LIGHT GAGE FRAMING - CROSS REFERENCE GUIDE

MIL THICKNESS - GAGE NUMBER CROSS REFERENCE

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

EXAMPLE CROSS REFERENCE:

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

STUD DEPTH	(S=STUD) (T=TRACK)	FLANGE WIDTH	STUD THICKNESS
=3.625" =3 5/8"		=1.625" =1 5/8"	=43 MIL (18 GA.)

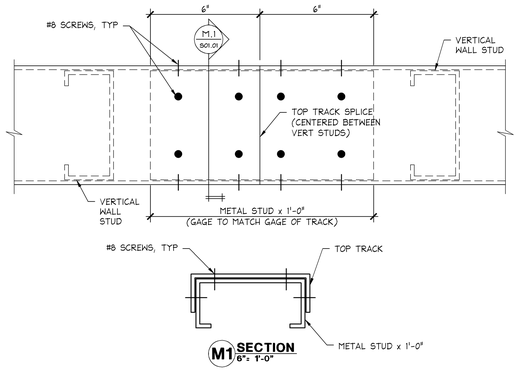
TYPICAL STRUCTURAL STUDS AND TRACKS

FORMER STANDARD DESIGNATION	NEW SSMA DESIGNATION (STEEL STUD MANUFACTURERS ASSOCIATION)
2 1/2", 20 GA. STUD w/ 1 5/8" FLANGE 2 1/2", 18 GA. STUD w/ 1 5/8" FLANGE	250S162-33 250S162-43
3 5/8", 20 GA. STUD w/ 1 5/8" FLANGE 3 5/8", 18 GA. STUD w/ 1 5/8" FLANGE	362S162-33 362S162-43
6", 20 GA. STUD w/ 1 5/8" FLANGE 6", 18 GA. STUD w/ 1 5/8" FLANGE	600S162-33 600S162-43
8", 18 GA. STUD w/ 1 5/8" FLANGE 8", 16 GA. STUD w/ 1 5/8" FLANGE	800S162-43 800S162-54
10", 18 GA. STUD w/ 1 5/8" FLANGE 10", 16 GA. STUD w/ 1 5/8" FLANGE	1000S162-43 1000S162-54
12", 16 GA. STUD w/ 1 5/8" FLANGE 12", 12 GA. STUD w/ 1 5/8" FLANGE	1200S162-54 1200S162-97
1 5/8", 22 GA. TRACK w/ 1 1/4" LEG 1 5/8", 20 GA. TRACK w/ 1 1/4" LEG	162T125-27 162T125-33
2 1/2", 20 GA. TRACK w/ 1 1/4" LEG 2 1/2", 20 GA. TRACK w/ 2" LEG 2 1/2", 18 GA. TRACK w/ 1 1/4" LEG 2 1/2", 18 GA. TRACK w/ 2" LEG	250T125-33 250T200-33 250T125-43 250T200-43
3 5/8", 20 GA. TRACK w/ 1 1/4" LEG 3 5/8", 20 GA. TRACK w/ 2" LEG 3 5/8", 18 GA. TRACK w/ 1 1/4" LEG 3 5/8", 18 GA. TRACK w/ 2" LEG	362T125-33 362T200-33 362T125-43 362T200-43
6", 20 GA. TRACK w/ 1 1/4" LEG 6", 20 GA. TRACK w/ 2" LEG 6", 18 GA. TRACK w/ 1 1/4" LEG 6", 18 GA. TRACK w/ 2" LEG	600T125-33 600T200-33 600T125-43 600T200-43
TYPICAL HAT (FURRING) CHANNELS	
7/8", 25 GA. FURRING CHANNEL 7/8", 22 GA. FURRING CHANNEL	087F125-18 087F125-27

LIGHT GAGE FRAMING SCREW CONNECTIONS

UNLESS NOTED, LIGHT GAGE FRAMING CONNECTIONS SHALL BE MADE USING #8 SCREWS. SEE DETAIL A/S03.01 FOR DIAGONAL BRACING CONNECTIONS.

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



TOP TRACK SPLICE — 6" = 1'-0" — 00D-S011-M00-DET — **M** 08.15.011

STRUCTURAL NOTES:

A. CONTROLLING BUILDING CODE: 2012 NORTH CAROLINA STATE BUILDING CODE
SEISMIC DESIGN CATEGORY 'C'

B. LIGHT GAGE FRAMING (SEISMIC DESIGN CATEGORIES C, D, E & F)

1. COLD FORMED STEEL FRAMING SHALL CONFORM TO REQUIREMENTS OF THE LATEST EDITION OF AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. ALL MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL MEETING ASTM A653-94, AND THEN ZINC COATED PER ASTM A525, GRADE G-90.
3. ALL COLD FORMED MEMBERS SHALL COME FROM A SINGLE MANUFACTURER, "CLARK" OR EQUAL. THE INSTALLATION SHALL COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. UNLESS NOTED, TRACK GAGE SHALL EQUAL STUD GAGE AND TRACK FLANGE WIDTH SHALL EQUAL 1 1/4". DEEP LEG TRACK WITH 2" FLANGE WIDTH SHALL BE USED WHERE NOTED ON DRAWINGS.
5. SEE DETAIL R/S01.01 FOR LIGHT GAGE METAL FRAMING DESIGNATIONS.
6. BASE TRACKS SHALL BE SET ON SMOOTH AND LEVEL CONCRETE OR NON-SHRINK GROUT SUCH AS "MASTERFLOW 713" BY MASTER BUILDERS.
7. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING CADMIUM PLATED OR ZINC COATED SCREWS (UNLESS NOTED). SCREWS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION.

   SEE DETAIL R/S01.01 FOR ADDITIONAL SCREW REQUIREMENTS.
8. SPLICES IN FRAMING COMPONENTS OTHER THAN BOTTOM WALL TRACK ARE NOT PERMITTED.
9. STUDS SHALL BE INSTALLED SO THE ENDS ARE POSITIONED AGAINST THE INSIDE OF THE RUNNER TRACK WEB PRIOR TO FASTENING AND SHALL BE ATTACHED TO BOTH FLANGES OF THE UPPER AND LOWER RUNNER TRACKS, WITH (1)-#8 SCREW IN EACH FLANGE OF EACH STUD, UNLESS NOTED.

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LIGHT GAGE METAL FRAMING (SEISMIC DESIGN CATEGORIES C, D, E & F)

- | 05A-S011-R01-NOTE — **R** 08.15.011

NOT USED

- | - — **L**

STRUCTURAL SPECIFICATIONS

-- | -- — **C** 08.15.011

TABLE 1
STUD SIZE MATRIX FOR ALL INTERIOR PARTITIONS EXCEPT AS NOTED IN TABLES 2 & 3

SEISMIC DESIGN CATEGORY C.

STUD DESIGNATION	STUD DEPTH	FLANGE WIDTH	STUD GAUGE	STUD SPACING	MAXIMUM WALL HEIGHT SPANNING FROM FLOOR TO DECK
362S162-33	3 5/8"	1 5/8"	20	16"	22'-0"
362S162-43	3 5/8"	1 5/8"	18	16"	25'-0"
362S162-54	3 5/8"	1 5/8"	16	16"	28'-0"
600S162-33	6"	1 5/8"	20	16"	30'-0"
600S162-43	6"	1 5/8"	18	16"	35'-0"
600S162-54	6"	1 5/8"	16	16"	38'-0"

TABLE 2
STUD SIZE MATRIX FOR VSBEAUTY CABINET AND PINK CABINET WALLS

SEISMIC DESIGN CATEGORY C.

FULL HEIGHT VERTICAL STUDS SHALL BE 3 5/8", 20 GA STUDS (WITH 1 5/8" FLANGE) @ 16" O.C. MAX. INSTALL DIAGONAL BRACING AT APPROXIMATELY 11'-6" A.F.F. AS SHOWN IN THESE SECTIONS

TABLE 3
STUD SIZE MATRIX FOR PARTITIONS THAT LATERALLY SUPPORT FLOOR MOUNTED STOCKROOM SHELVING

SEISMIC DESIGN CATEGORY C.

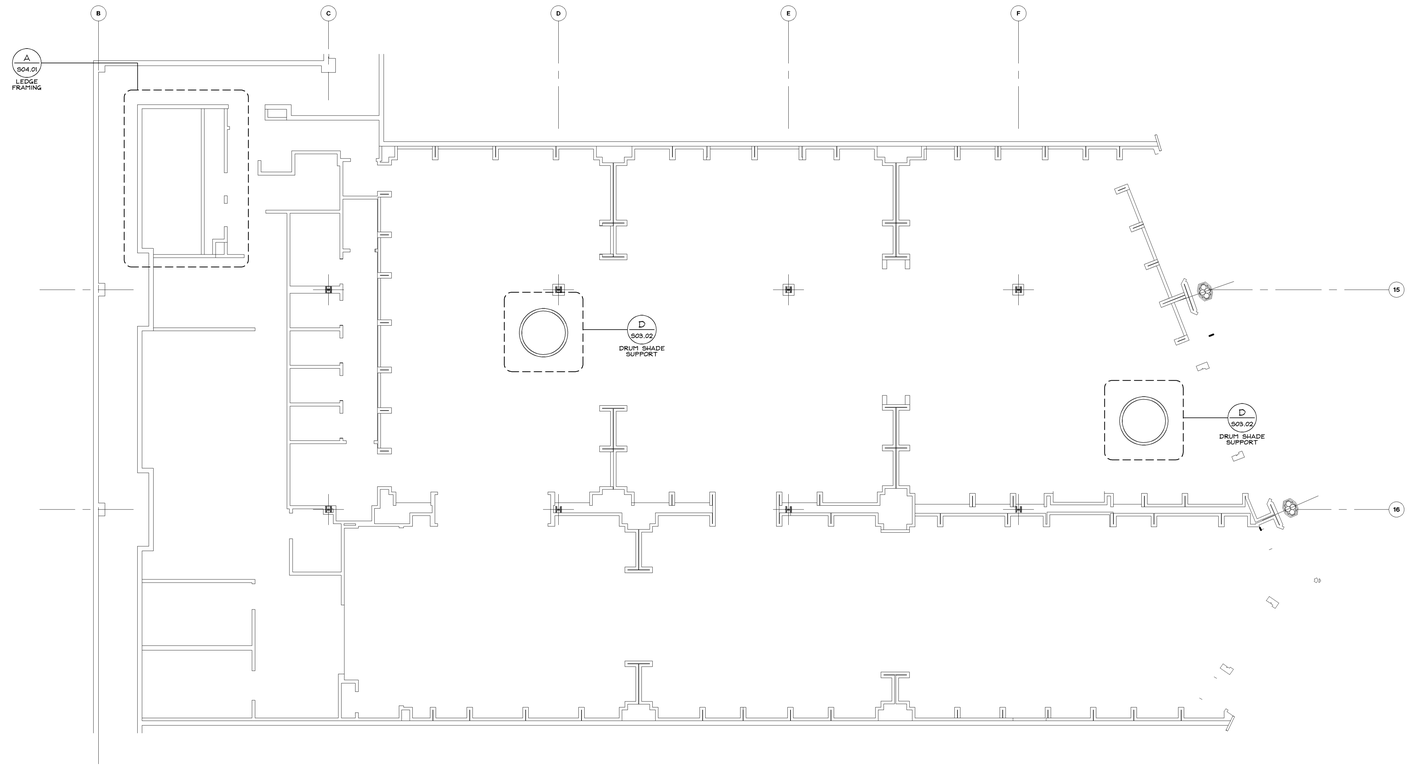
SEE DRAWING S03.02

NOTE: FOR ALL THREE TABLES ABOVE, AT LOCATIONS WHERE SHELVING OCCURS ON EACH SIDE OF A SINGLE STUD WALL, REDUCE THE STUD SPACING SHOWN IN THE TABLES ABOVE BY ONE-HALF, AND REDUCE THE DIAGONAL SPACING SHOWN IN DETAIL A/S03.01 BY ONE-HALF.

NOTES:
1. DESIGN BASED ON ALLOWABLE DEFLECTION OF L/200.
2. 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.
3. PROVIDE HORIZONTAL BRIDGING PER DETAIL R/S03.01.
4. DESIGN BASED ON MINIMUM 5 PSF LATERAL LOAD, OR LATERAL SEISMIC LOAD, WHICHEVER CONTROLS.
5. TABLE IS VALID FOR UP TO (2) LAYERS OF 5/8" THK GYPSUM BOARD ON EACH SIDE OF METAL STUDS.

STUD SIZE MATRIX (SEISMIC DESIGN CATEGORY C)

- | 05A-S011-N02-NOTE — **N** 08.15.011



LOCATION PLAN

1/8" = 1'-0" | - — **A** 04.24.012

PROJECT INFORMATION:
VICTORIA'S SECRET
CAROLINA PLACE
11025 CAROLINA PLACE PKWY
SPACE B-14
PINEVILLE, NC 28134

SCOPE: REFRESH | PACKAGE: PKG II
DESIGN TYPE: GENERAL | RENDERING 2013 (R13ISa)/1442Fa
LS/A&C PROJECT #: NMA/ANGELS 00059286 | A/E PROJECT #: 2007664009

010500485

REVISIONS:

REQUIRED BY:	DATE

ELITE CONSTRUCTION GROUP
LAKE JACKSON, TX
PHONE: 979-285-0712
NOTE: THESE PRINTS HAVE BEEN REDUCED BY 50 PERCENT. SCALE WILL BE 50 PERCENT OF WHAT IS NOTED ON PLANS

DATE ISSUED: 9/26/14
DESIGNED BY: TBA
DRAWN BY: TBA
CHECKED BY: DJS

STRUCTURAL SPECIFICATIONS AND NOTES

DRAWING NUMBER:
S01.01