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

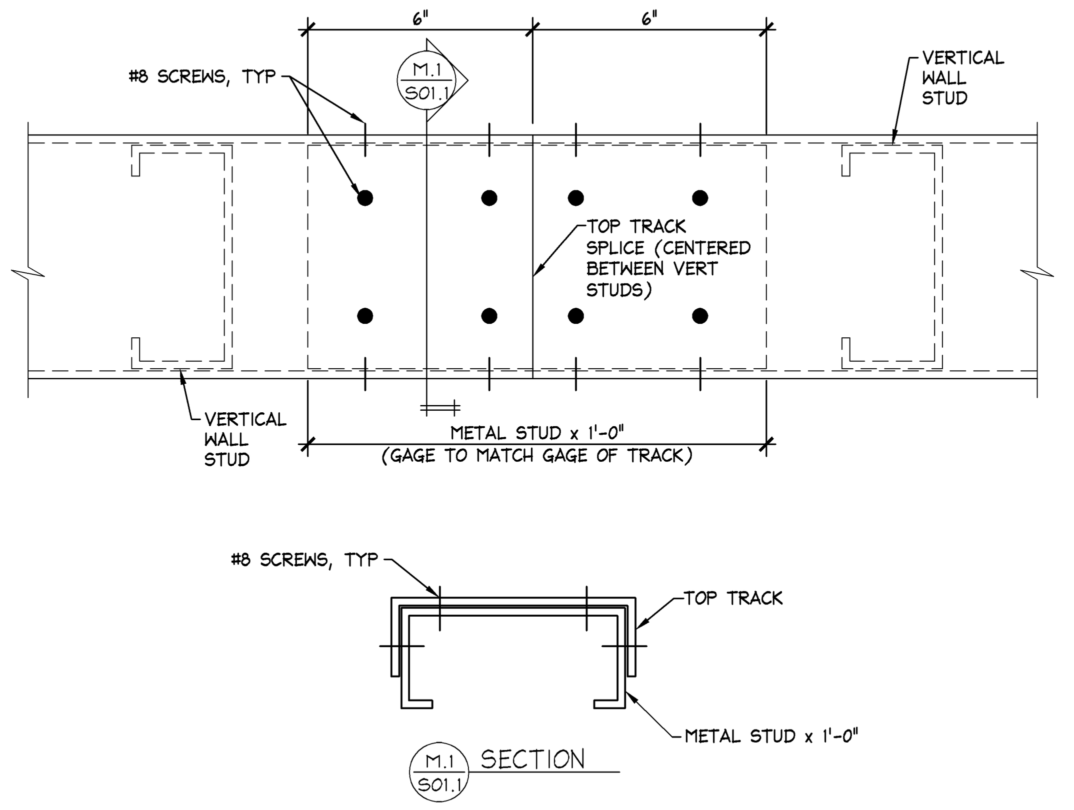
7/8", 25 GA. FURRING CHANNEL	087F125-18
7/8", 22 GA. FURRING CHANNEL	087F125-27

LIGHT GAGE FRAMING SCREW CONNECTIONS

UNLESS NOTED, LIGHT GAGE FRAMING CONNECTIONS SHALL BE MADE USING #8 SCREWS. SEE DETAIL A/S03.1 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.

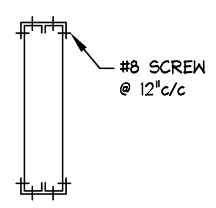
LIGHT GAGE METAL FRAMING -- -- R



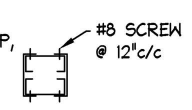
TOP TRACK SPLICE N.T.S. 42DS011MODETL M

CODED NOTES:

1. NOT USED
2. HSS8x4x1/4 BEAM
3. HSS12x4x1/4 BEAM
4. DBL 12" DP, 12 GA BEAM WITH 3 5/8", 12 GA TRACK TOP & BOTTOM. (PROVIDE 14 GA WEB STIFFENER AT ALL BEAM BEARING POINTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.)



5. HSS4x4x1/4 COLUMN
6. BUILT-UP BOX COLUMN - DBL 3 5/8" DP, 18 GA STUDS WITH 3 5/8", 18 GA TRACK, EA SIDE. ATTACH BOX COLUMN TO BEAM PER DETAIL C/S03.1, UNLESS NOTED.



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CODED NOTES -- -- L

STRUCTURAL NOTES:

A. CONTROLLING BUILDING CODE: 2006 INTERNATIONAL BUILDING CODE
   - SEISMIC DESIGN CATEGORY 'A'
   - GROUND SNOW LOAD = 0 PSF
   - DESIGN ROOF LIVE(SNOW) LOAD = 20 PSF
   - DESIGN WIND SPEED = 110 MPH (3 SEC GUST) (PER HOUSTON AMENDMENT)
   - WIND EXPOSURE CATEGORY = C

B. LIGHT GAGE FRAMING

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 (GRADE 33 UNLESS OTHERWISE SPECIFIED) AND THEN ZINC COATED PER ASTM A653-94, GRADE G-60.
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/S01.1 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/S01.1 FOR ADDITIONAL SCREW REQUIREMENTS.
8. SPLICES IN FRAMING COMPONENTS OTHER THAN BOTTOM WALL TRACK ARE NOT PERMITTED, EXCEPT AS SPECIFICALLY DETAILED IN STRUCTURAL DRAWINGS. SEE DETAIL M/S01.1 FOR TOP TRACK SPLICE DETAIL.
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.

C. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.01. WELDING ELECTRODES SHALL BE E70XX, LOW HYDROGEN.
3. STRUCTURAL STEEL ANGLES, PLATES, ETC., SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, FY = 36 KSI.

D. SPECIAL INSPECTIONS

SPECIAL INSPECTION SHALL BE COORDINATED AND PAID FOR BY THE OWNER. SPECIAL INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTROLLING BUILDING CODE FOR THE FOLLOWING ITEMS:

1. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
   a. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED CONSTRUCTION DOCUMENTS.
   b. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE.
   c. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
   d. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND ARCHITECT OF RECORD PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
2. STRUCTURAL STEEL
   a. MATERIAL VERIFICATION OF STRUCTURAL STEEL (PERIODIC)
   b. MATERIAL VERIFICATION OF WELD FILLER MATERIALS (PERIODIC)
   c. VISUAL INSPECTION OF FIELD WELDS:
      - ALL FILLET WELDS (PERIODIC)
   d. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS. (PERIODIC)

STRUCTURAL SPECIFICATIONS -- -- C

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

SEISMIC DESIGN CATEGORIES A, B & 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 UNIT 1 & UNIT 5 CABINET WALLS

SEISMIC DESIGN CATEGORIES A, B & 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 CATEGORIES A, B & C.

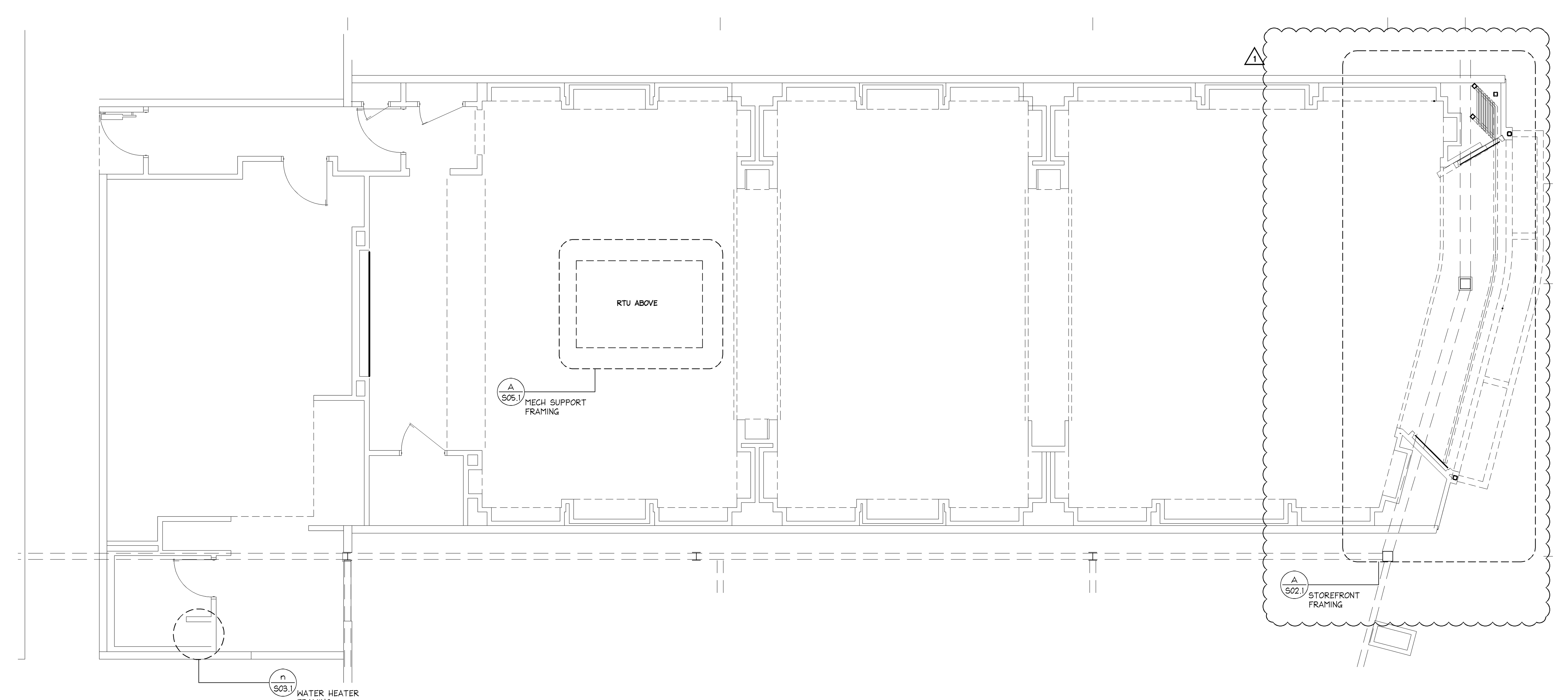
SEE DRAWING S03.2

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/S03.1 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 @ 5'-0" O.C. MAX. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
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.

SEISMIC DESIGN CATEGORIES A, B & C.

STUD SIZE MATRIX NONE 42DA121N0MATX N



LOCATION PLAN -- -- A

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responsive architecture
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Phone: (614) 461-4664 Fax: (614) 280-8881 www.moodynolan.com

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SUITE 600
COLUMBUS, OHIO 43215
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CORPORATE REGISTRATION
No. F-002728

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PROJECT INFORMATION: 024200396

BATH & BODY WORKS
MEMORIAL CITY MALL
303 MEMORIAL CITY WAY
SUITE 733
HOUSTON, TX 77024

SCOPE:	RELO DWN / NEW	PACKAGE:	1
DESIGN TYPE:	EASTON-G	GENERATION:	141Sa
LSD&C PROJECT #:	60685	A/E PROJECT #:	13643

REVISIONS:

REQUIRED BY:	DATE
1 STOREFRONT REVISION - REV 1	6/10/2014

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: 04/11/2014
DESIGNED BY: SLH
DRAWN BY: RLA
CHECKED BY: GDK

STRUCTURAL SPECIFICATIONS AND NOTES

DRAWING NUMBER: S01.1

S011