

STEEL NOTES:

A. SPECIFICATIONS: DESIGN , FABRICATION, AND ERECTION ARE TO BE GOVERNED BY THE LATEST REVISIONS OF THE FOLLOWING UNLESS NOTED OTHERWISE (U.N.O.):

1. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360- 1 0).
2. AISC CODE OF STANDARD PRACTICE (CONTRACTOR SHALL SUBMIT STEEL SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION).
3. AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS (ALLOWABLE STRESS DESIGN) .
4. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY. WELDING PERSONNEL II.ND PROCEDURES ARE TO BE QUALIFIED PER AWS D 1 . 1.

B. MATERIALS:

1. HOLLOW STRUCTURAL SECTIONS (HSS) SHALL BE ASTM A500, GRADE B . U.N.O.
2. PLATES AND BARS SHALL BE ASTM A36, U.N.O.

C. BOLTS

1. ALL BOLTS SHALL BE ASTM A325 HIGH STRENGTH WITH HARDENED WASHERS AND HEAVY HEX NUTS U.N.O.
2. ALL BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER U.N.O.
3. ALL BOLTS, NUTS, & WASHERS SHALL BE GALVANIZED, U.N.O.

D. CONNECTIONS:

1. ALL CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED U.N.O.
2. MINIMUM NUMBER OF BOLTS FOR ALL CONNECTIONS SHALL BE (4) U.N.O.
3. SPACING OF BOLTS SHALL BE 3 INCHES U.N.O.
4. EDGE DISTANCE OF BOLTS SHALL BE 1-1/2 INCHES U.N.O.
5. ALL CLIP ANGLES SHALL BE MINIMUM L3X3X 1/4 U.N.O.
- 6 . GUSSET PLATE 3/8 (MIN) THICKNESS REQUIRED U.N.O.

E. WELDS

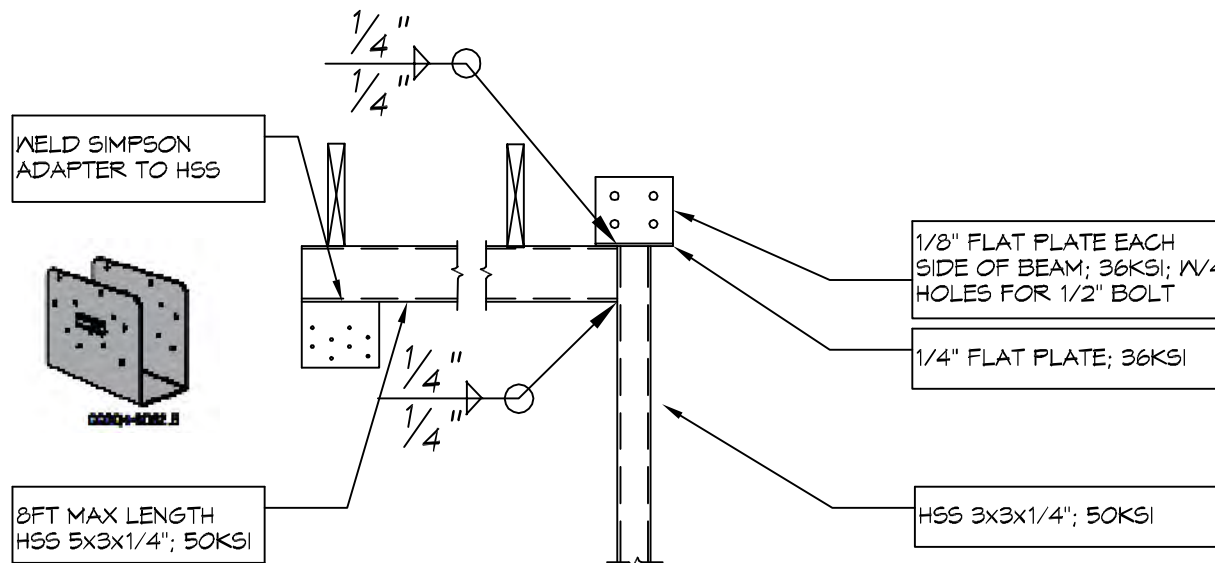
1. ALL WELDS SHALL BE WITH E70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1. USE HIGHER STRENGTH ELECTRODE IF REQUIRED BY AWS D1.1 [ALL WELDING SHALL BE PERFORMED BY AWS QUALIFIED WELDERS].
2. MINIMUM SIZE OF FILET WELD SHALL BE 3/16" U.N.O.
3. SEAL WELD AROUND ALL WELDED CONNECTIONS WHERE WELDING IS NOT INDICATED TO PROVIDE WATERTIGHT CONNECTION.
4. FULL STRENGTH FIELD WELDS IN MATERIALS OVER 5/8 INCH THICK AND WELDED FIELD SPLICES OF IN MEMBERS SHALL BE SUBJECTED TO NON- DESTRUCTIVE TESTING BY AN INDEPENDENT LABORATORY.

F. COATINGS

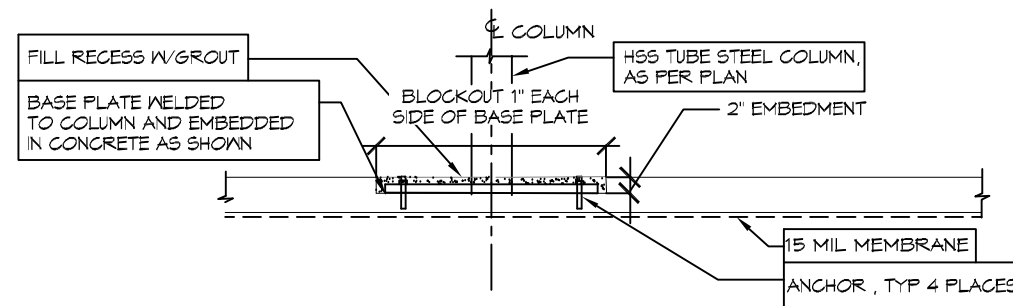
1. ALL UNEXPOSED STEEL SHALL BE SHOP PAINTED (IN ACCORDANCE WITH AISC STANDARDS) OR GALVANIZED.
2. ALL STEEL SHALL BE GALVANIZED OR PAINTED PER PROJECT NOTES.
3. AFTER ERECTION CONTRACTOR SHALL 'TOUCH UP" WITH PAINT, GALVANIZING COMPOUND OR APPROVED COATING ALL ABRADED AREAS.

G. FIELD QUALITY CONTROL

1. INSPECTION OF FIELD ASSEMBLIES IN ACCORDANCE WITH AISC SPECIFICATION FOR STRUCTURAL JOINTS. INSPECTION SHALL INCLUDE APPROVAL OF PROCEDURE FOR CALIBRATION OF WRENCHES AND INSTALLATION OF BOLTS.
2. THE BOLTS SHALL BE CHECKED BY TESTING AGENCY. THE BOLT TENSION SHALL NOT BE LESS THAN THAT REQUIRED BY SPECIFICATIONS FOR STRUCTURAL JOINTS.



A DETAIL
SCALE: N.T.S. STRUCTURAL COLUMN



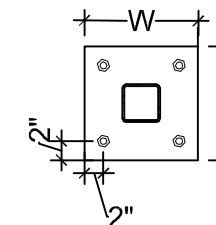
B DETAIL
SCALE: N.T.S. BASE PLATE INSTALLATION

BASE PLATE W/ 4 HOLES FOR 3/4" ANCHOR BOLTS

BASE PLATE DIMENSIONS

	Th	L	W
A	3/8"	10"	10"

(Th = THICKNESS)



C DETAIL
SCALE: N.T.S. BASE PLATE

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COLUMN & LOAD BEARING BEAM

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JOB No: 2020-17 DATE: 12/10/2020

DRAWN BY: DD CHECKED BY:

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