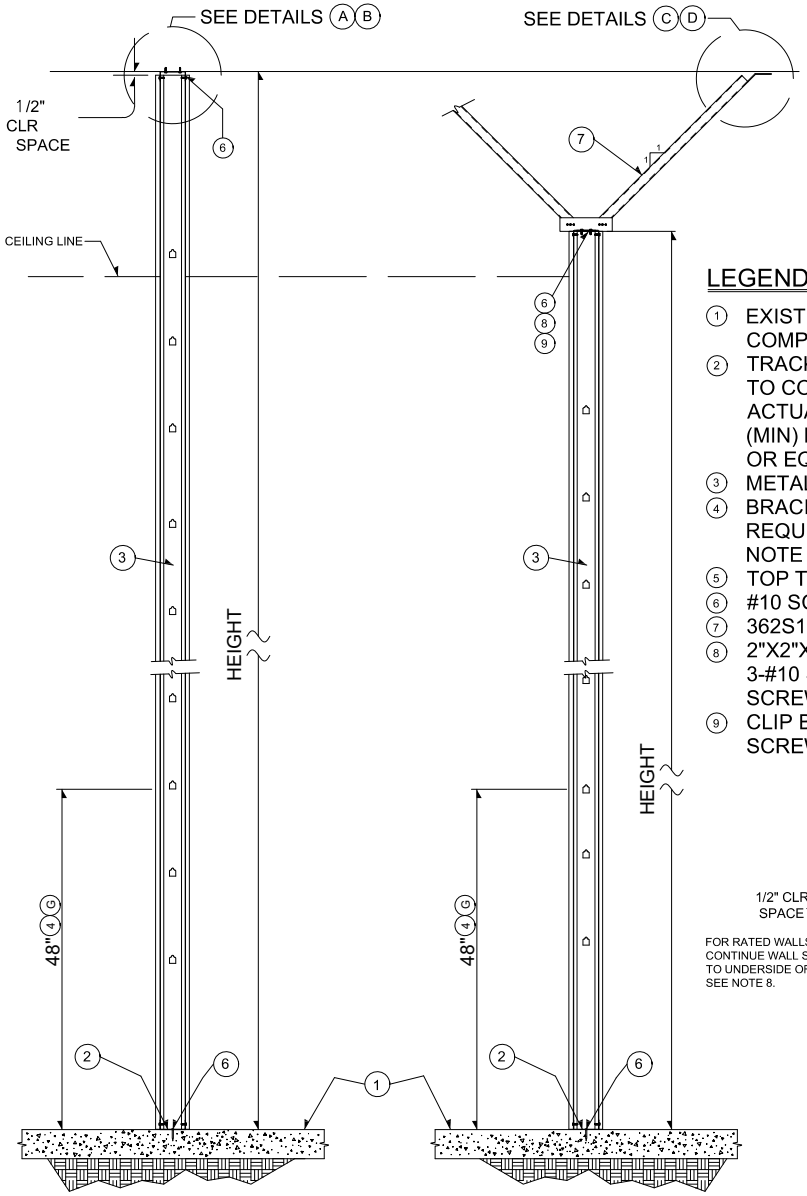
NON - BEARING STEEL STUD WALL PARTITION DETAIL - TO WOOD (2018 IBC):

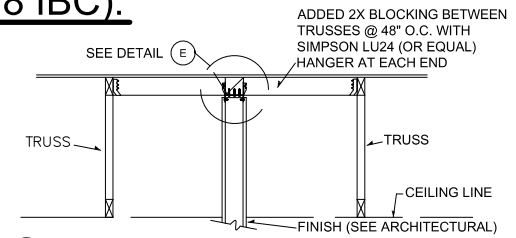


NON - BEARING INTERIOR WALL DETAILS

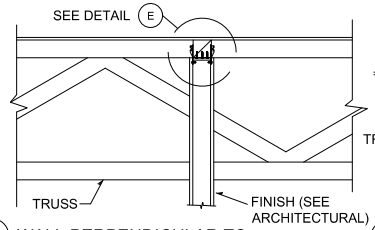
STUD HEIGHT	METAL STUD SIZE 24" O.C.
UP TO 13'-0" (SEE NOTE 9)	362S125-18
UP TO 19'-0" (SEE NOTE 9)	362S125-33
UP TO 9'-0" IF BRACED AT 48" O.C. (SEE 4)	362S125-18
UP TO 14'-0" IF BRACED AT 48" O.C. (SEE 4)	362S125-33

LEGEND:

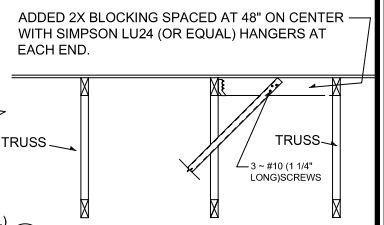
1. EXISTING 3.5" THICK CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH f'_C 2,500 PSI
2. TRACK SAME THICKNESS AS STUDS ATTACHED TO CONCRETE SLAB WITH HILTI POWDER ACTUATED FASTENERS 0.157" Φ X-U WITH 1.25" (MIN) PENETRATION INTO CONCRETE AT 32" O.C. OR EQUAL (ICC ESR-2269)
3. METAL STUDS (SEE SCHEDULE)
4. BRACING (SEE DETAIL G) @ 48" O.C. NOT REQUIRED IF COMPOSITE CONSTRUCTION (SEE NOTE 9)
5. TOP TRACK
6. #10 SCREWS EACH SIDE TRACK TO STUD (TYP)
7. 362S125-33 BRACE AT 48" O.C. UP TO 8' LONG
8. 2"X2"X16GAX18" LONG ANGLE ATTACHED WITH 3-#10 SCREWS TO TOP BRACE AND 3-#10 SCREWS TO TOP TRACK
9. CLIP BRACE FLANGE TO FORM SHOE WITH 2-#10 SCREWS OR SEE 8



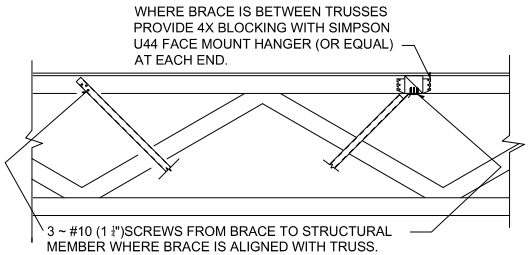
A WALL PARALLEL TO WOOD TRUSSES



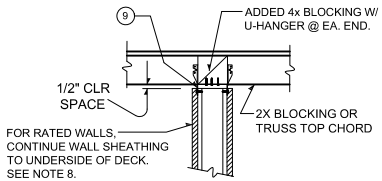
B WALL PERPENDICULAR TO WOOD TRUSSES



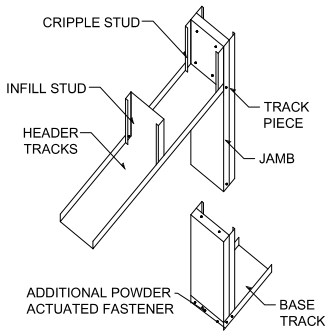
C WALL PARALLEL TO WOOD TRUSSES



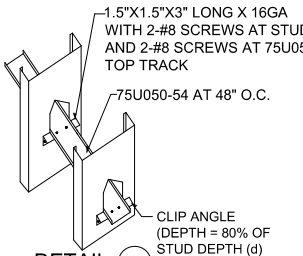
D WALL PERPENDICULAR TO WOOD TRUSSES



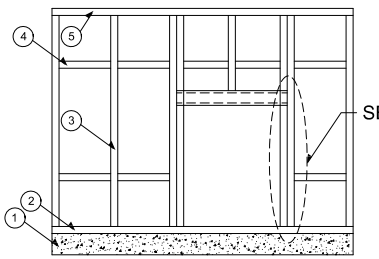
E ENLARGED DETAIL



DETAIL F



DETAIL G



NOTES:

1) MAXIMUM DOOR/WINDOW OPENING IS 4.0'.
2) 5 POUNDS PER SQUARE FOOT MAX. LATERAL LOAD.
3) Fy (MIN.) = 33 KSI.
4) DEFLECTION LIMIT: L/120
5) FOR H > 18' - 0" AND BRACING > 8' - 0" SUBMIT ENGINEERING DESIGN AND DETAILS.
6) THE DETAILS SHOWN ARE INTENDED TO SERVE AS A GUIDE ONLY. THE DESIGN PROFESSIONAL MAY SUBMIT AN ALTERNATE DESIGN AND DETAILS THAT COMPLY WITH THE 2018 IBC.
7) NOT APPLICABLE TO SHEAR WALLS.
8) SEE ARCHITECTURAL REQUIREMENTS FOR RATED WALLS.
9) COMPOSITE LIMITING HEIGHTS ARE BASED ON A SINGLE LAYER $\frac{5}{8}$" TYPE X GYPSUM BOARD INSTALLED IN THE VERTICAL OR HORIZONTAL ORIENTATION TO BOTH SIDES OF THE WALL OVER FULL HEIGHT USING MINIMUM NO 6 TYPE S DRYWALL SCREWS SPACED A MAXIMUM 12" O.C. FOR STUDS AT 24" SPACING, AND 16" O.C. FOR STUDS AT 16" AND 12" SPACING.

September 23, 2019, MCUNNINGHAM