

**GENERAL NOTES:**

1. 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.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE PLATFORM IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. 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.
4. THE CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS.

**STRUCTURAL STEEL NOTES:**

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "STEEL CONSTRUCTION MANUAL" - THIRTEENTH EDITION.
2. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50 OR ASTM STEEL FOR PLATES, ANGLES, AND CHANNELS SHALL CONFORM TO ASTM A36. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.
3. FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" DIAMETER A325N HIGH STRENGTH BOLTS EXCEPT WHERE FIELD WELDING IS INDICATED ON THE DRAWINGS OR WHERE OTHERWISE REQUIRED TO SUPPORT DESIGN LOADS.
4. ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. ELECTRODES SHALL BE E70XX.
5. SHOP DRAWINGS DETAILING FABRICATION AND ERECTION OF EACH METAL FABRICATION INDICATED SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO FABRICATION AND CONSTRUCTION.
6. STRUCTURAL STEEL CONNECTIONS FOR BEAM-TO-BEAM AND BEAM-TO-COLUMN CONNECTIONS SHALL BE CONSIDERED AS "SIMPLE SHEAR" CONNECTIONS IN ACCORDANCE WITH THE THIRTEENTH EDITION OF AISC'S SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
7. WHERE REACTIONS OR DETAILS ARE NOT PROVIDED, DESIGN CONNECTIONS TO RESIST 1/2 THE MAXIMUM UNIFORM LOAD TAKEN FROM TABLES 3-6 IN THE THIRTEENTH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL.
8. WHERE BEAMS FRAME TO TUBULAR STEEL COLUMNS, SINGLE PLATE CONNECTIONS ARE ACCEPTABLE PROVIDED THAT THE THICKNESS OF THE PLATE IS LESS THAN 2 X THE THICKNESS OF THE WALL OF THE TUBULAR STEEL COLUMN.
9. WHERE BEAMS FRAME TO BOTH SIDES OF A GIRDER OR COLUMN WEB, PROVIDE SINGLE ANGLE CONNECTIONS OR OTHER TYPE OF CONNECTIONS ARRANGED SO THAT BEAMS ON OPPOSITE SIDES DO NOT SHARE ALL COMMON BOLTS.

**DESIGN NOTES**

1. THIS PLATFORM ADDITION IS DESIGNED TO COMPLY WITH THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE AND ASCE 7-05. FLOOR LIVE LOADS ARE AS FOLLOWS:
  - A. CATWALK MECH. ACCESS - 40 PSF
  - B. MECH. EQUIPMENT AS NOTED ON SCHEDULE

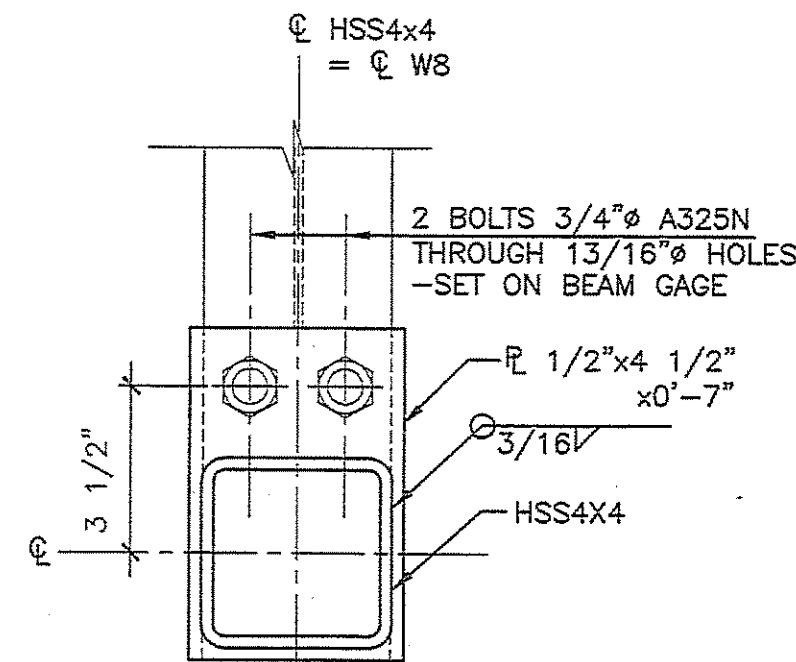
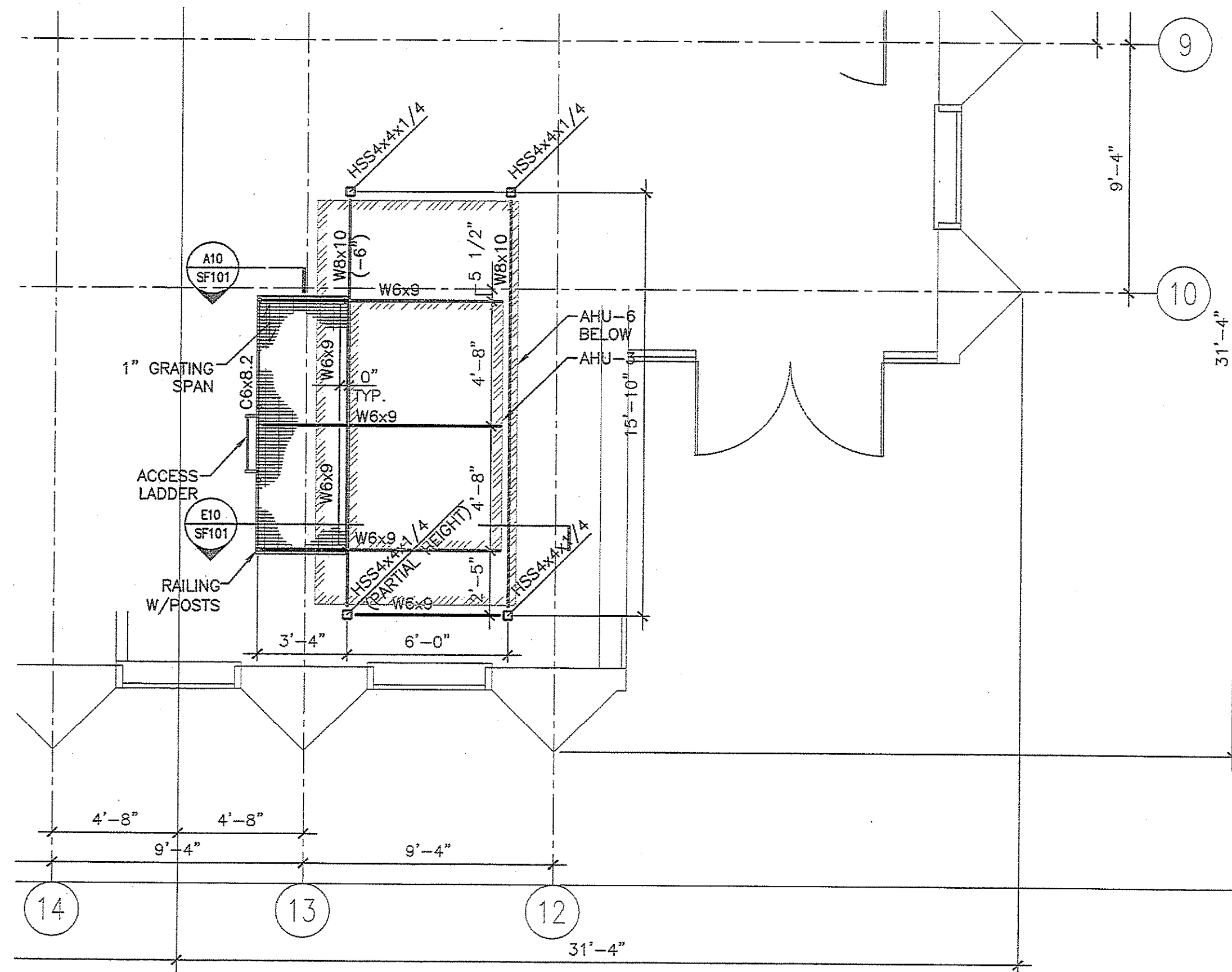
T.O. STEEL EL. 8'-6" U.N.O. (±X")

**METAL LADDER NOTES:**

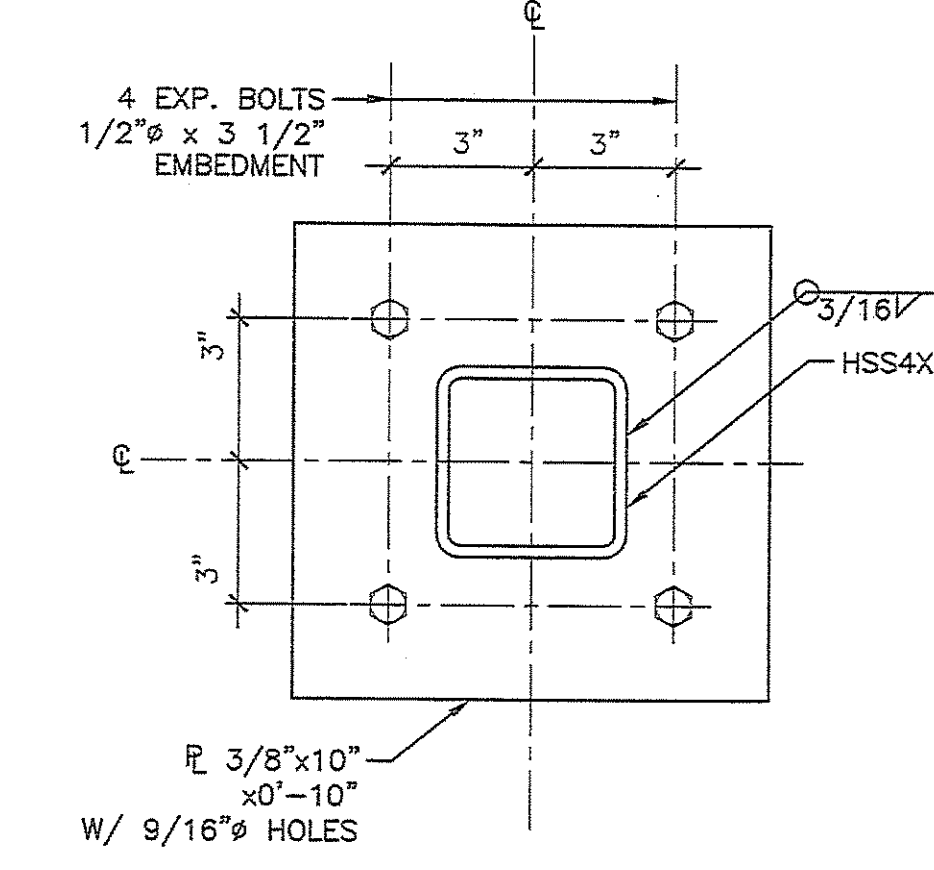
1. COMPLY WITH ANSI A14.3 UNLESS OTHERWISE INDICATED.
2. STEEL LADDERS:
  - DELETE FIRST SUBPARAGRAPH BELOW IF SPACING IS SHOWN ON DRAWINGS OR IF MINIMUM SPACING IN REFERENCED STANDARDS IS ACCEPTABLE. ANSI A14.3 MINIMUM SPACING IS 16 INCHES (406 MM); ASME A17.1 MINIMUM SPACING IS 12 INCHES (300 MM).
  - 1. SPACE SIDERAILS 18 INCHES APART UNLESS OTHERWISE INDICATED.
  - 2. SIDERAILS: CONTINUOUS, 1/2"-BY-2-1/2"- STEEL FLAT BARS, WITH EASED EDGES.
  - 3. RUNGS 1-INCH DIAMETER [1-INCH- (25-MM-) SQUARE] STEEL BARS.
  - 4. FIT RUNGS IN CENTERLINE OF SIDERAILS; PLUG-WELD AND GRIND SMOOTH ON OUTER RAIL FACES.
  - 5. PROVIDE NONSLIP SURFACES ON TOP OF EACH RUNG BY COATING WITH ABRASIVE MATERIAL METALLICALLY BONDED TO RUNG.
  - 6. SUPPORT EACH LADDER AT TOP AND BOTTOM WITH WELDED OR BOLTED STEEL BRACKETS.
  - 7. PRIME LADDERS, INCLUDING BRACKETS WITH MANUFACTURER'S STANDARD PRIMER.

GRATING SHALL BE 1" TYPE GW STEEL GRATING BEARING BAR SIZE 1"x1/8" AS MANUFACTURED BY MANICHO'S COMPANY OR APPROVED EQUAL.

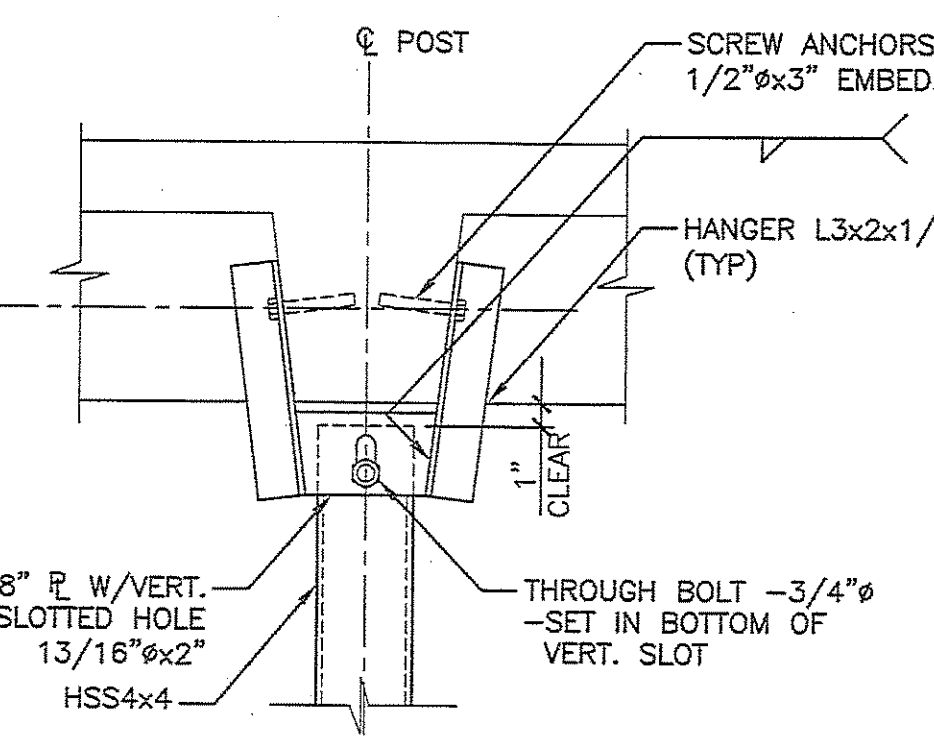
VERIFY ALL FRAMING DIMENSIONS WITH EQUIPMENT PURCHASED PRIOR TO FABRICATION



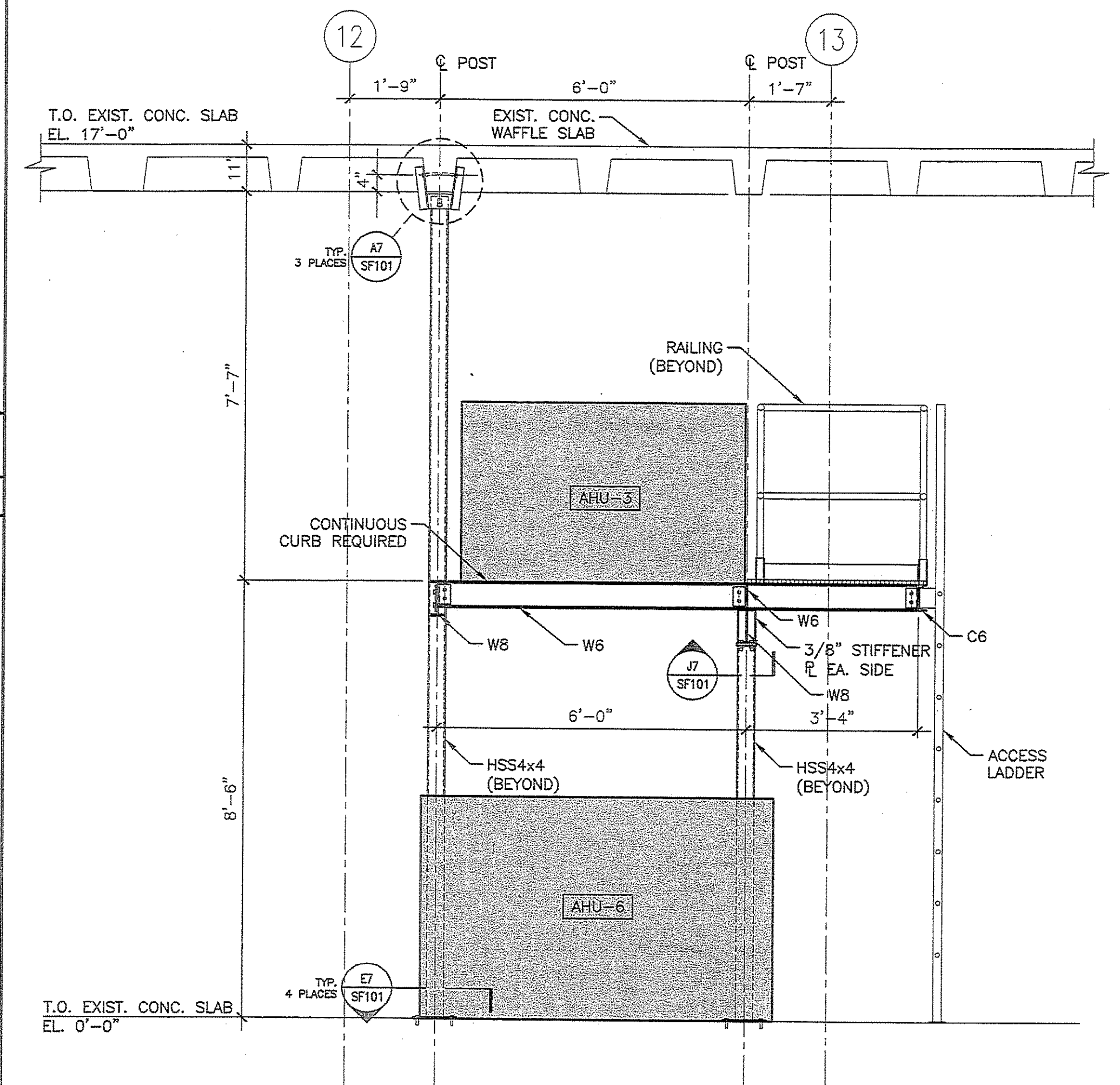
**J7 SECTION**  
3"=1'-0"



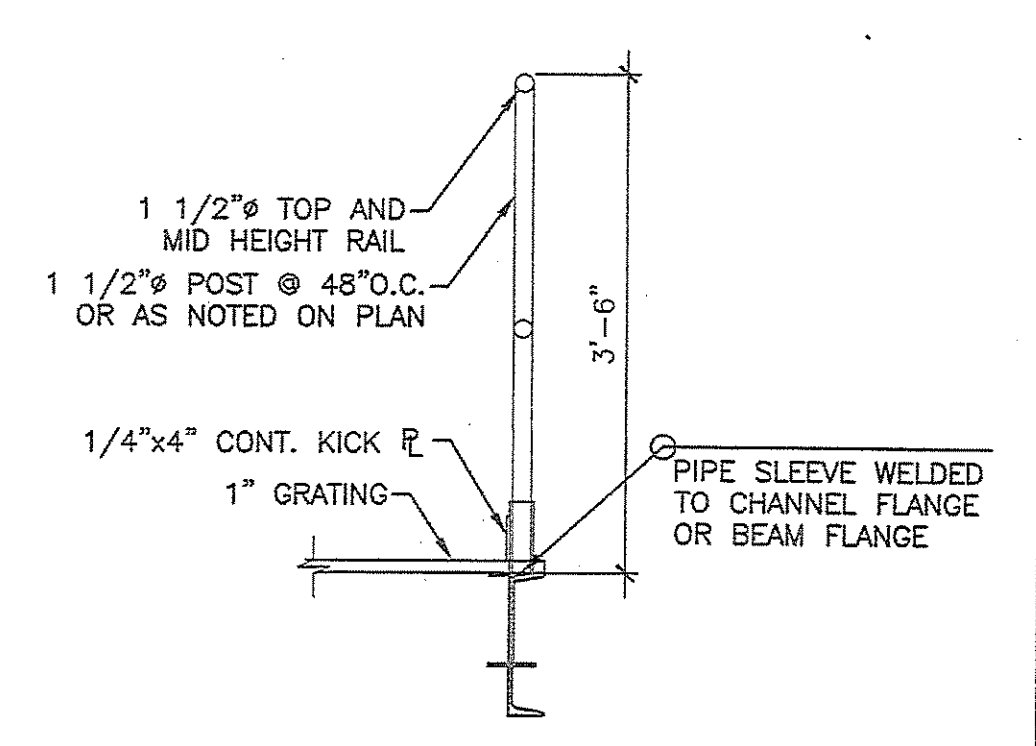
**E7 SECTION**  
3"=1'-0"



**A7 DETAIL**  
1 1/2"=1'-0"



**E10 SECTION**  
1/2"=1'-0"



**A10 SECTION**  
1 1/2"=1'-0"

- NOTES:**
1. ALL WELDING SHALL BE IN ACCORDANCE W/ AWS D1.1 AND SHALL BE PERFORMED BY A WELDER CERTIFIED BY AWS.
  2. BOLTS SHALL BE ASTM A325.
  3. SCREW ANCHORS FOR EMBEDMENT IN CONCRETE SHALL BE ONE OF THE FOLLOWING:
    - A. HILTI HUS-H
    - B. POWERS WEDGE-BOLT.
    - C. SIMPSON STRONG-TIE TITEN HD.
 INSTALL IN ACCORDANCE W/ MANUFACTURER'S SPECIFICATIONS.
  4. SLEEVE ANCHORS SHALL BE ONE OF THE FOLLOWING:
    - A. HILTI HLC SLEEVE ANCHOR
    - B. POWERS LOK-BOLT.
    - C. SIMPSON STRONG-TIE SLEEVE-ALL.

**MECHANICAL UNIT SCHEDULE:**

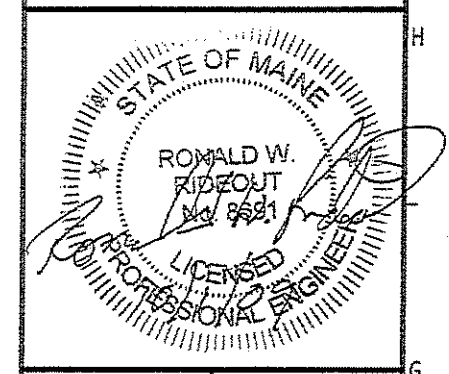
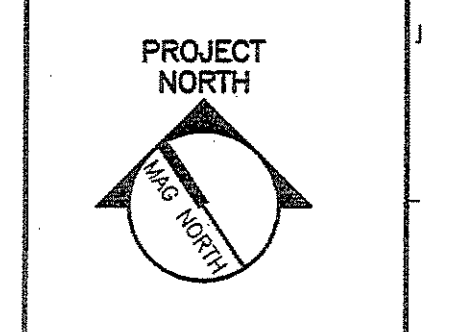
PLATFORM FRAMING IS DESIGNED FOR THE FOLLOWING NEW EQUIPMENT. VERIFY SIZES AND WEIGHTS BEFORE STEEL FABRICATION.

UNIT	WEIGHT (LBS)	UNIT SIZE
AHU-3	2,069	66"x112"
AHU-6	3,907	82"x188"

**A1 AHU-3 SUPPORT FRAMING PLAN**  
1/4"=1'-0"

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FINARD PROPERTIES INC. - 1 MONUMENT SQUARE  
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RE-ISSUED FOR CONSTRUCTION  
10-1-09  
CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
1	RE-ISSUED FOR CONST.	10-1-09
0	RE-ISSUED FOR CONST.	9-29-09

GRAPHIC SCALE:  
0" 1"  
SCALE: AS NOTED  
PROJECT MANAGER: J.L.H.  
DRAWN BY: AFP  
DATE OF RECORD: M.M.C.  
CAD FILE: 08052-07-SF101  
PROJECT NO: 08052-06  
DATE: 10-01-09

SHEET TITLE:  
AHU-3 SUPPORT FRAMING PLAN  
SECTIONS AND DETAILS

SHEET No. SF101