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ISSUE: FOR CONSTRUCTION	
REVISIONS:	

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SHEAR WALL SCHEDULE		
SHEAR WALL DESIGNATION	DESCRIPTION	END POST
	TYPICAL INTERIOR STUDS AT 2'-6" ON CENTER SHEATHED WITH 29 GAGE U-PANELS EACH SIDE. INSTALL 2" x 16 GAGE STRAPS PER DETAIL 3B/ S4.1 ABOVE SHEAR PANEL. SEE 1 / S4.1 FOR WALL CONSTRUCTION.	(2) TYPICAL INTERIOR STUDS
	TYPICAL INTERIOR STUDS AT 5'-0" ON CENTER SHEATHED WITH 29 GAGE U-PANELS ON ONE SIDE. SEE 1 / S4.1 AND 3A / S401 FOR WALL CONSTRUCTION.	(2) TYPICAL INTERIOR STUDS

NOTES:
1. 29 GAGE U-PANEL PROPERTIES: Ix (TOP) = 0.0151 IN⁴ / FOOT, Ix (BOTTOM) = 0.106 IN⁴ / FOOT
26 GAGE U-PANEL PROPERTIES: Ix (TOP) = 0.0223 IN⁴ / FOOT, Ix (BOTTOM) = 0.0152 IN⁴ / FOOT

SCHEDULE OF SHEAR WALLS

SCALE: N.A.

8
S0.2

HEADER SCHEDULE				
HEADER DESIGNATION	DESCRIPTION	JAMB	SILL TRACK (SEE NOTE 1)	NO. OF SCREWS EACH END
DH4E	(2) 400 S 250 - 68 STUDS BOXED WITH 600T 200 - 54 TRACKS TOP AND BOTTOM. SEE DETAIL 7 / S4.2	(2) TYPICAL EXTERIOR STUDS SEE 7 / S4.2	-	6
DH10E	(2) 1000 S 250 - 68 STUDS BOXED WITH 600 T 200 - 54 TRACKS TOP AND BOTTOM. SEE DETAIL 7 / S4.2	(2) TYPICAL EXTERIOR STUDS SEE 7 / S4.2	600 T 300 - 97	20
DH6	(2) 600 S 250 - 68 STUDS BACK-TO-BACK. SEE DETAIL 6 / S4.1	(2) TYPICAL INTERIOR STUDS SEE 4 / S4.1	-	12
DH8	(2) 800 S 250 - 97 STUDS BACK-TO-BACK. SEE DETAIL 6 / S4.1	(2) TYPICAL INTERIOR STUDS SEE 4 / S4.1	-	16
DH12	(2) 1200 S 250 - 97 STUDS BACK-TO-BACK. SEE DETAIL 6 / S4.1	(2) TYPICAL INTERIOR STUDS SEE 4 / S4.1	-	20
H6	600 S 250 - 68 STUD. SEE DETAIL 7 / S4.1	(2) TYPICAL INTERIOR STUDS SEE 4 / S4.1	-	3
H10	1000 S 250 - 97 STUD. SEE DETAIL 7 / S4.1	(2) TYPICAL INTERIOR STUDS SEE 4 / S4.1	-	4

NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS WHERE SILL IS REQUIRED.

SCHEDULE OF HEADERS

SCALE: N.A.

5
S0.2

COLD-FORMED STEEL MEMBER NAMING SYSTEM AND DEFINITIONS			
DEPTH	MEMBER	FLANGE [RETURN LIP]	THICKNESS (MILS)
250 (2 ½")	S (STUD)	137 (1 ¾") [¾"]	33 (20 GAUGE)
350 (3 ½")	T (TRACK)	162 (1 ⅝") [½"]	43 (16 GAUGE)
362 (3 ⅝")	Z (Z-PURLIN)	200 (2") [⅝"]	54 (16 GAUGE)
400 (4")	F (HAT CHANNEL)	250 (2 ½") [¾"]	68 (14 GAUGE)
550 (5 ½")		300 (3") [¾"]	97 (12 GAUGE)
600 (6")		EXAMPLES: STUD 600 S 200 - 54 TRACK 400 T 250 - 33 Z - PURLIN 800 Z 200 - 68	
800 (8")			
925 (9 ¼")			
1000 (10")			
1200 (12")			
1400 (14")			

SCHEDULE OF COLD FORMED MEMBERS

SCALE: NONE

6
S0.2

COLD-FORMED STEEL CONNECTORS AND FASTENING SYSTEM DESCRIPTIONS AND DEFINITIONS					
SELF DRILLING SCREWS					
DRAWING DEFINITION	SIZING INFORMATION	PROVIDE SCREWS COMPLYING WITH ASTM C1513			
#8	#8 - 18 x ¾" HWH	REFERENCE PUBLICATIONS			
#10	#10 - 16 x ¾" HWH	ICC ESR - 3294 ELCO CONSTRUCTION PRODUCTS			
#12	#12 - 14 x 1" HWH	ICC ESR - 1976 ITW BUILDEX			
#14	¼ - 14 x ⅝" HWH	ICC ESR - 2169 HILTI, INC.			
POWDER ACTUATED FASTENERS (PAF)					
DRAWING DEFINITION	SHANK DIAMETER	MANUFACTURER'S MODEL		MINIMUM PENETRATION	REFERENCE PUBLICATIONS
		SIMPSON STRONG-TIE	HILTI		
0.145" Ø PAF	0.145"	PDP	X-U 15	1 ½"	ICC ESR - 2269 HILTI (X-U) ICC ESR - 1663 HILTI (DS)
0.177" Ø PAF	0.177"	PDPH	DS	1 ½"	ICC ESR - 2138 SIMPSON STRONG-TIE

SCHEDULE OF COLD FORMED STEEL CONNECTORS

SCALE: NONE

7
S0.2

TABLE OF CONCRETE REINFORCEMENT SPLICE LENGTHS

SCALE: NONE

9
S0.2

NOTES:
1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER TO CENTER SPACING OF THE BARS ARE DEFINED AS FOLLOWS:
2. BEAMS OR COLUMNS:
CASE 1: COVER AT LEAST 1 BAR DIAMETER AND CTR. - CTR. SPACING AT LEAST 2 BAR DIAMETERS.
CASE 2: COVER LESS THAN 1 BAR DIAMETER OR CTR. - CTR. SPACING LESS THAN 2 BAR DIAMETERS.
ALL OTHERS:
CASE 1: COVER AT LEAST 1 BAR DIAMETER AND CTR. - CTR. SPACING AT LEAST 3 BAR DIAMETERS.
CASE 2: COVER LESS THAN 1 BAR DIAMETER OR CTR. - CTR. SPACING LESS THAN 3 BAR DIAMETERS.

TENSION LAP SPLICE LENGTHS (IN INCHES)					
UNCOATED BARS - NORMAL WEIGHT CONCRETE - GRADE 60 BARS					
BAR SIZE	LAP CLASS	4,000 psi CONCRETE			
		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2
#3	A	19	28	15	22
	B	24	36	19	28
#4	A	25	37	19	29
	B	32	48	25	37
#5	A	31	47	24	36
	B	40	60	31	47
#6	A	37	56	29	43
	B	48	72	37	56
#7	A	54	81	42	63
	B	70	106	54	81
#8	A	62	93	48	72
	B	80	121	62	93
#9	A	70	105	54	81
	B	91	136	70	105
#10	A	79	118	61	91
	B	102	153	79	118
#11	A	87	131	67	101
	B	113	170	87	131

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