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2013 EDITION, CHAPTERS 7 AND 10.

SPECIAL NOTE: EVIDENCE OF THE SYSTEM DESIGNER'S QUALIFICATIONS, IN THE FORM OF A NICET FIRE ALARM SYSTEM LEVEL IV CERTIFICATION; A STATE OF SOUTH CAROLINA LVA OR LVII LICENSE; OR AN EOR'S STAMP, SHALL BE IDENTIFIED ON THE PLANS, ALONG WITH THE APPROPRIATE NUMBER AND SIGNATURE (SEE CHAPTER 10, SUBSECTION 10.5.1). AFTER APPROVAL, THE APPROVED PLANS MUST BE KEPT ON THE SITE AT ALL TIMES. NO WORK SHALL COMMENCE UNTIL APPROVAL OF THE SUBMITTED PLANS BY SFM.

**NOTE

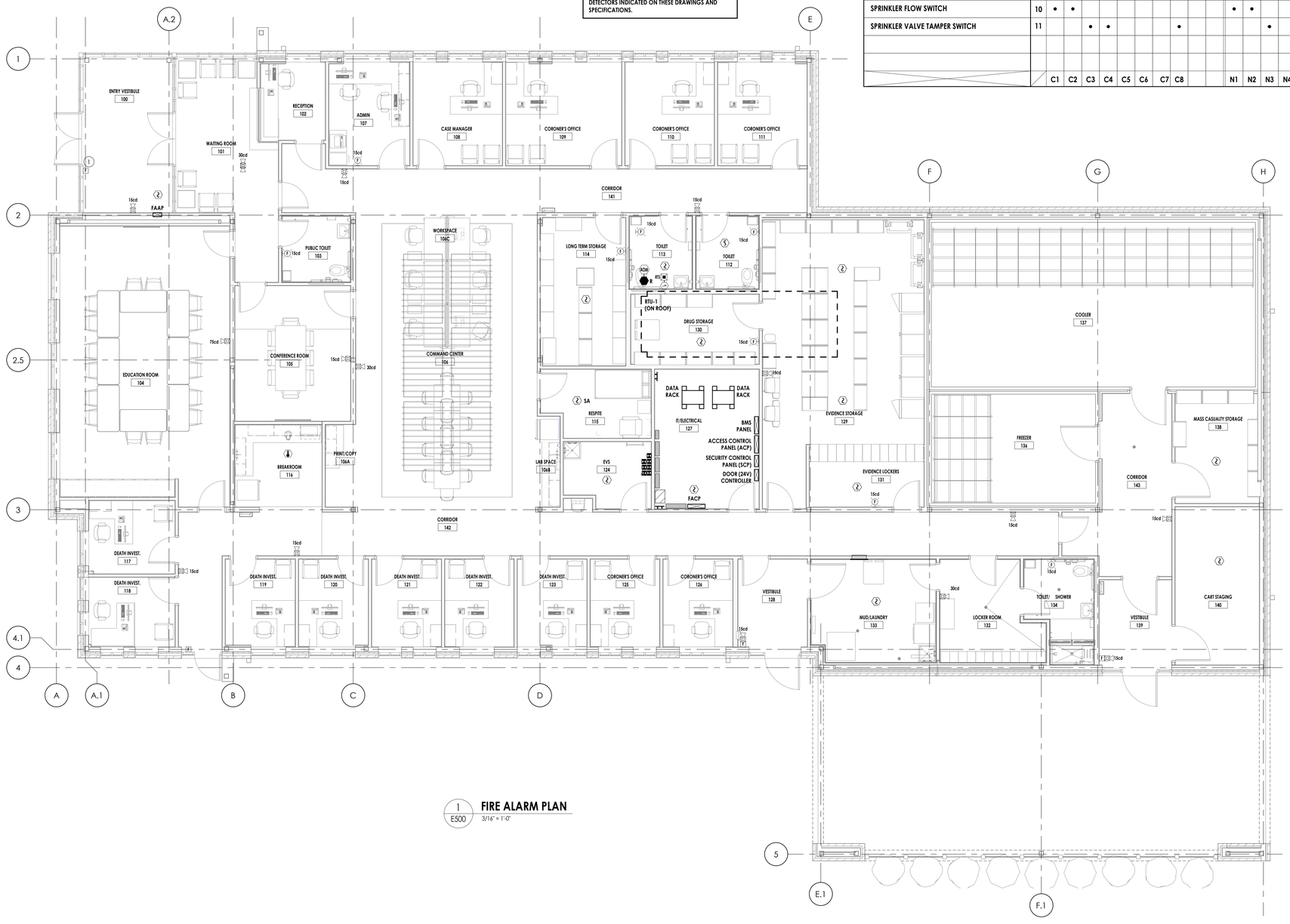
THE FIRE ALARM WORK SHOWN ON DRAWINGS IS FOR REFERENCE ONLY - THE FIRE ALARM SUBCONTRACTOR MUST SUBMIT FOR A SEPARATE BUILDING PERMIT WITH THE COUNTY FOR ANY WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM, INCLUDING, BUT NOT LIMITED TO, DUCT DETECTORS INDICATED ON THESE DRAWINGS AND SPECIFICATIONS.

FIRE ALARM SYSTEM OPERATION MATRIX

SYSTEM INPUTS \ SYSTEM OUTPUTS		CONTROL UNIT ANNUNCIATION @ FACP: ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE DISPLAY ALLARED DEVICE LOCATION AND INDIVIDUAL ADDRESS	DISPLAY ANY MESSAGE DESIGNATING MALFUNCTION	NOTIFICATION: ACTIVATE AUDIOVISUAL ALARMS THROUGHOUT FIRE BUILDING	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL RECEIVING STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL RECEIVING STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL RECEIVING STATION	ACTIVATE EXTERIOR ALARM BELL	TRANSMIT TROUBLE SIGNAL TO CENTRAL RECEIVING STATION (1-3 HOUR DELAY)	SHUT DOWN ASSOCIATED FAN SYSTEM	REFER TO NOTE 10	CONTROL: DISPLAY INDIVIDUALLY ALARMED DEVICE AT REMOTE ANNUNCIATOR	DISPLAY INDIVIDUAL SUPERVISORY SIGNAL AT REMOTE ANNUNCIATOR	DISPLAY MALFUNCTION AT REMOTE ANNUNCIATOR	SUPPLEMENTARY: EACH INITIATING DEVICE MUST HAVE INDIVIDUAL ADDRESS	REMARKS
		C1	C2	C3	C4	C5	C6	C7	C8	N1	N2	N3	N4	N5	N6	F1	F2	S1	S2	R1		
MANUAL PULL STATION	1	•	•					•		•	•					•	•	•		•		1
SMOKE DETECTOR	2	•	•					•		•	•					•	•	•		•		2
DUCT SMOKE DETECTOR	3			•	•			•				•				•	•	•		•		3
HEAT DETECTOR	4	•	•					•		•	•					•	•			•		4
FIRE ALARM AC POWER FAILURE	5					•	•		•				•		•				•			5
FIRE ALARM SYSTEM LOW BATTERY	6					•	•		•				•						•			6
OPEN CIRCUIT	7					•	•		•				•						•			7
GROUND FAULT	8					•	•		•				•						•			8
NOTIFICATION APPLIANCE SHORT	9					•	•		•				•						•			9
SPRINKLER FLOW SWITCH	10	•	•							•	•			•		•	•	•		•		10
SPRINKLER VALVE TAMPER SWITCH	11			•	•			•				•						•		•		11
		C1	C2	C3	C4	C5	C6	C7	C8	N1	N2	N3	N4	N5	N6	F1	F2	S1	S2	R1		

MATRIX NOTES:

1. ADDRESSABLE SIGNAL LINE CIRCUITS (SLC'S) ARE PERMITTED TO SERVE MULTIPLE FLOOR SECTIONS, OR MORE THAN ONE BUILDING AREA, IF PERMITTED BY QUANTITY OF DEVICES AND REQUIRED SPARE CAPACITY.
2. IF ANY SLC SERVES MORE THAN ONE FLOOR OR AREA, INSTALL AN ISOLATION MODULE AT THE TERMINAL CABINET ON EACH FLOOR.
3. PROVIDE ADDITIONAL ISOLATION MODULES (OR ISOLATOR BASES) ON EACH ADDRESSABLE SLC AS REQUIRED.
4. PROVIDE ALL WIRING NECESSARY FOR A COMPLETE SYSTEM. VERIFY WIRING REQUIREMENTS WITH SYSTEM MANUFACTURER PRIOR TO SUBMITTING FINAL BID. CONTACT ARCHITECT-ENGINEER IF ANY DISCREPANCIES ARE FOUND, AT LEAST 8-DAYS PRIOR TO BIDDING.
5. REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION.
6. PROVIDE ADDITIONAL CONDUIT AND PULL BOXES AS REQUIRED BY DEVICES. WIRING FOR HORNS AND STROBES SHALL BE RUN IN SEPARATE CONDUIT FROM WIRING FOR ALARM INITIATING DEVICES.
7. CONNECT ALL CABLE SHIELDS TOGETHER. INSULATE AND TERMINATE THEM AT MAIN FIRE ALARM CONNECTION ONLY, AS DIRECTED BY SYSTEM MANUFACTURER.
8. 'T' TAPS ARE NOT ALLOWED.
9. ADDRESSABLE DEVICES SHALL NOT BE INSTALLED IN UNCONDITIONED SPACES.
10. EACH DUCT SMOKE DETECTOR SHALL BE PROVIDED WITH REMOTE ALARM INDICATING LIGHT AND KEY TEST SWITCH IN ADDITION TO RELAY MODULES TO BE USED BY HVAC CONTROLS CONTRACTOR.



1 E500 **FIRE ALARM PLAN**
3/16" = 1'-0"

GENERAL NOTES:

A. FOR EACH DUCT SMOKE DETECTOR INDICATED, PROVIDE REMOTE TEST STATION (RTS) MOUNTED FLUSH IN ACCESSIBLE CEILING NEAR DETECTOR. GROUP RTS'S WHERE POSSIBLE. LABEL WITH ADDRESS AND DAMPER CONTROLLED.

B. SMOKE DETECTORS SHALL BE PLACED A MINIMUM OF 3'-0 FROM MECHANICAL AIR SUPPLY AND RETURN DIFFUSERS.

C. MANUAL PULL STATIONS TO BE INSTALLED NO MORE THAN 5' FROM EXTERIOR DOORS AND ENTRANCE TO STAIRWELLS.

D. REFER TO DETAILS ON E800 SHEET.

(X) **PLAN NOTES:**

1. COORDINATE MOUNTING ON MULLION FOR PULL STATION. PROVIDE SLIM STYLE MULLION DESIGNED TO MOUNT ON MULLION.

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PROJECT INFORMATION

Project Number: R23.01309.00

Client Name: YORK COUNTY

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PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
A	12/20/2024	PLAN REVIEW COMMENTS

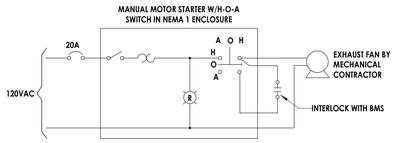
PROFESSIONAL STAMPS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 20444 08/27/2024 MICHAEL S. RANEY

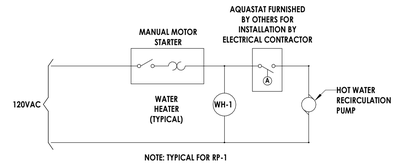
SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: CPL
Checked By: CPL
Drawing Title: ELECTRICAL FIRE ALARM PLAN
Drawing Number: E500

1/15/2025 1:35:55 PM <project location>\2 Design & Project Files on Bim 360



2 E600 **TYPICAL EXHAUST FAN CONTROL SCHEMATIC**
1/2" = 1'-0"



3 E600 **WATER HEATER PUMP CONTROL SCHEMATIC**
1/2" = 1'-0"

GENERAL NOTES:

A. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE.

B. COORDINATE ALL ROUGH-IN LOCATIONS AND ELECTRICAL REQUIREMENTS WITH MECHANICAL EQUIPMENT SUPPLIER AND MANUFACURER'S INSTRUCTIONS PRIOR TO ROUGH-IN.

(X) **PLAN NOTES:**

1. WIRE TO EXHAUST FAN ON ROOF. REFER TO DETAIL ON THIS SHEET.

1 E600 **ELECTRICAL EQUIPMENT CONNECTION PLAN**
3/16" = 1'-0"

CPL | Architecture Engineering Planning
26302 Fairview Road Suite 102.3,
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No. 20444
08/27/2024
MICHAEL S. PARKER

SHEET INFORMATION

Issued
08/27/2024

Scale
As indicated

Project Status
100% CONSTRUCTION DOCUMENTS

Drawn By
CPL

Checked By
CPL

Drawing Title
ELECTRICAL EQUIPMENT CONNECTION PLAN

Drawing Number
E600

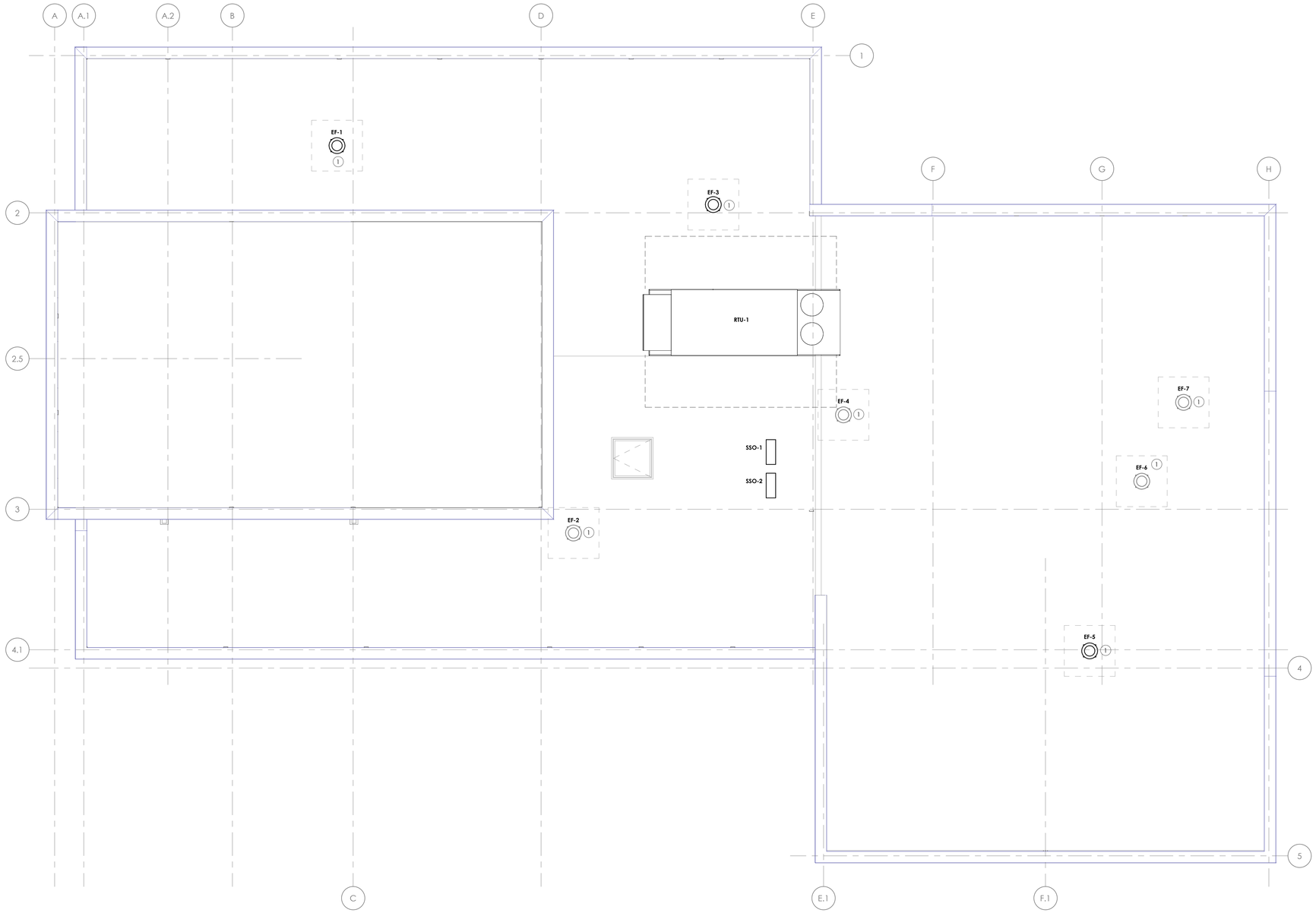
GENERAL NOTES:

A. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE.

B. COORDINATE ALL ROUGH-IN LOCATIONS AND ELECTRICAL REQUIREMENTS WITH MECHANICAL EQUIPMENT SUPPLIER AND MANUFACURER'S INSTRUCTIONS PRIOR TO ROUGH-IN.

(X) **PLAN NOTES:**

1. WIRE BELOW TO MOTOR STARTER IN EVS 124. REFER TO TYPICAL EXHAUST FAN SCHEMATIC ON SHEET E600.



1 / E601 **ROOF MECHANICAL EQUIPMENT CONNECTION PLAN**

3/16" = 1'-0"

CPL | Architecture Engineering Planning
26302 Fairview Road Suite 102.3,
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 20444
08/27/2024
MICHAEL S. RANCK

SHEET INFORMATION

Issued: 08/27/2024
Scale: As indicated
Project Status: 100% CONSTRUCTION DOCUMENTS
Drawn By: CPL
Checked By: CPL
Drawing Title: ELECTRICAL EQUIPMENT CONNECTION ROOF PLAN
Drawing Number: E601

8/28/2024 11:55:17 AM <project location>:D Design_& Project Files on BIM 360

PANEL MDP

VOLTAGE: 208/120 3 PH 4W | AIC RATING: 18K | REMARKS:
FEEDER AMP: 800 | MAINS: 800 MCB | MOUNTING: SURFACE
LUGS: | FEED: BOTTOM | ENCLOSURE: NEMA 1

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
200/3		Panel RPA	15840	1	A	2	5644	Walk-in Freezer		70/3
-	-	-	15360	3	B	4	5644	-	-	-
-	-	-	14292	5	C	6	5644	-	-	-
200/3		Panel RPB	20766	7	A	8	5644	Walk-in Cooler		70/3
-	-	-	22998	9	B	10	5644	-	-	-
-	-	-	20378	11	C	12	5644	-	-	-
200/3		Panel RPC	18158	13	A	14	15659	RTU-1 Circuit #1		200/3
-	-	-	16754	15	B	16	15659	-	-	-
-	-	-	15218	17	C	18	15659	-	-	-
100/3		Future Panel RPD	0	19	A	20	7493	RTU-2 Circuit #2		80/3
-	-	-	0	21	B	22	7493	-	-	-
-	-	-	0	23	C	24	7493	-	-	-
60/3		Panel LS	750	25	A	26	3362	Incinerator		50/3
-	-	-	400	27	B	28	3362	-	-	-
-	-	-	200	29	C	30	3362	-	-	-
			0	31	A	32	0			
			0	33	B	34	0			
			0	35	C	36	0			
			0	37	A	38	0			
			0	39	B	40	0			
			0	41	C	42	0			

Connected Load Per Phase | PH A: 93316 | PH B: 93314 | PH C: 87890

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	9150	156368	10086	60652	33864	0	4400	274520	762.0
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	11438	156368	10086	35326	33864	0	4400	251482	

PANEL LS

VOLTAGE: 208/120 3 PH 4W | AIC RATING: 10K | REMARKS:
FEEDER AMP: 60 | MAINS: 60 MLO | MOUNTING: SURFACE
LUGS: | FEED: | ENCLOSURE: NEMA 1

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1	*EM	EM-Exit Signs	50	1	A	2	500	FACP	FA,LO	20/1
20/1	*EM	EM-Emergency Lights	200	3	B	4	200	Fire Alarm Sprinkler Bell	FA,LO	20/1
20/1	*EM	EM-Emergency Lights	200	5	C	6	0	Spare		20/1
20/1	*EM	EM-Ext. Emergency Lights	200	7	A	8	0	Spare		20/1
20/1		Spare	0	9	B	10	0	Spare		20/1
20/1		Spare	0	11	C	12	0	Spare		20/1
20/1		Prepared Space	0	13	A	14	0	Prepared Space		20/1
20/1		Prepared Space	0	15	B	16	0	Prepared Space		20/1
20/1		Prepared Space	0	17	C	18	0	Prepared Space		20/1
20/1		Prepared Space	0	19	A	20	0	Prepared Space		20/1
20/1		Prepared Space	0	21	B	22	0	Prepared Space		20/1
20/1		Prepared Space	0	23	C	24	0	Prepared Space		20/1

Connected Load Per Phase | PH A: 750 | PH B: 400 | PH C: 200

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	650	0	0	0	0	0	700	1350	3.7
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	813	0	0	0	0	0	700	1513	4.2

PANEL RPA

VOLTAGE: 208/120 3 PH 4W | AIC RATING: 10K | REMARKS:
FEEDER AMP: 200 | MAINS: 200 MLO | MOUNTING: SURFACE
LUGS: | FEED: | ENCLOSURE: NEMA 1

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1		Rec-Vest, Wtg Rm, Reception	1620	1	A	2	900	Rec-Wkspc, CommdCtr, Prnt/Cpy		20/1
20/1		Rec-Reception Printer	500	3	B	4	1500	Copier-Print/Copy 106A		20/1
20/1		Rec-Admin 107, Corridor 141	1620	5	C	6	1620	Rec/Floorbox-Workspace		20/1
20/1		Rec-Admin 107 Copier	1500	7	A	8	1440	Floorbox-Workspace		20/1
20/1		Rec-Case Manager 108	1080	9	B	10	900	Rec/Floorbox-Command Center		30/1
20/1		Rec-Coroner's Office 109	1260	11	C	12	1500	Refrig-Lab Space 106B		20/1
20/1		Rec-Coroner's Office 110	1080	13	A	14	360	Rec-Lab Space 106B Counter		20/1
20/1		Rec-Coroner's Office 111, Corr 141	1260	15	B	16	900	Rec-Respite, EVS, IT/Electrical		20/1
20/1		Rec-Education Room 104	1440	17	C	18	500	EWC		20/1
20/1		Rec-Education Room 104	1080	19	A	20	500	Door (24VDC) Controller		20/1
20/1		Rec-Education Room 104	720	21	B	22	500	Security Control Panel (SCP)		20/1
20/1		Rec-Conference 105	1260	23	C	24	500	Access Control Panel (ACP)		20/1
20/1		Microwave-Breakroom 116	1500	25	A	26	500	Building Management System (BMS)		20/1
20/1		Coffee-Breakroom 116	1500	27	B	28	500	Gate Power		20/1
20/1		Rec-Breakroom 116 Counter	360	29	C	30	1000	Rec-Data Rack		30/1
20/1		Rec-Breakroom 116 Counter	360	31	A	32	1000	Rec-Data Rack		30/1
20/1	G	Refrig-Breakroom 116	1500	33	B	34	1000	Rec-Data Rack		30/1
20/1		EF-1 & EF-3	432	35	C	36	1000	Rec-Data Rack		30/1
20/1		Lighting	1200	37	A	38	1000	Rec-Data Rack		20/1
20/1		Lighting	1200	39	B	40	1000	Rec-Data Rack		20/1
20/1		Lighting	1200	41	C	42	0	Spare		20/1
20/1		Lighting	1200	43	A	44	0	Spare		20/1
20/1		Lighting	1200	45	B	46	0	Spare		20/1
20/1		Exterior Lighting	600	47	C	48	0	Prepared Space		
20/1		Exterior Lighting	600	49	A	50	0	Prepared Space		
20/1		Exterior Sign Lights	100	51	B	52	0	Prepared Space		
		Prepared Space	0	53	C	54	0	Prepared Space		

Connected Load Per Phase | PH A: 15840 | PH B: 15360 | PH C: 14292

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	7300	0	0	35692	0	0	2500	45492	126.3
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	9125	0	0	22846	0	0	2500	34471	95.7

PANEL RPB

VOLTAGE: 208/120 3 PH 4W | AIC RATING: 10K | REMARKS:
FEEDER AMP: 200 | MAINS: 200 MLO | MOUNTING: SURFACE
LUGS: | FEED: | ENCLOSURE: NEMA 1

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1		Rec-Death Invest. 117	900	1	A	2	1664	SSI-1/SSO-1		25/2
20/1		Rec-Death Invest. 118, Exterior	1080	3	B	4	1664	-	-	-
20/1		Rec-Death Invest. 119, Corr. 142	1080	5	C	6	1664	SSI-2/SSO-2		25/2
20/1		Rec-Death Invest. 120	900	7	A	8	1664	-	-	-
20/1		Rec-Death Invest. 121	900	9	B	10	3561	FPVAV-02 & FPVAV-03		40/3
20/1		Rec-Death Invest. 122, Corr. 142	1080	11	C	12	3561	-		-
20/1		Rec-Death Invest. 123	900	13	A	14	3561	-		-
20/1		Rec-Coroner's Office 125	900	15	B	16	2517	FPVAV-04 & FPVAV-05		30/3
20/1		Rec-Coroner's Office 126, Vest., Ext	1260	17	C	18	2517	-		-
20/1		Rec-Corr. 143,Cart Stg, Mass Cas.	1440	19	A	20	2517	-		-
20/1		Rec-Ev.Lcks,Ev.Stor,D.Stor,Toilets	1080	21	B	22	2190	FPVAV-07		30/3
20/1		Freezer-Evidence Storage 129	1500	23	C	24	2190	-		-
20/1		Refrig-Evidence Storage 129	1000	25	A	26	2190	-		-
20/1		Refrig-Evidence Storage 129	1000	27	B	28	2526	FPVAV-06		40/3
20/1		Freezer-Evidence Storage 129	1500	29	C	30	2526	-		-
20/1		Printer-Evidence Storage 129	1000	31	A	32	2526	-		-
20/1		Rec-Long Term Storage 114	1080	33	B	34	4500	WH-1		60/1
20/1		Copier-Long Term Storage 114	900	35	C	36	600	RP-1		20/1
20/1		Spare	0	37	A	38	504	EF-2 & EF-4		20/1
20/1		Spare	0	39	B	40	0	Spare		20/1
20/1		Spare	0	41	C	42	0	Spare		20/1
20/1		Spare	0	43	A	44	0	Spare		20/1
		Prepared Space	0	45	B	46	0	Prepared Space		
		Prepared Space	0	47	C	48	0	Prepared Space		
		Prepared Space	0	49	A	50	0	Prepared Space		
		Prepared Space	0	51	B	52	0	Prepared Space		

Connected Load Per Phase | PH A: 20766 | PH B: 22998 | PH C: 20378

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	0	44642	0	19500	0	0	0	64142	178.0
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	0	44642	0	14750	0	0	0	59392	164.9

PANEL RPC

VOLTAGE: 208/120 3 PH 4W | AIC RATING: 10K | REMARKS:
FEEDER AMP: 200 | MAINS: 200 MLO | MOUNTING: SURFACE
LUGS: FEED-THRU | FEED: | ENCLOSURE: NEMA 1

BKR	NOTE	LOAD DESCRIPTION	VA	CKT	PHASE	CKT	VA	LOAD DESCRIPTION	NOTE	BKR
20/1		Drying Mach-Mud/Laundry	600	1	A	2	2030	VAV-01, VAV-03, VAV-04		25/2
			0	3	B	4	2030	-	-	-
30/2		Dryer-Mud/Laundry	1500	5	C	6	2030	-	-	-
-		-	1500	7	A	8	2030	VAV-02, VAV-05, VAV-06		25/3
20/1	G	Washer-Mud/Laundry	1500	9	B	10	2030	-	-	-
20/1		Rec-Rooftop	360	11	C	12	2030	-	-	-
20/1		Walk-in Cooler/Freezer Lights	1200	13	A	14	2190	FPVAV-09		30/3
20/1		Walk-in Heated Door/vent	1200	15	B	16	2190	-		-
20/1		Spare	0	17	C	18	2190	-		-
20/1		Spare	0	19	A	20	3458	FPVAV-01 & FPVAV-08		40/3
20/1		Spare	0	21	B	22	3458	-		-
20/1		Spare	0	23	C	24	3458	-		-
20/1		Spare	0	25	A	26	3650	FPVAV-10 & FPVAV-11		40/3
20/1		Spare	0	27	B	28	3650	-		-
20/1		Spare	0	29	C	30	3650	-		-
20/1		Spare	0	31	A	32	1500	WH-2		20/1
20/1		Spare	0	33	B	34	696	EF-5, EF-6 & EF-7		20/1
20/1		Spare	0	35	C	36	0	Spare		20/1
		Prepared Space	0	37	A	38	0	Prepared Space		
		Prepared Space	0	39	B	40	0	Prepared Space		
		Prepared Space	0	41	C	42	0	Prepared Space		

Connected Load Per Phase | PH A: 18158 | PH B: 16754 | PH C: 15218

	Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc	Total VA	Amps
Connected VA	1200	42270	0	5460	0	0	1200	50130	139.2
Demand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00		
Demand VA	1500	42270	0	5460	0	0	1200	50430	140.0

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

UNIT			LOAD INFORMATION						
TAG	DESCRIPTION	LOCATION	POWER SOURCE	MCA	VOLTS	PHASE	MINIMUM BRANCH CIRCUIT CONDUCTORS	CIRCUIT BREAKER	SCOPE OF WORK REQUIRED
EF-1	EXHAUST FAN	ROOF (TOILET 103)	RPA	2.0	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
EF-2	EXHAUST FAN	ROOF (EVS 124)	RPB	2.0	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
EF-3	EXHAUST FAN	ROOF (TOILETS 112,113)	RPA	2.0	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
EF-4	EXHAUST FAN	ROOF (STORAGE 129,130,131)	RPB	2.6	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
EF-5	EXHAUST FAN	ROOF (LOCKER RMS 132,133,135)	RPC1	2.6	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
EF-6	EXHAUST FAN	ROOF (CORRIDOR 143	RPC1	2.0	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
EF-7	EXHAUST FAN	ROOF (STORAGE 138)	RPC1	2.0	120	1	2#12, #12G; 1/2"C	1P-15A	1,2
FPVAV-01	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	OFFICE 122	RPC1	17.6	208	3	3#12, #12G; 1/2"C	3P-20A	1,4
FPVAV-02	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	OFFICE 110	RPB	21.1	208	3	3#10, #10G; 1/2"C	3P-25A	1,4
FPVAV-03	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	OFFICE 107	RPB	10.7	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
FPVAV-04	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	WAITING 101	RPB	10.7	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
FPVAV-05	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	WAITING 101	RPB	12.4	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
FPVAV-06	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	STORAGE 114	RPB	26.3	208	3	3#10, #10G; 1/2"C	3P-30A	1,4
FPVAV-07	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	EDUCATION 104	RPB	22.8	208	3	3#10, #10G; 1/2"C	3P-25A	1,4
FPVAV-08	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	STORAGE 129	RPC1	16.0	208	3	3#12, #12G; 1/2"C	3P-20A	1,4
FPVAV-09	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	CORRIDOR 142	RPC1	22.8	208	3	3#10, #10G; 1/2"C	3P-25A	1,4
FPVAV-10	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	CORRIDOR 143	RPC1	16.0	208	3	3#12, #12G; 1/2"C	3P-20A	1,4
FPVAV-11	FAN POWERED PARALLEL BOX W/ ELECTRIC HEAT	FREEZER 136	RPC1	16.0	208	3	3#12, #12G; 1/2"C	3P-20A	1,4
RP-1	RECIRCULATION PUMP	EVS 124	RPB	5.5	120	1	2#12, #12G; 1/2"C	1P-15A	3
RTU-1A	ROOFTOP UNIT CIRCUIT #1	ROOF	MDP	163.0	208	3	3#3/0, #6; 2"C	3P-200A	1,5
RTU-1B	ROOFTOP UNIT CIRCUIT #2	ROOF	MDP	78.0	208	3	3#2, #8G; 1-1/4"C	3P-80A	1,5
SSI-1	DUCTLESS SPLIT SYSTEM UNIT	ROOF (IT/ELECTRICAL 127)	RPB	20.0	208	1	2#10, #10G; 1/2"C	2P-25A	3,6,7
SSI-2	DUCTLESS SPLIT SYSTEM UNIT	ROOF (IT/ELECTRICAL 127)	RPB	20.0	208	1	2#10, #10G; 1/2"C	2P-25A	3,6,7
VAV-01	SINGLE DUCT VAV TERMINAL UNIT W/ ELECTRIC HEAT	CONFERENCE 105	RPC1	5.2	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
VAV-02	SINGLE DUCT VAV TERMINAL UNIT W/ ELECTRIC HEAT	CONFERENCE 105	RPC1	5.2	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
VAV-03	SINGLE DUCT VAV TERMINAL UNIT W/ ELECTRIC HEAT	CORRIDOR 142	RPC1	5.2	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
VAV-04	SINGLE DUCT VAV TERMINAL UNIT W/ ELECTRIC HEAT	OFFICE 117	RPC1	5.2	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
VAV-05	SINGLE DUCT VAV TERMINAL UNIT W/ ELECTRIC HEAT	STORAGE 114	RPC1	3.5	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
VAV-06	SINGLE DUCT VAV TERMINAL UNIT W/ ELECTRIC HEAT	OFFICE 111	RPC1	5.2	208	3	3#12, #12G; 1/2"C	3P-15A	1,4
WH-1	WATER HEATER	EVS 124	RPB	46.9	120	1	2#4, #10G; 1"C	1P-60A	3
WH-2	WATER HEATER	MUD/LAUNDRY 133	RPC1	15.7	120	1	2#12, #12G; 1/2"C	1P-20A	3

SCOPE OF WORK NOTES:

1. DISCONNECT SWITCH FURNISHED WITH EQUIPMENT.
2. PROVIDE MANUAL MOTOR STARTER WITH H-O-A SWITCH AND PILOT LIGHT.
3. PROVIDE DISCONNECT SWITCH.
4. PROVIDE 120V CONTROL POWER AS REQUIRED.
5. VFD FURNISHED WITH EQUIPMENT.
6. INDOOR UNIT IS POWERED THROUGH OUTDOOR UNIT.
7. WIRE INTEGRAL CONDENSATE PUMP THROUGH OUTDOOR UNIT.

PANEL GENERAL NOTES:

A. PROVIDE TYPEWRITTEN PANEL DIRECTORY TO REFLECT CONDITIONS UPON COMPLETION OF WORK DESCRIBED IN THESE DRAWINGS.

B. PANEL SCHEDULES REFLECT STATUS AFTER PROPOSED WORK IS COMPLETE.

PANEL SCHEDULE NOTES:

G GROUND FAULT CIRCUIT INTERRUPTER BREAKER (GFCI)

FA PROVIDE RED COLOR HANDLE

LO PROVIDE HANDLE LOCK FOR BREAKER

ST PROVIDE SHUNT TRIP BREAKER

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PROJECT INFORMATION

Project Number
R23.01309.00

Client Name
YORK COUNTY

Project Name
CORONER'S FACILITY - YCE
PROJECT #20312

Project Address
1555 WEST MAIN STREET, ROCK HILL, SC 29745

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description

PROFESSIONAL STAMPS

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 20444
08/27/2024
MICHAEL S. RANKIN

SHEET INFORMATION

Issued: 08/27/2024
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