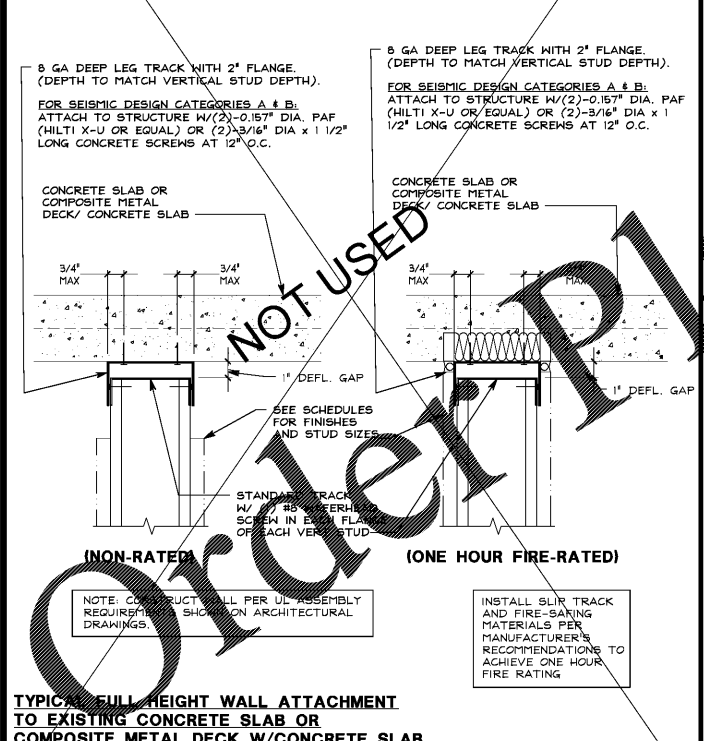


STEEL LINTEL DETAILS N.T.S. R

PRIOR TO DRILLING HOLES FOR ANCHOR INSTALLATION, CONTRACTOR SHALL LOCATE EXISTING STEEL REINFORCING WITH MAGNETIC METER OR OTHER NONDESTRUCTIVE TEST METHOD. SHIFT CONNECTIONS AS REQUIRED TO MISS REINFORCING.

NOTE: WHEN INSTALLING ANCHORS INTO CONCRETE, ANY DEGRADATED, SPALLING AND/OR DEFECTIVE CONCRETE ENCOUNTERED MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE STRUCTURAL ENGINEER FOR EVALUATION BEFORE CONTINUING WITH INSTALLATION OF THE CONNECTIONS.

NOTE: BEFORE INSTALLING ANCHORS, CONTRACTOR SHALL VERIFY WITH MALL MANAGEMENT THAT ATTACHMENT SHOWN IS ACCEPTABLE. CONTRACTOR MUST VERIFY WITH MALL MANAGEMENT THE ALLOWABLE DEPTH OF SCREW PENETRATION.



DEFLECTION TRACK SEISMIC DESIGN CATEGORIES A & B 3/8" = 1'-0" N

LIGHT GAUGE FRAMING - CROSS REFERENCE GUIDE

MIL. THICKNESS - GAUGE NUMBER CROSS REFERENCE

25 GA. ----- 18 MIL	16 GA. ----- 54 MIL
22 GA. ----- 27 MIL	14 GA. ----- 68 MIL
20 GA. ----- 33 MIL	12 GA. ----- 97 MIL
18 GA. ----- 43 MIL	

EXAMPLE CROSS REFERENCE:

3 5/8", 18 GA STRUCTURAL METAL STUD = 362 S 162 - 43 METAL STUD

STUD (S=STUD) DEPTH = 3.625" = 3 5/8"	FLANGE (T=TRACK) WIDTH THICKNESS = 1.625" = 1 5/8"
---------------------------------------	----------------------------------------------------

TYPICAL STRUCTURAL STUDS AND TRACKS

FORMER STANDARD DESIGNATION	NEW SSMA DESIGNATION (STEEL STUD MANUFACTURERS ASSOCIATION)
2 1/2", 20 GA. STUD w/ 1 5/8" FLANGE	250S162-33
2 1/2", 18 GA. STUD w/ 1 5/8" FLANGE	250S162-43
3 5/8", 20 GA. STUD w/ 1 5/8" FLANGE	362S162-33
3 5/8", 18 GA. STUD w/ 1 5/8" FLANGE	362S162-43
6", 20 GA. STUD w/ 1 5/8" FLANGE	600S162-33
6", 18 GA. STUD w/ 1 5/8" FLANGE	600S162-43
8", 18 GA. STUD w/ 1 5/8" FLANGE	800S162-43
8", 16 GA. STUD w/ 1 5/8" FLANGE	800S162-54
10", 18 GA. STUD w/ 1 5/8" FLANGE	1000S162-43
10", 16 GA. STUD w/ 1 5/8" FLANGE	1000S162-54
12", 16 GA. STUD w/ 1 5/8" FLANGE	1200S162-54
12", 12 GA. STUD w/ 1 5/8" FLANGE	1200S162-97
1 5/8", 22 GA. TRACK w/ 1 1/4" LEG	162T125-27
1 5/8", 20 GA. TRACK w/ 1 1/4" LEG	162T125-33
2 1/2", 20 GA. TRACK w/ 1 1/4" LEG	250T125-33
2 1/2", 20 GA. TRACK w/ 2" LEG	250T200-33
2 1/2", 18 GA. TRACK w/ 1 1/4" LEG	250T125-43
2 1/2", 18 GA. TRACK w/ 2" LEG	250T200-43
3 5/8", 20 GA. TRACK w/ 1 1/4" LEG	362T125-33
3 5/8", 20 GA. TRACK w/ 2" LEG	362T200-33
3 5/8", 18 GA. TRACK w/ 1 1/4" LEG	362T125-43
3 5/8", 18 GA. TRACK w/ 2" LEG	362T200-43
6", 20 GA. TRACK w/ 1 1/4" LEG	600T125-33
6", 20 GA. TRACK w/ 2" LEG	600T200-33
6", 18 GA. TRACK w/ 1 1/4" LEG	600T125-43
6", 18 GA. TRACK w/ 2" LEG	600T200-43

TYPICAL HAT (FURRING) CHANNELS

7/8", 25 GA. FURRING CHANNEL	087F125-18
7/8", 22 GA. FURRING CHANNEL	087F125-27

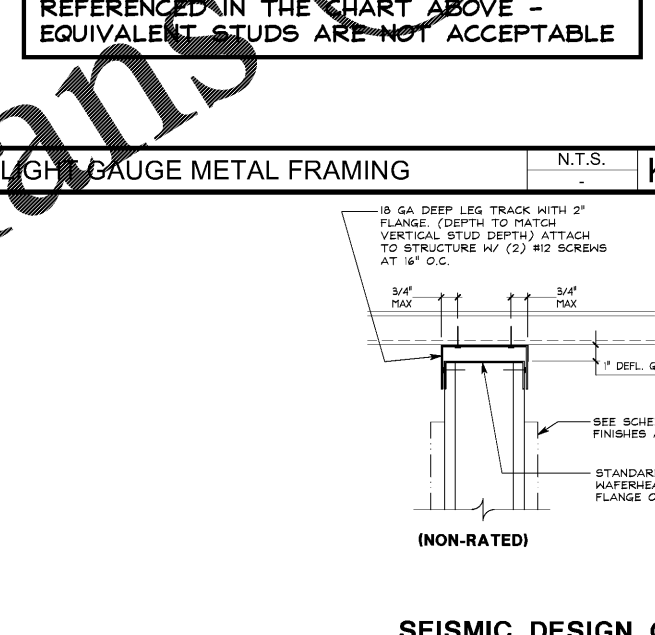
LIGHT GAUGE FRAMING SCREW CONNECTIONS

UNLESS NOTED, LIGHT GAUGE FRAMING CONNECTIONS SHALL BE MADE USING #8 SCREWS. SEE DETAIL A/II.3 FOR DIAGONAL BRACING CONNECTIONS.

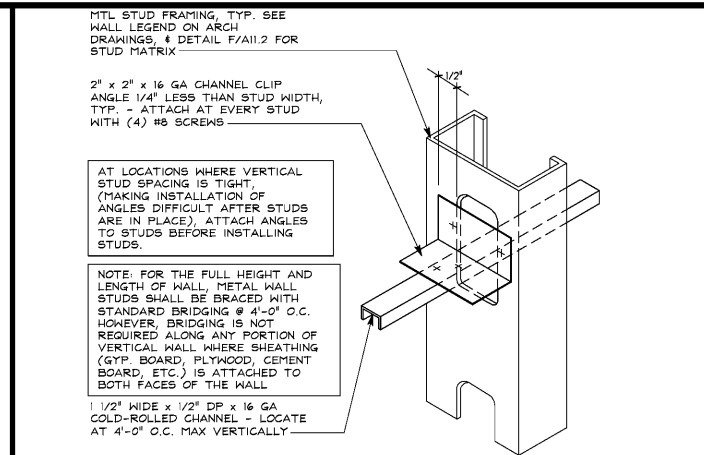
AT LOCATIONS WHERE SHEATHING MATERIAL IS PLACED AGAINST THE SCREW HEADS OF LIGHTGAUGE METAL FRAMING CONNECTIONS, PANCAKE HEAD SCREWS SHALL BE USED SO THAT THE SHEATHING MATERIAL REMAINS STRAIGHT AND SMOOTH.

NOTE: G.C. TO USE ONLY STUDS REFERENCED IN THE CHART ABOVE - EQUIVALENT STUDS ARE NOT ACCEPTABLE

LIGHT GAUGE METAL FRAMING N.T.S. K



DEFLECTION TRACK - WALL ATTACHMENT TO EXISTING METAL DECK SEISMIC DESIGN CATEGORIES A & B 3" = 1'-0" E



LIMITING HEIGHTS FOR INTERIOR METAL STUD PARTITIONS SALES PARTITIONS WITH SHELVING ATTACHED SEISMIC DESIGN CATEGORIES A AND B

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT TO DIAGONAL BRACE
362S162-33	3-5/8"	1-5/8"	20	16"	15'-0"
362S162-43	3-5/8"	1-5/8"	18	16"	16'-0"
362S162-54	3-5/8"	1-5/8"	16	16"	17'-0"

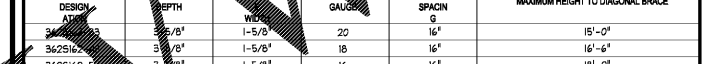
LIMITING HEIGHTS FOR INTERIOR METAL STUD PARTITIONS NON-SALES PARTITIONS WITH SHELVING ATTACHED SEISMIC DESIGN CATEGORIES A AND B

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT TO DIAGONAL BRACE
362S162-33	3-5/8"	1-5/8"	20	16"	15'-0"
362S162-43	3-5/8"	1-5/8"	18	16"	16'-0"
362S162-54	3-5/8"	1-5/8"	16	16"	17'-0"

LIMITING HEIGHTS FOR INTERIOR METAL STUD PARTITIONS NON-SALES PARTITIONS WITHOUT SHELVING ATTACHED SEISMIC DESIGN CATEGORIES A & B

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM HEIGHT TO DIAGONAL BRACE
362S162-33	3-5/8"	1-5/8"	20	16"	15'-0"
362S162-43	3-5/8"	1-5/8"	18	16"	16'-0"
362S162-54	3-5/8"	1-5/8"	16	16"	17'-0"

NOTE: AT LOCATIONS WHERE A STUD WALL SUPPORTS BOTH SALES AND NON-SALES SHELVING, THE STUDS SHOWN IN THE TABLE BELOW SHALL BE "DOUBLED UP" AS FOLLOWS:

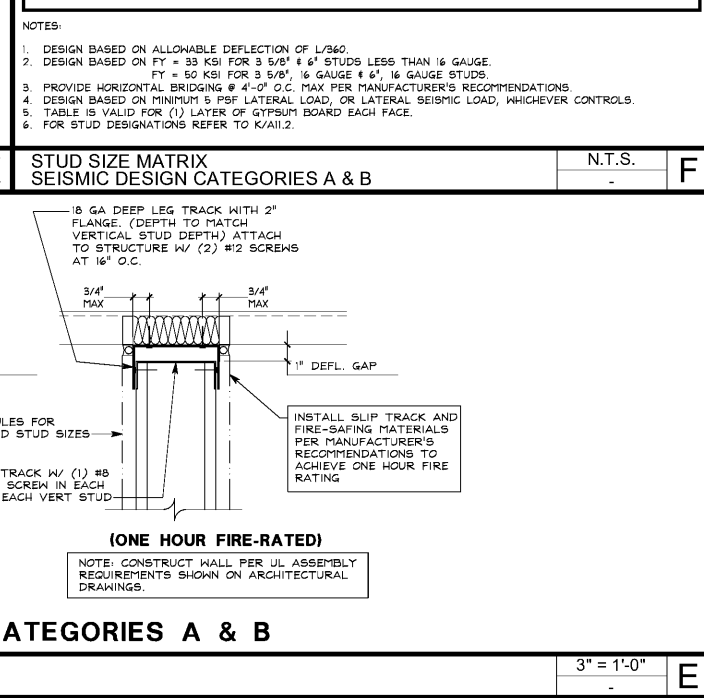


IN ADDITION, THE SPACING OF THE TOP AND BOTTOM WALL TRACK CONNECTIONS TO THE EXISTING STRUCTURE SHALL BE REDUCED TO 6" O.C. MAX., AND DIAGONAL SPACING SHALL BE REDUCED TO 32" O.C.

STUD SIZE MATRIX SEISMIC DESIGN CATEGORIES A & B N.T.S. F

NOTES:

- DESIGN BASED ON ALLOWABLE DEFLECTION OF L/360.
- DESIGN BASED ON FY = 33 KSI FOR 3 5/8" & 6" STUDS LESS THAN 16 GAUGE. FY = 50 KSI FOR 3 5/8", 16 GAUGE & 6", 16 GAUGE STUDS.
- PROVIDE HORIZONTAL BRIDGING @ 4'-0" O.C. MAX PER MANUFACTURER'S RECOMMENDATIONS.
- DESIGN BASED ON MINIMUM 5 PSF LATERAL LOAD, OR LATERAL SEISMIC LOAD, WHICHEVER CONTROLS.
- TABLE IS VALID FOR (1) LAYER OF GYPSUM BOARD EACH FACE.
- FOR STUD DESIGNATIONS REFER TO K/II.2.



LIGHT GAUGE BOX COLUMN DETAIL 3" = 1'-0" A

OWNER: UNTUCKIT SHIRTS DESIGNED TO BE WORN UNTUCKED. 110 GREENE STREET SUITE 400 DURHAM, NC 27701

ARCHITECT/ENGINEER: SHREMSHOCK Architects, Inc. North Carolina Reg. License Number: 152014 www.shremshock.com

7400 W. Campus Rd. Ste. 150 New Albany, OH 43054 License Number: 152014 T: 614 545 4550 F: 614 545 4550

STORE NO: -

PROJECT LOCATION: THE STREETS AT SOUTHPOINT 6910 FAYETTEVILLE RD DURHAM, NC 27713

DESIGN TYPE: -

REVISIONS:

REQUIRED BY: DATE

DRAWN BY: REC CHECKED BY: ELM

Bid Set TRCI 04.10.18

DRAWING TITLE: FRAMING DETAILS

DATE ISSUED: 03/30/2018

PROJECT NO: 180088

DRAWING NO: A11.2