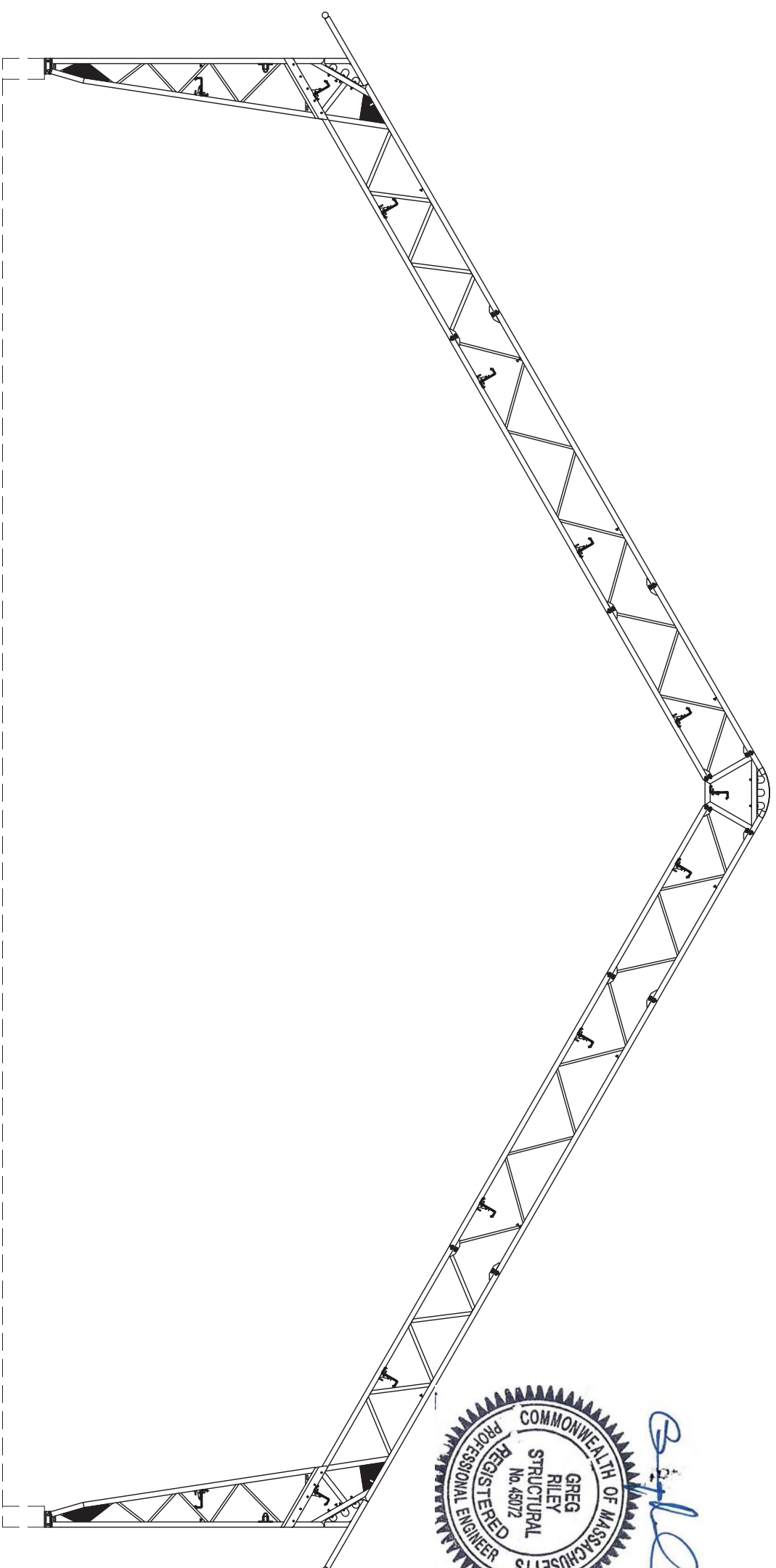


70' VP STRUCTURE



SITE LOCATION	
LAT / LONG	APPROX. 42°12'30.55"N, 71°22'23.58"W
ADDRESS	16 NASON HILL LANE
CITY/TOWN	SHERBORN
STATE	MASSACHUSETTS
COUNTRY	USA

PROJECT DESCRIPTION	
DEALER	IRON HORSE STRUCTURES
OWNER'S NAME	WILDSTAR FARM
MODEL	VPE - KEDER COVER
WIDTH X LENGTH	70' X 216'
TRUSS SPACING	12' & 16' o/c
FABRIC TYPE	Q315W 12.1 oz/yd² PE NON-FR
USE AND OCCUPANCY	AGRICULTURAL - STANDARD HAZARD
SNOW LOAD	35 PSF
WIND LOAD	105 MPH, "B" EXPOSURE

DRAWING INDEX		
DWG No.	SHEET No.	TITLE
1.01	1 OF 13	TITLE SHEET
2.01	2 OF 13	GENERAL STRUCTURAL NOTES
3.01	3 OF 13	DETAILED REACTIONS / ISOMETRIC
4.01	4 OF 13	FOUNDATION PLAN
5.01	5 OF 13	EXTRUSION LAYOUT
6.01	6 OF 13	FRAMING PLAN
7.01	7 OF 13	ELEVATION A
8.01	8 OF 13	ELEVATION B
9.01	9 OF 13	ELEVATION C
10.01	10 OF 13	DETAILS
11.01	11 OF 13	DETAILS
12.01	12 OF 13	DETAILS
13.01	13 OF 13	DETAILS

TITLE SHEET 70' VP SERIES 404527 VPe 70X216 R1	
1.01 SHEET 1 OF 13 N T S	29/03/2017 DATE 1 REVISION / ISSUE

GRID(S) 1					
Node	L/C	Horizontal	Fy kip	Fz kip	Moment
Max Fx	42 D+CL+USL	4.52	6.76	1.42	5.38
Min Fx	42 D+CL+USL	-3.78	8.9	1.4	5.3
Max Fy	42 D+CL+USL	-3.78	8.9	1.4	5.3
Min Fy	42 D+CL+USL	-2.9	-10.17	4.22	20.62
Max Fz	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	2.9	-10.17	4.22	20.62
Min Fz	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-3.17	7.99	0.36	-4.84
Max Mx	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.9	-10.17	4.22	20.62
Min Mx	64.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	-3.17	7.99	0.36	-4.84
Max My	62.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	0.77	-0.72	0.87	2.3
Min My	48 D+CL+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	-1.01	-0.09	0.87	2.26
Max Mz	59.6D+WIND PERP (+CP) -IP PERP	-2.95	-1.86	2.01	8.55
Min Mz	42 D+CL+USL	4.52	6.76	1.42	5.38

GRID(S) 2					
Node	L/C	Horizontal	Fy kip	Fz kip	Moment
Max Fx	42 D+CL+USL	6.55	11.54	-0.87	-3.02
Min Fx	42 D+CL+USL	-7.12	18.86	-0.87	-2.98
Max Fy	42 D+CL+USL	-7.12	18.86	-0.87	-2.98
Min Fy	62.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	-0.06	-6.97	-1.48	6.32
Max Fz	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-1.03	-4.16	0.36	-1.43
Min Fz	50 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-0.32	-0.87	-4.19	-21.02
Max Mx	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-1.03	-4.16	0.36	-1.43
Min Mx	50 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-0.32	-0.87	-4.19	-21.02
Max My	61.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	0.75	-4.77	0.35	6.89
Min My	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-1.03	-4.16	0.36	-1.43
Max Mz	45 D+CL WIND PERP (+CP) -IP PERP	-1.71	4.56	-0.33	0.66
Min Mz	42 D+CL+USL	6.55	11.54	-0.87	-3.02

GRID(S) 3 TO 13					
Node	L/C	Horizontal	Fy kip	Fz kip	Moment
Max Fx	42 D+CL+USL	8.52	13.81	0	0
Min Fx	42 D+CL+USL	-8.53	21.56	0	0
Max Fy	42 D+CL+USL	-8.53	21.56	0	0
Min Fy	62.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	-0.68	-9.9	-0.08	-1.75
Max Fz	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	0.15	-8.78	0.32	6.92
Min Fz	50 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-1.01	1.86	-0.4	-8.69
Max Mx	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	0.15	-8.78	0.32	6.92
Min Mx	50 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-1.01	1.86	-0.4	-8.69
Max My	50 D+CL+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	-1.01	1.86	-0.4	-8.69
Min My	64.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	0.73	1.01	-0.4	-8.68
Max Mz	45 D+CL WIND PERP (+CP) -IP PERP	-3.5	2.21	0.06	1.3
Min Mz	42 D+CL+USL	8.52	13.81	0	0

GRID(S) 14					
Node	L/C	Horizontal	Fy kip	Fz kip	Moment
Max Fx	42 D+CL+USL	6.55	11.53	0.87	3.02
Min Fx	42 D+CL+USL	-7.12	18.86	0.87	2.97
Max Fy	42 D+CL+USL	-7.12	18.86	0.87	2.97
Min Fy	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-1.17	-9.91	3.51	17.36
Max Fz	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-0.89	-9.12	3.51	17.37
Min Fz	50 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	2.13	5.56	-0.38	-8.51
Max Mx	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-0.89	-9.12	3.51	17.37
Min Mx	50 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	2.13	5.56	-0.38	-8.51
Max My	50 D+CL+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	-2.13	5.56	-0.38	-8.51
Min My	64.6D+WIND PAR (+Z) +EDGE STRIP PAR (+Z) +IP PAR	1.85	4.97	-0.38	-8.42
Max Mz	45 D+CL WIND PERP (+CP) -IP PERP	-2.67	1.9	1.37	5.61
Min Mz	42 D+CL+USL	6.55	11.53	0.87	3.02

GRID(S) 15					
Node	L/C	Horizontal	Fy kip	Fz kip	Moment
Max Fx	42 D+CL+USL	4.53	6.77	-1.42	-5.38
Min Fx	42 D+CL+USL	-3.78	8.89	-1.4	-5.3
Max Fy	42 D+CL+USL	-3.78	8.89	-1.4	-5.3
Min Fy	64.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.73	-6.98	-5.04	-2.5
Max Fz	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.23	2.88	-0.27	3.99
Min Fz	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.73	-6.98	-5.04	-2.5
Max Mx	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.23	2.88	-0.27	3.99
Min Mx	64.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.73	-6.98	-5.04	-2.5
Max My	47 D+CL+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	-2.47	3.5	-0.27	3.99
Min My	61.6D+WIND PAR (-Z) +EDGE STRIP PAR (-Z) +IP PAR	2.24	2.91	-0.27	3.93
Max Mz	59.6D+WIND PERP (+CP) -IP PERP	-1.7	1.26	-0.97	-2.97
Min Mz	42 D+CL+USL	4.53	6.77	-1.42	-5.38

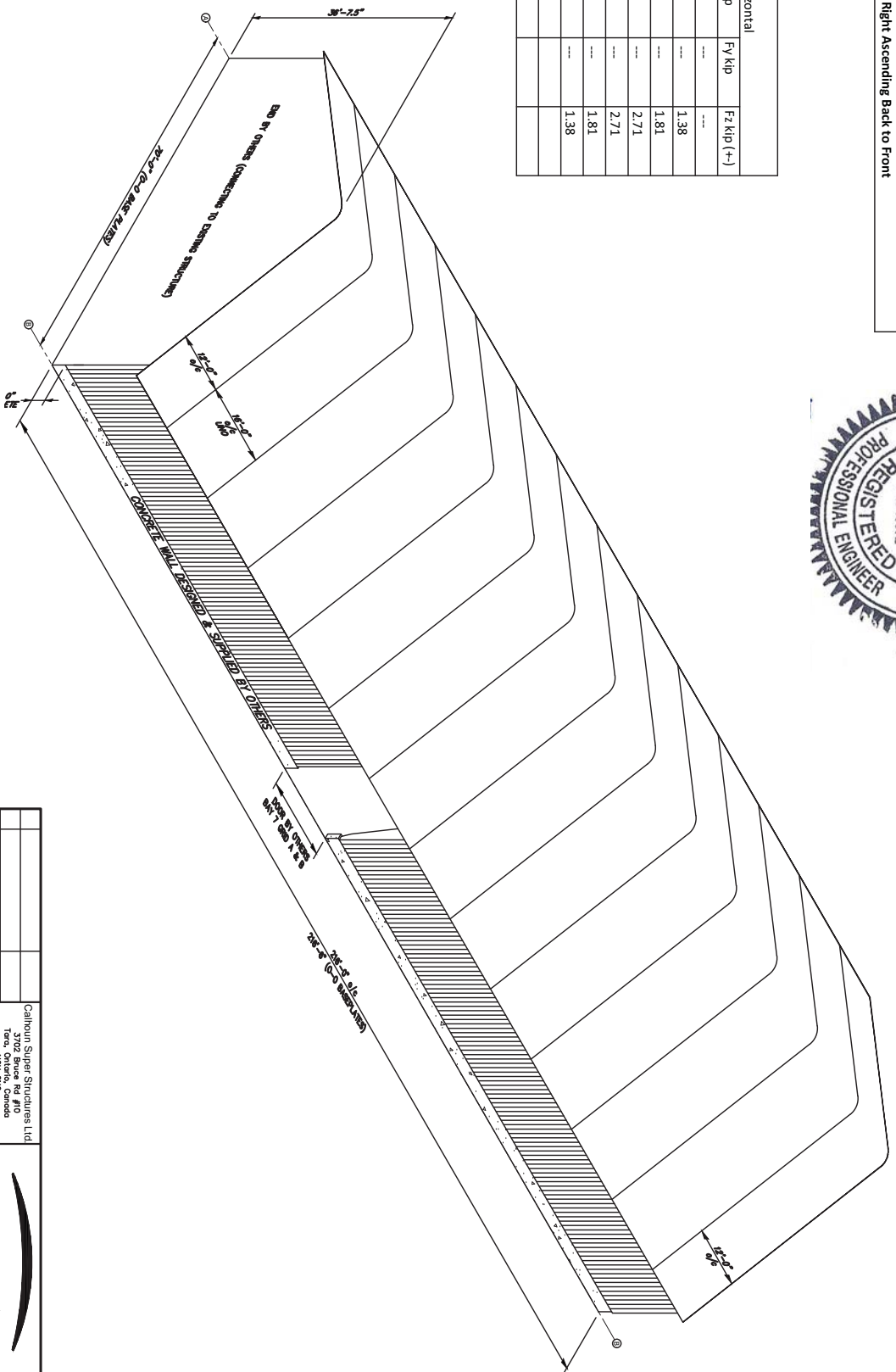
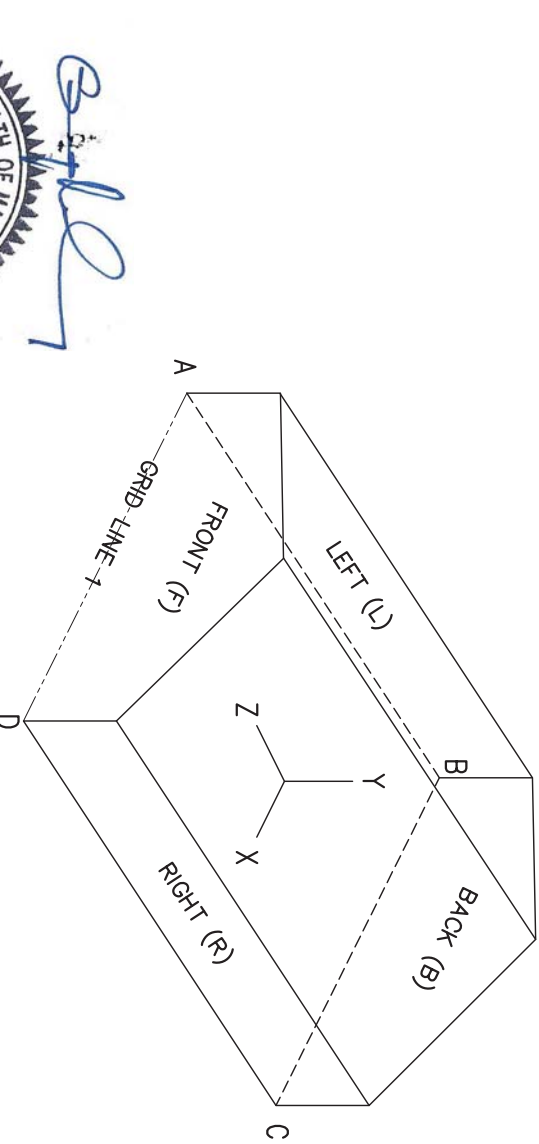
Component Load Cases US

* DEAD (D)
* COLLATERAL (CL)
* ROOF LIVE (RL)
* BALANCED SNOW (BSU)
* UNBALANCED SNOW LEFT TO RIGHT (USL L2R)
* UNBALANCED SNOW RIGHT TO LEFT (USL R2L)
* WIND PERPENDICULAR +CP LEFT TO RIGHT +IP (AWPerp +CP L2R +IP)
* WIND PERPENDICULAR -CP LEFT TO RIGHT +IP (AWPerp -CP L2R +IP)
* WIND PERPENDICULAR +CP LEFT TO RIGHT -IP (AWPerp +CP L2R -IP)
* WIND PERPENDICULAR -CP LEFT TO RIGHT -IP (AWPerp -CP L2R -IP)
* WIND PERPENDICULAR +CP RIGHT TO LEFT +IP (AWPerp +CP R2L +IP)
* WIND PERPENDICULAR -CP RIGHT TO LEFT +IP (AWPerp -CP R2L +IP)
* WIND PERPENDICULAR +CP RIGHT TO LEFT -IP (AWPerp +CP R2L -IP)
* WIND PERPENDICULAR -CP RIGHT TO LEFT -IP (AWPerp -CP R2L -IP)
* WIND PARALLEL FRONT TO BACK +IP (WPa-F2B +IP)
* WIND PARALLEL BACK TO FRONT +IP (WPa-B2F +IP)
* WIND PARALLEL FRONT TO BACK -IP (WPa-F2B -IP)
* WIND PARALLEL BACK TO FRONT -IP (WPa-B2F -IP)
* SEISMIC TRANSVERSE LEFT TO RIGHT (ETrans L2R)
* SEISMIC TRANSVERSE RIGHT TO LEFT (ETrans R2L)
* SEISMIC LONGITUDINAL FRONT TO BACK (ELong F2B)
* SEISMIC LONGITUDINAL BACK TO FRONT (ELong B2F)

* Cases Analyzed Cases This Project

Odd Nodes Left Even Nodes Right Ascending Back to Front

Gable Uprights Left		
To Right	Horizontal	Fz kip (+)
1	(F)/(B)	1.38
2	(B)	1.81
3	(B)	2.71
4	(B)	2.71
5	(B)	1.81
6	(B)	1.38



NOTE:
 BUILDING IS DESIGNED TO BE
 FREE STANDING.

FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

1	ENGINEER APPROVAL	29/03/2017	DATE
	DESCRIPTION		
	REVISION / ISSUE		

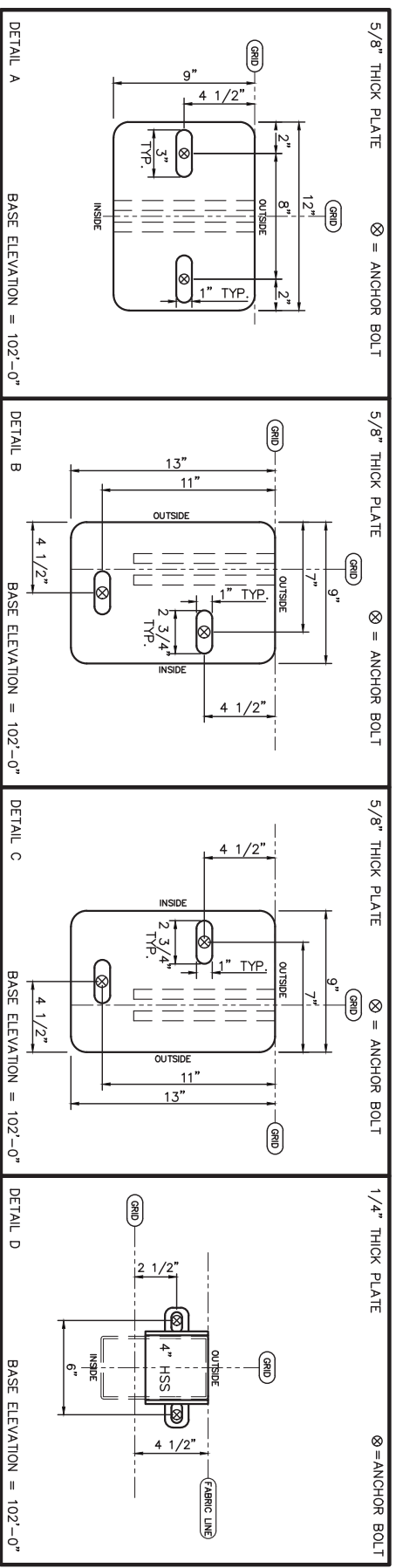
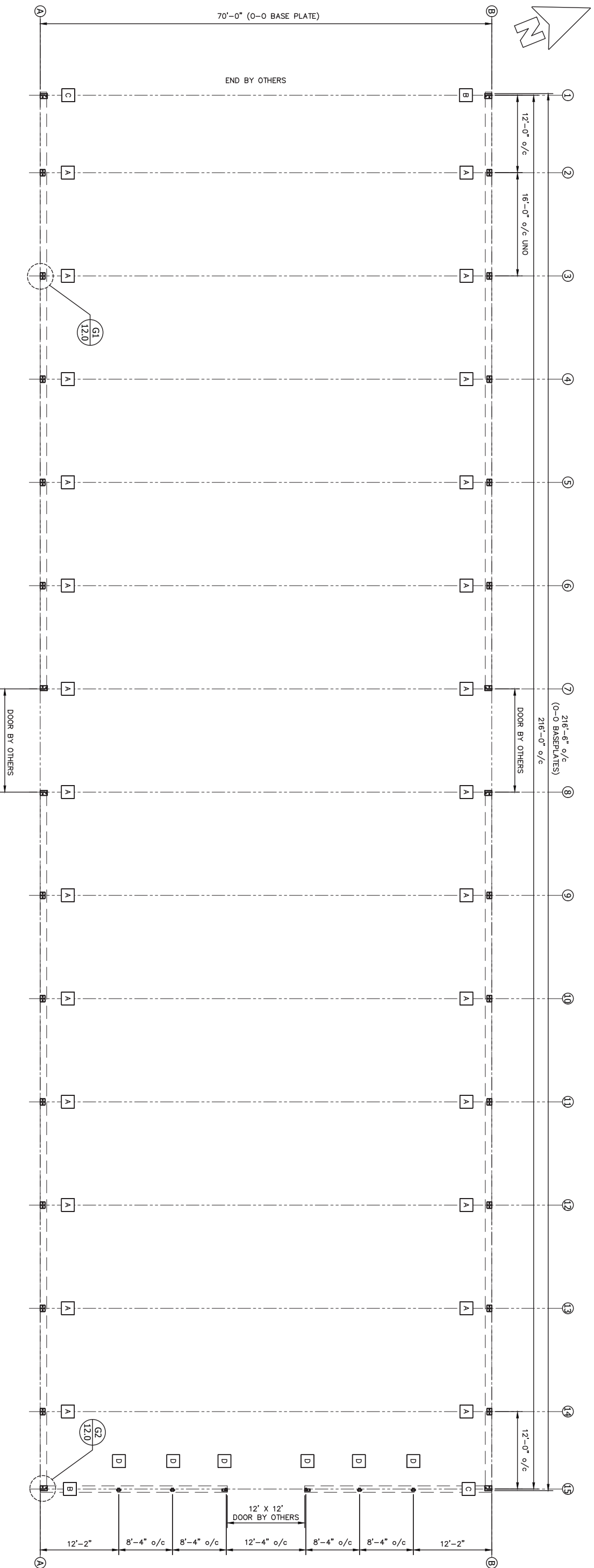
Calhoun Super Structures Ltd
 1-800-387-9394
 www.calhoun.ca
 1000 2nd Ave
 Toronto, Ontario, Canada
 www.calhounsuperstructures.com

NAME: R D B
 DATE: 29/03/2017
 CHECKED: A G B
 DATE: 29/03/2017
 PLOT: APRIL 08 29/03/2017

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF CALHOUN SUPER STRUCTURES LTD. AND IS TO BE USED ONLY FOR THE PROJECT AND WITHOUT THE WRITTEN PERMISSION OF CALHOUN SUPER STRUCTURES LTD. IS PROHIBITED.

CALHOUN
 GENERAL REACTIONS
 70" VP SERIES
 404527 VPe 70X216 R1

SCALE: 3/01
 SHEET 3 OF 13
 N T S



NOTE:
 BUILDING IS DESIGNED TO BE
 FREE STANDING.

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. RESOLVE DISCREPANCIES WITH THE BUILDING SUPPLIER.
2. FINISHED FLOOR ELEVATION THIS SHEET = 100'-0" U.N.O.
3. ALL CONCRETE COMPONENTS ARE DESIGNED AND SUPPLIED BY OTHERS



**FOUNDATION DESIGNED
 AND SUPPLIED BY OTHERS**

<p>Calhoun Super Structures Ltd 1000 Main Street Toronto, Ontario, Canada 1-800-387-3194 www.calhoun.ca www.calhounsuperstructures.com</p>		<p>FOUNDATION PLAN 70" VP SERIES 404527 VPe 70X216 R1</p>
<p>DESIGNED BY: R 2 B CHECKED BY: A G B DATE: 29/03/2017</p>	<p>DATE: 29/03/2017</p>	
<p>1. ENGINEER APPROVAL</p>		<p>CALHOUN</p>
<p>DATE: 29/03/2017</p>		
<p>REVISION / ISSUE</p>		<p>SCALE: 3/16"=1' SHEET 4 OF 13</p>

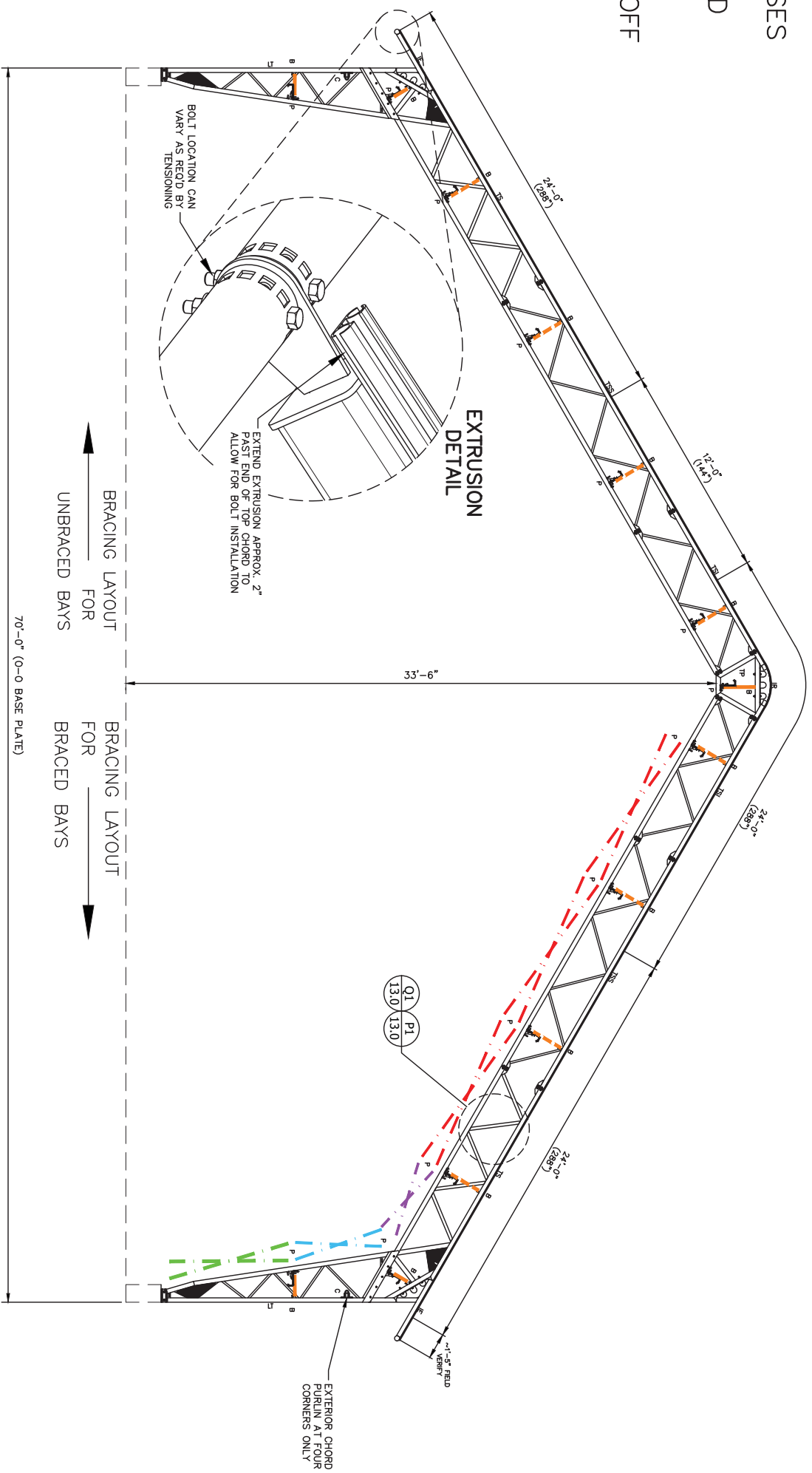
NOTES:

FASTEN EXTRUSION AT 9" o/c FOR INTERIOR FRAMES AND AT 4.5" o/c FOR END FRAMES WITH TEK SCREWS

FULL COUPLERS ON END TRUSSES

APPROX. WEIGHT OF ASSEMBLED TRUSS ~ 2000 LBS

END FRAMES REQUIRE STAND-OFF SYSTEM, SEE PAGES 7 & 8



KEDER EXTRUSION LENGTH = 85'-5"
 FABRIC LENGTH = 95'-0"
 EXTRUSION ON ALL FRAMES - GRIDS 1-15 INCLUSIVE

NOTE:
 BUILDING IS DESIGNED TO BE
 FREE STANDING.

LEGEND	DESCRIPTION	SECTION	PRE-TENSION
- - - - -	12' BAY ROOF TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1 TURN
- - - - -	12' BAY SHOULDER TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6-1/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
- - - - -	12' BAY UPPER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
- - - - -	12' BAY LOWER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6-3/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
- - - - -	16' BAY ROOF TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-5/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
- - - - -	16' BAY SHOULDER TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
- - - - -	16' BAY UPPER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7-7/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
- - - - -	16' BAY LOWER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-1/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS

MARK	DESCRIPTION	CHORDS	WEBS	BOLTS	COMMENTS
TSS	TRUSS STRAIGHT SHORT	3"x3"x1/8"	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TSI	TRUSS STRAIGHT INSERT	3"x3"x1/8"	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TS	TRUSS SHOULDER	3"x3"x3/16" INSIDE CHORD 3"x3"x1/8" OUTSIDE CHORD	U 2.0"x2.0"x11GA U 1.5"x1.25"x11GA	5/8" GR 5 5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
LT	LEG TRUSS	3"x3"x3/16" INSIDE CHORD 3"x3"x1/8" OUTSIDE CHORD	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TP	TRUSS PEAK	3"x3"x1/8"	---	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
IR	INSERT ROUND	PLATE	---	1/2" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
IE	INSERT EAVE	PLATE	---	1/2" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09

MARK	DESCRIPTION
P	PURLIN
C	CORNER PURLIN
B	BRACE PURLIN

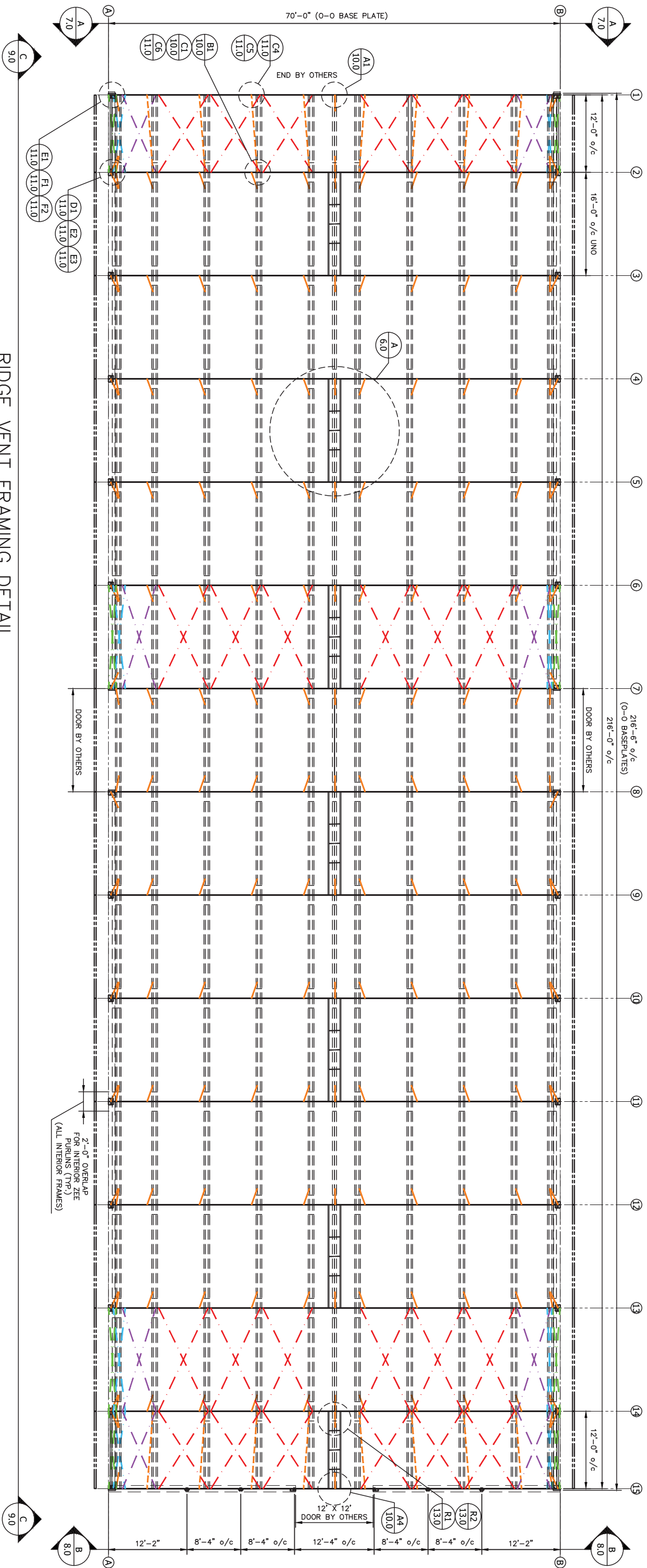


FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

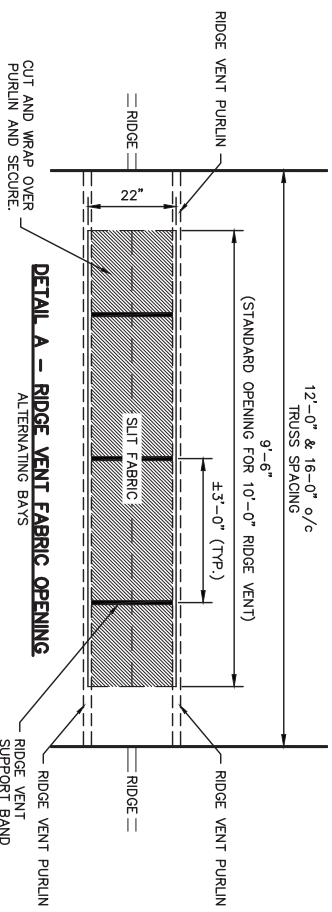


BRACING LAYOUT
 70' VP SERIES
 404527 VPe 70X216 R1

No.	DESCRIPTION	DATE	REVISION / ISSUE
1	ENGINEER APPROVAL	29/03/2017	
Calhoun Steel Structures Ltd. 3700 Bruce Rd #10 1st. Floor, Ontario, Canada 1-800-265-3994 www.calhoun.ca www.calhounstructures.com			
DRANK	R D B	29/03/2017	
CHECKED	A G B	29/03/2017	
ENG. APRR	G R	29/03/2017	
DATE	NAME	DATE	
29/03/2017	AGB	29/03/2017	
FOUNDATION AND S.T. SEE SEPARATE FOUNDATION DRAWING IN PART 06 AS A SEPARATE DRAWING. ALL DIMENSIONS TO FACE UNLESS OTHERWISE NOTED.			
SCALE		5.01	
SCALE		1/4"=1'-0"	
SCALE		5 OF 13	



RIDGE VENT FRAMING DETAIL



NOTE:
 BUILDING IS DESIGNED TO BE
 FREE STANDING.

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. RESOLVE DISCREPANCIES WITH THE BUILDING SUPPLIER.
2. FINISHED FLOOR ELEVATION THIS SHEET = 100'-0" U.N.O.
3. ALL CONCRETE COMPONENTS ARE DESIGNED AND SUPPLIED BY OTHERS

- RECOMMENDED RIDGE VENT PANEL OPENING INSTALLATION METHOD
1. INSTALL RIDGE VENT PURLINS (RV) - BOLT ONE END AND ALLOW THE OTHER END TO FLOAT.
 2. INSTALL AND ALIGN FABRIC PANEL, AS PER STANDARD INSTALLATION PRACTICES.
 3. LOOSELY TENSION FABRIC PANEL AT EAVES.
 4. SLIT PANEL AT PEAK AS DETAILED ABOVE.
 5. FOLD FABRIC FLAP DOWN INTO STRUCTURE. WRAP AROUND RV PURLINS AND SECURE ON BACK SIDE OF RV PURLIN.
 6. INSTALL RIDGE VENT SUPPORT BAND.
 7. APPLY FINAL TENSIONING TO FABRIC PANEL EQUALLY AT BOTH SIDES OF STRUCTURE.

LEGEND	DESCRIPTION	SECTION	GUAGE	COMMENTS
	TYPICAL PURLIN	8" ZEE - B214	14	ALL BAYS AND LEGS
	TOP CHORD BRACE	2"x2" U-CHANNEL	11	ALL INTERIOR BAYS. BRACE & SHOULDERS ON END BAYS
	ROOF BRACE PURLIN	3"x3" HSS	14	END BAYS EXCEPT PEAK & SHOULDERS
	EXTERIOR CORNER PURLIN	3"x3" HSS	14	END BAYS ONLY
	TENSION TUBE	3-1/2" TUBE	11	ALL BAYS

CABLE COLOUR KEY

LEGEND	DESCRIPTION	SECTION	PRE-TENSION
	12' BAY ROOF TRUSS CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +7 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1 TURN
	12' BAY SHOULDER TRUSS CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +6-1/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
	12' BAY UPPER WALL CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +6 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
	12' BAY LOWER WALL CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +6-3/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
	16' BAY ROOF TRUSS CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +8-5/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
	16' BAY SHOULDER TRUSS CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
	16' BAY UPPER WALL CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +7-7/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
	16' BAY LOWER WALL CABLE	5/16" # GALVANIZED WIRE ROPE	HAND TIGHT +8-1/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS



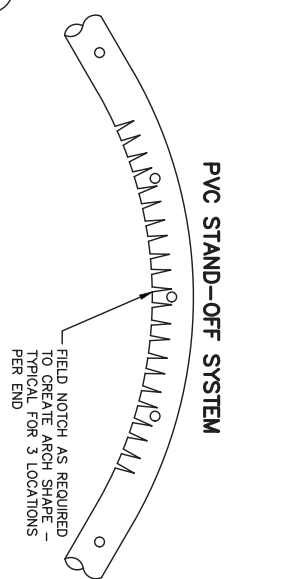
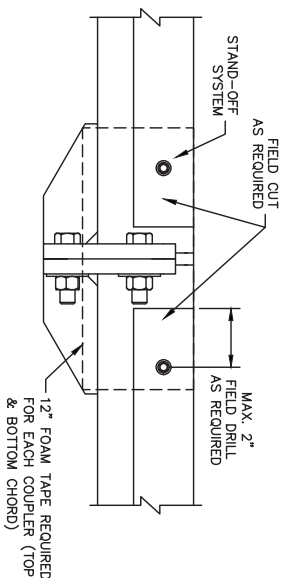
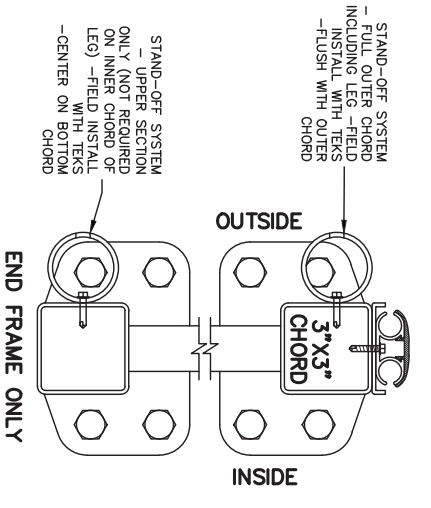
FOUNDATION DESIGNED AND SUPPLIED BY OTHERS



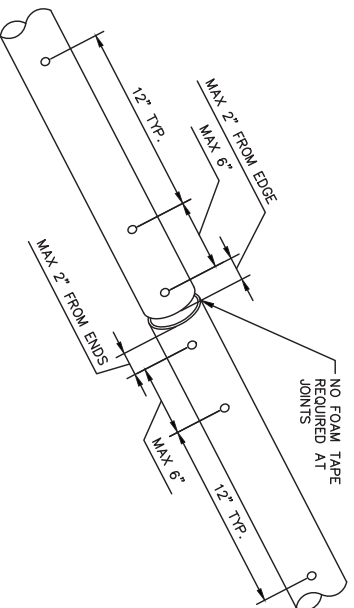
Calhoun Super Structures Ltd. 1-800-200-9094 Toronto, Ontario, Canada www.calhounsuperstructures.com	
DRAWN: R B B DATE: 29/03/2017	CHECKED: A B B DATE: 29/03/2017
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE SOLE PROPERTY OF CALHOUN SUPER STRUCTURES LTD. AND IS TO BE USED ONLY FOR THE PROJECT AND WITHOUT THE WRITTEN PERMISSION OF CALHOUN SUPER STRUCTURES LTD. IS PROHIBITED.	
ENGINEER APPROVAL: [Signature] DATE: 29/03/2017	REVISION / ISSUE:
FRAMING PLAN 70' VP SERIES 404527 VP 70x216 R1	
SCALE: 3/16"=1'	SHEET: 6 OF 13

CABLE COLOUR KEY

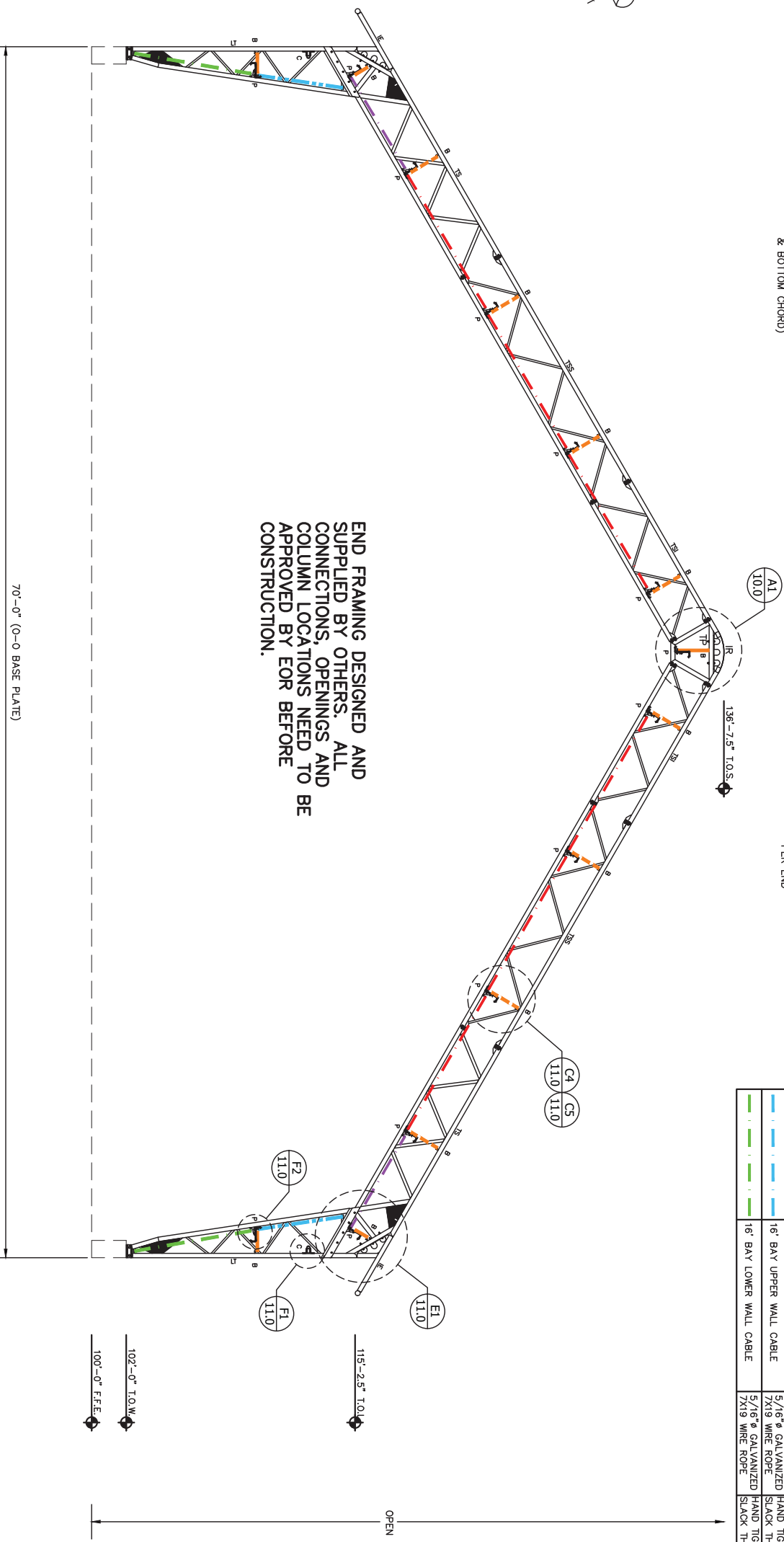
LEGEND	DESCRIPTION	SECTION	PRE-TENSION
Red dashed line	12' BAY ROOF TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +4 TURNS
Blue dashed line	12' BAY SHOULDER TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6-7/8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +1/8 TURNS
Purple dashed line	12' BAY UPPER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +7/8 TURNS
Green dashed line	12' BAY LOWER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6-3/8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +1-1/8 TURNS
Red dashed line	16' BAY ROOF TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +1-1/8 TURNS
Purple dashed line	16' BAY SHOULDER TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +1-1/8 TURNS
Blue dashed line	16' BAY UPPER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7-7/8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +1-1/8 TURNS
Green dashed line	16' BAY LOWER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-1/8 TURNS, THEN TURN TO SLACK, THEN HAND TIGHT +1-1/8 TURNS



REQUIRED TEK SPACING AT JOINTS FOR STAND-OFF SYSTEM



END FRAMING DESIGNED AND SUPPLIED BY OTHERS. ALL CONNECTIONS, OPENINGS AND COLUMN LOCATIONS NEED TO BE APPROVED BY EOR BEFORE CONSTRUCTION.



- NOTE:**
1. FULL COUPLERS ON ALL TRUSSES.
 2. PERSONNEL AND SERVICE DOORS NOT SHOWN SHALL BE DESIGNED TO MINIMUM REFERENCED CLADDING PRESSURE AS NOTED ON PAGE 2.0, IF APPLICABLE.

NOTE:
BUILDING IS DESIGNED TO BE FREE STANDING.

FRAMING SCHEDULE

LEGEND	DESCRIPTION	SECTION	GA./LOAD	COMMENTS
—	TOP CHORD BRACE	2"x2" U-CHANNEL	11	ALL INTERIOR BAYS, PEAK & END BAYS EXCEPT PEAK & SHOULDERS
- - -	ROOF BRACE PURLIN	3"x3" HSS	14	SHOULDERS

COMPONENT SCHEDULE

MARK	DESCRIPTION	CHORDS	WEBS	BOLTS	COMMENTS
TSS	TRUSS STRAIGHT SHORT	3"x3"x1/8"	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TSI	TRUSS STRAIGHT INSERT	3"x3"x1/8"	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TS	TRUSS SHOULDER	3"x3"x3/16" INSIDE CHORD 3"x3"x1/8" OUTSIDE CHORD	U 2.0"x2.0"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
LT	LEG TRUSS	3"x3"x3/16" INSIDE CHORD 3"x3"x1/8" OUTSIDE CHORD	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TP	TRUSS PEAK	3"x3"x1/8"	---	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
IR	INSERT ROUND	PLATE	---	1/2" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
IE	INSERT EAVE	PLATE	---	1/2" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09

BRACING LEGEND

MARK	DESCRIPTION
P	PURLIN
C	CORNER PURLIN
B	BRACE PURLIN

FRAMING SCHEDULE

LEGEND	DESCRIPTION	SECTION	GA./LOAD	COMMENTS
—	TOP CHORD BRACE	2"x2" U-CHANNEL	11	ALL INTERIOR BAYS, PEAK & END BAYS EXCEPT PEAK & SHOULDERS
- - -	ROOF BRACE PURLIN	3"x3" HSS	14	SHOULDERS

- FRAMING NOTES**
1. ENDWALL STRAPPING AND HARDWALL CLADDING DESIGNED AND SUPPLIED BY OTHERS.
 2. ALL STRAPPING AND HARDWALL CLADDING MUST BE DESIGNED TO MEET SITE WIND LOADS.
- GENERAL NOTES**
1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. RESOLVE DISCREPANCIES WITH THE BUILDING SUPPLIER.
 2. FINISHED FLOOR ELEVATION THIS SHEET = 100'-0" U.N.O.
 3. ALL CONCRETE COMPONENTS ARE SUPPLIED BY OTHERS.

FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

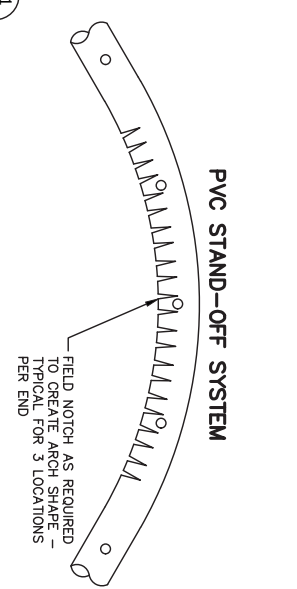
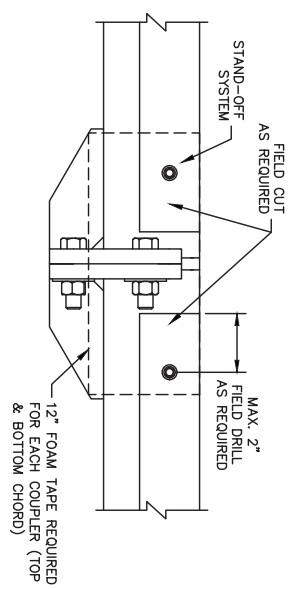
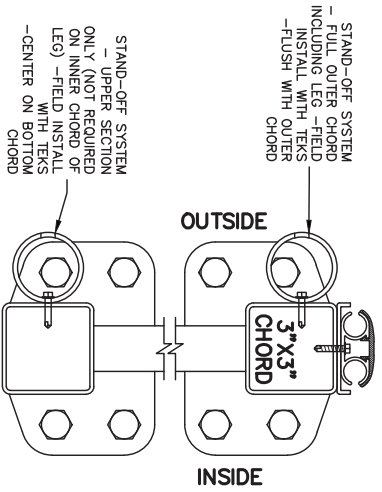


Calhoun Super Structures Ltd
1-800-361-9944
www.calhounsuperstructures.com

DESIGNED BY: R.B. / 29/03/2017
CHECKED BY: A.C.B. / 29/03/2017
DATE: 29/03/2017

CALHOUN
ELEVATION A
70' VP SERIES
404527 VP6 70X216 R1

SCALE: 1/4"=1'-0" SHEET 7 OF 13



REQUIRED TEK SPACING
 AT JOINTS FOR
 STAND-OFF SYSTEM

LEGEND	DESCRIPTION	SECTION	GUAGE
EWV-1	ENDWALL UPRIGHT	4"x6" HSS	1/4"
EWV-2	ENDWALL UPRIGHT	4"x6" HSS	1/4"
EWV-3	ENDWALL UPRIGHT	4"x4" HSS	3/16"
EWVH	DOOR HEADER	4"x4" HSS	1/8"
EWC	CEE CHANNEL	6"x2 1/4"	14

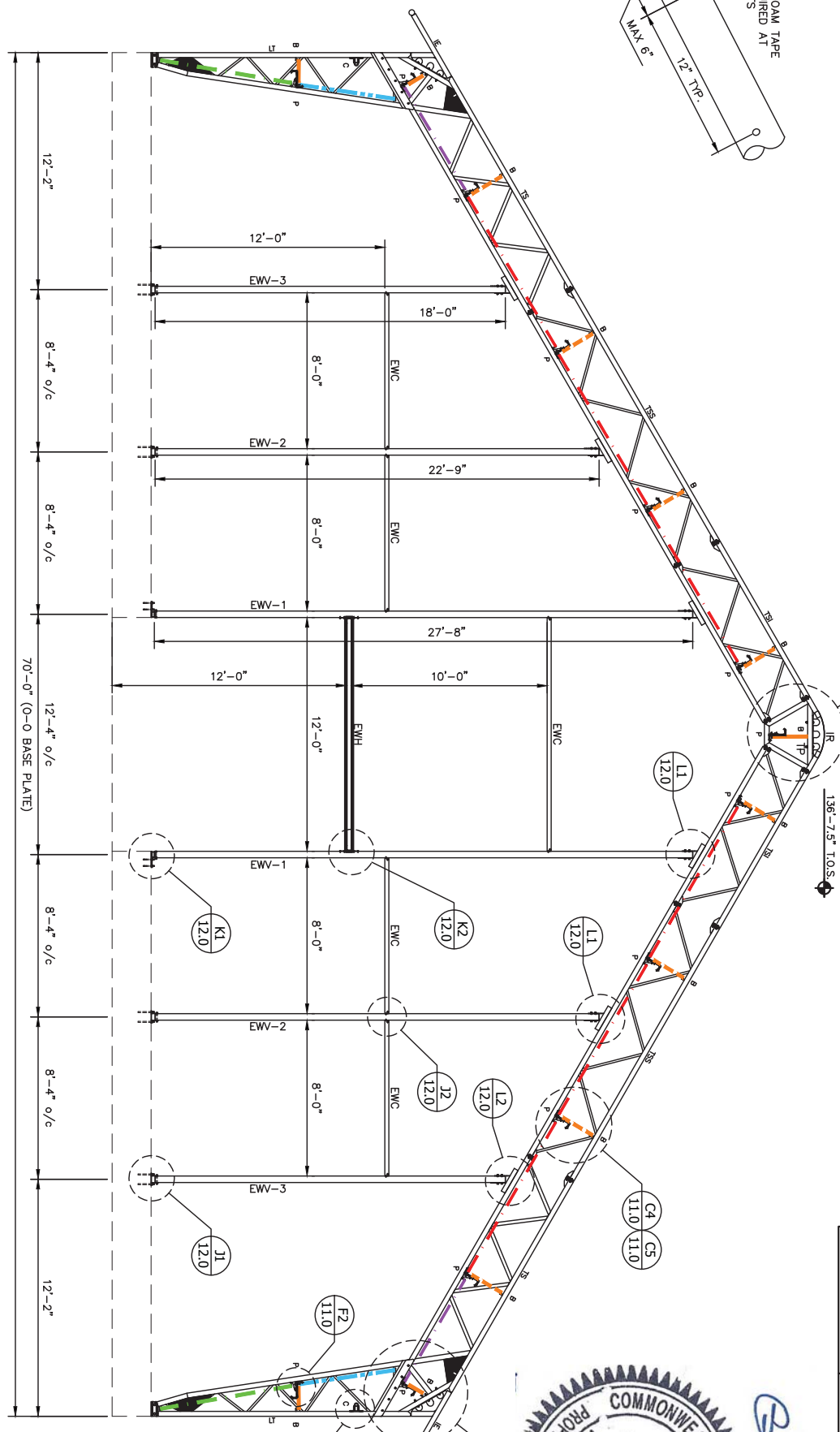
NOTE:
 1. FULL COUPLERS ON ALL TRUSSES.

3. PERSONNEL AND SERVICE DOORS NOT SHOWN SHALL BE DESIGNED TO MINIMUM REFERENCED CLADDING PRESSURE AS NOTED ON PAGE 20, IF APPLICABLE.

NOTE:
 BUILDING IS DESIGNED TO BE FREE STANDING.

FRAMING NOTES

1. DOOR DESIGNED & SUPPLIED BY OTHERS. DOOR MUST BE DESIGNED TO HANDLE SITE WIND LOADS. STRUCTURE HAS BEEN DESIGNED SUCH THAT THE DOOR IS CLOSED IN THE EVENT OF HIGH WIND (EXCEEDING 70 KPH OR 44 MPH).
 2. ENDWALL STRAPPING AND HARDWALL CLADDING DESIGNED AND SUPPLIED BY OTHERS.
 3. ALL STRAPPING AND HARDWALL CLADDING MUST BE DESIGNED TO MEET SITE WIND LOADS.
- GENERAL NOTES**
1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. RESOLVE DISCREPANCIES WITH THE BUILDING SUPPLIER.
 2. FINISHED FLOOR ELEVATION THIS SHEET = 100'-0" U.N.O.
 3. ALL CONCRETE COMPONENTS ARE SUPPLIED BY OTHERS.



END 2 - GRIDLINE 15

MARK	DESCRIPTION	CHORDS	WEBS	BOLTS	COMMENTS
TSS	TRUSS STRAIGHT SHORT	3"x3"x1/8"	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TSI	TRUSS STRAIGHT INSERT	3"x3"x1/8"	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TS	TRUSS SHOULDER	3"x3"x3/16" INSIDE CHORD 3"x3"x1/8" OUTSIDE CHORD	U 2.0"x2.0"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
LT	LEG TRUSS	3"x3"x3/16" INSIDE CHORD 3"x3"x1/8" OUTSIDE CHORD	U 1.5"x1.25"x11GA	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
TP	TRUSS PEAK	3"x3"x1/8"	---	5/8" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
IR	INSERT ROUND	PLATE	---	1/2" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09
IE	INSERT EAVE	PLATE	---	1/2" GR 5	ALL STEEL F _y =50 KSI HOT DIP GALVANIZED TO MIN. CSA G164/ASTM A123-09

MARK	DESCRIPTION
P	PURLIN
C	CORNER PURLIN
B	BRACE PURLIN

LEGEND	DESCRIPTION	SECTION	PRE-TENSION
---	12' BAY ROOF TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1/8 TURNS
---	12' BAY SHOULDER TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6-1/8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1/8 TURNS
---	12' BAY UPPER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1/8 TURNS
---	12' BAY LOWER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1/8 TURNS
---	16' BAY ROOF TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1/8 TURNS
---	16' BAY SHOULDER TRUSS CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1/8 TURNS
---	16' BAY UPPER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7-7/8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
---	16' BAY LOWER WALL CABLE	5/16" GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-1/8 TURNS THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS



LEGEND	DESCRIPTION	SECTION	GA/LOAD	COMMENTS
---	TOP CHORD BRACE	2"x2" U-CHANNEL	11	ALL INTERIOR BAYS, PEAK & SHOULDERS ON END BAYS
---	ROOF BRACE PURLIN	3"x3" HSS	14	SHOULDERS

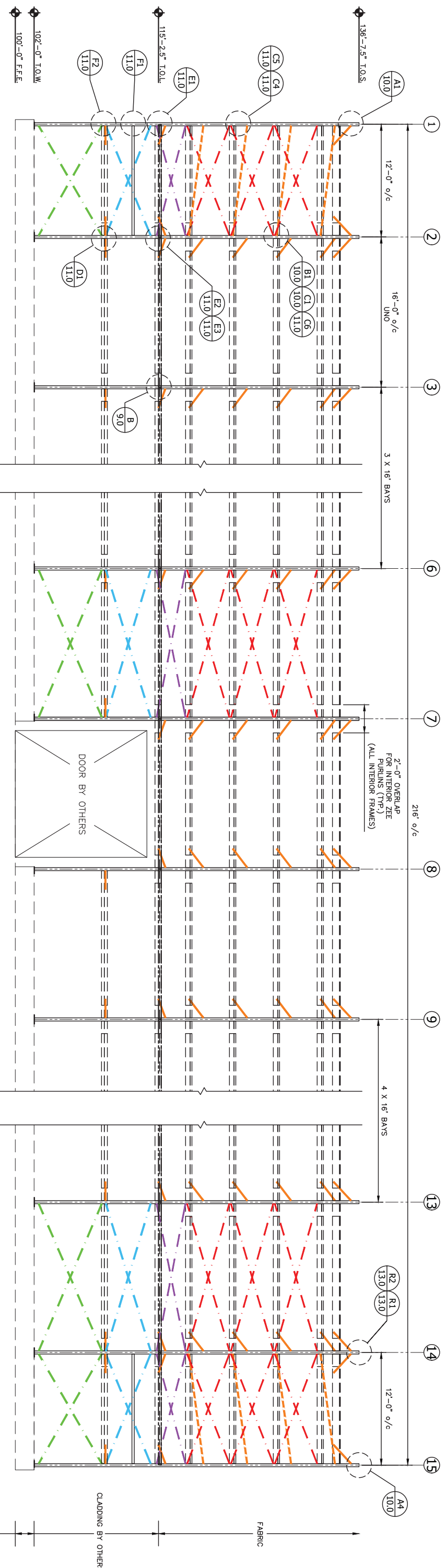
FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

CALHOUN
 ELEVATION B
 70" VP SERIES
 404527 VP 70X216 R1

1
 ENGINEER APPROVAL
 DATE 29/03/2017

1
 REVISION / ISSUE

8.01
 SHEET 8 OF 13



GRIDLINE A-A
 GRIDLINE B-B IS MIRROR IMAGE OF A-A

CONCRETE
 (SEE GENERAL NOTES)
 GRIDLINE A-A

NOTE:
 BUILDING IS DESIGNED TO BE
 FREE STANDING.

TARP PRE-TENSION SCHEDULE

FRAME SPACING	SPACER TUBE SIZE	TUBE DETECTION AT CENTER
6'	2-3/8"ø	1/4"
8'	2-3/8"ø	1/2"
10'	2-3/8"ø	1"
12'	2-3/8"ø	2-1/4"
12'	2-7/8"ø	1-1/4"
14'	2-7/8"ø	2-1/4"
14'	3-1/2"ø	1-1/4"
16'	3-1/2"ø	2"

END BAYS ONLY FOR INTERIOR BAYS. VISUAL AND PHYSICAL INSPECTION OF TARP REQUIRED

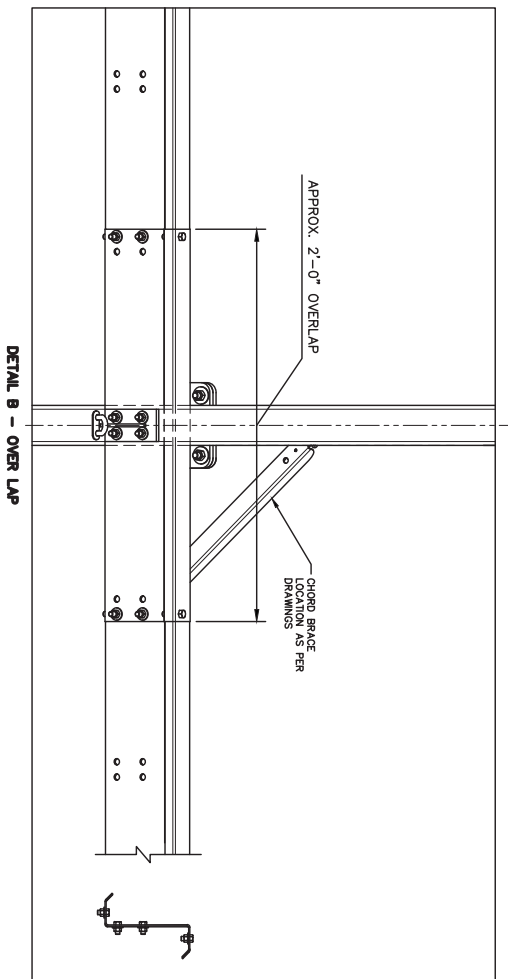
CABLE COLOUR KEY

LEGEND	DESCRIPTION	SECTION	PRE-TENSION
	12' BAY ROOF TRUSS CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1 TURN
	12' BAY SHOULDER TRUSS CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-1/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
	12' BAY UPPER WALL CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
	12' BAY LOWER WALL CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +6-3/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +7/8 TURNS
	16' BAY ROOF TRUSS CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-5/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
	16' BAY SHOULDER TRUSS CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7-7/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
	16' BAY UPPER WALL CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +8-1/8 TURNS, THEN TURN TO SLACK THEN HAND TIGHT +1-1/8 TURNS
	16' BAY LOWER WALL CABLE	5/16"ø GALVANIZED 7X19 WIRE ROPE	HAND TIGHT +7-1/8 TURNS

- FRAMING NOTES**
1. DOOR DESIGNED & SUPPLIED BY OTHERS. DOOR MUST BE DESIGNED TO HANDLE SITE WIND LOADS. STRUCTURE HAS BEEN DESIGNED SUCH THAT THE DOOR IS CLOSED IN THE EVENT OF HIGH WIND (EXCEEDING 70 KPH OR 44 MPH).
 2. SIDEWALL STRAPPING AND HARDWALL CLADDING DESIGNED AND SUPPLIED BY OTHERS.
 3. ALL STRAPPING AND HARDWALL CLADDING MUST BE DESIGNED TO MEET SITE WIND LOADS.

FRAMING SCHEDULE

LEGEND	DESCRIPTION	SECTION	GAUGE	COMMENTS
	TYPICAL PURLIN	8" ZEE - 8214	14	ALL BAYS AND LEGS
	TOP CHORD BRACE	2"x2" U-CHANNEL	11	ALL INTERIOR BAYS, PEAK & SHOULDERS ON END BAYS
	ROOF BRACE PURLIN	3"x3" HSS	14	END BAYS EXCEPT PEAK & SHOULDERS
	EXTERIOR CORNER PURLIN	3"x3" HSS	14	END BAYS ONLY
	TENSION TUBE	3-1/2" TUBE	11	ALL BAYS



FOUNDATION DESIGNED AND SUPPLIED BY OTHERS



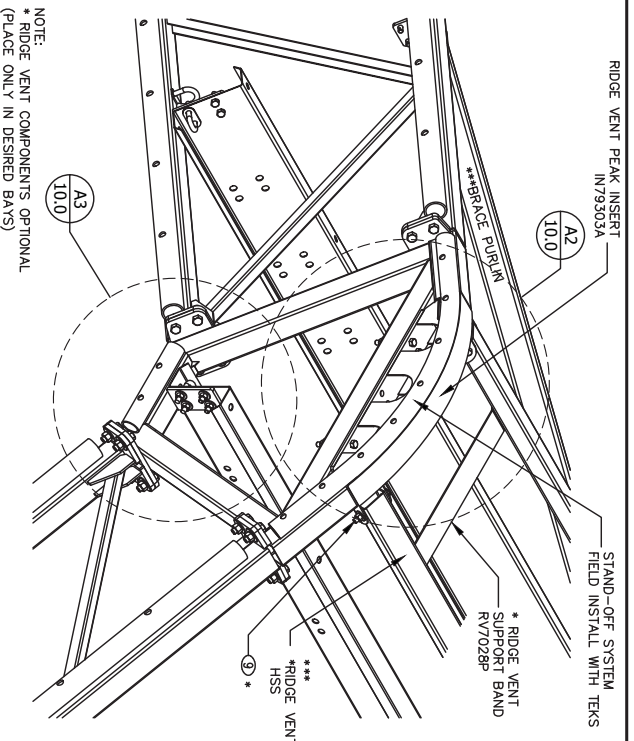
Calhoun Super Structures Ltd
 1000 2nd
 Toronto, Ontario, Canada
 1-800-387-9194
 www.calhoun.ca
 www.calhounsuperstructures.com

NAME: A.G.B. DATE: 29/03/2017
 CHECKED: A.G.B. DATE: 29/03/2017
 ENG. APPL. C.R. DATE: 29/03/2017

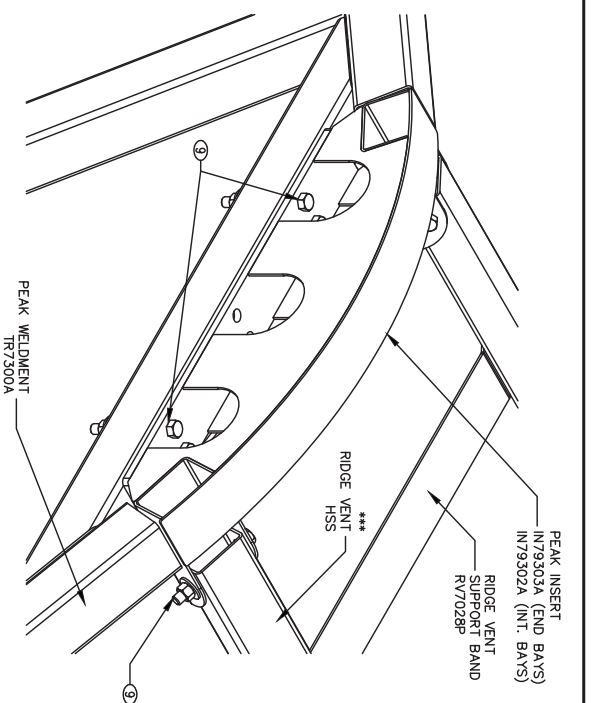
THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF CALHOUN SUPER STRUCTURES LTD. AND IS TO BE USED ONLY FOR THE PROJECT AND WITHOUT THE WRITTEN PERMISSION OF CALHOUN SUPER STRUCTURES LTD. IS PROHIBITED.

CALHOUN
 ELEVATION C
 70" VP SERIES
 404527 VP 70X216 R1

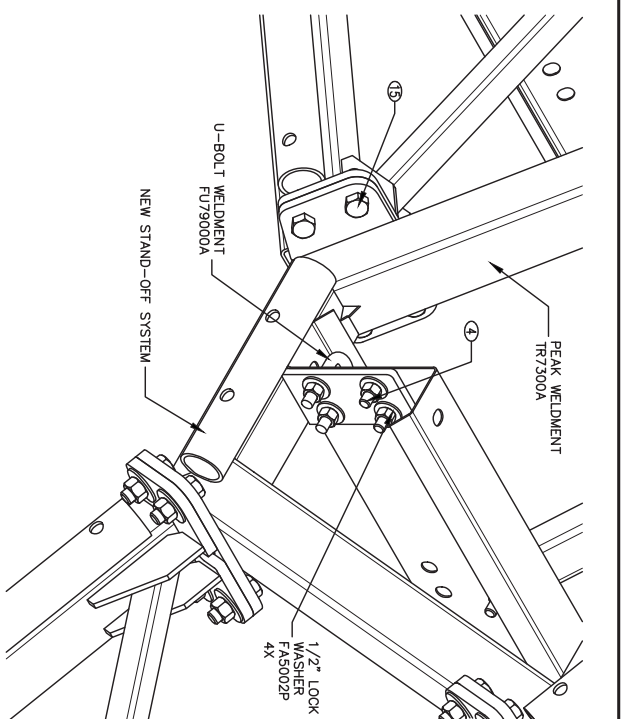
SCALE: 3/16"=1'-0" SHEET 9 OF 13
9.01



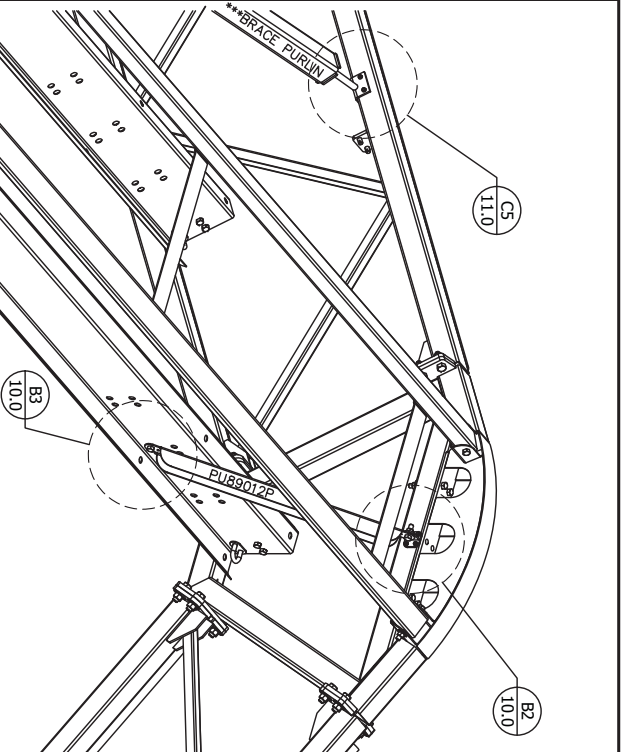
DETAIL A1 - 70'-80' VP END TRUSS CONNECTION AT PEAK - OUTSIDE



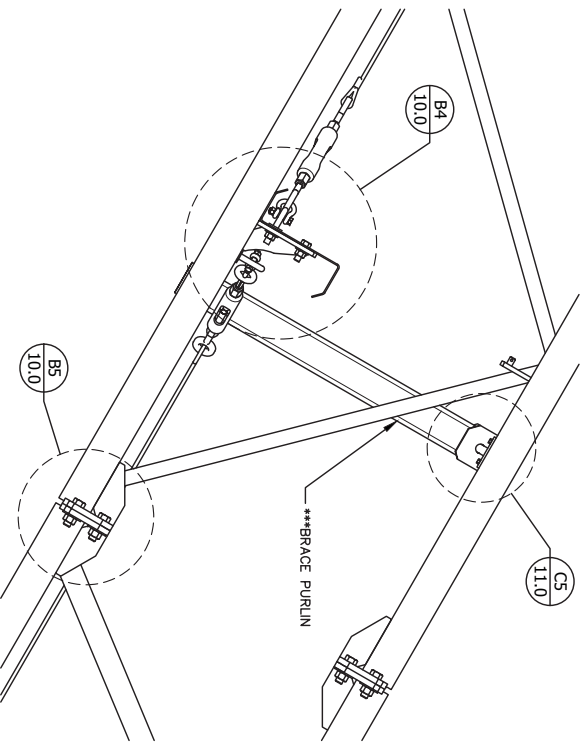
DETAIL A2 - 70'-80' VP PEAK INSERT (RIDGE VENT)



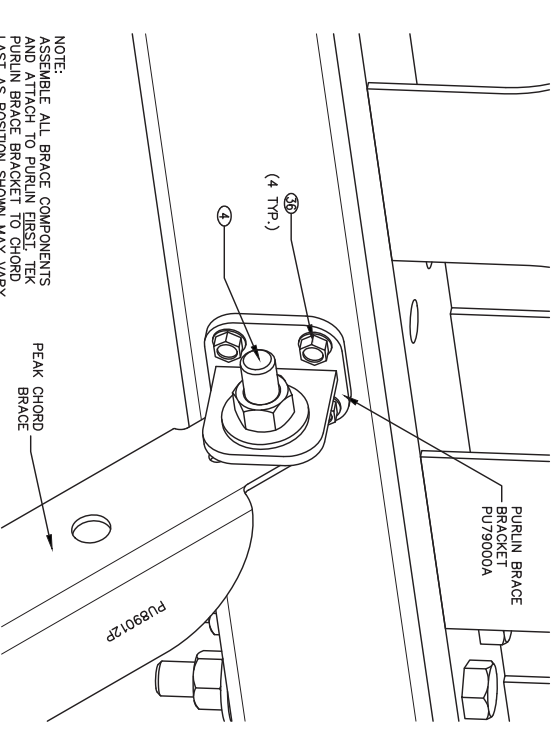
DETAIL A3 - 70'-80' VP PEAK REINFORCEMENT AT END TRUSS - OUTSIDE



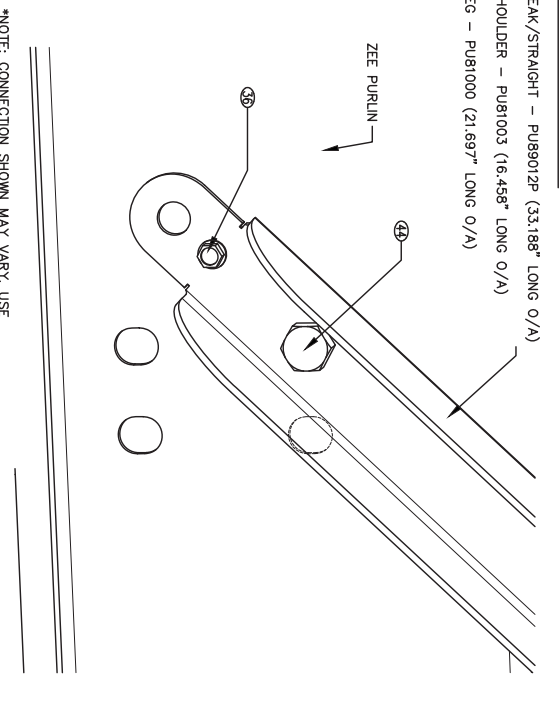
DETAIL A4 - 70'-80' VP TRUSS CONNECTION AT PEAK - VIEW FROM INSIDE



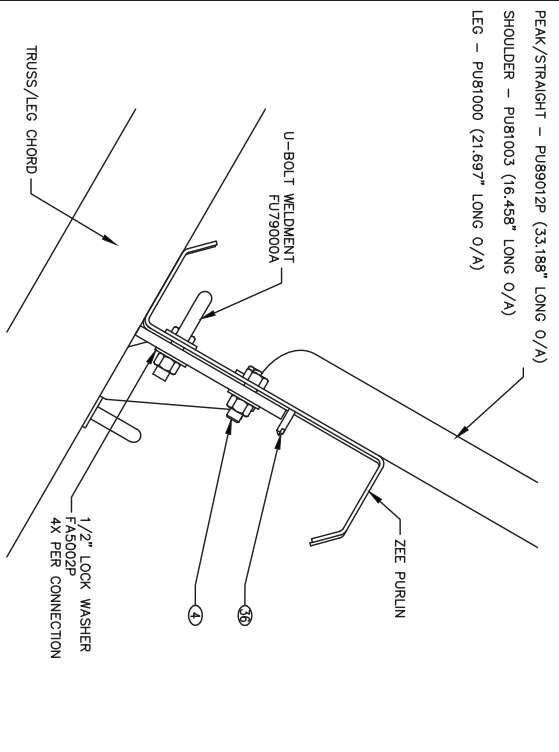
DETAIL B1 - 70'-80' VP TYPICAL TRUSS CONNECTIONS - END VIEW



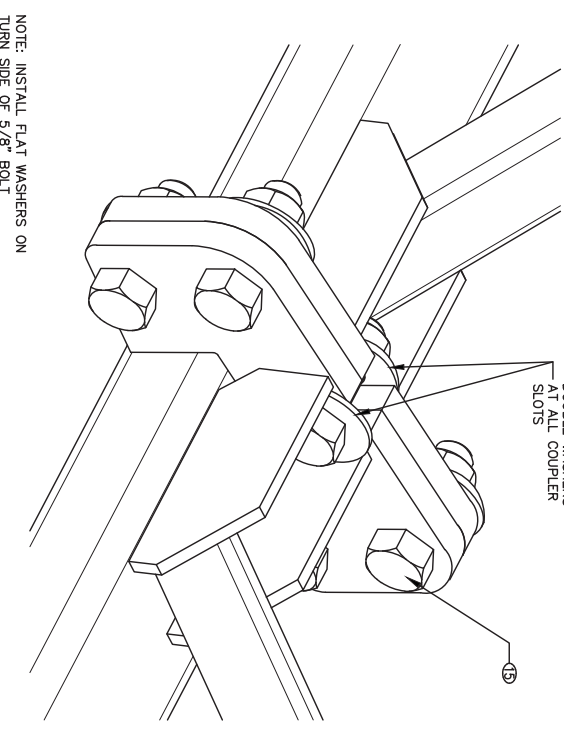
DETAIL B2 - 70'-80' VP CHORD BRACE TO PEAK TRUSS CONNECTION



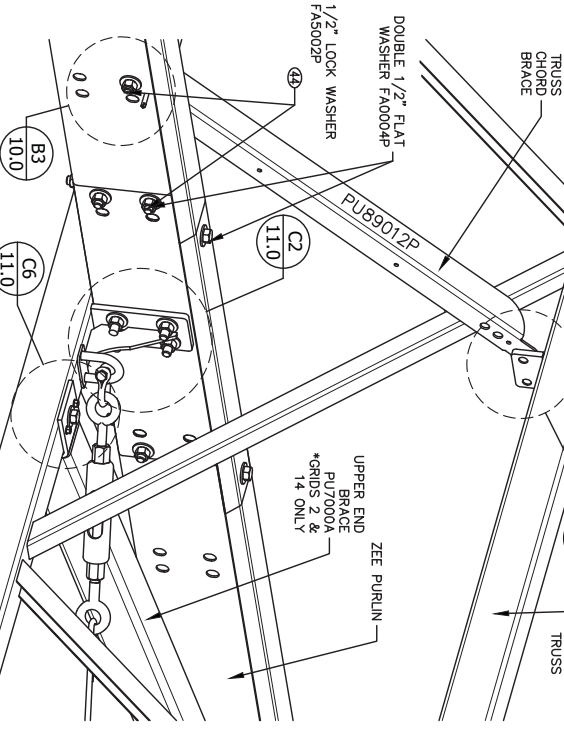
DETAIL B3 - 70'-80' VP CHORD BRACE TO ZEE PURLIN CONNECTION



DETAIL B4 - 70'-80' VP ZEE PURLIN/CHORD BRACE CONNECTION



DETAIL B5 - TYPICAL COUPLER CONNECTION (34'-120')



DETAIL C1 - 70'-80' VP SIDE PURLIN CONNECTION - INTERIOR

ITEM No.	DESCRIPTION	PART No.	ITEM No.	DESCRIPTION	PART No.
1	HEX BOLT 3/8 X 1-1/2	FA0029P	23	CARRIAGE BOLT 3/8 X 1-1/2	FC060150056
2	---	---	26	CARRIAGE BOLT 3/8 X 4	FA0103P
3	---	---	27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
4	HEX BOLT 1/2 X 1-1/2	FA0011P	28	CARRIAGE BOLT 1/2 X 2	FA0148P
5	HEX BOLT 1/2 X 2-1/2	FA0151P	29	CARRIAGE BOLT 1/2 X 4-1/2	FA0138P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA0201P	30	CARRIAGE BOLT 1/2 X 5	FA0127P
7	HEX BOLT 1/2 X 3-1/2	FA0006P	31	CARRIAGE BOLT 5/8 X 5-1/2	FA0101P
8	HEX BOLT 1/2 X 4	FA0009P	32	CARRIAGE BOLT 5/8 X 6	FA0142P
9	HEX BOLT 1/2 X 4-1/2	FA0076P	33	CARRIAGE BOLT 5/8 X 1-1/2	FA0177P
10	HEX BOLT 1/2 X 5	FA0010P	34	LAG BOLT 3/8 X 1-1/2	FA0030P
11	HEX BOLT 1/2 X 5-1/2	FA0080P	35	LAG BOLT 1/2 X 3-1/2	FA0007P
12	HEX BOLT 1/2 X 6-1/2	PH06050056	36	TEK SCREWS 1/4 X 1-1/4	FA0085P
13	HEX BOLT 1/2 X 7-1/2	PH080750056	37	TEK SCREWS 1/4 X 1-1/2 GAS	FA0020P
14	HEX BOLT 5/8 X 1-1/2	FA0059P	38	TEK SCREWS 1/4 X 1 WHITE	FA0067P
15	HEX BOLT 5/8 X 2	FA0061P	39	TEK SCREWS 12-24 X 2-1/4	FA0147P
16	HEX BOLT 5/8 X 2-1/2	FA0062P	40	TEK SCREWS 1/4 X 2-1/2	FA0089P
17	HEX BOLT 5/8 X 3	FA0063P	41	---	---
18	HEX BOLT 5/8 X 4	FA0055P	42	THREADED ROD 5/8 X 5	FR100500026
19	HEX BOLT 5/8 X 5	FA0074P	43	CARRIAGE BOLT 5/8 X 2	FC100200056
20	HEX BOLT 5/8 X 6	FA0076P	44	HEX BOLT 1/2 X 1	PH080100056
21	HEX BOLT 3/4 X 3	FA0077P			
22	HEX BOLT 3/4 X 5	FA0005P			
23	HEX BOLT 7/8 X 2-1/2	FA0120P	49	BLIND BOLT 5/16" X 2"	FA1054P
24	HEX BOLT 1-1/4 X 4-1/2	FA0705P	50	CONCRETE ANCHORS BY OTHERS	

HARDWARE SCHEDULE (AS OCCURS)

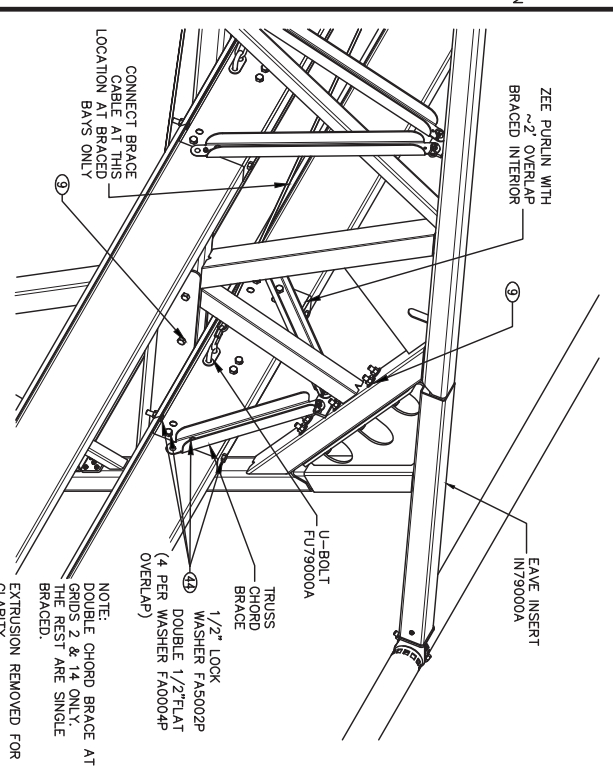
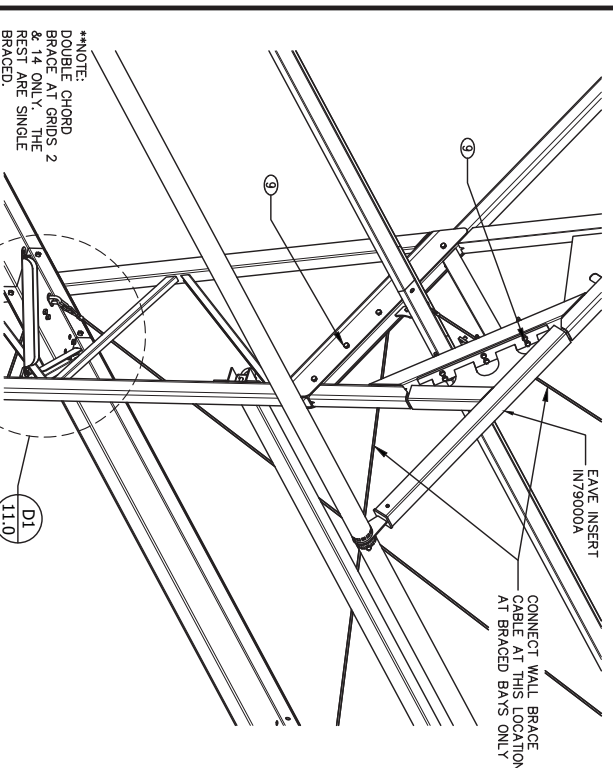
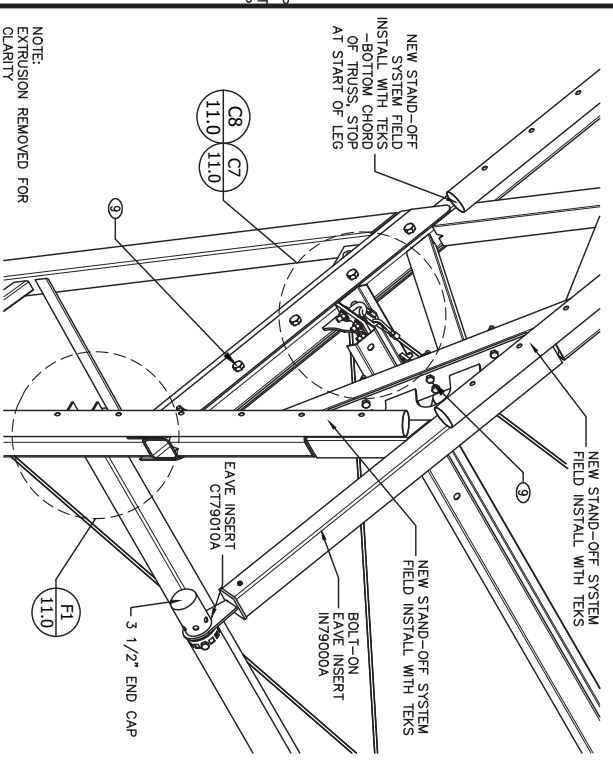
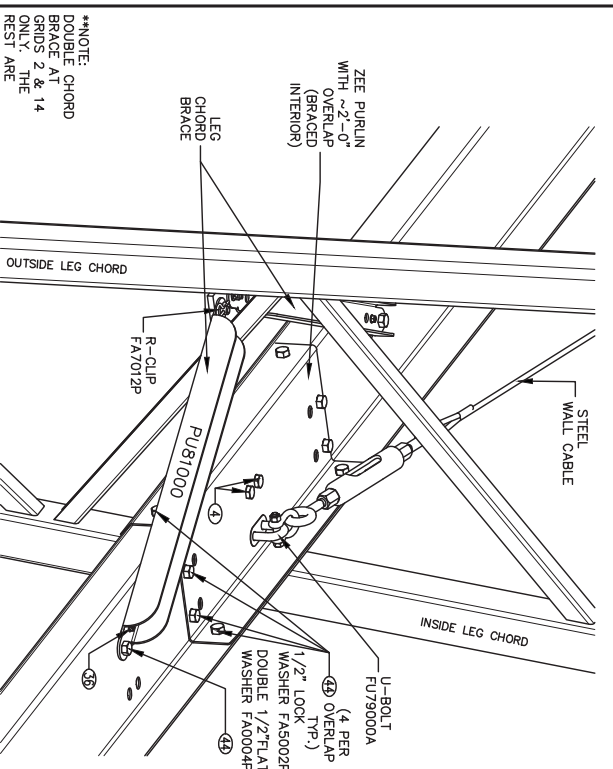
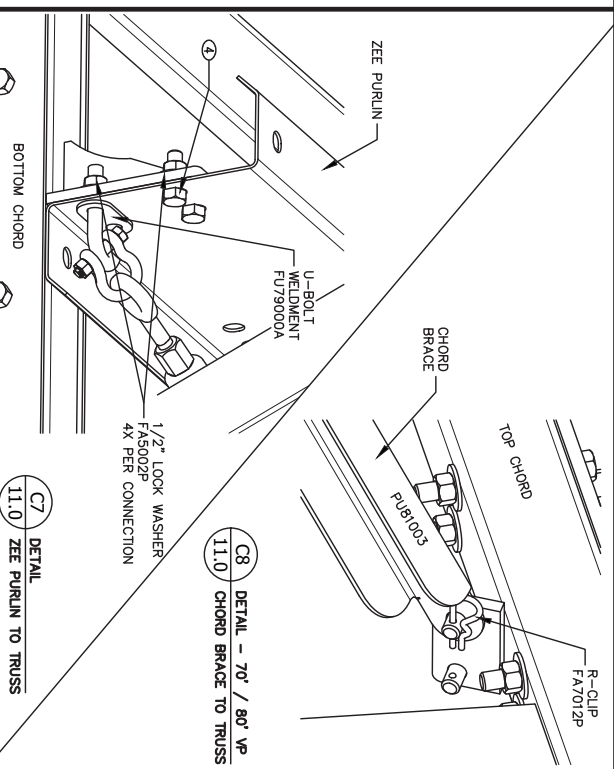
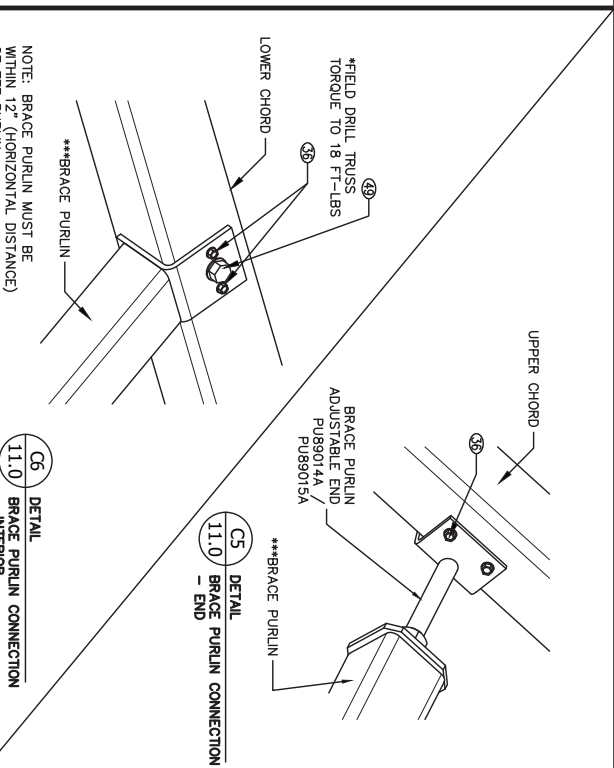
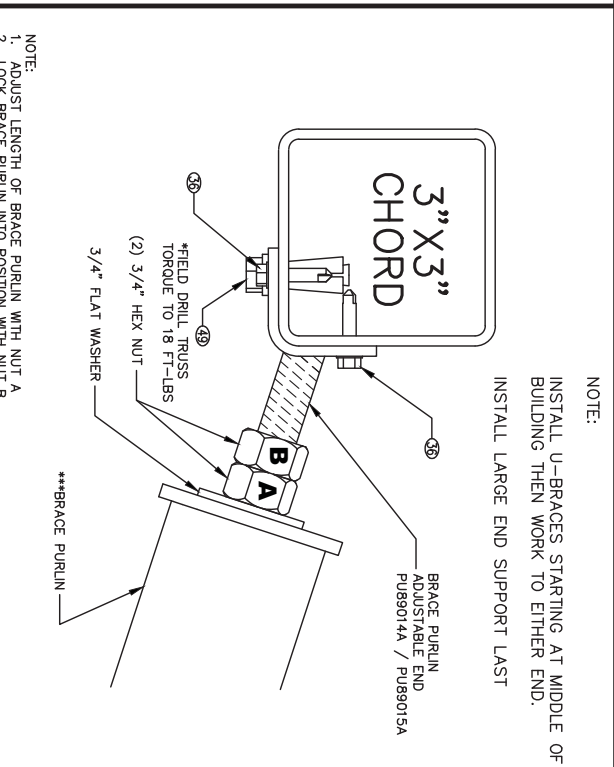
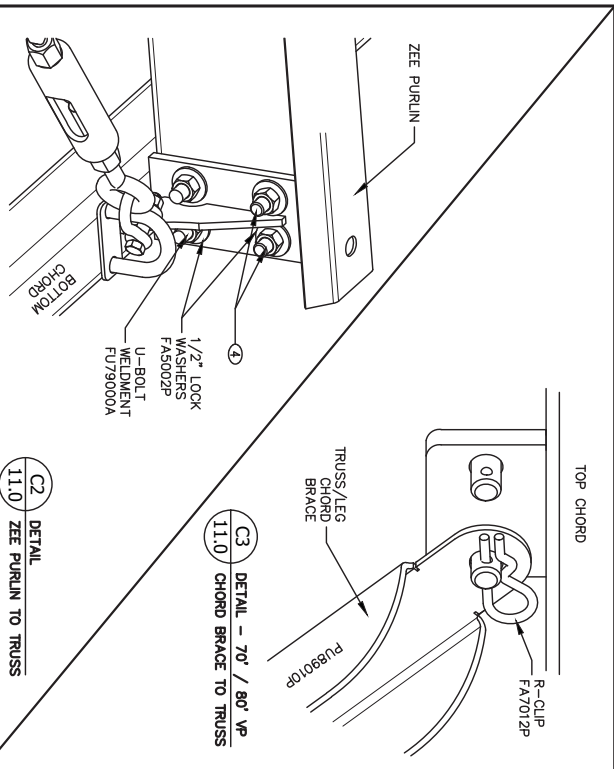
NOTES:
 1. REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER.
 2. ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT - UNO.
 3. *** = PART NUMBER VARIES ACCORDING TO APPLICABLE BAY SPACING.

ANY MODIFICATIONS OR DAMAGE TO STRUCTURE OR COMPONENTS MUST BE REPORTED IMMEDIATELY TO CALHOUN SUPER STRUCTURES. ALL REPAIRS MUST BE APPROVED BY EOS IN WRITING.

FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

CALHOUN
 70' VP SERIES
 404527 VP 70X216 R1

10.01
 SHEET 0 OF 13

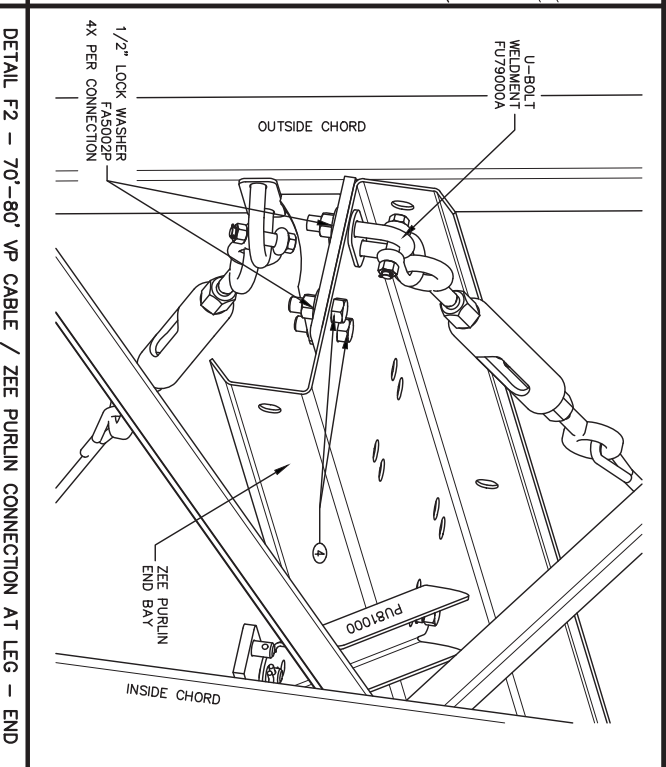
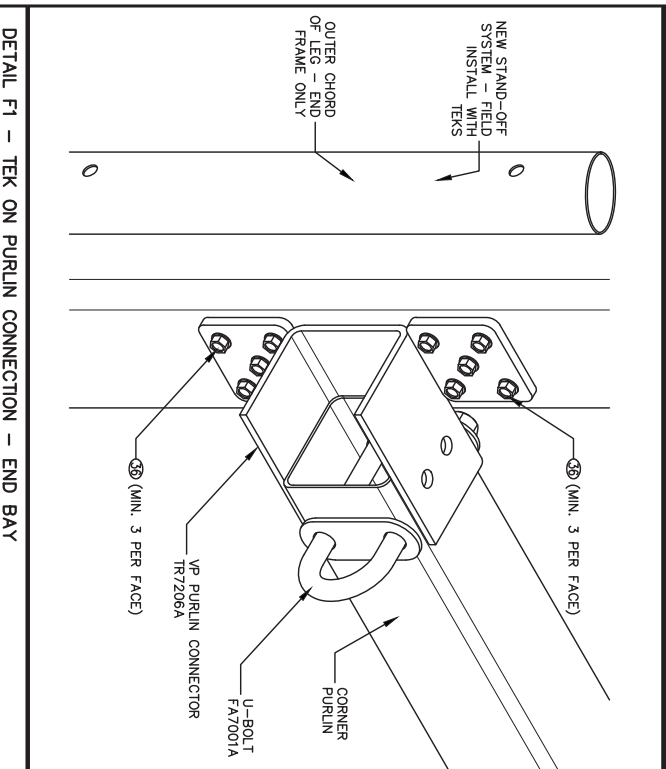


NOTE: DOUBLE CHORD BRACE AT GRIDS 2 & 14 ONLY. THE REST ARE SINGLE BRACED.

NOTE: NEW STAND-OFF SYSTEM FIELD INSTALL WITH TEAKS - BOTTOM CHORD AT TRUSS, STOP AT START OF LEG

NOTE: DOUBLE CHORD BRACE AT GRIDS 2 & 14 ONLY. THE REST ARE SINGLE BRACED.

NOTE: 1. REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER. 2. ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT - UNO. 3. *** = PART NUMBER VARIES ACCORDING TO APPLICABLE BAY SPACING.



HARDWARE SCHEDULE (AS OCCURS)

ITEM NO.	DESCRIPTION	PART No.	ITEM NO.	DESCRIPTION	PART No.
1	HEX BOLT 5/8 X 1-1/2	FA0029P	23	CARRIAGE BOLT 3/8 X 1-1/2	FC080150056
2	---	---	26	CARRIAGE BOLT 3/8 X 4	FA0103P
3	---	---	27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
4	HEX BOLT 1/2 X 1-1/2	FA0011P	28	CARRIAGE BOLT 1/2 X 2	FA0146P
5	HEX BOLT 1/2 X 2-1/2	FA0151P	29	CARRIAGE BOLT 1/2 X 4-1/2	FA0138P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA021P	30	CARRIAGE BOLT 1/2 X 5	FA0127P
7	HEX BOLT 1/2 X 3-1/2	FA0006P	31	CARRIAGE BOLT 1/2 X 5-1/2	FA0109P
8	HEX BOLT 1/2 X 4-1/2	FA0076P	32	CARRIAGE BOLT 5/8 X 6	FA0142P
9	HEX BOLT 1/2 X 4-1/2	FA0009P	33	CARRIAGE BOLT 1/2 X 1-1/2	FA0179P
10	HEX BOLT 1/2 X 5	FA0010P	34	LAG BOLT 3/8 X 1-1/2	FA0030P
11	HEX BOLT 1/2 X 5-1/2	FA0080P	35	LAG BOLT 1/2 X 3-1/2	FA0007P
12	HEX BOLT 1/2 X 6-1/2	FA0065P	36	TEK SOCREMS 1/4 X 1-1/4	FA0059P
13	HEX BOLT 1/2 X 7-1/2	FA0065P	37	TEK SOCREMS 1/4 X 1-1/2 GAS	FA0002P
14	HEX BOLT 5/8 X 1-1/2	FA0059P	38	TEK SOCREMS 1/4 X 1 WHITE	FA0067P
15	HEX BOLT 5/8 X 2	FA0061P	39	TEK SOCREMS 12-24 X 1-1/4	FA0147P
16	HEX BOLT 5/8 X 2-1/2	FA0062P	40	TEK SOCREMS 1/4 X 2-1/2	FA0099P
17	HEX BOLT 5/8 X 3	FA0063P	41	---	---
18	HEX BOLT 5/8 X 4	FA0055P	42	THREADED ROD 5/8 X 5	FR100500026
19	HEX BOLT 5/8 X 5	FA0074P	43	CARRIAGE BOLT 5/8 X 2	FC100200056
20	HEX BOLT 5/8 X 6	FA016P	44	HEX BOLT 1/2 X 1	FB080100056
21	HEX BOLT 3/4 X 3	FA0077P			
22	HEX BOLT 3/4 X 5	FA0005P			
23	HEX BOLT 7/8 X 2-1/2	FA0120P	49	BLIND BOLT 5/16" X 2"	FA1054P
24	HEX BOLT 1-1/4 X 4-1/2	FA0705P	50	CONCRETE ANCHORS BY OTHERS	

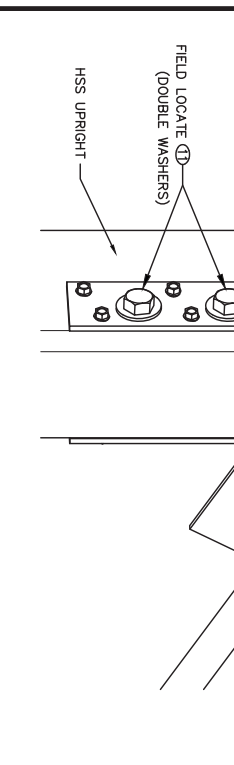
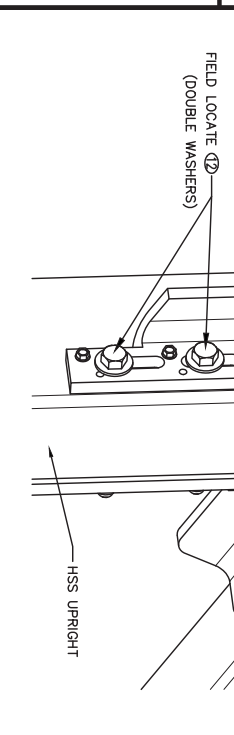
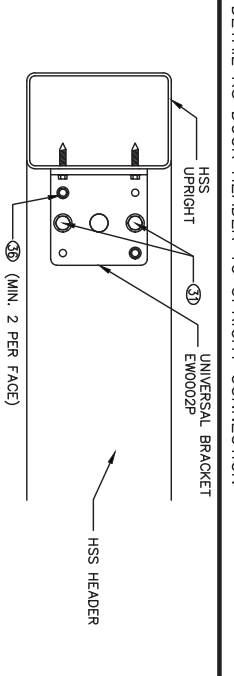
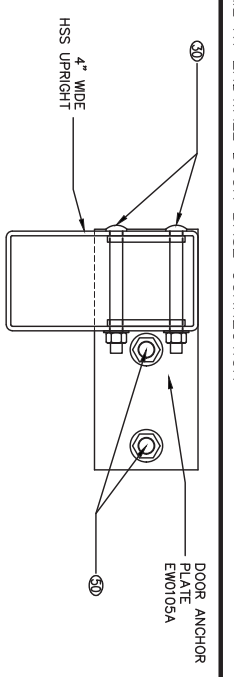
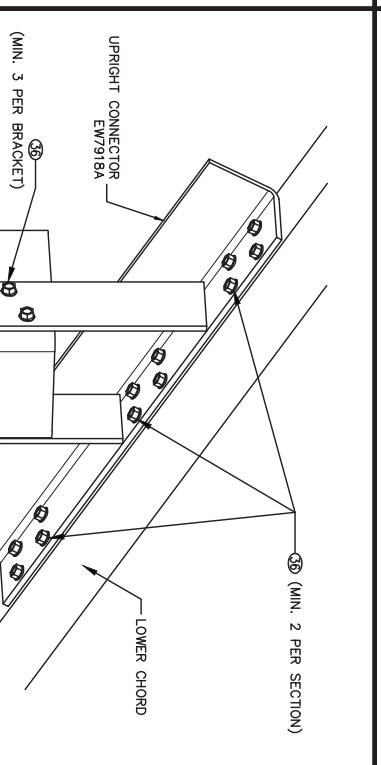
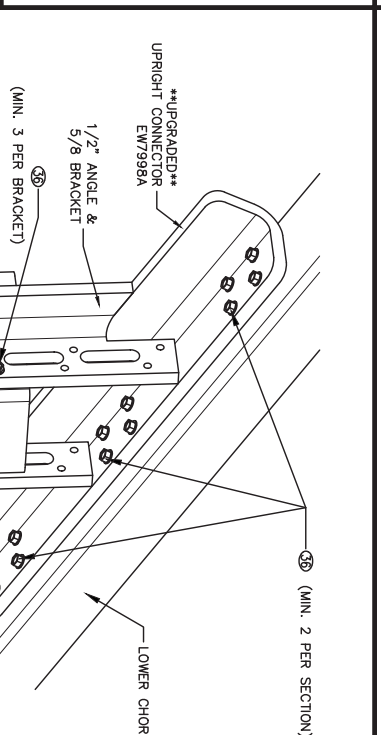
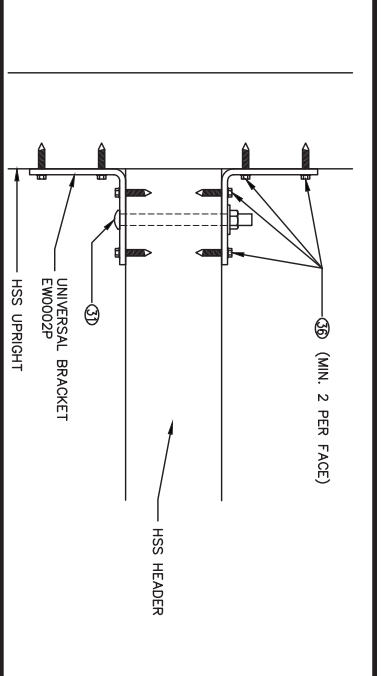
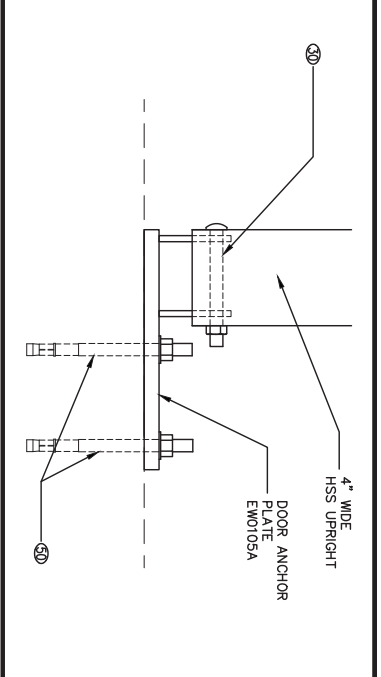
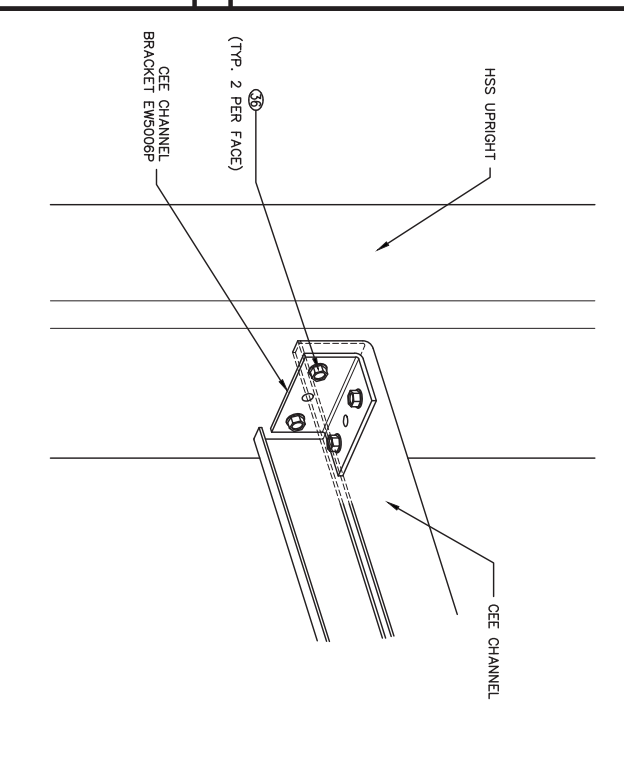
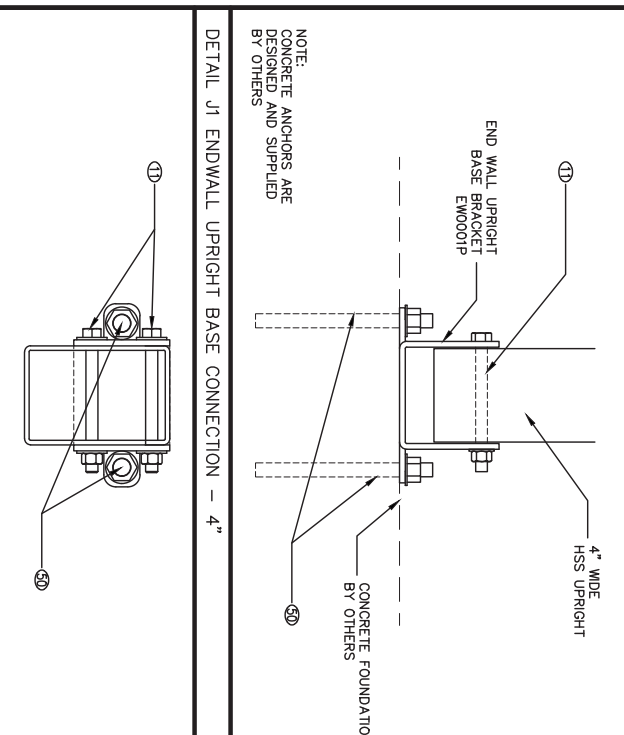
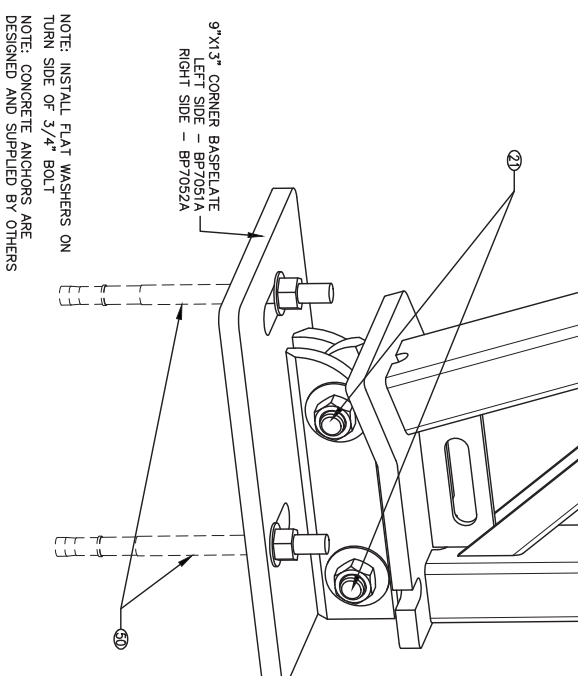
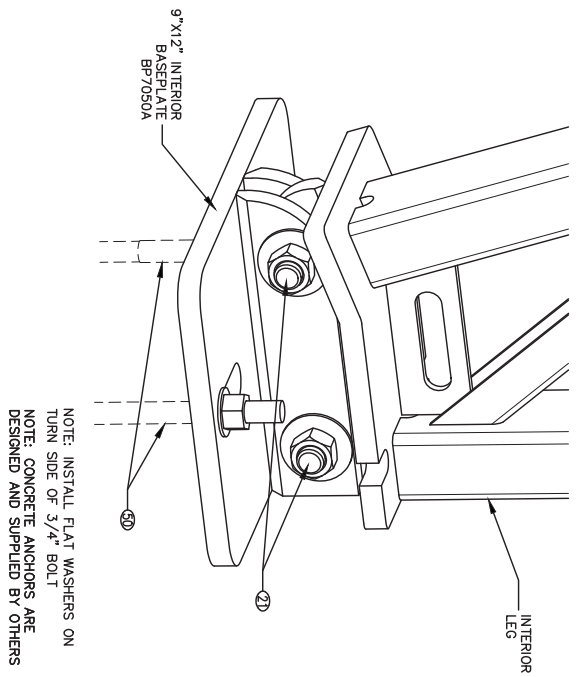
COMMONWEALTH OF MASSACHUSETTS
GREG RILEY
 STRUCTURAL
 No. 4812
 REGISTERED PROFESSIONAL ENGINEER

CALHOUN
 70' VP SERIES
 404527 VP 70X216 R1

ANY MODIFICATIONS OR DAMAGE TO STRUCTURE OR COMPONENTS MUST BE REPORTED IMMEDIATELY TO CALHOUN SUPER STRUCTURES. ALL REPAIRS MUST BE APPROVED BY EOS IN WRITING.
 FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

NO.	DESCRIPTION	DATE
1	ENGINEER APPROVAL	29/03/2017
	DESIGN APPROVAL	29/03/2017

SCALE: **D** SHEET 1 OF 13



PLAN VIEW K1

PLAN VIEW K2

DETAIL L1 - HSS UPRIGHT TO UPGRADED TRUSS CONNECTION - INSIDE VIEW

DETAIL L2 - 4" HSS UPRIGHT TO TRUSS CONNECTION - INSIDE VIEW

HARDWARE SCHEDULE (AS OCCURS)

ITEM No.	DESCRIPTION	PART No.	ITEM No.	DESCRIPTION	PART No.
1	HEX BOLT 3/8 X 1-1/2	FA0029P	25	CARRIAGE BOLT 3/8 X 1-1/2	FC0801500356
2	---	---	26	CARRIAGE BOLT 3/8 X 4	FA0103P
3	---	---	27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
4	HEX BOLT 1/2 X 1-1/2	FA0011P	28	CARRIAGE BOLT 1/2 X 2	FA0146P
5	HEX BOLT 1/2 X 2-1/2	FA0151P	29	CARRIAGE BOLT 1/2 X 4-1/2	FA0139P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA0021P	30	CARRIAGE BOLT 1/2 X 5	FA0127P
7	HEX BOLT 1/2 X 3-1/2	FA0006P	31	CARRIAGE BOLT 1/2 X 5-1/2	FA0109P
8	HEX BOLT 1/2 X 4	FA0009P	32	CARRIAGE BOLT 5/8 X 1-1/2	FA0142P
9	HEX BOLT 1/2 X 4-1/2	FA0076P	33	CARRIAGE BOLT 5/8 X 6	FA0179P
10	HEX BOLT 1/2 X 5	FA0010P	34	LAG BOLT 3/8 X 1-1/2	FA0030P
11	HEX BOLT 1/2 X 5-1/2	FA0080P	35	LAG BOLT 1/2 X 3-1/2	FA0007P
12	HEX BOLT 1/2 X 6-1/2	FH080650056	36	TEK SCREWS 1/4 X 1-1/4	FA0085P
13	HEX BOLT 1/2 X 7-1/2	FH080750056	37	TEK SCREWS 1/4 X 1-1/2 GAS	FA0002P
14	HEX BOLT 5/8 X 1-1/2	FA0059P	38	TEK SCREWS 1/4 X 1 WHITE	FA0087P
15	HEX BOLT 5/8 X 2	FA0061P	39	TEK SCREWS 1/4 X 2-1/2	FA0147P
16	HEX BOLT 5/8 X 2-1/2	FA0062P	40	TEK SCREWS 1/4 X 2-1/2	FA0089P
17	HEX BOLT 5/8 X 3	FA0063P	41	---	---
18	HEX BOLT 5/8 X 4	FA0055P	42	THREADED ROD 5/8 X 5	FR1005000326
19	HEX BOLT 5/8 X 5	FA0074P	43	CARRIAGE BOLT 5/8 X 2	FC1002000356
20	HEX BOLT 5/8 X 6	FA0076P	44	HEX BOLT 1/2 X 1	FH0801000356
21	HEX BOLT 3/4 X 3	FA0077P			
22	HEX BOLT 3/4 X 5	FA0003P			
23	HEX BOLT 7/8 X 2-1/2	FA0120P	49	BLIND BOLT 5/16" X 2"	FA1054P
24	HEX BOLT 1-1/4 X 4-1/2	FA0075P	50	CONCRETE ANCHORS BY OTHERS	

NOTES:
 1. REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER.
 2. ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT - UNO.
 3. *** = PART NUMBER VARIES ACCORDING TO APPLICABLE BAY SPACING.



ANY MODIFICATIONS OR DAMAGE TO STRUCTURE OR COMPONENTS MUST BE REPORTED IMMEDIATELY TO CALHOUN SUPER STRUCTURES. ALL REPAIRS MUST BE APPROVED BY EOS IN WRITING.

FOUNDATION DESIGNED AND SUPPLIED BY OTHERS



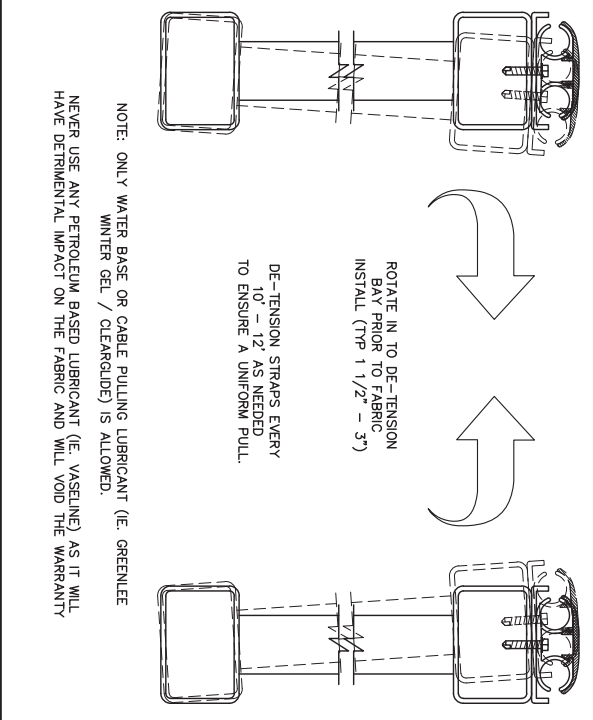
1	ENGINEER APPROVAL	29/03/2017	DATE
	DESCRIPTION		
	REVISION / ISSUE		

Calhoun Super Structures Ltd
 1-800-260-9194
 www.calhoun.ca
 1500 Highway 7
 Toronto, Ontario, Canada
 M1S 5T6

NAME: GREG RILEY
 REG. NO.: 45072
 EXPIRES: 29/03/2017
 C.E.O.: GREG RILEY
 DATE: 29/03/2017

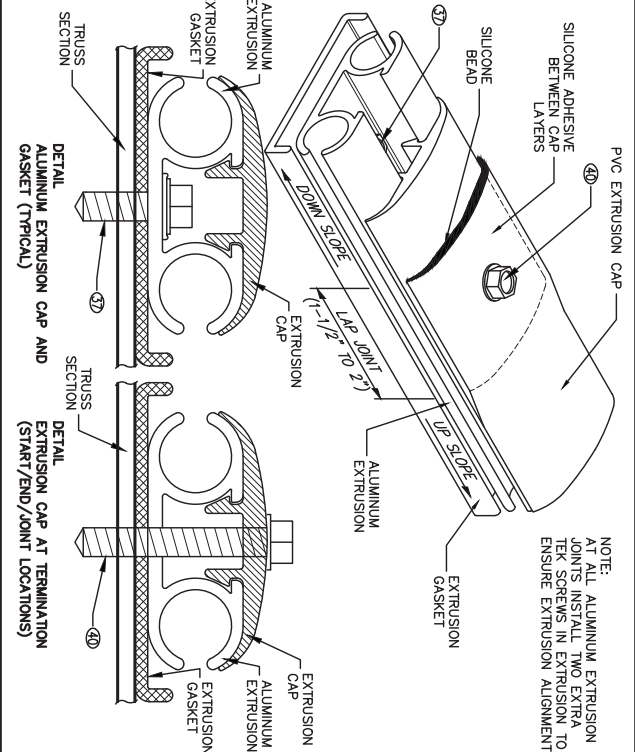
THE REGULATION CONTAINED IN THIS DOCUMENT APPLIES TO THE DESIGN AND CONSTRUCTION OF STRUCTURES AND IS THE SOLE PROPERTY OF CALHOUN SUPER STRUCTURES LTD. ANY REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF CALHOUN SUPER STRUCTURES LTD. IS PROHIBITED.

SCALE: 1/2" = 1'-0"
DATE: 29/03/2017
PROJECT: 404527 VP-e 70x216 R1
SHEET: 12.01 OF 13



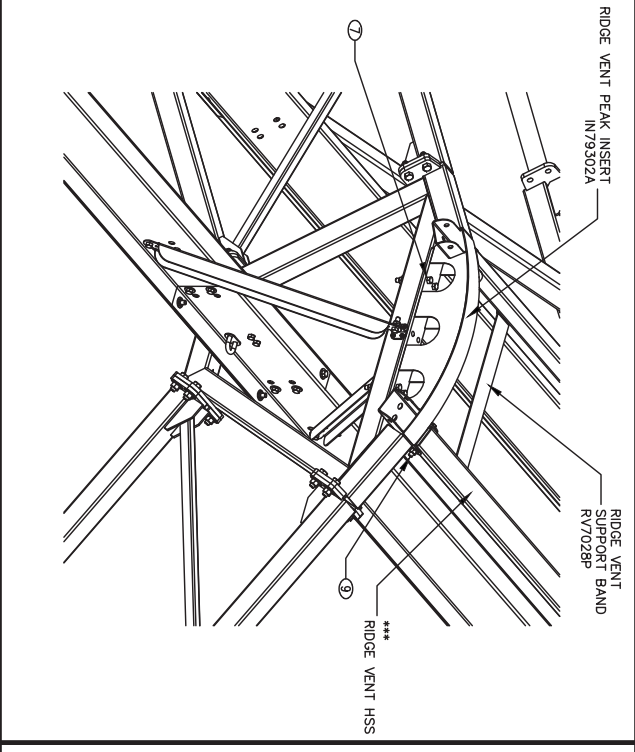
DETAIL P1 - KEDER PANEL INSTALLATION

HARDWARE SCHEDULE (AS OCCURS)		
ITEM No.	DESCRIPTION	PART No.
1	HEX BOLT 3/8 X 1-1/2	FA0029P
2	---	---
3	---	---
4	HEX BOLT 1/2 X 1-1/2	FA0011P
5	HEX BOLT 1/2 X 2-1/2	FA0151P
6	HEX BOLT 1/2 X 2-1/2 GR8	FA7021P
7	HEX BOLT 1/2 X 3-1/2	FA0006P
8	HEX BOLT 1/2 X 4	FA0009P
9	HEX BOLT 1/2 X 4-1/2	FA0076P
10	HEX BOLT 1/2 X 5	FA0010P
11	HEX BOLT 1/2 X 5-1/2	FA0080P
12	HEX BOLT 1/2 X 6-1/2	FH080650056
13	HEX BOLT 1/2 X 7-1/2	FH080750056
14	HEX BOLT 5/8 X 1-1/2	FA0059P
15	HEX BOLT 5/8 X 2	FA0061P
16	HEX BOLT 5/8 X 2-1/2	FA0062P
17	HEX BOLT 5/8 X 3	FA0063P
18	HEX BOLT 5/8 X 4	FA0055P
19	HEX BOLT 5/8 X 5	FA0074P
20	HEX BOLT 5/8 X 6	FA7016P
21	HEX BOLT 3/4 X 3	FA0077P
22	HEX BOLT 3/4 X 5	FA0005P
23	HEX BOLT 7/8 X 2-1/2	FA0120P
24	HEX BOLT 1-1/4 X 4-1/2	FA7015P
ITEM No.	DESCRIPTION	PART No.
25	CARRIAGE BOLT 3/8 X 1-1/2	FC060150056
26	CARRIAGE BOLT 3/8 X 4	FA0103P
27	CARRIAGE BOLT 3/8 X 4-1/2	FA0102P
28	CARRIAGE BOLT 1/2 X 2	FA0146P
29	CARRIAGE BOLT 1/2 X 4-1/2	FA0139P
30	CARRIAGE BOLT 1/2 X 5	FA0127P
31	CARRIAGE BOLT 1/2 X 5-1/2	FA7010P
32	CARRIAGE BOLT 5/8 X 1-1/2	FA0142P
33	CARRIAGE BOLT 5/8 X 6	FA7017P
34	LAG BOLT 3/8 X 1-1/2	FA0030P
35	LAG BOLT 1/2 X 3-1/2	FA0007P
36	TEK SCREWS 1/4 X 1-1/4	FA0085P
37	TEK SCREWS 1/4 X 1-1/2 GMS	FA7002P
38	TEK SCREWS 1/4 X 1 WHITE	FA0067P
39	TEK SCREWS 1/4 X 1-1/4	FA0147P
40	TEK SCREWS 1/4 X 2-1/2	FA0089P
41	---	---
42	THREADED ROD 5/8 X 5	FR100500026
43	CARRIAGE BOLT 5/8 X 2	FC100200056
44	HEX BOLT 1/2 X 1	FH080100056
49	BLIND BOLT 5/16" X 2"	FA1054P
50	CONCRETE ANCHORS BY OTHERS	

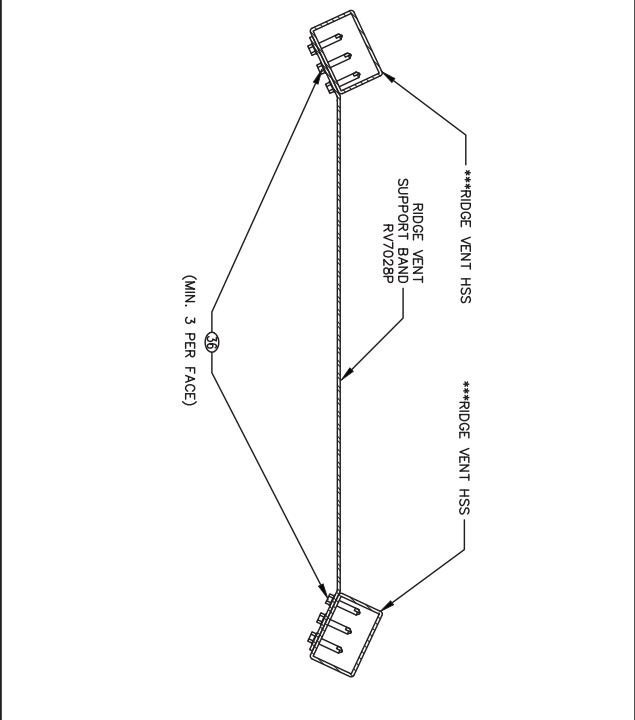


DETAIL Q1 - VP ALUMINUM EXTRUSION, EXTRUSION CAP & GASKET (TYPICAL)

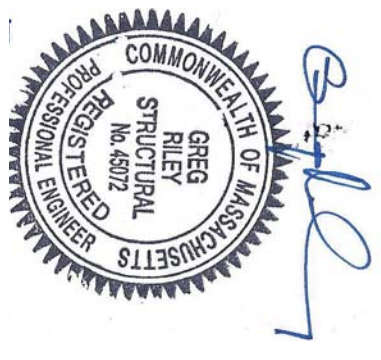
- NOTES:
 1. REFERENCE TO BOLTS AND/OR U-BOLTS INCLUDES ASSOCIATED NUT AND WASHER.
 2. ALWAYS INSTALL WASHER ON TURN SIDE OF BOLT UNLESS OTHERWISE NOTED.
 3. *** = PART NUMBER VARIES ACCORDING TO APPLICABLE BAY SPACING.



DETAIL R1 - 70/80 VP RIDGE VENT DETAIL - INTERIOR FULL COUPLER



DETAIL R2 - 70/80 VP RIDGE VENT SUPPORT DETAIL



ANY MODIFICATIONS OR DAMAGE TO STRUCTURE OR COMPONENTS MUST BE REPORTED IMMEDIATELY TO CALHOUN SUPER STRUCTURES. ALL REPAIRS MUST BE APPROVED BY EOS IN WRITING.

FOUNDATION DESIGNED AND SUPPLIED BY OTHERS

Calhoun Super Structures Ltd
 1-800-387-3934
 www.calhoun.ca

DESIGNED BY: GREG RILEY
 CHECKED BY: A.G.B.
 DATE: 29/03/2017

SCALE: 13.01
 SHEET: 5 OF 13

DETAILS
 70' VP SERIES
 404527 VP-e 70X216 R1