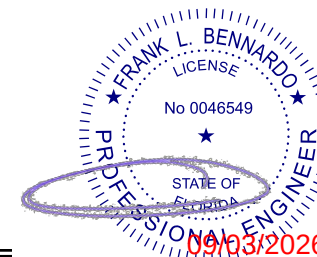


VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN)

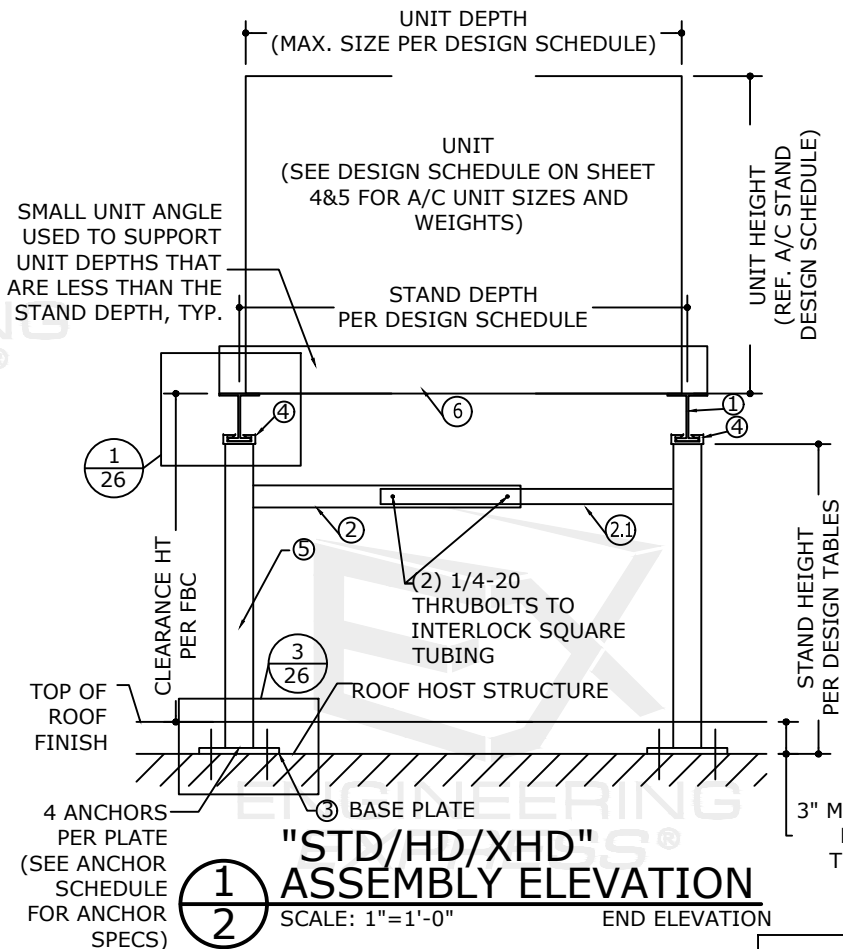
28

ALUMINUM A/C STAND

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL



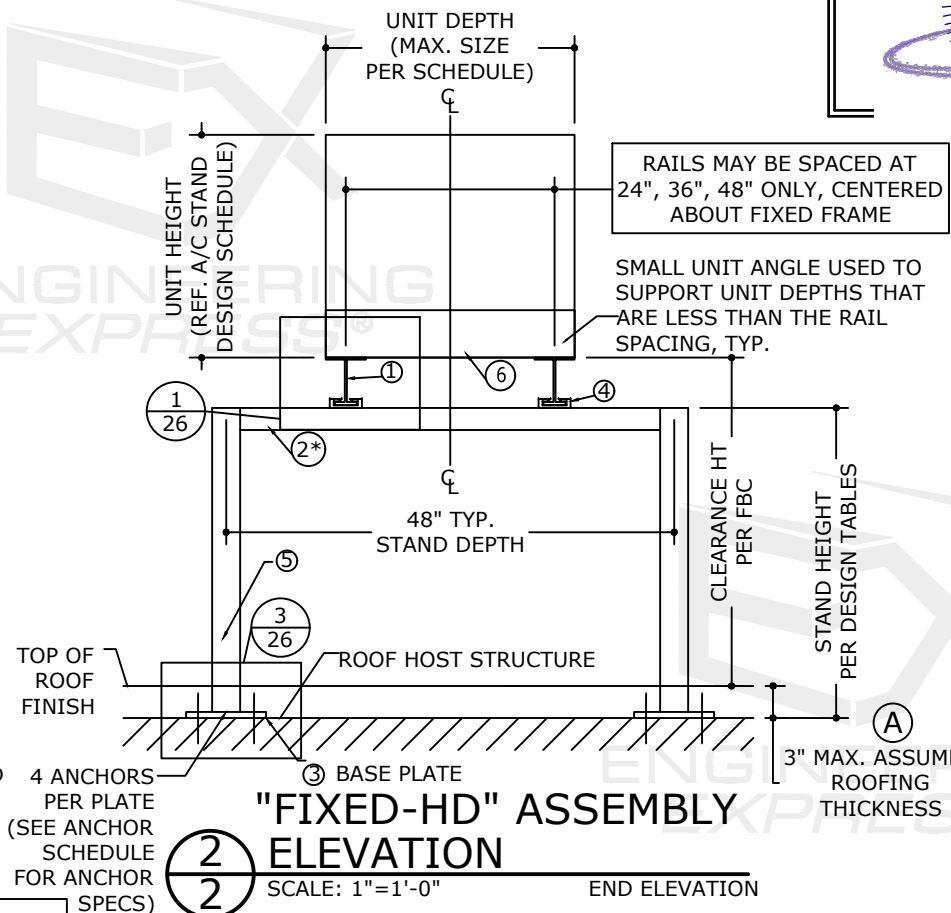
"STD/HD/XHD" ASSEMBLY ELEVATION

SCALE: 1"=1'-0" END ELEVATION

A UTILIZE NEXT-HIGHEST STAND HEIGHT FOR LARGER ROOF THICKNESS. FOR ROOFING WITHOUT INSULATION OMIT 3" THICKNESS AND UTILIZE CLEAR HEIGHT FROM FINISHED FLOOR. SPECIAL CONDITIONS REQUIRE SITE-SPECIFIC ENGINEERING.

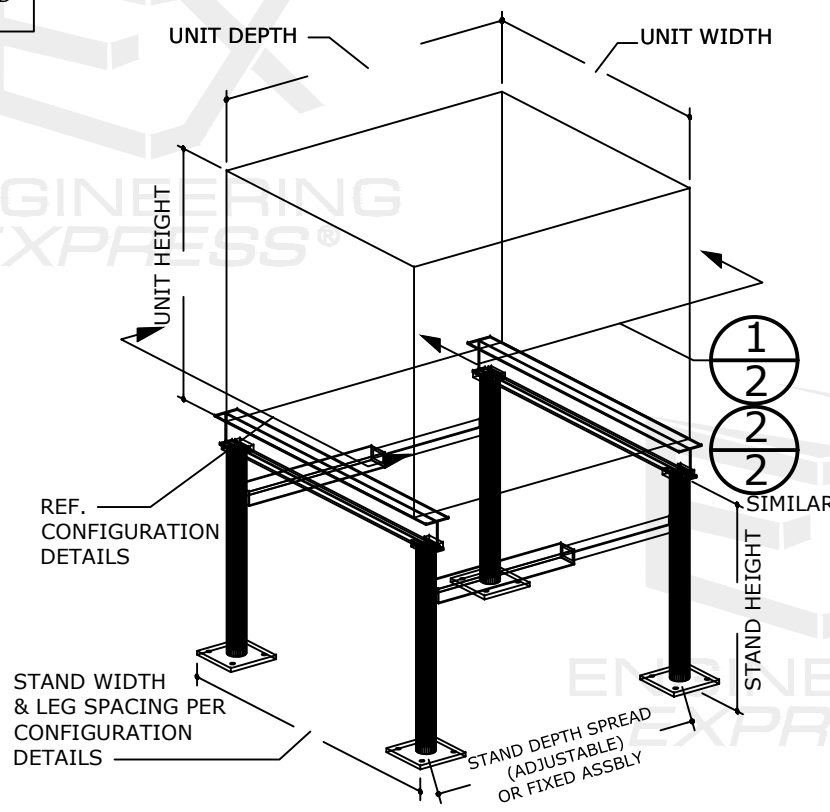
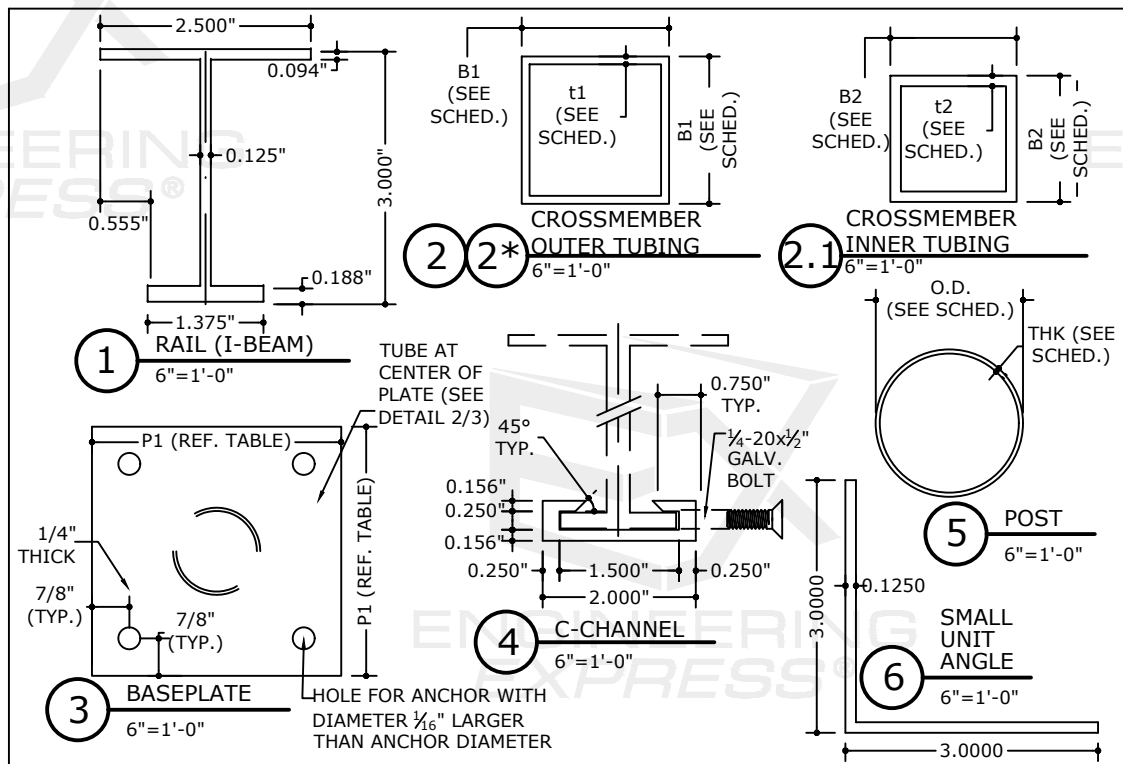
UTILIZE NEXT-SMALLEST STAND DEPTH FOR VALUES IN BETWEEN EXISTING TABLES

75# MIN./450 # MAX (800# MAX w/XHD STANDS) UNIT WEIGHT AS VERIFIED BY OTHERS, TYP.



"FIXED-HD" ASSEMBLY ELEVATION

SCALE: 1"=1'-0" END ELEVATION



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2023 FBC UPDATE & TECH. CHANGES	MRT	RWN	12/08/23
2026 FBC UPDATE & TECH. CHANGES	MRT	EPR	08/13/26

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SCALE: NTS UNLESS NOTED

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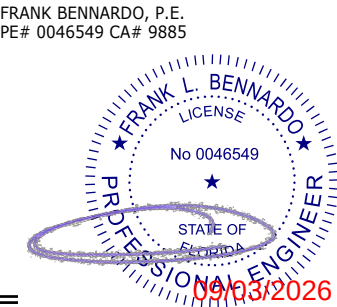
OF 28

STAND COMPONENTS

STAND TYPE/COMPONENT SCHEDULE					
PART	DESCR.	STAND TYPE			
		STD	HD	XHD	FIXED-HD
②	OUTER TUBE SIZE (B1 x B1 x t1)	1.25" x 1.25" x 0.093"	1.50" x 1.50" x 0.093"	2.00" x 2.00" x 0.093"	N/A
②*	OUTER TUBE SIZE (B1 x B1 x t1)	N/A	N/A	N/A	2.00" x 2.00" x 0.093"
②.1	INNER TUBE SIZE (B2 x B2 x t2)	1.00" x 1.00" x 0.125"	1.25" x 1.25" x 0.125"	1.75" x 1.75" x 0.125"	N/A
③	BASEPLATE SIZE (P1 X P1)	4" X 4"	•4" X 4" UP TO 24" STAND HT •5" X 5" FOR 30" STAND HT	6" X 6"	5" X 5"
⑤	POST SIZE (OD X THK)	1.5" x 0.090"	1.9" x 0.145"	1.9" x 0.200"	1.9" x 0.145"

NOTE: SEE LAST PAGE FOR 4"x6"x $\frac{3}{16}$ " 6061-T6 BASEPLATE SIZE REQUIREMENT FOR WOOD HOST INSTALLATION SPECIAL CONDITION, APPLICABLE FOR STD, HD & FIXED-HD STANDS ONLY, TYP.

- LEGEND:
- "HD" = HEAVY DUTY
 - "STD" = STANDARD
 - "XHD" = EXTRA HEAVY DUTY
- ②* SHALL BE UTILIZED FOR HD FIXED ASSEMBLY ONLY



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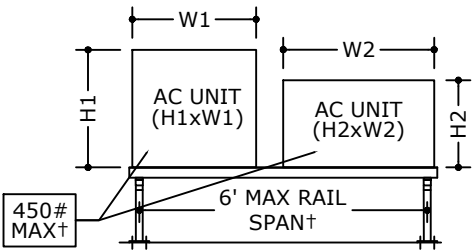
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POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
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MEAN UNIT HEIGHT & MAX FACE AREA CALCULATION DIRECTIVE: THIS DIRECTIVE SHALL BE USED TO CALCULATE THE MEAN UNIT HEIGHT & MAXIMUM FACE AREA OF ANY MULTIPLE UNIT CONFIGURATION.

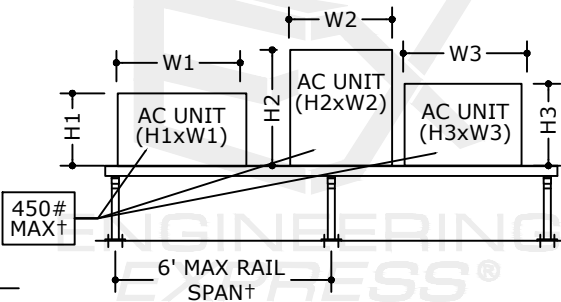
EXAMPLE CONFIGURATIONS:

- NOTE:
- UNIT WEIGHT MAY BE INCREASED TO 800# MAX FOR "XHD" STANDS
 - MAX RAIL SPAN LENGTH IS LIMITED TO 5' FOR "XHD" STANDS

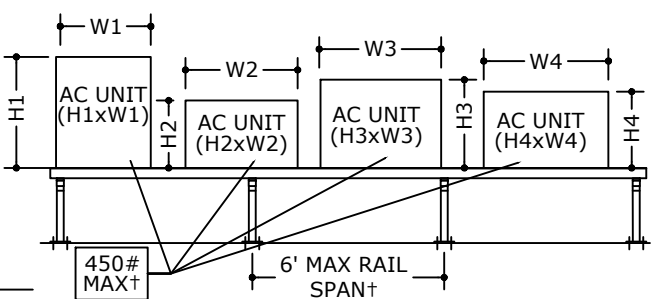
2 UNITS: 2 FRAME CONFIGURATION



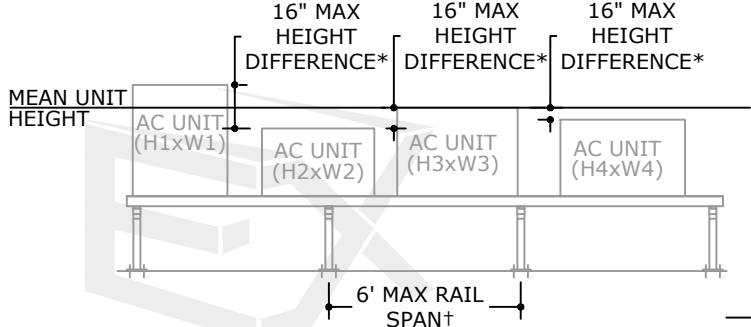
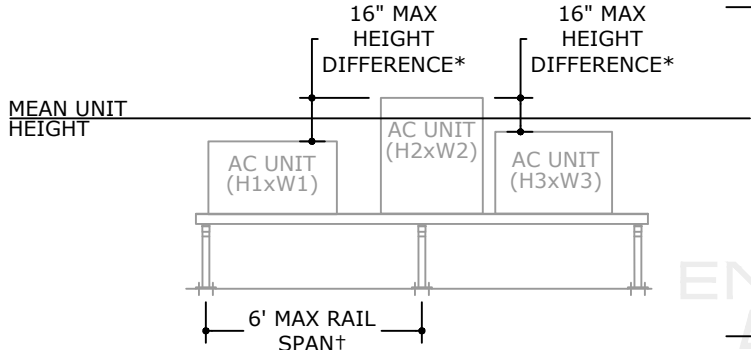
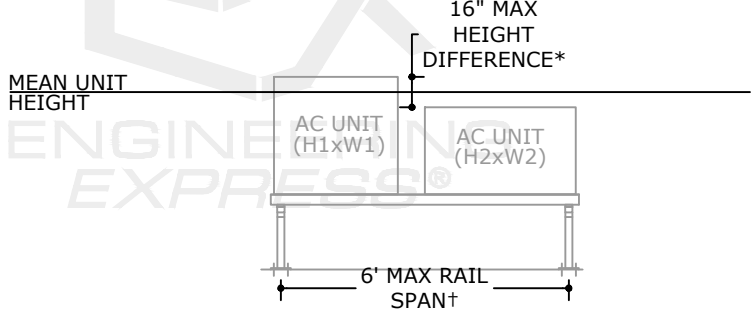
3 UNITS: 3 FRAME CONFIGURATION



4 UNITS: 4 FRAME CONFIGURATION



NOTE: THE NUMBER OF UNITS PER STAND CONFIGURATION MAY BE UNLIMITED PROVIDED THAT MULTIPLE UNITS CONFORM TO THE MEAN UNIT HEIGHT & MAXIMUM UNIT FACE AREA RESTRICTIONS UTILIZED IN THE DESIGN SCHEDULES.



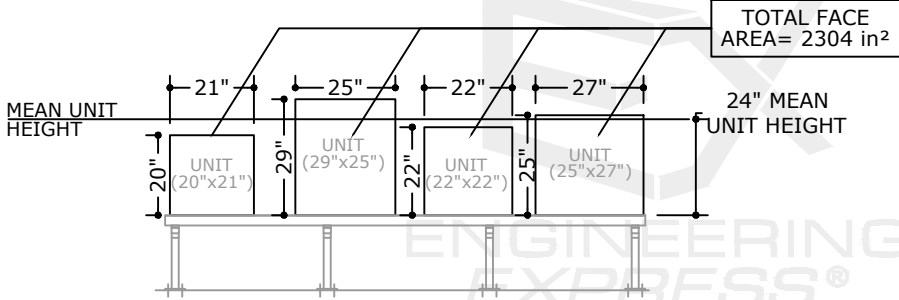
*MAXIMUM ALLOWABLE HEIGHT DIFFERENCE BETWEEN ANY UNITS IN A MULTIPLE UNIT CONFIGURATION IS RESTRICTED TO 16" MAX.

FORMULAS USED FOR DETERMINING MEAN UNIT HEIGHT & MAXIMUM UNIT FACE AREA:

- CALCULATE THE MEAN UNIT HEIGHT BY THE FOLLOWING EQUATION:
 - TWO UNITS: $\frac{H1+H2}{2}$
 - THREE UNITS: $\frac{H1+H2+H3}{3}$
 - FOUR UNITS: $\frac{H1+H2+H3+H4}{4}$
 - "n" UNITS: $\frac{H1+H2+H3+...Hn}{n}$
- CALCULATE THE MAXIMUM UNIT FACE AREA BY THE FOLLOWING EQUATION:
 - TWO UNITS: $(H1 \times W1) + (H2 \times W2)$
 - THREE UNITS: $(H1 \times W1) + (H2 \times W2) + (H3 \times W3)$
 - FOUR UNITS: $(H1 \times W1) + (H2 \times W2) + (H3 \times W3) + (H4 \times W4)$
 - "n" UNITS: $(H1 \times W1) + ... (Hn \times Wn)$

EXAMPLE SCENARIO:

- CONSIDER A FOUR UNIT CONFIGURATION WITH THE DIMENSIONS AS SHOWN BELOW.
- CALCULATE THE MEAN UNIT HEIGHT.
 - FOUR UNITS: $\frac{H1+H2+H3+H4}{4} = \frac{20''+29''+22''+25''}{4} = 24''$ MEAN UNIT HEIGHT
- CALCULATE THE MAXIMUM FACE AREA.
 - FOUR UNITS: $(H1 \times W1) + (H2 \times W2) + (H3 \times W3) + (H4 \times W4) = (20'' \times 21'') + (29'' \times 25'') + (22'' \times 22'') + (25'' \times 27'')$
 $= 2304 \text{ in}^2$



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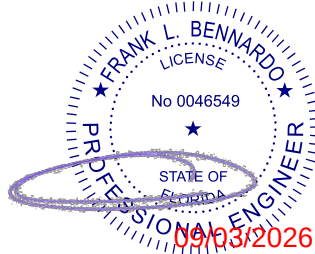
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2023 FBC UPDATE & TECH. CHANGES	MRT	RWN	12/08/23
2026 FBC UPDATE & TECH. CHANGES	MRT	EPR	08/13/26

"STD" STAND DESIGN SCHEDULES & STAND DIRECTIVE EXAMPLE

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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PE# 0046549 CA# 9885



FL

24" STAND DEPTH: MAX FACE AREA (6624in² - 27648in²), FRAME QUANTITY (12-15 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT				
18 "	24 "	6624 in ²	68.2 PSF	53.8 PSF	68.2 PSF	53.8 PSF	63.7 PSF	50.2 PSF	63.7 PSF	50.2 PSF	59.1 PSF	46.7 PSF	59.1 PSF	46.7 PSF	54.6 PSF	43.1 PSF	54.6 PSF	43.1 PSF	100.40 LB-FT	104.6 LB	352.4 LB	373.2 LB
24 "			53.4 PSF	42.2 PSF	53.4 PSF	42.2 PSF	49.8 PSF	39.3 PSF	49.8 PSF	39.3 PSF	46.3 PSF	36.5 PSF	46.3 PSF	36.5 PSF	42.7 PSF	33.7 PSF	42.7 PSF	33.7 PSF	100.40 LB-FT	81.9 LB	313.1 LB	362.5 LB
30 "			44.0 PSF	34.8 PSF	44.0 PSF	34.8 PSF	41.1 PSF	32.4 PSF	41.1 PSF	32.4 PSF	38.2 PSF	30.1 PSF	38.2 PSF	30.1 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	100.40 LB-FT	67.5 LB	288.8 LB	356.4 LB
36 "			37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	35.0 PSF	27.6 PSF	35.0 PSF	27.6 PSF	32.5 PSF	25.7 PSF	32.5 PSF	25.7 PSF	30.0 PSF	23.7 PSF	30.0 PSF	23.7 PSF	100.40 LB-FT	57.6 LB	272.2 LB	352.5 LB
18 "	30 "	11160 in ²	40.5 PSF	31.9 PSF	40.5 PSF	31.9 PSF	37.8 PSF	29.8 PSF	37.8 PSF	29.8 PSF	35.1 PSF	27.7 PSF	35.1 PSF	27.7 PSF	32.4 PSF	25.5 PSF	32.4 PSF	25.5 PSF	100.40 LB-FT	104.6 LB	378.6 LB	399.4 LB
24 "			31.7 PSF	25.0 PSF	31.7 PSF	25.0 PSF	29.6 PSF	23.3 PSF	29.6 PSF	23.3 PSF	27.4 PSF	21.7 PSF	27.4 PSF	21.7 PSF	25.3 PSF	20.0 PSF	25.3 PSF	20.0 PSF	100.40 LB-FT	81.9 LB	333.6 LB	383.0 LB
30 "			26.1 PSF	20.6 PSF	26.1 PSF	20.6 PSF	24.4 PSF	19.2 PSF	24.4 PSF	19.2 PSF	22.6 PSF	17.9 PSF	22.6 PSF	17.9 PSF	20.9 PSF	16.5 PSF	20.9 PSF	16.5 PSF	100.40 LB-FT	67.5 LB	305.7 LB	373.3 LB
36 "			22.2 PSF	17.6 PSF	22.2 PSF	17.6 PSF	20.8 PSF	16.4 PSF	20.8 PSF	16.4 PSF	21.4 PSF	0.0 PSF	21.4 PSF	0.0 PSF					100.40 LB-FT	57.6 LB	286.7 LB	347.6 LB
18 "	36 "	15120 in ²	29.9 PSF	23.6 PSF	29.9 PSF	23.6 PSF	27.9 PSF	22.0 PSF	27.9 PSF	22.0 PSF	25.9 PSF	20.4 PSF	25.9 PSF	20.4 PSF	23.9 PSF	18.8 PSF	23.9 PSF	18.8 PSF	100.40 LB-FT	104.6 LB	404.8 LB	425.5 LB
24 "			23.4 PSF	18.4 PSF	23.4 PSF	18.4 PSF	21.8 PSF	17.2 PSF	21.8 PSF	17.2 PSF	20.2 PSF	16.0 PSF	20.2 PSF	16.0 PSF					100.40 LB-FT	81.9 LB	354.1 LB	393.1 LB

36" STAND DEPTH: MAX FACE AREA (6624in² - 27648in²), FRAME QUANTITY (12-15 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT				
18 "	24 "	6624 in ²	63.8 PSF	50.4 PSF	63.8 PSF	50.4 PSF	59.5 PSF	47.0 PSF	59.5 PSF	47.0 PSF	55.3 PSF	43.6 PSF	55.3 PSF	43.6 PSF	51.0 PSF	40.3 PSF	51.0 PSF	40.3 PSF	100.40 LB-FT	97.9 LB	238.8 LB	268.1 LB
24 "			50.2 PSF	39.6 PSF	50.2 PSF	39.6 PSF	46.8 PSF	37.0 PSF	46.8 PSF	37.0 PSF	43.5 PSF	34.3 PSF	43.5 PSF	34.3 PSF	40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	100.40 LB-FT	77.0 LB	209.7 LB	265.4 LB
30 "			41.6 PSF	32.8 PSF	41.6 PSF	32.8 PSF	38.8 PSF	30.6 PSF	38.8 PSF	30.6 PSF	36.0 PSF	28.4 PSF	36.0 PSF	28.4 PSF	33.3 PSF	26.2 PSF	33.3 PSF	26.2 PSF	100.40 LB-FT	63.8 LB	191.9 LB	264.3 LB
36 "			35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	33.2 PSF	26.2 PSF	33.2 PSF	26.2 PSF	30.8 PSF	24.3 PSF	30.8 PSF	24.3 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	100.40 LB-FT	54.6 LB	179.9 LB	263.9 LB
18 "	30 "	11160 in ²	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	35.3 PSF	27.9 PSF	35.3 PSF	27.9 PSF	32.8 PSF	25.9 PSF	32.8 PSF	25.9 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	100.40 LB-FT	97.9 LB	255.1 LB	284.4 LB
24 "			29.8 PSF	23.5 PSF	29.8 PSF	23.5 PSF	27.8 PSF	21.9 PSF	27.8 PSF	21.9 PSF	25.8 PSF	20.4 PSF	25.8 PSF	20.4 PSF	23.8 PSF	18.8 PSF	23.8 PSF	18.8 PSF	100.40 LB-FT	77.0 LB	222.5 LB	278.2 LB
30 "			24.7 PSF	19.5 PSF	24.7 PSF	19.5 PSF	23.0 PSF	18.2 PSF	23.0 PSF	18.2 PSF	21.4 PSF	16.9 PSF	21.4 PSF	16.9 PSF					100.40 LB-FT	63.8 LB	202.6 LB	264.6 LB
18 "	36 "	15120 in ²	27.9 PSF	22.0 PSF	27.9 PSF	22.0 PSF	26.1 PSF	20.6 PSF	26.1 PSF	20.6 PSF	24.2 PSF	19.1 PSF	24.2 PSF	19.1 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF	100.40 LB-FT	97.9 LB	271.4 LB	300.7 LB

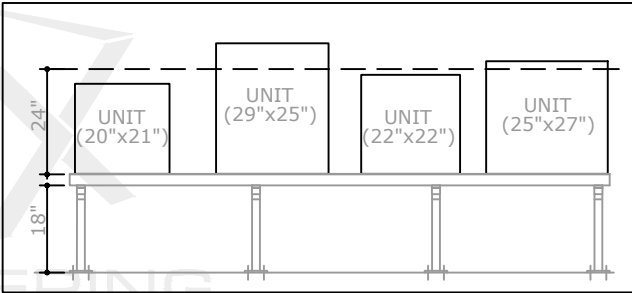
STAND EXAMPLE

(THE FOLLOWING EXAMPLE ILLUSTRATES THE PROCEDURE USED TO DETERMINE THE MAXIMUM ALLOWABLE WIND PRESSURE & UPLIFT FOR ANY GIVEN MECHANICAL UNIT CONFIGURATION THAT CONFORMS TO THE DIMENSION RESTRICTIONS LISTED HEREIN. SEE SHEET 3 FOR MEAN UNIT HEIGHT & MAXIMUM FACE AREA CALCULATION DIRECTIVE. SEE SHEET 3 FOR COMPONENT SCHEDULE. SEE SHEET 17 FOR ANCHOR SCHEDULES.)

MECHANICAL UNIT/STAND CRITERIA:

CONSIDER THE INSTALLATION OF (4) MECHANICAL UNITS, (1)-20" TALL x 24" DEEP x 21" WIDE, (1)-29" TALL x 24" DEEP x 25" WIDE,(1)-22" TALL x 24" DEEP x 22" WIDE, (1)-25" TALL x 27" DEEP x 27" WIDE,[350 LB MAX WEIGHT] INSTALLED WITH THE FOLLOWING CRITERIA:

- NUMBER OF LEG FRAMES= (5) FRAMES
- STAND HEIGHT= 18" HEIGHT
- STAND DEPTH= 24" STAND DEPTH SPREAD
- HOST STRUCTURE TYPE= 3,000 PSI CONCRETE (AS VERIFIED BY OTHERS).



DESIGN SCHEDULE NOTES:

- 1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

DESIGN SCHEDULE NOTES:

- 1. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 2. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

TABLE LEGEND:

-DENOTES EXAMPLE VALUE FOR USE WITH COVER PAGE DIRECTIVE

PROCEDURE:

	PROCEDURE:	RESULT:
1	DETERMINE THE MEAN UNIT HEIGHT FOR THE GIVEN CONFIGURATION	SEE SHEET 3, CALCULATION DIRECTIVE STEP #1 FOR METHOD OF CALCULATING THE MEAN UNIT HEIGHT. FOR CLARIFICATION, THIS CONFIGURATION HAS BEEN WORKED OUT IN THE EXAMPLE SCENARIO. (MEAN UNIT HEIGHT = 24 in)
2	DETERMINE THE MAXIMUM FACE AREA FOR THE GIVEN CONFIGURATION	SEE SHEET 3, CALCULATION DIRECTIVE STEP #2 FOR METHOD OF CALCULATING THE MAXIMUM TOTAL UNIT FACE AREA. FOR CLARIFICATION, THIS CONFIGURATION HAS BEEN WORKED OUT IN THE EXAMPLE SCENARIO. (MAXIMUM UNIT FACE AREA = 2304 in²)
3	LOCATE DESIGN SCHEDULE THAT APPLIES TO THE GIVEN CONFIGURATION	SEE SHEET 4 FOR THE 24" STAND DEPTH WITH A MAXIMUM FACE AREA OF 2304 in ² .
4	DETERMINE THE MAXIMUM ALLOWABLE LATERAL & UPLIFT WIND LOADS	FOR A 2304 in ² MAX TOTAL UNIT FACE AREA ON A 18" STAND HEIGHT WITH (5) SUPPORTING FRAMES, THE ALLOWABLE WIND LOADS ARE AS FOLLOWS: • ALLOWABLE LATERAL WIND LOAD: 54.6 PSF • ALLOWABLE UPLIFT WIND LOAD: 43.1 PSF (FROM TABLE ABOVE)
5	INSTALL STAND PER PERMISSIBLE ANCHOR TYPES AND VERIFY HOST STRUCTURE TYPE	UTILIZE ANCHOR TYPES FROM DESIGN SCHEDULE ASSOCIATED WITH THE ALLOWABLE WIND VALUES DETERMINED IN STEP 4. FOR THE TABLE LISTING, ANCHOR TYPES 2 & 3 MAY BE APPLIED . FOR THIS EXAMPLE UTILIZE ANCHOR TYPE 2 FOR CONCRETE HOST STRUCTURE TYPE. INSTALL STANDS PER ANCHOR SCHEDULE AND DETAILS AS ILLUSTRATED ON SHEETS 17 & 18.

CONCLUSION:

6	MAXIMUM ALLOWABLE LATERAL DESIGN PRESSURE=	= 54.6 PSF (FROM TABLE ABOVE)
	MAXIMUM ALLOWABLE UPLIFT DESIGN PRESSURE=	= 43.1 PSF
7	COMPARE TO SITE SPECIFIC DESIGN CONDITIONS	COMPARE VALUES FROM STEP #6 TO THE SEPARATE SITE SPECIFIC REQUIRED DESIGN WIND PRESSURE PROVIDED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT; NOT INCLUDED IN THIS CERTIFICATION. SITE-SPECIFIC PRESSURE REQUIREMENTS SHALL BE LESS THAN OR EQUAL TO THE LATERAL AND UPLIFT DESIGN PRESSURE ALLOWABLE CAPACITY VALUES LISTED.

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SCALE: NTS UNLESS NOTED

4

OF 28

"STD" STAND DESIGN SCHEDULE CONTINUED									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	4

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



09/03/2026

FL 16921.1

1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

24" STAND DEPTH: MAX FACE AREA (4968in ² - 20736in ²), FRAME QUANTITY (9-12 FRAMES)																	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY					
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO														MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)		
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT									
18 "	24 "	4968 in ²	72.8 PSF	57.4 PSF	72.8 PSF	57.4 PSF	66.7 PSF	52.6 PSF	66.7 PSF	52.6 PSF	60.6 PSF	47.9 PSF	60.6 PSF	47.9 PSF	54.6 PSF	43.1 PSF	54.6 PSF	43.1 PSF	100.40 LB-FT	104.6 LB	353.6 LB	373.2 LB
24 "			57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	52.2 PSF	41.2 PSF	52.2 PSF	41.2 PSF	47.5 PSF	37.5 PSF	47.5 PSF	37.5 PSF	42.7 PSF	33.7 PSF	42.7 PSF	33.7 PSF	100.40 LB-FT	81.9 LB	314.2 LB	362.5 LB
30 "			47.0 PSF	37.1 PSF	47.0 PSF	37.1 PSF	43.1 PSF	34.0 PSF	43.1 PSF	34.0 PSF	39.1 PSF	30.9 PSF	39.1 PSF	30.9 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	100.40 LB-FT	67.5 LB	289.9 LB	356.4 LB
36 "			40.0 PSF	31.6 PSF	40.0 PSF	31.6 PSF	36.7 PSF	29.0 PSF	36.7 PSF	29.0 PSF	33.3 PSF	26.3 PSF	33.3 PSF	26.3 PSF	30.0 PSF	23.7 PSF	30.0 PSF	23.7 PSF	100.40 LB-FT	57.6 LB	273.4 LB	352.5 LB
18 "	30 "	8370 in ²	43.2 PSF	34.1 PSF	43.2 PSF	34.1 PSF	39.6 PSF	31.2 PSF	39.6 PSF	31.2 PSF	36.0 PSF	28.4 PSF	36.0 PSF	28.4 PSF	32.4 PSF	25.5 PSF	32.4 PSF	25.5 PSF	100.40 LB-FT	104.6 LB	379.7 LB	399.4 LB
24 "			33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	31.0 PSF	24.4 PSF	31.0 PSF	24.4 PSF	28.2 PSF	22.2 PSF	28.2 PSF	22.2 PSF	25.3 PSF	20.0 PSF	25.3 PSF	20.0 PSF	100.40 LB-FT	81.9 LB	334.7 LB	383.0 LB
30 "			27.9 PSF	22.0 PSF	27.9 PSF	22.0 PSF	25.5 PSF	20.1 PSF	25.5 PSF	20.1 PSF	23.2 PSF	18.3 PSF	23.2 PSF	18.3 PSF	20.9 PSF	16.5 PSF	20.9 PSF	16.5 PSF	100.40 LB-FT	67.5 LB	306.8 LB	373.3 LB
36 "			31.8 PSF	25.1 PSF	31.8 PSF	25.1 PSF	29.2 PSF	23.0 PSF	29.2 PSF	23.0 PSF	26.5 PSF	20.9 PSF	26.5 PSF	20.9 PSF	23.9 PSF	18.8 PSF	23.9 PSF	18.8 PSF	100.40 LB-FT	104.6 LB	405.9 LB	425.5 LB
18 "	36 "	11340 in ²	24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF	22.8 PSF	18.0 PSF	22.8 PSF	18.0 PSF	20.8 PSF	16.4 PSF	20.8 PSF	16.4 PSF					100.40 LB-FT	81.9 LB	355.2 LB	390.0 LB
24 "																						

36" STAND DEPTH: MAX FACE AREA (4968in ² - 20736in ²), FRAME QUANTITY (9-12 FRAMES)																	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY					
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	4968 in ²	68.1 PSF	53.7 PSF	68.1 PSF	53.7 PSF	62.4 PSF	49.2 PSF	62.4 PSF	49.2 PSF	56.7 PSF	44.8 PSF	56.7 PSF	44.8 PSF	51.0 PSF	40.3 PSF	51.0 PSF	40.3 PSF	100.40 LB-FT	97.9 LB	239.9 LB	268.1 LB
24 "			53.5 PSF	42.3 PSF	53.5 PSF	42.3 PSF	49.1 PSF	38.7 PSF	49.1 PSF	38.7 PSF	44.6 PSF	35.2 PSF	44.6 PSF	35.2 PSF	40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	100.40 LB-FT	77.0 LB	210.8 LB	265.4 LB
30 "			44.4 PSF	35.0 PSF	44.4 PSF	35.0 PSF	40.7 PSF	32.1 PSF	40.7 PSF	32.1 PSF	37.0 PSF	29.2 PSF	37.0 PSF	29.2 PSF	33.3 PSF	26.2 PSF	33.3 PSF	26.2 PSF	100.40 LB-FT	63.8 LB	193.1 LB	264.3 LB
36 "			38.0 PSF	30.0 PSF	38.0 PSF	30.0 PSF	34.8 PSF	27.5 PSF	34.8 PSF	27.5 PSF	31.6 PSF	25.0 PSF	31.6 PSF	25.0 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	100.40 LB-FT	54.6 LB	181.1 LB	263.9 LB
18 "	30 "	8370 in ²	40.4 PSF	31.9 PSF	40.4 PSF	31.9 PSF	37.0 PSF	29.2 PSF	37.0 PSF	29.2 PSF	33.6 PSF	26.5 PSF	33.6 PSF	26.5 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	100.40 LB-FT	97.9 LB	256.2 LB	284.4 LB
24 "			31.8 PSF	25.1 PSF	31.8 PSF	25.1 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	26.5 PSF	20.9 PSF	26.5 PSF	20.9 PSF	23.8 PSF	18.8 PSF	23.8 PSF	18.8 PSF	100.40 LB-FT	77.0 LB	223.7 LB	278.2 LB
30 "			26.3 PSF	20.8 PSF	26.3 PSF	20.8 PSF	24.1 PSF	19.0 PSF	24.1 PSF	19.0 PSF	21.9 PSF	17.3 PSF	21.9 PSF	17.3 PSF					100.40 LB-FT	63.8 LB	203.7 LB	261.4 LB
18 "			29.8 PSF	23.5 PSF	29.8 PSF	23.5 PSF	27.3 PSF	21.5 PSF	27.3 PSF	21.5 PSF	24.8 PSF	19.6 PSF	24.8 PSF	19.6 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF	100.40 LB-FT	97.9 LB	272.5 LB	300.7 LB

24" STAND DEPTH: MAX FACE AREA (2760in ² - 11520in ²), FRAME QUANTITY (5-8 FRAMES)																	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY					
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO														MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)		
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT									
18 "	24 "	2760 in ²	87.3 PSF	68.9 PSF	87.3 PSF	68.9 PSF	76.4 PSF	60.3 PSF	76.4 PSF	60.3 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	54.6 PSF	43.1 PSF	54.6 PSF	43.1 PSF	100.40 LB-FT	104.6 LB	356.4 LB	373.2 LB
24 "			68.4 PSF	54.0 PSF	68.4 PSF	54.0 PSF	59.8 PSF	47.2 PSF	59.8 PSF	47.2 PSF	51.3 PSF	40.5 PSF	51.3 PSF	40.5 PSF	42.7 PSF	33.7 PSF	42.7 PSF	33.7 PSF	100.40 LB-FT	81.9 LB	317.0 LB	362.5 LB
30 "			56.4 PSF	44.5 PSF	56.4 PSF	44.5 PSF	49.3 PSF	38.9 PSF	49.3 PSF	38.9 PSF	42.3 PSF	33.4 PSF	42.3 PSF	33.4 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	100.40 LB-FT	67.5 LB	292.7 LB	356.4 LB
36 "			48.0 PSF	37.9 PSF	48.0 PSF	37.9 PSF	42.0 PSF	33.2 PSF	42.0 PSF	33.2 PSF	36.0 PSF	28.4 PSF	36.0 PSF	28.4 PSF	30.0 PSF	23.7 PSF	30.0 PSF	23.7 PSF	100.40 LB-FT	57.6 LB	276.2 LB	352.5 LB
18 "	30 "	4650 in ²	51.8 PSF	40.9 PSF	51.8 PSF	40.9 PSF	45.3 PSF	35.8 PSF	45.3 PSF	35.8 PSF	38.8 PSF	30.7 PSF	38.8 PSF	30.7 PSF	32.4 PSF	25.5 PSF	32.4 PSF	25.5 PSF	100.40 LB-FT	104.6 LB	382.5 LB	399.4 LB
24 "			40.6 PSF	32.0 PSF	40.6 PSF	32.0 PSF	35.5 PSF	28.0 PSF	35.5 PSF	28.0 PSF	30.4 PSF	24.0 PSF	30.4 PSF	24.0 PSF	25.3 PSF	20.0 PSF	25.3 PSF	20.0 PSF	100.40 LB-FT	81.9 LB	337.5 LB	383.0 LB
30 "			33.4 PSF	26.4 PSF	33.4 PSF	26.4 PSF	29.3 PSF	23.1 PSF	29.3 PSF	23.1 PSF	25.1 PSF	19.8 PSF	25.1 PSF	19.8 PSF	20.9 PSF	16.5 PSF	20.9 PSF	16.5 PSF	100.40 LB-FT	67.5 LB	309.6 LB	373.3 LB
36 "			28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF	21.4 PSF	16.9 PSF	21.4 PSF	16.9 PSF	23.9 PSF	18.8 PSF	23.9 PSF	18.8 PSF	100.40 LB-FT	57.6 LB	290.6 LB	344.4 LB
18 "	36 "	6300 in ²	38.2 PSF	30.2 PSF	38.2 PSF	30.2 PSF	33.4 PSF	26.4 PSF	33.4 PSF	26.4 PSF	28.7 PSF	22.6 PSF	28.7 PSF	22.6 PSF	23.9 PSF	18.8 PSF	23.9 PSF	18.8 PSF	100.40 LB-FT	104.6 LB	408.7 LB	425.5 LB
24 "			29.9 PSF	23.6 PSF	29.9 PSF	23.6 PSF	26.2 PSF	20.7 PSF	26.2 PSF	20.7 PSF	22.4 PSF	17.7 PSF	22.4 PSF	17.7 PSF					100.40 LB-FT	81.9 LB	358.0 LB	381.0 LB
30 "			24.7 PSF	19.5 PSF	24.7 PSF	19.5 PSF	21.6 PSF	17.0 PSF	21.6 PSF	17.0 PSF									100.40 LB-FT	67.5 LB	326.5 LB	351.6 LB
36 "			21.0 PSF	16.6 PSF	21.0 PSF	16.6 PSF														100.40 LB-FT	57.6 LB	305.0 LB
18 "	42 "	8400 in ²	28.7 PSF	22.6 PSF	28.7 PSF	22.6 PSF	25.1 PSF	19.8 PSF	25.1 PSF	19.8 PSF	21.5 PSF	16.9 PSF	21.5 PSF	16.9 PSF					100.40 LB-FT	104.6 LB	434.9 LB	429.2 LB
24 "			22.4 PSF	17.7 PSF	22.4 PSF	17.7 PSF													100.40 LB-FT	81.9 LB	378.5 LB	373.4 LB

36" STAND DEPTH: MAX FACE AREA (2760in ² - 11520in ²), FRAME QUANTITY (5-8 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT					
18 "	24 "	2760 in ²	81.7 PSF	64.5 PSF	81.7 PSF	64.5 PSF	71.5 PSF	56.4 PSF	71.5 PSF	56.4 PSF	61.3 PSF	48.3 PSF	61.3 PSF	48.3 PSF	51.0 PSF	40.3 PSF	51.0 PSF	40.3 PSF	100.40 LB-FT	97.9 LB	242.7 LB	268.1 LB
24 "			64.3 PSF	50.7 PSF	64.3 PSF	50.7 PSF	56.2 PSF	44.4 PSF	56.2 PSF	44.4 PSF	48.2 PSF	38.0 PSF	48.2 PSF	38.0 PSF	40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	100.40 LB-FT	77.0 LB	213.6 LB	265.4 LB
30 "			53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	46.6 PSF	36.8 PSF	46.6 PSF	36.8 PSF	39.9 PSF	31.5 PSF	39.9 PSF	31.5 PSF	33.3 PSF	26.2 PSF	33.3 PSF	26.2 PSF	100.40 LB-FT	63.8 LB	195.9 LB	264.3 LB
36 "			45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	39.9 PSF	31.5 PSF	39.9 PSF	31.5 PSF	34.2 PSF	27.0 PSF	34.2 PSF	27.0 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	100.40 LB-FT	54.6 LB	183.9 LB	263.9 LB
18 "	30 "	4650 in ²	48.5 PSF	38.2 PSF	48.5 PSF	38.2 PSF	42.4 PSF	33.5 PSF	42.4 PSF	33.5 PSF	36.3 PSF	28.7 PSF	36.3 PSF	28.7 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	100.40 LB-FT	97.9 LB	259.0 LB	284.4 LB
24 "			38.1 PSF	30.1 PSF	38.1 PSF	30.1 PSF	33.6 PSF	26.3 PSF	33.6 PSF	26.3 PSF	28.6 PSF	22.6 PSF	28.6 PSF	22.6 PSF	23.8 PSF	18.8 PSF	23.8 PSF	18.8 PSF	100.40 LB-FT	77.0 LB	226.5 LB	278.2 LB
30 "			31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	27.6 PSF	21.8 PSF	27.6 PSF	21.8 PSF	23.7 PSF	18.7 PSF	23.7 PSF	18.7 PSF					100.40 LB-FT	63.8 LB	206.5 LB	252.4 LB
36 "			27.0 PSF	21.3 PSF	27.0 PSF	21.3 PSF	23.6 PSF	18.7 PSF	23.6 PSF	18.7 PSF	20.3 PSF	16.0 PSF	20.3 PSF	16.0 PSF					100.40 LB-FT	54.6 LB	193.0 LB	250.5 LB
18 "	36 "	6300 in ²	35.8 PSF	28.2 PSF	35.8 PSF	28.2 PSF	31.3 PSF	24.7 PSF	31.3 PSF	24.7 PSF	26.8 PSF	21.2 PSF	26.8 PSF	21.2 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF	100.40 LB-FT	97.9 LB	275.3 LB	300.7 LB
24 "			28.1 PSF	22.2 PSF	28.1 PSF	22.2 PSF	24.6 PSF	19.4 PSF	24.6 PSF	19.4 PSF	21.1 PSF	16.6 PSF	21.1 PSF	16.6 PSF					100.40 LB-FT	77.0 LB	239.3 LB	268.6 LB
30 "			23.3 PSF	18.4 PSF	23.3 PSF	18.4 PSF	20.4 PSF	16.1 PSF	20.4 PSF	16.1 PSF									100.40 LB-FT	63.8 LB	217.2 LB	247.0 LB
36 "																						
18 "	42 "	8400 in ²	26.8 PSF	21.2 PSF	26.8 PSF	21.2 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	20.1 PSF	15.9 PSF	20.1 PSF	15.9 PSF					100.40 LB-FT	97.9 LB	291.6 LB	294.5 LB
24 "			21.1 PSF	16.6 PSF	21.1 PSF	16.6 PSF													100.40 LB-FT	77.0 LB	252.1 LB	253.3 LB

PRECISION ALUMINUM PRODUCTS, INC.
1339 SW 1ST WAY
DEERFIELD BEACH, FL 33441
(954) 480-6919

ALUMINUM A/C STANDS

FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

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 SCALE: NTS UNLESS NOTED
 5 OF 28

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 No 0046549
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 09/03/2026

FL 16921.1

1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

36" STANDARD DEPTH: MAX FACE AREA (1656in ² - 6912in ²), FRAME QUANTITY (3-6 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1656 in ²	102.1 PSF	80.6 PSF	102.1 PSF	80.6 PSF	85.1 PSF	67.2 PSF	85.1 PSF	67.2 PSF	68.1 PSF	53.7 PSF	68.1 PSF	53.7 PSF	51.0 PSF	40.3 PSF	51.0 PSF	40.3 PSF	100.40 LB-FT	97.9 LB	245.5 LB	268.1 LB
24 "			80.3 PSF	63.4 PSF	80.3 PSF	63.4 PSF	66.9 PSF	52.8 PSF	66.9 PSF	52.8 PSF	53.5 PSF	42.3 PSF	53.5 PSF	42.3 PSF	40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	100.40 LB-FT	77.0 LB	216.4 LB	265.4 LB
30 "			66.6 PSF	52.5 PSF	66.6 PSF	52.5 PSF	55.5 PSF	43.8 PSF	55.5 PSF	43.8 PSF	44.4 PSF	35.0 PSF	44.4 PSF	35.0 PSF	33.3 PSF	26.2 PSF	33.3 PSF	26.2 PSF	100.40 LB-FT	63.8 LB	198.7 LB	264.3 LB
36 "			57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	47.5 PSF	37.5 PSF	47.5 PSF	37.5 PSF	38.0 PSF	30.0 PSF	38.0 PSF	30.0 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	100.40 LB-FT	54.6 LB	186.7 LB	263.9 LB
18 "	30 "	2790 in ²	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	50.5 PSF	39.8 PSF	50.5 PSF	39.8 PSF	40.4 PSF	31.9 PSF	40.4 PSF	31.9 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	100.40 LB-FT	97.9 LB	261.8 LB	284.4 LB
24 "			47.7 PSF	37.6 PSF	47.7 PSF	37.6 PSF	39.7 PSF	31.3 PSF	39.7 PSF	31.3 PSF	31.8 PSF	25.1 PSF	31.8 PSF	25.1 PSF	23.8 PSF	18.8 PSF	23.8 PSF	18.8 PSF	100.40 LB-FT	77.0 LB	229.3 LB	278.2 LB
30 "			39.5 PSF	31.2 PSF	39.5 PSF	31.2 PSF	32.9 PSF	26.0 PSF	32.9 PSF	26.0 PSF	26.3 PSF	20.8 PSF	26.3 PSF	20.8 PSF	23.8 PSF	18.8 PSF	23.8 PSF	18.8 PSF	100.40 LB-FT	63.8 LB	209.3 LB	241.2 LB
36 "			33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	28.2 PSF	22.2 PSF	28.2 PSF	22.2 PSF	22.5 PSF	17.8 PSF	22.5 PSF	17.8 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF	100.40 LB-FT	54.6 LB	195.8 LB	239.3 LB
18 "	36 "	3780 in ²	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	37.2 PSF	29.4 PSF	37.2 PSF	29.4 PSF	29.8 PSF	23.5 PSF	29.8 PSF	23.5 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF	100.40 LB-FT	97.9 LB	278.1 LB	300.7 LB
24 "			35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	29.3 PSF	23.1 PSF	29.3 PSF	23.1 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF					100.40 LB-FT	77.0 LB	242.1 LB	257.3 LB
30 "			29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	24.3 PSF	19.1 PSF	24.3 PSF	19.1 PSF									100.40 LB-FT	63.8 LB	220.0 LB	231.6 LB
36 "			24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF	20.8 PSF	16.4 PSF	20.8 PSF	16.4 PSF									100.40 LB-FT	54.6 LB	204.9 LB	228.1 LB
18 "	42 "	5040 in ²	33.5 PSF	26.5 PSF	33.5 PSF	26.5 PSF	27.9 PSF	22.0 PSF	27.9 PSF	22.0 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF					100.40 LB-FT	97.9 LB	294.5 LB	283.3 LB
24 "			26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	22.0 PSF	17.3 PSF	22.0 PSF	17.3 PSF									100.40 LB-FT	77.0 LB	255.0 LB	249.9 LB
30 "			21.8 PSF	17.2 PSF	21.8 PSF	17.2 PSF													100.40 LB-FT	63.8 LB	230.6 LB	228.7 LB

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ALUMINUM A/C STANDS

FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

[illegible]

SCALE: NTS UNLESS NOTED

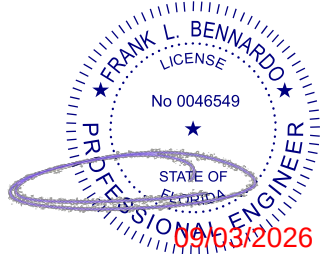
6

"STD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



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FL 16921.1

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ALUMINUM A/C STANDS
FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

REMARKS	DRWN	CHKD	DATE	PREV. SUBMITTAL (20-32768)	CSL	RWN	DATE	2023 FBC UPDATE & TECH. CHANGES	MRT	RWN	DATE	2026 FBC UPDATE & TECH. CHANGES	MRT	RWN	DATE
			12/15/20				12/08/23				08/13/26				

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SCALE: NTS UNLESS NOTED

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OF 28

24" STAND DEPTH: MAX FACE AREA (1104in ² - 4608in ²), FRAME QUANTITY (2-5 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	1104 in ²	136.5 PSF	107.7 PSF	136.5 PSF	107.7 PSF	109.2 PSF	86.2 PSF	109.2 PSF	86.2 PSF	81.9 PSF	64.6 PSF	81.9 PSF	64.6 PSF	54.6 PSF	43.1 PSF	43.1 PSF	100.40 LB-FT	104.6 LB	361.4 LB	373.2 LB	
24 "			106.9 PSF	84.4 PSF	106.9 PSF	84.4 PSF	85.5 PSF	67.5 PSF	85.5 PSF	67.5 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	42.7 PSF	33.7 PSF	33.7 PSF	100.40 LB-FT	81.9 LB	322.1 LB	362.5 LB	
30 "			88.1 PSF	69.6 PSF	88.1 PSF	69.6 PSF	70.5 PSF	55.6 PSF	70.5 PSF	55.6 PSF	52.8 PSF	41.7 PSF	52.8 PSF	41.7 PSF	35.2 PSF	27.8 PSF	27.8 PSF	100.40 LB-FT	67.5 LB	297.8 LB	356.4 LB	
36 "			75.1 PSF	59.3 PSF	75.1 PSF	59.3 PSF	60.1 PSF	47.4 PSF	60.1 PSF	47.4 PSF	45.0 PSF	35.5 PSF	45.0 PSF	35.5 PSF	30.0 PSF	23.7 PSF	23.7 PSF	100.40 LB-FT	57.6 LB	281.2 LB	352.5 LB	
18 "	30 "	1860 in ²	81.0 PSF	63.9 PSF	81.0 PSF	63.9 PSF	64.8 PSF	51.1 PSF	64.8 PSF	51.1 PSF	48.6 PSF	38.3 PSF	48.6 PSF	38.3 PSF	32.4 PSF	25.5 PSF	25.5 PSF	100.40 LB-FT	104.6 LB	387.6 LB	399.4 LB	
24 "			63.4 PSF	50.1 PSF	63.4 PSF	50.1 PSF	50.7 PSF	40.0 PSF	50.7 PSF	40.0 PSF	38.0 PSF	30.0 PSF	38.0 PSF	30.0 PSF	25.3 PSF	20.0 PSF	20.0 PSF	100.40 LB-FT	81.9 LB	342.6 LB	383.0 LB	
30 "			52.3 PSF	41.3 PSF	52.3 PSF	41.3 PSF	41.8 PSF	33.0 PSF	41.8 PSF	33.0 PSF	31.3 PSF	24.7 PSF	31.3 PSF	24.7 PSF	20.9 PSF	16.5 PSF	16.5 PSF	100.40 LB-FT	67.5 LB	314.7 LB	373.3 LB	
36 "			44.5 PSF	35.2 PSF	44.5 PSF	35.2 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	26.7 PSF	21.1 PSF	26.7 PSF	21.1 PSF				100.40 LB-FT	57.6 LB	295.7 LB	321.9 LB	
18 "	36 "	2520 in ²	59.8 PSF	47.2 PSF	59.8 PSF	47.2 PSF	47.8 PSF	37.7 PSF	47.8 PSF	37.7 PSF	35.8 PSF	28.3 PSF	35.8 PSF	28.3 PSF	23.9 PSF	18.8 PSF	18.8 PSF	100.40 LB-FT	104.6 LB	413.8 LB	425.5 LB	
24 "			46.8 PSF	36.9 PSF	46.8 PSF	36.9 PSF	37.4 PSF	29.5 PSF	37.4 PSF	29.5 PSF	28.1 PSF	22.1 PSF	28.1 PSF	22.1 PSF				100.40 LB-FT	81.9 LB	363.1 LB	358.5 LB	
30 "			38.6 PSF	30.4 PSF	38.6 PSF	30.4 PSF	30.8 PSF	24.3 PSF	30.8 PSF	24.3 PSF	23.1 PSF	18.2 PSF	23.1 PSF	18.2 PSF				100.40 LB-FT	67.5 LB	331.6 LB	345.2 LB	
36 "			32.9 PSF	25.9 PSF	32.9 PSF	25.9 PSF	26.3 PSF	20.7 PSF	26.3 PSF	20.7 PSF								100.40 LB-FT	57.6 LB	310.1 LB	313.8 LB	
18 "	42 "	3360 in ²	44.8 PSF	35.4 PSF	44.8 PSF	35.4 PSF	35.8 PSF	28.3 PSF	35.8 PSF	28.3 PSF	26.9 PSF	21.2 PSF	26.9 PSF	21.2 PSF				100.40 LB-FT	104.6 LB	439.9 LB	406.7 LB	
24 "			35.1 PSF	27.7 PSF	35.1 PSF	27.7 PSF	28.1 PSF	22.1 PSF	28.1 PSF	22.1 PSF	21.0 PSF	16.6 PSF	21.0 PSF	16.6 PSF				100.40 LB-FT	81.9 LB	383.5 LB	379.0 LB	
30 "			28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	23.1 PSF	18.2 PSF	23.1 PSF	18.2 PSF								100.40 LB-FT	67.5 LB	348.5 LB	339.6 LB	
36 "			24.6 PSF	19.4 PSF	24.6 PSF	19.4 PSF													100.40 LB-FT	57.6 LB	324.5 LB	314.7 LB
18 "	48 "	4608 in ²	32.7 PSF	25.8 PSF	32.7 PSF	25.8 PSF	26.1 PSF	20.6 PSF	26.1 PSF	20.6 PSF								100.40 LB-FT	104.6 LB	466.1 LB	410.4 LB	
24 "			25.6 PSF	20.2 PSF	25.6 PSF	20.2 PSF	20.4 PSF	16.1 PSF	20.4 PSF	16.1 PSF								100.40 LB-FT	81.9 LB	404.0 LB	377.0 LB	

36" STAND DEPTH: MAX FACE AREA (1104in² - 4608in²), FRAME QUANTITY (2-5 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT									
18 "	24 "	1104 in²	127.7 PSF	100.8 PSF	127.7 PSF	100.8 PSF	102.1 PSF	80.6 PSF	102.1 PSF	80.6 PSF	76.6 PSF	60.4 PSF	76.6 PSF	60.4 PSF	51.0 PSF	40.3 PSF	51.0 PSF	40.3 PSF	100.40 LB-FT	97.9 LB	247.8 LB	268.1 LB
24 "			100.4 PSF	79.3 PSF	100.4 PSF	79.3 PSF	80.3 PSF	63.4 PSF	80.3 PSF	63.4 PSF	60.2 PSF	47.5 PSF	60.2 PSF	47.5 PSF	40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	100.40 LB-FT	77.0 LB	218.7 LB	265.4 LB
30 "			83.2 PSF	65.7 PSF	83.2 PSF	65.7 PSF	66.6 PSF	52.5 PSF	66.6 PSF	52.5 PSF	49.9 PSF	39.4 PSF	49.9 PSF	39.4 PSF	33.3 PSF	26.2 PSF	33.3 PSF	26.2 PSF	100.40 LB-FT	63.8 LB	200.9 LB	264.3 LB
36 "			71.2 PSF	56.2 PSF	71.2 PSF	56.2 PSF	57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	42.7 PSF	33.7 PSF	42.7 PSF	33.7 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	100.40 LB-FT	54.6 LB	188.9 LB	263.9 LB
18 "	30 "	1860 in²	75.8 PSF	59.8 PSF	75.8 PSF	59.8 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	45.4 PSF	35.9 PSF	45.4 PSF	35.9 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	100.40 LB-FT	97.9 LB	264.1 LB	284.4 LB
24 "			59.6 PSF	47.0 PSF	59.6 PSF	47.0 PSF	47.7 PSF	37.6 PSF	47.7 PSF	37.6 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	23.8 PSF	18.8 PSF	23.8 PSF	18.8 PSF	100.40 LB-FT	77.0 LB	231.5 LB	278.2 LB
30 "			49.4 PSF	39.0 PSF	49.4 PSF	39.0 PSF	39.5 PSF	31.2 PSF	39.5 PSF	31.2 PSF	29.6 PSF	23.4 PSF	29.6 PSF	23.4 PSF					100.40 LB-FT	63.8 LB	211.6 LB	229.9 LB
36 "			42.3 PSF	33.4 PSF	42.3 PSF	33.4 PSF	33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	25.3 PSF	20.0 PSF	25.3 PSF	20.0 PSF					100.40 LB-FT	54.6 LB	198.0 LB	228.0 LB
18 "	36 "	2520 in²	55.9 PSF	44.1 PSF	55.9 PSF	44.1 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	33.5 PSF	26.5 PSF	33.5 PSF	26.5 PSF	22.3 PSF	17.6 PSF	22.3 PSF	17.6 PSF	100.40 LB-FT	97.9 LB	280.4 LB	300.7 LB
24 "			44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF					100.40 LB-FT	77.0 LB	244.4 LB	246.1 LB
30 "			36.4 PSF	28.7 PSF	36.4 PSF	28.7 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	21.8 PSF	17.2 PSF	21.8 PSF	17.2 PSF					100.40 LB-FT	63.8 LB	222.2 LB	240.6 LB
36 "			31.2 PSF	24.6 PSF	31.2 PSF	24.6 PSF	24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF									100.40 LB-FT	54.6 LB	207.1 LB	214.6 LB
18 "	42 "	3360 in²	41.9 PSF	33.1 PSF	41.9 PSF	33.1 PSF	33.5 PSF	26.5 PSF	33.5 PSF	26.5 PSF	25.1 PSF	19.8 PSF	25.1 PSF	19.8 PSF					100.40 LB-FT	97.9 LB	296.7 LB	272.0 LB
24 "			33.0 PSF	26.0 PSF	33.0 PSF	26.0 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF									100.40 LB-FT	77.0 LB	257.2 LB	236.4 LB
30 "			27.3 PSF	21.5 PSF	27.3 PSF	21.5 PSF	21.8 PSF	17.2 PSF	21.8 PSF	17.2 PSF									100.40 LB-FT	63.8 LB	232.9 LB	228.7 LB
36 "			23.4 PSF	18.4 PSF	23.4 PSF	18.4 PSF														100.40 LB-FT	54.6 LB	216.2 LB
18 "	48 "	4608 in²	30.5 PSF	24.1 PSF	30.5 PSF	24.1 PSF	24.4 PSF	19.3 PSF	24.4 PSF	19.3 PSF									100.40 LB-FT	97.9 LB	313.0 LB	265.8 LB
24 "			24.0 PSF	19.0 PSF	24.0 PSF	19.0 PSF													100.40 LB-FT	77.0 LB	270.0 LB	235.7 LB

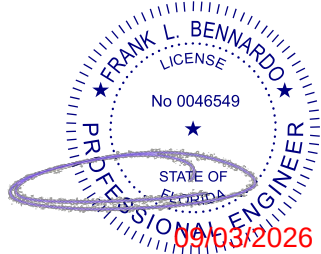
24" STAND DEPTH: MAX FACE AREA (552in ² - 2304in ²), FRAME QUANTITY (2-3 FRAMES)										LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				36" STAND DEPTH: MAX FACE AREA (552in ² - 2304in ²), FRAME QUANTITY (2-3 FRAMES)										LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY					
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES											MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3									ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT					MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT					MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	
18 "	24 "	552 in ²	163.8 PSF	129.3 PSF	163.8 PSF	129.3 PSF	102.9 PSF	86.2 PSF	109.2 PSF	86.2 PSF	100.40 LB-FT	104.6 LB	362.9 LB	305.7 LB	18 "	24 "	552 in ²	153.2 PSF	120.9 PSF	153.2 PSF	120.9 PSF	102.1 PSF	80.6 PSF	102.1 PSF	80.6 PSF	100.40 LB-FT	97.9 LB	249.3 LB	200.6 LB
24 "			128.3 PSF	101.2 PSF	128.3 PSF	101.2 PSF	85.5 PSF	67.5 PSF	85.5 PSF	67.5 PSF	100.40 LB-FT	81.9 LB	323.6 LB	295.0 LB	24 "			120.5 PSF	95.1 PSF	120.5 PSF	95.1 PSF	80.3 PSF	63.4 PSF	80.3 PSF	63.4 PSF	100.40 LB-FT	77.0 LB	220.2 LB	197.9 LB
30 "			105.7 PSF	83.5 PSF	105.7 PSF	83.5 PSF	70.5 PSF	55.6 PSF	70.5 PSF	55.6 PSF	100.40 LB-FT	67.5 LB	299.3 LB	288.9 LB	30 "			99.9 PSF	78.8 PSF	99.9 PSF	78.8 PSF	66.6 PSF	52.5 PSF	66.6 PSF	52.5 PSF	100.40 LB-FT	63.8 LB	202.4 LB	196.8 LB
36 "			90.1 PSF	71.1 PSF	90.1 PSF	71.1 PSF	60.1 PSF	47.4 PSF	60.1 PSF	47.4 PSF	100.40 LB-FT	57.6 LB	282.7 LB	285.0 LB	36 "			85.5 PSF	67.5 PSF	85.5 PSF	67.5 PSF	57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	100.40 LB-FT	54.6 LB	190.4 LB	196.4 LB
18 "	30 "	930 in ²	97.2 PSF	76.7 PSF	97.2 PSF	76.7 PSF	64.8 PSF	51.1 PSF	64.8 PSF	51.1 PSF	100.40 LB-FT	104.6 LB	389.1 LB	331.9 LB	18 "	30 "	930 in ²	90.9 PSF	71.8 PSF	90.9 PSF	71.8 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	100.40 LB-FT	97.9 LB	265.6 LB	216.9 LB
24 "			76.1 PSF	60.1 PSF	76.1 PSF	60.1 PSF	50.7 PSF	40.0 PSF	50.7 PSF	40.0 PSF	100.40 LB-FT	81.9 LB	344.1 LB	315.5 LB	24 "			71.5 PSF	56.5 PSF	71.5 PSF	56.5 PSF	47.7 PSF	37.6 PSF	47.7 PSF	37.6 PSF	100.40 LB-FT	77.0 LB	233.0 LB	210.7 LB
30 "			62.7 PSF	49.5 PSF	62.7 PSF	49.5 PSF	41.8 PSF	33.0 PSF	41.8 PSF	33.0 PSF	100.40 LB-FT	67.5 LB	316.2 LB	305.8 LB	30 "			59.3 PSF	46.8 PSF	59.3 PSF	46.8 PSF	39.5 PSF	31.2 PSF	39.5 PSF	31.2 PSF	100.40 LB-FT	63.8 LB	213.1 LB	207.4 LB
36 "			53.5 PSF	42.2 PSF	53.5 PSF	42.2 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	100.40 LB-FT	57.6 LB	297.2 LB	299.4 LB	36 "			50.7 PSF	40.0 PSF	50.7 PSF	40.0 PSF	33.8 PSF	26.7 PSF	33.8 PSF	26.7 PSF	100.40 LB-FT	54.6 LB	199.5 LB	205.5 LB
18 "	36 "	1260 in ²	71.7 PSF	56.6 PSF	71.7 PSF	56.6 PSF	47.8 PSF	37.7 PSF	47.8 PSF	37.7 PSF	100.40 LB-FT	104.6 LB	415.3 LB	358.0 LB	18 "	36 "	1260 in ²	67.1 PSF	53.0 PSF	67.1 PSF	53.0 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	100.40 LB-FT	97.9 LB	281.9 LB	233.2 LB
24 "			56.2 PSF	44.3 PSF	56.2 PSF	44.3 PSF	37.4 PSF	29.5 PSF	37.4 PSF	29.5 PSF	100.40 LB-FT	81.9 LB	364.6 LB	336.0 LB	24 "			52.8 PSF	41.7 PSF	52.8 PSF	41.7 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	100.40 LB-FT	77.0 LB	245.9 LB	223.6 LB
30 "			46.3 PSF	36.5 PSF	46.3 PSF	36.5 PSF	30.8 PSF	24.3 PSF	30.8 PSF	24.3 PSF	100.40 LB-FT	67.5 LB	333.1 LB	322.7 LB	30 "			43.7 PSF	34.5 PSF	43.7 PSF	34.5 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	100.40 LB-FT	63.8 LB	223.7 LB	218.1 LB
36 "			39.5 PSF	31.1 PSF	39.5 PSF	31.1 PSF	26.3 PSF	20.7 PSF	26.3 PSF	20.7 PSF	100.40 LB-FT	57.6 LB	311.6 LB	313.8 LB	36 "			37.4 PSF	29.5 PSF	37.4 PSF	29.5 PSF	24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF	100.40 LB-FT	54.6 LB	208.6 LB	214.6 LB
18 "	42 "	1680 in ²	53.8 PSF	42.4 PSF	53.8 PSF	42.4 PSF	35.8 PSF	28.3 PSF	35.8 PSF	28.3 PSF	100.40 LB-FT	104.6 LB	441.4 LB	384.2 LB	18 "	42 "	1680 in ²	50.3 PSF	39.7 PSF	50.3 PSF	39.7 PSF	33.5 PSF	26.5 PSF	33.5 PSF	26.5 PSF	100.40 LB-FT	97.9 LB	298.2 LB	249.5 LB
24 "			42.1 PSF	33.2 PSF	42.1 PSF	33.2 PSF	28.1 PSF	22.1 PSF	28.1 PSF	22.1 PSF	100.40 LB-FT	81.9 LB	385.0 LB	356.5 LB	24 "			39.6 PSF	31.2 PSF	39.6 PSF	31.2 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	100.40 LB-FT	77.0 LB	258.7 LB	236.4 LB
30 "			34.7 PSF	27.4 PSF	34.7 PSF	27.4 PSF	23.1 PSF	18.2 PSF	23.1 PSF	18.2 PSF	100.40 LB-FT	67.5 LB	350.0 LB	339.6 LB	30 "			32.8 PSF	25.9 PSF	32.8 PSF	25.9 PSF	21.8 PSF	17.2 PSF	21.8 PSF	17.2 PSF	100.40 LB-FT	63.8 LB	234.4 LB	228.7 LB
36 "			29.6 PSF	23.3 PSF	29.6 PSF	23.3 PSF					100.40 LB-FT	57.6 LB	326.0 LB	305.7 LB	36 "			28.1 PSF	22.1 PSF	28.1 PSF	22.1 PSF					100.40 LB-FT	54.6 LB	217.7 LB	201.2 LB
18 "	48 "	2304 in ²	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	26.1 PSF	20.6 PSF	26.1 PSF	20.6 PSF	100.40 LB-FT	104.6 LB	467.6 LB	410.4 LB	18 "	48 "	2304 in ²	36.7 PSF	28.9 PSF	36.7 PSF	28.9 PSF	24.4 PSF	19.3 PSF	24.4 PSF	19.3 PSF	100.40 LB-FT	97.9 LB	314.5 LB	265.8 LB
24 "			30.7 PSF	24.2 PSF	30.7 PSF	24.2 PSF	20.4 PSF	16.1 PSF	20.4 PSF	16.1 PSF	100.40 LB-FT	81.9 LB	405.5 LB	377.0 LB	24 "			28.8 PSF	22.8 PSF	28.8 PSF	22.8 PSF					100.40 LB-FT	77.0 LB	271.5 LB	226.7 LB
30 "			25.3 PSF	20.0 PSF	25.3 PSF	20.0 PSF					100.40 LB-FT	67.5 LB	366.9 LB	334.0 LB	30 "			23.9 PSF	18.8 PSF	23.9 PSF	18.8 PSF					100.40 LB-FT	63.8 LB	245.0 LB	216.9 LB

"HD" STAND DESIGN SCHEDULE

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

FL 16921.1

24" STAND DEPTH: MAX FACE AREA (6624in² - 27648in²), FRAME QUANTITY (12-15 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	6624 in²	157.4 PSF	124.3 PSF	134.0 PSF	105.8 PSF	146.9 PSF	116.0 PSF	125.1 PSF	98.8 PSF	136.4 PSF	107.7 PSF	116.2 PSF	91.8 PSF	125.9 PSF	99.4 PSF	84.7 PSF	247.00 LB-FT	241.4 LB	836.6 LB	684.6 LB	
24 "			123.8 PSF	97.8 PSF	110.5 PSF	87.2 PSF	115.6 PSF	91.2 PSF	103.2 PSF	81.4 PSF	107.3 PSF	84.7 PSF	95.8 PSF	75.6 PSF	99.1 PSF	78.2 PSF	88.5 PSF	247.00 LB-FT	189.9 LB	749.3 LB	662.4 LB	
30 "			102.0 PSF	80.6 PSF	102.0 PSF	80.6 PSF	95.2 PSF	75.2 PSF	95.2 PSF	75.2 PSF	88.4 PSF	69.8 PSF	88.4 PSF	69.8 PSF	81.6 PSF	64.4 PSF	81.6 PSF	64.4 PSF	245.70 LB-FT	156.5 LB	692.6 LB	647.8 LB
36 "			81.4 PSF	64.3 PSF	81.4 PSF	64.3 PSF	76.0 PSF	60.0 PSF	76.0 PSF	60.0 PSF	70.5 PSF	55.7 PSF	70.5 PSF	55.7 PSF	65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	229.00 LB-FT	124.8 LB	611.3 LB	606.6 LB
18 "	30 "	11160 in²	93.4 PSF	73.7 PSF	78.3 PSF	61.8 PSF	87.2 PSF	68.8 PSF	73.1 PSF	57.7 PSF	81.0 PSF	63.9 PSF	67.9 PSF	53.6 PSF	74.7 PSF	59.0 PSF	62.7 PSF	247.00 LB-FT	241.4 LB	897.0 LB	745.0 LB	
24 "			73.5 PSF	58.0 PSF	64.7 PSF	51.1 PSF	68.6 PSF	54.1 PSF	60.4 PSF	47.7 PSF	63.7 PSF	50.3 PSF	56.1 PSF	44.3 PSF	58.8 PSF	46.4 PSF	51.9 PSF	247.00 LB-FT	189.9 LB	796.8 LB	709.9 LB	
30 "			60.5 PSF	47.8 PSF	60.5 PSF	47.8 PSF	56.5 PSF	44.6 PSF	56.5 PSF	44.6 PSF	52.5 PSF	41.4 PSF	52.5 PSF	41.4 PSF	48.4 PSF	38.2 PSF	48.4 PSF	245.70 LB-FT	156.5 LB	731.7 LB	687.0 LB	
36 "			48.3 PSF	38.1 PSF	48.3 PSF	38.1 PSF	45.1 PSF	35.6 PSF	45.1 PSF	35.6 PSF	41.8 PSF	33.0 PSF	41.8 PSF	33.0 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	229.00 LB-FT	124.8 LB	642.5 LB	637.8 LB
18 "	36 "	15120 in²	68.9 PSF	54.4 PSF	56.9 PSF	44.9 PSF	64.3 PSF	50.8 PSF	53.2 PSF	42.0 PSF	59.7 PSF	47.2 PSF	49.4 PSF	39.0 PSF	55.1 PSF	43.5 PSF	45.6 PSF	247.00 LB-FT	241.4 LB	957.3 LB	805.3 LB	
24 "			54.2 PSF	42.8 PSF	47.2 PSF	37.2 PSF	50.6 PSF	39.9 PSF	44.0 PSF	34.8 PSF	47.0 PSF	37.1 PSF	40.9 PSF	32.3 PSF	43.4 PSF	34.2 PSF	37.8 PSF	247.00 LB-FT	189.9 LB	844.3 LB	757.3 LB	
30 "			44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	41.7 PSF	32.9 PSF	41.7 PSF	32.9 PSF	38.7 PSF	30.6 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	35.7 PSF	245.70 LB-FT	156.5 LB	770.9 LB	726.1 LB	
36 "			35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	33.3 PSF	26.2 PSF	33.3 PSF	26.2 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	229.00 LB-FT	124.8 LB	673.8 LB	669.0 LB
18 "	42 "	20160 in²	51.5 PSF	40.6 PSF	42.1 PSF	33.2 PSF	48.1 PSF	37.9 PSF	39.3 PSF	31.0 PSF	44.6 PSF	35.2 PSF	36.5 PSF	28.8 PSF	41.2 PSF	32.5 PSF	33.7 PSF	246.30 LB-FT	240.7 LB	1013.3 LB	863.4 LB	
24 "			40.7 PSF	32.1 PSF	34.9 PSF	27.6 PSF	37.9 PSF	29.9 PSF	32.6 PSF	25.7 PSF	37.2 PSF	27.8 PSF	30.3 PSF	23.9 PSF	32.5 PSF	25.7 PSF	28.0 PSF	247.00 LB-FT	189.9 LB	891.8 LB	804.8 LB	
30 "			33.5 PSF	26.4 PSF	33.5 PSF	26.4 PSF	31.3 PSF	24.7 PSF	31.3 PSF	24.7 PSF	29.0 PSF	22.9 PSF	29.0 PSF	22.9 PSF	26.8 PSF	21.1 PSF	26.8 PSF	245.70 LB-FT	156.5 LB	810.0 LB	765.2 LB	
36 "			26.7 PSF	21.1 PSF	26.7 PSF	21.1 PSF	24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF	23.1 PSF	18.3 PSF	23.1 PSF	18.3 PSF	21.4 PSF	16.9 PSF	21.4 PSF	229.00 LB-FT	124.8 LB	705.0 LB	700.2 LB	
18 "	48 "	27648 in²	36.9 PSF	29.2 PSF	30.2 PSF	23.8 PSF	34.5 PSF	27.2 PSF	28.2 PSF	22.3 PSF	32.0 PSF	25.3 PSF	26.2 PSF	20.7 PSF	29.6 PSF	23.3 PSF	24.2 PSF	242.50 LB-FT	237.0 LB	1056.7 LB	911.5 LB	
24 "			29.6 PSF	23.4 PSF	25.2 PSF	19.8 PSF	27.7 PSF	21.8 PSF	23.5 PSF	18.5 PSF	25.7 PSF	20.3 PSF	21.8 PSF	17.2 PSF	23.7 PSF	18.7 PSF	20.1 PSF	247.00 LB-FT	189.9 LB	939.3 LB	852.3 LB	
30 "			24.4 PSF	19.3 PSF	24.4 PSF	19.3 PSF	22.8 PSF	18.0 PSF	22.8 PSF	18.0 PSF	21.1 PSF	16.7 PSF	21.1 PSF	16.7 PSF	23.7 PSF	18.7 PSF	20.1 PSF	245.70 LB-FT	156.5 LB	849.1 LB	794.0 LB	

36" STAND DEPTH: MAX FACE AREA (6624in ² - 27648in ²), FRAME QUANTITY (12-15 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	6624 in ²	146.9 PSF	115.9 PSF	135.1 PSF	106.7 PSF	137.1 PSF	108.2 PSF	126.2 PSF	99.6 PSF	127.3 PSF	100.5 PSF	117.2 PSF	92.5 PSF	117.5 PSF	92.7 PSF	108.2 PSF	85.4 PSF	247.00 LB-FT	225.2 LB	572.8 LB	441.3 LB
24 "			115.7 PSF	91.3 PSF	111.1 PSF	87.7 PSF	108.0 PSF	85.2 PSF	103.7 PSF	81.9 PSF	100.3 PSF	79.2 PSF	96.4 PSF	76.1 PSF	92.6 PSF	73.1 PSF	89.0 PSF	70.2 PSF	247.00 LB-FT	177.4 LB	506.7 LB	435.4 LB
30 "			96.1 PSF	75.9 PSF	96.1 PSF	75.9 PSF	89.7 PSF	70.8 PSF	89.7 PSF	70.8 PSF	83.3 PSF	65.8 PSF	83.3 PSF	65.8 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	247.00 LB-FT	147.4 LB	467.1 LB	433.8 LB
36 "			82.5 PSF	65.2 PSF	82.5 PSF	65.2 PSF	77.0 PSF	60.8 PSF	77.0 PSF	60.8 PSF	71.5 PSF	56.5 PSF	71.5 PSF	56.5 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	247.00 LB-FT	126.6 LB	440.8 LB	433.8 LB
18 "	30 "	11160 in ²	87.2 PSF	68.8 PSF	79.4 PSF	62.6 PSF	81.3 PSF	64.2 PSF	74.1 PSF	58.5 PSF	75.5 PSF	59.6 PSF	68.8 PSF	54.3 PSF	69.7 PSF	55.0 PSF	63.6 PSF	50.2 PSF	247.00 LB-FT	225.2 LB	610.4 LB	478.8 LB
24 "			68.7 PSF	54.2 PSF	65.4 PSF	51.6 PSF	64.1 PSF	50.6 PSF	61.0 PSF	48.2 PSF	59.5 PSF	47.0 PSF	56.7 PSF	44.7 PSF	54.9 PSF	43.3 PSF	52.4 PSF	41.3 PSF	247.00 LB-FT	177.4 LB	536.2 LB	465.0 LB
30 "			57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	49.4 PSF	39.0 PSF	49.4 PSF	39.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	147.4 LB	491.6 LB	458.4 LB
36 "			49.0 PSF	38.7 PSF	49.0 PSF	38.7 PSF	45.7 PSF	36.1 PSF	45.7 PSF	36.1 PSF	42.4 PSF	33.5 PSF	42.4 PSF	33.5 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	247.00 LB-FT	126.6 LB	461.9 LB	454.9 LB
18 "	36 "	15120 in ²	64.3 PSF	50.8 PSF	58.0 PSF	45.8 PSF	60.0 PSF	47.4 PSF	54.1 PSF	42.7 PSF	55.7 PSF	44.0 PSF	50.3 PSF	39.7 PSF	51.4 PSF	40.6 PSF	46.4 PSF	36.6 PSF	247.00 LB-FT	225.2 LB	647.9 LB	516.4 LB
24 "			50.7 PSF	40.0 PSF	47.8 PSF	37.8 PSF	47.3 PSF	37.3 PSF	44.7 PSF	35.2 PSF	43.9 PSF	34.6 PSF	41.5 PSF	32.7 PSF	40.5 PSF	32.0 PSF	38.3 PSF	30.2 PSF	247.00 LB-FT	177.4 LB	565.8 LB	494.6 LB
30 "			42.1 PSF	33.2 PSF	42.1 PSF	33.2 PSF	39.3 PSF	31.0 PSF	39.3 PSF	31.0 PSF	36.5 PSF	28.8 PSF	36.5 PSF	28.8 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	247.00 LB-FT	147.4 LB	516.2 LB	482.9 LB
36 "			36.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	31.3 PSF	24.7 PSF	31.3 PSF	24.7 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	247.00 LB-FT	126.6 LB	483.0 LB	476.0 LB
18 "	42 "	20160 in ²	48.2 PSF	38.1 PSF	43.0 PSF	34.0 PSF	45.0 PSF	35.5 PSF	40.2 PSF	31.7 PSF	41.8 PSF	33.0 PSF	37.3 PSF	29.4 PSF	38.6 PSF	30.4 PSF	34.5 PSF	27.2 PSF	247.00 LB-FT	225.2 LB	685.5 LB	553.9 LB
24 "			38.0 PSF	30.0 PSF	35.6 PSF	28.1 PSF	35.4 PSF	28.0 PSF	33.2 PSF	26.2 PSF	32.9 PSF	26.0 PSF	30.8 PSF	24.3 PSF	30.4 PSF	24.0 PSF	28.5 PSF	22.5 PSF	247.00 LB-FT	177.4 LB	595.4 LB	524.2 LB
30 "			31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	29.4 PSF	23.2 PSF	29.4 PSF	23.2 PSF	27.3 PSF	21.6 PSF	27.3 PSF	21.6 PSF	25.2 PSF	19.9 PSF	25.2 PSF	19.9 PSF	247.00 LB-FT	147.4 LB	540.8 LB	507.5 LB
36 "			27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	25.3 PSF	19.9 PSF	25.3 PSF	19.9 PSF	23.5 PSF	18.5 PSF	23.5 PSF	18.5 PSF	21.7 PSF	17.1 PSF	21.7 PSF	17.1 PSF	247.00 LB-FT	126.6 LB	504.1 LB	497.1 LB
18 "	48 "	27648 in ²	35.2 PSF	27.7 PSF	31.1 PSF	24.5 PSF	32.8 PSF	25.9 PSF	29.0 PSF	22.9 PSF	30.5 PSF	24.0 PSF	26.9 PSF	21.2 PSF	28.1 PSF	22.2 PSF	24.9 PSF	19.6 PSF	247.00 LB-FT	225.2 LB	723.0 LB	591.5 LB
24 "			27.7 PSF	21.8 PSF	25.7 PSF	20.3 PSF	25.8 PSF	20.4 PSF	24.0 PSF	18.9 PSF	24.0 PSF	18.9 PSF	22.3 PSF	17.6 PSF	22.1 PSF	17.5 PSF	20.6 PSF	16.2 PSF	247.00 LB-FT	177.4 LB	625.0 LB	553.8 LB
30 "			23.0 PSF	18.1 PSF	23.0 PSF	18.1 PSF	21.5 PSF	16.9 PSF	21.5 PSF	16.9 PSF	22.1 PSF	0.0 PSF	22.1 PSF	0.0 PSF					247.00 LB-FT	147.4 LB	565.4 LB	512.8 LB

"HD" STAND DESIGN SCHEDULE CONTINUED									
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FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



09/03/2026

FL 16921.1

1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

24" STAND DEPTH: MAX FACE AREA (4968in ² - 20736in ²), FRAME QUANTITY (9-12 FRAMES)																			LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES								
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT						
18 "	24 "	4968 in ²	167.9 PSF	132.6 PSF	142.9 PSF	112.8 PSF	153.9 PSF	121.5 PSF	131.1 PSF	103.5 PSF	139.9 PSF	110.5 PSF	119.2 PSF	94.1 PSF	125.9 PSF	99.4 PSF	107.4 PSF	84.7 PSF	247.00 LB-FT	241.4 LB	837.7 LB	684.6 LB	
24 "			132.1 PSF	104.3 PSF	117.8 PSF	93.0 PSF	121.1 PSF	95.6 PSF	108.1 PSF	85.3 PSF	110.1 PSF	86.9 PSF	98.3 PSF	77.6 PSF	99.1 PSF	110.1 PSF	78.2 PSF	88.5 PSF	69.9 PSF	247.00 LB-FT	189.9 LB	750.4 LB	662.4 LB
30 "			108.9 PSF	85.9 PSF	108.9 PSF	85.9 PSF	99.8 PSF	78.8 PSF	99.8 PSF	78.8 PSF	90.7 PSF	71.6 PSF	90.7 PSF	71.6 PSF	81.6 PSF	64.4 PSF	81.6 PSF	64.4 PSF	64.4 PSF	245.70 LB-FT	156.5 LB	693.7 LB	647.8 LB
36 "			86.8 PSF	68.5 PSF	86.8 PSF	68.5 PSF	79.6 PSF	62.8 PSF	79.6 PSF	62.8 PSF	72.3 PSF	57.1 PSF	72.3 PSF	57.1 PSF	65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	51.4 PSF	229.00 LB-FT	124.8 LB	612.4 LB	606.6 LB
18 "			99.7 PSF	78.7 PSF	83.5 PSF	65.9 PSF	91.3 PSF	72.1 PSF	76.6 PSF	60.5 PSF	83.0 PSF	65.5 PSF	69.7 PSF	55.0 PSF	74.7 PSF	59.0 PSF	62.7 PSF	49.5 PSF	247.00 LB-FT	241.4 LB	898.1 LB	745.0 LB	
24 "	30 "	8370 in ²	78.4 PSF	61.9 PSF	69.0 PSF	54.5 PSF	71.9 PSF	56.7 PSF	63.3 PSF	50.0 PSF	65.3 PSF	51.6 PSF	57.6 PSF	45.4 PSF	58.8 PSF	46.4 PSF	51.9 PSF	40.9 PSF	247.00 LB-FT	189.9 LB	797.9 LB	709.9 LB	
30 "			64.6 PSF	51.0 PSF	64.6 PSF	51.0 PSF	59.2 PSF	46.7 PSF	59.2 PSF	46.7 PSF	53.8 PSF	42.5 PSF	53.8 PSF	42.5 PSF	48.4 PSF	38.2 PSF	48.4 PSF	38.2 PSF	245.70 LB-FT	156.5 LB	732.8 LB	687.0 LB	
36 "			51.5 PSF	40.7 PSF	51.5 PSF	40.7 PSF	47.2 PSF	37.3 PSF	47.2 PSF	37.3 PSF	42.9 PSF	33.9 PSF	42.9 PSF	33.9 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	229.00 LB-FT	124.8 LB	643.7 LB	637.8 LB	
18 "			73.5 PSF	58.0 PSF	60.7 PSF	47.9 PSF	67.4 PSF	53.2 PSF	55.7 PSF	43.9 PSF	61.3 PSF	48.4 PSF	50.6 PSF	40.0 PSF	55.1 PSF	43.5 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	241.4 LB	958.5 LB	805.3 LB	
24 "			57.8 PSF	45.7 PSF	50.3 PSF	39.7 PSF	53.0 PSF	41.8 PSF	46.1 PSF	36.4 PSF	48.2 PSF	38.0 PSF	42.0 PSF	33.1 PSF	43.4 PSF	34.2 PSF	37.8 PSF	29.8 PSF	247.00 LB-FT	189.9 LB	845.4 LB	757.3 LB	
30 "	36 "	11340 in ²	47.7 PSF	37.6 PSF	47.7 PSF	37.6 PSF	43.7 PSF	34.5 PSF	43.7 PSF	34.5 PSF	39.7 PSF	31.3 PSF	39.7 PSF	31.3 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	245.70 LB-FT	156.5 LB	772.0 LB	726.1 LB	
36 "			38.0 PSF	30.0 PSF	38.0 PSF	30.0 PSF	34.8 PSF	27.5 PSF	34.8 PSF	27.5 PSF	31.7 PSF	25.0 PSF	31.7 PSF	25.0 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	229.00 LB-FT	124.8 LB	674.9 LB	669.0 LB	
18 "			54.9 PSF	43.3 PSF	44.9 PSF	35.4 PSF	50.3 PSF	39.7 PSF	41.1 PSF	32.5 PSF	45.8 PSF	36.1 PSF	37.4 PSF	29.5 PSF	41.2 PSF	32.5 PSF	33.7 PSF	26.6 PSF	246.30 LB-FT	240.7 LB	1014.1 LB	863.4 LB	
24 "			43.4 PSF	34.2 PSF	37.3 PSF	29.4 PSF	39.8 PSF	31.4 PSF	27.0 PSF	36.1 PSF	28.5 PSF	31.1 PSF	24.5 PSF	32.5 PSF	25.7 PSF	28.0 PSF	22.1 PSF	24.5 PSF	22.1 PSF	247.00 LB-FT	189.9 LB	892.9 LB	804.8 LB
30 "			35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	32.7 PSF	25.8 PSF	32.7 PSF	25.8 PSF	29.8 PSF	23.5 PSF	29.8 PSF	23.5 PSF	26.8 PSF	21.1 PSF	26.8 PSF	21.1 PSF	245.70 LB-FT	156.5 LB	811.1 LB	765.2 LB	
36 "	48 "	20736 in ²	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	26.1 PSF	20.6 PSF	26.1 PSF	20.6 PSF	23.7 PSF	18.7 PSF	23.7 PSF	18.7 PSF	21.4 PSF	16.9 PSF	21.4 PSF	16.9 PSF	229.00 LB-FT	124.8 LB	706.1 LB	700.2 LB	
18 "			39.4 PSF	31.1 PSF	32.2 PSF	25.4 PSF	36.1 PSF	28.5 PSF	29.5 PSF	23.3 PSF	32.9 PSF	25.9 PSF	26.9 PSF	21.2 PSF	29.6 PSF	23.3 PSF	24.2 PSF	19.1 PSF	242.50 LB-FT	237.0 LB	1057.5 LB	911.5 LB	
24 "			31.6 PSF	24.9 PSF	26.8 PSF	21.2 PSF	29.0 PSF	22.9 PSF	24.6 PSF	19.4 PSF	26.3 PSF	20.8 PSF	22.4 PSF	17.7 PSF	23.7 PSF	18.7 PSF	20.1 PSF	15.9 PSF	247.00 LB-FT	189.9 LB	940.4 LB	852.3 LB	
30 "			26.0 PSF	20.5 PSF	26.0 PSF	20.5 PSF	23.9 PSF	18.8 PSF	23.9 PSF	18.8 PSF	21.7 PSF	17.1 PSF	21.7 PSF	17.1 PSF	23.7 PSF	18.7 PSF	20.1 PSF	15.9 PSF	245.70 LB-FT	156.5 LB	850.3 LB	790.9 LB	

36" STAND DEPTH: MAX FACE AREA (4968in ² - 20736in ²), FRAME QUANTITY (9-12 FRAMES)																	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY					
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	4968 in ²	156.7 PSF	123.7 PSF	144.1 PSF	113.7 PSF	143.6 PSF	113.4 PSF	132.1 PSF	104.3 PSF	130.6 PSF	103.1 PSF	120.2 PSF	94.9 PSF	117.5 PSF	92.7 PSF	108.2 PSF	85.4 PSF	247.00 LB-FT	225.2 LB	574.0 LB	441.3 LB
24 "			123.4 PSF	97.4 PSF	118.5 PSF	93.5 PSF	113.1 PSF	89.3 PSF	108.6 PSF	85.8 PSF	102.8 PSF	81.2 PSF	98.8 PSF	78.0 PSF	92.6 PSF	73.1 PSF	89.0 PSF	70.2 PSF	247.00 LB-FT	177.4 LB	507.8 LB	435.4 LB
30 "			102.5 PSF	80.9 PSF	102.5 PSF	80.9 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	85.4 PSF	67.4 PSF	85.4 PSF	67.4 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	247.00 LB-FT	147.4 LB	468.2 LB	433.8 LB
36 "			88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	80.7 PSF	63.7 PSF	80.7 PSF	63.7 PSF	73.4 PSF	57.9 PSF	73.4 PSF	57.9 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	247.00 LB-FT	126.6 LB	441.9 LB	433.8 LB
18 "	30 "	8370 in ²	93.0 PSF	73.4 PSF	84.6 PSF	66.8 PSF	85.2 PSF	67.3 PSF	77.6 PSF	61.3 PSF	77.5 PSF	61.1 PSF	70.6 PSF	55.7 PSF	69.7 PSF	55.0 PSF	63.6 PSF	50.2 PSF	247.00 LB-FT	225.2 LB	611.5 LB	478.8 LB
24 "			73.2 PSF	57.8 PSF	69.7 PSF	55.0 PSF	67.1 PSF	53.0 PSF	63.9 PSF	50.5 PSF	61.0 PSF	48.2 PSF	58.1 PSF	45.9 PSF	54.9 PSF	43.3 PSF	52.4 PSF	41.3 PSF	247.00 LB-FT	177.4 LB	537.4 LB	465.0 LB
30 "			60.8 PSF	48.0 PSF	60.8 PSF	48.0 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	50.7 PSF	40.0 PSF	50.7 PSF	40.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	147.4 LB	492.8 LB	458.4 LB
36 "			52.2 PSF	41.2 PSF	52.2 PSF	41.2 PSF	47.9 PSF	37.8 PSF	47.9 PSF	37.8 PSF	43.5 PSF	34.4 PSF	43.5 PSF	34.4 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	247.00 LB-FT	126.6 LB	463.0 LB	454.9 LB
18 "	36 "	11340 in ²	68.6 PSF	54.2 PSF	61.8 PSF	48.8 PSF	62.9 PSF	49.6 PSF	56.7 PSF	44.7 PSF	57.2 PSF	45.1 PSF	51.6 PSF	40.7 PSF	51.4 PSF	40.6 PSF	46.4 PSF	36.6 PSF	247.00 LB-FT	225.2 LB	649.1 LB	516.4 LB
24 "			54.0 PSF	42.7 PSF	51.0 PSF	40.3 PSF	49.5 PSF	39.1 PSF	46.8 PSF	36.9 PSF	45.0 PSF	35.5 PSF	42.5 PSF	33.6 PSF	36.0 PSF	32.0 PSF	38.3 PSF	30.2 PSF	247.00 LB-FT	177.4 LB	566.9 LB	494.6 LB
30 "			44.9 PSF	35.4 PSF	44.9 PSF	35.4 PSF	41.1 PSF	32.5 PSF	41.1 PSF	32.5 PSF	37.4 PSF	29.5 PSF	37.4 PSF	29.5 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	247.00 LB-FT	147.4 LB	517.4 LB	482.9 LB
36 "			38.5 PSF	30.4 PSF	38.5 PSF	30.4 PSF	35.3 PSF	27.9 PSF	35.3 PSF	27.9 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	247.00 LB-FT	126.6 LB	484.1 LB	476.0 LB
18 "	42 "	15120 in ²	51.4 PSF	40.6 PSF	45.9 PSF	36.2 PSF	47.2 PSF	37.2 PSF	42.1 PSF	33.2 PSF	42.9 PSF	33.8 PSF	38.3 PSF	30.2 PSF	38.6 PSF	30.4 PSF	34.5 PSF	27.2 PSF	247.00 LB-FT	225.2 LB	686.6 LB	553.9 LB
24 "			40.5 PSF	32.0 PSF	37.9 PSF	29.9 PSF	37.1 PSF	29.3 PSF	34.8 PSF	27.4 PSF	33.8 PSF	26.6 PSF	31.6 PSF	25.0 PSF	30.4 PSF	24.0 PSF	28.5 PSF	22.5 PSF	247.00 LB-FT	177.4 LB	596.5 LB	524.2 LB
30 "			33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	30.8 PSF	24.3 PSF	30.8 PSF	24.3 PSF	28.0 PSF	22.1 PSF	28.0 PSF	22.1 PSF	25.2 PSF	19.9 PSF	25.2 PSF	19.9 PSF	247.00 LB-FT	147.4 LB	541.9 LB	507.5 LB
36 "			28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	26.5 PSF	20.9 PSF	26.5 PSF	20.9 PSF	24.1 PSF	19.0 PSF	24.1 PSF	19.0 PSF	21.7 PSF	17.1 PSF	21.7 PSF	17.1 PSF	247.00 LB-FT	126.6 LB	505.2 LB	497.1 LB
18 "	48 "	20736 in ²	37.5 PSF	29.6 PSF	33.1 PSF	26.1 PSF	34.4 PSF	27.1 PSF	30.4 PSF	24.0 PSF	31.2 PSF	24.7 PSF	27.6 PSF	21.8 PSF	28.1 PSF	22.2 PSF	24.9 PSF	19.6 PSF	247.00 LB-FT	225.2 LB	724.2 LB	591.5 LB
24 "			29.5 PSF	23.3 PSF	27.4 PSF	21.6 PSF	27.1 PSF	21.4 PSF	25.1 PSF	19.8 PSF	24.6 PSF	19.4 PSF	22.9 PSF	18.0 PSF	22.1 PSF	17.5 PSF	20.6 PSF	16.2 PSF	247.00 LB-FT	177.4 LB	626.1 LB	553.8 LB
30 "			24.5 PSF	19.4 PSF	24.5 PSF	19.4 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	20.4 PSF	16.1 PSF	20.4 PSF	16.1 PSF					247.00 LB-FT	147.4 LB	566.5 LB	518.6 LB
36 "			21.1 PSF	16.6 PSF	21.1 PSF	16.6 PSF	23.7 PSF	0.0 PSF	23.7 PSF	0.0 PSF									247.00 LB-FT	126.6 LB	526.3 LB	484.5 LB

48" STAND DEPTH: MAX FACE AREA (4968in ² - 20736in ²), FRAME QUANTITY (9-12 FRAMES)																			LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT		ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD MAX ALLOWABLE UPLIFT					
18 "	24 "	4968 in ²	149.3 PSF	117.9 PSF	143.1 PSF	112.9 PSF	136.9 PSF	108.1 PSF	131.2 PSF	103.6 PSF	124.4 PSF	98.2 PSF	119.3 PSF	94.2 PSF	112.0 PSF	88.4 PSF	107.5 PSF	84.8 PSF	247.00 LB-FT	214.7 LB	447.9 LB	328.5 LB
24 "			117.5 PSF	92.7 PSF	117.2 PSF	92.5 PSF	107.7 PSF	85.0 PSF	107.5 PSF	84.9 PSF	97.9 PSF	77.3 PSF	97.8 PSF	77.2 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	247.00 LB-FT	168.9 LB	391.0 LB	329.5 LB
30 "			97.6 PSF	77.1 PSF	97.6 PSF	77.1 PSF	89.5 PSF	70.6 PSF	89.5 PSF	70.6 PSF	81.4 PSF	64.2 PSF	81.4 PSF	64.2 PSF	73.2 PSF	57.8 PSF	73.2 PSF	57.8 PSF	247.00 LB-FT	140.4 LB	357.3 LB	331.7 LB
36 "			83.9 PSF	66.3 PSF	83.9 PSF	66.3 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	69.9 PSF	55.2 PSF	69.9 PSF	55.2 PSF	62.9 PSF	49.7 PSF	62.9 PSF	49.7 PSF	247.00 LB-FT	120.7 LB	334.9 LB	334.3 LB
18 "	30 "	8370 in ²	88.6 PSF	70.0 PSF	84.2 PSF	66.5 PSF	81.2 PSF	64.1 PSF	77.3 PSF	61.0 PSF	73.8 PSF	58.3 PSF	70.3 PSF	55.5 PSF	66.5 PSF	52.5 PSF	63.3 PSF	49.9 PSF	247.00 LB-FT	214.7 LB	474.7 LB	355.3 LB
24 "			69.7 PSF	55.0 PSF	69.1 PSF	54.6 PSF	63.9 PSF	50.4 PSF	63.4 PSF	50.0 PSF	58.1 PSF	45.8 PSF	57.7 PSF	45.5 PSF	52.3 PSF	41.3 PSF	51.9 PSF	41.0 PSF	247.00 LB-FT	168.9 LB	412.2 LB	350.6 LB
30 "			57.9 PSF	45.7 PSF	57.9 PSF	45.7 PSF	53.1 PSF	41.9 PSF	53.1 PSF	41.9 PSF	48.3 PSF	38.1 PSF	48.3 PSF	38.1 PSF	43.4 PSF	34.3 PSF	43.4 PSF	34.3 PSF	247.00 LB-FT	140.4 LB	374.8 LB	349.3 LB
36 "			49.8 PSF	39.3 PSF	49.8 PSF	39.3 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	41.5 PSF	32.7 PSF	41.5 PSF	32.7 PSF	37.3 PSF	29.5 PSF	37.3 PSF	29.5 PSF	247.00 LB-FT	120.7 LB	350.0 LB	349.4 LB
18 "	36 "	11340 in ²	65.4 PSF	51.6 PSF	61.7 PSF	48.7 PSF	59.9 PSF	47.3 PSF	56.6 PSF	44.7 PSF	54.5 PSF	43.0 PSF	51.5 PSF	40.6 PSF	49.0 PSF	38.7 PSF	46.3 PSF	36.6 PSF	247.00 LB-FT	214.7 LB	501.6 LB	382.2 LB
24 "			51.4 PSF	40.6 PSF	50.7 PSF	40.0 PSF	47.2 PSF	37.2 PSF	46.5 PSF	36.7 PSF	42.9 PSF	33.8 PSF	42.3 PSF	33.4 PSF	38.6 PSF	30.4 PSF	38.1 PSF	30.0 PSF	247.00 LB-FT	168.9 LB	433.3 LB	371.7 LB
30 "			42.7 PSF	33.7 PSF	42.7 PSF	33.7 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	32.0 PSF	25.3 PSF	32.0 PSF	25.3 PSF	247.00 LB-FT	140.4 LB	392.4 LB	366.9 LB
36 "			36.7 PSF	29.0 PSF	36.7 PSF	29.0 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	30.6 PSF	24.2 PSF	30.6 PSF	24.2 PSF	27.5 PSF	21.7 PSF	27.5 PSF	21.7 PSF	247.00 LB-FT	120.7 LB	365.1 LB	364.5 LB
18 "	42 "	15120 in ²	49.0 PSF	38.7 PSF	45.9 PSF	36.2 PSF	44.9 PSF	35.5 PSF	42.1 PSF	33.2 PSF	40.9 PSF	32.2 PSF	38.3 PSF	30.2 PSF	36.8 PSF	29.0 PSF	34.5 PSF	27.2 PSF	247.00 LB-FT	214.7 LB	528.4 LB	409.0 LB
24 "			38.6 PSF	30.4 PSF	37.8 PSF	29.8 PSF	35.4 PSF	27.9 PSF	34.6 PSF	27.3 PSF	32.1 PSF	25.4 PSF	31.5 PSF	24.9 PSF	28.9 PSF	22.8 PSF	28.4 PSF	22.4 PSF	247.00 LB-FT	168.9 LB	454.4 LB	392.8 LB
30 "			32.0 PSF	25.3 PSF	32.0 PSF	25.3 PSF	29.4 PSF	23.2 PSF	29.4 PSF	23.2 PSF	26.7 PSF	21.1 PSF	26.7 PSF	21.1 PSF	24.0 PSF	19.0 PSF	24.0 PSF	19.0 PSF	247.00 LB-FT	140.4 LB	409.9 LB	384.4 LB
36 "			27.5 PSF	21.7 PSF	27.5 PSF	21.7 PSF	25.2 PSF	19.9 PSF	25.2 PSF	19.9 PSF	22.9 PSF	18.1 PSF	22.9 PSF	18.1 PSF	20.6 PSF	16.3 PSF	20.6 PSF	16.3 PSF	247.00 LB-FT	120.7 LB	380.2 LB	379.6 LB
18 "	48 "	20736 in ²	35.7 PSF	28.2 PSF	33.2 PSF	26.2 PSF	32.8 PSF	25.9 PSF	30.5 PSF	24.0 PSF	29.8 PSF	23.5 PSF	27.7 PSF	21.9 PSF	26.8 PSF	21.1 PSF	24.9 PSF	19.7 PSF	247.00 LB-FT	214.7 LB	555.3 LB	435.9 LB
24 "			28.1 PSF	22.2 PSF	27.4 PSF	21.6 PSF	25.8 PSF	20.3 PSF	25.1 PSF	19.8 PSF	23.4 PSF	18.5 PSF	22.8 PSF	18.0 PSF	21.1 PSF	16.6 PSF	20.5 PSF	16.2 PSF	247.00 LB-FT	168.9 LB	475.5 LB	414.0 LB

POSTAL ADDRESS:
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BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

REMARKS	DRWN	CHKD	DATE
PREV. SUBMITTAL (20-32768)	CSL	RWN	12/15/20
2023 FBC UPDATE & TECH. CHANGES	MRT	RWN	12/08/23
2026 FBC UPDATE & TECH. CHANGES	EPR		08/13/26
-	-	-	-
-	-	-	-

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SCALE: NTS UNLESS NOTED

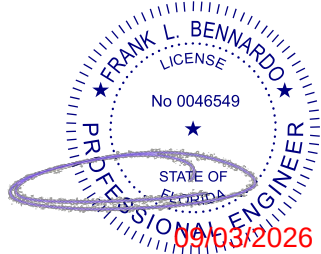
OF
28

"HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

FL 16921.1

24" STAND DEPTH: MAX FACE AREA (2760in² - 11520in²), FRAME QUANTITY (5-8 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3				
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2760 in²	200.0 PSF	157.8 PSF	171.4 PSF	135.3 PSF	176.3 PSF	139.2 PSF	150.0 PSF	118.4 PSF	151.1 PSF	119.3 PSF	128.7 PSF	101.6 PSF	125.9 PSF	99.4 PSF	107.4 PSF	84.7 PSF	247.00 LB-FT	241.4 LB	838.5 LB	684.6 LB
24 "			158.5 PSF	125.1 PSF	141.3 PSF	111.5 PSF	138.7 PSF	109.5 PSF	123.7 PSF	97.6 PSF	118.9 PSF	93.8 PSF	106.1 PSF	83.8 PSF	99.1 PSF	78.2 PSF	88.5 PSF	69.9 PSF	247.00 LB-FT	189.9 LB	753.3 LB	662.4 LB
30 "			130.6 PSF	103.1 PSF	130.6 PSF	103.1 PSF	114.3 PSF	90.2 PSF	114.3 PSF	90.2 PSF	98.0 PSF	77.3 PSF	81.6 PSF	64.4 PSF	64.4 PSF	64.4 PSF	81.6 PSF	64.4 PSF	245.70 LB-FT	156.5 LB	696.5 LB	647.8 LB
36 "			104.2 PSF	82.3 PSF	104.2 PSF	82.3 PSF	91.2 PSF	72.0 PSF	91.2 PSF	72.0 PSF	78.1 PSF	61.7 PSF	78.1 PSF	61.7 PSF	65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	229.00 LB-FT	124.8 LB	615.3 LB	606.6 LB
18 "	30 "	4650 in²	119.6 PSF	94.4 PSF	100.1 PSF	79.1 PSF	104.6 PSF	82.6 PSF	87.7 PSF	69.2 PSF	89.7 PSF	70.8 PSF	75.2 PSF	59.4 PSF	74.7 PSF	59.0 PSF	62.7 PSF	49.5 PSF	247.00 LB-FT	241.4 LB	900.9 LB	745.0 LB
24 "			94.1 PSF	74.3 PSF	82.8 PSF	65.3 PSF	82.3 PSF	65.0 PSF	72.5 PSF	57.2 PSF	70.5 PSF	55.7 PSF	62.2 PSF	49.1 PSF	58.8 PSF	46.4 PSF	51.9 PSF	40.9 PSF	247.00 LB-FT	189.9 LB	800.7 LB	709.9 LB
30 "			77.5 PSF	61.2 PSF	77.5 PSF	61.2 PSF	67.8 PSF	53.5 PSF	67.8 PSF	53.5 PSF	58.1 PSF	45.9 PSF	58.1 PSF	45.9 PSF	48.4 PSF	38.2 PSF	48.4 PSF	38.2 PSF	245.70 LB-FT	156.5 LB	735.7 LB	687.0 LB
36 "			61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	54.1 PSF	42.7 PSF	54.1 PSF	42.7 PSF	46.4 PSF	36.6 PSF	46.4 PSF	36.6 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	229.00 LB-FT	124.8 LB	646.5 LB	637.8 LB
18 "	36 "	6300 in²	88.3 PSF	69.7 PSF	72.8 PSF	57.5 PSF	77.2 PSF	61.0 PSF	63.7 PSF	50.3 PSF	66.2 PSF	52.2 PSF	54.7 PSF	43.1 PSF	55.1 PSF	43.5 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	241.4 LB	961.3 LB	805.3 LB
24 "			69.4 PSF	54.8 PSF	60.3 PSF	47.6 PSF	60.7 PSF	47.9 PSF	52.8 PSF	41.7 PSF	52.1 PSF	41.1 PSF	45.3 PSF	35.8 PSF	43.4 PSF	34.2 PSF	37.8 PSF	29.8 PSF	247.00 LB-FT	189.9 LB	848.2 LB	757.3 LB
30 "			57.2 PSF	45.1 PSF	57.2 PSF	45.1 PSF	50.0 PSF	39.5 PSF	50.0 PSF	39.5 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	245.70 LB-FT	156.5 LB	774.8 LB	726.1 LB
36 "			45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	39.9 PSF	31.5 PSF	39.9 PSF	31.5 PSF	34.2 PSF	27.0 PSF	34.2 PSF	27.0 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	229.00 LB-FT	124.8 LB	677.7 LB	669.0 LB
18 "	42 "	8400 in²	65.8 PSF	52.0 PSF	63.8 PSF	42.5 PSF	57.6 PSF	45.5 PSF	47.1 PSF	37.2 PSF	49.4 PSF	39.0 PSF	40.4 PSF	31.9 PSF	41.2 PSF	32.5 PSF	33.7 PSF	26.6 PSF	246.30 LB-FT	240.7 LB	1016.2 LB	863.4 LB
24 "			52.1 PSF	41.1 PSF	44.7 PSF	35.3 PSF	45.5 PSF	35.9 PSF	39.1 PSF	30.9 PSF	39.0 PSF	30.8 PSF	33.5 PSF	26.5 PSF	32.5 PSF	25.7 PSF	28.0 PSF	22.1 PSF	247.00 LB-FT	189.9 LB	895.7 LB	804.8 LB
30 "			42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	32.2 PSF	25.4 PSF	32.2 PSF	25.4 PSF	26.8 PSF	21.1 PSF	26.8 PSF	21.1 PSF	245.70 LB-FT	156.5 LB	813.9 LB	765.2 LB
36 "			34.2 PSF	27.0 PSF	34.2 PSF	27.0 PSF	29.9 PSF	23.6 PSF	29.9 PSF	23.6 PSF	25.6 PSF	20.2 PSF	25.6 PSF	20.2 PSF	21.4 PSF	16.9 PSF	21.4 PSF	16.9 PSF	229.00 LB-FT	124.8 LB	708.9 LB	700.2 LB
18 "	48 "	11520 in²	47.3 PSF	37.3 PSF	38.6 PSF	30.5 PSF	41.4 PSF	32.6 PSF	33.8 PSF	26.7 PSF	35.5 PSF	28.0 PSF	29.6 PSF	22.9 PSF	29.6 PSF	23.3 PSF	24.2 PSF	19.1 PSF	242.50 LB-FT	237.0 LB	1059.5 LB	911.5 LB
24 "			37.9 PSF	29.9 PSF	32.2 PSF	25.4 PSF	33.2 PSF	26.2 PSF	28.2 PSF	22.2 PSF	28.4 PSF	22.4 PSF	24.2 PSF	19.1 PSF	23.7 PSF	18.7 PSF	20.1 PSF	15.9 PSF	247.00 LB-FT	189.9 LB	943.2 LB	852.3 LB
30 "			31.3 PSF	24.7 PSF	31.3 PSF	24.7 PSF	27.3 PSF	21.6 PSF	27.3 PSF	21.6 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF					245.70 LB-FT	156.5 LB	853.1 LB	781.9 LB
36 "			24.9 PSF	19.7 PSF	24.9 PSF	19.7 PSF	21.8 PSF	17.2 PSF	21.8 PSF	17.2 PSF									229.00 LB-FT	124.8 LB	740.2 LB	692.9 LB

36" STAND DEPTH: MAX FACE AREA (2760in² - 11520in²), FRAME QUANTITY (5-8 FRAMES)

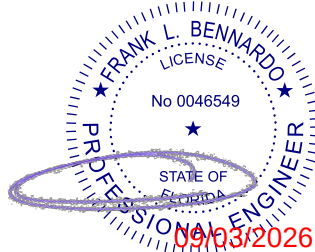
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES								
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3						
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT							
18 "	24 "	2760 in²	188.0 PSF	148.4 PSF	172.8 PSF	136.4 PSF	164.5 PSF	129.9 PSF	151.3 PSF	119.4 PSF	141.0 PSF	111.3 PSF	129.7 PSF	102.4 PSF	117.5 PSF	92.7 PSF	108.2 PSF	85.4 PSF	247.00 LB-FT	225.2 LB	576.8 LB	441.3 LB	
24 "			148.1 PSF	116.9 PSF	142.1 PSF	112.1 PSF	129.6 PSF	102.3 PSF	124.4 PSF	98.2 PSF	111.1 PSF	87.7 PSF	106.7 PSF	84.2 PSF	92.6 PSF	73.1 PSF	89.0 PSF	70.2 PSF	247.00 LB-FT	177.4 LB	510.6 LB	435.4 LB	
30 "			123.1 PSF	97.1 PSF	123.1 PSF	97.1 PSF	107.7 PSF	85.0 PSF	107.7 PSF	85.0 PSF	92.3 PSF	72.8 PSF	92.3 PSF	72.8 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	247.00 LB-FT	147.4 LB	471.0 LB	433.8 LB	
36 "			105.7 PSF	83.4 PSF	105.7 PSF	83.4 PSF	92.5 PSF	73.0 PSF	92.5 PSF	73.0 PSF	79.2 PSF	62.5 PSF	79.2 PSF	62.5 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	247.00 LB-FT	126.6 LB	444.7 LB	433.8 LB	
18 "	30 "	4650 in²	111.6 PSF	88.1 PSF	101.5 PSF	80.1 PSF	97.6 PSF	77.1 PSF	88.8 PSF	70.1 PSF	87.7 PSF	66.0 PSF	76.2 PSF	60.2 PSF	69.7 PSF	55.0 PSF	63.6 PSF	50.2 PSF	247.00 LB-FT	225.2 LB	614.3 LB	478.8 LB	
24 "			87.9 PSF	69.4 PSF	83.6 PSF	66.0 PSF	76.9 PSF	60.7 PSF	73.2 PSF	57.8 PSF	65.9 PSF	52.0 PSF	62.8 PSF	49.5 PSF	54.9 PSF	43.3 PSF	52.4 PSF	41.3 PSF	247.00 LB-FT	177.4 LB	540.2 LB	465.0 LB	
30 "			73.0 PSF	57.6 PSF	73.0 PSF	57.6 PSF	63.9 PSF	50.4 PSF	63.9 PSF	50.4 PSF	54.8 PSF	43.2 PSF	54.8 PSF	43.2 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	147.4 LB	495.6 LB	458.4 LB	
36 "			62.7 PSF	49.5 PSF	62.7 PSF	49.5 PSF	54.9 PSF	43.3 PSF	54.9 PSF	43.3 PSF	47.0 PSF	37.1 PSF	47.0 PSF	37.1 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	247.00 LB-FT	126.6 LB	465.8 LB	454.9 LB	
18 "	36 "	6300 in²	82.3 PSF	65.0 PSF	74.1 PSF	58.5 PSF	72.0 PSF	56.9 PSF	64.9 PSF	51.2 PSF	61.7 PSF	48.7 PSF	55.7 PSF	43.9 PSF	51.4 PSF	40.6 PSF	46.4 PSF	36.6 PSF	247.00 LB-FT	225.2 LB	651.9 LB	516.4 LB	
24 "			64.9 PSF	51.2 PSF	61.2 PSF	48.3 PSF	56.7 PSF	44.8 PSF	53.5 PSF	42.3 PSF	48.6 PSF	38.4 PSF	45.9 PSF	36.2 PSF	40.5 PSF	32.0 PSF	38.3 PSF	30.2 PSF	247.00 LB-FT	177.4 LB	569.8 LB	494.6 LB	
30 "			53.9 PSF	42.5 PSF	53.9 PSF	42.5 PSF	47.1 PSF	37.2 PSF	47.1 PSF	37.2 PSF	40.4 PSF	31.9 PSF	40.4 PSF	31.9 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	247.00 LB-FT	147.4 LB	520.2 LB	482.9 LB	
36 "			46.3 PSF	36.5 PSF	46.3 PSF	36.5 PSF	40.5 PSF	31.9 PSF	40.5 PSF	31.9 PSF	34.7 PSF	27.4 PSF	34.7 PSF	27.4 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	247.00 LB-FT	126.6 LB	486.9 LB	476.0 LB	
18 "	42 "	8400 in²	61.7 PSF	48.7 PSF	55.0 PSF	43.4 PSF	54.0 PSF	42.6 PSF	48.2 PSF	38.0 PSF	46.3 PSF	36.5 PSF	41.3 PSF	32.6 PSF	38.6 PSF	30.4 PSF	34.5 PSF	27.2 PSF	247.00 LB-FT	225.2 LB	689.4 LB	553.9 LB	
24 "			48.6 PSF	38.4 PSF	45.5 PSF	35.9 PSF	42.5 PSF	33.6 PSF	39.8 PSF	31.4 PSF	36.5 PSF	28.8 PSF	34.1 PSF	26.9 PSF	30.4 PSF	24.0 PSF	28.5 PSF	22.5 PSF	247.00 LB-FT	177.4 LB	599.3 LB	524.2 LB	
30 "			40.4 PSF	31.9 PSF	40.4 PSF	31.9 PSF	35.3 PSF	27.9 PSF	35.3 PSF	27.9 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	25.2 PSF	19.9 PSF	25.2 PSF	19.9 PSF	247.00 LB-FT	147.4 LB	544.7 LB	507.5 LB	
36 "			34.7 PSF	27.4 PSF	34.7 PSF	27.4 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	26.0 PSF	20.5 PSF	26.0 PSF	20.5 PSF	21.7 PSF	17.1 PSF	21.7 PSF	17.1 PSF	247.00 LB-FT	126.6 LB	508.0 LB	497.1 LB	
18 "	48 "	11520 in²	45.0 PSF	35.5 PSF	39.7 PSF	31.3 PSF	39.4 PSF	31.1 PSF	34.8 PSF	27.4 PSF	33.7 PSF	26.6 PSF	29.8 PSF	23.5 PSF	28.1 PSF	22.2 PSF	24.9 PSF	19.6 PSF	247.00 LB-FT	225.2 LB	727.0 LB	591.5 LB	
24 "			35.4 PSF	28.0 PSF	32.9 PSF	25.9 PSF	31.0 PSF	24.5 PSF	28.8 PSF	22.7 PSF	26.6 PSF	21.0 PSF	24.7 PSF	19.5 PSF	22.1 PSF	17.5 PSF	20.6 PSF	16.2 PSF	247.00 LB-FT	177.4 LB	628.9 LB	553.8 LB	
30 "			29.4 PSF	23.2 PSF	29.4 PSF	23.2 PSF	25.8 PSF	20.3 PSF	25.8 PSF	20.3 PSF	22.1 PSF	17.4 PSF	22.1 PSF	17.4 PSF						247.00 LB-FT	147.4 LB	569.3 LB	509.6 LB
36 "			25.3 PSF	19.9 PSF	25.3 PSF	19.9 PSF	22.1 PSF	17.4 PSF	22.1 PSF	17.4 PSF										247.00 LB-FT	126.6 LB	529.1 LB	479.6 LB

"HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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PE# 0046549 CA# 9885



FL

FL 16921.1

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(954) 480-6919

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2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
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PRECISION ALUMINUM PRODUCTS, INC.

1339 SW 1ST WAY
DEERFIELD BEACH, FL 33441
(954) 480-6919

ALUMINUM A/C STANDS
FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

24" STAND DEPTH: MAX FACE AREA (2208in² - 9216in²), FRAME QUANTITY (4-7 FRAMES)																			LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES							
			ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3						
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2208 in²	200.0 PSF	157.8 PSF	187.4 PSF	147.9 PSF	188.9 PSF	149.1 PSF	160.7 PSF	126.9 PSF	157.4 PSF	124.3 PSF	134.0 PSF	105.8 PSF	125.9 PSF	99.4 PSF	107.4 PSF	84.7 PSF	247.00 LB-FT	241.4 LB	839.6 LB	684.6 LB
24 "			173.4 PSF	136.9 PSF	154.5 PSF	121.9 PSF	148.6 PSF	117.3 PSF	132.5 PSF	104.6 PSF	123.8 PSF	97.8 PSF	110.5 PSF	87.2 PSF	99.1 PSF	78.2 PSF	88.5 PSF	69.9 PSF	247.00 LB-FT	189.9 LB	754.5 LB	662.4 LB
30 "			142.9 PSF	112.8 PSF	142.9 PSF	112.8 PSF	122.5 PSF	96.7 PSF	122.5 PSF	96.7 PSF	102.0 PSF	80.6 PSF	102.0 PSF	80.6 PSF	81.6 PSF	64.4 PSF	81.6 PSF	64.4 PSF	245.70 LB-FT	156.5 LB	697.7 LB	647.8 LB
36 "			114.0 PSF	90.0 PSF	114.0 PSF	90.0 PSF	97.7 PSF	77.1 PSF	97.7 PSF	77.1 PSF	81.4 PSF	64.3 PSF	81.4 PSF	64.3 PSF	65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	229.00 LB-FT	124.8 LB	616.5 LB	606.6 LB
18 "	30 "	3720 in²	130.8 PSF	103.3 PSF	109.5 PSF	86.4 PSF	112.1 PSF	88.5 PSF	93.9 PSF	74.1 PSF	93.4 PSF	73.7 PSF	78.3 PSF	61.8 PSF	74.7 PSF	59.0 PSF	62.7 PSF	49.5 PSF	247.00 LB-FT	241.4 LB	902.1 LB	745.0 LB
24 "			102.9 PSF	81.2 PSF	90.5 PSF	71.5 PSF	88.2 PSF	69.6 PSF	77.6 PSF	61.3 PSF	73.5 PSF	58.0 PSF	64.7 PSF	51.1 PSF	58.8 PSF	46.4 PSF	51.9 PSF	40.9 PSF	247.00 LB-FT	189.9 LB	802.0 LB	709.9 LB
30 "			84.8 PSF	66.9 PSF	84.8 PSF	66.9 PSF	72.7 PSF	57.4 PSF	72.7 PSF	57.4 PSF	60.5 PSF	47.8 PSF	60.5 PSF	47.8 PSF	48.4 PSF	38.2 PSF	48.4 PSF	38.2 PSF	245.70 LB-FT	156.5 LB	736.9 LB	687.0 LB
36 "			67.6 PSF	53.4 PSF	67.6 PSF	53.4 PSF	58.0 PSF	45.7 PSF	58.0 PSF	45.7 PSF	48.3 PSF	38.1 PSF	48.3 PSF	38.1 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	229.00 LB-FT	124.8 LB	647.7 LB	637.8 LB
18 "	36 "	5040 in²	96.5 PSF	76.2 PSF	79.6 PSF	62.8 PSF	82.7 PSF	65.3 PSF	68.3 PSF	53.9 PSF	68.9 PSF	54.4 PSF	56.9 PSF	44.9 PSF	55.1 PSF	43.5 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	241.4 LB	962.5 LB	805.3 LB
24 "			75.9 PSF	59.9 PSF	66.0 PSF	52.1 PSF	65.1 PSF	51.4 PSF	56.6 PSF	44.7 PSF	54.2 PSF	42.8 PSF	47.2 PSF	37.2 PSF	43.4 PSF	34.2 PSF	37.8 PSF	29.8 PSF	247.00 LB-FT	189.9 LB	849.4 LB	757.3 LB
30 "			62.6 PSF	49.4 PSF	62.6 PSF	49.4 PSF	53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	245.70 LB-FT	156.5 LB	776.0 LB	726.1 LB
36 "			49.9 PSF	39.4 PSF	49.9 PSF	39.4 PSF	42.8 PSF	33.8 PSF	42.8 PSF	33.8 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	229.00 LB-FT	124.8 LB	678.9 LB	669.0 LB
18 "	42 "	6720 in²	72.0 PSF	56.8 PSF	58.8 PSF	46.4 PSF	61.7 PSF	48.7 PSF	50.4 PSF	39.8 PSF	51.5 PSF	40.6 PSF	42.1 PSF	33.2 PSF	41.2 PSF	32.5 PSF	33.7 PSF	26.6 PSF	246.30 LB-FT	240.7 LB	1017.0 LB	863.4 LB
24 "			56.9 PSF	44.9 PSF	48.9 PSF	38.6 PSF	48.8 PSF	38.5 PSF	41.9 PSF	33.1 PSF	40.7 PSF	32.1 PSF	34.9 PSF	27.6 PSF	32.5 PSF	25.7 PSF	28.0 PSF	22.1 PSF	247.00 LB-FT	189.9 LB	896.9 LB	804.8 LB
30 "			46.9 PSF	37.0 PSF	46.9 PSF	37.0 PSF	40.2 PSF	31.7 PSF	40.2 PSF	31.7 PSF	33.5 PSF	26.4 PSF	33.5 PSF	26.4 PSF	26.8 PSF	21.1 PSF	26.8 PSF	21.1 PSF	245.70 LB-FT	156.5 LB	815.1 LB	765.2 LB
36 "			37.4 PSF	29.5 PSF	37.4 PSF	29.5 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	26.7 PSF	21.1 PSF	26.7 PSF	21.1 PSF	21.4 PSF	16.9 PSF	21.4 PSF	16.9 PSF	229.00 LB-FT	124.8 LB	710.1 LB	700.2 LB
18 "	48 "	9216 in²	51.7 PSF	40.8 PSF	42.2 PSF	33.3 PSF	44.3 PSF	35.0 PSF	36.2 PSF	28.6 PSF	36.9 PSF	29.2 PSF	30.2 PSF	23.8 PSF	29.6 PSF	23.3 PSF	24.2 PSF	19.1 PSF	242.50 LB-FT	237.0 LB	1060.4 LB	911.5 LB
24 "			41.5 PSF	32.8 PSF	35.2 PSF	27.8 PSF	35.6 PSF	28.1 PSF	30.2 PSF	23.8 PSF	29.6 PSF	23.4 PSF	25.2 PSF	19.8 PSF	23.7 PSF	18.7 PSF	20.1 PSF	15.9 PSF	247.00 LB-FT	189.9 LB	944.4 LB	852.3 LB
30 "			34.2 PSF	27.0 PSF	34.2 PSF	27.0 PSF	29.3 PSF	23.1 PSF	29.3 PSF	23.1 PSF	24.4 PSF	19.3 PSF	24.4 PSF	19.3 PSF					245.70 LB-FT	156.5 LB	854.3 LB	777.4 LB
36 "			27.3 PSF	21.5 PSF	27.3 PSF	21.5 PSF	23.4 PSF	18.4 PSF	23.4 PSF	18.4 PSF									229.00 LB-FT	124.8 LB	741.4 LB	686.5 LB

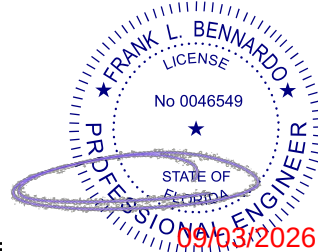
36" STAND DEPTH: MAX FACE AREA (2208in² - 9216in²), FRAME QUANTITY (4-7 FRAMES)																			LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES							
			ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3				
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2208 in²	200.0 PSF	157.8 PSF	188.9 PSF	149.1 PSF	176.3 PSF	139.1 PSF	162.0 PSF	127.9 PSF	146.9 PSF	115.9 PSF	135.1 PSF	106.7 PSF	117.5 PSF	92.7 PSF	108.2 PSF	85.4 PSF	247.00 LB-FT	225.2 LB	575.8 LB	441.3 LB
24 "			162.0 PSF	127.9 PSF	155.3 PSF	122.6 PSF	138.9 PSF	109.6 PSF	133.2 PSF	105.2 PSF	115.7 PSF	91.3 PSF	111.1 PSF	87.7 PSF	92.6 PSF	73.1 PSF	89.0 PSF	70.2 PSF	247.00 LB-FT	177.4 LB	511.8 LB	435.4 LB
30 "			134.6 PSF	106.3 PSF	134.6 PSF	106.3 PSF	115.4 PSF	91.1 PSF	115.4 PSF	91.1 PSF	96.1 PSF	75.9 PSF	96.1 PSF	75.9 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	247.00 LB-FT	147.4 LB	472.2 LB	433.8 LB
36 "			115.6 PSF	91.2 PSF	115.6 PSF	91.2 PSF	99.1 PSF	78.2 PSF	99.1 PSF	78.2 PSF	82.5 PSF	65.2 PSF	82.5 PSF	65.2 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	247.00 LB-FT	126.6 LB	445.9 LB	433.8 LB
18 "	30 "	3720 in²	122.0 PSF	96.3 PSF	111.0 PSF	87.6 PSF	104.6 PSF	82.6 PSF	95.2 PSF	75.1 PSF	87.2 PSF	68.8 PSF	79.4 PSF	62.6 PSF	69.7 PSF	55.0 PSF	63.6 PSF	50.2 PSF	247.00 LB-FT	225.2 LB	615.5 LB	478.8 LB
24 "			96.1 PSF	75.9 PSF	91.4 PSF	72.1 PSF	82.4 PSF	65.0 PSF	78.4 PSF	61.9 PSF	68.7 PSF	54.2 PSF	65.4 PSF	51.6 PSF	54.9 PSF	43.3 PSF	52.4 PSF	41.3 PSF	247.00 LB-FT	177.4 LB	541.4 LB	465.0 LB
30 "			79.9 PSF	63.0 PSF	79.9 PSF	63.0 PSF	68.5 PSF	54.0 PSF	68.5 PSF	54.0 PSF	57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	147.4 LB	496.8 LB	458.4 LB
36 "			68.6 PSF	54.1 PSF	68.6 PSF	54.1 PSF	58.8 PSF	46.4 PSF	58.8 PSF	46.4 PSF	49.0 PSF	38.7 PSF	49.0 PSF	38.7 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	247.00 LB-FT	126.6 LB	467.0 LB	454.9 LB
18 "	36 "	5040 in²	90.1 PSF	71.1 PSF	81.1 PSF	64.0 PSF	77.2 PSF	60.9 PSF	69.5 PSF	54.9 PSF	64.3 PSF	50.8 PSF	58.0 PSF	45.8 PSF	51.4 PSF	40.6 PSF	46.4 PSF	36.6 PSF	247.00 LB-FT	225.2 LB	653.1 LB	516.4 LB
24 "			70.9 PSF	56.0 PSF	66.9 PSF	52.8 PSF	60.8 PSF	48.0 PSF	57.4 PSF	45.3 PSF	50.7 PSF	40.0 PSF	47.8 PSF	37.8 PSF	40.5 PSF	32.0 PSF	38.3 PSF	30.2 PSF	247.00 LB-FT	177.4 LB	571.0 LB	494.6 LB
30 "			58.9 PSF	46.5 PSF	58.9 PSF	46.5 PSF	50.5 PSF	39.9 PSF	50.5 PSF	39.9 PSF	42.1 PSF	33.2 PSF	42.1 PSF	33.2 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	247.00 LB-FT	147.4 LB	521.4 LB	482.9 LB
36 "			50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	43.4 PSF	34.2 PSF	43.4 PSF	34.2 PSF	36.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	247.00 LB-FT	126.6 LB	488.1 LB	476.0 LB
18 "	42 "	6720 in²	67.5 PSF	53.3 PSF	60.2 PSF	47.5 PSF	57.9 PSF	45.7 PSF	51.6 PSF	40.7 PSF	48.2 PSF	38.1 PSF	43.0 PSF	34.0 PSF	38.6 PSF	30.4 PSF	34.5 PSF	27.2 PSF	247.00 LB-FT	225.2 LB	690.6 LB	553.9 LB
24 "			53.2 PSF	42.0 PSF	49.7 PSF	39.3 PSF	45.6 PSF	36.0 PSF	42.6 PSF	33.7 PSF	38.0 PSF	30.0 PSF	35.6 PSF	28.1 PSF	30.4 PSF	24.0 PSF	28.5 PSF	22.5 PSF	247.00 LB-FT	177.4 LB	600.5 LB	524.2 LB
30 "			44.2 PSF	34.9 PSF	44.2 PSF	34.9 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	25.2 PSF	19.9 PSF	25.2 PSF		247.00 LB-FT	147.4 LB	545.9 LB	507.5 LB
36 "			37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	32.5 PSF	25.7 PSF	32.5 PSF	25.7 PSF	27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	21.7 PSF	17.1 PSF	21.7 PSF		247.00 LB-FT	126.6 LB	509.2 LB	497.1 LB
18 "	48 "	9216 in²	49.2 PSF	38.9 PSF	43.4 PSF	34.3 PSF	42.2 PSF	33.3 PSF	37.2 PSF	29.4 PSF	35.2 PSF	27.7 PSF	31.1 PSF	24.5 PSF	28.1 PSF	22.2 PSF	24.9 PSF	19.1 PSF	247.00 LB-FT	225.2 LB	728.2 LB	591.5 LB
24 "			38.8 PSF	30.6 PSF	36.0 PSF	28.4 PSF	33.2 PSF	26.2 PSF	30.8 PSF	24.3 PSF	27.7 PSF	21.8 PSF	25.7 PSF	20.3 PSF	22.1 PSF	17.5 PSF	20.6 PSF	16.2 PSF	247.00 LB-FT	177.4 LB	630.1 LB	553.8 LB
30 "			32.2 PSF	25.4 PSF	32.2 PSF	25.4 PSF	27.6 PSF	21.8 PSF	27.6 PSF	21.8 PSF	23.0 PSF	18.1 PSF	23.0 PSF	18.1 PSF					247.00 LB-FT	147.4 LB	570.5 LB	505.1 LB
36 "			27.7 PSF	21.8 PSF	27.7 PSF	21.8 PSF	23.7 PSF	18.7 PSF	23.7 PSF	18.7 PSF										247.00 LB-FT	126.6 LB	530.3 LB

"HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

FL 16921.1

24" STAND DEPTH: MAX FACE AREA (1656in² - 6912in²), FRAME QUANTITY (3-6 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3				
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1656 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	178.5 PSF	140.9 PSF	167.9 PSF	132.6 PSF	142.9 PSF	112.8 PSF	125.9 PSF	99.4 PSF	107.4 PSF	84.7 PSF	247.00 LB-FT	241.4 LB	837.7 LB	684.6 LB
24 "			198.2 PSF	156.4 PSF	176.5 PSF	139.3 PSF	165.1 PSF	130.4 PSF	147.1 PSF	116.2 PSF	132.1 PSF	104.3 PSF	117.8 PSF	93.0 PSF	99.1 PSF	78.2 PSF	88.5 PSF	69.9 PSF	247.00 LB-FT	189.9 LB	756.1 LB	662.4 LB
30 "			163.3 PSF	128.9 PSF	163.3 PSF	128.9 PSF	136.1 PSF	107.4 PSF	136.1 PSF	107.4 PSF	108.9 PSF	85.9 PSF	108.9 PSF	85.9 PSF	81.6 PSF	64.4 PSF	81.6 PSF	64.4 PSF	245.70 LB-FT	156.5 LB	699.3 LB	647.8 LB
36 "			130.3 PSF	102.8 PSF	130.3 PSF	102.8 PSF	108.5 PSF	85.7 PSF	108.5 PSF	85.7 PSF	86.8 PSF	68.5 PSF	86.8 PSF	68.5 PSF	65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	229.00 LB-FT	124.8 LB	618.1 LB	606.6 LB
18 "	30 "	2790 in²	149.5 PSF	118.0 PSF	125.1 PSF	98.7 PSF	124.6 PSF	98.3 PSF	104.3 PSF	82.3 PSF	99.7 PSF	78.7 PSF	83.5 PSF	65.9 PSF	74.7 PSF	59.0 PSF	62.7 PSF	49.5 PSF	247.00 LB-FT	241.4 LB	903.7 LB	745.0 LB
24 "			117.6 PSF	92.8 PSF	103.4 PSF	81.6 PSF	98.0 PSF	77.4 PSF	86.2 PSF	68.1 PSF	78.4 PSF	61.9 PSF	69.0 PSF	54.5 PSF	58.8 PSF	46.4 PSF	51.9 PSF	40.9 PSF	247.00 LB-FT	189.9 LB	803.6 LB	709.9 LB
30 "			96.9 PSF	76.5 PSF	96.9 PSF	76.5 PSF	80.7 PSF	63.7 PSF	80.7 PSF	63.7 PSF	64.6 PSF	51.0 PSF	64.6 PSF	51.0 PSF	48.4 PSF	38.2 PSF	48.4 PSF	38.2 PSF	245.70 LB-FT	156.5 LB	738.5 LB	687.0 LB
36 "			77.3 PSF	61.0 PSF	77.3 PSF	61.0 PSF	64.4 PSF	50.8 PSF	64.4 PSF	50.8 PSF	51.5 PSF	40.7 PSF	51.5 PSF	40.7 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	229.00 LB-FT	124.8 LB	649.3 LB	637.8 LB
18 "	36 "	3780 in²	110.3 PSF	87.1 PSF	90.9 PSF	71.8 PSF	91.9 PSF	72.6 PSF	75.8 PSF	59.9 PSF	73.5 PSF	58.0 PSF	60.7 PSF	47.9 PSF	55.1 PSF	43.5 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	241.4 LB	964.1 LB	805.3 LB
24 "			86.8 PSF	68.5 PSF	75.4 PSF	59.5 PSF	72.3 PSF	57.1 PSF	62.8 PSF	49.6 PSF	57.8 PSF	45.7 PSF	50.3 PSF	37.8 PSF	43.4 PSF	34.2 PSF	37.8 PSF	29.8 PSF	247.00 LB-FT	189.9 LB	851.1 LB	757.3 LB
30 "			71.5 PSF	56.4 PSF	71.5 PSF	56.4 PSF	59.6 PSF	47.0 PSF	59.6 PSF	47.0 PSF	47.7 PSF	37.6 PSF	47.7 PSF	37.6 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	245.70 LB-FT	156.5 LB	777.6 LB	726.1 LB
36 "			57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	47.5 PSF	37.5 PSF	47.5 PSF	37.5 PSF	38.0 PSF	30.0 PSF	38.0 PSF	30.0 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	229.00 LB-FT	124.8 LB	680.5 LB	669.0 LB
18 "	42 "	5040 in²	82.2 PSF	64.9 PSF	67.2 PSF	53.0 PSF	68.6 PSF	54.1 PSF	56.0 PSF	44.2 PSF	54.9 PSF	43.3 PSF	44.9 PSF	35.4 PSF	41.2 PSF	32.5 PSF	33.7 PSF	26.6 PSF	246.30 LB-FT	240.7 LB	1018.2 LB	863.4 LB
24 "			65.1 PSF	51.4 PSF	55.8 PSF	44.1 PSF	54.2 PSF	42.8 PSF	46.5 PSF	36.7 PSF	43.4 PSF	34.2 PSF	37.3 PSF	29.4 PSF	32.5 PSF	25.7 PSF	28.0 PSF	22.1 PSF	247.00 LB-FT	189.9 LB	898.5 LB	804.8 LB
30 "			53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	44.7 PSF	35.3 PSF	44.7 PSF	35.3 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	26.8 PSF	21.1 PSF	26.8 PSF	21.1 PSF	245.70 LB-FT	156.5 LB	816.7 LB	765.2 LB
36 "			42.8 PSF	33.8 PSF	42.8 PSF	33.8 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	28.5 PSF	22.5 PSF	28.5 PSF	22.5 PSF	21.4 PSF	16.9 PSF	21.4 PSF	16.9 PSF	229.00 LB-FT	124.8 LB	711.7 LB	700.2 LB
18 "	48 "	6912 in²	59.0 PSF	46.6 PSF	48.3 PSF	38.1 PSF	49.2 PSF	38.8 PSF	40.2 PSF	31.8 PSF	39.4 PSF	31.1 PSF	32.2 PSF	25.4 PSF	29.6 PSF	23.3 PSF	24.2 PSF	19.1 PSF	242.50 LB-FT	237.0 LB	1061.6 LB	911.5 LB
24 "			47.4 PSF	37.4 PSF	40.2 PSF	31.7 PSF	39.5 PSF	31.2 PSF	33.5 PSF	26.4 PSF	31.6 PSF	24.9 PSF	26.8 PSF	21.2 PSF	23.7 PSF	18.7 PSF	20.1 PSF	15.9 PSF	247.00 LB-FT	189.9 LB	946.0 LB	852.3 LB
30 "			39.1 PSF	30.8 PSF	39.1 PSF	30.8 PSF	32.6 PSF	25.7 PSF	32.6 PSF	25.7 PSF	26.0 PSF	20.5 PSF	26.0 PSF	20.5 PSF					245.70 LB-FT	156.5 LB	855.9 LB	770.6 LB
36 "			31.2 PSF	24.6 PSF	31.2 PSF	24.6 PSF	26.0 PSF	20.5 PSF	26.0 PSF	20.5 PSF	20.8 PSF	16.4 PSF	20.8 PSF	16.4 PSF					229.00 LB-FT	124.8 LB	743.0 LB	697.7 LB

36" STAND DEPTH: MAX FACE AREA (1656in² - 6912in²), FRAME QUANTITY (3-6 FRAMES)

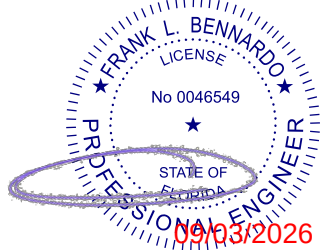
36" STAND DEPTH: MAX FACE AREA (1656in ² - 6912in ²), FRAME QUANTITY (3-6 FRAMES)																			LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1656 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	195.9 PSF	154.6 PSF	179.9 PSF	142.1 PSF	156.7 PSF	123.7 PSF	144.1 PSF	113.7 PSF	117.5 PSF	92.7 PSF	108.2 PSF	85.4 PSF	247.00 LB-FT	225.2 LB	577.3 LB	441.3 LB
24 "			185.2 PSF	146.2 PSF	177.4 PSF	140.1 PSF	154.3 PSF	121.8 PSF	148.0 PSF	116.8 PSF	123.4 PSF	97.4 PSF	118.5 PSF	93.5 PSF	92.6 PSF	73.1 PSF	89.0 PSF	70.2 PSF	247.00 LB-FT	177.4 LB	513.4 LB	435.4 LB
30 "			153.8 PSF	121.4 PSF	153.8 PSF	121.4 PSF	128.2 PSF	101.2 PSF	128.2 PSF	101.2 PSF	102.5 PSF	80.9 PSF	102.5 PSF	80.9 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	247.00 LB-FT	147.4 LB	473.8 LB	433.8 LB
36 "			132.1 PSF	104.3 PSF	132.1 PSF	104.3 PSF	110.1 PSF	86.9 PSF	110.1 PSF	86.9 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	247.00 LB-FT	126.6 LB	447.5 LB	433.8 LB
18 "	30 "	2790 in ²	139.5 PSF	110.1 PSF	126.8 PSF	100.1 PSF	116.2 PSF	91.7 PSF	105.7 PSF	83.4 PSF	93.0 PSF	73.4 PSF	84.6 PSF	66.8 PSF	69.7 PSF	55.0 PSF	63.6 PSF	50.2 PSF	247.00 LB-FT	225.2 LB	617.1 LB	478.8 LB
24 "			109.9 PSF	86.7 PSF	104.4 PSF	82.4 PSF	91.6 PSF	72.3 PSF	87.1 PSF	68.7 PSF	73.2 PSF	57.8 PSF	69.7 PSF	55.0 PSF	54.9 PSF	43.3 PSF	52.4 PSF	41.3 PSF	247.00 LB-FT	177.4 LB	543.0 LB	465.0 LB
30 "			91.3 PSF	72.1 PSF	91.3 PSF	72.1 PSF	76.1 PSF	60.0 PSF	76.1 PSF	60.0 PSF	60.8 PSF	48.0 PSF	60.8 PSF	48.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	36.0 PSF	247.00 LB-FT	147.4 LB	498.4 LB	458.4 LB
36 "			78.4 PSF	61.9 PSF	78.4 PSF	61.9 PSF	65.3 PSF	51.6 PSF	65.3 PSF	51.6 PSF	52.2 PSF	41.2 PSF	52.2 PSF	41.2 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	247.00 LB-FT	126.6 LB	468.6 LB	454.9 LB
18 "	36 "	3780 in ²	102.9 PSF	81.3 PSF	92.6 PSF	73.1 PSF	85.8 PSF	67.7 PSF	77.2 PSF	60.9 PSF	68.6 PSF	54.2 PSF	61.8 PSF	48.8 PSF	51.4 PSF	40.6 PSF	46.4 PSF	36.6 PSF	247.00 LB-FT	225.2 LB	654.7 LB	516.4 LB
24 "			81.1 PSF	64.0 PSF	76.4 PSF	60.3 PSF	67.6 PSF	53.3 PSF	63.7 PSF	50.3 PSF	54.0 PSF	42.7 PSF	51.0 PSF	40.3 PSF	40.5 PSF	32.0 PSF	38.3 PSF	30.2 PSF	247.00 LB-FT	177.4 LB	572.6 LB	494.6 LB
30 "			67.4 PSF	53.2 PSF	67.4 PSF	53.2 PSF	56.1 PSF	44.3 PSF	56.1 PSF	44.3 PSF	44.9 PSF	35.4 PSF	44.9 PSF	35.4 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	247.00 LB-FT	147.4 LB	523.0 LB	482.9 LB
36 "			57.8 PSF	45.7 PSF	57.8 PSF	45.7 PSF	48.2 PSF	38.0 PSF	48.2 PSF	38.0 PSF	38.5 PSF	30.4 PSF	38.5 PSF	30.4 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	247.00 LB-FT	126.6 LB	489.7 LB	476.0 LB
18 "	42 "	5040 in ²	77.2 PSF	60.9 PSF	68.7 PSF	54.3 PSF	64.3 PSF	50.8 PSF	57.3 PSF	45.2 PSF	51.4 PSF	40.6 PSF	45.9 PSF	36.2 PSF	38.6 PSF	30.4 PSF	34.5 PSF	27.2 PSF	247.00 LB-FT	225.2 LB	692.2 LB	553.9 LB
24 "			60.8 PSF	48.0 PSF	56.8 PSF	44.8 PSF	50.7 PSF	40.0 PSF	47.4 PSF	37.4 PSF	40.5 PSF	32.0 PSF	37.9 PSF	29.9 PSF	30.4 PSF	24.0 PSF	28.5 PSF	22.5 PSF	247.00 LB-FT	177.4 LB	602.1 LB	524.2 LB
30 "			50.5 PSF	39.9 PSF	50.5 PSF	39.9 PSF	42.1 PSF	33.2 PSF	42.1 PSF	33.2 PSF	33.7 PSF	26.6 PSF	33.7 PSF	26.6 PSF	25.2 PSF	19.9 PSF	25.2 PSF	19.9 PSF	247.00 LB-FT	147.4 LB	547.6 LB	507.5 LB
36 "			43.4 PSF	34.2 PSF	43.4 PSF	34.2 PSF	36.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	21.7 PSF	17.1 PSF	21.7 PSF	17.1 PSF	247.00 LB-FT	126.6 LB	510.8 LB	497.1 LB
18 "	48 "	6912 in ²	56.3 PSF	44.4 PSF	49.6 PSF	39.2 PSF	46.9 PSF	37.0 PSF	41.4 PSF	32.6 PSF	37.5 PSF	29.6 PSF	33.1 PSF	26.1 PSF	28.1 PSF	22.2 PSF	24.9 PSF	19.6 PSF	247.00 LB-FT	225.2 LB	729.8 LB	591.5 LB
24 "			44.3 PSF	35.0 PSF	41.1 PSF	32.4 PSF	36.9 PSF	29.1 PSF	34.2 PSF	27.0 PSF	29.5 PSF	23.3 PSF	27.4 PSF	21.6 PSF	22.1 PSF	17.5 PSF	20.6 PSF	16.2 PSF	247.00 LB-FT	177.4 LB	631.7 LB	553.8 LB
30 "			36.8 PSF	29.1 PSF	36.8 PSF	29.1 PSF	30.7 PSF	24.2 PSF	30.7 PSF	24.2 PSF	24.5 PSF	19.4 PSF	24.5 PSF	19.4 PSF					247.00 LB-FT	147.4 LB	572.1 LB	498.4 LB
36 "			31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	26.3 PSF	20.8 PSF	26.3 PSF	20.8 PSF	21.1 PSF	16.6 PSF	21.1 PSF	16.6 PSF					247.00 LB-FT	126.6 LB	531.9 LB	484.5 LB

"HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

24" STAND DEPTH: MAX FACE AREA (1104in² - 4608in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3				
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1104 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	188.9 PSF	149.1 PSF	160.7 PSF	126.9 PSF	125.9 PSF	99.4 PSF	107.4 PSF	84.7 PSF	247.00 LB-FT	241.4 LB	839.6 LB	684.6 LB		
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	198.2 PSF	156.4 PSF	176.5 PSF	139.3 PSF	148.6 PSF	117.3 PSF	132.5 PSF	99.1 PSF	78.2 PSF	88.5 PSF	247.00 LB-FT	189.9 LB	756.1 LB	662.4 LB		
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	163.3 PSF	128.9 PSF	163.3 PSF	128.9 PSF	122.5 PSF	96.7 PSF	96.7 PSF	81.6 PSF	64.4 PSF	81.6 PSF	245.70 LB-FT	156.5 LB	699.3 LB	647.8 LB		
36 "			162.8 PSF	128.6 PSF	162.8 PSF	128.6 PSF	130.3 PSF	102.8 PSF	130.3 PSF	102.8 PSF	97.7 PSF	77.1 PSF	97.7 PSF	65.1 PSF	51.4 PSF	65.1 PSF	229.00 LB-FT	124.8 LB	620.3 LB	606.6 LB		
18 "	30 "	1860 in²	186.9 PSF	147.5 PSF	156.3 PSF	123.4 PSF	149.5 PSF	118.0 PSF	125.1 PSF	98.7 PSF	112.1 PSF	88.5 PSF	93.9 PSF	74.1 PSF	74.7 PSF	59.0 PSF	247.00 LB-FT	241.4 LB	906.0 LB	745.0 LB		
24 "			147.0 PSF	116.1 PSF	129.2 PSF	102.0 PSF	117.6 PSF	92.8 PSF	103.4 PSF	81.6 PSF	88.2 PSF	69.6 PSF	77.6 PSF	61.3 PSF	58.8 PSF	46.4 PSF	247.00 LB-FT	189.9 LB	805.8 LB	709.9 LB		
30 "			121.1 PSF	95.6 PSF	121.1 PSF	95.6 PSF	96.9 PSF	76.5 PSF	96.9 PSF	76.5 PSF	72.7 PSF	57.4 PSF	72.7 PSF	57.4 PSF	48.4 PSF	38.2 PSF	245.70 LB-FT	156.5 LB	740.7 LB	687.0 LB		
36 "			96.6 PSF	76.3 PSF	96.6 PSF	76.3 PSF	77.3 PSF	61.0 PSF	77.3 PSF	61.0 PSF	58.0 PSF	45.7 PSF	58.0 PSF	45.7 PSF	38.6 PSF	30.5 PSF	229.00 LB-FT	124.8 LB	651.5 LB	637.8 LB		
18 "	36 "	2520 in²	137.9 PSF	108.9 PSF	113.6 PSF	89.7 PSF	110.3 PSF	87.1 PSF	90.9 PSF	71.8 PSF	82.7 PSF	65.3 PSF	68.3 PSF	53.9 PSF	55.1 PSF	43.5 PSF	247.00 LB-FT	241.4 LB	966.3 LB	805.3 LB		
24 "			108.5 PSF	85.6 PSF	94.2 PSF	74.3 PSF	86.8 PSF	68.5 PSF	75.4 PSF	59.5 PSF	65.1 PSF	51.4 PSF	56.6 PSF	44.7 PSF	43.4 PSF	37.8 PSF	247.00 LB-FT	189.9 LB	853.3 LB	757.3 LB		
30 "			89.4 PSF	70.6 PSF	89.4 PSF	70.6 PSF	71.5 PSF	56.4 PSF	71.5 PSF	56.4 PSF	53.6 PSF	42.3 PSF	53.6 PSF	37.7 PSF	28.2 PSF	35.7 PSF	245.70 LB-FT	156.5 LB	779.9 LB	726.1 LB		
36 "			71.3 PSF	56.3 PSF	71.3 PSF	56.3 PSF	57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	42.8 PSF	33.8 PSF	42.8 PSF	28.5 PSF	22.5 PSF	28.5 PSF	229.00 LB-FT	124.8 LB	682.8 LB	669.0 LB		
18 "	42 "	3360 in²	102.8 PSF	81.1 PSF	83.9 PSF	66.3 PSF	82.2 PSF	64.9 PSF	67.2 PSF	53.0 PSF	61.7 PSF	48.7 PSF	50.4 PSF	39.8 PSF	41.2 PSF	32.5 PSF	246.30 LB-FT	240.7 LB	1019.9 LB	863.4 LB		
24 "			81.4 PSF	64.2 PSF	69.7 PSF	55.0 PSF	65.1 PSF	51.4 PSF	55.8 PSF	44.1 PSF	48.8 PSF	38.5 PSF	41.9 PSF	33.1 PSF	32.5 PSF	25.7 PSF	247.00 LB-FT	189.9 LB	900.8 LB	804.8 LB		
30 "			67.0 PSF	52.9 PSF	67.0 PSF	52.9 PSF	53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	40.2 PSF	31.7 PSF	40.2 PSF	31.7 PSF	26.8 PSF	21.1 PSF	245.70 LB-FT	156.5 LB	819.0 LB	765.2 LB		
36 "			53.5 PSF	42.2 PSF	53.5 PSF	42.2 PSF	42.8 PSF	33.8 PSF	42.8 PSF	33.8 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	21.4 PSF	16.9 PSF	229.00 LB-FT	124.8 LB	714.0 LB	700.2 LB		
18 "	48 "	4608 in²	73.8 PSF	58.2 PSF	60.3 PSF	47.6 PSF	59.0 PSF	46.6 PSF	48.3 PSF	38.1 PSF	44.3 PSF	35.0 PSF	36.2 PSF	28.6 PSF	29.6 PSF	23.3 PSF	242.50 LB-FT	237.0 LB	1063.2 LB	911.5 LB		
24 "			59.3 PSF	46.8 PSF	50.2 PSF	39.6 PSF	47.4 PSF	37.4 PSF	40.2 PSF	31.7 PSF	35.6 PSF	28.1 PSF	30.2 PSF	23.8 PSF	23.7 PSF	18.7 PSF	247.00 LB-FT	189.9 LB	948.3 LB	852.3 LB		
30 "			48.9 PSF	38.6 PSF	48.9 PSF	38.6 PSF	39.1 PSF	30.8 PSF	39.1 PSF	30.8 PSF	29.3 PSF	23.1 PSF	29.3 PSF	23.1 PSF			245.70 LB-FT	156.5 LB	858.1 LB	759.4 LB		
36 "			39.0 PSF	30.8 PSF	39.0 PSF	30.8 PSF	31.2 PSF	24.6 PSF	31.2 PSF	24.6 PSF	23.4 PSF	18.4 PSF	23.4 PSF	18.4 PSF			229.00 LB-FT	124.8 LB	745.2 LB	686.5 LB		

36" STAND DEPTH: MAX FACE AREA (1104in² - 4608in²), FRAME QUANTITY (2-5 FRAMES)

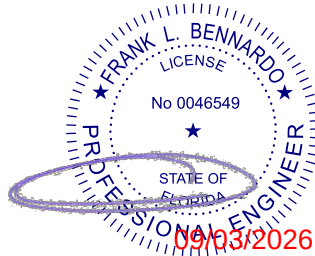
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES								
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3						
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT					
18 "	24 "	1104 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	176.3 PSF	139.1 PSF	162.0 PSF	127.9 PSF	117.5 PSF	92.7 PSF	108.2 PSF	85.4 PSF	247.00 LB-FT	225.2 LB	575.8 LB	441.3 LB			
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	185.2 PSF	146.2 PSF	177.4 PSF	140.1 PSF	138.9 PSF	109.6 PSF	133.2 PSF	92.6 PSF	73.1 PSF	89.0 PSF	70.2 PSF	247.00 LB-FT	177.4 LB	513.4 LB	435.4 LB		
30 "			192.3 PSF	151.8 PSF	192.3 PSF	151.8 PSF	153.8 PSF	121.4 PSF	153.8 PSF	121.4 PSF	115.4 PSF	91.1 PSF	115.4 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	247.00 LB-FT	147.4 LB	476.1 LB	433.8 LB		
36 "			165.1 PSF	130.4 PSF	165.1 PSF	130.4 PSF	132.1 PSF	104.3 PSF	132.1 PSF	104.3 PSF	99.1 PSF	78.2 PSF	99.1 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	247.00 LB-FT	126.6 LB	449.8 LB	433.8 LB		
18 "	30 "	1860 in²	174.4 PSF	137.6 PSF	158.3 PSF	125.0 PSF	139.5 PSF	110.1 PSF	126.8 PSF	100.1 PSF	104.6 PSF	82.6 PSF	95.2 PSF	75.1 PSF	69.7 PSF	55.0 PSF	63.6 PSF	247.00 LB-FT	225.2 LB	619.4 LB	478.8 LB		
24 "			137.4 PSF	108.4 PSF	130.4 PSF	103.0 PSF	109.9 PSF	86.7 PSF	104.4 PSF	82.4 PSF	82.4 PSF	65.0 PSF	78.4 PSF	61.9 PSF	54.9 PSF	43.3 PSF	52.4 PSF	247.00 LB-FT	177.4 LB	545.2 LB	465.0 LB		
30 "			114.1 PSF	90.1 PSF	114.1 PSF	90.1 PSF	91.3 PSF	72.1 PSF	91.3 PSF	72.1 PSF	68.5 PSF	54.0 PSF	68.5 PSF	54.0 PSF	45.6 PSF	36.0 PSF	45.6 PSF	247.00 LB-FT	147.4 LB	500.6 LB	458.4 LB		
36 "			98.0 PSF	77.4 PSF	98.0 PSF	77.4 PSF	78.4 PSF	61.9 PSF	78.4 PSF	61.9 PSF	58.8 PSF	46.4 PSF	58.8 PSF	46.4 PSF	39.2 PSF	30.9 PSF	39.2 PSF	247.00 LB-FT	126.6 LB	470.9 LB	454.9 LB		
18 "	36 "	2520 in²	128.7 PSF	101.6 PSF	115.7 PSF	91.3 PSF	102.9 PSF	81.3 PSF	92.6 PSF	73.1 PSF	77.2 PSF	60.9 PSF	69.5 PSF	54.9 PSF	51.4 PSF	40.6 PSF	46.4 PSF	247.00 LB-FT	225.2 LB	656.9 LB	516.4 LB		
24 "			101.4 PSF	80.0 PSF	95.5 PSF	75.4 PSF	81.1 PSF	64.0 PSF	76.4 PSF	60.3 PSF	60.8 PSF	48.0 PSF	57.4 PSF	45.3 PSF	40.5 PSF	32.0 PSF	38.3 PSF	247.00 LB-FT	177.4 LB	574.8 LB	494.6 LB		
30 "			84.2 PSF	66.5 PSF	84.2 PSF	66.5 PSF	67.4 PSF	53.2 PSF	67.4 PSF	53.2 PSF	50.5 PSF	39.9 PSF	50.5 PSF	39.9 PSF	33.7 PSF	26.6 PSF	33.7 PSF	247.00 LB-FT	147.4 LB	525.2 LB	482.9 LB		
36 "			72.3 PSF	57.1 PSF	72.3 PSF	57.1 PSF	57.8 PSF	45.7 PSF	57.8 PSF	45.7 PSF	43.4 PSF	34.2 PSF	43.4 PSF	34.2 PSF	28.9 PSF	22.8 PSF	28.9 PSF	247.00 LB-FT	126.6 LB	492.0 LB	476.0 LB		
18 "	42 "	3360 in²	96.5 PSF	76.2 PSF	85.9 PSF	67.8 PSF	77.2 PSF	60.9 PSF	68.7 PSF	54.3 PSF	57.9 PSF	45.7 PSF	51.6 PSF	40.7 PSF	38.6 PSF	30.4 PSF	34.5 PSF	247.00 LB-FT	225.2 LB	694.5 LB	553.9 LB		
24 "			76.0 PSF	60.0 PSF	71.0 PSF	56.0 PSF	60.8 PSF	48.0 PSF	56.8 PSF	44.8 PSF	45.6 PSF	36.0 PSF	42.6 PSF	33.7 PSF	30.4 PSF	24.0 PSF	28.5 PSF	247.00 LB-FT	177.4 LB	604.4 LB	524.2 LB		
30 "			63.2 PSF	49.8 PSF	63.2 PSF	49.8 PSF	50.5 PSF	39.9 PSF	50.5 PSF	39.9 PSF	37.9 PSF	29.9 PSF	37.9 PSF	25.2 PSF	19.9 PSF	25.2 PSF	19.9 PSF	247.00 LB-FT	147.4 LB	549.8 LB	507.5 LB		
36 "			54.2 PSF	42.8 PSF	54.2 PSF	42.8 PSF	43.4 PSF	34.2 PSF	43.4 PSF	34.2 PSF	32.5 PSF	25.7 PSF	32.5 PSF	25.7 PSF	21.7 PSF	17.1 PSF	21.7 PSF	247.00 LB-FT	126.6 LB	513.1 LB	497.1 LB		
18 "	48 "	4608 in²	70.4 PSF	55.5 PSF	62.0 PSF	48.9 PSF	56.3 PSF	44.4 PSF	49.6 PSF	39.2 PSF	42.2 PSF	33.3 PSF	37.2 PSF	29.4 PSF	28.1 PSF	22.2 PSF	24.9 PSF	247.00 LB-FT	225.2 LB	732.0 LB	591.5 LB		
24 "			55.4 PSF	43.7 PSF	51.3 PSF	40.5 PSF	44.3 PSF	35.0 PSF	41.1 PSF	32.4 PSF	33.2 PSF	26.2 PSF	30.8 PSF	24.3 PSF	22.1 PSF	17.5 PSF	20.6 PSF	247.00 LB-FT	177.4 LB	634.0 LB	553.8 LB		
30 "			46.0 PSF	36.3 PSF	46.0 PSF	36.3 PSF	36.8 PSF	29.1 PSF	36.8 PSF	29.1 PSF	27.6 PSF	21.8 PSF	27.6 PSF	21.8 PSF				247.00 LB-FT	147.4 LB	574.4 LB	487.1 LB		
36 "			39.5 PSF	31.2 PSF	39.5 PSF	31.2 PSF	31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	23.7 PSF	18.7 PSF	23.7 PSF	18.7 PSF				247.00 LB-FT	126.6 LB	534.2 LB	473.2 LB		

"HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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PE# 0046549 CA# 9885



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24" STAND DEPTH: MAX FACE AREA (552in² - 2304in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT				
18 "	24 "	552 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	196.10 LB-FT	191.6 LB	667.1 LB	503.7 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	198.2 PSF	156.4 PSF	176.5 PSF	139.3 PSF	247.00 LB-FT	189.9 LB	756.1 LB	594.9 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	163.3 PSF	128.9 PSF	163.3 PSF	128.9 PSF	245.70 LB-FT	156.5 LB	699.3 LB	580.3 LB
36 "			195.4 PSF	154.3 PSF	195.4 PSF	154.3 PSF	130.3 PSF	102.8 PSF	130.3 PSF	102.8 PSF	229.00 LB-FT	124.8 LB	621.8 LB	539.1 LB
18 "	30 "	930 in²	200.0 PSF	157.8 PSF	187.5 PSF	148.0 PSF	149.5 PSF	118.0 PSF	125.1 PSF	98.7 PSF	247.00 LB-FT	241.4 LB	903.7 LB	677.5 LB
24 "			176.4 PSF	139.3 PSF	155.0 PSF	122.3 PSF	117.6 PSF	92.8 PSF	103.4 PSF	81.6 PSF	247.00 LB-FT	189.9 LB	807.3 LB	642.4 LB
30 "			145.4 PSF	114.8 PSF	145.4 PSF	114.8 PSF	96.9 PSF	76.5 PSF	96.9 PSF	76.5 PSF	245.70 LB-FT	156.5 LB	742.2 LB	619.5 LB
36 "			116.0 PSF	91.5 PSF	116.0 PSF	91.5 PSF	77.3 PSF	61.0 PSF	77.3 PSF	61.0 PSF	229.00 LB-FT	124.8 LB	653.0 LB	570.3 LB
18 "	36 "	1260 in²	165.5 PSF	130.7 PSF	136.3 PSF	107.6 PSF	110.3 PSF	87.1 PSF	90.9 PSF	71.8 PSF	247.00 LB-FT	241.4 LB	967.8 LB	737.8 LB
24 "			130.2 PSF	102.8 PSF	112.9 PSF	89.2 PSF	86.8 PSF	68.5 PSF	75.4 PSF	59.5 PSF	247.00 LB-FT	189.9 LB	854.8 LB	689.8 LB
30 "			107.3 PSF	84.7 PSF	107.3 PSF	84.7 PSF	71.5 PSF	56.4 PSF	71.5 PSF	56.4 PSF	245.70 LB-FT	156.5 LB	781.4 LB	658.6 LB
36 "			85.6 PSF	67.6 PSF	85.6 PSF	67.6 PSF	57.0 PSF	45.0 PSF	57.0 PSF	45.0 PSF	229.00 LB-FT	124.8 LB	684.3 LB	601.5 LB
18 "	42 "	1680 in²	123.3 PSF	97.3 PSF	100.7 PSF	79.5 PSF	82.2 PSF	64.9 PSF	67.2 PSF	53.0 PSF	245.60 LB-FT	240.0 LB	1021.0 LB	793.8 LB
24 "			97.6 PSF	77.1 PSF	83.7 PSF	66.0 PSF	65.1 PSF	51.4 PSF	55.8 PSF	44.1 PSF	247.00 LB-FT	189.9 LB	902.3 LB	737.3 LB
30 "			80.5 PSF	63.5 PSF	80.5 PSF	63.5 PSF	53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	245.70 LB-FT	156.5 LB	820.5 LB	697.8 LB
36 "			64.2 PSF	50.7 PSF	64.2 PSF	50.7 PSF	42.8 PSF	33.8 PSF	42.8 PSF	33.8 PSF	229.00 LB-FT	124.8 LB	715.5 LB	632.7 LB
18 "	48 "	2304 in²	88.5 PSF	69.9 PSF	72.3 PSF	57.1 PSF	59.0 PSF	46.6 PSF	48.3 PSF	38.1 PSF	241.80 LB-FT	236.3 LB	1064.3 LB	841.8 LB
24 "			71.2 PSF	56.2 PSF	60.3 PSF	47.4 PSF	47.4 PSF	37.4 PSF	40.2 PSF	31.7 PSF	247.00 LB-FT	189.9 LB	949.8 LB	784.8 LB
30 "			58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	39.1 PSF	30.8 PSF	39.1 PSF	30.8 PSF	245.70 LB-FT	156.5 LB	859.6 LB	736.9 LB
36 "			46.8 PSF	36.9 PSF	46.8 PSF	36.9 PSF	31.2 PSF	24.6 PSF	31.2 PSF	24.6 PSF	229.00 LB-FT	124.8 LB	746.7 LB	664.0 LB

36" STAND DEPTH: MAX FACE AREA (552in² - 2304in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	552 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	210.20 LB-FT	191.6 LB	491.4 LB	328.0 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	185.2 PSF	146.2 PSF	177.4 PSF	140.1 PSF	247.00 LB-FT	177.4 LB	513.4 LB	367.9 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	153.8 PSF	121.4 PSF	153.8 PSF	121.4 PSF	247.00 LB-FT	147.4 LB	473.8 LB	366.3 LB
36 "			198.2 PSF	156.4 PSF	198.2 PSF	156.4 PSF	132.1 PSF	104.3 PSF	132.1 PSF	104.3 PSF	247.00 LB-FT	126.6 LB	451.3 LB	366.3 LB
18 "	30 "	930 in²	200.0 PSF	157.8 PSF	189.9 PSF	149.9 PSF	139.5 PSF	110.1 PSF	126.8 PSF	100.1 PSF	247.00 LB-FT	225.2 LB	617.1 LB	411.3 LB
24 "			164.8 PSF	130.1 PSF	156.5 PSF	123.5 PSF	109.9 PSF	86.7 PSF	104.4 PSF	82.4 PSF	247.00 LB-FT	177.4 LB	546.7 LB	397.5 LB
30 "			137.0 PSF	108.1 PSF	137.0 PSF	108.1 PSF	91.3 PSF	72.1 PSF	91.3 PSF	72.1 PSF	247.00 LB-FT	147.4 LB	502.1 LB	390.9 LB
36 "			117.6 PSF	92.8 PSF	117.6 PSF	92.8 PSF	78.4 PSF	61.9 PSF	78.4 PSF	61.9 PSF	247.00 LB-FT	126.6 LB	472.4 LB	387.4 LB
18 "	36 "	1260 in²	154.4 PSF	121.9 PSF	138.8 PSF	109.5 PSF	102.9 PSF	81.3 PSF	92.6 PSF	73.1 PSF	247.00 LB-FT	225.2 LB	658.4 LB	448.9 LB
24 "			121.7 PSF	96.0 PSF	114.5 PSF	90.4 PSF	81.1 PSF	64.0 PSF	76.4 PSF	60.3 PSF	247.00 LB-FT	177.4 LB	576.3 LB	427.1 LB
30 "			101.1 PSF	79.8 PSF	101.1 PSF	79.8 PSF	67.4 PSF	53.2 PSF	67.4 PSF	53.2 PSF	247.00 LB-FT	147.4 LB	526.7 LB	415.4 LB
36 "			86.8 PSF	68.5 PSF	86.8 PSF	68.5 PSF	57.8 PSF	45.7 PSF	57.8 PSF	45.7 PSF	247.00 LB-FT	126.6 LB	493.5 LB	408.5 LB
18 "	42 "	1680 in²	115.8 PSF	91.4 PSF	103.0 PSF	81.3 PSF	77.2 PSF	60.9 PSF	68.7 PSF	54.3 PSF	247.00 LB-FT	225.2 LB	696.0 LB	486.4 LB
24 "			91.2 PSF	72.0 PSF	85.2 PSF	67.2 PSF	60.8 PSF	48.0 PSF	56.8 PSF	44.8 PSF	247.00 LB-FT	177.4 LB	605.9 LB	456.7 LB
30 "			75.8 PSF	59.8 PSF	75.8 PSF	59.8 PSF	50.5 PSF	39.9 PSF	50.5 PSF	39.9 PSF	247.00 LB-FT	147.4 LB	551.3 LB	440.0 LB
36 "			65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	43.4 PSF	34.2 PSF	43.4 PSF	34.2 PSF	247.00 LB-FT	126.6 LB	514.6 LB	429.6 LB
18 "	48 "	2304 In²	84.4 PSF	66.6 PSF	74.4 PSF	58.7 PSF	56.3 PSF	44.4 PSF	49.6 PSF	39.2 PSF	247.00 LB-FT	225.2 LB	733.5 LB	524.0 LB
24 "			66.5 PSF	52.5 PSF	61.6 PSF	48.6 PSF	44.3 PSF	35.0 PSF	41.1 PSF	32.4 PSF	247.00 LB-FT	177.4 LB	635.5 LB	486.3 LB
30 "			55.3 PSF	43.6 PSF	55.3 PSF	43.6 PSF	36.8 PSF	29.1 PSF	36.8 PSF	29.1 PSF	247.00 LB-FT	147.4 LB	575.9 LB	464.6 LB
36 "			47.4 PSF	37.4 PSF	47.4 PSF	37.4 PSF	31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	247.00 LB-FT	126.6 LB	535.7 LB	450.7 LB

48" STAND DEPTH: MAX FACE AREA (552in² - 2304in²), FRAME QUANTITY (2-3 FRAMES)

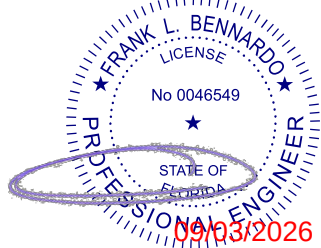
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	552 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	220.50 LB-FT	191.6 LB	403.6 LB	240.2 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	176.3 PSF	139.1 PSF	175.6 PSF	138.6 PSF	247.00 LB-FT	168.9 LB	396.7 LB	262.0 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	146.5 PSF	115.6 PSF	146.5 PSF	115.6 PSF	247.00 LB-FT	140.4 LB	362.9 LB	264.2 LB
36 "			188.9 PSF	149.1 PSF	188.9 PSF	149.1 PSF	125.9 PSF	99.4 PSF	125.9 PSF	99.4 PSF	247.00 LB-FT	120.7 LB	344.3 LB	266.8 LB
18 "	30 "	930 in²	199.5 PSF	157.5 PSF	189.1 PSF	149.3 PSF	133.0 PSF	105.0 PSF	126.2 PSF	99.6 PSF	247.00 LB-FT	214.7 LB	484.1 LB	287.8 LB
24 "			156.9 PSF	123.9 PSF	155.2 PSF	122.5 PSF	104.6 PSF	82.6 PSF	103.5 PSF	81.7 PSF	247.00 LB-FT	168.9 LB	421.5 LB	283.1 LB
30 "			130.4 PSF	103.0 PSF	130.4 PSF	103.0 PSF	86.9 PSF	68.6 PSF	86.9 PSF	68.6 PSF	247.00 LB-FT	140.4 LB	384.2 LB	281.8 LB
36 "			112.1 PSF	88.5 PSF	112.1 PSF	88.5 PSF	74.7 PSF	59.0 PSF	74.7 PSF	59.0 PSF	247.00 LB-FT	120.7 LB	359.4 LB	281.9 LB
18 "	36 "	1260 in²	147.2 PSF	116.2 PSF	138.5 PSF	109.3 PSF	98.1 PSF	77.5 PSF	92.4 PSF	72.9 PSF	247.00 LB-FT	214.7 LB	510.9 LB	314.7 LB
24 "			115.8 PSF	91.4 PSF	113.8 PSF	89.8 PSF	77.2 PSF	60.9 PSF	75.9 PSF	59.9 PSF	247.00 LB-FT	168.9 LB	442.7 LB	304.2 LB
30 "			96.2 PSF	76.0 PSF	96.2 PSF	76.0 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	140.4 LB	401.7 LB	299.4 LB
36 "			82.7 PSF	65.3 PSF	82.7 PSF	65.3 PSF	55.1 PSF	43.5 PSF	55.1 PSF	43.5 PSF	247.00 LB-FT	120.7 LB	374.5 LB	297.0 LB
18 "	42 "	1680 in²	110.4 PSF	87.1 PSF	103.1 PSF	81.4 PSF	73.6 PSF	58.1 PSF	68.8 PSF	54.3 PSF	247.00 LB-FT	214.7 LB	537.8 LB	341.5 LB
24 "			86.8 PSF	68.6 PSF	84.8 PSF	66.9 PSF	57.9 PSF	45.7 PSF	56.6 PSF	44.7 PSF	247.00 LB-FT	168.9 LB	463.8 LB	325.3 LB
30 "			72.2 PSF	57.0 PSF	72.2 PSF	57.0 PSF	48.1 PSF	38.0 PSF	48.1 PSF	38.0 PSF	247.00 LB-FT	140.4 LB	419.3 LB	316.9 LB
36 "			62.0 PSF	49.0 PSF	62.0 PSF	49.0 PSF	41.3 PSF	32.6 PSF	41.3 PSF	32.6 PSF	247.00 LB-FT	120.7 LB	389.6 LB	312.1 LB
18 "	48 "	2304 in²	80.5 PSF	63.5 PSF	74.6 PSF	58.9 PSF	53.6 PSF	42.3 PSF	49.8 PSF	39.3 PSF	247.00 LB-FT	214.7 LB	564.6 LB	368.4 LB
24 "			63.3 PSF	50.0 PSF	61.4 PSF	48.5 PSF	42.2 PSF	33.3 PSF	41.0 PSF	32.4 PSF	247.00 LB-FT	168.9 LB	484.9 LB	346.5 LB
30 "			52.6 PSF	41.5 PSF	52.6 PSF	41.5 PSF	35.1 PSF	27.7 PSF	35.1 PSF	27.7 PSF	247.00 LB-FT	140.4 LB	436.8 LB	334.5 LB
36 "			45.2 PSF	35.7 PSF	45.2 PSF	35.7 PSF	30.1 PSF	23.8 PSF	30.1 PSF	23.8 PSF	247.00 LB-FT	120.7 LB	404.7 LB	327.2 LB

"XHD" STAND DESIGN SCHEDULE

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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ALUMINUM A/C STANDS
FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

24" STAND DEPTH: MAX FACE AREA (6624in² - 27648in²), FRAME QUANTITY (12-15 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	6624 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	195.6 PSF	154.4 PSF	196.7 PSF	155.3 PSF	181.7 PSF	143.5 PSF	181.6 PSF	143.4 PSF	167.8 PSF	132.5 PSF	311.90 LB-FT	348.1 LB	1211.5 LB	1032.5 LB
24 "			176.3 PSF	139.2 PSF	176.3 PSF	139.2 PSF	164.6 PSF	129.9 PSF	164.6 PSF	129.9 PSF	152.8 PSF	120.6 PSF	152.8 PSF	120.6 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	311.90 LB-FT	270.4 LB	1074.4 LB	990.8 LB
30 "			144.4 PSF	114.0 PSF	144.4 PSF	114.0 PSF	134.8 PSF	106.4 PSF	134.8 PSF	106.4 PSF	125.1 PSF	98.8 PSF	125.1 PSF	98.8 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	311.90 LB-FT	221.4 LB	987.4 LB	965.7 LB
36 "			122.4 PSF	96.6 PSF	122.4 PSF	96.6 PSF	114.2 PSF	90.2 PSF	114.2 PSF	90.2 PSF	106.1 PSF	83.7 PSF	106.1 PSF	83.7 PSF	97.9 PSF	77.3 PSF	97.9 PSF	77.3 PSF	311.90 LB-FT	187.7 LB	928.0 LB	948.8 LB
18 "	30 "	11160 in²	134.7 PSF	106.3 PSF	121.4 PSF	95.9 PSF	125.7 PSF	99.3 PSF	113.4 PSF	89.5 PSF	116.7 PSF	92.2 PSF	105.3 PSF	83.1 PSF	107.8 PSF	85.1 PSF	97.3 PSF	76.8 PSF	311.90 LB-FT	348.1 LB	1301.3 LB	1119.5 LB
24 "			104.6 PSF	82.6 PSF	102.6 PSF	81.0 PSF	97.7 PSF	77.1 PSF	95.8 PSF	75.6 PSF	90.7 PSF	71.6 PSF	89.0 PSF	70.2 PSF	83.7 PSF	66.1 PSF	82.2 PSF	64.9 PSF	311.90 LB-FT	270.4 LB	1142.0 LB	1058.4 LB
30 "			85.7 PSF	67.6 PSF	85.7 PSF	67.6 PSF	80.0 PSF	63.1 PSF	80.0 PSF	63.1 PSF	74.3 PSF	58.6 PSF	74.3 PSF	58.6 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	311.90 LB-FT	221.4 LB	1042.8 LB	1021.0 LB
36 "			72.6 PSF	57.3 PSF	72.6 PSF	57.3 PSF	67.8 PSF	53.5 PSF	67.8 PSF	53.5 PSF	62.9 PSF	49.7 PSF	62.9 PSF	49.7 PSF	58.1 PSF	45.8 PSF	58.1 PSF	45.8 PSF	311.90 LB-FT	187.7 LB	974.9 LB	995.8 LB
18 "	36 "	15120 in²	99.4 PSF	78.5 PSF	87.6 PSF	69.1 PSF	92.8 PSF	73.2 PSF	81.7 PSF	64.5 PSF	86.2 PSF	68.0 PSF	75.9 PSF	59.9 PSF	79.5 PSF	62.8 PSF	70.1 PSF	55.4 PSF	311.90 LB-FT	348.1 LB	1388.3 LB	1206.5 LB
24 "			77.2 PSF	61.0 PSF	74.2 PSF	58.6 PSF	72.1 PSF	56.9 PSF	69.3 PSF	54.7 PSF	66.9 PSF	52.8 PSF	64.4 PSF	50.8 PSF	61.8 PSF	48.8 PSF	59.5 PSF	46.9 PSF	311.90 LB-FT	270.4 LB	1209.6 LB	1126.0 LB
30 "			63.2 PSF	49.9 PSF	63.2 PSF	49.9 PSF	59.0 PSF	46.6 PSF	59.0 PSF	46.6 PSF	54.8 PSF	43.3 PSF	54.8 PSF	43.3 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	311.90 LB-FT	221.4 LB	1098.2 LB	1076.4 LB
36 "			53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	50.0 PSF	39.5 PSF	50.0 PSF	39.5 PSF	46.4 PSF	36.6 PSF	46.4 PSF	36.6 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	311.90 LB-FT	187.7 LB	1021.8 LB	1042.7 LB
18 "	42 "	20160 in²	74.6 PSF	58.8 PSF	64.2 PSF	50.7 PSF	69.6 PSF	54.9 PSF	59.9 PSF	47.3 PSF	64.6 PSF	51.0 PSF	55.7 PSF	43.9 PSF	59.6 PSF	47.1 PSF	51.4 PSF	40.6 PSF	311.90 LB-FT	348.1 LB	1475.3 LB	1293.6 LB
24 "			57.9 PSF	45.7 PSF	54.6 PSF	43.1 PSF	54.0 PSF	42.7 PSF	51.0 PSF	40.2 PSF	50.2 PSF	39.6 PSF	47.4 PSF	37.4 PSF	46.3 PSF	36.6 PSF	43.7 PSF	34.5 PSF	311.90 LB-FT	270.4 LB	1277.2 LB	1193.6 LB
30 "			47.4 PSF	37.4 PSF	47.4 PSF	37.4 PSF	44.2 PSF	34.9 PSF	44.2 PSF	34.9 PSF	41.1 PSF	32.4 PSF	41.1 PSF	32.4 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	311.90 LB-FT	221.4 LB	1153.6 LB	1131.8 LB
36 "			40.2 PSF	31.7 PSF	40.2 PSF	31.7 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	34.8 PSF	27.5 PSF	34.8 PSF	27.5 PSF	32.1 PSF	25.4 PSF	32.1 PSF	25.4 PSF	311.90 LB-FT	187.7 LB	1068.8 LB	1089.6 LB
18 "	48 "	27648 in²	54.3 PSF	42.9 PSF	45.8 PSF	36.1 PSF	50.7 PSF	40.0 PSF	42.7 PSF	37.3 PSF	47.1 PSF	37.2 PSF	39.7 PSF	31.3 PSF	43.5 PSF	34.3 PSF	36.6 PSF	28.9 PSF	311.90 LB-FT	348.1 LB	1562.4 LB	1380.6 LB
24 "			42.2 PSF	33.3 PSF	39.1 PSF	30.8 PSF	39.4 PSF	31.1 PSF	36.5 PSF	28.8 PSF	36.6 PSF	28.9 PSF	33.9 PSF	26.7 PSF	33.8 PSF	26.6 PSF	31.3 PSF	24.7 PSF	311.90 LB-FT	270.4 LB	1344.8 LB	1261.2 LB
30 "			34.6 PSF	27.3 PSF	34.1 PSF	26.9 PSF	32.3 PSF	25.5 PSF	31.8 PSF	25.1 PSF	29.9 PSF	23.6 PSF	29.6 PSF	23.3 PSF	27.6 PSF	21.8 PSF	27.3 PSF	21.5 PSF	311.90 LB-FT	221.4 LB	1208.9 LB	1187.1 LB
36 "			29.3 PSF	23.1 PSF	29.3 PSF	23.1 PSF	27.3 PSF	21.6 PSF	27.3 PSF	21.6 PSF	25.4 PSF	20.0 PSF	25.4 PSF	20.0 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	311.90 LB-FT	187.7 LB	1115.7 LB	1136.6 LB

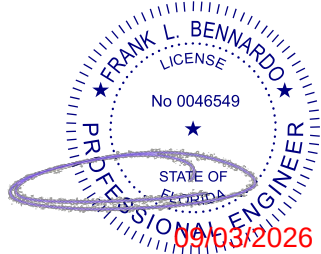
36" STAND DEPTH: MAX FACE AREA (6624in² - 27648in²), FRAME QUANTITY (12-15 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT						
18 "	24 "	6624 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	199.9 PSF	157.8 PSF	199.9 PSF	157.8 PSF	185.6 PSF	146.5 PSF	185.6 PSF	146.5 PSF	171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	311.90 LB-FT	328.5 LB	842.3 LB	686.6 LB
24 "			167.6 PSF	132.3 PSF	167.6 PSF	132.3 PSF	156.4 PSF	123.5 PSF	156.4 PSF	123.5 PSF	145.2 PSF	114.6 PSF	145.2 PSF	114.6 PSF	134.0 PSF	105.8 PSF	134.0 PSF	105.8 PSF	311.90 LB-FT	256.9 LB	741.7 LB	675.0 LB
30 "			138.0 PSF	109.0 PSF	138.0 PSF	109.0 PSF	128.8 PSF	101.7 PSF	128.8 PSF	101.7 PSF	119.6 PSF	94.4 PSF	119.6 PSF	94.4 PSF	110.4 PSF	87.2 PSF	110.4 PSF	87.2 PSF	311.90 LB-FT	211.7 LB	678.4 LB	669.0 LB
36 "			117.5 PSF	92.8 PSF	117.5 PSF	92.8 PSF	109.7 PSF	86.6 PSF	109.7 PSF	86.6 PSF	101.9 PSF	80.4 PSF	101.9 PSF	80.4 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	311.90 LB-FT	180.2 LB	635.1 LB	665.4 LB
18 "	30 "	11160 in²	127.1 PSF	100.3 PSF	127.1 PSF	100.3 PSF	118.6 PSF	93.7 PSF	118.6 PSF	93.7 PSF	110.2 PSF	87.0 PSF	110.2 PSF	87.0 PSF	101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	311.90 LB-FT	328.5 LB	898.3 LB	741.4 LB
24 "			99.4 PSF	78.5 PSF	99.4 PSF	78.5 PSF	92.8 PSF	73.3 PSF	92.8 PSF	73.3 PSF	86.2 PSF	68.0 PSF	86.2 PSF	68.0 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	256.9 LB	784.5 LB	717.9 LB
30 "			81.9 PSF	64.7 PSF	81.9 PSF	64.7 PSF	76.4 PSF	60.3 PSF	76.4 PSF	60.3 PSF	71.0 PSF	56.0 PSF	71.0 PSF	56.0 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	311.90 LB-FT	211.7 LB	713.7 LB	704.3 LB
36 "			69.7 PSF	55.0 PSF	69.7 PSF	55.0 PSF	65.1 PSF	51.4 PSF	65.1 PSF	51.4 PSF	60.4 PSF	47.7 PSF	60.4 PSF	47.7 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	311.90 LB-FT	180.2 LB	665.2 LB	695.4 LB
18 "	36 "	15120 in²	93.8 PSF	74.1 PSF	93.8 PSF	74.1 PSF	87.6 PSF	69.1 PSF	87.6 PSF	69.1 PSF	81.3 PSF	64.2 PSF	81.3 PSF	64.2 PSF	75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	311.90 LB-FT	328.5 LB	953.1 LB	796.1 LB
24 "			73.4 PSF	57.9 PSF	73.4 PSF	57.9 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	63.6 PSF	50.2 PSF	63.6 PSF	50.2 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	311.90 LB-FT	256.9 LB	827.3 LB	760.7 LB
30 "			60.4 PSF	47.7 PSF	60.4 PSF	47.7 PSF	56.4 PSF	44.5 PSF	56.4 PSF	44.5 PSF	52.4 PSF	41.3 PSF	52.4 PSF	41.3 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	311.90 LB-FT	211.7 LB	749.0 LB	739.5 LB
36 "			51.5 PSF	40.6 PSF	51.5 PSF	40.6 PSF	48.0 PSF	37.9 PSF	48.0 PSF	37.9 PSF	44.6 PSF	35.2 PSF	44.6 PSF	35.2 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	311.90 LB-FT	180.2 LB	695.2 LB	725.5 LB
18 "	42 "	20160 in²	70.3 PSF	55.5 PSF	69.6 PSF	54.9 PSF	65.7 PSF	51.8 PSF	65.0 PSF	51.3 PSF	61.0 PSF	48.1 PSF	60.3 PSF	47.6 PSF	56.3 PSF	44.4 PSF	55.7 PSF	44.0 PSF	311.90 LB-FT	328.5 LB	1007.8 LB	850.9 LB
24 "			55.0 PSF	43.4 PSF	55.0 PSF	43.4 PSF	51.3 PSF	40.5 PSF	51.3 PSF	40.5 PSF	47.7 PSF	37.6 PSF	47.7 PSF	37.6 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	311.90 LB-FT	256.9 LB	870.2 LB	803.5 LB
30 "			45.3 PSF	35.8 PSF	45.3 PSF	35.8 PSF	42.3 PSF	33.4 PSF	42.3 PSF	33.4 PSF	39.3 PSF	31.0 PSF	39.3 PSF	31.0 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	311.90 LB-FT	211.7 LB	784.3 LB	774.8 LB
36 "			38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	36.0 PSF	28.4 PSF	36.0 PSF	28.4 PSF	33.4 PSF	26.4 PSF	33.4 PSF	26.4 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	311.90 LB-FT	180.2 LB	725.3 LB	755.5 LB
18 "	48 "	27648 in²	51.3 PSF	40.5 PSF	49.9 PSF	39.4 PSF	47.9 PSF	37.8 PSF	46.6 PSF	36.8 PSF	44.4 PSF	35.1 PSF	43.3 PSF	34.2 PSF	41.0 PSF	32.4 PSF	40.0 PSF	31.5 PSF	311.90 LB-FT	328.5 LB	1062.6 LB	905.6 LB
24 "			40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	37.4 PSF	29.5 PSF	37.4 PSF	29.5 PSF	34.8 PSF	27.4 PSF	34.8 PSF	27.4 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	311.90 LB-FT	256.9 LB	913.0 LB	846.4 LB
30 "			33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	30.8 PSF	24.3 PSF	30.8 PSF	24.3 PSF	28.6 PSF	22.6 PSF	28.6 PSF	22.6 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	311.90 LB-FT	211.7 LB	819.6 LB	810.1 LB
36 "			28.1 PSF	22.2 PSF	28.1 PSF	22.2 PSF	26.2 PSF	20.7 PSF	26.2 PSF	20.7 PSF	24.4 PSF	19.2 PSF	24.4 PSF	19.2 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	311.90 LB-FT	180.2 LB	755.3 LB	785.6 LB

"XHD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

FL 16921.1

24" STAND DEPTH: MAX FACE AREA (4968in² - 20736in²), FRAME QUANTITY (9-12 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3	ANCHOR TYPE: 1 OR 4	ANCHORS TYPE: 2 OR 3				
18 "	24 "	4968 in²	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	311.90 LB-FT	348.1 LB	1209.7 LB	1032.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	186.4 PSF	147.1 PSF	181.6 PSF	143.4 PSF	167.8 PSF	132.5 PSF	311.90 LB-FT	348.1 LB	1209.7 LB	1032.5 LB
30 "			188.1 PSF	148.5 PSF	188.1 PSF	148.5 PSF	172.4 PSF	136.1 PSF	172.4 PSF	136.1 PSF	156.7 PSF	123.7 PSF	156.7 PSF	123.7 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	311.90 LB-FT	270.4 LB	1075.5 LB	990.8 LB
36 "			154.0 PSF	121.6 PSF	154.0 PSF	121.6 PSF	141.2 PSF	111.5 PSF	141.2 PSF	111.5 PSF	128.4 PSF	101.3 PSF	128.4 PSF	101.3 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	311.90 LB-FT	221.4 LB	988.6 LB	965.7 LB
18 "	30 "	8370 in²	130.5 PSF	103.0 PSF	130.5 PSF	103.0 PSF	119.7 PSF	94.5 PSF	119.7 PSF	94.5 PSF	108.8 PSF	85.9 PSF	108.8 PSF	85.9 PSF	97.9 PSF	77.3 PSF	97.9 PSF	77.3 PSF	311.90 LB-FT	187.7 LB	929.1 LB	948.8 LB
24 "			143.7 PSF	113.4 PSF	129.5 PSF	102.2 PSF	131.7 PSF	104.0 PSF	118.7 PSF	93.7 PSF	119.7 PSF	94.5 PSF	108.0 PSF	85.3 PSF	107.8 PSF	85.1 PSF	97.3 PSF	76.8 PSF	311.90 LB-FT	348.1 LB	1302.4 LB	1119.5 LB
30 "			111.6 PSF	88.1 PSF	109.4 PSF	86.4 PSF	102.3 PSF	80.8 PSF	100.3 PSF	79.2 PSF	93.0 PSF	73.4 PSF	91.2 PSF	72.0 PSF	83.7 PSF	66.1 PSF	82.2 PSF	64.9 PSF	311.90 LB-FT	270.4 LB	1143.1 LB	1058.4 LB
36 "			91.4 PSF	72.2 PSF	91.4 PSF	72.2 PSF	83.8 PSF	66.1 PSF	83.8 PSF	66.1 PSF	76.2 PSF	60.1 PSF	76.2 PSF	60.1 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	311.90 LB-FT	221.4 LB	1043.9 LB	1021.0 LB
18 "	36 "	11340 in²	77.5 PSF	61.1 PSF	77.5 PSF	61.1 PSF	71.0 PSF	56.0 PSF	71.0 PSF	56.0 PSF	64.5 PSF	50.9 PSF	64.5 PSF	50.9 PSF	58.1 PSF	45.8 PSF	58.1 PSF	45.8 PSF	311.90 LB-FT	187.7 LB	976.0 LB	995.8 LB
24 "			106.1 PSF	83.7 PSF	93.4 PSF	73.7 PSF	97.2 PSF	76.7 PSF	85.6 PSF	67.6 PSF	88.4 PSF	69.8 PSF	77.9 PSF	61.5 PSF	79.5 PSF	62.8 PSF	70.1 PSF	55.4 PSF	311.90 LB-FT	348.1 LB	1389.4 LB	1206.5 LB
30 "			82.4 PSF	65.0 PSF	79.2 PSF	62.5 PSF	75.5 PSF	59.6 PSF	72.6 PSF	57.3 PSF	68.6 PSF	54.2 PSF	66.0 PSF	52.1 PSF	61.8 PSF	48.8 PSF	59.5 PSF	46.9 PSF	311.90 LB-FT	270.4 LB	1210.7 LB	1126.0 LB
36 "			67.5 PSF	53.2 PSF	67.5 PSF	53.2 PSF	61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	56.2 PSF	44.4 PSF	56.2 PSF	44.4 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	311.90 LB-FT	221.4 LB	1099.3 LB	1076.4 LB
18 "	42 "	15120 in²	57.2 PSF	45.1 PSF	57.2 PSF	45.1 PSF	52.4 PSF	41.4 PSF	52.4 PSF	41.4 PSF	47.6 PSF	37.6 PSF	47.6 PSF	37.6 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	311.90 LB-FT	187.7 LB	1022.9 LB	1042.7 LB
24 "			79.5 PSF	62.8 PSF	68.4 PSF	54.0 PSF	72.9 PSF	57.5 PSF	62.8 PSF	49.5 PSF	66.3 PSF	52.3 PSF	57.1 PSF	45.1 PSF	59.6 PSF	47.1 PSF	51.4 PSF	40.6 PSF	311.90 LB-FT	348.1 LB	1476.5 LB	1293.6 LB
30 "			61.8 PSF	48.8 PSF	58.2 PSF	46.0 PSF	56.6 PSF	44.7 PSF	53.4 PSF	42.1 PSF	51.5 PSF	40.6 PSF	48.6 PSF	38.3 PSF	46.3 PSF	36.6 PSF	43.7 PSF	34.5 PSF	311.90 LB-FT	270.4 LB	1278.3 LB	1193.6 LB
36 "			50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	46.4 PSF	36.6 PSF	46.4 PSF	36.6 PSF	42.1 PSF	33.3 PSF	42.1 PSF	33.3 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	311.90 LB-FT	221.4 LB	1154.7 LB	1131.8 LB
18 "	48 "	20736 in²	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	39.3 PSF	31.0 PSF	39.3 PSF	31.0 PSF	35.7 PSF	28.2 PSF	35.7 PSF	28.2 PSF	32.1 PSF	25.4 PSF	32.1 PSF	25.4 PSF	311.90 LB-FT	187.7 LB	1069.9 LB	1089.6 LB
24 "			58.0 PSF	45.8 PSF	48.8 PSF	38.5 PSF	53.1 PSF	41.9 PSF	44.7 PSF	35.3 PSF	48.3 PSF	38.1 PSF	40.7 PSF	32.1 PSF	43.5 PSF	34.3 PSF	36.6 PSF	28.9 PSF	311.90 LB-FT	348.1 LB	1563.5 LB	1380.6 LB
30 "			45.0 PSF	35.5 PSF	41.6 PSF	32.9 PSF	41.3 PSF	32.6 PSF	38.2 PSF	30.1 PSF	37.5 PSF	29.6 PSF	34.7 PSF	27.4 PSF	33.8 PSF	26.6 PSF	31.3 PSF	24.7 PSF	311.90 LB-FT	270.4 LB	1346.0 LB	1261.2 LB
36 "			36.9 PSF	29.1 PSF	36.4 PSF	28.7 PSF	33.8 PSF	26.7 PSF	33.3 PSF	26.3 PSF	30.7 PSF	24.2 PSF	30.3 PSF	23.9 PSF	27.6 PSF	21.8 PSF	27.3 PSF	21.5 PSF	311.90 LB-FT	221.4 LB	1210.1 LB	1187.1 LB
36 "			31.2 PSF	24.7 PSF	31.2 PSF	24.7 PSF	28.6 PSF	22.6 PSF	28.6 PSF	22.6 PSF	26.0 PSF	20.5 PSF	26.0 PSF	20.5 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	311.90 LB-FT	187.7 LB	1116.8 LB	1136.6 LB

36" STAND DEPTH: MAX FACE AREA (4968in² - 20736in²), FRAME QUANTITY (9-12 FRAMES)

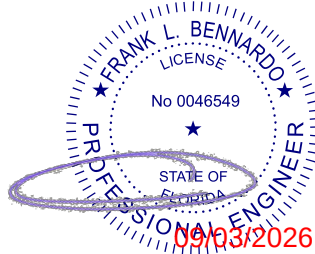
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	4968 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	190.4 PSF	150.3 PSF	190.4 PSF	150.3 PSF	171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	311.90 LB-FT	328.5 LB	841.3 LB	686.6 LB
24 "			178.7 PSF	141.1 PSF	178.7 PSF	141.1 PSF	163.8 PSF	129.3 PSF	163.8 PSF	129.3 PSF	148.9 PSF	117.6 PSF	148.9 PSF	117.6 PSF	134.0 PSF	105.8 PSF	134.0 PSF	105.8 PSF	311.90 LB-FT	256.9 LB	742.8 LB	675.0 LB
30 "			147.2 PSF	116.2 PSF	147.2 PSF	116.2 PSF	135.0 PSF	106.5 PSF	135.0 PSF	106.5 PSF	122.7 PSF	96.8 PSF	122.7 PSF	96.8 PSF	110.4 PSF	87.2 PSF	110.4 PSF	87.2 PSF	311.90 LB-FT	211.7 LB	679.5 LB	669.0 LB
36 "			125.4 PSF	99.0 PSF	125.4 PSF	99.0 PSF	114.9 PSF	90.7 PSF	114.9 PSF	90.7 PSF	104.5 PSF	82.5 PSF	104.5 PSF	82.5 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	311.90 LB-FT	180.2 LB	636.2 LB	645.4 LB
18 "	30 "	8370 In²	135.6 PSF	107.0 PSF	135.6 PSF	107.0 PSF	124.3 PSF	98.1 PSF	124.3 PSF	98.1 PSF	113.0 PSF	89.2 PSF	113.0 PSF	89.2 PSF	101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	311.90 LB-FT	328.5 LB	899.4 LB	741.4 LB
24 "			106.1 PSF	83.7 PSF	106.1 PSF	83.7 PSF	97.2 PSF	76.7 PSF	97.2 PSF	76.7 PSF	88.4 PSF	69.8 PSF	88.4 PSF	69.8 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	256.9 LB	785.6 LB	717.9 LB
30 "			87.4 PSF	69.0 PSF	87.4 PSF	69.0 PSF	80.1 PSF	63.2 PSF	80.1 PSF	63.2 PSF	72.8 PSF	57.5 PSF	72.8 PSF	57.5 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	311.90 LB-FT	211.7 LB	714.8 LB	704.3 LB
36 "			74.4 PSF	58.7 PSF	74.4 PSF	58.7 PSF	68.2 PSF	53.8 PSF	68.2 PSF	53.8 PSF	62.0 PSF	48.9 PSF	62.0 PSF	48.9 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	311.90 LB-FT	180.2 LB	666.3 LB	695.4 LB
18 "	36 "	11340 in²	100.1 PSF	79.0 PSF	100.1 PSF	79.0 PSF	91.7 PSF	72.4 PSF	91.7 PSF	72.4 PSF	83.4 PSF	65.8 PSF	83.4 PSF	65.8 PSF	75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	311.90 LB-FT	328.5 LB	954.2 LB	796.1 LB
24 "			78.3 PSF	61.8 PSF	78.3 PSF	61.8 PSF	71.7 PSF	56.6 PSF	71.7 PSF	56.6 PSF	65.2 PSF	51.5 PSF	65.2 PSF	51.5 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	311.90 LB-FT	256.9 LB	828.5 LB	760.7 LB
30 "			64.5 PSF	50.9 PSF	64.5 PSF	50.9 PSF	59.1 PSF	46.6 PSF	59.1 PSF	46.6 PSF	53.7 PSF	42.4 PSF	53.7 PSF	42.4 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	311.90 LB-FT	211.7 LB	750.1 LB	739.5 LB
36 "			54.9 PSF	43.3 PSF	54.9 PSF	43.3 PSF	50.3 PSF	39.7 PSF	50.3 PSF	39.7 PSF	45.7 PSF	36.1 PSF	45.7 PSF	36.1 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	311.90 LB-FT	180.2 LB	696.3 LB	725.5 LB
18 "	42 "	15120 in²	75.0 PSF	59.2 PSF	74.2 PSF	58.6 PSF	68.8 PSF	54.3 PSF	68.8 PSF	53.7 PSF	62.5 PSF	49.4 PSF	61.9 PSF	48.8 PSF	56.3 PSF	44.4 PSF	55.7 PSF	44.0 PSF	311.90 LB-FT	328.5 LB	1009.0 LB	850.9 LB
24 "			58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	53.8 PSF	42.5 PSF	53.8 PSF	42.5 PSF	48.9 PSF	38.6 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	311.90 LB-FT	256.9 LB	871.3 LB	803.5 LB
30 "			48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	44.3 PSF	35.0 PSF	44.3 PSF	35.0 PSF	40.3 PSF	31.8 PSF	40.3 PSF	31.8 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	311.90 LB-FT	211.7 LB	785.4 LB	774.8 LB
36 "			41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	37.7 PSF	29.8 PSF	37.7 PSF	29.8 PSF	34.3 PSF	27.1 PSF	34.3 PSF	27.1 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	311.90 LB-FT	180.2 LB	726.4 LB	755.5 LB
18 "	48 "	20736 in²	54.7 PSF	43.2 PSF	53.2 PSF	42.0 PSF	50.1 PSF	39.6 PSF	48.8 PSF	38.5 PSF	45.6 PSF	36.0 PSF	44.4 PSF	35.0 PSF	41.0 PSF	32.4 PSF	40.0 PSF	31.5 PSF	311.90 LB-FT	328.5 LB	1063.7 LB	905.6 LB
24 "			42.8 PSF	33.8 PSF	42.8 PSF	33.8 PSF	39.2 PSF	30.9 PSF	39.2 PSF	30.9 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	311.90 LB-FT	256.9 LB	914.1 LB	846.4 LB
30 "			35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	29.4 PSF	23.2 PSF	29.4 PSF	23.2 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	311.90 LB-FT	211.7 LB	820.7 LB	810.1 LB
36 "			30.0 PSF	23.7 PSF	30.0 PSF	23.7 PSF	27.5 PSF	21.7 PSF	27.5 PSF	21.7 PSF	25.0 PSF	19.7 PSF	25.0 PSF	19.7 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	311.90 LB-FT	180.2 LB	756.4 LB	785.6 LB

"XHD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

24" STAND DEPTH: MAX FACE AREA (2760in² - 11520in²), FRAME QUANTITY (5-8 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2760 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.6 PSF	143.4 PSF	167.8 PSF	132.5 PSF	311.90 LB-FT	348.1 LB	1209.7 LB	1032.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	197.5 PSF	155.9 PSF	197.4 PSF	155.9 PSF	169.3 PSF	133.6 PSF	169.3 PSF	133.6 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	311.90 LB-FT	270.4 LB	1076.3 LB	990.8 LB
30 "			184.9 PSF	145.9 PSF	184.9 PSF	145.9 PSF	161.7 PSF	127.7 PSF	161.7 PSF	127.7 PSF	138.6 PSF	109.4 PSF	138.6 PSF	109.4 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	311.90 LB-FT	221.4 LB	991.4 LB	965.7 LB
36 "			156.7 PSF	123.7 PSF	156.7 PSF	123.7 PSF	137.1 PSF	108.2 PSF	137.1 PSF	108.2 PSF	117.5 PSF	92.7 PSF	117.5 PSF	92.7 PSF	97.9 PSF	77.3 PSF	97.9 PSF	77.3 PSF	311.90 LB-FT	187.7 LB	931.9 LB	948.8 LB
18 "	30 "	4650 in²	172.5 PSF	136.1 PSF	155.3 PSF	122.6 PSF	150.9 PSF	119.1 PSF	135.9 PSF	107.3 PSF	129.3 PSF	102.1 PSF	116.6 PSF	92.0 PSF	107.8 PSF	85.1 PSF	97.3 PSF	76.8 PSF	311.90 LB-FT	348.1 LB	1305.2 LB	1119.5 LB
24 "			133.9 PSF	105.7 PSF	131.2 PSF	103.5 PSF	117.2 PSF	92.5 PSF	114.8 PSF	90.7 PSF	100.4 PSF	79.3 PSF	98.5 PSF	77.8 PSF	83.7 PSF	66.1 PSF	82.2 PSF	64.9 PSF	311.90 LB-FT	270.4 LB	1145.9 LB	1058.4 LB
30 "			109.7 PSF	86.6 PSF	109.7 PSF	86.6 PSF	96.0 PSF	75.8 PSF	96.0 PSF	75.8 PSF	82.3 PSF	64.9 PSF	82.3 PSF	64.9 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	311.90 LB-FT	221.4 LB	1046.8 LB	1021.0 LB
36 "			93.0 PSF	73.4 PSF	93.0 PSF	73.4 PSF	81.3 PSF	64.2 PSF	81.3 PSF	64.2 PSF	69.7 PSF	55.0 PSF	69.7 PSF	55.0 PSF	58.1 PSF	45.8 PSF	58.1 PSF	45.8 PSF	311.90 LB-FT	187.7 LB	978.8 LB	995.8 LB
18 "	36 "	6300 in²	127.3 PSF	100.5 PSF	112.0 PSF	88.4 PSF	111.4 PSF	87.9 PSF	98.0 PSF	77.4 PSF	95.4 PSF	75.3 PSF	84.1 PSF	66.4 PSF	79.5 PSF	62.8 PSF	70.1 PSF	55.4 PSF	311.90 LB-FT	348.1 LB	1392.2 LB	1206.5 LB
24 "			98.9 PSF	78.0 PSF	94.9 PSF	74.9 PSF	86.5 PSF	68.3 PSF	83.1 PSF	65.6 PSF	74.1 PSF	58.5 PSF	71.3 PSF	56.3 PSF	61.8 PSF	48.8 PSF	59.5 PSF	46.9 PSF	311.90 LB-FT	270.4 LB	1213.5 LB	1126.0 LB
30 "			81.0 PSF	63.9 PSF	81.0 PSF	63.9 PSF	70.8 PSF	55.9 PSF	70.8 PSF	55.9 PSF	60.7 PSF	47.9 PSF	60.7 PSF	47.9 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	311.90 LB-FT	221.4 LB	1102.1 LB	1076.4 LB
36 "			68.6 PSF	54.1 PSF	68.6 PSF	54.1 PSF	60.0 PSF	47.4 PSF	60.0 PSF	47.4 PSF	51.4 PSF	40.6 PSF	51.4 PSF	40.6 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	311.90 LB-FT	187.7 LB	1025.8 LB	1042.7 LB
18 "	42 "	8400 in²	95.4 PSF	75.3 PSF	82.1 PSF	64.8 PSF	83.5 PSF	65.9 PSF	71.8 PSF	56.7 PSF	71.6 PSF	56.5 PSF	61.6 PSF	48.6 PSF	59.6 PSF	47.1 PSF	51.4 PSF	40.6 PSF	311.90 LB-FT	348.1 LB	1479.3 LB	1293.6 LB
24 "			74.1 PSF	58.5 PSF	69.8 PSF	55.1 PSF	64.9 PSF	51.2 PSF	61.1 PSF	48.2 PSF	55.6 PSF	43.9 PSF	52.4 PSF	41.4 PSF	46.3 PSF	36.6 PSF	43.7 PSF	34.5 PSF	311.90 LB-FT	270.4 LB	1281.2 LB	1193.6 LB
30 "			60.7 PSF	47.9 PSF	60.7 PSF	47.9 PSF	53.1 PSF	41.9 PSF	53.1 PSF	41.9 PSF	45.5 PSF	35.9 PSF	45.5 PSF	35.9 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	311.90 LB-FT	221.4 LB	1157.5 LB	1131.8 LB
36 "			51.4 PSF	40.6 PSF	51.4 PSF	40.6 PSF	45.0 PSF	35.5 PSF	45.0 PSF	35.5 PSF	38.6 PSF	30.4 PSF	38.6 PSF	30.4 PSF	32.1 PSF	25.4 PSF	32.1 PSF	25.4 PSF	311.90 LB-FT	187.7 LB	1072.7 LB	1089.6 LB
18 "	48 "	11520 in²	69.6 PSF	54.9 PSF	58.5 PSF	46.2 PSF	60.9 PSF	48.1 PSF	51.2 PSF	40.4 PSF	52.2 PSF	41.2 PSF	43.9 PSF	34.7 PSF	43.5 PSF	34.3 PSF	36.6 PSF	28.9 PSF	311.90 LB-FT	348.1 LB	1566.3 LB	1380.6 LB
24 "			54.0 PSF	42.7 PSF	49.9 PSF	39.4 PSF	47.3 PSF	37.3 PSF	43.7 PSF	34.5 PSF	40.5 PSF	32.0 PSF	37.5 PSF	29.6 PSF	33.8 PSF	26.6 PSF	31.3 PSF	24.7 PSF	311.90 LB-FT	270.4 LB	1348.8 LB	1261.2 LB
30 "			44.2 PSF	34.9 PSF	43.6 PSF	34.4 PSF	38.7 PSF	30.6 PSF	38.2 PSF	30.1 PSF	33.2 PSF	26.2 PSF	32.7 PSF	25.8 PSF	27.6 PSF	21.8 PSF	27.3 PSF	21.5 PSF	311.90 LB-FT	221.4 LB	1212.9 LB	1187.1 LB
36 "			37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	32.8 PSF	25.9 PSF	32.8 PSF	25.9 PSF	28.1 PSF	22.2 PSF	28.1 PSF	22.2 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	311.90 LB-FT	187.7 LB	1119.6 LB	1136.6 LB

36" STAND DEPTH: MAX FACE AREA (2760in² - 11520in²), FRAME QUANTITY (5-8 FRAMES)

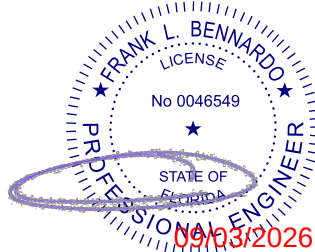
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2760 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	311.90 LB-FT	328.5 LB	839.1 LB	686.6 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	187.7 PSF	148.2 PSF	187.7 PSF	148.2 PSF	160.9 PSF	127.0 PSF	160.9 PSF	127.0 PSF	134.0 PSF	105.8 PSF	134.0 PSF	105.8 PSF	311.90 LB-FT	256.9 LB	743.6 LB	675.0 LB
30 "			176.7 PSF	139.5 PSF	176.7 PSF	139.5 PSF	154.6 PSF	122.0 PSF	154.6 PSF	122.0 PSF	132.5 PSF	104.6 PSF	132.5 PSF	104.6 PSF	110.4 PSF	87.2 PSF	110.4 PSF	87.2 PSF	311.90 LB-FT	211.7 LB	682.4 LB	669.0 LB
36 "			150.5 PSF	118.8 PSF	150.5 PSF	118.8 PSF	131.6 PSF	103.9 PSF	131.6 PSF	103.9 PSF	112.8 PSF	89.1 PSF	112.8 PSF	89.1 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	311.90 LB-FT	180.2 LB	639.1 LB	665.4 LB
18 "	30 "	4650 in²	162.7 PSF	128.5 PSF	162.7 PSF	128.5 PSF	142.4 PSF	112.4 PSF	142.4 PSF	112.4 PSF	122.0 PSF	96.3 PSF	122.0 PSF	96.3 PSF	101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	311.90 LB-FT	328.5 LB	902.3 LB	741.4 LB
24 "			127.3 PSF	100.5 PSF	127.3 PSF	100.5 PSF	111.4 PSF	87.9 PSF	111.4 PSF	87.9 PSF	95.5 PSF	75.3 PSF	95.5 PSF	75.3 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	256.9 LB	788.4 LB	717.9 LB
30 "			104.9 PSF	82.8 PSF	104.9 PSF	82.8 PSF	91.7 PSF	72.4 PSF	91.7 PSF	72.4 PSF	78.6 PSF	62.1 PSF	78.6 PSF	62.1 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	311.90 LB-FT	211.7 LB	717.6 LB	704.3 LB
36 "			89.3 PSF	70.5 PSF	89.3 PSF	70.5 PSF	78.1 PSF	61.7 PSF	78.1 PSF	61.7 PSF	66.9 PSF	52.8 PSF	66.9 PSF	52.8 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	311.90 LB-FT	180.2 LB	669.1 LB	695.4 LB
18 "	36 "	6300 in²	120.1 PSF	94.8 PSF	120.1 PSF	94.8 PSF	105.1 PSF	82.9 PSF	105.1 PSF	82.9 PSF	90.1 PSF	71.1 PSF	90.1 PSF	71.1 PSF	75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	311.90 LB-FT	328.5 LB	957.0 LB	796.1 LB
24 "			93.9 PSF	74.2 PSF	93.9 PSF	74.2 PSF	82.2 PSF	64.9 PSF	82.2 PSF	64.9 PSF	70.4 PSF	55.6 PSF	70.4 PSF	55.6 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	311.90 LB-FT	256.9 LB	831.3 LB	760.7 LB
30 "			77.4 PSF	61.1 PSF	77.4 PSF	61.1 PSF	67.7 PSF	53.4 PSF	67.7 PSF	53.4 PSF	58.0 PSF	45.8 PSF	58.0 PSF	45.8 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	311.90 LB-FT	211.7 LB	752.9 LB	739.5 LB
36 "			65.9 PSF	52.0 PSF	65.9 PSF	52.0 PSF	57.6 PSF	45.5 PSF	57.6 PSF	45.5 PSF	49.4 PSF	39.0 PSF	49.4 PSF	39.0 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	311.90 LB-FT	180.2 LB	699.2 LB	725.5 LB
18 "	42 "	8400 in²	90.1 PSF	71.1 PSF	89.0 PSF	70.2 PSF	78.8 PSF	62.2 PSF	77.9 PSF	61.5 PSF	67.5 PSF	53.3 PSF	66.8 PSF	52.7 PSF	56.3 PSF	44.4 PSF	55.7 PSF	44.0 PSF	311.90 LB-FT	328.5 LB	1011.8 LB	850.9 LB
24 "			70.4 PSF	55.6 PSF	70.4 PSF	55.6 PSF	61.6 PSF	48.6 PSF	61.6 PSF	48.6 PSF	52.8 PSF	41.7 PSF	52.8 PSF	41.7 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	311.90 LB-FT	256.9 LB	874.1 LB	803.5 LB
30 "			58.0 PSF	45.8 PSF	58.0 PSF	45.8 PSF	50.8 PSF	40.1 PSF	50.8 PSF	40.1 PSF	43.5 PSF	34.3 PSF	43.5 PSF	34.3 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	311.90 LB-FT	211.7 LB	788.2 LB	774.8 LB
36 "			49.4 PSF	39.0 PSF	49.4 PSF	39.0 PSF	43.2 PSF	34.1 PSF	43.2 PSF	34.1 PSF	37.0 PSF	29.2 PSF	37.0 PSF	29.2 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	311.90 LB-FT	180.2 LB	729.2 LB	755.5 LB
18 "	48 "	11520 in²	65.7 PSF	51.8 PSF	63.8 PSF	50.4 PSF	57.4 PSF	45.3 PSF	55.9 PSF	44.1 PSF	49.2 PSF	38.9 PSF	47.9 PSF						311.90 LB-FT	328.5 LB	1066.5 LB	905.6 LB
24 "			51.3 PSF	40.5 PSF	51.3 PSF	40.5 PSF	44.9 PSF	35.5 PSF	44.9 PSF	35.5 PSF	38.5 PSF	30.4 PSF	38.5 PSF	30.4 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	311.90 LB-FT	256.9 LB	916.9 LB	846.4 LB
30 "			42.3 PSF	33.4 PSF	42.3 PSF	33.4 PSF	37.0 PSF	29.2 PSF	37.0 PSF	29.2 PSF	31.7 PSF	25.0 PSF	31.7 PSF	25.0 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	311.90 LB-FT	211.7 LB	823.5 LB	810.1 LB
36 "			36.0 PSF	28.4 PSF	36.0 PSF	28.4 PSF	31.5 PSF	24.9 PSF	31.5 PSF	24.9 PSF	27.0 PSF	21.3 PSF	27.0 PSF	21.3 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	311.90 LB-FT	180.2 LB	759.3 LB	785.6 LB

"XHD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

FL 16921.1

24" STAND DEPTH: MAX FACE AREA (2208in² - 9216in²), FRAME QUANTITY (4-7 FRAMES)

24" STAND DEPTH: MAX FACE AREA (2208in² - 9216in²), FRAME QUANTITY (4-7 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	2208 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.6 PSF	143.4 PSF	167.8 PSF	132.5 PSF	311.90 LB-FT	348.1 LB	1209.7 LB	1032.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	176.3 PSF	139.2 PSF	176.3 PSF	139.2 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	311.90 LB-FT	270.4 LB	1074.4 LB	990.8 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	173.3 PSF	136.8 PSF	173.3 PSF	136.8 PSF	144.4 PSF	114.0 PSF	144.4 PSF	114.0 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	311.90 LB-FT	221.4 LB	990.4 LB	965.7 LB
36 "			171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	146.9 PSF	115.9 PSF	146.9 PSF	115.9 PSF	122.4 PSF	96.6 PSF	122.4 PSF	96.6 PSF	97.9 PSF	77.3 PSF	97.9 PSF	77.3 PSF	311.90 LB-FT	187.7 LB	933.1 LB	948.8 LB
18 "	30 "	3720 in²	188.6 PSF	148.9 PSF	169.8 PSF	134.0 PSF	161.7 PSF	127.6 PSF	145.6 PSF	114.9 PSF	134.7 PSF	106.3 PSF	121.4 PSF	95.9 PSF	107.8 PSF	85.1 PSF	97.3 PSF	76.8 PSF	311.90 LB-FT	348.1 LB	1306.4 LB	1119.5 LB
24 "			146.5 PSF	115.7 PSF	143.4 PSF	113.2 PSF	125.6 PSF	99.1 PSF	123.0 PSF	97.1 PSF	104.6 PSF	82.6 PSF	102.6 PSF	81.0 PSF	83.7 PSF	66.1 PSF	82.2 PSF	64.9 PSF	311.90 LB-FT	270.4 LB	1147.1 LB	1058.4 LB
30 "			120.0 PSF	94.7 PSF	120.0 PSF	94.7 PSF	102.8 PSF	81.2 PSF	102.8 PSF	81.2 PSF	85.7 PSF	67.6 PSF	85.7 PSF	67.6 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	311.90 LB-FT	221.4 LB	1048.0 LB	1021.0 LB
36 "			101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	87.1 PSF	68.8 PSF	87.1 PSF	68.8 PSF	72.6 PSF	57.3 PSF	72.6 PSF	57.3 PSF	58.1 PSF	45.8 PSF	58.1 PSF	45.8 PSF	311.90 LB-FT	187.7 LB	980.0 LB	995.8 LB
18 "	36 "	5040 in²	139.2 PSF	109.9 PSF	122.4 PSF	96.6 PSF	119.3 PSF	94.2 PSF	105.0 PSF	82.9 PSF	99.4 PSF	78.5 PSF	87.6 PSF	69.1 PSF	79.5 PSF	62.8 PSF	70.1 PSF	55.4 PSF	311.90 LB-FT	348.1 LB	1393.4 LB	1206.5 LB
24 "			108.1 PSF	85.4 PSF	103.8 PSF	81.9 PSF	92.7 PSF	73.2 PSF	89.0 PSF	70.3 PSF	77.2 PSF	61.0 PSF	74.2 PSF	58.6 PSF	61.8 PSF	48.8 PSF	59.5 PSF	46.9 PSF	311.90 LB-FT	270.4 LB	1214.7 LB	1126.0 LB
30 "			88.5 PSF	69.9 PSF	88.5 PSF	69.9 PSF	75.9 PSF	59.9 PSF	75.9 PSF	59.9 PSF	63.2 PSF	49.9 PSF	63.2 PSF	49.9 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	311.90 LB-FT	221.4 LB	1103.3 LB	1076.4 LB
36 "			75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	64.3 PSF	50.8 PSF	64.3 PSF	50.8 PSF	53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	311.90 LB-FT	187.7 LB	1027.0 LB	1042.7 LB
18 "	42 "	6720 in²	104.4 PSF	82.4 PSF	89.7 PSF	70.8 PSF	89.5 PSF	70.6 PSF	77.0 PSF	60.7 PSF	74.6 PSF	58.8 PSF	64.2 PSF	50.7 PSF	59.6 PSF	47.1 PSF	51.4 PSF	40.6 PSF	311.90 LB-FT	348.1 LB	1480.5 LB	1293.6 LB
24 "			81.1 PSF	64.0 PSF	76.3 PSF	60.3 PSF	69.5 PSF	54.9 PSF	65.5 PSF	51.7 PSF	57.9 PSF	45.7 PSF	54.6 PSF	43.1 PSF	46.3 PSF	36.6 PSF	43.7 PSF	34.5 PSF	311.90 LB-FT	270.4 LB	1282.4 LB	1193.6 LB
30 "			66.4 PSF	52.4 PSF	66.4 PSF	52.4 PSF	56.9 PSF	44.9 PSF	56.9 PSF	44.9 PSF	47.4 PSF	37.4 PSF	47.4 PSF	37.9 PSF	39.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	311.90 LB-FT	221.4 LB	1158.7 LB	1131.8 LB
36 "			56.3 PSF	44.4 PSF	56.3 PSF	44.4 PSF	48.2 PSF	38.1 PSF	48.2 PSF	38.1 PSF	40.2 PSF	31.7 PSF	40.2 PSF	31.7 PSF	32.1 PSF	25.4 PSF	32.1 PSF	25.4 PSF	311.90 LB-FT	187.7 LB	1073.9 LB	1089.6 LB
18 "	48 "	9216 in²	76.1 PSF	60.1 PSF	64.0 PSF	50.5 PSF	65.2 PSF	51.5 PSF	54.9 PSF	43.3 PSF	54.3 PSF	42.9 PSF	45.8 PSF	36.1 PSF	43.5 PSF	34.3 PSF	36.6 PSF	28.9 PSF	311.90 LB-FT	348.1 LB	1567.5 LB	1380.6 LB
24 "			59.1 PSF	46.7 PSF	54.6 PSF	43.1 PSF	50.7 PSF	40.0 PSF	46.8 PSF	37.0 PSF	42.2 PSF	33.3 PSF	39.1 PSF	30.8 PSF	33.8 PSF	26.6 PSF	31.3 PSF	24.7 PSF	311.90 LB-FT	270.4 LB	1350.0 LB	1261.2 LB
30 "			48.4 PSF	38.2 PSF	47.7 PSF	37.6 PSF	41.5 PSF	32.7 PSF	40.9 PSF	32.3 PSF	34.6 PSF	27.3 PSF	34.1 PSF	26.9 PSF	27.6 PSF	21.8 PSF	27.3 PSF	21.5 PSF	311.90 LB-FT	221.4 LB	1214.1 LB	1187.1 LB
36 "			41.0 PSF	32.4 PSF	41.0 PSF	32.4 PSF	35.1 PSF	27.7 PSF	35.1 PSF	27.7 PSF	29.3 PSF	23.1 PSF	29.3 PSF	23.1 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	311.90 LB-FT	187.7 LB	1120.8 LB	1136.6 LB

36" STAND DEPTH: MAX FACE AREA (2208in² - 9216in²), FRAME QUANTITY (4-7 FRAMES)

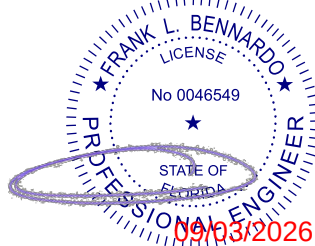
36" STAND DEPTH: MAX FACE AREA (2208in² - 9216in²), FRAME QUANTITY (4-7 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	2208 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	311.90 LB-FT	328.5 LB	839.1 LB	686.6 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	167.6 PSF	132.3 PSF	167.6 PSF	132.3 PSF	134.0 PSF	105.8 PSF	134.0 PSF	105.8 PSF	311.90 LB-FT	256.9 LB	741.7 LB	675.0 LB
30 "			193.3 PSF	152.6 PSF	193.3 PSF	152.6 PSF	165.6 PSF	130.8 PSF	165.6 PSF	130.8 PSF	138.0 PSF	109.0 PSF	138.0 PSF	109.0 PSF	110.4 PSF	87.2 PSF	110.4 PSF	87.2 PSF	311.90 LB-FT	211.7 LB	683.6 LB	669.0 LB
36 "			164.6 PSF	129.9 PSF	164.6 PSF	129.9 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	117.5 PSF	92.8 PSF	117.5 PSF	92.8 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	311.90 LB-FT	180.2 LB	640.3 LB	665.4 LB
18 "	30 "	3720 in²	178.0 PSF	140.5 PSF	178.0 PSF	140.5 PSF	152.5 PSF	120.4 PSF	152.5 PSF	120.4 PSF	127.1 PSF	100.3 PSF	127.1 PSF	100.3 PSF	101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	311.90 LB-FT	328.5 LB	903.5 LB	741.4 LB
24 "			139.2 PSF	109.9 PSF	139.2 PSF	109.9 PSF	119.3 PSF	94.2 PSF	119.3 PSF	94.2 PSF	99.4 PSF	78.5 PSF	99.4 PSF	78.5 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	256.9 LB	789.7 LB	717.9 LB
30 "			114.7 PSF	90.5 PSF	114.7 PSF	90.5 PSF	98.3 PSF	77.6 PSF	98.3 PSF	77.6 PSF	81.9 PSF	64.7 PSF	81.9 PSF	64.7 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	311.90 LB-FT	211.7 LB	718.8 LB	704.3 LB
36 "			97.7 PSF	77.1 PSF	97.7 PSF	77.1 PSF	83.7 PSF	66.1 PSF	83.7 PSF	66.1 PSF	69.7 PSF	55.0 PSF	69.7 PSF	55.0 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	311.90 LB-FT	180.2 LB	670.3 LB	695.4 LB
18 "	36 "	5040 in²	131.4 PSF	103.7 PSF	131.4 PSF	103.7 PSF	112.6 PSF	88.9 PSF	112.6 PSF	88.9 PSF	93.8 PSF	74.1 PSF	93.8 PSF	74.1 PSF	75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	311.90 LB-FT	328.5 LB	958.2 LB	796.1 LB
24 "			102.7 PSF	81.1 PSF	102.7 PSF	81.1 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	73.4 PSF	57.9 PSF	73.4 PSF	57.9 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	311.90 LB-FT	256.9 LB	832.5 LB	760.7 LB
30 "			84.6 PSF	66.8 PSF	84.6 PSF	66.8 PSF	72.5 PSF	57.3 PSF	72.5 PSF	57.3 PSF	60.4 PSF	47.7 PSF	60.4 PSF	47.7 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	311.90 LB-FT	211.7 LB	754.1 LB	739.5 LB
36 "			72.1 PSF	56.9 PSF	72.1 PSF	56.9 PSF	61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	51.5 PSF	40.6 PSF	51.5 PSF	40.6 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	311.90 LB-FT	180.2 LB	700.4 LB	725.5 LB
18 "	42 "	6720 in²	98.5 PSF	77.8 PSF	97.3 PSF	76.8 PSF	84.4 PSF	66.6 PSF	83.4 PSF	65.9 PSF	70.3 PSF	55.5 PSF	69.6 PSF	54.9 PSF	56.3 PSF	44.4 PSF	55.7 PSF	44.0 PSF	311.90 LB-FT	328.5 LB	1013.0 LB	850.9 LB
24 "			77.0 PSF	60.8 PSF	77.0 PSF	60.8 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	55.0 PSF	43.4 PSF	55.0 PSF	43.4 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	311.90 LB-FT	256.9 LB	875.3 LB	803.5 LB
30 "			63.5 PSF	50.1 PSF	63.5 PSF	50.1 PSF	54.4 PSF	42.9 PSF	54.4 PSF	42.9 PSF	45.3 PSF	35.8 PSF	45.3 PSF	35.8 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	311.90 LB-FT	211.7 LB	789.4 LB	774.8 LB
36 "			54.0 PSF	42.7 PSF	54.0 PSF	42.7 PSF	46.3 PSF	36.6 PSF	46.3 PSF	36.6 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	311.90 LB-FT	180.2 LB	730.4 LB	755.5 LB
18 "	48 "	9216 in²	71.8 PSF	56.7 PSF	69.8 PSF	55.1 PSF	61.5 PSF	48.6 PSF	59.8 PSF	47.2 PSF	51.3 PSF	40.5 PSF	49.9 PSF	39.4 PSF	41.0 PSF	32.4 PSF	40.0 PSF	31.5 PSF	311.90 LB-FT	328.5 LB	1067.7 LB	905.6 LB
24 "			56.2 PSF	44.3 PSF	56.2 PSF	44.3 PSF	48.1 PSF	38.0 PSF	48.1 PSF	38.0 PSF	40.1 PSF	31.7 PSF	40.1 PSF	31.7 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	311.90 LB-FT	256.9 LB	918.2 LB	846.4 LB
30 "			46.3 PSF	36.5 PSF	46.3 PSF	36.5 PSF	39.6 PSF	31.3 PSF	39.6 PSF	31.3 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	311.90 LB-FT	211.7 LB	824.7 LB	810.1 LB
36 "			39.4 PSF	31.1 PSF	39.4 PSF	31.1 PSF	33.8 PSF	26.6 PSF	33.8 PSF	26.6 PSF	28.1 PSF	22.2 PSF	28.1 PSF	22.2 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	311.90 LB-FT	180.2 LB	760.5 LB	785.6 LB

"XHD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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24" STAND DEPTH: MAX FACE AREA (1656in² - 6912in²), FRAME QUANTITY (3-6 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO															MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)	
			MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES							
			ANCHOR TYPE: 1 OR 4	MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4	MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4	MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3	MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4	MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3					MAX ALLOWABLE UPLIFT
18 "	24 "	1656 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.6 PSF	143.4 PSF	167.8 PSF	132.5 PSF	311.90 LB-FT	348.1 LB	1209.7 LB	1032.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	188.1 PSF	148.5 PSF	188.1 PSF	148.5 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	311.90 LB-FT	270.4 LB	1075.5 LB	990.8 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	192.6 PSF	152.0 PSF	192.6 PSF	152.0 PSF	154.0 PSF	121.6 PSF	154.0 PSF	121.6 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	311.90 LB-FT	221.4 LB	991.9 LB	965.7 LB
36 "			195.8 PSF	154.6 PSF	195.8 PSF	154.6 PSF	163.2 PSF	128.8 PSF	163.2 PSF	128.8 PSF	130.5 PSF	103.0 PSF	130.5 PSF	103.0 PSF	97.9 PSF	77.3 PSF	97.9 PSF	77.3 PSF	311.90 LB-FT	187.7 LB	934.7 LB	948.8 LB
18 "	30 "	2790 in²	200.0 PSF	157.8 PSF	193.9 PSF	153.1 PSF	179.6 PSF	141.8 PSF	161.7 PSF	127.6 PSF	143.7 PSF	113.4 PSF	129.5 PSF	102.2 PSF	107.8 PSF	85.1 PSF	97.3 PSF	76.8 PSF	311.90 LB-FT	348.1 LB	1305.8 LB	1119.5 LB
24 "			167.4 PSF	132.2 PSF	163.8 PSF	129.3 PSF	139.5 PSF	110.1 PSF	136.6 PSF	107.8 PSF	111.6 PSF	88.1 PSF	109.4 PSF	86.4 PSF	83.7 PSF	66.1 PSF	82.2 PSF	64.9 PSF	311.90 LB-FT	270.4 LB	1148.7 LB	1058.4 LB
30 "			137.1 PSF	108.3 PSF	137.1 PSF	108.3 PSF	114.3 PSF	90.2 PSF	114.3 PSF	90.2 PSF	91.4 PSF	72.2 PSF	91.4 PSF	72.2 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	311.90 LB-FT	221.4 LB	1049.6 LB	1021.0 LB
36 "			116.2 PSF	91.7 PSF	116.2 PSF	91.7 PSF	96.8 PSF	76.4 PSF	96.8 PSF	76.4 PSF	77.5 PSF	61.1 PSF	77.5 PSF	61.1 PSF	58.1 PSF	45.8 PSF	58.1 PSF	45.8 PSF	311.90 LB-FT	187.7 LB	981.6 LB	995.8 LB
18 "	36 "	3780 in²	159.1 PSF	125.6 PSF	139.8 PSF	110.4 PSF	132.6 PSF	104.7 PSF	116.6 PSF	92.0 PSF	106.1 PSF	83.7 PSF	93.4 PSF	73.7 PSF	79.5 PSF	62.8 PSF	70.1 PSF	55.4 PSF	311.90 LB-FT	348.1 LB	1395.1 LB	1206.5 LB
24 "			123.6 PSF	97.6 PSF	118.6 PSF	93.6 PSF	103.0 PSF	81.3 PSF	98.9 PSF	78.0 PSF	82.4 PSF	65.0 PSF	79.2 PSF	62.5 PSF	61.8 PSF	48.8 PSF	59.5 PSF	46.9 PSF	311.90 LB-FT	270.4 LB	1216.4 LB	1126.0 LB
30 "			101.2 PSF	79.9 PSF	101.2 PSF	79.9 PSF	84.3 PSF	66.6 PSF	84.3 PSF	66.6 PSF	67.5 PSF	53.2 PSF	67.5 PSF	53.2 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	311.90 LB-FT	221.4 LB	1104.9 LB	1076.4 LB
36 "			85.8 PSF	67.7 PSF	85.8 PSF	67.7 PSF	71.5 PSF	56.4 PSF	71.5 PSF	56.4 PSF	57.2 PSF	45.1 PSF	57.2 PSF	45.1 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	311.90 LB-FT	187.7 LB	1028.6 LB	1042.7 LB
18 "	42 "	5040 in²	119.3 PSF	94.2 PSF	102.5 PSF	80.9 PSF	99.4 PSF	78.5 PSF	85.5 PSF	67.5 PSF	79.5 PSF	62.8 PSF	68.4 PSF	54.0 PSF	59.6 PSF	47.1 PSF	51.4 PSF	40.6 PSF	311.90 LB-FT	348.1 LB	1482.1 LB	1293.6 LB
24 "			92.7 PSF	73.2 PSF	87.2 PSF	68.8 PSF	77.2 PSF	61.0 PSF	72.7 PSF	57.4 PSF	61.8 PSF	48.8 PSF	58.2 PSF	46.0 PSF	46.3 PSF	36.6 PSF	43.7 PSF	34.5 PSF	311.90 LB-FT	270.4 LB	1284.0 LB	1193.6 LB
30 "			75.9 PSF	59.9 PSF	75.9 PSF	59.9 PSF	63.2 PSF	49.9 PSF	63.2 PSF	49.9 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	311.90 LB-FT	221.4 LB	1160.3 LB	1131.8 LB
36 "			64.3 PSF	50.8 PSF	64.3 PSF	50.8 PSF	53.6 PSF	42.3 PSF	53.6 PSF	42.3 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	32.1 PSF	25.4 PSF	32.1 PSF	25.4 PSF	311.90 LB-FT	187.7 LB	1075.5 LB	1089.6 LB
18 "	48 "	6912 in²	87.0 PSF	68.7 PSF	73.1 PSF	57.7 PSF	72.5 PSF	60.9 PSF	48.1 PSF	58.0 PSF	45.8 PSF	48.8 PSF	38.5 PSF	43.5 PSF	34.3 PSF	36.6 PSF	28.9 PSF	311.90 LB-FT	348.1 LB	1569.1 LB	1380.6 LB	
24 "			67.6 PSF	53.3 PSF	62.4 PSF	49.2 PSF	56.3 PSF	44.4 PSF	52.0 PSF	41.1 PSF	45.0 PSF	35.5 PSF	41.6 PSF	32.9 PSF	33.8 PSF	26.6 PSF	31.3 PSF	24.7 PSF	311.90 LB-FT	270.4 LB	1351.6 LB	1261.2 LB
30 "			55.3 PSF	43.7 PSF	54.5 PSF	43.0 PSF	46.1 PSF	36.4 PSF	45.4 PSF	35.8 PSF	36.9 PSF	29.1 PSF	36.4 PSF	28.7 PSF	27.6 PSF	21.8 PSF	27.3 PSF	21.5 PSF	311.90 LB-FT	221.4 LB	1215.7 LB	1187.1 LB
36 "			46.9 PSF	37.0 PSF	46.9 PSF	37.0 PSF	39.1 PSF	30.8 PSF	39.1 PSF	30.8 PSF	31.2 PSF	24.7 PSF	31.2 PSF	24.7 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	311.90 LB-FT	187.7 LB	1122.4 LB	1136.6 LB

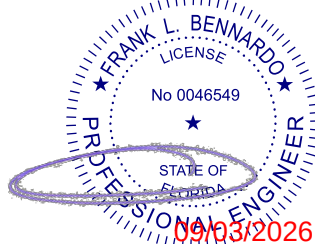
36" STAND DEPTH: MAX FACE AREA (1656in ² - 6912in ²), FRAME QUANTITY (3-6 FRAMES)																	LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY					
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO														MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)		
			MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4						ANCHORS TYPE: 2 OR 3	
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	1656 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	311.90 LB-FT	328.5 LB	839.1 LB	686.6 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	178.7 PSF	141.1 PSF	178.7 PSF	141.1 PSF	134.0 PSF	105.8 PSF	134.0 PSF	105.8 PSF	311.90 LB-FT	256.9 LB	742.8 LB	675.0 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	184.1 PSF	145.3 PSF	184.1 PSF	145.3 PSF	147.2 PSF	116.2 PSF	147.2 PSF	116.2 PSF	110.4 PSF	87.2 PSF	110.4 PSF	87.2 PSF	311.90 LB-FT	211.7 LB	682.9 LB	669.0 LB
36 "			188.1 PSF	148.5 PSF	188.1 PSF	148.5 PSF	156.7 PSF	123.7 PSF	156.7 PSF	123.7 PSF	125.4 PSF	99.0 PSF	125.4 PSF	99.0 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	311.90 LB-FT	180.2 LB	641.9 LB	665.4 LB
18 "	30 "	2790 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	169.5 PSF	133.8 PSF	169.5 PSF	133.8 PSF	135.6 PSF	107.0 PSF	135.6 PSF	107.0 PSF	101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	311.90 LB-FT	328.5 LB	902.8 LB	741.4 LB
24 "			159.1 PSF	125.6 PSF	159.1 PSF	125.6 PSF	132.6 PSF	104.7 PSF	132.6 PSF	104.7 PSF	106.1 PSF	83.7 PSF	106.1 PSF	83.7 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	256.9 LB	791.3 LB	717.9 LB
30 "			131.1 PSF	103.5 PSF	131.1 PSF	103.5 PSF	109.2 PSF	86.2 PSF	109.2 PSF	86.2 PSF	87.4 PSF	69.0 PSF	87.4 PSF	69.0 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	311.90 LB-FT	211.7 LB	720.5 LB	704.3 LB
36 "			111.6 PSF	88.1 PSF	111.6 PSF	88.1 PSF	93.0 PSF	73.4 PSF	93.0 PSF	73.4 PSF	74.4 PSF	58.7 PSF	74.4 PSF	58.7 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	311.90 LB-FT	180.2 LB	671.9 LB	695.4 LB
18 "	36 "	3780 in ²	150.1 PSF	118.5 PSF	150.1 PSF	118.5 PSF	125.1 PSF	98.8 PSF	125.1 PSF	98.8 PSF	100.1 PSF	79.0 PSF	100.1 PSF	79.0 PSF	75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	311.90 LB-FT	328.5 LB	959.8 LB	796.1 LB
24 "			117.4 PSF	92.7 PSF	117.4 PSF	92.7 PSF	97.9 PSF	77.2 PSF	97.9 PSF	77.2 PSF	78.3 PSF	61.8 PSF	78.3 PSF	61.8 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	311.90 LB-FT	256.9 LB	834.1 LB	760.7 LB
30 "			96.7 PSF	76.4 PSF	96.7 PSF	76.4 PSF	80.6 PSF	63.6 PSF	80.6 PSF	63.6 PSF	64.5 PSF	50.9 PSF	64.5 PSF	50.9 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	311.90 LB-FT	211.7 LB	755.7 LB	739.5 LB
36 "			82.4 PSF	65.0 PSF	82.4 PSF	65.0 PSF	68.6 PSF	54.2 PSF	68.6 PSF	54.2 PSF	54.9 PSF	43.3 PSF	54.9 PSF	43.3 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	311.90 LB-FT	180.2 LB	702.0 LB	725.5 LB
18 "	42 "	5040 in ²	112.6 PSF	88.9 PSF	111.1 PSF	87.7 PSF	93.8 PSF	74.1 PSF	92.7 PSF	73.1 PSF	75.0 PSF	59.2 PSF	74.2 PSF	58.6 PSF	56.3 PSF	44.4 PSF	55.7 PSF	44.0 PSF	311.90 LB-FT	328.5 LB	1014.6 LB	850.9 LB
24 "			88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	73.4 PSF	57.9 PSF	73.4 PSF	57.9 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	311.90 LB-FT	256.9 LB	876.9 LB	803.5 LB
30 "			72.5 PSF	57.3 PSF	72.5 PSF	57.3 PSF	60.4 PSF	47.7 PSF	60.4 PSF	47.7 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	311.90 LB-FT	211.7 LB	791.0 LB	774.8 LB
36 "			61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	51.5 PSF	40.6 PSF	51.5 PSF	40.6 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	311.90 LB-FT	180.2 LB	732.0 LB	755.5 LB
18 "	48 "	6912 in ²	82.1 PSF	64.8 PSF	79.7 PSF	62.9 PSF	68.4 PSF	54.0 PSF	66.5 PSF	52.5 PSF	54.7 PSF	43.2 PSF	53.2 PSF	42.0 PSF	41.0 PSF	32.4 PSF	40.0 PSF	31.5 PSF	311.90 LB-FT	328.5 LB	1069.3 LB	905.6 LB
24 "			64.2 PSF	50.7 PSF	64.2 PSF	50.7 PSF	53.5 PSF	42.2 PSF	53.5 PSF	42.2 PSF	42.8 PSF	33.8 PSF	42.8 PSF	33.8 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	311.90 LB-FT	256.9 LB	919.8 LB	846.4 LB
30 "			52.9 PSF	41.7 PSF	52.9 PSF	41.7 PSF	44.1 PSF	34.8 PSF	44.1 PSF	34.8 PSF	35.2 PSF	27.8 PSF	35.2 PSF	27.8 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	311.90 LB-FT	211.7 LB	826.3 LB	810.1 LB
36 "			45.0 PSF	35.5 PSF	45.0 PSF	35.5 PSF	37.5 PSF	29.6 PSF	37.5 PSF	29.6 PSF	30.0 PSF	23.7 PSF	30.0 PSF	23.7 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	311.90 LB-FT	180.2 LB	762.1 LB	785.6 LB

"XHD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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24" STAND DEPTH: MAX FACE AREA (1104in² - 4608in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1104 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.6 PSF	143.4 PSF	167.8 PSF	132.5 PSF	311.90 LB-FT	348.1 LB	1209.7 LB	1032.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	311.90 LB-FT	270.4 LB	1069.9 LB	990.8 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	173.3 PSF	136.8 PSF	173.3 PSF	136.8 PSF	115.5 PSF	91.2 PSF	115.5 PSF	91.2 PSF	311.90 LB-FT	221.4 LB	990.4 LB	965.7 LB
36 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	195.8 PSF	154.6 PSF	195.8 PSF	154.6 PSF	146.9 PSF	115.9 PSF	146.9 PSF	115.9 PSF	97.9 PSF	77.3 PSF	97.9 PSF	77.3 PSF	311.90 LB-FT	187.7 LB	934.7 LB	948.8 LB
18 "	30 "	1860 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	193.9 PSF	153.1 PSF	161.7 PSF	127.6 PSF	145.6 PSF	114.9 PSF	107.8 PSF	85.1 PSF	97.3 PSF	76.8 PSF	311.90 LB-FT	348.1 LB	1304.3 LB	1119.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	167.4 PSF	132.2 PSF	163.8 PSF	129.3 PSF	125.6 PSF	99.1 PSF	123.0 PSF	97.1 PSF	83.7 PSF	66.1 PSF	82.2 PSF	64.9 PSF	311.90 LB-FT	270.4 LB	1148.7 LB	1058.4 LB
30 "			171.4 PSF	135.3 PSF	171.4 PSF	135.3 PSF	137.1 PSF	108.3 PSF	137.1 PSF	108.3 PSF	102.8 PSF	81.2 PSF	102.8 PSF	81.2 PSF	68.5 PSF	54.1 PSF	68.5 PSF	54.1 PSF	311.90 LB-FT	221.4 LB	1051.8 LB	1021.0 LB
36 "			145.3 PSF	114.7 PSF	145.3 PSF	114.7 PSF	116.2 PSF	91.7 PSF	116.2 PSF	91.7 PSF	87.1 PSF	68.8 PSF	87.1 PSF	68.8 PSF	58.1 PSF	45.8 PSF	58.1 PSF	45.8 PSF	311.90 LB-FT	187.7 LB	983.9 LB	995.8 LB
18 "	36 "	2520 in²	198.9 PSF	157.0 PSF	174.7 PSF	137.9 PSF	159.1 PSF	125.6 PSF	139.8 PSF	110.4 PSF	119.3 PSF	94.2 PSF	105.0 PSF	82.9 PSF	79.5 PSF	62.8 PSF	70.1 PSF	55.4 PSF	311.90 LB-FT	348.1 LB	1397.3 LB	1206.5 LB
24 "			154.5 PSF	122.0 PSF	148.1 PSF	116.9 PSF	123.6 PSF	97.6 PSF	118.6 PSF	93.6 PSF	92.7 PSF	73.2 PSF	89.0 PSF	70.3 PSF	61.8 PSF	48.8 PSF	59.5 PSF	46.9 PSF	311.90 LB-FT	270.4 LB	1218.6 LB	1126.0 LB
30 "			126.5 PSF	99.9 PSF	126.5 PSF	99.9 PSF	101.2 PSF	79.9 PSF	101.2 PSF	79.9 PSF	75.9 PSF	59.9 PSF	75.9 PSF	59.9 PSF	50.6 PSF	39.9 PSF	50.6 PSF	39.9 PSF	311.90 LB-FT	221.4 LB	1107.2 LB	1076.4 LB
36 "			107.2 PSF	84.6 PSF	107.2 PSF	84.6 PSF	85.8 PSF	67.7 PSF	85.8 PSF	67.7 PSF	64.3 PSF	50.8 PSF	64.3 PSF	50.8 PSF	42.9 PSF	33.8 PSF	42.9 PSF	33.8 PSF	311.90 LB-FT	187.7 LB	1030.8 LB	1042.7 LB
18 "	42 "	3360 in²	149.2 PSF	117.7 PSF	128.1 PSF	101.1 PSF	119.3 PSF	94.2 PSF	102.5 PSF	80.9 PSF	89.5 PSF	70.6 PSF	77.0 PSF	60.7 PSF	59.6 PSF	47.1 PSF	51.4 PSF	40.6 PSF	311.90 LB-FT	348.1 LB	1484.3 LB	1293.6 LB
24 "			115.9 PSF	91.5 PSF	109.0 PSF	86.0 PSF	92.7 PSF	73.2 PSF	87.2 PSF	68.8 PSF	69.5 PSF	54.9 PSF	65.5 PSF	51.7 PSF	46.3 PSF	36.6 PSF	43.7 PSF	34.5 PSF	311.90 LB-FT	270.4 LB	1286.2 LB	1193.6 LB
30 "			94.9 PSF	74.9 PSF	94.9 PSF	74.9 PSF	75.9 PSF	59.9 PSF	75.9 PSF	59.9 PSF	56.9 PSF	44.9 PSF	56.9 PSF	44.9 PSF	37.9 PSF	29.9 PSF	37.9 PSF	29.9 PSF	311.90 LB-FT	221.4 LB	1162.6 LB	1131.8 LB
36 "			80.4 PSF	63.5 PSF	80.4 PSF	63.5 PSF	64.3 PSF	50.8 PSF	64.3 PSF	50.8 PSF	48.2 PSF	38.1 PSF	48.2 PSF	38.1 PSF	32.1 PSF	25.4 PSF	32.1 PSF	25.4 PSF	311.90 LB-FT	187.7 LB	1077.8 LB	1089.6 LB
18 "	48 "	4608 in²	108.7 PSF	85.8 PSF	91.3 PSF	72.1 PSF	87.0 PSF	68.7 PSF	73.1 PSF	57.7 PSF	65.2 PSF	51.5 PSF	54.9 PSF	43.3 PSF	43.5 PSF	34.3 PSF	36.6 PSF	28.9 PSF	311.90 LB-FT	348.1 LB	1571.4 LB	1380.6 LB
24 "			84.5 PSF	66.7 PSF	77.9 PSF	61.5 PSF	67.6 PSF	53.3 PSF	62.4 PSF	49.2 PSF	50.7 PSF	40.0 PSF	46.8 PSF	37.0 PSF	33.8 PSF	26.6 PSF	31.3 PSF	24.7 PSF	311.90 LB-FT	270.4 LB	1353.8 LB	1261.2 LB
30 "			69.2 PSF	54.6 PSF	68.1 PSF	53.7 PSF	55.3 PSF	43.7 PSF	54.5 PSF	43.0 PSF	41.5 PSF	32.7 PSF	40.9 PSF	32.3 PSF	27.6 PSF	21.8 PSF	27.3 PSF	21.5 PSF	311.90 LB-FT	221.4 LB	1217.9 LB	1187.1 LB
36 "			58.6 PSF	46.3 PSF	58.6 PSF	46.3 PSF	46.9 PSF	37.0 PSF	46.9 PSF	37.0 PSF	35.1 PSF	27.7 PSF	35.1 PSF	27.7 PSF	23.4 PSF	18.5 PSF	23.4 PSF	18.5 PSF	311.90 LB-FT	187.7 LB	1124.7 LB	1136.6 LB

36" STAND DEPTH: MAX FACE AREA (1104in² - 4608in²), FRAME QUANTITY (2-5 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1104 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	171.3 PSF	135.3 PSF	171.3 PSF	135.3 PSF	311.90 LB-FT	328.5 LB	839.1 LB	686.6 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	134.0 PSF	105.8 PSF	134.0 PSF	105.8 PSF	311.90 LB-FT	256.9 LB	740.4 LB	675.0 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	165.6 PSF	130.8 PSF	165.6 PSF	130.8 PSF	110.4 PSF	87.2 PSF	110.4 PSF	87.2 PSF	311.90 LB-FT	211.7 LB	681.4 LB	669.0 LB
36 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	188.1 PSF	148.5 PSF	188.1 PSF	148.5 PSF	141.0 PSF	111.3 PSF	141.0 PSF	111.3 PSF	94.0 PSF	74.2 PSF	94.0 PSF	74.2 PSF	311.90 LB-FT	180.2 LB	641.9 LB	665.4 LB
18 "	30 "	1860 in²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	152.5 PSF	120.4 PSF	152.5 PSF	120.4 PSF	101.7 PSF	80.3 PSF	101.7 PSF	80.3 PSF	311.90 LB-FT	328.5 LB	901.3 LB	741.4 LB
24 "			198.9 PSF	157.0 PSF	198.9 PSF	157.0 PSF	159.1 PSF	125.6 PSF	159.1 PSF	125.6 PSF	119.3 PSF	94.2 PSF	119.3 PSF	94.2 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	256.9 LB	793.5 LB	717.9 LB
30 "			163.9 PSF	129.4 PSF	163.9 PSF	129.4 PSF	131.1 PSF	103.5 PSF	131.1 PSF	103.5 PSF	98.3 PSF	77.6 PSF	98.3 PSF	77.6 PSF	65.5 PSF	51.7 PSF	65.5 PSF	51.7 PSF	311.90 LB-FT	211.7 LB	722.7 LB	704.3 LB
36 "			139.5 PSF	110.1 PSF	139.5 PSF	110.1 PSF	111.6 PSF	88.1 PSF	111.6 PSF	88.1 PSF	83.7 PSF	66.1 PSF	83.7 PSF	66.1 PSF	55.8 PSF	44.0 PSF	55.8 PSF	44.0 PSF	311.90 LB-FT	180.2 LB	674.2 LB	695.4 LB
18 "	36 "	2520 in²	187.7 PSF	148.2 PSF	187.7 PSF	148.2 PSF	150.1 PSF	118.5 PSF	150.1 PSF	118.5 PSF	112.6 PSF	88.9 PSF	112.6 PSF	88.9 PSF	75.0 PSF	59.2 PSF	75.0 PSF	59.2 PSF	311.90 LB-FT	328.5 LB	962.1 LB	796.1 LB
24 "			146.8 PSF	115.9 PSF	146.8 PSF	115.9 PSF	117.4 PSF	92.7 PSF	117.4 PSF	92.7 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	58.7 PSF	46.3 PSF	58.7 PSF	46.3 PSF	311.90 LB-FT	256.9 LB	836.3 LB	760.7 LB
30 "			120.9 PSF	95.5 PSF	120.9 PSF	95.5 PSF	96.7 PSF	76.4 PSF	96.7 PSF	76.4 PSF	72.5 PSF	57.3 PSF	72.5 PSF	57.3 PSF	48.3 PSF	38.2 PSF	48.3 PSF	38.2 PSF	311.90 LB-FT	211.7 LB	758.0 LB	739.5 LB
36 "			103.0 PSF	81.3 PSF	103.0 PSF	81.3 PSF	82.4 PSF	65.0 PSF	82.4 PSF	65.0 PSF	61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	41.2 PSF	32.5 PSF	41.2 PSF	32.5 PSF	311.90 LB-FT	180.2 LB	704.2 LB	725.5 LB
18 "	42 "	3360 in²	140.7 PSF	111.1 PSF	138.8 PSF	109.6 PSF	112.6 PSF	88.9 PSF	111.1 PSF	87.7 PSF	84.4 PSF	66.6 PSF	83.4 PSF	65.9 PSF	56.3 PSF	44.4 PSF	55.7 PSF	44.0 PSF	311.90 LB-FT	328.5 LB	1016.8 LB	850.9 LB
24 "			110.1 PSF	86.9 PSF	110.1 PSF	86.9 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	66.0 PSF	52.1 PSF	66.0 PSF	52.1 PSF	44.0 PSF	34.7 PSF	44.0 PSF	34.7 PSF	311.90 LB-FT	256.9 LB	879.2 LB	803.5 LB
30 "			90.7 PSF	71.6 PSF	90.7 PSF	71.6 PSF	72.5 PSF	57.3 PSF	72.5 PSF	57.3 PSF	54.4 PSF	42.9 PSF	54.4 PSF	42.9 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	311.90 LB-FT	211.7 LB	793.3 LB	774.8 LB
36 "			77.2 PSF	61.0 PSF	77.2 PSF	61.0 PSF	61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	46.3 PSF	36.6 PSF	46.3 PSF	36.6 PSF	30.9 PSF	24.4 PSF	30.9 PSF	24.4 PSF	311.90 LB-FT	180.2 LB	734.3 LB	755.5 LB
18 "	48 "	4608 in²	102.6 PSF	81.0 PSF	99.6 PSF	78.6 PSF	82.1 PSF	64.8 PSF	79.7 PSF	62.9 PSF	61.5 PSF	48.6 PSF	59.8 PSF	47.2 PSF	41.0 PSF	32.4 PSF	40.0 PSF	31.5 PSF	311.90 LB-FT	328.5 LB	1071.6 LB	905.6 LB
24 "			80.3 PSF	63.4 PSF	80.3 PSF	63.4 PSF	64.2 PSF	50.7 PSF	64.2 PSF	50.7 PSF	48.1 PSF	38.0 PSF	48.1 PSF	38.0 PSF	32.1 PSF	25.3 PSF	32.1 PSF	25.3 PSF	311.90 LB-FT	256.9 LB	922.0 LB	846.4 LB
30 "			66.1 PSF	52.2 PSF	66.1 PSF	52.2 PSF	52.9 PSF	41.7 PSF	52.9 PSF	41.7 PSF	39.6 PSF	31.3 PSF	39.6 PSF	31.3 PSF	26.4 PSF	20.8 PSF	26.4 PSF	20.8 PSF	311.90 LB-FT	211.7 LB	828.6 LB	810.1 LB
36 "			56.3 PSF	44.4 PSF	56.3 PSF	44.4 PSF	45.0 PSF	35.5 PSF	45.0 PSF	35.5 PSF	33.8 PSF	26.6 PSF	33.8 PSF	26.6 PSF	22.5 PSF	17.7 PSF	22.5 PSF	17.7 PSF	311.90 LB-FT	180.2 LB	764.3 LB	785.6 LB

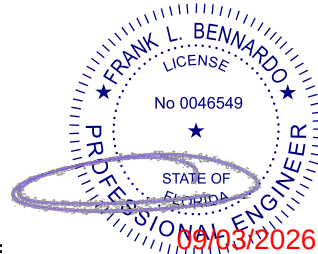
8/28/2026 12:06 PM MILTONRIVERA\\shared\\projects\\26-126-101040 product fbc update fl16921.1\\work\\2026 fbc\\drawings & cad\\26-101040 fl 16921.1-26-101040g - fl16921.1 - cad.dwg

"XHD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

24" STAND DEPTH: MAX FACE AREA (552in² - 2304in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHOR TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	552 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	171.70 LB-FT	191.6 LB	667.1 LB	556.2 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	221.00 LB-FT	191.6 LB	762.9 LB	652.1 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	269.90 LB-FT	191.6 LB	858.8 LB	747.9 LB
36 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	195.8 PSF	154.6 PSF	195.8 PSF	154.6 PSF	311.90 LB-FT	187.7 LB	934.7 LB	828.8 LB
18 "	30 "	930 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	193.9 PSF	153.1 PSF	289.30 LB-FT	322.9 LB	1212.4 LB	935.7 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	167.4 PSF	132.2 PSF	163.8 PSF	129.3 PSF	311.90 LB-FT	270.4 LB	1148.7 LB	938.4 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	137.1 PSF	108.3 PSF	137.1 PSF	108.3 PSF	311.90 LB-FT	221.4 LB	1049.6 LB	901.0 LB
36 "			174.3 PSF	137.6 PSF	174.3 PSF	137.6 PSF	116.2 PSF	91.7 PSF	116.2 PSF	91.7 PSF	311.90 LB-FT	187.7 LB	985.4 LB	875.8 LB
18 "	36 "	1260 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	159.1 PSF	125.6 PSF	139.8 PSF	110.4 PSF	311.90 LB-FT	348.1 LB	1395.1 LB	1086.5 LB
24 "			185.4 PSF	146.4 PSF	177.7 PSF	140.3 PSF	123.6 PSF	97.6 PSF	118.6 PSF	93.6 PSF	311.90 LB-FT	270.4 LB	1220.1 LB	1006.0 LB
30 "			151.8 PSF	119.9 PSF	151.8 PSF	119.9 PSF	101.2 PSF	79.9 PSF	101.2 PSF	79.9 PSF	311.90 LB-FT	221.4 LB	1108.7 LB	956.4 LB
36 "			128.7 PSF	101.6 PSF	128.7 PSF	101.6 PSF	85.8 PSF	67.7 PSF	85.8 PSF	67.7 PSF	311.90 LB-FT	187.7 LB	1032.3 LB	922.7 LB
18 "	42 "	1680 in ²	179.0 PSF	141.3 PSF	153.6 PSF	121.3 PSF	119.3 PSF	94.2 PSF	102.5 PSF	80.9 PSF	311.90 LB-FT	348.1 LB	1485.8 LB	1173.6 LB
24 "			139.0 PSF	109.8 PSF	130.7 PSF	103.2 PSF	92.7 PSF	73.2 PSF	87.2 PSF	68.8 PSF	311.90 LB-FT	270.4 LB	1287.7 LB	1073.6 LB
30 "			113.9 PSF	89.9 PSF	113.8 PSF	89.9 PSF	75.9 PSF	59.9 PSF	75.9 PSF	59.9 PSF	311.90 LB-FT	221.4 LB	1164.1 LB	1011.8 LB
36 "			96.5 PSF	76.2 PSF	96.5 PSF	76.2 PSF	64.3 PSF	50.8 PSF	64.3 PSF	50.8 PSF	311.90 LB-FT	187.7 LB	1079.3 LB	969.6 LB
18 "	48 "	2304 in ²	130.5 PSF	103.0 PSF	109.5 PSF	86.5 PSF	87.0 PSF	68.7 PSF	73.1 PSF	57.7 PSF	311.90 LB-FT	348.1 LB	1572.9 LB	1260.6 LB
24 "			101.4 PSF	80.0 PSF	93.5 PSF	73.8 PSF	67.6 PSF	53.3 PSF	62.4 PSF	49.2 PSF	311.90 LB-FT	270.4 LB	1355.3 LB	1141.2 LB
30 "			83.0 PSF	65.5 PSF	81.6 PSF	64.4 PSF	55.3 PSF	43.7 PSF	54.5 PSF	43.0 PSF	311.90 LB-FT	221.4 LB	1219.4 LB	1067.1 LB
36 "			70.3 PSF	55.5 PSF	70.3 PSF	55.5 PSF	46.9 PSF	37.0 PSF	46.9 PSF	37.0 PSF	311.90 LB-FT	187.7 LB	1126.2 LB	1016.6 LB

36" STAND DEPTH: MAX FACE AREA (552in² - 2304in²), FRAME QUANTITY (2-3 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT				
18 "	24 "	552 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.90 LB-FT	191.6 LB	491.4 LB	380.5 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	232.60 LB-FT	191.6 LB	555.3 LB	444.4 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	282.30 LB-FT	191.6 LB	619.2 LB	508.3 LB
36 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	188.1 PSF	148.5 PSF	188.1 PSF	148.5 PSF	311.90 LB-FT	180.2 LB	641.9 LB	545.4 LB
18 "	30 "	930 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	306.60 LB-FT	322.9 LB	889.5 LB	612.8 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	159.1 PSF	125.6 PSF	159.1 PSF	125.6 PSF	311.90 LB-FT	256.9 LB	791.3 LB	597.9 LB
30 "			196.6 PSF	155.2 PSF	196.6 PSF	155.2 PSF	131.1 PSF	103.5 PSF	131.1 PSF	103.5 PSF	311.90 LB-FT	211.7 LB	724.2 LB	584.3 LB
36 "			167.4 PSF	132.2 PSF	167.4 PSF	132.2 PSF	111.6 PSF	88.1 PSF	111.6 PSF	88.1 PSF	311.90 LB-FT	180.2 LB	675.7 LB	575.4 LB
18 "	36 "	1260 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	150.1 PSF	118.5 PSF	150.1 PSF	118.5 PSF	311.90 LB-FT	328.5 LB	959.8 LB	676.1 LB
24 "			176.2 PSF	139.1 PSF	176.2 PSF	139.1 PSF	117.4 PSF	92.7 PSF	117.4 PSF	92.7 PSF	311.90 LB-FT	256.9 LB	837.8 LB	640.7 LB
30 "			145.1 PSF	114.6 PSF	145.1 PSF	114.6 PSF	96.7 PSF	76.4 PSF	96.7 PSF	76.4 PSF	311.90 LB-FT	211.7 LB	759.5 LB	619.5 LB
36 "			123.6 PSF	97.6 PSF	123.6 PSF	97.6 PSF	82.4 PSF	65.0 PSF	82.4 PSF	65.0 PSF	311.90 LB-FT	180.2 LB	705.7 LB	605.5 LB
18 "	42 "	1680 in ²	168.9 PSF	133.3 PSF	166.5 PSF	131.5 PSF	112.6 PSF	88.9 PSF	111.1 PSF	87.7 PSF	311.90 LB-FT	328.5 LB	1018.3 LB	730.9 LB
24 "			132.1 PSF	104.3 PSF	132.1 PSF	104.3 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	311.90 LB-FT	256.9 LB	880.7 LB	683.5 LB
30 "			108.8 PSF	85.9 PSF	108.8 PSF	85.9 PSF	72.5 PSF	57.3 PSF	72.5 PSF	57.3 PSF	311.90 LB-FT	211.7 LB	794.8 LB	654.8 LB
36 "			92.7 PSF	73.2 PSF	92.7 PSF	73.2 PSF	61.8 PSF	48.8 PSF	61.8 PSF	48.8 PSF	311.90 LB-FT	180.2 LB	735.8 LB	635.5 LB
18 "	48 "	2304 in ²	123.1 PSF	97.2 PSF	119.5 PSF	94.3 PSF	82.1 PSF	64.8 PSF	79.7 PSF	62.9 PSF	311.90 LB-FT	328.5 LB	1073.1 LB	785.6 LB
24 "			96.3 PSF	76.0 PSF	96.3 PSF	76.0 PSF	64.2 PSF	50.7 PSF	64.2 PSF	50.7 PSF	311.90 LB-FT	256.9 LB	923.5 LB	726.4 LB
30 "			79.3 PSF	62.6 PSF	79.3 PSF	62.6 PSF	52.9 PSF	41.7 PSF	52.9 PSF	41.7 PSF	311.90 LB-FT	211.7 LB	830.1 LB	690.1 LB
36 "			67.6 PSF	53.3 PSF	67.6 PSF	53.3 PSF	45.0 PSF	35.5 PSF	45.0 PSF	35.5 PSF	311.90 LB-FT	180.2 LB	765.8 LB	665.6 LB

48" STAND DEPTH: MAX FACE AREA (552in² - 2304in²), FRAME QUANTITY (2-3 FRAMES)

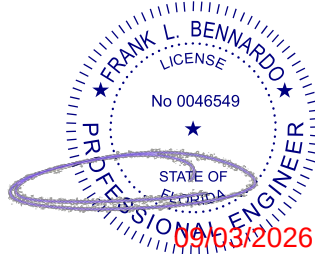
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO								MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD		ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT		ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD		ANCHOR TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT					
18 "	24 "	552 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	190.50 LB-FT	191.6 LB	403.6 LB	292.7 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	242.60 LB-FT	191.6 LB	451.5 LB	340.6 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	293.40 LB-FT	191.6 LB	499.4 LB	388.5 LB
36 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	181.6 PSF	143.4 PSF	181.6 PSF	143.4 PSF	311.90 LB-FT	174.0 LB	496.0 LB	407.4 LB
18 "	30 "	930 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	194.2 PSF	153.3 PSF	194.2 PSF	153.3 PSF	311.90 LB-FT	313.6 LB	706.9 LB	441.9 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	152.5 PSF	120.4 PSF	152.5 PSF	120.4 PSF	311.90 LB-FT	246.3 LB	614.4 LB	434.4 LB
30 "			189.2 PSF	149.4 PSF	189.2 PSF	149.4 PSF	126.1 PSF	99.6 PSF	126.1 PSF	99.6 PSF	311.90 LB-FT	203.7 LB	560.8 LB	430.9 LB
36 "			161.7 PSF	127.6 PSF	161.7 PSF	127.6 PSF	107.8 PSF	85.1 PSF	107.8 PSF	85.1 PSF	311.90 LB-FT	174.0 LB	521.6 LB	429.2 LB
18 "	36 "	1260 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	143.4 PSF	113.2 PSF	143.4 PSF	113.2 PSF	311.90 LB-FT	313.6 LB	746.1 LB	481.1 LB
24 "			168.9 PSF	133.3 PSF	168.9 PSF	133.3 PSF	112.6 PSF	88.9 PSF	112.6 PSF	88.9 PSF	311.90 LB-FT	246.3 LB	648.9 LB	465.2 LB
30 "			139.7 PSF	110.2 PSF	139.7 PSF	110.2 PSF	93.1 PSF	73.5 PSF	93.1 PSF	73.5 PSF	311.90 LB-FT	203.7 LB	586.3 LB	456.4 LB
36 "			119.3 PSF	94.2 PSF	119.3 PSF	94.2 PSF	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	311.90 LB-FT	174.0 LB	543.3 LB	450.9 LB
18 "	42 "	1680 in ²	161.3 PSF	127.3 PSF	161.3 PSF	127.3 PSF	107.5 PSF	84.9 PSF	107.5 PSF	84.9 PSF	311.90 LB-FT	313.6 LB	789.1 LB	520.3 LB
24 "			126.7 PSF	100.0 PSF	126.7 PSF	100.0 PSF	84.4 PSF	66.6 PSF	84.4 PSF	66.6 PSF	311.90 LB-FT	246.3 LB	679.7 LB	496.0 LB
30 "			104.7 PSF	82.7 PSF	104.7 PSF	82.7 PSF	69.8 PSF	55.1 PSF	69.8 PSF	55.1 PSF	311.90 LB-FT	203.7 LB	611.7 LB	481.9 LB
36 "			89.5 PSF	70.6 PSF	89.5 PSF	70.6 PSF	59.6 PSF	47.1 PSF	59.6 PSF	47.1 PSF	311.90 LB-FT	174.0 LB	565.1 LB	472.7 LB
18 "	48 "	2304 in ²	117.6 PSF	92.8 PSF	117.6 PSF	92.8 PSF	78.4 PSF	61.9 PSF	78.4 PSF	61.9 PSF	311.90 LB-FT	313.6 LB	828.3 LB	559.5 LB
24 "			92.3 PSF	72.9 PSF	92.3 PSF	72.9 PSF	61.5 PSF	48.6 PSF	61.5 PSF	48.6 PSF	311.90 LB-FT	246.3 LB	710.5 LB	526.8 LB
30 "			76.4 PSF	60.3 PSF	76.4 PSF	60.3 PSF	50.9 PSF	40.2 PSF	50.9 PSF	40.2 PSF	311.90 LB-FT	203.7 LB	637.2 LB	507.3 LB
36 "			65.2 PSF	51.5 PSF	65.2 PSF	51.5 PSF	43.5 PSF	34.3 PSF	43.5 PSF	34.3 PSF	311.90 LB-FT	174.0 LB	586.8 LB	494.4 LB

"FIXED HD" STAND DESIGN SCHEDULE

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL

FL 16921.1



POSTAL ADDRESS:
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BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

PRECISION ALUMINUM PRODUCTS, INC.

1339 SW 1ST WAY
DEERFIELD BEACH, FL 33441
(954) 480-6919

ALUMINUM A/C STANDS
FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL# 16921.1)

48" STAND DEPTH: MAX FACE AREA (6624in² - 27648in²), FRAME QUANTITY (12-15 FRAMES)

STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
			MAX FACE AREA : 15 FRAMES				MAX FACE AREA : 14 FRAMES				MAX FACE AREA : 13 FRAMES				MAX FACE AREA : 12 FRAMES				MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT	ANCHOR TYPE: 1 OR 4 MAX ALLOWABLE LATERAL LOAD	ANCHORS TYPE: 2 OR 3 MAX ALLOWABLE UPLIFT				
18 "	24 "	6624 in ²	172.9 PSF	136.5 PSF	172.9 PSF	136.5 PSF	161.4 PSF	127.4 PSF	161.4 PSF	127.4 PSF	149.9 PSF	118.3 PSF	149.9 PSF	118.3 PSF	138.3 PSF	109.2 PSF	138.3 PSF	109.2 PSF	247.00 LB-FT	265.2 LB	556.0 LB	374.0 LB
24 "			135.0 PSF	106.6 PSF	135.0 PSF	106.6 PSF	126.0 PSF	99.5 PSF	126.0 PSF	99.5 PSF	117.0 PSF	92.3 PSF	117.0 PSF	92.3 PSF	108.0 PSF	85.2 PSF	108.0 PSF	85.2 PSF	247.00 LB-FT	207.0 LB	481.9 LB	373.3 LB
30 "			111.0 PSF	87.6 PSF	111.0 PSF	87.6 PSF	103.6 PSF	81.8 PSF	103.6 PSF	81.8 PSF	96.2 PSF	75.9 PSF	96.2 PSF	75.9 PSF	88.8 PSF	70.1 PSF	88.8 PSF	70.1 PSF	247.00 LB-FT	170.2 LB	435.7 LB	373.6 LB
36 "			94.4 PSF	74.5 PSF	94.4 PSF	74.5 PSF	88.1 PSF	69.5 PSF	88.1 PSF	69.5 PSF	81.8 PSF	64.6 PSF	81.8 PSF	64.6 PSF	75.5 PSF	59.6 PSF	75.5 PSF	59.6 PSF	247.00 LB-FT	144.7 LB	403.9 LB	374.0 LB
18 "	30 "	11160 in ²	102.6 PSF	81.0 PSF	102.6 PSF	81.0 PSF	95.8 PSF	75.6 PSF	95.8 PSF	75.6 PSF	88.9 PSF	70.2 PSF	88.9 PSF	70.2 PSF	82.1 PSF	64.8 PSF	82.1 PSF	64.8 PSF	247.00 LB-FT	265.2 LB	589.2 LB	407.2 LB
24 "			80.1 PSF	63.2 PSF	80.1 PSF	63.2 PSF	74.8 PSF	59.0 PSF	74.8 PSF	59.0 PSF	69.4 PSF	54.8 PSF	69.4 PSF	54.8 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	207.0 LB	507.8 LB	399.2 LB
30 "			65.9 PSF	52.0 PSF	65.9 PSF	52.0 PSF	61.5 PSF	48.5 PSF	61.5 PSF	48.5 PSF	57.1 PSF	45.0 PSF	57.1 PSF	45.0 PSF	52.7 PSF	41.6 PSF	52.7 PSF	41.6 PSF	247.00 LB-FT	170.2 LB	456.9 LB	394.9 LB
36 "			56.0 PSF	44.2 PSF	56.0 PSF	44.2 PSF	52.3 PSF	41.2 PSF	52.3 PSF	41.2 PSF	48.5 PSF	38.3 PSF	48.5 PSF	38.3 PSF	44.8 PSF	35.3 PSF	44.8 PSF	35.3 PSF	247.00 LB-FT	144.7 LB	422.0 LB	392.1 LB
18 "	36 "	15120 in ²	75.7 PSF	59.8 PSF	75.7 PSF	59.8 PSF	70.7 PSF	55.8 PSF	70.7 PSF	55.8 PSF	65.6 PSF	51.8 PSF	65.6 PSF	51.8 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	247.00 LB-FT	265.2 LB	622.3 LB	440.3 LB
24 "			59.1 PSF	46.7 PSF	59.1 PSF	46.7 PSF	55.2 PSF	43.5 PSF	55.2 PSF	43.5 PSF	51.2 PSF	40.4 PSF	51.2 PSF	40.4 PSF	47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	247.00 LB-FT	207.0 LB	533.7 LB	425.1 LB
30 "			48.6 PSF	38.4 PSF	48.6 PSF	38.4 PSF	45.4 PSF	35.8 PSF	45.4 PSF	35.8 PSF	42.1 PSF	33.2 PSF	42.1 PSF	33.2 PSF	38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	247.00 LB-FT	170.2 LB	478.2 LB	416.1 LB
36 "			41.3 PSF	32.6 PSF	41.3 PSF	32.6 PSF	38.6 PSF	30.4 PSF	38.6 PSF	30.4 PSF	35.8 PSF	28.3 PSF	35.8 PSF	28.3 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	247.00 LB-FT	144.7 LB	440.1 LB	410.2 LB
18 "	42 "	20160 in ²	56.8 PSF	44.8 PSF	56.8 PSF	44.8 PSF	53.0 PSF	41.8 PSF	53.0 PSF	41.8 PSF	49.2 PSF	38.8 PSF	49.2 PSF	38.8 PSF	45.4 PSF	35.8 PSF	45.4 PSF	35.8 PSF	247.00 LB-FT	265.2 LB	655.5 LB	473.5 LB
24 "			44.3 PSF	35.0 PSF	44.3 PSF	35.0 PSF	41.4 PSF	32.6 PSF	41.4 PSF	32.6 PSF	38.4 PSF	30.3 PSF	38.4 PSF	30.3 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	247.00 LB-FT	207.0 LB	559.5 LB	451.0 LB
30 "			36.4 PSF	28.8 PSF	36.4 PSF	28.8 PSF	34.0 PSF	26.8 PSF	34.0 PSF	26.8 PSF	31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	247.00 LB-FT	170.2 LB	499.5 LB	437.4 LB
36 "			31.0 PSF	24.4 PSF	31.0 PSF	24.4 PSF	28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	26.8 PSF	21.2 PSF	26.8 PSF	21.2 PSF	24.8 PSF	19.5 PSF	24.8 PSF	19.5 PSF	247.00 LB-FT	144.7 LB	458.2 LB	428.3 LB
18 "	48 "	27648 in ²	41.4 PSF	32.7 PSF	41.4 PSF	32.7 PSF	38.6 PSF	30.5 PSF	38.6 PSF	30.5 PSF	35.9 PSF	28.3 PSF	35.9 PSF	28.3 PSF	33.1 PSF	26.1 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	265.2 LB	688.6 LB	506.6 LB
24 "			32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	30.1 PSF	23.8 PSF	30.1 PSF	23.8 PSF	28.0 PSF	22.1 PSF	28.0 PSF	22.1 PSF	25.8 PSF	20.4 PSF	25.8 PSF	20.4 PSF	247.00 LB-FT	207.0 LB	585.4 LB	476.9 LB
30 "			26.6 PSF	21.0 PSF	26.6 PSF	21.0 PSF	24.8 PSF	19.6 PSF	24.8 PSF	19.6 PSF	23.0 PSF	18.2 PSF	23.0 PSF	18.2 PSF	21.2 PSF	16.8 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	170.2 LB	520.8 LB	458.7 LB
36 "			22.6 PSF	17.8 PSF	22.6 PSF	17.8 PSF	21.1 PSF	16.6 PSF	21.1 PSF	16.6 PSF	21.7 PSF	0.0 PSF	21.7 PSF	0.0 PSF					247.00 LB-FT	144.7 LB	476.3 LB	427.1 LB

48" STAND DEPTH: MAX FACE AREA (4968in² - 20736in²), FRAME QUANTITY (9-12 FRAMES)

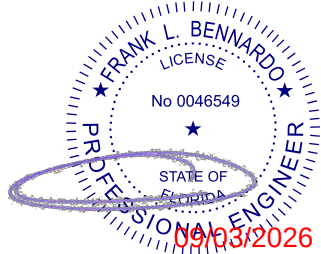
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 12 FRAMES				MAX FACE AREA : 11 FRAMES				MAX FACE AREA : 10 FRAMES				MAX FACE AREA : 9 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	4968 in ²	184.5 PSF	145.6 PSF	184.5 PSF	145.6 PSF	169.1 PSF	133.5 PSF	169.1 PSF	133.5 PSF	153.7 PSF	121.3 PSF	153.7 PSF	121.3 PSF	138.3 PSF	109.2 PSF	138.3 PSF	109.2 PSF	247.00 LB-FT	265.2 LB	557.2 LB	374.0 LB
24 "			144.0 PSF	113.7 PSF	144.0 PSF	113.7 PSF	132.0 PSF	104.2 PSF	132.0 PSF	104.2 PSF	120.0 PSF	94.7 PSF	120.0 PSF	94.7 PSF	108.0 PSF	85.2 PSF	108.0 PSF	85.2 PSF	247.00 LB-FT	207.0 LB	483.0 LB	373.3 LB
30 "			118.4 PSF	93.5 PSF	118.4 PSF	93.5 PSF	108.5 PSF	85.7 PSF	108.5 PSF	85.7 PSF	98.7 PSF	77.9 PSF	98.7 PSF	77.9 PSF	88.8 PSF	70.1 PSF	88.8 PSF	70.1 PSF	247.00 LB-FT	170.2 LB	436.8 LB	373.6 LB
36 "			100.7 PSF	79.5 PSF	100.7 PSF	79.5 PSF	92.3 PSF	72.8 PSF	92.3 PSF	72.8 PSF	83.9 PSF	66.2 PSF	83.9 PSF	66.2 PSF	75.5 PSF	59.6 PSF	75.5 PSF	59.6 PSF	247.00 LB-FT	144.7 LB	405.0 LB	374.0 LB
18 "	30 "	8370 in ²	109.5 PSF	86.4 PSF	109.5 PSF	86.4 PSF	100.3 PSF	79.2 PSF	100.3 PSF	79.2 PSF	91.2 PSF	72.0 PSF	91.2 PSF	72.0 PSF	82.1 PSF	64.8 PSF	82.1 PSF	64.8 PSF	247.00 LB-FT	265.2 LB	590.3 LB	407.2 LB
24 "			85.4 PSF	67.4 PSF	85.4 PSF	67.4 PSF	78.3 PSF	61.8 PSF	78.3 PSF	61.8 PSF	71.2 PSF	56.2 PSF	71.2 PSF	56.2 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	207.0 LB	508.9 LB	399.2 LB
30 "			70.3 PSF	55.5 PSF	70.3 PSF	55.5 PSF	64.4 PSF	50.8 PSF	64.4 PSF	50.8 PSF	58.5 PSF	46.2 PSF	58.5 PSF	46.2 PSF	52.7 PSF	41.6 PSF	52.7 PSF	41.6 PSF	247.00 LB-FT	170.2 LB	458.1 LB	394.9 LB
36 "			59.7 PSF	47.1 PSF	59.7 PSF	47.1 PSF	54.7 PSF	43.2 PSF	54.7 PSF	43.2 PSF	49.8 PSF	39.3 PSF	49.8 PSF	39.3 PSF	44.8 PSF	35.3 PSF	44.8 PSF	35.3 PSF	247.00 LB-FT	144.7 LB	423.1 LB	392.1 LB
18 "	36 "	11340 in ²	80.8 PSF	63.8 PSF	80.8 PSF	63.8 PSF	74.0 PSF	58.4 PSF	74.0 PSF	58.4 PSF	67.3 PSF	53.1 PSF	67.3 PSF	53.1 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	247.00 LB-FT	265.2 LB	623.5 LB	440.3 LB
24 "			63.1 PSF	49.8 PSF	63.1 PSF	49.8 PSF	57.8 PSF	45.6 PSF	57.8 PSF	45.6 PSF	52.5 PSF	41.5 PSF	52.5 PSF	41.5 PSF	47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	247.00 LB-FT	207.0 LB	534.8 LB	425.1 LB
30 "			51.8 PSF	40.9 PSF	51.8 PSF	40.9 PSF	47.5 PSF	37.5 PSF	47.5 PSF	37.5 PSF	43.2 PSF	34.1 PSF	43.2 PSF	34.1 PSF	38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	247.00 LB-FT	170.2 LB	479.4 LB	416.1 LB
36 "			44.1 PSF	34.8 PSF	44.1 PSF	34.8 PSF	40.4 PSF	31.9 PSF	40.4 PSF	31.9 PSF	36.7 PSF	29.0 PSF	36.7 PSF	29.0 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	247.00 LB-FT	144.7 LB	441.2 LB	410.2 LB
18 "	42 "	15120 in ²	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	55.5 PSF	43.8 PSF	55.5 PSF	43.8 PSF	50.5 PSF	39.8 PSF	50.5 PSF	39.8 PSF	45.4 PSF	35.8 PSF	45.4 PSF	35.8 PSF	247.00 LB-FT	265.2 LB	656.6 LB	473.5 LB
24 "			47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	43.3 PSF	34.2 PSF	43.3 PSF	34.2 PSF	39.4 PSF	31.1 PSF	39.4 PSF	31.1 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	247.00 LB-FT	207.0 LB	560.7 LB	451.0 LB
30 "			38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	35.6 PSF	28.1 PSF	35.6 PSF	28.1 PSF	32.4 PSF	25.6 PSF	32.4 PSF	25.6 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	247.00 LB-FT	170.2 LB	500.6 LB	437.4 LB
36 "			33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	30.3 PSF	23.9 PSF	30.3 PSF	23.9 PSF	27.5 PSF	21.7 PSF	27.5 PSF	21.7 PSF	24.8 PSF	19.5 PSF	24.8 PSF	19.5 PSF	247.00 LB-FT	144.7 LB	459.3 LB	428.3 LB
18 "	48 "	20736 in ²	44.2 PSF	34.8 PSF	44.2 PSF	34.8 PSF	40.5 PSF	31.9 PSF	40.5 PSF	31.9 PSF	36.8 PSF	29.0 PSF	36.8 PSF	29.0 PSF	33.1 PSF	26.1 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	265.2 LB	689.8 LB	506.6 LB
24 "			34.5 PSF	27.2 PSF	34.5 PSF	27.2 PSF	31.6 PSF	24.9 PSF	31.6 PSF	24.9 PSF	28.7 PSF	22.7 PSF	28.7 PSF	22.7 PSF	25.8 PSF	20.4 PSF	25.8 PSF	20.4 PSF	247.00 LB-FT	207.0 LB	586.6 LB	476.9 LB
30 "			28.3 PSF	22.4 PSF	28.3 PSF	22.4 PSF	26.0 PSF	20.5 PSF	26.0 PSF	20.5 PSF	23.6 PSF	18.6 PSF	23.6 PSF	18.6 PSF	21.2 PSF	16.8 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	170.2 LB	521.9 LB	458.7 LB
36 "			24.1 PSF	19.0 PSF	24.1 PSF	19.0 PSF	22.1 PSF	17.4 PSF	22.1 PSF	17.4 PSF	20.1 PSF	15.8 PSF	20.1 PSF	15.8 PSF	21.2 PSF	16.8 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	144.7 LB	477.4 LB	432.9 LB

"FIXED HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

- 1. DESIGN SCHEDULES SHOWN HEREIN ARE REFERENCED TO ALLOWABLE STRENGTH DESIGN (ASD) METHODOLOGY.
- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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(954) 480-6919

ALUMINUM A/C STANDS
FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

48" STAND DEPTH: MAX FACE AREA (2760in ² - 11520in ²), FRAME QUANTITY (5-8 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 8 FRAMES				MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2760 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	193.7 PSF	152.9 PSF	193.7 PSF	152.9 PSF	166.0 PSF	131.0 PSF	166.0 PSF	131.0 PSF	138.3 PSF	109.2 PSF	138.3 PSF	109.2 PSF	247.00 LB-FT	265.2 LB	558.0 LB	374.0 LB
24 "			172.8 PSF	136.4 PSF	172.8 PSF	136.4 PSF	151.2 PSF	119.4 PSF	151.2 PSF	119.4 PSF	129.6 PSF	102.3 PSF	129.6 PSF	102.3 PSF	108.0 PSF	85.2 PSF	108.0 PSF	85.2 PSF	247.00 LB-FT	207.0 LB	485.8 LB	373.3 LB
30 "			142.1 PSF	112.2 PSF	142.1 PSF	112.2 PSF	124.3 PSF	98.1 PSF	124.3 PSF	98.1 PSF	106.6 PSF	84.1 PSF	106.6 PSF	84.1 PSF	88.8 PSF	70.1 PSF	88.8 PSF	70.1 PSF	247.00 LB-FT	170.2 LB	439.6 LB	373.6 LB
36 "			120.8 PSF	95.4 PSF	120.8 PSF	95.4 PSF	105.7 PSF	83.4 PSF	105.7 PSF	83.4 PSF	90.6 PSF	71.5 PSF	90.6 PSF	71.5 PSF	75.5 PSF	59.6 PSF	75.5 PSF	59.6 PSF	247.00 LB-FT	144.7 LB	407.9 LB	374.0 LB
18 "	30 "	4650 in ²	131.4 PSF	103.7 PSF	131.4 PSF	103.7 PSF	114.9 PSF	90.7 PSF	114.9 PSF	90.7 PSF	98.5 PSF	77.8 PSF	98.5 PSF	77.8 PSF	82.1 PSF	64.8 PSF	82.1 PSF	64.8 PSF	247.00 LB-FT	265.2 LB	593.1 LB	407.2 LB
24 "			102.5 PSF	80.9 PSF	102.5 PSF	80.9 PSF	89.7 PSF	70.8 PSF	89.7 PSF	70.8 PSF	76.9 PSF	60.7 PSF	76.9 PSF	60.7 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	207.0 LB	511.7 LB	399.2 LB
30 "			84.3 PSF	66.6 PSF	84.3 PSF	66.6 PSF	73.8 PSF	58.2 PSF	73.8 PSF	58.2 PSF	63.2 PSF	49.9 PSF	63.2 PSF	49.9 PSF	52.7 PSF	41.6 PSF	52.7 PSF	41.6 PSF	247.00 LB-FT	170.2 LB	460.9 LB	394.9 LB
36 "			71.7 PSF	56.6 PSF	71.7 PSF	56.6 PSF	62.7 PSF	49.5 PSF	62.7 PSF	49.5 PSF	53.8 PSF	42.4 PSF	53.8 PSF	42.4 PSF	44.8 PSF	35.3 PSF	44.8 PSF	35.3 PSF	247.00 LB-FT	144.7 LB	426.0 LB	392.1 LB
18 "	36 "	6300 in ²	96.9 PSF	76.5 PSF	96.9 PSF	76.5 PSF	84.8 PSF	67.0 PSF	84.8 PSF	67.0 PSF	72.7 PSF	57.4 PSF	72.7 PSF	57.4 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	247.00 LB-FT	265.2 LB	626.3 LB	440.3 LB
24 "			75.7 PSF	59.7 PSF	75.7 PSF	59.7 PSF	66.2 PSF	52.3 PSF	66.2 PSF	52.3 PSF	56.7 PSF	44.8 PSF	56.7 PSF	44.8 PSF	47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	247.00 LB-FT	207.0 LB	537.6 LB	425.1 LB
30 "			62.2 PSF	49.1 PSF	62.2 PSF	49.1 PSF	54.4 PSF	43.0 PSF	54.4 PSF	43.0 PSF	46.7 PSF	36.8 PSF	46.7 PSF	36.8 PSF	38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	247.00 LB-FT	170.2 LB	482.2 LB	416.1 LB
36 "			52.9 PSF	41.8 PSF	52.9 PSF	41.8 PSF	46.3 PSF	36.5 PSF	46.3 PSF	36.5 PSF	39.7 PSF	31.3 PSF	39.7 PSF	31.3 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	247.00 LB-FT	144.7 LB	444.1 LB	410.2 LB
18 "	42 "	8400 in ²	72.7 PSF	57.4 PSF	72.7 PSF	57.4 PSF	63.6 PSF	50.2 PSF	63.6 PSF	50.2 PSF	54.5 PSF	43.0 PSF	54.5 PSF	43.0 PSF	45.4 PSF	35.8 PSF	45.4 PSF	35.8 PSF	247.00 LB-FT	265.2 LB	659.4 LB	473.5 LB
24 "			56.7 PSF	44.8 PSF	56.7 PSF	44.8 PSF	49.6 PSF	39.2 PSF	49.6 PSF	39.2 PSF	42.5 PSF	33.6 PSF	42.5 PSF	33.6 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	247.00 LB-FT	207.0 LB	563.5 LB	451.0 LB
30 "			46.7 PSF	36.8 PSF	46.7 PSF	36.8 PSF	40.8 PSF	32.2 PSF	40.8 PSF	32.2 PSF	35.0 PSF	27.6 PSF	35.0 PSF	27.6 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	247.00 LB-FT	170.2 LB	503.5 LB	437.4 LB
36 "			39.7 PSF	31.3 PSF	39.7 PSF	31.3 PSF	34.7 PSF	27.4 PSF	34.7 PSF	27.4 PSF	29.7 PSF	23.5 PSF	29.7 PSF	23.5 PSF	24.8 PSF	19.5 PSF	24.8 PSF	19.5 PSF	247.00 LB-FT	144.7 LB	462.2 LB	428.3 LB
18 "	48 "	11520 in ²	53.0 PSF	41.8 PSF	53.0 PSF	41.8 PSF	46.4 PSF	36.6 PSF	46.4 PSF	36.6 PSF	39.7 PSF	31.4 PSF	39.7 PSF	31.4 PSF	33.1 PSF	26.1 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	265.2 LB	692.6 LB	506.6 LB
24 "			41.4 PSF	32.6 PSF	41.4 PSF	32.6 PSF	36.2 PSF	28.6 PSF	36.2 PSF	28.6 PSF	31.0 PSF	24.5 PSF	31.0 PSF	24.5 PSF	25.8 PSF	20.4 PSF	25.8 PSF	20.4 PSF	247.00 LB-FT	207.0 LB	589.4 LB	476.9 LB
30 "			34.0 PSF	26.8 PSF	34.0 PSF	26.8 PSF	29.7 PSF	23.5 PSF	29.7 PSF	23.5 PSF	25.5 PSF	20.1 PSF	25.5 PSF	20.1 PSF	21.2 PSF	16.8 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	170.2 LB	524.7 LB	458.7 LB
36 "			28.9 PSF	22.8 PSF	28.9 PSF	22.8 PSF	25.3 PSF	20.0 PSF	25.3 PSF	20.0 PSF	21.7 PSF	17.1 PSF	21.7 PSF	17.1 PSF					247.00 LB-FT	144.7 LB	480.2 LB	423.9 LB

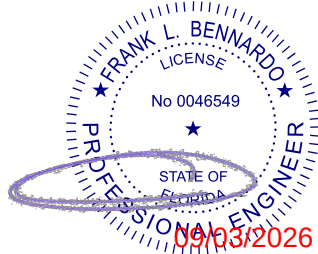
48" STAND DEPTH: MAX FACE AREA (2208in ² - 9216in ²), FRAME QUANTITY (4-7 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 7 FRAMES				MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	2208 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	172.9 PSF	136.5 PSF	172.9 PSF	136.5 PSF	138.3 PSF	109.2 PSF	138.3 PSF	109.2 PSF	247.00 LB-FT	265.2 LB	556.0 LB	374.0 LB
24 "			189.0 PSF	149.2 PSF	189.0 PSF	149.2 PSF	162.0 PSF	127.9 PSF	162.0 PSF	127.9 PSF	135.0 PSF	106.6 PSF	135.0 PSF	106.6 PSF	108.0 PSF	85.2 PSF	108.0 PSF	85.2 PSF	247.00 LB-FT	207.0 LB	487.0 LB	373.3 LB
30 "			155.4 PSF	122.7 PSF	155.4 PSF	122.7 PSF	133.2 PSF	105.2 PSF	133.2 PSF	105.2 PSF	111.0 PSF	87.6 PSF	111.0 PSF	87.6 PSF	88.8 PSF	70.1 PSF	88.8 PSF	70.1 PSF	247.00 LB-FT	170.2 LB	440.8 LB	373.6 LB
36 "			132.1 PSF	104.3 PSF	132.1 PSF	104.3 PSF	113.3 PSF	89.4 PSF	113.3 PSF	89.4 PSF	94.4 PSF	74.5 PSF	94.4 PSF	74.5 PSF	75.5 PSF	59.6 PSF	75.5 PSF	59.6 PSF	247.00 LB-FT	144.7 LB	409.1 LB	374.0 LB
18 "	30 "	3720 in ²	143.7 PSF	113.4 PSF	143.7 PSF	113.4 PSF	123.2 PSF	97.2 PSF	123.2 PSF	97.2 PSF	102.6 PSF	81.0 PSF	102.6 PSF	81.0 PSF	82.1 PSF	64.8 PSF	82.1 PSF	64.8 PSF	247.00 LB-FT	265.2 LB	594.3 LB	407.2 LB
24 "			112.2 PSF	88.5 PSF	112.2 PSF	88.5 PSF	96.1 PSF	75.9 PSF	96.1 PSF	75.9 PSF	80.1 PSF	63.2 PSF	80.1 PSF	63.2 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	207.0 LB	512.9 LB	399.2 LB
30 "			92.2 PSF	72.8 PSF	92.2 PSF	72.8 PSF	79.0 PSF	62.4 PSF	79.0 PSF	62.4 PSF	65.9 PSF	52.0 PSF	65.9 PSF	52.0 PSF	52.7 PSF	41.6 PSF	52.7 PSF	41.6 PSF	247.00 LB-FT	170.2 LB	462.1 LB	394.9 LB
36 "			78.4 PSF	61.9 PSF	78.4 PSF	61.9 PSF	67.2 PSF	53.0 PSF	67.2 PSF	53.0 PSF	56.0 PSF	44.2 PSF	56.0 PSF	44.2 PSF	44.8 PSF	35.3 PSF	44.8 PSF	35.3 PSF	247.00 LB-FT	144.7 LB	427.2 LB	392.1 LB
18 "	36 "	5040 in ²	106.0 PSF	83.7 PSF	106.0 PSF	83.7 PSF	90.9 PSF	71.7 PSF	90.9 PSF	71.7 PSF	75.7 PSF	59.8 PSF	75.7 PSF	59.8 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	247.00 LB-FT	265.2 LB	627.5 LB	440.3 LB
24 "			82.8 PSF	65.3 PSF	82.8 PSF	65.3 PSF	70.9 PSF	56.0 PSF	70.9 PSF	56.0 PSF	59.1 PSF	46.7 PSF	59.1 PSF	46.7 PSF	47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	247.00 LB-FT	207.0 LB	538.8 LB	425.1 LB
30 "			68.1 PSF	53.7 PSF	68.1 PSF	53.7 PSF	58.3 PSF	46.0 PSF	58.3 PSF	46.0 PSF	48.6 PSF	38.4 PSF	48.6 PSF	38.4 PSF	38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	247.00 LB-FT	170.2 LB	483.4 LB	416.1 LB
36 "			57.9 PSF	45.7 PSF	57.9 PSF	45.7 PSF	49.6 PSF	39.1 PSF	49.6 PSF	39.1 PSF	41.3 PSF	32.6 PSF	41.3 PSF	32.6 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	247.00 LB-FT	144.7 LB	445.3 LB	410.2 LB
18 "	42 "	6720 in ²	79.5 PSF	62.8 PSF	79.5 PSF	62.8 PSF	68.2 PSF	53.8 PSF	68.2 PSF	53.8 PSF	56.8 PSF	44.8 PSF	56.8 PSF	44.8 PSF	45.4 PSF	35.8 PSF	45.4 PSF	35.8 PSF	247.00 LB-FT	265.2 LB	660.6 LB	473.5 LB
24 "			62.1 PSF	49.0 PSF	62.1 PSF	49.0 PSF	53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	44.3 PSF	35.0 PSF	44.3 PSF	35.0 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	247.00 LB-FT	207.0 LB	564.7 LB	451.0 LB
30 "			51.0 PSF	40.3 PSF	51.0 PSF	40.3 PSF	43.7 PSF	34.5 PSF	43.7 PSF	34.5 PSF	36.4 PSF	28.8 PSF	36.4 PSF	28.8 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	247.00 LB-FT	170.2 LB	504.7 LB	437.4 LB
36 "			43.4 PSF	34.2 PSF	43.4 PSF	34.2 PSF	37.2 PSF	29.3 PSF	37.2 PSF	29.3 PSF	31.0 PSF	24.4 PSF	31.0 PSF	24.4 PSF	24.8 PSF	19.5 PSF	24.8 PSF	19.5 PSF	247.00 LB-FT	144.7 LB	463.4 LB	428.3 LB
18 "	48 "	9216 in ²	58.0 PSF	45.8 PSF	58.0 PSF	45.8 PSF	49.7 PSF	39.2 PSF	49.7 PSF	39.2 PSF	41.4 PSF	32.7 PSF	41.4 PSF	32.7 PSF	33.1 PSF	26.1 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	265.2 LB	693.8 LB	506.6 LB
24 "			45.2 PSF	35.7 PSF	45.2 PSF	35.7 PSF	38.8 PSF	30.6 PSF	38.8 PSF	30.6 PSF	32.3 PSF	25.5 PSF	32.3 PSF	25.5 PSF	25.8 PSF	20.4 PSF	25.8 PSF	20.4 PSF	247.00 LB-FT	207.0 LB	590.6 LB	476.9 LB
30 "			37.2 PSF	29.4 PSF	37.2 PSF	29.4 PSF	31.9 PSF	25.2 PSF	31.9 PSF	25.2 PSF	26.6 PSF	21.0 PSF	26.6 PSF	21.0 PSF	21.2 PSF	16.8 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	170.2 LB	525.9 LB	458.7 LB
36 "			31.6 PSF	25.0 PSF	31.6 PSF	25.0 PSF	21.1 PSF	21.4 PSF	21.1 PSF	21.4 PSF	22.6 PSF	17.8 PSF	22.6 PSF	17.8 PSF					247.00 LB-FT	144.7 LB	481.5 LB	419.4 LB

"FIXED HD" STAND DESIGN SCHEDULE CONTINUED

DESIGN SCHEDULES NOTES:

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- 2. EMPTY CELLS DENOTES CONDITIONS NOT ALLOWED TO USE.
- 3. MAXIMUM CALCULATED FACE AREA SHALL BE EQUAL TO OR LESS THAN THE MAXIMUM ALLOWABLE FACE AREA FOR EACH CONFIGURATION.
- 4. REFERENCE ANCHOR SCHEDULE FOR ANCHOR TYPES LISTED HEREIN.

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PE# 0046549 CA# 9885



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FL 16921.1



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ALUMINUM A/C STANDS
FLORIDA BUILDING CODE 8TH & 9TH EDNS (2023 & 2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#16921.1)

48" STAND DEPTH: MAX FACE AREA (1656in ² - 6912in ²), FRAME QUANTITY (3-6 FRAMES)																		LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY				
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO														MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)		
			MAX FACE AREA : 6 FRAMES				MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4						ANCHORS TYPE: 2 OR 3	
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT						
18 "	24 "	1656 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	184.5 PSF	145.6 PSF	184.5 PSF	145.6 PSF	138.3 PSF	109.2 PSF	247.00 LB-FT	265.2 LB	557.2 LB	374.0 LB		
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	180.0 PSF	142.1 PSF	180.0 PSF	142.1 PSF	144.0 PSF	113.7 PSF	144.0 PSF	113.7 PSF	108.0 PSF	85.2 PSF	247.00 LB-FT	207.0 LB	486.4 LB	373.3 LB		
30 "			177.6 PSF	140.2 PSF	177.6 PSF	140.2 PSF	148.0 PSF	116.8 PSF	148.0 PSF	116.8 PSF	118.4 PSF	93.5 PSF	118.4 PSF	93.5 PSF	88.8 PSF	70.1 PSF	247.00 LB-FT	170.2 LB	442.4 LB	373.6 LB		
36 "			151.0 PSF	119.2 PSF	151.0 PSF	119.2 PSF	125.8 PSF	99.3 PSF	125.8 PSF	99.3 PSF	100.7 PSF	79.5 PSF	100.7 PSF	79.5 PSF	75.5 PSF	59.6 PSF	247.00 LB-FT	144.7 LB	410.7 LB	374.0 LB		
18 "	30 "	2790 in ²	164.2 PSF	129.6 PSF	164.2 PSF	129.6 PSF	136.8 PSF	108.0 PSF	136.8 PSF	108.0 PSF	109.5 PSF	86.4 PSF	109.5 PSF	86.4 PSF	82.1 PSF	64.8 PSF	247.00 LB-FT	265.2 LB	595.9 LB	407.2 LB		
24 "			128.2 PSF	101.2 PSF	128.2 PSF	101.2 PSF	106.8 PSF	84.3 PSF	106.8 PSF	84.3 PSF	85.4 PSF	67.4 PSF	85.4 PSF	67.4 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	207.0 LB	514.5 LB	399.2 LB		
30 "			105.4 PSF	83.2 PSF	105.4 PSF	83.2 PSF	87.8 PSF	69.3 PSF	87.8 PSF	69.3 PSF	70.3 PSF	55.5 PSF	70.3 PSF	55.5 PSF	52.7 PSF	41.6 PSF	247.00 LB-FT	170.2 LB	463.7 LB	394.9 LB		
36 "			89.6 PSF	70.7 PSF	89.6 PSF	70.7 PSF	74.7 PSF	58.9 PSF	74.7 PSF	58.9 PSF	59.7 PSF	47.1 PSF	59.7 PSF	47.1 PSF	44.8 PSF	35.3 PSF	247.00 LB-FT	144.7 LB	428.8 LB	392.1 LB		
18 "	36 "	3780 in ²	121.2 PSF	95.7 PSF	121.2 PSF	95.7 PSF	101.0 PSF	79.7 PSF	101.0 PSF	79.7 PSF	80.8 PSF	63.8 PSF	80.8 PSF	63.8 PSF	60.6 PSF	47.8 PSF	247.00 LB-FT	265.2 LB	629.1 LB	440.3 LB		
24 "			94.6 PSF	74.7 PSF	94.6 PSF	74.7 PSF	78.8 PSF	62.2 PSF	78.8 PSF	62.2 PSF	63.1 PSF	49.8 PSF	63.1 PSF	49.8 PSF	47.3 PSF	37.3 PSF	247.00 LB-FT	207.0 LB	540.4 LB	425.1 LB		
30 "			77.8 PSF	61.4 PSF	77.8 PSF	61.4 PSF	64.8 PSF	51.2 PSF	64.8 PSF	51.2 PSF	51.8 PSF	40.9 PSF	51.8 PSF	40.9 PSF	38.9 PSF	30.7 PSF	247.00 LB-FT	170.2 LB	485.0 LB	416.1 LB		
36 "			66.1 PSF	52.2 PSF	66.1 PSF	52.2 PSF	55.1 PSF	43.5 PSF	55.1 PSF	43.5 PSF	44.1 PSF	34.8 PSF	44.1 PSF	34.8 PSF	33.0 PSF	26.1 PSF	247.00 LB-FT	144.7 LB	446.9 LB	410.2 LB		
18 "	42 "	5040 in ²	90.9 PSF	71.7 PSF	90.9 PSF	71.7 PSF	75.7 PSF	59.8 PSF	75.7 PSF	59.8 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	45.4 PSF	35.8 PSF	247.00 LB-FT	265.2 LB	662.2 LB	473.5 LB		
24 "			70.9 PSF	56.0 PSF	70.9 PSF	56.0 PSF	59.1 PSF	46.7 PSF	59.1 PSF	46.7 PSF	47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	35.4 PSF	28.0 PSF	247.00 LB-FT	207.0 LB	566.3 LB	451.0 LB		
30 "			58.3 PSF	46.0 PSF	58.3 PSF	46.0 PSF	48.6 PSF	38.4 PSF	48.6 PSF	38.4 PSF	38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	29.1 PSF	23.0 PSF	247.00 LB-FT	170.2 LB	506.3 LB	437.4 LB		
36 "			49.6 PSF	39.1 PSF	49.6 PSF	39.1 PSF	41.3 PSF	32.6 PSF	41.3 PSF	32.6 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	24.8 PSF	19.5 PSF	247.00 LB-FT	144.7 LB	465.0 LB	428.3 LB		
18 "	48 "	6912 in ²	66.3 PSF	52.3 PSF	66.3 PSF	52.3 PSF	55.2 PSF	43.6 PSF	55.2 PSF	43.6 PSF	44.2 PSF	34.8 PSF	44.2 PSF	34.8 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	265.2 LB	695.4 LB	506.6 LB		
24 "			51.7 PSF	40.8 PSF	51.7 PSF	40.8 PSF	43.1 PSF	34.0 PSF	43.1 PSF	34.0 PSF	34.5 PSF	27.2 PSF	34.5 PSF	27.2 PSF	25.8 PSF	20.4 PSF	247.00 LB-FT	207.0 LB	592.2 LB	476.9 LB		
30 "			42.5 PSF	33.6 PSF	42.5 PSF	33.6 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	28.3 PSF	22.4 PSF	28.3 PSF	22.4 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	170.2 LB	527.5 LB	458.7 LB		
36 "			36.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	30.1 PSF	23.8 PSF	30.1 PSF	23.8 PSF	24.1 PSF	19.0 PSF	24.1 PSF	19.0 PSF			247.00 LB-FT	144.7 LB	483.1 LB	412.7 LB		

48" STAND DEPTH: MAX FACE AREA (1104in ² - 4608in ²), FRAME QUANTITY (2-5 FRAMES)																			LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
STAND CLEAR HEIGHT	MAX MEAN UNIT HEIGHT	MAX FACE AREA	UNIT TO FRAME RATIO																MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
			MAX FACE AREA : 5 FRAMES				MAX FACE AREA : 4 FRAMES				MAX FACE AREA : 3 FRAMES				MAX FACE AREA : 2 FRAMES							
			ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
			MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
18 "	24 "	1104 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	138.3 PSF	109.2 PSF	138.3 PSF	109.2 PSF	247.00 LB-FT	265.2 LB	551.5 LB	374.0 LB
24 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	162.0 PSF	127.9 PSF	162.0 PSF	127.9 PSF	108.0 PSF	85.2 PSF	108.0 PSF	85.2 PSF	247.00 LB-FT	207.0 LB	484.9 LB	373.3 LB
30 "			200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	177.6 PSF	140.2 PSF	177.6 PSF	140.2 PSF	133.2 PSF	105.2 PSF	133.2 PSF	105.2 PSF	88.8 PSF	70.1 PSF	88.8 PSF	70.1 PSF	247.00 LB-FT	170.2 LB	442.4 LB	373.6 LB
36 "			188.8 PSF	149.0 PSF	188.8 PSF	149.0 PSF	151.0 PSF	119.2 PSF	151.0 PSF	119.2 PSF	113.3 PSF	89.4 PSF	113.3 PSF	89.4 PSF	75.5 PSF	59.6 PSF	75.5 PSF	59.6 PSF	247.00 LB-FT	144.7 LB	412.9 LB	374.0 LB
18 "	30 "	1860 in ²	200.0 PSF	157.8 PSF	200.0 PSF	157.8 PSF	164.2 PSF	129.6 PSF	164.2 PSF	129.6 PSF	123.2 PSF	97.2 PSF	123.2 PSF	97.2 PSF	82.1 PSF	64.8 PSF	82.1 PSF	64.8 PSF	247.00 LB-FT	265.2 LB	595.9 LB	407.2 LB
24 "			160.3 PSF	126.5 PSF	160.3 PSF	126.5 PSF	128.2 PSF	101.2 PSF	128.2 PSF	101.2 PSF	96.1 PSF	75.9 PSF	96.1 PSF	75.9 PSF	64.1 PSF	50.6 PSF	64.1 PSF	50.6 PSF	247.00 LB-FT	207.0 LB	516.8 LB	399.2 LB
30 "			131.8 PSF	104.0 PSF	131.8 PSF	104.0 PSF	105.4 PSF	83.2 PSF	105.4 PSF	83.2 PSF	79.0 PSF	62.4 PSF	79.0 PSF	62.4 PSF	52.7 PSF	41.6 PSF	52.7 PSF	41.6 PSF	247.00 LB-FT	170.2 LB	465.9 LB	394.9 LB
36 "			112.0 PSF	88.4 PSF	112.0 PSF	88.4 PSF	89.6 PSF	70.7 PSF	89.6 PSF	70.7 PSF	67.2 PSF	53.0 PSF	67.2 PSF	53.0 PSF	44.8 PSF	35.3 PSF	44.8 PSF	35.3 PSF	247.00 LB-FT	144.7 LB	431.0 LB	392.1 LB
18 "	36 "	2520 in ²	151.5 PSF	119.6 PSF	151.5 PSF	119.6 PSF	121.2 PSF	95.7 PSF	121.2 PSF	95.7 PSF	90.9 PSF	71.7 PSF	90.9 PSF	71.7 PSF	60.6 PSF	47.8 PSF	60.6 PSF	47.8 PSF	247.00 LB-FT	265.2 LB	631.3 LB	440.3 LB
24 "			118.3 PSF	93.4 PSF	118.3 PSF	93.4 PSF	94.6 PSF	74.7 PSF	94.6 PSF	74.7 PSF	70.9 PSF	56.0 PSF	70.9 PSF	56.0 PSF	47.3 PSF	37.3 PSF	47.3 PSF	37.3 PSF	247.00 LB-FT	207.0 LB	542.7 LB	425.1 LB
30 "			97.3 PSF	76.8 PSF	97.3 PSF	76.8 PSF	77.8 PSF	61.4 PSF	77.8 PSF	61.4 PSF	58.3 PSF	46.0 PSF	58.3 PSF	46.0 PSF	38.9 PSF	30.7 PSF	38.9 PSF	30.7 PSF	247.00 LB-FT	170.2 LB	487.2 LB	416.1 LB
36 "			82.7 PSF	65.3 PSF	82.7 PSF	65.3 PSF	66.1 PSF	52.2 PSF	66.1 PSF	52.2 PSF	49.6 PSF	39.1 PSF	49.6 PSF	39.1 PSF	33.0 PSF	26.1 PSF	33.0 PSF	26.1 PSF	247.00 LB-FT	144.7 LB	449.1 LB	410.2 LB
18 "	42 "	3360 in ²	113.6 PSF	89.7 PSF	113.6 PSF	89.7 PSF	90.9 PSF	71.7 PSF	90.9 PSF	71.7 PSF	68.2 PSF	53.8 PSF	68.2 PSF	53.8 PSF	45.4 PSF	35.8 PSF	45.4 PSF	35.8 PSF	247.00 LB-FT	265.2 LB	664.5 LB	473.5 LB
24 "			88.7 PSF	70.0 PSF	88.7 PSF	70.0 PSF	70.9 PSF	56.0 PSF	70.9 PSF	56.0 PSF	53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	35.4 PSF	28.0 PSF	35.4 PSF	28.0 PSF	247.00 LB-FT	207.0 LB	568.5 LB	451.0 LB
30 "			72.9 PSF	57.6 PSF	72.9 PSF	57.6 PSF	58.3 PSF	46.0 PSF	58.3 PSF	46.0 PSF	43.7 PSF	34.5 PSF	43.7 PSF	34.5 PSF	29.1 PSF	23.0 PSF	29.1 PSF	23.0 PSF	247.00 LB-FT	170.2 LB	508.5 LB	437.4 LB
36 "			62.0 PSF	48.9 PSF	62.0 PSF	48.9 PSF	49.6 PSF	39.1 PSF	49.6 PSF	39.1 PSF	37.2 PSF	29.3 PSF	37.2 PSF	29.3 PSF	24.8 PSF	19.5 PSF	24.8 PSF	19.5 PSF	247.00 LB-FT	144.7 LB	467.2 LB	428.3 LB
18 "	48 "	4608 in ²	82.8 PSF	65.4 PSF	82.8 PSF	65.4 PSF	66.3 PSF	52.3 PSF	66.3 PSF	52.3 PSF	49.7 PSF	39.2 PSF	49.7 PSF	39.2 PSF	33.1 PSF	26.1 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	265.2 LB	697.6 LB	506.6 LB
24 "			64.7 PSF	51.0 PSF	64.7 PSF	51.0 PSF	51.7 PSF	40.8 PSF	51.7 PSF	40.8 PSF	38.8 PSF	30.6 PSF	38.8 PSF	30.6 PSF	25.8 PSF	20.4 PSF	25.8 PSF	20.4 PSF	247.00 LB-FT	207.0 LB	594.4 LB	476.9 LB
30 "			53.2 PSF	42.0 PSF	53.2 PSF	42.0 PSF	42.5 PSF	33.6 PSF	42.5 PSF	33.6 PSF	31.9 PSF	25.2 PSF	31.9 PSF	25.2 PSF	21.2 PSF	16.8 PSF	21.2 PSF	16.8 PSF	247.00 LB-FT	170.2 LB	529.8 LB	458.7 LB
36 "			45.2 PSF	35.7 PSF	45.2 PSF	35.7 PSF	46.1 PSF	28.5 PSF	46.1 PSF	28.5 PSF	36.1 PSF	28.5 PSF	27.1 PSF	21.4 PSF	27.1 PSF	21.4 PSF	16.8 PSF	12.9 PSF	16.8 PSF	12.9 PSF	247.00 LB-FT	144.7 LB

"HD CUSTOM CROSS-BRACE" STAND DESIGN SCHEDULE

24" STAND DEPTH:														LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
MAX UNIT DIMENSIONS (W X D X H)	STAND CLEAR HEIGHT	UNIT TO FRAME RATIO												MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
		(1) UNIT: (3) FRAMES				(2) UNITS: (5) FRAMES				(3) UNITS: (6) FRAMES							
		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
		MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
52" WIDTH 49" DEPTH 74" HEIGHT	18 "	69.4 PSF	54.7 PSF	55.8 PSF	44.0 PSF	57.8 PSF	45.6 PSF	46.5 PSF	36.7 PSF	46.3 PSF	36.5 PSF	37.2 PSF	29.4 PSF	181.50 LB-FT	310.20 LB	1645.8 LB	1642.4 LB
	24 "	59.0 PSF	46.6 PSF	47.9 PSF	37.8 PSF	49.2 PSF	38.8 PSF	40.0 PSF	31.5 PSF	39.3 PSF	31.1 PSF	32.0 PSF	25.2 PSF	195.90 LB-FT	263.5 LB	1530.0 LB	1503.0 LB
	30 "	61.8 PSF	48.8 PSF	50.5 PSF	39.9 PSF	51.5 PSF	40.6 PSF	42.1 PSF	33.3 PSF	41.2 PSF	32.5 PSF	33.7 PSF	26.6 PSF	247.00 LB-FT	275.3 LB	1738.7 LB	1726.3 LB
	36 "	52.9 PSF	41.7 PSF	45.6 PSF	36.0 PSF	44.0 PSF	34.8 PSF	38.0 PSF	30.0 PSF	35.2 PSF	27.8 PSF	30.4 PSF	24.0 PSF	247.00 LB-FT	235.6 LB	1604.4 LB	1598.6 LB

NOTE: THIS SCHEDULE APPLIES WHEN UNIT DEPTH IS GREATER THAN OR EQUAL TO STAND DEPTH, TYP.

36" STAND DEPTH:														STRUCTURE VERIFICATION ONLY			
MAX UNIT DIMENSIONS (W x D x H)	STAND CLEAR HEIGHT	UNIT TO FRAME RATIO												MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
		(1) UNIT: (3) FRAMES				(2) UNITS: (5) FRAMES				(3) UNITS: (6) FRAMES							
		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
		MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
52" WIDTH 49" DEPTH 74" HEIGHT	18 "	76.5 PSF	60.4 PSF	61.1 PSF	48.2 PSF	63.8 PSF	50.3 PSF	50.9 PSF	40.2 PSF	51.0 PSF	40.3 PSF	40.8 PSF	32.2 PSF	214.50 LB-FT	342.1 LB	1266.4 LB	1235.2 LB
	24 "	64.3 PSF	50.8 PSF	52.0 PSF	41.1 PSF	53.6 PSF	42.3 PSF	43.4 PSF	34.2 PSF	42.9 PSF	33.9 PSF	34.7 PSF	27.4 PSF	229.10 LB-FT	287.9 LB	1159.4 LB	1173.3 LB
	30 "	57.9 PSF	45.7 PSF	56.3 PSF	44.4 PSF	48.2 PSF	38.1 PSF	46.9 PSF	37.0 PSF	38.6 PSF	30.4 PSF	37.5 PSF	26.9 PSF	247.00 LB-FT	257.9 LB	1126.9 LB	1102.3 LB
	36 "	49.7 PSF	39.2 PSF	49.7 PSF	39.2 PSF	41.4 PSF	32.7 PSF	41.4 PSF	32.7 PSF	33.1 PSF	26.1 PSF	33.1 PSF	26.1 PSF	247.00 LB-FT	221.5 LB	1039.9 LB	1045.9 LB

NOTE: THIS SCHEDULE APPLIES WHEN UNIT DEPTH IS GREATER THAN OR EQUAL TO STAND DEPTH, TYP.

24"-36" STAND DEPTH (SPECIAL MINI-SPLIT OPTION):														STRUCTURE VERIFICATION ONLY			
UNIT DIMENSIONS (W x D x H)	STAND CLEAR HEIGHT	UNIT TO FRAME RATIO												MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
		(1) UNIT: (3) FRAMES				(2) UNITS: (4) FRAMES				(3) UNITS: (5) FRAMES							
		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
		MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
30" MAX. WIDTH 12" MIN. DEPTH 55" MAX. HEIGHT	18 "	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	79.2 PSF	62.5 PSF	199.70 LB-FT	341.5 LB	1420.2 LB	1585.0 LB
	24 "	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	80.5 PSF	63.6 PSF	82.5 PSF	65.1 PSF	67.2 PSF	53.0 PSF	212.80 LB-FT	286.2 LB	1330.4 LB	1510.4 LB
	30 "	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	80.0 PSF	63.2 PSF	71.1 PSF	56.1 PSF	247.00 LB-FT	275.3 LB	1422.0 LB	1599.6 LB
	36 "	82.5 PSF	65.1 PSF	82.5 PSF	65.1 PSF	82.2 PSF	64.9 PSF	76.3 PSF	60.2 PSF	68.5 PSF	54.1 PSF	63.6 PSF	50.2 PSF	247.00 LB-FT	235.6 LB	1335.3 LB	1521.6 LB

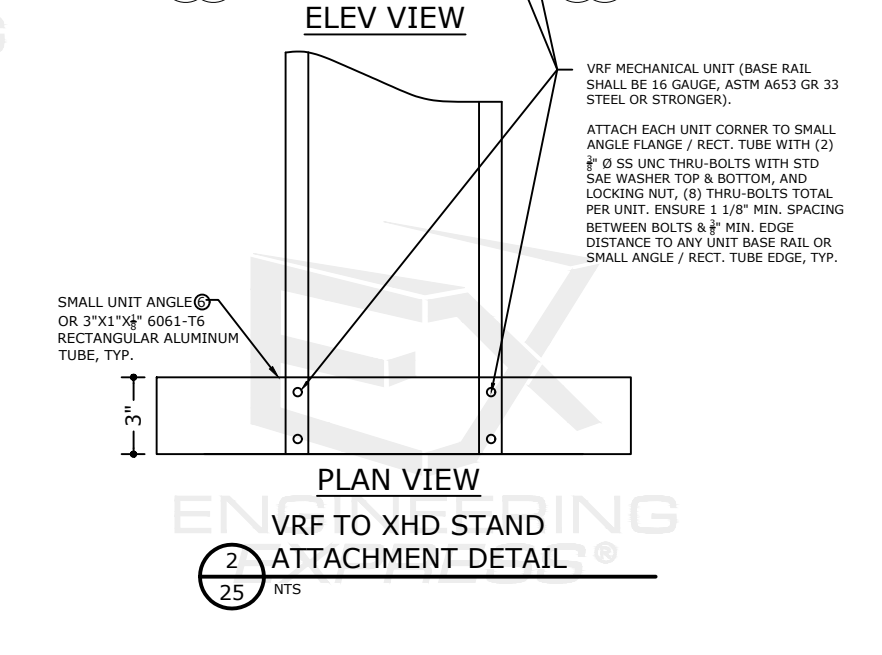
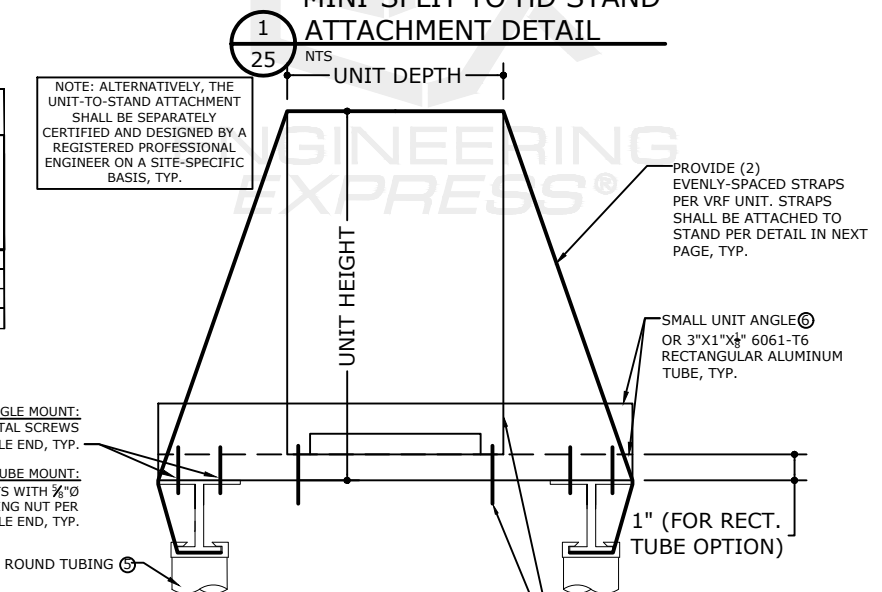
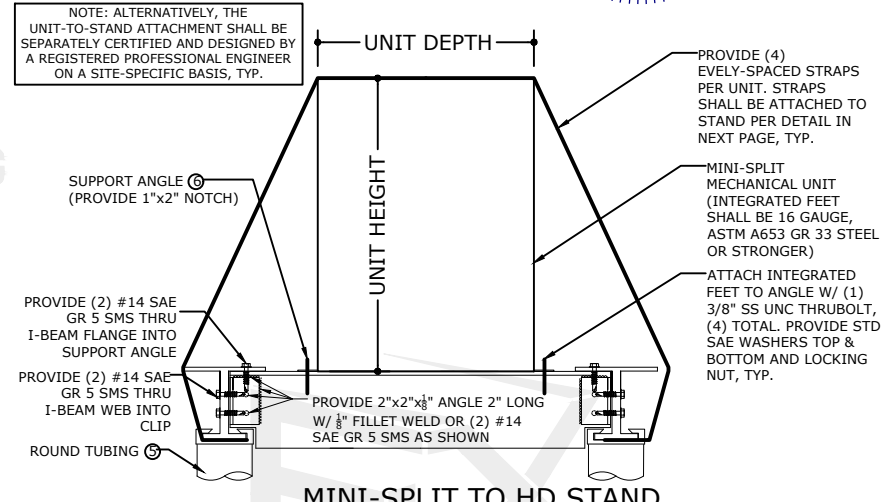
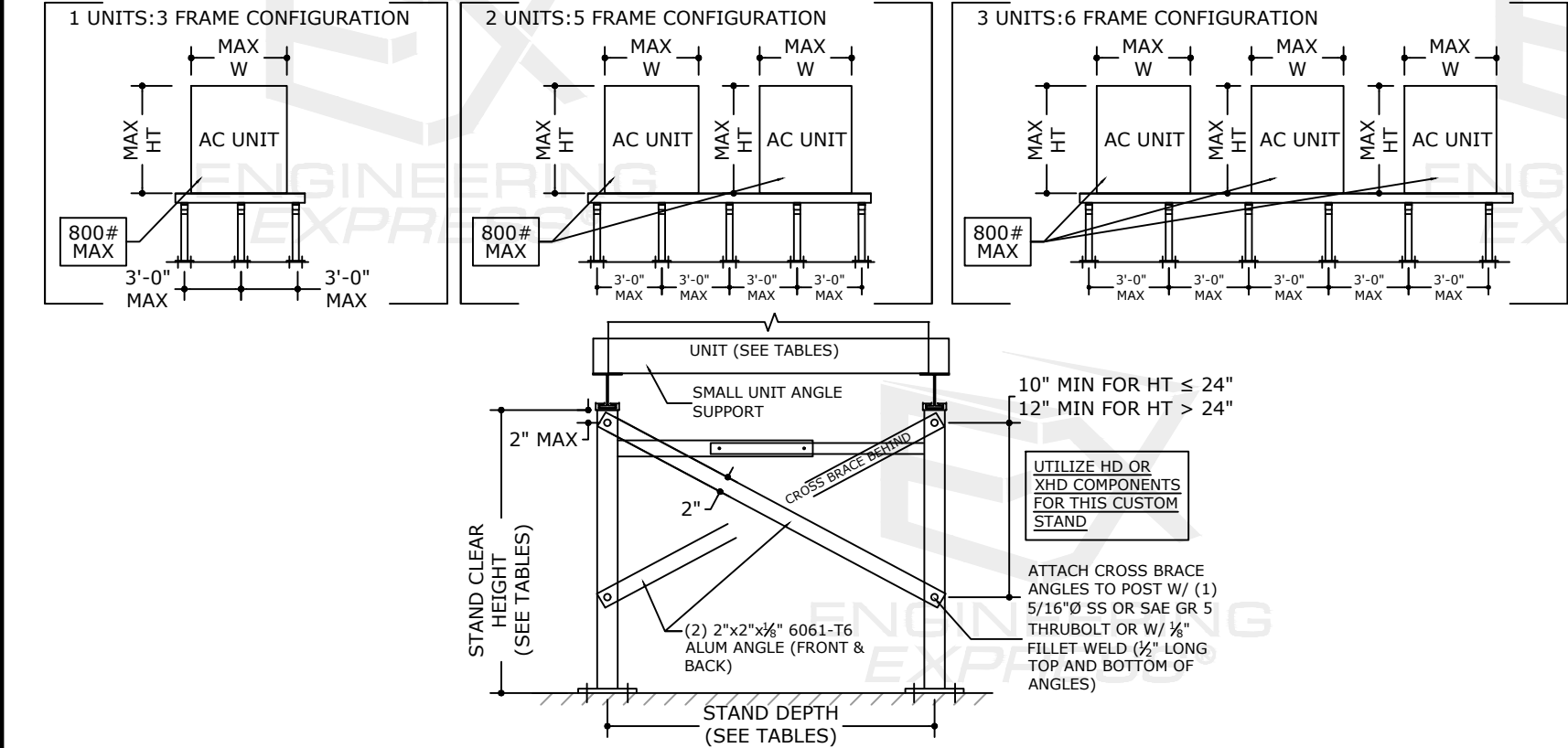
24"-36" STAND DEPTH (SPECIAL MINI-SPLIT OPTION) SCHEDULE NOTE: SEE DETAIL HEREIN FOR MINI-SPLIT UNIT TO STAND ATTACHMENT. ALTERNATIVELY, THE UNIT-TO-STAND ATTACHMENT SHALL BE SEPARATELY CERTIFIED AND DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS, TYP.

"XHD CUSTOM CROSS-BRACE" STAND DESIGN SCHEDULE

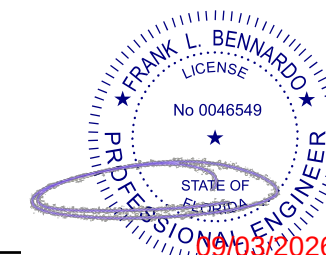
36" STAND DEPTH (SPECIAL VRF OPTION):														LOAD TRANSFER INFORMATION FOR USE WITH HOST STRUCTURE VERIFICATION ONLY			
UNIT DIMENSIONS (W x D x H)	STAND CLEAR HEIGHT	UNIT TO FRAME RATIO												MAX. BASE MOMENT (M)	MAX. BASE SHEAR (V)	MAX. BASE UPLIFT (T)	MAX. BASE GRAVITY (C)
		(1) UNIT: (4) FRAMES				(2) UNITS: (6) FRAMES				(3) UNITS: (9) FRAMES							
		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3		ANCHOR TYPE: 1 OR 4		ANCHORS TYPE: 2 OR 3					
		MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT	MAX ALLOWABLE LATERAL LOAD	MAX ALLOWABLE UPLIFT				
52" MAX. WIDTH 28"-32" DEPTH 74" MAX. HEIGHT	18 "	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	279.60 LB-FT	515.2 LB	1818.5 LB	1794.8 LB
	24 "	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	77.7 PSF	61.4 PSF	84.5 PSF	66.7 PSF	77.7 PSF	61.4 PSF	308.80 LB-FT	445.0 LB	1716.8 LB	1731.2 LB
	30 "	84.5 PSF	66.7 PSF	84.5 PSF	66.7 PSF	83.1 PSF	65.6 PSF	69.3 PSF	54.7 PSF	83.1 PSF	65.6 PSF	69.3 PSF	54.7 PSF	311.90 LB-FT	370.3 LB	1559.3 LB	1604.5 LB
	36 "	84.5 PSF	66.7 PSF	83.4 PSF	65.8 PSF	70.8 PSF	55.9 PSF	62.5 PSF	49.4 PSF	70.8 PSF	55.9 PSF	62.5 PSF	49.4 PSF	311.90 LB-FT	315.3 LB	1431.8 LB	1507.0 LB

36" STAND DEPTH (SPECIAL VRF OPTION) SCHEDULE NOTE: SEE DETAIL HEREIN FOR VRF UNIT TO STAND ATTACHMENT. ALTERNATIVELY, THE UNIT-TO-STAND ATTACHMENT SHALL BE SEPARATELY CERTIFIED AND DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS, TYP.

HD & XHD CUSTOM CROSS-BRACE ASSEMBLY ALLOWABLE CONFIGURATIONS:
NOTE: SEE DESIGN SCHEDULES FOR REQUIRED FRAME QUANTITIES.



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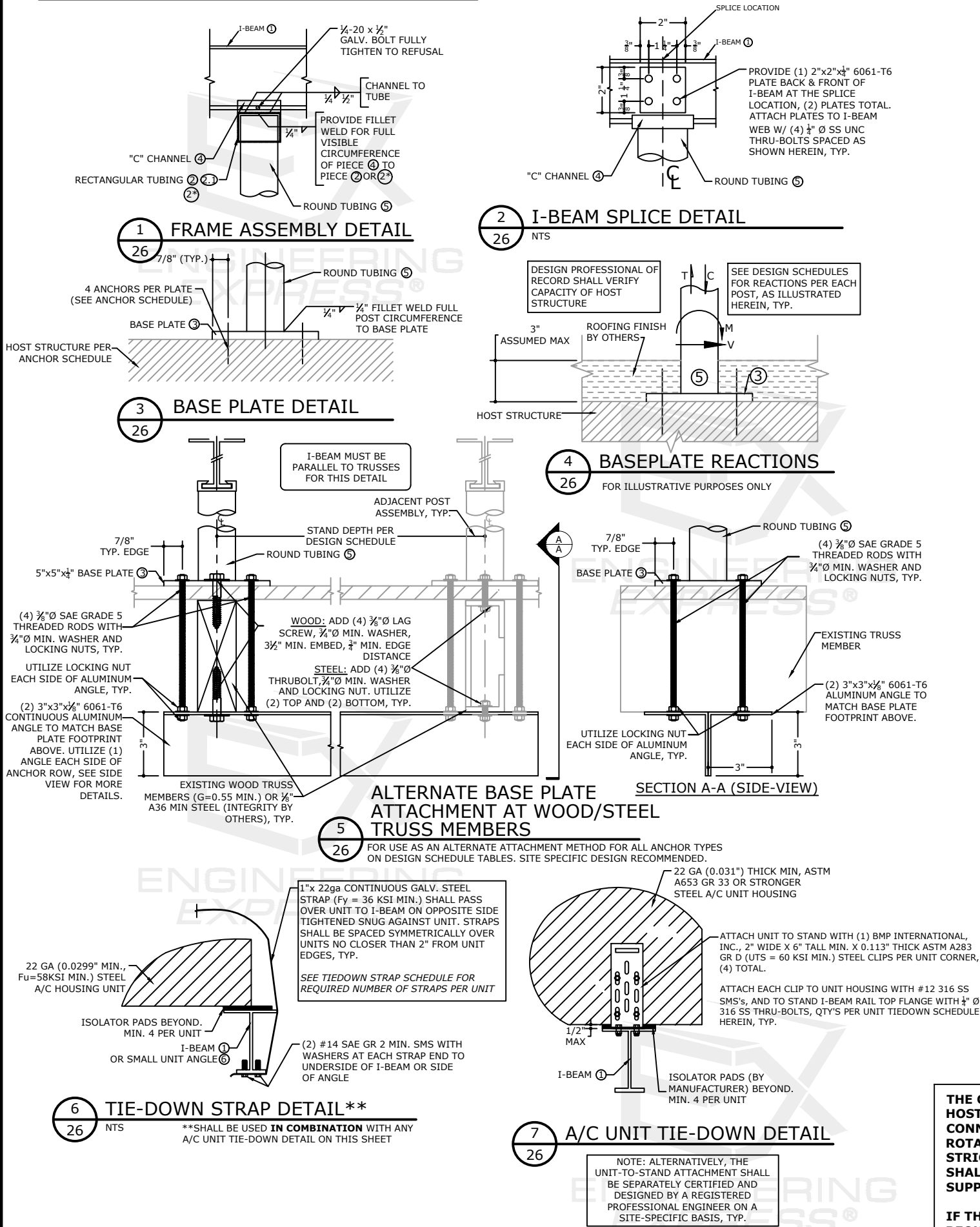
REMARKS	DATE	DRWN	CHKD	DATE	DATE
PREV. SUBMITTAL (20-32768)	12/15/20	CSL	RWN	12/08/23	
2023 FBC UPDATE & TECH. CHANGES		MRT	RWN	08/13/26	
2026 FBC UPDATE & TECH. CHANGES		MRT	EPR		

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FRAME ASSEMBLY & UNIT TIE-DOWN DETAILS:



UNIT TIE-DOWN SCHEDULE				
MAX. UNIT HEIGHT	MAX. ASD LATERAL WIND PRESSURE	MAX. ASD UPLIFT WIND PRESSURE	NUMBER OF #12 316 SS SMS REQUIRED FOR CLIP-TO-UNIT HOUSING ATTACHMENT, PER CLIP	NUMBER OF 1/4" 316 SS UNC THRU-BOLTS REQUIRED FOR CLIP TO STAND I-BEAM RAIL ATTACHMENT, PER CLIP
36 in	80 PSF	63 PSF	(3)	(2)
	200 PSF	157 PSF	(7)	(4)
48 in	75 PSF	59 PSF	(4)	(2)
	131 PSF	103 PSF	(7)	(4)
74 in *	76.5 PSF	60.4 PSF	(7)	(4)

*FOR APPLICATION WITH HD CUSTOM "CROSS BRACE" STAND SCHEDULE ONLY. PROVIDE (2) TIEDOWN STRAPS AS PER DETAIL HEREIN FOR THIS APPLICATION, TYP.

ADDITIONALLY, SEE REQUIRED TIE-DOWN STRAPS PER STRAP SCHEDULE BELOW.

SPECIAL VRF OPTION FOR APPLICATION WITH XHD STANDS WITH CUSTOM "CROSS BRACE" ONLY. (SEE PREVIOUS PAGE): PROVIDE (2) TIE-DOWN STRAPS PER VRF UNIT AS PER THE PREVIOUS PAGE, TYP.

TIEDOWN STRAP SCHEDULE

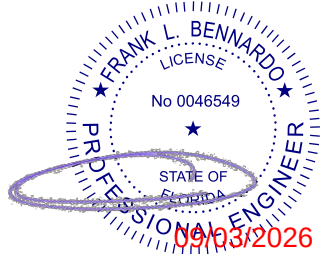
MAX UNIT HEIGHT (in)	MIN UNIT DEPTH (in)	MAX LATERAL PRESSURE (psf)	NO. OF STRAPS REQUIRED (PER UNIT)
UP TO 24	12-19	UP TO 80	0
		UP TO 120	0
		UP TO 200	2
	20	UP TO 80	0
		UP TO 120	0
UP TO 30	12-19	UP TO 80	0
		UP TO 120	2
		UP TO 200	2
	20	UP TO 80	0
		UP TO 120	0
UP TO 36	12-19	UP TO 80	0
		UP TO 120	2
		UP TO 200	3
	20	UP TO 80	0
		UP TO 120	0
UP TO 40	14-23	UP TO 80	0
		UP TO 120	2
		UP TO 200	3
	24	UP TO 80	0
		UP TO 120	2
UP TO 48	16-23	UP TO 80	3
		UP TO 120	4
		UP TO 200	5
	24	UP TO 80	0
		UP TO 120	2
UP TO 54	16-23	UP TO 80	4
		UP TO 120	5
		UP TO 200	6
	24	UP TO 80	2
		UP TO 120	3
UP TO 60	SITE SPECIFIC DESIGN REQUIRED		

TIEDOWN STRAP SCHEDULE NOTE:
SEE DETAIL AT PREVIOUS PAGE FOR SPECIAL TIEDOWN CONFIGURATION FOR MINI-SPLIT UNITS, TYP.

THE CONNECTION OF THE AC STAND TO THE SUPPORTING HOST STRUCTURE IS ASSUMED TO BE A RIGID CONNECTION. THE INSTALLER SHALL ENSURE THAT ANY ROTATION OF THE SUPPORTING HOST STRUCTURE IS STRICTLY PREVENTED. IN ADDITION, THE INSTALLER SHALL ENSURE THE HOST STRUCTURE CAN ADEQUATELY SUPPORT THE REACTIONS PROVIDED IN THIS APPROVAL.

IF THE INSTALLER IS UNABLE TO VERIFY THESE REQUIREMENTS, THE BUILDING OFFICIAL SHALL REQUIRE A SITE SPECIFIC EVALUATION TO ENSURE STAND STABILITY.

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ANCHOR SCHEDULE

FOR USE WITH DETAIL 3 ON THIS SHEET ONLY

ANCHOR TYPE	HOST STRUCTURE	ANCHOR DESCRIPTION
1	STEEL	(4) 3/8"Ø SAE GRADE 2 GALVANIZED BOLTS W/ NUT & 3/4"Ø MIN. WASHER, TO STRUCTURAL A36 STEEL MEMBERS (3/16" MIN HOST THICKNESS)
2	CONCRETE (3KSI MIN.)	(4) 3/8"Ø DEWALT SCREW-BOLT+ CONCRETE ANCHORS OR EQUIVALENT WITH 2-1/2" EMBEDMENT & 3" MIN EDGE DISTANCE, SPACING PER THE FOLLOWING = (BASE PLATE WIDTH - 1.75").
2A **	CONCRETE (5KSI MIN.)	(4) 1/2"Ø DEWALT MINI DROPIN CONCRETE ANCHORS WITH 1" EMBEDMENT & 6" MIN EDGE DISTANCE, SPACING PER THE FOLLOWING = (BASE PLATE WIDTH - 1.75").
2B **	CONCRETE (5KSI MIN.)	(4) 3/8"Ø DEWALT MINI DROPIN CONCRETE ANCHORS WITH 3/4" EMBEDMENT & 6" MIN EDGE DISTANCE, SPACING PER THE FOLLOWING = (BASE PLATE WIDTH - 1.75").
3	WOOD	SEE DETAIL 5/17: USE DETAIL 3/17 FOR GROUND MOUNT ONLY WHEN APPROVED BY EOR/BUILDING OFFICIAL (SEE NOTES BELOW). (4)-3/8Ø LAG SCREWS w/WASHER, 2-1/2" THREAD PENETRATION, 2" EDGE DISTANCE.
4	STEEL	(4) 5/16" SAE GRADE 5 SHEET METAL SCREWS WITH 5/8"Ø MIN. WASHER TO STRUCTURAL A36 STEEL MEMBERS (3/16" MIN HOST THICKNESS)

ANCHOR OPTION 2A NOTE
FOR ANCHOR OPTION 2A, MAXIMUM ALLOWABLE PRESSURES LISTED IN DESIGN SCHEDULES (ANCHOR TYPE: 2 OR 3) SHALL BE MULTIPLIED BY THE FOLLOWING FACTORS:

STD STAND = 0.50
HD STAND & HD CUSTOM BRACE STAND = 0.50
XHD STAND = 0.65
FIXED-HD = 0.60

ANCHOR OPTION 2B NOTE
FOR ANCHOR OPTION 2B, MAXIMUM ALLOWABLE PRESSURES LISTED IN DESIGN SCHEDULES (ANCHOR TYPE: 2 OR 3) SHALL BE MULTIPLIED BY THE FOLLOWING FACTORS:

STD STAND = 0.50
HD STAND & HD CUSTOM BRACE STAND = 0.50
XHD STAND = 0.50
FIXED-HD = 0.50

ANCHOR NOTES:

- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE FOR EACH ANCHOR.
- ALL CONCRETE SUBSTRATE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI, U.N.O. CONCRETE SUBSTRATE THICKNESS SHALL BE GREATER THAN OR EQUAL TO 1.5xANCHOR EMBEDMENT. INSTALL CONCRETE ANCHORS TO UN-CRACKED CONCRETE ONLY.
- MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES ROOFING FINISHES.
- WHERE EXISTING STRUCTURE IS WOOD TRUSSES, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD TRUSS MEMBERS, NOT INTO PLYWOOD.

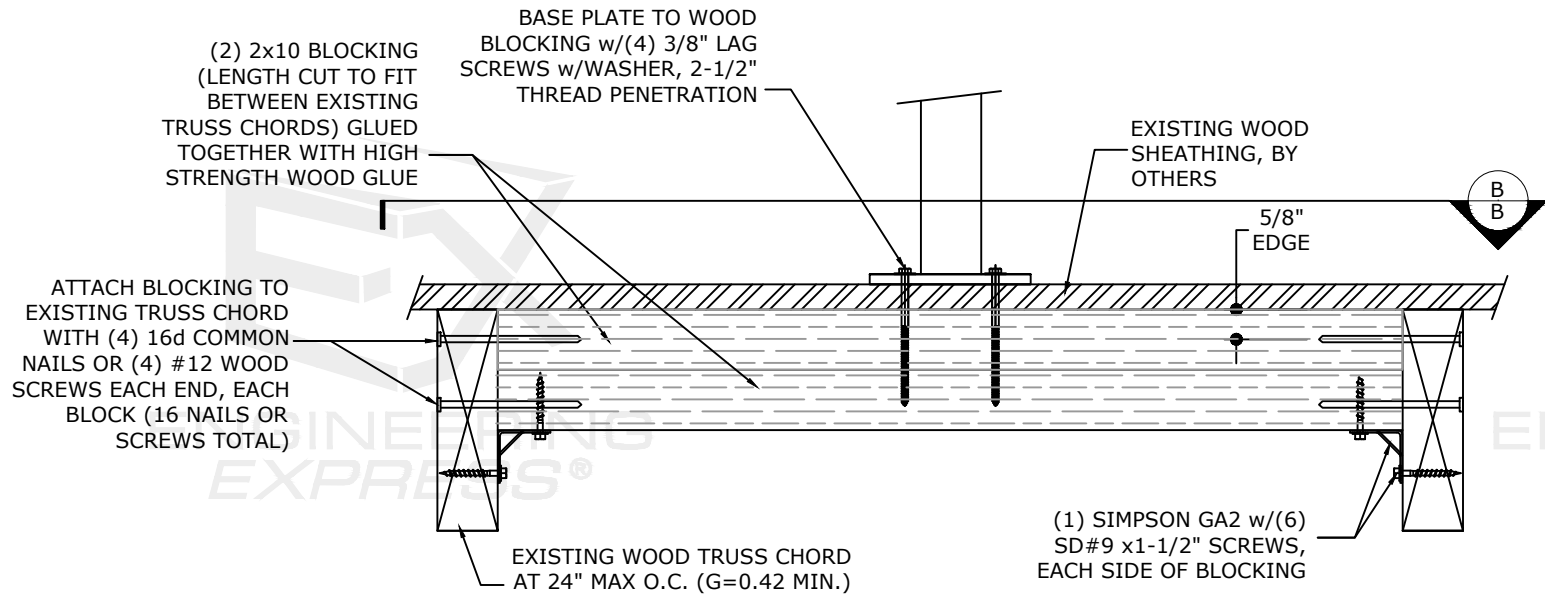
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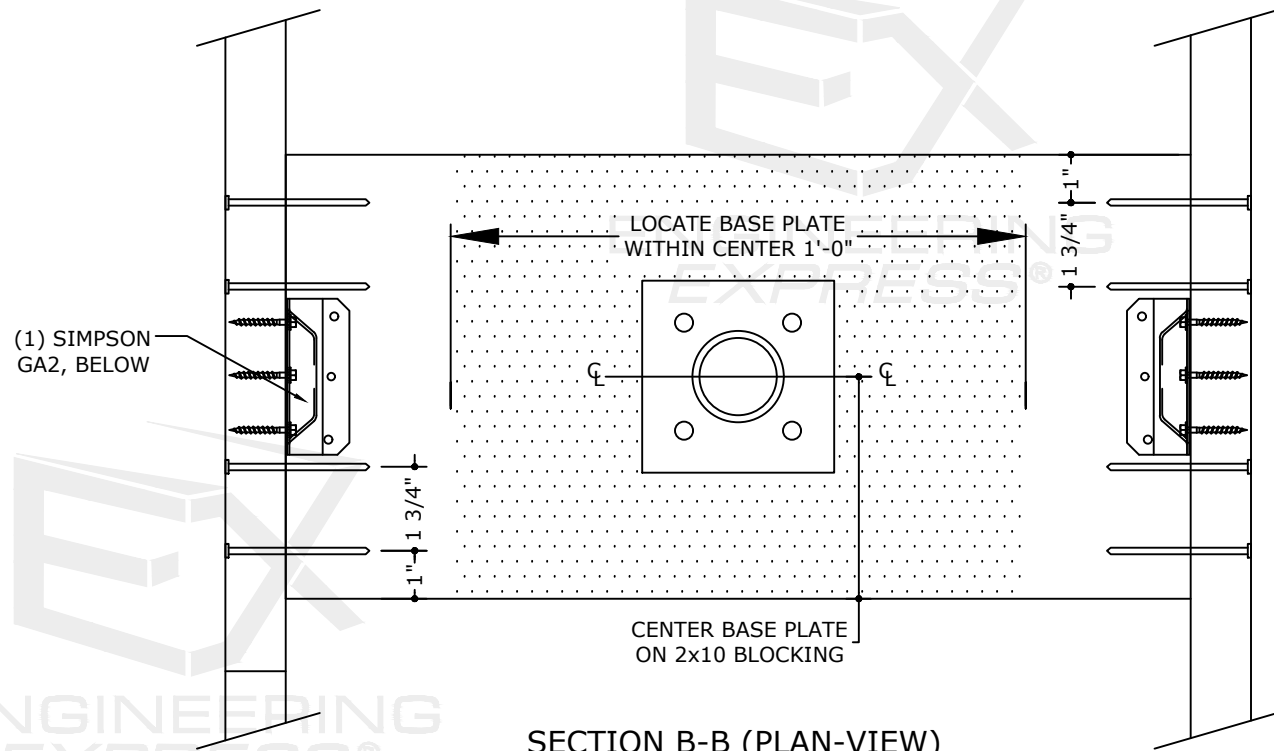
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SECTION A-A (SECTION-VIEW)



SECTION B-B (PLAN-VIEW)

ALTERNATE BASE PLATE ATTACHMENT AT WOOD TRUSS MEMBERS

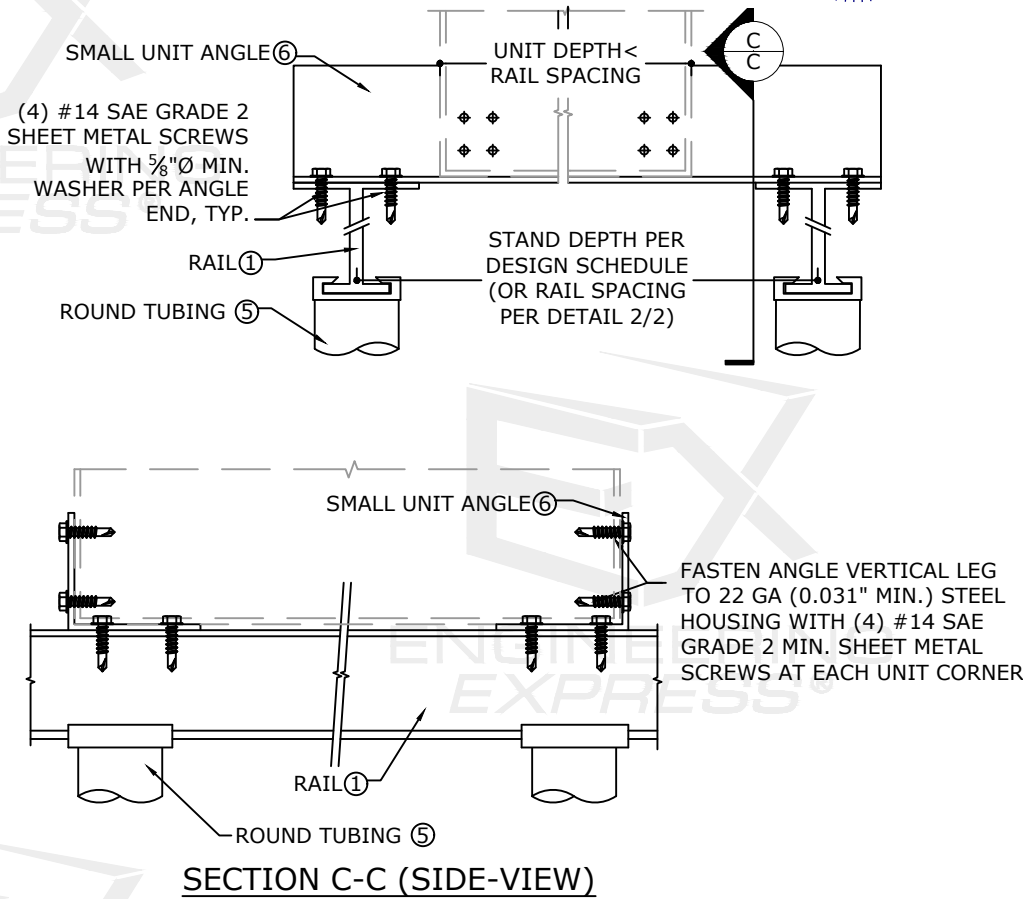
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NOTE: USE OF THIS DETAIL IS RESTRICTED TO FOLLOWING:

- APPLICABLE FOR ALL THE STAND TYPES: STD, HD, XHD & FIXED-HD
- LIMITED TO 60% OF THE ALLOWABLE DESIGN PRESSURE LISTED IN THE DESIGN TABLES.

EXAMPLE: MAX ALLOWABLE (ASD) LATERAL LOAD PER DESIGN SCHEDULES = 95 PSF
MAX ALLOWABLE (ASD) UPLIFT LOAD PER DESIGN SCHEDULE = 70 PSF

MAX ALLOWABLE (ASD) LATERAL LOAD PER DETAIL = 95 PSF x (0.60) = 57 PSF
MAX ALLOWABLE (ASD) UPLIFT LOAD PER DETAIL = 70 PSF x (0.60) = 42 PSF



SECTION C-C (SIDE-VIEW)

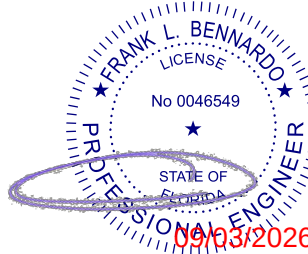
SMALL UNIT ANGLE ATTACHMENT DETAIL

2
27 NTS

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IF THE INSTALLER IS UNABLE TO VERIFY THESE REQUIREMENTS, THE BUILDING OFFICIAL SHALL REQUIRE A SITE SPECIFIC EVALUATION TO ENSURE STAND STABILITY.

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2026 FBC UPDATE & TECH. CHANGES	MRT	EPR	08/13/26

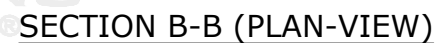
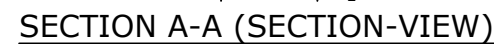
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NOTE: USE OF THIS DETAIL IS RESTRICTED TO FOLLOWING:

- MAX ALLOWABLE (ASD) LATERAL LOAD PER DETAIL = 95 PSF x (0.60) = 57 PSF
MAX ALLOWABLE (ASD) UPLIFT LOAD PER DETAIL = 70 PSF x (0.60) = 42 PSF



THE CONNECTION OF THE AC STAND TO THE SUPPORTING HOST STRUCTURE IS ASSUMED TO BE A RIGID CONNECTION. THE INSTALLER SHALL ENSURE THAT ANY ROTATION OF THE SUPPORTING HOST STRUCTURE IS STRICTLY PREVENTED. IN ADDITION, THE INSTALLER SHALL ENSURE THE HOST STRUCTURE CAN ADEQUATELY SUPPORT THE REACTIONS PROVIDED IN THIS APPROVAL.

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