

Model	Series
DA-1000	DA-1200



ED-16076 Product 1198 Rev 3 – 19 January 2016

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Section 1: Introduction

This manual explains the installation of Daktronics outdoor decorative accents. This manual is not specific to a particular installation.

IMPORTANT SAFEGUARDS

- Read and understand all instructions before beginning the installation process.
- Do not modify the structure or attach any panels or coverings to the display without the express written consent of Daktronics.

1.1 Resources

Figure 1 illustrates a Daktronics drawing label. This manual refers to drawings by listing the last set of digits and the letter preceding them. In the example, the drawing would be referred to as **Drawing D-1007804**. All references to drawing numbers, appendices, figures, or other manuals are presented in bold typeface. Any drawings referenced in a particular section are listed at the beginning of it as shown below:

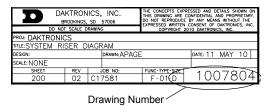


Figure 1: Drawing Label

Reference Drawing:

System Riser Diagram Drawing D-1007804

Daktronics identifies manuals by the DD or ED number located on the cover page. For example, this manual would be referred to as **ED-16076**.

Project-specific information takes precedence over any other general information found in this manual. Such information may include:

- **Shop Drawings:** describe mounting methods to structural elements, access method (front or rear), and power and signal entrance points
- **Final Assembly Drawings:** describe internal display component locations and detailed product appearance with part numbers and quantities

Ensure all applicable material has been gathered before beginning the installation. Contact a Daktronics sales coordinator or project manager.

Introduction 1

2.1 Pole Locations

Reference Drawings:

Drawing B-1122070 in **Appendix A** shows the recommended number of beams and spacing between them for the various lengths of square and arch truss. While beam placement will be determined by the dimensions of the overall scoring display, these drawings show where to expect mounting hardware will typically be attached (so beams may be partially hidden by the vertical truss, for example).

Note: Refer to any site-specific diagrams for proper placement and mounting method of display pieces.

Any column and footing size dimensions are to assist with estimating installation costs; they are estimates only and are not intended for actual construction purposes. Be sure that the installation complies with local building codes and is suitable for the particular soil and wind conditions. The columns, footings, and all connection details must be designed and certified by a professional engineer licensed to practice in the state of the installation.

Note: Daktronics does not assume any liability for any installation derived from the information provided in this manual or installations designed and installed by others.

Drain Holes

Take care during the installation process to ensure the drain holes in the accent pieces are not covered by the mounting structure. **If they are covered**, 3/8" holes must be drilled through the mounting structure in the same spot as the original holes.

2.2 Lifting

Decorative accents are shipped equipped with 1/2" shoulder-type eyebolts to lift them. The eyebolts are located along the top of the accents. On domed accents, the eyebolts are located on rear cabinets, not the dome itself.

Daktronics strongly recommends using a spreader bar, or lifting bar, to lift the accent. Spreader bars ensure the force on the eyebolts remains straight up, minimizing lifting stress.

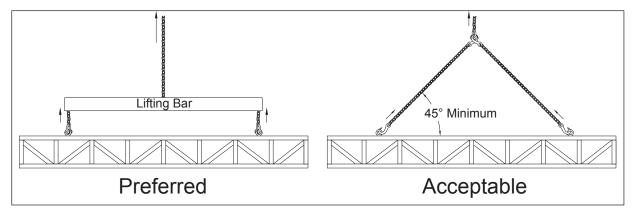


Figure 2: Lifting Methods

Figure 2 illustrates the preferred lifting method on the left and an acceptable alternative lifting method on the right. When lifting:

- Use a spreader bar if possible.
- Use every lifting point provided.

Avoid using other lifting methods. Cables and chains attached to the eyebolts and directly to a center lifting point, as shown in the right example in **Figure 2**, create a dangerous lateral force on the eyebolts and may cause the eyebolts to fail. The smaller the angle between the cable and the top of the accent, the lighter the accent must be to safely lift it. If this method must be used, ensure a minimum angle between the chain and accent of at least 45°.

Do NOT attempt to lift the accent if the angle is less than 45°. Exceeding load angles or weight limits could cause the bolts in the cabinet to buckle, resulting in serious damage to property or injury to personnel. Also, loads should be applied directly in the plane of the eyebolt as shown in **Figure 3**.

Note: Daktronics assumes no liability for damages resulting from incorrect setup or lifting methods. Eyebolts are intended for lifting only. Do not attempt to permanently support the accent by the eyebolts.

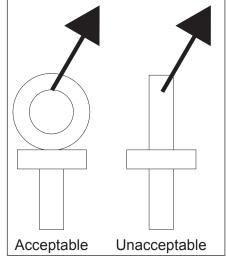


Figure 3: Eyebolt Plane Load

2.3 Square & Arch Truss Mounting

Two standard mounting methods are available for Daktronics square and arch truss decorative accents.

Note: Do not use lubrication on any mounting hardware or the warranty will be void!

I-Beam Clamps

Reference Drawings:

Mounting hardware includes mounting channels; unistruts; spring nuts; I-beam clamps; 1/2-13 x 3" bolts, flat washers, and lock washers; and 3/8-16 x 1" bolts, flat washers, lock washers, and nuts. Refer to **Figure 4** and **Drawing A-1111650** in **Appendix A**.

Note: I-beams must have a flange thickness of 1/4" – 3/4". If flange thickness is greater than 3/4", longer bolts will be required at added expense.

- **1.** Position the accent at the front of the beams, and lift it to the desired height.
- 2. Use the self-drilling screws to attach a mounting channel to the top rear of the accent. The mounting channel should be as close to center on the beams as possible.
- **3.** Attach the piece of unistrut to the mounting channel with the included 3/8" hardware, as shown in **Figure 4**.
- **4.** Place spring nuts into the unistrut. Twist the spring nuts until they are perpendicular to the unistrut channel (refer to **Figure 5**).

Note: Accents require four spring nuts per beam (two at the top and two at the bottom).

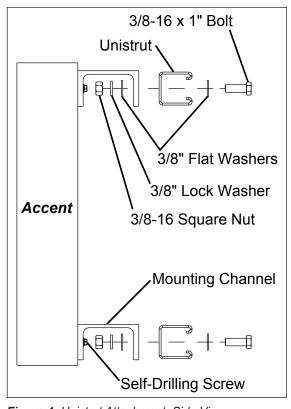
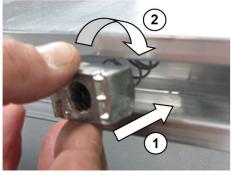
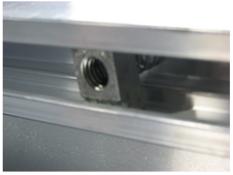


Figure 4: Unistrut Attachment, Side View





1) Insert into channel

2) Twist

Correct spring nut position

Figure 5: Spring Nut Insertion

- **5.** Slide a lock washer, flat washer, and I-beam clamp onto each bolt, and loosely screw the bolts into the spring nuts.
- **6.** Position each I-beam clamp assembly as close to the I-beam flanges as possible.
- 7. Make final adjustments in the positioning of the accent to ensure it is flush and level, and firmly tighten all of the bolts (**Figure 6**).

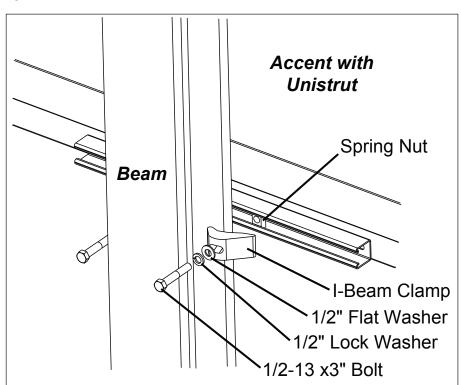


Figure 6: Accent Mounting with I-beam Clamps, Rear Isometric View

- 8. Repeat steps 2–7 for the other mounting hardware set on the bottom rear of the accent.
- 9. Repeat step 8 for all beams.
- **10.** Remove the lift eyebolts and fill remaining holes with silicone.

Clamping Angles

Reference Drawings:

Mtg Attachment: DA-1001 Series	Drawing A-251223
Mtg Attachment: DA-1000 Series	Drawing A-997378

Mounting hardware includes mounting channels, clamping angles, self-drilling screws, $1/2-13 \times 24$ " threaded rods, 1/2" nuts, and 1/2" lock washers. Refer to **Figure 7** as well as **Drawing A-251223** for arch truss and **Drawing A-997378** for square truss.

Note: The threaded rods do not pass through the beams; they run along both sides.

- 1. Position the accent at the front of the beams, and lift it to the desired height.
- 2. Use the self-drilling screws to attach a mounting channel to the top rear of the accent. The mounting channel should be as close to center on the beams as possible.
- **3.** Insert the threaded rods into the holes on the mounting channel, one on either side of the beam. Ensure the rods are in the holes closest to the sides of the beam.
- 4. Screw square nuts on the ends of the threaded rods inside the mounting channel.
- 5. Slide clamping angles over the other ends of the threaded rods and loosely install the washers and nuts.
- **6.** Make final adjustments in the positioning of the accent to ensure it is flush and level, and firmly tighten all of the 1/2" hex nuts.
- 7. Repeat steps **2–6** for the other mounting hardware set on the bottom rear of the accent.
- 8. Repeat step 7 for all beams.
- 9. Remove the lift eyebolts and fill remaining holes with silicone.

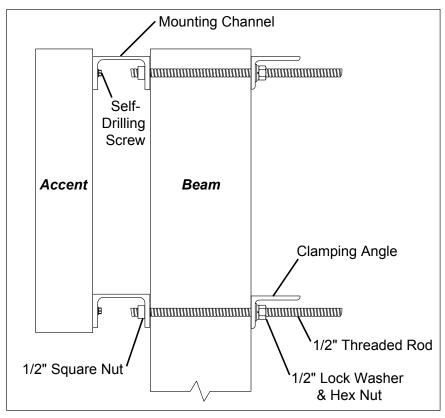


Figure 7: Accent Mounting with Clamping Angles, Side View

Truss with Clocks

To install clocks to the truss, refer to the **Analog Clock Installation & Maintenance Manual (ED-16102)**, provided with the clock assembly.

2.4 Dome Mounting

Two standard mounting methods are available for Daktronics dome decorative accents.

Note: Do not use lubrication on any mounting hardware or the warranty will be void!

I-Beam Clamps

Reference Drawings:

Double Pole Mounting- Dome Outdoor Non-Backlit	Drawing B-303997
Odd Number Pole Mounting; Dome OD Non-Bklt	Drawing B-369907
Two Pole Mounting; DA-1205 Domes	Drawing B-1080123
Three Pole Mounting; DA-1205 Domes	Drawing B-1080180

Mounting hardware includes C-channels; unistrut; spring nuts; I-beam clamps; $1/2-13 \times 3$ " bolts, flat washers, and lock washers; and $3/8-16 \times 1$ " bolts, flat washers, lock washers, and nuts. Refer to **Figure 8** and one of the following drawings from **Appendix A**:

	Even # of Poles	Odd # of Poles
Partial Dome	Drawing B-303997	Drawing B-369907
Full Dome	Drawing B-1080123	Drawing B-1080180

Note: I-beams must have a flange thickness of 1/4" – 3/4". If flange thickness is greater than 3/4", longer bolts will be required at added expense.

- 1. Position the accent at the front of the beams, and lift it to the desired height.
- 2. Using the C-channel as a template, drill four 7/16" holes in the upper rear flange of the accent cabinet where the beams will be located.

Note: Try to ensure that the two center holes will be within the width of the beam.

- 3. Attach the piece of unistrut to the accent cabinet with the included 3/8" hardware, as shown in **Figure 8**.
- **4.** Place spring nuts into the unistrut. Twist the spring nuts until they are perpendicular to the unistrut channel (refer to **Figure 5**).

Note: Accents require four spring nuts per beam (two at the top and two at the bottom).

- 5. Slide a lock washer, flat washer, and I-beam clamp onto each bolt, and loosely screw the bolts into the spring nuts.
- **6.** Position each I-beam clamp assembly as close to the I-beam flanges as possible.

(Continued on next page)

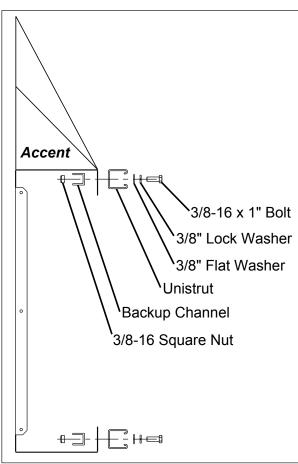


Figure 8: Unistrut Attachment, Side View

7. Make final adjustments in the positioning of the accent to ensure it is flush and level, and firmly tighten all of the bolts (**Figure 9**).

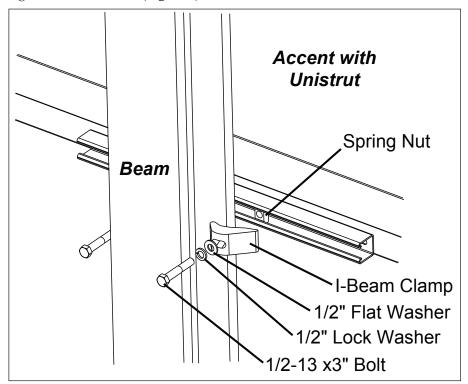


Figure 9: Dome Accent Mounting with I-beam Clamps, Rear Isometric View

- 8. Repeat steps 2–7 for the other mounting hardware set on the bottom rear of the accent.
- 9. Repeat step 8 for all beams.
- **10.** Remove the lift eyebolts and fill remaining holes with silicone.

Clamping Angles

Reference Drawings:

Mounting hardware includes C-channels; rear clamping angles; $1/2-13 \times 15$ " threaded rods; and 1/2" nuts and lock washers. Refer to **Figure 10** and **Drawing A-52187** in **Appendix A**.

Note: The threaded rods do not pass through the beams; they run along both sides.

- 1. Position the accent at the front of the beams, and lift it to the desired height.
- **2.** Using a clamping angle as a template, drill 9/16" holes in the upper rear flange of the accent cabinet where the C-channel support will be placed.
- 3. Position a C-channel inside the accent cabinet along the rear flange as shown in Figure 10.
- **4.** Place 1/2" square nuts inside the C-channel, and thread the rods through the rear flange of the accent cabinet and the C-channel.
- **5.** Slide clamping angles over the other ends of the threaded rods and loosely install the washers and nuts.
- 6. Make final adjustments in the positioning of the accent to ensure it is flush and level, and firmly tighten all of the 1/2" hex nuts.
- 7. Repeat steps 2-6 for the other mounting hardware set on the bottom rear flange of the accent cabinet.
- **8.** Repeat step **7** for all beams.
- **9.** Remove the lift eyebolts and fill remaining holes with silicone.

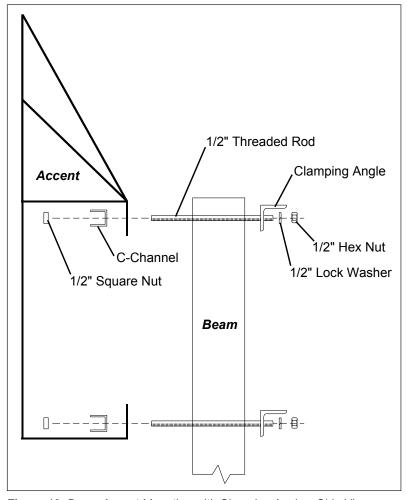


Figure 10: Dome Accent Mounting with Clamping Angles, Side View

Domes with Ad Panels

Reference Drawings:

Semicircle to Ad Panel Assy	Drawing A-93857
Odd Number Pole Mounting; Dome OD Non-Bklt	Drawing B-369907

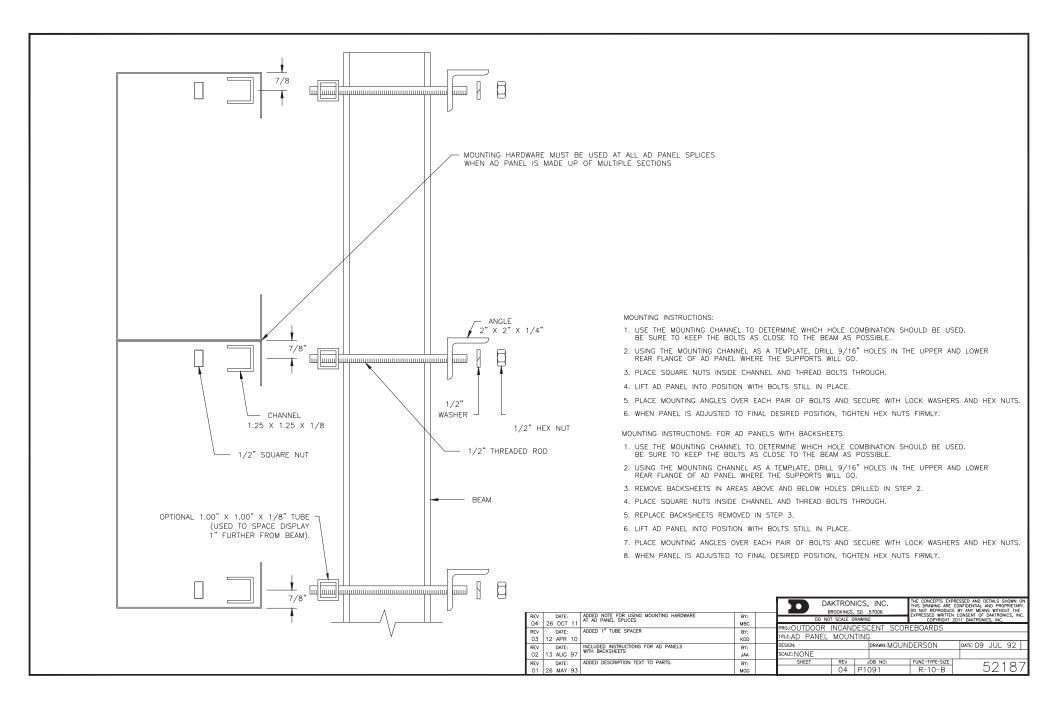
Domes are most often used together with an ad panel beneath them. Riveting the two pieces together will prevent the dome from twisting in strong winds. Sometimes this will be performed in the factory, while other times it may need to be done in the field. This would typically be required when there is a single pole behind a partial dome (as shown in **Drawing A-369907**). In these cases, follow **Drawing A-93857** for riveting instructions.

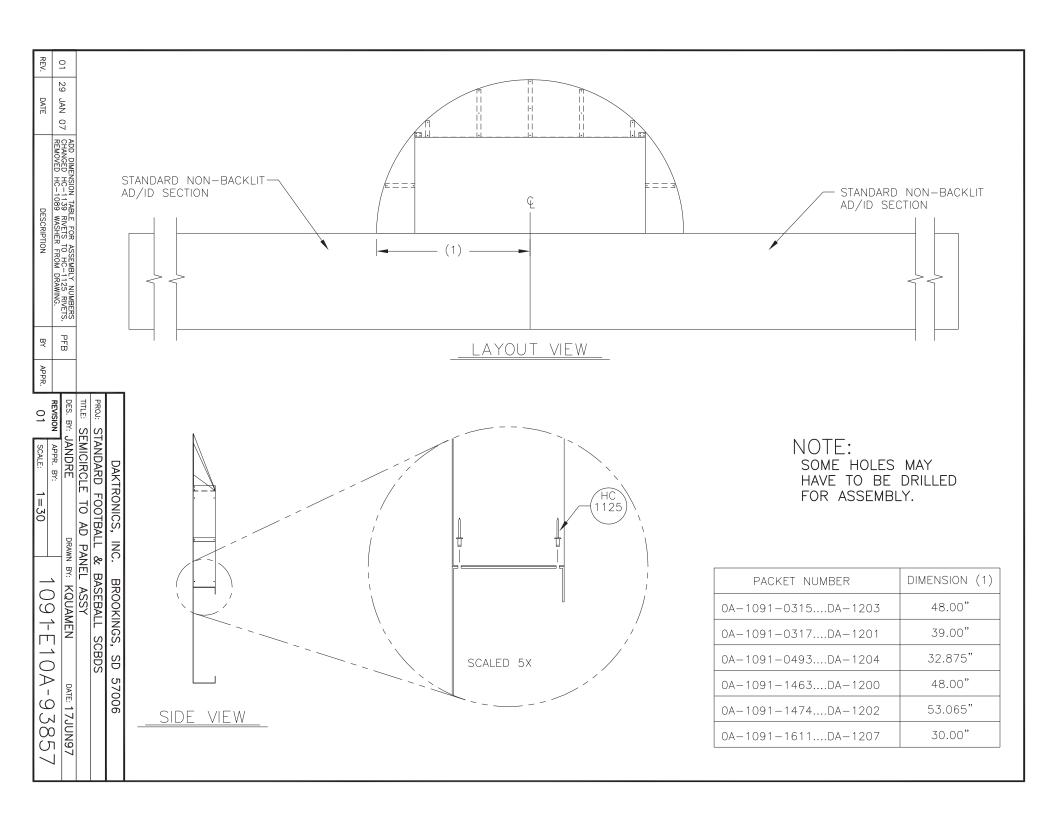
Appendix A: Reference Drawings

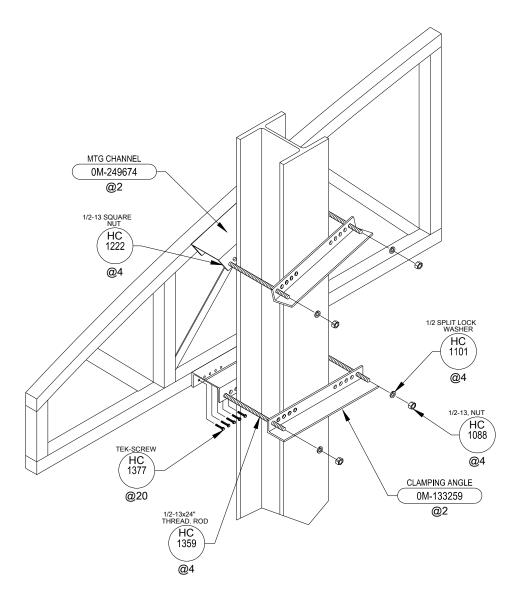
Refer to **Section 1.1** for information regarding how to read the drawing number. These drawings are listed in alphanumeric order. Any contract-specific drawings take precedence over these general drawings.

Drawing Title	Drawing Number
Ad Panel Mounting	B-52187
Semicircle to Ad Panel Assy	A-93857
Mtg Attachment: DA-1001 Series	A-251223
Double Pole Mounting- Dome Outdoor Non-Backlit	B-303997
Odd Number Pole Mounting; Dome OD Non-Bklt	B-369907
Mtg Attachment: DA-1000 Series	A-997378
Two Pole Mounting; DA-1205 Domes	B-1080123
Three Pole Mounting; DA-1205 Domes	B-1080180
Truss I-Beam Clamp Mounting	B-1111650
Pole Locations; Decorative Trusses	

Reference Drawings 11







ISOMETRIC VIEW TYPICAL CLAMP MOUNT PER POLE

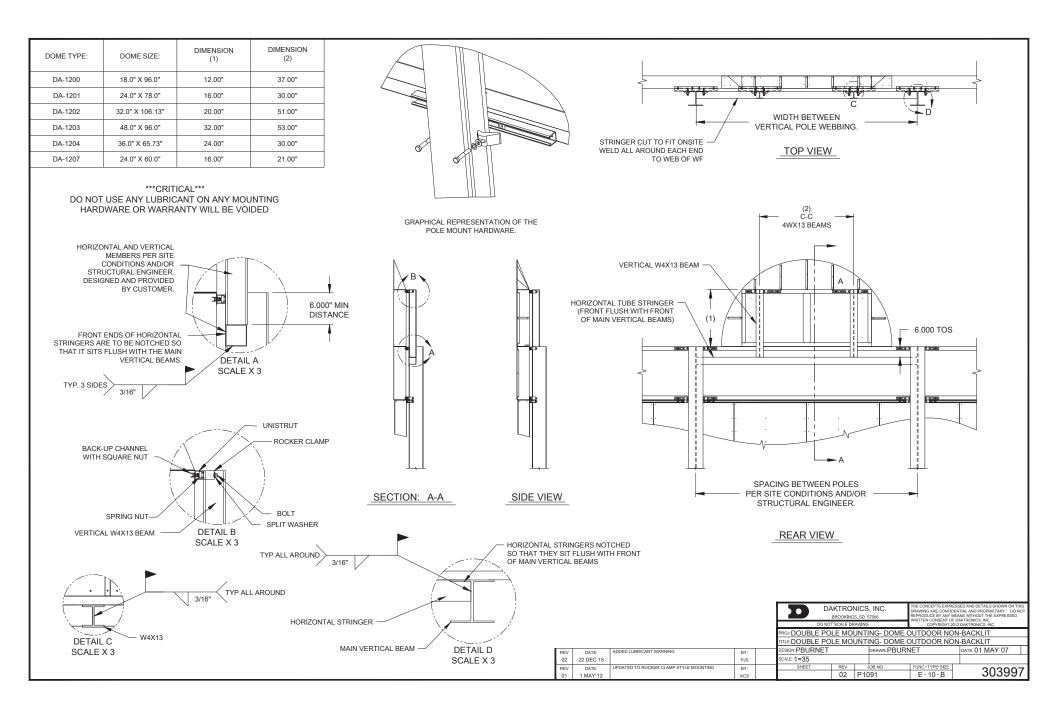
NOTES:

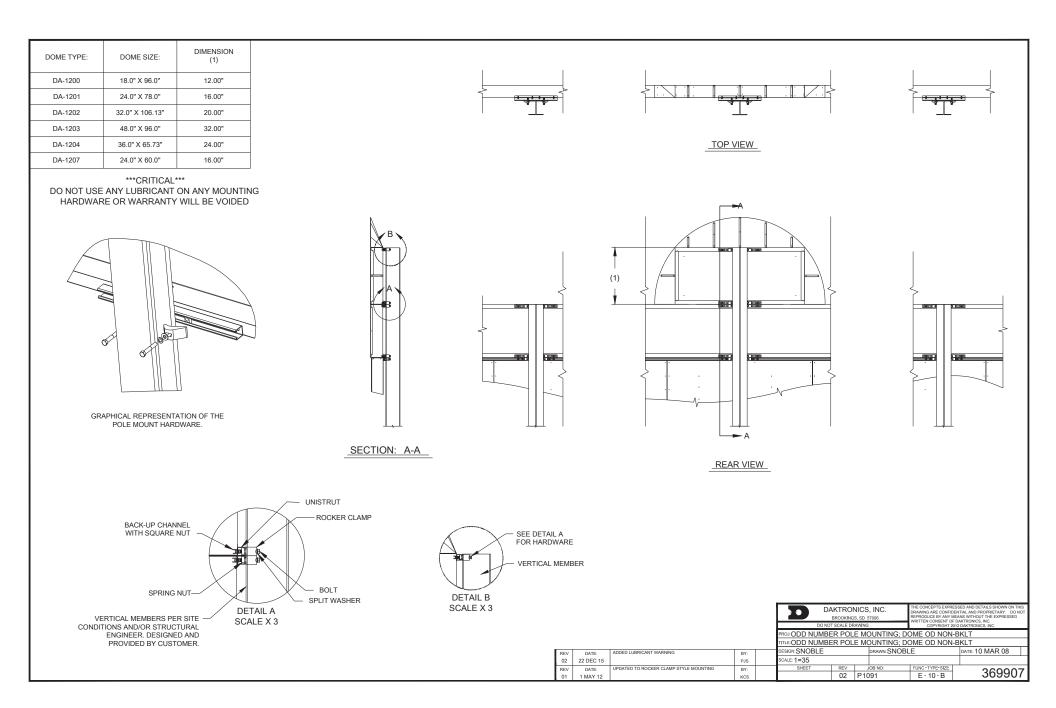
-ATTACH MOUNTING CHANNEL (0M-249674) TO TRUSSWORK USING HC-1377 TEK SCREWS.

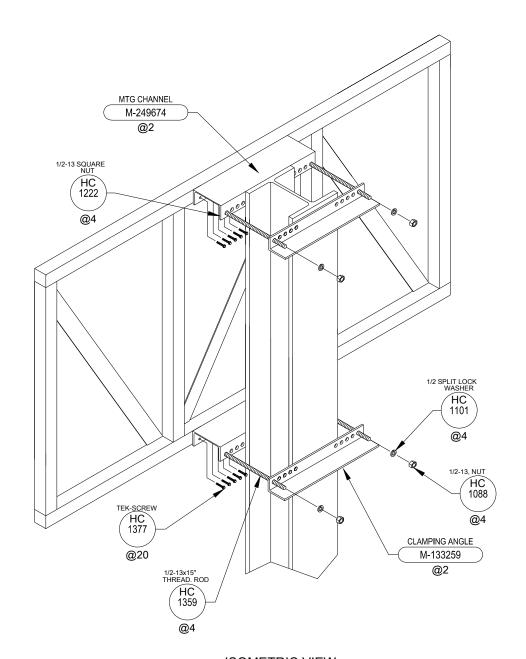
-CHANNELS ARE TO BE CENTERED AT VERTICAL BEAM LOCATIONS.

0A-1348-0001... MTG HDWE; TRUSSWORK, 1-POLE

01	11 MAR 10	PER ECO-68501.	SAG		03	P1348	E - 10 - A	251223
REV	DATE:	CHANGED HC-1377 TO HC-1359 IN PART # TAG	BY:	SHEET	REV	JOB NO:	FUNC-TYPE-SIZE	054000
02	18 SEP 12		LMG	SCALE: 1=15				
REV	DATE:	REMOVED CHAMFER FROM 0M-133259 PER EC-7114	BY:	DESIGN: KBRICKER	DESIGN: KBRICKER DRAWN: KBRIC			DATE: 16 AUG 05
03	19 NOV 14	20 TO 4.	KWR	TITLE MTG ATTACHMENT: DA-1001 SERIES				
REV	DATE:	PER EC-15839, CHANGED QUANTITY OF HC-1359 FROM	BY:	PROJ:DECORATIV				
				DO NO	T SCALE DF	RAWING		12 DAKTRONICS, INC.
						REPRODUCE BY ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC.		
				D.	AKTRO	NICS, INC.		SSED AND DETAILS SHOWN ON THIS NTIAL AND PROPRIETARY. DO NOT







ISOMETRIC VIEW TYPICAL CLAMP MOUNT PER POLE

NOTES:

- -ATTACH MOUNTING CHANNEL (0M-249674) TO TRUSSWORK USING HC-1377 TEK SCREWS.
- -CHANNELS ARE TO BE CENTERED AT VERTICAL BEAM LOCATIONS.

0A-1348-0001... MTG HDWE; TRUSSWORK, 1-POLE

						AKTRO BROOKING	,	1NC. 7006	DRAWING ARE CONFIDE REPRODUCE BY ANY ME	SSED AND DETAILS SHOWN ON THIS NTIAL AND PROPRIETARY. DO NOT ANS WITHOUT THE EXPRESSED
					DO NO	DO NOT SCALE DRAWING WRITTEN CONSENT O				DAKTRONICS, INC. 12 DAKTRONICS, INC.
					PROJ: DECORATIV	'E ACC	ENTS			
					TITLE:MTG ATTACHMENT: DA-1000 SERIES					
REV	DATE:	FIX HC1359 FROM @20 TO @4	BY:		DESIGN: JANDRE		C	DRAWN: SGOUL	_D	DATE: 06 APR 10
02	13 JAN 15		KDB		SCALE: 1=15					
REV	DATE:	UPDATED DWG TO REMOVE CHAMFERS	BY:		SHEET	REV	JO	OB NO:	FUNC-TYPE-SIZE	007270
01	20 DEC 12	FROM CLAMPING ANGLES (M-133259)	AJH			02	P13	48	E-10-A	997378

TABLE 1: SPACINGS DIMENSION DIMENSION DIMENSION DIMENSION DOME MODEL# DOME SIZE (2) (3) (4) (1) 3'-0" X 12'-0" 7'-0" - 9'-0" 4'-0" 0'-10" DA-1205-12 1'-6" DA-1205-14 4'-0" X 14'-0" 9'-0" - 11'-0" 5'-0" 2'-0" 1'-0" SEE WELD DETAIL B STRINGER CUT TO FIT ONSITE WELD ALL DA-1205-16 2'-6" X 16'-0" 8'-0" - 10'-0" 4'-0" 1'-0" 1'-2" SEE WELD DETAIL C AROUND EACH END TO WEB OF WF TOP VIEW DA-1205-18 3'-0" X 18'-0" 11'-0" - 13'-0" 5'-0" 1'-2" DA-1205-20 3'-0" X 20'-0" 12'-0" - 14'-0" 7'-0" 1'-2" 1'-2" DA-1205-25 4'-0" X 25'-0" 14'-0" - 16'-0" 9'-0" 1'-6" 1'-6" DA-1205-27 4'-0" X 27'-0" 14'-6" - 16'-6" 10'-0" 1'-6" 1'-6" VERTICAL W4X13 BEAM C-C SPÁCING W4X13 BEAMS HORIZONTAL TUBE STRINGER TABLE 2: STEEL STRINGER SIZES (FRONT FLUSH WITH FRONT OF MAIN VERTICAL BEAMS). DESIGNED AND PROVIDED STRINGER SIZE DISPLAY NUMBER COLUMN SPACING DESIGN WIND VELOCITY LENGTH OF TOP SECTION -COLUMNS 6.000 TOP OF SECTION (FT.) (FT.) HEIGHT 90 MPH - 130 MPH 150 MPH TO TOP OF STRINGER HSS4X4X3/16 HSS4X4X3/16 14 2 9'-0"-11'-0" HSS4X4X3/16 HSS4X4X3/16 8'-0"-10'-0" 16 2 HSS4X4X3/16 HSS4X4X3/16 18 2 11'-0"-13'-0" HSS4X4X3/16 HSS4X4X3/16 20 2 12'-0"-14'-0" BTM SECTION HSS4X4X3/16 HSS5X5X3/16 HEIGHT 25 2 14'-0"-16'-0" MAIN DISPLAY HSS4X4X3/16 HSS5X5X3/16 27 2 14'-0"-16'-0" BENEATH DOME (1) *WIND DESIGN: ASCE 7-05 USE CAT II, EXP C, C-C SPACING Kz=1.04, Cf=1.64, 30' MAX SIGN FACE, DISPLAY SECTION A-A MAIN VERTICAL POLES IS ASSUMED TO BE 10' OFF GRADE *** CRITICAL *** DO NOT USE ANY LUBRICANT REAR VIEW ON ANY MOUNTING HARDWARE OR WARRANTY WILL BE VOIDED HORIZONTAL STRINGERS NOTCHED SO THAT THEY SIT FLUSH WITH FRONT OF MAIN VERTICAL BEAMS TYP ALL AROUND VERTICAL MEMBER PER SITE CONDITIONS AND/OR STRUCTURAL ENGINEER, DESIGNED AND UNISTRUT PROVIDED BY CUSTOMER HORIZONTAL STRINGER HORIZONTAL STRINGER ROCKER CLAMP BACK-LIP CHANNEL - W4X13 WITH SQUARE NUT 6.00" MIN DISTANCE MAIN VERTICAL BEAM SPRING NUT DETAIL: B DETAIL: C BOI T 5X SCALE 5X SCALE FRONT ENDS OF HORIZONTAL STRINGERS SPLIT WASHER ARE TO BE NOTCHED SO THAT IT SITS FLUSH WITH THE MAIN VERTICAL BEAMS. DETAIL A REAR ISO VIEW **SCALE 1:10** GRAPHICAL REPRESENTATION OF THE TITLE: TWO POLE MOUNTING; DA-1205 DOMES DATE: 04 JAN 12 DIM UNITS: INCHES [MILLIMETERS] 3/16" DATE: DATE: 04 JAN 12 02 15 JAN 16 SCALE: 1/40 DO NOT SCALE DRAWING REV 01 BY: JLR DESIGN: MCARSRU DRAWN: MCARSRU UPDATED TO ROCKER CLAMP STYLE MOUNTING 1080123 26 APR 12

TABLE 1: SPACINGS

DOME MODEL#	DOME SIZE	DIMENSION (1)	DIMENSION (2)	DIMENSION (3)	DIMENSION (4)	
DA-1205-28	DA-1205-28 4'-0" X 28'-0"		2'-3"	10'-0"	1'-0"	
DA-1205-32	5'-0" X 32'-0"	10'-6" - 12'-6"	2'-6"	11'-0"	1'-6"	
DA-1205-36	5'-0" X 36'-0"	12'-0" - 14'-0"	2'-6"	12'-0"	1'-6"	

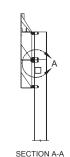
TABLE 2: STEEL STRINGER SIZES

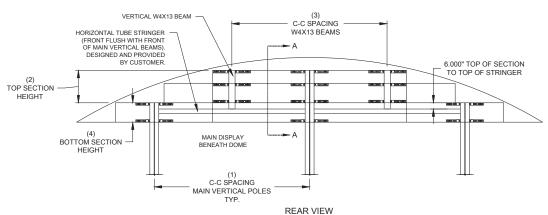
DISPLAY	DISPLAY NUMBER LENGTH OF COLUMNS	SPACING	STRINGER SIZE DESIGN WIND VELOCITY							
			90 MPH	110 MPH	130MPH	150 MPH				
28	3	9'-6"-11'-6"	HSS4X4X3/16	HSS4X4X3/16	HSS4X4X3/16	HSS5X5X3/16				
32	3	10'-6"-12'-6"	HSS4X4X3/16	HSS4X4X3/16	HSS5X5X3/16	HSS6X6X3/16				
36	3	12'-0"-14'-0"	HSS4X4X3/16	HSS5X5X3/16	HSS5X5X3/16	HSS6X6X3/16				

*WIND DESIGN: ASCE 7-05 USE CAT II, EXP C, Kz=1.04, Cf=1.64, 30' MAX SIGN FACE, DISPLAY IS ASSUMED TO BE 10' OFF GRADE

*** CRITICAL ***

DO NOT USE ANY LUBRICANT
ON ANY MOUNTING HARDWARE
OR WARRANTY WILL BE VOIDED

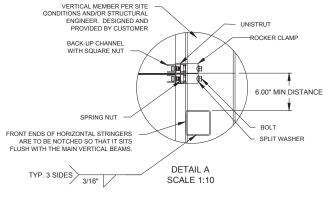


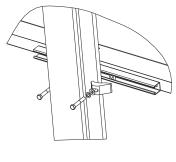


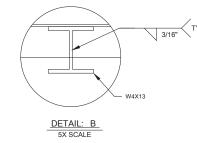
SEE WELD DETAIL B

TOP VIEW

SEE WELD DETAIL C

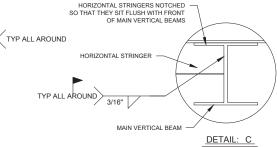






STRINGER CUT TO FIT ONSITE

WELD ALL AROUND EACH END TO WEB OF WF



REAR ISO VIEW
GRAPHICAL REPRESENTATION OF THE POLE MOUNT HARDWARE.

THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWNS ARE CONFEDENTIA, AND PROPRIETARY DO NOT REPRODUCE BY ANY MEANS WITHOUT THE SPRESS WRITTEN CONSISTION OF THE WAY LIKE ANY MEANS, INC. OF ITS WHICLITY OWNED SUBSIDIANCES AND THE PROPRIETARY AND THE TANKES, AND ANY THE TANKES AND THE TANK

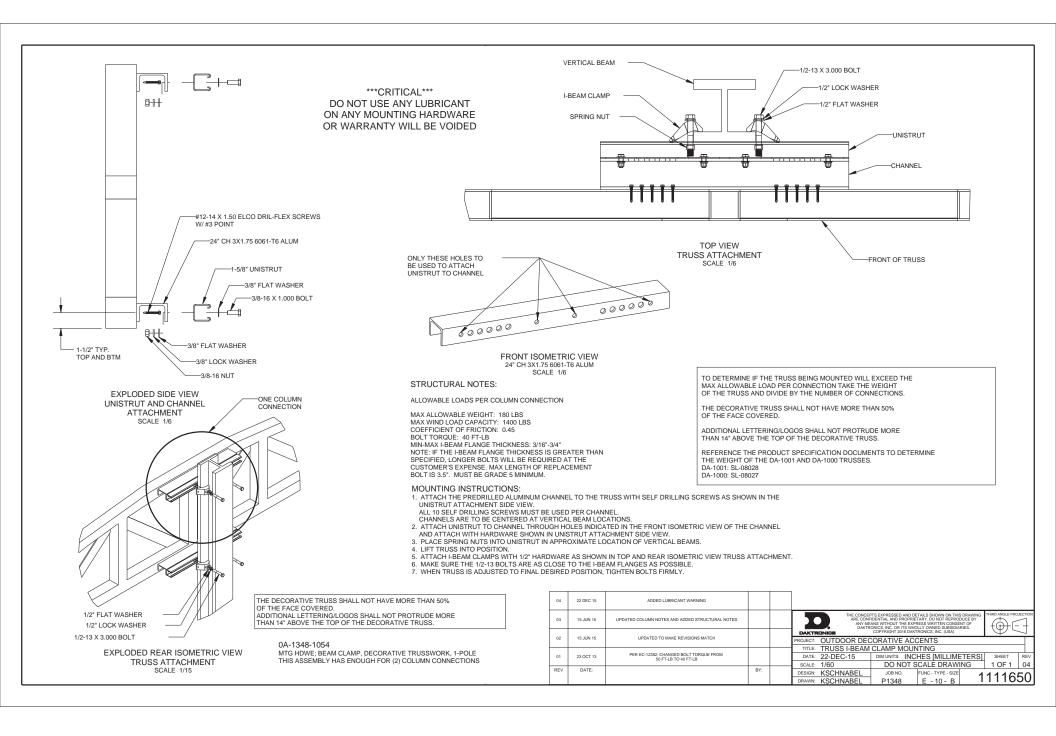
 REV
 DATE:
 ADDED LUBRICANT WARNING
 BY:

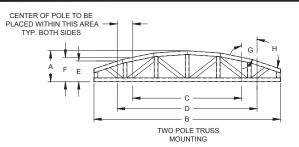
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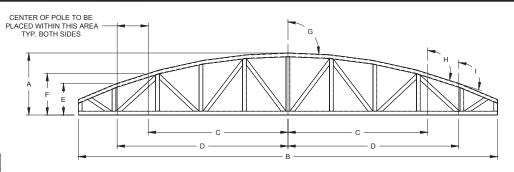
 10
 26 APR 12
 UPDATED TO ROCKER CLAMP STYLE MOUNTING
 BY:

 12
 APR 12
 UPDATED TO ROCKER CLAMP STYLE MOUNTING
 J.R.



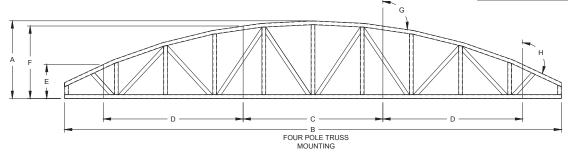


TWO POLE TRUSS MOUNTING TABLE											
MODEL NUMBER	HEIGHT Dim. A	WIDTH Dim. B	POLE SPACE MIN Dim. C	POLE SPACE MAX Dim. D	POLE HEIGHT Dim. E	POLE HEIGHT Dim. F	ANGLE Dim. G	ANGLE Dim. H	POSSIBLE TO POSITION POLE BEHIND VERTICAL TRUSS MEMBER		
DA-1001-12	2'-0"	12'-0"	7'-0"	9'-0"	1'-4"	1'-6 15/16"	102°	109°	YES		
DA-1000-14	2'-0"	14'-0"	9'-0"	11'-0"	2'-0"	2'-0"	NA	NA	YES		
DA-1001-14	3'-0"	14'-0"	9'-0"	11'-0"	1'-10 11/16"	2'-3 7/16"	104°	114°	YES		
DA-1000-16	2'-0"	16'-0"	9'-6"	11'-6"	2'-0"	2'-0"	NA	NA	YES		
DA-1001-16	3'-0"	16'-0"	9'-6"	11'-6"	2'-2 13/16"	2'-6 3/16"	106°	106°	NO		
DA-1000-18	2'-0"	18'-0"	11'-0"	13'-0"	2'-0"	2'-0"	NA	NA	NO		
DA-1001-18	3'-0"	18'-0"	11'-0"	13'-0"	1'-11 5/8"	2'-3 5/16"	103°	108°	YES		
DA-1000-20	2'-0"	20'-0"	12'-0"	14'-0"	2'-0"	2'-0"	NA	NA	NO		
DA-1001-20	3'-0"	20'-0"	12'-0"	14'-0"	2'-0 5/16"	2'-3 9/16"	101°	106°	YES		
DA-1001-24	4'-0"	24'-0"	14'-0"	16'-0"	2'-9 1/16"	3'-0 11/16"	103°	109°	YES		
DA-1000-25	3'-0"	25'-0"	14'-0"	16'-0"	3'-0"	3'-0"	NA	NA	NO		
DA-1001-25	4'-0"	25'-0"	14'-0"	16'-0"	2'-9 11/16"	3'-0 15/16"	103°	109°	YES		
DA-1000-27	2'-0"	27'-0"	14'-6"	16'-6"	2'-0"	2'-0"	NA	NA	TBD		
DA-1001-27	4'-0"	27'-0"	14'-6"	16'-6"	2'-10 15/16"	3'-1 5/8"	102°	107°	YES		
DA-1000-28	3'-0"	28'-0"	14'-6"	16'-6"	3'-0"	3'-0"	NA	NA	NO		
DA-1001-28	4'-0"	28'-0"	14'-6"	16'-6"	2'-11 3/4"	3'-2 3/8"	102°	106°	NO		



THREE POLE TRUSS MOUNTING

	THREE POLE TRUSS MOUNTING TABLE											
MODEL NUMBER	HEIGHT Dim. A	WIDTH Dim. B	POLE SPACE MIN Dim. C	POLE SPACE MAX Dim. D	POLE HEIGHT Dim. E	POLE HEIGHT Dim. F	ANGLE Dim. G	ANGLE Dim. H	ANGLE Dim. I	POSSIBLE TO POSITION POLE BEHIND VERTICAL TRUSS MEMBER		
DA-1000-25	3'-0"	25'-0"	8'-6"	8'-6"	3'-0"	3'-0"	NA	NA	NA	NO		
DA-1001-25	4'-0"	25'-0"	8'-6"	8'-6"	2'-7 11/16"	2'-7 11/16"	93°	109°	109°	NO		
DA-1000-27	2'-0"	27'-0"	9'-0"	11'-0"	2'-0"	2'-0"	NA	NA	NA	TBD		
DA-1001-27	4'-0"	27'-0"	9'-0"	11'-0"	2'-0 7/16"	2'-8 1/8"	93°	107°	113°	NO		
DA-1000-28	3'-0"	28'-0"	9'-6"	11'-6"	3'-0"	3'-0"	NA	NA	NA	YES		
DA-1001-28	4'-0"	28'-0"	9'-6"	11'-6"	2'-0 1/8"	2'-7 7/16"	92°	107°	112°	YES		
DA-1000-32	4'-0"	32'-0"	10'-6"	12'-6"	4'-0"	4'-0"	NA	NA	NA	NO		
DA-1001-32	5'-0"	32'-0"	10'-6"	12'-6"	2'-7 7/16"	3'-3 13/16"	93°	109°	109°	NO		
DA-1000-36	3'-0"	36'-0"	12'-0"	14'-0"	3'-0"	3'-0"	NA	NA	NA	NO		
DA-1001-36	5'-0"	36'-0"	12'-0"	14'-0"	2'-7 7/16"	3'-2 13/16"	92°	107°	107°	YES		



	FOUR POLE TRUSS MOUNTING TABLE											
MODEL NUMBER	HEIGHT Dim. A	WIDTH Dim. B	POLE SPACE Dim. C	POLE SPACE Dim. D	POLE HEIGHT Dim. E	POLE HEIGHT Dim. F	ANGLE Dim. G	ANGLE Dim. H	POSSIBLE TO POSITION POLE BEHIND VERTICAL TRUSS MEMBER			
DA-1000-32	4'-0"	32'-0"	9'-0"	9'-0"	4'-0"	4'-0"	NA	NA	NO			
DA-1001-32	5'-0"	32'-0"	9'-0"	9'-0"	1'-11 5/16"	4'-8"	98°	115°	NO			
DA-1000-36	3'-0"	36'-0"	9'-0"	9'-0"	3'-0"	3'-0"	NA	NA	NO			
DA-1001-36	5'-0"	36'-0"	9'-0"	9'-0"	2'-9 1/4"	4'-8 13/16"	97°	107°	NO			

NOTES:

- FOR AESTHETIC PURPOSES SPACE POLES OF DISPLAY SO THEY ARE IN LINE WITH VERTICALS OF TRUSS WHEN POSSIBLE.
- DRAWING TABLES CONTAIN DIMENSIONS FOR SQUARE DECORATIVE TRUSSES. SQUARE DA-1000 ARCHED DA-1001

- DIMENSIONS G, H, I WILL NOT APPLY TO SQUARE TRUSSES.
- -DIMENSIONS E AND F ARE SHOWN TO GIVE AN APPROXIMATE HEIGHT OF THE POLES. ACTUAL POLE HEIGHT WILL NEED TO BE DETERMINED BASED ON THE POLE SPACING.

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PROJ:OUTDOOR DECROTIVE ACCENTS										
TITLE:POLE LOCATIONS; DECORATIVE TRUSSES										
DESIGN: KSCHNABE	EL		DRAWN: KSCHI	NABEL DATE: 14 DEC 12						
SCALE: 1/4" = 1'										
SHEET	REV	JOB NO:		FUNC-TYPE-SIZE	4400070					
	01	P13	348	F - 10 - B	1122070					

ADDED 28' TRUSS INFO TO TABLES DATE: 13 JAN 15