

SOLARA ADJUSTABLE PATIO COVER

ALUMINUM LOUVERED CANOPY

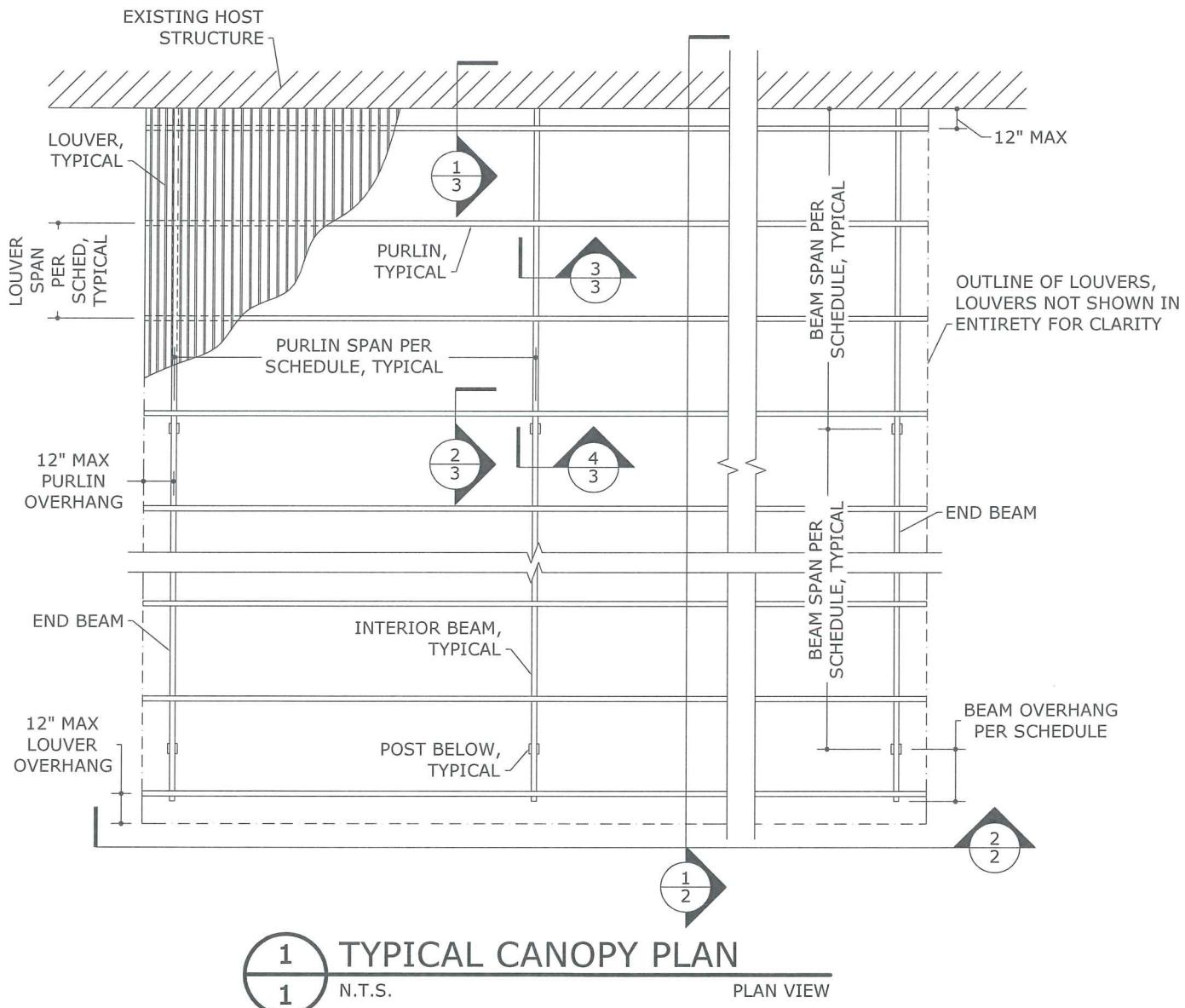
FRANK L. BENNARDO, P.E.
PE0046549

03/07/2011

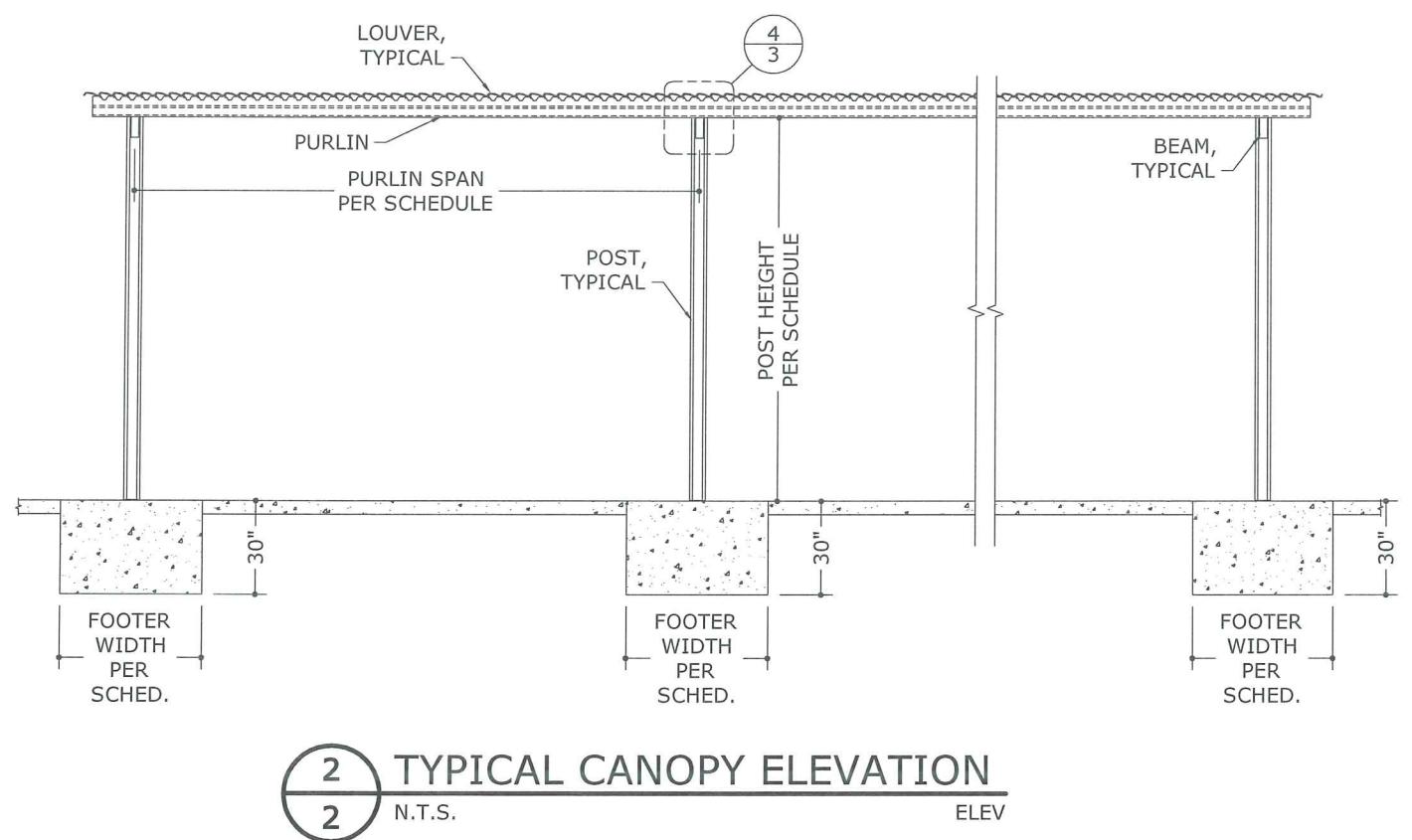
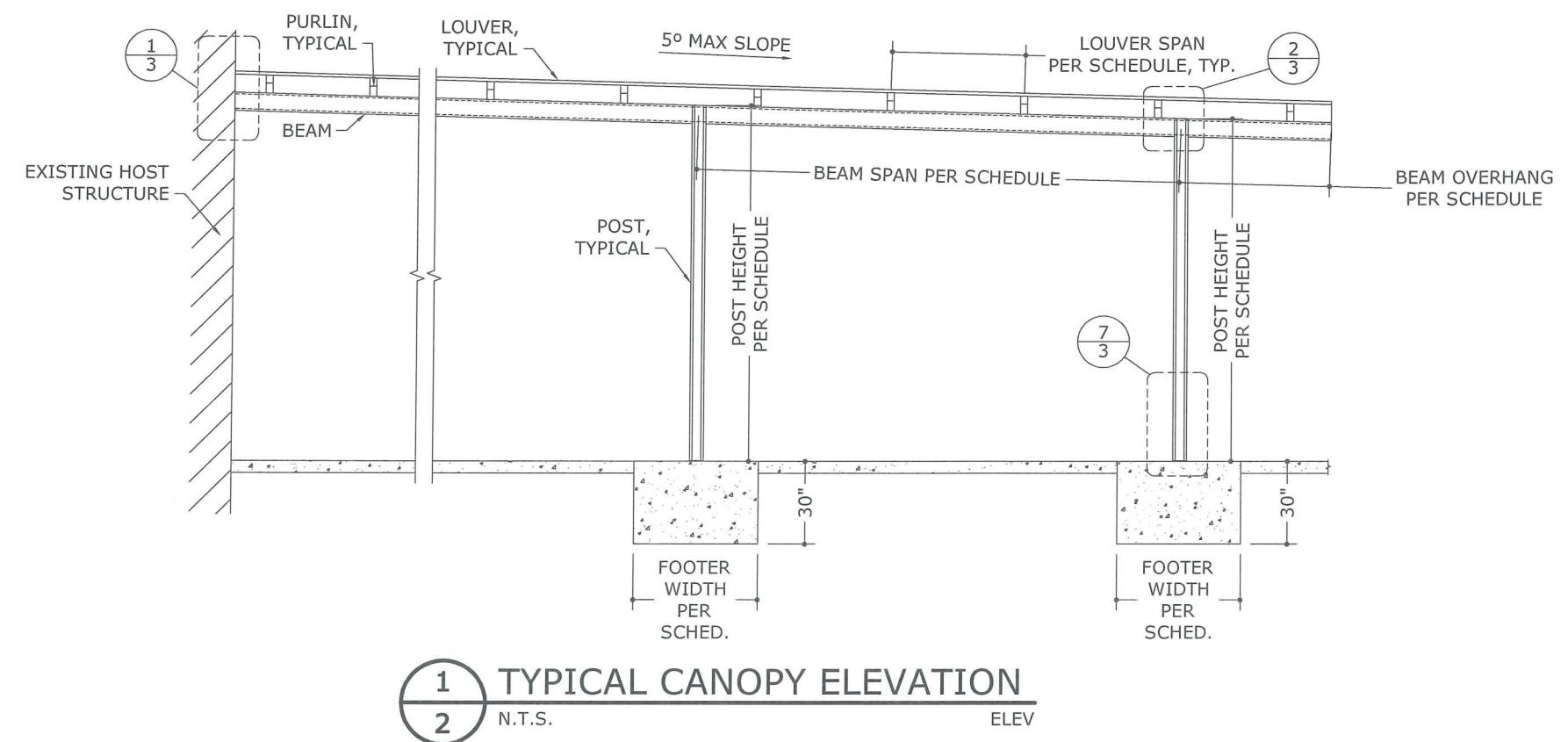
VALID FOR (1) JOB(s) ONLY
VALID ONLY WITH RAISED ENGINEER SEAL

GENERAL NOTES

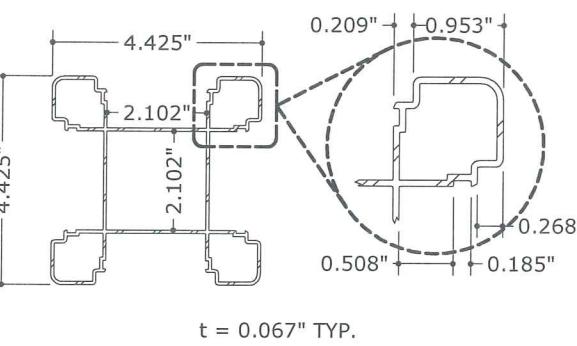
1. THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING CODE 2007 FLORIDA BUILDING CODE WITH 2009 SUPPLEMENTS.
 2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
 3. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
 4. LOUVER SYSTEM HINGES AND OPERABILITY ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION.
 5. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE AS NOTED HEREIN. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
 6. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
 7. ALUMINUM WELDING SHALL BE PERFORMED IN ACCORDANCE WITH 2007 FBC SECTION 2003.8.1.4 WITH WELD FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL PART I-A, TABLE 7.3.1. SUGGESTED WELD FILLER: 5356 ELECTRODES. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN FBC SECTION 2003.2 AND THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM (D1.2); STEEL WELDING SHALL BE WITH E70 ELECTRODES AND PERFORMED IN ACCORDANCE WITH ANSI/AISC 360-05. MINIMUM WELD IS 1/4" THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.
 8. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS.
 9. ALL ALUMINUM SHALL BE 6063-T6 ALLOY AND TEMPER AND ALL STEEL SHALL BE GALVANIZED STEEL WITH A MINIMUM TENSILE YIELD STRESS OF $F_y = 50$ ksi, UNLESS NOTED OTHERWISE.
 10. ALL CONCRETE AND EPOXY TO REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS.
 11. STEEL REINFORCEMENT: ALL REINFORCEMENT SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A615, GRADE 60 (U.N.O.), FREE FROM OIL, LOOSE SCALE AND LOOSE RUST; AND BENT, LAPPED, PLACED, SUPPORTED AND FASTENED ACCORDING TO THE "ACI DETAILING MANUAL" AND ACI 318. ALL STEEL SHALL BE SECURELY HELD IN PLACE DURING POURING OF CONCRETE. IF REQUIRED, ADDITIONAL BARS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS.
 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSULATING DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
 13. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
 14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.



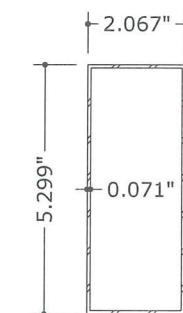
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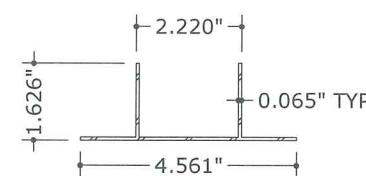
ARISTOCRAT PRODUCTS MFG, INC.  EX ENGINEERING EXPRESS® 4745 WADSWORTH AVENUE DAYTON, OH 45414 PHONE: (937) 278 - 5706 FAX: (937) 278 - 5705																											
SOLARA ALUMINUM LOUVERED CANOPIES MASTER PLAN SHEET																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">REMARKS</th> <th style="text-align: left; padding: 2px;">DRWN CHKD</th> <th style="text-align: left; padding: 2px;">DATE</th> </tr> <tr> <th style="text-align: left; padding: 2px;">INIT ISSUE</th> <th style="text-align: left; padding: 2px;">KL</th> <th style="text-align: left; padding: 2px;">FLB</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">03/01/11</td> </tr> <tr> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> </tr> <tr> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> </tr> <tr> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> </tr> <tr> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> </tr> <tr> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> <td style="text-align: left; padding: 2px;">-</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">THIS DOCUMENT IS THE PROPERTY OF FRANK L. BENNARDO, P.E. AND SHALL NOT BE REPRODUCED, ANNULED OR PART WITHOUT WRITTEN CONSENT OF FRANK L. BENNARDO, P.E. ALL ILLUSTRATIONS, ADDITIONS, HIGHLIGHTS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND ARE UNLAWFUL EXCERPTIONS TO CERTIFICATION.</p> 				REMARKS	DRWN CHKD	DATE	INIT ISSUE	KL	FLB	-	-	03/01/11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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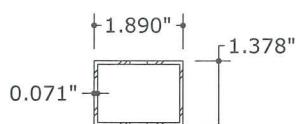
4 POST
N.T.S. 6063-T5 ALUM



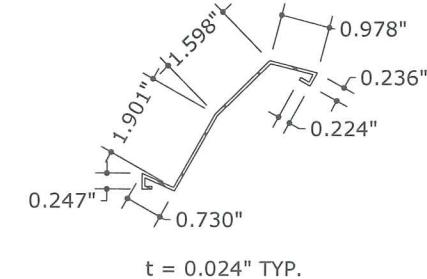
5 BEAM
N.T.S. 6005-T5 ALUM



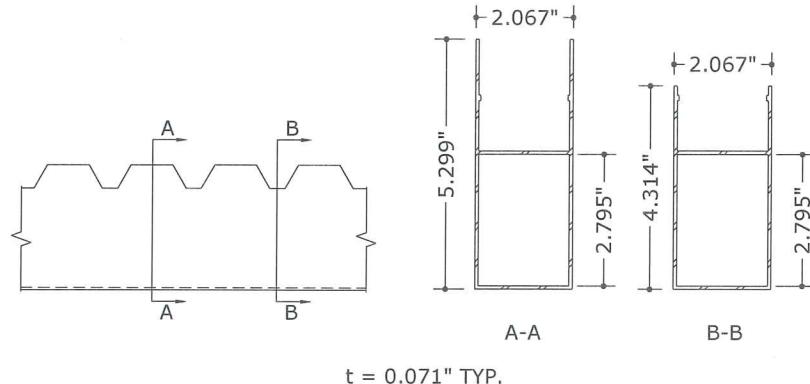
PURLIN BRACKET
7 N.T.S. 6063-T5 ALUM



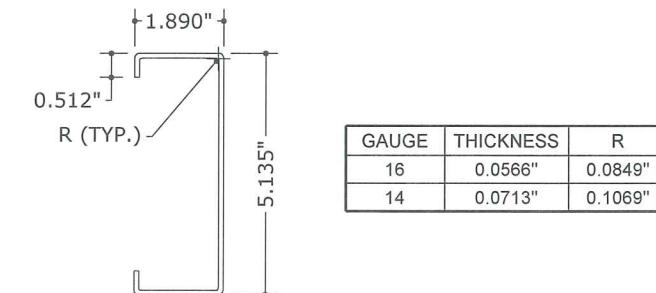
8 BEAM BRACKET



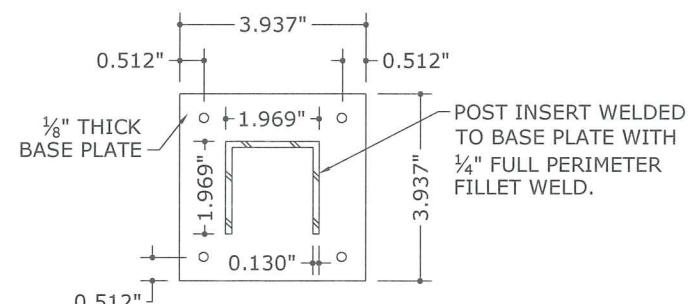
1 LOUVER
N.T.S. 6063-T6 ALUM



PURLIN
N.T.S. 6005-T5 ALUM



3 BEAM REINFORCEMENT



POST BASE

INIT	ISSUE	KL	FLB	03/01/11
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IMAGE DESCRIPTION:

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Journal of Oral Rehabilitation 2003 30: 103–109

SCHEDULE 1: DESIGN PRESSURES

BASIC WIND SPEED	EXPOSURE	VERTICAL DESIGN PRESSURES (PSF)			LATERAL DESIGN PRESSURES (PSF)
		LOUVER BLADES	BEAMS AND PURLINS	COLUMNS, FOOTERS, AND ANCHORS	
100 mph	B	+27.5 / -44.7	+25.0 / -22.1	+22.0 / -10.8	+17.6 / -11.7
	C	+29.7 / -54.4	+26.7 / -27.0	+22.0 / -13.3	+21.3 / -14.2
110 mph	B	+29.7 / -54.3	+26.7 / -27.0	+22.0 / -13.3	+21.3 / -14.2
	C	+32.4 / -66.1	+28.7 / -32.9	+22.5 / -16.4	+25.8 / -17.2
120 mph	B	+32.1 / -64.9	+28.5 / -32.3	+22.4 / -16.0	+25.4 / -16.9
	C	+35.3 / -78.9	+30.9 / -39.4	+23.5 / -19.7	+30.7 / -20.5
130 mph	B	+34.7 / -76.4	+30.5 / -38.1	+23.3 / -19.0	+29.8 / -19.8
	C	+38.5 / -92.8	+33.3 / -46.5	+24.7 / -23.3	+36.1 / -24.0
140 mph	B	+37.5 / -88.8	+32.6 / -44.4	+24.3 / -22.3	+34.5 / -23.0
	C	+41.9 / -107.8	+36.0 / -54.1	+25.9 / -27.2	+41.8 / -27.9
140 mph*	C*	+35.2 / -107.8	+32.0 / -54.1	+32.0 / -27.2	+41.8 / -27.9
146 mph*	C*	+38.1 / -117.3	+32.0 / -58.9	+32.0 / -29.7	+45.5 / -30.3

SCHEDULE 1 NOTES:

1. WIND PRESSURES HAVE BEEN DETERMINED BASED ON ASCE 7-05, ROOF OVER OPEN STRUCTURE, OBSTRUCTED WIND FLOW, IMPORTANCE FACTOR I=0.77, DIRECTIONALITY FACTOR Kd=0.85, G=0.85, Kz=0.85, Kzt=1.0, 15' MRH, 5% MAXIMUM SLOPE, ZONE 3 FOR C&C LOADS.
2. UNLESS OTHERWISE NOTED HEREIN, DESIGN PRESSURES HAVE BEEN BASED ON LOAD COMBINATIONS PER 2007 FLORIDA BUILDING CODE SECTION 1605.3.1, USING A ROOF LIVE LOAD OF 20 PSF PER 2007 FLORIDA BUILDING CODE TABLE 1607.1.
3. * INDICATES CONDITIONS DESIGNED FOR USE WITHIN THE HVHZ. ROOF LIVE LOADS OF 30 PSF HAVE BEEN USED IN DETERMINING DESIGN PRESSURES PER 2007 FLORIDA BUILDING CODE SECTION 1616.1. ROOF LIVE LOADS HAVE NOT BEEN CONSIDERED TO ACT SIMULTANEOUSLY WITH WIND LOADS PER 2007 FLORIDA BUILDING CODE SECTION 1620.4.

SCHEDULE 3: PURFLIN SPANS

BASIC WIND SPEED	EXPOSURE	LOUVER SPAN	ALLOWABLE PURFLIN SPAN
100 mph	B	30"	144.00"
		36"	134.50"
		42"	124.52"
		48"	116.48"
	C	30"	141.70"
		36"	129.35"
		42"	119.76"
		48"	112.02"
110 mph	B	30"	141.80"
		36"	129.44"
		42"	119.84"
		48"	112.10"
	C	30"	128.32"
		36"	117.14"
		42"	108.45"
		48"	101.45"
120 mph	B	30"	129.52"
		36"	118.24"
		42"	109.47"
		48"	102.40"
	C	30"	117.29"
		36"	107.07"
		42"	99.13"
		48"	92.72"

SCHEDULE 3 NOTES:

1. UNLESS OTHERWISE NOTED, DEFLECTION LIMIT OF L/60 USED FOR DETERMINATION OF ALLOWABLE SPANS PER 2007 FLORIDA BUILDING CODE TABLE 1604.3 FOOTNOTE h.
2. UNLESS OTHERWISE NOTED HEREIN, WIND LOAD HAS BEEN MULTIPLIED BY 0.7 PER 2007 FLORIDA BUILDING CODE TABLE 1604.3 FOOTNOTE f FOR THE DETERMINATION OF DEFLECTIONS..
3. * INDICATES CONDITIONS DESIGNED FOR USE WITHIN THE HVHZ. NO REDUCTION IN WIND LOAD HAS BEEN TAKEN IN THE DETERMINATION OF THE DEFLECTIONS FOR THESE CONDITIONS. DEFLECTION LIMIT USED FOR THESE CONDITIONS IS L/180, PER 2007 FLORIDA BUILDING CODE SECTION 1613.1.6.

SCHEDULE 2: LOUVER SPANS

BASIC WIND SPEED	EXPOSURE	ALLOWABLE LOUVER SPAN
100 mph	B	48.0"
	C	46.1"
110 mph	B	46.1"
	C	41.8"
120 mph	B	42.2"
	C	38.3"
130 mph	B	38.9"
	C	35.3"
140 mph	B	36.1"
	C	32.7"
140 mph*	C*	32.7" *
146 mph*	C*	31.4" *

SCHEDULE 2 NOTES:

1. DEFLECTION LIMIT OF L/60 USED FOR DETERMINATION OF ALLOWABLE LOUVER SPANS PER THE 2005 ALUMINUM DESIGN MANUAL.
2. UNLESS OTHERWISE NOTED HEREIN, WIND LOAD HAS BEEN MULTIPLIED BY 0.7 PER 2007 FLORIDA BUILDING CODE TABLE 1604.3 FOOTNOTE f FOR THE DETERMINATION OF DEFLECTIONS.
3. * INDICATES CONDITIONS DESIGNED FOR USE WITHIN THE HVHZ. NO REDUCTION IN WIND LOAD HAS BEEN TAKEN IN THE DETERMINATION OF THE DEFLECTIONS FOR THESE CONDITIONS.

SCHEDULE 4: UNREINFORCED BEAM SPANS

BASIC WIND SPEED	EXPOSURE	PURFLIN SPAN	INTERIOR BEAM		END BEAM	
			MAXIMUM ALLOWABLE SPAN	MAXIMUM OVERHANG	MAXIMUM ALLOWABLE SPAN	MAXIMUM OVERHANG
100 mph	B	60"	144.98"	48.00"	173.29"	48.00"
		72"	132.35"	48.00"	162.10"	48.00"
		84"	122.53"	48.00"	152.83"	48.00"
		96"	114.62"	45.62"	144.98"	48.00"
		108"	108.06"	40.55"	138.24"	48.00"
		120"	102.52"	36.49"	132.35"	48.00"
		132"	97.75"	33.18"	127.16"	48.00"
		144"	93.59"	30.41"	122.53"	48.00"
		60"	139.44"	48.00"	166.66"	48.00"
		72"	127.29"	48.00"	155.89"	48.00"
		84"	117.85"	48.00"	146.98"	48.00"
		96"	110.23"	42.19"	139.44"	48.00"
110 mph	B	108"	103.93"	37.50"	132.95"	48.00"
		120"	98.60"	33.75"	127.29"	48.00"
		132"	94.01"	30.69"	122.29"	48.00"
		60"	139.54"	48.00"	166.78"	48.00"
		72"	127.38"	48.00"	156.01"	48.00"
		84"	117.93"	48.00"	147.08"	48.00"
		96"	110.31"	42.25"	139.54"	48.00"
		108"	104.00"	37.56"	133.04"	48.00"
		120"	98.67"	33.80"	127.38"	48.00"
		132"	94.08"	30.73"	122.38"	48.00"
		60"	126.27"	48.00"	150.93"	48.00"
		72"	115.27"	46.14"	141.18"	48.00"
120 mph	B	84"	106.72"	40.29"	134.35"	48.00"
		96"	100.76"	35.25"	127.46"	48.00"
		108"	95.00"	31.34"	121.53"	48.00"
		120"	90.13"	28.20"	116.35"	47.01"
		60"	115.42"	46.25"	137.95"	48.00"
		72"	105.36"	38.54"	129.04"	48.00"
		84"	97.54"	33.04"	121.66"	48.00"
		96"	91.24"	28.91"	115.42"	46.25"
		108"	86.03"	25.70"	110.05"	42.05"
		60"	117.33"	47.80"	140.24"	48.00"
		72"	107.11"	39.83"	131.18"	48.00"
		84"	99.16"	34.14"	123.68"	48.00"
130 mph	B	96"	92.78"	29.88"	117.33"	47.80"
		108"	87.45"	26.56"</		

SCHEDULE 5: BEAM SPANS W/ 16GA REINFORCEMENT

BASIC WIND SPEED	EXPOSURE	PURLIN SPAN	INTERIOR BEAM		END BEAM	
			MAXIMUM ALLOWABLE SPAN	MAXIMUM OVERHANG	MAXIMUM ALLOWABLE SPAN	MAXIMUM OVERHANG
100 mph	B	60"	198.35"	48.00"	237.07"	48.00"
		72"	181.07"	48.00"	221.76"	48.00"
		84"	167.64"	48.00"	209.08"	48.00"
		96"	156.81"	48.00"	198.35"	48.00"
		108"	147.84"	48.00"	189.12"	48.00"
		120"	140.25"	48.00"	181.07"	48.00"
		132"	133.73"	48.00"	173.96"	48.00"
	C	144"	128.03"	48.00"	167.64"	48.00"
		60"	190.76"	48.00"	228.00"	48.00"
		72"	174.14"	48.00"	213.28"	48.00"
		84"	161.22"	48.00"	201.08"	48.00"
		96"	150.81"	48.00"	190.76"	48.00"
		108"	142.18"	48.00"	181.88"	48.00"
		120"	134.89"	48.00"	174.14"	48.00"
110 mph	B	132"	128.61"	48.00"	167.31"	48.00"
		60"	190.90"	48.00"	228.17"	48.00"
		72"	174.26"	48.00"	213.43"	48.00"
		84"	161.34"	48.00"	201.22"	48.00"
		96"	150.92"	48.00"	190.90"	48.00"
		108"	142.29"	48.00"	182.01"	48.00"
		120"	134.98"	48.00"	174.26"	48.00"
	C	132"	128.70"	48.00"	167.43"	48.00"
		60"	172.75"	48.00"	206.48"	48.00"
		72"	157.70"	48.00"	193.14"	48.00"
		84"	146.00"	48.00"	182.10"	48.00"
		96"	136.57"	48.00"	172.75"	48.00"
		108"	128.76"	48.00"	164.71"	48.00"
		120"	122.16"	48.00"	157.70"	48.00"
120 mph	B	60"	174.37"	48.00"	208.41"	48.00"
		72"	159.18"	48.00"	194.95"	48.00"
		84"	147.37"	48.00"	183.80"	48.00"
		96"	137.85"	48.00"	174.37"	48.00"
		108"	129.97"	48.00"	166.26"	48.00"
		120"	123.30"	48.00"	159.18"	48.00"
	C	60"	157.90"	48.00"	188.72"	48.00"
		72"	144.14"	48.00"	176.54"	48.00"
		84"	133.45"	48.00"	166.44"	48.00"
		96"	124.83"	48.00"	157.90"	48.00"
		108"	117.69"	48.00"	150.55"	48.00"
130 mph	B	60"	160.52"	48.00"	191.86"	48.00"
		72"	146.53"	48.00"	179.46"	48.00"
		84"	135.66"	48.00"	169.20"	48.00"
		96"	126.90"	48.00"	160.52"	48.00"
		108"	119.64"	48.00"	153.05"	48.00"
	C	60"	145.43"	48.00"	173.82"	48.00"
		72"	132.75"	48.00"	162.59"	48.00"
		84"	122.91"	48.00"	153.29"	48.00"
		96"	114.97"	45.90"	145.43"	48.00"
		108"	108.39"	40.80"	138.66"	48.00"
140 mph	B	60"	148.73"	48.00"	177.77"	48.00"
		72"	135.77"	48.00"	166.29"	48.00"
		84"	125.70"	48.00"	156.78"	48.00"
		96"	117.58"	48.00"	148.73"	48.00"
		108"	110.86"	42.67"	141.81"	48.00"
	C	60"	134.80"	48.00"	161.12"	48.00"
		72"	123.05"	48.00"	150.71"	48.00"
		84"	113.93"	45.07"	142.09"	48.00"
		96"	106.57"	39.43"	134.80"	48.00"
140 mph*	C*	60"	123.53"	45.23"	139.13"	48.00"
		72"	116.25"	41.29"	133.07"	48.00"
		84"	110.43"	38.22"	127.95"	47.67"
146 mph*	C*	60"	120.05"	43.33"	135.21"	48.00"
		72"	112.97"	39.55"	129.32"	48.00"

SCHEDULE 5 NOTES:

1. SCHEDULE 5 IS APPLICABLE FOR BEAMS WITH 16GA REINFORCEMENT FOR THE FULL LENGTH OF THE BEAM.
2. END BEAMS AND INTERIOR BEAMS ARE AS DEFINED IN PLAN VIEW 1/1.
3. UNLESS OTHERWISE NOTED, DEFLECTION LIMIT OF L/60 USED FOR DETERMINATION OF ALLOWABLE SPANS PER 2007 FLORIDA BUILDING CODE TABLE 1604.3 FOOTNOTE h.
4. UNLESS OTHERWISE NOTED HEREIN, WIND LOAD HAS BEEN MULTIPLIED BY 0.7 PER 2007 FLORIDA BUILDING CODE TABLE 1604.3 FOOTNOTE f FOR THE DETERMINATION OF DEFLECTIONS.
5. * INDICATES CONDITIONS DESIGNED FOR USE WITHIN THE HVHZ. NO REDUCTION IN WIND LOAD HAS BEEN TAKEN IN THE DETERMINATION OF THE DEFLECTIONS FOR THESE CONDITIONS. DEFLECTION LIMIT USED FOR THESE CONDITIONS IS L/180, PER 2007 FLORIDA BUILDING CODE SECTION 1613.1.6.

SCHEDULE 6: BEAM SPANS W/ 14GA REINFORCEMENT

BASIC WIND SPEED	EXPOSURE	PURLIN SPAN	INTERIOR BEAM		END BEAM	
			MAXIMUM ALLOWABLE SPAN	MAXIMUM OVERHANG	MAXIMUM ALLOWABLE SPAN	MAXIMUM OVERHANG
100 mph	B	60"	206.86"	48.00"	247.24"	48.00"
		72"	188.84"	48.00"	231.28"	48.00"
		84"	174.83"	48.00"	218.05"	48.00"
		96"	163.54"	48.00"	206.86"	48.00"
		108"	154.18"	48.00"	197.23"	48.00"
		120"	146.27"	48.00"	188.84"	48.00"
		132"	139.46"	48.00"	181.43"	48.00"
	C	144"	133.53"	48.00"	174.83"	48.00"
		60"	198.94"	48.00"	237.78"	48.00"
		72"	181.61"	48.00"	222.43"	48.00"
		84"	168.14"	48.00"	209.71"	48.00"
		96"	157.28"	48.00"	198.94"	48.00"
		108"	148.28"	48.00"	189.69"	48.00"
		120"	140.67"	48.00"	181.61"	48.00"
110 mph	B	132"	134.13"	48.00"	174.49"	48.00"
		60"	199.09"	48.00"	237.96"	48.00"
		72"	181.74"	48.00"	222.59"	48.00"
		84"	168.26"	48.00"	209.86"	48.00"
		96"	157.39"	48.00"	199.09"	48.00"
		108"	148.39"	48.00"	189.82"	48.00"
		120"	140.78"	48.00"	181.74"	48.00"
	C	132"	134.22"	48.00"	174.61"	48.00"

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VALID FOR (1) JOB(S) ONLY
VALID ONLY WITH RAISED ENGINEER SEAL**SCHEDULE 7: MAX POST HEIGHT, 100 B**

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"
4 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"
5 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"
6 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	111.35"	108.00"
7 ft	119.50"	118.21"	116.91"	115.62"	114.32"	111.66"	108.00"	108.00"	108.00"	103.68"
8 ft	108.00"	108.00"	108.00"	108.00"	108.00"	107.62"	104.36"	96.00"	96.00"	96.00"
9 ft	100.98"	99.69"	98.39"	97.10"	96.00"	96.00"	96.00"	94.40"	87.33"	
10 ft	96.00"	96.00"	95.07"	93.78"	92.48"	91.19"	89.90"	84.25"	84.00"	84.00"
11 ft	88.43"	87.13"	85.84"	84.55"	84.00"	84.00"	84.00"	80.95"	75.03"	
12 ft	84.00"	84.00"	83.42"	82.12"	80.83"	79.54"	78.24"	74.70"	68.77"	63.04"
13 ft	79.09"	77.80"	76.50"	75.21"	73.92"	72.62"	70.35"	64.38"	----	----
14 ft	73.16"	71.87"	70.58"	69.28"	67.99"	66.70"	61.47"	----	----	----
15 ft	68.03"	66.73"	65.44"	64.15"	62.85"	----	----	----	----	----
16 ft	63.53"	62.24"	60.95"	----	----	----	----	----	----	----

SCHEDULE 8: MAX POST HEIGHT, 100 C AND 110 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"
4 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"
5 ft	120.00"	120.00"	120.00"	120.00"	120.00"	119.29"	118.22"	117.15"	116.09"	108.00"
6 ft	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	104.90"
7 ft	99.55"	98.48"	97.41"	96.34"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"
8 ft	95.66"	94.59"	93.52"	92.46"	91.39"	90.32"	89.25"	88.19"	87.12"	84.00"
9 ft	84.67"	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"	83.16"	82.09"
10 ft	82.21"	81.14"	80.07"	79.01"	77.94"	76.87"	75.80"	74.74"	73.67"	70.37"
11 ft	74.44"	73.38"	72.31"	71.24"	70.17"	69.11"	68.04"	66.97"	63.52"	----
12 ft	67.97"	66.91"	65.84"	64.77"	63.70"	62.64"	61.57"	----	----	----
13 ft	62.50"	61.43"	60.36"	----	----	----	----	----	----	----

SCHEDULE 9: MAX POST HEIGHT, 110 C AND 120 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"	120.00"
4 ft	111.06"	110.18"	109.26"	108.36"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"
5 ft	104.33"	103.42"	102.52"	101.62"	100.72"	99.82"	98.91"	98.01"	97.11"	96.21"
6 ft	96.00"	96.00"	96.00"	95.72"	94.82"	93.92"	93.02"	92.12"	91.22"	90.31"
7 ft	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"	84.00"
8 ft	81.05"	80.15"	79.25"	78.34"	77.44"	76.54"	75.64"	74.74"	73.83"	72.93"
9 ft	71.74"	70.84"	69.94"	69.04"	68.14"	67.23"	66.33"	65.43"	64.53"	63.63"
10 ft	64.30"	63.40"	62.49"	61.59"	60.69"	----	----	----	----	----

SCHEDULE 10: MAX POST HEIGHT, 120 C AND 130 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"	108.00"
4 ft	96.41"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"
5 ft	90.98"	90.19"	89.40"	88.60"	87.81"	87.02"	86.22"	85.43"	84.64"	84.00"
6 ft	84.00"	84.00"	84.00"	83.58"	82.79"	81.99"	81.20"	80.41"	79.62"	78.82"
7 ft	73.34"	72.55"	71.75"	70.96"	70.17"	69.37"	68.58"	67.79"	67.00"	66.20"
8 ft	63.87"	63.08"	62.29"	61.50"	60.70"	----	----	----	----	----

SCHEDULE 11: MAX POST HEIGHT, 130 C AND 140 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"	96.00"
4 ft	87.34"	86.63"	85.92"	85.21"	84.50"	84.00"	84.00"	84.00"	84.00"	84.00"
5 ft	82.09"	81.38"	80.67"	79.96"	79.26"	78.55"	77.84"	77.13"	76.42"	75.72"
6 ft										

03/07/2011

VALID FOR (1) JOB(s) ONLY
VALID ONLY WITH RAISED ENGINEER SEAL

SCHEDULE 15: FOOTER WIDTH, 100 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	27"	28"	28"	28"	28"	29"	29"	29"	30"	30"
4 ft	29"	29"	29"	30"	30"	31"	31"	31"	32"	32"
5 ft	30"	30"	31"	31"	32"	32"	33"	33"	34"	34"
6 ft	31"	32"	32"	33"	34"	34"	35"	35"	35"	35"
7 ft	32"	33"	33"	34"	34"	35"	35"	36"	37"	37"
8 ft	32"	33"	34"	35"	35"	36"	36"	37"	38"	38"
9 ft	33"	33"	34"	35"	35"	36"	37"	38"	39"	39"
10 ft	33"	34"	35"	36"	36"	37"	38"	38"	39"	40"
11 ft	33"	34"	35"	36"	37"	38"	39"	40"	40"	41"
12 ft	33"	35"	36"	37"	38"	39"	40"	40"	41"	43"
13 ft	34"	35"	36"	37"	38"	39"	40"	41"	-----	-----
14 ft	34"	35"	36"	37"	38"	40"	40"	-----	-----	-----
15 ft	34"	35"	36"	38"	39"	-----	-----	-----	-----	-----
16 ft	34"	35"	37"	-----	-----	-----	-----	-----	-----	-----

SCHEDULE 16: FOOTER WIDTH, 100 C, 110 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	29"	30"	30"	30"	30"	31"	31"	31"	31"	31"
4 ft	30"	31"	31"	31"	32"	32"	33"	33"	33"	34"
5 ft	32"	32"	33"	33"	34"	34"	34"	35"	35"	35"
6 ft	32"	32"	33"	33"	34"	35"	35"	36"	36"	36"
7 ft	32"	32"	33"	34"	34"	35"	36"	36"	37"	37"
8 ft	33"	33"	34"	35"	35"	36"	36"	37"	38"	38"
9 ft	32"	33"	34"	35"	36"	37"	37"	38"	39"	40"
10 ft	33"	34"	35"	35"	36"	37"	38"	39"	40"	40"
11 ft	33"	34"	35"	36"	37"	38"	38"	39"	40"	-----
12 ft	33"	34"	35"	36"	37"	38"	39"	-----	-----	-----
13 ft	33"	34"	35"	-----	-----	-----	-----	-----	-----	-----

SCHEDULE 17: FOOTER WIDTH, 110 C, 120 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	30"	31"	31"	31"	32"	32"	32"	32"	33"	33"
4 ft	31"	31"	32"	32"	32"	33"	33"	33"	34"	34"
5 ft	32"	32"	32"	33"	33"	34"	34"	34"	35"	35"
6 ft	32"	33"	33"	34"	34"	35"	35"	36"	36"	37"
7 ft	32"	32"	33"	34"	34"	35"	36"	36"	37"	38"
8 ft	33"	33"	34"	34"	35"	36"	36"	37"	38"	38"
9 ft	32"	33"	34"	35"	35"	36"	37"	38"	38"	39"
10 ft	32"	33"	34"	35"	36"	-----	-----	-----	-----	-----

SCHEDULE 18: FOOTER WIDTH, 120 C, 130 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	31"	32"	32"	32"	32"	32"	33"	33"	33"	33"
4 ft	32"	32"	32"	32"	32"	33"	33"	34"	34"	34"
5 ft	32"	32"	32"	33"	33"	34"	34"	34"	35"	35"
6 ft	32"	33"	33"	34"	34"	35"	35"	36"	36"	37"
7 ft	32"	32"	33"	34"	34"	35"	35"	36"	37"	37"
8 ft	32"	32"	33"	34"	34"	35"	35"	36"	37"	38"

SCHEDULE 19: FOOTER WIDTH, 130 C, 140 B

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	30"	31"	31"	31"	32"	32"	32"	33"	33"	33"
4 ft	31"	31"	32"	32"	32"	33"	33"	34"	34"	34"
5 ft	32"	32"	33"	33"	34"	34"	34"	35"	35"	36"
6 ft	31"	32"	32"	33"	33"	34"	34"	35"	36"	36"

SCHEDULE 20: FOOTER WIDTH, 140 C

Beam Span	Purlin Span									
	3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft
3 ft	31"	32"	32"	32"	32"	32"	32"	33"	33"	33"
4 ft	32"	32"	32"	33"	33"	34"	34"	34"	35"	35"
5 ft	31"	31"	32"	32"	33"	33"	33"	34"	34"	35"

SCHEDULE 21: FOOTER WIDTH, 140 C*

Beam Span	Purlin Span									
3 ft	4 ft	5 ft	6 ft	7 ft	8 ft	9 ft	10 ft	11 ft	12 ft	

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