

STAIR CLOSING:

- 1. COORDINATE CONSTRUCTION SCHEDULE TO MINIMIZE CLOSURE TIME.
 2. PROVIDE ALL SIGNAGE NECESSARY TO DIRECT PATRONS TO
- OTHER STAIR AND NOTE RAMP IS SECONDARY MEANS OF EGRESS. 3. PROVIDE ALL SIGNAGE PER LETTER DATED JANUARY 8th, 2013.

<u>DEMOLITION NOTES:</u>

PROTECTION.

- 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
- 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 ARES 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.







DESCRIPTION	PERMIT/PRICING SET FOR CONSTRUCTION
АТЕ	30/13

	DRAWN BY:	СНЕСКЕД ВУ:	SCALE:	DATE: 11/
VTI II ON VIOLO TITO	1661 FASS/186 FASIS/1	JULICATOR, INTERIOR	ET STAIR REPLACEMENT	

DRAWING NO.

WO 2961

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

1. PREPARE & PAINT ALL EXIST STEEL IN STAIR TOWER.

PRECAST CONCRETE TREADS

1. CONCRETE:

1.1. f'c = 5,000 PSI MIN.1.2. AIR CONTENT = 6% + 1/-1%

- 1.3. PROVIDE A MINIMUM OF ONE TEST RESULT FOR STRENGTH AND AIR. 2. REINFORCEMENT: GALVANIZED BARS CONFORMING WITH ASTM A 615,
- GRADE 60. PROVIDE MINIMUM TOP COVER OF 1 1/2" 3. CONNECTIONS: HOT DIPPED GALVANIZED PER ASTM A 123 OR ASTM A
- 4. EMBEDMENTS: ALL EMBEDMENTS SHALL BE HOT DIPPED GALVANIZED OR NON-CORROSIVE MATERIAL.

- . PRECAST UNITS SHALL BE FABRICATED BY A CURRENT APA CERTIFIED
- 2. EACH TREAD SHALL BE CAST WITH WOOSTER PRODUCTS TYPE 231BF NOSING WITH ABRASIVE FILLER. HOLD BACK 2" FROM EACH SIDE.
- 3. FINISH: 3.1. TOP, BACK AND FRONT SURFACES TO RECIEVE FORM FINISH WITH MEDIUM EXPOSURE SAND BLAST.

3.2. BOTTOM TO RECIEVE TROWEL FINISH WITH MEDIUM EXPOSURE SAND

NEW CONCRETE LANDING (EL +2'-3 11/16"±) COAT LANDING WITH ELASTOMERIC MEMBRANE \ **S2** / **EXIST** CONDUIT RUN CONDUIT RUN -REPLACE CIP TOPPING FIRST LEVEL LANDING WALL OPNG — (EL +16'-9 1/8"±) EX W30x99 EX;W12x16 W8x24 NEW CONCRETE LANDING MC12x10.6 $(EL + 13' - 3 1/2" \pm)$ COAT LANDING WITH ELASTOMERIC MEMBRANE-S2 / NEW CONCRETE LANDING (EL +8'-8"±) COAT LANDING WITH ELASTOMERIC MEMBRANE EX W10x26 7 TREADS @ 11 1ST LEVEL PLAN

GRADE LEVEL PLAN 1/4"=1'-0" NOTES: 1. PREPARE & PAINT ALL EXIST STEEL

IN STAIR TOWER.

REMOVE, SALVAGE &

RE-INSTALL BRICK PAVERS

INFILL BRICK PAVERS TO MATCH EXISTING

. THE NOTES ON THESE DRAWINGS ARE INTENDED TO BE USED AS OUTLINE SPECIFICATIONS FOR THIS PROJECT. THE REFERENCED STANDARDS ARE CONSIDERED TO BE PART OF

CURB —

- 2. 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
- 3. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE ENGINEER.
- 4. ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONS SAFETY AND HEALTH ACT.

BUILDING CODE:

2. DESIGN LOADS: 100 PSF OR 300LB

CONCENTRATED LOAD. 3. DEFLECTION LIMIT: MAXIMUM L/360 OR 1/4"

PAINTING EXISTING STEEL:

1. MAINTAIN ENVIRONMENTAL CONDITIONS (TEMP, HUMIDITY, AND VENTILATION) WITHIN THE LIMITS RECOMMENDED BY THE MANUFACTURER FOR OPTIMUM RESULTS. DO NOT APPLY COATINGS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S ABSOLUTE LIMITS.

2. MANUFACTURER: ICI-DULUX/DEVOE COATINGS, STRONGVILLE, OH, 800-654-2616, WWW.ICIDULUXPAINTS.COM OR WWW.DEVOECOATINGS.COM.

3. EXISTING STEEL BEAMS, COLUMNS, AND MISC ITEMS.

A. 1ST COAT: DEVOE PRE-PRIME 167, RUST PENETRATING

MANUFACTURERS RECOMMENDATIONS FOR SURFACE PREPARATION.

B. 2ND COAT: DEVOE BAR-RUST 235, EPOXY COATING C. 3RD COAT: DEVOE DEVETHANE 379, POLYURETHANE FINISH

D. COLD WEATHER NOTES: i. PRE-PRIME 167 WILL NOT CURE AT TEMPS BELOW 50 DEGREES. ii. FOR TEMPS BELOW 50 AND HIGHER THAN 10

DEGREES SUBSITUTE PRE-PRIME WITH BAR-RUST 235, TWO TOTAL COATS OF BAR-RUST 235. iii. PROVIDE COLD WEATHER ADDITIVE 070 TO DEVETHANE 379 FOR TEMPS DOWN TO 25 DEGREES F. 4. PREPARATION: ALL SURFACES SHALL CONFORM TO

STAIR FRAMING NOTES:

'<u>ATERIAL</u> STRUCTURAL STEEL PLATES, SHAPES AND BARS SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

2. PIPE: ASTM A53 TYPE F OR TYPE S, GRADE A, STANDARD WEIGHT (SCHEDULE 40), UNLESS NOTED OTHERWISE.

3. STRUCTURAL TUBING: CONFORM TO ASTM A500, GRADE B46. 4. 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.

5. FASTENERS: ALL FASTENERS SHALL BE HOT DIP GALVANIZED OR APPROVED EQUAL.

6. ANCHOR BOLTS: PROVIDE HOT-DIP GALVANIZED. 7. ALL STEEL FOR THE STAIR STRUCTURE SHALL BE HOT DIPPED GALAVANIZED AND COMPLY WITH ASTM A 123.

9. ALL MATERIAL SHALL BE HOT-DIP GALVANIZED.

7.1. WARRANTY: PROVIDE GALVANIZER'S STANDARD WARRANTY THAT MATERIALS WILL BE FREE FROM 10% OR MORE VISIBLE RUST FOR 20 YEARS.

8. 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

1. 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.

2. 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.

3. FORM BENT-METAL CORNERS TO SMALLEST RADIUS POSSIBLE WITHOUT CAUSING GRAIN SEPARATION OR OTHERWISE IMPAIRING WORK.

4. FORM EXPOSED WORK TRUE TO LINE AND LEVEL WITH ACCURATE ANGLES AND SURFACES AND STRAIGHT EDGES. 5. WELD CORNERS AND SEAMS CONTINUOUSLY TO COMPLY WITH THE FOLLOWING:

A. USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE

B. OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.

C. REMOVE WELDING FLUX IMMEDIATELY.

D. 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):

- 6. 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.
- 7. FABRICATE SEAMS AND OTHER CONNECTIONS THAT WILL BE EXPOSED TO WEATHER IN A MANNER TO EXCLUDE WATER. PROVIDE WEEP HOLES
- WHERE WATER MAY ACCUMULATE. 8. CUT. REINFORCE. DRILL. AND TAP METAL FABRICATIONS AS INDICATED TO

1/4"=1'-0"

IN STAIR TOWER.

NOTES:
1. PREPARE & PAINT ALL EXIST STEEL

RECEIVE FINISH HARDWARE, SCREWS, AND SIMILAR ITEMS. 9. 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.

INSTALLATION: 1. 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.

2. 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 ABRADE SURFACES OF EXTERIOR UNITS THAT HAVE BEEN HOT-DIP GALVANIZED AFTER FABRICATION AND ARE FOR BOLTED OR SCREWED FIELD CONNECTIONS.

3. FIELD WELDING: COMPLY WITH THE FOLLOWING REQUIREMENTS: A. USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE

B. OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.

C. REMOVE WELDING FLUX IMMEDIATELY.

D. 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.

4. 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

5. PROVIDE TEMPORARY BRACING OR ANCHORS IN FORMWORK FOR ITEMS THAT ARE TO BE BUILT INTO CONCRETE, MASONRY, OR SIMILAR

CONSTRUCTION. 6. CORROSION PROTECTION: PROVIDE HARD PLASTIC OR REINFORCE RUBBER GASKET BETWEEN ALL STAINLESS STEEL AND GALVANIZE STEEL ELEMENTS.

1. ALL HANDRAILS SHALL BE 1 1/4" DIAMETER STAINLESS STEEL TUBING (ASTM A 554, GRADE MT 304).

2. ALL FASTENERS SHALL BE TÝPE 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

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

BEND WITHOUT BUCKLING, TWISTING, CRACKING, OR OTHERWISE

DEFORMING EXPOSED SURFACES OF COMPONENTS. 8. CLOSE EXPOSED ENDS OF RAILING MEMBERS WITH PREFABRICATED END FITTINGS.

REQUIRED; MAINTAIN CROSS SECTION OF MEMBER THROUGHOUT ENTIRE

INSTALLATION:

HANDRAIL NOTES

EQUAL.

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.

1. REMOVE ALL TOOL AND DIE MARKS AND STRECH LINES OR BLEND INTO

2. PROVIDE A BRUSHED NO. 4 FINISH TO ALL STAINLESS STEEL HANDRAILS. REMOVE EMBEDDED FOREIGN MATTER AND LEAVE SURFACES CHEMICALLY

3. WHEN FINISHING IS COMPLETED, PASSIVATE AND RINSE SURFACES. CLEAN.

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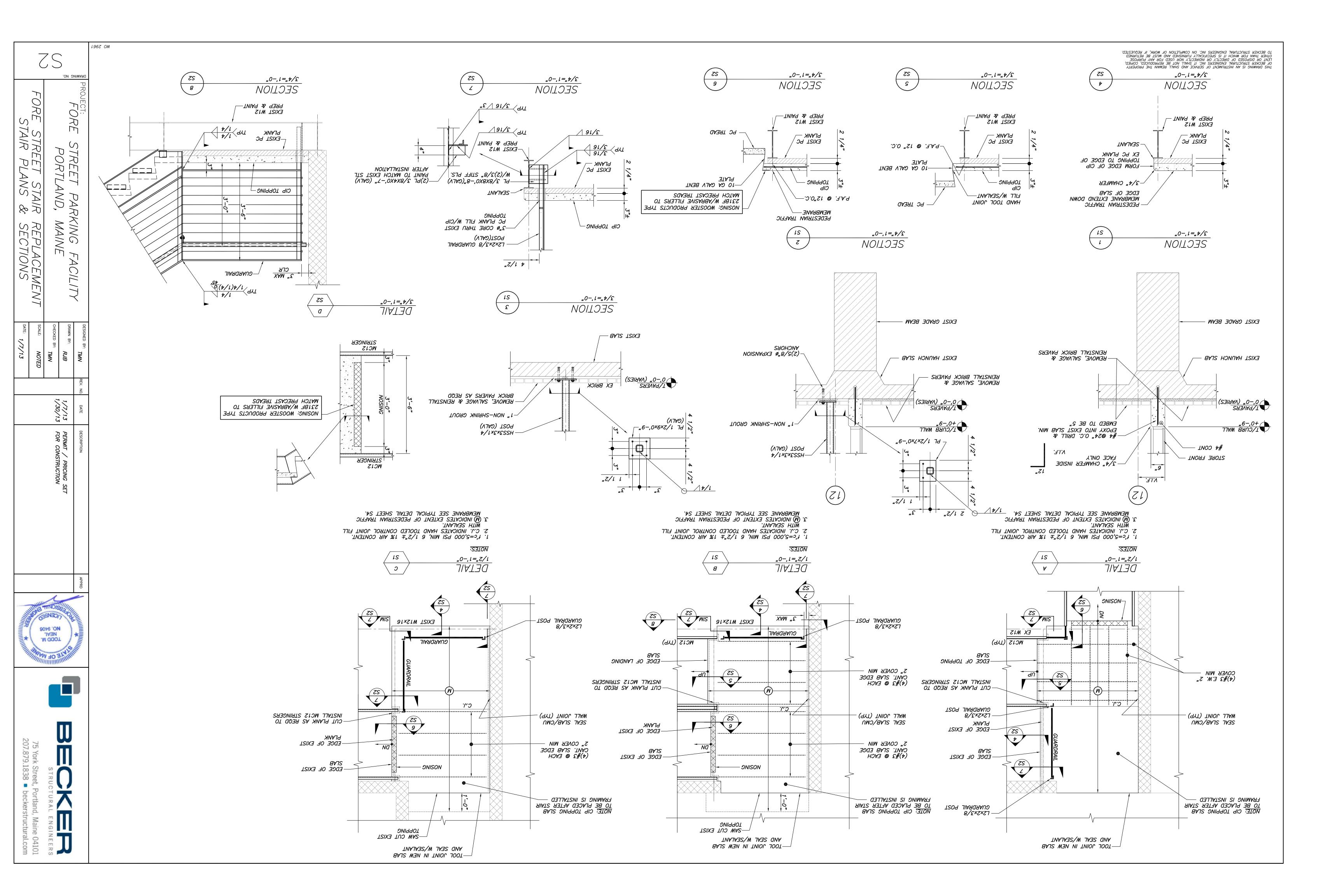
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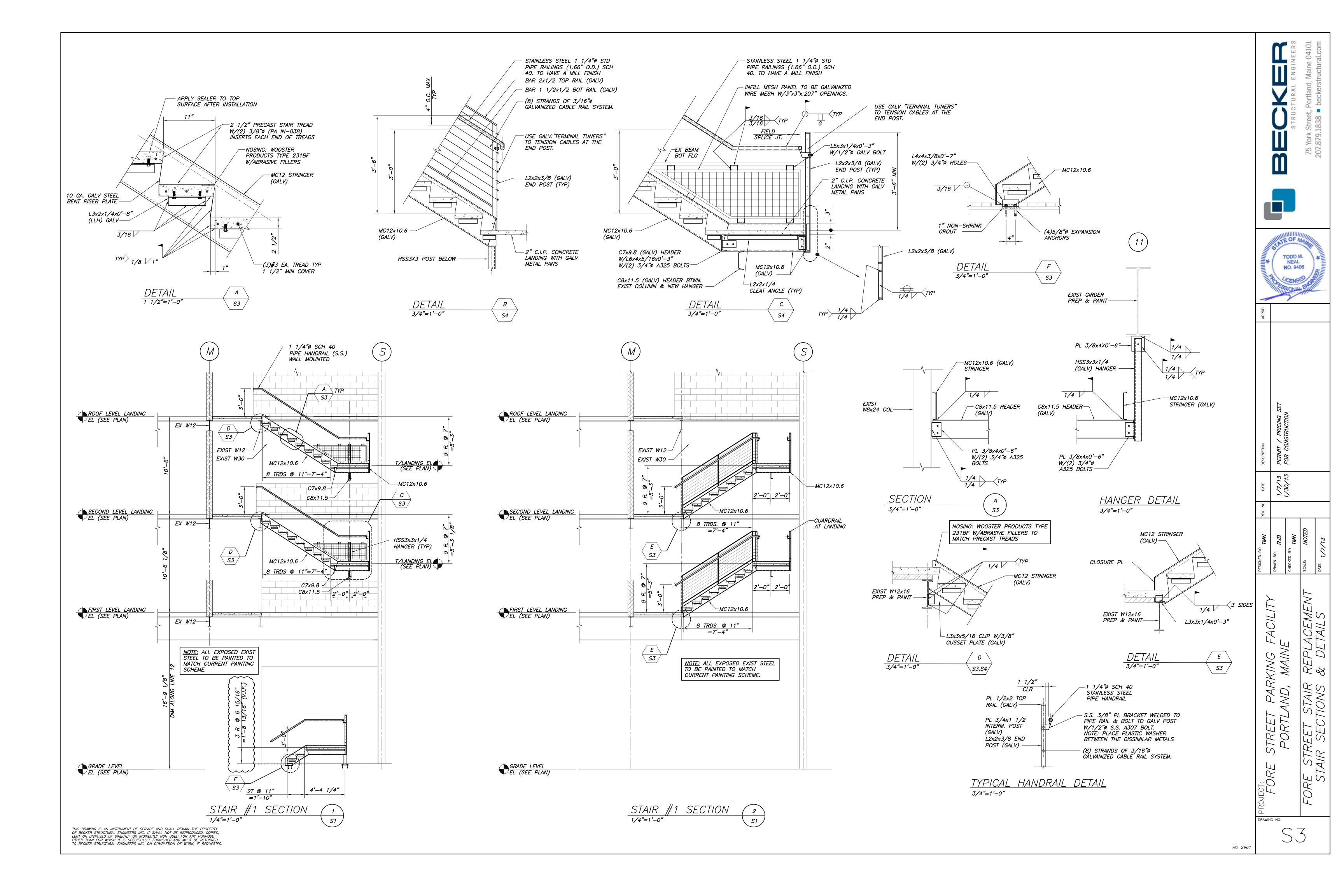
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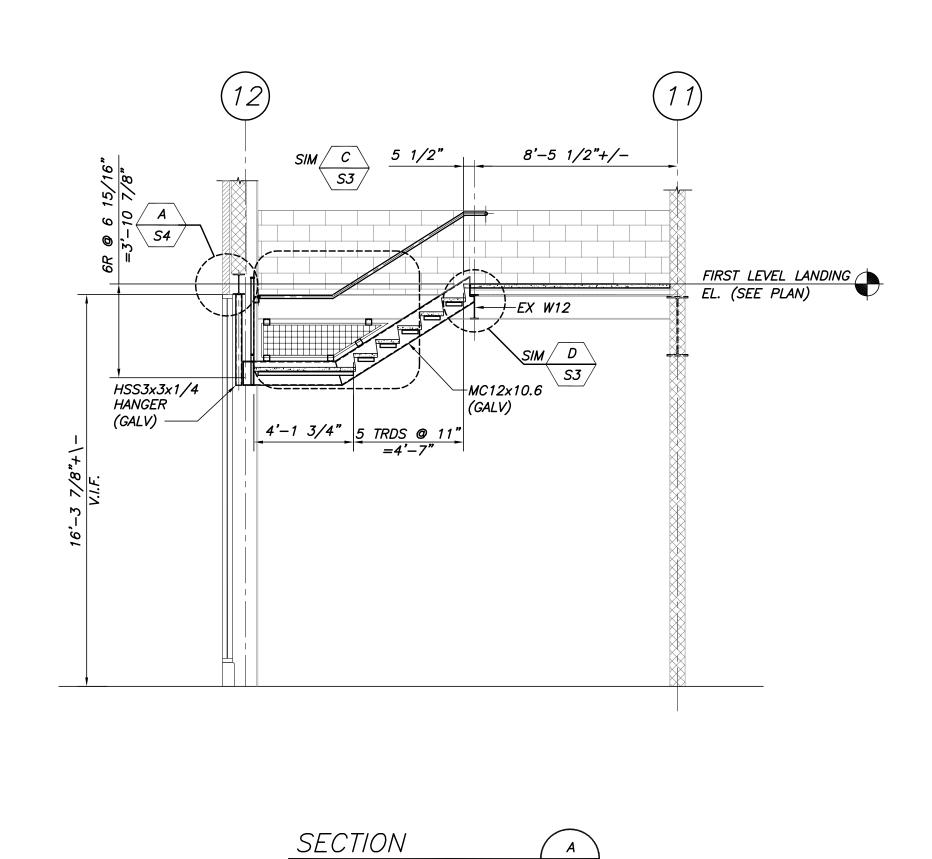
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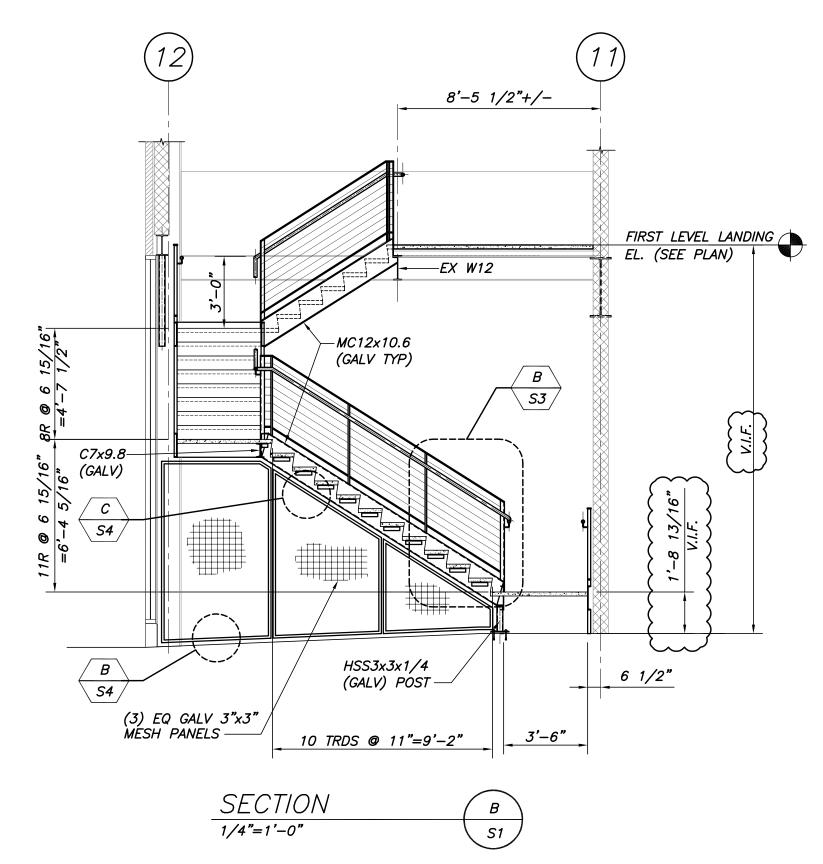


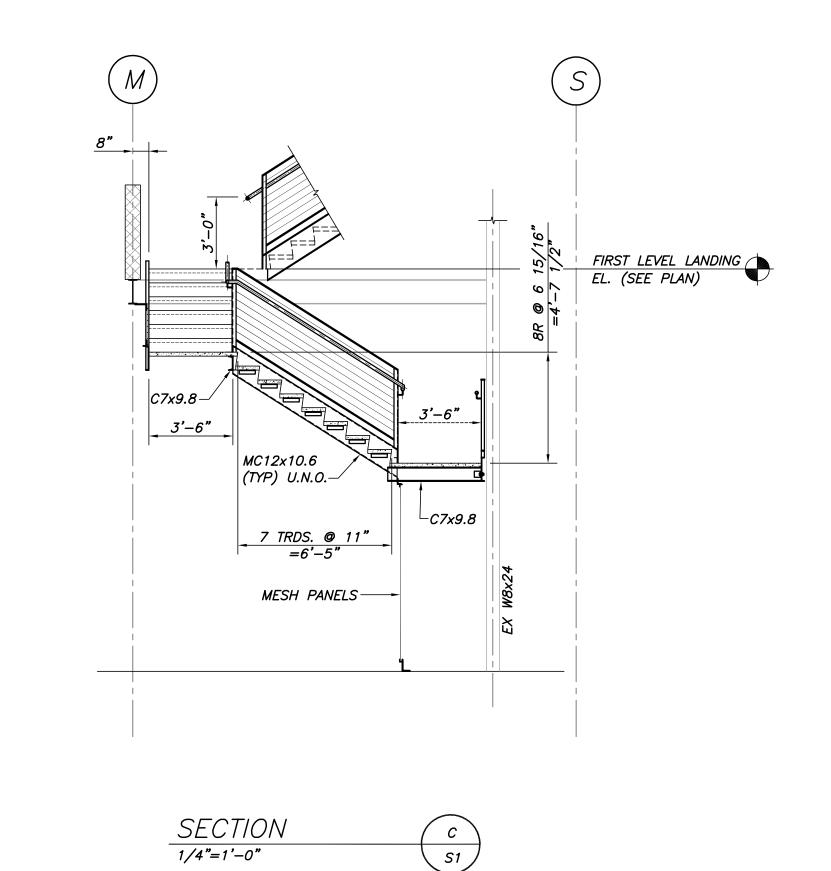


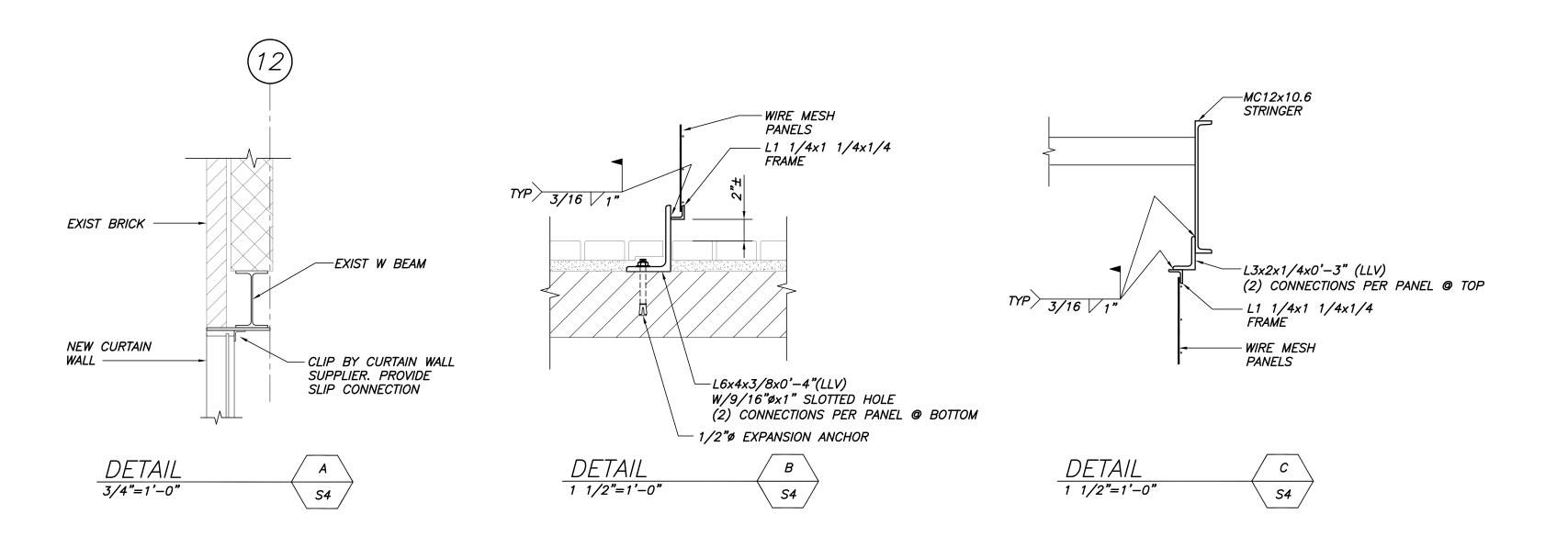


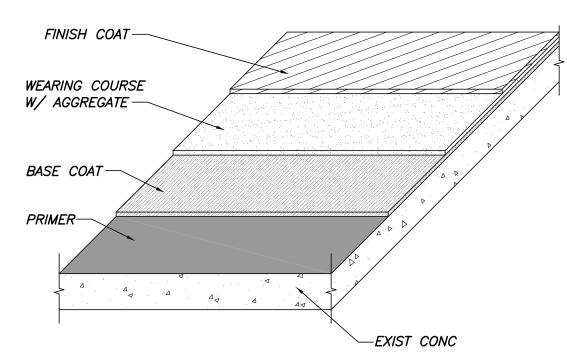
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1/4"=1'-0"









TYPICAL PEDESTRIAN TRAFFIC MEMBRANE DETAIL @ EXPOSED **CONCRETE**

- 1. PRODUCT: NEOGARD PEDA—GARD FC
- 2. PRIMER: THOROUGHLY MIX AND APPLY PRIMER AT RATE OF 300 SF/GAL.
- 3. BASE COAT: THOROUGHLY MIX FC7500/FC7960 BASE COAT
- MATERIAL AND APPLY AT RATE OF 88 SF/GAL. 4. WEAR COAT: THOROUGHLY MIX FC7510/FC7961 WEAR COAT AND APPLY AT RATE OF 200 SF/GAL AND IMMEDIATELY BRODCAST

AGGREGATE EVENLY INTO WET COATING AT A RATE OF

- 10LBS/100SF. WHEN CURED REMOVE EXCESS. 5. TOPCOAT: TOROUGHLY MIX FC7540/FC7964 TOPCOAT AND APPLY AT A RATE OF 160 SF/GAL.
- 6. PROVIDE MINIMUM OF 24 HOUR CURE BEFORE ALLOWING TRAFFIC ON MEMBRANE.

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