

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 WEIGHS 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.

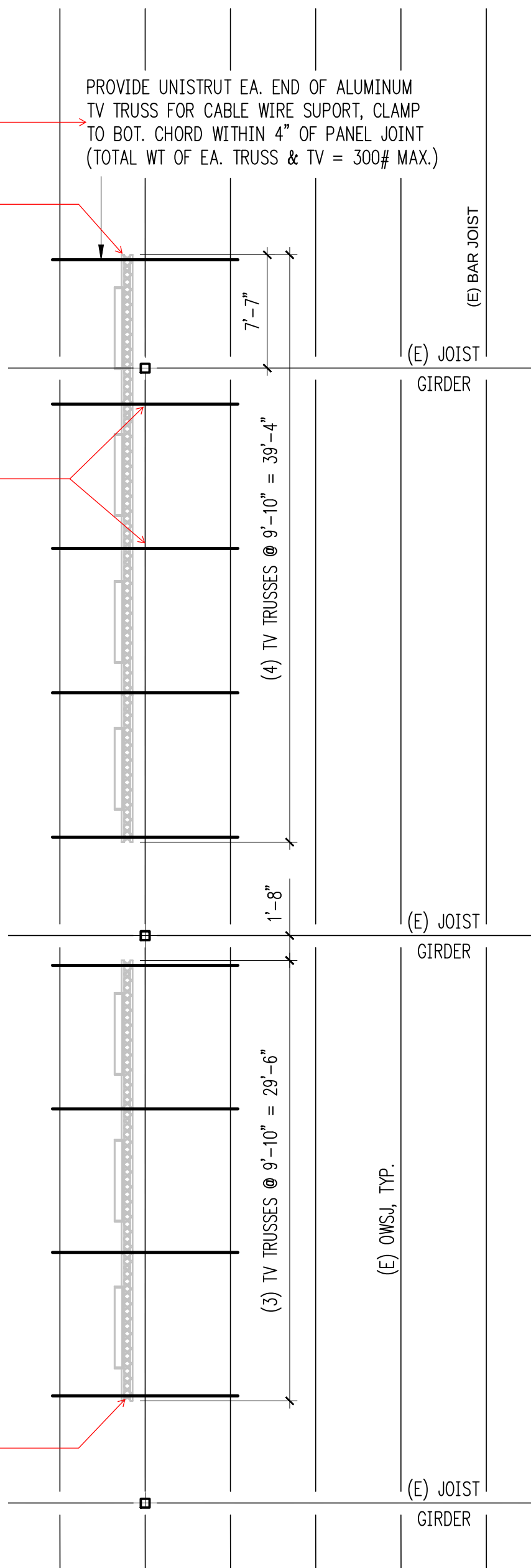
STRUCTURAL SUPPORTS PER
STRUCTURAL DRAWINGS

PROVIDE SWAY BRACING AT
ENDS FOR SEISMIC CONDITIONS

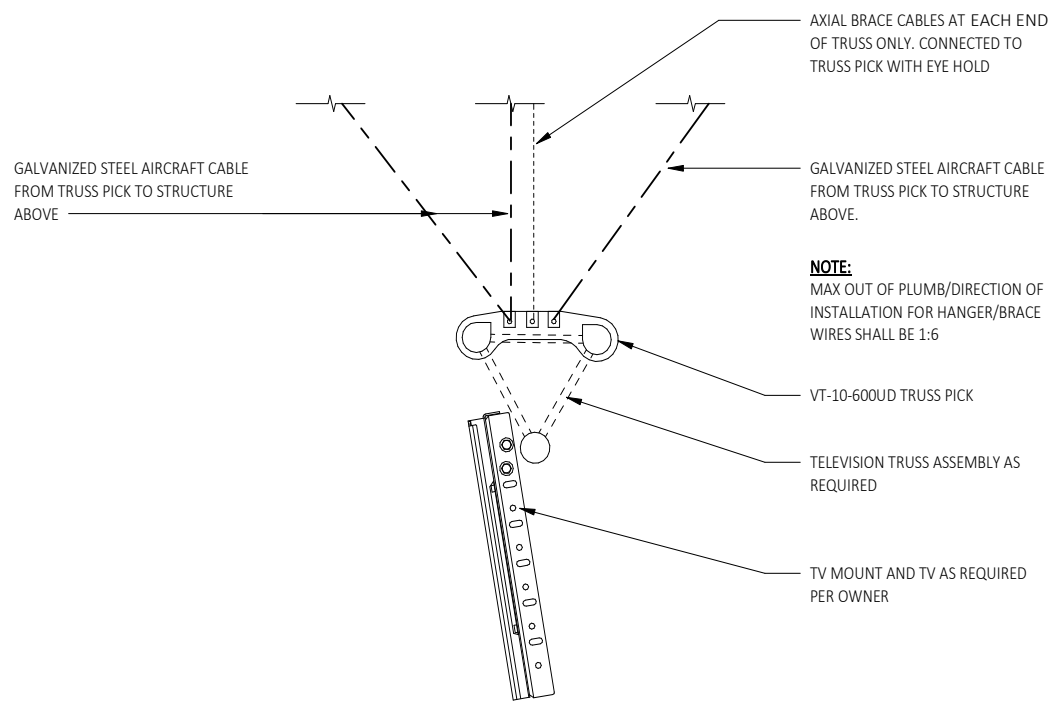
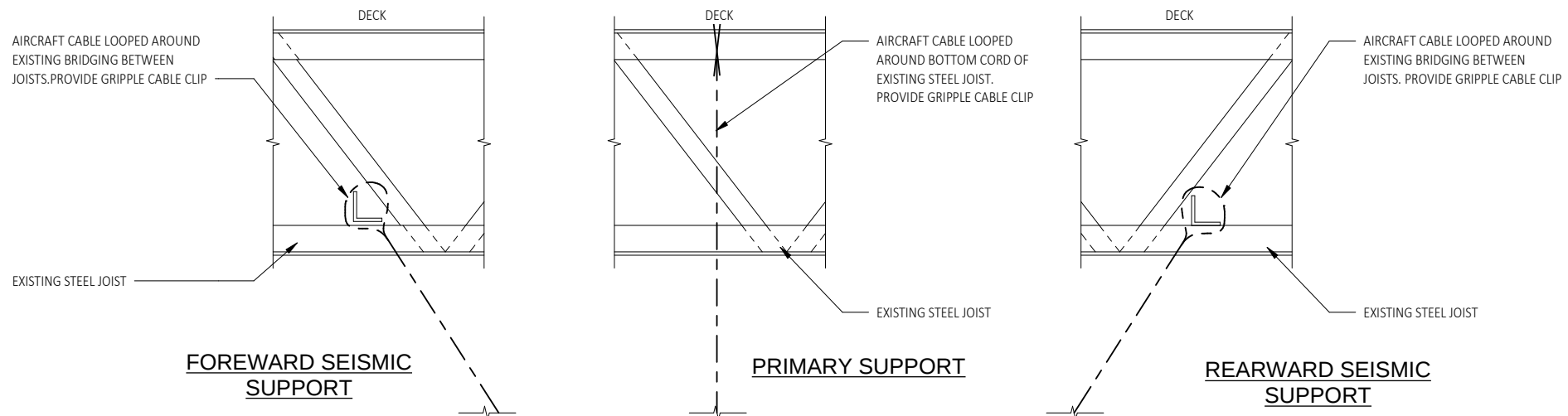
UNISTRUT PROVIDED AT "PICK
POINTS" - SUSPENSION POINTS
FOR TRUSS, TYPICAL

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"

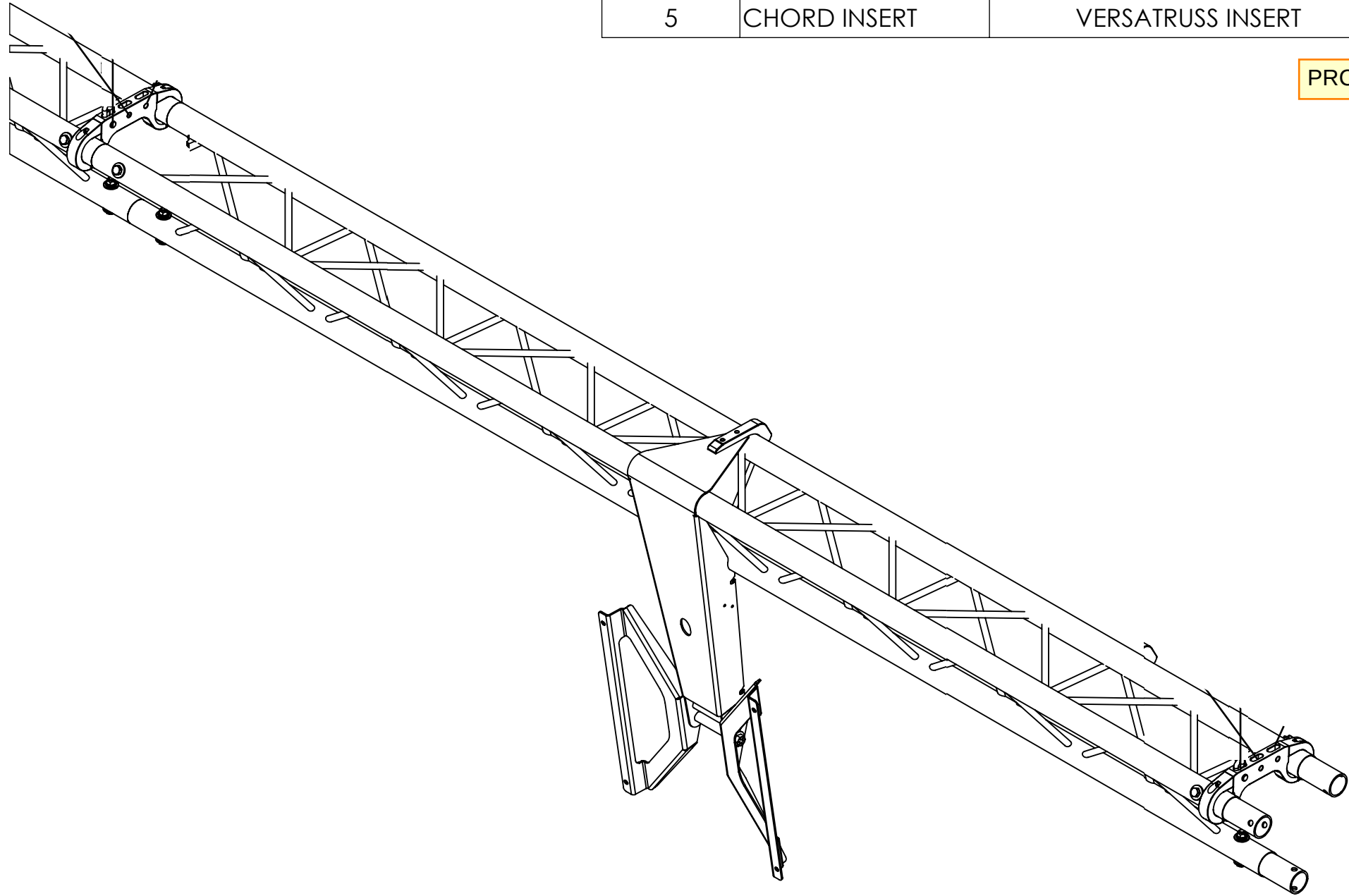
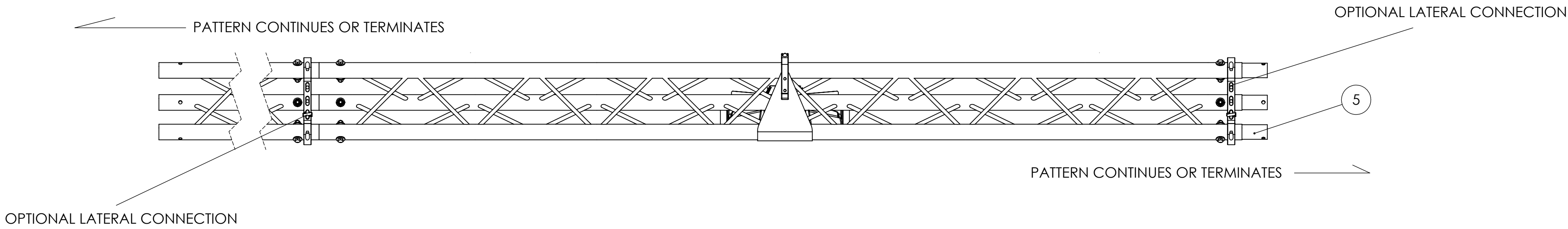
GENERAL NOTES:

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

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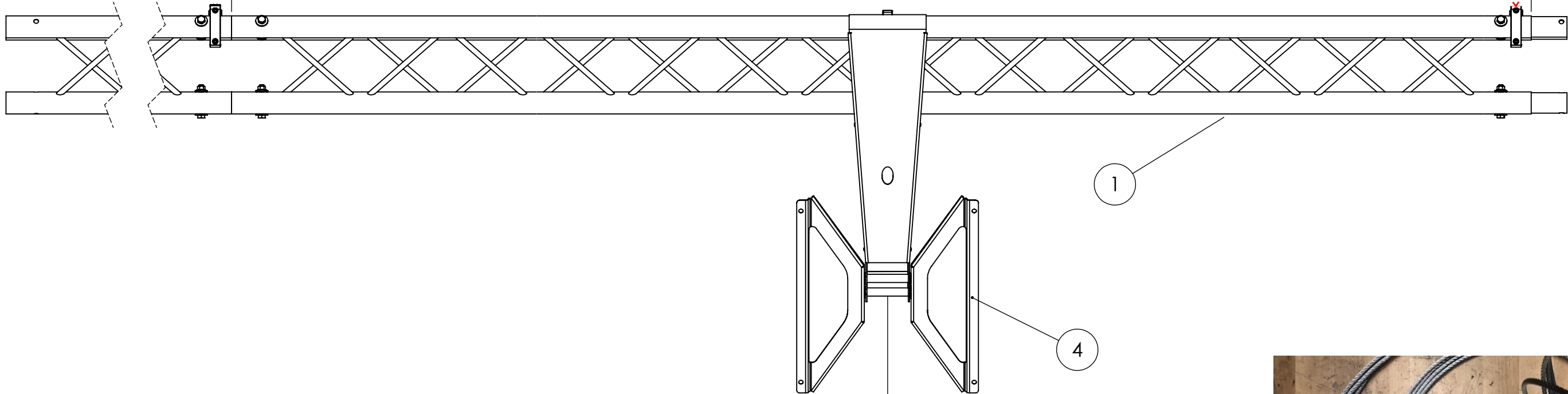
MAXIMUM UNSUPPORTED SPAN 3M
TRUSS PICKS MAY BE PLACED ANYWHERE ON THE SPAN
AND TERMINATE THE END OF SPAN

[3000]
118.11

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

OVERHEAD ATTACHMENT

FORWARD CONNECTION
POINT TO BALANCE
TV MASS



MAXIMUM
POINT LOAD



EYE HOLDS

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

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

TITLE:
SUSPENDED UNDERSLUNG
SYSTEM

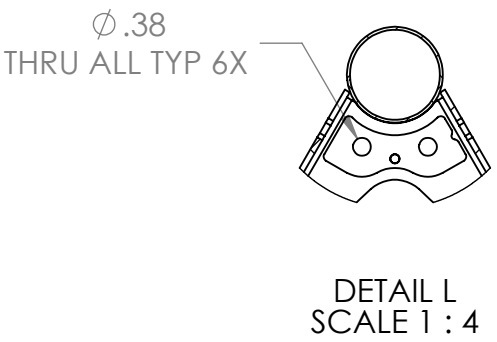
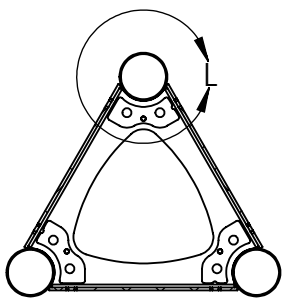
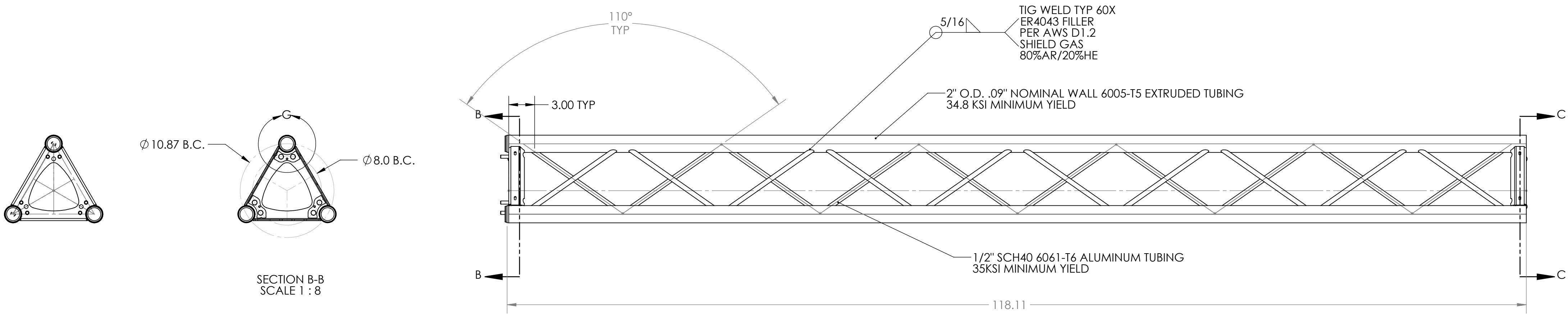
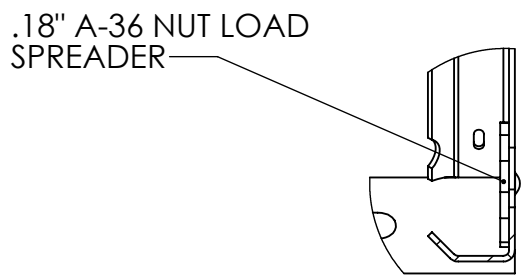
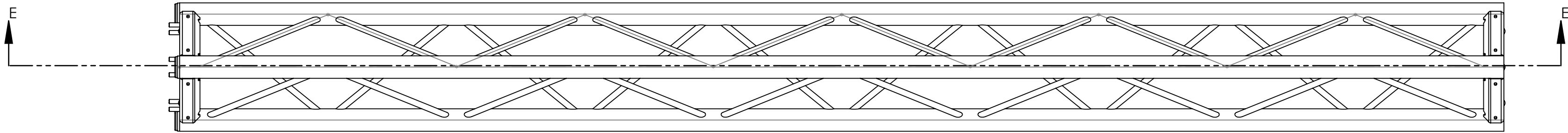
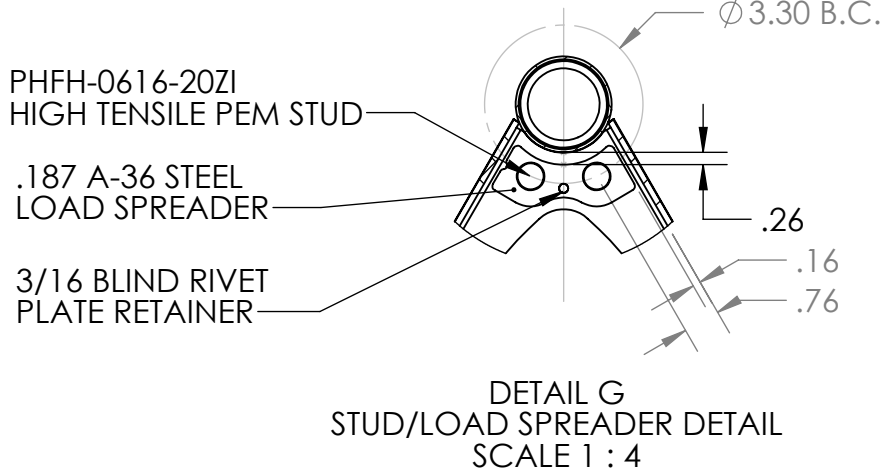
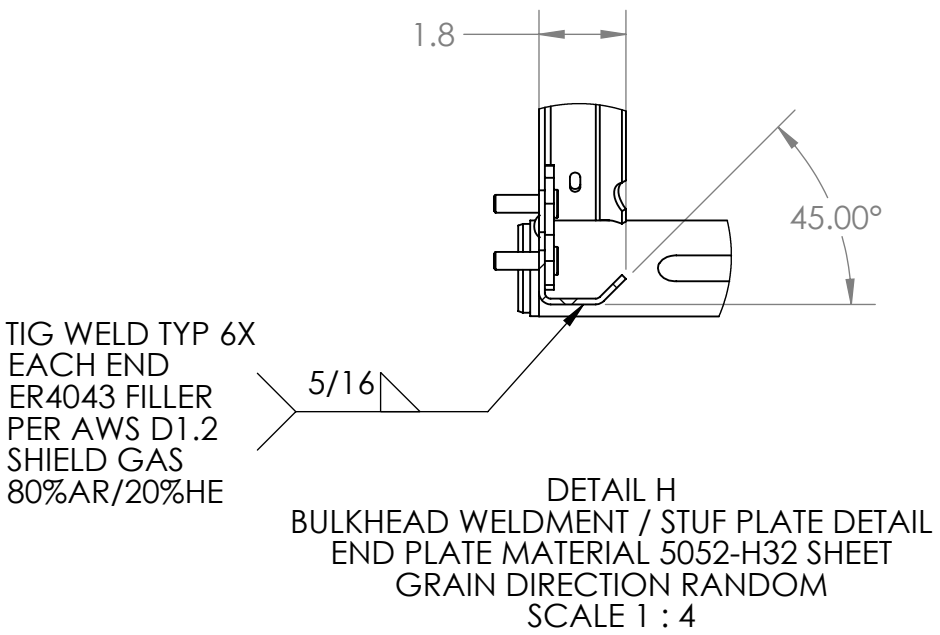
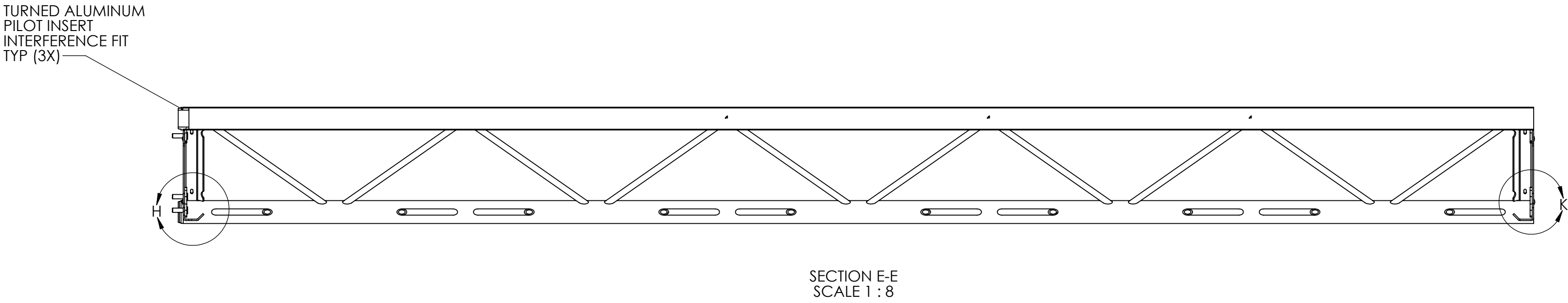
SIZE DWG. NO. REV
D TV Mount Methods Assembly Drawing-A A

SCALE: 1:20 WEIGHT: SHEET 3 OF 3

GENERAL NOTES:

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

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DIMENSIONS ARE IN INCHES		DRAWN	M.C.
TOLERANCES:		CHECKED	T.O.
FRACTIONAL ± 1/32		ENG APPR.	J.K.
ANGULAR: MAX ± .25 BEND ± .5		MFG APPR.	M.C.
TWO PLACE DECIMAL ± .01			
THREE PLACE DECIMAL ± .005			

Q.A.	
COMMENTS:	

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

TITLE:
290MM BOLTED TRI-TRUSS

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

SCALE: 1:12 WEIGHT:
SHEET 1 OF 1

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

ESP-TRI-290-B FIELD ASSEMBLY DETAIL

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

SPACER PLATE QTY 3 PER CONNECTION

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

ESP-TRI-290-B WITH GIRDLEPICK
INSTALLED

ESP-TRI-290-B-GIRDLEPICK

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

!!! 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

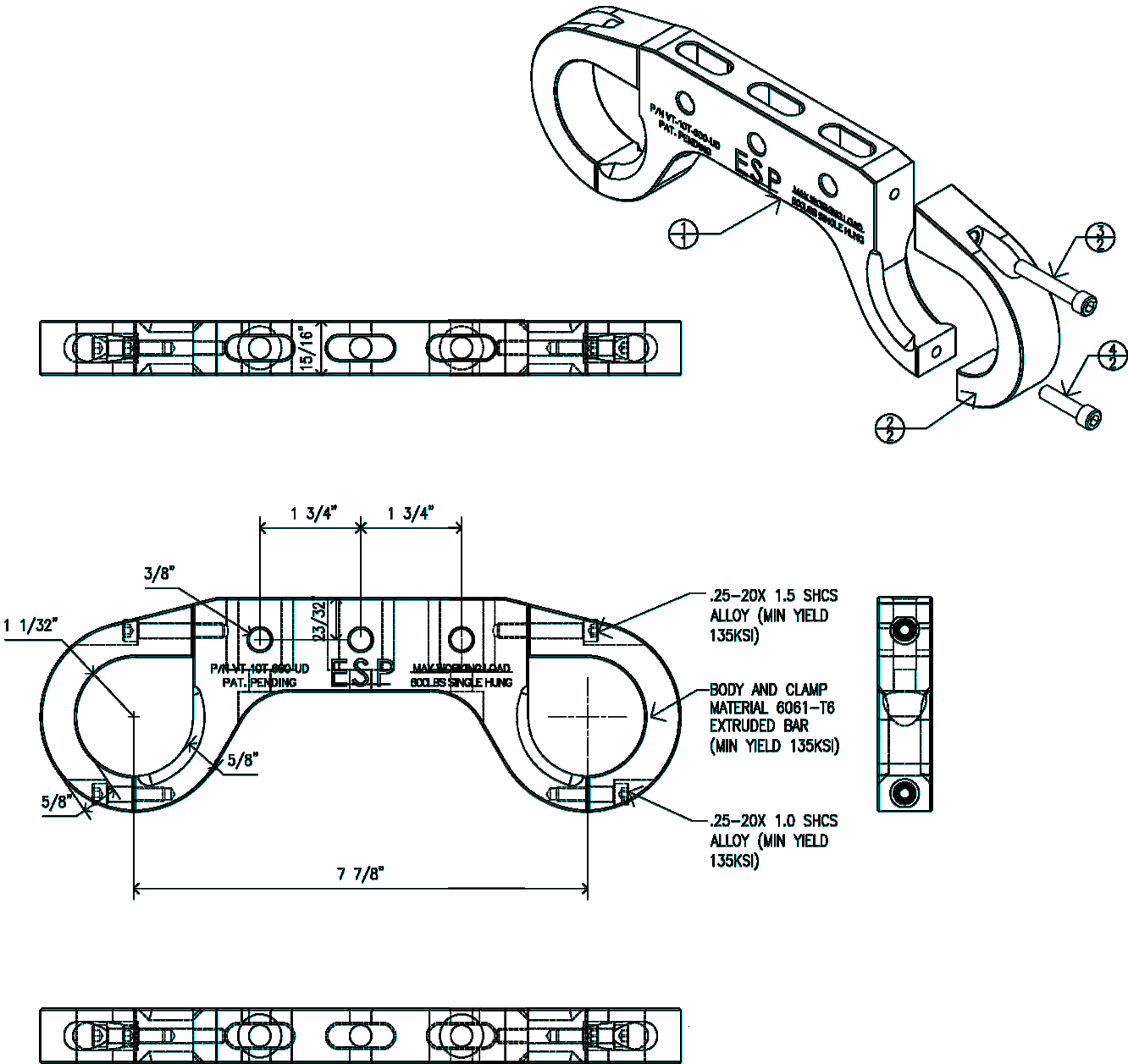
GENERAL NOTES:

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	1
2	VT-10T-600-UD_	CLAMP VERSATRUSS	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

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Standard Hanger (HF)

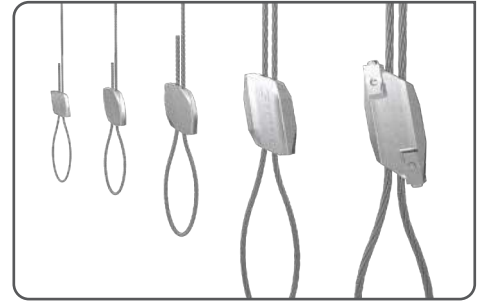


Cable hanger with fastener for the fast suspension of a variety of services in an indoor stationary setting.
NOT suitable for use in chlorinated / swimming pool environments.

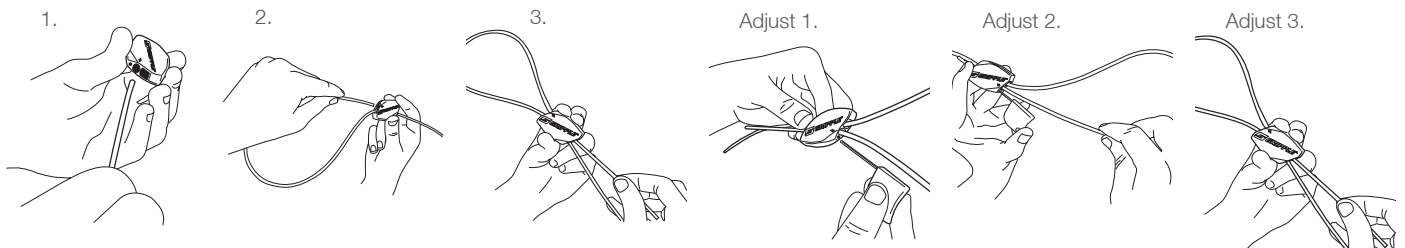
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FEATURES / BENEFITS

- 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

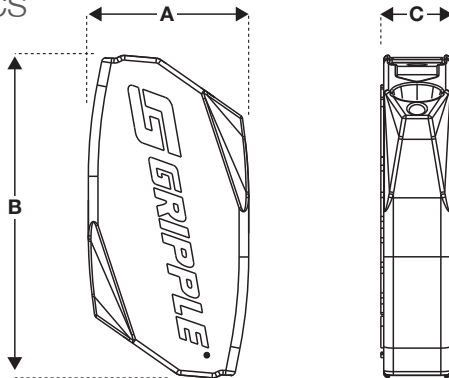


INSTALLATION & ADJUSTMENT



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

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

AVAILABLE END FIXINGS



For more options on available end fixings please contact us or visit 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

PI-STDHANGER-US

www.gripple.com

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

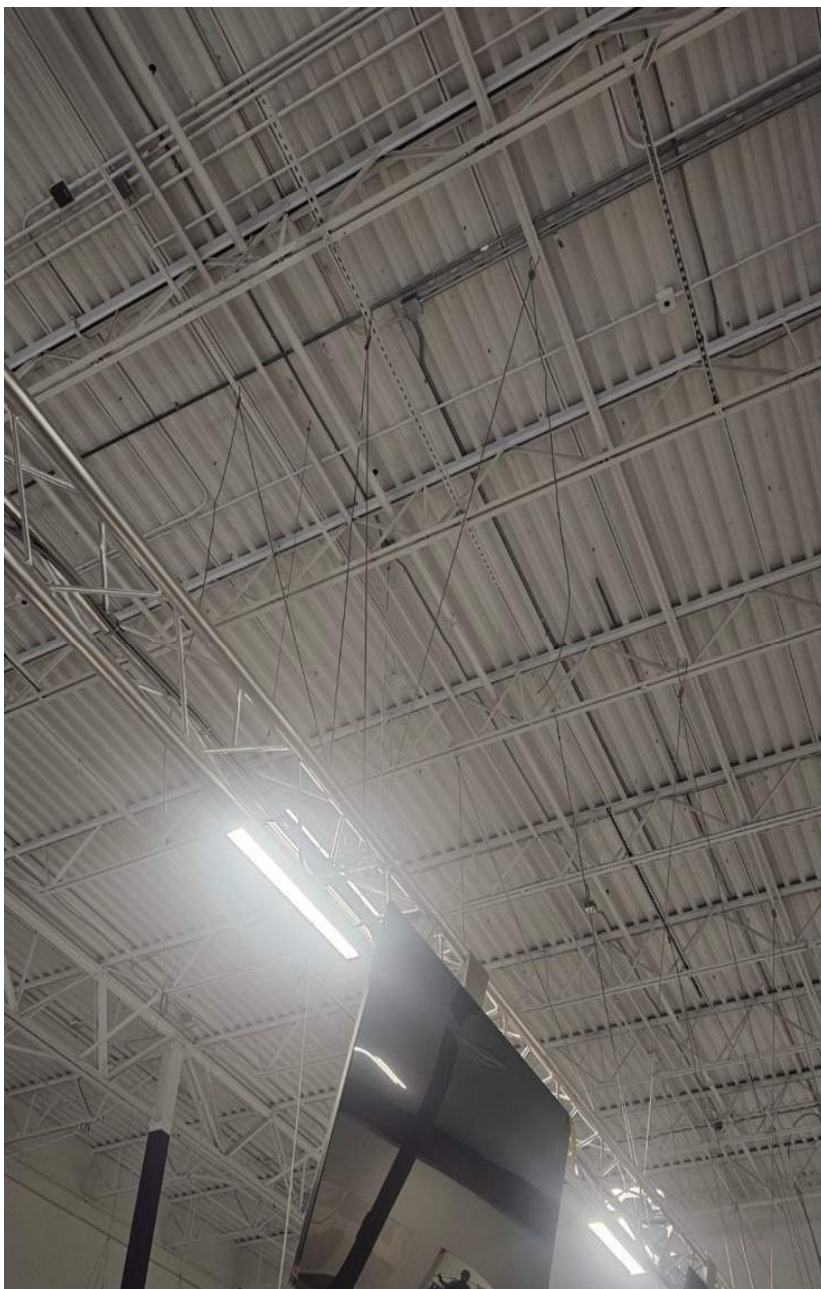


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PHOTOS OF TELEVISION TRUSS WITH
VT-10-600UD TRUSS PICK POINT



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



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