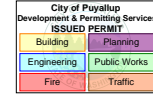


## TV SUPPORT SYSTEM SHOP DRAWING OUTLINE

THE FOLLOWING INFORMATION PROVIDES JURISDICTIONAL GUIDANCE ON THE TV SUPPORT SYSTEM. THE SYSTEM IS COMPRISED OF ALUMINUM WITH TV'S AND TV BRACKETS ATTACHED. THE UNIT WEIGHTS 140# PER EACH 9'-10" SECTION (WITH TV AND BRACKET INCLUDED). THE SYSTEM IS SUSPENDED WITH AIRCRAFT CABLE CONNECTED TO ENGINEERED PICK ELEMENTS DESIGNED TO HANDLE THE LOAD. THE AIRCRAFT CABLE IS LOOPED OVER THE ADJACENT STRUCTURAL ELEMENT AND CLAMPED. ADDITIONAL SWAY BRACING IS PROVIDED ON THE END FOR SEISMIC CONDITIONS.

THE SYSTEM IS INSTALLED IN PLANET FITNESS LOCATIONS THROUGHOUT THE COUNTRY AND WITHIN THE GREAT SEATTLE AREA, INCLUDING RECENT INSTALLATIONS IN LAKEWOOD AND ISSAQUAH.



NOTE:  
AXIAL SWAY BRACING (FOR SEISMIC) SHALL CONNECT TO EXISTING BAR JOISTS ABOVE. PROVIDE GRIPPLE HANGER.

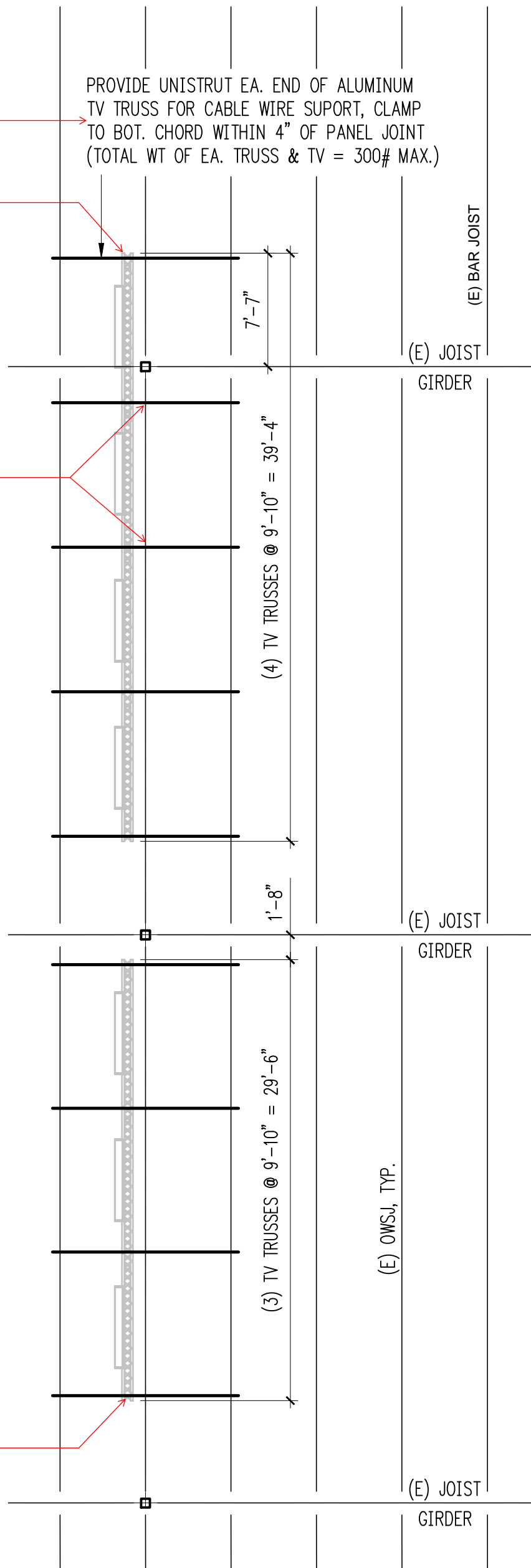
STRUCTURAL SUPPORTS PER STRUCTURAL DRAWINGS

PROVIDE SWAY BRACING AT ENDS FOR SEISMIC CONDITIONS

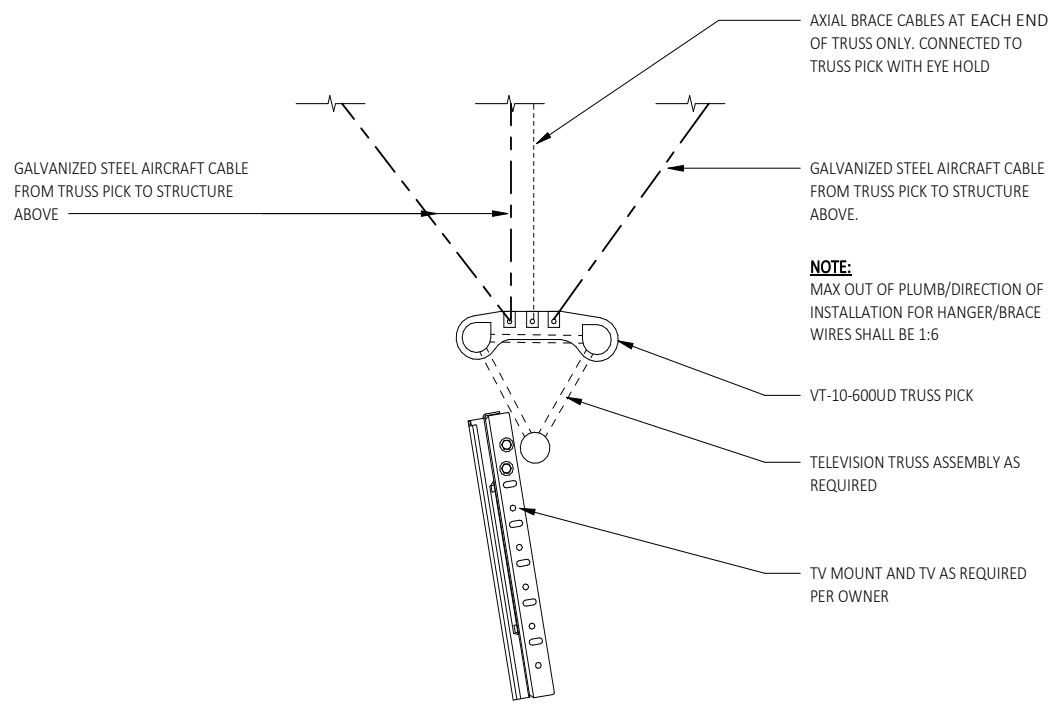
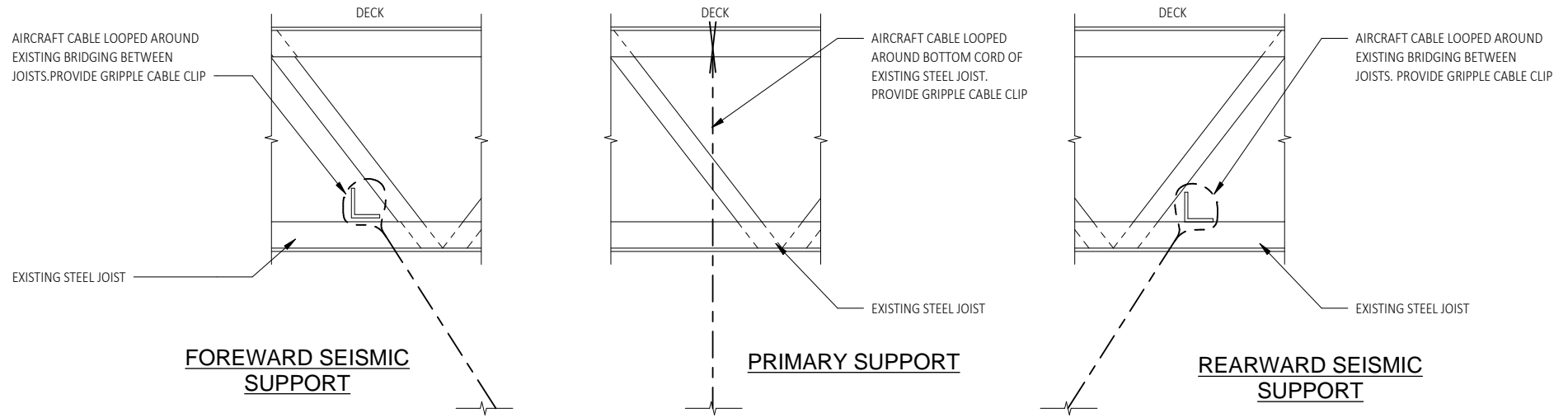
UNISTRUT PROVIDED AT "PICK POINTS" - SUSPENSION POINTS FOR TRUSS, TYPICAL

NOTE:  
TRUSS SUSPENDED WITH GALVANIZED STEEL AIRCRAFT CABLE SUPPORTS AT EACH PICK POINT, AND EACH ENDS OF TRUSS

PROVIDE SWAY BRACING AT ENDS FOR SEISMIC CONDITIONS



**TV SUPPORT SYSTEM PLAN - SHOP DRAWING OUTLINE**  
SCALE: 1/8" = 1'-0"



**TV TRUSS SUPPORT SECTION**

SCALE: 1 1/2" = 1'-0"

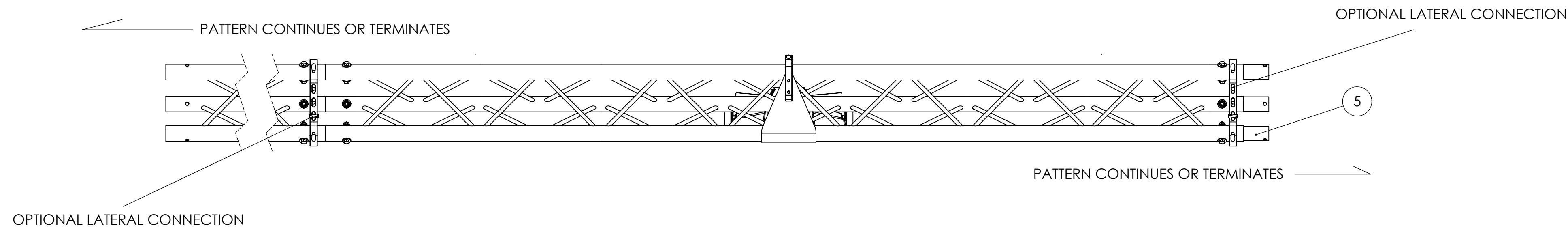
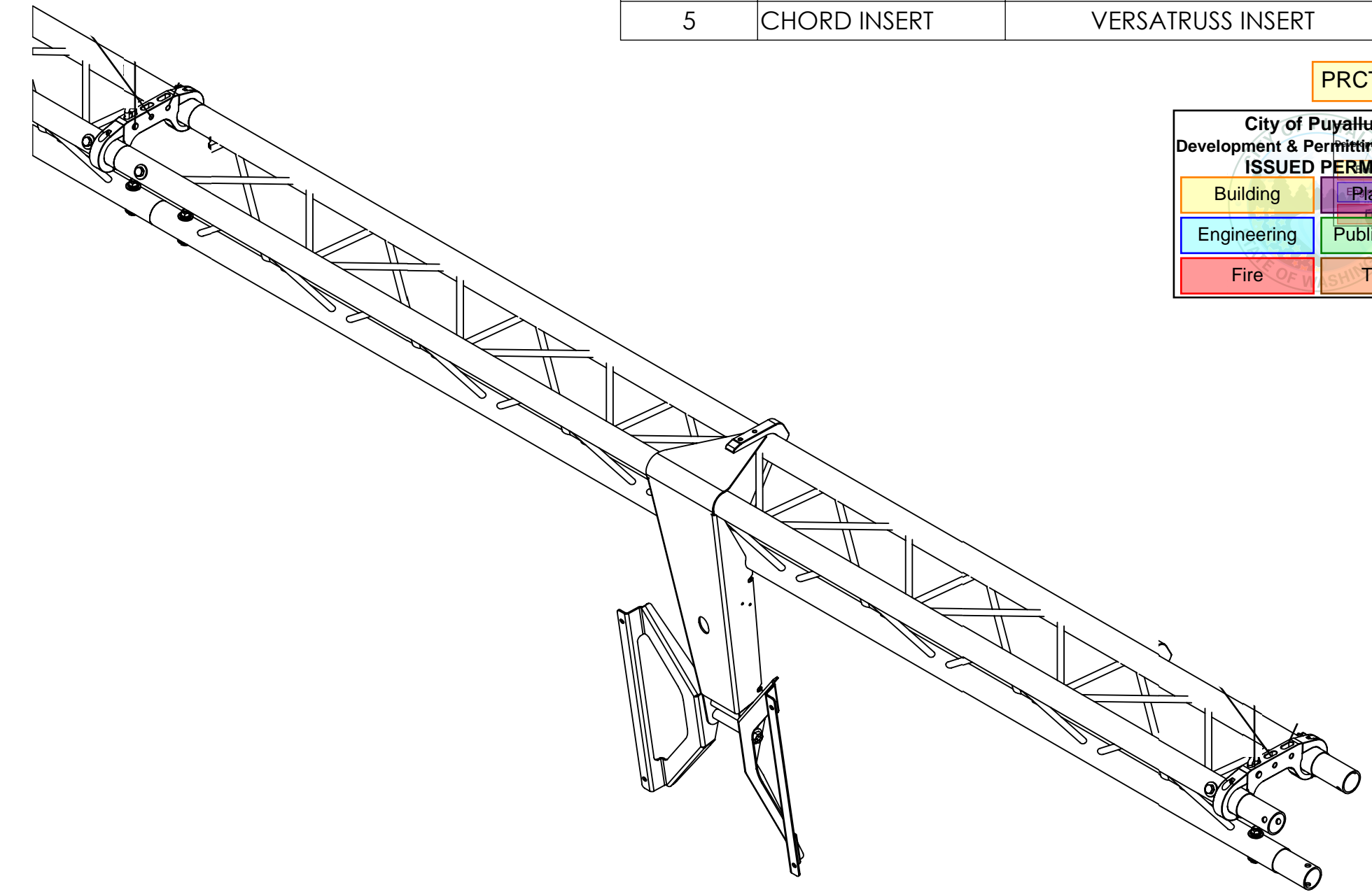
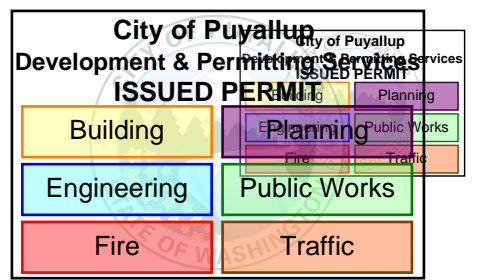
**GENERAL NOTES:**

1) INSTALLER MUST VERIFY THAT CONNECTIONS ARE TIGHTENED WITHIN SPECIFICATION AND ALL OVERHEAD LOAD BEARING ANCHORS AND SUPPORTING STRUCTURES HAVE BEEN CERTIFIED TO BE ADEQUATE BY A PROFESSIONAL ENGINEER LICENSED IN THE LOCALITY OF THE INSTALLATION

2) IF THE INSTALLATION IS IN AN AREA WITH SEISMIC ACTIVITY AND LATERAL CONNECTIONS ARE REQUIRED VT-10T-600-UD OR VT-10T-600 TRUSS PICK MUST BE PLACED BETWEEN THE WEB TUBES ON THE CHORDS TO ASSURE SLIP CRITICAL CONNECTION AND MAXIMUM LATERAL CAPACITY ARE ACHIEVED. THE FREQUENCY AND LAY ANGLES OF LATERAL CONNECTIONS MUST BE DETERMINED BY A PROFESSIONAL ENGINEER LICENSED IN THE LOCALITY OF THE INSTALLATION.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	HORIZONTAL TRUSS	VERSATRUSS 200MMX50MM LENGTH NOT TO EXCEED 3M OR EQUAL	X
2	WEB CLEARANCE TRUSS PICK	ESP VT-10T-600-UD NO SUBSTITUTION	X
3	AIRCRAFT CABLE SUPPORT	GALVANIZED STEEL	X
4	UNDERSLUNG TV MOUNT	ESP VT-10T-200TV	X
5	CHORD INSERT	VERSATRUSS INSERT	X

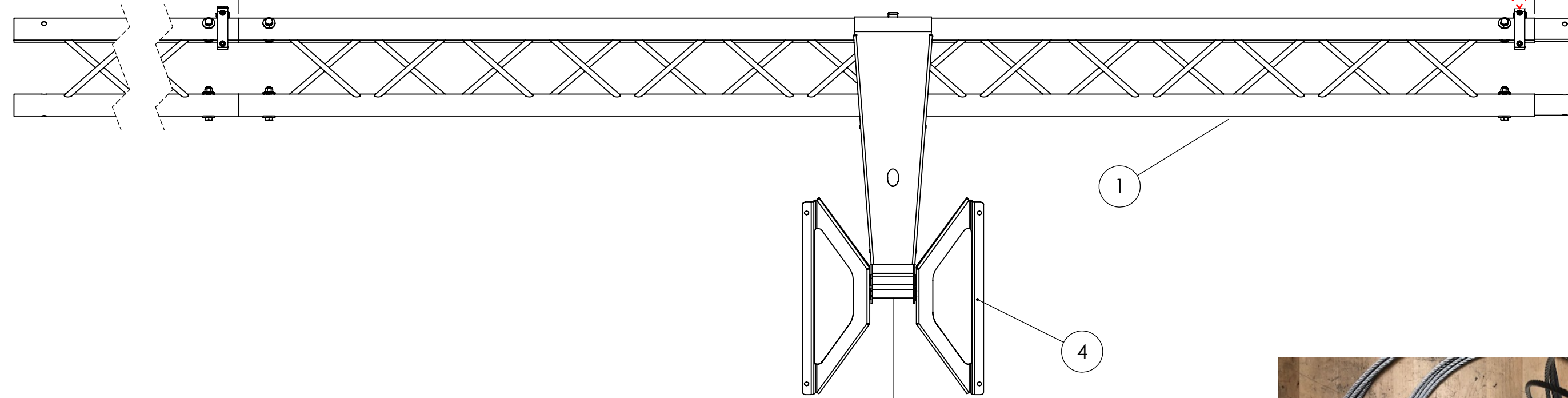
PRCT120250853



**MAXIMUM UNSUPPORTED SPAN 3M  
TRUSS PICKS MAY BE PLACED ANYWHERE ON THE SPAN  
AND TERMINATE THE END OF SPAN**

[3000]  
118.11

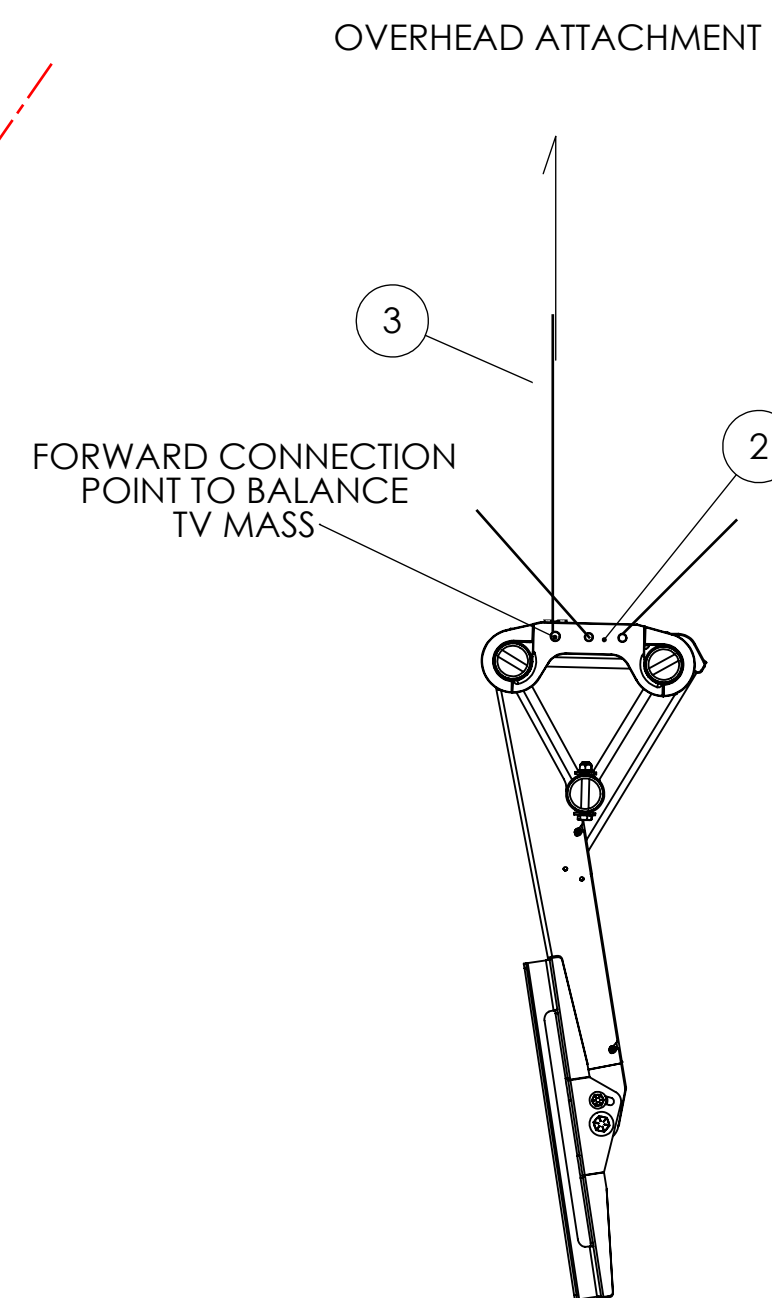
NOTE:  
PROVIDE AXIAL SWAY BRACE  
AT BOTH ENDS OF TRUSS  
SYSTEM. ATTACHED TO  
TRUSS PICK WITH EYE HOLD,  
SEE PHOTO



MAXIMUM  
POINT LOAD



EYE HOLDS



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IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:	DRAWN	NAME	DATE
DIMENSIONS ARE IN INCHES	T.O.		
TOLERANCES:	CHECKED	M.C.	
FRACTIONAL ± 1/32	ENG APPR.	S.H.	
ANGULAR: MAX ± .25 BEND ± .5	MFG APPR.		
TWO PLACE DECIMAL ± .01	G.A.		
THREE PLACE DECIMAL ± .005	COMMENTS:		
MATERIAL			
FINISH			



TITLE:  
**SUSPENDED UNDERSLUNG  
SYSTEM**

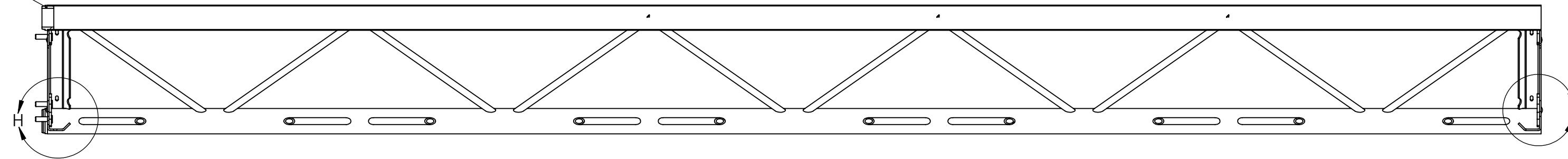
SIZE DWG. NO. REV  
**D** TV Mount Methods Assembly Drawing-A **A**  
SCALE: 1:20 WEIGHT: SHEET 3 OF 3

TV Mount Methods Assembly Drawing-A

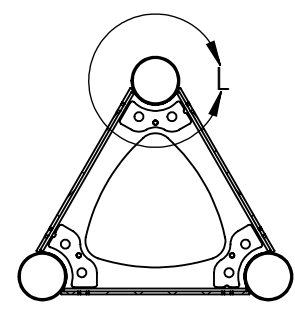
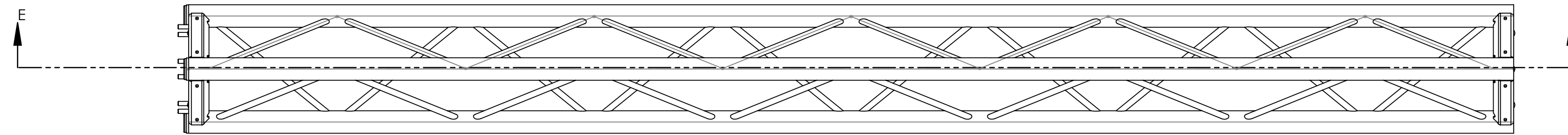
GENERAL NOTES:

MATERIAL: PER NOTATIONS  
 FINISH: NONE  
 WELDING: ALL ALUMINUM WELDING PER AWS D1.2  
 WELD PROCESS: TIG/ROBOTIC MIG

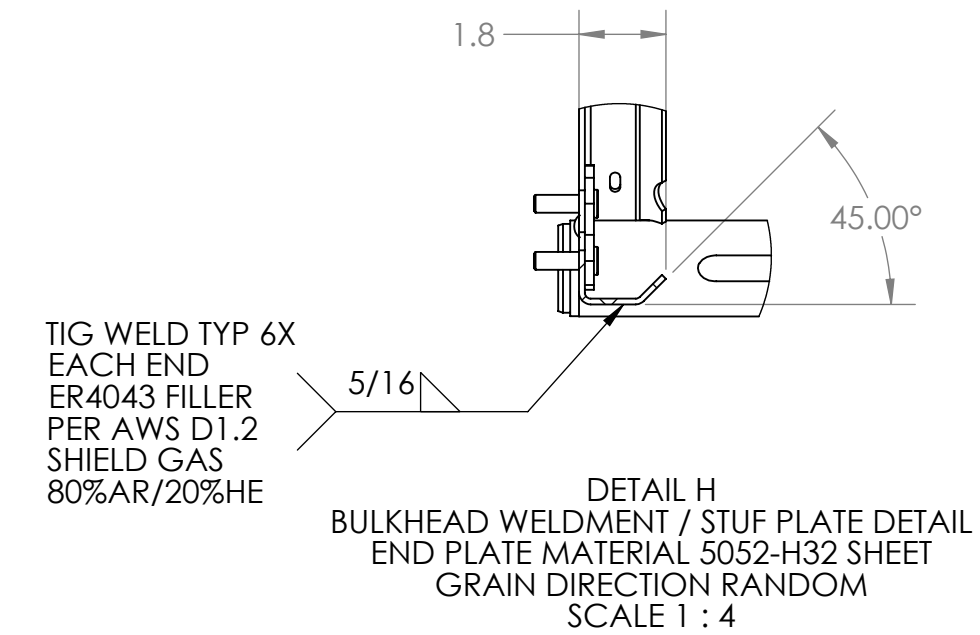
TURNED ALUMINUM  
 PILOT INSERT  
 INTERFERENCE FIT  
 TYP (3X)



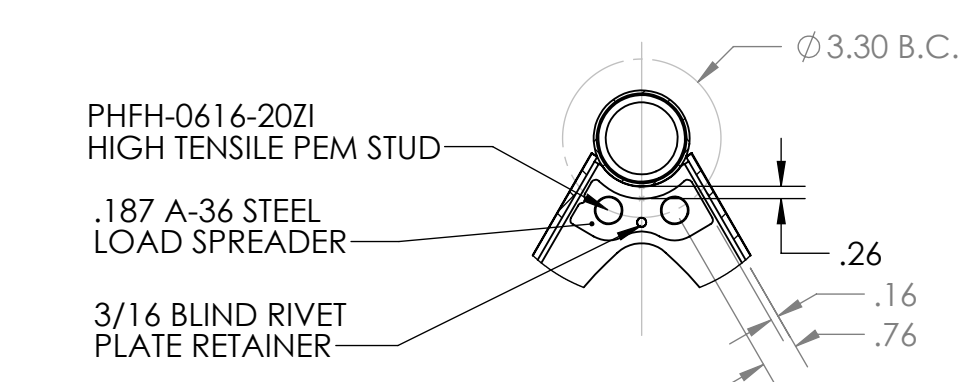
SECTION E-E  
 SCALE 1 : 8



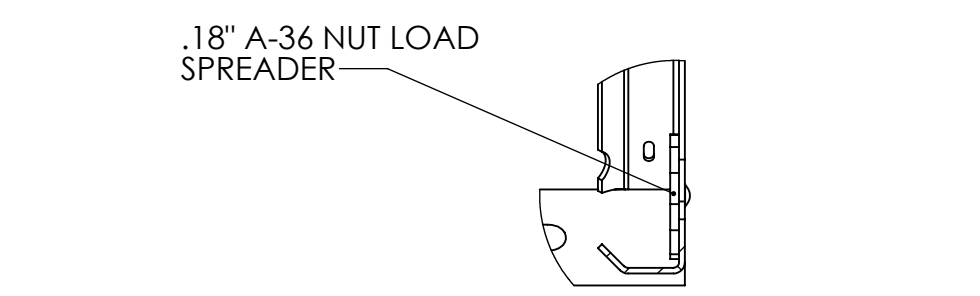
SECTION C-C  
 SCALE 1 : 8



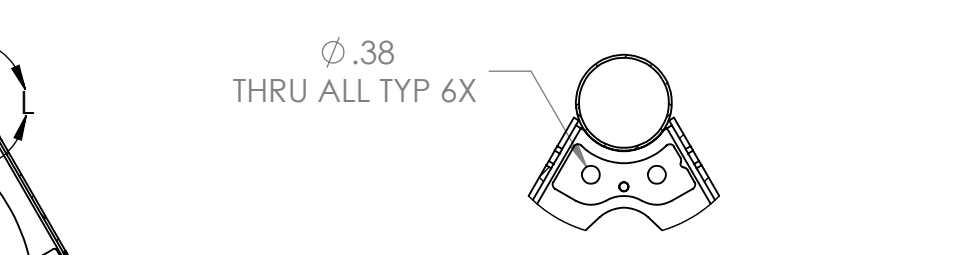
DETAIL H  
 BULKHEAD WELDMENT / STUF PLATE DETAIL  
 END PLATE MATERIAL 5052-H32 SHEET  
 GRAIN DIRECTION RANDOM  
 SCALE 1 : 4



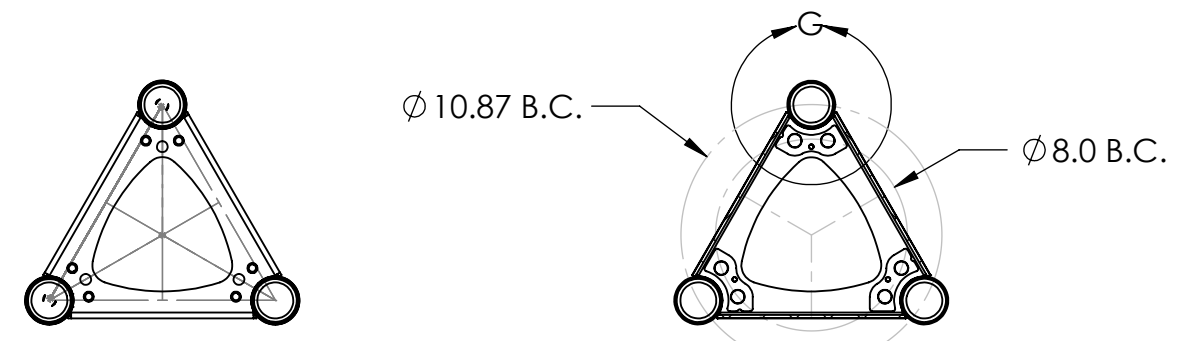
DETAIL G  
 STUD/LOAD SPREADER DETAIL  
 SCALE 1 : 4



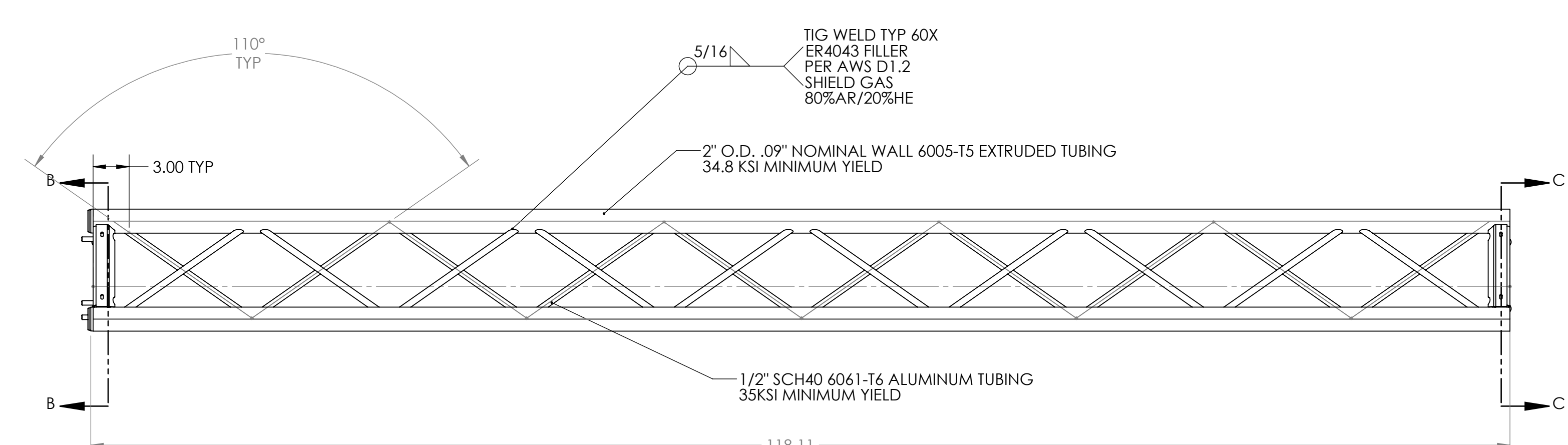
DETAIL K  
 NUT LOAD SPREADER  
 SCALE 1 : 4



DETAIL L  
 SCALE 1 : 4



SECTION B-B  
 SCALE 1 : 8



TIG WELD TYP 60X  
 ER4043 FILLER  
 PER AWS D1.2  
 SHIELD GAS  
 80%AR/20%HE

2" O.D. .09" NOMINAL WALL 6005-T5 EXTRUDED TUBING  
 34.8 KSI MINIMUM YIELD

1/2" SCH40 6061-T6 ALUMINUM TUBING  
 35KSI MINIMUM YIELD

**ESPAKX**  
 (866) 725-6176  
 602 FRONT ST. ESSINGTON, PA 19029

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	
DIMENSIONS ARE IN INCHES	M.C.	6/2/2018	
TOLERANCES:	T.O.	6/15/2018	
FRACTIONAL ± 1/32	ENG APPR.	J.K.	8/2/2018
ANGULAR: MAX ± .25 BEND ± .5	MFG APPR.	M.C.	8/5/2018
TWO PLACE DECIMAL ± .01			
THREE PLACE DECIMAL ± .005			

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INTERPRET GEOMETRIC TOLERANCING PER:  
 MATERIAL  
 FINISH

COMMENTS:

Q.A.

290MM BOLTED TRI-TRUSS

SIZE DWG. NO. REV  
 D ESP-TRI-BH-290-3M A

SCALE: 1:12 WEIGHT: SHEET 1 OF 1

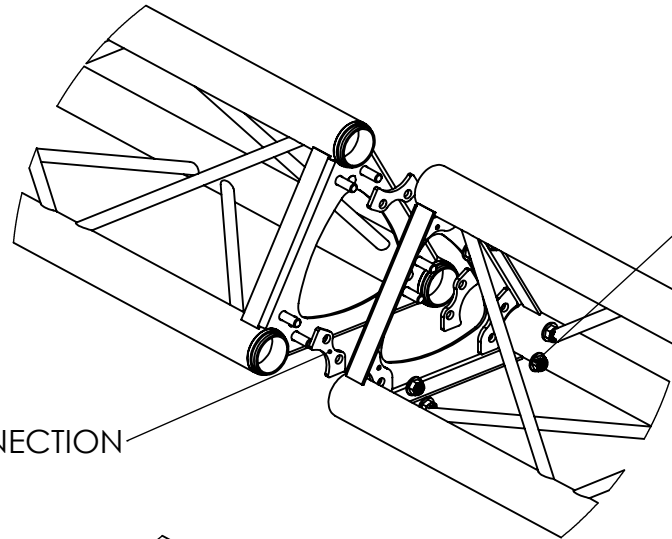
REV  
 D ESP-TRI-BH-290-3M

# ESP-TRI-290-B FIELD ASSEMBLY DETAIL

PRCTI20250853



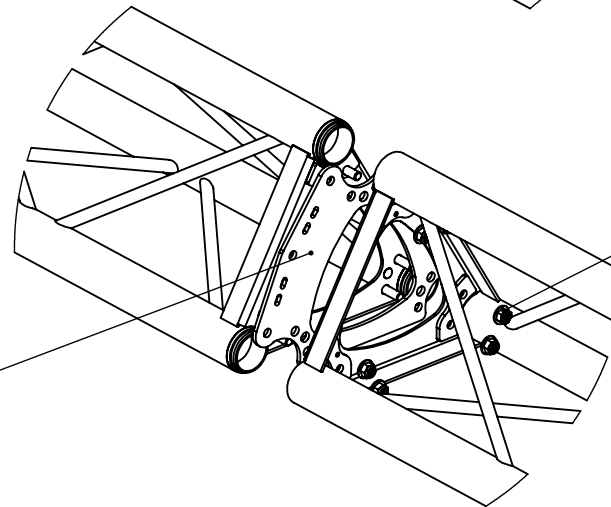
ESP-TRI-290-B WITH SPACERS  
INSTALLED FOR CHORD TRUSS PICK  
ATTACHMENT



3/8-16 UNC GRADE G  
FLANGE NUT TORQUE TO 8 LB-FT  
QTY 6 PER CONNECTION

SPACER PLATE QTY 3 PER CONNECTION

ESP-TRI-290-B WITH GIRDPICK  
INSTALLED



3/8-16 UNC GRADE G  
FLANGE NUT TORQUE TO 8 LB-FT  
QTY 6 PER CONNECTION

ESP-TRI-290-B-GIRDPICK

**!!! IMPROPER ASSEMBLY CAN CAUSE STRUCTURAL FAILURE !!!**  
**PLEASE VERIFY ALL COMPONENTS ARE PRESENT AND**  
**UNDAMAGED PRIOR TO ASSEMBLY**  
**DO NOT SUBSTITUTE ANY COMPONENTS IN THE LOAD PATH**

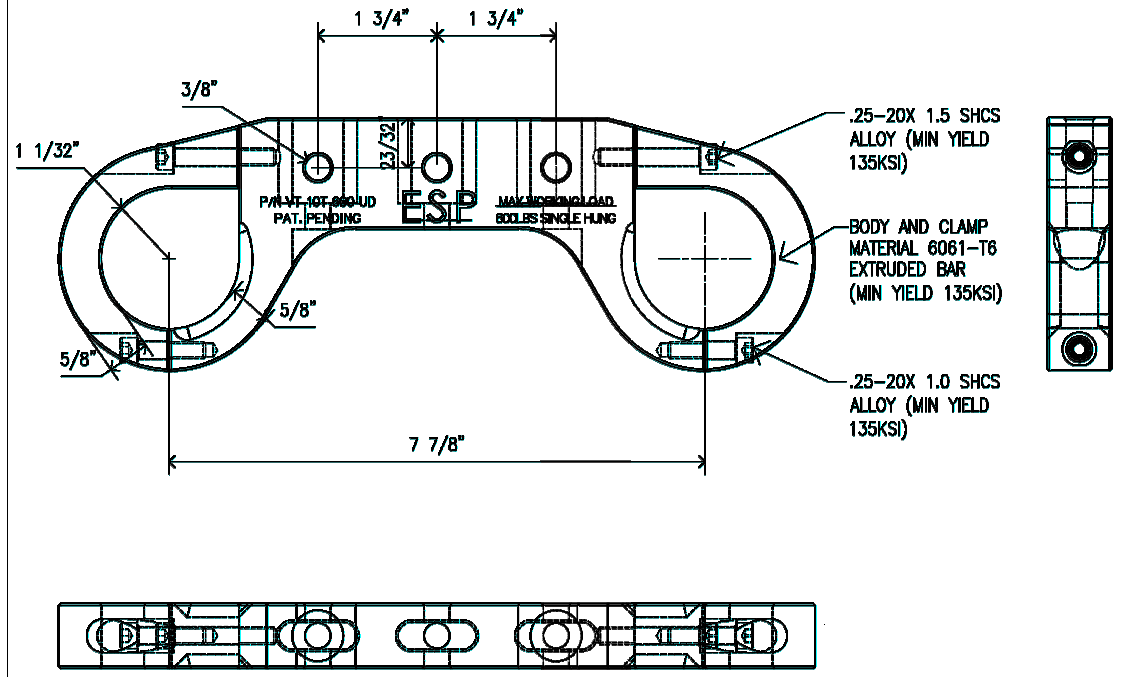
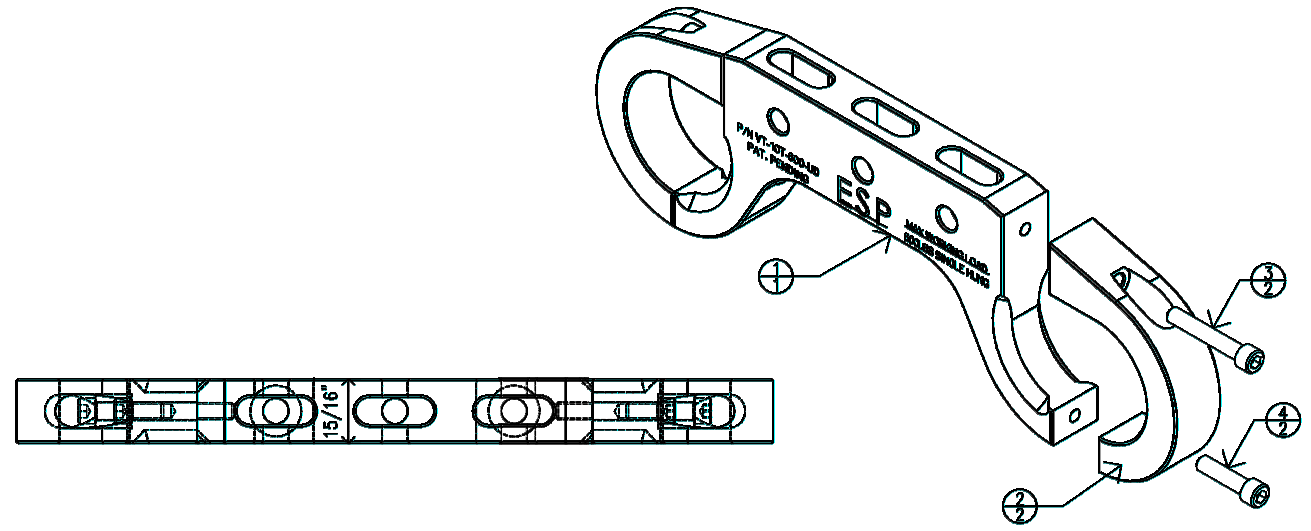
**GENERAL NOTES:**

MATERIAL: 6061-T6 ALUMINUM

FINISH: NONE OR TYPE 2 CLASS 2 ANODIZE  
PER CUSTOMER COLOR SPECIFICATION

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	VT-10T-600-UD_ VERSATRUSS BODY	MACHINED BODY	1
2	VT-10T-600-UD_ CLAMP VERSATRUSS	MACHINED CLAMP	2
3	HK-SHCS 0.25-20x1.5x1-N	1/4-20 X 1.5 ALLOY SHCS	2
4	HK-SHCS 0.25-20x1x1-N	1/4-20 X 1 ALLOY SHCS	2

PRCTI20250853



# Standard Hanger (HF)

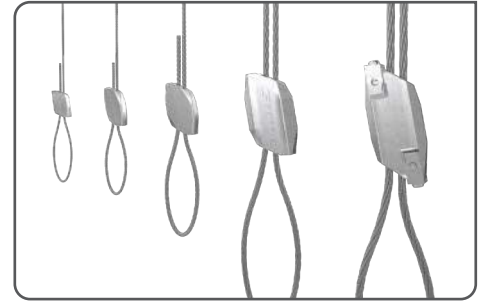


Cable hanger with fastener for the fast suspension of a variety of services in an indoor stationary setting. NOT suitable for use in chlorinated / swimming pool environments.

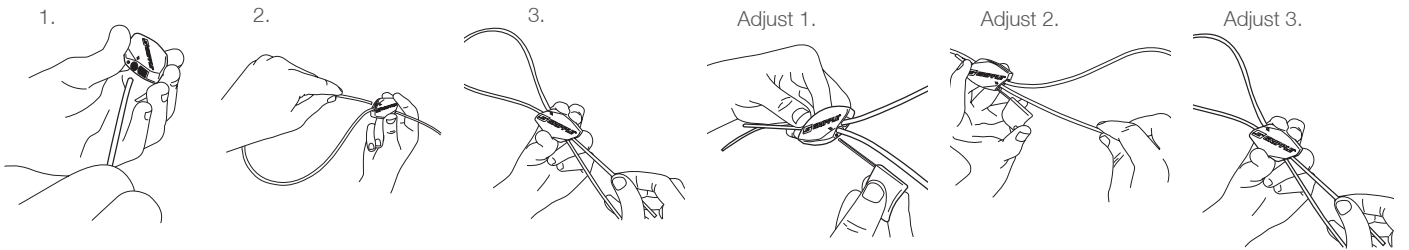
PRCTI20250853

## FEATURES / BENEFITS

- Up to six times faster to install than traditional hanging systems
- Versatile and simple to use
- Strong, safe and industry approved
- Aesthetically discreet and lightweight
- Supplied in ready-to-use kits, comprising a length of cable and pre-attached end fixing, and a Release Key

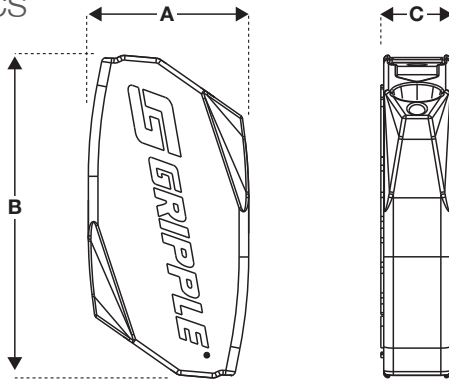


## INSTALLATION & ADJUSTMENT



Ensure a minimum 3 inches of tail cable exits the hanger.

## SIZE SPECS



Dimension	No.1 (inches)	No.2 (inches)	No.3 (inches)	No.4 (inches)	No.5 (inches)
A	0.63	0.71	1.02	1.47	1.69
B	0.94	1.34	1.69	2.44	4.17
C	0.24	0.31	0.31	0.43	0.51

## AVAILABLE END FIXINGS



For more options on available end fixings please contact us or visit [www.gripple.com](http://www.gripple.com)

## CABLE SPECS

Galvanized high tensile steel cable to EN12385. Standard lengths from 5ft-30ft, other lengths can be made to order.

	No.1	No.2	No.3	No.4	No.5
Cable Diameter	1/16"	5/64"	1/8"	3/16"	1/4"
Strand Configuration	7x7	7x7	7x7	7x19	7x19
Min. Breaking Load	125 lbs	500 lbs	1000 lbs	2475 lbs	3575 lbs
Max. Safe Working Load	25 lbs	100 lbs	200 lbs	495 lbs	715 lbs
Tensile Strength (lbs/sq.in.)	256,700	256,700	256,700	256,700	256,700

## FASTENER SPECS

- Housing** - Type ZA2 Zinc
- Wedge** - Sintered steel hardened to min. 56 Rockwell C
- Spring** - Stainless Steel (Type 302)
- End Cap** - No.1-4: UV stabilized homopolymer propylene; No.5: Type ZA2 Zinc

**Safe Working Loads:**  
 No.1 - up to 25 lbs  
 No.2 - up to 100 lbs  
 No.3 - up to 200 lbs  
 No.4 - up to 495 lbs  
 No.5 - up to 715 lbs  
 All with a 5:1 safety factor

PI-STDHANGER-US

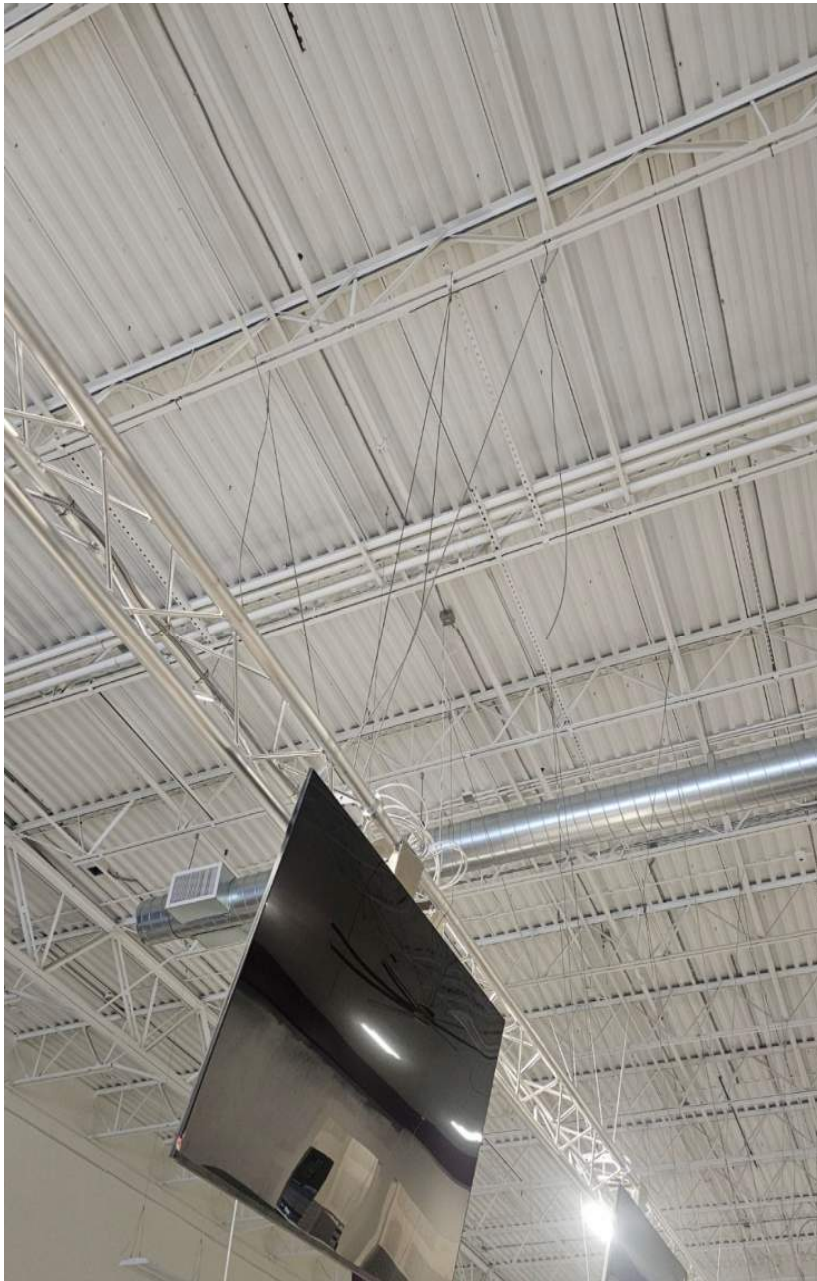
[www.gripple.com](http://www.gripple.com)

Gripple's policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.

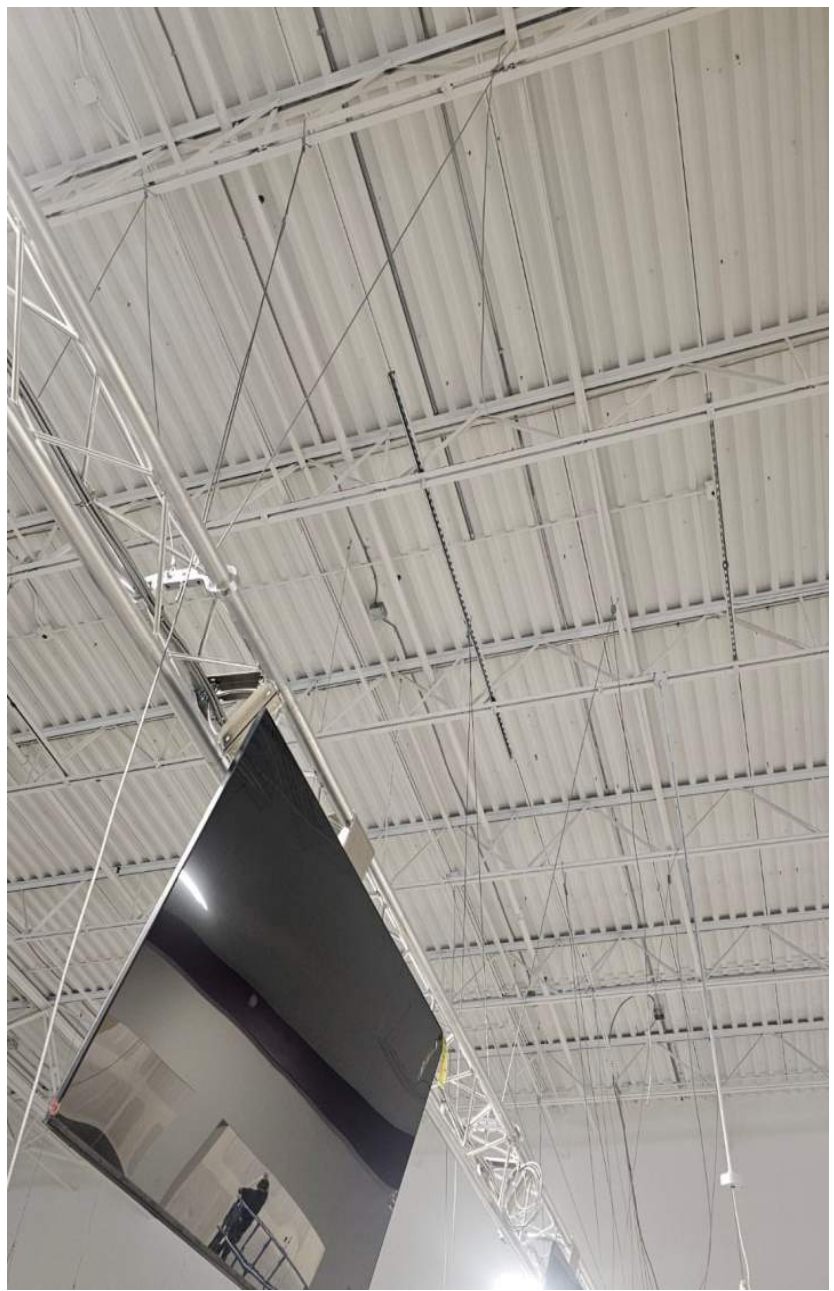
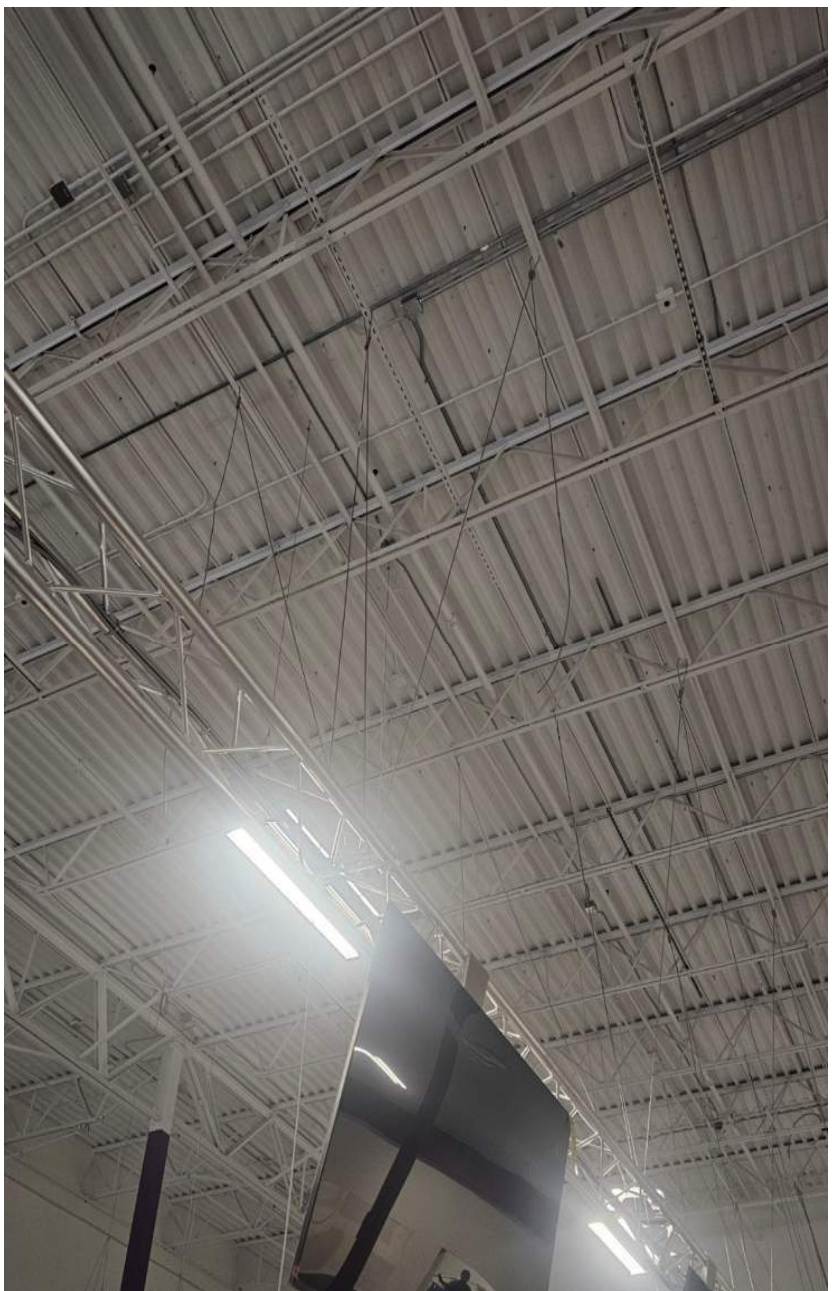


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PHOTOS OF TELEVISION TRUSS WITH  
VT-10-600UD TRUSS PICK POINT



PHOTOS OF TELEVISION TRUSS WITH VT-10-600UD TRUSS PICK POINT



PHOTOS OF TELEVISION TRUSS WITH VT-10-600UD TRUSS PICK POINT