TYPICAL	FASTENING SCHEDULE	
CONNECTION	FASTENING	LOCATION
JOIST TO SILL OR GIRDER	3-8d COMMON NAILS	TOENAIL
BRIDGING TO JOIST	2-8d COMMON NAILS	TOENAIL EACH END
1x6 SUBFLOOR OR LESS TO EACH JOIST	2-8d COMMON NAILS	FACE NAIL
WIDER THAN 1x6 SUBFLOOR TO EACH JOIST	3-8d COMMON NAILS	FACE NAIL
2x SUBFLOOR TO JOIST OR GIRDER	2-16d COMMON NAILS	BLIND AND FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	16d COMMON NAILS @ 16" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	3-16d PER 16"	BRACED WALL PANELS
TOP PLATE TO STUD	2-16d COMMON NAILS	END NAIL
STUD TO SOLE PLATE	4-8d COMMON NAILS	TOENAIL
STUD TO SOLE PLATE (ALTERNATE)	2-16d COMMON NAILS	END NAIL
DOUBLE STUDS	16d @ 24" O.C.	FACE NAIL
DOUBLE TOP PLATES	16d @ 16" O.C.	TYPICAL FACE NAIL
LAP SPLICE AT DOUBLE TOP PLATES (MINIMUM 4'-0" LONG)	8-16d COMMON NAILS @ 4" O.C.	LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8d COMMON NAILS	TOENAIL
RIM JOIST TO TOP PLATE	8d COMMON NAILS @ 6" O.C.	TOENAIL
TOP PLATE CORNERS AND INTERSECTIONS	2-16d COMMON NAILS	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16d COMMON NAILS	16" O.C. ALONG EDGE
CEILING JOISTS TO PLATE	3-8d COMMON NAILS	TOENAIL
CONTINUOUS HEADER TO STUD	4-8d COMMON NAILS	TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	3–16d COMMON NAILS	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	3–16d COMMON NAILS	FACE NAIL
RAFTERS TO PLATE	3–8d COMMON NAILS	TOENAIL
1x DIAGONAL BRACE TO EACH STUD AND PLATE	2–8d COMMON NAILS	FACE NAIL
1x8 OR LESS SHEATHING TO EACH BEARING	2–8d COMMON NAILS	FACE NAIL
WIDER THAN 1x8 SHEATHING TO EACH BEARING	3–8d COMMON NAILS	FACE NAIL
BUILT-UP CORNER STUDS	16d COMMON NAILS @ 24" O.C.	24" O.C.
BUILT-UP GIRDER AND BEAMS	20d COMMON NAILS @ 32" O.C.	FACE NAIL AT TOP AND BOTTO
BOILT OF GINDEN AND BEING	2-20d COMMON NAILS	STAGGERED ON OPPOSITE SIDE FACE NAIL AT ENDS AND AT EACH SPLICE
2x PLANKS	16d COMMON NAILS	AT EACH BEARING
COLLAR TIE TO RAFTER	3-10d COMMON NAILS	FACE NAIL
	3-10d COMMON NAILS	TOENAIL
JACK RAFTERS TO HIP	2-16d COMMON NAILS	FACE NAIL
ROOF RAFTER TO 2x RIDGE BEAM	2-16d COMMON NAILS 2-16d COMMON NAILS	TOENAIL FACE NAIL
JOIST TO BAND JOIST	3-16d COMMON NAILS	FACE NAIL
LEDGER STRIP	3-16d COMMON NAILS	FACE NAIL
WOOD STRUCTURAL PANELS AND PARTICLEBOARD (PANEL THICKNESS)	8d COMMON NAILS (15/32" OR LESS)	NAILS SPACED 6" O.C. AT PANEL EDGES AND 12" O.C.
	10d COMMON NAILS (15/32" OR MORE)	AT INTERMEDIATE SUPPORTS
PANEL SIDING (PANEL THICKNESS):	6d GALVANIZED CASING NAILS (1/2" OR LESS) 8d GALVANIZED CASING NAILS (5/8" THICK)	NAILS SPACED 3" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
FIBERBOARD SHEATHING (PANEL THICKNESS)	11 GAGE GALVANIZED ROOFING NAIL (1/2" THICK)	NAILS SPACED 3" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
INTERIOR PANELING (PANEL THICKNESS)	4d FINISH NAILS (1/4" THICK) 6d FINISH NAILS (3/8" THICK)	NAILS SPACED 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS

1. FASTENINGS INDICATED ABOVE ARE MINIMUMS TO BE PROVIDED UNLESS NOTED OTHERWISE.

2. REFER TO TABLE 2304.9.1 IN THE IBC 2009 BUILDING CODE FOR ADD'L REQUIREMENTS AND ALTERNATE FASTENERS.



TYPICAL STEEL LINTEL SCHEDULE FOR OPENINGS IN MASONRY VENEER				
MAXIMUM SPAN	SIZE	MINIMUM BEARING		
3'-0"	L3 1/2x3 1/2x3/8	8" ·		
5 ' –0"	L4x4x3/8	8"		
8'-0"	L5x3 1/2x3/8 LLV	12"		
10'-0"	L6x4x3/8 LLV	12"		

NOTES:

1. CONTACT ENGINEER OF RECORD FOR OPENINGS LARGER THAN 10'-0"

ALL LINTELS IN EXTERIOR WALLS SHALL BE PROTECTED WITH PAINT OR HOT DIP GALVANIZING CONFORMING TO ASTM A123.



			4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	
L	OAD I	BEARING STUD WALL S	SCHEDULE	
LOCATION	LEVEL	GRADE AND SPECIES	SIZE AND SPACING AT 10'-1" PLATE HEIGHTS	SIZE AND SPACING AT PLATE HEIGHTS BETWEEN 10'-1" AND 11'-7"
,	4	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
EXTERIOR WALLS,	3	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
U.N.O.	2	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 12" O.C.	N/A
	1	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2-2x4 @ 16" O.C.	2-2x4 @ 12" O.C.
	4	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
INTERIOR WALLS.	3	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 12" O.C.	N/A
U.N.O.	2	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2-2x4 @ 16" O.C.	N/A
	1	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2-2x4 @ 12" O.C.	2-2x4 @ 8" O.C.
	4	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
PUBLIC CORRIDOR	3	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
WALLS, U.N.O.	2	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 12" O.C.	N/A
	1	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2-2x4 @ 16" O.C.	2-2x4 @ 12" O.C.
INTERIOR	4	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
INTERIOR DOUBLE	3	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 16" O.C.	N/A
PARTY WALLS	2	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2x4 @ 12" O.C.	N/A
U.N.O.	1	STUD GRADE DOUGLAS FIR-LARCH (DFL)	2-2x4 @ 16" O.C.	2-2x4 @ 12" O.C.

- 1. ABOVE SCHEDULE IS APPLICABLE TO LOAD BEARING WALLS ONLY. STUD SIZES AND SPACINGS ARE ENGINEERING MINIMUMS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 2. COORDINATE ALL PLUMBING WALL LOCATIONS WITH ARCHITECTURAL DRAWINGS. PLUMBING WALLS SHALL BE 2X6 @ 16" O.C., UNLESS NOTED OTHERWISE.
- 3. ALL BALLOON FRAMED WALLS WITH PLATE HEIGHTS GREATER THAN 13'-0 SHALL BE 2x6 @ 12" O.C.
- 4. ALL NON-LOAD BEARING WALLS SHALL MEET ARCHITECTURAL REQUIREMENTS. AS A MINIMUM, ALL NON-LOAD BEARING WALLS SHALL BE FRAMED WITH 2x4 STUDS AT 16" O.C.
- 5. AT CONTRACTOR'S OPTION, ENGINEERED FINGER-JOINTED STUDS IN THE SAME GRADE AND SPECIES MAY BE USED.



	SHEARWALL SCHEDULE			
MARK	DESCRIPTION			
1A	5/8" GYPSUM WALLBOARD APPLIED TO ONE FACE OF WALL AS INDICATED ON PLAN. FASTEN TO WALL FRAMING WITH 6d WALLBOARD NAILS AT 7" O.C. AT PANEL EDGES AND INTERMEDIATE STUDS. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 48" O.C.			
2A	5/8" GYPSUM WALLBOARD APPLIED TO BOTH FACES OF WALL IN ACCORDANCE WITH TYPE 1A. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 48" O.C			
1B	5/8" GYPSUM WALLBOARD APPLIED TO ONE FACE OF WALL AS INDICATED ON PLAN. FASTEN TO WALL FRAMING WITH 6d WALLBOARD NAILS AT 4" O.C. AT PANEL EDGES AND INTERMEDIATE STUDS. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 48" O.C.			
2B	5/8" GYPSUM WALLBOARD APPLIED TO BOTH FACES OF WALL IN ACCORDANCE WITH TYPE 1B. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 42" O.C			
1C	5/8" GYPSUM WALLBOARD APPLIED TO ONE FACE OF WALL AS INDICATED ON PLAN. FASTEN TO WALL FRAMING WITH 6d WALLBOARD NAILS AT 4" O.C. AT ALL PANEL EDGES AND INTERMEDIATE STUDS INCLUDING BLOCKING. PROVIDE SOLID 2x BLOCKING AT ALL PANEL EDGES. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 48" O.C.			
2C	5/8" GYPSUM WALLBOARD APPLIED TO BOTH FACES OF WALL IN ACCORDANCE WITH TYPE 1C. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 36" O.C			
1D	TWO LAYERS OF 5/8" GYPSUM WALLBOARD APPLIED TO ONE FACE OF WALL AS INDICATED ON PLAN. BASE PLY SHALL BE FASTENED TO WALL FRAMING WITH 6d WALLBOARD NAILS AT 9" O.C. AT PANEL EDGES AND INTERMEDIATE STUDS, INCLUDING BLOCKING. FACE PLY SHALL BE FASTENED TO WALL FRAMING WITH 8d WALLBOARD NAILS AT 7" O.C. AT PANEL EDGES AND INTERMEDIATE STUDS. PROVIDE SOLID 2x BLOCKING AT ALL PANEL EDGES. STAGGER PANEL EDGES. FASTEN SHEARWALL TO FOUNDATION WITH 1/2"Ø ANCHOR BOLTS AT 48" O.C.			
2D	TWO LAYERS OF 5/8" GYPSUM WALLBOARD APPLIED TO BOTH FACES OF WALL IN ACCORDANCE WITH TYPE 1D. FASTEN SHEARWALL TO FOUNDATION WITH 1/2" ANCHOR BOLTS AT 24" O.C.			
1E	1/2" APA RATED SHEATHING APPLIED TO WALL FACE INDICATED ON PLAN. FASTEN TO WALL FRAMING WITH 10d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE STUDS. PROVIDE SOLID 2x BLOCKING AT ALL EDGES. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 40" O.C.			
2E	1/2" APA RATED SHEATHING APPLIED TO BOTH FACES OF WALL IN ACCORDANCE WITH TYPE 1E. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 20" O.C.			
1F	1/2" APA RATED SHEATHING APPLIED TO WALL FACE INDICATED ON PLAN. FASTEN TO WALL FRAMING WITH 10d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE STUDS. PROVIDE SOLID 2x BLOCKING AT ALL EDGES. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 24" O.C.			
2F	1/2" APA RATED SHEATHING APPLIED TO BOTH FACES OF WALL IN ACCORDANCE WITH TYPE 1F. FASTEN SHEAR WALL TO FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 12" O.C.			

- 1. FOR SHEARWALL TYPE 1A HILTI X-CP 72P8S23 @ 18" O.C. MAY BE USED AT ALL INTERIOR CONDITIONS.
- 2. FOR SHEARWALL TYPE 2A AND 1B HILTI X-CP 72P8S23 @ 14" O.C. MAY BE USED AT ALL INTERIOR CONDITIONS.
- 3. FOR SHEARWALL TYPE 2B HILTI X-CP 72P8S23 AT 6" O.C. MAY BE USED AT ALL INTERIOR CONDITIONS.
- 4. GYPSUM WALL BOARD USED IN SHEARWALLS SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM C36 AND THE APPLICATION REQUIREMENTS OF ASTM C840.

5 SCHEDULE S1.03 NO SCALE

BEAM SUPPORT SCHEDULE			
FLUSH/DROP BEAM SIZE	STUD / COLUMN SUPPORT 1		
2-2x10	2-2x STUDS		
2-2x12	2-2x STUDS		
3 1/2"x9 1/4" PSL	2-2x STUDS		
3 1/2"x11 1/4" PSL	3-2x STUDS		
3 1/2"x14" PSL	3-2x STUDS		
3 1/2"x16" PSL	4-2x STUDS		
3 1/2"x18" PSL	5-2x STUDS		
5 1/4"x18" PSL	6-2x STUDS		

- 1. INDICATES NUMBER OF FULL HEIGHT STUDS REQUIRED AT EACH END OF FLUSH OR DROP BEAM.
- 2. CONTACT ENGINEER OF RECORD FOR OTHER BEAM SIZES.

3	SCHEDULE
S1.03/	NO SCALE

>	NON-LOAD BEARING	HEADER SCHEDULE
	SPAN	HEADER
	0' TO 3'-0"	2-2x4
	3'-0" TO 6'-0"	2-2x6
	6'-0" TO 9'-0"	2-2x8
	> 9'-0"	2-2x10

REVISIONS

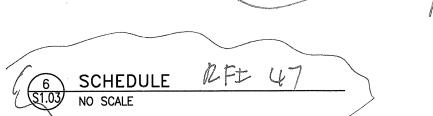
1. HEADER MATERIAL TO BE #3 S.Y.P., UNLESS NOTED OTHERWISE. 2. USE 1/2" PLYWOOD SPACERS BETWEEN 2x MEMBERS.

S1.03 NO SCALE

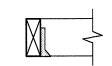
SHEARWALL ANCHOR SCHEDULE 1,2				
MARK	DESCRIPTION	MARK	DESCRIPTION	
1	CS22	5	LTT20B ³ OR STHD8	
2	CS18	6	HTT16 ³ OR STHD14	
3	CS16 OR 2-CS22	7	HD8A ⁴ OR PDH8 ⁴	
4	2-CS16	8	HD10A ⁴	

SHEARWALL ANCHORAGE NOTES:

- 1. PROVIDE A 2-2X MEMBER AT EACH END OF SHEAR WALLS WHERE ANY ANCHOR IS SPECIFIED.
- 2. ANCHORS SHALL BE PLACED ON EACH END OF THE DESIGNATED CORRESPONDING WALL, REF. PLAN.
- 3. FASTEN LTT20B AND HTT16 ANCHORS TO FOUNDATION CONCRETE WITH SIMPSON SSTB16, OR APPROVED SUBSTITUTE, ANCHOR BOLTS. CONTRACTOR MAY USE 5/8"ø HILTI HIT HY150 ADHESIVE ANCHOR BOLTS (MINIMUM 7 1/2" EMBEDMENT) IN LIEU OF CAST—IN ANCHOR BOLTS.
- 4. FASTEN HD8A, PHD8 AND HD10A ANCHORS TO FOUNDATION CONCRETE WITH SIMPSON SSTB28, OR APPROVED SUBSTITUTE, ANCHOR BOLTS. CONTRACTOR MAY USE 7/8"Ø HILTI HIT HY150 ADHESIVE ANCHOR BOLTS (MINIMUM 11 1/4" EMBEDMENT) IN LIEU OF CAST—IN ANCHOR BOLTS.

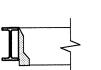


WOOD BEAM HANGER SCHEDULE				
INSTALLATION TYPE BEAM SIZE				
FACE MOUNT	TOP FLANGE	WOOD NAILER	WELDABLE	
HU210-2	HU210-2TF	WNP210-2	WM210-2	
UU212-2	HU212-2TF	WNP212-2	WM212-2	
HHUS410	EGQ3.62-SDS3	EGQ3.62-SDS3	GLTV3.56/9.25	
HHUS410	EGQ3.62-SDS3	EGQ3.62-SDS3	GLTV3.59	
HHUS410	EGQ3.62-SDS3	EGQ3.62-SDS3	GLTV3.514	
HGUS412	EGQ3.62-SDS3	EGQ3.62-SDS3	GLTV3.516	
HGUS412	EGQ3.62-SDS3	EGQ3.62-SDS3	GLTV3.518	
HGUS5.50/14	EGQ5.50-SDS3	EGQ5.50-SDS3	GLTV5.518	
	FACE MOUNT HU210-2 UU212-2 HHUS410 HHUS410 HHUS410 HGUS412 HGUS412	INSTALLA FACE MOUNT TOP FLANGE HU210-2 HU210-2TF UU212-2 HU212-2TF HHUS410 EGQ3.62-SDS3 HHUS410 EGQ3.62-SDS3 HHUS410 EGQ3.62-SDS3 HGUS412 EGQ3.62-SDS3 HGUS412 EGQ3.62-SDS3	INSTALLATION TYPE FACE MOUNT TOP FLANGE WOOD NAILER HU210-2 HU210-2TF WNP210-2 UU212-2 HU212-2TF WNP212-2 HHUS410 EGQ3.62-SDS3 EGQ3.62-SDS3 HHUS410 EGQ3.62-SDS3 EGQ3.62-SDS3 HHUS410 EGQ3.62-SDS3 EGQ3.62-SDS3 HGUS412 EGQ3.62-SDS3 EGQ3.62-SDS3 HGUS412 EGQ3.62-SDS3 EGQ3.62-SDS3	









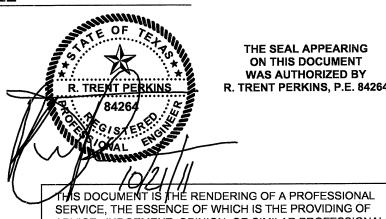
FACE MOUNT

TOP FLANGE

WOOD NAILER

- 1. REFERENCE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
- 2. CONTACT ENGINEER OF RECORD FOR OTHER BEAM SIZES.
- 3. AT END BEAM CONDITIONS, PROVIDE HUCQ412-SDS AND HUCQ610-SDS HANGERS FOR 3 1/2" AND 5 1/4" WIDE BEAMS, RESPECTIVELY.





ADVICE, JUDGEMENT, OPINION, OR SIMILAR PROFESSIONAL

THE SEAL APPEARING ON THIS DOCUMENT **WAS AUTHORIZED BY** R. TRENT PERKINS, P.E. 84264

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SHEET NUMBER

DATE

PROJECT

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08-05-2011