

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CONNECTICUT STATE BUILDING CODE AND ITS APPLICABLE REFERENCED STANDARDS.
2. THE CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER ON RECORD.
3. THE CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF ALL SLEEVES, OPENINGS AND ANCHORAGES (INCLUDING ANCHOR BOLTS) AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
4. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT METHOD OF SHORING AND ANCHOR BRACING THE STRUCTURE DURING CONSTRUCTION.
5. THE PROJECT SHALL BE CONTINUOUSLY MONITORED AND INSPECTED BY AN INDEPENDENT TESTING AGENCY REFER TO SPECIAL INSPECTION NOTES ON THIS SHEET. SUBMIT ALL TEST AND INSPECTION REPORTS TO A/E FOR REVIEW.
6. STRUCTURAL MEMBERS SHALL NOT BE MODIFIED IN THE FIELD WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. IN THE EVENT OF A CONSTRUCTION OR FABRICATION ERROR, THE CONTRACTOR SHALL REPAIR, REPLACE OR REWORK THE DEFECTIVE MEMBER AND SUBMIT TO THE ARCHITECT AND ENGINEER OF RECORD, FOR APPROVAL PRIOR TO PERFORMING ANY CORRECTIVE WORK.
7. SUBMIT SHOP DRAWINGS FOR APPROVAL (FOR ALL TRADES INDICATED HEREIN) PRIOR TO PROCEEDING WITH FABRICATION AND/OR CONSTRUCTION. CONTRACTOR SHALL ALLOW FOR A 2 WEEK REVIEW PERIOD BY THE DESIGN TEAM.
8. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL MAKE NO DEVIATION FROM CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
9. JOB SAFETY AND CONSTRUCTION PROCEDURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

<b>1. LIVE LOADS:</b>	
a. LADDERS.....	CONCENTRATED LOAD OF 300LBS VERTICALLY DOWNWARD; CONCENTRATED LOAD OF 100LBS ON RAIL IN ANY LATERAL DIRECTION LOADS ARE NOT CONCURRENT)
b. GUY WIRE POSTS.....	CONCENTRATED LOAD OF 5,400LBS IN ANY LATERAL DIRECTION (PER OSHA REQUIREMENT)
<b>2. ROOF LIVE LOAD:</b>	
a. GROUND SNOW LOAD, Pg.....	30 PSF
b. FLAT ROOF SNOW LOAD, Pf.....	30 PSF
c. RAIN-ON-SNOW SURCHARGE LOAD.....	5 PSF
d. SNOW EXPOSURE FACTOR, Ce.....	1.0
e. SNOW LOAD IMPORTANCE FACTOR, Is.....	1.0
f. THERMAL FACTOR, Ct.....	1.0
<b>3. WIND LOAD:</b>	
IMPACT LOAD GOVERNS FOR ANALYSIS	
<b>4. EARTHQUAKE LOAD:</b>	
IMPACT LOAD GOVERNS FOR ANALYSIS	

1. ALL WORK SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATIONS AND ITS CODE OF STANDARD PRACTICE.

2. MATERIAL SPECIFICATIONS:  
    SQUARE & RECTANGULAR HSS \_\_\_\_\_ ASTM A500, GRADE B (50 KSI)  
    SHAPES, MISC. PLATES & BARS \_\_\_\_\_ ASTM A36  
    BOLTS \_\_\_\_\_ ASTM A325

3. ALL BOLTED CONNECTIONS SHALL USE 3/4" DIA., ASTM A325 BOLTS OR 4-450 BOLTS, UNLESS NOTED OTHERWISE. BOLTED CONNECTIONS SHALL BE DESIGNED PER THE AISC MANUAL OF STEEL CONSTRUCTION, (LATEST EDITION) AND AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS (ASD). CONNECTIONS SHALL BE FULLY TIGHTENED UNDER TENSION.

4. OVERSIZED OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.

5. ALL BUTT AND FULL PENETRATION WELDS SHALL BE MADE USING RUN OFF TABS WHICH SHALL BE REMOVED AND GROUDED SMOOTH AFTER WELDING.

6. ALL WELD BACK UP BARS SHALL BE REMOVED AND GROUDED SMOOTH AFTER WELD IS COMPLETED, UNLESS NOTED OTHERWISE.

7. ALL WELDS INDICATED SHALL MEET THE MINIMUM WELD SIZE SPECIFIED BY THE AISC MANUAL OF STEEL DESIGN (ANGLE PLATE CONNECTIONS).

8. ALL WELD SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITIONS. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70. BARE ELECTRODES AND GRANULAR FLUX SHALL CONFORM TO A.W.S. A5.1 F70 A.W.S. FLUX CLASSIFICATION.

9. ALTERNATE CONNECTIONS WILL BE ACCEPTED ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER. HOWEVER, THE FIELD CONTRACTOR SHALL HAVE COMPLETE ACCEPTABILITY AND THE CONTRACTOR MUST SHIP ANTICIPATE THE USE OF THOSE SPECIFIC DETAILS SHOWN ON THE DRAWINGS. IN ANY EVENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH ALTERNATE DETAILS WHICH THEY PROPOSE.

10. BOLTED AND FIELD CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE BOLTED OR WELDED.

11. ALL NEW STRUCTURAL STEEL SHALL BE GIVEN ONE COAT OF AN APPROVED SHOP PRIMER APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS NOTED OTHERWISE. SURFACE PREPARATION OF STEEL PRIOR TO SHOP PAINTING SHALL CONFORM TO SSPC SP6.

12. ALL EXPOSED STRUCTURAL STEEL, TOUCH-UP ALL SHOP PRIMED COATS DAMAGED DURING TRANSPORTATION AND ERECTION, AND PRIME ALL FIELD WELDS USING THE SAME PAINT USED FOR SHOP PRIMING.

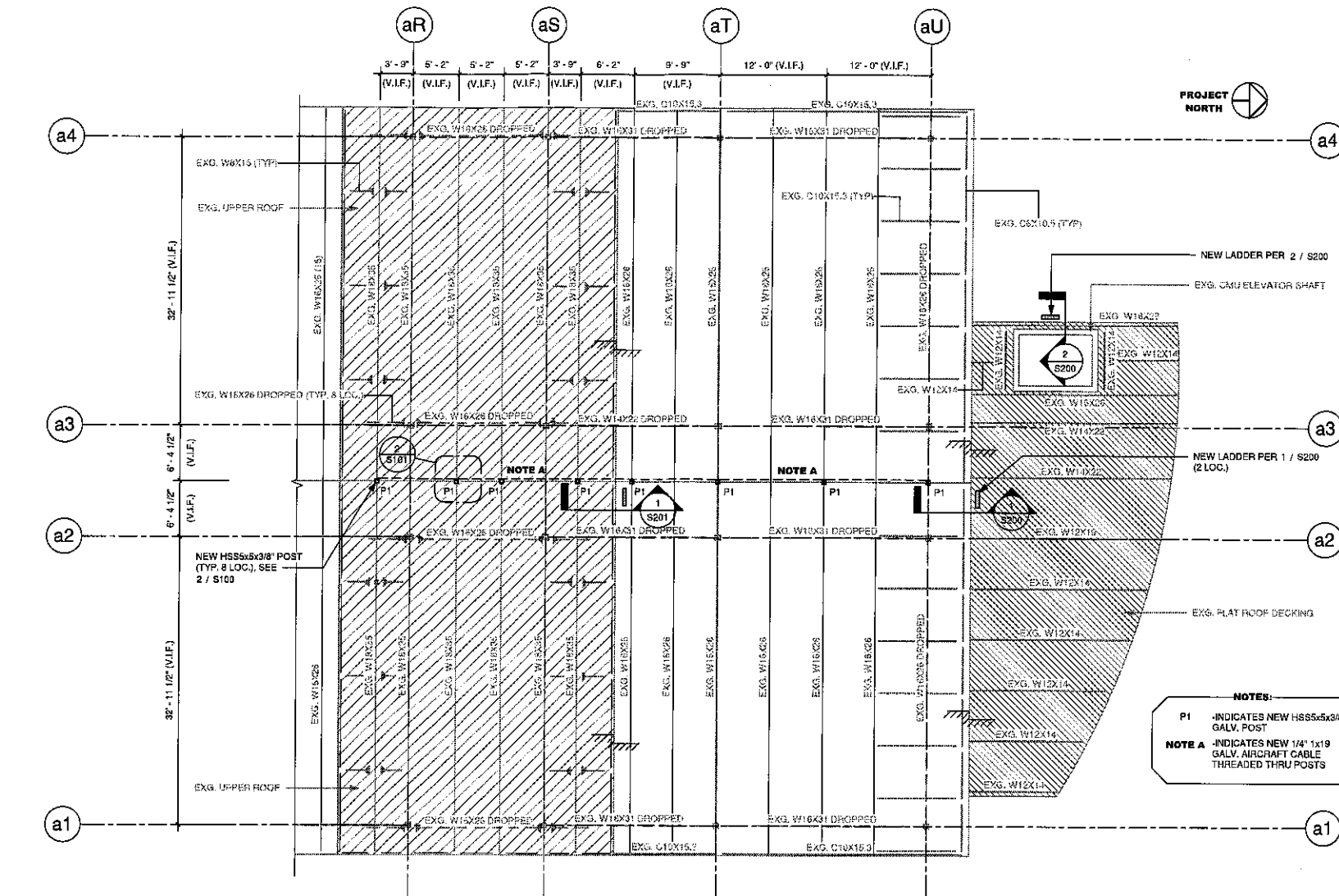
13. ALL EXPOSED STRUCTURAL STEEL AND CONNECTIONS SHALL BE HOT-DIP GALVANIZED, OR MAY BE PRIMED AND PAINTED WITH AN APPROVED EPOXY PAINT SYSTEM. TOUCH UP ALL CONNECTIONS AND DAMAGED AREAS WITH THE SAME PAINT.

14. STRUCTURAL STEEL FRAME SHALL BE LEVEL AND PLUMB PRIOR TO COMPLETING CONNECTIONS. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

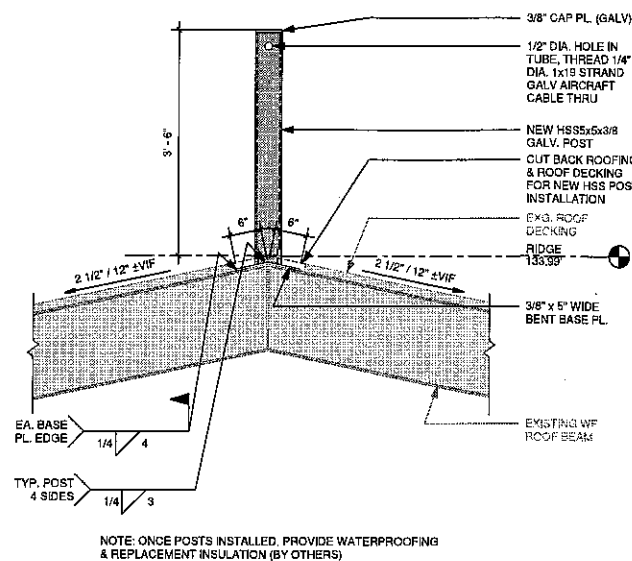
1. THE LISTED BELOW PROJECT ITEMS ASSOCIATED WITH FABRICATION, ERECTION AND CONTRACTORS MEANS AND METHODS AND REQUIRING STRUCTURAL DESIGN ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL RETAIN THE SERVICES OF STRUCTURAL PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT TO PERFORM THE DESIGN OF THE ITEMS, MARKED AS (\*)
3. CALCULATIONS FOR ITEMS MARKED AS (\*) SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE ENGINEER OF RECORD, OTHERWISE THE ITEMS SHALL BE SUBMITTED FOR THE OWNERS RECORD:

A: STRUCTURAL STEEL SHOP DRAWINGS

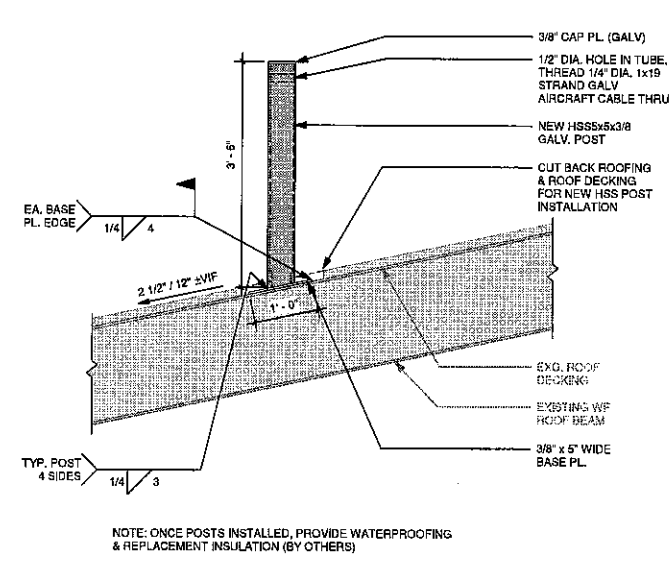
**A: STRUCTURAL STEEL SHOP DRAWINGS**



**1 PARTIAL ROOF FRAMING MODIFICATION PLAN - NORTH**  
S100 1/8" = 1'-0"



**2 TYPICAL HSS POST DETAIL @ RIDGE**  
5100  $3/4" = 1'-0"$

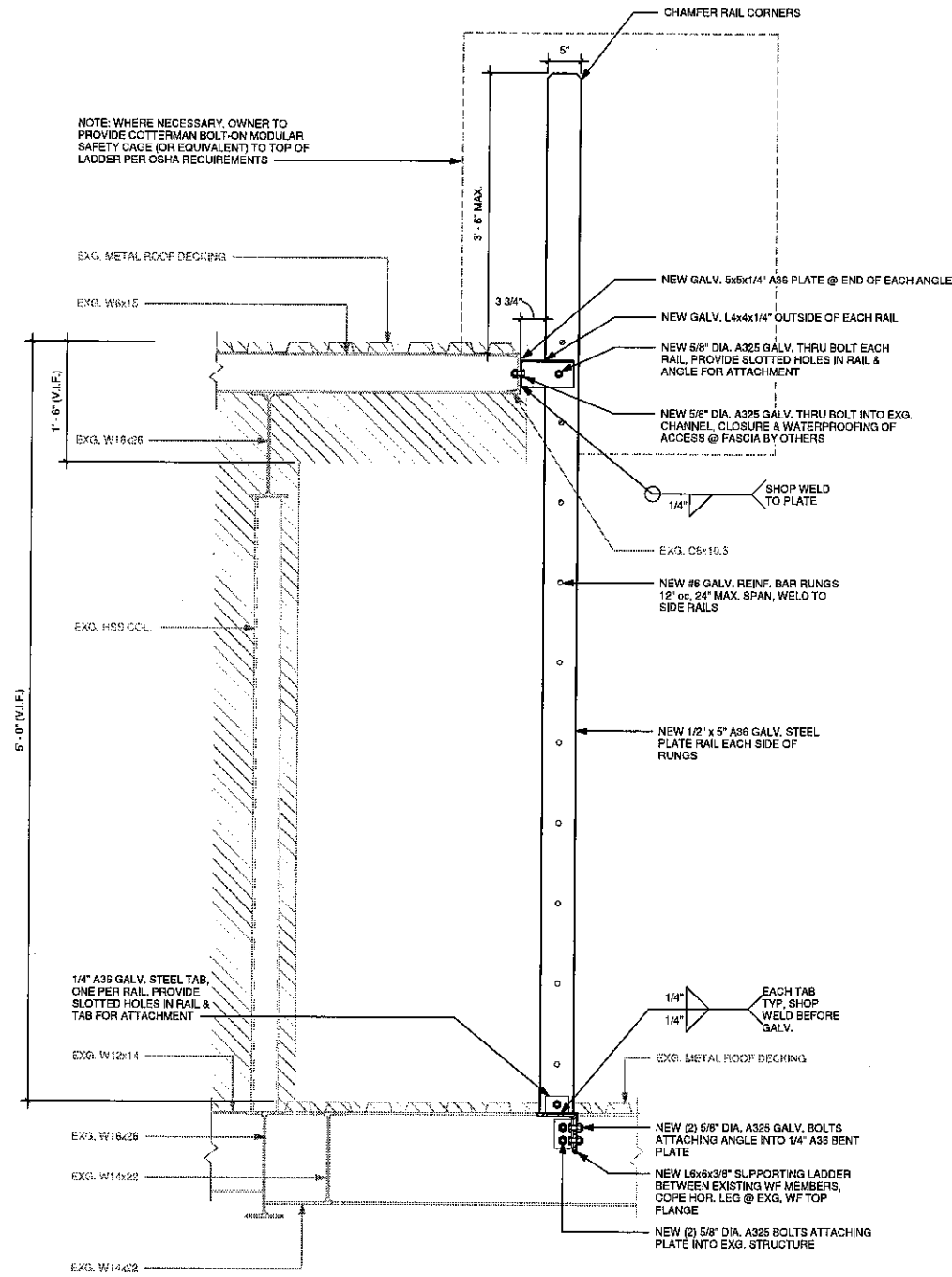


**3 TYPICAL HSS POST DETAIL ON ROOF SLOPE**  
S100 3/4" = 1'-0"

**S100**

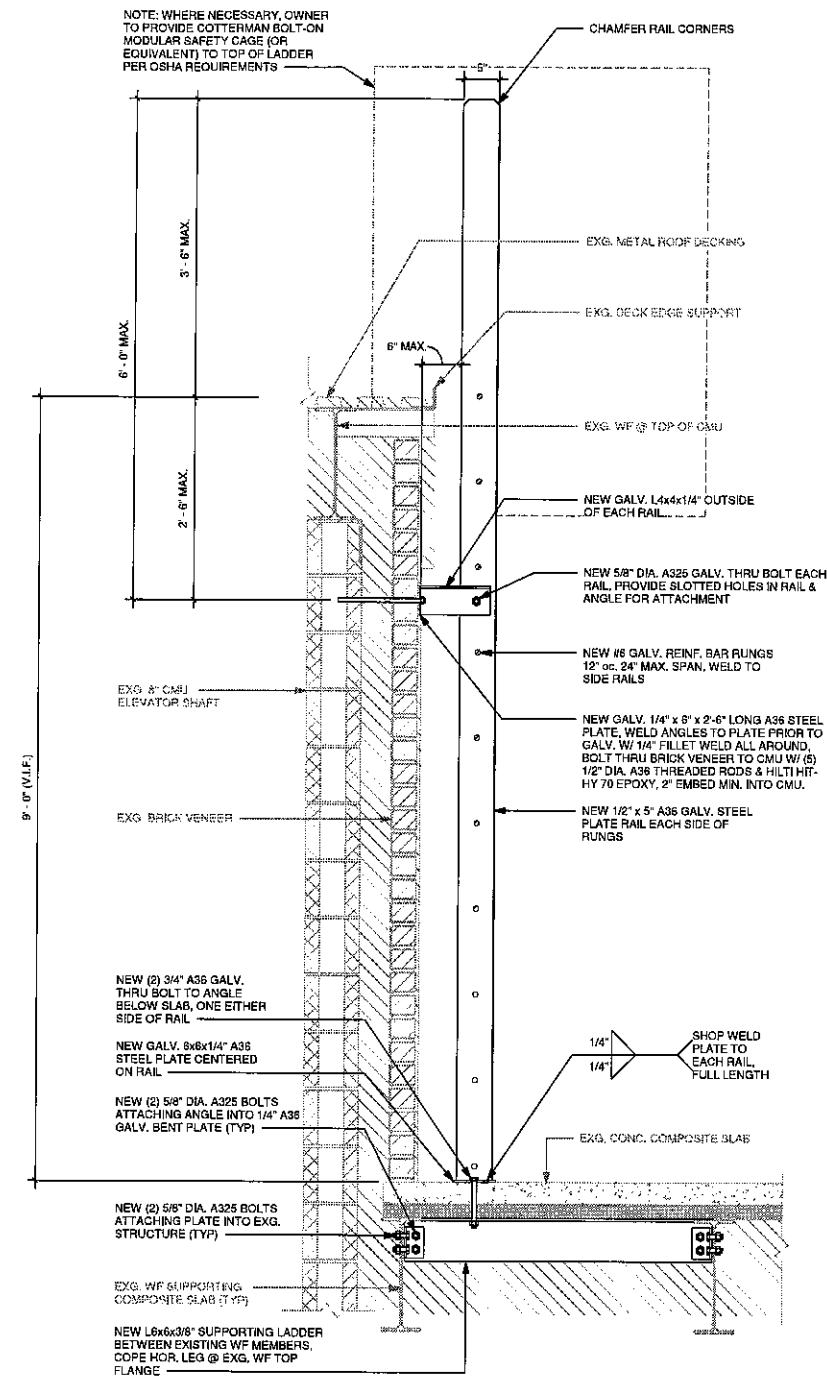


**S101**



**1 TYP. LADDER DETAIL 1**  
S200 1" = 1'-0"

GC NOTE: REPLACEMENT OF ROOFING & NEW FLASHING AROUND NEW LADDER STRUCTURE BY OTHERS.



**2 TYP. LADDER DETAIL 2**  
S200 1" = 1'-0"

GC NOTE: REPLACEMENT OF ROOFING & NEW FLASHING AROUND NEW LADDER STRUCTURE BY OTHERS.

**STONINGTON HIGH SCHOOL - ROOF LADDERS & GUY WIRES**

**176 S. BROAD ST. PAWCATUCK, CT**

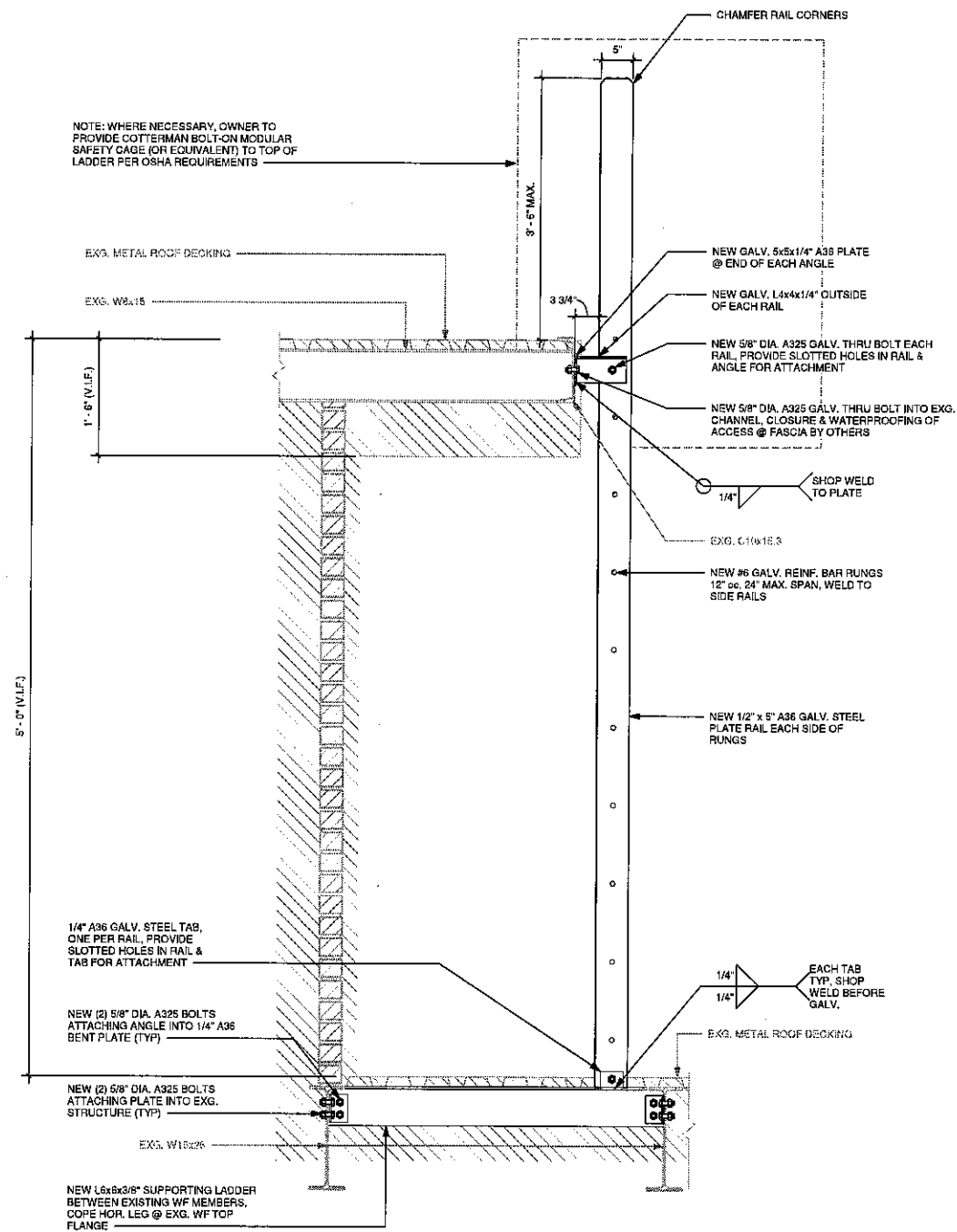
**LADDER DETAILS**

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No.	Revision/Issue	Date

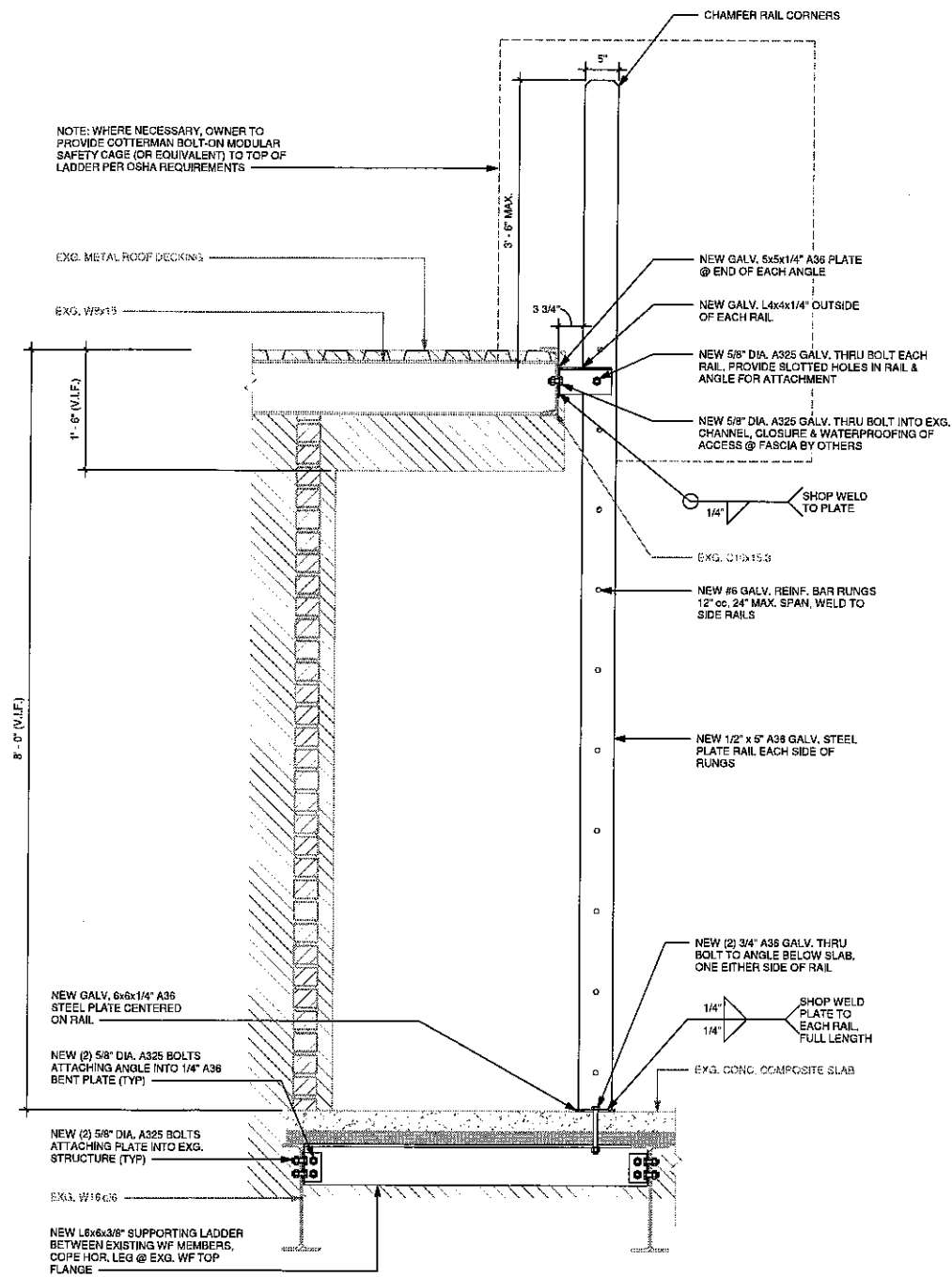
PROJECT NO: 18132  
DATE: 10/10/18  
DWG BY: TJM  
PLG: RSE

**S200**



1  
S201  
**TYP. LADDER DETAIL 3**  
1" = 1'-0"

GC NOTE: REPLACEMENT OF ROOFING & NEW FLASHING AROUND NEW LADDER STRUCTURE BY OTHERS.



2  
S201  
**TYP. LADDER DETAIL 4**  
1" = 1'-0"

GC NOTE: REPLACEMENT OF ROOFING & NEW FLASHING AROUND NEW LADDER STRUCTURE BY OTHERS.

**STONINGTON HIGH SCHOOL - ROOF LADDERS & GUY WIRES**

176 S. BROAD ST.  
PAWCATUCK, CT

**LADDER DETAILS**

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No.	Revision/Issue	Date

PROJECT NO: S201  
DATE: 10/19/18  
DWG BY: TJM  
PAC: RSE

**S201**