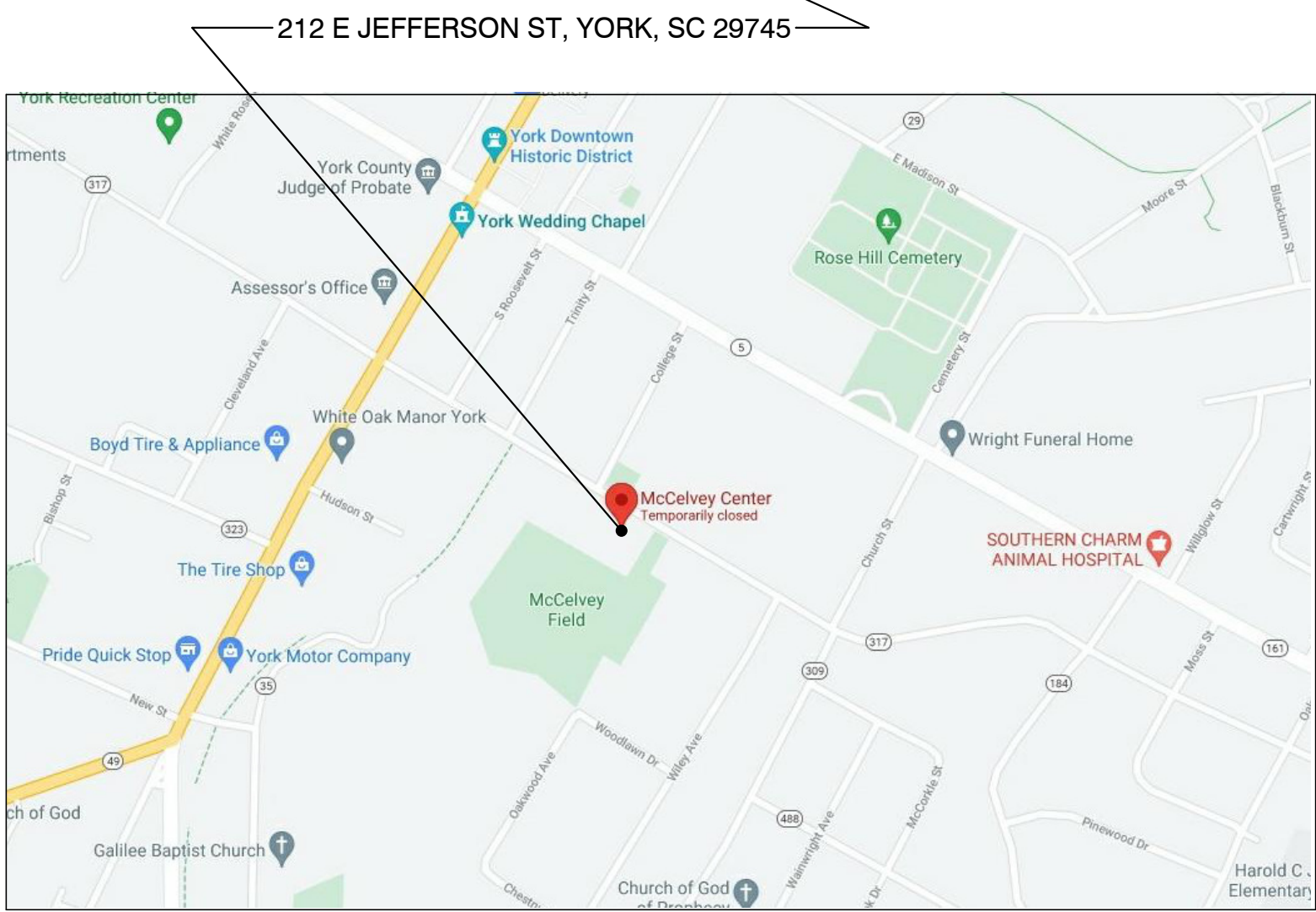
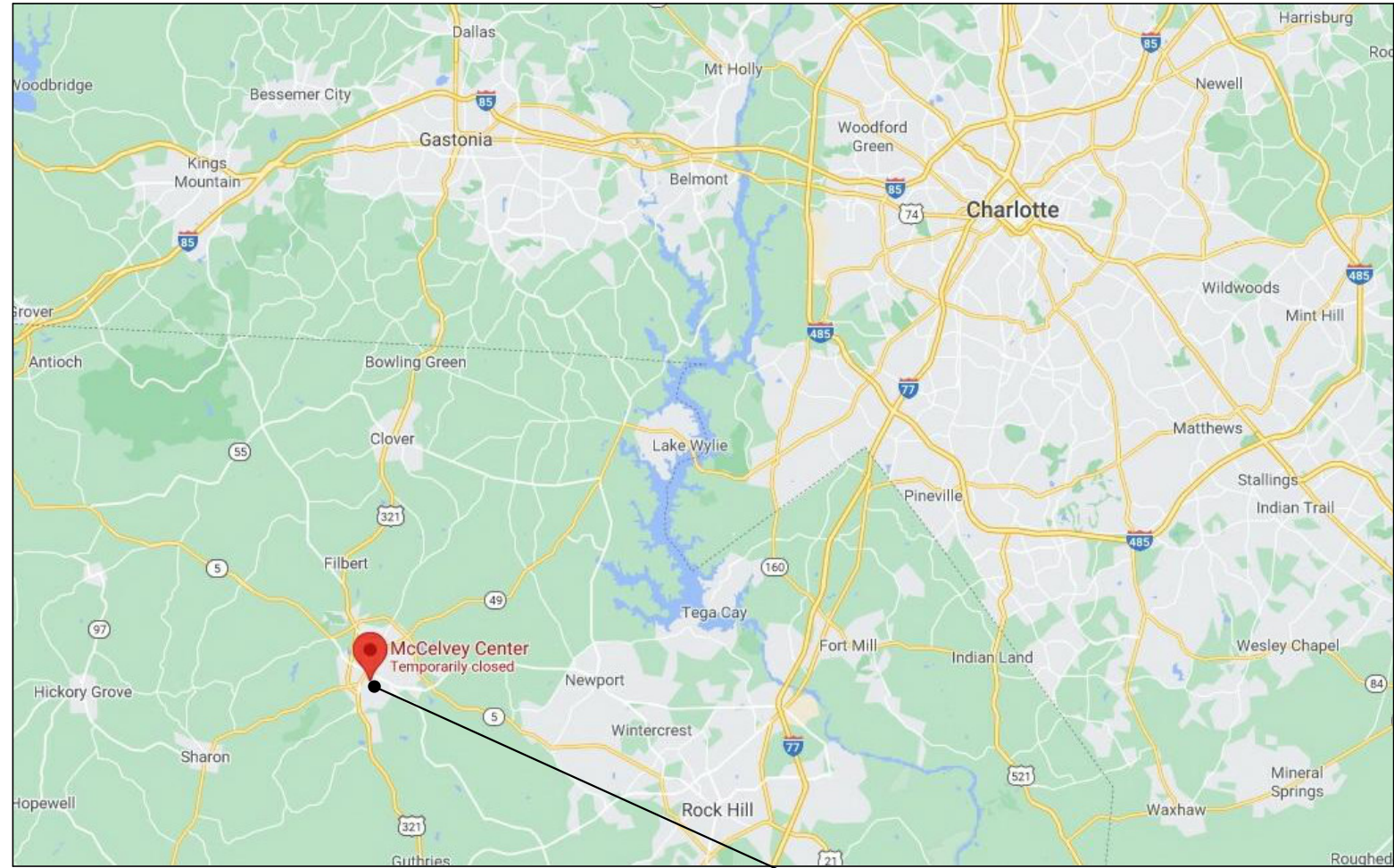


# McCelvey Center - York

212 E JEFFERSON ST, YORK, SC 29745



**1 Location Plan**  
Scale: None

SHEET TITLE	SHEET #	REVISION
GENERAL NOTES	S001	
SEQUENCE	S002	
SHORING	SH100	
SHORING	SH101	
SHORING	SH102	
SHORING	SH300	
SHORING	SH301	
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SHORING	SH501	
DISASSEMBLY DETAILS	SD500	
BASEMENT PLAN	S100	
STAGE & AUDITORIUM PLAN	S101	
STAGE REFLECTED CEILING PLAN	S102	
ATTIC FRAMING PLAN	S103	
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ELEVATIONS	S201	
ELEVATION	S202	
BUILDING SECTION	S301	
BUILDING/TRUSS SECTION	S302	
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INTERIOR WALL ELEVATIONS	S401	
INTERIOR WALL ELEVATION	S402	
DETAILS	S501	
DETAILS	S502	
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DETAILS	S504	
DETAILS	S505	
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DETAILS	S507	
DETAILS	S508	

**GENERAL NOTES:**

- SCOPE OF WORK**  
THE WORK OF THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO:
- PROTECTION OF FINISHES IN THE AUDITORIUM AND THROUGH ANY ACCESS TO THE AUDITORIUM.
  - INSTALLATION OF A WORK PLATFORM AT THE TOP OF THE SHORING FOR THE FIVE TRUSSES.
  - REMOVAL OF MILLWORK FROM BENEATH THE TRUSSES (LIMITED REMOVAL IN AUDITORIUM).
  - LIFTING OF ALL FIVE TRUSSES.
  - INSTALLATION OF A PLYWOOD DIAPHRAGM ON THE ATTIC FLOOR ABOVE THE STAGE.
  - INSTALLATION OF TEMPORARY LVL BOX BEAMS AND THROUGH RODS UNDER THE NEW DIAPHRAGM, FOR USE AS ANCHORAGE POINTS FOR TYING OF THE MASONRY WALLS SURROUNDING THE STAGE.
  - PULLING BACK IN OF THE EAST, SOUTH, AND WEST EXTERIOR BRICK MASONRY WALLS SURROUNDING THE STAGE AND SECURING OF THOSE WALLS.
  - STRENGTHENING OF MASONRY WALLS WITH STEEL VERTICAL MEMBERS AT THE STAGE.
  - INSTALLATION OF LVL SISTERS ON EACH SIDE OF EACH TRUSS AS INDICATED ON THE DRAWINGS. NOTE THAT THE BOTTOM CHORD LVLS OF THE STAGE TRUSS MUST BE CONTINUOUS FROM ONE END TO THE OTHER.
  - INSTALLATION OF STEEL PLATES AT TRUSS CONNECTIONS.
  - REINSTALLATION OF THE MILLWORK UNDER THE TRUSSES AND REPAIR OF ANY FINISH DAMAGE ON THE MILLWORK.
  - REMOVAL OF TEMPORARY MEMBERS AND REPAIR OF ALL FINISHES WITHIN THE AUDITORIUM AND THE STAGE AREA.
  - LIMITED REPOINTING ON THE EXTERIOR STAGE WALLS.
  - INTERIOR REPAINTING OF THE AUDITORIUM AND STAGE.
  - REINSTALLATION OF ANY EQUIPMENT AND FURNISHINGS REMOVED FOR THE CONSTRUCTION WORK.
  - FINAL CLEANING.

**GENERAL:**  
WORK ON THIS HISTORIC BUILDING REQUIRES EXTRAORDINARY CARE. DURING ALL PHASES OF STRUCTURAL WORK, PRESERVE AND PROTECT ALL OF THE ELEMENTS OF THE BUILDING NOT SPECIFICALLY CALLED OUT FOR REMOVAL. THE BUILDING ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO, EXISTING MILLWORK, STRUCTURAL WOOD, MASONRY, GLASS, IRONWORK, LIGHTING, CURTAINS, AND DECORATIVE FINISHES.

STRUCTURAL WORK MAY REQUIRE DISASSEMBLY OF ADDITIONAL BUILDING ELEMENTS INCLUDING BUT NOT LIMITED TO MECHANICAL SYSTEMS, LIGHTING, ELECTRICAL SYSTEMS, MASONRY, MILLWORK, PLASTER, PLUMBING, SECURITY SYSTEMS, IT SYSTEMS, AND FIRE SUPPRESSIONS ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE WHAT MUST BE REMOVED OR TEMPORARILY RELOCATED AND WHAT MUST BE MAINTAINED IN SERVICE. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE THESE SYSTEMS OR BUILDING ELEMENTS AS PART OF THIS PROJECT.

THE AUDITORIUM AND STAGE AREA OF THIS BUILDING WILL NOT REMAIN IN USE DURING THE ENTIRE CONSTRUCTION PERIOD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL WORK WITH THE BUILDING OCCUPANTS AND TO MAINTAIN ALL LIFE SAFETY SYSTEMS INCLUDING MEANS OF EGRESS.

NOTE THAT ALL SLOPES AND ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SLOPES, AND ELEVATIONS PRIOR TO ANY FABRICATION. NOTE THAT THE UNDERLAY DRAWING OF THE EXISTING STRUCTURE IS BASED ON SCANS TAKEN IN MARCH 2022 AND THAT THE ACCURACY OF THESE SCANS IS NOT GUARANTEED. THE CURRENT SCOPE OF WORK IS NOTED IN BOLD BLACK.

THE CONTRACTOR IS REQUIRED TO HAVE A FULL SET OF CONSTRUCTION DOCUMENTS ON SITE AND READILY AVAILABLE AT ALL TIMES (BOTH DRAWINGS AND SPECIFICATIONS).

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO THOROUGHLY CLEAN ALL ELEMENTS OF THE BUILDING UPON COMPLETION OF THE WORK OF THIS PROJECT. CLEAN AND RETURN TO ORIGINAL CONDITION ALL AREAS USED FOR LAY DOWN, STORAGE, AND CONSTRUCTION OPERATIONS DURING THE STRUCTURAL WORK. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

IT IS THE RESPONSIBILITY OF THE OWNER TO DETERMINE WHETHER OR NOT ANY HAZARDOUS MATERIALS ARE PRESENT IN THE AREAS IN WHICH WORK IS CONDUCTED.

- REQUIRED SUBMITTALS**  
THE FOLLOWING SUBMITTALS ARE REQUIRED BY THE ENGINEER-OF-RECORD:
- CONSTRUCTION SEQUENCING.
  - SHORING AND SHORING SEQUENCE. (SEALED BY A PE REGISTERED IN SC).
  - SHOP DRAWINGS.
  - ALL MATERIAL SUBMITTALS.
  - SEE SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS.

**CONSTRUCTION SEQUENCE**  
CONTRACTOR SHALL SUBMIT CONSTRUCTION SEQUENCE TO ENGINEER-OF-RECORD FOR REVIEW PRIOR TO CONSTRUCTION.

**SCAFFOLDING BRACING AND SHORING**  
CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, SCAFFOLDING, AND TEMPORARY SUPPORTS, ETC.

CONTRACTOR IS REQUIRED TO HIRE A BRACING AND SHORING ENGINEER TO DESIGN ALL SCAFFOLDING, BRACING, AND SHORING FOR THIS PROJECT. DESIGN CALCULATIONS AND WORKING DRAWINGS OF ALL PROPOSED SHORING OF THE STRUCTURE SHALL BE PREPARED, STAMPED, AND SIGNED BY A PE REGISTERED IN SOUTH CAROLINA. THE ENGINEER OF RECORD SHALL OBSERVE ALL BRACING AND SHORING AND APPROVE PRIOR TO ANY SELECTIVE DEMOLITION OR CONSTRUCTION. SEE SPECIFICATION SECTION 021500 "BRACING AND SHORING" FOR ADDITIONAL REQUIREMENTS.

THERE IS SHORING CURRENTLY IN-PLACE SUPPORTING TRUSS 1. SEE BENNETT PRESERVATION ENGINEERING PC SHORING DRAWINGS. MCCELVEY CENTER - FULL SHORING. THE GC MAY ASSUME RESPONSIBILITY FOR THE SHORING CURRENTLY IN-PLACE OR MAY REMOVE IT AT THEIR EXPENSE AND INSTALL NEW SHORING.

EXISTING SHORING AT TRUSS 1 MUST BE EXTENDED VERTICALLY TO SUPPORT TRUSS 1 AT THE TOP CHORD AT THE 3 INTERIOR SHORING TOWERS.

**MASONRY**  
SEE SPECIFICATION SECTION 041000 "MORTARS" AND SECTION 045200 "REPOINTING, REMOVING, AND REPLACING BRICK MASONRY" FOR ALL HISTORIC MASONRY WORK THAT MAY BE REQUIRED TO COMPLETE STRUCTURAL REPAIRS AS INDICATED.

**STEEL**  
ALL NEW STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL COMPLY WITH THE REQUIREMENTS OF ASTM SPECIFICATION A36 AND FOR HSS COMPLY WITH A500, GRADE B OR C, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION, COMPLYING WITH ASTM A123/A123M AND TOUCHED UP AFTER INSTALLATION, AND FULLY COATED WITH THE SPECIFIED COATING SYSTEM, ALL SIDES, WHERE IN CONTACT WITH BRICK MASONRY. ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF THE AISC 360-10, AISC 341-10, AND WITH AWS D1.1.

ALL STEEL IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL TYPE 304, 304L, 316, OR 316L, UNLESS OTHERWISE INDICATED.

AT ANY LOCATION WHERE HOT DIP GALVANIZED STEEL IS IN CONTACT WITH STAINLESS STEEL, CAST IRON, OR ANY OTHER DISSIMILAR METAL, METALS MUST BE ELECTRICALLY ISOLATED WITH A TEFLON PAD OR SIMILAR.

BOLTS FOR STEEL TO STEEL CONNECTIONS SHALL COMPLY WITH REQUIREMENTS OF ASTM A325 AND SHALL BE HOT DIP GALVANIZED, UNLESS NOTED OTHERWISE.

BOLTS AND NUTS: REGULAR HEXAGON-HEAD BOLTS, ASTM A307, GRADE A, WITH HEX NUTS, ASTM A563, AND WHERE INDICATED, FLAT WASHERS AND SHALL BE HOT DIP GALVANIZED, UNLESS NOTED OTHERWISE.

SEE SPECIFICATION SECTION 055000 "METAL FABRICATIONS" FOR ADDITIONAL REQUIREMENTS, INCLUDING SURFACE PREPARATION, STANDARDS FOR HOT DIP GALVANIZING, AND REQUIRED TOUCH-UP AFTER INSTALLATION. SEE ALSO SPECIFICATION SECTION 099600 "METAL COATINGS" FOR COATING SYSTEM REQUIRED ON ALL HOT DIP GALVANIZED STEEL AND CAST IRON.

WELDING SHALL COMPLY WITH AWS CODE D1.1 AND SHALL BE PERFORMED BY CERTIFIED WELDERS. NO FIELD WELDING OR CUTTING SHALL BE PERMITTED.

**WOOD**  
ALL STRUCTURAL WOOD MEMBERS SHALL MEET THE REQUIREMENTS OF SPIB NO. 1 SOUTHERN PINE OR BETTER OR 2.0E LAMINATED VENEER LUMBER, AS NOTED ON THE DRAWINGS, UNLESS OTHERWISE IDENTIFIED. SEE SPECIFICATION SECTION 061000 ROUGH CARPENTRY.

ALL WOOD IN CONTACT WITH MASONRY, WITHIN 40 INCHES OF THE GROUND, OR OTHERWISE NOTED, SHALL BE PRESSURE TREATED, KILN DRIED AFTER TREATMENT, WITH A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. SEE "ROUGH CARPENTRY" SPECIFICATION FOR RETENTION AND MOISTURE CONTENT. ALL FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL TYPE 304, 304L, 316, OR 316L, UNLESS OTHERWISE INDICATED.

ALL WOOD FASTENINGS SHALL BE PER IBC TABLE 2304.10.1 "FASTENING SCHEDULE" UNLESS OTHERWISE NOTED.

DO NOT CUT ANY ORIGINAL FRAMING WITHOUT SPECIFIC WRITTEN PERMISSION FROM THE EOR PRIOR TO CUTTING.

**METAL COATINGS**  
BRUSH BLASTING AND ADDITIONAL COATINGS ARE REQUIRED FOR ALL HOT DIP GALVANIZED STEEL. ALL ITEMS MUST BE COATED ON ALL SIDES. SEE SPECIFICATION SECTION 099600 "METAL COATINGS" FOR REQUIREMENTS.

**MONITORING**  
MONITORING AND RECORDING DURING ALL LIFTING PROCEDURES IS REQUIRED. CONTACT EOR FOR REQUIREMENTS. EOR IS REQUIRED ONSITE FOR ALL LIFTING.

**FINISHES**  
SEE SPECIFICATIONS FOR INTERIOR FINISH REPAIRS. REPAIR ALL DAMAGED FINISHES. IN ADDITION, FINISH ALL NEW WOOD TO MATCH EXISTING.

**CODE ANALYSIS**  
INTERNATIONAL BUILDING CODE 2021/ ASCE 7-16

**DESIGN CRITERIA**  
2021 INTERNATIONAL BUILDING CODE  
AUDITORIUM/STAGE ROOF LIVE LOAD .....20 PSF  
AUDITORIUM/STAGE ROOF DEAD LOAD .....16 PSF  
AUDITORIUM/STAGE ATTIC LIVE LOAD .....20 PSF  
AUDITORIUM/STAGE CEILING DEAD LOAD .....28 PSF

STAGE LIVE LOAD .....100 PSF  
DRESSING ROOM LIVE LOAD .....80 PSF  
AUDITORIUM LIVE LOAD .....100 PSF  
ASSEMBLY AREAS .....100 PSF  
FIXED SEATING .....60 PSF

WIND .....ULTIMATE DESIGN WIND SPEED: 118 MPH  
.....NOMINAL DESIGN WIND SPEED: 92 MPH  
.....RISK CATEGORY: III  
.....EXPOSURE: B  
.....APPLICABLE PRESSURE COEFFICIENT:  
.....EXTERNAL: +0.80,-0.40,-0.7  
.....INTERNAL: +/- 0.55  
.....GUST: 0.85

SEISMIC .....RISK CATEGORY: III  
.....SEISMIC IMPORTANCE FACTOR: 1.0  
.....Ss: 0.235  
.....S1: 0.088  
.....SITE CLASS: D  
.....SDs: 0.251  
.....SD1: 0.141  
.....SEISMIC DESIGN CATEGORY: C  
.....BASIC SEISMIC FORCE RESISTING SYSTEM:  
.....BEARING WALL SYSTEMS ORDINARY PLAIN  
.....MASONRY SHEAR WALLS  
.....DESIGN BASE SHEAR: N/A  
.....Cs: 0.167  
.....R: 1.5  
.....ANALYSIS PROCEDURE USED:  
.....EQUIVALENT LATERAL FORCE PROCEDURE

ASSUMED MAXIMUM ALLOWABLE SOIL BEARING PRESSURE .....1500 PSF

**SPECIAL INSPECTIONS**  
SEE SPECIAL INSPECTION REQUIREMENTS IN THE PROJECT MANUAL.

HATCH LEGEND	
	STUCCO OR MORTAR
	CONCRETE
	MASONRY

ABBREVIATIONS LEGEND	
&	AND
@	AT
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
DIAM	DIAMETER
EOR	ENGINEER OF RECORD
FTG	FOOTING
HDG	HOT DIP GALVANIZED
HSS	HOLLOW STRUCTURAL SECTION
MPII	MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS
NTS	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
PT	PRESSURE TREATED
SPECS	SPECIFICATIONS
SQ	SQUARE
SQ FT	SQUARE FEET
SS	STAINLESS STEEL
TEMP	TEMPORARY
TYP	TYPICAL

SYMBOLS LEGEND	
	DETAIL NUMBER
	SHEET DRAWN
	DIRECTION OF VIEW
	DETAIL NUMBER
	SHEET DRAWN
	View Name
	Scale: 1/4" = 1'-0"



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase  
100% CONSTRUCTION DOCUMENTS

Job Name  
**McCelvey Center - York**  
Sheet Title  
**GENERAL NOTES**

Date of Issue  
**August 24, 2023**  
Job Number  
**21-018**  
Sheet Number  
**S001**

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

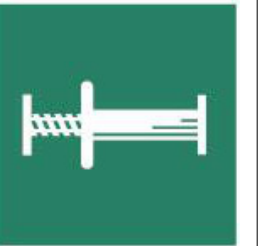
**SEQUENCE FOR LIFTING TRUSS 1 (STAGE TRUSS):**

1. TEMPORARILY DEACTIVATE THE FIRE SUPPRESSION SYSTEM. REMOVE ALL INSULATION OVER THE STAGE AND AUDITORIUM.
2. MARK AND RECORD LOCATIONS OF ALL INTERSECTIONS OF ALL ROOF FRAMING MEMBERS AND TOP PLATES. NOTE: OBJECTIVE HERE IS TO BE ABLE TO DETERMINE WHETHER ANY ROOF FRAMING MEMBERS SLIDE, DURING LIFTING, RELATIVE TO THE TOP PLATES.
3. INSTALL LVL SISTERS AT TOP CHORDS OF TRUSS 1. INSTALL PLATE CONNECTOR AT ALL TOP CONNECTIONS, 3 TOTAL.
4. WITH EOR ON-SITE, LIFT TRUSS 1 APPROXIMATELY 1 INCH TO MAKE SURE ENTIRE LOAD IS IN SHORING SYSTEM. NOTE: GC MUST OBSERVE THE SOUTH ENDS OF THE GIRDERS OVER THE STAGE TO DETERMINE WHETHER THE LIFT CAUSES THE GIRDERS OR ROOF RAFTERS TO SLIDE ON THE TOP OF THE SOUTH WALL.
5. INSTALL THE WESTERNMOST 4 FEET OF THE ATTIC FLOOR PLYWOOD DIAPHRAGM.
6. PULL THE EAST WALL INWARD APPROXIMATELY 1 INCH, PULLING AGAINST THE WEST WALL. LIFT EXISTING STAGE CEILING JOISTS WHILE PULLING THE EAST WALL INWARD.
7. INSTALL PLYWOOD, RODS, AND LVLS TO THE UNDERSIDE OF THE CEILING AT THE NORTH EDGE OF THE STAGE CEILING. LIFT TRUSS 1 AGAIN, PULLING THE SOUTH WALL IN SIMULTANEOUSLY SO THAT THE RAFTERS DO NOT SLIP OFF OF THE TOP PLATE OF THE SOUTH WALL.
8. REPEAT STEPS 5 AND 6, MOVING THE WALLS NO MORE THAN 1 INCH AT A TIME, UNTIL THE MIDDLES OF THE EAST AND WEST WALLS, UNDER TRUSS 1, ARE ONLY AS MUCH OUT OF PLUMB AS THE CORNERS ARE OUT OF PLUMB (APPROXIMATE MOVEMENT: 2 3/8 INCHES ON EAST WALL; 3/4 INCHES ON WEST WALL). CONTINUE BY PULLING THE SOUTH WALL IN UNTIL THE MIDDLE OF SOUTH WALL IS SIMILARLY NO FURTHER OUT OF PLUMB THAN THE SOUTHEAST AND SOUTHWEST CORNERS OF THE BUILDING (APPROXIMATE MOVEMENT: 6 3/8 INCHES ON SOUTH WALL).
9. ONCE ALL 3 WALLS ARE PULLED IN, REATTACH THE LEDGER BOARDS TO THE NORTH-SOUTH GIRDERS AND INSTALL THE REMAINDER OF THE ATTIC FLOOR (STAGE CEILING) DIAPHRAGM ON TOP OF THE ATTIC JOISTS.
10. REPLACE THE TEMPORARY EXTERIOR LVL BOX BEAMS WITH NEW PATRESS PLATES. REMOVE ONLY SECTIONS OF THE BOX BEAM AT A TIME TO INSTALL THE PATRESS PLATES INDIVIDUALLY.
11. PROCEED WITH THE STRENGTHENING OF THE REST OF TRUSS 1.
12. REACTIVATE THE FIRE SUPPRESSION SYSTEM AND INSTALL NEW INSULATION PER OWNER'S DIRECTION.

**SEQUENCE FOR LIFTING TRUSSES 2-5 (AUDITORIUM TRUSSES):**

1. TEMPORARILY DEACTIVATE THE FIRE SUPPRESSION SYSTEM. REMOVE ALL INSULATION OVER THE STAGE AND AUDITORIUM.
2. MARK AND RECORD LOCATIONS OF ALL INTERSECTIONS OF ALL ROOF FRAMING MEMBERS AND TOP PLATES. NOTE: OBJECTIVE HERE IS TO BE ABLE TO DETERMINE WHETHER ANY ROOF FRAMING MEMBERS SLIDE, DURING LIFTING, RELATIVE TO THE TOP PLATES.
3. WITH EOR ON-SITE, LIFT TRUSSES 2-5 APPROXIMATELY 1 INCH. MAKE SURE ENTIRE LOAD IS IN SHORING SYSTEM. NOTE: GC MUST OBSERVE THE EAST AND WEST ENDS OF THE ROOF FRAMING OVER THE AUDITORIUM TO DETERMINE WHETHER THE LIFT CAUSES THE ROOF RAFTERS TO SLIDE ON THE TOP OF THE EAST AND WEST WALLS.
4. PROCEED WITH THE STRENGTHENING OF TRUSSES 2-5.
5. REACTIVATE THE FIRE SUPPRESSION SYSTEM AND INSTALL NEW INSULATION PER OWNER'S DIRECTION.

**Bennett**  
PRESERVATION  
ENGINEERING PC



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

Job Name  
**McClvey Center - York**  
Sheet Title  
**SEQUENCE**

Date of Issue  
**August 24, 2023**  
Job Number  
**21-018**  
Sheet Number

**S002**



1 2 3 4 5 6 7 8 9 10 11 12 13 14

**SHEET NOTES:**

- 1. SHORE ALL FIVE TRUSSES TO GRADE, TYPICAL.
- 2. EXTEND ALL SHORING POSTS THROUGH THIS LEVEL DOWN TO SANDBOXES (SEE DETAILS) OR OTHER LOAD SPREADERS.
- 3. BASEMENT FLOOR AND EQUIPMENT ARE HIGHLY IRREGULAR. CAREFULLY EXAMINE PROPOSED SHORING POST LOCATIONS ON-SITE BEFORE COMMITTING TO POST LOCATIONS. SUBMIT ALL ALTERNATIVE POST LOCATIONS TO OWNER AND ENGINEER OF RECORD.
- 4. ITEMS IN GRAY ARE EXISTING/HAVE ALREADY BEEN INSTALLED. NEW WORK IS IN BLACK BOLD.

**Bennett**  
PRESERVATION  
ENGINEERING PC

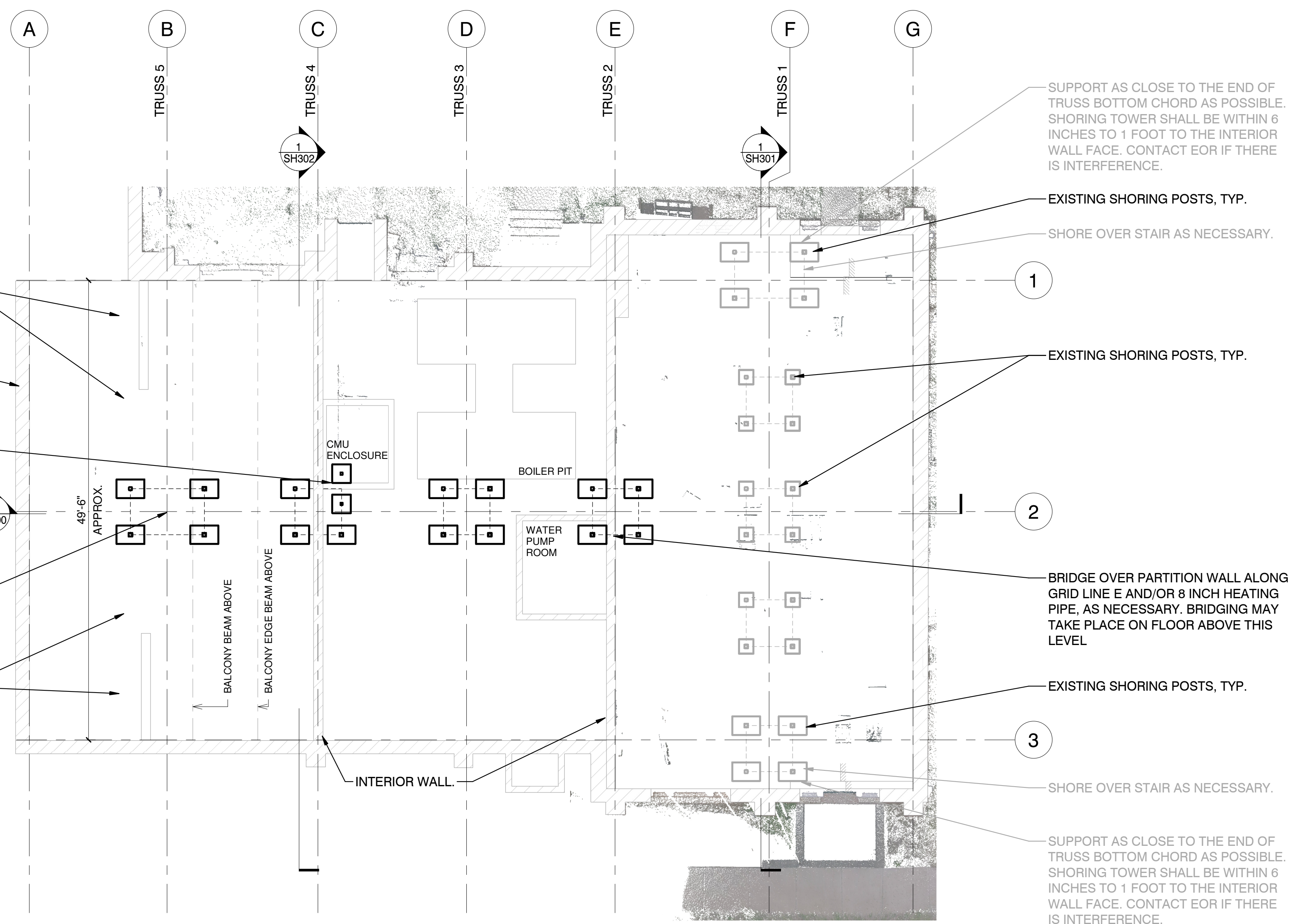


Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: SHORING - CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - Full Shoring**  
Sheet Title: **BASEMENT PLAN**

Date of Issue: August 24, 2023  
Job Number: 21-018  
Sheet Number: SH100  
Sheet of

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG



SHORING TOWERS REMOVED FROM DESIGN, TYP.

MASONRY WALL AT NORTH END OF AUDITORIUM.

SHORE AROUND CMU ENCLOSURE (FOR ELEVATOR PANEL) WITH 2 X 2 FOOT SANDBOXES AS SHOWN.

SHORE AUDITORIUM TRUSSES AT MID-SPAN AS SHOWN, TYP. SEE SECTION.

SHORING TOWERS REMOVED FROM DESIGN, TYP.

SUPPORT AS CLOSE TO THE END OF TRUSS BOTTOM CHORD AS POSSIBLE. SHORING TOWER SHALL BE WITHIN 6 INCHES TO 1 FOOT TO THE INTERIOR WALL FACE. CONTACT EOR IF THERE IS INTERFERENCE.

EXISTING SHORING POSTS, TYP.

SHORE OVER STAIR AS NECESSARY.

EXISTING SHORING POSTS, TYP.

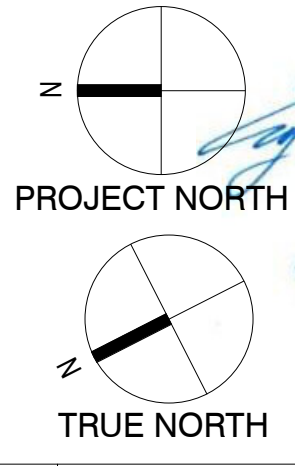
BRIDGE OVER PARTITION WALL ALONG GRID LINE E AND/OR 8 INCH HEATING PIPE, AS NECESSARY. BRIDGING MAY TAKE PLACE ON FLOOR ABOVE THIS LEVEL

EXISTING SHORING POSTS, TYP.

SHORE OVER STAIR AS NECESSARY.

SUPPORT AS CLOSE TO THE END OF TRUSS BOTTOM CHORD AS POSSIBLE. SHORING TOWER SHALL BE WITHIN 6 INCHES TO 1 FOOT TO THE INTERIOR WALL FACE. CONTACT EOR IF THERE IS INTERFERENCE.

**1** BASEMENT PLAN - BENEATH STAGE & AUDITORIUM  
SCALE: 1/8" = 1'-0"



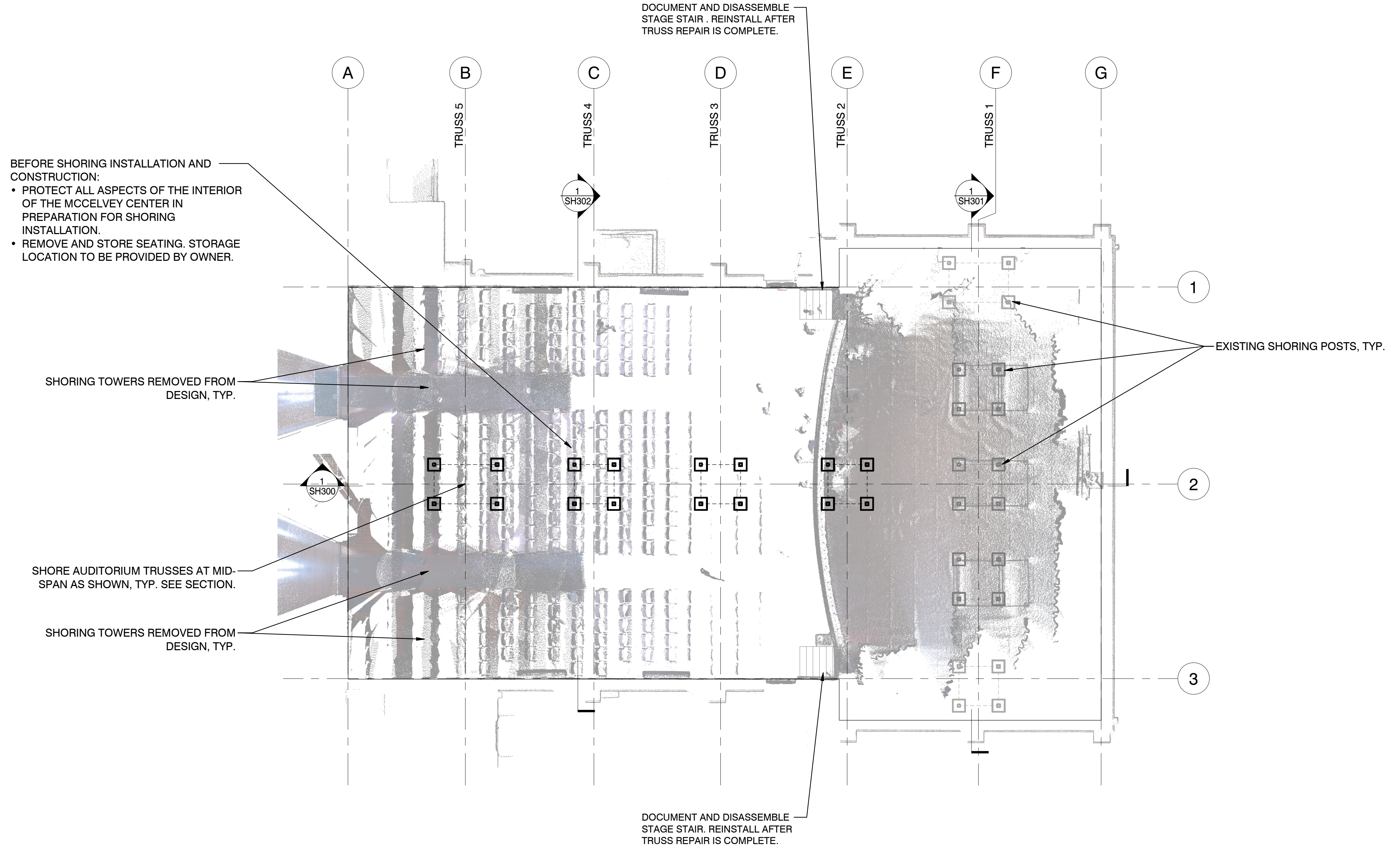
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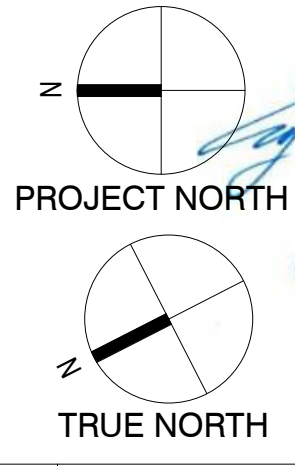
- SHEET NOTES:**
1. SHORE ALL FIVE TRUSSES TO GRADE, TYPICAL.
  2. THE SHORING AND BRACING SYSTEMS SHALL HAVE A LADDER OR STAIR TOWER.
  3. THE PROPOSED SHORING AND BRACING SYSTEMS SHALL HAVE PLATFORMS UNDER EACH TRUSS AND WALKWAYS CONNECTING ALL PLATFORMS WITH HANDRAILS.
  4. ITEMS IN GRAY ARE EXISTING/HAVE ALREADY BEEN INSTALLED. NEW WORK IS IN BLACK BOLD.



Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: SHORING - CONSTRUCTION DOCUMENTS



**1** PLAN OF STAGE AND SOUTH END OF AUDITORIUM  
 SH101 SCALE: 1/8" = 1'-0"



Job Name: **McCelvey Center - Full Shoring**  
 Date of Issue: **August 24, 2023**  
 Job Number: **21-018**  
 Sheet Number: **SH101**

Job Name: **McCelvey Center - Full Shoring**  
 Sheet Title: **STAGE & AUDITORIUM PLAN**

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J

- SHEET NOTES:**
1. SHORE ALL FIVE TRUSSES TO GRADE, TYPICAL.
  2. THE SHORING AND BRACING SYSTEMS SHALL HAVE A LADDER OR STAIR TOWER.
  3. THE PROPOSED SHORING AND BRACING SYSTEMS SHALL HAVE PLATFORMS UNDER EACH TRUSS AND WALKWAYS CONNECTING ALL PLATFORMS WITH HANDRAILS.
  4. ITEMS IN GRAY ARE EXISTING/HAVE ALREADY BEEN INSTALLED. NEW WORK IS IN BLACK BOLD.



AT ALL FOUR AUDITORIUM TRUSSES, DOCUMENT AND REMOVE ONLY APPROXIMATELY 1X4 FOOT PANEL OF MILLWORK TO INSTALL SHORING JACK FROM BELOW AT TRUSS CENTER. CATALOG AND STORE ON-SITE, TYP. OWNER TO PROVIDE STORAGE.

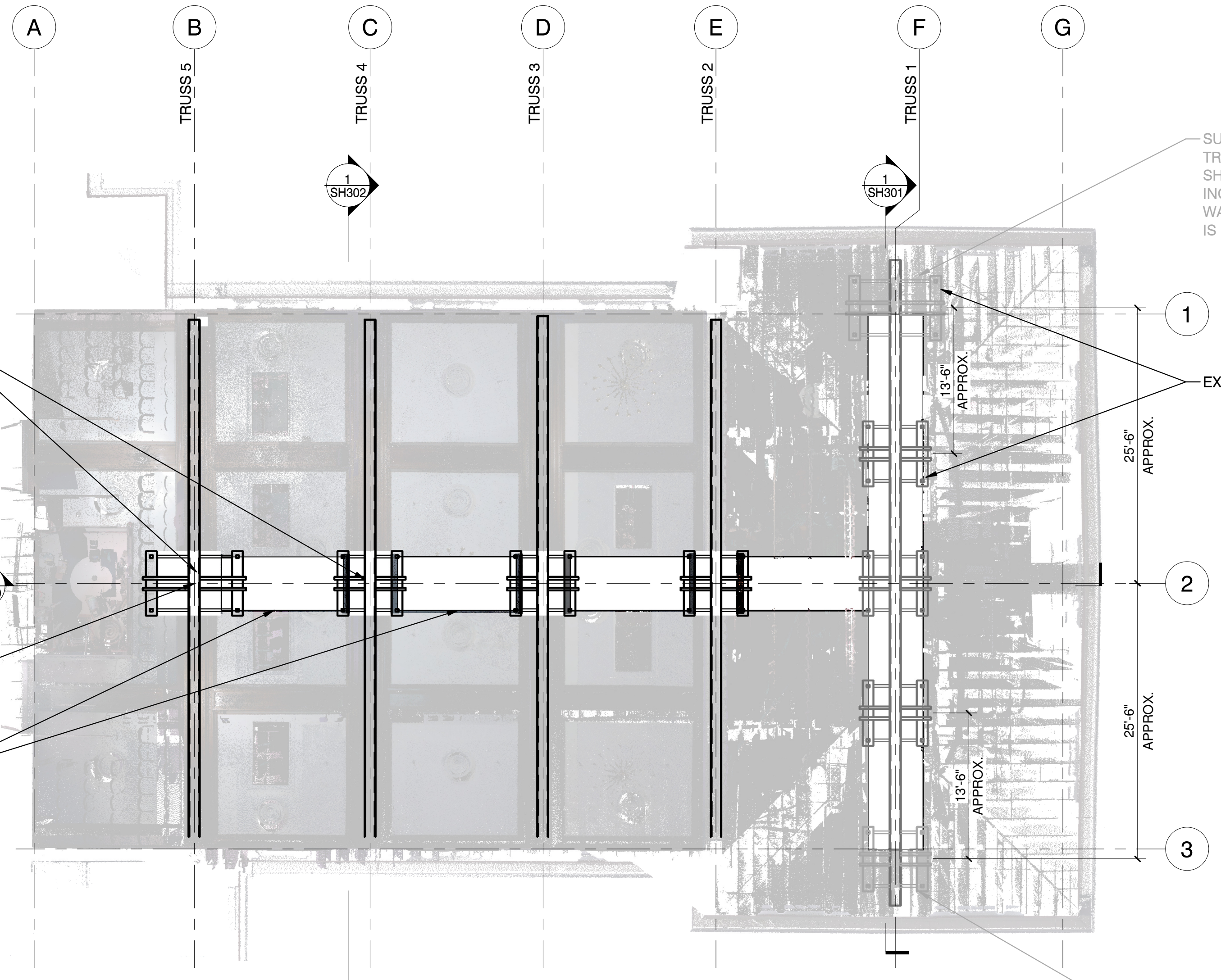
SHORE AUDITORIUM TRUSSES AT MID-SPAN AS SHOWN, TYP. SEE SECTION.

PLATFORM AND WALKWAY, TYP. SEE SECTIONS.

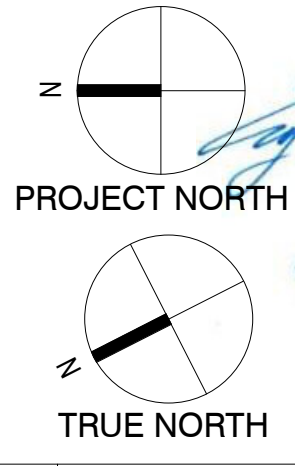
SUPPORT AS CLOSE TO THE END OF TRUSS BOTTOM CHORD AS POSSIBLE. SHORING TOWER SHALL BE WITHIN 6 INCHES TO 1 FOOT TO THE INTERIOR WALL FACE. CONTACT EOR IF THERE IS INTERFERENCE.

EXISTING SHORING, TYP.

SUPPORT AS CLOSE TO THE END OF TRUSS BOTTOM CHORD AS POSSIBLE. SHORING TOWER SHALL BE WITHIN 6 INCHES TO 1 FOOT TO THE INTERIOR WALL FACE. CONTACT EOR IF THERE IS INTERFERENCE.



**1 REFLECTED CEILING PLAN**  
 SH102 SCALE: 1/8" = 1'-0"

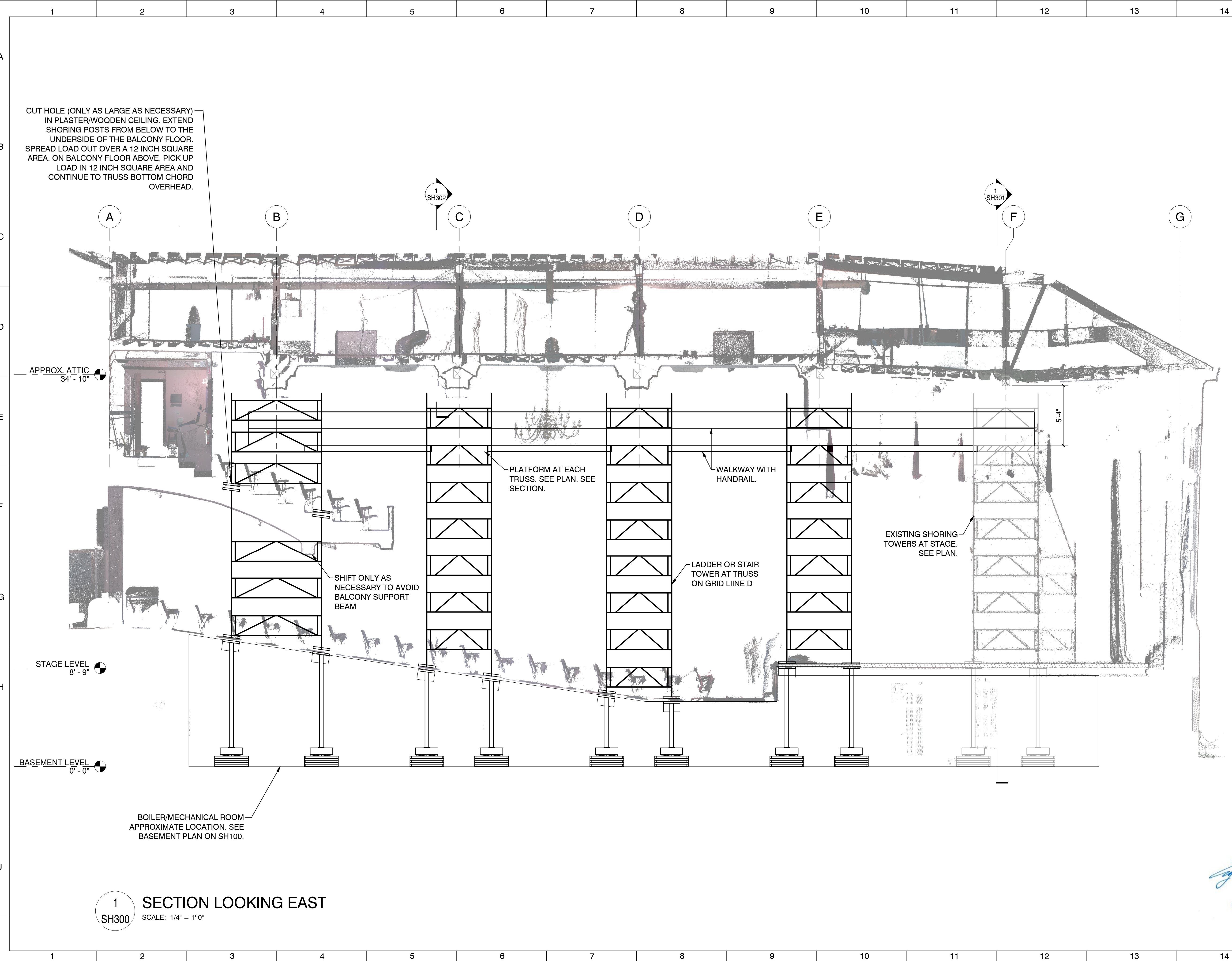


Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: SHORING - CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - Full Shoring**  
 Sheet Title: **STAGE REFLECTED CEILING PLAN**

Date of Issue: **August 24, 2023**  
 Job Number: **21-018**  
 Sheet Number: **SH102**

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG



- SHEET NOTES:**
1. SHORE ALL FIVE TRUSSES TO GRADE, TYPICAL.
  2. THE SHORING AND BRACING SYSTEMS SHALL HAVE A LADDER OR STAIR TOWER.
  3. THE PROPOSED SHORING AND BRACING SYSTEMS SHALL HAVE PLATFORMS UNDER EACH TRUSS AND WALKWAYS CONNECTING ALL PLATFORMS WITH HANDRAILS.
  4. ITEMS IN GRAY ARE EXISTING/HAVE ALREADY BEEN INSTALLED. NEW WORK IS IN BLACK BOLD.



Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: SHORING - CONSTRUCTION DOCUMENTS

Job Name: **McCelvey Center - Full Shoring**  
 Sheet Title: **BUILDING SECTION**

Date of Issue: August 24, 2023  
 Job Number: 21-018  
 Sheet Number: SH300

**1 SECTION LOOKING EAST**  
 SCALE: 1/4" = 1'-0"



ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

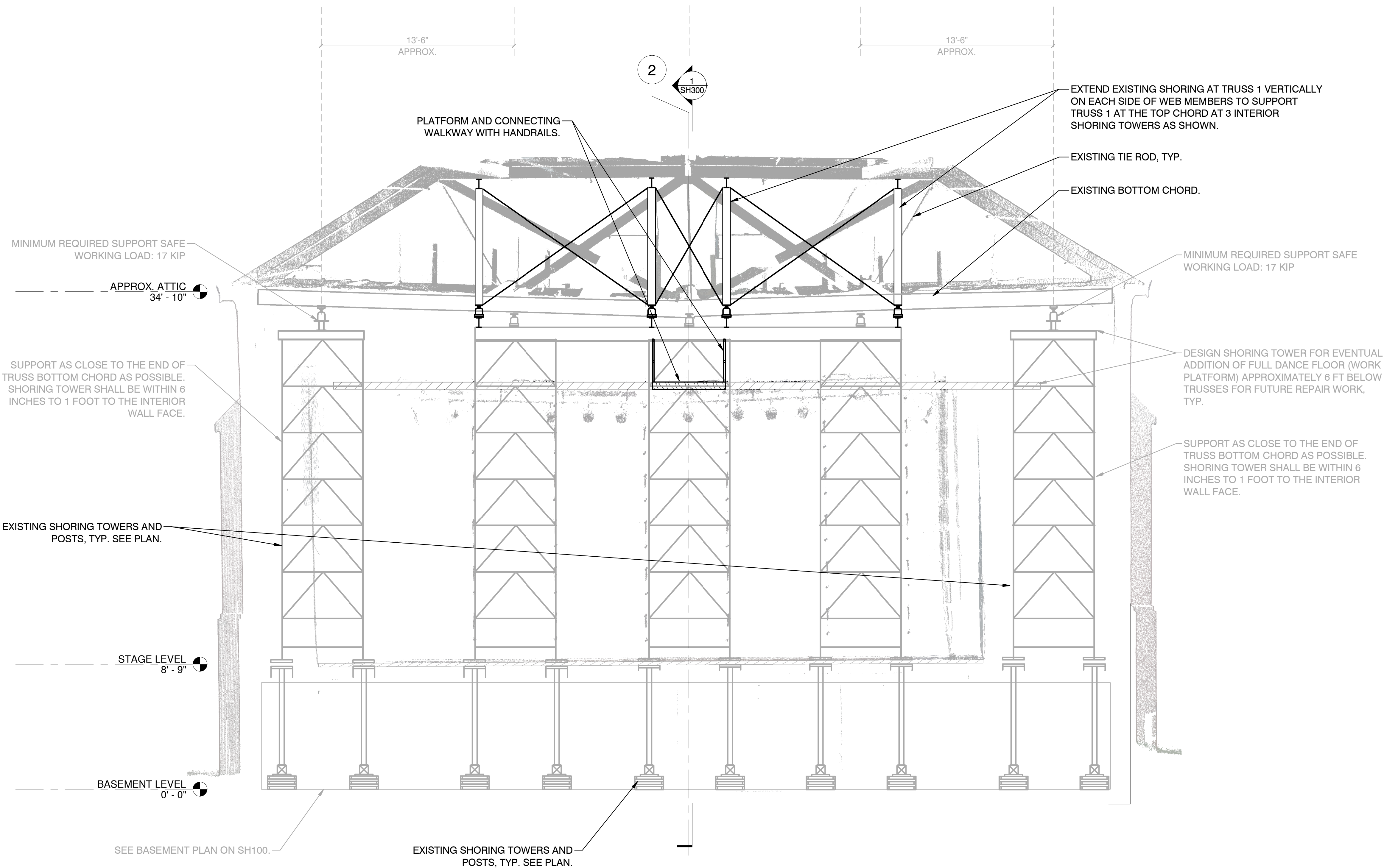
- SHEET NOTES:**
1. SHORE ALL FIVE TRUSSES TO GRADE, TYPICAL.
  2. THE SHORING AND BRACING SYSTEMS SHALL HAVE A LADDER OR STAIR TOWER.
  3. THE PROPOSED SHORING AND BRACING SYSTEMS SHALL HAVE PLATFORMS UNDER EACH TRUSS AND WALKWAYS CONNECTING ALL PLATFORMS WITH HANDRAILS.
  4. ITEMS IN GRAY ARE EXISTING/HAVE ALREADY BEEN INSTALLED. NEW WORK IS IN BLACK BOLD.



Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: SHORING - CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - Full Shoring**  
 Sheet Title: **BUILDING SECTION**

Date of Issue: August 24, 2023  
 Job Number: 21-018  
 Sheet Number: SH301  
 Sheet of



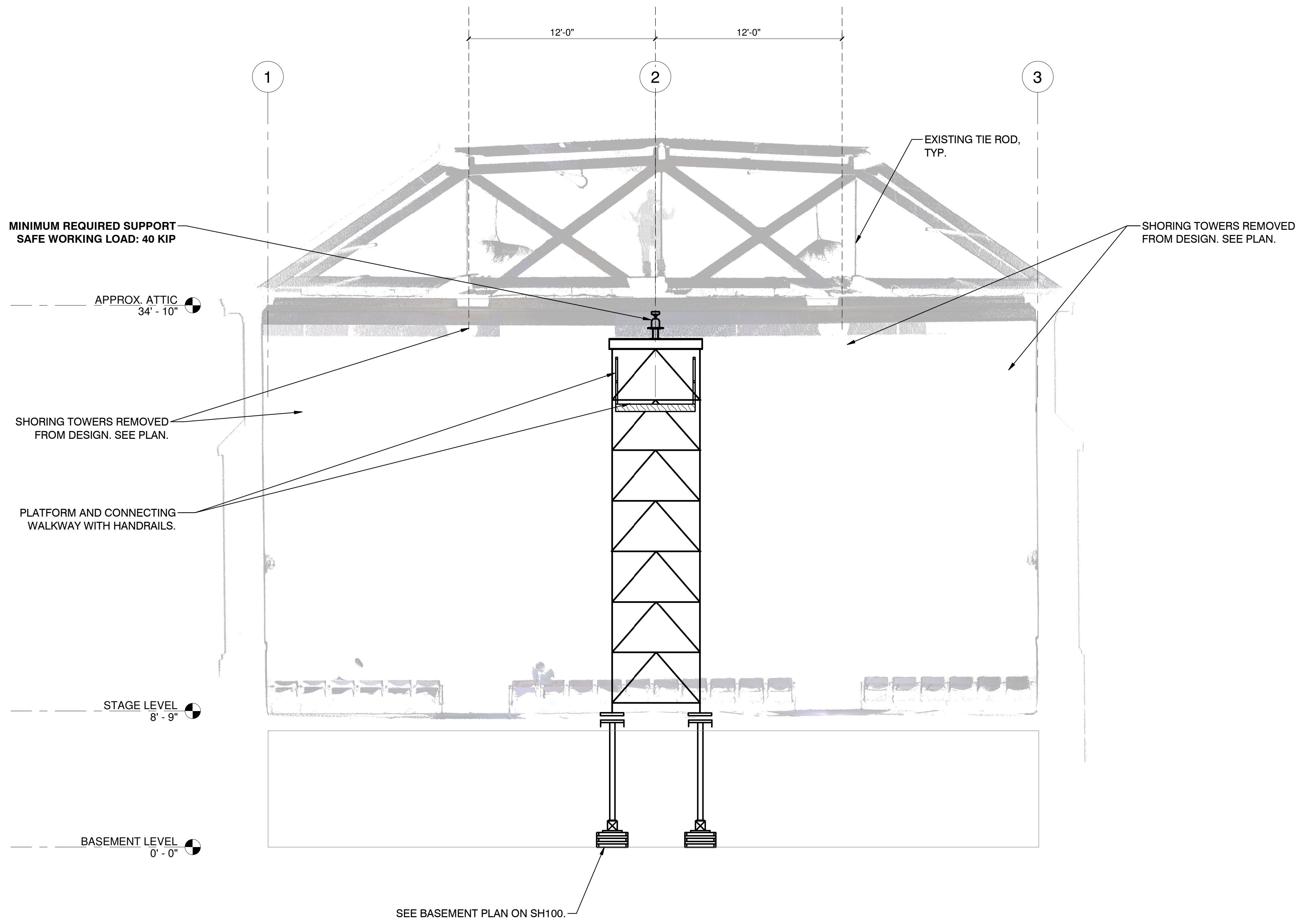
**1 TRUSS 1 - SECTION LOOKING SOUTH**  
 SH301 SCALE: 1/4" = 1'-0"

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

- SHEET NOTES:**
1. SHORE ALL FIVE TRUSSES TO GRADE, TYPICAL.
  2. THE SHORING AND BRACING SYSTEMS SHALL HAVE A LADDER OR STAIR TOWER.
  3. THE PROPOSED SHORING AND BRACING SYSTEMS SHALL HAVE PLATFORMS UNDER EACH TRUSS AND WALKWAYS CONNECTING ALL PLATFORMS WITH HANDRAILS.
  4. ITEMS IN GRAY ARE EXISTING/HAVE ALREADY BEEN INSTALLED. NEW WORK IS IN BLACK BOLD.



**MINIMUM REQUIRED SUPPORT  
SAFE WORKING LOAD: 40 KIP**

APPROX. ATTIC  
34'-10"

SHORING TOWERS REMOVED  
FROM DESIGN. SEE PLAN.

PLATFORM AND CONNECTING  
WALKWAY WITH HANDRAILS.

STAGE LEVEL  
8'-9"

BASEMENT LEVEL  
0'-0"

EXISTING TIE ROD,  
TYP.

SHORING TOWERS REMOVED  
FROM DESIGN. SEE PLAN.

SEE BASEMENT PLAN ON SH100.

**1** TYPICAL TRUSS 2, 3, 4, & 5 - SECTION LOOKING SOUTH  
SH302 SCALE: 1/4" = 1'-0"

Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: SHORING - CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - Full Shoring**  
Sheet Title: **BUILDING SECTION**

Date of Issue: **August 24, 2023**  
Job Number: **21-018**  
Sheet Number: **SH302**  
Sheet of

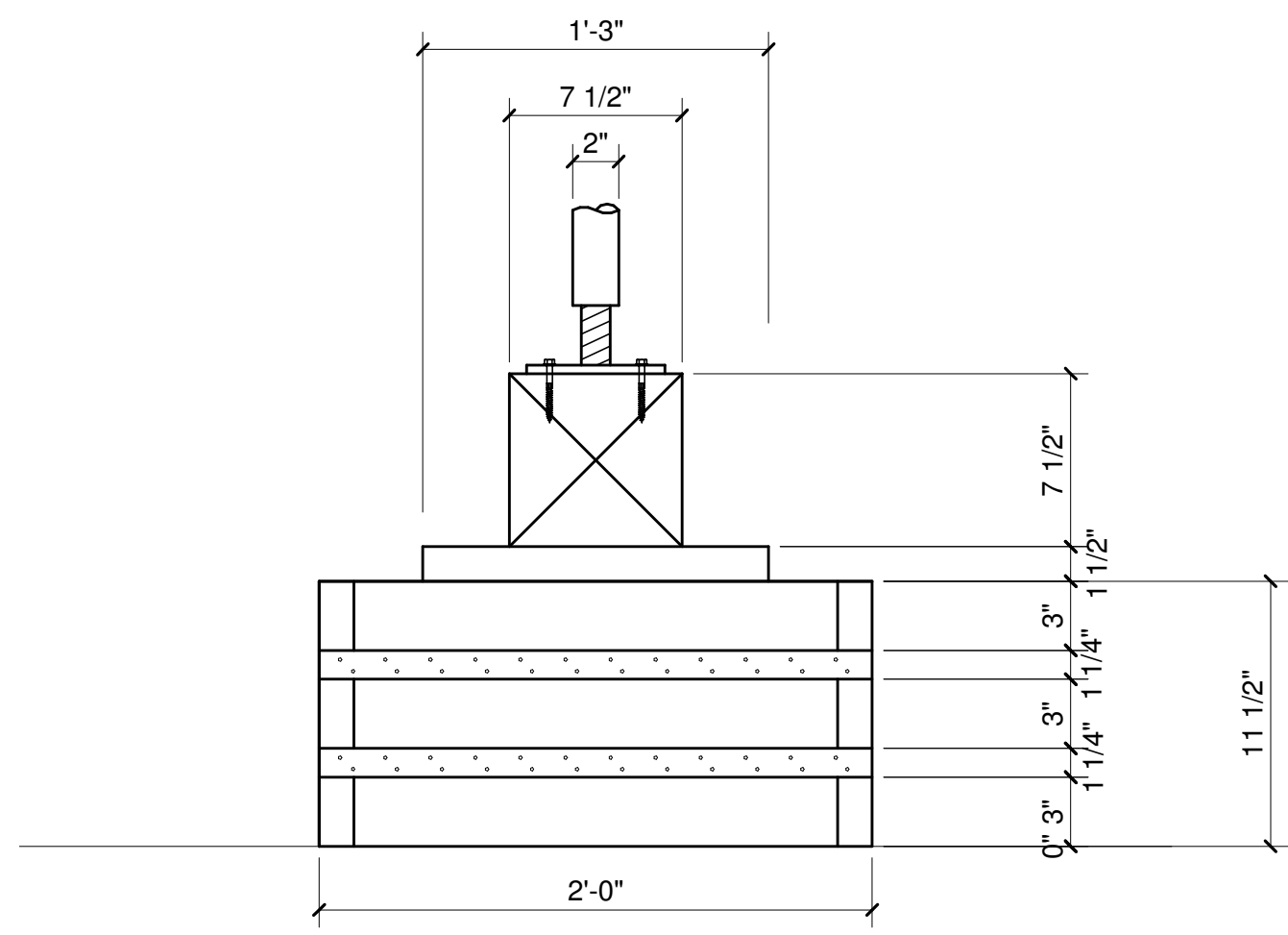
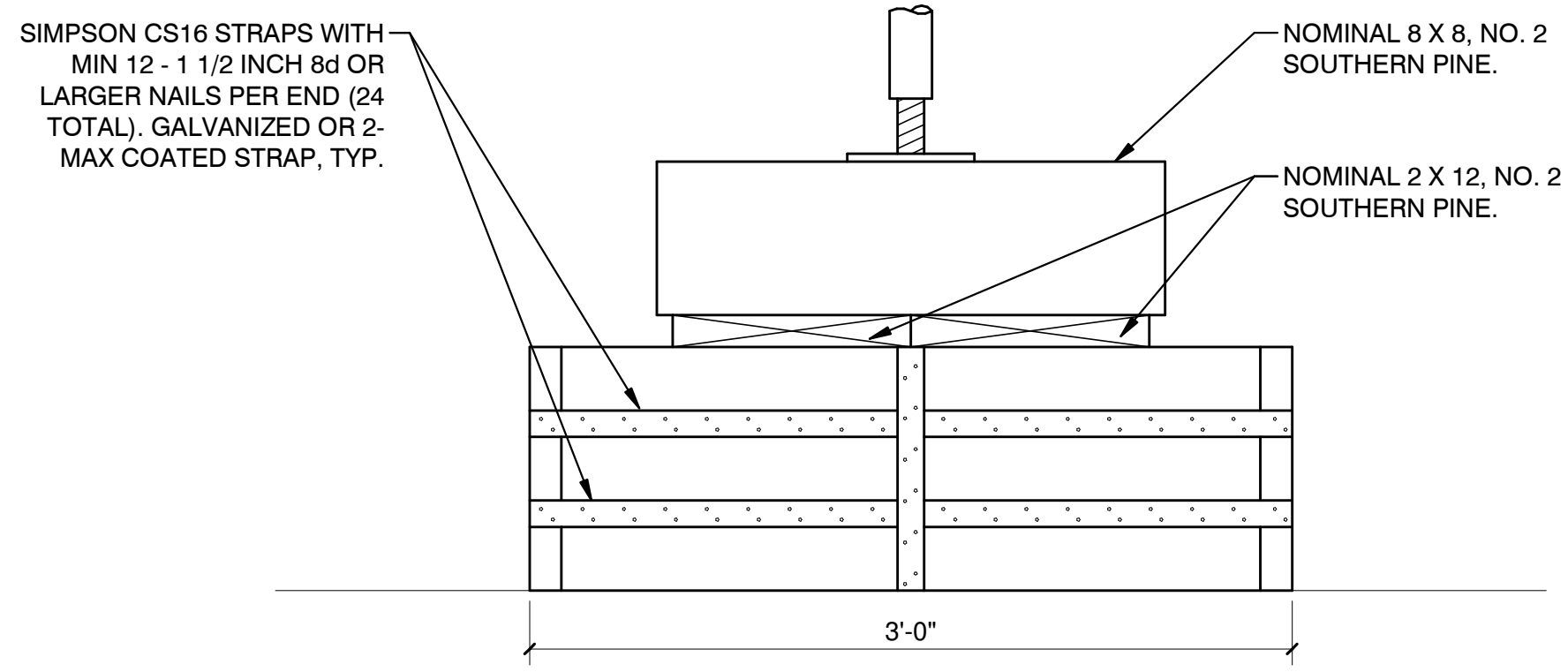


ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

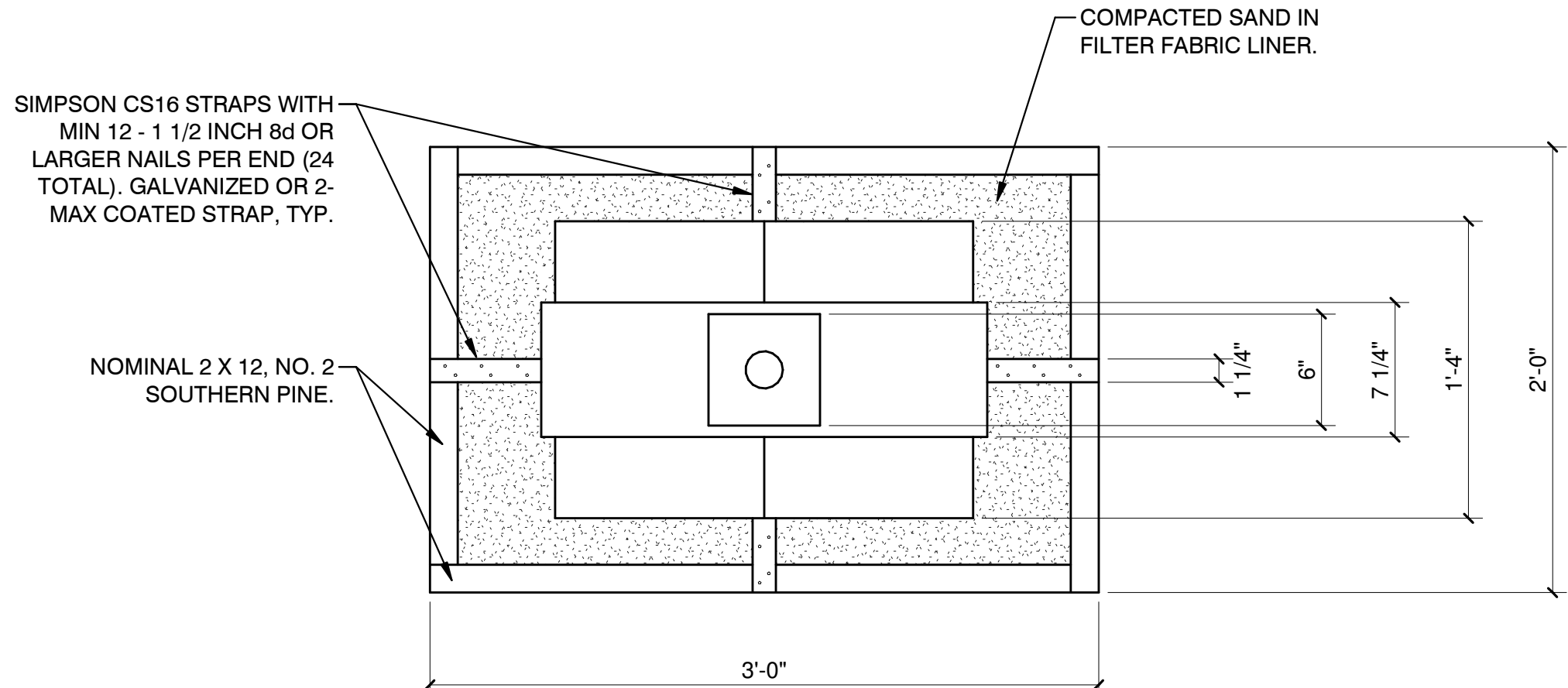


1 2 3 4 5 6 7 8 9 10 11 12 13 14

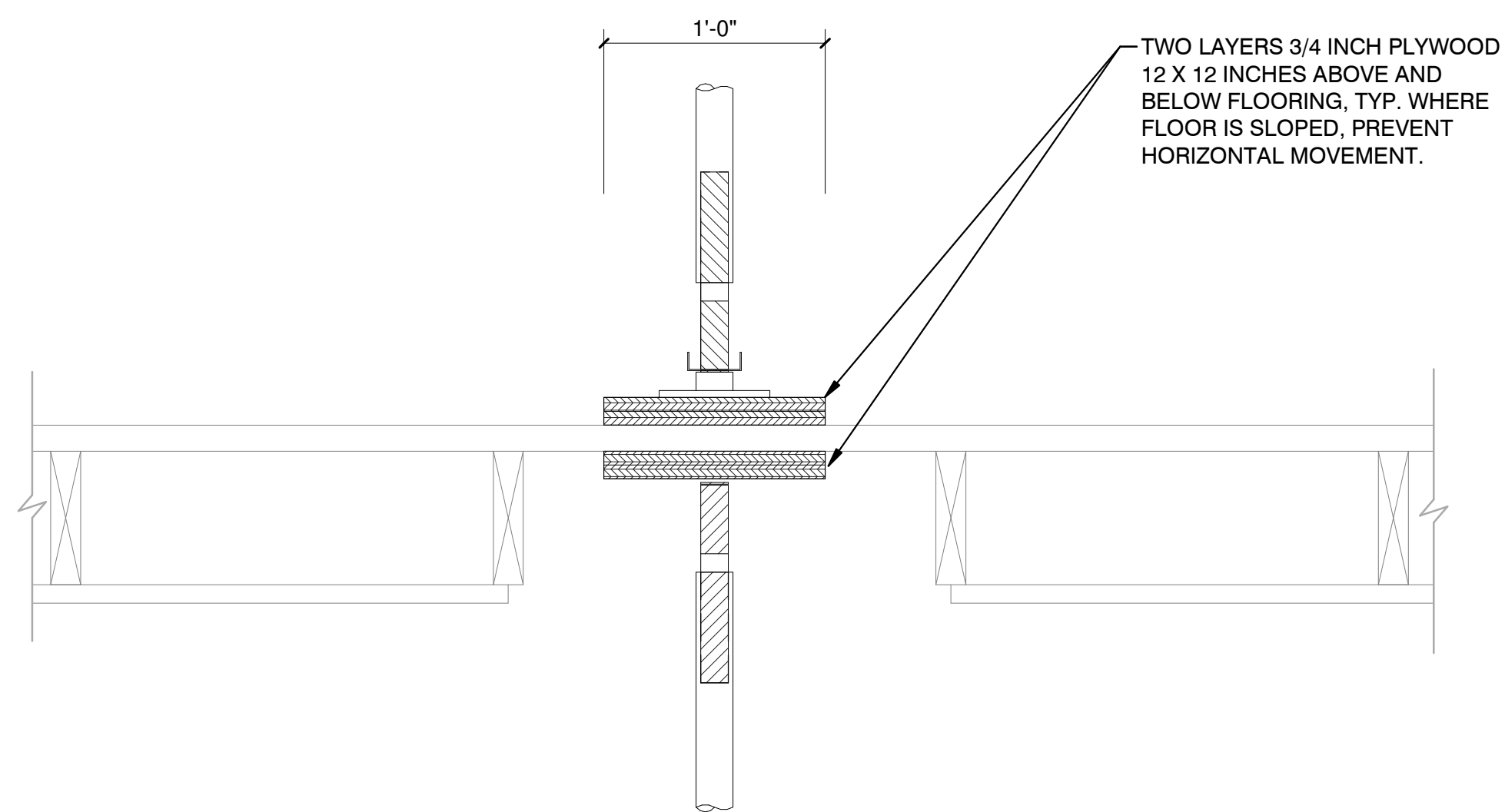
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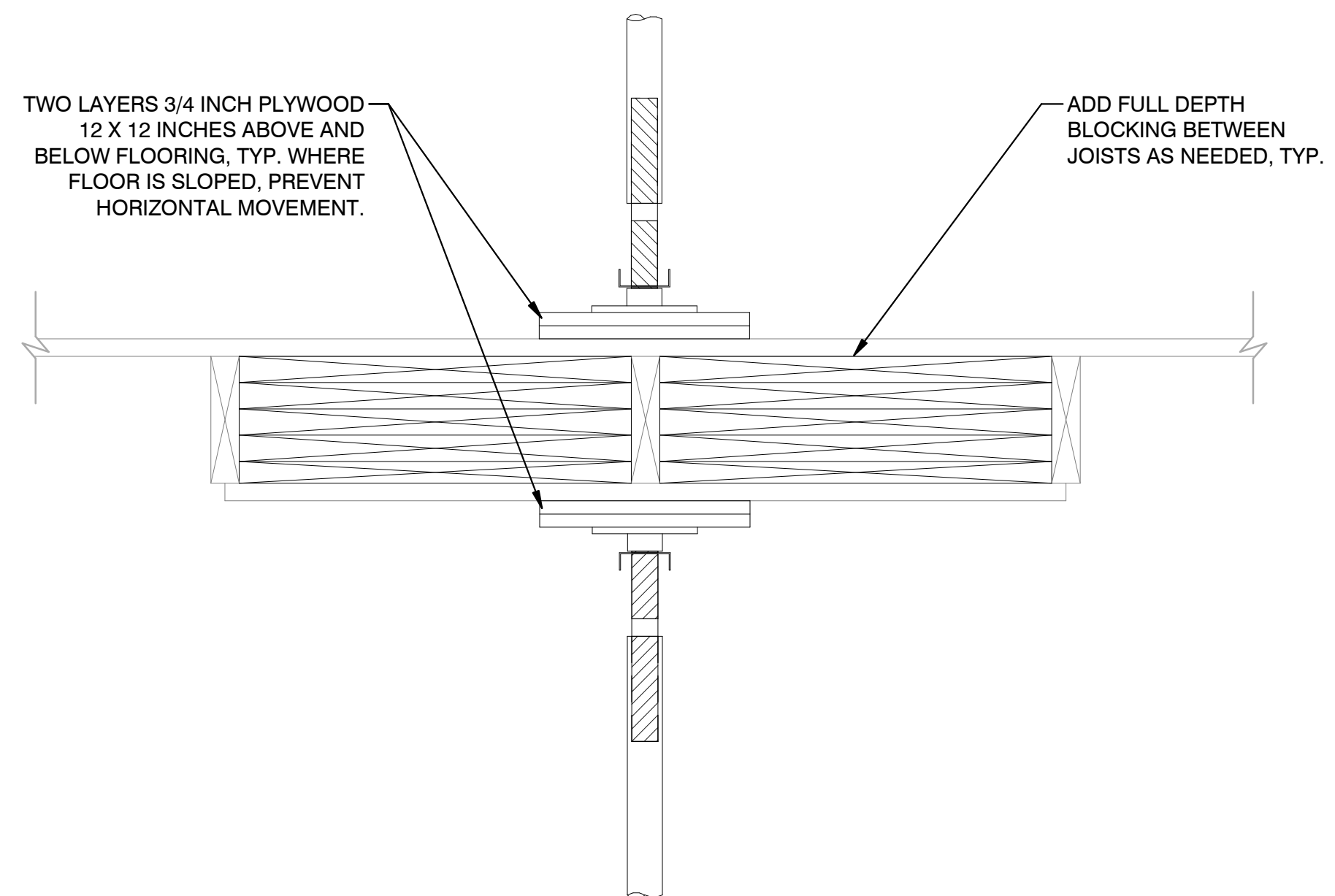
**1 SANDBOX ELEVATIONS**  
SH501 SCALE: 1 1/2" = 1'-0"



**2 SANDBOX PLAN**  
SH501 SCALE: 1 1/2" = 1'-0"

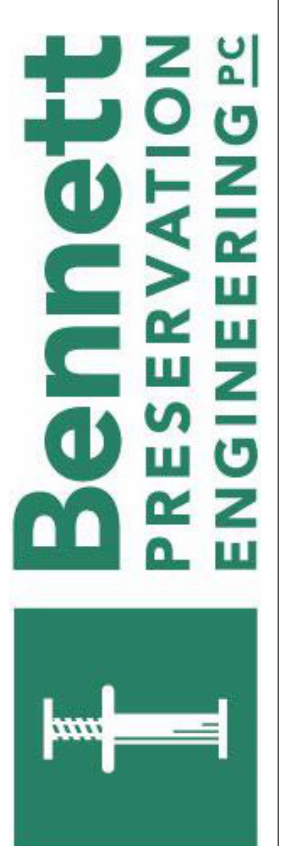


**3 SHORING BETWEEN JOISTS**  
SH501 SCALE: 1 1/2" = 1'-0"



**4 SHORING AT JOISTS**  
SH501 SCALE: 1 1/2" = 1'-0"

**SHEET NOTES:**  
1. ALTERNATIVE SUPPORTS WILL BE CONSIDERED IF SHORING ENGINEER'S CALCULATIONS SHOW THAT SOIL AND SLAB LOADING CAN BE ACHIEVED.



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: SHORING - CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - Full Shoring**  
Sheet Title: **DETAILS**

Date of Issue: **August 24, 2023**  
Job Number: **21-018**  
Sheet Number: **SH501**



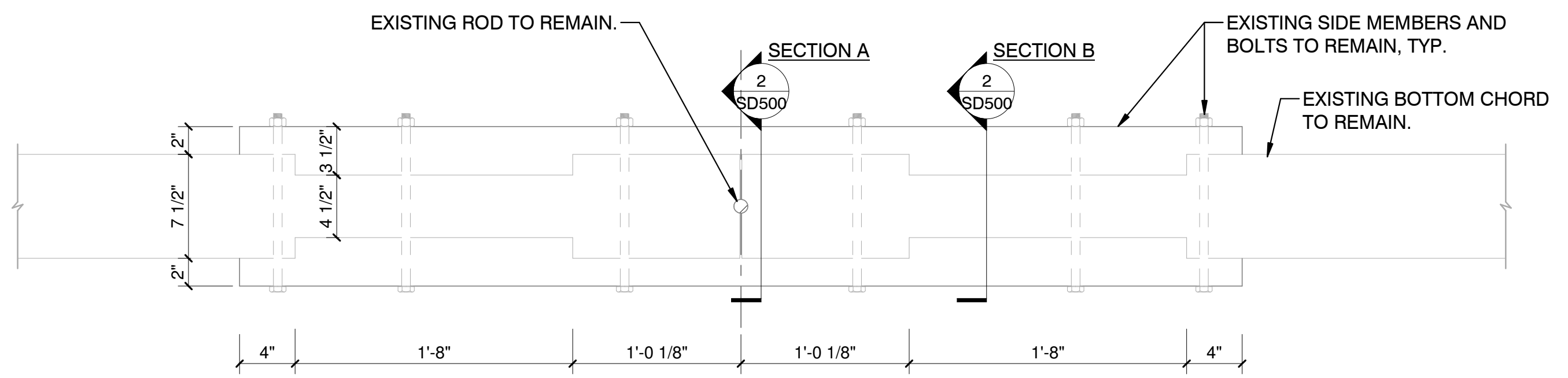
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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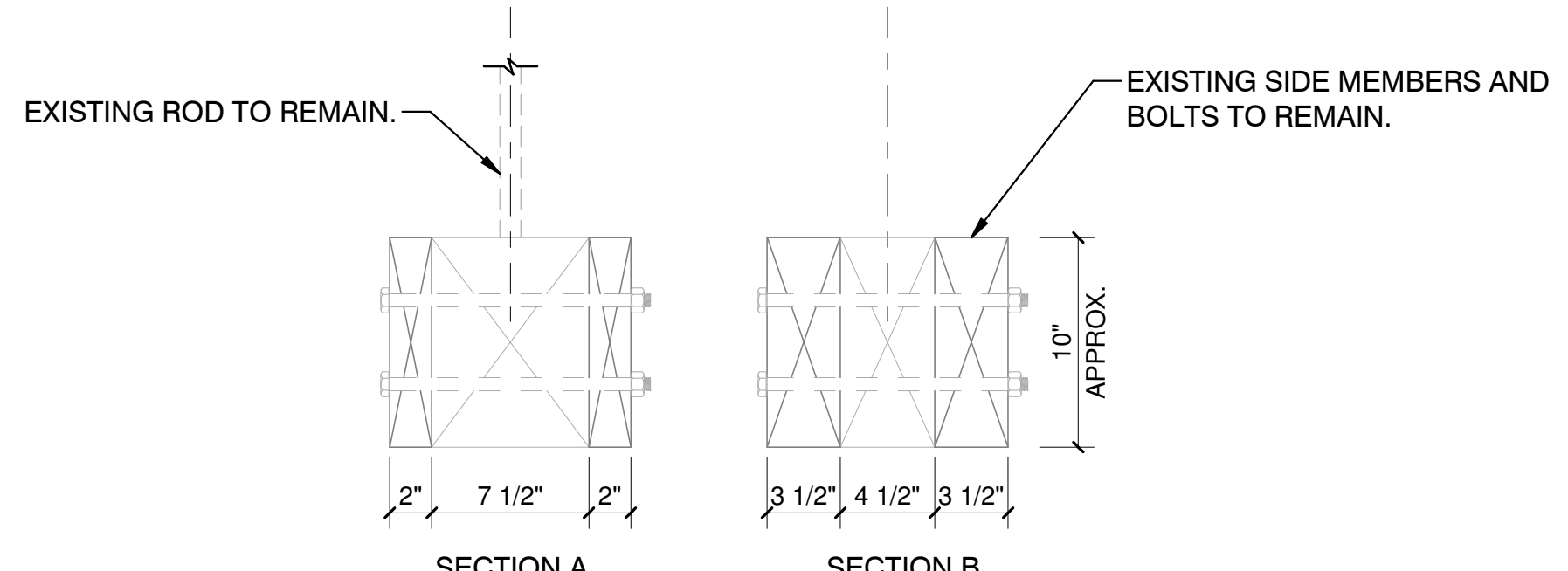
**DISASSEMBLY SHEET NOTES:**

1. ALL SHORING MUST BE FULLY INSTALLED PRIOR TO ANY DISASSEMBLY WORK IN THE ATTIC.
2. EXTEND EXISTING SHORING AT TRUSS 1 VERTICALLY TO SUPPORT TRUSS 1 AT THE TOP CHORD AT THE 3 INTERIOR SHORING TOWERS.



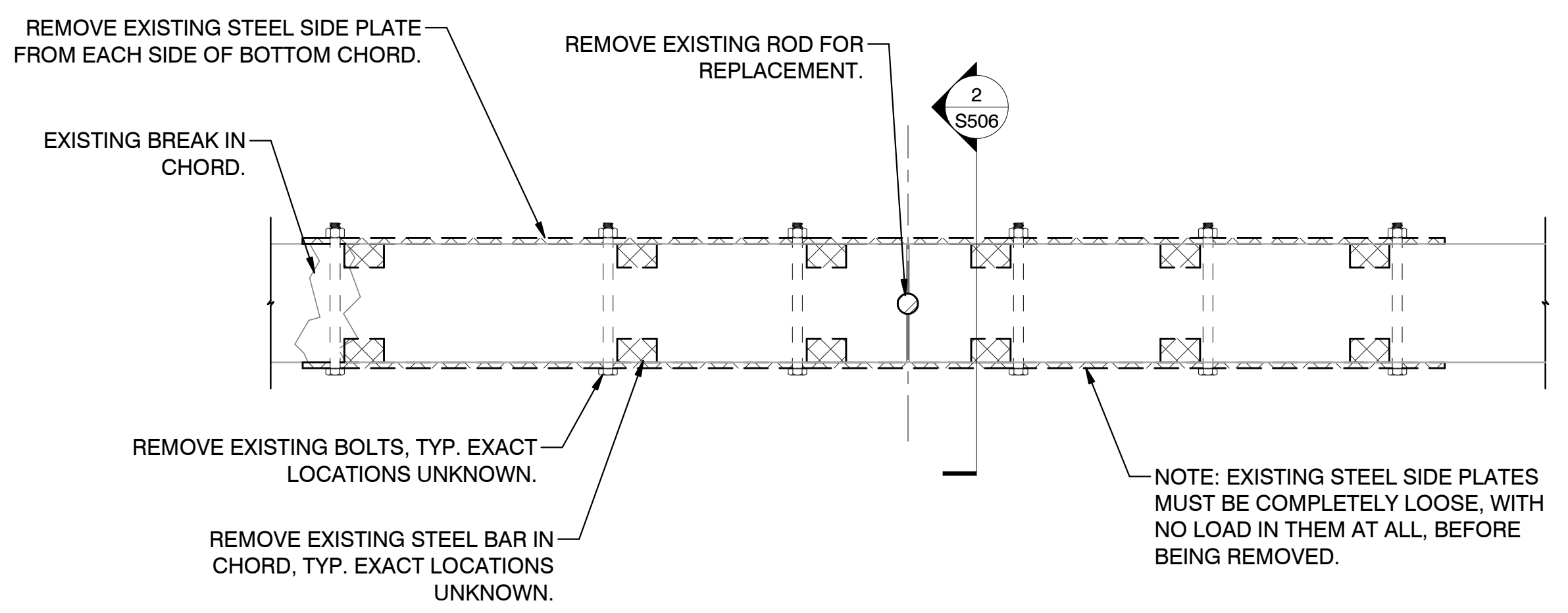
NOTE: NO DISASSEMBLY AT THIS CONNECTION.

**1 TRUSS 2, 3, 4, & 5 SIDE MEMBER EXISTING PLAN DETAIL**  
SD500 SCALE: 1 1/2" = 1'-0"

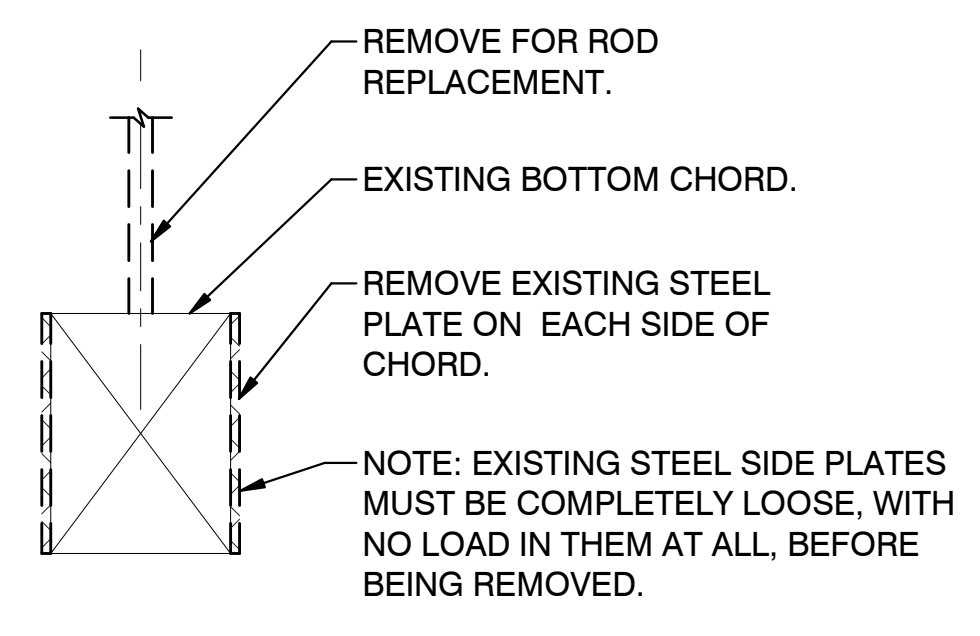


NOTE: NO DISASSEMBLY AT THIS CONNECTION.

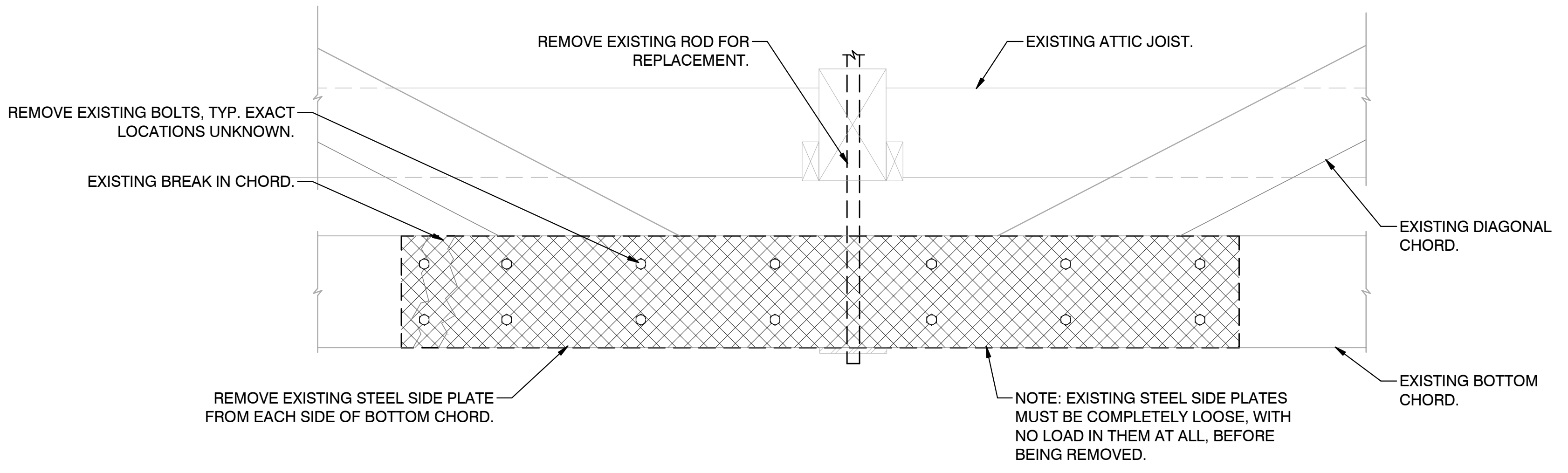
**2 TRUSS 2, 3, 4, & 5 SIDE MEMBER EXISTING SECTION**  
SD500 SCALE: 1 1/2" = 1'-0"



**3 TRUSS 1 SIDE MEMBER DISASSEMBLY PLAN DETAIL**  
SD500 SCALE: 1 1/2" = 1'-0"



**4 TRUSS 1 SIDE MEMBER DISASSEMBLY SECTION**  
SD500 SCALE: 1 1/2" = 1'-0"



**5 TRUSS 1 SIDE MEMBER DISASSEMBLY ELEVATION DETAIL**  
SD500 SCALE: 1 1/2" = 1'-0"

Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - York**  
Sheet Title: **DISASSEMBLY DETAILS**

Date of Issue: **August 24, 2023**  
Job Number: **21-018**  
Sheet Number



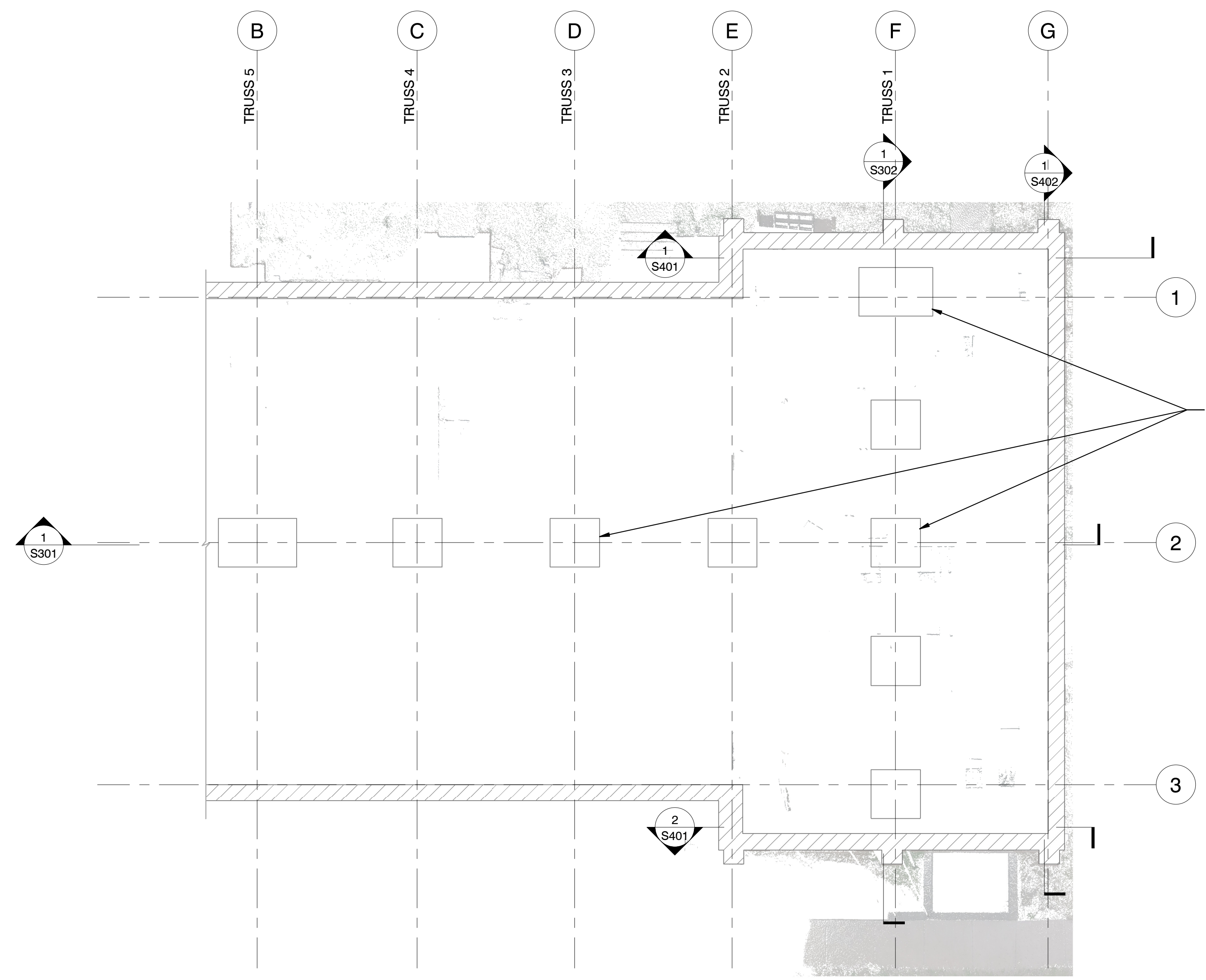
**SD500**

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

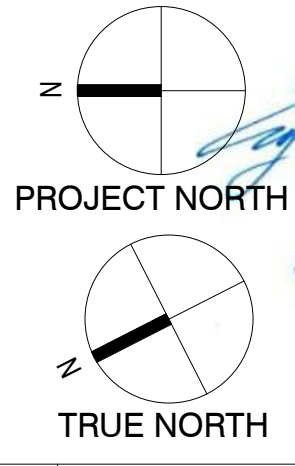
1 2 3 4 5 6 7 8 9 10 11 12 13 14

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BEFORE CONSTRUCTION BEGINS THE GENERAL CONTRACTOR MUST SHORE THE FIVE TRUSSES DOWN TO GRADE. SEE BPE SHORING DRAWINGS, McCOLVEY CENTER - FULL SHORING.

**1** BASEMENT PLAN - BENEATH STAGE  
S100 SCALE: 1/8" = 1'-0"



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McCelvey Center - York**  
Sheet Title: **BASEMENT PLAN**

Date of Issue: August 24, 2023  
Job Number: **21-018**  
Sheet Number: **S100**

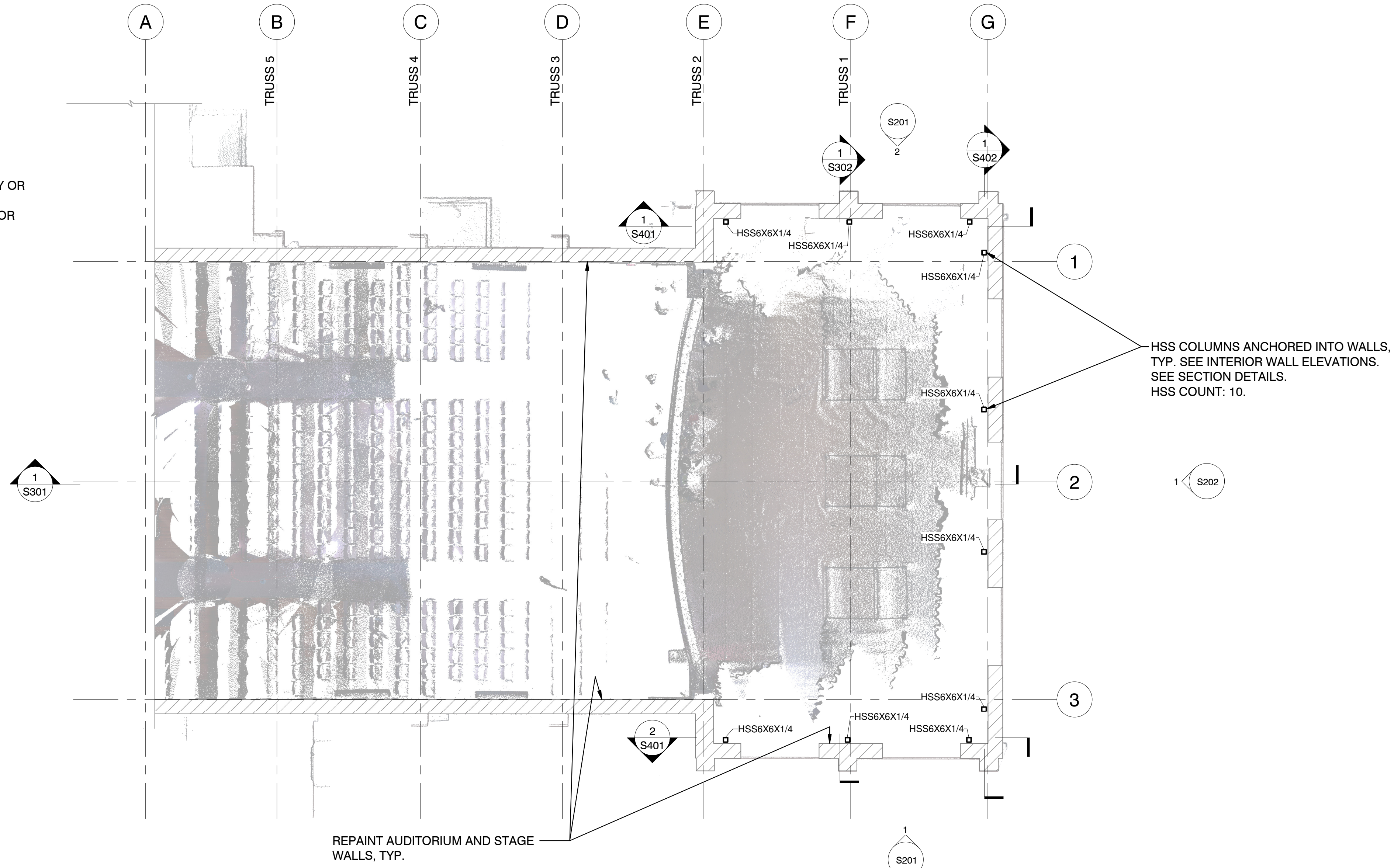
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

**MINIMUM REQUIRED CONSTRUCTION SEQUENCING**

- BEFORE CONSTRUCTION:**
- PROTECT ALL ASPECTS OF THE INTERIOR OF THE MCCELVEY CENTER IN PREPARATION FOR CONSTRUCTION.
  - REMOVE, CATALOG, AND STORE THE SEATING, IF IT HAS NOT ALREADY BEEN REMOVED AND STORED, AS NECESSARY. PROTECT SEATS THAT REMAIN IN-PLACE DURING CONSTRUCTION.
  - REMOVE, CATALOG, AND STORE STAGE LIGHTING, CURTAINS, ETC.
  - SHORE ALL FIVE TRUSSES OVER THE AUDITORIUM AND STAGE. PROVIDE A WORK PLATFORM APPROXIMATELY 6 FEET BELOW THE BOTTOM OF THE TRUSS MILLWORK.
  - SHORE ALL JOISTS OVER THE STAGE.
  - OVER THE AUDITORIUM, SHORE ALL JOIST ENDS WHILE THE TRUSS WHICH THEY TOUCH IS BEING WORKED ON.
  - REMOVE ALL INSULATION WITHIN 3 FEET OF ALL TRUSSES.

SEE SEQUENCE ON S002.

- AFTER CONSTRUCTION:**
- REMOVE ALL TEMPORARY WORK.
  - REINSULATE AREAS IN ATTIC AROUND THE FIVE TRUSSES.
  - THOROUGHLY CLEAN THE WHOLE AUDITORIUM.
  - REINSTALL ALL HISTORIC SEATING AND OTHER INTERIORS REMOVED FOR CONSTRUCTION.
  - REPAIR ALL FINISHES AND OTHER SYSTEMS, INCLUDING MECHANICAL SYSTEMS, DAMAGED BY OR REMOVED FOR THIS WORK.
  - REPAINT ALL PAINTED SURFACES ON THE INTERIOR OF THE AUDITORIUM AND STAGE.



**1 PLAN OF STAGE AND SOUTH END OF AUDITORIUM**  
 S101 SCALE: 1/8" = 1'-0"



Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McCelvey Center - York**  
 Sheet Title: **STAGE & AUDITORIUM PLAN**

Date of Issue: **August 24, 2023**  
 Job Number: **21-018**  
 Sheet Number: **S101**

PROJECT NORTH

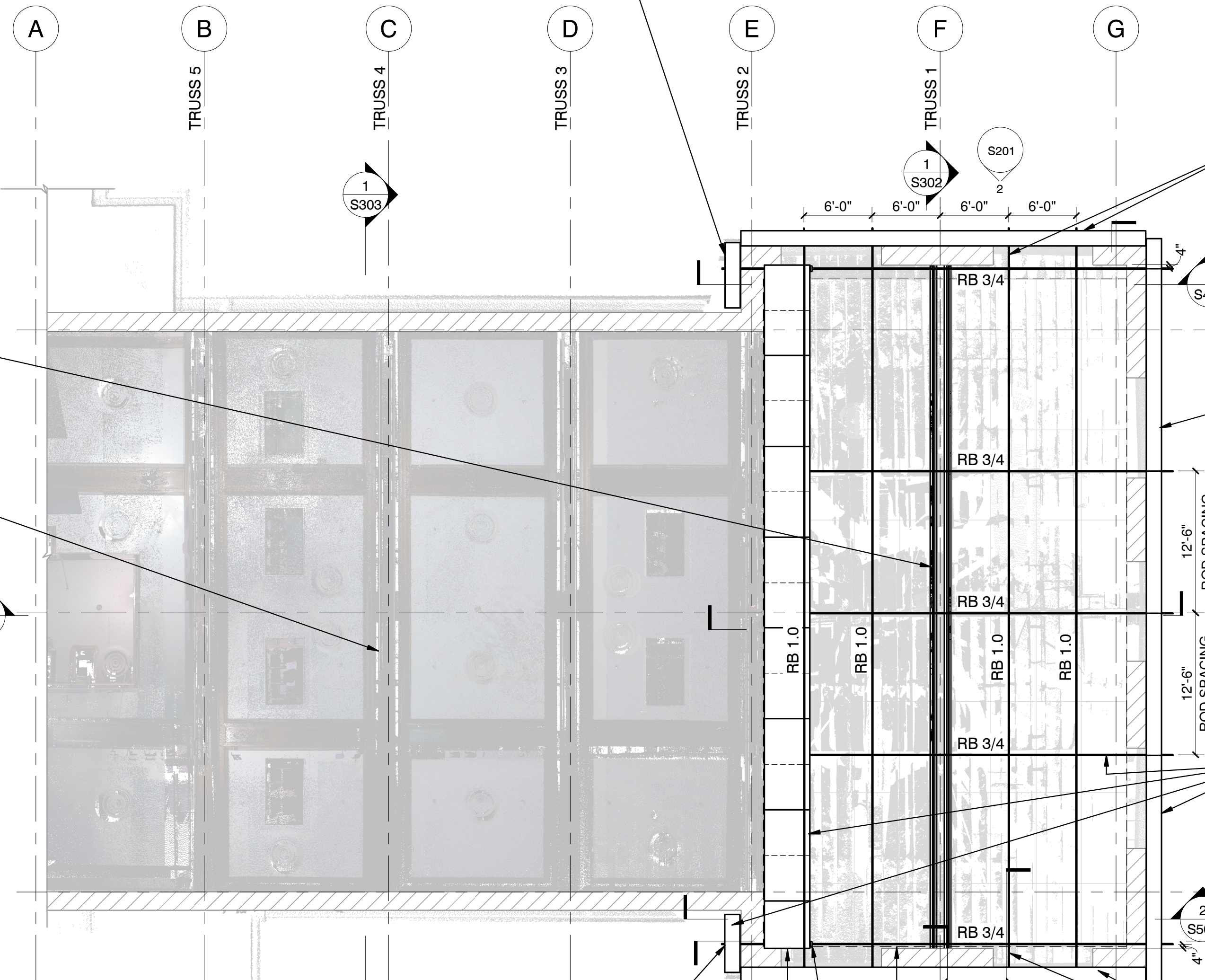
TRUE NORTH

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J

CONTINUOUS TEMPORARY BOX BEAM. INSTALL AT TOP OF MASONRY WALL. SPAN EAST-WEST. REPLACE BOX BEAM WITH 12 INCH PATTRESS PLATES WHEN WORK IS COMPLETE. SEE SEQUENCE. SEE DETAIL.



SEE S103 FOR STRENGTHENING. AT STAGE TRUSS (TRUSS 1): DOCUMENT, REMOVE, CATALOG, AND STORE CEILING MILLWORK FROM BENEATH TRUSS. AFTER CONSTRUCTION, REINSTALL MILLWORK. MATCH ORIGINAL FINISH IN ANY DAMAGED AREAS, TYP.

SEE S103 FOR STRENGTHENING. AT AUDITORIUM TRUSSES (TRUSSES 2-5): MILLWORK TO REMAIN IN PLACE AT AUDITORIUM TRUSSES. AFTER WORK IS COMPLETE, REINSTALL LIMITED PANELS REMOVED FOR SHORING. MATCH ORIGINAL FINISH IN DAMAGED AREAS.

CONTINUOUS TEMPORARY BOX BEAM AND (4) 1 INCH HDG A36 RODS THROUGH BUILDING TO WEST WALL. TIGHTEN RODS TO PULL BOX BEAM AGAINST EXTERIOR MASONRY WALL WHILE LIFTING TRUSS 1. SEE SEQUENCE. REPOINT BROKEN MORTAR JOINTS ON EXTERIOR FACES. SEE ELEVATION. SEE S508.

CONTINUOUS TEMPORARY BOX BEAM. INSTALL AT TOP OF MASONRY WALL. SPAN EAST-WEST. REPLACE BOX BEAM WITH 12 INCH PATTRESS PLATES WHEN WORK IS COMPLETE. SEE SEQUENCE. SEE DETAIL.

CONTINUOUS TEMPORARY BOX BEAM AND (5) 3/4 INCH HDG A36 RODS TO NORTH END OF STAGE. CONNECT MIDDLE 3 RODS TO GIRDERS ABOVE WITH PLYWOOD BOX BEAM. TIGHTEN RODS TO PULL BOX BEAM AGAINST EXTERIOR MASONRY WALL WHILE LIFTING TRUSS 1. SEE SEQUENCE. REPOINT BROKEN MORTAR JOINTS ON EXTERIOR FACES. SEE ELEVATION. SEE S508.

CONTINUOUS TEMPORARY BOX BEAM AND (4) 1 INCH HDG A36 RODS THROUGH BUILDING TO EAST WALL. TIGHTEN RODS TO PULL BOX BEAM AGAINST EXTERIOR MASONRY WALL WHILE LIFTING TRUSS 1. SEE SEQUENCE. REPOINT BROKEN MORTAR JOINTS ON EXTERIOR FACES. SEE ELEVATION. SEE S508.

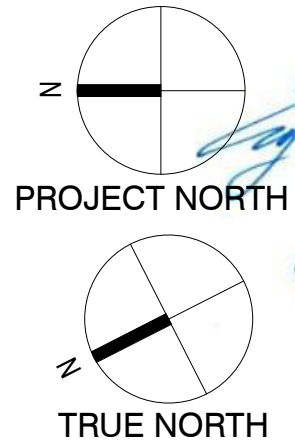
CONTINUOUS TEMPORARY BOX BEAM. INSTALL AT TOP OF MASONRY WALL. SPAN EAST-WEST. REPLACE BOX BEAM WITH 12 INCH PATTRESS PLATES WHEN WORK IS COMPLETE. SEE SEQUENCE. SEE DETAIL.

PLYWOOD BOX BEAM. SEE S508.

NEW PLYWOOD ATTIC DIAPHRAGM ABOVE. SEE S103.

PL 1/2 X 4 X 4 WITH NUT ON TIE ROD, SNUG TO FACE OF PLYWOOD BOX BEAM AT EASTERN AND WESTERNMOST NORTH-SOUTH RODS.

1 STAGE & AUDITORIUM REFLECTED CEILING PLAN SCALE: 1/8" = 1'-0"



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

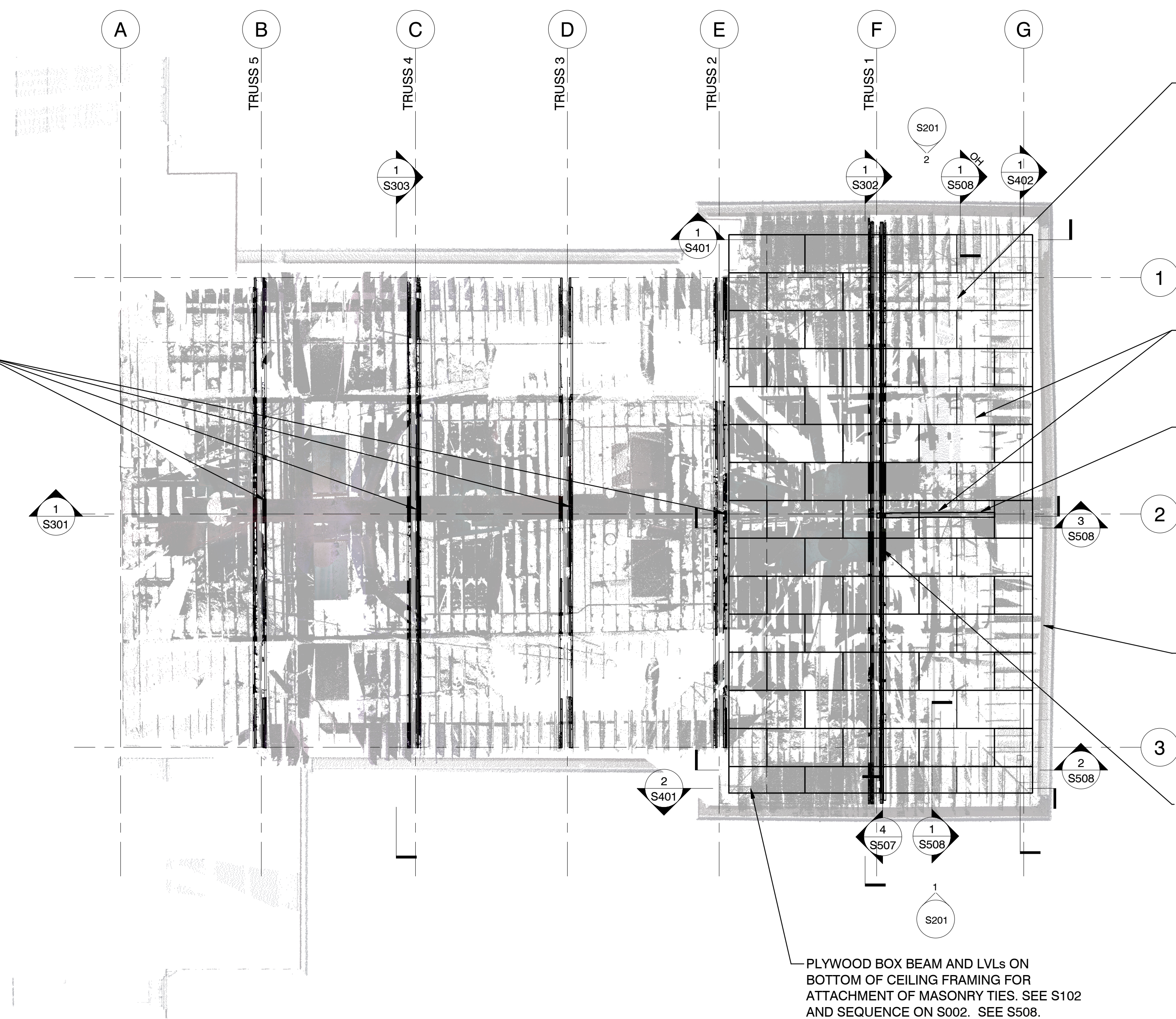
Job Name: McCelvey Center - York  
Sheet Title: STAGE REFLECTED CEILING PLAN

Date of Issue: August 24, 2023  
Job Number: 21-018  
Sheet Number: S102

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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USE EXISTING SHORING SYSTEM TO LIFT TRUSSES 2-5 APPROXIMATELY 1 INCH IN THE MIDDLE. DO NOT LIFT ENDS OF TRUSS OFF OF SUPPORTING WALL. SEE SEQUENCE ON S002. ANTICIPATED LIFTING TIME: 1 DAY PER TRUSS FOR A CREW OF 4.

EOR MUST BE ON-SITE FOR ALL TRUSS LIFTS.

INSTALL RODS ON EACH SIDE OF EXISTING TRUSS BOTTOM CHORD. SEE DETAILS.

SISTER EXISTING TOP CHORDS WITH 1 - 1.75X7.25 LVL EACH SIDE. SISTER DIAGONAL WEB COMPRESSION MEMBERS WITH 1 - 1.75X9.25 LVL EACH SIDE (2 TOTAL PER SISTERED MEMBER PER TRUSS). SEE DETAIL FOR FASTENING.

AFTER LIFTING TRUSS 1, INSTALL 15/32" STRUCTURAL 1 PLYWOOD DIAPHRAGM OVER ATTIC FLOOR FRAMING OVER WHOLE STAGE (BETWEEN GRID LINES E & G). SEE S102 AND SEQUENCE ON S002. BLOCK ALL EDGES OF PLYWOOD WITH 2X4s. SECURE EDGES OF ALL PLYWOOD SHEETS WITH #9 X 1 1/2 INCH SCREWS EVERY 4 INCHES AROUND EDGES OF EACH SHEET OF PLYWOOD AND EVERY 12 INCHES AT INTERIOR OF EACH SHEET OF PLYWOOD.

AFTER LIFTING TRUSS, REATTACH EXISTING JOISTS TO EXISTING NORTH-SOUTH GIRDER WITH NEW 500 LB CAPACITY JOIST HANGERS, TYP.

EXISTING NORTH-SOUTH GIRDER SPANNING FROM TRUSS 1 TO SOUTH WALL.

INSTALL TEMPORARY LVL BOX BEAM AT TOP OF STAGE EXTERIOR MASONRY WALLS. SEE S102 AND SEQUENCE ON S002. SEE ELEVATIONS. SEE DETAIL.

USE EXISTING SHORING SYSTEM TO LIFT TRUSS 1. SEE S102 AND SEQUENCE ON S002. ANTICIPATED LIFTING TIME: 2 DAYS FOR A CREW OF 4.

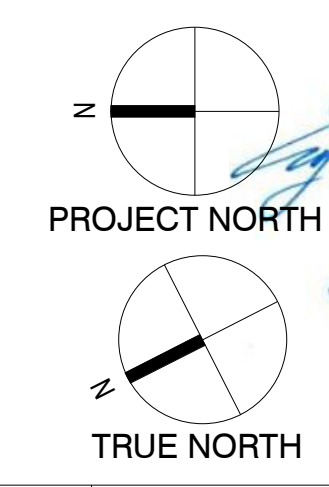
EOR MUST BE ON-SITE FOR ALL TRUSS LIFTS.

SISTER EXISTING TRUSS BOTTOM CHORD WITH 2 - 1.75X14 LVLS ON EACH SIDE OF TRUSS 1 (4 TOTAL). FILL GAPS BETWEEN TRUSS AND LVL ON EACH SIDE WITH 1 LAYER OF 2X10 SPF NO. 2 (2 TOTAL). INSTALL RODS ON EACH SIDE OF EXISTING TRUSS BOTTOM CHORD & NEW SISTERS. SEE DETAILS.

SISTER EXISTING TOP CHORDS WITH 2 - 1.75X11.875 LVL EACH SIDE (4 TOTAL). SISTER EXISTING DIAGONAL WEB COMPRESSION MEMBERS WITH 1 - 1.75X11.875 LVL EACH SIDE (2 TOTAL). SEE DETAIL FOR FASTENING.

PLYWOOD BOX BEAM AND LVLS ON BOTTOM OF CEILING FRAMING FOR ATTACHMENT OF MASONRY TIES. SEE S102 AND SEQUENCE ON S002. SEE S508.

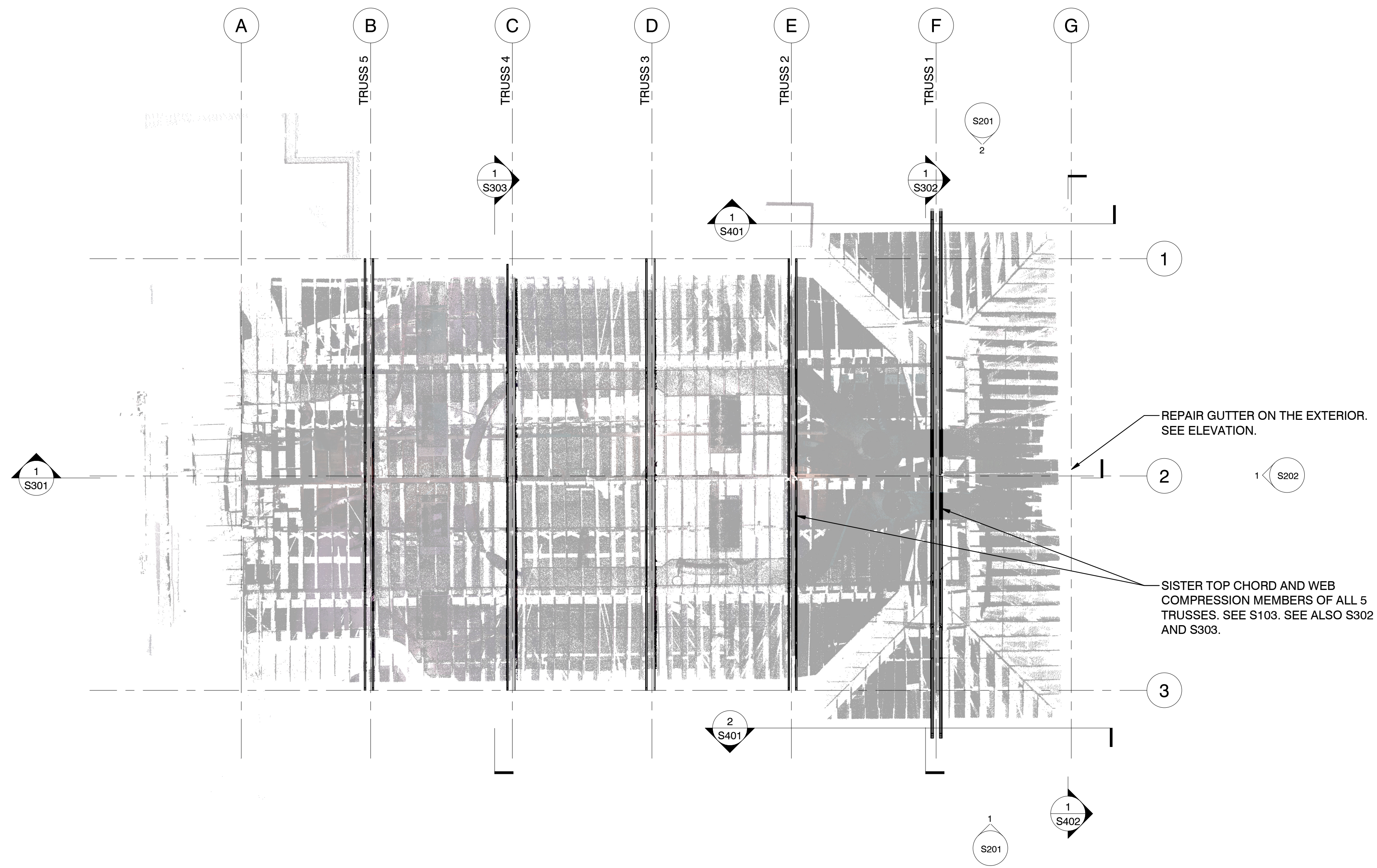
**1 ATTIC FRAMING PLAN**  
S103 SCALE: 1/8" = 1'-0"



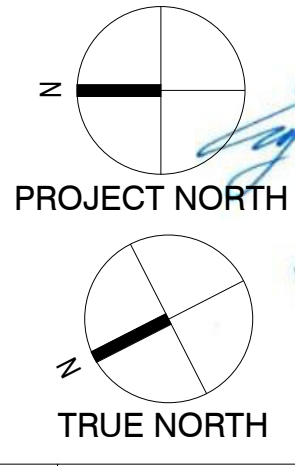
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

A B C D E F G H I J



1 ROOF FRAMING PLAN - ATTIC REFLECTED CEILING PLAN  
 S104 SCALE: 1/8" = 1'-0"



Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: McCelvey Center - York  
 Sheet Title: ROOF FRAMING PLAN

Date of Issue: August 24, 2023  
 Job Number: 21-018  
 Sheet Number: S104

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

A

B

C

D

E

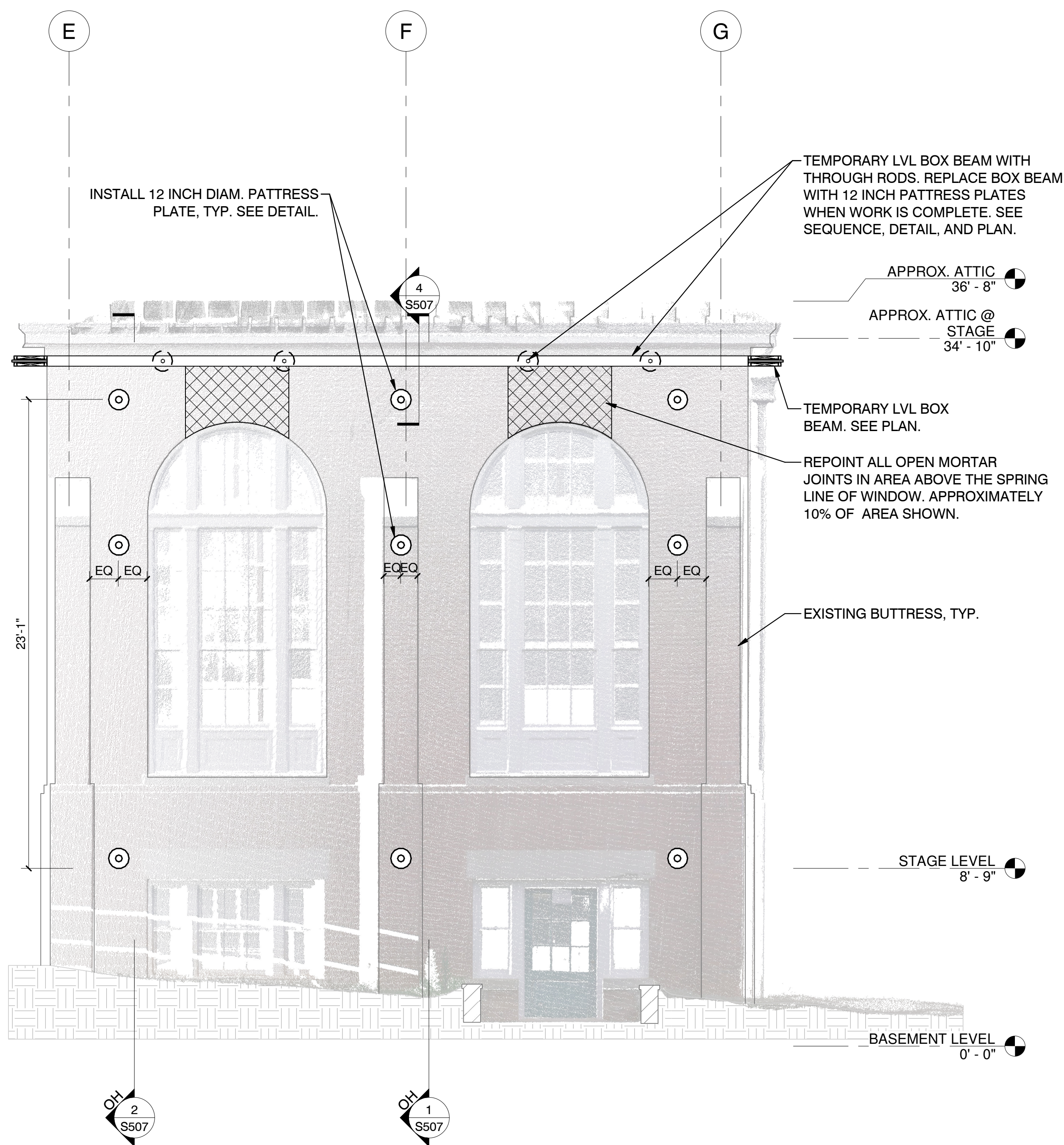
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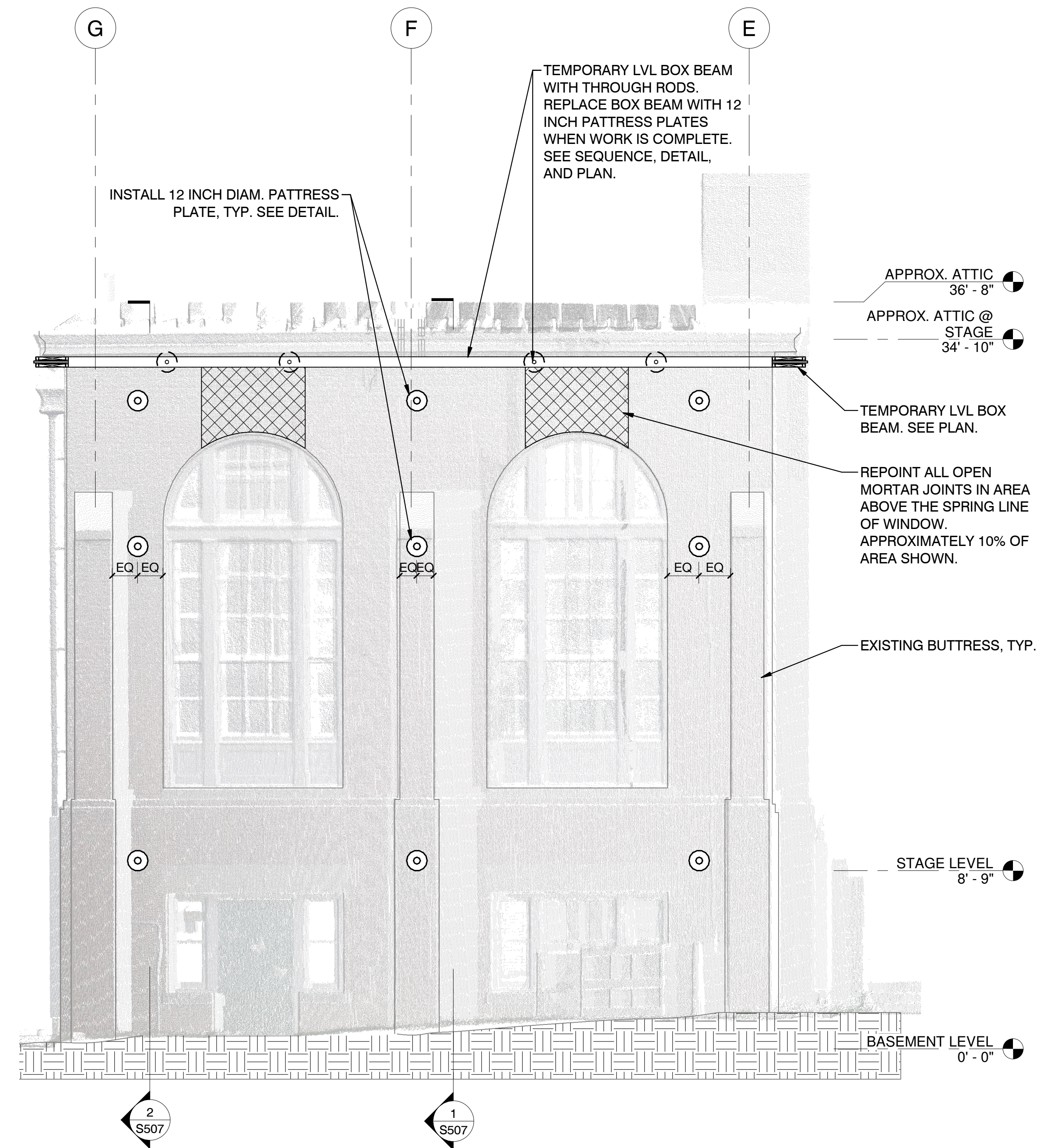
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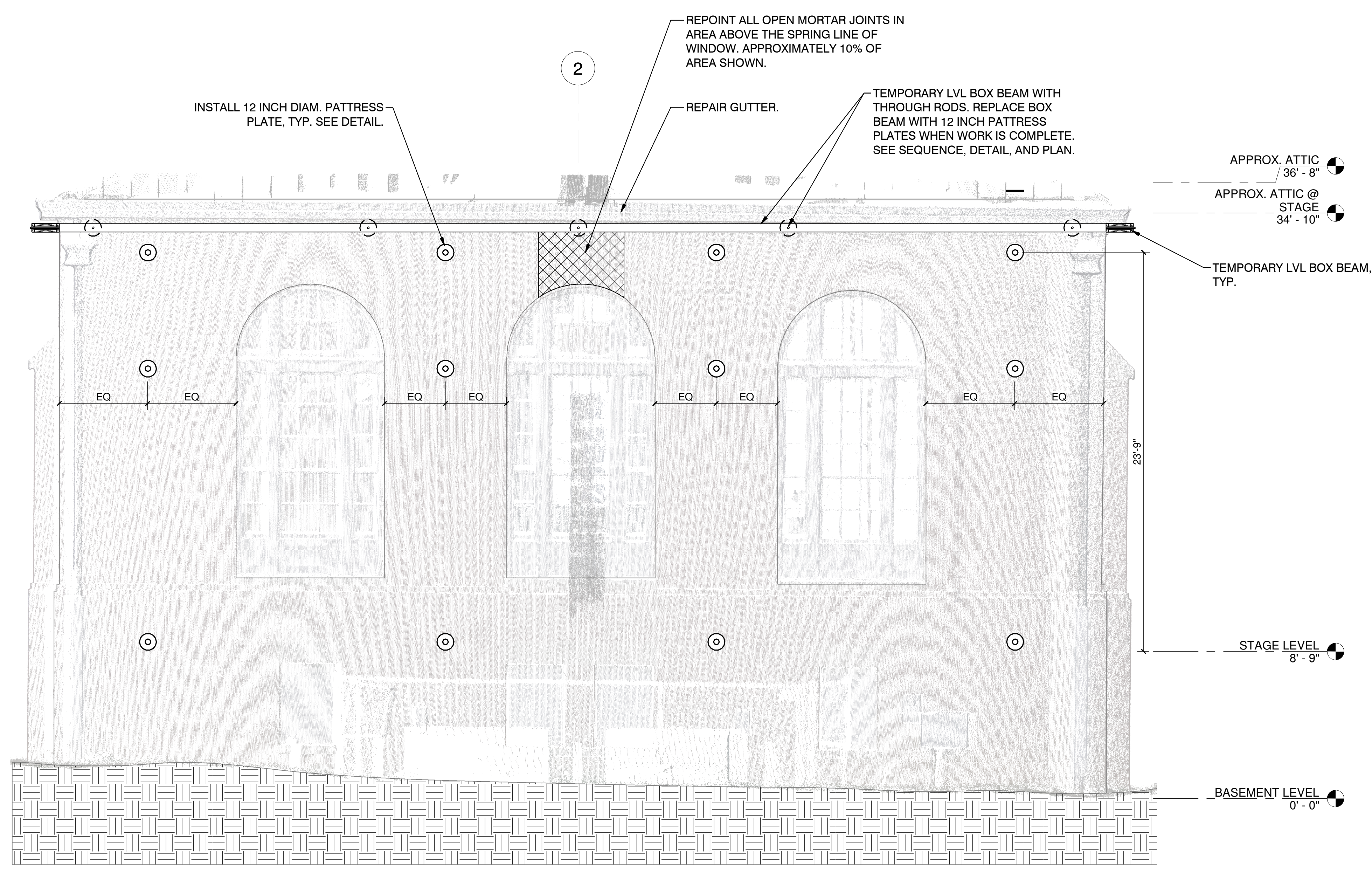
**1 WEST ELEVATION**  
S201 SCALE: 1/4" = 1'-0"



**2 EAST ELEVATION**  
S201 SCALE: 1/4" = 1'-0"

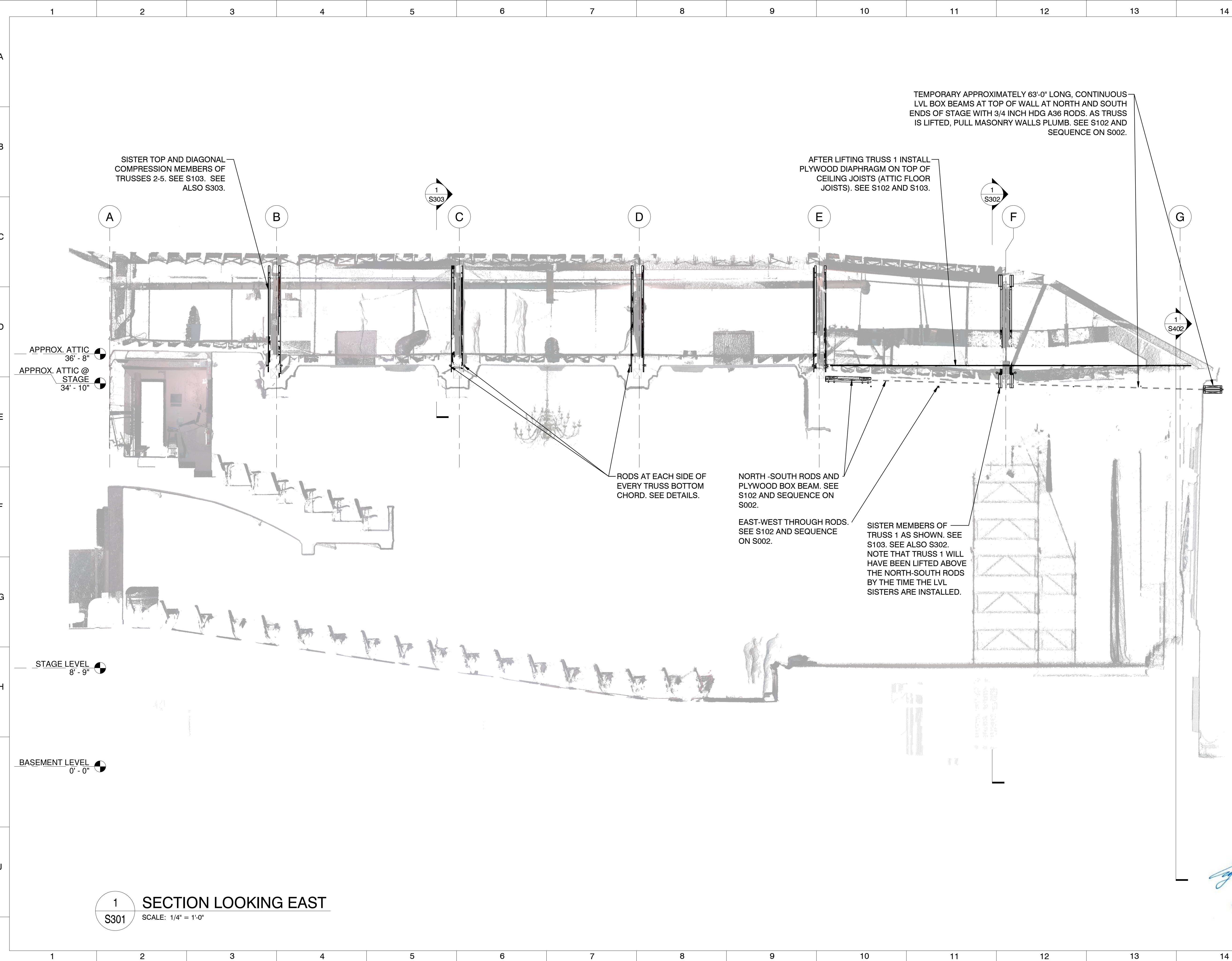






1 SOUTH ELEVATION  
S202 SCALE: 1/4" = 1'-0"





**1 SECTION LOOKING EAST**  
SCALE: 1/4" = 1'-0"

ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

INSTALL STEEL PLATES FITTED TO THE SPECIFIC LOCATION'S GEOMETRY AT TRUSS CONNECTIONS SHOWN, UNLESS NOTED OTHERWISE. TYPICAL ALL TOP CHORD, BOTTOM CHORD, AND WEB MEMBER CONNECTIONS. SEE DETAILS.

REPLACE EXISTING TRUSS 1 EAST ROD WITH 2 INCH DIAM. HDG A572 GR50 ROD.

SISTER MEMBERS OF TRUSS, UNLESS NOTED OTHERWISE. SEE NOTE ON S103.

APPROX. ATTIC  
APPROX. AT 36'-8"  
STAGE  
34'-10"

THROUGH ROD AND TEMPORARY LVL BOX BEAM. SEE S102 AND SEQUENCE ON S002.

STAGE LEVEL  
8'-9"

BASEMENT LEVEL  
0'-0"

EXISTING WEB TENSION MEMBER. NO SISTER.  
WEB COMPRESSION MEMBER.

REPLACE EXISTING TRUSS 1 CENTER ROD WITH 1 1/8 INCH DIAM. HDG A572 GR50 ROD.

EXISTING WEB TENSION MEMBER. NO SISTER.

WEB COMPRESSION MEMBER.

REPLACE EXISTING TRUSS 1 WEST ROD WITH 2 INCH DIAM. HDG A572 GR50 ROD.

AFTER LIFTING TRUSS 1 INSTALL PLYWOOD DIAPHRAGM. SEE S103.

THROUGH ROD AND TEMPORARY LVL BOX BEAM. SEE S102 AND SEQUENCE ON S002.

EXTEND EXISTING SHORING AT TRUSS 1 VERTICALLY TO SUPPORT TRUSS 1 AT THE TOP CHORD AT THE 3 INTERIOR SHORING TOWERS (IN-PLACE).

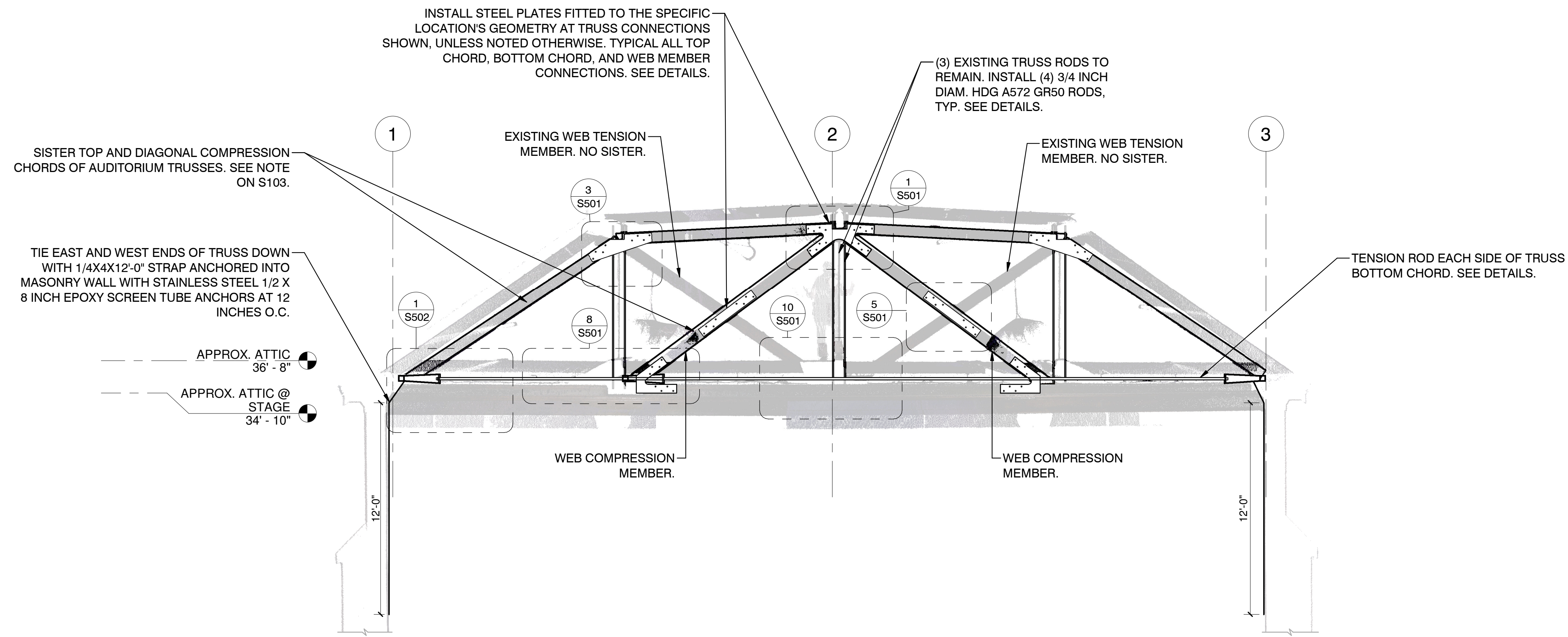
VERTICAL HSS, TYP. SEE INTERIOR ELEVATIONS.

**1 TRUSS 1 - SECTION LOOKING SOUTH**  
SCALE: 1/4" = 1'-0"



1 2 3 4 5 6 7 8 9 10 11 12 13 14

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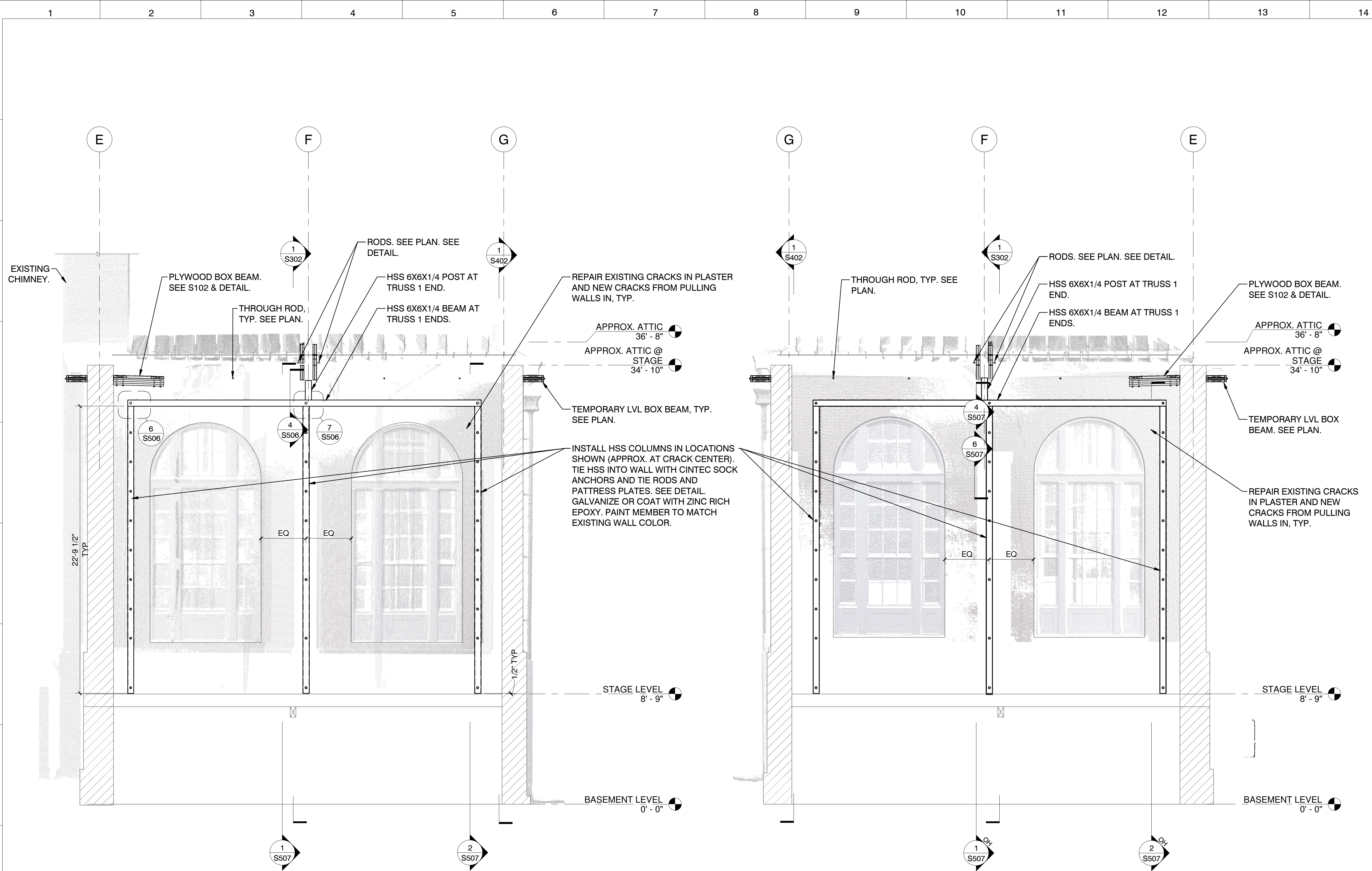


1  
S303  
TYPICAL TRUSS 2, 3, 4, & 5 - SECTION LOOKING SOUTH  
SCALE: 1/4" = 1'-0"



1 2 3 4 5 6 7 8 9 10 11 12 13 14

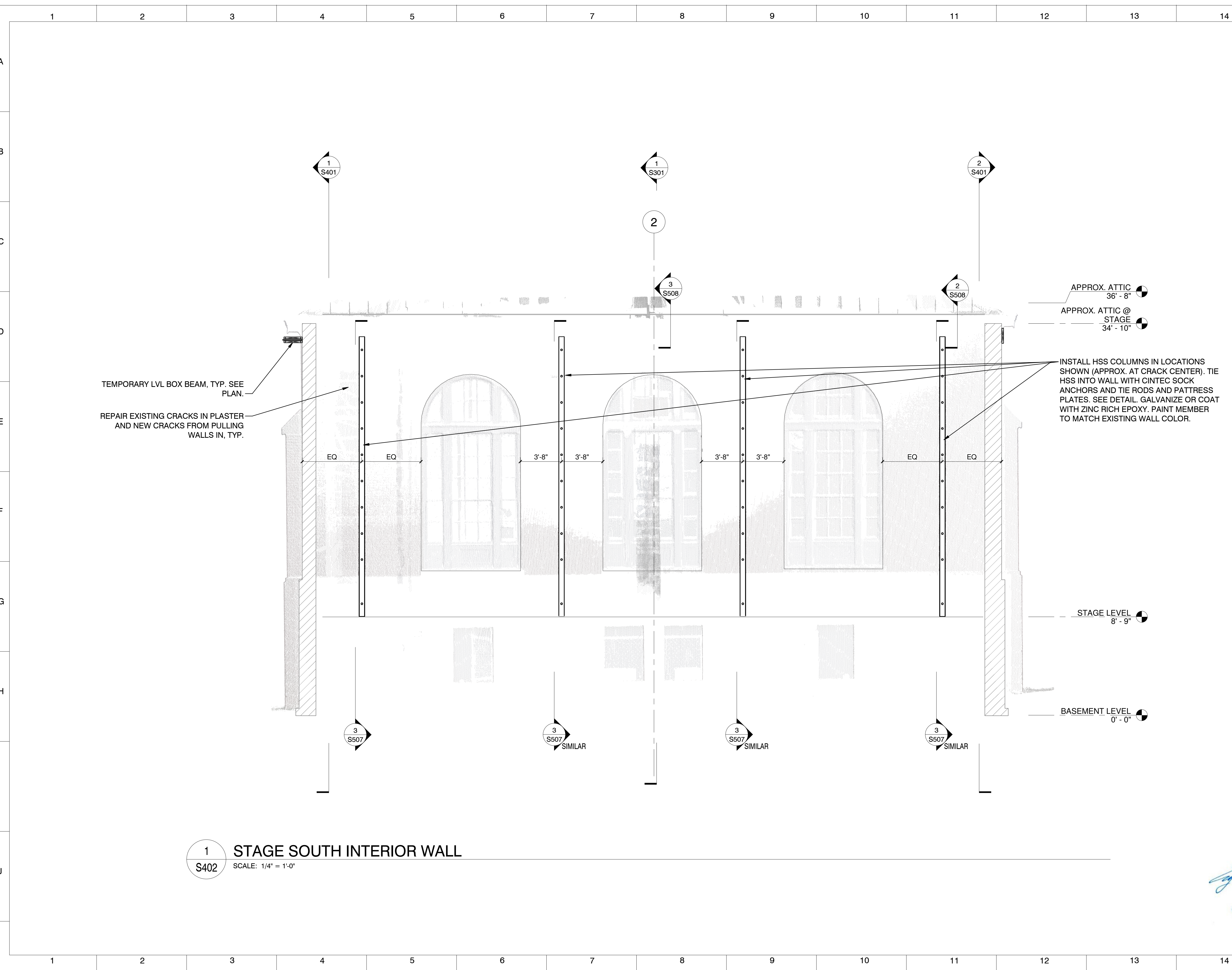
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG



**1** STAGE WEST INTERIOR WALL  
S401 SCALE: 1/4" = 1'-0"

**2** STAGE EAST INTERIOR WALL  
S401 SCALE: 1/4" = 1'-0"



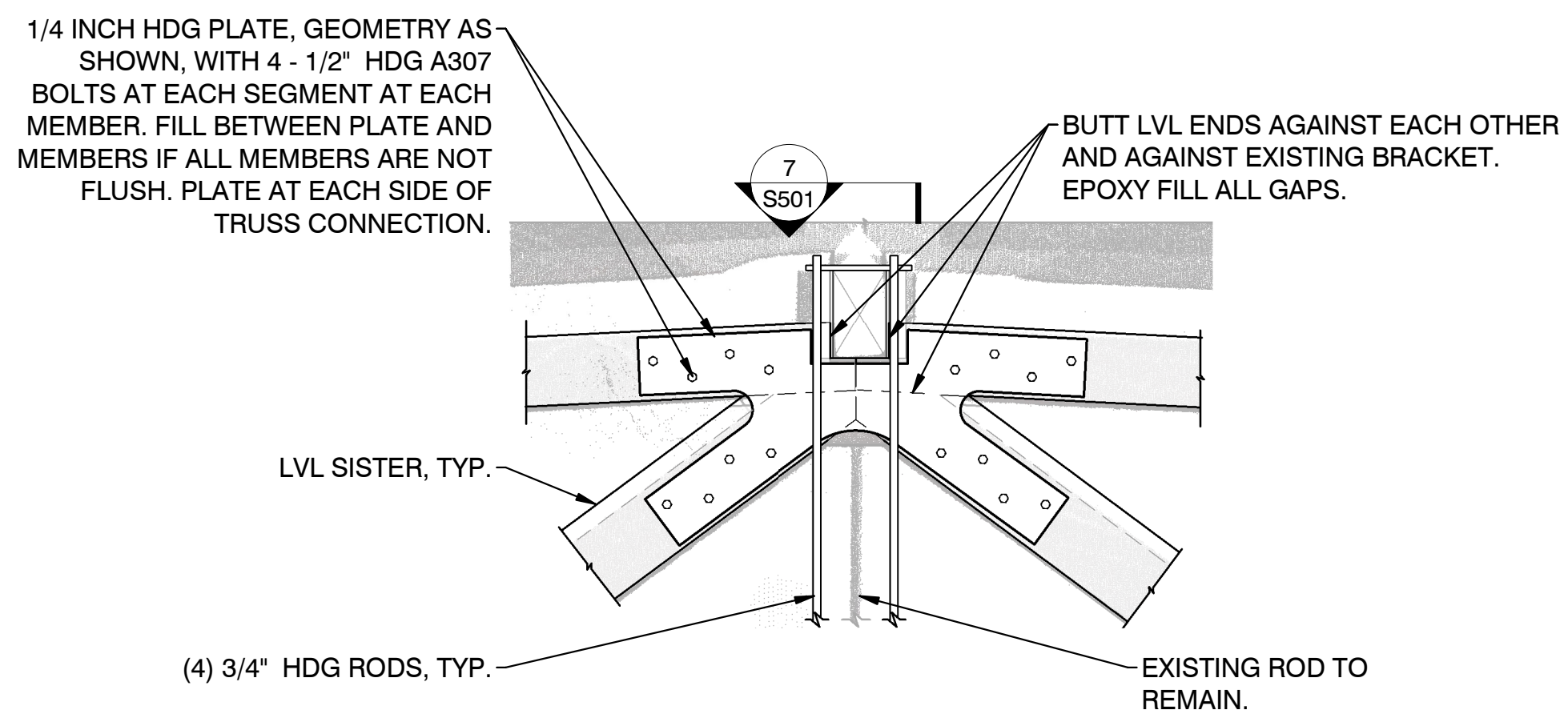


1 STAGE SOUTH INTERIOR WALL  
 S402 SCALE: 1/4" = 1'-0"

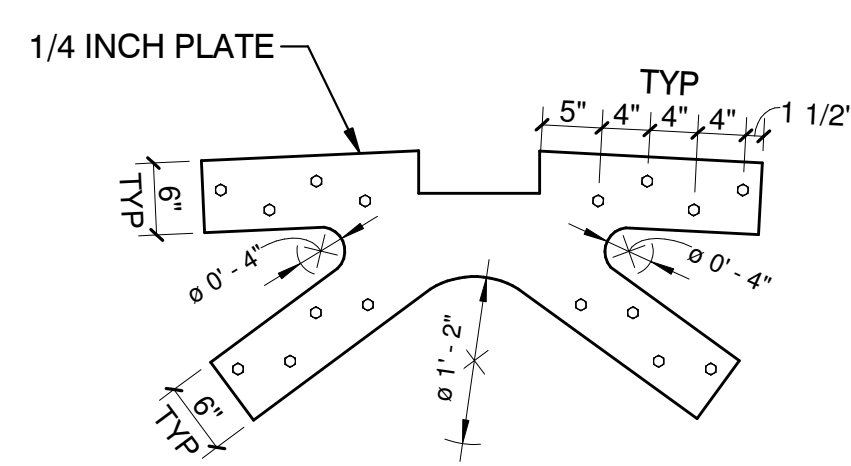


ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

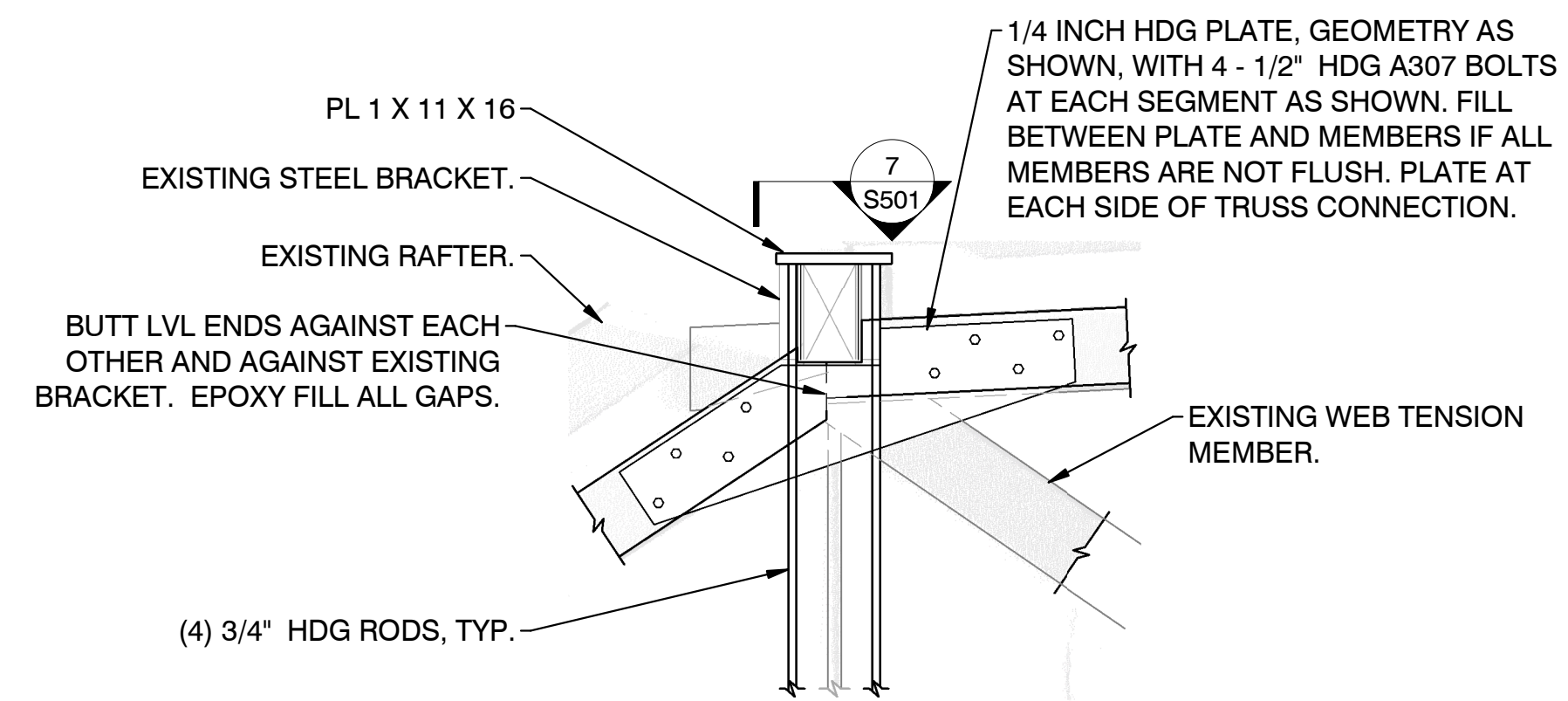
1 2 3 4 5 6 7 8 9 10 11 12 13 14



**1 TRUSS 2,3,4,5 - TOP CENTER PLATE**  
S501 SCALE: 3/4" = 1'-0"

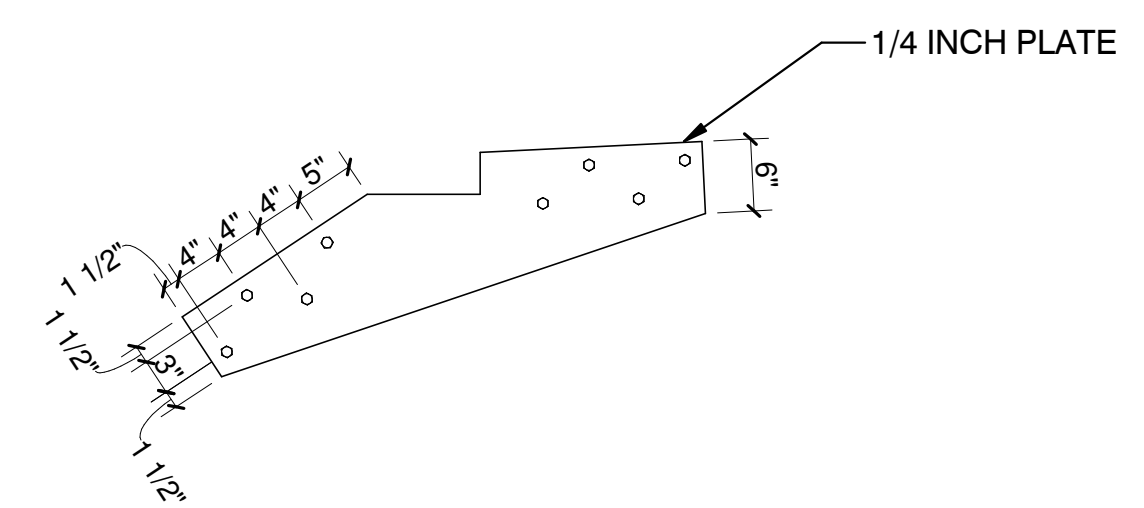


**2 TRUSS 2,3,4,5 - TOP CENTER PLATE**  
S501 SCALE: 3/4" = 1'-0"

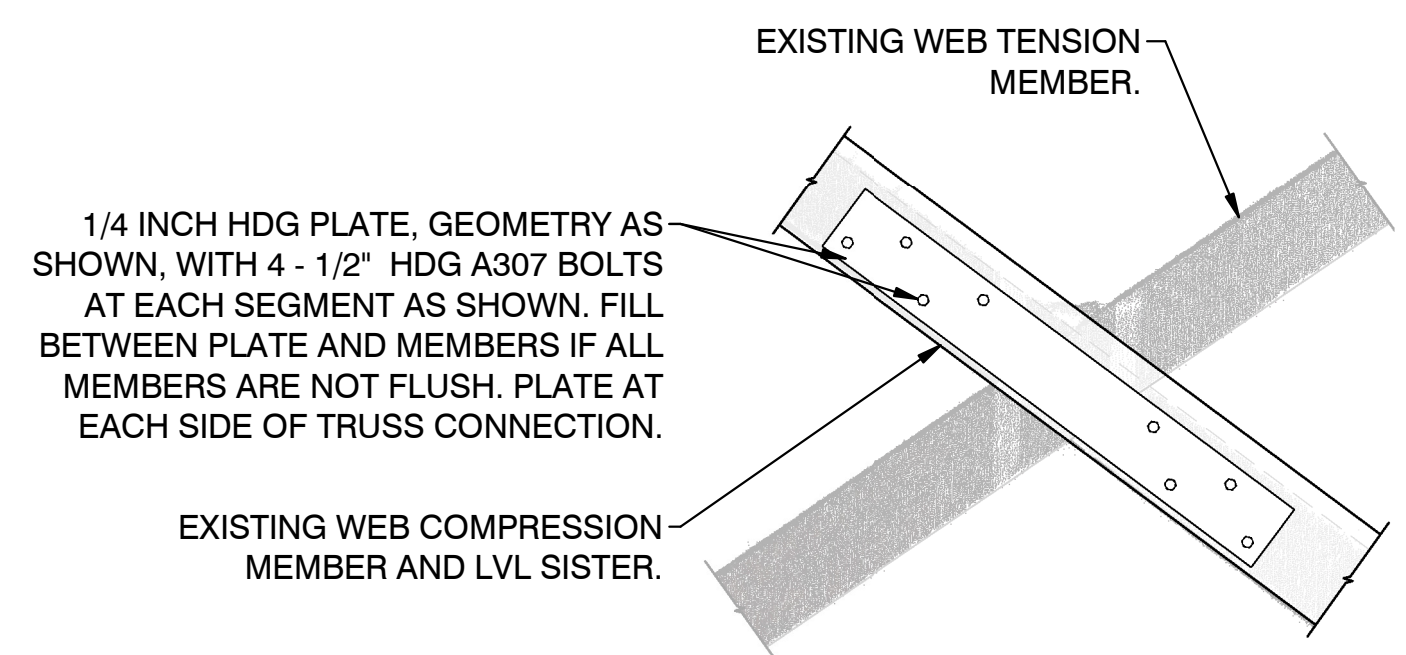


**3 TRUSS 2,3,4,5 - TOP CORNER PLATE**  
S501 SCALE: 3/4" = 1'-0"

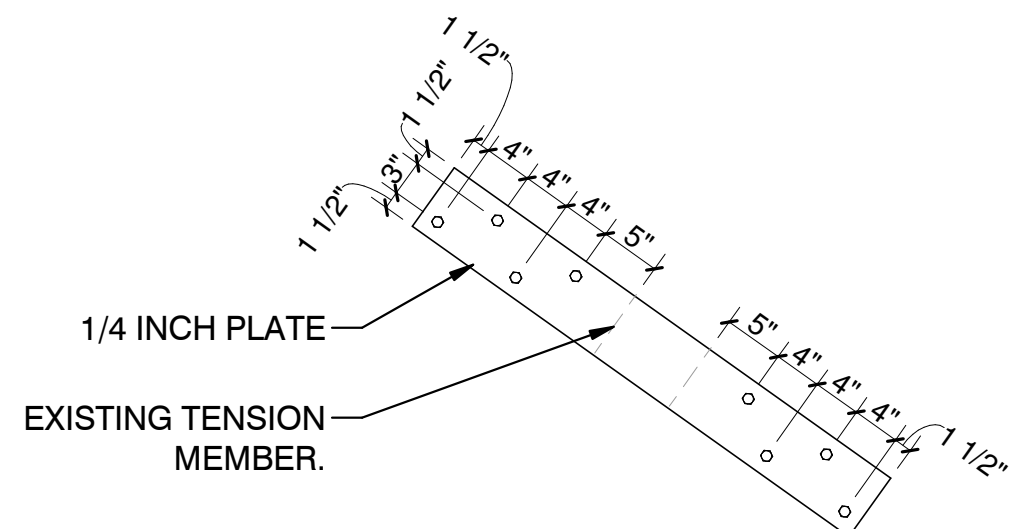
- DETAIL SHEET NOTES:**
- TRUSS 4 CONDITIONS AND GEOMETRY SHALL BE CONSIDERED THE TYPICAL CONDITION FOR ALL AUDITORIUM TRUSSES (TRUSSES 2-5).
  - THE REPAIR WORK FOR TRUSS 4 SHALL BE THE REPAIR WORK FOR ALL AUDITORIUM TRUSSES (TRUSSES 2-5).
  - CONTRACTOR MUST SUBMIT PLYWOOD OR DOOR SKIN TEMPLATE OF EACH TRUSS CONNECTION PLATE, VERIFIED IN FIELD, TO OWNER FOR EOR REVIEW FOR ALL SIDES OF EACH TRUSS. CENTER PLATE LEG CENTERLINE AT EXISTING MEMBER CENTERLINE.
  - TEMPORARILY REMOVE THE EXISTING ATTIC JOISTS AT EACH SIDE OF EACH TRUSS BOTTOM CHORD FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  - AT EACH SIDE OF EACH TRUSS, SHORE RAFTERS. CUT 2 FEET FROM EXISTING RAFTER END. AFTER WORK IS COMPLETE, SISTER THE RAFTER WITH A 2X8 NO. 1 SP FOR ORIGINAL FULL LENGTH.
  - AT NORTH SIDE OF TRUSS 5 (THE NORTHERN MOST TRUSS), TEMPORARILY REMOVE THE HIGHER EXISTING EAST-WEST JOIST FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  - HOT DIP GALVANIZED ALL NEW METAL, UNLESS NOTED OTHERWISE.



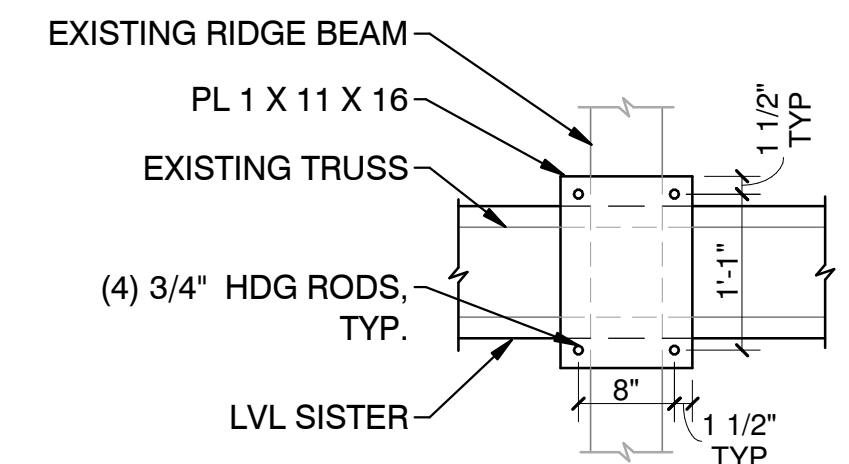
**4 TRUSS 2,3,4,5 - TOP CORNER PLATE**  
S501 SCALE: 3/4" = 1'-0"



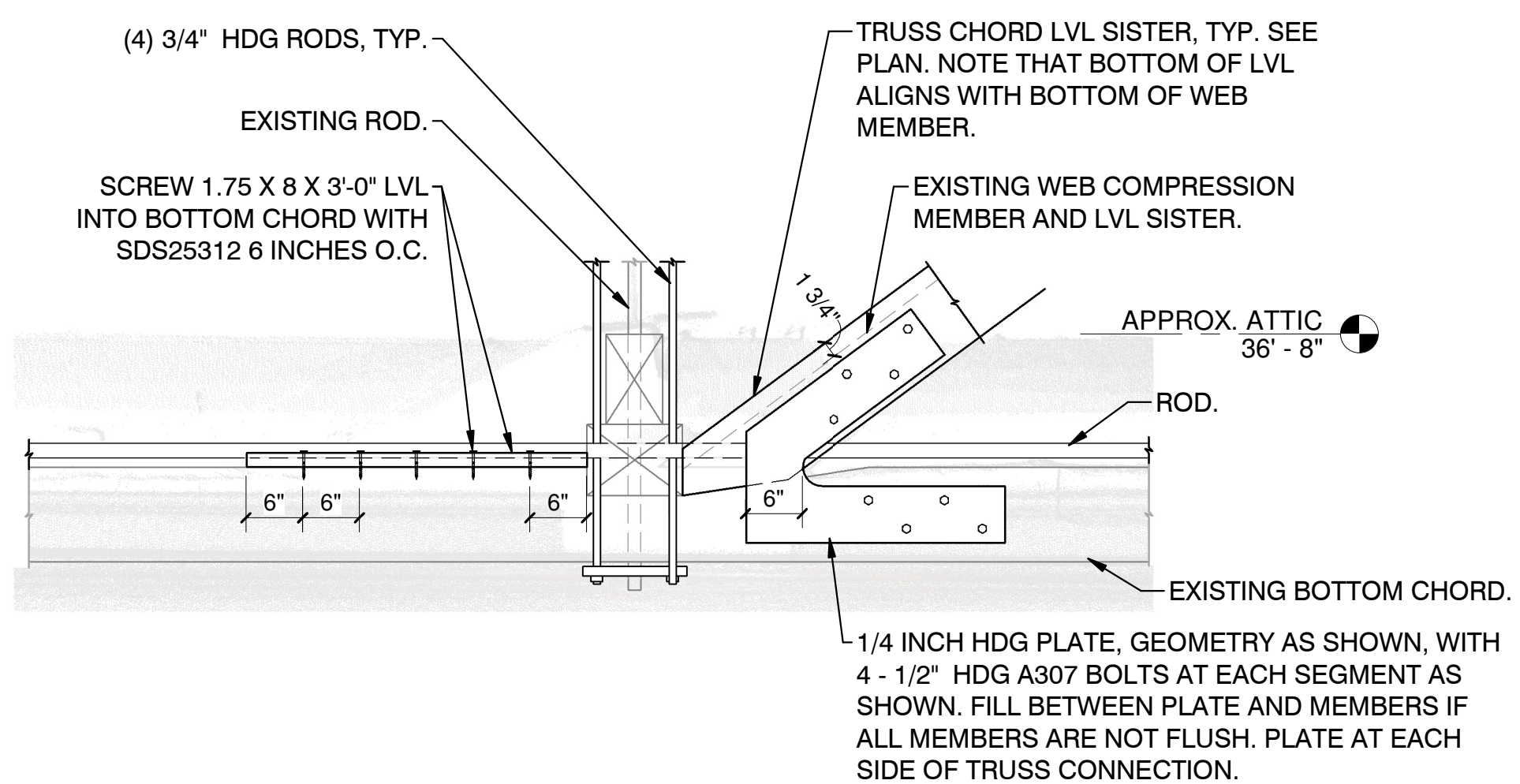
**5 TRUSS 2,3,4,5 - CROSS PLATE**  
S501 SCALE: 3/4" = 1'-0"



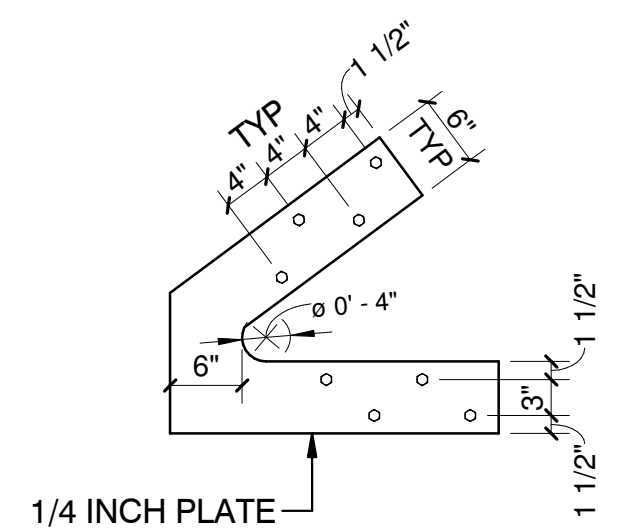
**6 TRUSS 2,3,4,5 - CROSS PLATE**  
S501 SCALE: 3/4" = 1'-0"



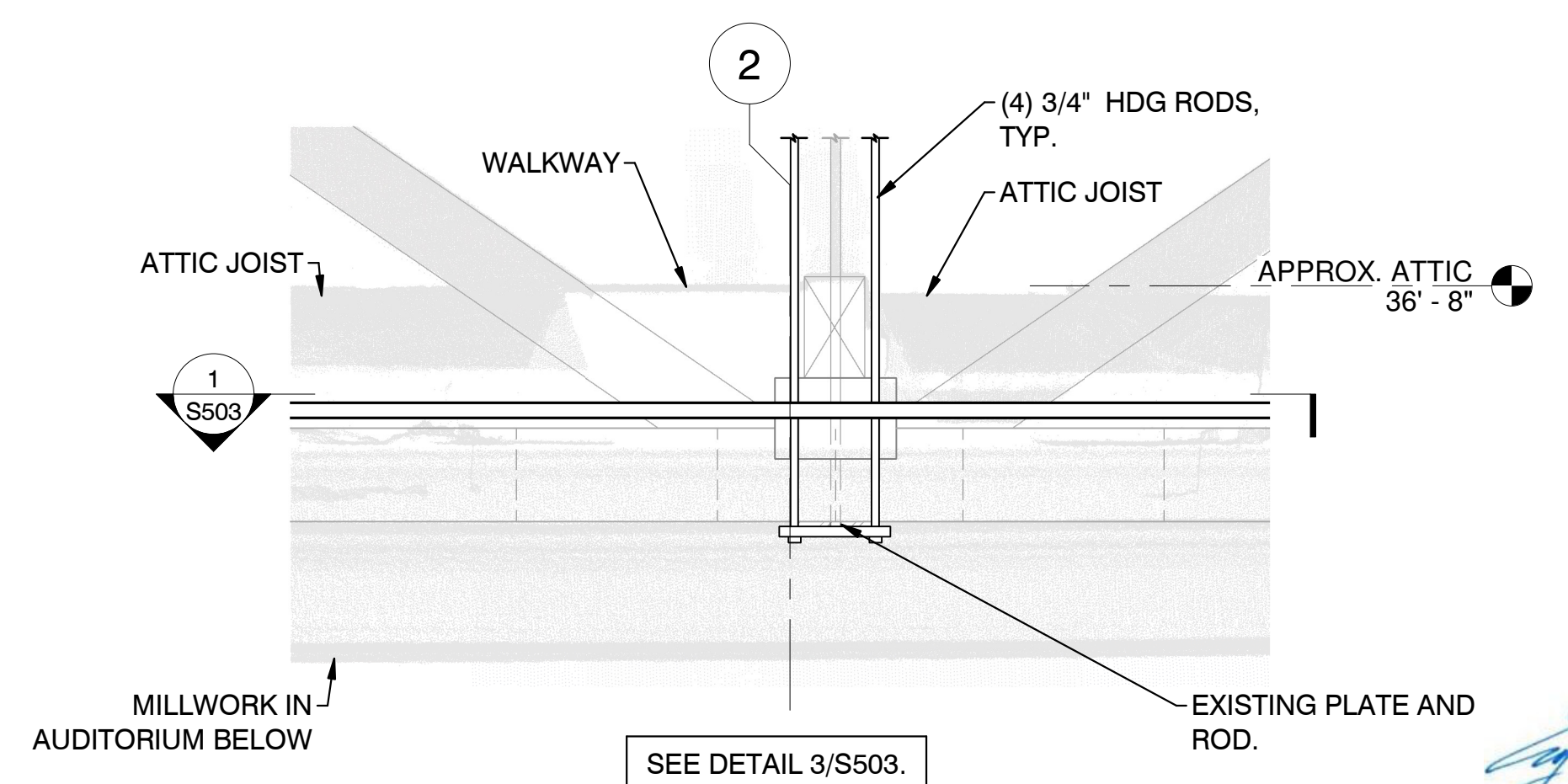
**7 TRUSS 2,3,4,5 - TOP PLATE**  
S501 SCALE: 3/4" = 1'-0"



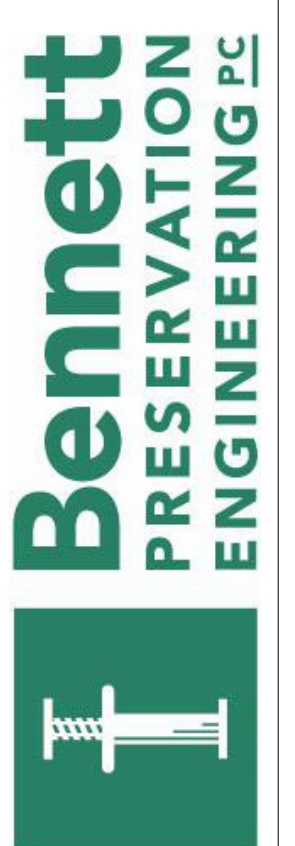
**8 TRUSS 2,3,4,5 - BOTTOM SIDE PLATE**  
S501 SCALE: 3/4" = 1'-0"



**9 TRUSS 2,3,4,5 - SIDE BOTTOM**  
S501 SCALE: 3/4" = 1'-0"



**10 TRUSS 2,3,4,5 - MID CONNECTION**  
S501 SCALE: 3/4" = 1'-0"



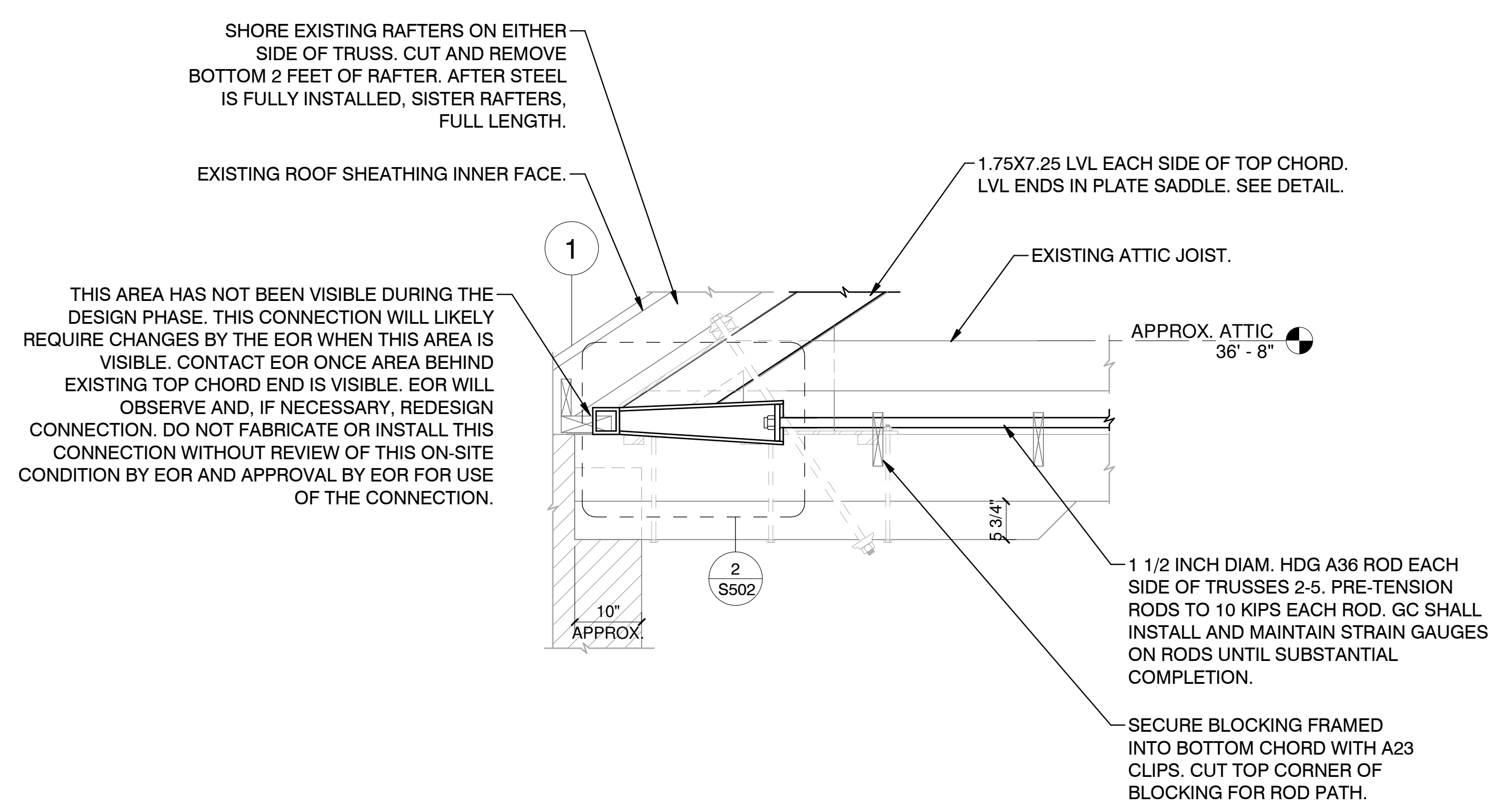
Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - York**  
Sheet Title: **DETAILS**

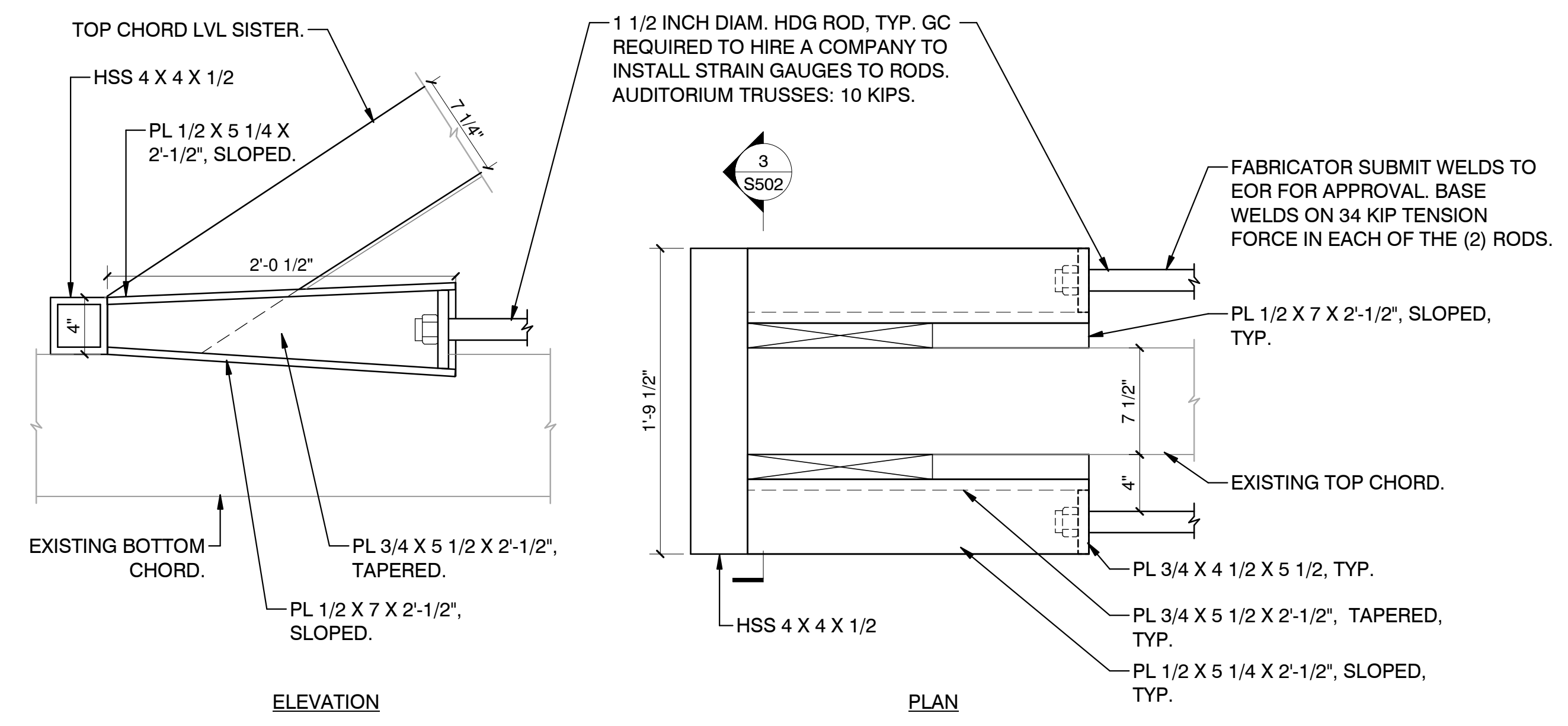
Date of Issue: **August 24, 2023**  
Job Number: **21-018**  
Sheet Number: **S501**



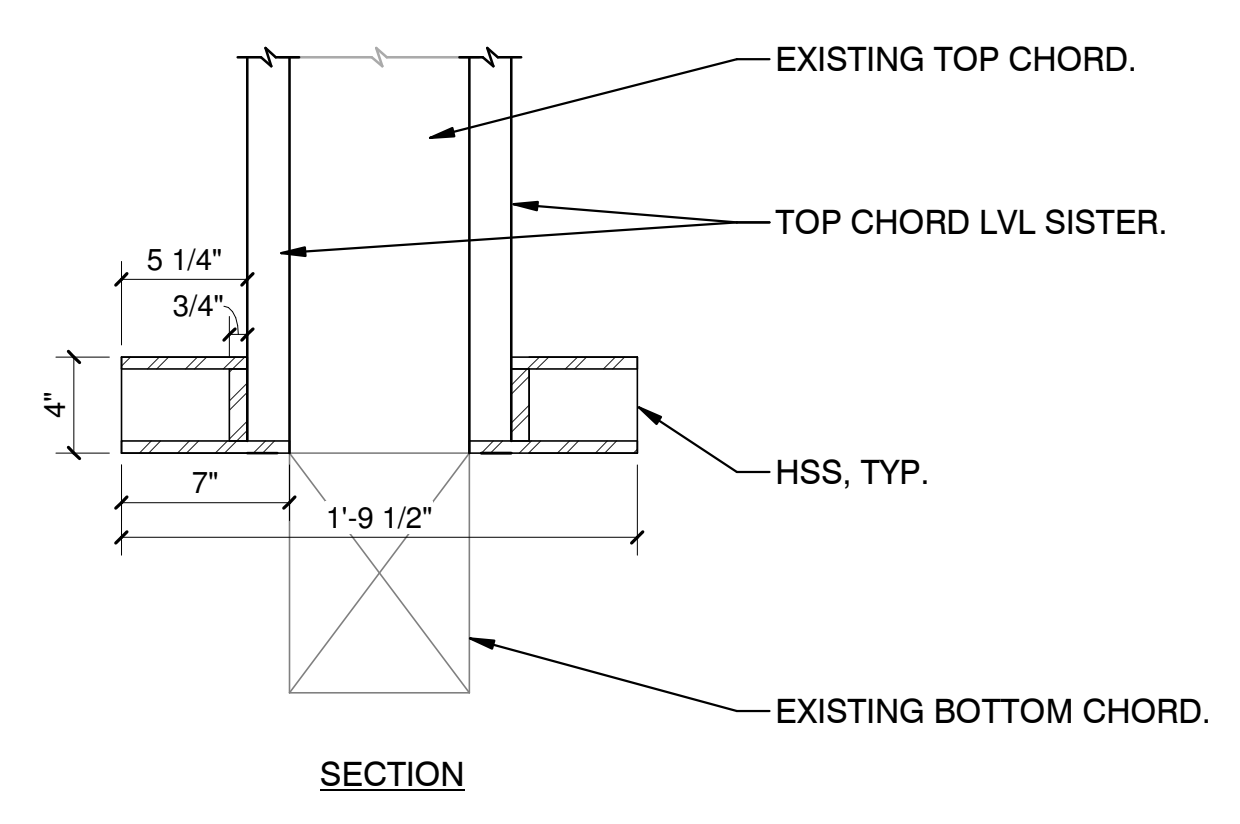
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG



**1 TRUSS 2,3,4,5 - END CONNECTION**  
 SCALE: 3/4" = 1'-0"



**2 TRUSS 2,3,4,5 - TENSION ROD SADDLE DETAIL**  
 SCALE: 1 1/2" = 1'-0"



**3 TRUSS 2,3,4,5 - TENSION ROD SADDLE DETAIL**  
 SCALE: 1 1/2" = 1'-0"

- DETAIL SHEET NOTES:**
1. TRUSS 4 CONDITIONS AND GEOMETRY SHALL BE CONSIDERED THE TYPICAL CONDITION FOR ALL AUDITORIUM TRUSSES (TRUSSES 2-5).
  2. THE REPAIR WORK FOR TRUSS 4 SHALL BE THE REPAIR WORK FOR ALL AUDITORIUM TRUSSES (TRUSSES 2-5).
  3. CONTRACTOR MUST SUBMIT PLYWOOD OR DOOR SKIN TEMPLATE OF EACH TRUSS CONNECTION PLATE, VERIFIED IN FIELD, TO OWNER FOR EOR REVIEW FOR ALL SIDES OF EACH TRUSS. CENTER PLATE LEG CENTERLINE AT EXISTING MEMBER CENTERLINE.
  4. TEMPORARILY REMOVE THE EXISTING ATTIC JOISTS AT EACH SIDE OF EACH TRUSS BOTTOM CHORD FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  5. AT EACH SIDE OF EACH TRUSS, SHORE RAFTERS. CUT 2 FEET FROM EXISTING RAFTER END. AFTER WORK IS COMPLETE, SISTER THE RAFTER WITH A 2X8 NO. 1 SP FOR ORIGINAL FULL LENGTH.
  6. AT NORTH SIDE OF TRUSS 5 (THE NORTHERN MOST TRUSS), TEMPORARILY REMOVE THE HIGHER EXISTING EAST-WEST JOIST FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  7. HOT DIP GALVANIZED ALL NEW METAL, UNLESS NOTED OTHERWISE.



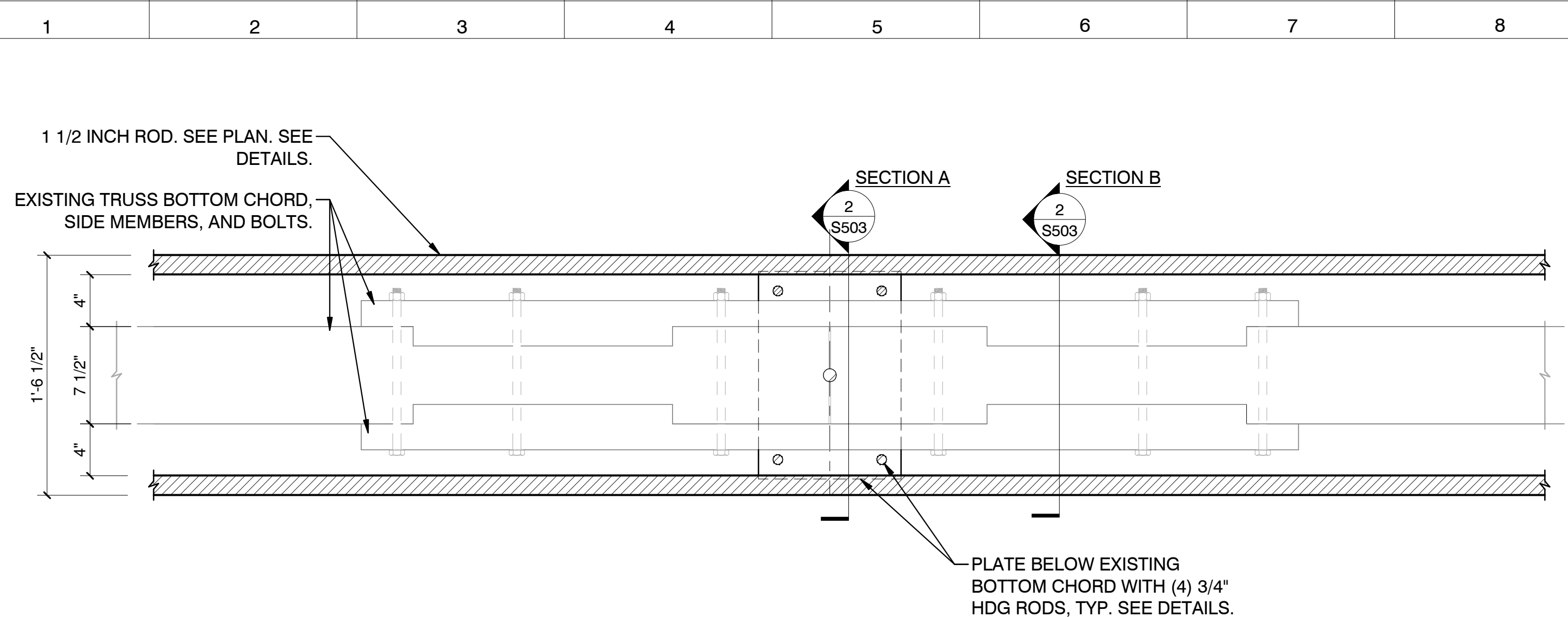
Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - York**  
 Sheet Title: **DETAILS**

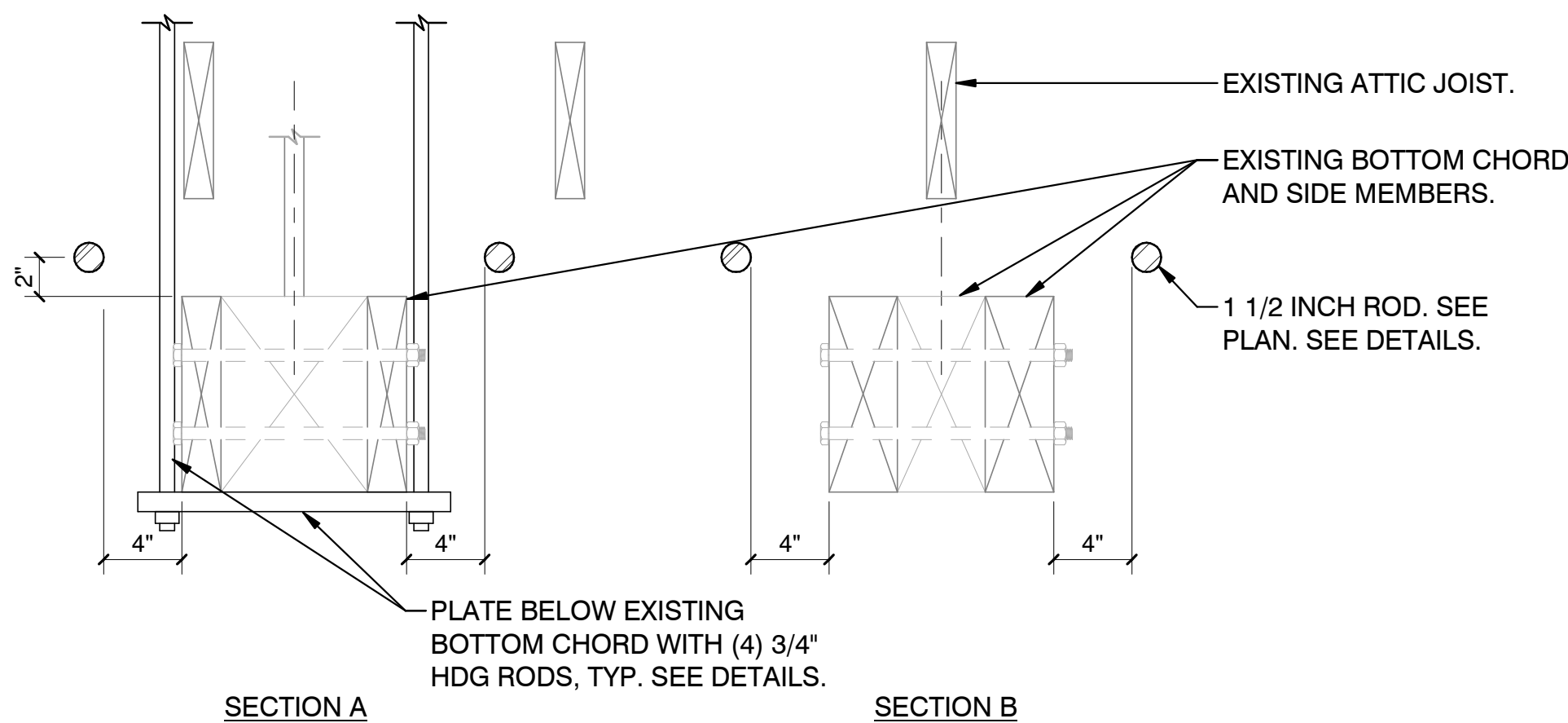
Date of Issue: **August 24, 2023**  
 Job Number: **21-018**  
 Sheet Number: **S502**



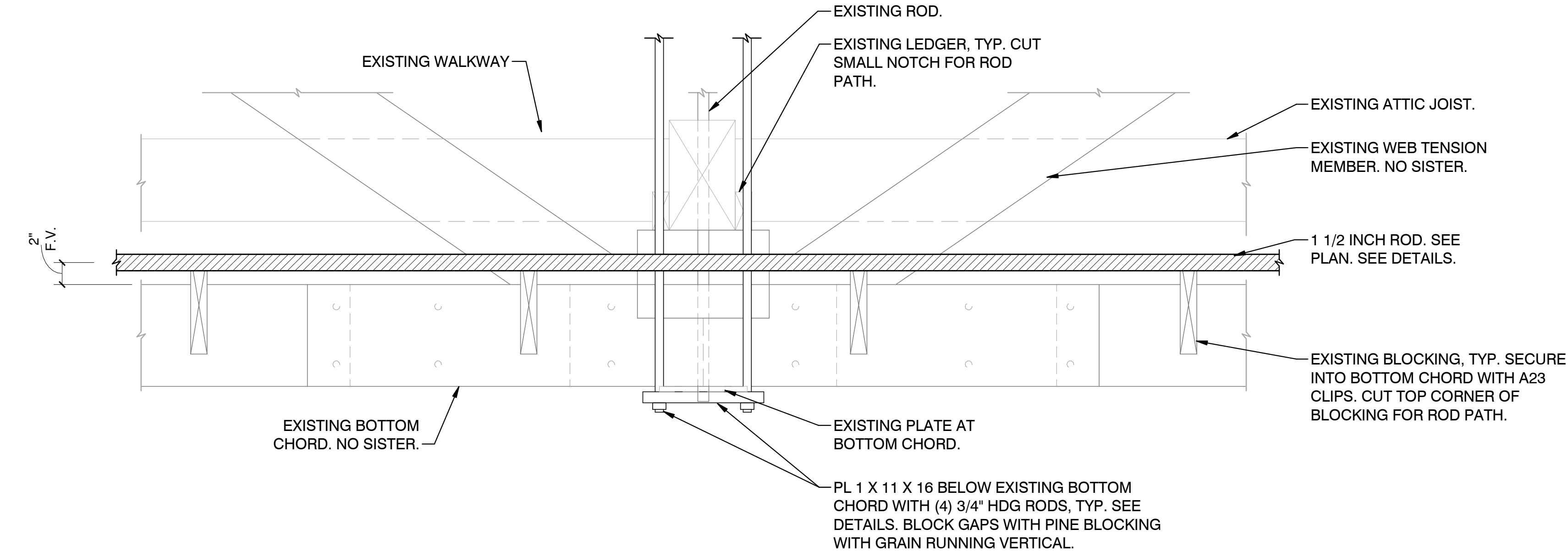




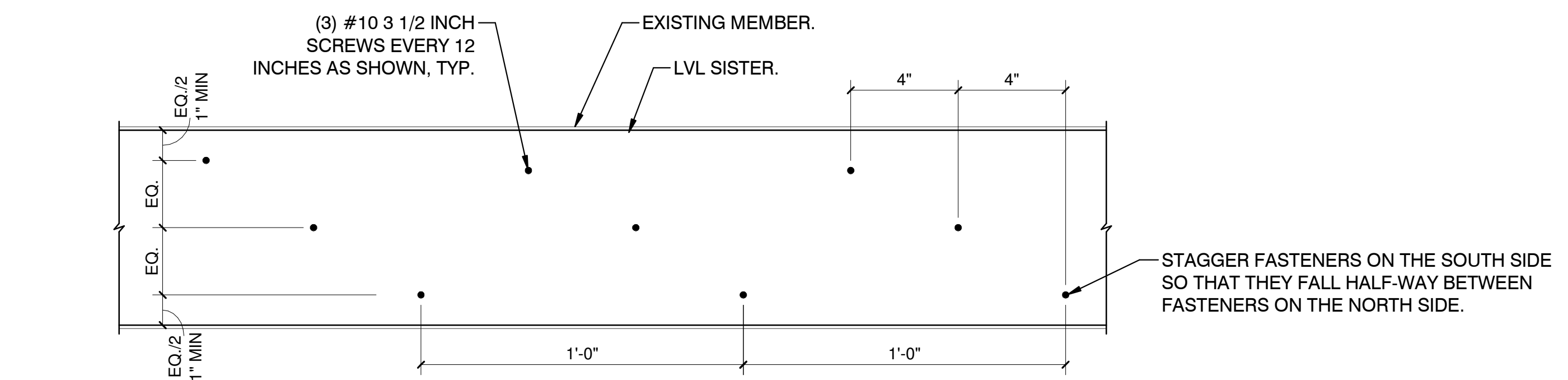
**1 TRUSS 2,3,4,5 BOTTOM CHORD DETAIL**  
 S503 SCALE: 1 1/2" = 1'-0"



**2 TRUSS 2,3,4,5 BOTTOM CHORD SECTION**  
 S503 SCALE: 1 1/2" = 1'-0"



**3 TRUSS 2,3,4,5 BOTTOM CHORD ELEVATION DETAIL**  
 S503 SCALE: 1 1/2" = 1'-0"



**4 TRUSS 2,3,4,5 TYPICAL SISTER FASTENER PATTERN - ELEVATION**  
 S503 SCALE: 3" = 1'-0"

- DETAIL SHEET NOTES:**
1. TRUSS 4 CONDITIONS AND GEOMETRY SHALL BE CONSIDERED THE TYPICAL CONDITION FOR ALL AUDITORIUM TRUSSES (TRUSSES 2-5).
  2. THE REPAIR WORK FOR TRUSS 4 SHALL BE THE REPAIR WORK FOR ALL AUDITORIUM TRUSSES (TRUSSES 2-5).
  3. CONTRACTOR MUST SUBMIT PLYWOOD OR DOOR SKIN TEMPLATE OF EACH TRUSS CONNECTION PLATE, VERIFIED IN FIELD, TO OWNER FOR EOR REVIEW FOR ALL SIDES OF EACH TRUSS. CENTER PLATE LEG CENTERLINE AT EXISTING MEMBER CENTERLINE.
  4. TEMPORARILY REMOVE THE EXISTING ATTIC JOISTS AT EACH SIDE OF EACH TRUSS BOTTOM CHORD FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  5. AT EACH SIDE OF EACH TRUSS, SHORE RAFTERS. CUT 2 FEET FROM EXISTING RAFTER END. AFTER WORK IS COMPLETE, SISTER THE RAFTER WITH A 2X8 NO. 1 SP FOR ORIGINAL FULL LENGTH.
  6. AT NORTH SIDE OF TRUSS 5 (THE NORTHERN MOST TRUSS), TEMPORARILY REMOVE THE HIGHER EXISTING EAST-WEST JOIST FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  7. HOT DIP GALVANIZED ALL NEW METAL, UNLESS NOTED OTHERWISE.



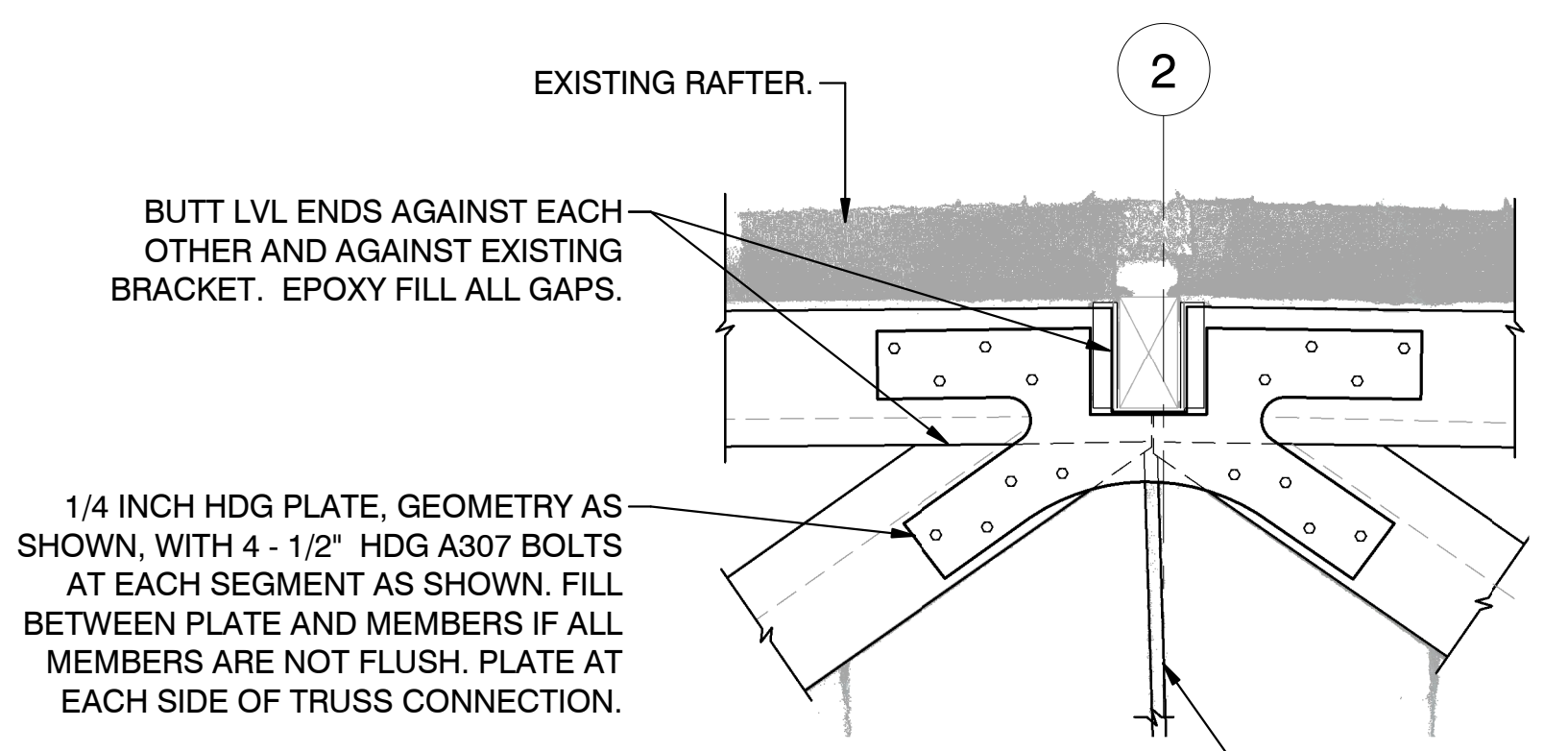
Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - York**  
 Sheet Title: **DETAILS**

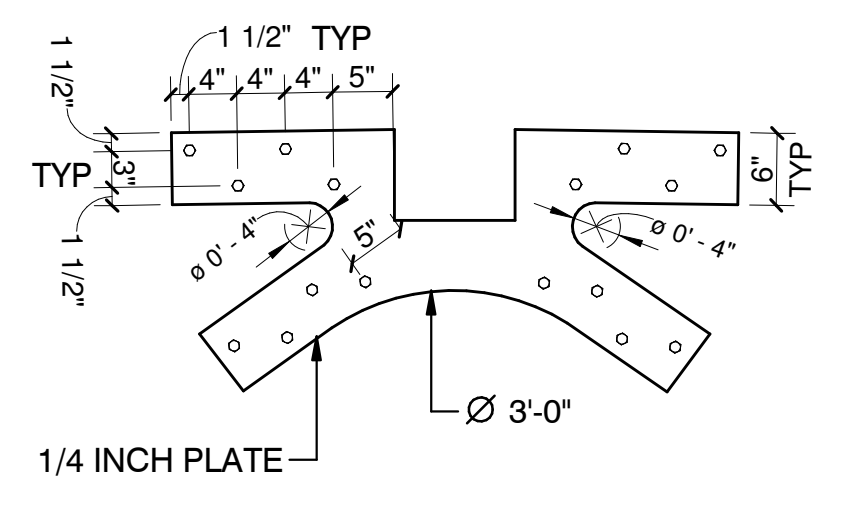
Date of Issue: **August 24, 2023**  
 Job Number: **21-018**  
 Sheet Number: **S503**



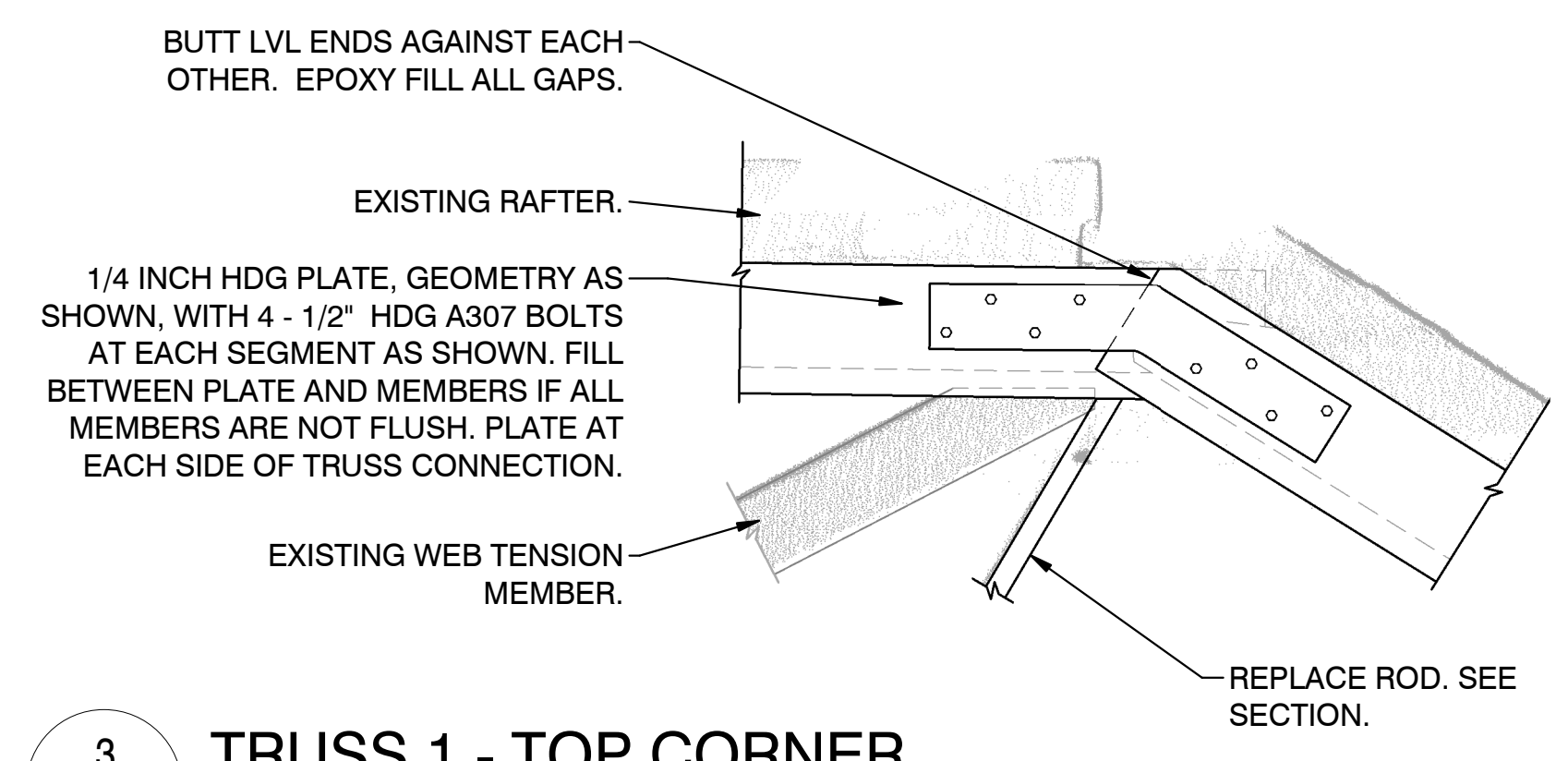
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG



**1 TRUSS 1 - TOP CENTER PLATE**  
S504 SCALE: 3/4" = 1'-0"

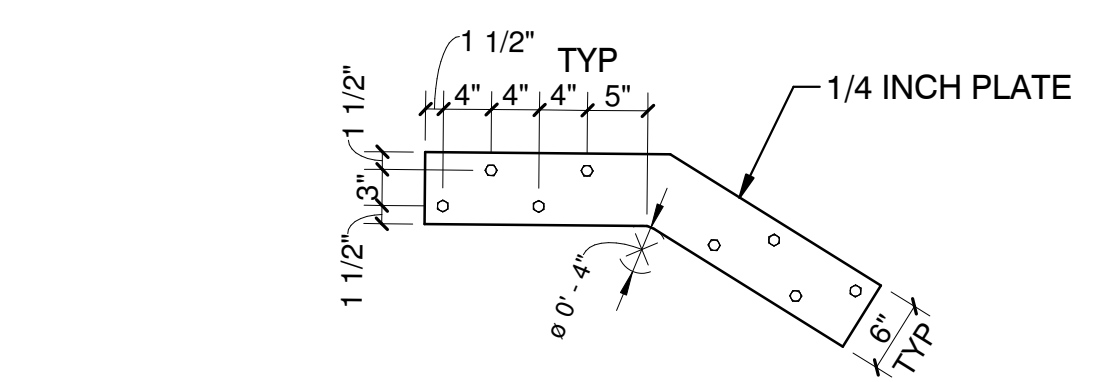


**2 TRUSS 1 - TOP CENTER PLATE**  
S504 SCALE: 3/4" = 1'-0"

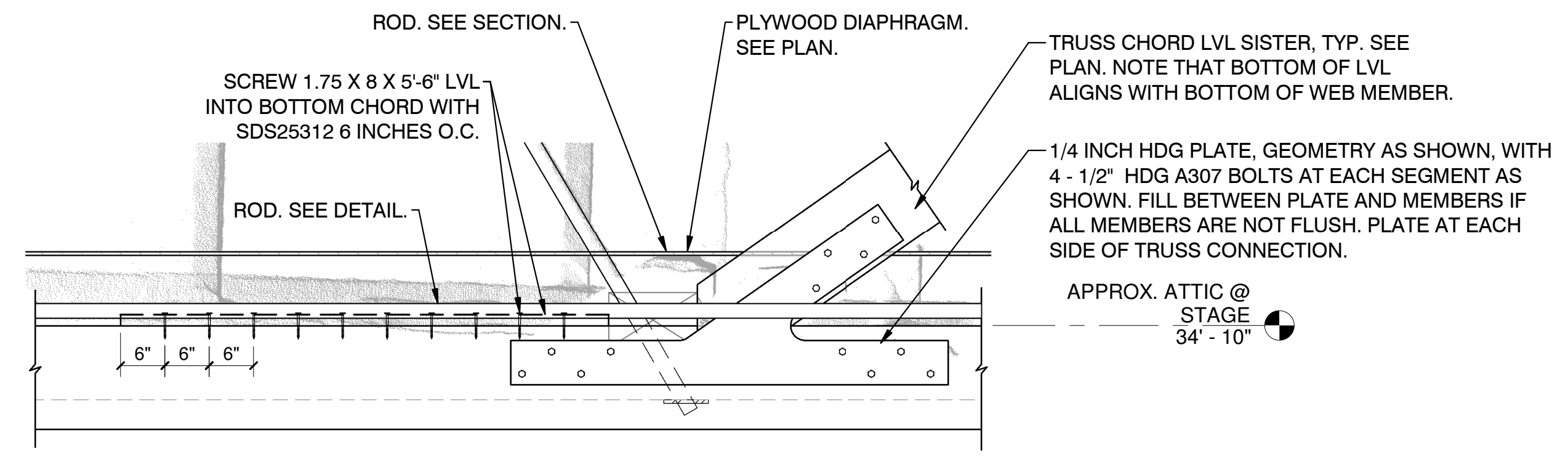


**3 TRUSS 1 - TOP CORNER**  
S504 SCALE: 3/4" = 1'-0"

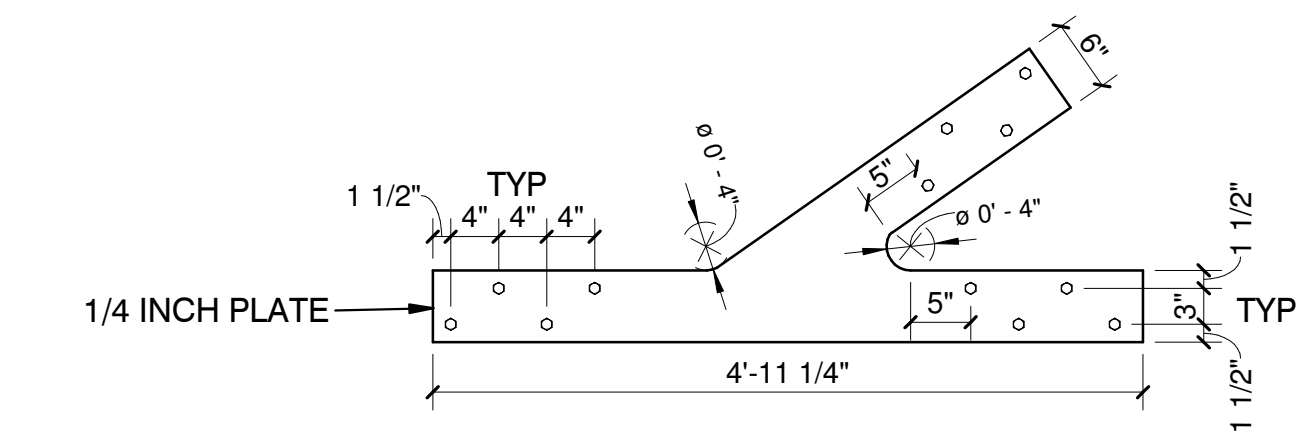
- DETAIL SHEET NOTES:**
- CONTRACTOR MUST SUBMIT PLYWOOD OR DOOR SKIN TEMPLATE OF EACH TRUSS CONNECTION PLATE, VERIFIED IN FIELD, TO OWNER FOR EOR REVIEW FOR ALL SIDES OF EACH TRUSS. CENTER PLATE LEG CENTERLINE AT EXISTING MEMBER CENTERLINE.
  - TEMPORARILY REMOVE THE EXISTING ATTIC JOISTS AT EACH SIDE OF EACH TRUSS BOTTOM CHORD FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  - AT EACH SIDE OF EACH TRUSS, SHORE RAFTERS. CUT 2 FEET FROM EXISTING RAFTER END. AFTER WORK IS COMPLETE, SISTER THE RAFTER WITH A 2X8 NO. 1 SP FOR FULL LENGTH.
  - HOT DIP GALVANIZED ALL NEW METAL, UNLESS NOTED OTHERWISE.



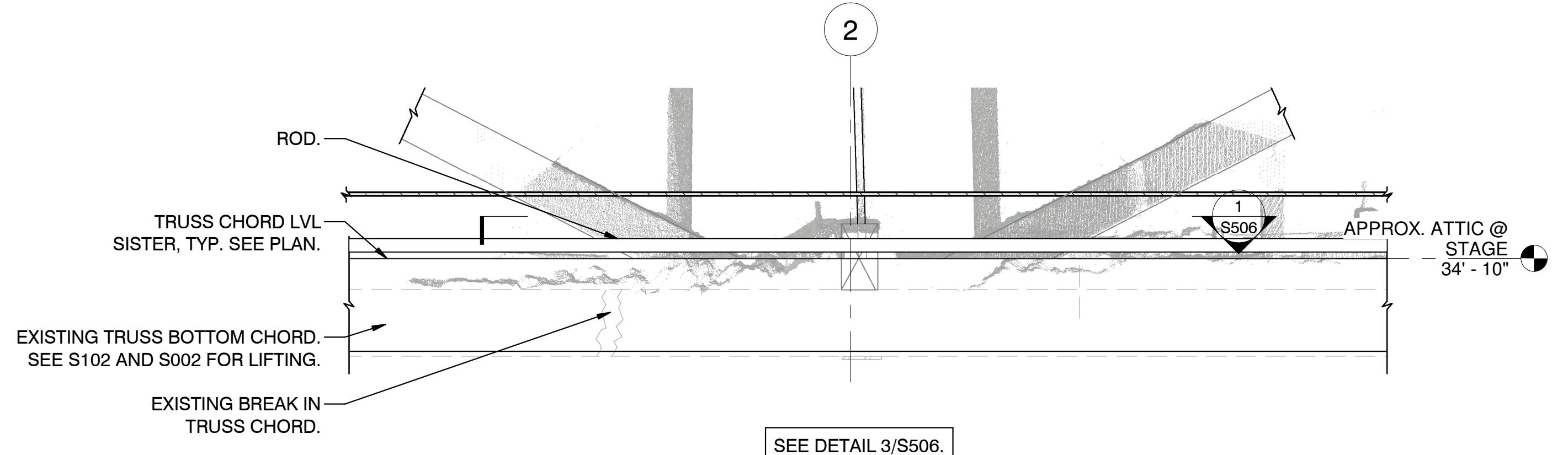
**4 TRUSS 1 - TOP CORNER PLATE**  
S504 SCALE: 3/4" = 1'-0"



**5 TRUSS 1 - SIDE CONNECTION**  
S504 SCALE: 3/4" = 1'-0"



**6 TRUSS 1 - SIDE CONNECTION**  
S504 SCALE: 3/4" = 1'-0"



**7 TRUSS 1 - MID CONNECTION**  
S504 SCALE: 3/4" = 1'-0"

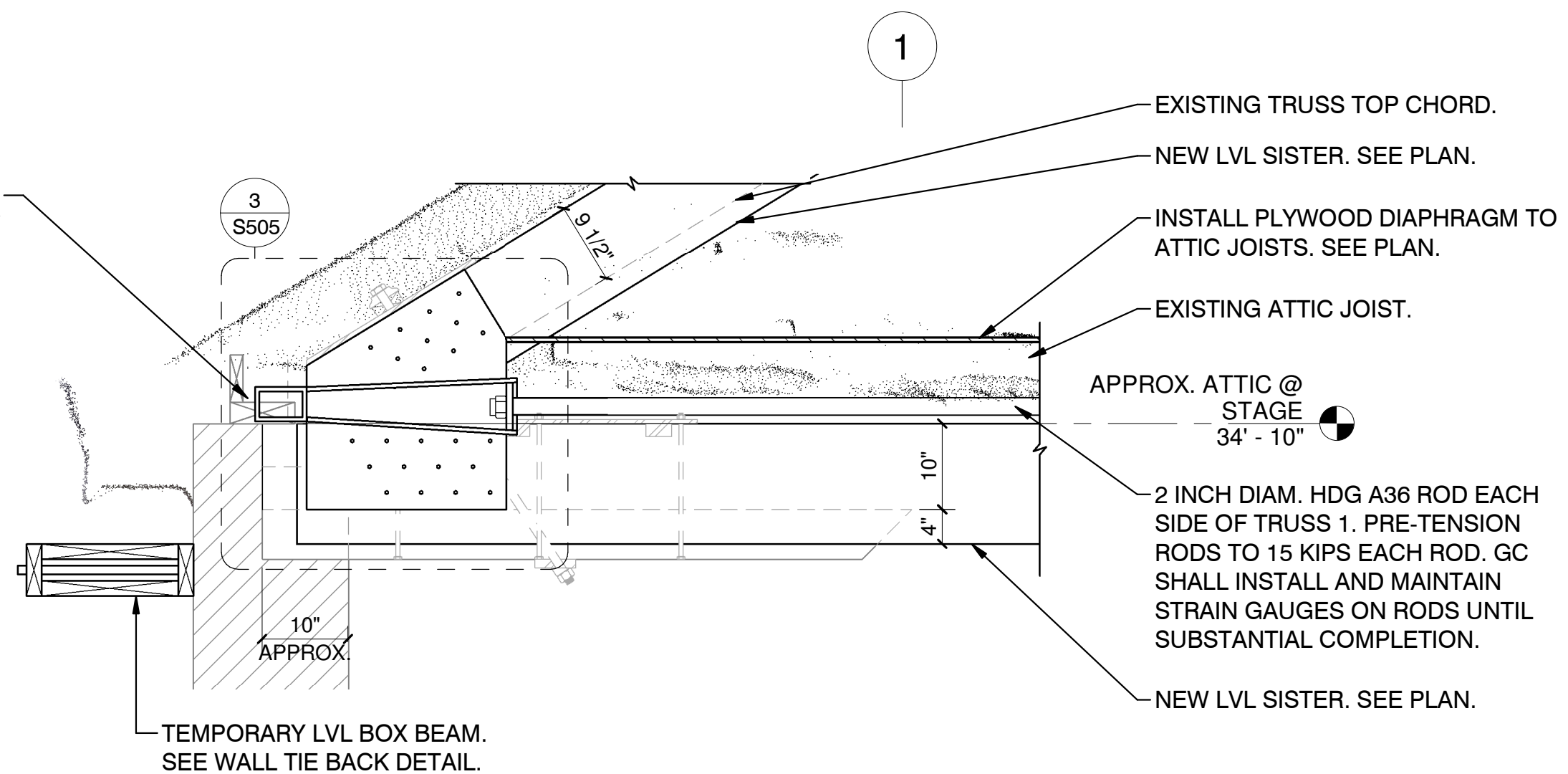
Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - York**  
Sheet Title: **DETAILS**

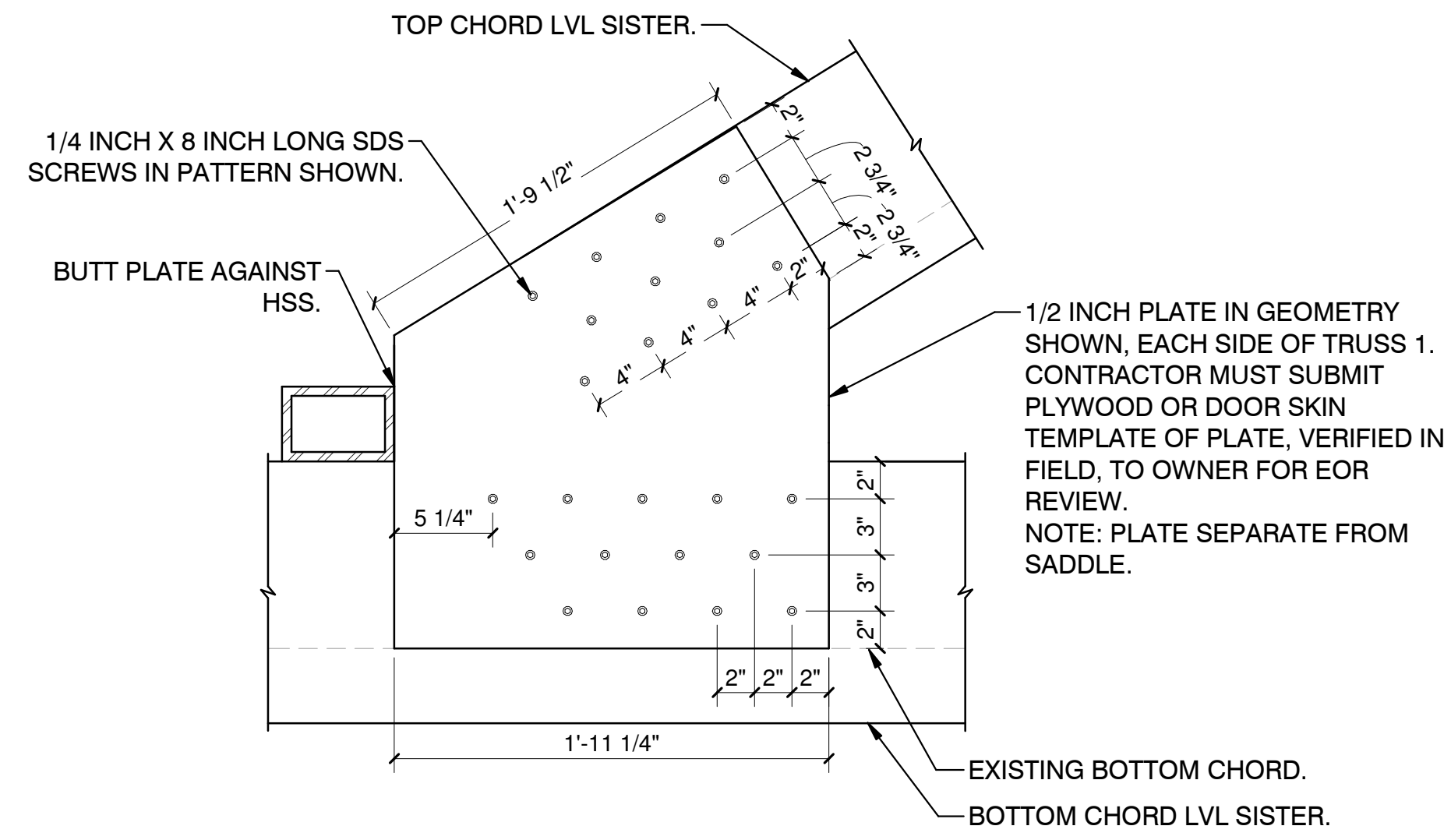
Date of Issue: **August 24, 2023**  
Job Number: **21-018**  
Sheet Number: **S504**



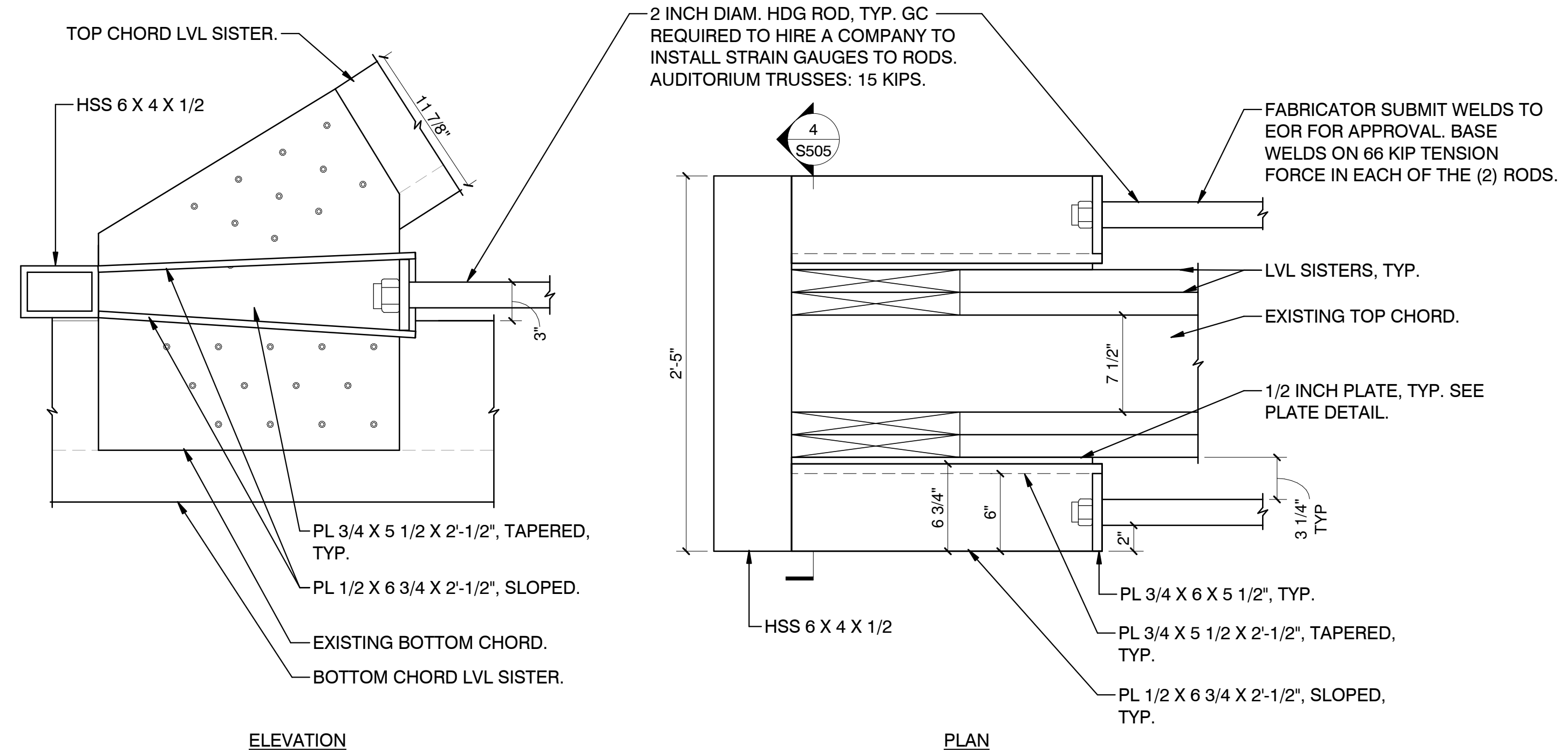
THIS AREA HAS NOT BEEN VISIBLE DURING THE DESIGN PHASE. THIS CONNECTION WILL LIKELY REQUIRE CHANGES BY THE EOR WHEN THIS AREA IS VISIBLE. CONTACT EOR ONCE AREA BEHIND EXISTING TOP CHORD END IS VISIBLE. EOR WILL OBSERVE AND, IF NECESSARY, REDESIGN CONNECTION. DO NOT FABRICATE OR INSTALL THIS CONNECTION WITHOUT REVIEW OF THIS ON-SITE CONDITION BY EOR AND APPROVAL BY EOR FOR USE OF THE CONNECTION.



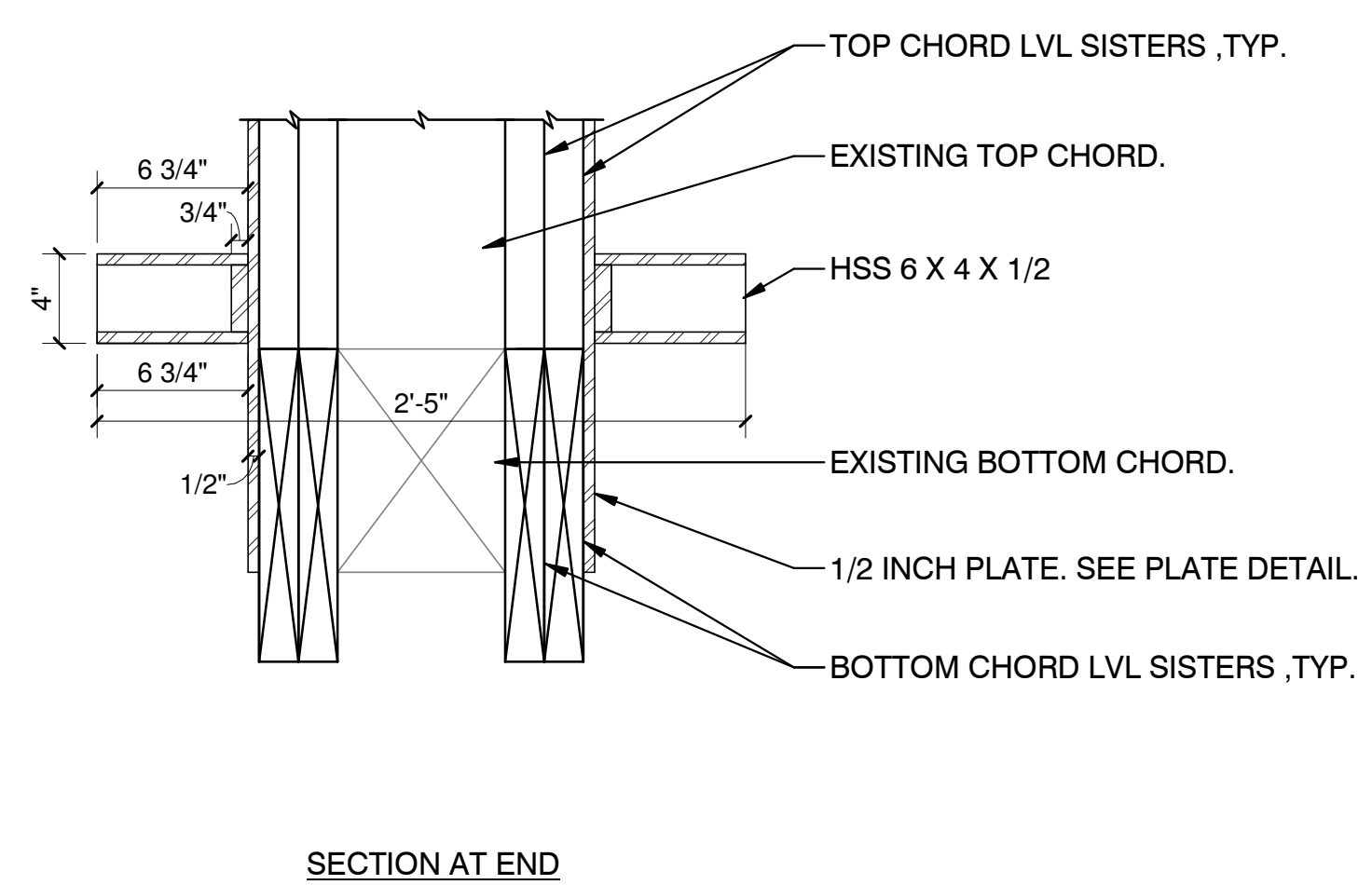
**1 TRUSS 1 - END CONNECTION**  
S505 SCALE: 3/4" = 1'-0"



**2 TRUSS 1 - PLATE DETAIL**  
S505 SCALE: 1 1/2" = 1'-0"



**3 TRUSS 1 - TENSION ROD SADDLE DETAIL**  
S505 SCALE: 1 1/2" = 1'-0"



**4 TRUSS 1 - TENSION ROD SADDLE DETAIL**  
S505 SCALE: 1 1/2" = 1'-0"

- DETAIL SHEET NOTES:**
- CONTRACTOR MUST SUBMIT PLYWOOD OR DOOR SKIN TEMPLATE OF EACH TRUSS CONNECTION PLATE, VERIFIED IN FIELD, TO OWNER FOR EOR REVIEW FOR ALL SIDES OF EACH TRUSS. CENTER PLATE LEG CENTERLINE AT EXISTING MEMBER CENTERLINE.
  - TEMPORARILY REMOVE THE EXISTING ATTIC JOISTS AT EACH SIDE OF EACH TRUSS BOTTOM CHORD FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
  - AT EACH SIDE OF EACH TRUSS, SHORE RAFTERS. CUT 2 FEET FROM EXISTING RAFTER END. AFTER WORK IS COMPLETE, SISTER THE RAFTER WITH A 2X8 NO. 1 SP FOR FULL LENGTH.
  - HOT DIP GALVANIZED ALL NEW METAL, UNLESS NOTED OTHERWISE.



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase 100% CONSTRUCTION DOCUMENTS

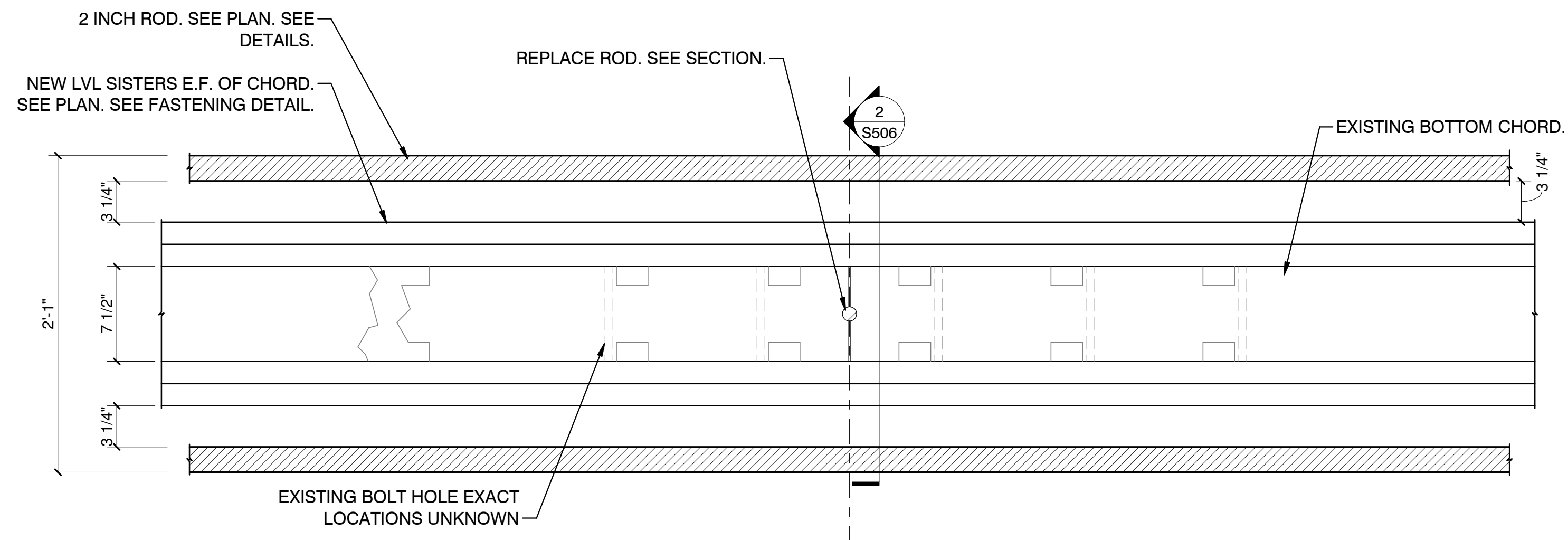
Job Name  
**McClvey Center - York**  
Sheet Title  
**DETAILS**

Date of Issue  
**August 24, 2023**  
Job Number  
**21-018**  
Sheet Number

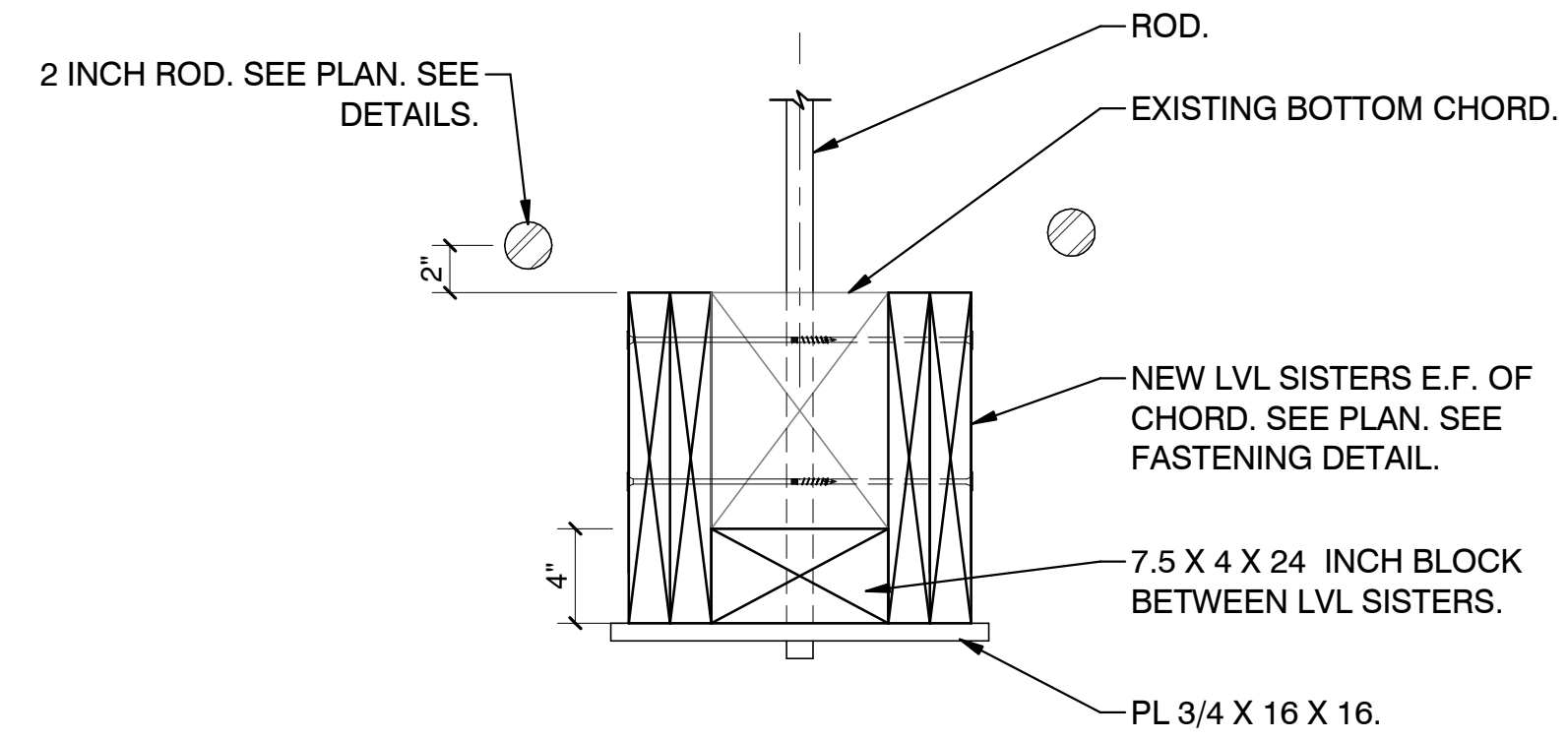
**S505**



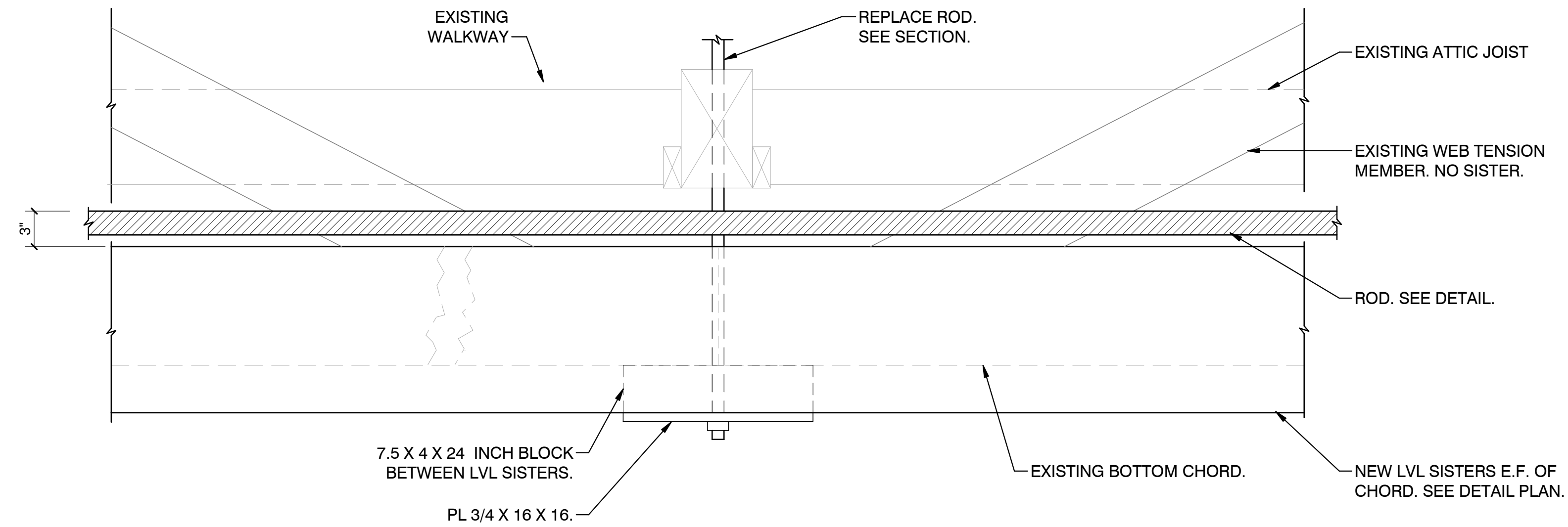
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG



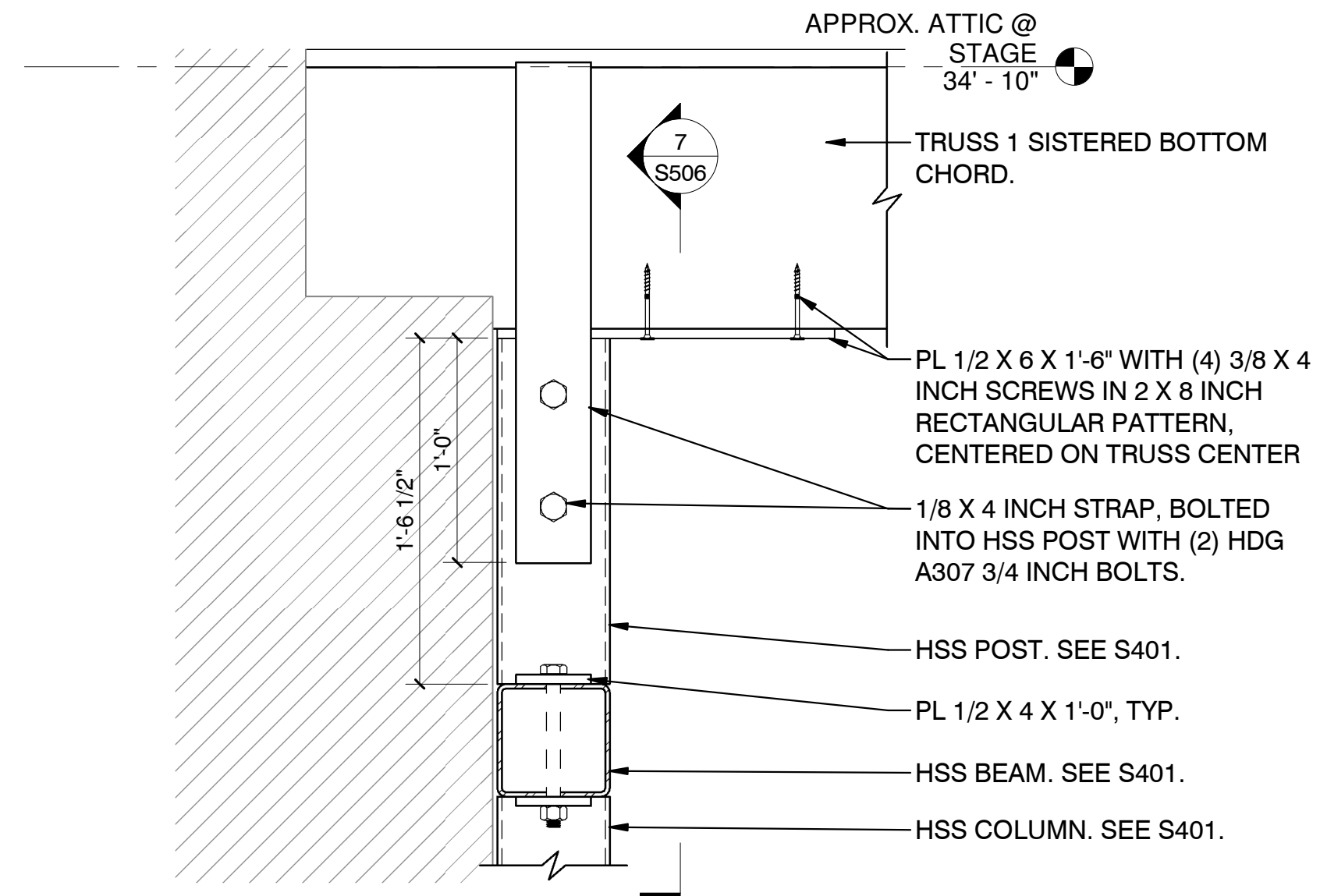
**1 TRUSS 1 BOTTOM CHORD PLAN DETAIL**  
S506 SCALE: 1 1/2" = 1'-0"



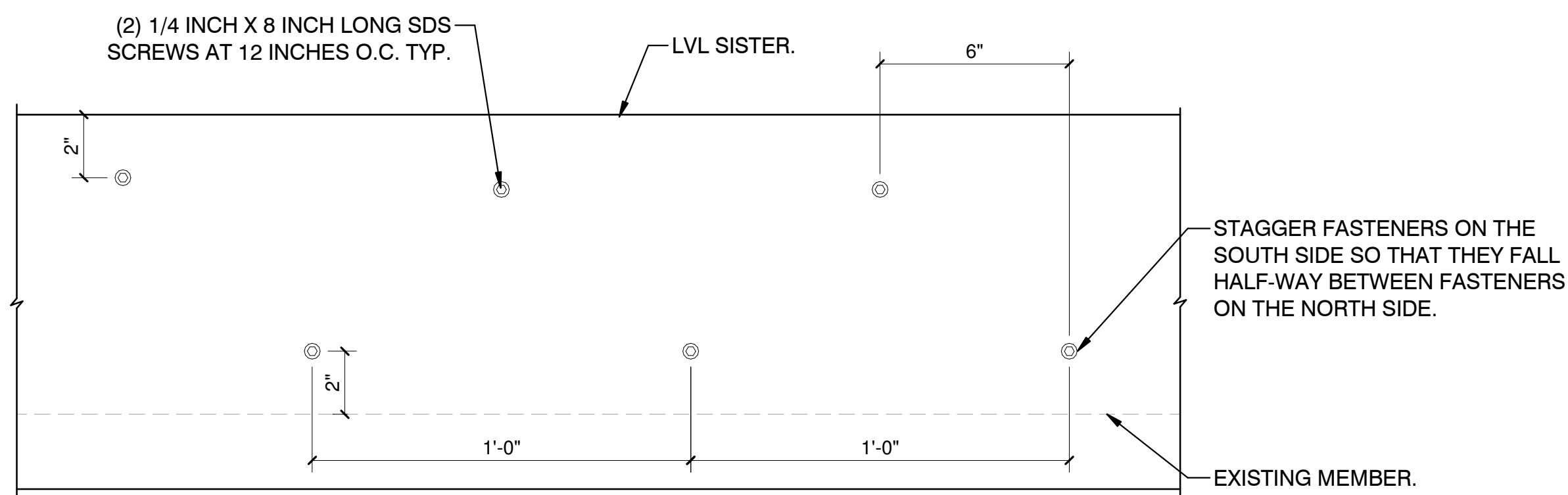
**2 TRUSS 1 BOTTOM CHORD SECTION**  
S506 SCALE: 1 1/2" = 1'-0"



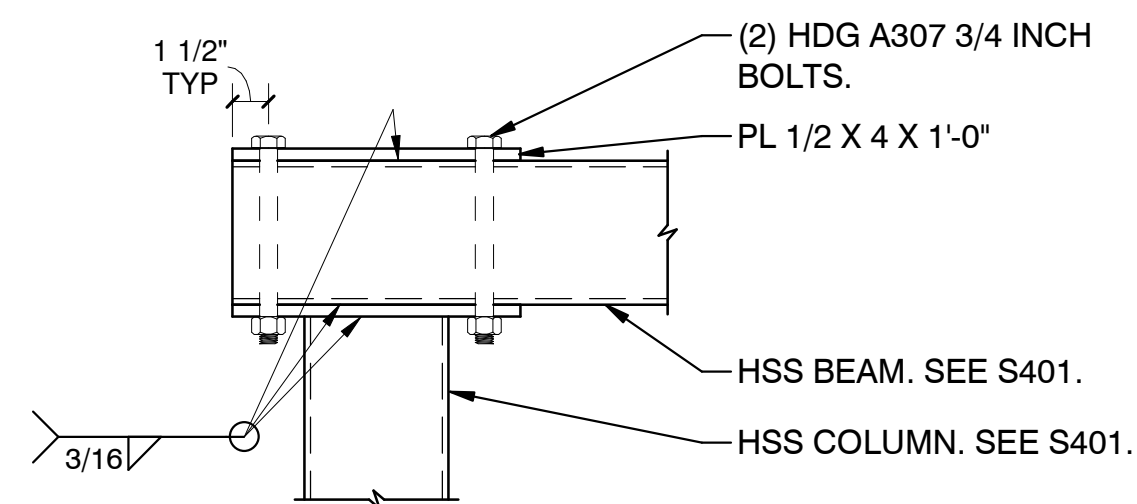
**3 TRUSS 1 BOTTOM CHORD ELEVATION DETAIL**  
S506 SCALE: 1 1/2" = 1'-0"



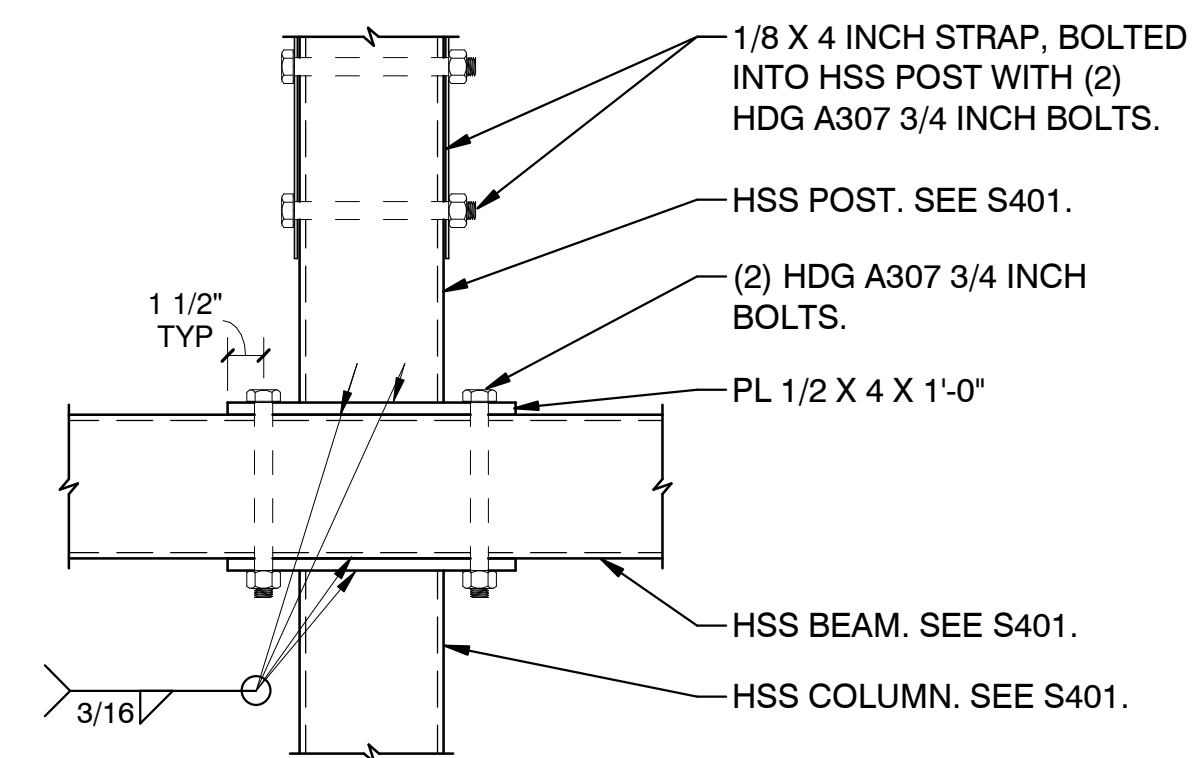
**4 END OF TRUSS 1**  
S506 SCALE: 1 1/2" = 1'-0"



**5 TRUSS 1 TYPICAL SISTER FASTENER PATTERN - ELEVATION**  
S506 SCALE: 3" = 1'-0"



**6 END OF HSS BEAM**  
S506 SCALE: 1 1/2" = 1'-0"



**7 END OF TRUSS 1**  
S506 SCALE: 1 1/2" = 1'-0"

**DETAIL SHEET NOTES:**

- CONTRACTOR MUST SUBMIT PLYWOOD OR DOOR SKIN TEMPLATE OF EACH TRUSS CONNECTION PLATE, VERIFIED IN FIELD, TO OWNER FOR EOR REVIEW FOR ALL SIDES OF EACH TRUSS. CENTER PLATE LEG CENTERLINE AT EXISTING MEMBER CENTERLINE.
- TEMPORARILY REMOVE THE EXISTING ATTIC JOISTS AT EACH SIDE OF EACH TRUSS BOTTOM CHORD FOR ACCESS TO BOTTOM CHORD. REPLACE AFTER WORK IS COMPLETE.
- AT EACH SIDE OF EACH TRUSS, SHORE RAFTERS. CUT 2 FEET FROM EXISTING RAFTER END. AFTER WORK IS COMPLETE, SISTER THE RAFTER WITH A 2X8 NO. 1 SP FOR FULL LENGTH.
- HOT DIP GALVANIZED ALL NEW METAL, UNLESS NOTED OTHERWISE.



Drawn By: ACW  
Checked By: CMB, Jr.  
Phase: 100% CONSTRUCTION DOCUMENTS

Job Name: **McClvey Center - York**  
Sheet Title: **DETAILS**

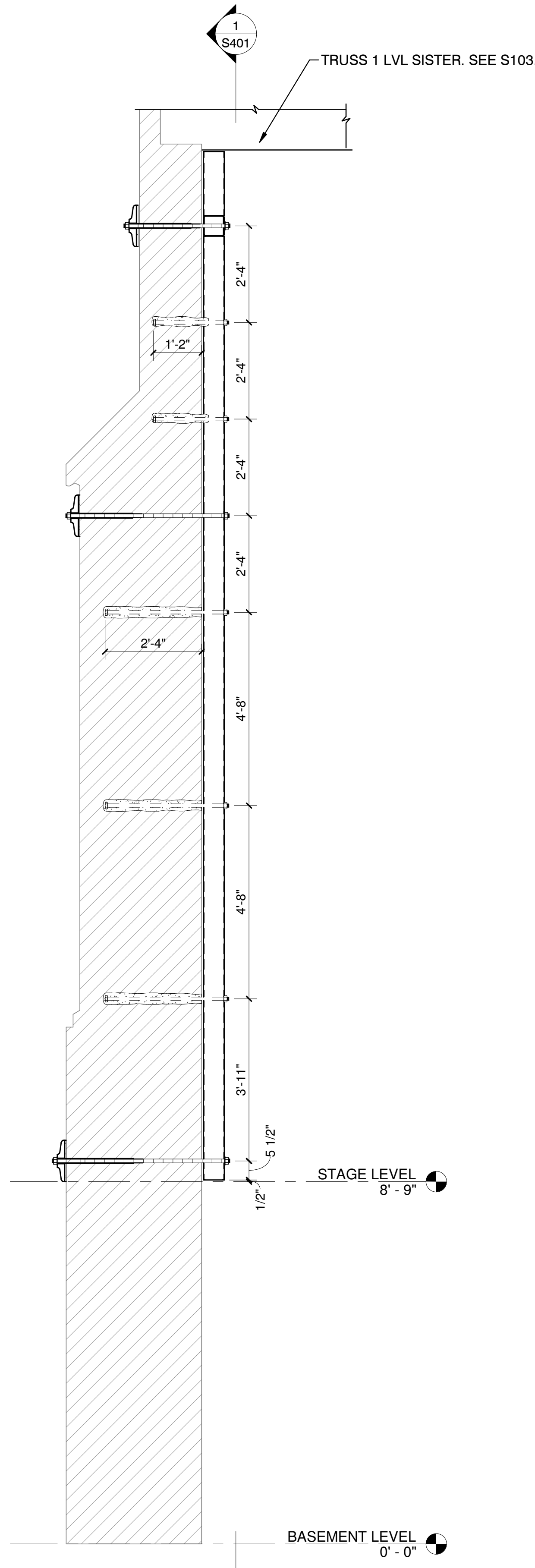
Date of Issue: **August 24, 2023**  
Job Number: **21-018**  
Sheet Number: **S506**



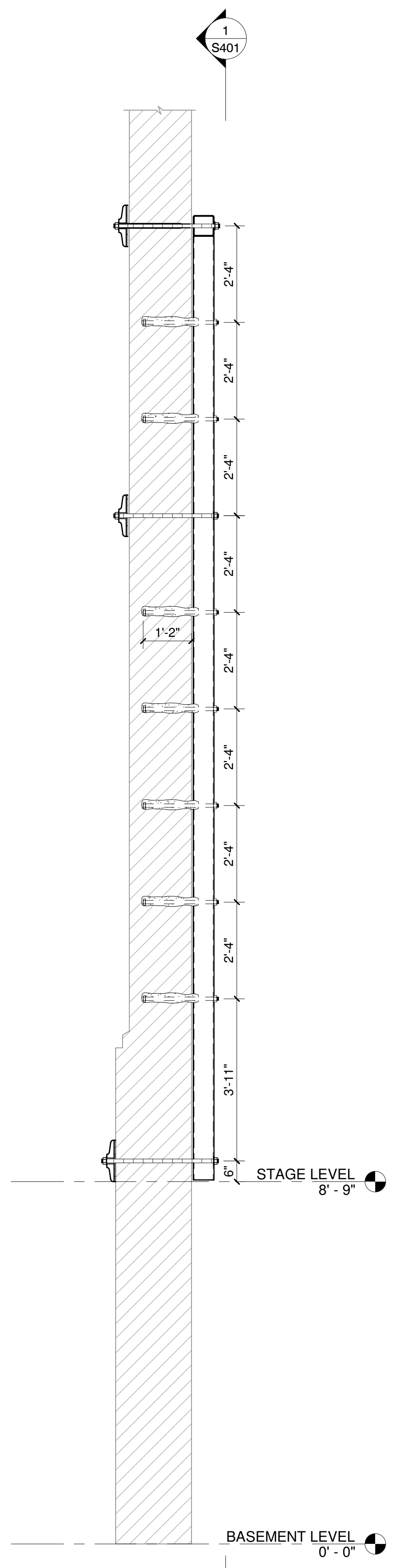
ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG

1 2 3 4 5 6 7 8 9 10 11 12 13 14

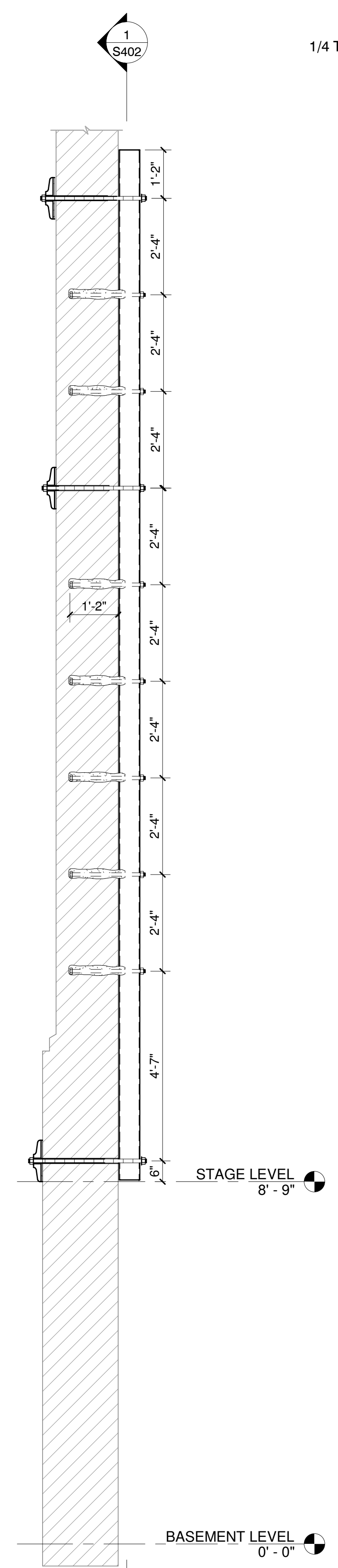
A  
B  
C  
D  
E  
F  
G  
H  
I  
J



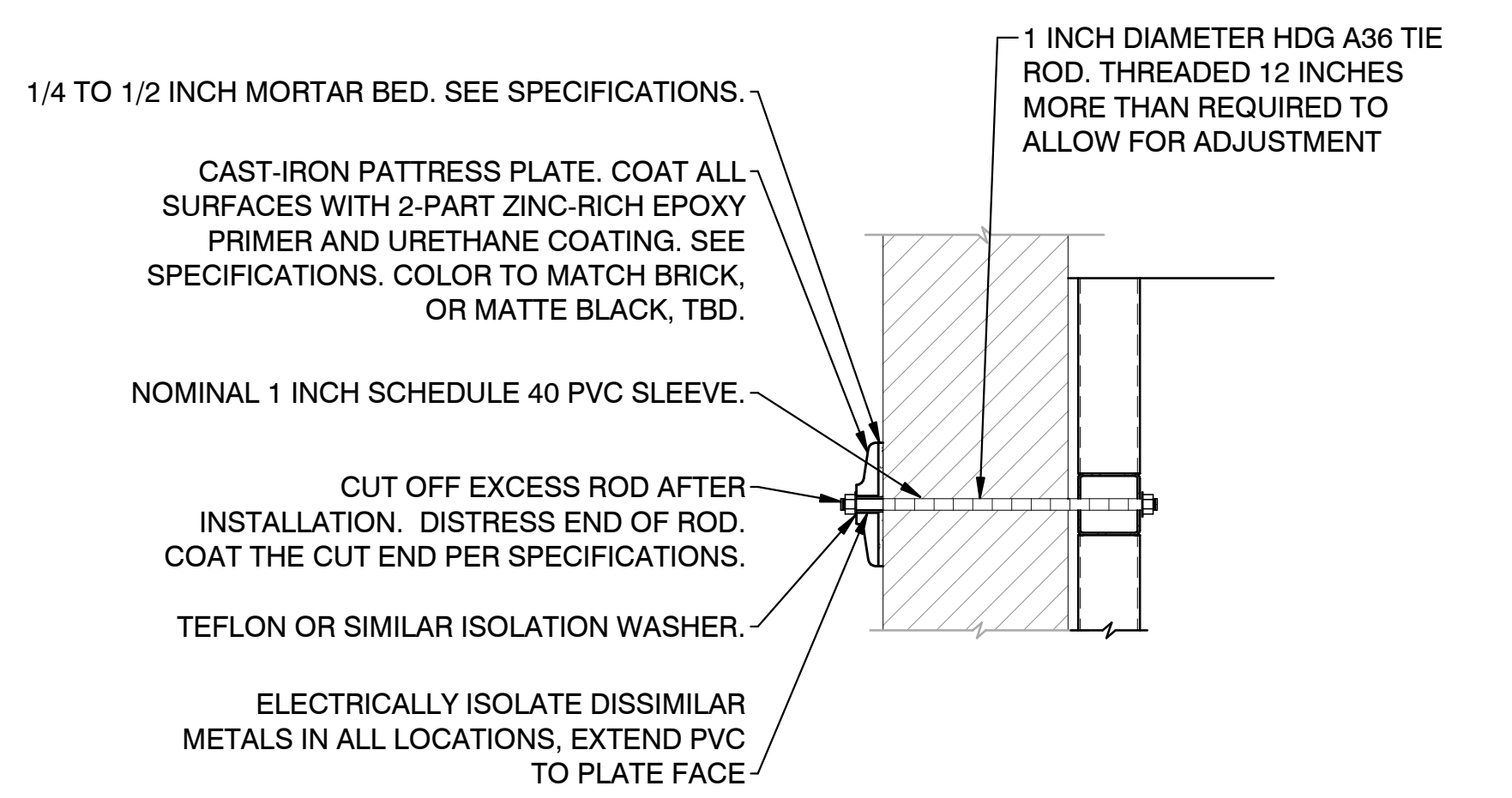
**1** HSS AT BUTTRESS & TRUSS 1 END  
S507 SCALE: 1/2" = 1'-0"



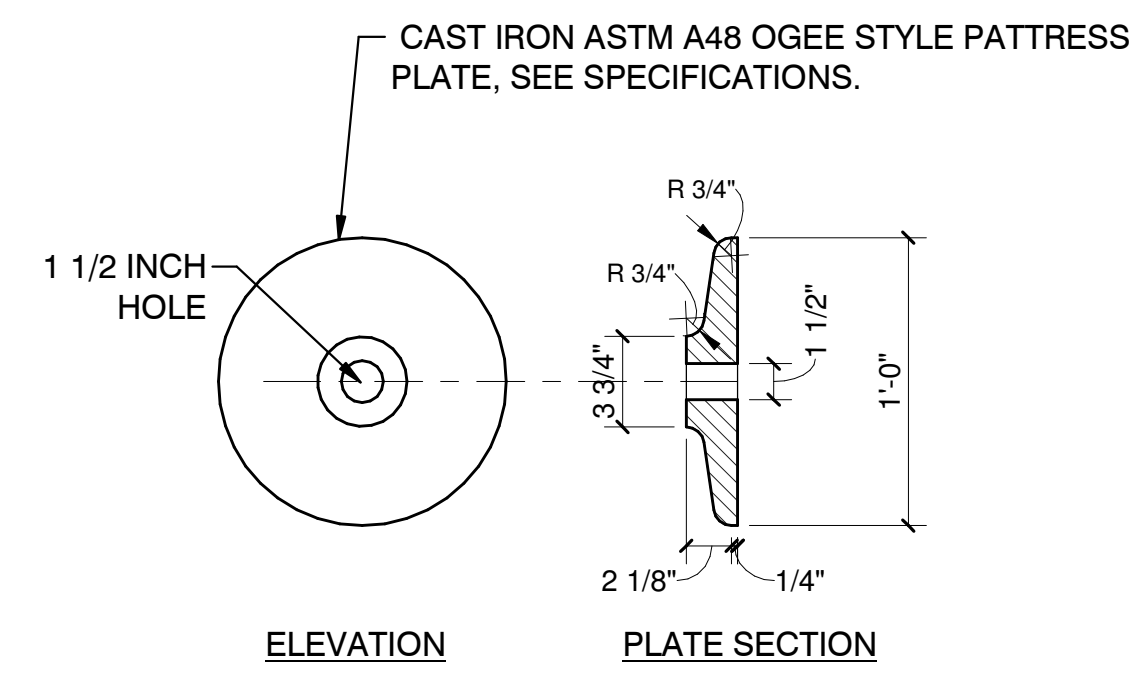
**2** HSS AT EAST & WEST WALL  
S507 SCALE: 1/2" = 1'-0"



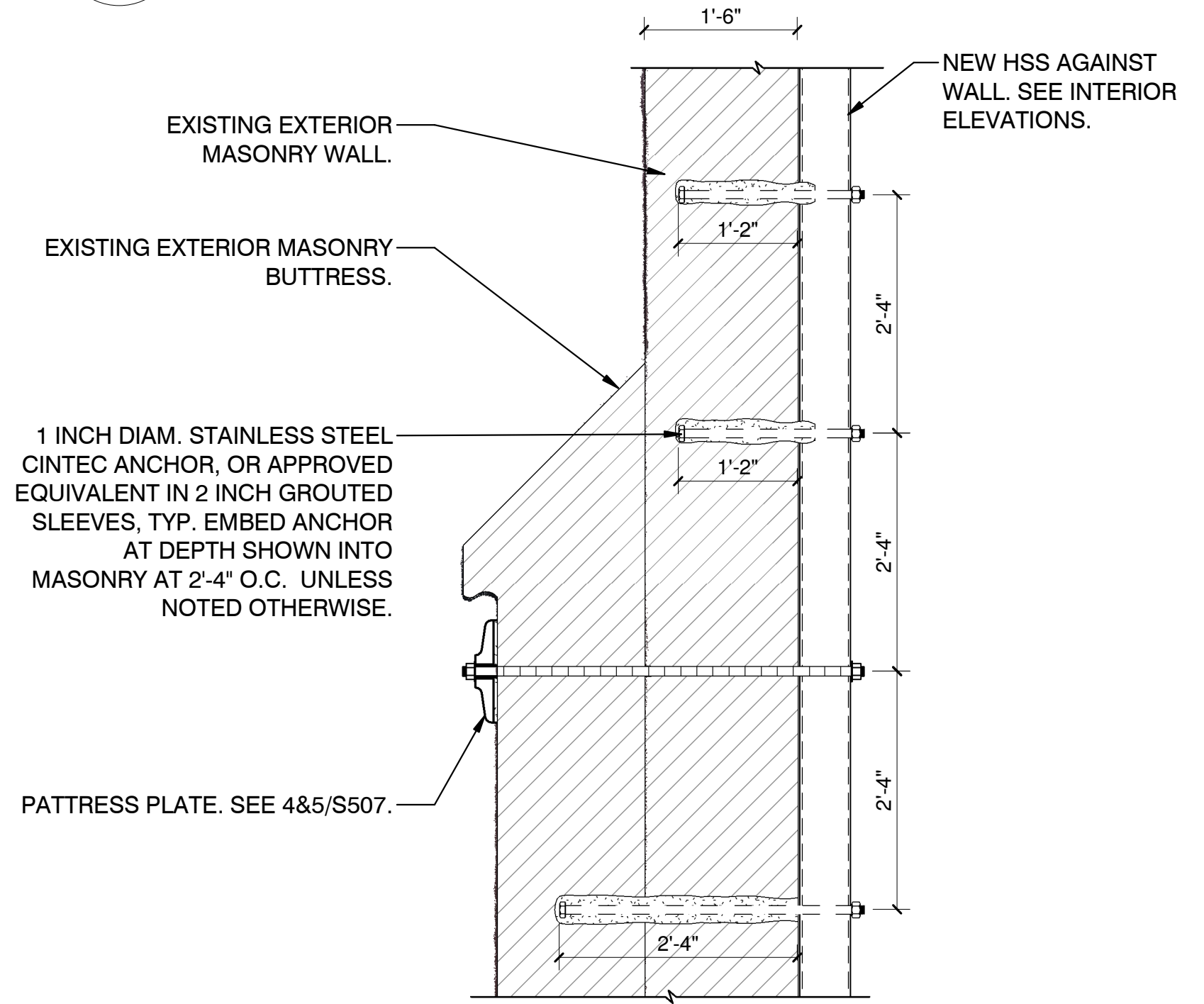
**3** HSS COLUMN AT SOUTH WALL  
S507 SCALE: 1/2" = 1'-0"



**4** HSS AT PATTRESS PLATE  
S507 SCALE: 3/4" = 1'-0"



**5** PATTRESS PLATE DETAIL  
S507 SCALE: 1 1/2" = 1'-0"



**6** TYPICAL HSS WALL CONNECTION  
S507 SCALE: 3/4" = 1'-0"



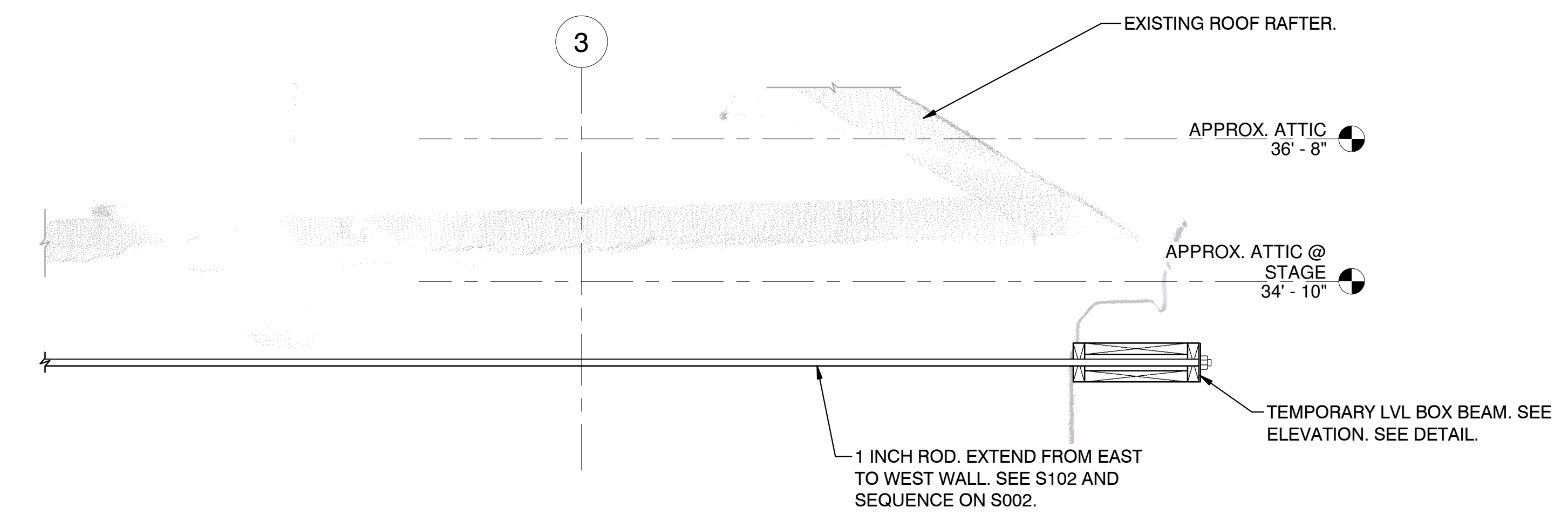
1 2 3 4 5 6 7 8 9 10 11 12 13 14

**DETAIL SHEETS NOTES:**  
 1. LVL BOX BEAM IS THE ONLY TEMPORARY WORK SHOWN ON THIS DETAIL SHEET. ALL OTHER WORK TO REMAIN AFTER CONSTRUCTION IS COMPLETE.

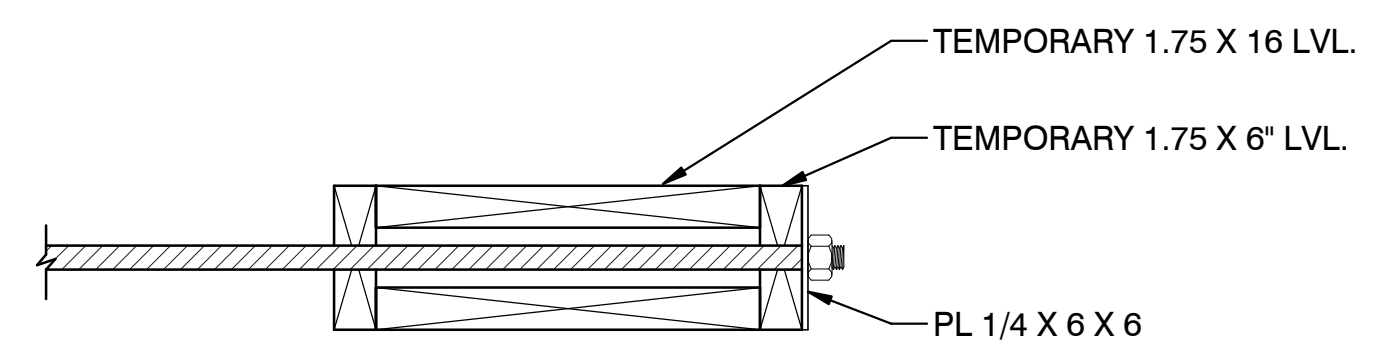


Drawn By: ACW  
 Checked By: CMB, Jr.  
 Phase: 100% CONSTRUCTION DOCUMENTS

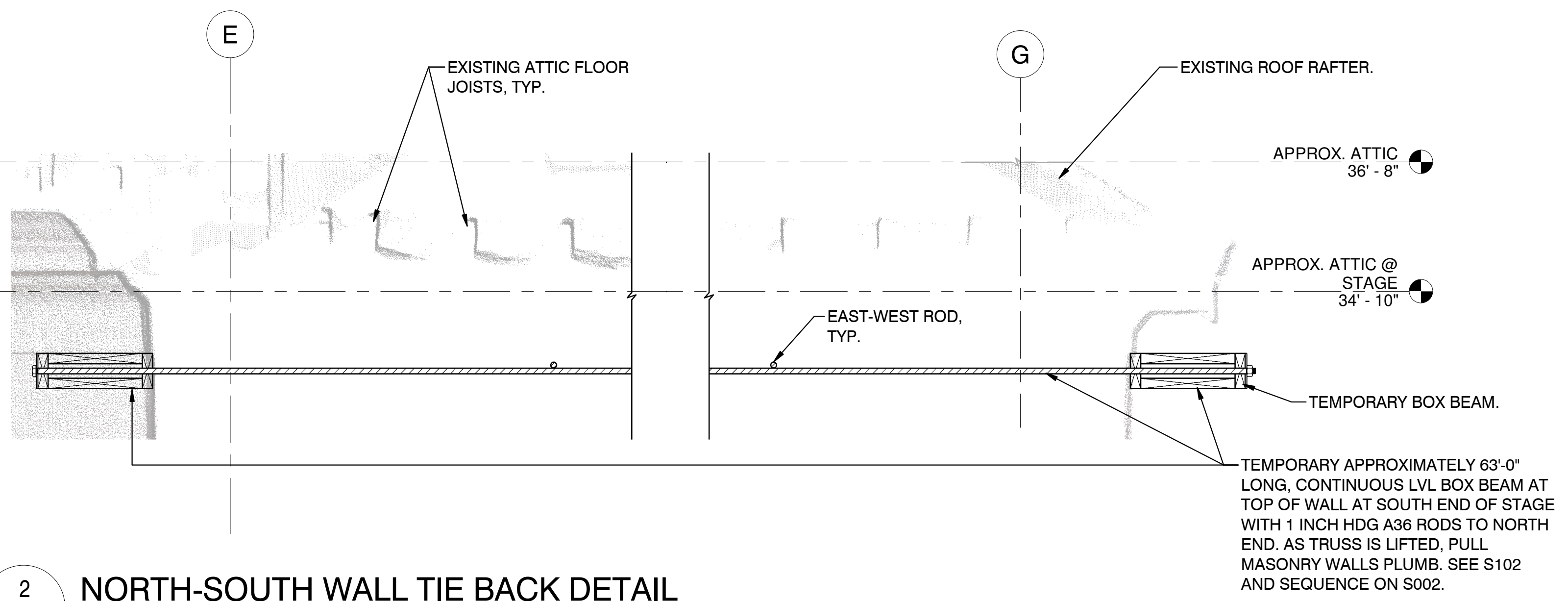
Job Name: **McClvey Center - York**  
 Sheet Title: **DETAILS**  
 Date of Issue: August 24, 2023  
 Job Number: **21-018**  
 Sheet Number: **S508**



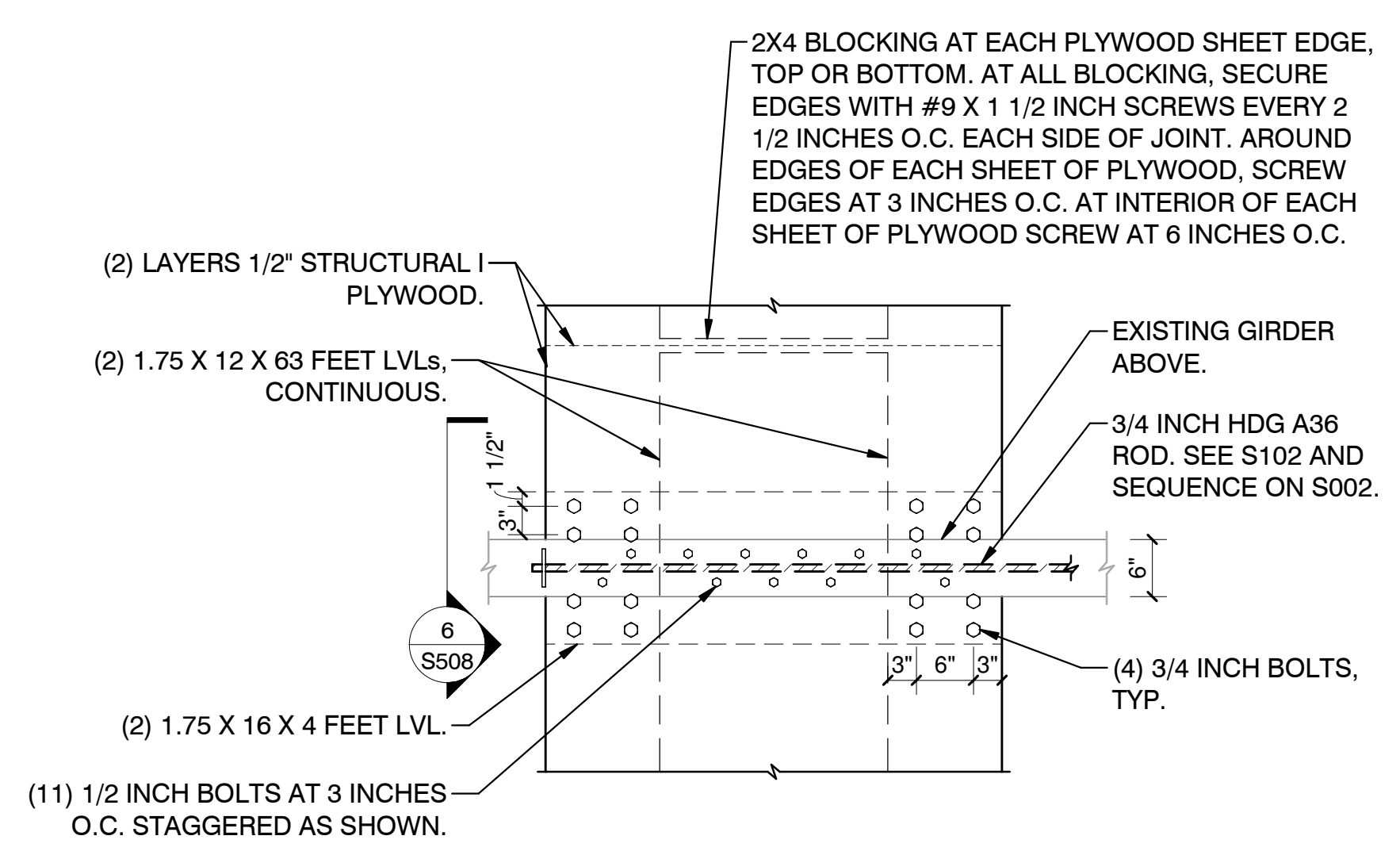
**1 EAST-WEST WALL TIE BACK DETAIL**  
 S508 SCALE: 3/4" = 1'-0"



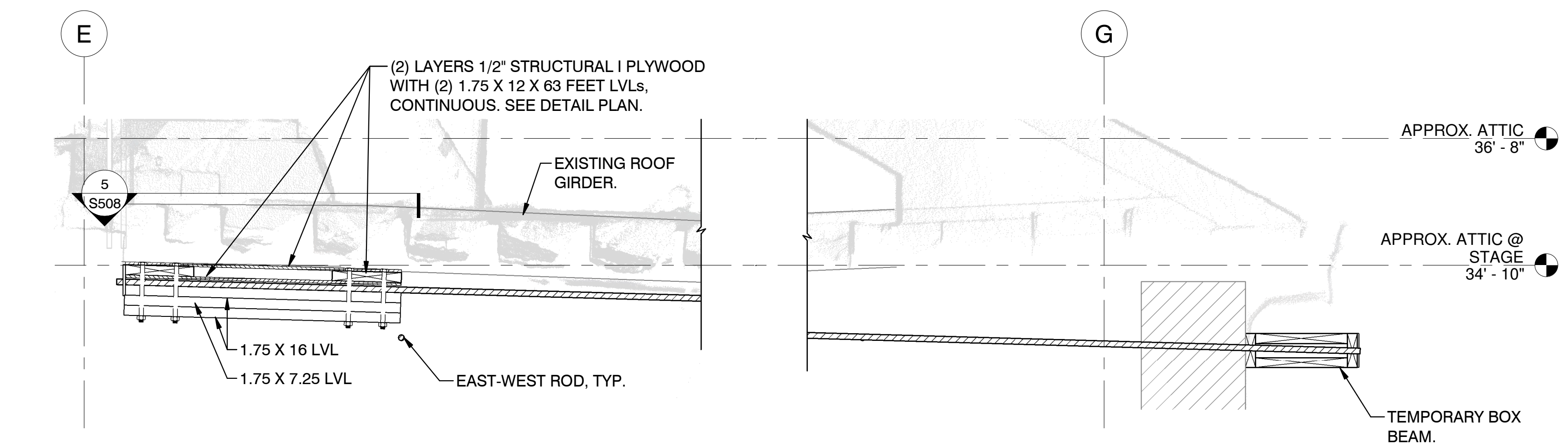
**4 TEMPORARY BOX BEAM DETAIL**  
 S508 SCALE: 1 1/2" = 1'-0"



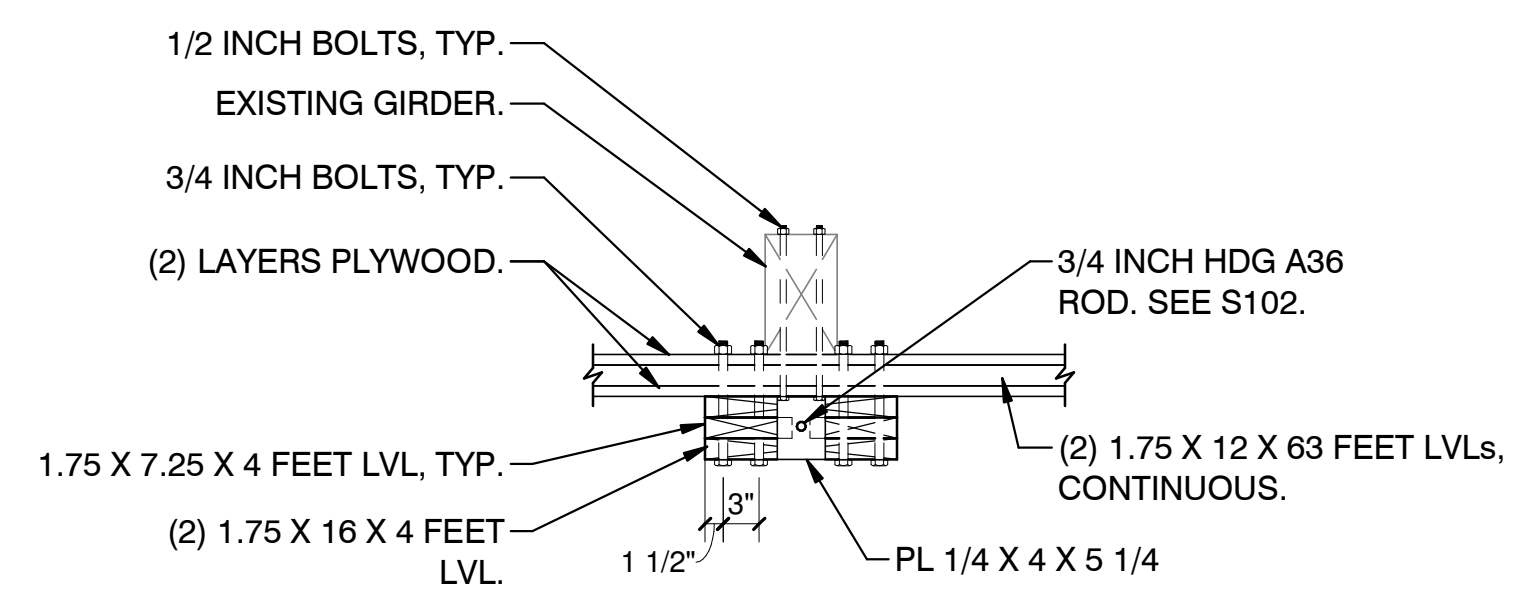
**2 NORTH-SOUTH WALL TIE BACK DETAIL**  
 S508 SCALE: 3/4" = 1'-0"



**5 PLYWOOD BEAM DETAIL PLAN**  
 S508 SCALE: 3/4" = 1'-0"



**3 NORTH-SOUTH WALL TIE BACK DETAIL SECTION**  
 S508 SCALE: 3/4" = 1'-0"



**6 PLYWOOD BEAM DETAIL SECTION**  
 S508 SCALE: 3/4" = 1'-0"



ON A FULL SIZE DRAWING, THIS LINE IS 12 INCHES LONG