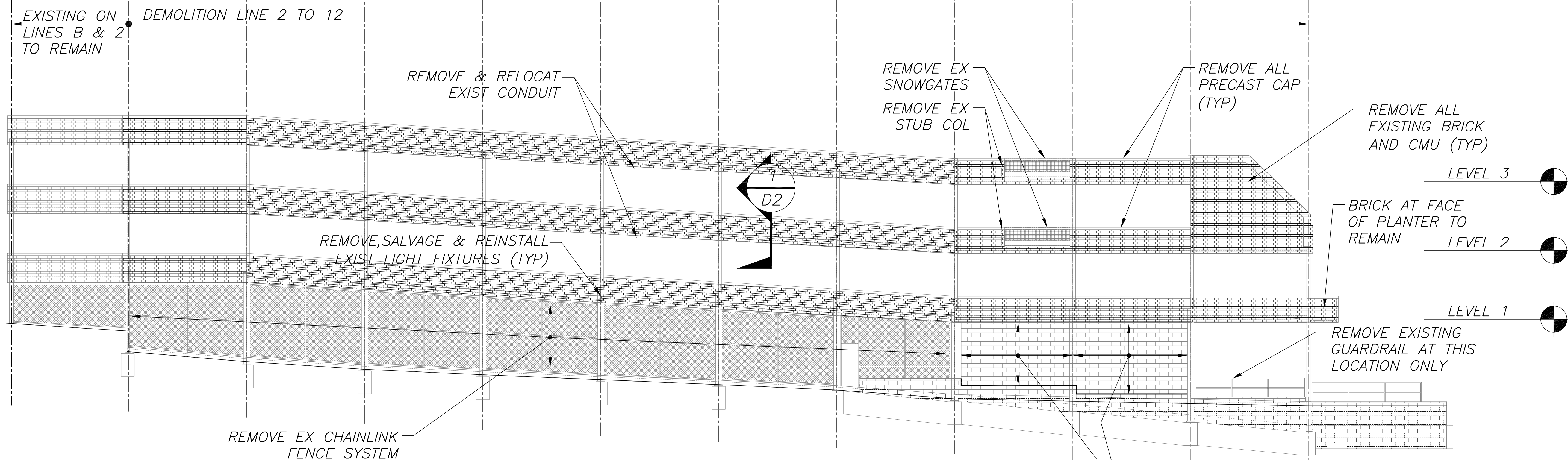
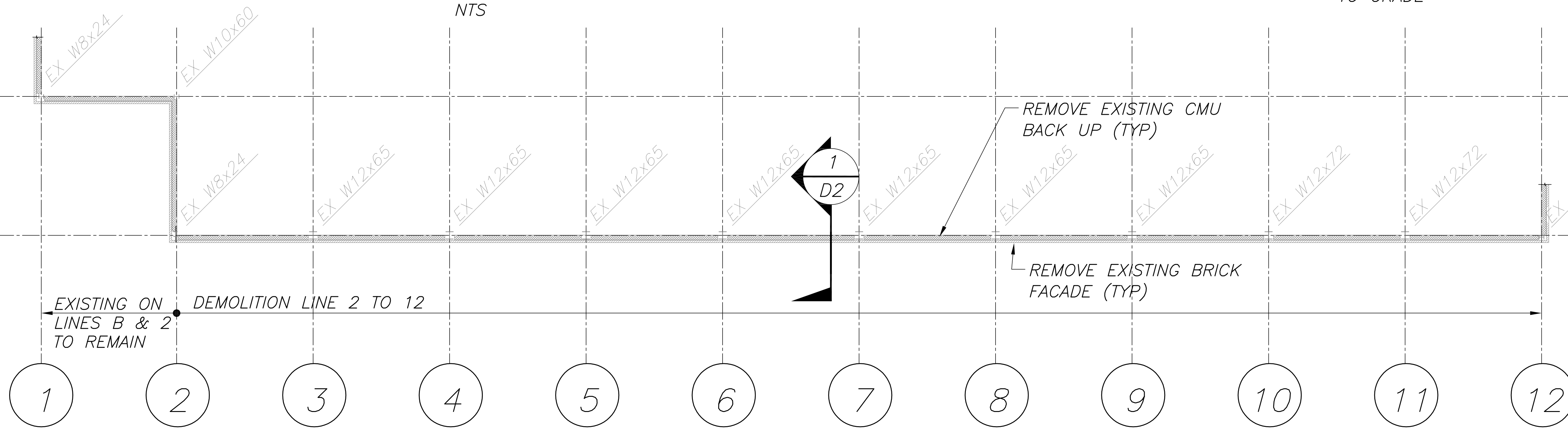


11 EQUAL BAYS @ 18'-0" = 198'-0"



EXISTING UNION STREET ELEVATION

NTS



EXISTING TYPICAL PLAN

NTS



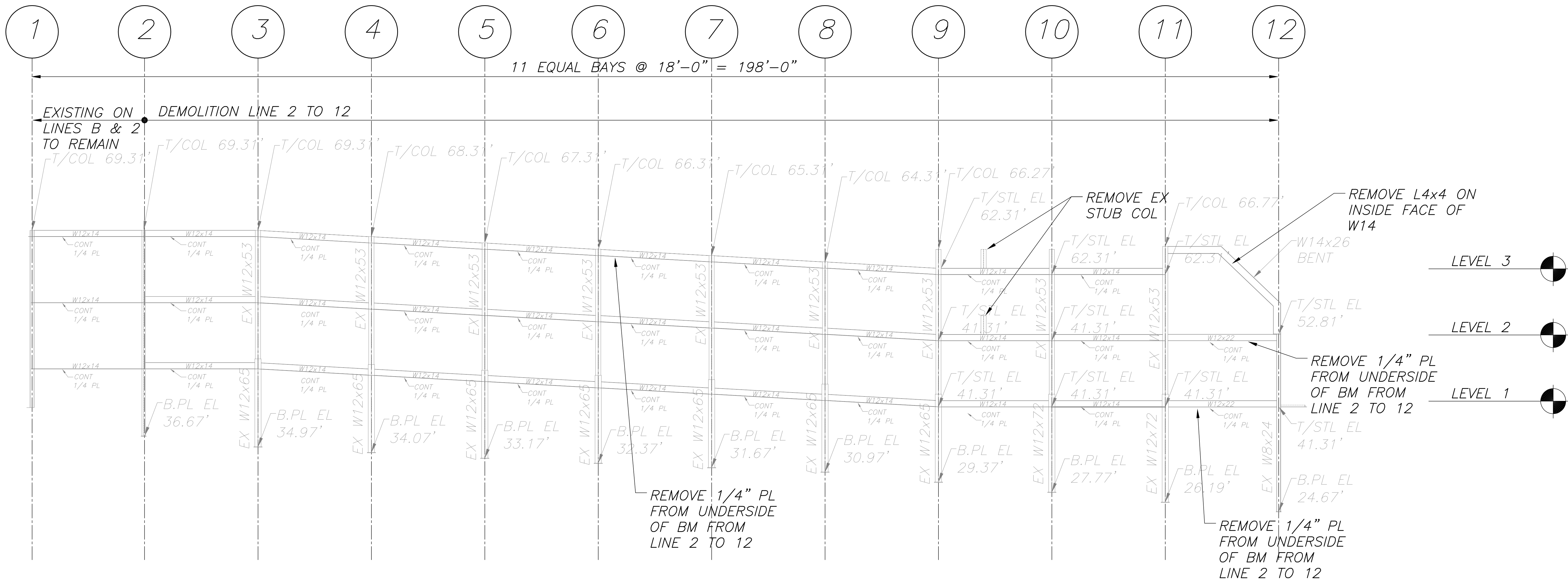
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DESCRIPTION	PHASE 1 PERMIT SET
DATE	11/5/12
REV. NO.	1
DESIGNED BY: TMW	NOTED
DRAWN BY: TMW	DATE: 11/5/12
CHECKED BY: TMW	

PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
DEMOLITION

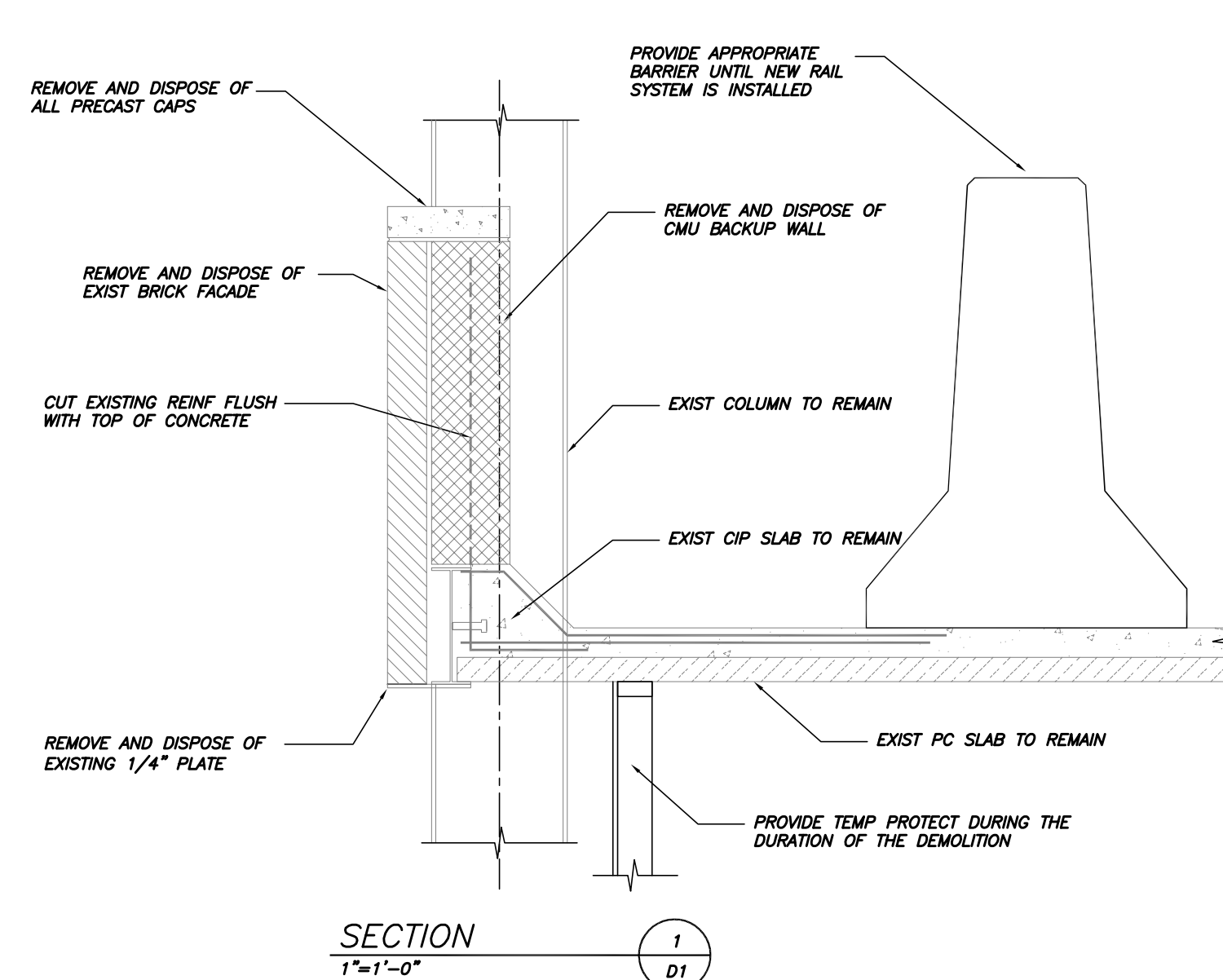
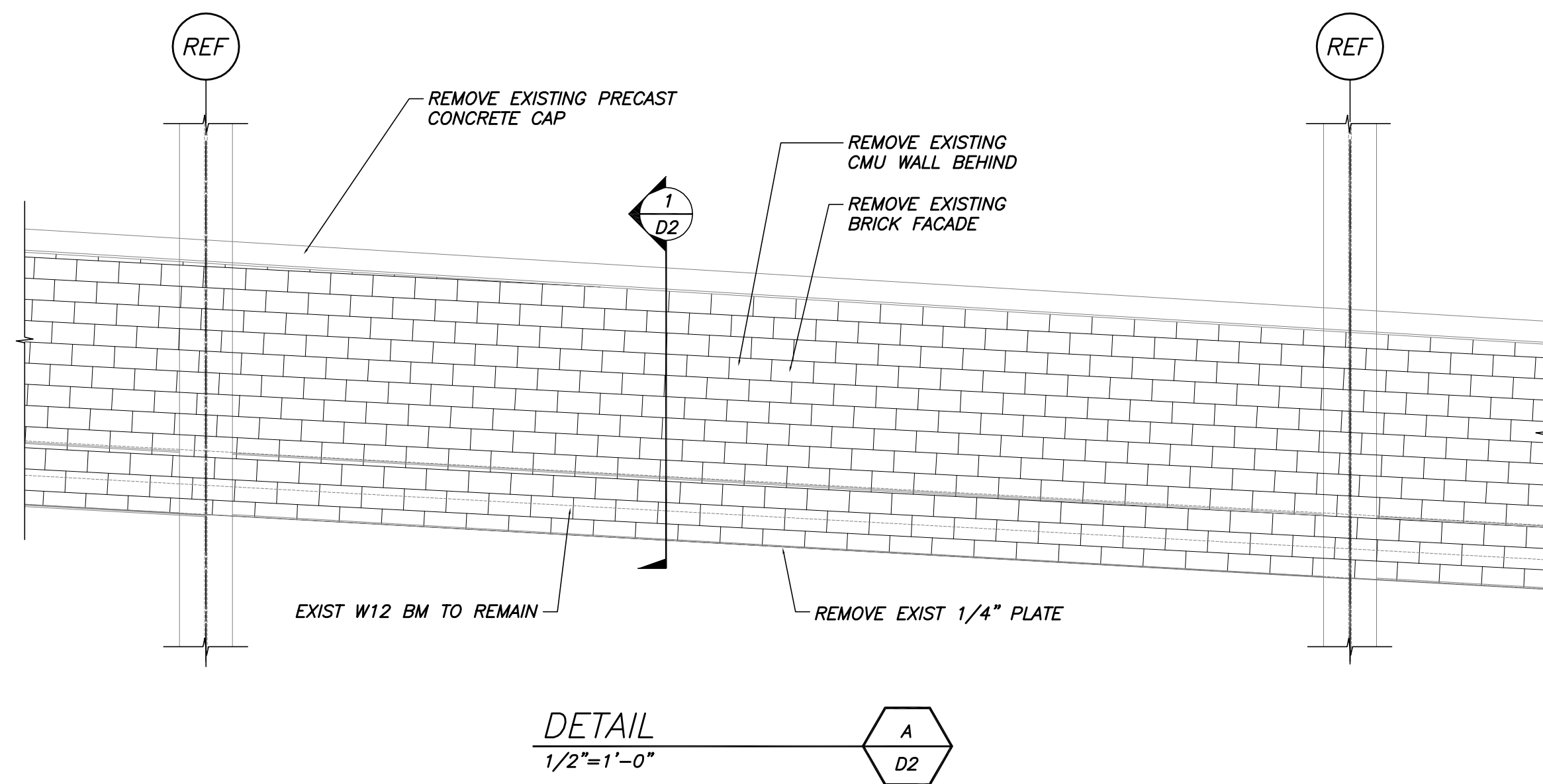
DRAWING NO. **D1**

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NOT FOR CONSTRUCTION



EXISTING UNION STREET STEEL ELEVATION
NTS

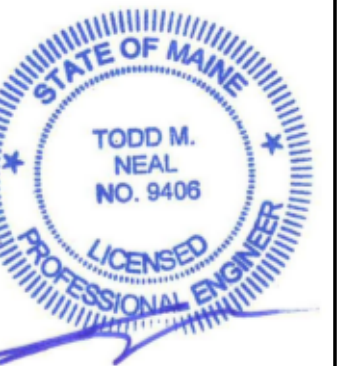


DEMOLITION NOTES:

1. ALL DEMOLITION SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS.
2. DEMOLITION SHALL BE COORDINATED WITH PROPERTY OWNER TO ENSURE PROTECTION OF ALL VEHICLES AND PEDESTRIANS. CONTRACTOR SHALL CONSTRUCT BARRIERS AND OTHER METHODS FOR PROVIDING THIS PROTECTION.
3. AREAS WITHIN AND AROUND THE GARAGE DIRECTLY ADJACENT TO THE WORK SHALL BE COMPLETELY CLOSED TO THE PUBLIC.
4. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. A FIRE WATCH SHALL BE PROVIDED IF ANY HAZARDOUS SITUATIONS ARE THOUGHT TO BE POSSIBLE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION FOR POLLUTION CONTROL.
5. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION WORK. BEFORE NEW WORK BEGINS, RETURN ADJACENT AREAS TO CONDITION FOUND PRIOR TO START OF DEMOLITION.
6. HAZARDOUS MATERIAL NOTE: CONTRACTOR SHALL STOP WORK AND INFORM OWNER IMMEDIATELY IN WRITING OF ANY HAZARDOUS MATERIAL ENCOUNTERED OR THOUGHT TO BE HAZARDOUS MATERIAL. THE OWNER, AFTER RECEIVING WRITTEN NOTICE SHALL INSTRUCT CONTRACTOR ON HOW TO PROCEED.
7. CONTRACTOR IS RESPONSIBLE FOR PROPERLY REMOVING AND DISPOSING OF ALL DEMOLITION DEBRIS.

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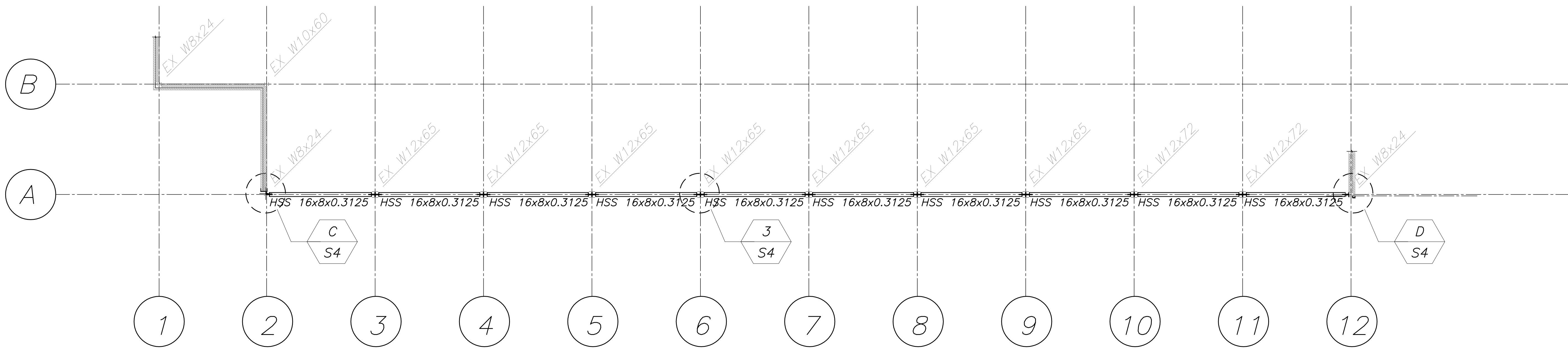
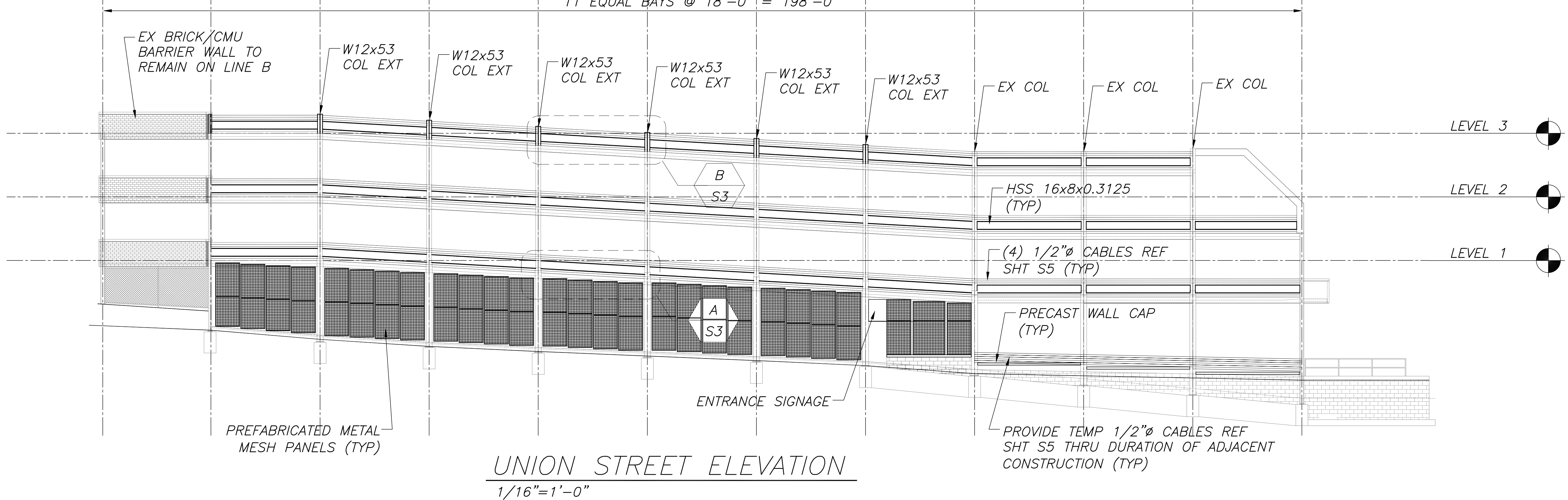
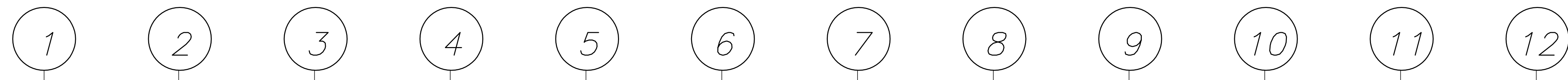
APPROVED	
DESCRIPTION	PHASE 1 PERMIT SET
DATE	11/05/12
REV. NO.	1
DESIGNED BY: TMM	NOTED: 11/05/12
DRAWN BY: TMM	
CHECKED BY: TMM	
SCALE:	

PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
DEMOLITION



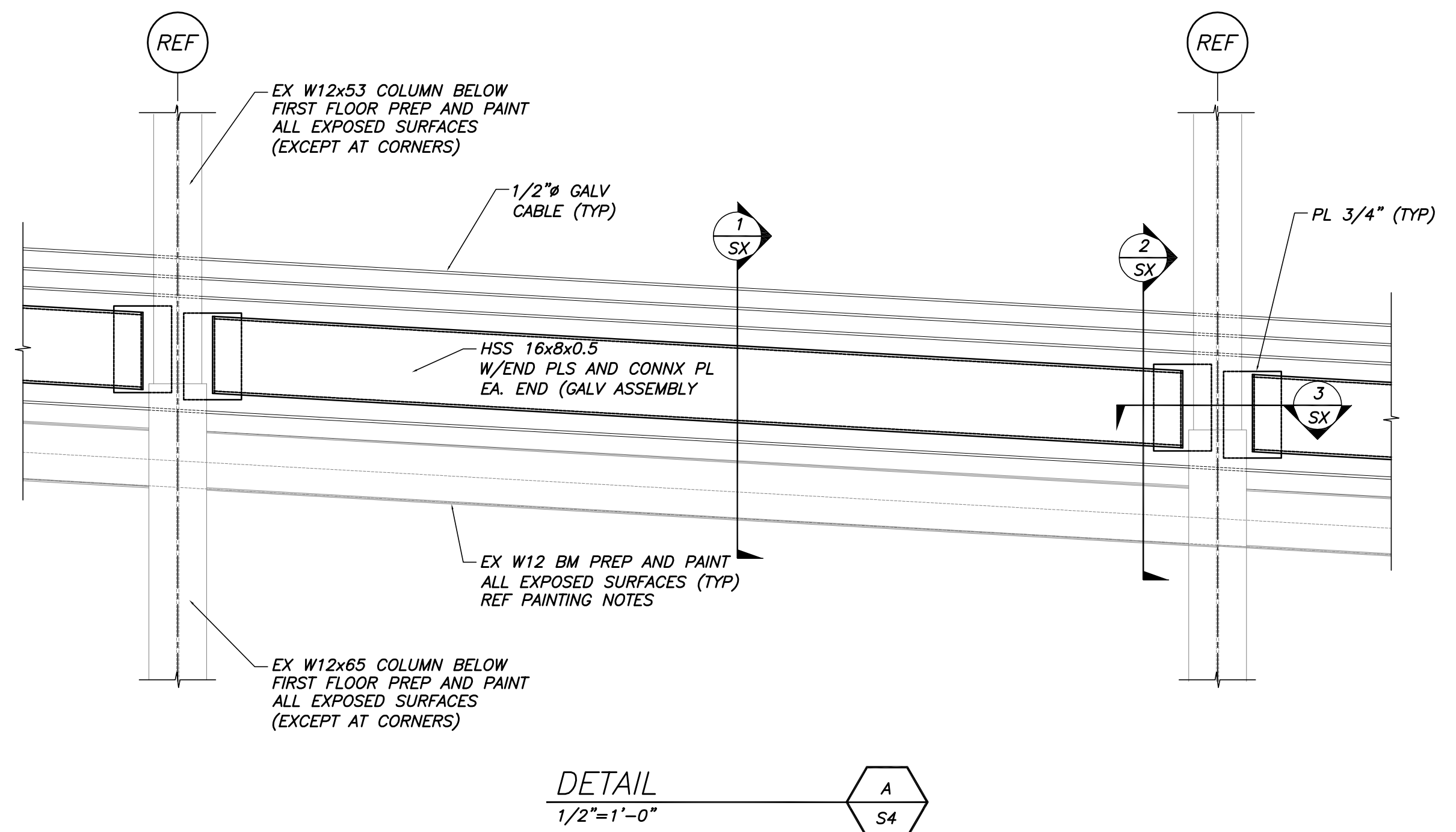
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DATE	11/5/12
REV. NO.	
DESIGNED BY: TMN	
DRAWN BY: TMN	
CHECKED BY: TMN	
SCALE: NOTED	
DATE: 11/5/12	

PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
UNION STREET ELEVATION & PLAN

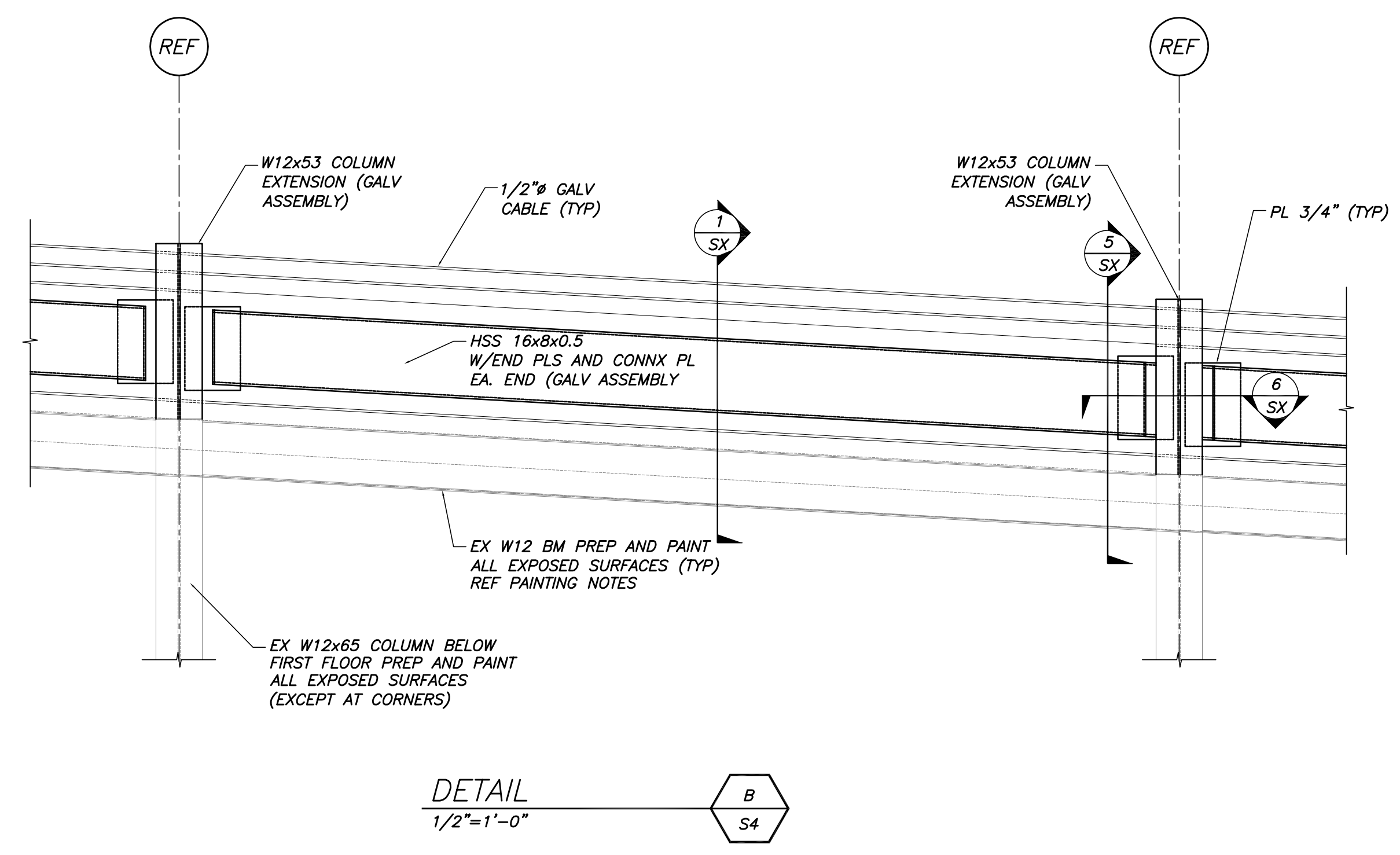


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DETAIL
1/2"=1'-0" A
S4



DETAIL
1/2"=1'-0" B
S4

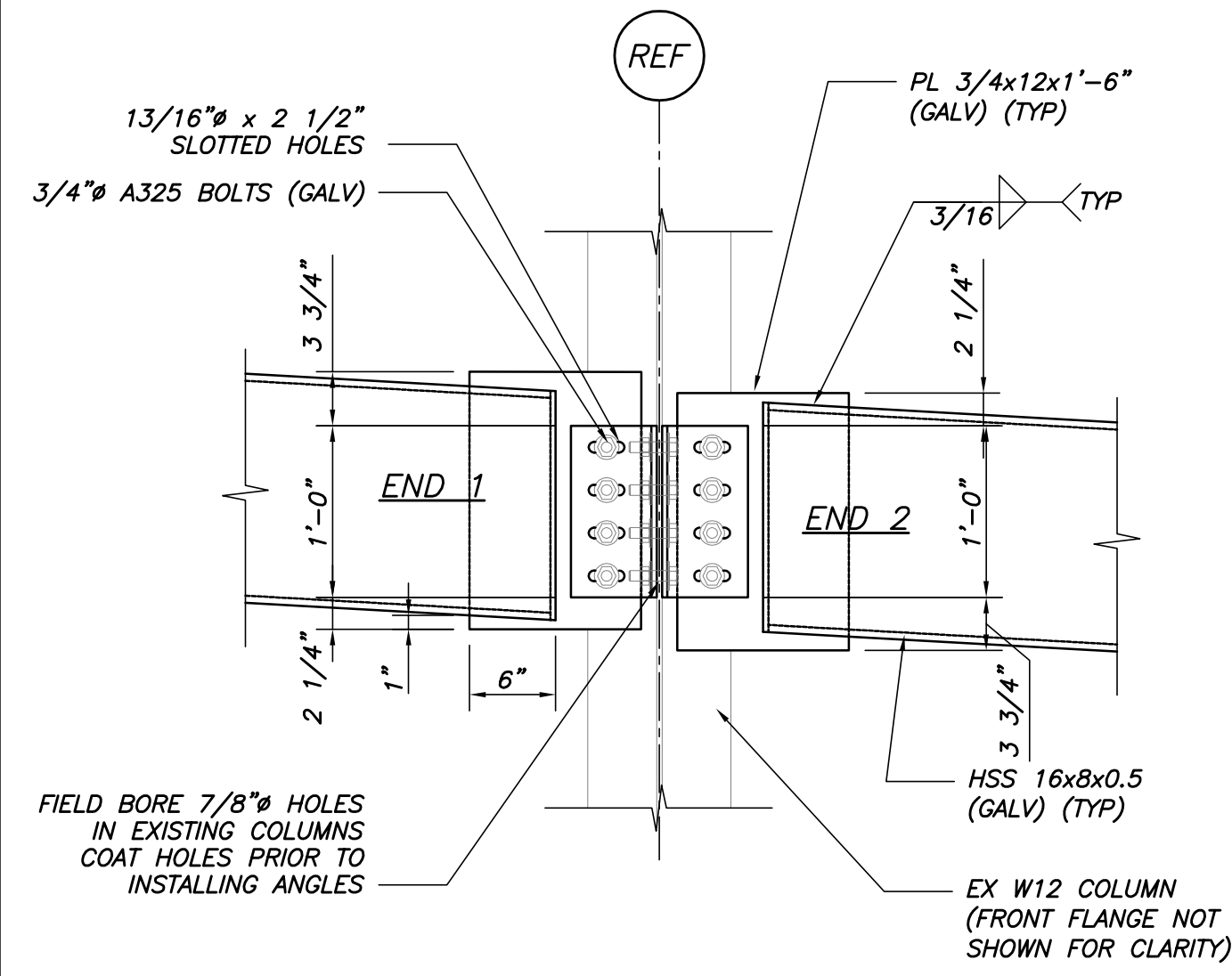
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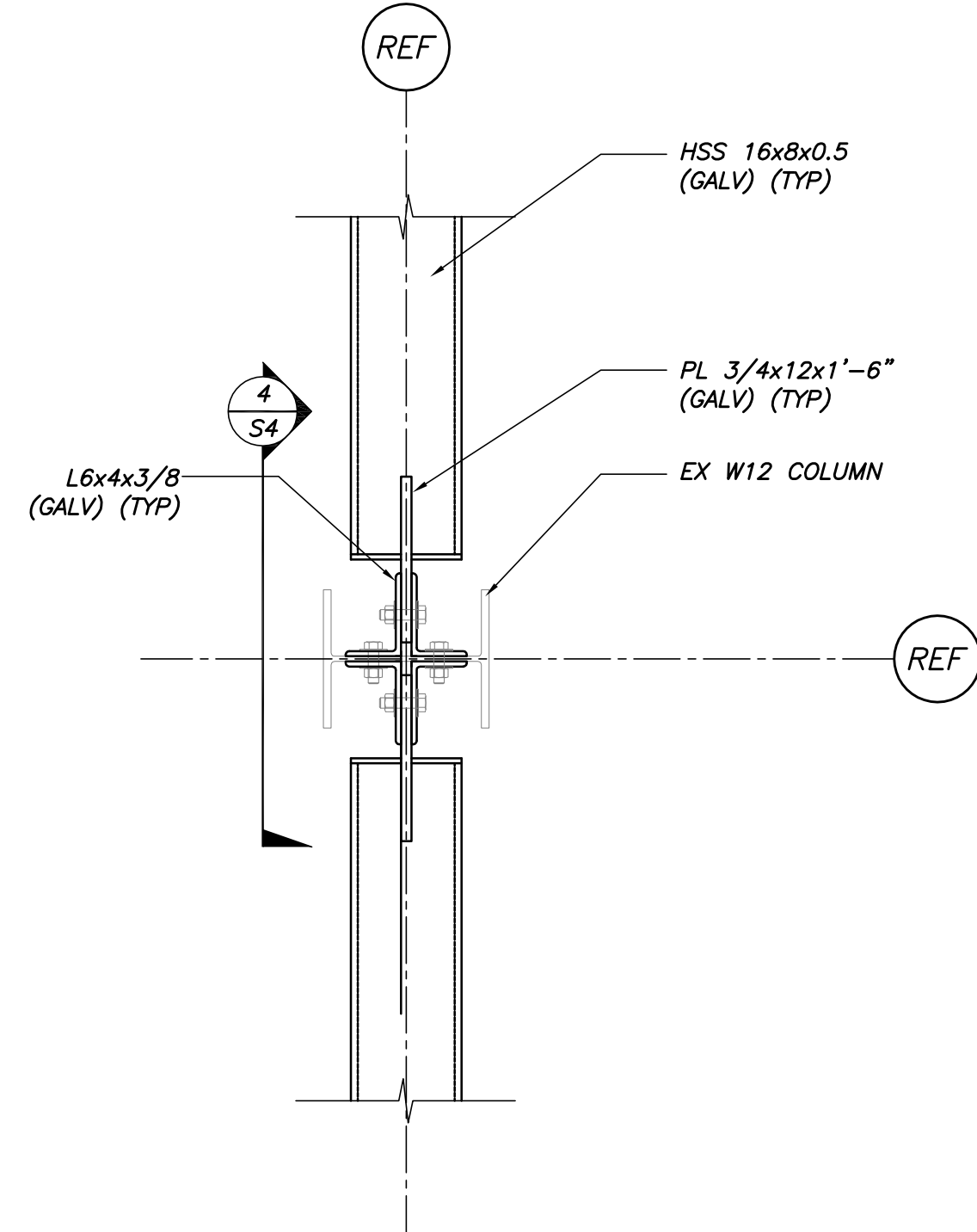


APPROD	
DESCRIPTION	PHASE 1 FACADE REPAIRS PERMIT SET
DATE	11/5/12
REV. NO.	-
DESIGNED BY: TMW	
DRAWN BY: TMW	
CHECKED BY: TMW	
SCALE: NOTED	
DATE: 11/5/12	

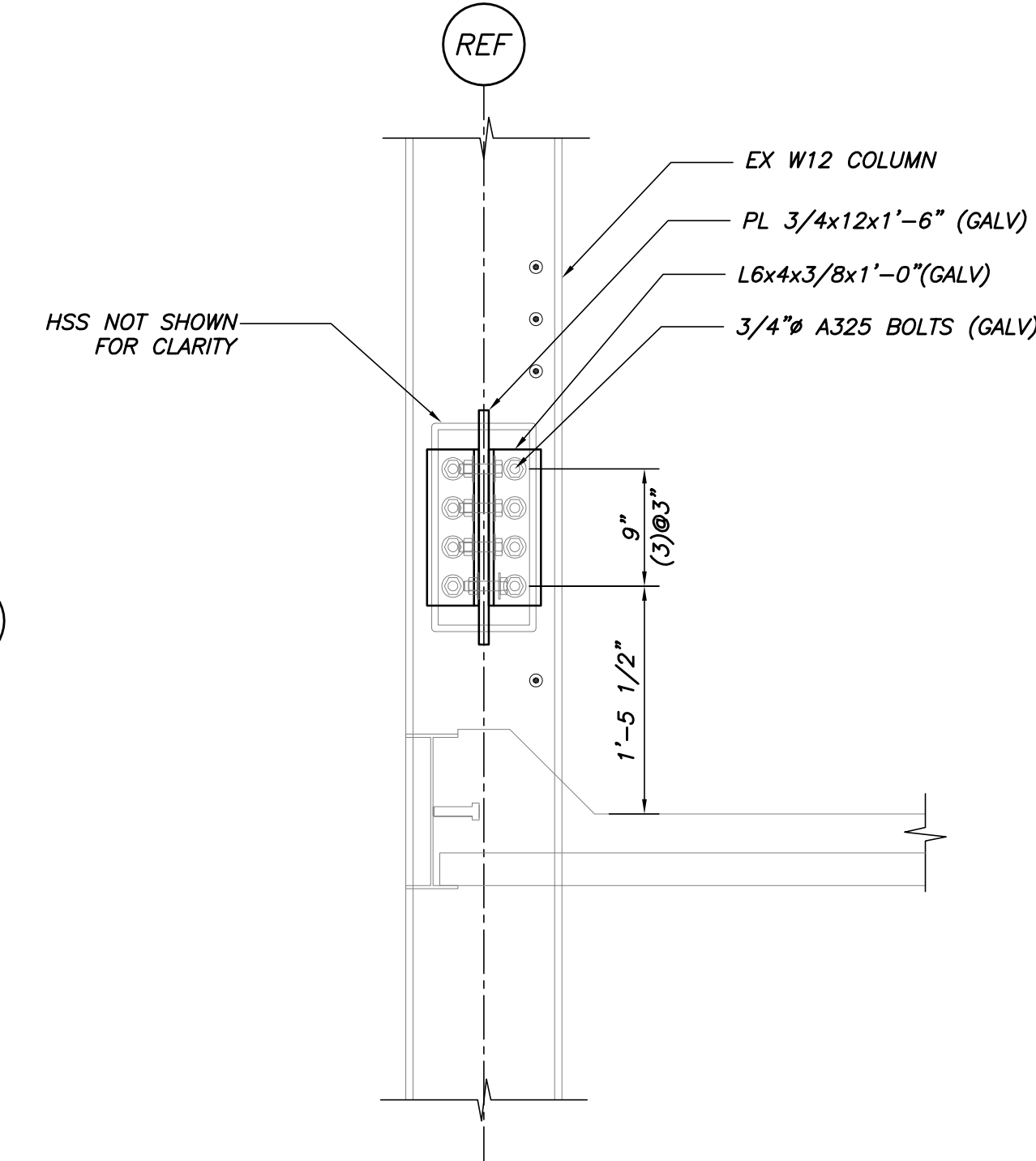
PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
SECTIONS AND DETAILS



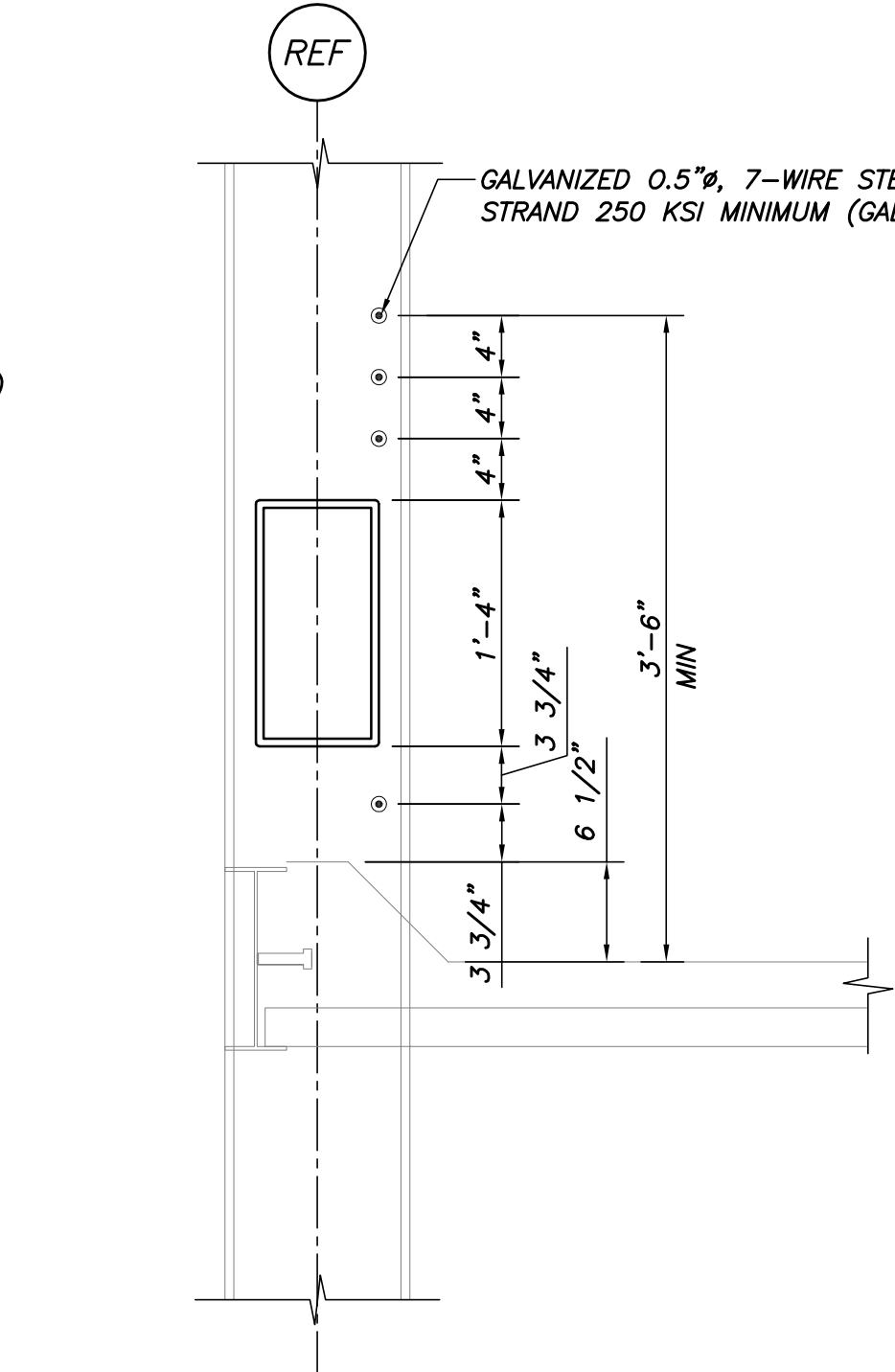
SECTION 4
1"=1'-0"



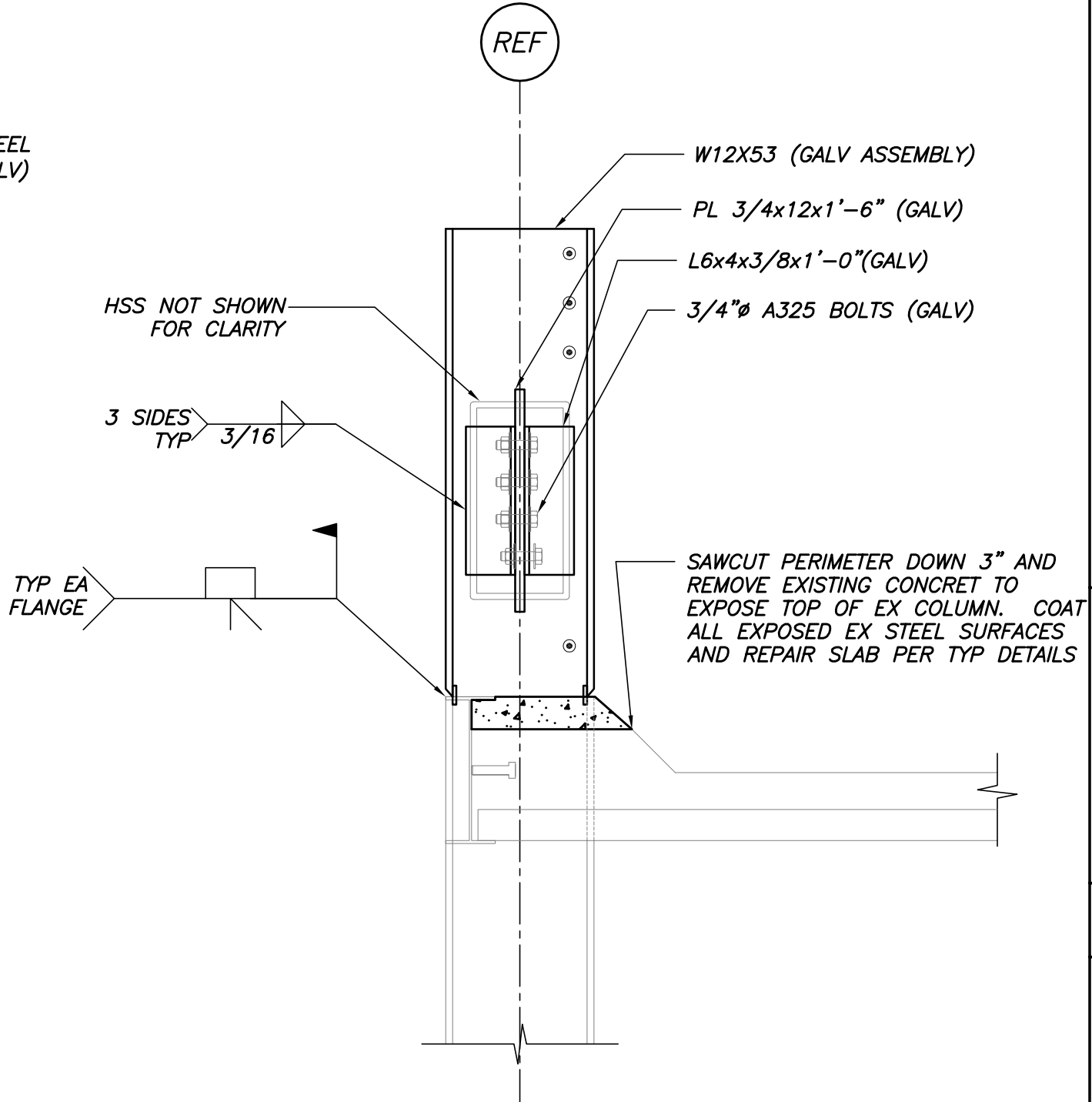
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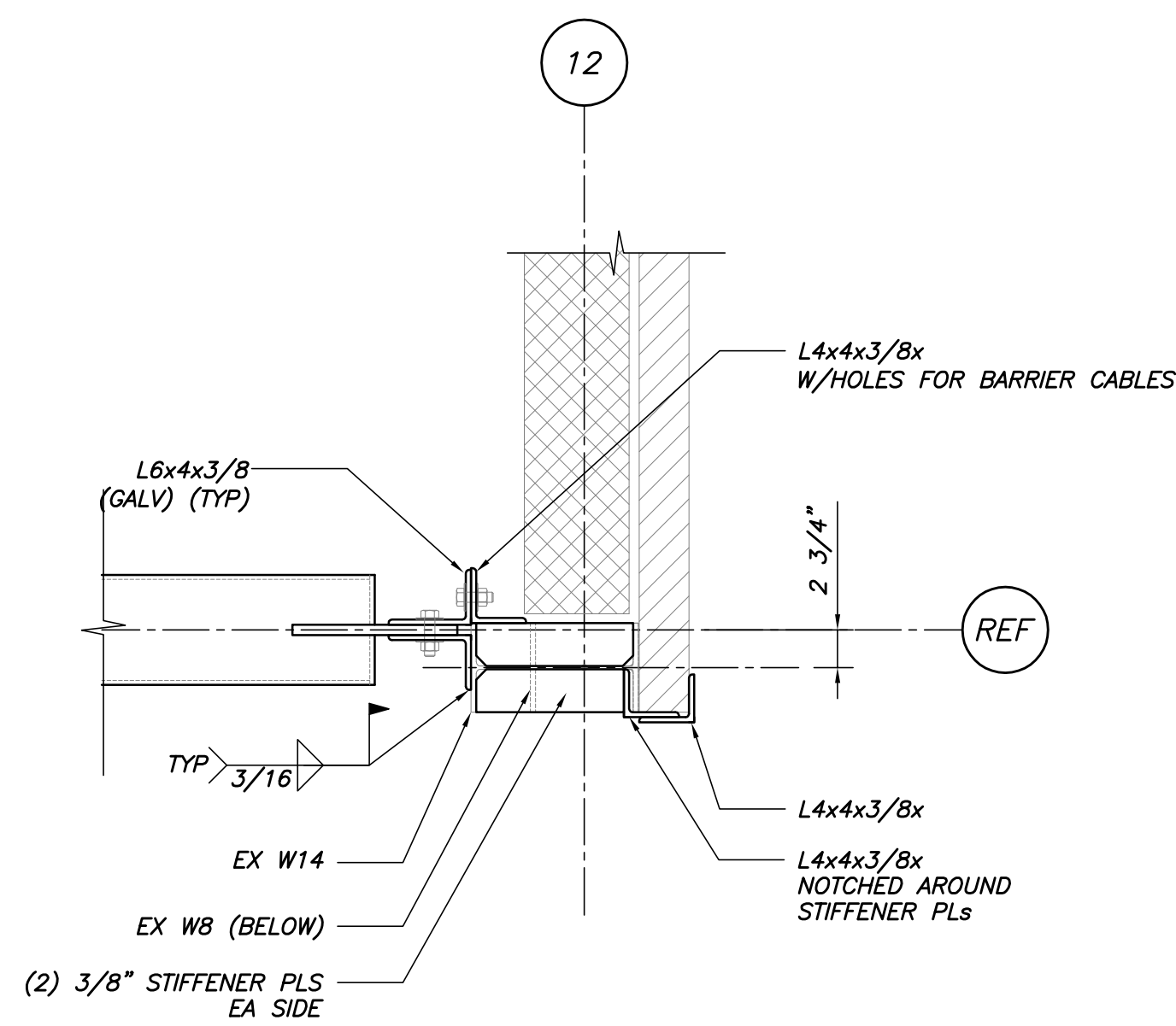
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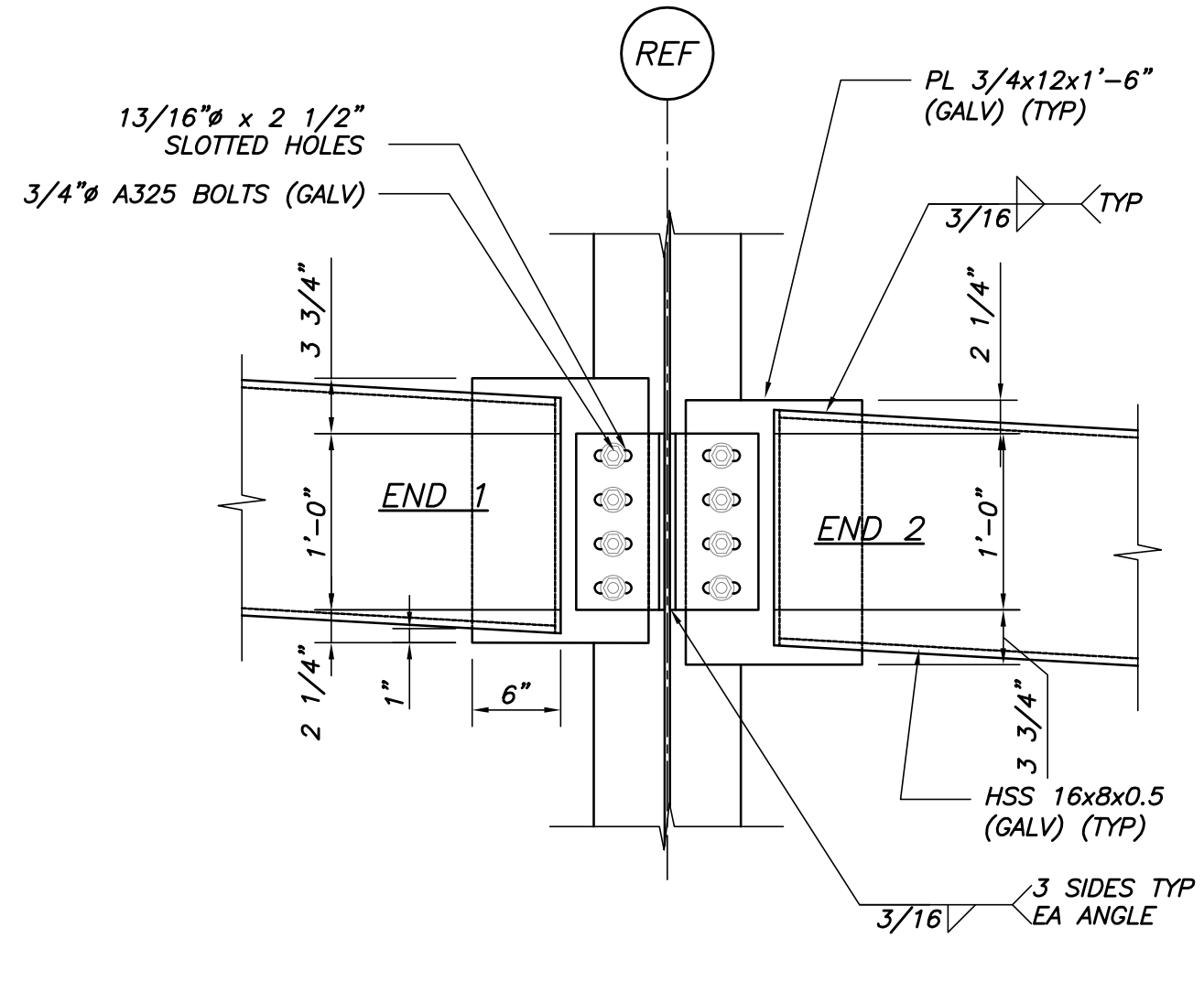
SECTION 1
1"=1'-0"



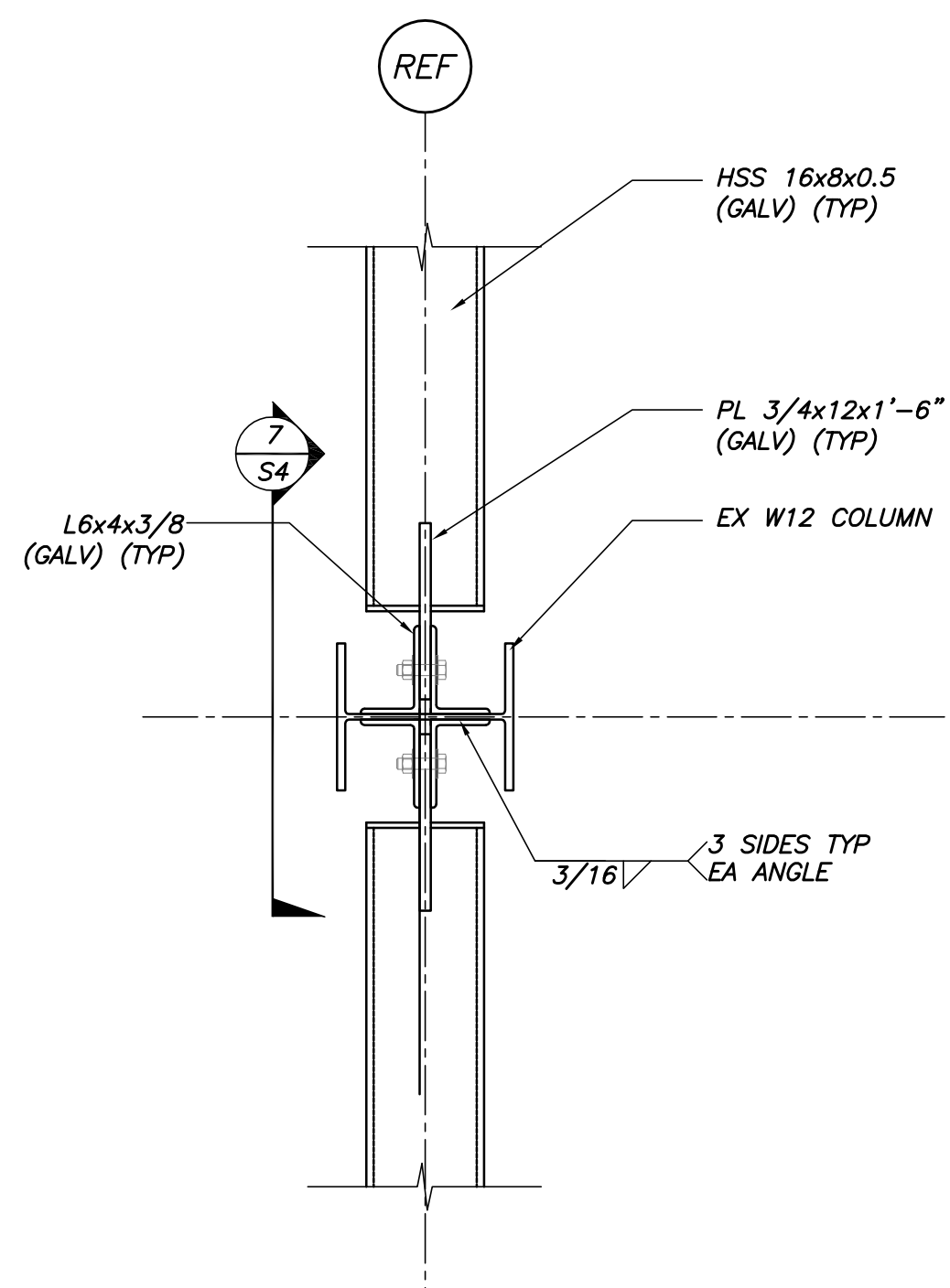
SECTION 5
1"=1'-0"



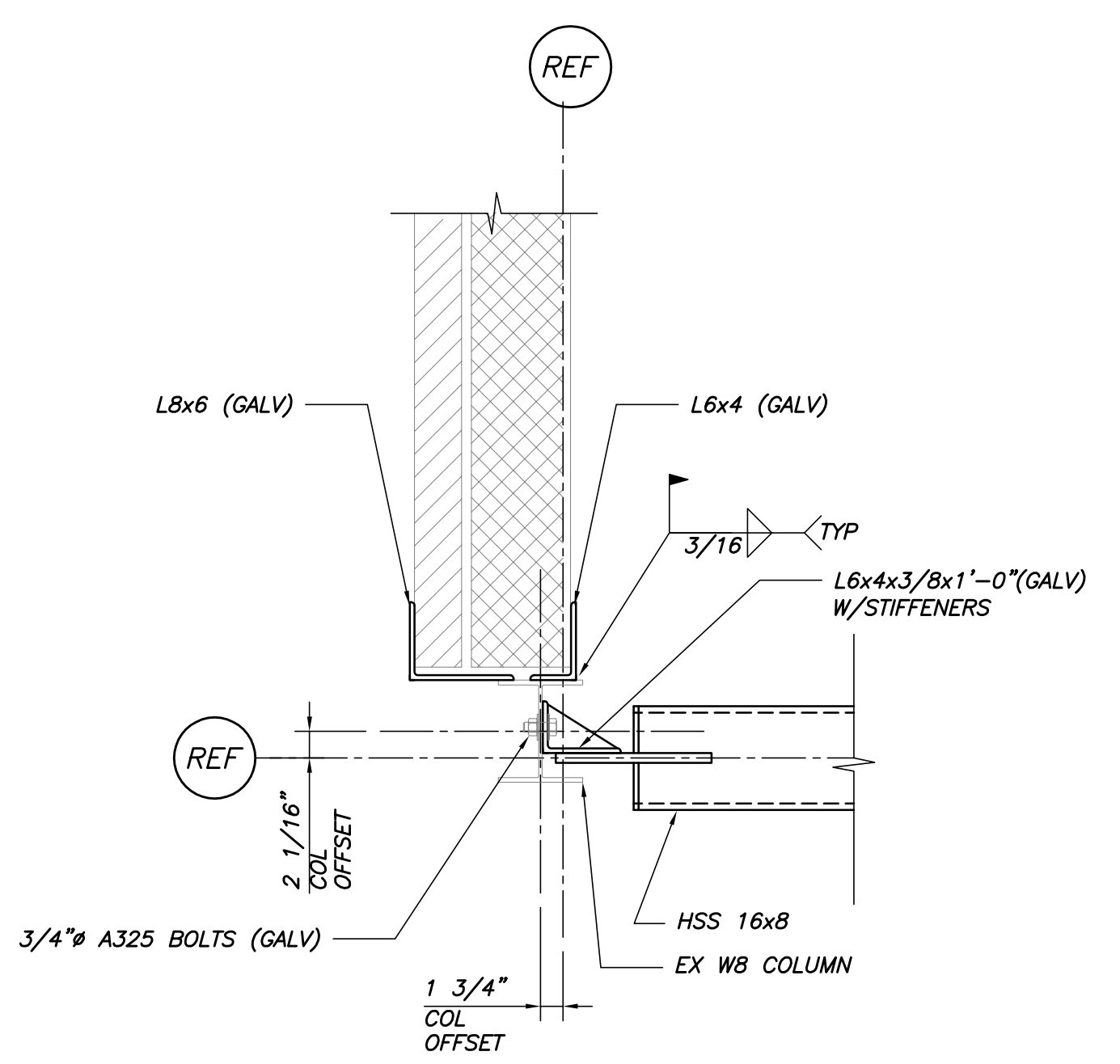
DETAIL A
1"=1'-0"



SECTION 7
1"=1'-0"



SECTION 6
1"=1'-0"



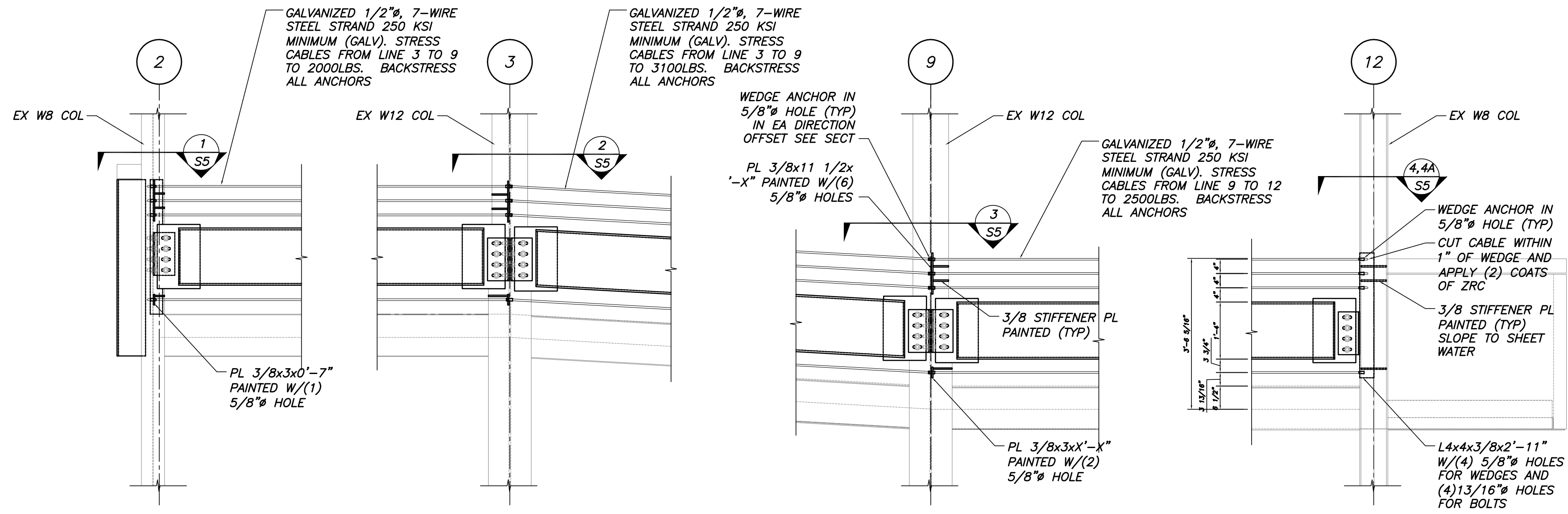
DETAIL C
1"=1'-0"

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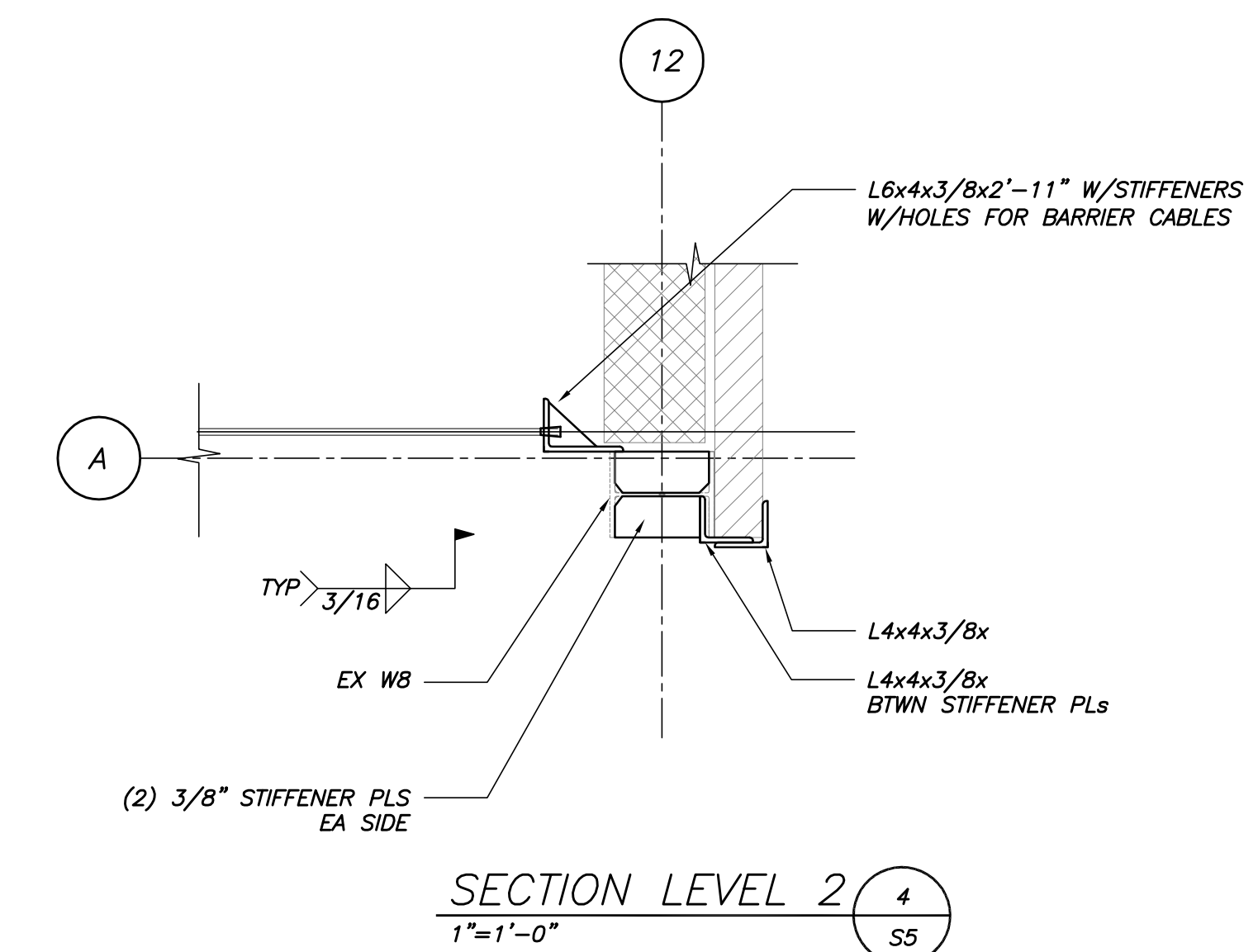
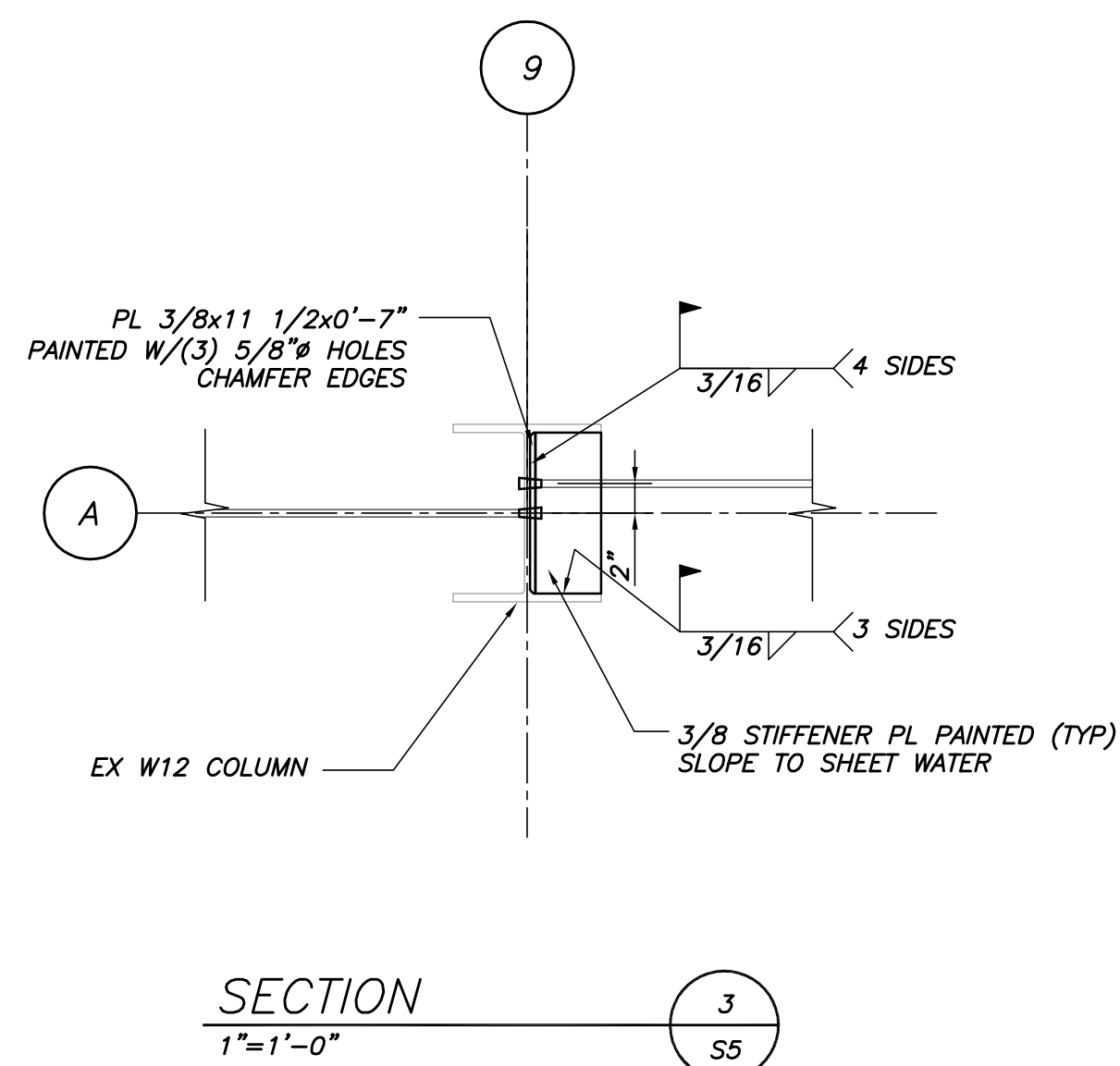
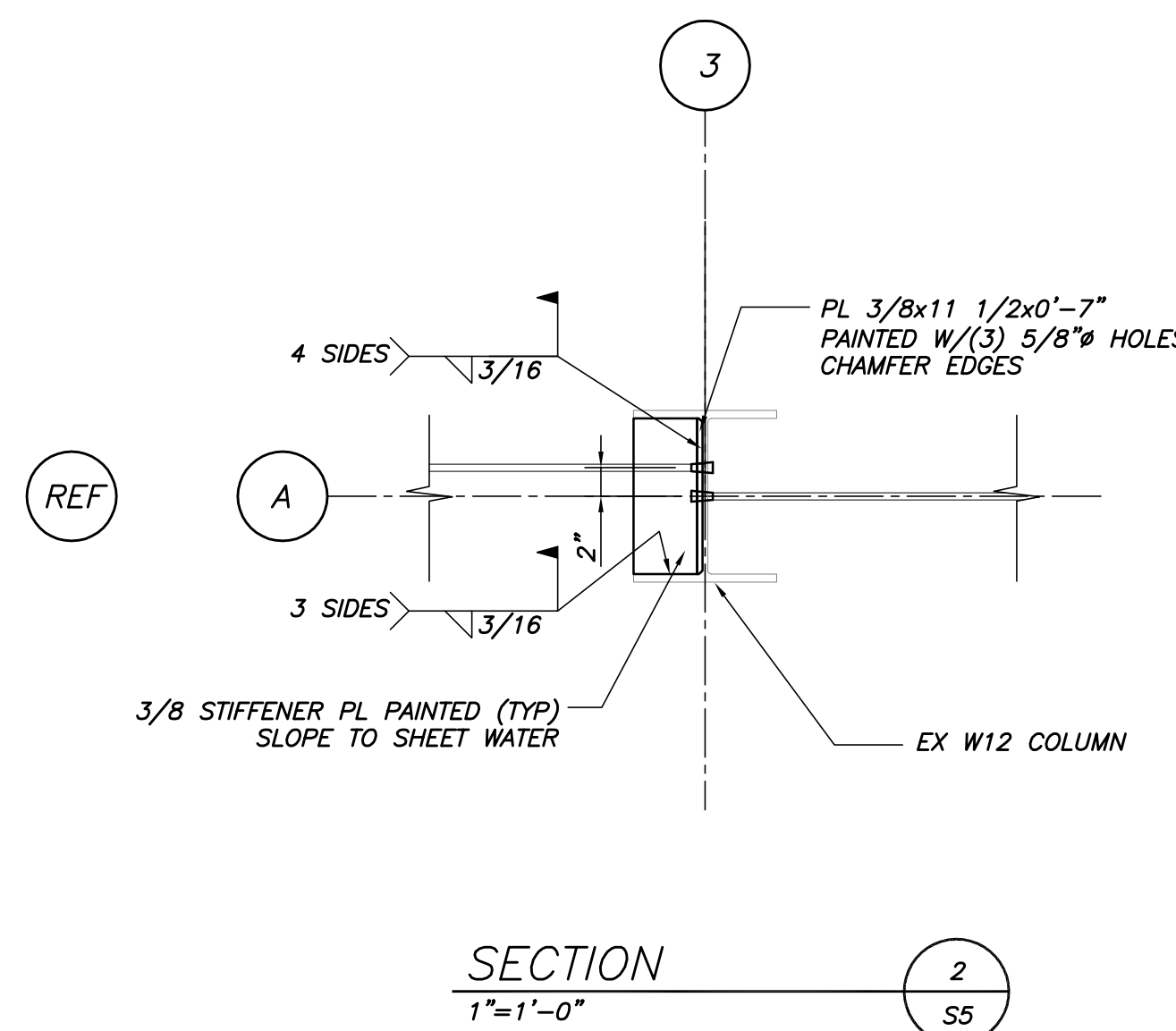
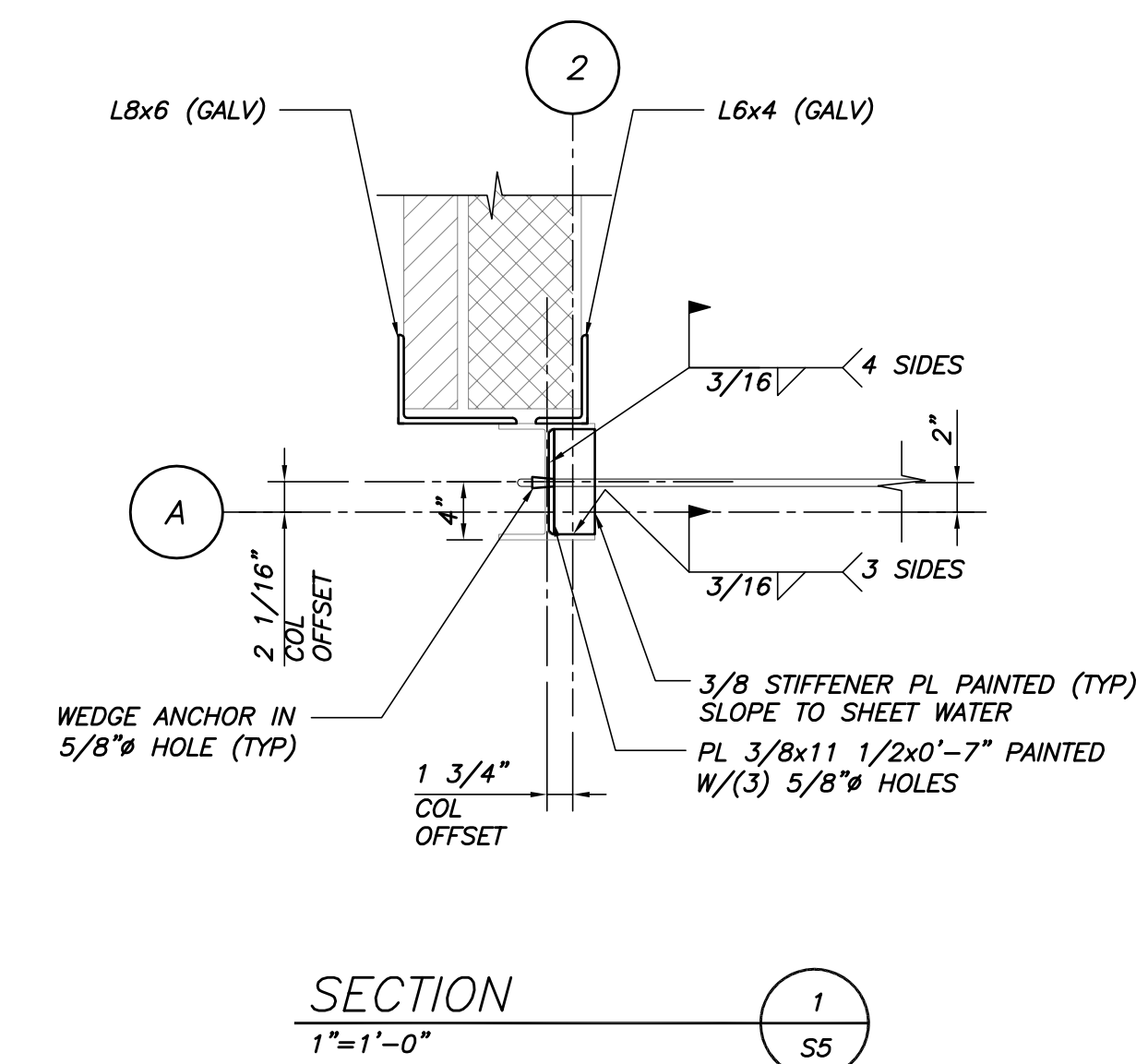
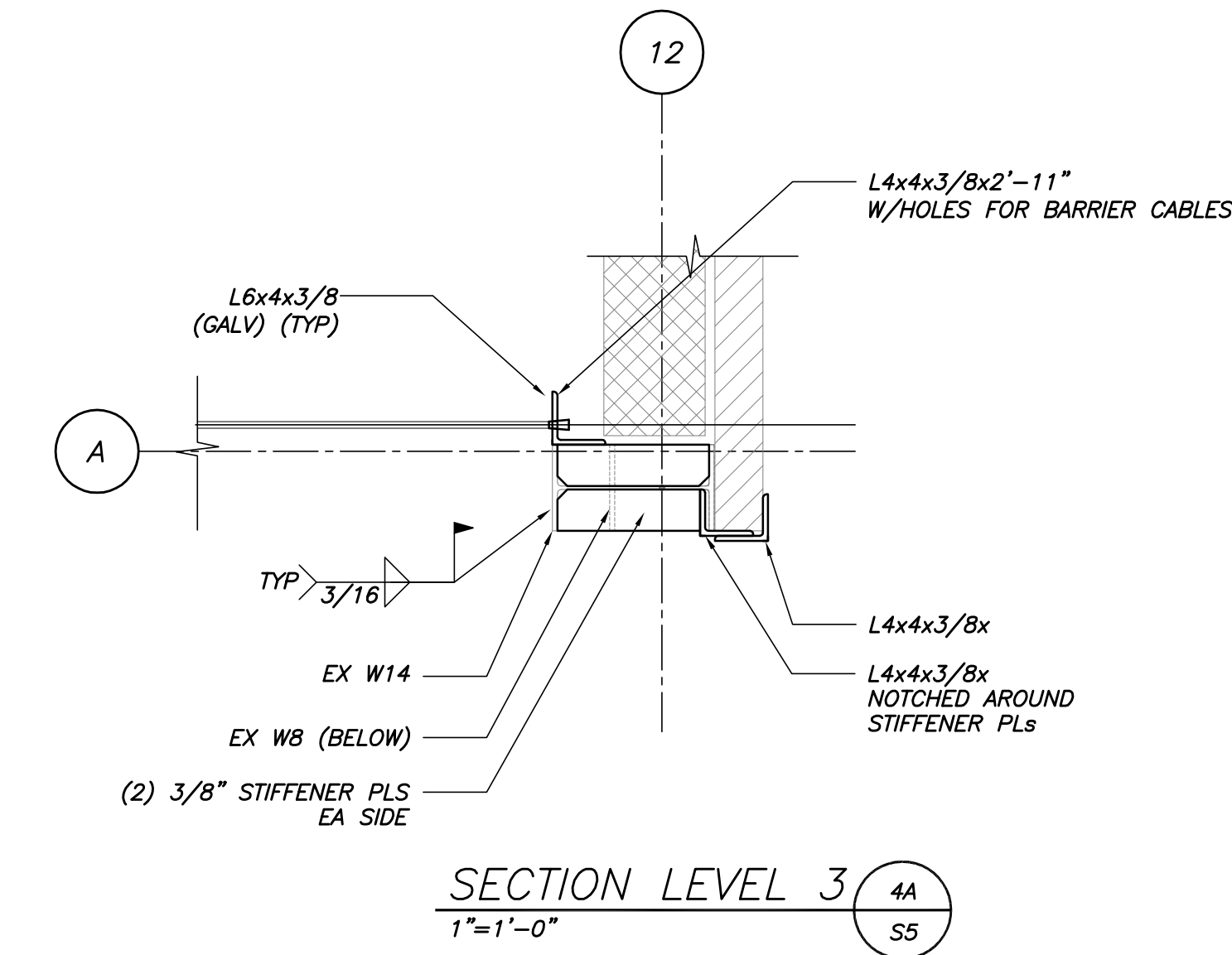


APPROVED		DESCRIPTION	PHASE 1 FACADE REPAIRS PERMIT SET
DATE	11/5/12	REV. NO.	1
DESIGNED BY	TMM	DRAWN BY	TMM
CHECKED BY	TMM	SCALE	NOTED
DATE	11/5/12		
PROJECT: FORE STREET PARKING FACILITY PORTLAND, MAINE			
FACADE REPAIRS PHASE 1 SECTIONS AND DETAILS			
DRAWING NO. S4			



BARRIER CABLE DETAILS
1/2"=1'-0"

- NOTES:**
- ALL WORK SHALL CONFORM TO THE POST TENSIONING INSTITUTES (PTI) GUIDE SPECIFICATION "SPECIFICATION FOR SEVEN-WIRE PRESTRESSING STEEL STRAND FOR BARRIER CABLE APPLICATIONS."
 - ALL STRAND SHALL BE 1/2" GRADE 250 (MINIMUM) AND GALVANIZED PER ASTM A 475 CLASS A.
 - ALL WEDGE TYPE ANCHORS SHALL BE CAPABLES OF DEVELOPING 95% OF THE MINIMUM ULTIMATE BREAKING STRENGTH OF THE BARRIER CABLE.
 - INSTALLATION:
 - THE SYSTEM SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT AND BE CONSTRUCTED SUCH THAT A 4" SPHERE SHALL NOT PASS THROUGH ANY OPENING.
 - PROPERLY CALIBRATED STRESSING EQUIPMENT SHALL BE SUPPLIED FOR THE PARTICULAR APPLICATION AND BARRIER CABLE SYSTEM THAT IS NECESSARY TO PERFORM THE WORK.
 - AT INTERMEDIATE COLUMNS, PROVIDE A HOLE WHICH IS A MINIMUM OF 1/8" LARGER THAN THE BARRIER STRAND DIAMETER USED (INCLUDING COATING).
 - ALL ANCHORAGES SHALL BE BACKSTRESSED. THE CABLE SHALL BE STRESSED TO 80% OF MINIMUM ULTIMATE TENSILE STRENGTH (MUTS). ANY DAMAGE TO CABLE COATINGS DUE TO THIS PROCESS SHALL BE REPAIRED WITH 2 COATS OF ZRC COLD GALVANIZING.
 - BARRIER CABLE TAILS SHALL BE REMOVED TO WITHIN 1" OF END OF ANCHORS USING AN OXYACETYLENE TORCH, A METAL CUT-OFF SAW, A HYDRAULIC SHEAR OR PLASMA CUTTING DEVICE. ALL ENDS SHALL BE COATED WITH 2 COATS OF ZRC COLD GALVANIZING.



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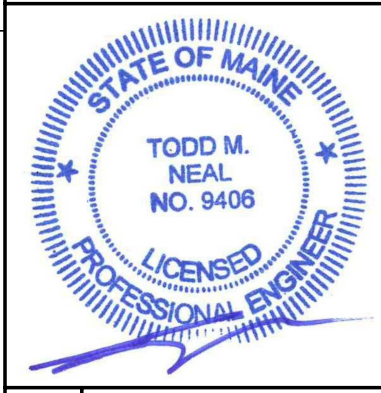
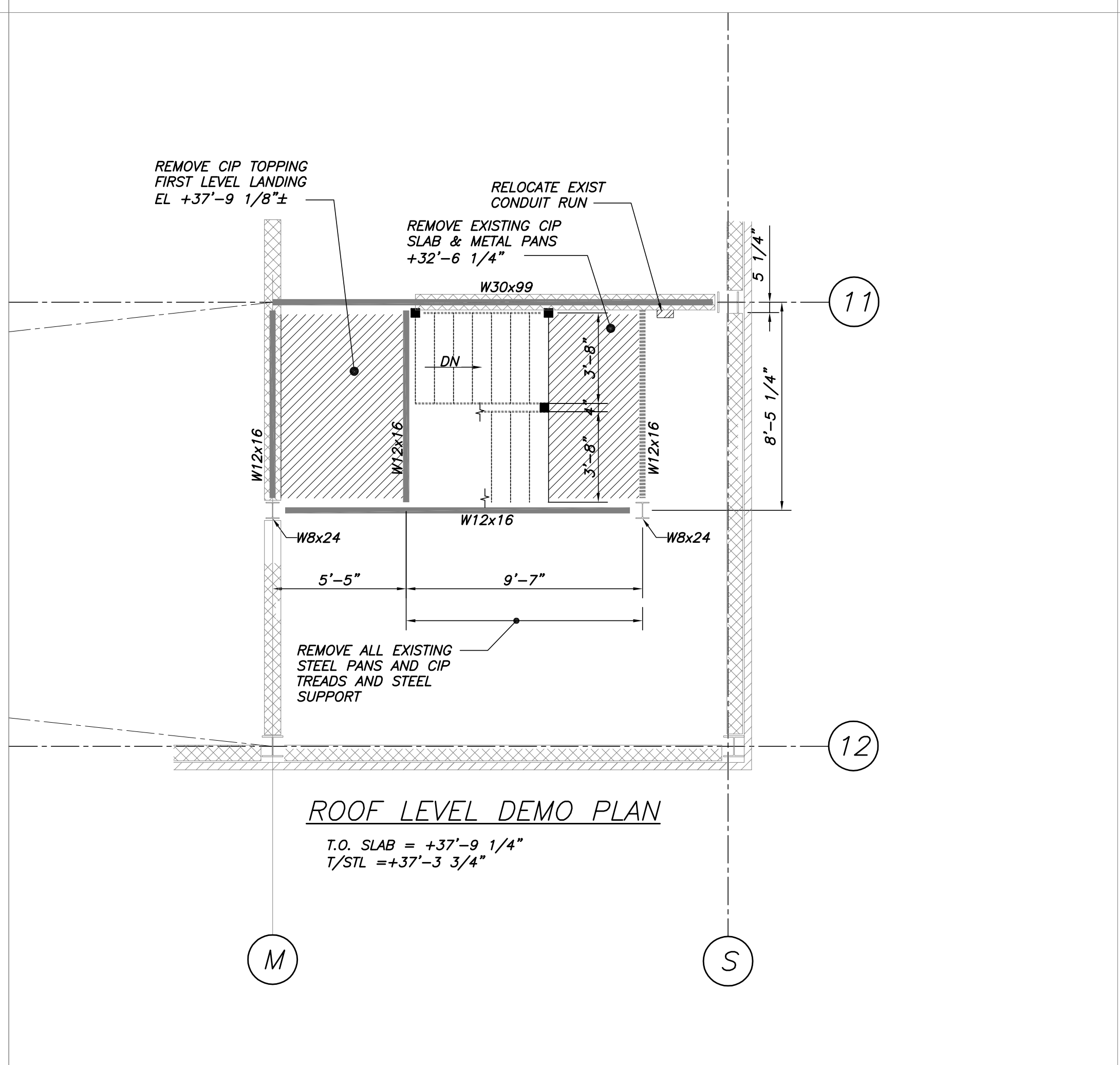
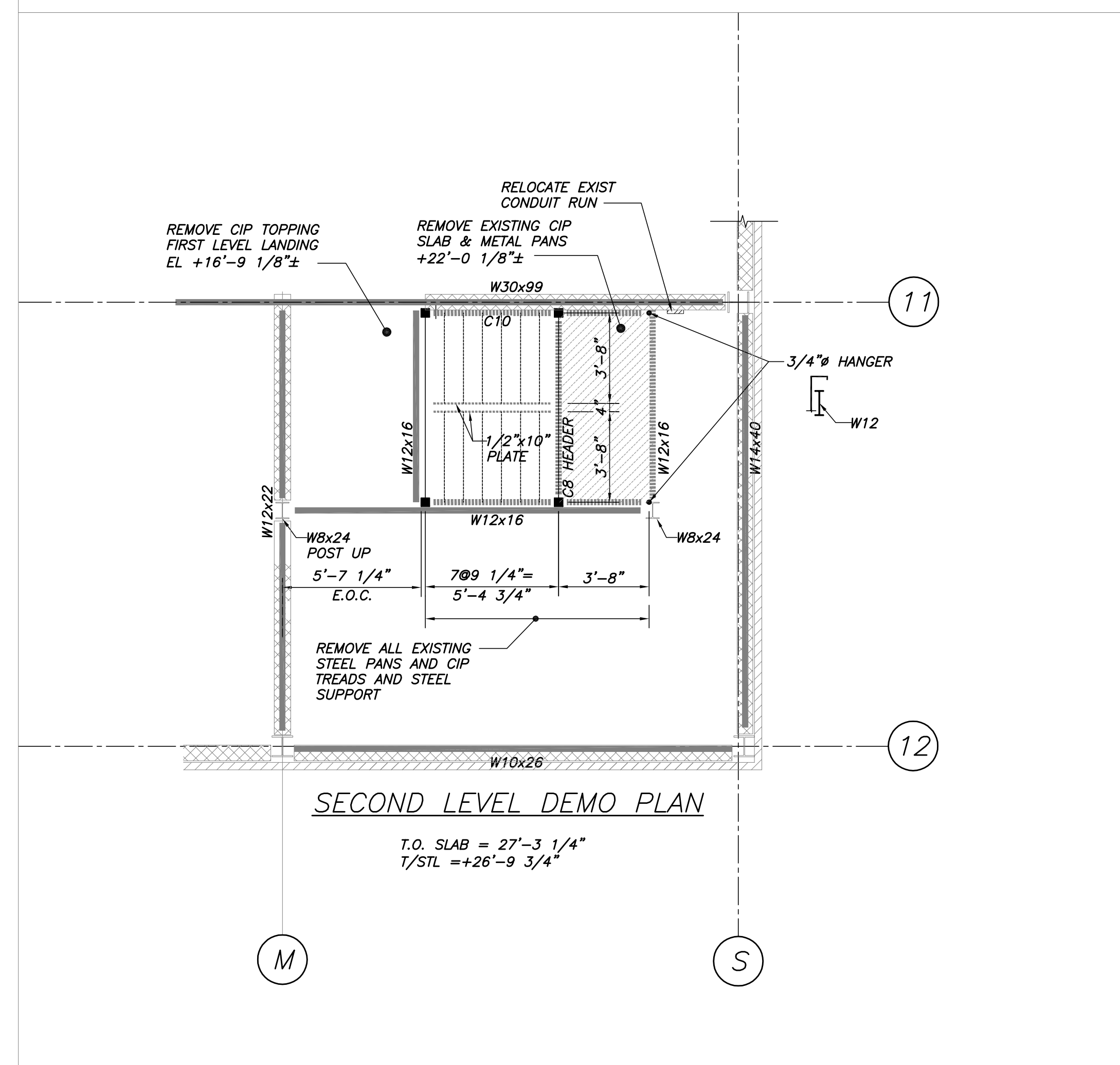
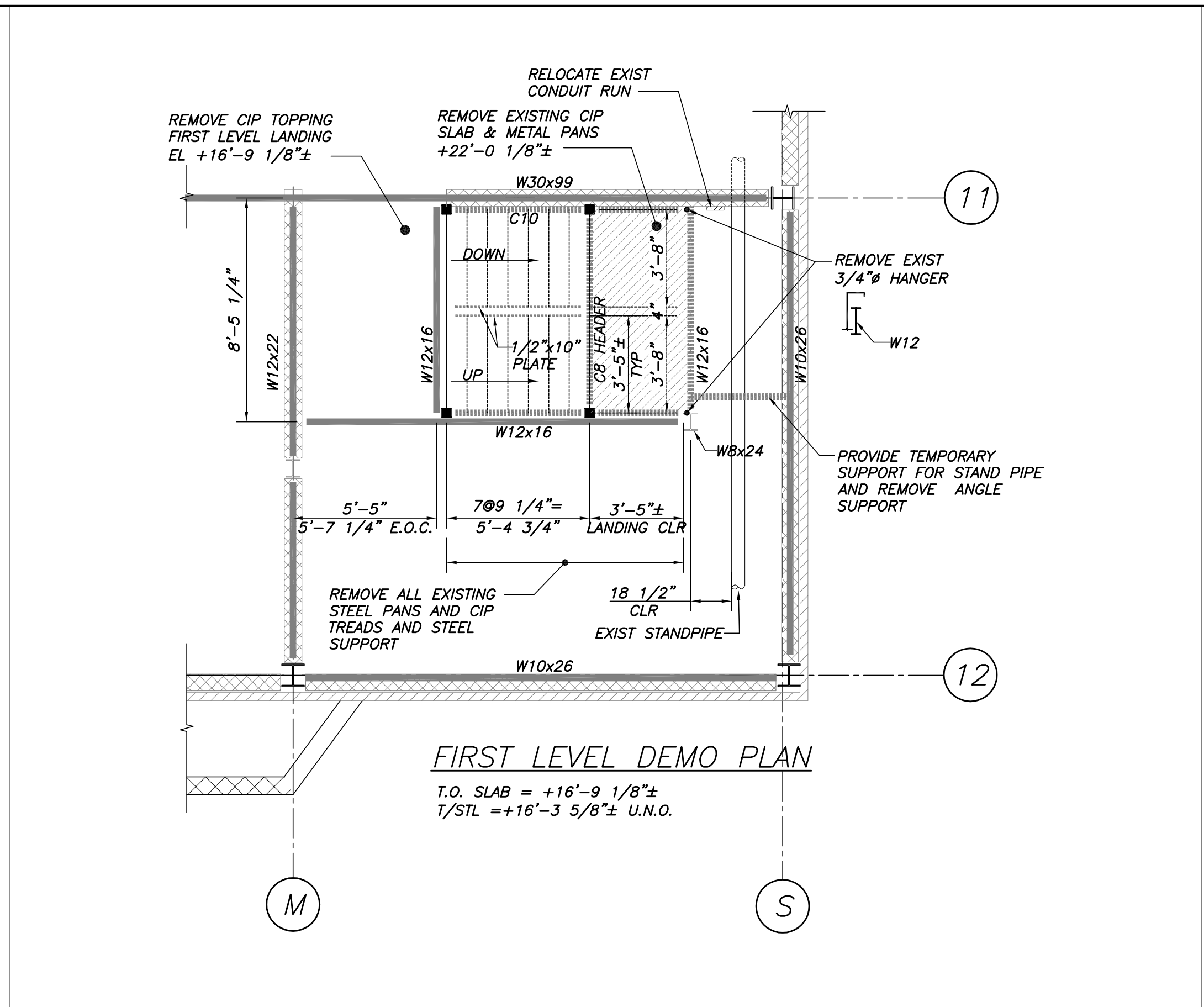
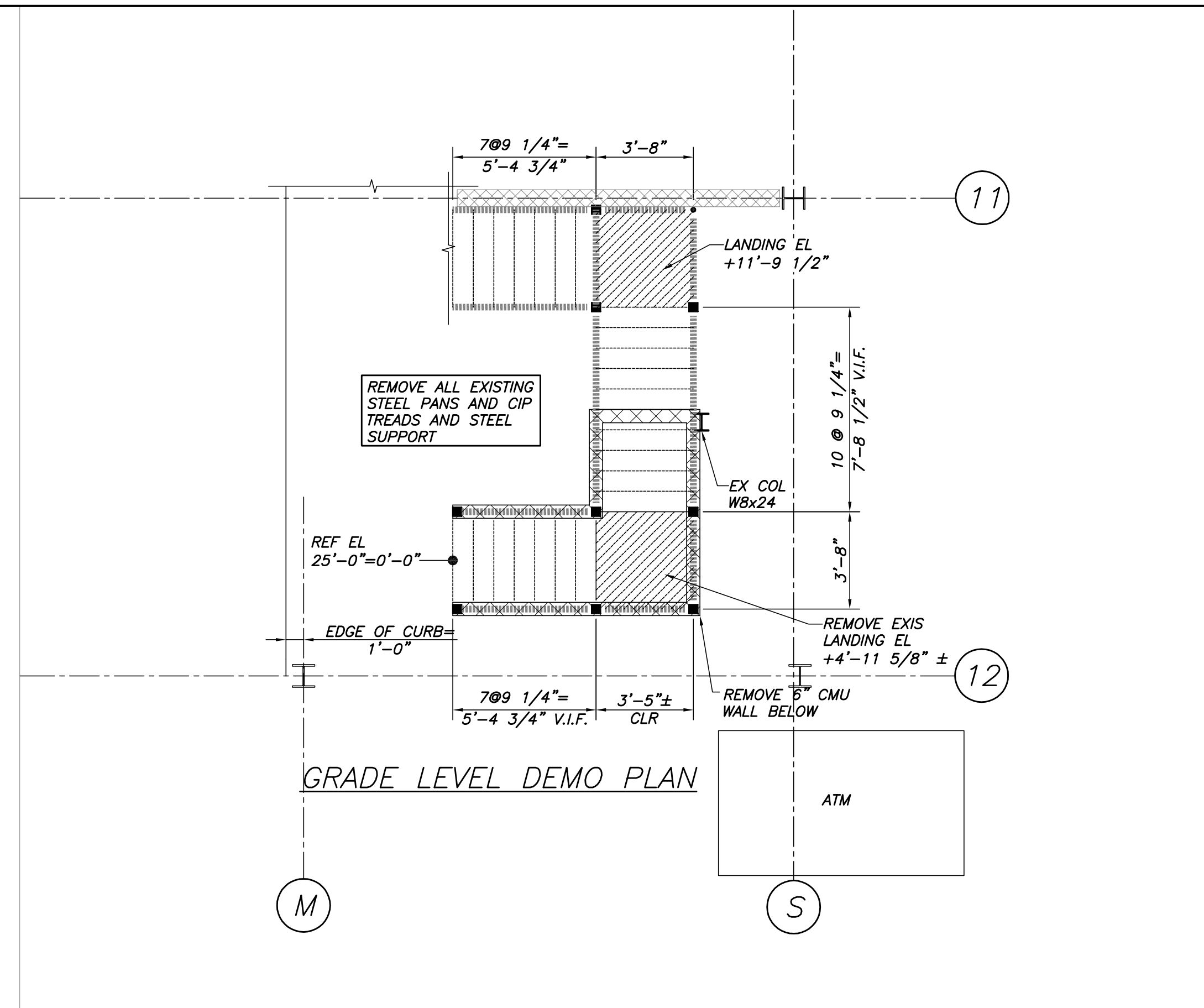
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DESCRIPTION	PHASE 1 FACADE RESTORATION PERMIT SET
DATE	11/5/12
REV. NO.	1
DESIGNED BY: TMW	
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CHECKED BY: TMW	
SCALE: NOTED	
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PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
BARRIER CABLE DETAILS

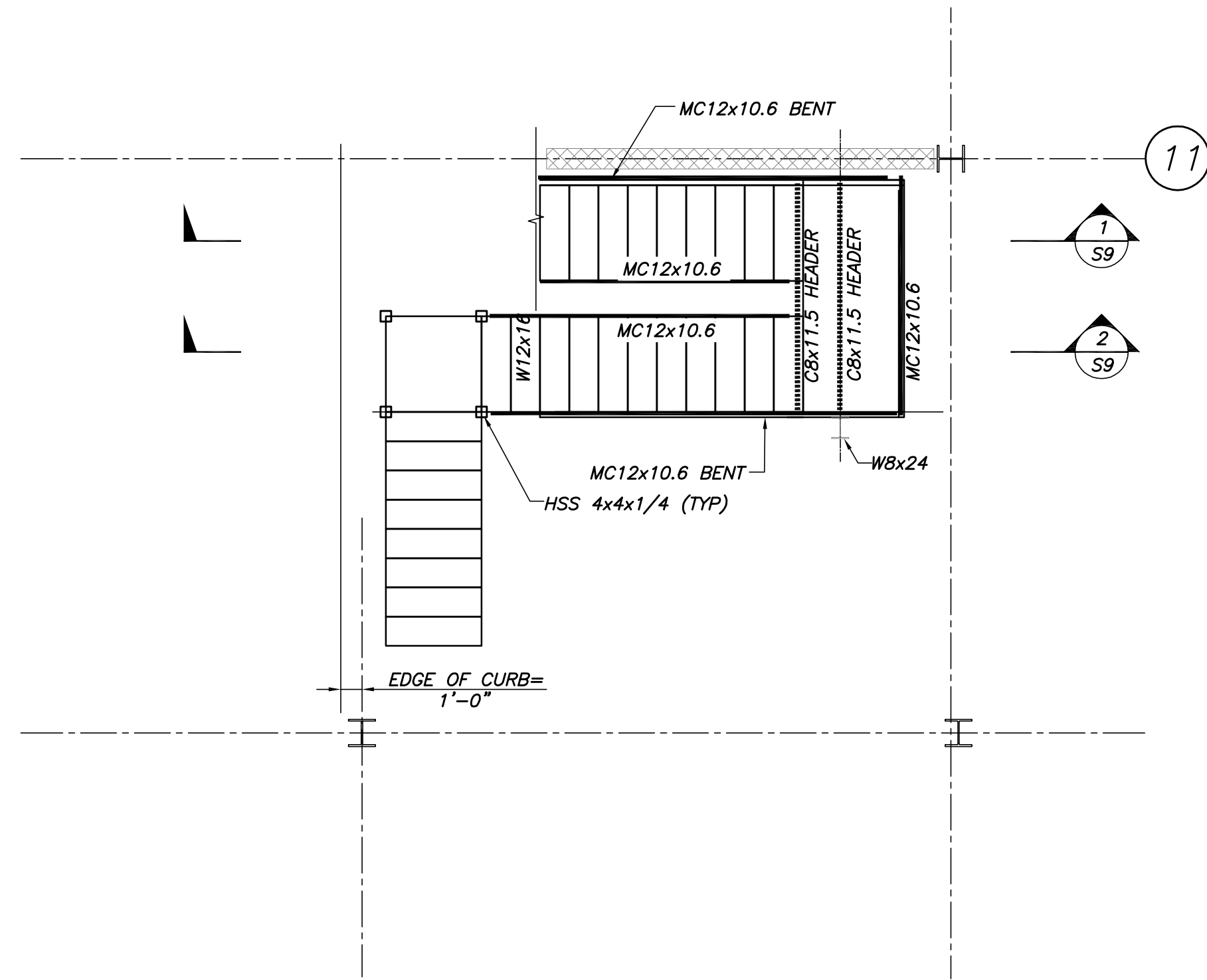
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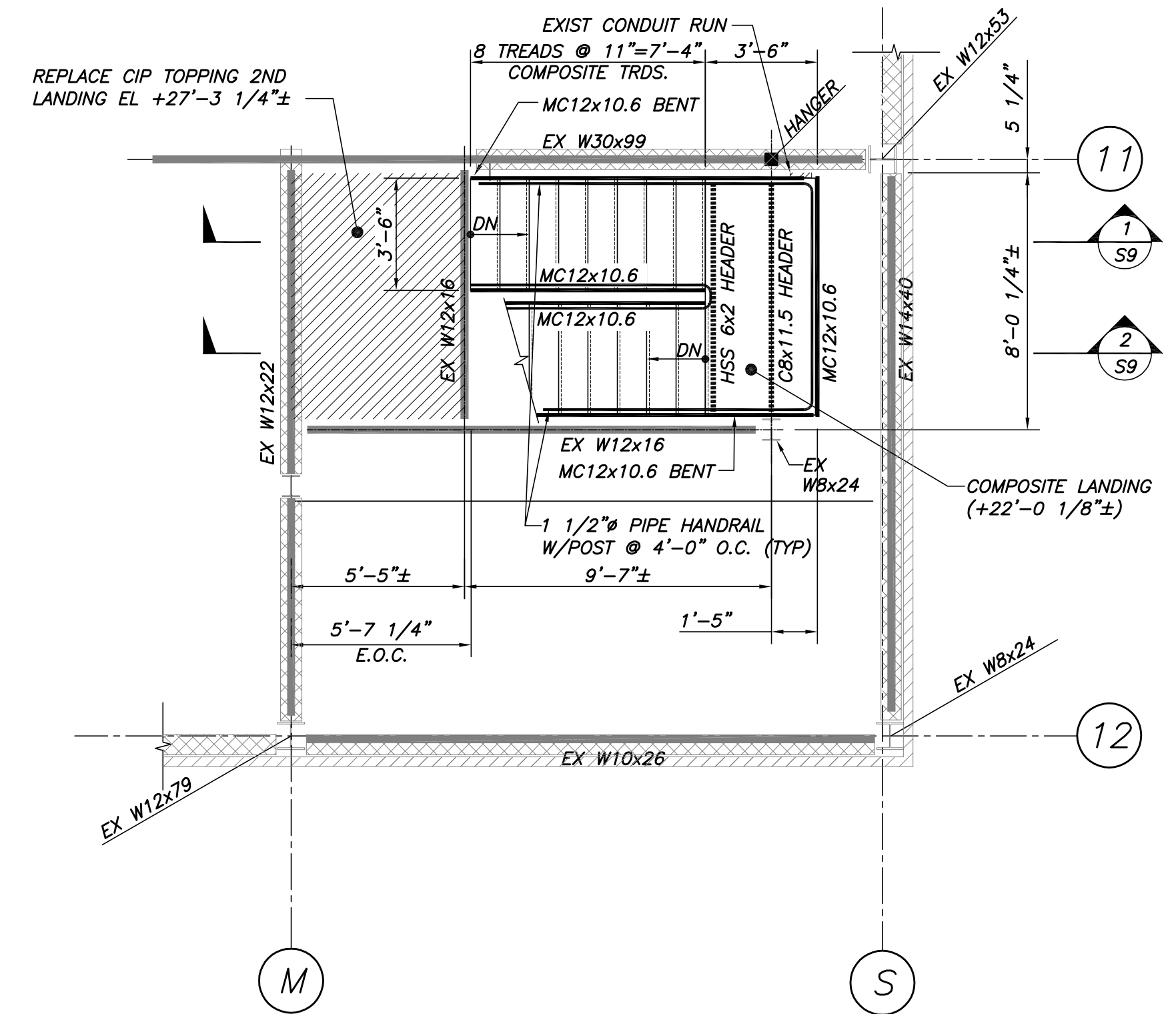
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SCALE:	

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NOT FOR CONSTRUCTION



GRADE LEVEL DEMO PLAN



2ND, 3RD & ROOF LEVEL PLAN
1/4"=1'-0"

GENERAL NOTES:

- THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES. INCONSISTENCIES BETWEEN THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE JOB SPECIFICATIONS AND DRAWINGS TITLED "GILMAN STREET PARKING GARAGE PHASE 3 RESTORATION".
- THE REPAIRS TO THE STAIR TOWER HAVE BEEN DESIGNED TO RE-ESTABLISH THE STRUCTURAL INTEGRITY OF THE STRUCTURE AFTER THE REPAIRS ARE COMPLETE. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING RESTORATION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE ENGINEER.
- ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONS SAFETY AND HEALTH ACT.

DESIGN:

- BUILDING CODE: IBC 2003
- DESIGN LOADS: 100 PSF OR 300LB CONCENTRATED LOAD.
- DEFLECTION LIMIT: MAXIMUM L/360 OR 1/4"

STAIR FRAMING NOTES:

MATERIAL

- STRUCTURAL STEEL PLATES, SHAPES AND BARS SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.
- PIPE: ASTM A53 TYPE F OR TYPE S, GRADE A, STANDARD WEIGHT (SCHEDULE 40), UNLESS NOTED OTHERWISE.
- STRUCTURAL TUBING: CONFORM TO ASTM A500, GRADE B46.
- WHERE WELDING INS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. ELECTRODES SHALL CONFORM TO AWS 5.1, E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM WELD (LOW HYDROGEN). ALL WELDERS SHALL BE AWS CERTIFIED.
- FASTENERS: ALL FASTENERS SHALL BE HOT DIP GALVANIZED OR APPROVED EQUAL.
- ANCHOR BOLTS: PROVIDE HOT-DIP GALVANIZED.
- UNIVERSAL SHOP PRIMER: FAST-CURING, LEAD- AND CHROMATE-FREE, UNIVERSAL MODIFIED-ALKYD PRIMER COMPLYING WITH MPI#79.
 - USE PRIMER WITH A VOC CONTENT OF 420 G/L (3.5 LB/GAL.) OR LESS WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24).
 - USE PRIMER CONTAINING PIGMENTS THAT MAKE IT EASILY DISTINGUISHABLE FROM ZINC-RICH PRIMER.
- NON-SHRINK, NONMETALLIC GROUT: FACTORY-PACKAGED, NON-STAINING, NON-CORROSIVE, NONGASEOUS GROUT COMPLYING WITH ASTM C 1107. PROVIDE GROUT SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR EXTERIOR APPLICATIONS.

FABRICATION

- SHOP ASSEMBLY: PRE-ASSEMBLE ITEMS IN THE SHOP TO GREATEST EXTENT POSSIBLE. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. USE CONNECTIONS THAT MAINTAIN STRUCTURAL VALUE OF JOINED PIECES. CLEARLY MARK UNITS FOR REASSEMBLY AND COORDINATED INSTALLATION.
- CUT, DRILL, AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS AND EASE EDGES TO A RADIUS OF APPROXIMATELY 1/32 INCH, UNLESS OTHERWISE INDICATED. REMOVE SHARP OR ROUGH AREAS ON EXPOSED SURFACES.
- FORM BENT-METAL CORNERS TO SMALLEST RADIUS POSSIBLE WITHOUT CAUSING GRAIN SEPARATION OR OTHERWISE IMPAIRING WORK.
- FORM EXPOSED WORK TRUE TO LINE AND LEVEL WITH ACCURATE ANGLES AND SURFACES AND STRAIGHT EDGES.
- WELD CORNERS AND SEAMS CONTINUOUSLY TO COMPLY WITH THE FOLLOWING:
 - USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS.
 - OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.
 - REMOVE WELDING FLUX IMMEDIATELY.
 - AT EXPOSED CONNECTIONS, FINISH EXPOSED WELDS AND SURFACES SMOOTH AND BLENDED SO NO ROUGHNESS SHOWS AFTER FINISHING AND CONTOUR OF WELDED SURFACE MATCHES THAT OF ADJACENT SURFACE.

FABRICATION (CONT):

- FORM EXPOSED CONNECTIONS WITH HAIRLINE JOINTS, FLUSH AND SMOOTH, USING CONCEALED FASTENERS WHERE POSSIBLE. WHERE EXPOSED FASTENERS ARE REQUIRED, USE PHILLIPS FLAT-HEAD (COUNTERSUNK) SCREWS OR BOLTS, UNLESS OTHERWISE INDICATED. LOCATE JOINTS WHERE LEAST CONSPICUOUS.
- FABRICATE SEAMS AND OTHER CONNECTIONS THAT WILL BE EXPOSED TO WEATHER IN A MANNER TO EXCLUDE WATER. PROVIDE WEEP HOLES WHERE WATER MAY ACCUMULATE.
- CUT, REINFORCE, DRILL, AND TAP METAL FABRICATIONS AS INDICATED TO RECEIVE FINISH HARDWARE, SCREWS, AND SIMILAR ITEMS.
- PROVIDE FOR ANCHORAGE OF TYPE INDICATED; COORDINATE WITH SUPPORTING STRUCTURE. SPACE ANCHORING DEVICES TO SECURE METAL FABRICATIONS RIGIDLY IN PLACE AND TO SUPPORT INDICATED LOADS.
- SHOP PRIMING: APPLY SHOP PRIMER TO UNCOATED SURFACES OF METAL FABRICATIONS, EXCEPT THOSE WITH GALVANIZED FINISHES AND THOSE TO BE EMBEDDED IN CONCRETE, SPRAYED-ON FIREPROOFING, OR MASONRY, UNLESS OTHERWISE INDICATED. COMPLY WITH SSPC-PA 1, "PAINT APPLICATION SPECIFICATION NO. 1: SHOP, FIELD, AND MAINTENANCE PAINTING OF STEEL," FOR SHOP PAINTING.
 - STRIPE PAINT CORNERS, CREVICES, BOLTS, WELDS, AND SHARP EDGES.

INSTALLATION:

- CUTTING, FITTING, AND PLACEMENT: PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLING METAL FABRICATIONS. SET METAL FABRICATIONS ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION; WITH EDGES AND SURFACES LEVEL, PLUMB, TRUE, AND FREE OF RACK; AND MEASURED FROM ESTABLISHED LINES AND LEVELS.
- FIT EXPOSED CONNECTIONS ACCURATELY TOGETHER TO FORM HAIRLINE JOINTS. WELD CONNECTIONS THAT ARE NOT TO BE LEFT AS EXPOSED JOINTS BUT CANNOT BE SHOP WELDED BECAUSE OF SHIPPING SIZE LIMITATIONS. DO NOT WELD, CUT, OR ABRASE SURFACES OF EXTERIOR UNITS THAT HAVE BEEN HOT-DIP GALVANIZED AFTER FABRICATION AND ARE FOR BOLTED OR SCREWED FIELD CONNECTIONS.
- FIELD WELDING: COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS.
 - OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.
 - REMOVE WELDING FLUX IMMEDIATELY.
 - AT EXPOSED CONNECTIONS, FINISH EXPOSED WELDS AND SURFACES SMOOTH AND BLENDED SO NO ROUGHNESS SHOWS AFTER FINISHING AND CONTOUR OF WELDED SURFACE MATCHES THAT OF ADJACENT SURFACE.
- FASTENING TO IN-PLACE CONSTRUCTION: PROVIDE ANCHORAGE DEVICES AND FASTENERS WHERE METAL FABRICATIONS ARE REQUIRED TO BE FASTENED TO IN-PLACE CONSTRUCTION. PROVIDE THREADED FASTENERS FOR USE WITH CONCRETE AND MASONRY INSERTS, TOGGLE BOLTS, THROUGH BOLTS, LAG BOLTS, WOOD SCREWS, AND OTHER CONNECTORS.

INSTALLATION (CONT):

- PROVIDE TEMPORARY BRACING OR ANCHORS IN FORMWORK FOR ITEMS THAT ARE TO BE BUILT INTO CONCRETE, MASONRY, OR SIMILAR CONSTRUCTION.
- CORROSION PROTECTION: COAT CONCEALED SURFACES OF ALUMINUM THAT WILL COME INTO CONTACT WITH GROUT, CONCRETE, MASONRY, WOOD, OR DISSIMILAR METALS WITH A HEAVY COAT OF BITUMINOUS PAINT.

COMPOSITE STAIR TREADS AND LANDINGS:

- COMPOSITE STAIR TREADS SHALL CONFIRM TO DIMENSIONS, MATERIAL PROPERTIES AND FABRICATION TECHNIQUES AS SAMPLES TESTED BY AEWV CENTER AT THE UNIVERSITY OF MAINE NOTED IN REPORT, DATED JANUARY 2008, EXCEPT AS NOTED.
- RESIN SHALL BE PHENOLIC AND COMPOSITE MATERIAL SHALL CONFORM TO ASTM E-136 NON-COMBUSTIBILITY TEST.
- PHENOLIC RESIN SHALL HAVE STRUCTURAL PROPERTIES THAT MEET OR EXCEED RESINS USED IN TEST REPORT.
- STAIR TREADS & LANDING UNITS SHALL BE LOAD TESTED IN THE SHOP PER IBC 2003 SECTION 1714.3.1.
- MATERIAL REQUIRED (APPROXIMATE DIMENSIONS):

TREADS: 134 UNITS (3'-6")
 LANDINGS: 18 UNITS (3'-9"x3'-11")
 SOFFITS: 8 UNITS (3'-6"x9'-0")
 9 UNITS (3'-6"x8'-4")

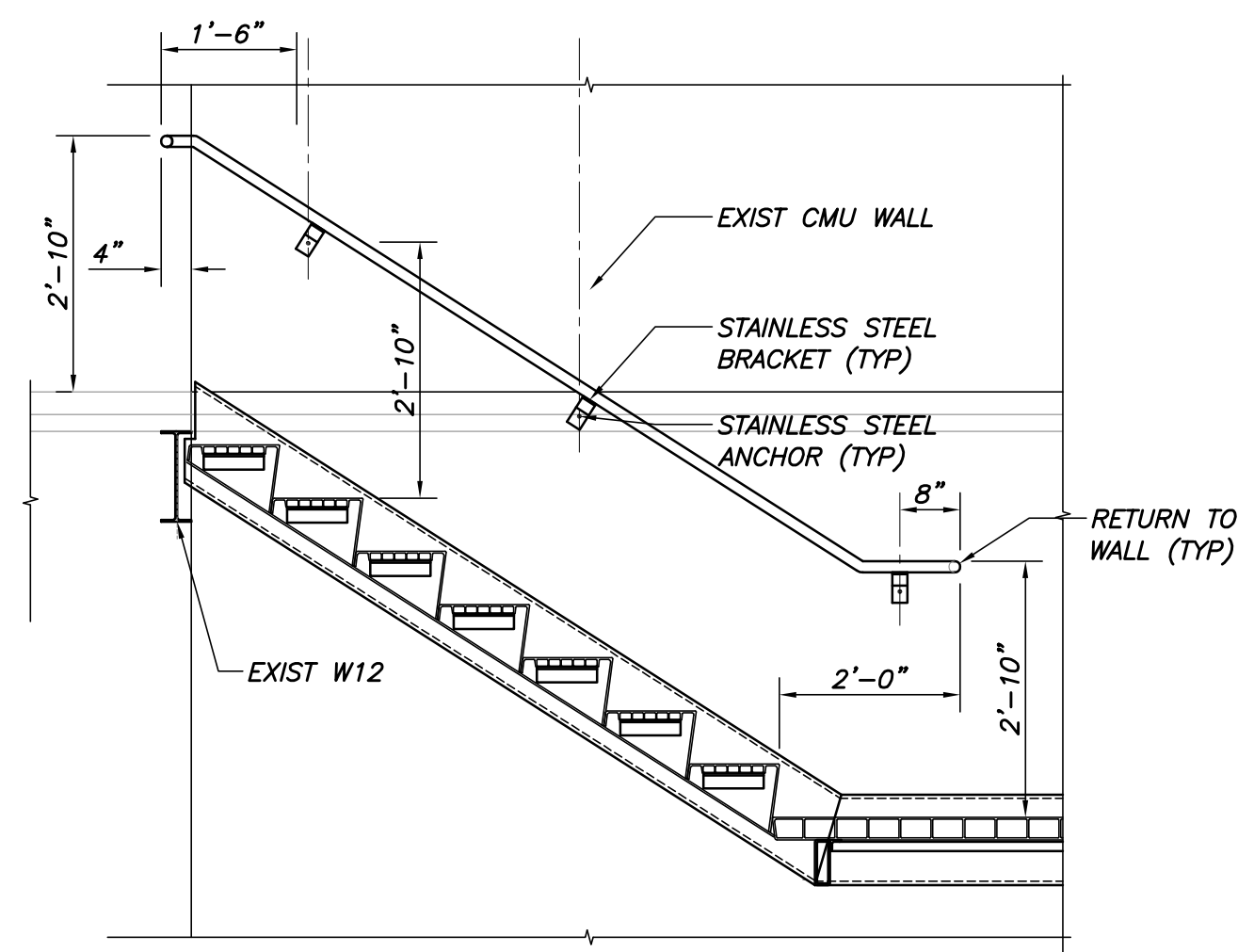
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APPROVED	DESCRIPTION	DATE	REV. NO.	DESIGNED BY	DRAWN BY	CHECKED BY	SCALE	NOTED	DATE
	PHASE 1 FACADE RESTORATION PERMIT SET	11/5/12	1	TJM	TJM	TJM			11/5/12

PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
STAIR PLANS

NOT FOR CONSTRUCTION



TYP HANDRAIL DETAIL
NTS

HANDRAIL NOTES

MATERIAL

1. ALL HANDRAILS SHALL BE 1 1/2" DIAMETER STAINLESS STEEL TUBING (ASTM A 554, GRADE MT 304).
2. ALL FASTENERS SHALL BE TYPE 304 STAINLESS STEEL.
3. WELDING RODS: SELECT ACCORDING TO AWS SPECIFICATIONS FOR METAL ALLOY WELDED.
4. PROVIDE STAINLESS STEEL WALL BRACKETS BY CARLSTADT OR APPROVED EQUAL.

FABRICATION

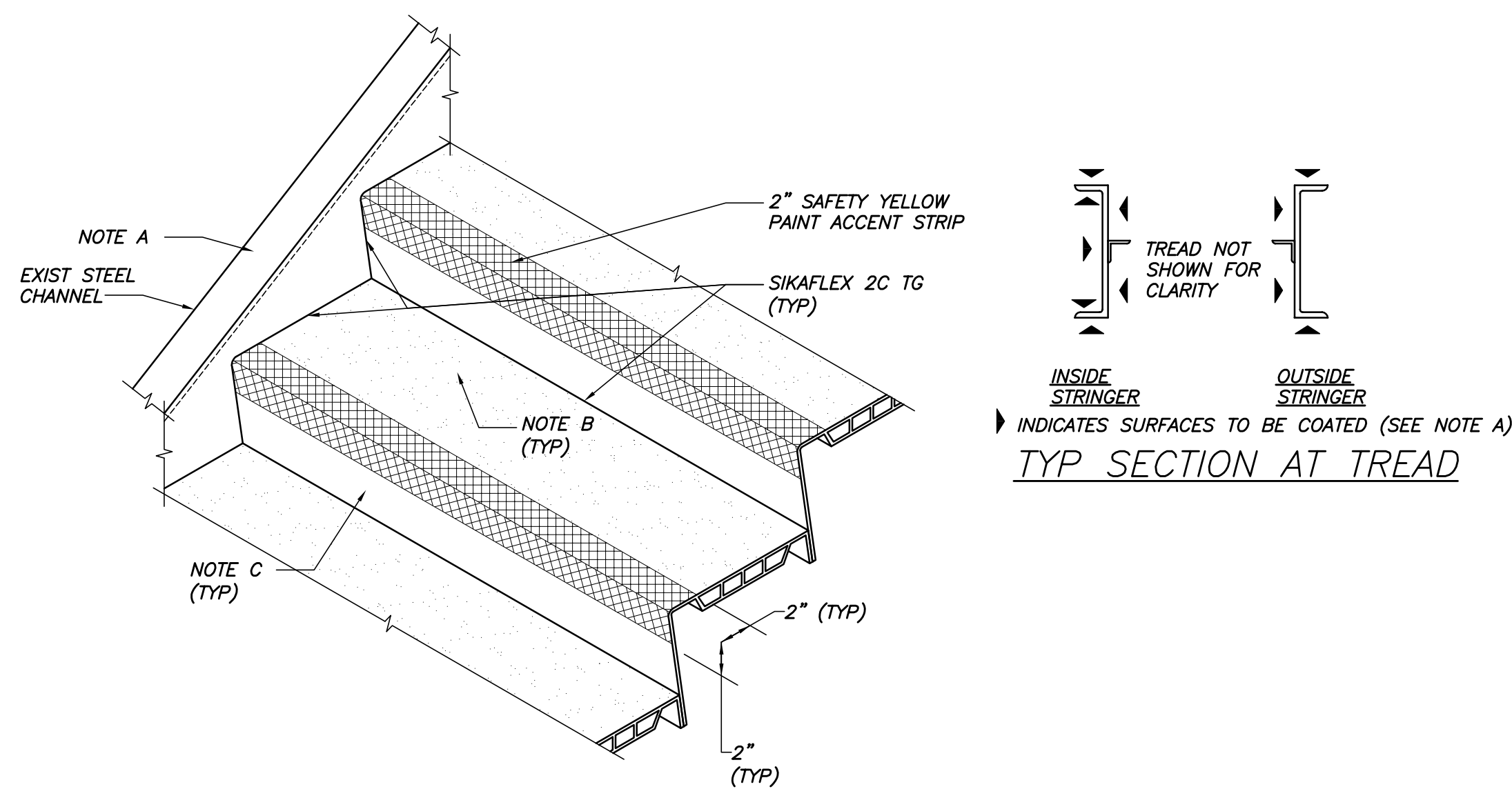
1. FABRICATE RAILINGS TO COMPLY WITH REQUIREMENTS INDICATED FOR DESIGN, DIMENSIONS, MEMBER SIZES AND SPACING, DETAILS, FINISH, AND ANCHORAGE.
2. ASSEMBLE RAILINGS IN THE SHOP TO GREATEST EXTENT POSSIBLE TO MINIMIZE FIELD SPLICING AND ASSEMBLY. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CLEARLY MARK UNITS FOR REASSEMBLY AND COORDINATED INSTALLATION. USE CONNECTIONS THAT MAINTAIN STRUCTURAL VALUE OF JOINED PIECES.
3. CUT, DRILL, AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS AND EASE EDGES TO A RADIUS OF APPROXIMATELY 1/32 INCH, UNLESS OTHERWISE INDICATED. REMOVE SHARP OR ROUGH AREAS ON EXPOSED SURFACES.
4. PROVIDE WEEP HOLES WHERE WATER MAY ACCUMULATE.
5. CONNECTIONS: FABRICATE RAILINGS WITH WELDED CONNECTIONS, UNLESS OTHERWISE INDICATED.
6. WELDED CONNECTIONS: COPE COMPONENTS AT CONNECTIONS TO PROVIDE CLOSE FIT, OR USE FITTINGS DESIGNED FOR THIS PURPOSE. WELD ALL AROUND AT CONNECTIONS, INCLUDING AT FITTINGS.
7. FORM SIMPLE AND COMPOUND CURVES BY BENDING MEMBERS IN JIGS TO PRODUCE UNIFORM CURVATURE FOR EACH REPETITIVE CONFIGURATION REQUIRED; MAINTAIN CROSS SECTION OF MEMBER THROUGHOUT ENTIRE BEND WITHOUT BUCKLING, TWISTING, CRACKING, OR OTHERWISE DEFORMING EXPOSED SURFACES OF COMPONENTS.
8. CLOSE EXPOSED ENDS OF RAILING MEMBERS WITH PREFABRICATED END FITTINGS.

INSTALLATION

1. FIT EXPOSED CONNECTIONS TOGETHER TO FORM TIGHT, HAIRLINE JOINTS.
2. PERFORM CUTTING, DRILLING, AND FITTING REQUIRED FOR INSTALLING RAILINGS. SET RAILINGS ACCURATELY IN LOCATION, ALIGNMENT, AND ELEVATION; MEASURED FROM ESTABLISHED LINES AND LEVELS AND FREE OF RACK.
3. ALIGN RAILS SO VARIATIONS FROM LEVEL FOR HORIZONTAL MEMBERS AND VARIATIONS FROM PARALLEL WITH RAKE OF STEPS AND RAMPS FOR SLOPING MEMBERS DO NOT EXCEED 1/4 INCH IN 12 FEET.
4. ADJUST RAILINGS BEFORE ANCHORING TO ENSURE MATCHING ALIGNMENT AT ABUTTING JOINTS.
5. WELDED CONNECTIONS: USE FULLY WELDED JOINTS FOR PERMANENTLY CONNECTING RAILING COMPONENTS. COMPLY WITH REQUIREMENTS FOR WELDED CONNECTIONS WHETHER WELDING IS PERFORMED IN THE SHOP OR IN THE FIELD.
6. EXPANSION JOINTS: INSTALL EXPANSION JOINTS AT LOCATIONS INDICATED BUT NOT FARTHER APART THAN REQUIRED TO ACCOMMODATE THERMAL MOVEMENT. PROVIDE SLIP-JOINT INTERNAL SLEEVE EXTENDING 2 INCHES BEYOND JOINT ON EITHER SIDE. FASTEN INTERNAL SLEEVE SECURELY TO 1 SIDE, AND LOCATE JOINT WITHIN 6 INCHES OF POST.

FINISH

1. REMOVE ALL TOOL AND DIE MARKS AND STRECH LINES OR BLEND INTO FINISH.
2. PROVIDE A BRUSHED NO. 4 FINISH TO ALL STAINLESS STEEL HANDRAILS.
3. WHEN FINISHING IS COMPLETED, PASSIVATE AND RINSE SURFACES. REMOVE EMBEDDED FOREIGN MATTER AND LEAVE SURFACES CHEMICALLY CLEAN.



TYPICAL STAIR COATING DETAIL

N.T.S.

COATING NOTES:

A. STEEL COATING

1. PRIOR TO INSTALLING TREADS, TOUCH ALL SHOP PRIMED STEEL SURFACES WITH EPOXY PRIMER.
2. AFTER INSTALLING TREADS, COAT ALL PRIMED SURFACES WITH SIKAFLOOR 90P PER MANUFACTURER'S RECOMMENDATIONS.

B. TREAD/LANDING COATING

PRIMER: SIKAFLEX PRIMER 449

1. ALL SURFACES MUST BE DRY AND FREE OF ALL DIRT, GREASE, RELEASE AGENTS, LAITANCE, AND ANY FOREIGN MATTER.
2. APPLY PRIMER AT SUBSTRATE TEMPERATURES OF 40 F AND RISING.
3. APPLY PRIMER WITH A BRUSH.
4. ALLOW PRIMER TO CURE A MINIMUM OF 30 MINUTES BUT NOT MORE THAN 8 HOURS. IF COATING CAN NOT BE INSTALLED WITHIN 8 HOURS OF PRIMING, RE-PRIME.

COATING: SIKAFLOOR 90P

1. ALL SURFACES MUST BE DRY AND FREE OF ALL DIRT, GREASE, RELEASE AGENTS, LAITANCE, AND ANY FOREIGN MATTER.
2. ALL PROJECTIONS, ROUGH SPOTS, ETC. SHOULD BE DRESSED OFF TO ACHIEVE A LEVEL SURFACE PRIOR TO APPLICATION.
3. MINIMUM APPLICATION TEMPERATURE, AMBIENT AND SUBSTRATE, MUST BE BETWEEN 50 AND 85 F.
4. APPLY PRODUCT WITH HIGH QUALITY ROLLER (1/8" TO 1/4" NAP). USE SLOW EVEN MOTION TO REDUCE BUBBLING AND AIR ENTRAINMENT.
5. APPLY SIKAFLOOR 90P AT APPROXIMATELY 60-80 SF/GAL.
6. BROADCAST OVEN DRIED SILICA SAND (20-40 MESH) TO REJECTION. SWEEP OFF EXCESS.
7. BACK ROLL OVER AGGREGATE TO LOCK IN.
8. CONFORM TO ALL MANUFACTURER'S RECOMMENDATIONS.

C. RISER COATING

COATING: SIKAFLOOR 90P

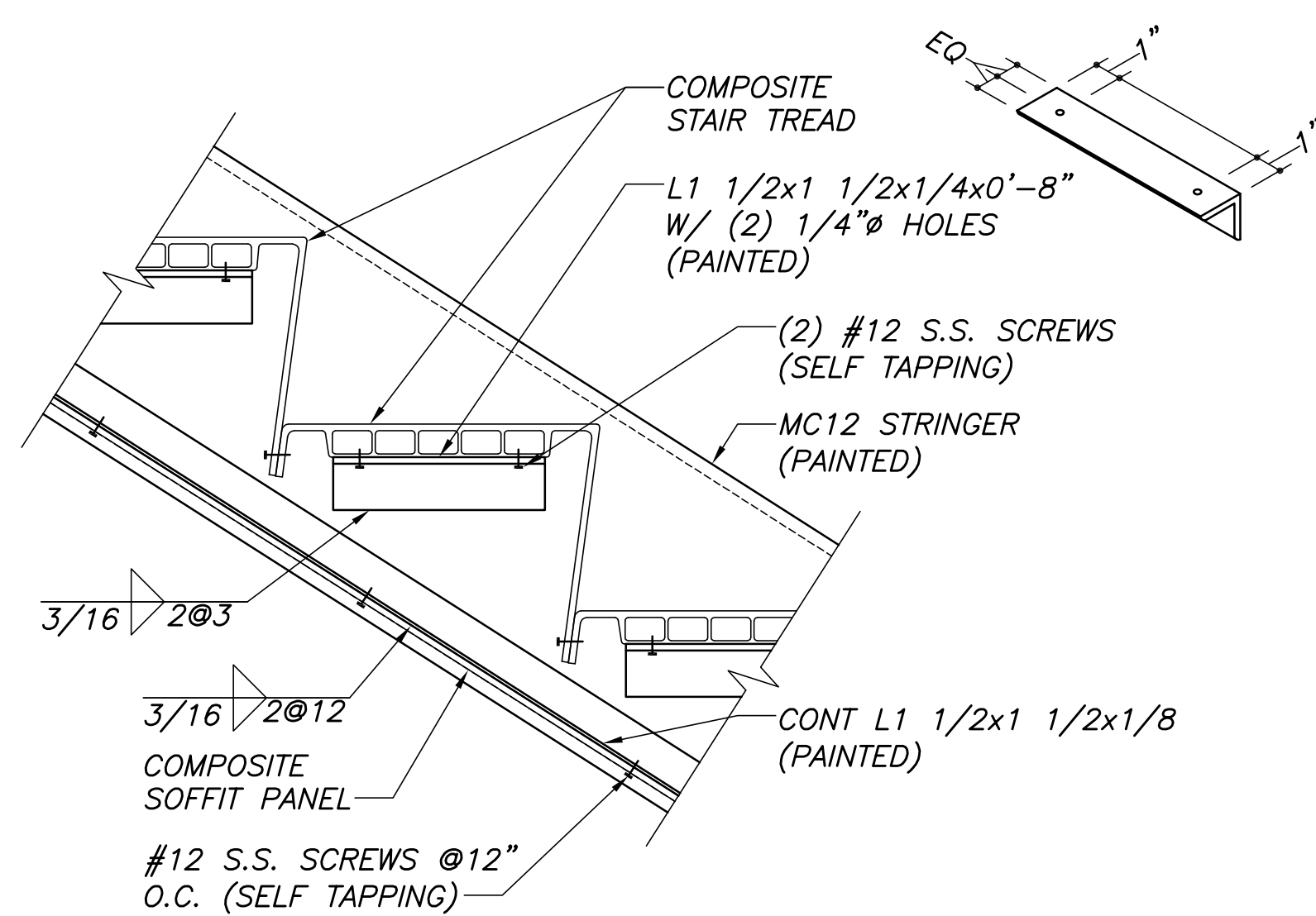
1. ALL SURFACES MUST BE DRY AND FREE OF ALL DIRT, GREASE, RELEASE AGENTS, LAITANCE, AND ANY FOREIGN MATTER.
2. ALL PROJECTIONS, ROUGH SPOTS, ETC. SHOULD BE DRESSED OFF TO ACHIEVE A LEVEL SURFACE PRIOR TO APPLICATION.
3. NO PRIMER REQUIRED ON RISERS.
4. MINIMUM APPLICATION TEMPERATURE, AMBIENT AND SUBSTRATE, MUST BE BETWEEN 50 AND 85 F.
5. APPLY PRODUCT WITH HIGH QUALITY ROLLER (3/16" TO 1/2" NAP). USE SLOW EVEN MOTION TO REDUCE BUBBLING AND AIR ENTRAINMENT.
6. APPLY SIKAFLOOR 90P AT APPROXIMATELY 100-125 SF/GAL.
7. CONFORM TO ALL MANUFACTURER'S RECOMMENDATIONS.

D. MOCK-UP

1. INSTALL ALL COATINGS ON FIRST TWO STAIR TREAD UNITS AT GRADE LEVEL.
2. MOCK-UP TO BE REVIEWED AND APPROVED BY OWNER (OR REPRESENTATIVE), ENGINEER AND COATING MANUFACTURER PRIOR TO CONTINUING WITH COATING WORK.
3. IF APPROVED, MOCK-UP CAN REMAIN AS PART OF WORK.

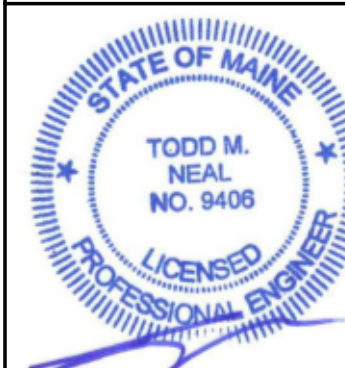
E. GENERAL REQUIREMENTS

1. ALL COATINGS SHALL HAVE A 5 YEAR MATERIAL WARRANTY.
2. ALL MATERIALS SHALL BE COMPATIBLE.



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

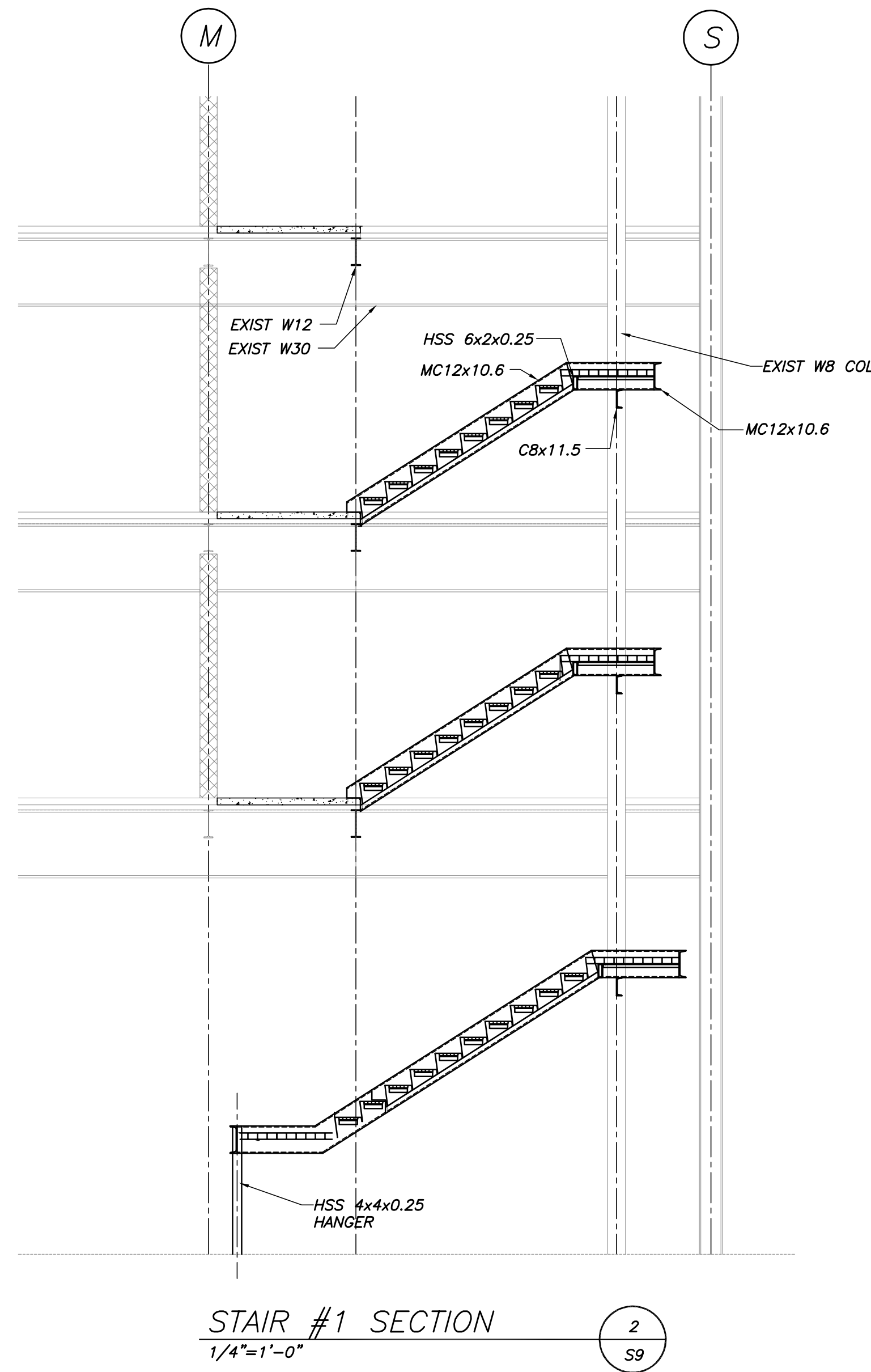
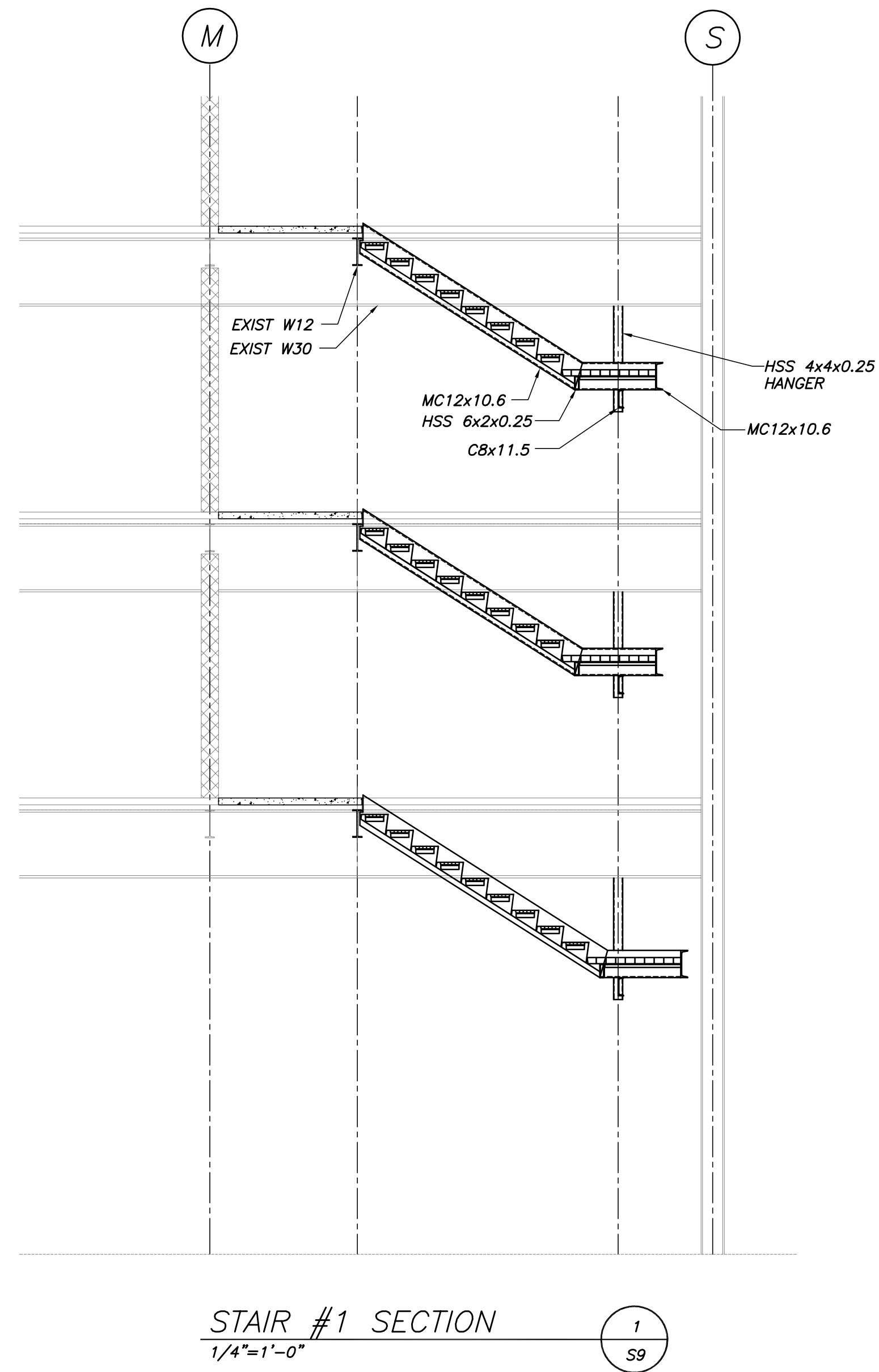
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PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
STAIR DETAILS

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APPROD	
DESCRIPTION	PHASE 1 FACADE RESTORATION PERMIT SET
DATE	11/5/12
REV. NO.	-
DESIGNED BY: TMW	
DRAWN BY: TMW	
CHECKED BY: TMW	
SCALE: NOTED	
DATE: 11/5/12	

PROJECT: FORE STREET PARKING FACILITY
PORTLAND, MAINE
FACADE REPAIRS PHASE 1
STAIR SECTIONS