

General Requirements:

1. The Contractor shall be responsible for hiring the special inspector(s) and must include all associated costs per section 1704.1 of the IBC-2006.
2. The permit applicant shall submit a statement of special inspections prepared by the registered design professional in responsible charge per section 1704.1.1 of the IBC-2006. The statement of special inspections shall be as shown below
3. Special inspectors shall submit inspection reports to the building official, and to the registered design professional in responsible charge. The reports shall be prepared in accordance with the requirements contained in section 1704.1.2 of the IBC-2006.
4. The required Special Inspections for this project have been summarized below. All other normal inspections and testing not included in the Special Inspections shown below (i.e., soils compaction testing, concrete sampling and testing, permit agency inspections, etc.) shall be paid for by the General Contractor. All normal testing and inspections, such as those required by the California Department of Public Health (Special Inspections), shall be coordinated and scheduled by the General Contractor to fit within the workflow of the project.

- B. Horizontal:

(1) WIND - ASCE 7 Main Force Resiting System Method 2

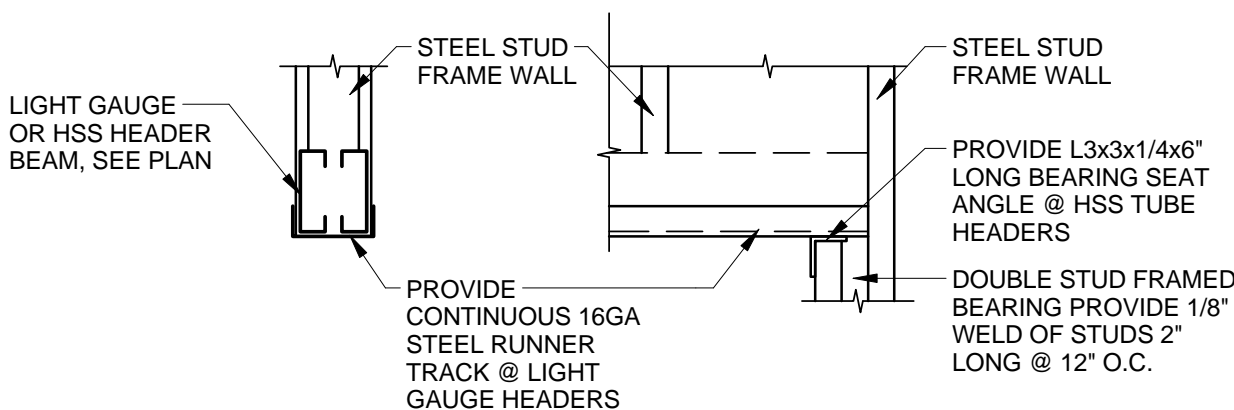
WALLS

(2) SEISMIC(EQUIVALENT LATERAL FORCE PROCEDURE) $V = C_s W$

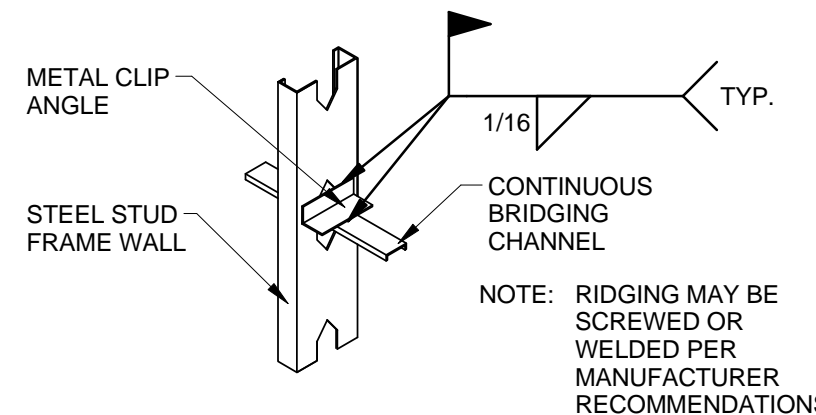
Site Class	=	D
Occupancy Category	=	IV
Seismic Design Category	=	D
I_E	=	1.5
S_{DS}	=	0.50g
S_{DI}	=	0.23g
R (Special Concrete Shear Walls)	=	5
C_s	=	0.08

- #### GENERAL
- A. The Contractor shall verify all dimensions in the field.
- B. Shop drawings shall be furnished for review before any fabrication and erection is started. Poorly executed shop drawings shall be rejected and resubmitted.
- C. The Contractor shall be responsible for providing safe and adequate shoring for all parts of the structure during construction.
- D. All trades shall coordinate and verify all openings in floors, roof, walls, and beams with the General Contractor.
- E. The General Contractor shall be responsible for foundations under Mechanical equipment and shall coordinate size and location of foundations with Mechanical Contractor.
- #### 4. MATERIALS
- A. Structural and Miscellaneous Steel:
- (1) All structural and miscellaneous steel members, shapes and connections shall conform to ASTM A992 Fy=50ksi
 - (2) The contractor shall be responsible for checking the Architectural drawings for all miscellaneous steel. All miscellaneous steel shall be ASTM A36 Fy=36ksi
 - (3) Bolts Shall Conform to ASTM A325 tension control bolts unless noted otherwise, with sizes as shown on the drawings. Anchor bolts embedded in concrete or masonry shall be ASTM F1554 Grade 36 bolts or A36 threaded bars.
 - (4) All welding shall be done by certified welders and shall be in accordance with the latest standards of the AWS and AISC. Inspect all welding in Accordance with the specifications.
 - (5) Tube steel shall be ASTM 500 grade Fy=46ksi.
- B. Cold formed structural and miscellaneous steel
- (1) All cold formed shapes and connections shall have a yield stress of Fy=50 ksi for 16gaue & heavier & 33ksi for 18gaue & lighter.
 - (1) All welding shall conform to the provisions of AWS D1.1-2000 and ANSI/AWS D1.3-98. Where the weld throat is not shown on the drawings, the weld throat shall be at least as the thickness of the thinnest sheet joining. All welds shall provide complete fusion of the sheets without "blowouts"
 - (3) At all butt joints, abutting pieces of track shall be securely anchored to a common structural element or they shall be splice welded together.
 - (4) All structural stud framing shall have rows of horizontal bridging installed at a maximum of 4'-0" o.c. See detail this sheet.
 - (5) The track of all structural stud framing shall be 16gaue minimum.

Special Inspections /Quality Assurance Requirements	
Item	Special Inspection Requirement
1. Steel Construction	
a. Verification of high strength bolts, nuts and washers. Verify confirmation of identification markings to ASTM standard specified. Obtain manufacturer's certificate of compliance.	Periodic Inspection required as defined in AISC 360 Section A3.3 and applicable ASTM material specification
b. Verification of high strength bolting:	
1) bearing-type connections	Periodic Inspection required as defined in AISC 360 Section M2.5
2) Slip-Critical connections	Continuous Inspection required as defined in AISC 360 Section M2.5
c. Inspection of Welding:	
1) Complete and partial penetration groove welds	Continuous Inspection required as defined in AWS D1.1 and IBC section 1704.3.1
2) Multipass fillet welds	Continuous Inspection required as defined in AWS D1.1 and IBC section 1704.3.1
3) Single pass fillet welds greater than 5/16"	Continuous Inspection required as defined in AWS D1.1 and IBC section 1704.3.1
4) Single pass fillet welds less than 5/16"	Periodic Inspection required as defined in AWS D1.1 and IBC section 1704.3.1
5) Floor and Roof Deck welds	Periodic Inspection required as defined in AWS D1.3
6) Verification of weldability of reinforcing steel other than ASTM A 706	Periodic Inspection required as defined in AWS D1.4 and ACI 318 Section 3.5.2
7) Shear reinforcement	Continuous Inspection required as defined in AWS D1.4 and ACI 318 Section 3.5.2
8) Other reinforcing steel	Periodic Inspection required as defined in AWS D1.4 and ACI 318 Section 3.5.2
d. Inspection of Steel frame joints for compliance with approved construction documents	
	Periodic Inspection required as defined in IBC 2006 Section 1704.3.2



EXTERIOR NON-LOAD BEARING HEADER DETAIL



HORIZ. BRIDGING DETAIL
NOT TO SCALE

COMPLETION ITEM NO. _____
FULLY SPRINKLERED

[illegible]