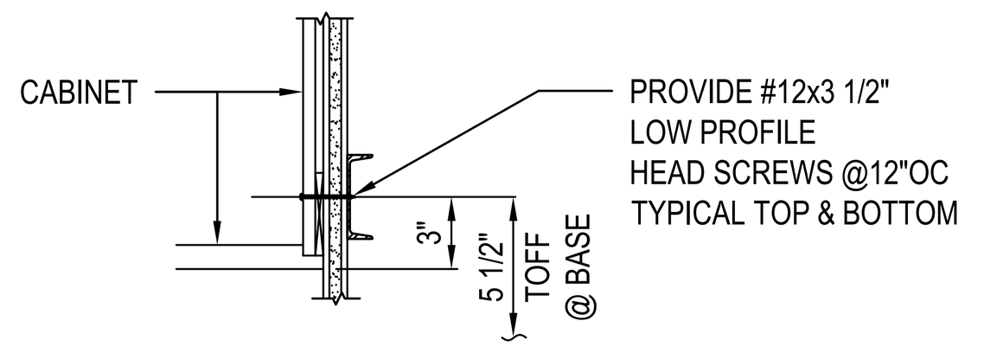
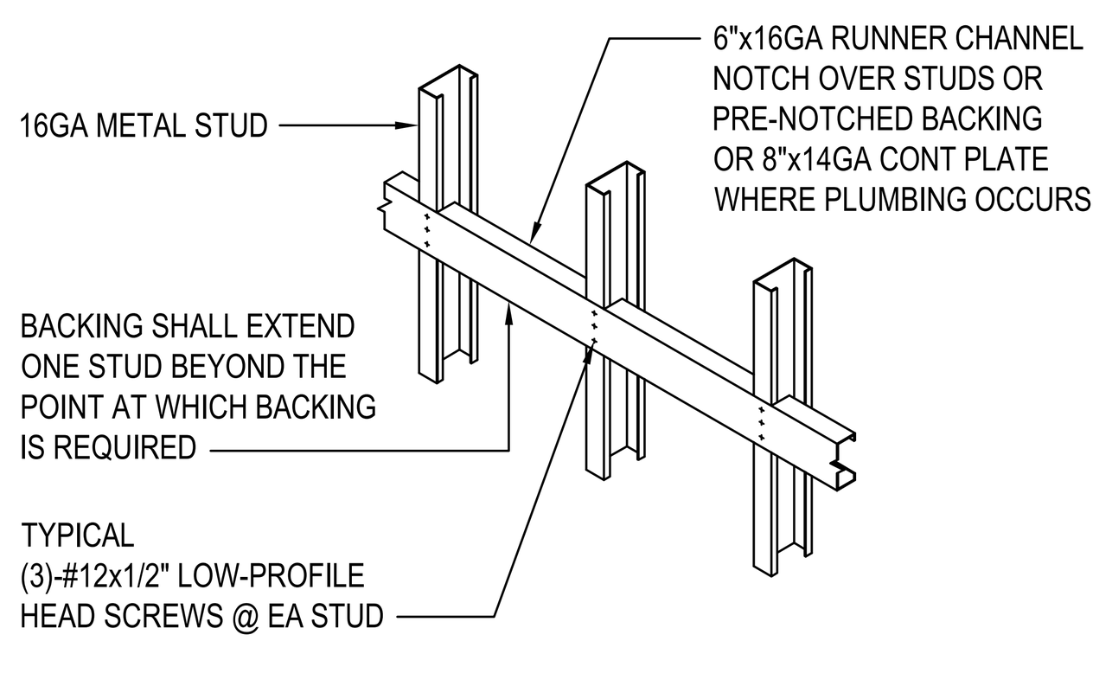
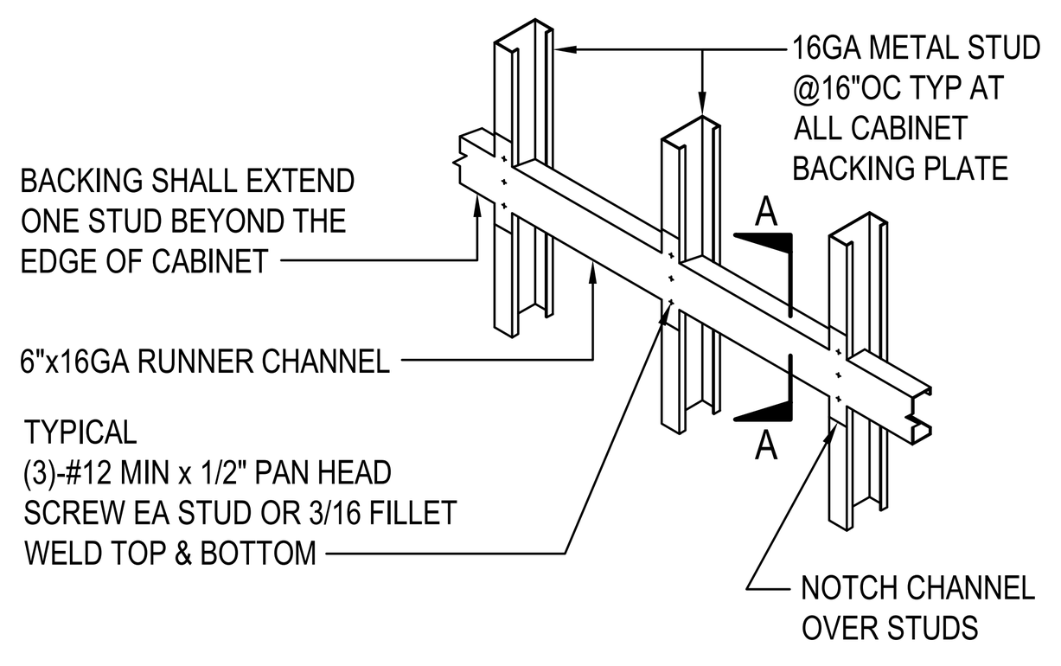


SECTION A-A

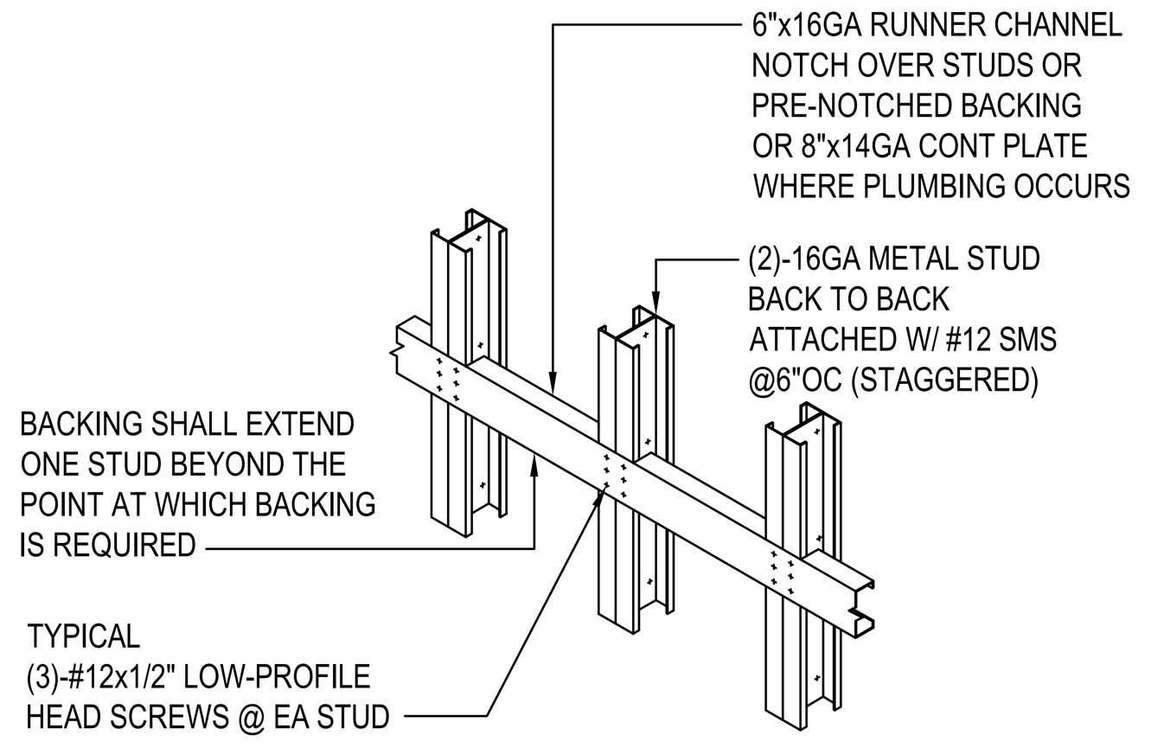


16GA METAL STUD
6"x16GA RUNNER CHANNEL NOTCH OVER STUDS OR PRE-NOTCHED BACKING OR 8"x14GA CONT PLATE WHERE PLUMBING OCCURS
BACKING SHALL EXTEND ONE STUD BEYOND THE POINT AT WHICH BACKING IS REQUIRED
TYPICAL (3)-#12x1/2" LOW-PROFILE HEAD SCREWS @ EA STUD

BACKING AT EQUIPMENT WEIGHT UNDER 100 LBS



BACKING AT CABINET

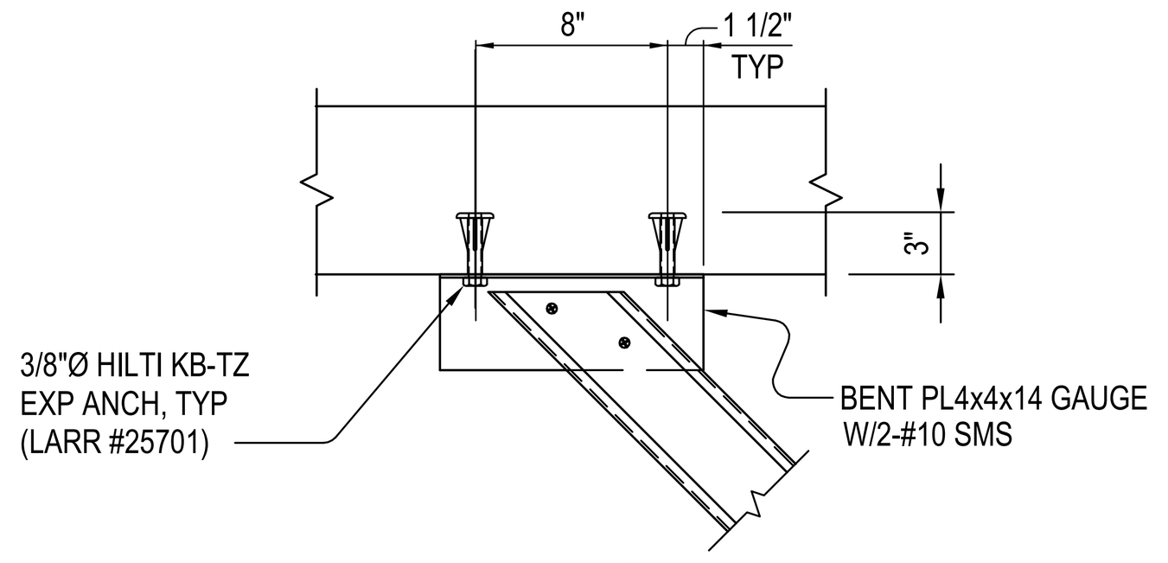


6"x16GA RUNNER CHANNEL NOTCH OVER STUDS OR PRE-NOTCHED BACKING OR 8"x14GA CONT PLATE WHERE PLUMBING OCCURS
(2)-16GA METAL STUD BACK TO BACK ATTACHED W/ #12 SMS @6"OC (STAGGERED)
BACKING SHALL EXTEND ONE STUD BEYOND THE POINT AT WHICH BACKING IS REQUIRED
TYPICAL (3)-#12x1/2" LOW-PROFILE HEAD SCREWS @ EA STUD

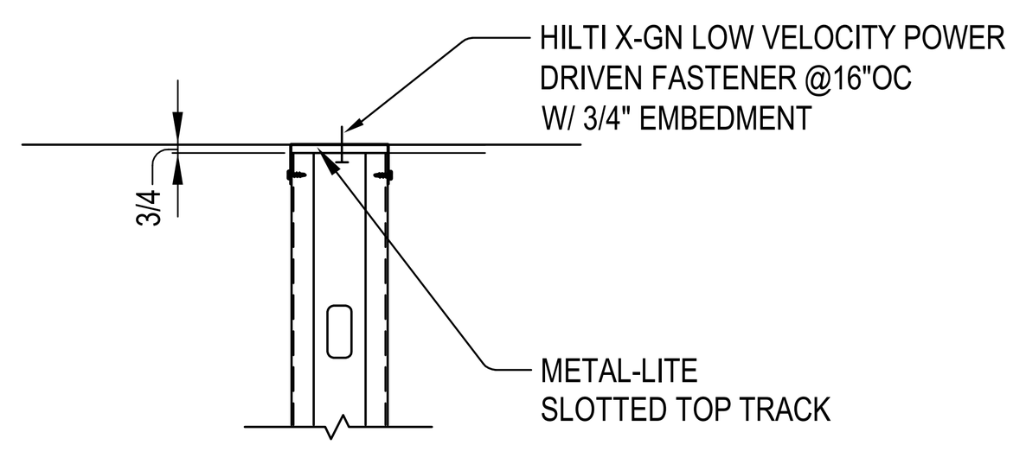
BACKING AT EQUIPMENT WEIGHT BETWEEN 100 - 200 LBS

NOTE: ADD HILTI X-DNI 32P8 POWDER DRIVEN FASTENERS AT TOP AND BOTTOM OF DOUBLE STUDS.

TYPICAL ATTACHMENT TO METAL STUD DETAILS | 19

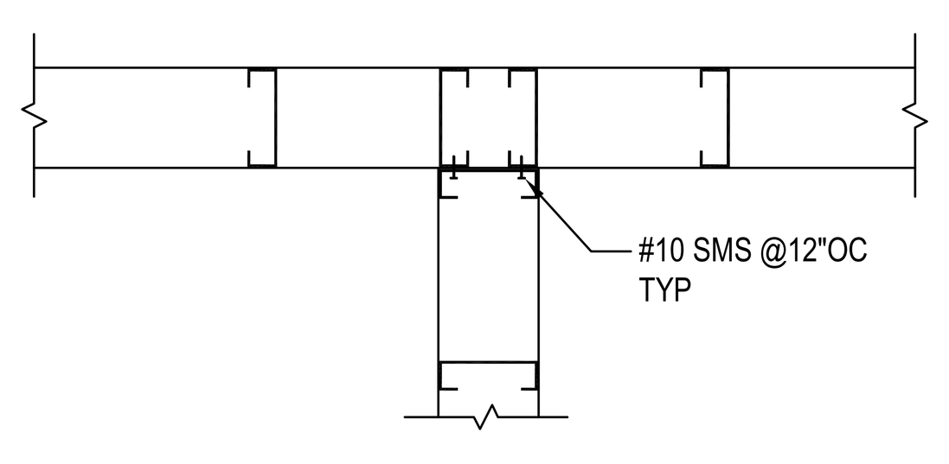


BRACE CONDITION (B)

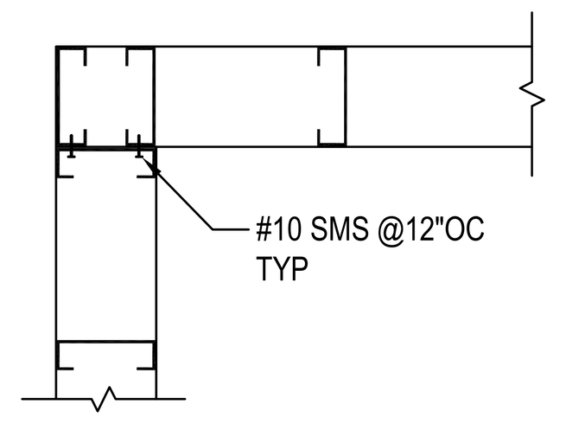


STUD CONDITION (A)

TYPICAL TOP OF STUD WALL OR BRACE CONNECTION TO CONCRETE SLAB (DECK) | 16



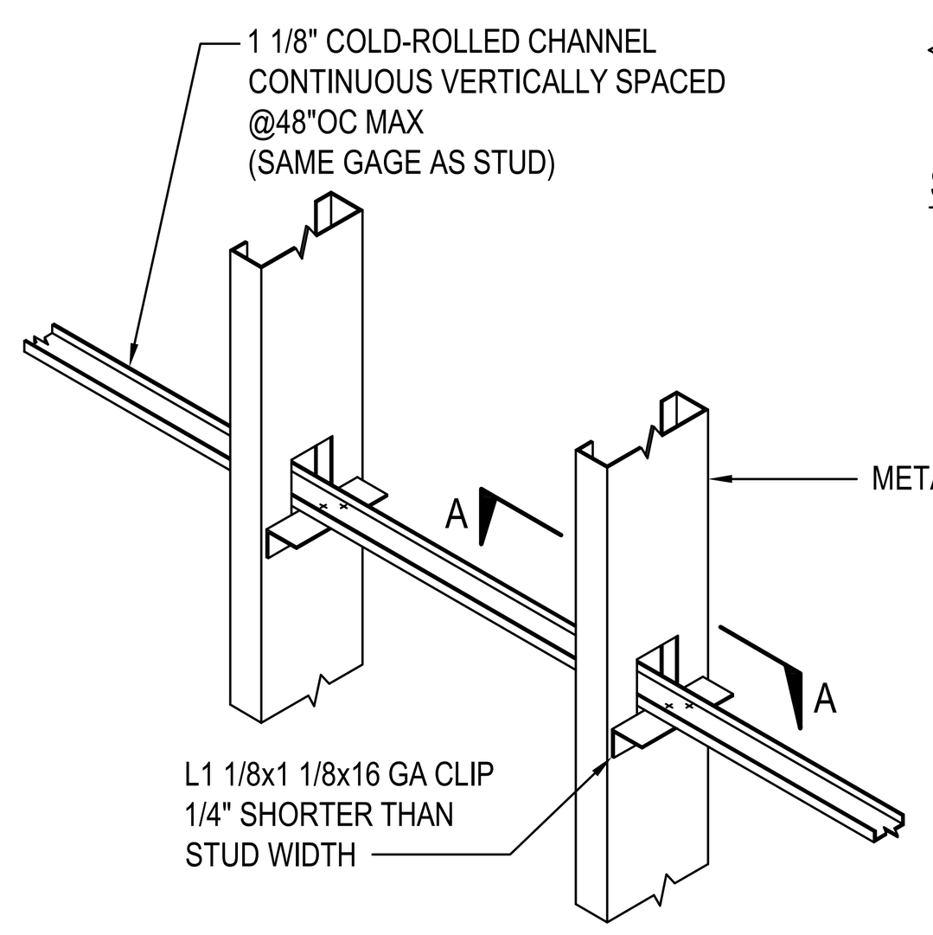
WALL INTERSECTION



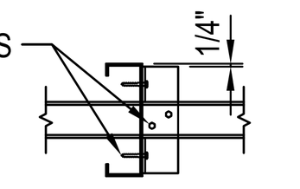
WALL CORNER

METL-GENL-0001

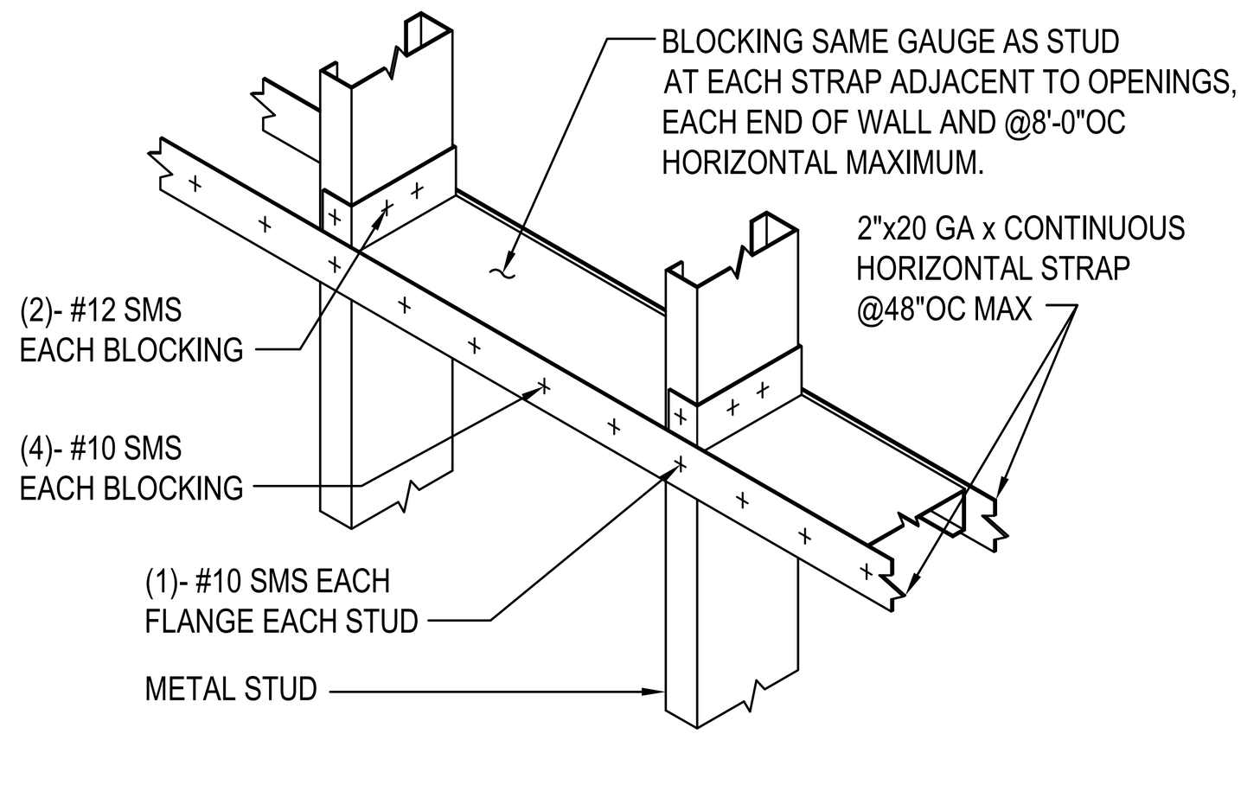
TYPICAL METAL STUD WALL AT INTERSECTIONS | 12



BRIDGING OPTION



SECTION A-A

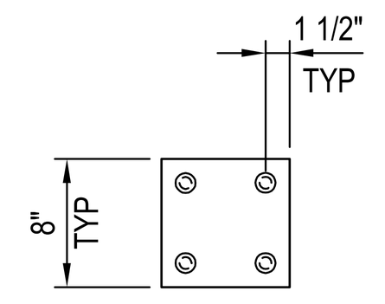


STRAP OPTION

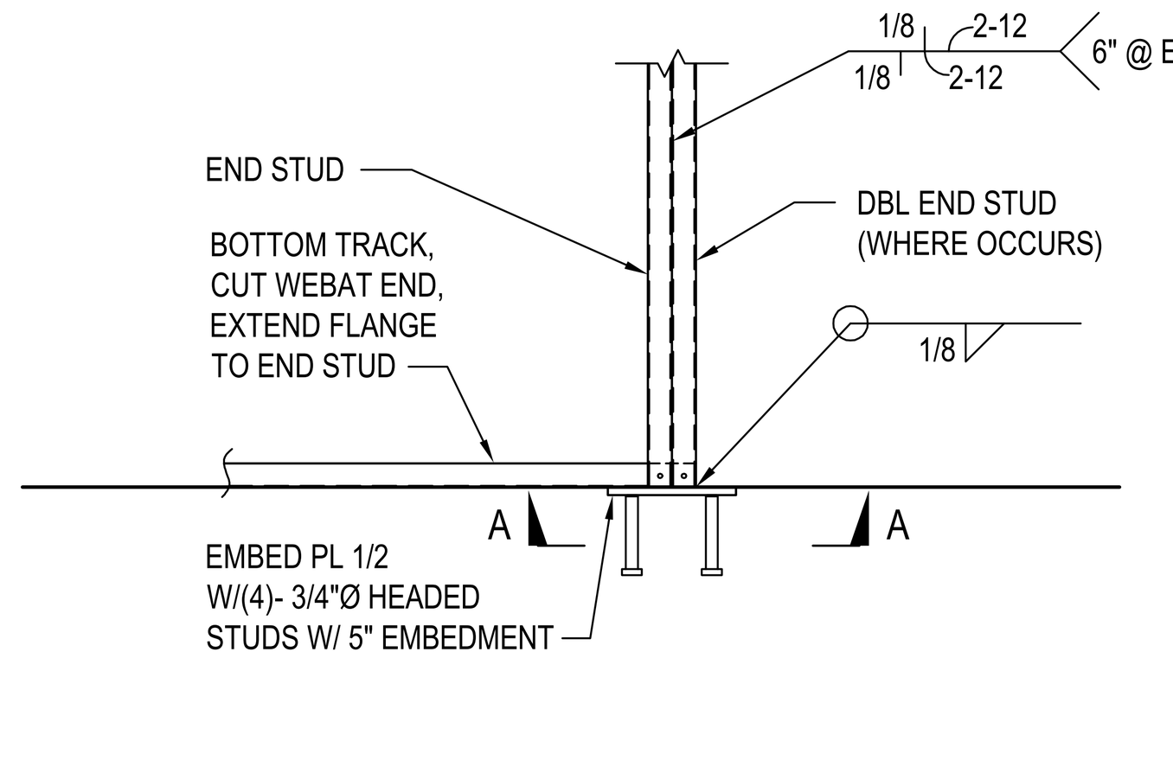
NOTE:
REQUIRED WHERE RIGID WALL FINISH DOES NOT CONTINUE FULL HEIGHT OF EITHER OR BOTH SIDES OF STUDS

METL-GENL-0002

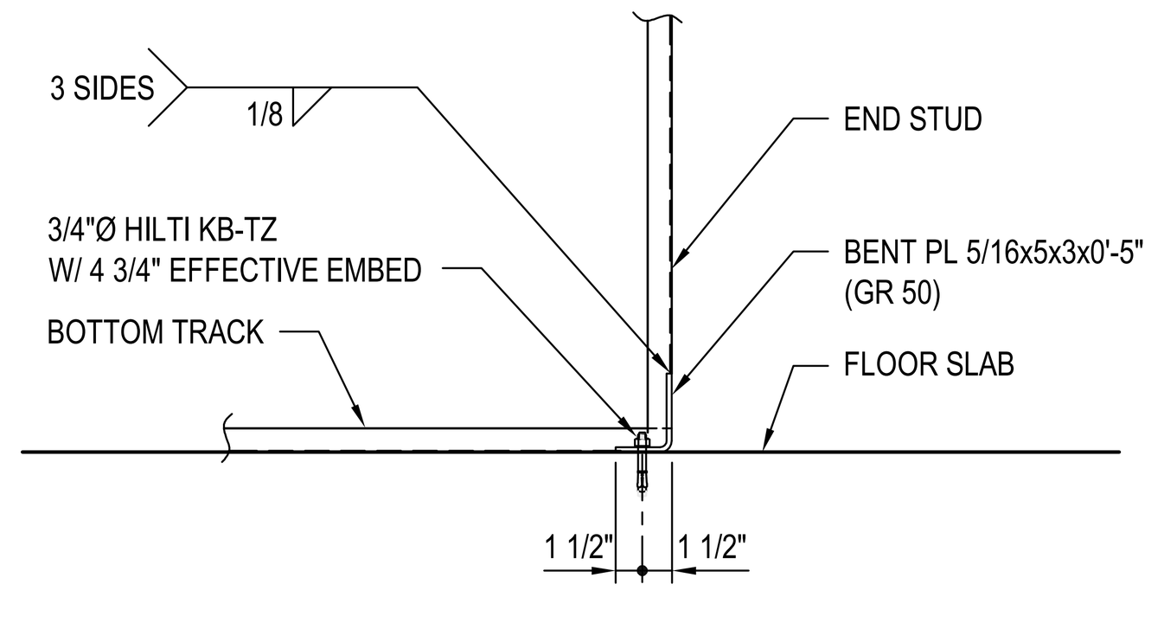
TYPICAL LATERAL BRIDGING AT METAL STUDS | 4



SECTION A-A



HD2 DETAIL



HD1 DETAIL

NTS

SHEAR WALL ANCHOR DETAILS | 20

SURE-BOARD SHEAR WALL SCHEDULE (LARR #25461)								
WALL TYPE	WALLBOARD TYPE NUMBER OF SIDES ORIENTATION	MIN STUD GAGE AND MAX SPACING	SCREW SIZE AND SPACING	ALLOWABLE SHEAR	CONNECTIONS			
					1	2	3	
A	SERIES 200 SUREBOARD ONE SIDE INSTALLED VERTICALLY	18GA AT 24" OC MAXIMUM SPACING	#8 BUGLE HEAD SCREW @12"OC FIELD @6"OC EDGES AND ENDS	434 PLF	6"	24"	12"	
B	SERIES 200W SUREBOARD ONE SIDE INSTALLED VERTICALLY	16GA AT 16" OC MAXIMUM SPACING	#10 SCREW @6"OC FIELD, EDGES AND ENDS	923 PLF	6"	24"	12"	
C	SERIES 200W SUREBOARD TWO SIDES INSTALLED VERTICALLY	14GA AT 16" OC MAXIMUM SPACING	#10 SCREW @6"OC FIELD, EDGES AND ENDS	1,922 PLF	6"	24"	12"	

NOTES:
1) THESE VALUES ARE FOR SHORT-TERM LOADS DUE TO WIND OR SEISMIC.
2) THE SCREWS ARE DESCRIBED AND INSTALLED IN ACCORDANCE WITH SECTION 2.2.2 AND 2.4, RESPECTIVELY PER ICBO ES REPORT ER-5762.
3) TABULATED VALUES ARE FOR PANELS APPLIED ONE SIDE ONLY. CURRENTLY VALUES CANNOT BE INCREASED FOR PANELS ATTACHED TO BOTH SIDES OF THE WALL.
4) PROVIDE E.S. TO STUDS OR POSTS AT HOLDOWN LOCATIONS.
5) USE 1 5/8" FLANGE CEE STUDS MIN. AT ALL SHEAR WALLS.
6) TABLE INDICATES ALLOWABLE STRESS DESIGN (ASD) LOADS USING A SAFETY FACTOR = 2.5.
7) SEE PLANS AND DETAILS FOR SPECIAL ANCHOR BOLTING AND HOLDOWN DETAILS.
8) SECTION 2.2.3 IN EVALUATION REPORT ER 5762, DESCRIBES THE MINIMUM BASE METAL THICKNESS ASSOCIATED WITH GAGES.
9) ALL PANEL EDGES MUST BE BLOCKED.
10) ALL SUREBOARD SHEETS MUST BEAR IDENTIFICATION MARKINGS AS DESCRIBED IN EVALUATION REPORT ER 5762.
11) STORE, HANDLE AND INSTALL SUREBOARD PER THE MANUFACTURERS RECOMMENDATIONS.

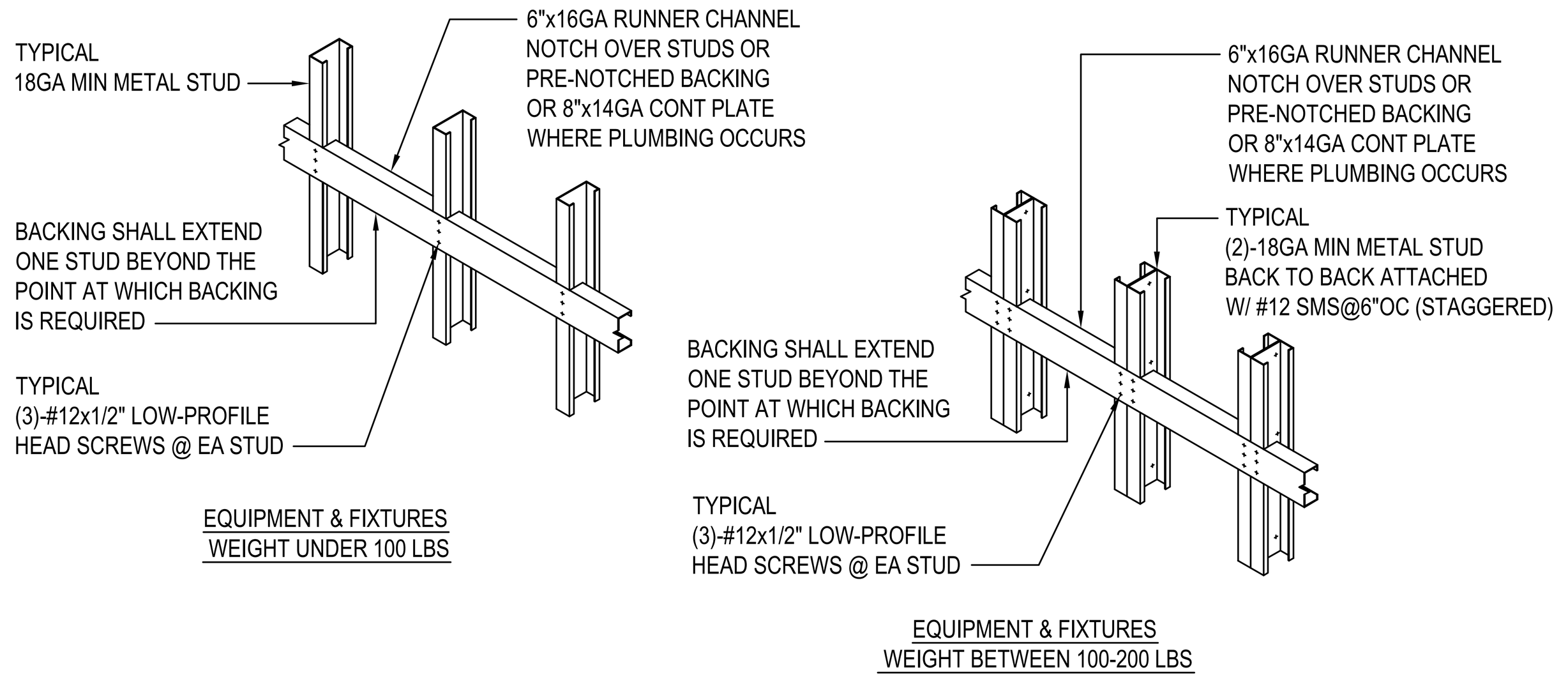
CONNECTIONS:

1. SHEATHING TO TOP TRACK, 1/4-14 HILTI KWIK-PRO SELF DRILLING SCREWS (LARR #25678)
2. BOTTOM TRACK TO CONCRETE SLAB / FOOTING, 1/2"Ø HILTI KWIK BOLT TZ W/ 2 " EMBED (ICC-ES #1917) (LARR #25701)
3. TRACK/STEEL STUD TO STEEL BEAM, #10 TEKS (OR EQUAL) SELF TAPPING SCREW W/ 1/2" MIN. PENETRATION INTO STEEL.

BOTTOM TRACK EXPANSION ANCHOR TESTING:

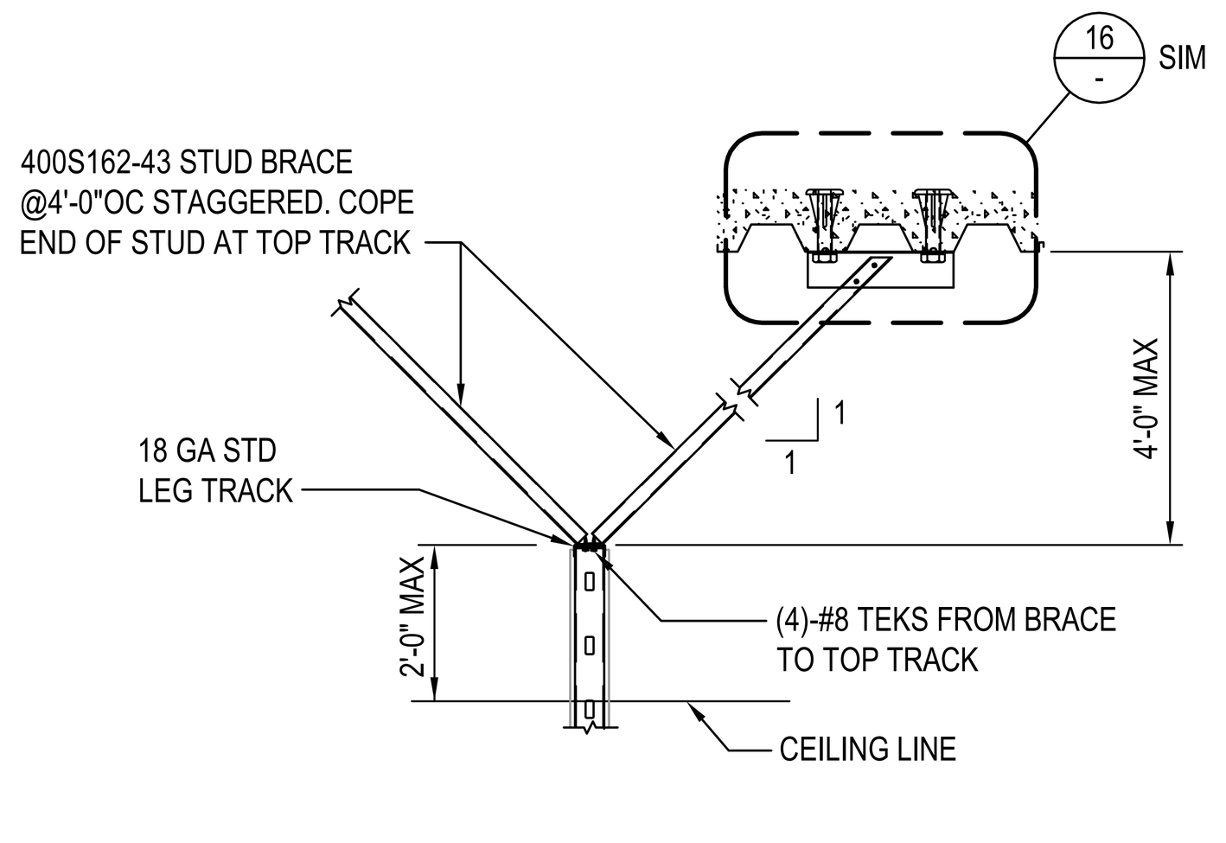
TORQUE TEST 10% OF ANCHORS TO 20FT*LBS. FOR 3/8"Ø, TO 40FT*LBS. FOR 1/2"Ø. IF ANCHOR FAILS, TEST ANCHOR ON BOTH SIDE. IF EITHER OF THOSE ANCHORS FAIL, TEST 100% OF ANCHORS UNTILL 10 IN A ROW PASS, THEN RESUME 10% TESTING. PROVIDE NEW ANCHOR FOR ANY FAILED ANCHORS AT NO ADDITIONAL COST.

SURE-BOARD SCHEDULE AND NOTES | 17

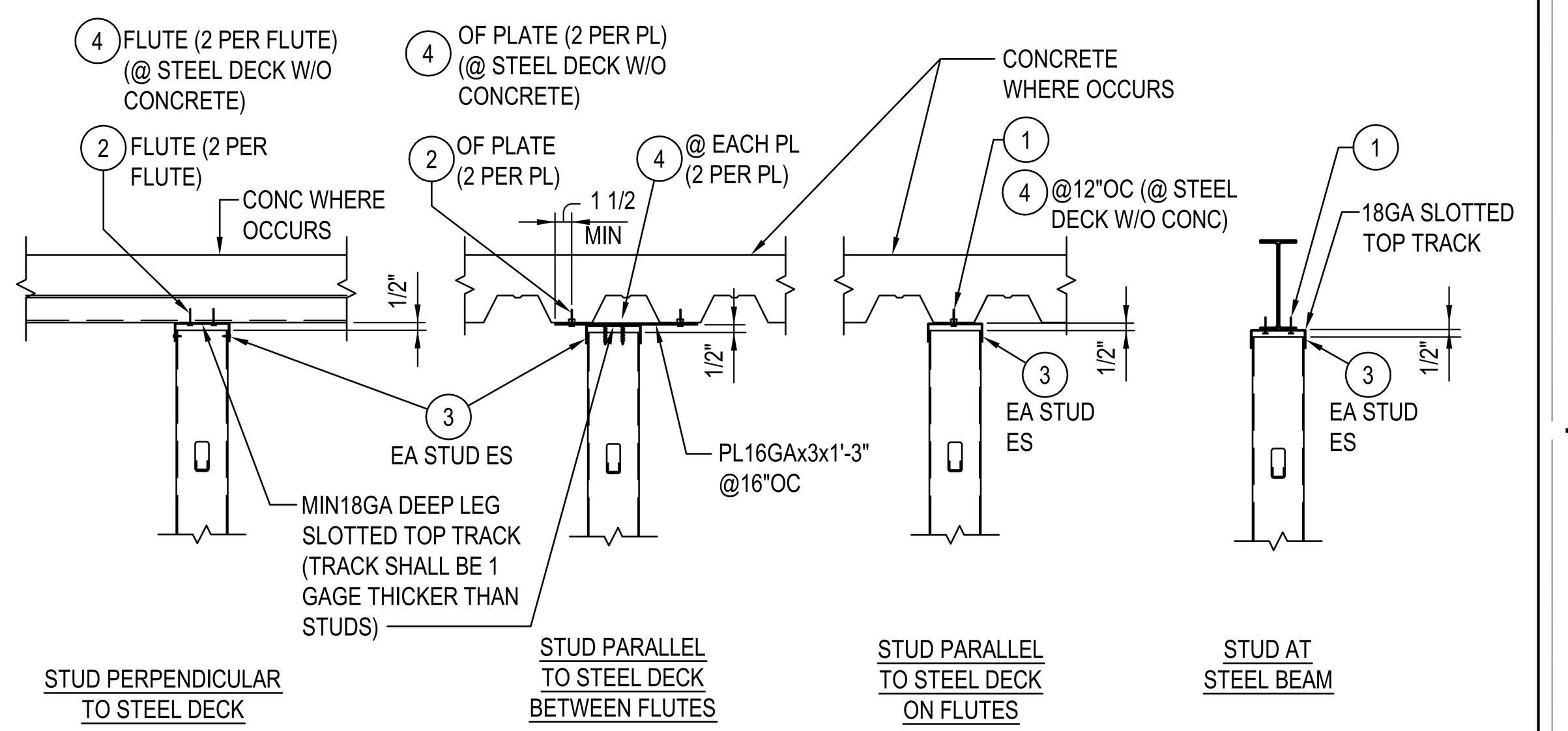


TYPICAL 18GA MIN METAL STUD
6"x16GA RUNNER CHANNEL NOTCH OVER STUDS OR PRE-NOTCHED BACKING OR 8"x14GA CONT PLATE WHERE PLUMBING OCCURS
BACKING SHALL EXTEND ONE STUD BEYOND THE POINT AT WHICH BACKING IS REQUIRED
TYPICAL (3)-#12x1/2" LOW-PROFILE HEAD SCREWS @ EA STUD
EQUIPMENT & FIXTURES WEIGHT UNDER 100 LBS
TYPICAL (2)-18GA MIN METAL STUD BACK TO BACK ATTACHED W/ #12 SMS@6"OC (STAGGERED)
EQUIPMENT & FIXTURES WEIGHT BETWEEN 100-200 LBS

BACKING FOR WALL SUPPORTED ITEMS (G)

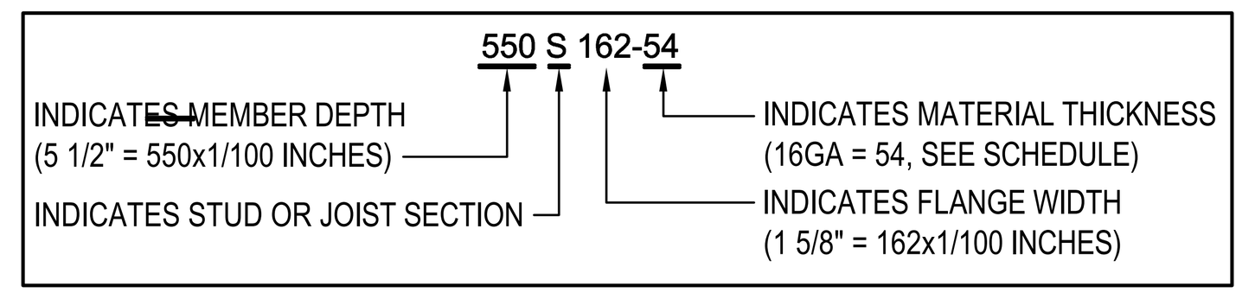


TOP CONNECTION (F)

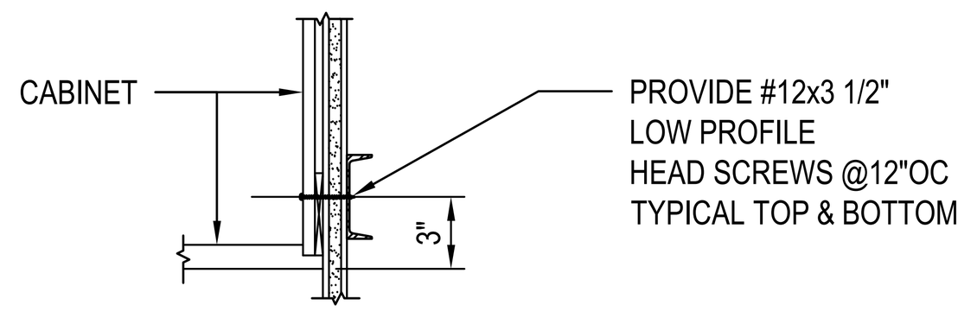


FLUTE (2 PER FLUTE) (@ STEEL DECK W/O CONCRETE)
OF PLATE (2 PER PL) (@ STEEL DECK W/O CONCRETE)
FLUTE (2 PER FLUTE)
CONC WHERE OCCURS
OF PLATE (2 PER PL)
@ EACH PL (2 PER PL)
1 1/2 MIN
CONCRETE WHERE OCCURS
@12"OC (@ STEEL DECK W/O CONC)
18GA SLOTTED TOP TRACK
EA STUD ES
MIN18GA DEEP LEG SLOTTED TOP TRACK (TRACK SHALL BE 1 GAGE THICKER THAN STUDS)
PL16GAx3x1'-3" @16"OC
EA STUD ES
STUD PERPENDICULAR TO STEEL DECK
STUD PARALLEL TO STEEL DECK BETWEEN FLUTES
STUD PARALLEL TO STEEL DECK ON FLUTES
STUD AT STEEL BEAM

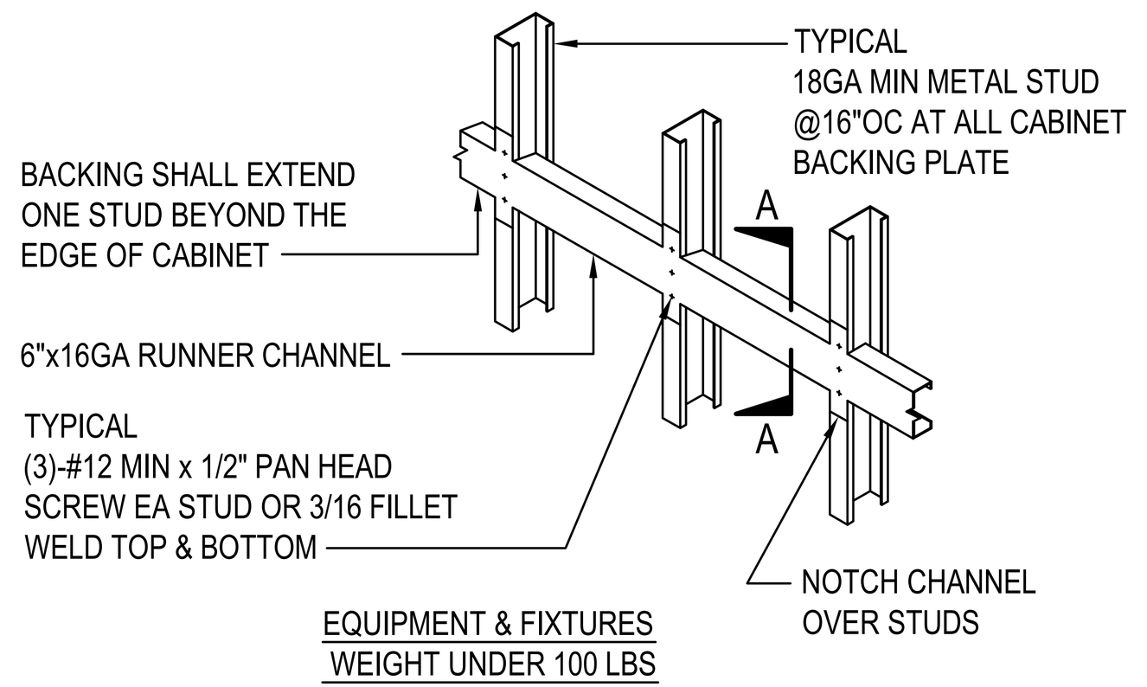
STUD TO DECK DETAIL (B)



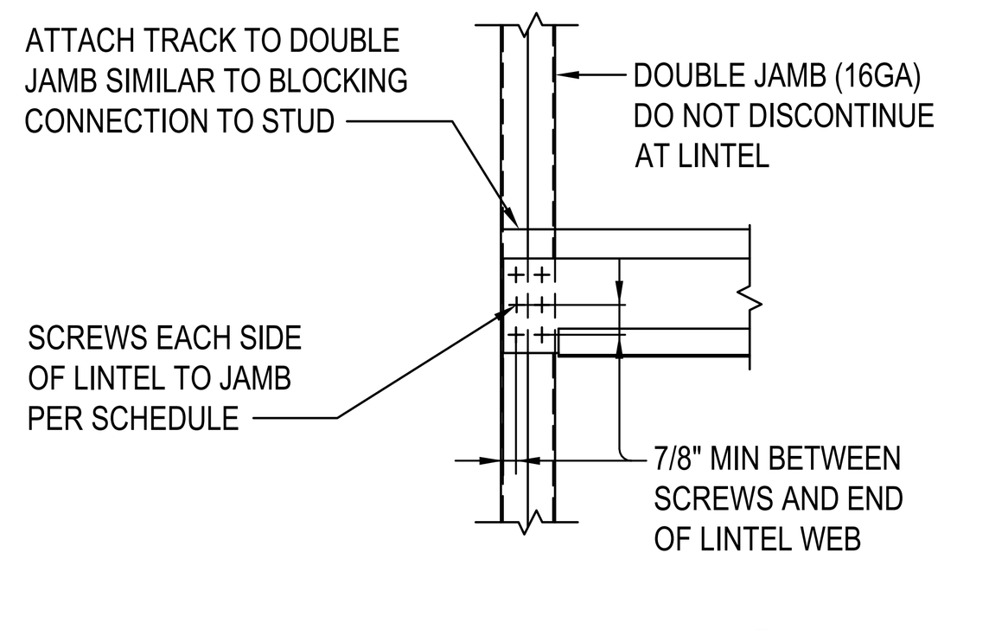
TYPICAL METAL STUD IDENTIFICATION



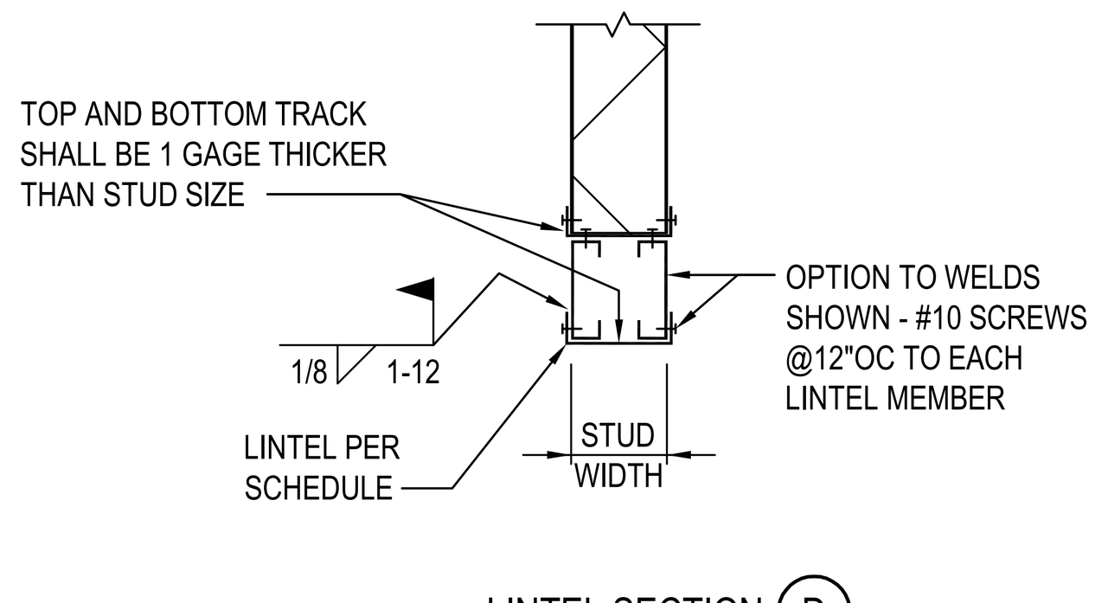
SECTION A-A



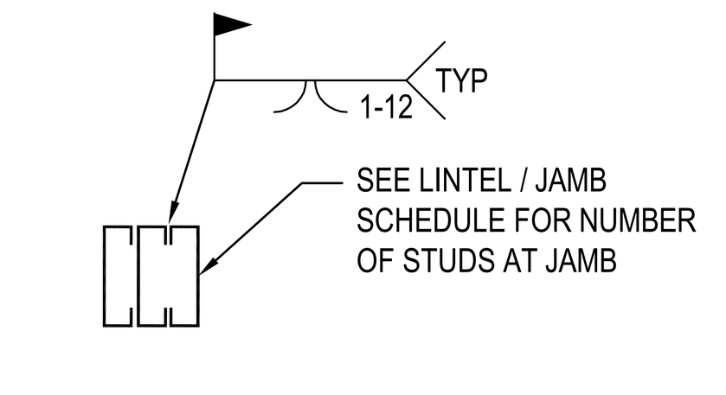
EQUIPMENT & FIXTURES WEIGHT UNDER 100 LBS



CONNECTION TO JAMB (E)



LINTEL SECTION (D)

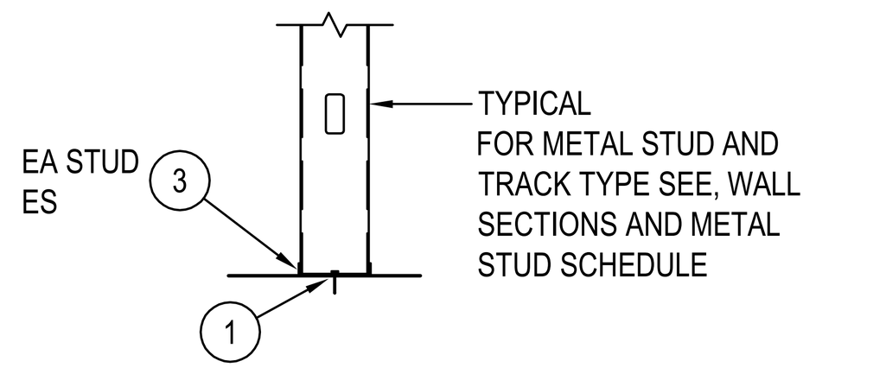


JAMB SECTION (C)

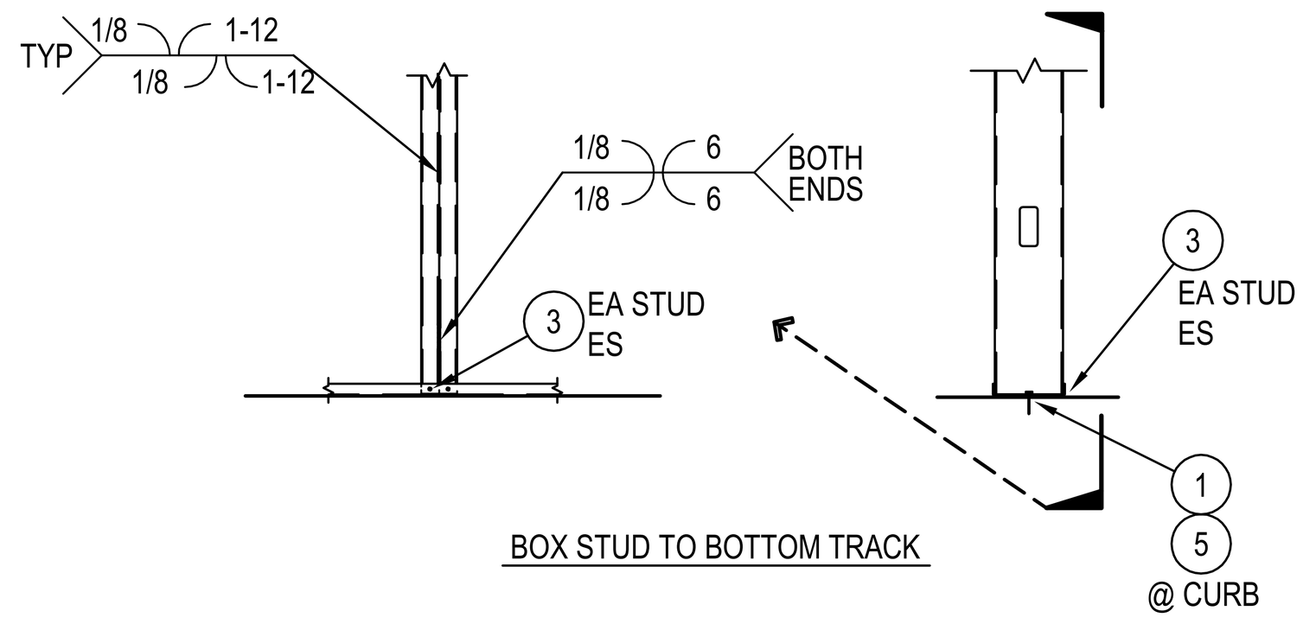
LINTEL / JAMB SCHEDULE			
MAX LENGTH	LINTEL BEAM SIZE	# OF STUDS AT JAMB	#10 SCREWS EACH SIDE OF BEAM TO JAMB
4'-0"	(2) 400 S162-33	1	2 SCREWS (4 TOTAL)
6'-0"	(2) 400 S162-33	2	2 SCREWS (4 TOTAL)
8'-0"	(2) 600 S162-33	2	3 SCREWS (6 TOTAL)
10'-0"	(2) 600 S162-33	2	3 SCREWS (6 TOTAL)
12'-0"	(2) 800 S162-33	3	4 SCREWS (8 TOTAL)
14'-0" *	(2) 800 S162-33	3	4 SCREWS (8 TOTAL)
16'-0"	(2) 1000 S162-33	3	5 SCREWS (10 TOTAL)

* 13'-0" MAX HEADER WIDTH FOR 4" STUDS

JAMB / LINTEL DETAILS AND SCHEDULE



SINGLE STUD TO BOTTOM TRACK

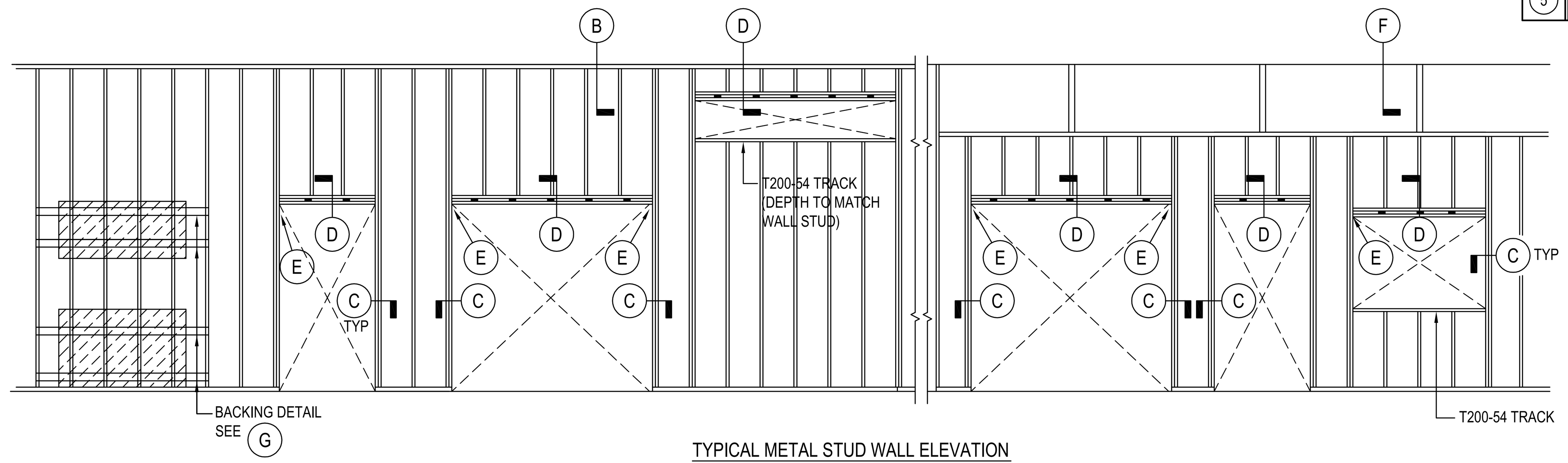


BOX STUD TO BOTTOM TRACK

METAL STUD FASTENER SCHEDULE	
MARK	FASTENERS SIZE AND SPACING
1	HILTI X-GN LOW VELOCITY POWER DRIVEN FASTENER @16"OC W/ 3/4" EMBEDMENT (LARR #25675)
2	HILTI X-GN LOW VELOCITY POWER DRIVEN FASTENER @16"OC W/ 3/4" EMBEDMENT (LARR #25675)
3	#10 SHEET METAL SCREW
4	#12 SHEET METAL SCREW
5	1/2"Ø HEADED BOLT @24"OC (MIN 6" EMBED

NOTES:
1. FOR STEEL STUD AND TRACK TYPE, SEE PLANS, SECTIONS AND METAL STUD SIZE SCHEDULE.
2. FOR METAL STUD FASTENERS, SEE METAL STUD FASTENER SCHEDULE.

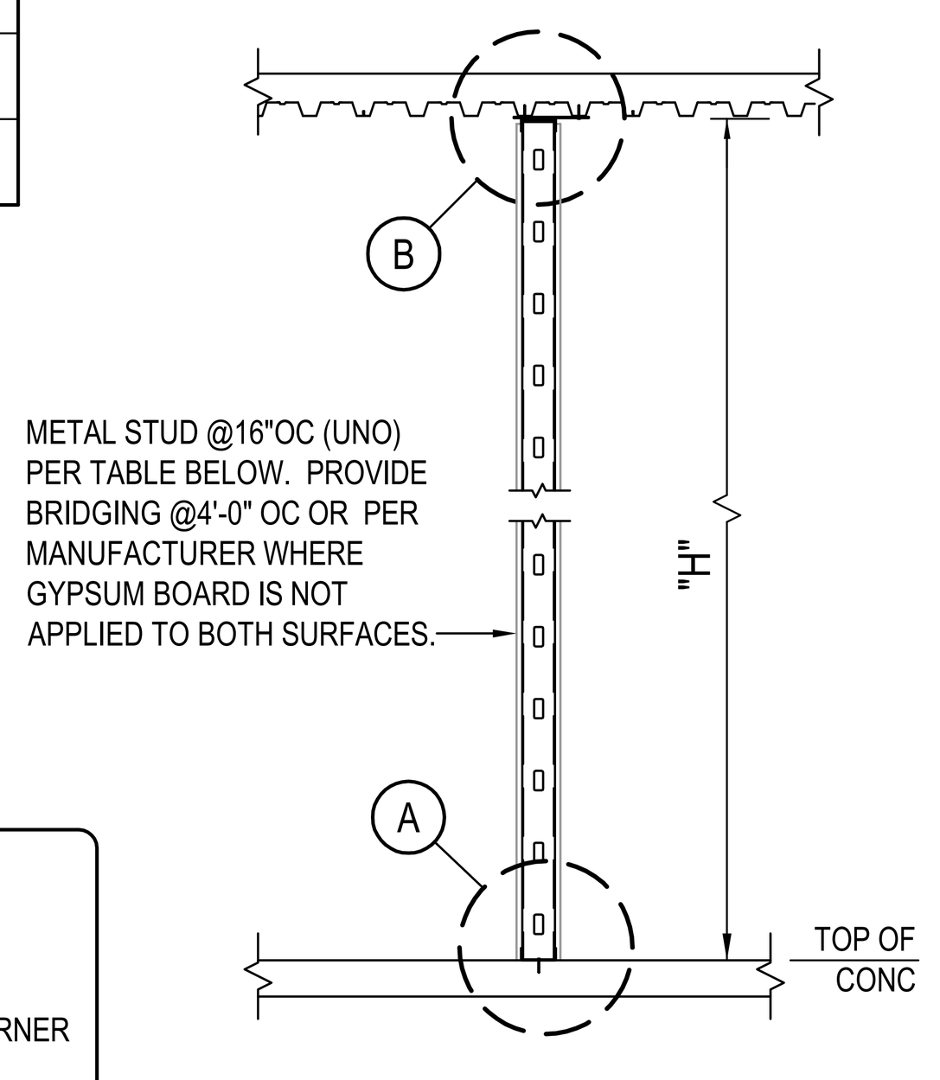
STUD TO SLAB DETAIL (A)



TYPICAL METAL STUD WALL ELEVATION

MAXIMUM ALLOWABLE HEIGHT ("H") SCHEDULE				
METAL STUD (S-STUD) SIZE (MIN1 5/8" FLANGE)				
GAUGE	4"	6"	8"	REMARKS
16	18'-0"	–	–	
18	17'-0"	–	–	
20	13'-0"	21'-0"	26'-0"	

NOTES:
1. MAXIMUM STUD HEIGHT "H" FOR STUDS @16"OC
2. SEE ARCHITECTURAL FOR OTHER CONDITIONS.
3. SEE ARCHITECTURAL FOR LOCATION OF CURB.
4. HILTI X-U LOW VELOCITY POWER DRIVEN FASTERNER SHALL BE PER ICC REPORT No. ESR 2269
5. ALL TRACKS SHALL BE 1 GAGE THICKER THAN STUDS WITH 1-1/2" FLANGE



TYPICAL METAL STUD WALL SECTION

(REV-1) METL-INTR-0001

TYPICAL INTERIOR NON-BEARING METAL STUD WALL CONSTRUCTION DETAILS | 1

REVISIONS

BY	DATE	DESCRIPTION
–	05/07/2015	Addendum 02
–	09/04/2015	Addendum 03
–	10/30/2015	Addendum 04
–	05/27/2016	Addendum 05

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710 WILSHIRE BOULEVARD
MIXED-USE HOTEL PROJECT
SANTA MONICA - CALIFORNIA, 90401

TYPICAL DETAILS, METAL STUD WALL CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER — SAIFUL C. BOUQUET — SE 4007 — EXP. 09/30/16 — STRUCTURAL — STATE OF CALIFORNIA

DRAWN –
CHECKED –
APPROVED –
SCALE NTS
SHEET S-051
DATE June 25, 2013
PROJECT NUMBER HLA 0000000–00000