1-5/8" WIDE WITH 1-5/16" AND 1-7/16" LEGS

HAVING A 1/4" FOLDED FLANGE, FABRICATED

1-5/8" WIDE WITH 1-5/16" AND 1-7/16" LEGS -

HAVING A 1/4" FOLDED FLANGE, FABRICATED

FROM NO. 25 MSG GALV STEEL. LENGTH TO

FOR I HOUR RATING, 5/8" THICK, TYPE 'X' -

GYPSUM WALLBOARD, FOR ATTACHING

FIRST LAYER OF TYPE "X" WALLBOARD

TO STEEL STUDS WITH NO. 6 BY I" LONG

SELF-TAPPING DOUBLE LEAD SCREWS

SPACED 24" o/c FOR ATTACHING TOTAL

PHILLIPS HEAD SELF-DRILLING,

G.W.B. THICKNESS IS 5/8" MIN.

CORNER BEADS NO. 28 MSG GALV.

STEEL I-1/4" LEGS. ATTACHED TO

GYPSUM BOARD WITH NO. 6 BY I"

WELDED WIRE FABRIC

6x6 -WI.4xWI.4

SCREWS SPACED 12" o/c MAXIMUM

STEEL COLUMN, REFER TO STRUCTURAL

DRAWINGS FOR ACTUAL SIZE, MIN. TS 8x8x.250

I HR RATED TUBE STEEL COLUMN

FIRE RATING: I HR. DESIGN: UL# X528

- STEEL BEAM REFER TO

W8X28 MIN. SIZE.

STRUCTURALS FOR SIZE

GALV. FLUTED UNITS

FOR HANGER WIRE ATTACHMENT

CEILING INSTALLATION.

BOTTOM FLANGE

- HANGER CLIPS - MIN. .045" THICK (18 GAUGE) GALV

MAIN RUNNERS CHICAGO METALLIC CORP. NOMINAL IO OR 12 FT

LIGHT FIXTURES, INSTALLED PERPENDICULAR TO MAIN RUNNERS.

THE CROSS TEES OR CROSS CHANNELS MAY BE RIVETED OR

WALL ANGLE OR CHANNEL 24 MSG PAINTED OR GALV. STEEL

ANGLE WITH I" LEGS OR CHANNEL WITH I 1/2" DEEP WITH 15/16"

SCREWED TO THE WALL ANGLE OR CHANNEL TO FACILITATE THE

CROSS CHANNEL NOMINAL 4 FT LONG, INSTALLED PERPENDICULAR

TO MAIN RUNNERS, SPACED 24" O.C. WHEN BATTS AND BLANKETS

CROSS TEES NOMINAL 4 FT LONG, I-1/2" WIDE FACE INSTALLED AT

SPACED 24" O.C. ADDITIONAL CROSS TEES OR CROSS CHANNELS

USED AT 8" FROM EACH SIDE OF BUTTED WALLBOARD END JOINTS.

LONG , I-I/2" WIDE FACE, SPACED 4'-0" O.C.

ARE USED CROSS CHANNELS SPACED 16" O.C.

STEEL 2" WIDE 3 1" LONG. SPACED AS REQUIRED

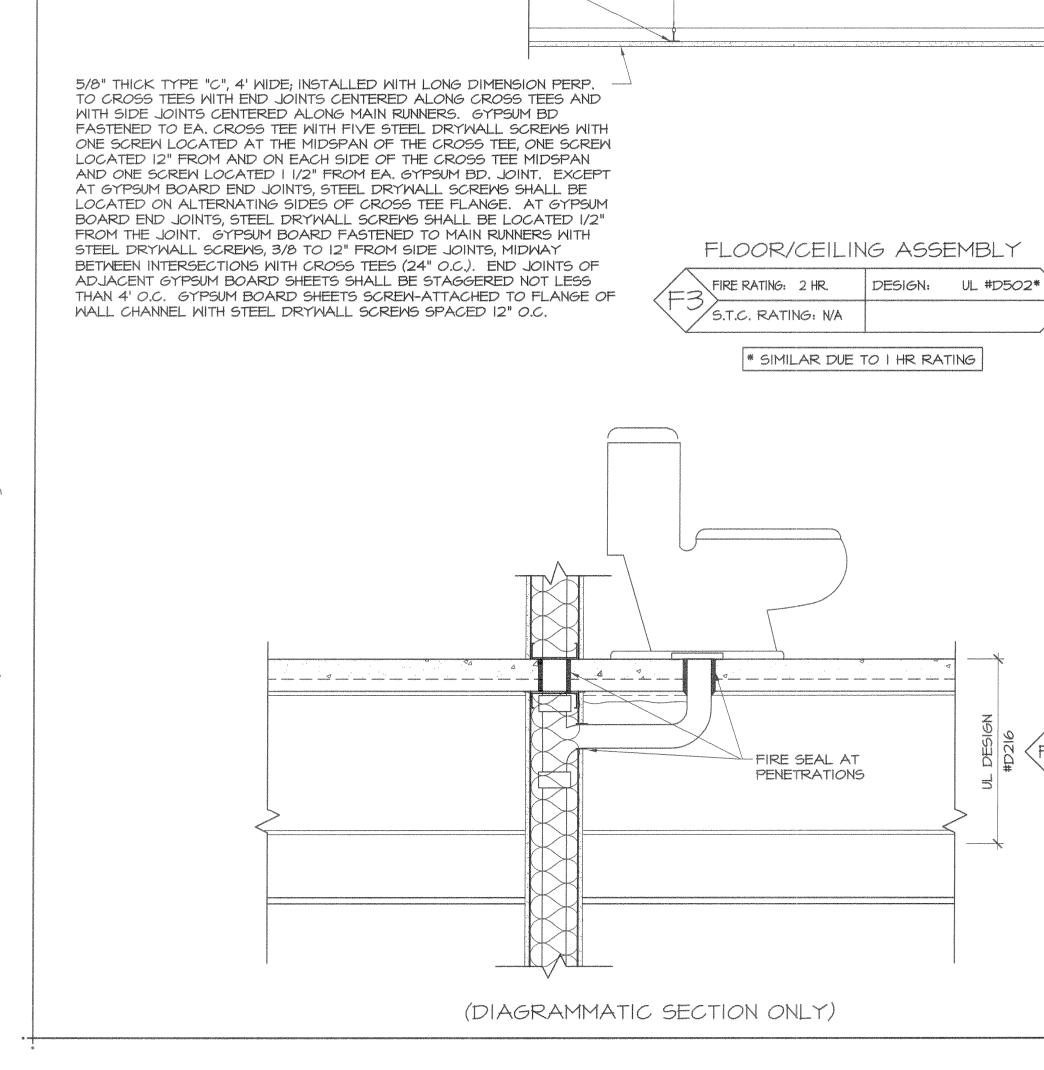
S.T.C. RATING: N/A CORNER DTL. 'A'

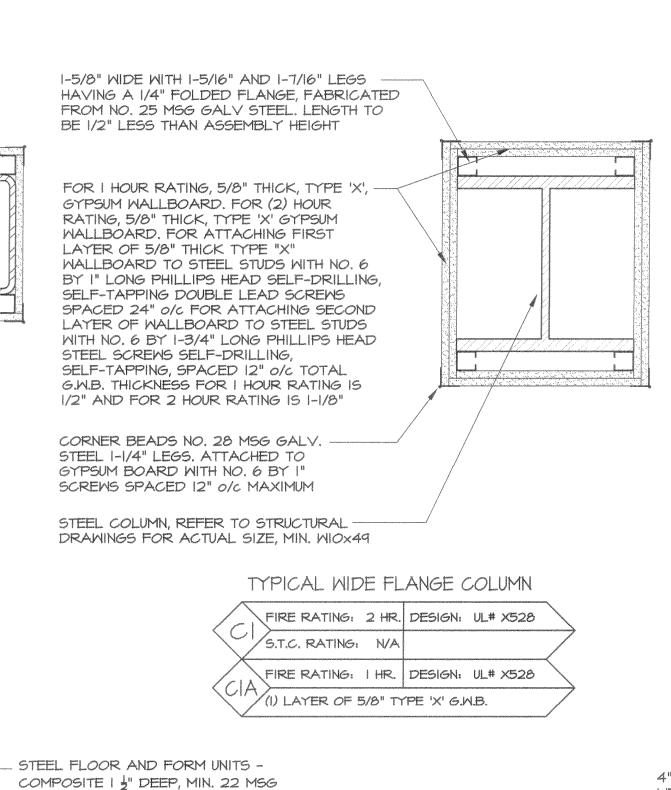
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FIRE RATING: I HR. DESIGN: UL# X528

S.T.C. RATING: N/A CORNER DTL. 'B'

BE 1/2" LESS THAN ASSEMBLY HEIGHT





- STEEL BEAM REFER TO STEEL FLOOR AND FORM UNITS -- WELDED WIRE FABRIC 4" 3000 PSI NORMAL. STRUCTURALS FOR SIZE COMPOSITE | 1 DEEP, MIN. 22 MSG 6×6 -WI.4×WI.4 WEIGHT (150 PCF) CONC. W8XI5 MIN. SIZE. GALV. FLUTED UNITS HANGER CLIPS - MIN. .045" THICK (18 GAUGE) GALV STEEL 2" WIDE 3 1" LONG. SPACED AS REQUIRED HANGER WIRE - NO 12 SWG GALV. STEEL-FOR HANGER WIRE ATTACHMENT ATTACHED TO HANGER CLIPS. HANGER WIRES SPACED AT 48" O.C. OR AT EVERY OTHER MAIN RUNNER/CROSS TEE INTERSECTION ALONG MAIN RUNNERS. ONE HANGER WIRE TO OCCUR AT ALL FOUR CORNERS OF LIGHT FIXTURES. ADDITIONAL HANGER WIRE REQUIRED AT THE MIDSPAN OF CROSS TEES RUNNING PARALLEL AND NEAREST TO THE WALLS AND NEAR THE END OF CUT CROSS TEES LONGER THAN 2 Ft. WHICH ABUT WALLS. MAIN RUNNERS NOMINAL 10 OR 12 FT LONG, 15/16" OR 1-1/2" WIDE FACE, SPACED 4'-0" O.C. CROSS TEES NOMINAL 4 FT LONG, I-1/2" WIDE FACE INSTALLED AT LIGHT FIXTURES, INSTALLED PERPENDICULAR TO MAIN RUNNERS, SPACED ACOUSTICAL MATERIAL - NOMINAL 5/8 OR 3/4 IN. THICK 24" O.C. ADDITIONAL CROSS TEES OR CROSS LAY-IN PANELS IN A NOMINAL PANEL SIZE. CHANNELS USED AT 8" FROM EACH SIDE OF BUTTED WALLBOARD END JOINTS. THE GROSS HOLD DOWN CLIPS - NO. 28 MSG SPRING STEEL, WHEN TEES OR CROSS CHANNELS MAY BE RIVETED CEILING IS COMPOSED OF NOMINAL 24 x 24 IN. LAY-IN OR SCREWED TO THE WALL ANGLE OR CHANNEL PANELS, ONE CLIP PLACED OVER THE BULB OF CROSS TO FACILITATE THE CEILING INSTALLATION. CROSS CHANNEL NOMINAL 4 FT LONG, INSTALLED TEE NEAR CROSS TEE MID POINT, WHEN CEILING IS COMPOSED OF 24 x 48 IN. LAY-IN PANELS, TWO CLIPS PERPENDICULAR TO MAIN RUNNERS, SPACED 24" FLOOR/CEILING ASSEMBLY PLACED OVER BULB OF EACH CROSS TEE NEAR CROSS O.C. WHEN BATTS AND BLANKETS ARE USED TEE QUARTER POINT. CROSS CHANNELS SPACED 16" O.C. FIRE RATING: 2 HR. DESIGN: UL #D216 WALL ANGLE OR CHANNEL 24 MSG PAINTED OR GALV. STEEL ANGLE WITH I" LEGS OR CHANNEL

S.T.C. RATING: WA

FLOOR/CEILING ASSEMBLY

DESIGN: UL #D216

FIRE RATING: I HR.

S.T.C. RATING: NA

WELDED WIRE FABRIC

6x6 -WI.4xWI.4

STEEL BEAM REFER TO

W8XI5 MIN. SIZE.

STRUCTURALS FOR SIZE

MANUFACTURER FLOOR CONSTRUCTION MATERIAL TYPE UL# CONCRETE SLAB MINERAL WOOD PACKING MATERIAL STEEL PIPE & CONDUIT FA 1005 TREMCO WITH FIRE SEALANT MINERAL WOOD PACKING MATERIAL FA IOI3 SCH. 40 PVC WITH MIN. 1/2" FIRE SEALANT MINERAL WOOD PACKING MATERIAL ML CABLES FA 3003 WITH MIN 1/2" FIRE SEAL ANT

UL PENETRATION SCHEDULE

4" 3000 PSI NORMAL

Pt. WHICH ABUT WALLS.

TEE QUARTER POINT.

WEIGHT (150 PCF) CONC.

HANGER WIRE - NO 12 SWG GALV. STEEL-

WIRES SPACED AT 48" O.C. OR AT EVERY

INTERSECTION ALONG MAIN RUNNERS. ONE

CORNERS OF LIGHT FIXTURES. ADDITIONAL

HANGER WIRE REQUIRED AT THE MIDSPAN

OF CROSS TEES RUNNING PARALLEL AND

END OF OUT CROSS TEES LONGER THAN 2

LAY-IN PANELS IN A NOMINAL PANEL SIZE.

ACOUSTICAL MATERIAL - NOMINAL 5/8 OR 3/4 IN. THICK

HOLD DOWN CLIPS - NO. 28 MSG SPRING STEEL. WHEN

CEILING IS COMPOSED OF NOMINAL 24 x 24 IN. LAY-IN

PANELS, ONE CLIP PLACED OVER THE BULB OF CROSS TEE NEAR CROSS TEE MID POINT, WHEN CEILING IS

COMPOSED OF 24 x 48 IN. LAY-IN PANELS, TWO CLIPS

PLACED OVER BULB OF EACH CROSS TEE NEAR CROSS

NEAREST TO THE WALLS AND NEAR THE

ATTACHED TO HANGER CLIPS. HANGER

HANGER WIRE TO OCCUR AT ALL FOUR

OTHER MAIN RUNNER/CROSS TEE

		MITTIN, 1/2 TIRL DLALANI		
WALL GYPSUM (GENERIC)				
	STEEL PIPE/COPPER 4"	2 LAYERS 5/8" (2 HOUR)	W.L. 1058 W.L. 1068	H ISOLATED
	PVC TO 2" PVC TO 6" CABLES CABLES 6" DIA. 28 GA. 3xIO 24 GA.	NO COLLAR W/COLLAR W/COLLAR (I) HOUR W/O COLLAR (2) HOUR ONE HOUR	M.L. 2098 M.L. 2078 M.L. 3045 M.L. 3047 7017 M.L. 7001 OR M.L. 7002	H H H H

GENERAL NOTES:

I. ALL PENETRATIONS THROUGH THE FIRE RATED ASSEMBLIES BOTH HORIZONTALLY AND VERTICALLY SHALL BE SEALED WITH FIREPROOFING MATERIALS TO MAINTAIN THE INTEGRITY OF THE ASSEMBLY RATING.

STEEL FLOOR AND FORM UNITS -

GALV. FLUTED UNITS

COMPOSITE 1 1 DEEP, MIN. 22 MSG

HANGER CLIPS - MIN. .045" THICK (18 GAUGE)

GALV STEEL 2" WIDE 3 1" LONG. SPACED AS

REQUIRED FOR HANGER WIRE ATTACHMENT

MAIN RUNNERS NOMINAL 10 OR 12 FT LONG,

15/16" OR 1-1/2" WIDE FACE, SPACED 4'-0" O.C.

CROSS TEES NOMINAL 4 FT LONG, I-1/2" WIDE

PERPENDICULAR TO MAIN RUNNERS, SPACED

24" O.C. ADDITIONAL CROSS TEES OR CROSS CHANNELS USED AT 8" FROM EACH SIDE OF

BUTTED WALLBOARD END JOINTS. THE CROSS

TEES OR CROSS CHANNELS MAY BE RIVETED

TO FACILITATE THE CEILING INSTALLATION.

O.C. WHEN BATTS AND BLANKETS ARE USED

CROSS CHANNELS SPACED 16" O.C.

OR SCREWED TO THE WALL ANGLE OR CHANNEL

<u>CROSS CHANNEL</u> NOMINAL 4 FT LONG, INSTALLED

PERPENDICULAR TO MAIN RUNNERS, SPACED 24"

WALL ANGLE OR CHANNEL 24 MSG PAINTED OR

GALV. STEEL ANGLE WITH I" LEGS OR CHANNEL

WITH I I/2" DEEP WITH 15/16" BOTTOM FLANGE

WITH I 1/2" DEEP WITH 15/16" BOTTOM FLANGE

FACE INSTALLED AT LIGHT FIXTURES, INSTALLED

2. WHERE A TESTING LAB DESIGN NUMBER IS DESIGNATED (i.e., UL, GYPSUM ASSOC., ETC.), PARTITIONS MUST BE CONSTRUCTED IN STRICT ACCORDANCE W/THE TESTED DESIGN ASSEMBLY. REFER TO THE TESTING LABORATORY'S DIRECTORY (I.E., UL FIRE RESISTANCE DIRECTORY - 2006 OR GYPSUM ASSOC. FIRE RESISTANCE DESIGN MANUAL - 17TH EDITION) FOR DETAILS ON MATERIALS AND FASTENER REQUIREMENTS.

3. REFER TO TESTING AGENCY REFERENCED FOR FASTENING CRITERIA AND BACK BLOCKING OF G.W.B. JOINTS. ALL JOINTS AND SCREW HEADS FINISHED.

4. COORDINATE LOCATIONS OF WIRING AND PLUMBING WITHIN

THE FRAMING.

5. ELECTRICAL BOXES LOCATED ON OPPOSITE SIDES OF WALL OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES. THE MINIMUM SEPARATION DISTANCE BETWEEN BOXES MAY BE REDUCED WHEN "WALL OPENING PROTECTIVE MATERIALS" (CLIV) ARE INSTALLED ACCORDING TO THE REQUIREMENTS OF THEIR CLASSIFICATION. THE SURFACE AREA OF THE INDIVIDUAL BOXES SHALL NOT EXCEED 16 SQ. IN. THE AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQ. IN. PER 100 SQ. FT. OF WALL SURFACE.

6. REFER TO SPECIFICATIONS FOR THROUGH PENETRATION FIRE STOP SYSTEMS.

DO NOT SCALE DRAWING. USE WRITTEN DIMENSIONS. WHERE NO WRITTEN DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

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PROJECT ARCHITECT:

DRAWN BY:

PROIECT #:

SO

300506

ASSEMBLIES

COLUMN

/CEILING

FLOOR/