

CHILDRENS HOSPITAL OF ORANGE COUNTY Interior Jamb Schedule @ Fire Rated Walls (1—Hour) Use at walls with (1) One Layer 5/8" drywall [full height] (each side) Hospital Design Loads Package, Minimum (54 mil) 50 KSI 16 gauge selections BUILDING CODE COMPLIANCE: IBC 2006, CBC 2007 - Title 24 DESIGN LOADS: Site Class D, Seismic Design Category "D" I=1.5 (HOSPITAL) - SDS=0.919 - DEFLECTION L/240 UPDATED 1.27.10 ALL MATERIALS 16 GAUGE / 50 KSI OR GREATER INTERIOR METAL STUD WALLS JAMB SCHEDULE Wall Width Stud Size >>> > INTERIOR OPENING SPAN >>>> 0" to 2'-8" | 2'-9" to 4'-6" | 4'-7" to 6'-6" | 6'-7" to 8'-6" | 8'-7" to 10'-6" | 10'-7" to 12'-0" 600S162-54 600S200-54 16'-1" TO 4" studs = 400 400S162-54 18'-0" | 6" studs = 600 | 600\$162-54 0'-0" TO 4" studs = 400 400S162-54 400S162-54 600S162-54 16'-0" | 6" studs = 600 | 600\$162-54

> 400S300-68 600S162-54

(2) 400S200-54 (2) 400S300-54 (2) 400S300-54 (2) 400S300-54 (2) 400S300-54

CHILDRENS HO	SPITAL OF O	RANGE COUNTY	<u> </u>					IL-072072-30
Interior Journal of the state o	amb Sch Two Layers 5/8" di	edule @ gwali [fuil height] (ed	Fire Rated	d Walls (2	-Hour)	gn Loads Package, Mini	mum (54 mil) 50 KSi	16 gauge selections
BUILDING CODE CO DESIGN LOADS: SIN I=1.5 (HOSPITAL)	e Class D, Seism	ic Design Category			1	UPDATED 1.27.10 ALL MATERIALS 16 (GAUGE / 50 KSI OR	GREATER
INTERIOR METAL ST	TUD WALLS				JAMB SCHE	DULE		
OPENING TYPE	Deck Height	Wall Width	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN
OPENING TIPE ((or less)	Stud Size	SSMA JAMB Selection	SSMA JAMB Selection	SSMA JAMB Selection	SSMA JAMB Selection	SSMA JAMB Selection	SSMA JAMB Selection
> > > INTER	IOR OPENING SPA	N > > >	0" to 2'-8"	2'-9" to 4'-6"	4'-7" to 6'-6"	6'-7" to 8'-6"	8'-7" to 10'-6"	10'-7" to 12'-0
Typ. Interior Door (or) Window JAMB	0'-0" TO 16'-0"	4" studs = 400 6" studs = 600	400S162-54 600S162-54	400\$300-54 600\$200-54	400S300-68 600S200-54	400S300-68 600S200-54	(2) 400S200-54 600S200-54	(2) 400S300-54 600S200-54
Typ. Interior Door (or) Window JAMB	16'-1" TO 18'-0"	4" studs = 400 6" studs = 600	400S162-54 600S162-54	400S300-68 600S200-54	(2) 400S200-54 600S200-54	(2) 400S300-54 600S200-54	(2) 400S300-68 600S200-54	(2) 400S300-68 600S300-54
Typ. interior MEP JAMB	0'-0" TO 16'-0"	4" studs = 400 6" studs = 600	400\$162-54 600\$162-54	400S300-54 600S162-54	400S300-68 600S162-54	400S300-68 600S162-54	(2) 400S200-54 600S162-54	(2) 400S300-54 600S162-54
Typ. Interior MEP JAMB	16'-1" TO 18'-0"	4" studs = 400 6" studs = 600	400\$162-54 600\$162-54	(2) 400S200-54 600S162-54	(2) 400S300-68 600S300-54	(2) 400S300-68 600S200-54	(2) 400S300-97 600S300-68	(2) 400S300-97 (2) 600S162-54

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BUILDING CODE CO DESIGN LOADS: Site I=1.5 (HOSPITAL) -	e Class D, Seism	006, CBC 2007 — ic Design Category DEFLECTION L/240	Title 24 "D"		1	UPDATED 1.27.10 ALL MATERIALS 16 (GAUGE / 50 KSI OR	GREATER
INTERIOR METAL ST	UD WALLS				HEADER SC	HEDULE		
OPENING TYPE	Deck Height	Wall Width	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWABLE SPAN	ALLOWAE SPAN
OFERING TIFE	(or less)	Stud Size	SSMA Header Selection	ProX Header Selection	ProX Header Selection	ProX Header Selection	ProX Header Selection	ProX Hea Selection
> > > INTER	IOR OPENING SPA	N > > >	0" to 2'-8"	2'-9" to 4'-6"	4'-7" to 6'-6"	6'-7" to 8'-6"	8'-7" to 10'-6"	10'-7" to 1
Typ. Interior Door (or) Window HEAD • 7'-0" tall or greater	0'-0" TO 16'-0"	4" studs = 400 6" studs = 600	400T150-54 600T150-54	400X425-54 600X425-54	400X425-54 600X425-54	400X425-68 600X425-54	400XTC425-54 600X425-68	400XTC42! 600XTC42!
Typ. Interior Door (or) Window HEAD • 7'-0" tall or greater	16'-1" TO 18'-0"	4" studs = 400 6" studs = 600	400T150-54 600T150-54	400X425-54 600X425-54	400X425-54 600X425-54	400X425-68 600X425-68	400XTC425-54 600XTC425-54	N/A 600XTC425
Typ. MEP Opening • HEAD	0'-0" TO 18'-0"	4" studs = 400 6" studs = 600	400T150-54 600T150-54	400X425-54 600X425-54	400X425-54 600X425-54	400X425-54 600X425-54	400X425-54 600X425-54	400XTC425 600X425-

	Two Layers 5/8" d	rywali [full height] (ea	ıch side)	ed Walls (Hospital Desi	gn Loads Package, Mini	mum (54 mil) 50 KSI	16 gauge selections
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Typ. SILL WINDOW (or) MEP	0'-0" TO 18'-0"	4" studs = 400 6" studs = 600	400T150-54 600T150-54	400T150-54 600T150-54	400X425-54 600X425-54	400X425-54 600X425-54	400X425-54 600X425-54	400X425-54 600X425-54

Refer to RFI for additional supports required at wall mounted cable tray

RFI 1260.3

RFI 2189

For 1" gap between categories

	INTERIOR TOP TRACK SCHEDULE -L/240-			
	(1) LAYER GYPSUM	(2) LAYER GYPSUM		
WALL HT.	TOP TRACK THICKNESS	TOP TRACK THICKNESS		
0'-0" TO 14'-0"	54 MIL	54 MIL		
14'-1" TO 16'-0"	54 MIL	54 MIL		
16'-1" TO 18'-0"	54 MIL	54 MIL		

TOP CONNECTION

	INTERIOR TYPICAL STUD SCHEDULE -L/240-					
WALL HT.	STUD DESCRIPTION (1) LAYER GYP.	STUD DESCRIPTION (2) LAYER GYP.				
0'-0" TO 14'-0"	PER PLAN	PER PLAN				
14'-1" TO 16'-0"	PER PLAN	PER PLAN				
16'-1" TO 18'-0"	PER PLAN	PER PLAN				

AT 1 OR 2 HOUR WALL ____

	INTERIOR BOTTOM TRACK SCH	IEDULE -L/240-
	(1) LAYER GYPSUM	(2) LAYER GYPSUM
WALL HT.	BOTTOM TRACK THICKNESS	BOTTOM TRACK THICKNESS
0'-0" TO 14'-0"	54 MIL	54 MIL
14'-1" TO 16'-0"	54 MIL	54 MIL
16'-1" TO 18'-0"	54 MIL	54 MIL

BOTTOM CONNECTION

WALL SCHEDULES

SSMA NOMENCLATURE/ PRODUCT INFORMATION

MEMBER IDENTIFICATION SHALL BE AS SHOWN:

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MEMBER DEPTH IS THE INSIDE TO

MEMBER DEPTH:

1. EXAMPLE:
(6"=600/100 INCHES)
ALL MEMBER DEPTHS ARE TAKEN IN

1/100 INCHES. FOR ALL SECTIONS 'X' AND 'XTC' THE SECTIONS

STYLE:

2. EXAMPLE:
(MEMBER TYPE SECTIONS = X)
THE FOUR ALPHA CHARACTERS UTILIZED

INSIDE DIMENSION.

BY THE DESIGNATOR SYSTEM ARE:

S = STUD
T = TRACK
U = CHANNEL SECTIONS
F = FURRING CHANNEL SECTIONS

FLANGE WDTH:

3. EXAMPLE:
(1 5/8"=1.625"=162×1/100 INCHES)
ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.

MATERIAL THICKNESS:

4. EXAMPLE: (0.054IN. = 54MILS; 1 MIL. = 1/1000 IN.) MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.

1 2 3 4 400 S 125 – 54

SSMA NOMENCLATURE/ PRODUCT INFORMATION

SAMPLE 362=3 5/8" 362 X 425-54

362 X 425-54
362 = MEMBER (WDTH) DEPTH/X=PRO X OUTER (STYLE) / 425= FLANGE WDTH (LEG HEIGHT) /54 = MATERIAL (GAUGE) THICKNESS.

362 XT 162-54
362 = MEMBER (WDTH) DEPTH/XT=PRO X INSERT (STYLE) / 162 = FLANGE WIDTH (LEG HEIGHT) /54 = MATERIAL (GAUGE) THICKNESS.

362 XTC 425-54
362 = MEMBER (WDTH) DEPTH/XTC=PRO X COMBO (STYLE) / 425 = FLANGE WIDTH (LEG HEIGHT) /54 = MATERIAL (GAUGE) THICKNESS.

362 CLIP 150-54
362 = MEMBER (WDTH) DEPTH/CLIP=PRO X CLIP (STYLE) / 150 = FLANGE
WDTH (LEG HEIGHT) /54 = MATERIAL (GAUGE) THICKNESS.

PRODUCT INFORMATION

——RFI 242

LIGHT GAUGE STEEL — MATERIAL STANDARDS

1. DETAILS ON THIS SHEET ARE ACCEPTABLE ALTERNATES FOR BUILT—UP SECTIONS SHOWN IN THE CONTRACT DOCUMENTS.

2. ALL WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:

A. AMERICAN IRON AND STEEL INSTITUTE (AISI) DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.

B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).

6. ALL STUD AND TRACK MATERIAL TO CONFORM TO THE FOLLOWING:

ALL STUD AND TRACK MATERIAL TO CONFORM TO THE FOLLOWING:

A. 54 MIL (GAUGE) AND HEAVIER:

50 KSI MIN. YIELD, 65 KSI MIN. TENSILE STRENGTH PAINTED STEEL PER

4ASTM A611 — GRADE C GALVANIZED STEEL PER ASTM A635 — GRADE 33

B. 43 MIL (GAUGE) AND LIGHTER:

33 KSI MIN. YIELD, 45 KSI MIN. TENSILE STRENGTH PAINTED STEEL PER

ASTM A611 — GRADE C GALVANIZED STEEL PER ASTM A653 — GRADE 33

MISCELLANEOUS STEEL TO CONFORM TO THE FOLLOWING:

A. 30 MIL — 43 MIL

B. 54 MIL — 97 MIL

SO KSI MIN. YIELD

50 KSI MIN. YIELD

B. 54 MIL — 97 MIL 50 KSI MIN. YIELD

5. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON AN ANGLE SUCH AS BRACING TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.

6. ALL STUDS SHALL BE ATTACHED BY SCREWS UNLESS NOTED OTHERWISE. WIRE

TYING OF FRAMING COMPONENTS IS NOT PERMITTED.

ALL CALCULATED STUD PROPERTIES PER AISI SPECIFICATION ARE BASED ON THE FOLLOWING THICKNESS:

A. 12 GAUGE (97 MIL)

B. 14 GAUGE (68 MIL)

C. 16 GAUGE (54 MIL)

0.0566"

D. 18 GAUGE (43 MIL)

D. 18 GAUGE (43 MIL)

E. 20 GAUGE (33 MIL)

O.0346"

8. WHEN PUNCHED HOLES IN STUDS ARE PRESENT LOCATE SCREWS SUCH THAT MINIMUM OF 3/8" DISTANCE FROM SCREW TO PUNCHOUT IS PROVIDED.

9. THESE DRAWINGS ASSUME THAT THE PRIMARY STRUCTURE INTENDED TO SUPPORT AND RESIST LOADS PRODUCED BY THE INTERIOR/EXTERIOR FRAMING SYSTEM HAVE

AND RESIST LOADS PRODUCED BY THE INTERIOR/EXTERIOR FRAMING SYSTEM HAVE
BEEN ADEQUATELY DESIGNED FOR THIS PURPOSE UNLESS SPECIFICALLY NOTED.

10. ALL PRO—X CLIPS ARE 54 MIL.

11. MAXIMUM GAP BETWEEN END OF PRO—X HEADER AND JAMB TO BE 3/8" EACH SIDE.

12. ALL FASTENERS/SCREWS CAN BE INSTALLED IN EITHER DIRECTION (I.E. CLIP TO
JAMB OR JAMB TO CLIP).

13. SCREWS SHALL BE #10 SHEET METAL SCREWS WITH SUFFICIENT LENGTH TO ENSURE

PENETRATION INTO STEEL STUD BY AT LEAST 2 FULL DIAMETER THREADS.

GENERAL NOTES



FKP Architects

ARCHITECT OF RECORD

Paul C. Gloriod



REVISIONS

03/11/10 CHANGE ORDER #17 49 06/09/10 CHANGE ORDER #44

APPROVAL
Office of Statewide I-

Office of Statewide Health
Planning & Development/FDD
REVIEWED IN ACCORDANCE WITH
THE REQUIREMENTS OF T24, CCR
SEP 0 1 2010

CHANGE ORDER# CO#44
INSTRUCTION BULLETIN#
DEFERRED APPROVAL#
ADDENDUM

CHILDREN'S HOSPITAL
OF ORANGE COUNTY

455 S. Main St. Orange, CA 92868-3874

TOWER II



PROJECT NUMBER 12011.00

Increment #7

OSHPD - PROJECT NUMBER

IL 072072-30

OSHPD PERMIT

01/27/2010

N.T.S.

DRAWING TITLE

INTERIOR METAL

FRAMING

A11.11