_										
Roof_	GCp +/- GCpi			Surfac	Surface Pressure (psf)			User input		
Area	10 sf	50 sf	100 sf	10 sf	50 sf	100 sf	20 sf	500 sf		
Negative Zone 1	-1.18	-1.11	-1.08	-34.5	-32.5	-31.6	-33.6	-31.6		
Negative Zone 2	-1.98	-1.49	-1.28	-57.9	-43.6	-37.4	-51.8	-37.4		
Negative Zone 3	<b>-</b> 2.98	-1.79	-1.28	-87.2	-52.4	-37.4	-72.2	-37.4		
Positive 1	0.48	0.41	0.38	16.0	16.0	16.0	16.0	16.0		
Positive 2 & 3	0.48	0.41	0.38	16.0	16.0	16.0	16.0	16.0		
Overhang Zone 1&2	-1.70	-1.63	-1.60	-49.7	-47.7	-46.8	-48.9	-32.2		
Overhang Zone 3	-2.80	-1.40	-0.80	-81.9	-41.0	-23.4	-64.3	-23.4		

Negative zone 3 = zone 2, since parapet >= 3 ft. Overhang pressures in the table above assume an internal pressure coefficient (Gcpi) of 0.0

Overhang soffit pressure equals adj wall pressure (which includes internal pressure of 5.2 psf) <u>Parapet</u> qp = 29.3 psf

		-					
:f	Parapet Fac	Parapet Face Pressure (psf)					
	Windward 	Zone 4 : Zone 5 :	79.0 108.3				
	Leeward	Zone 4 : Zone 5 :	-55.3 -63.2				

_										
<u>Walls</u>	GCp +/- GCpi			Surfa	Surface Pressure (psf)			User input		
Area	10 sf	100 sf	500 sf	10 sf	100 sf	500 sf	20 sf	50 sf		
Negative Zone 4	-1.17	-1.01	-0.90	-34.2	-29.6	-26.3	-32.8	-31		
Negative Zone 5	-1.44	-1.12	-0.90	-42.1	-32.8	-26.3	-39.3	-35		
Positive Zone 4 & 5	1.08	0.92	0.81	31.6	26.9	23.7	30.2	28		

Note: GCp reduced by 10% due to roof angle <= 10 deg.

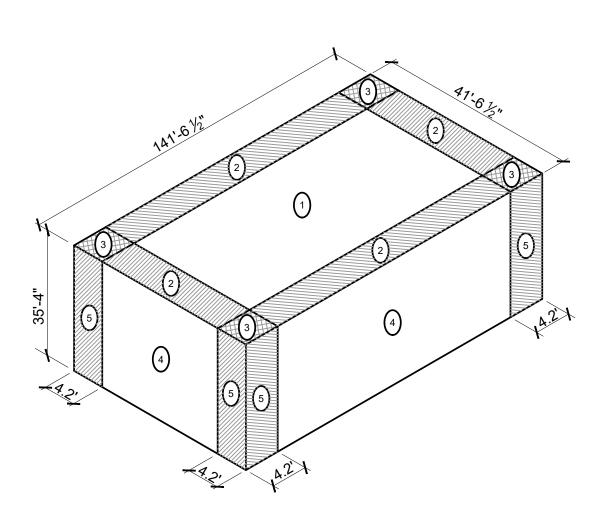
NOTES:

1. ROOF COMPONENTS AND CLADDING PRESSURES ARE "ULTIMATE" WIND

TO SEE THE PROPERTY OF LOADS AND SHALL BE USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.3 OF ASCE 7-10 (STRENGTH DESIGN).

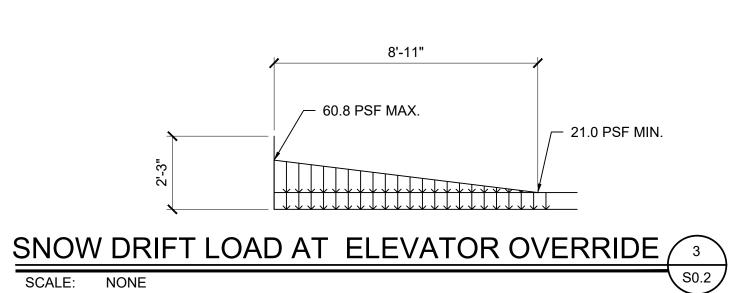
FOR "SERVICE LEVEL" WIND LOADS THE PRESSURES SHALL BE MULTIPLIED BY 0.6 (ALLOWABLE STRESS DESIGN).

SCHI	EDULE OF COMPONENTS AND CLADDING WIND PRESSURES	1
SCALE:	N.A.	S0.2



NOTE:
FOR WIND PRESSURE, SEE SCHEDULE 1 / S0.2. NUMBERS INDICATE ZONES.

DIAGRAM OF COMPONENTS AND CLADDING WIND PRESSURES SCALE: N.A.



TENS	ION L	AP S	PLICE	IN	MASO	NRY	(IN INCHES)
f'm	#3	#4	#5	#6	#7	#8	#9
1500 psi	18	24	30	36	42	48	54

NOTES:

1. IN ACCORDANCE WITH 2015 INTERNATIONAL BUILDING CODE. 2. FOR fy = 60,000 psi UNCOATED.

TABLE OF MASONRY REINFORCEMENT LAP SPLICE 4

3. MINIMUM MASONRY COVER =  $3\frac{1}{2}$ ".

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 DETAIL7 / 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.

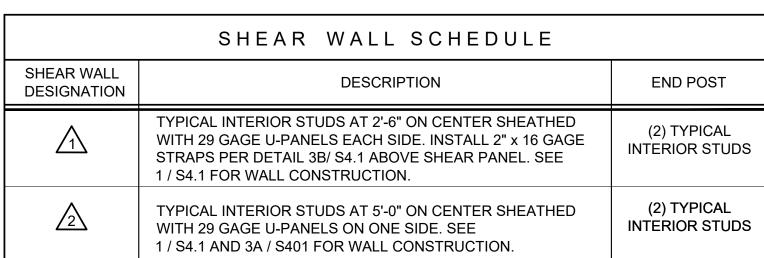
SCHEDULE OF HEADERS 5

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 5/8") [1/2"]	43 (18 GAUGE)					
362 (3 5/8")	Z (Z-PURLIN)	200 (2") [ 5%" ]	54 (16 GAUGE)					
400 (4")	F (HAT CHANNEL)	250 (2 ½") [ 5%" ]	68 (14 GAUGE)					
550 (5 ½")		300 (3") [ 5%" ]	97 (12 GAUGE)					
600 (6")								
800 (8")								
925 (9 1/4")		EXAMPLES:						
1000 (10")		STUD 600	0 S 200 - 54					
1200 (12")		TRACK 40	0 T 250 - 33					
1400 (14")		Z - PURLIN 80	0 Z 200 - 68					

SCHI	EDULE	OF COLD FORMED MEMBERS	6	
SCALE:	NONE		S0.2	

COLD-FORMED STEEL CONNECTORS AND FASTENING SYSTEM DESCRIPTIONS AND DEFINITIONS								
SELF DRILLING SCREWS								
DRAWING SIZING DEFINITION INFORMATION			PROVIDE	PROVIDE SCREWS COMPLYING WITH ASTM C1513				
#8 #8 - 18 x ¾" HWH				REFERENCE PL	JBLICATIONS			
#10	#10 #10 - 16 x <sup>3</sup> / <sub>4</sub> " HWH			ICC ESR -	ICC ESR - 3294 ELCO CONSTRUCTION PRODUCTS			
#12	#12 #12 - 14 x 1" HWH				ICC ESR - 1976 ITW BUILDEX			
#14		1/4 -	- 14 x ⅔" HWH		ICC ESR - 2169 HILTI, INC.			
	•		POWDER AG	CTUATED FAST	ENERS (PAF)			
DRAWING DEFINITION	SHANK DIAMETER		MANUFACTUR SIMPSON STRONG-TIE	RER'S MODEL HILTI	MINIMUM PENETRATION	REFERENCE PUBLICATIONS		
0.145" Ø PAF	0.145"		PDP	X-U 15	1 1/4"	ICC ESR - 2269 HILTI (X-U)		
0.177" Ø PAF	0.177"		PDPH	DS	1 1/4"	ICC ESR - 2138 SIMPSON STRONG-TIE		

SCHE	DULE	OF COLD FORMED STEEL CONNECTORS	7
SCALE:	NONE		S0.2



NOTES:

1. 29 GAGE U-PANEL PROPERTIES: Ix (TOP) = 0.0151 IN^4 / FOOT, Ix (BOTTOM) = 0.106 IN^4 / FOOT 26 GAGE U-PANEL PROPERTIES: Ix (TOP) = 0.0223 IN^4 / FOOT, Ix (BOTTOM) = 0.0152 IN^4 / FOOT

SCHEDULE OF SHEAR WALLS 8 SCALE: N.A.

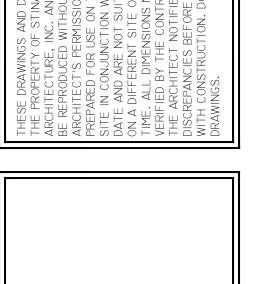
TENSION LAP SPLICE LENGTHS (IN INCHES)										
UNCOATED BARS - NORMAL WEIGHT CONCRETE - GRADE 60 BARS										
	4,000 psi CONCRETE									
BAR SIZE	LAP CLASS	TOP	BARS	OTHER	RBARS					
		CASE 1	CASE 2	CASE 1	CASE 2					
#3	А	19	28	15	22					
#5	В	24	36	19	28					
#4	Α	25	37	19	29					
#4	В	32	48	25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

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:

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. CASE 1: COVER AT LEAST 1 BAR DIAMETER AND CASE 2: COVER LESS THAN 1 BAR DIAMETER OR CTR. - CTR. SPACING AT LEAST 3 BAR DIAMETERS. CTR. - CTR. SPACING LESS THAN 3 BAR DIAMETERS.

TABLE of concrete reinforcement splice lengths 9 SCALE: NONE



#230 Life Storage 7 Self

ISSUE: FOR CONSTRUCTION

201941

SHEET NUMBER

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