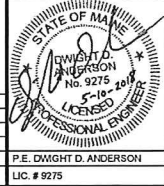


THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

NOTE: THE PURPOSE OF THIS PLAN IS TO SHOW SPOT GRADES AT THE CORNERS OF EACH PANEL OF THE PCC AIRCRAFT APRON. OTHER INFORMATION ON THIS SHEET HAS BEEN FADED BACK TO MORE CLEARLY PRESENT THE PROPOSED SPOT GRADES.

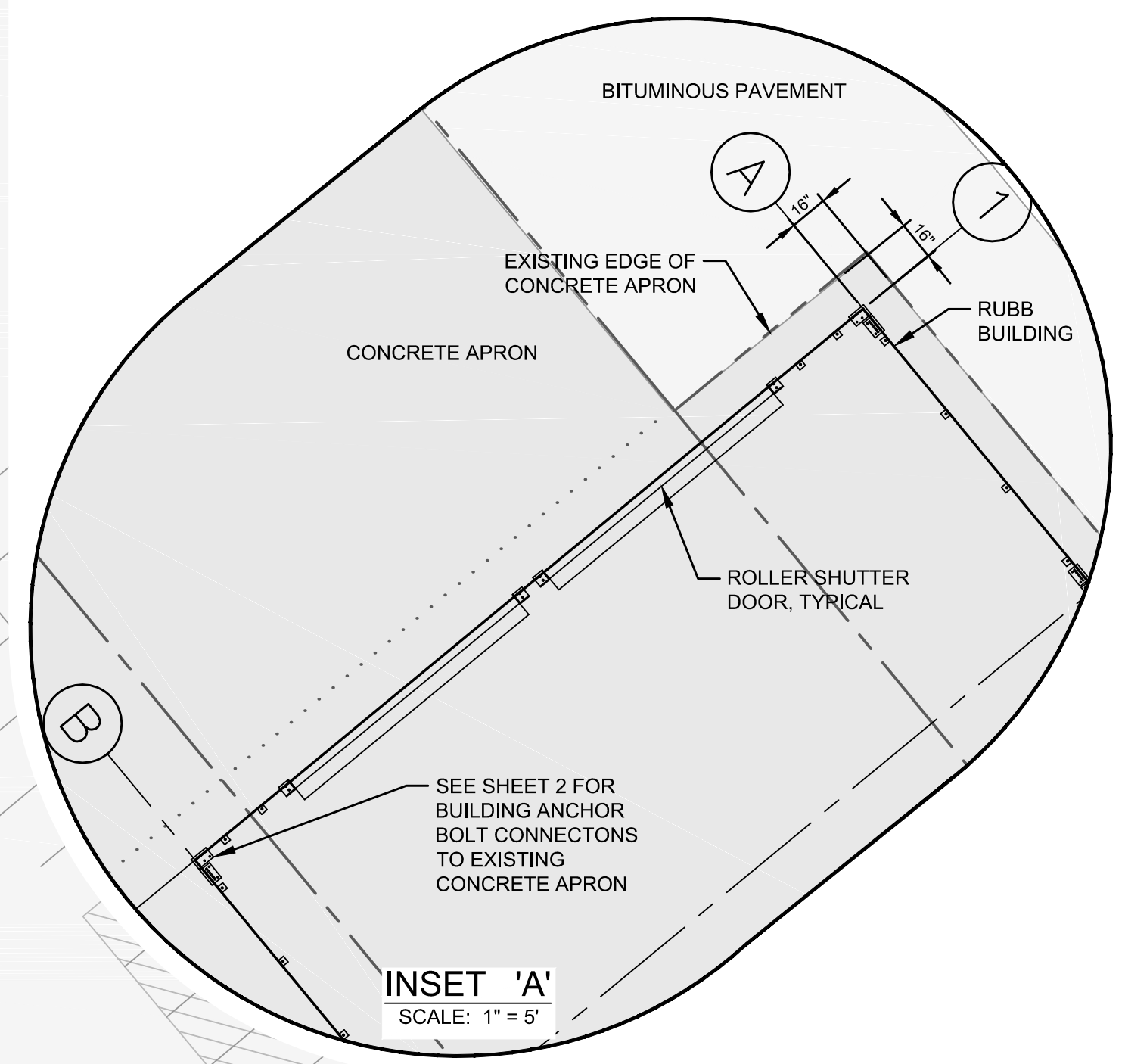
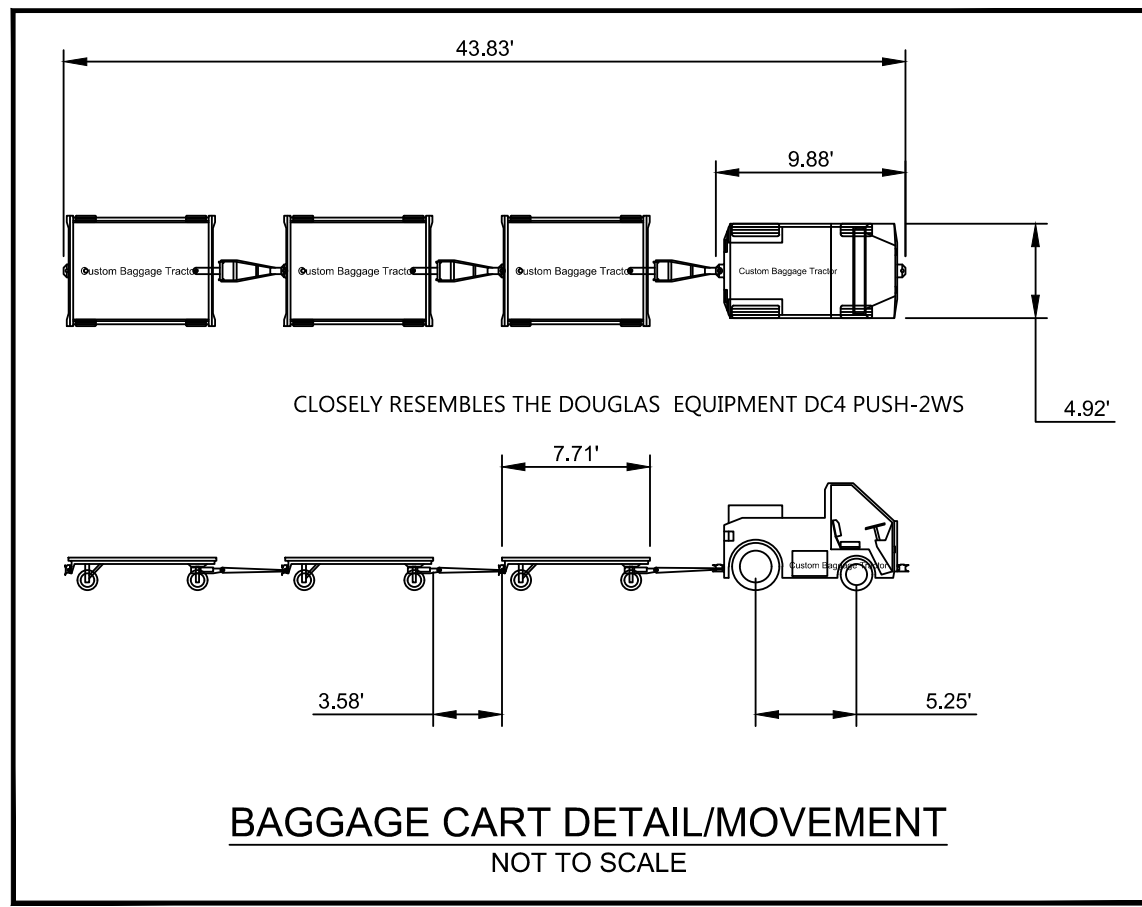


REV	DATE	DESCRIPTION	REVISIONS
4	05.10.2018	RECORD DRAWING	
3	06.08.2016	ISSUED FOR CONSTRUCTION	
2	03.06.2016	RELEASED FOR BID	
1	02.22.2016	ISSUED TO CITY, MOOT AND FAA FOR REVIEW	



PROJECT: TERMINAL APRON EXPANSION NORTHWEST END AND ADDITIONAL AIRFIELD IMPROVEMENTS AIP-3-23-0038-81-2016
 SHEET TITLE: TERMINAL APRON EXPANSION - SPOT GRADE PLAN
 CLIENT: PORTLAND INTERNATIONAL JETPORT PORTLAND, MAINE

STANTEC CONSULTING SERVICES INC.
 482 PAYNE ROAD
 SCARBOROUGH, MAINE 04074
 WWW.STANTEC.COM
 DRAWN: AMC DATE: FEBRUARY 2016
 DESIGNED: AMC SCALE: 1" = 20'
 CHECKED: DDA JOB NO. 195350320
 FILE NAME: 195350320-GRADING
 SHEET: 4.4



- NOTES:**
1. REINFORCED STEEL WAS USED IN ODD-SHAPED (PARTIAL) SLABS AND WHERE LENGTH TO WIDTH RATIO EXCEEDED 1.25 TO 1.
 2. AN ISOLATION JOINT (TYPE A) WAS INSTALLED AROUND ALL STRUCTURES WITHIN THE CONCRETE APRON.
 3. ALL CONCRETE WITHIN THE NEW APRON WAS BROOM FINISHED. (SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION).
 4. ALL EXISTING CONCRETE EDGES HAD DOWELS CORED AND EPOXIED INTO PLACE PRIOR TO PLACING ADJACENT CONCRETE.

JOINTING LEGEND

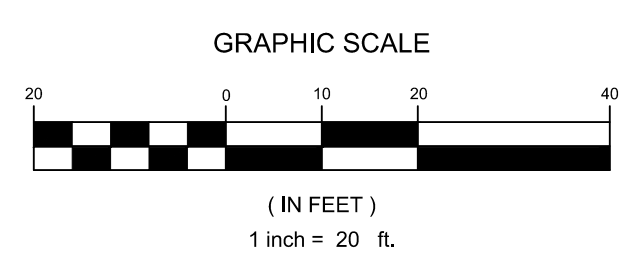
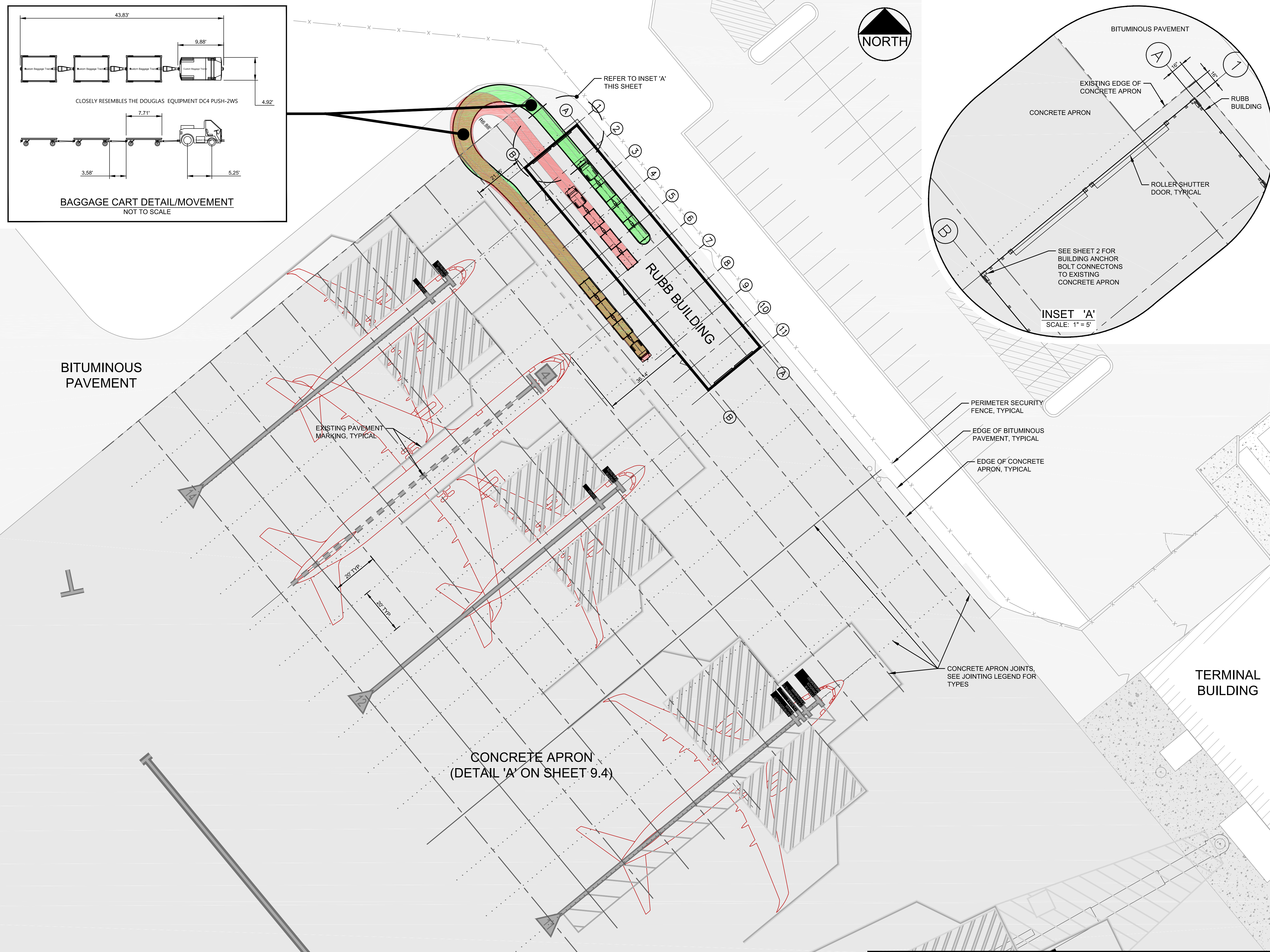
ISOLATION JOINT (TYPE A-1)	-----	DETAIL 'B' SHEET 9.3
CONTRACTION JOINT (TYPE C)	DETAIL 'C' SHEET 9.3
CONSTRUCTION JOINT (TYPE E)	-----	DETAIL 'D' SHEET 9.3
MODIFIED CONSTRUCTION JOINT	-----	DETAIL 'B' SHEET 9.5
EXPANSION JOINT	-----	DETAIL 'F' SHEET 9.3
BITUMINOUS TRANSITION JOINT	-----	DETAIL 'A' SHEET 9.5

*ISOLATION JOINT (TYPE A-1) WAS INSTALLED AROUND ALL STRUCTURES WITHIN CONCRETE APRON

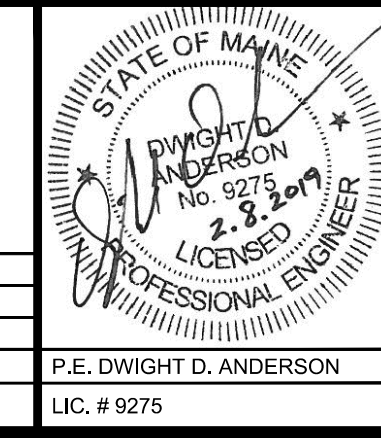
SITE LAYOUT LEGEND

	BITUMINOUS PAVEMENT
	CONCRETE

NOTE: RECORD DRAWING SHEETS 9.3, 9.4 AND 9.5 DATED 05.10.2018 PROVIDE THE DETAIL FOR THE CONCRETE APRON THE RUBB BUILDING WILL BE ANCHORED TO.

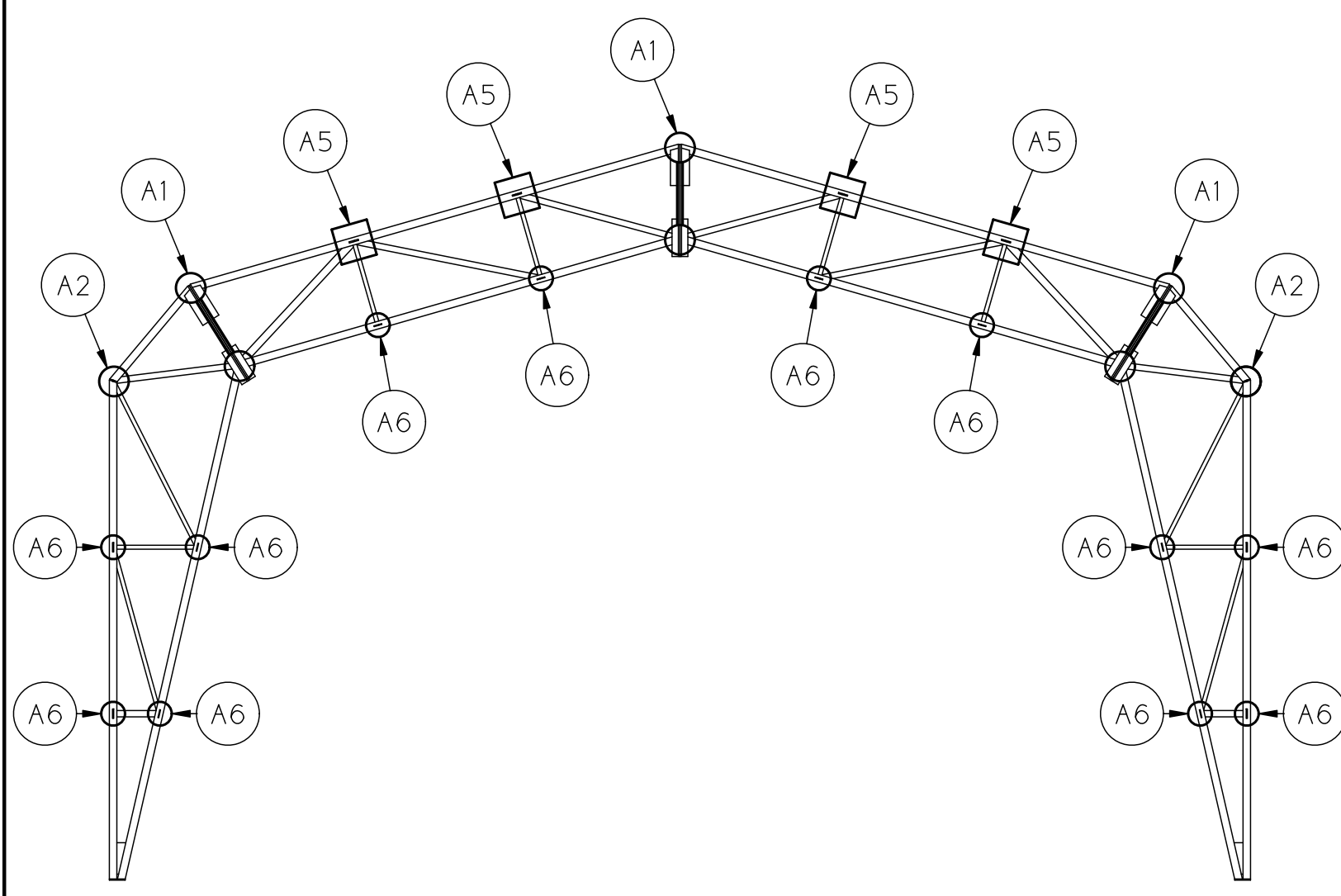


REV	DATE	DESCRIPTION
3	02.08.2019	SUBMITTED TO CITY
2	02.05.2019	ADDED TUG CART TURNING MOVEMENT
1	02.01.2019	SUBMITTED TO CITY FOR REVIEW



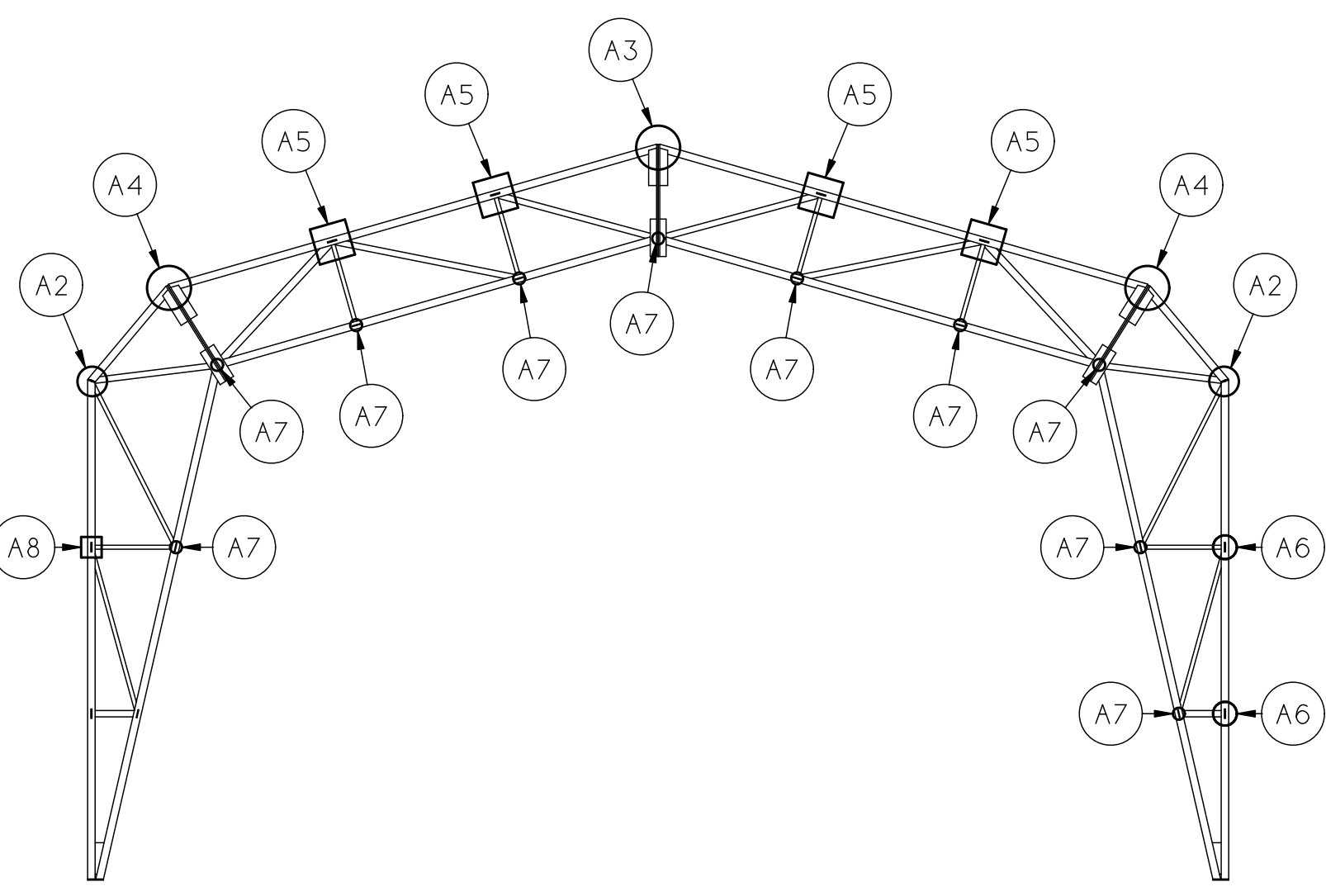
PROJECT	RUBB BUILDING SYSTEM INSTALLATION ON NW TERMINAL APRON AT THE PORTLAND INTERNATIONAL JETPORT
SHEET TITLE	SITE LAYOUT PLAN
CLIENT	PORTLAND INTERNATIONAL JETPORT PORTLAND, MAINE

STANTEC CONSULTING SERVICES INC.	
482 PAYNE ROAD SCARBOROUGH, MAINE 04074 WWW.STANTEC.COM	
DESIGNED: DDA	DATE: FEBRUARY 2019
CHECKED: DDA	SCALE: 1" = 20'
FILE NAME: 195210992_site_layout	JOB NO.: 195210992
SHEET	1



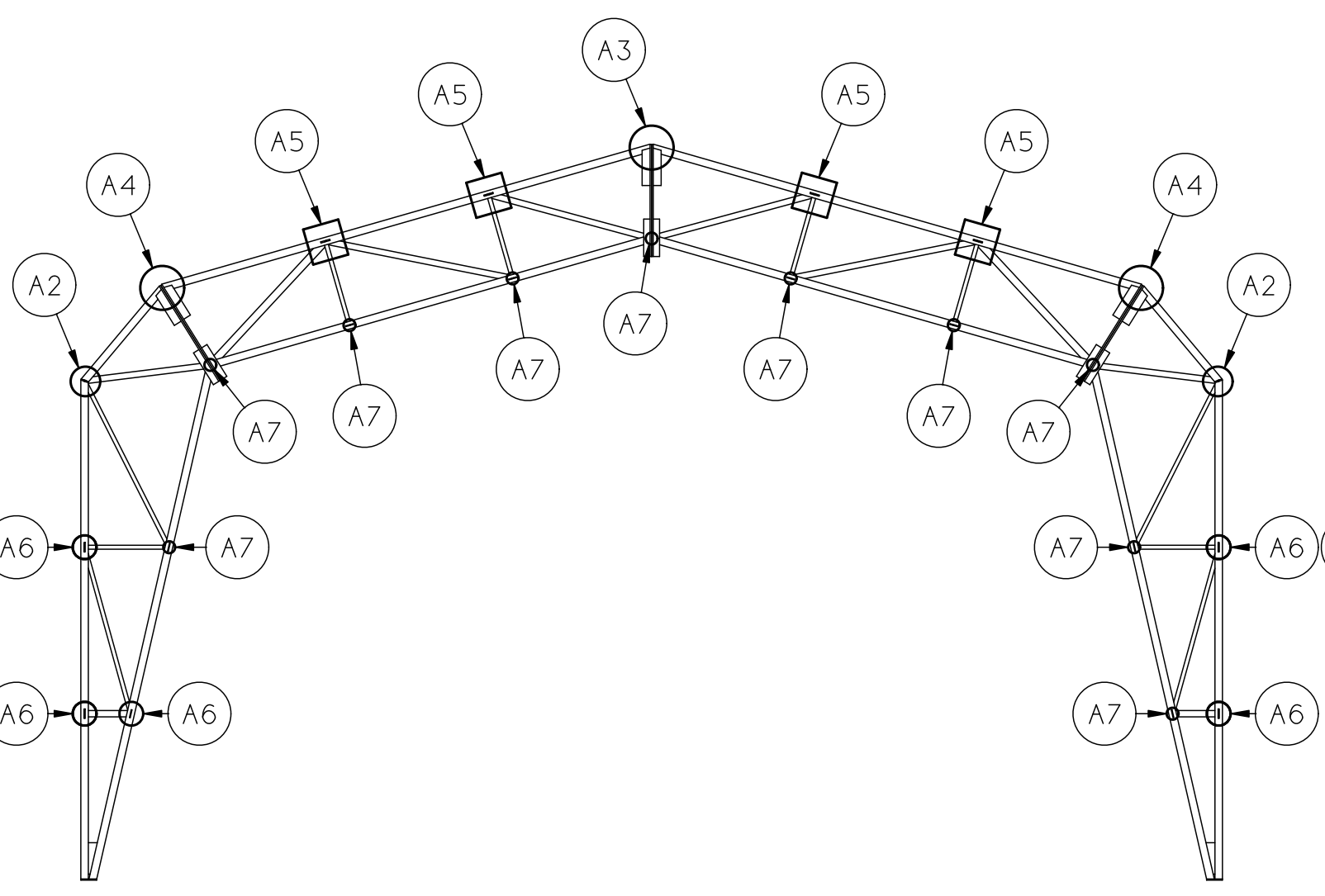
ASS'Y	QTY.	DESCRIPTION	DRAWING
A1	3	AXIAL FRAME	59018
A2	2	LEG BEND AXIAL TUBE	59018
A3	0	PEAK AXIAL TUBE	59018
A4	0	AXIAL TUBE	59018
A5	4	ROOF LONGITUDINAL	59018
A6	12	LEG LONGITUDINAL	59018
A7	0	UNDERGIRT	59018
A8	0	SIDE ACCESS DOOR HEADER	59027
A9	0	SIDE ACCESS DOOR HEADER	59027

12'-6" END BAY 1
VIEW "A-A"



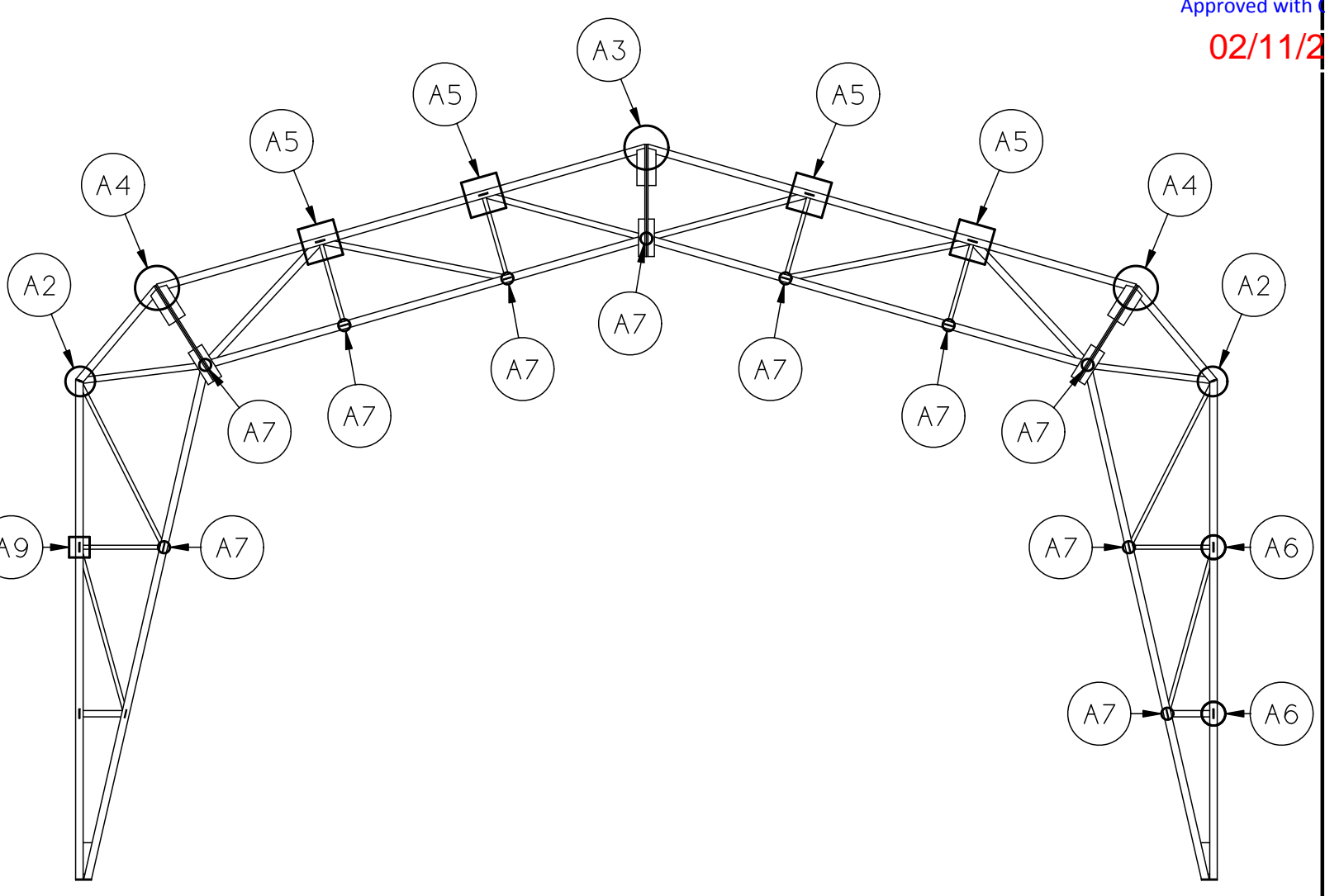
ASS'Y	QTY.	DESCRIPTION	DRAWING
A1	0	AXIAL FRAME	59018
A2	2	LEG BEND AXIAL TUBE	59018
A3	1	PEAK AXIAL TUBE	59018
A4	2	AXIAL TUBE	59018
A5	4	ROOF LONGITUDINAL	59018
A6	2	LEG LONGITUDINAL	59018
A7	10	UNDERGIRT	59018
A8	1	SIDE ACCESS DOOR HEADER	59027
A9	0	SIDE ACCESS DOOR HEADER	59027

12'-6" ACCESS DOOR BAY 2
VIEW "A-A"



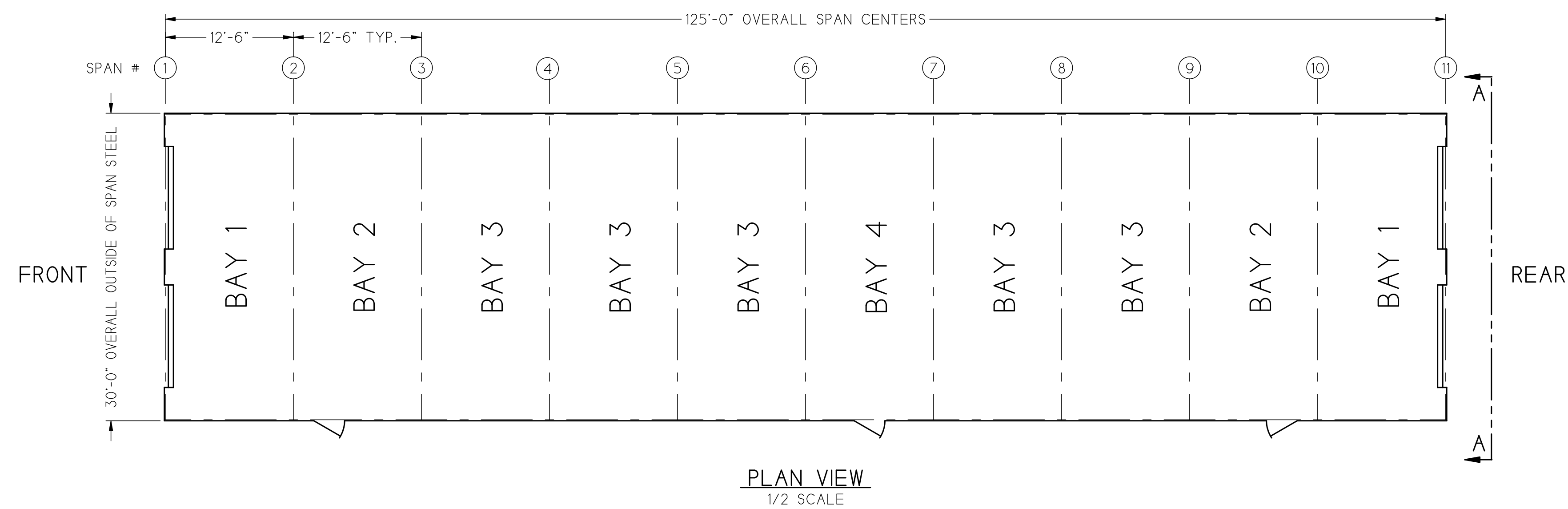
ASS'Y	QTY.	DESCRIPTION	DRAWING
A1	0	AXIAL FRAME	59018
A2	2	LEG BEND AXIAL TUBE	59018
A3	1	PEAK AXIAL TUBE	59018
A4	2	AXIAL TUBE	59018
A5	4	ROOF LONGITUDINAL	59018
A6	5	LEG LONGITUDINAL	59018
A7	10	UNDERGIRT	59018
A8	0	SIDE ACCESS DOOR HEADER	59027
A9	0	SIDE ACCESS DOOR HEADER	59027

MID BAY 3
VIEW "A-A"



ASS'Y	QTY.	DESCRIPTION	DRAWING
A1	0	AXIAL FRAME	59018
A2	2	LEG BEND AXIAL TUBE	59018
A3	1	PEAK AXIAL TUBE	59018
A4	2	AXIAL TUBE	59018
A5	4	ROOF LONGITUDINAL	59018
A6	2	LEG LONGITUDINAL	59018
A7	10	UNDERGIRT	59018
A8	0	SIDE ACCESS DOOR HEADER	59027
A9	1	SIDE ACCESS DOOR HEADER	59027

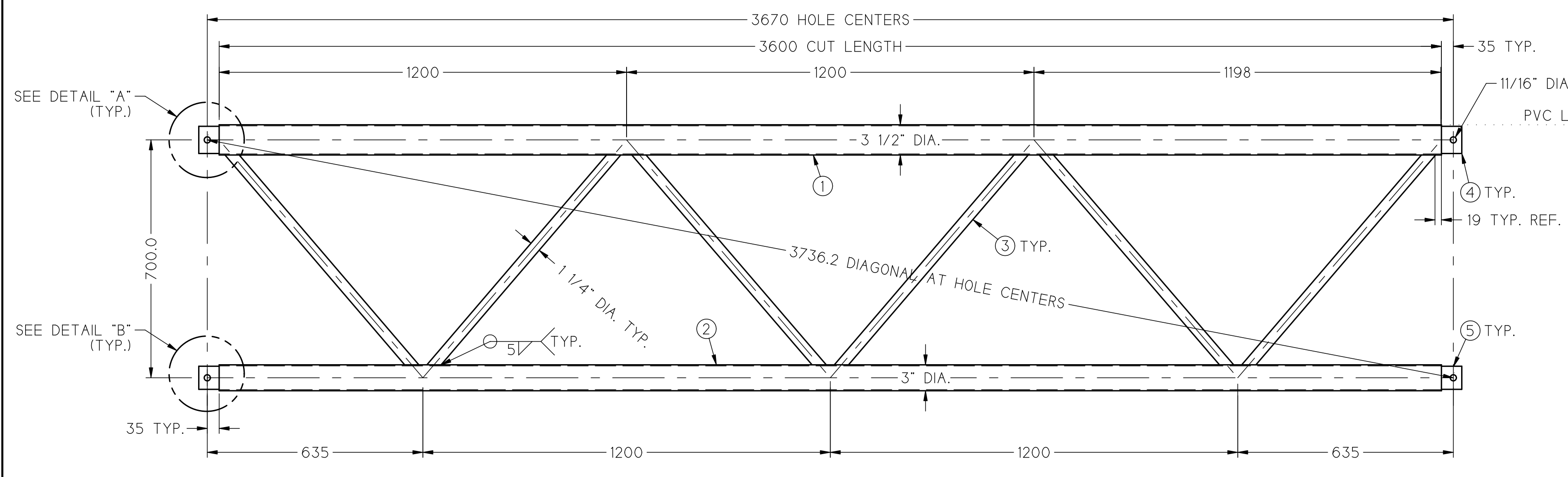
12'-6" ACCESS DOOR BAY 4
VIEW "A-A"



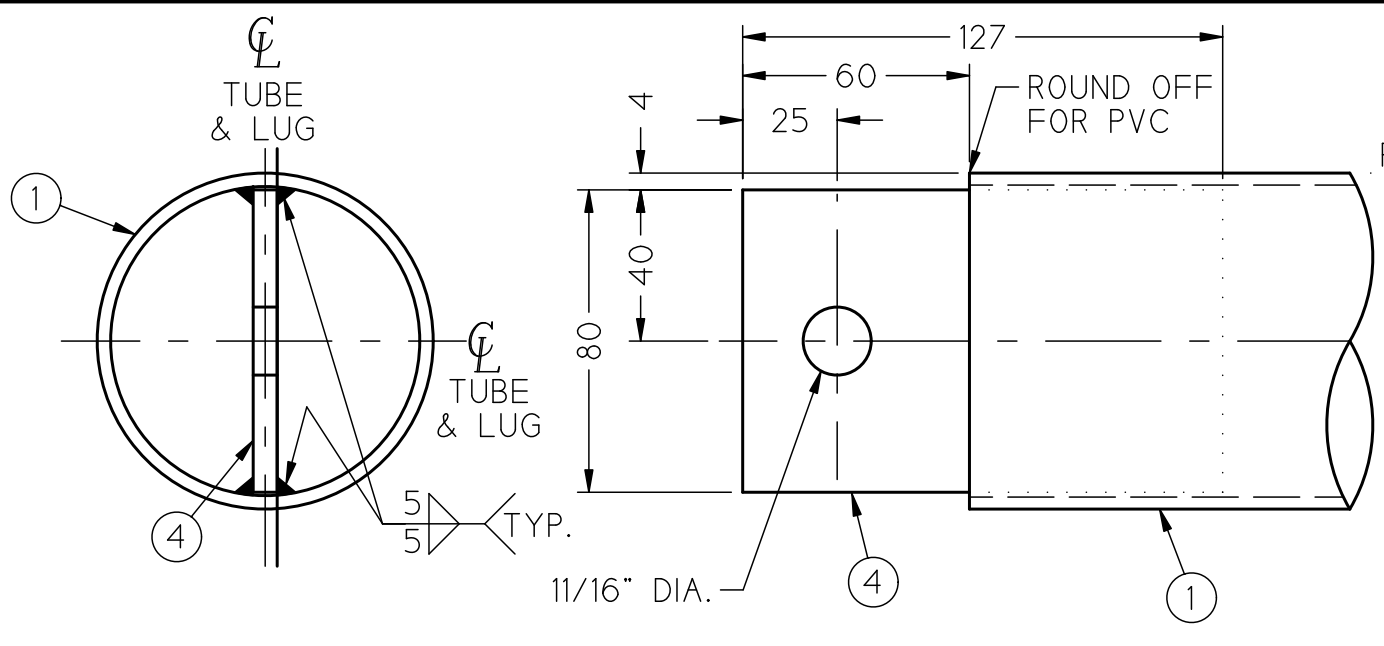
PLAN VIEW
1/2 SCALE

REV.	DESCRIPTION	DRAWN	APP.	DATE

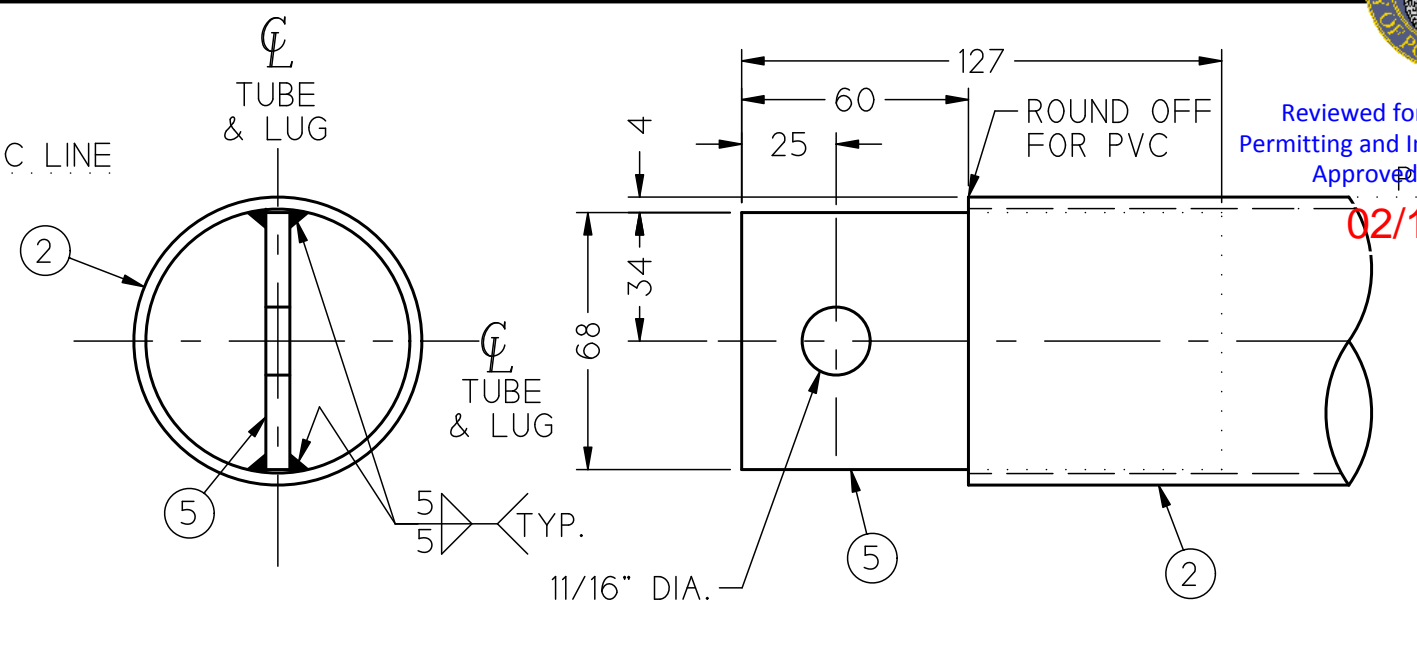
		TITLE 9.14m BVE / 4m LEG PURLIN PROFILE	
DRAWN MAG 12-12-18	SCALE 1 : 50	This drawing is the property of Rubb, Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of Rubb, Inc.	
APP. RH 12-13-18	JOB # 18110	CITY OF PORTLAND	
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347		DRAWING NO. 59019	



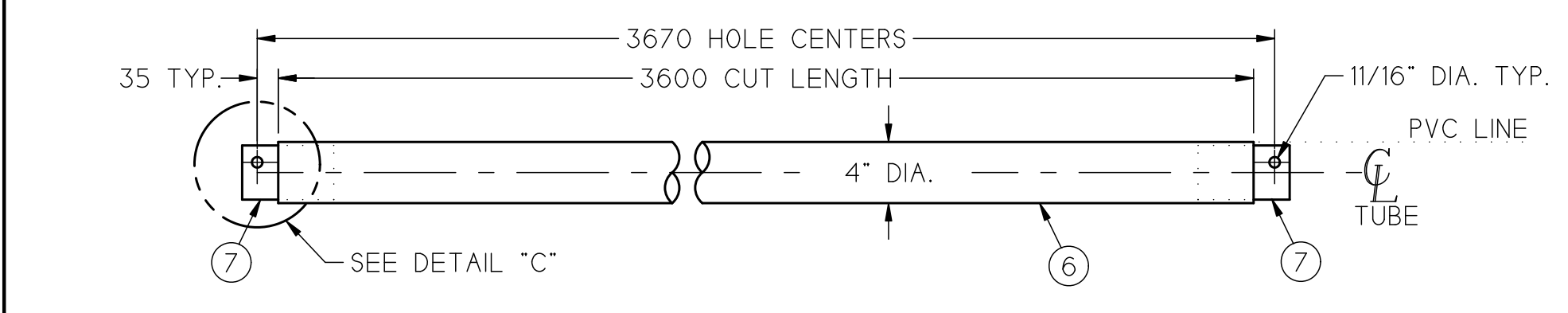
A1 - AXIAL FRAME



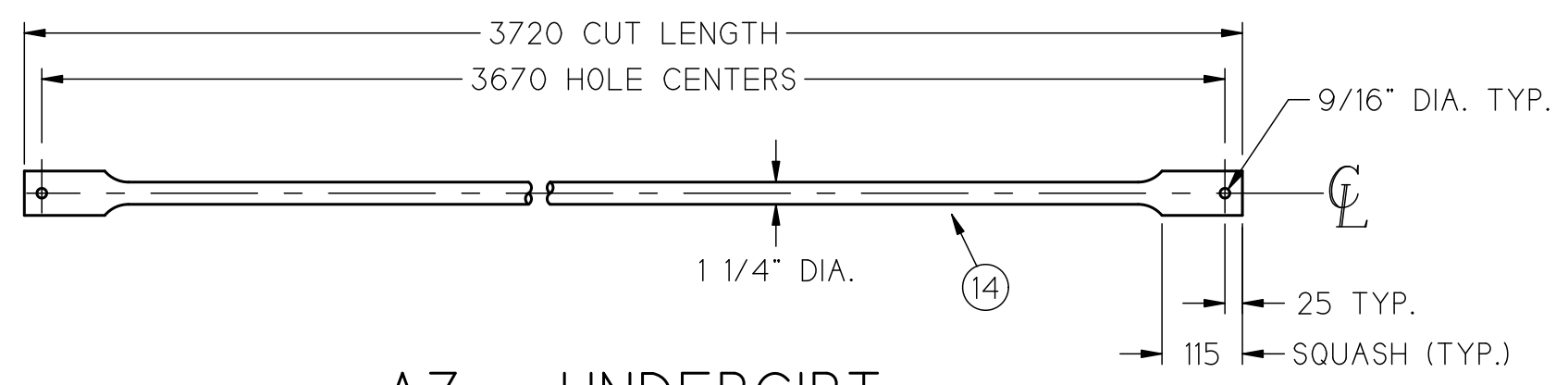
DETAIL "A"
WELDING DETAILS
5x SCALE



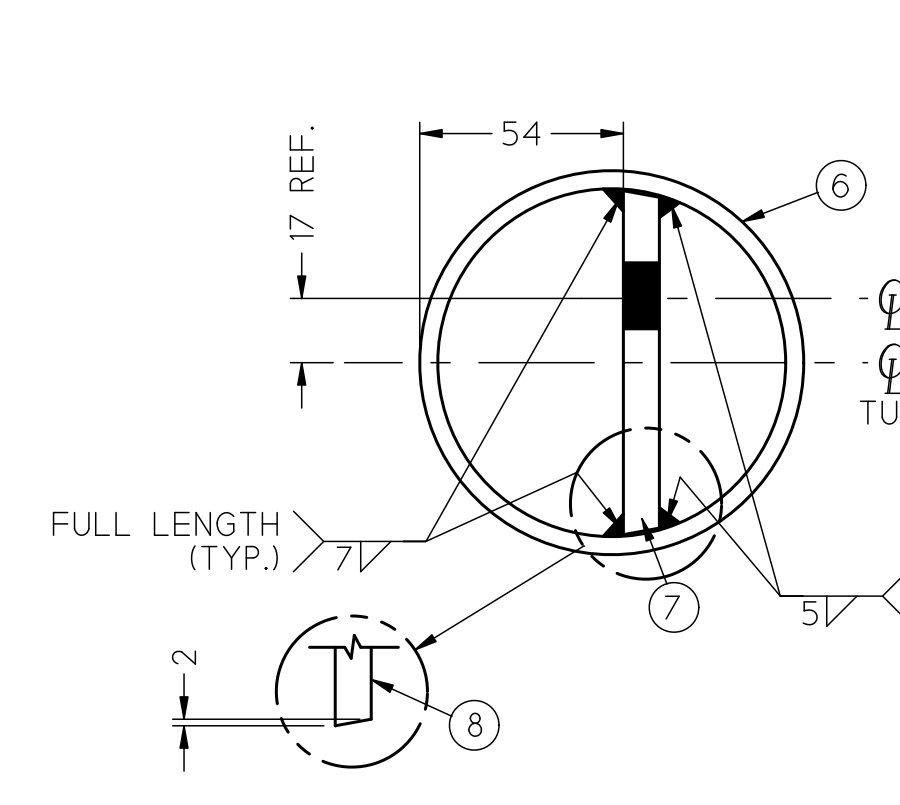
DETAIL "B"
WELDING DETAILS
5x SCALE



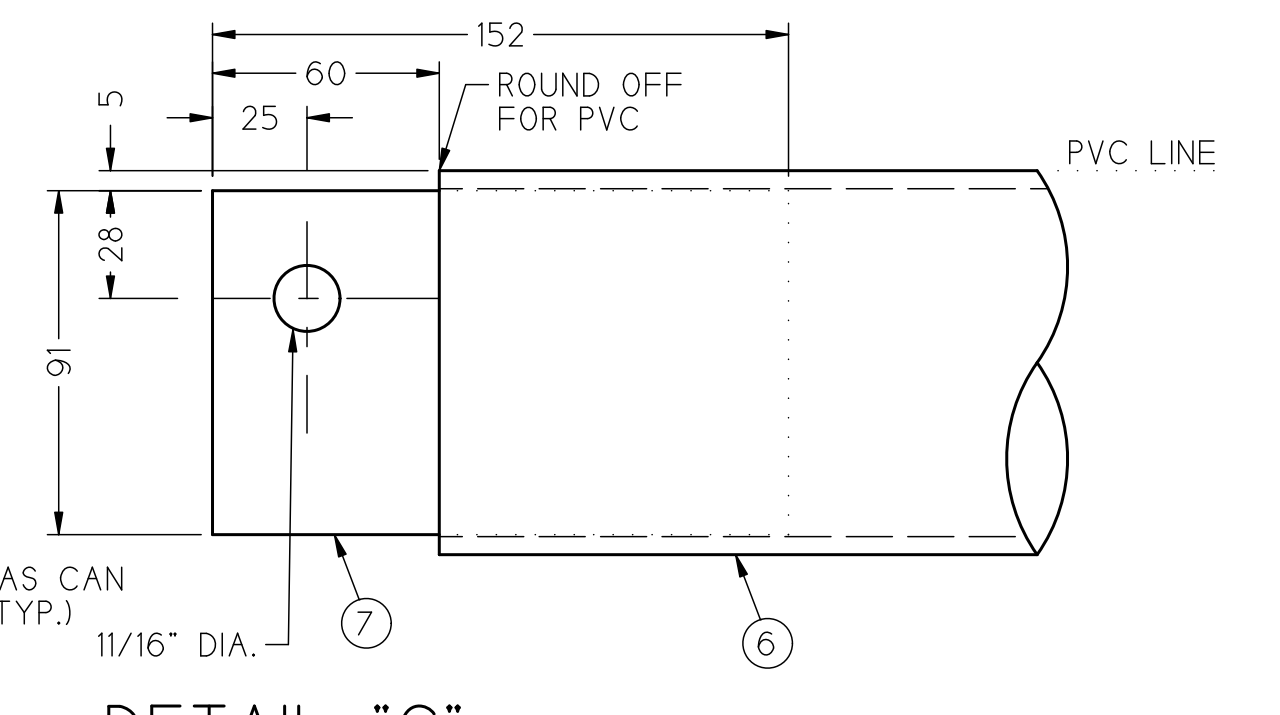
A2 - LEG BEND AXIAL TUBE



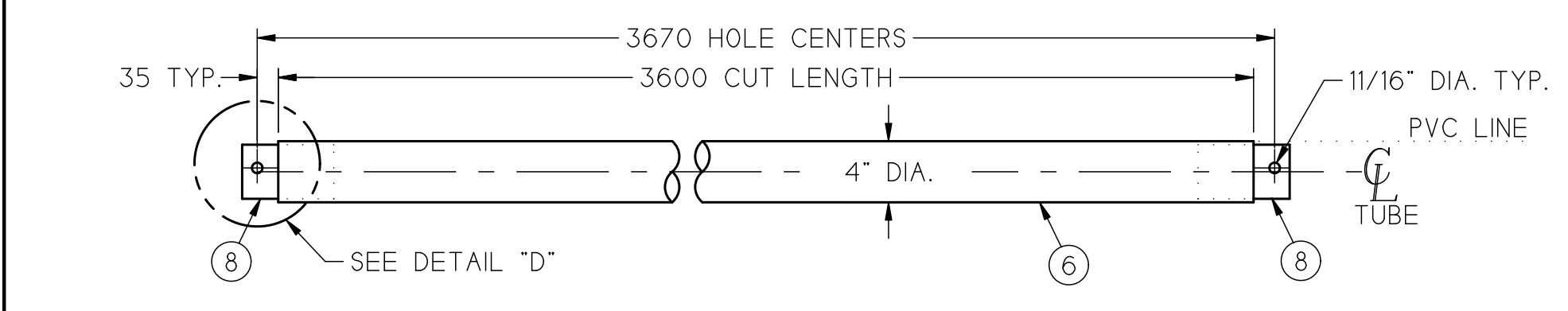
A7 - UNDERGIRT



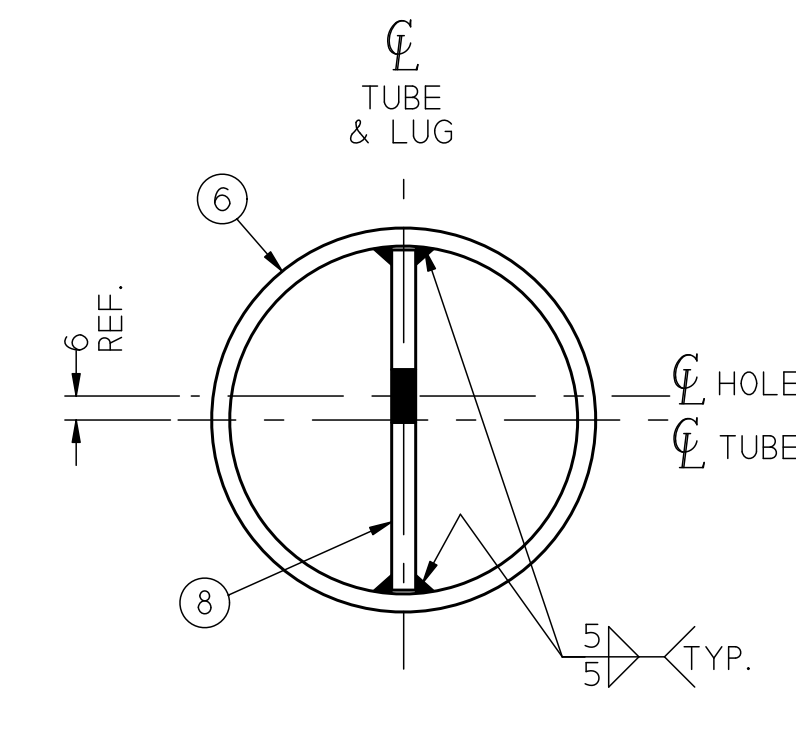
BEVEL DETAIL
5x SCALE



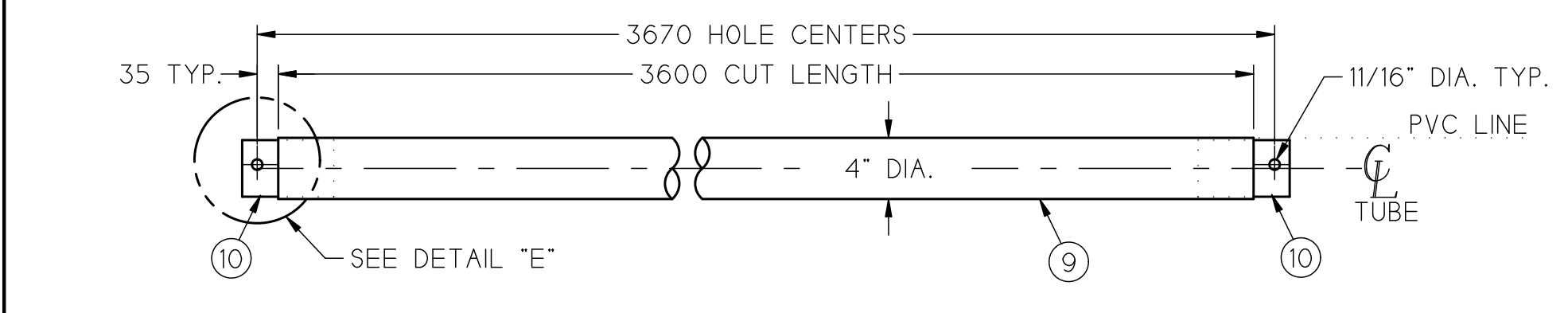
DETAIL "C"
WELDING DETAILS
5x SCALE



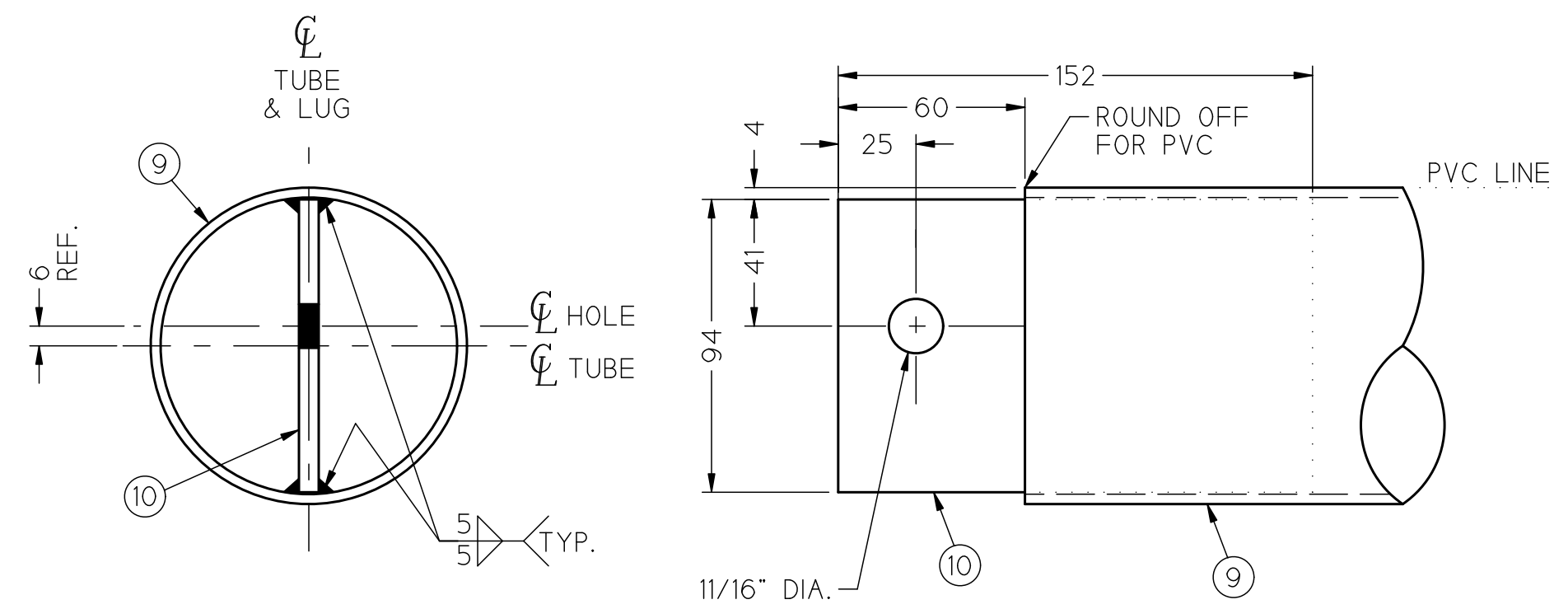
A3 - PEAK AXIAL TUBE



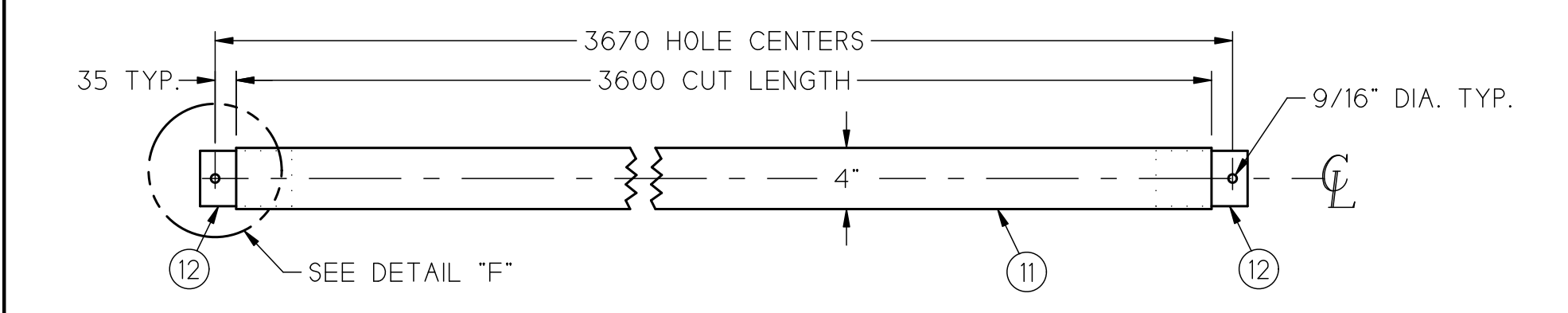
DETAIL "D"
WELDING DETAILS
5x SCALE



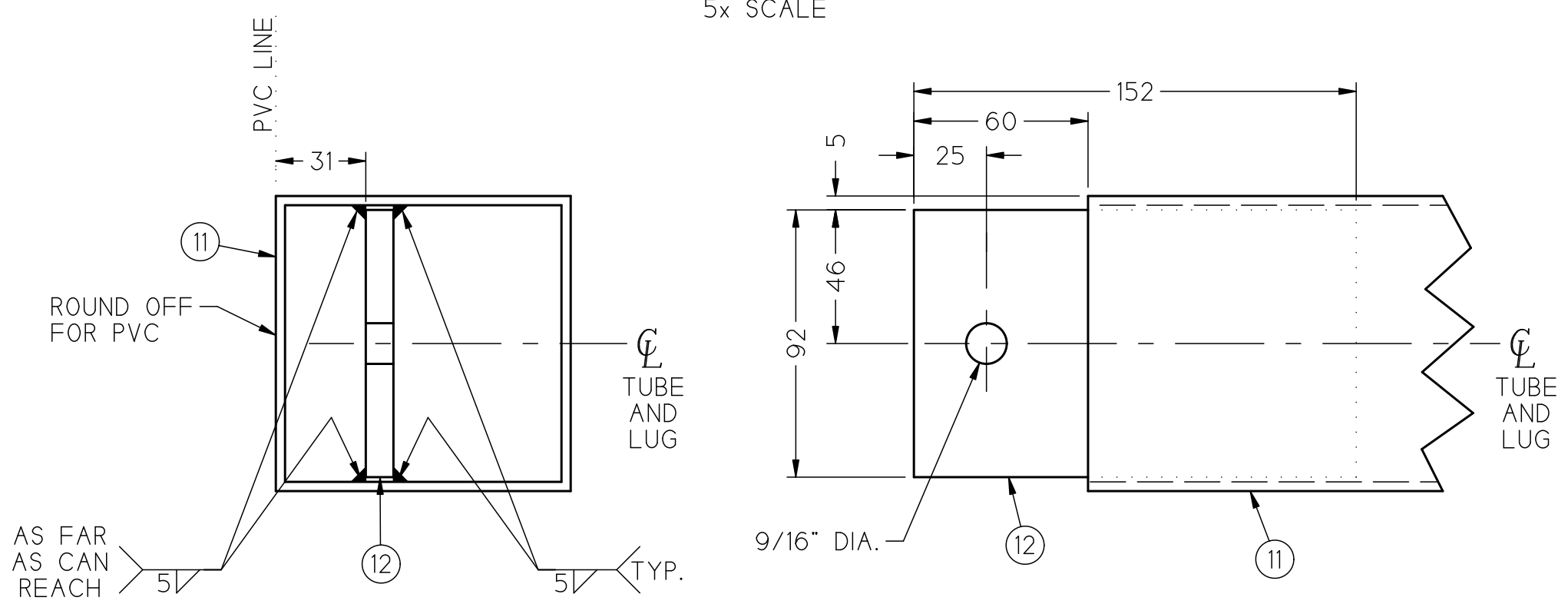
A4 - AXIAL TUBE



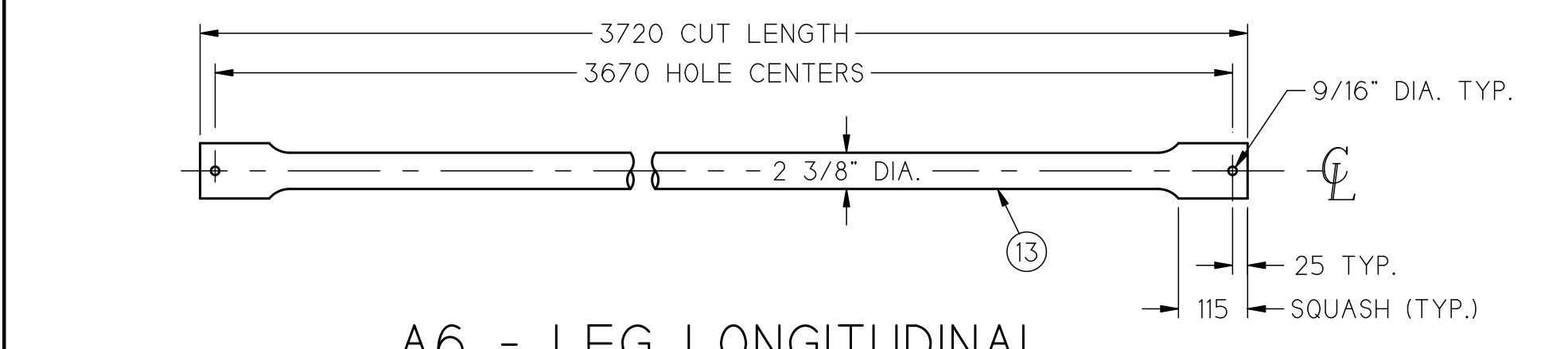
DETAIL "E"
WELDING DETAILS
5x SCALE



A5 - ROOF LONGITUDINAL
ALSO USED AS ROOF OUTER NODE RESTRAINT TUBE



DETAIL "F"
WELDING DETAILS
5x SCALE



A6 - LEG LONGITUDINAL
ALSO USED AS LEG/ROOF NODE RESTRAINT TUBE

- NOTES:
1.) BREAK SHARP CORNERS FOR PVC.
2.) SEE DRAWING 11006 FOR GENERAL WELD NOTES.
3.) BILL OF MATERIAL DOES NOT REFLECT QUANTITY.
4.) SEE PURLINE PROFILE FOR LOCATION.
5.) VENT ALL TUBES AS REQUIRED FOR GALVANIZING.
6.) SEE LUG SCHEMATIC FOR FLANGE LUGS.
7.) ALL DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.

ITEM	QTY.	DESCRIPTION	SPEC.	F _y MIN.
1		HSS 3 1/2" DIA. x 0.125" x 3600	A500	50 ksi
2		HSS 3" DIA. x 0.125" x 3600	A500	50 ksi
3		HSS 1 1/4" DIA. x 0.095" TO FIT	A500	50 ksi
4		FLAT 5" x 1/4" x 80	A572	50 ksi
5		FLAT 5" x 1/4" x 68	A572	50 ksi
6		HSS 4" DIA. x 0.188" x 3600	A500	50 ksi
7		FLAT 6" x 3/8" x 90	A572	50 ksi
8		FLAT 6" x 1/4" x 90	A572	50 ksi
9		HSS 4" DIA. x 0.125" x 3600	A500	50 ksi
10		FLAT 5" x 1/4" x 94	A572	50 ksi
11		HSS 4" x 4" x 1/8" x 3600	A500	50 ksi
12		FLAT 6" x 3/8" x 92	A572	50 ksi
13		HSS 2 3/8" DIA. x 0.125" x 3720	A500	50 ksi
14		HSS 1 1/4" DIA. x 0.095" x 3720	A500	50 ksi

REV.	DESCRIPTION	DRAWN	APP.	DATE
1	9.14m BVE / 4m LEG AXIAL STEEL			

We Cover The World
RUBB
BUILDING SYSTEMS

SCALE: 1 : 10

JOB #: 18110

JOB NAME: CITY OF PORTLAND

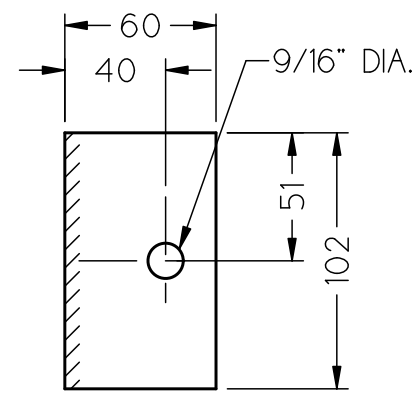
RUBB, INC. SANFORD MAINE 04073
TEL: 207-324-2877 FAX 207-324-2347

DRAWING NO. 59018

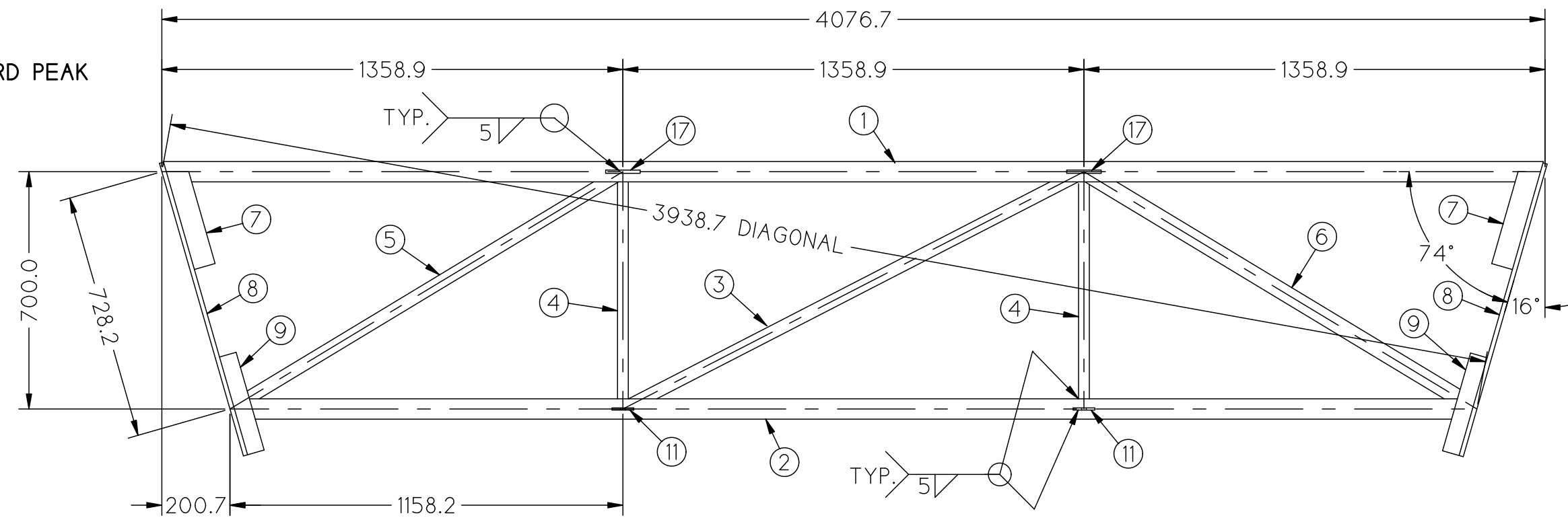


Reviewed for Code Compliance
Permitting and Inspections Department
Approved with Conditions

02/11/2019

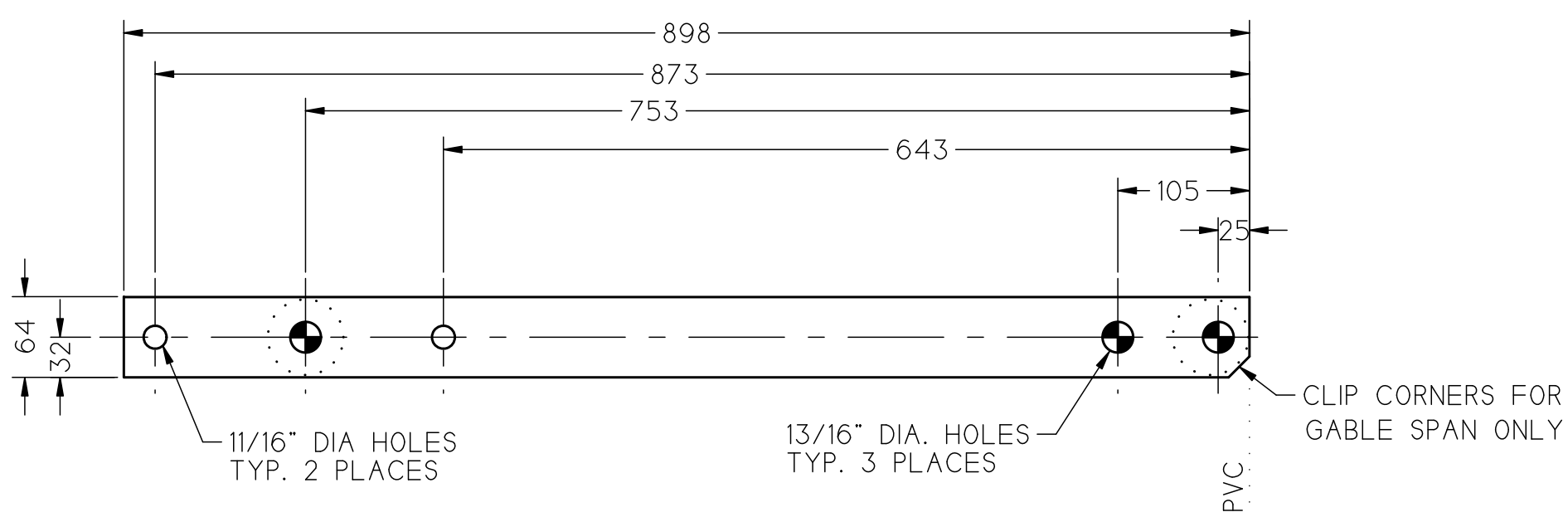


ITEM 17
5x SCALE

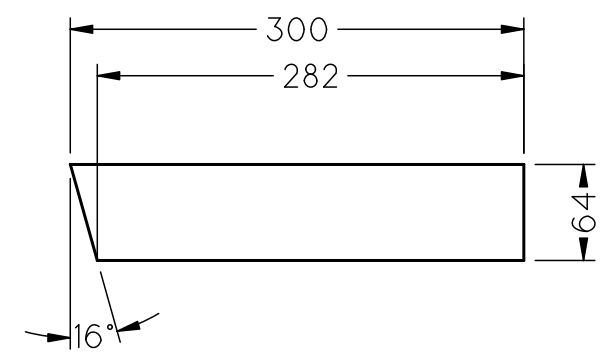


ROOF TRUSS

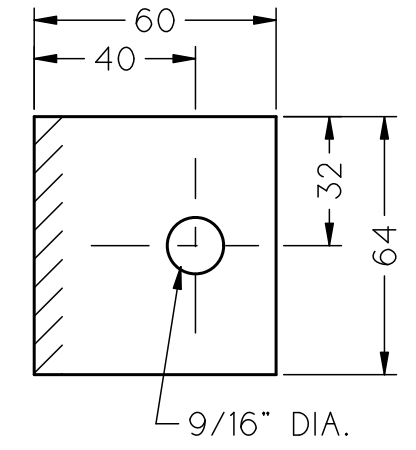
MID SPAN SHOWN. OMIT LUGS ON ONE SIDE FOR GABLE SPANS.
SEE LUG SCHEMATIC FOR ADDITIONAL FLANGE LUGS.



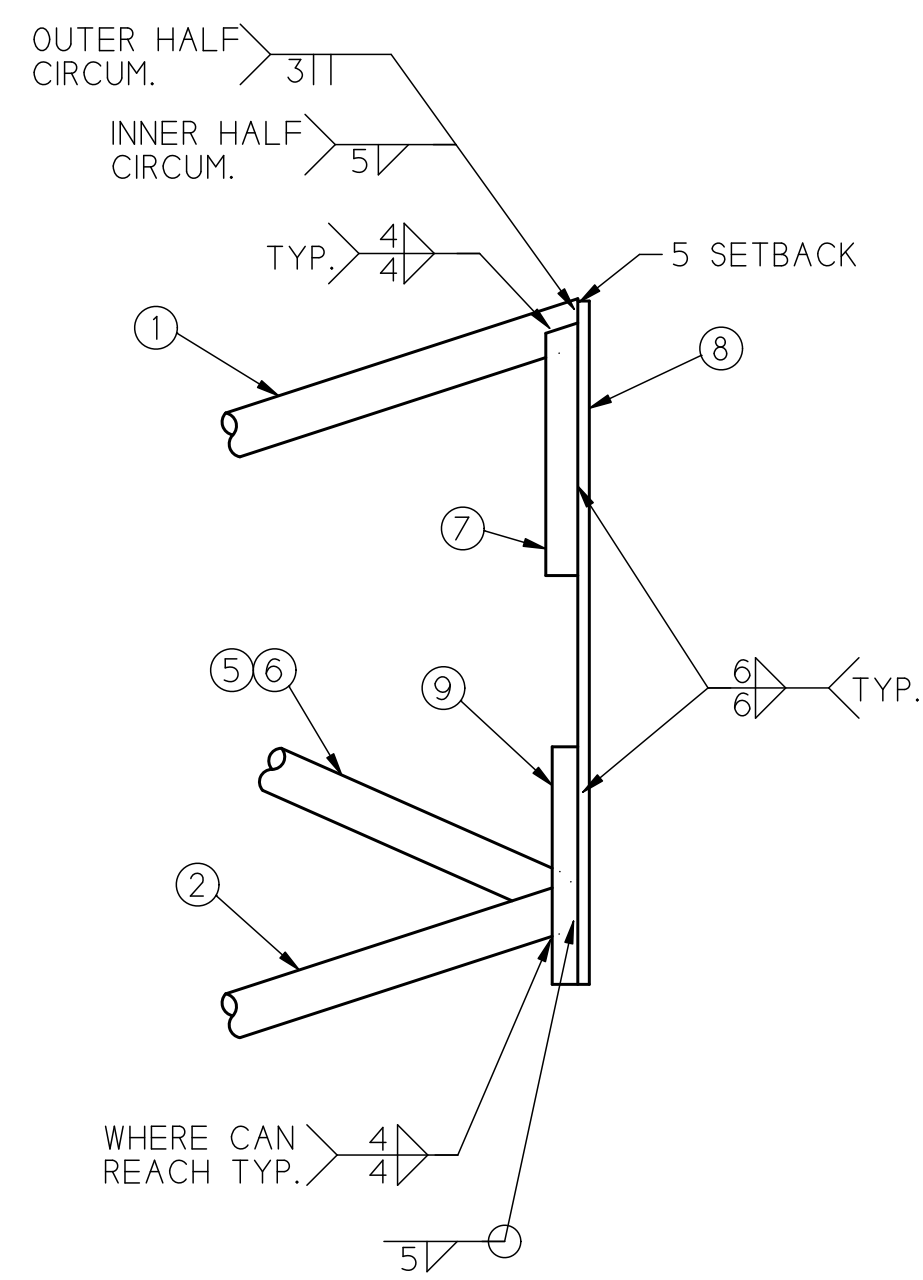
DETAIL ITEM 8
3x SCALE



DETAIL ITEM 7
3x SCALE



DETAIL ITEM 11
8x SCALE



FLANGE & STIFFENER
WELD DETAILS

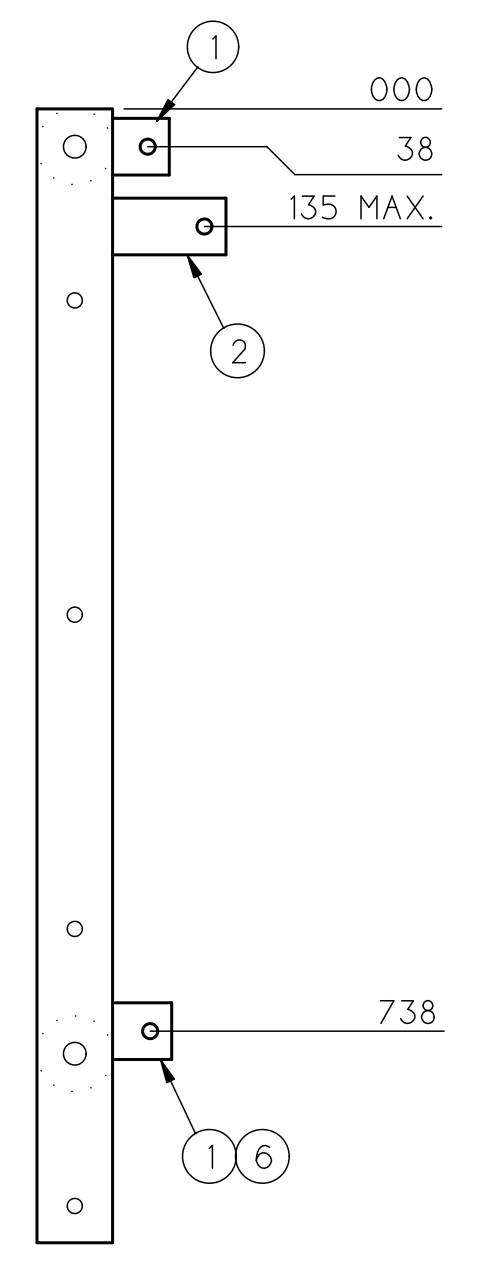
ISSUED FOR PRODUCTION	
Job Number:	18110
Job Name:	City of Portland
Date:	12/12/2018

ITEM	QTY.	DESCRIPTION	SPEC.
1	1	HSS 2 3/8" DIA. x .125"	A500
2	1	HSS 2 3/8" DIA. x .154"	A500
3	1	HSS 1 1/2" DIA. x .095"	A500
4	2	HSS 1 1/4" DIA. x .095"	A500
5	1	HSS 1 1/2" DIA. x .095"	A500
6	1	HSS 1.9" DIA. x .109"	A500
7	4	FLAT 2 1/2" x 1/4" x 300	A572
8	2	FLAT 2 1/2" x 1/2" x 898	A572
9	4	FLAT 2" x 1/4" x 300	A572
-	-	-	-
11	2/4	FLAT 2 1/2" x 1/4" x 60	A572
-	-	-	-
17	2/4	FLAT 4" x 3/8" x 60	A572

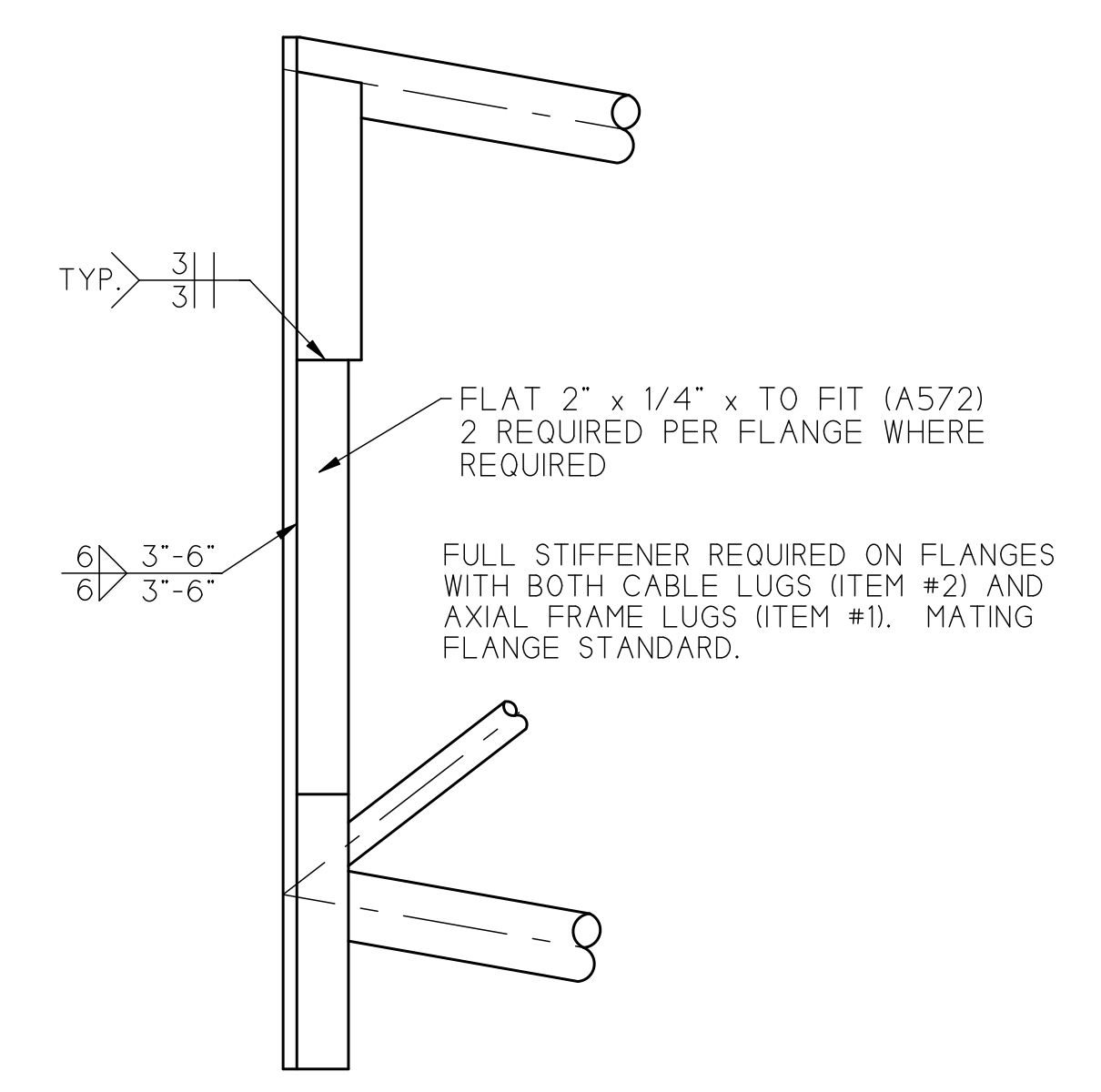
- NOTES:
- 1.) BREAK SHARP CORNERS FOR PVC.
 - 2.) SEE DRAWING 11006 FOR GENERAL WELD NOTES.
 - 3.) BILL OF MATERIAL IS FOR ONE ASSEMBLY.
 - 4.) SEE STEEL LAYOUT FOR LOCATION.
 - 5.) VENT ALL TUBES FOR GALVANIZING.
 - 6.) ALL A500 MATERIAL TO BE Fy=50 KSI.
 - 7.) SEE LUG SCHEMATIC FOR FLANGE LUGS.
 - 8.) ALL DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.

REV.	DESCRIPTION	DRAWN	APP.	DATE
We Cover The World BUILDING SYSTEMS		TITLE 9.14m BVE / 4m LEG ROOF TRUSS 2 3/8" DIA. - 700 TRUSS DEPTH		
DRAWN	RH 12-7-18	SCALE	1 : 15	
APP.	MAG 12-12-18	JOB #	18110	
DATE		JOB NAME	CITY OF PORTLAND	
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347		DRAWING NO.	59016	

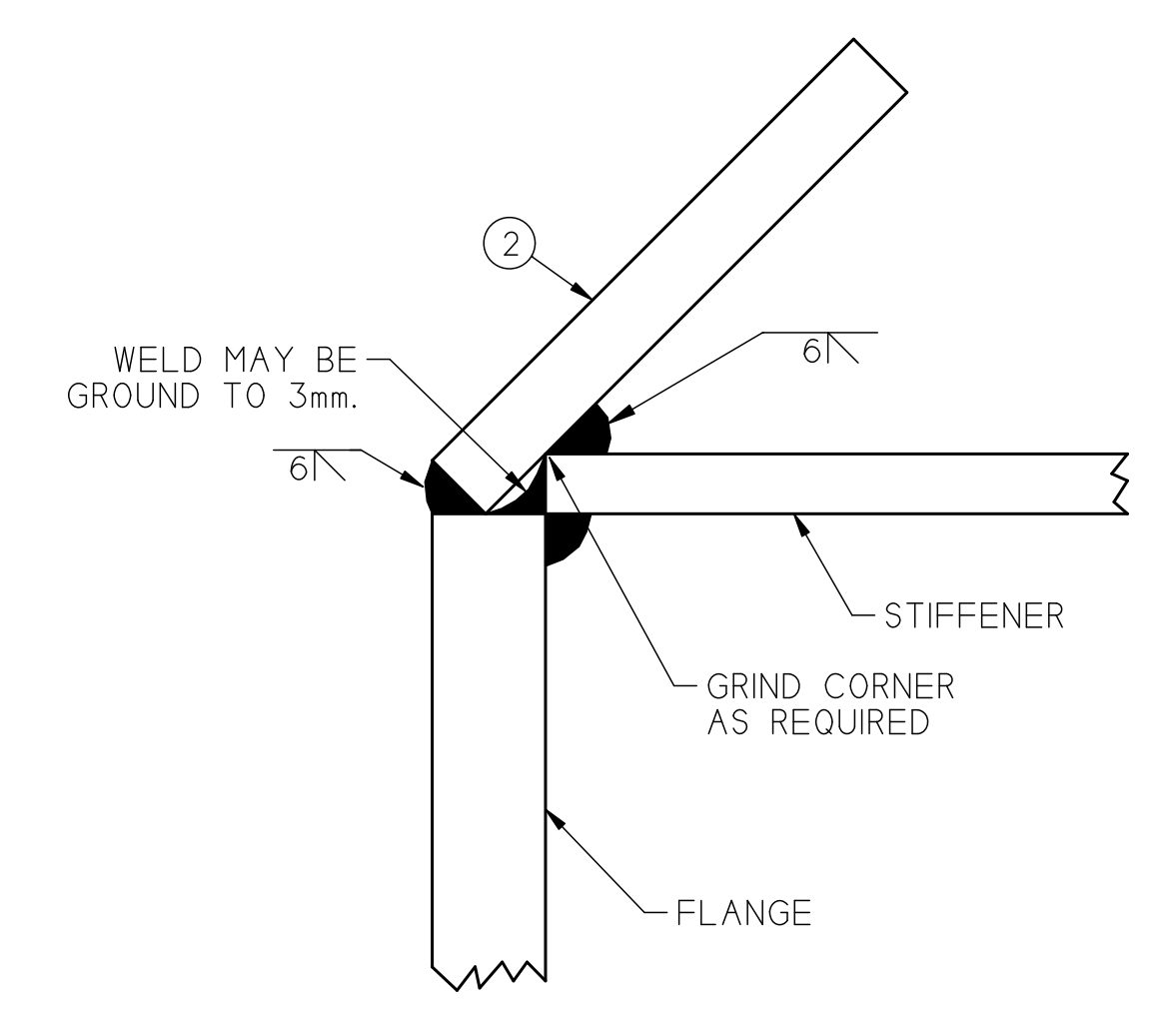
This drawing is the property of Rubb, Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of Rubb, Inc.



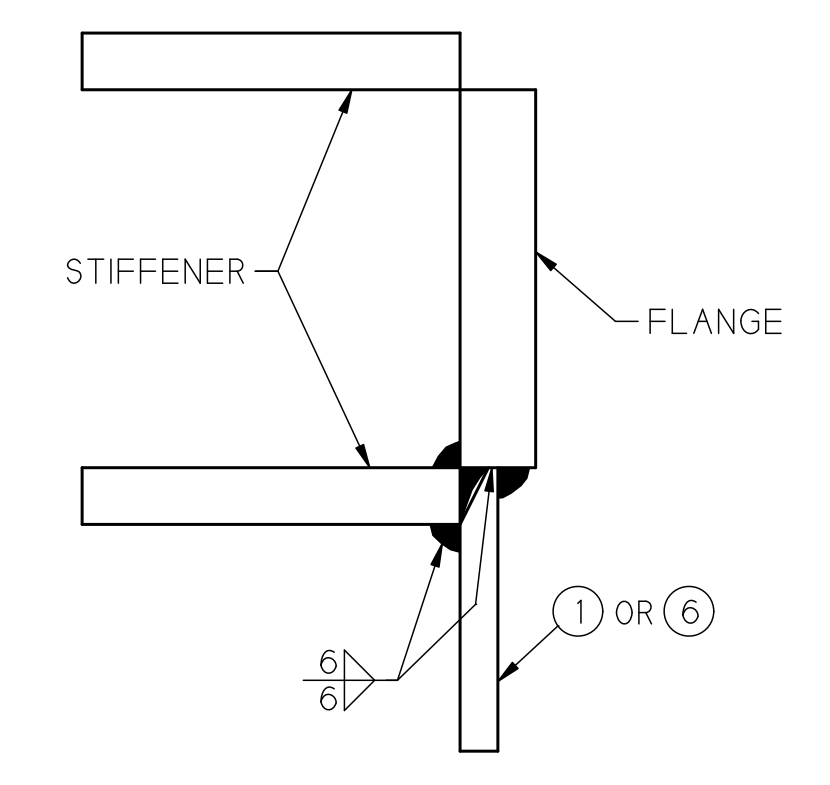
FLANGE LUGS
NOT TO SCALE



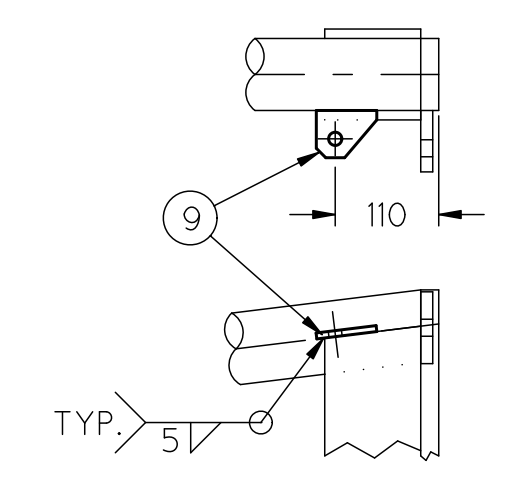
FLANGE STIFFENER
NOT TO SCALE



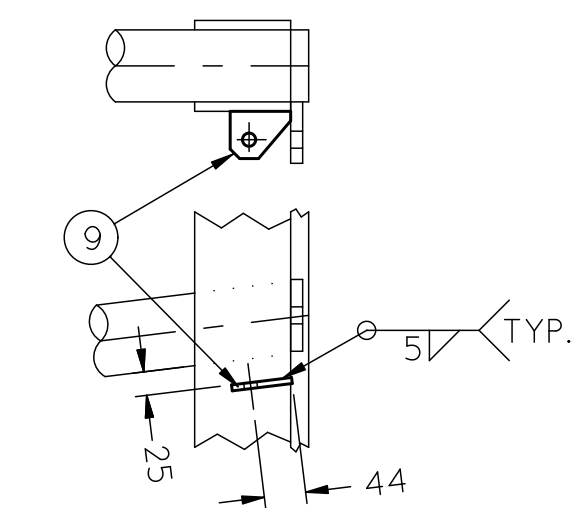
FLANGE CABLE LUG
SEE LAYOUT FOR ANGLES (NOT TO SCALE)



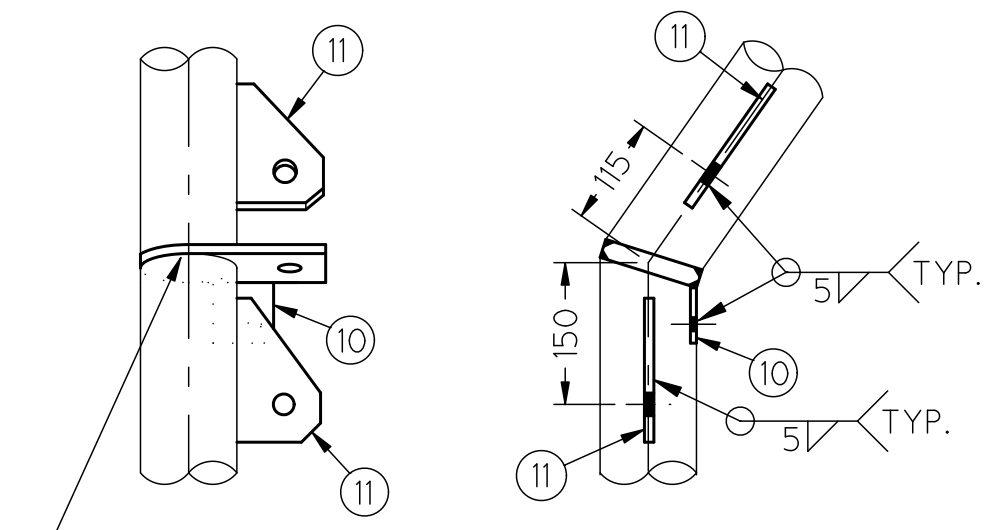
FLANGE LUG WELDING DETAIL
(NOT TO SCALE)



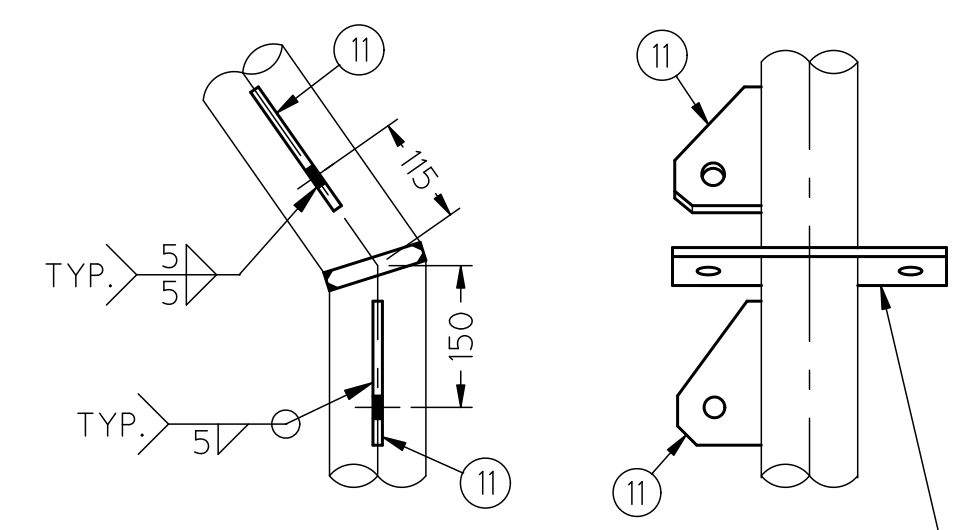
FLANGE TOP
POSITION OF LUG #9
1/4x SCALE



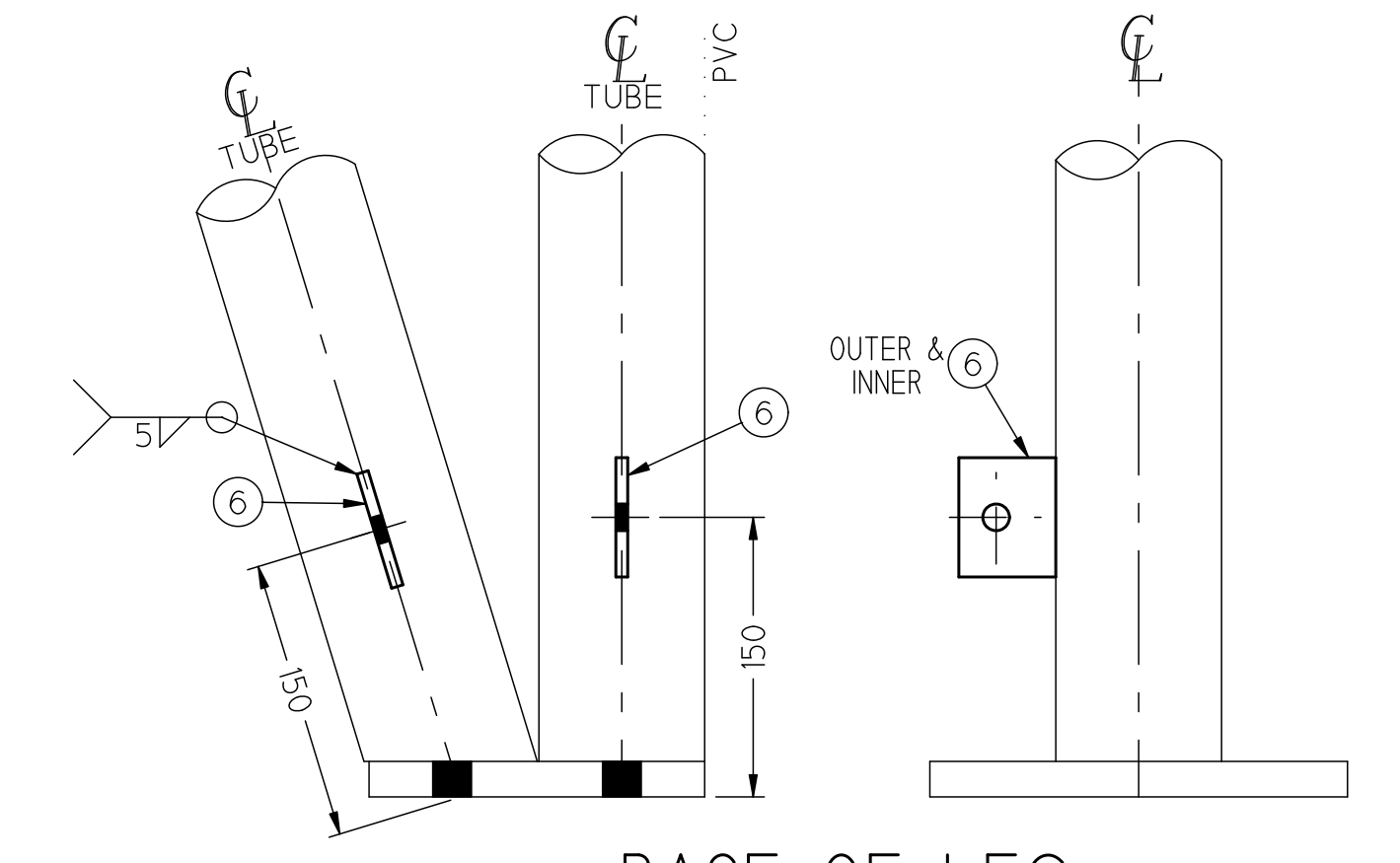
FLANGE BOTTOM
POSITION OF LUG #9
1/4x SCALE



LEG BEND - GABLE
POSITION OF LUG
1/4x SCALE



LEG BEND - T1, T4, T5 & T6
POSITION OF LUG
1/4x SCALE

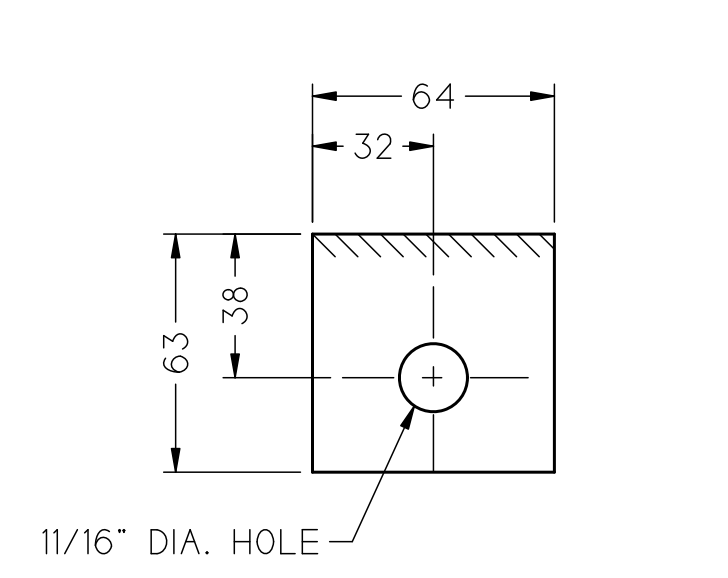


BASE OF LEG
POSITION OF LUG #6
1/2x SCALE
ASSEMBLY M4 SHOWN
ASSEMBLY M3 & T5 SIMILAR

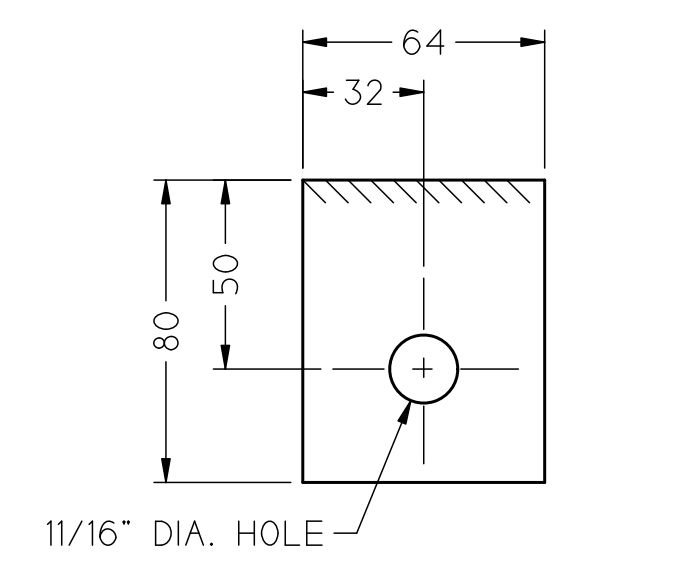
ISSUED FOR PRODUCTION
 Job Number: 18110
 Job Name: City of Portland
 Date: 12/12/2018

- NOTES:
 1.) SEE DRAWING #59016 FOR ROOF TRUSS DETAILS.
 2.) SEE DRAWING #59015 FOR LEG TRUSS DETAILS.
 3.) SEE DRAWING 11006 FOR GENERAL WELDING NOTES.
 4.) BREAK SHARP CORNERS FOR PVC.
 5.) BILL OF MATERIAL IS FOR TOTAL QUANTITY REQUIRED.
 6.) DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.
 7.) ALL A572 MATERIAL TO BE 50 ksi MINIMUM.

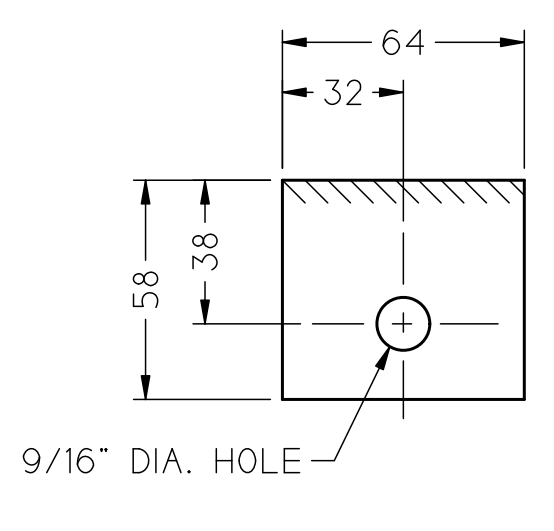
ITEM	QTY.	LOCATION	DESCRIPTION	SPEC.
1	72	FLANGE TOP & BOTTOM	FLAT 2 1/2" x 1/4" x 63	A572
2	24	FLANGE TOP UNLESS NOTED	FLAT 2 1/2" x 3/8" x 80	A572
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	60	FLANGE BOTTOM & BASE OF LEG	FLAT 2 1/2" x 1/4" x 58	A572
7	-	-	-	-
8	-	-	-	-
9	20	TUBE TOP & BOT. UNLESS NOTED	FLAT 2 1/2" x 1/4" x 50	A572
10	4	LEG BEND	FLAT 2 1/2" x 1/4" x 64	A572
11	16	LEG BEND	FLAT 3" x 3/8" x 102	A572



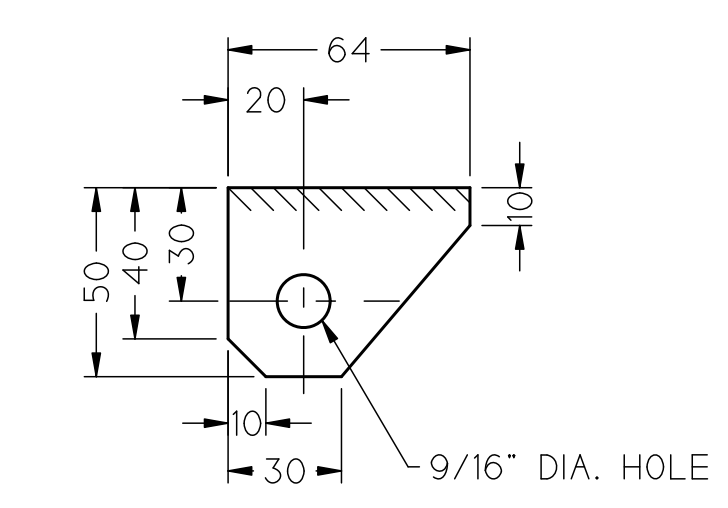
DETAIL ITEM #1
AXIAL FRAMES & TUBES (FLANGE)
1/4" THICK



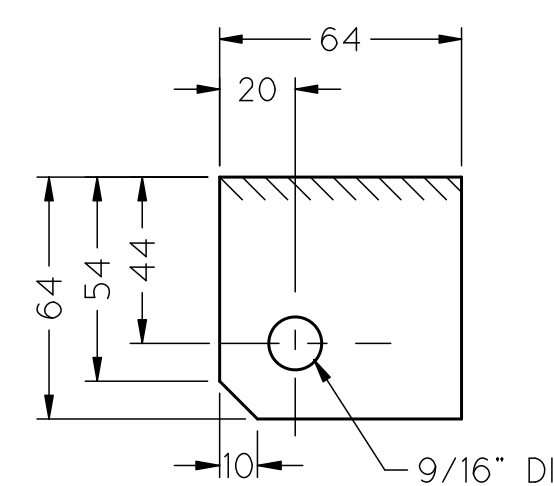
DETAIL ITEM #2
CABLE LUG (FLANGE)
3/8" THICK



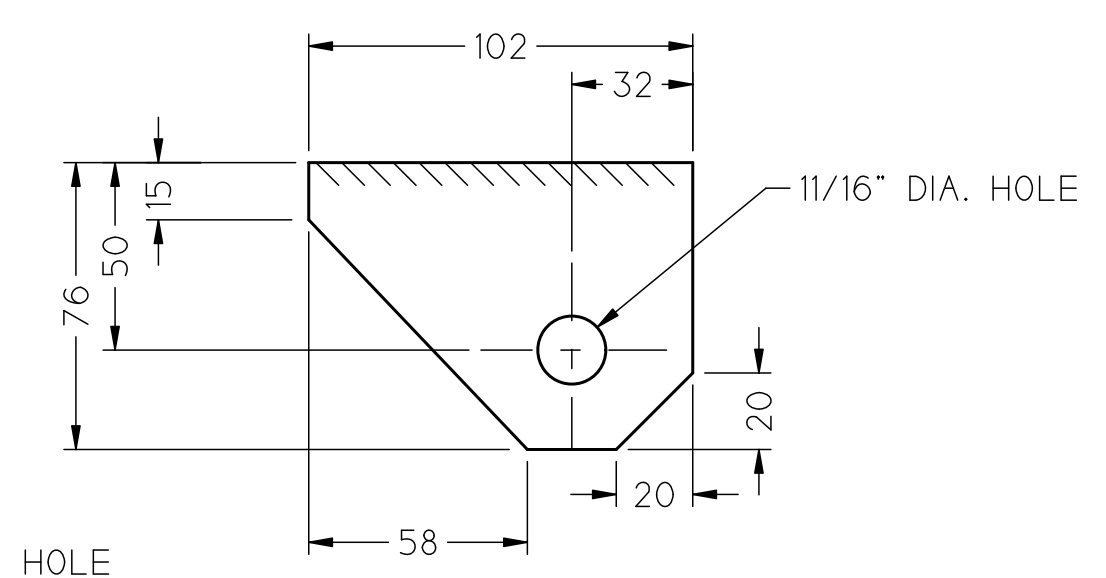
DETAIL ITEM #6
FLANGE UNDERGIRT
1/4" THICK



DETAIL ITEM #9
NODE RESTRAINT
1/4" THICK



DETAIL ITEM #10
NODE RESTRAINT
1/4" THICK



DETAIL ITEM #11
CABLE LUG (LEG BEND)
3/8" THICK

REV.	DESCRIPTION	DRAWN	APP.	DATE

We Cover The World
RUBB
 BUILDING SYSTEMS

9.14m BVE / 4m LEG
 LUG SCHEMATIC DETAILS

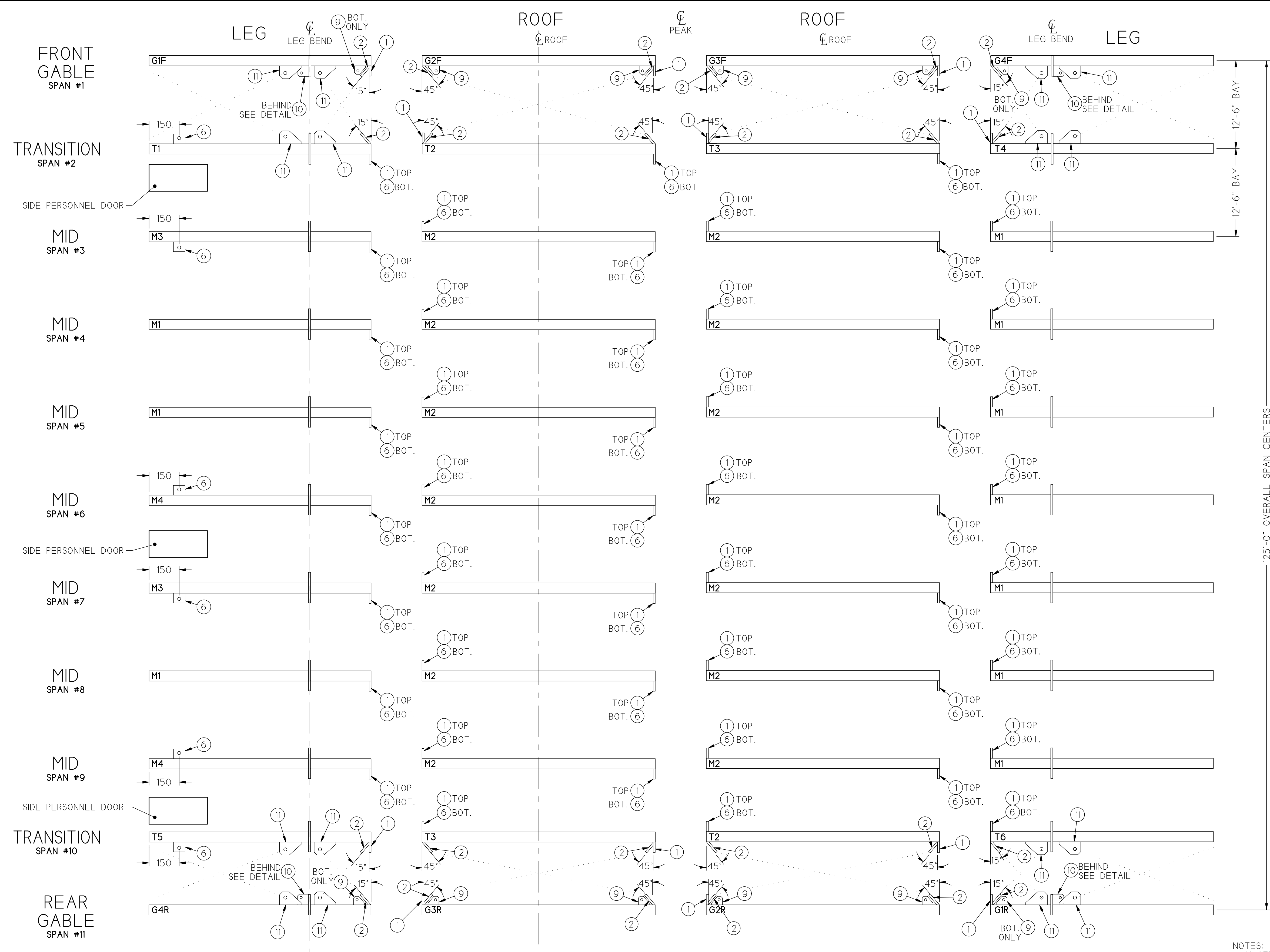
SCALE: 1 : 2

Job #: 18110

CITY OF PORTLAND

RUBB, INC. SANFORD MAINE 04073
 TEL: 207-324-2877 FAX 207-324-2347

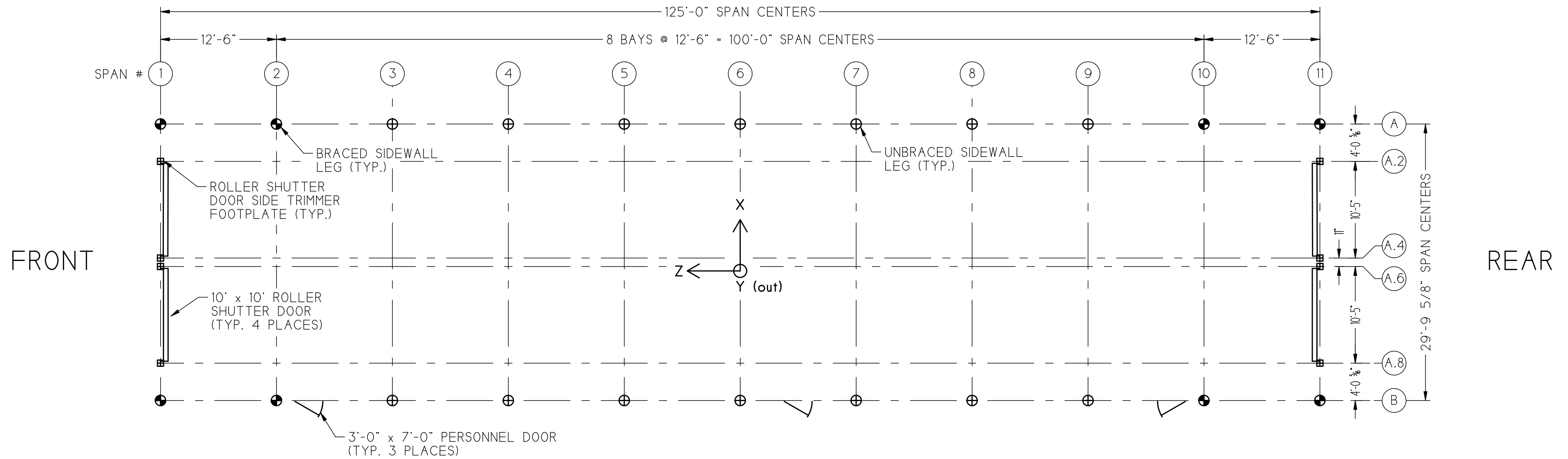
59014



- NOTES:
- 1.) SEE DRAWING #59016 FOR ROOF TRUSS DETAILS.
 - 2.) SEE DRAWING #59015 FOR LEG TRUSS DETAILS.
 - 3.) SEE DRAWING #11006 FOR GENERAL WELDING NOTES.
 - 4.) BREAK SHARP CORNERS FOR PVC.
 - 5.) DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.
 - 6.) WIND BRACING CABLES SHOWN REPRESENTATIVE ONLY. REFER TO ISOMETRIC FOR ACTUAL CABLE LOCATIONS AND NUMBERS.
 - 7.) BILL OF MATERIAL IS FOR TOTAL REQUIRED.

ASS'Y	QTY.	DESCRIPTION	DRAWING
G1F	1	FRONT GABLE LEG TRUSS	59015
G2F	1	FRONT GABLE ROOF TRUSS	59016
G3F	1	FRONT GABLE ROOF TRUSS	59016
G4F	1	FRONT GABLE LEG TRUSS	59015
T1	1	TRANSITION LEG TRUSS WITH NODE RESTRAINT LUGS	59015
T2	2	TRANSITION ROOF TRUSS	59016
T3	2	TRANSITION ROOF TRUSS	59016
T4	1	TRANSITION LEG TRUSS	59015
T5	1	TRANSITION LEG TRUSS WITH NODE RESTRAINT LUGS	59015
T6	1	TRANSITION LEG TRUSS	59015
M1	10	MID LEG TRUSS	59015
M2	14	MID ROOF TRUSS	59016
M3	2	MID LEG TRUSS WITH NODE RESTRAINT LUGS	59015
M4	2	MID LEG TRUSS WITH NODE RESTRAINT LUGS	59015
G1R	1	REAR GABLE LEG TRUSS	59015
G2R	1	REAR GABLE ROOF TRUSS	59016
G3R	1	REAR GABLE ROOF TRUSS	59016
G4R	1	REAR GABLE LEG TRUSS	59015

REV.	DESCRIPTION	DRAWN	APP.	DATE
<p>We Cover The World RUBB BUILDING SYSTEMS</p>				
<p>TITLE 9.14m BVE / 4m LEG STEEL LAYOUT & LUG SCHEMATIC</p>		<p>SCALE 1 : 2</p>		
<p>DATE MAG 12-12-18</p>		<p>JOB # 18110</p>		
<p>DATE CITY OF PORTLAND</p>		<p>JOB NAME CITY OF PORTLAND</p>		
<p>RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347</p>				<p>DRAWING NO. 59013</p>



PLAN VIEW

LOAD CASE NOMENCLATURE

- D = DEAD LOAD
- C = COLLATERAL LOAD
- SS = UNIFORM SNOW LOAD
- WLIS = WIND ON LEFT WITH INTERNAL SUCTION
- WLIP = WIND ON LEFT WITH INTERNAL PRESSURE
- GWIS = GABLE WIND WITH INTERNAL SUCTION
- GWIP = GABLE WIND WITH INTERNAL PRESSURE

LOADING

110 mph 3 SEC GUST WIND, EXPOSURE C, RISK CATEGORY I
60 psf GROUND SNOW LOAD, $I_s = 0.8$, $C_t = 1.2$, $C_e = 0.9$
CODE: IBC 2015, ASCE 7-10
COLLATERAL LOAD 1 psf

NOTES

- 1.) F_x AND F_z CAN BE EITHER POSITIVE OR NEGATIVE.
- 2.) NEGATIVE F_y SIGNIFIES DOWNWARD FORCE.
- 3.) POSITIVE F_y SIGNIFIES UPLIFT FORCE.
- 4.) F_x AND F_z FORCES ARE POINT LOADS AT SPAN OR COLUMN LOCATIONS INDICATED.
- 5.) POSITIVE F_y IS DISTRIBUTED ALONG BAY LENGTH. NEGATIVE F_y IS POINT LOAD AT SPAN OR COLUMN LOCATIONS INDICATED.
- 6.) LOAD CASES LISTED ARE THE CONTROLLING LOAD CASES.
- 7.) LOAD CASES ARE ALLOWABLE STRESS DESIGN.

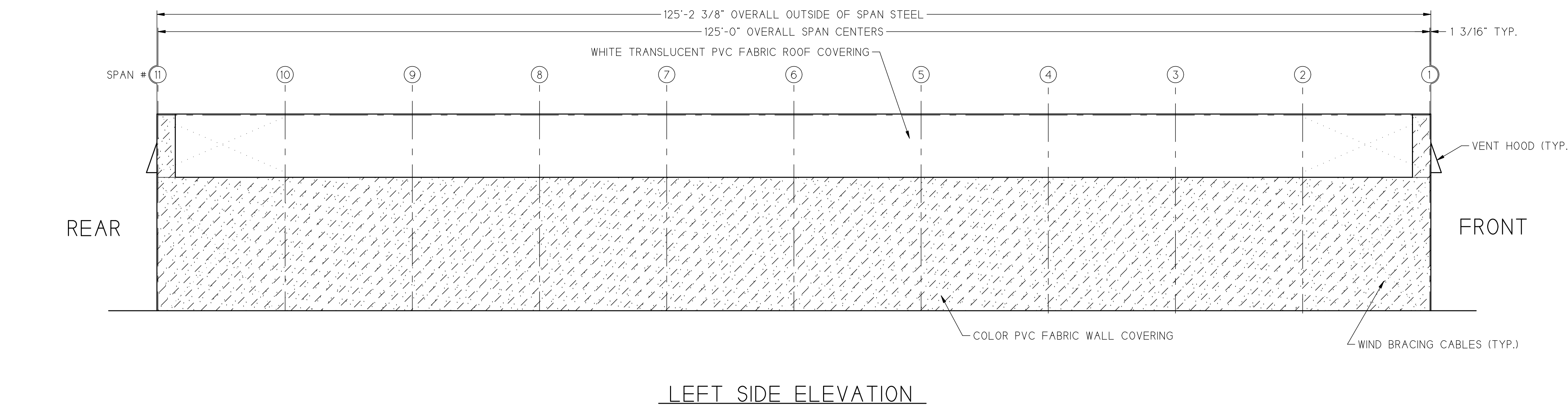
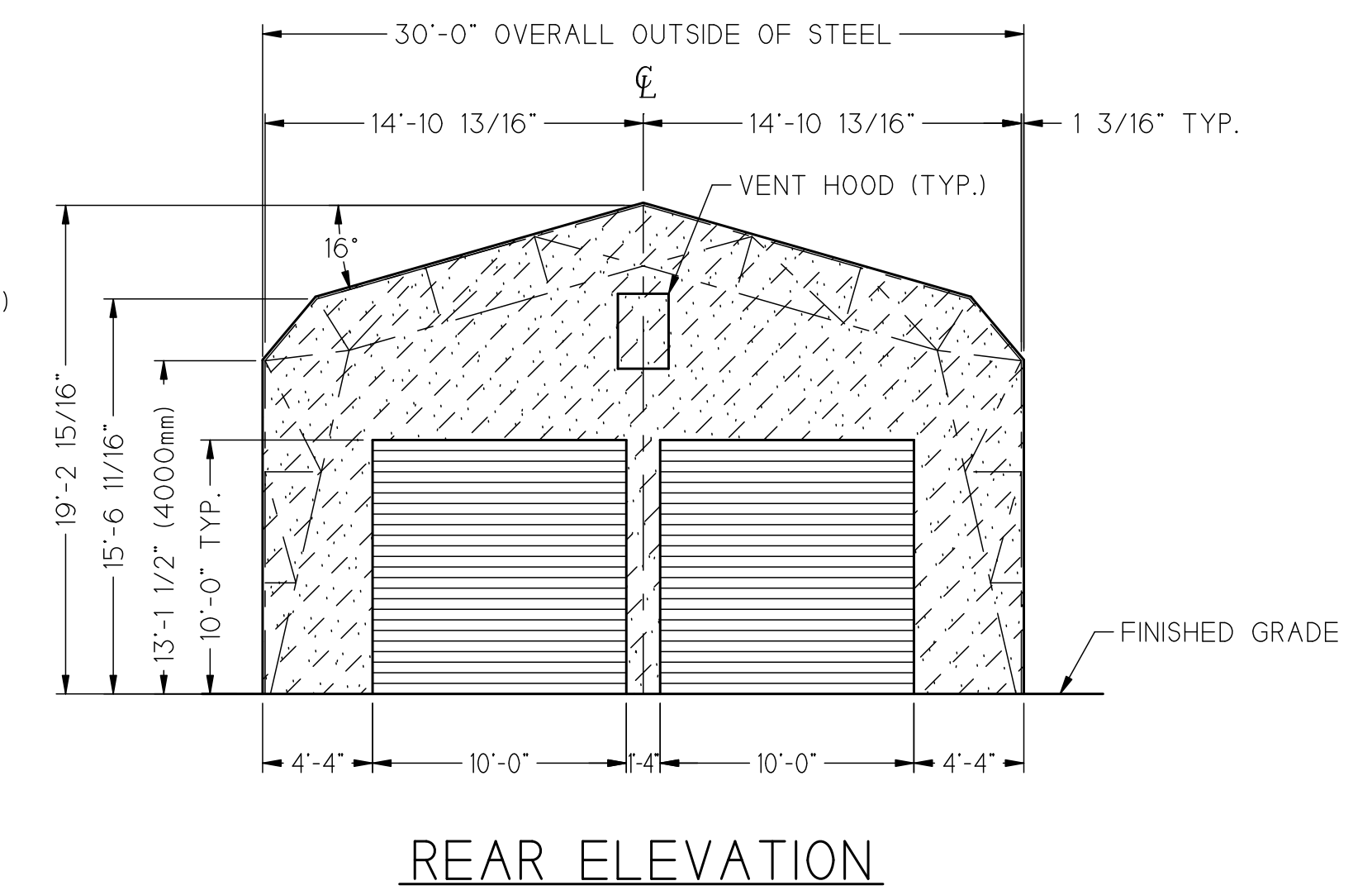
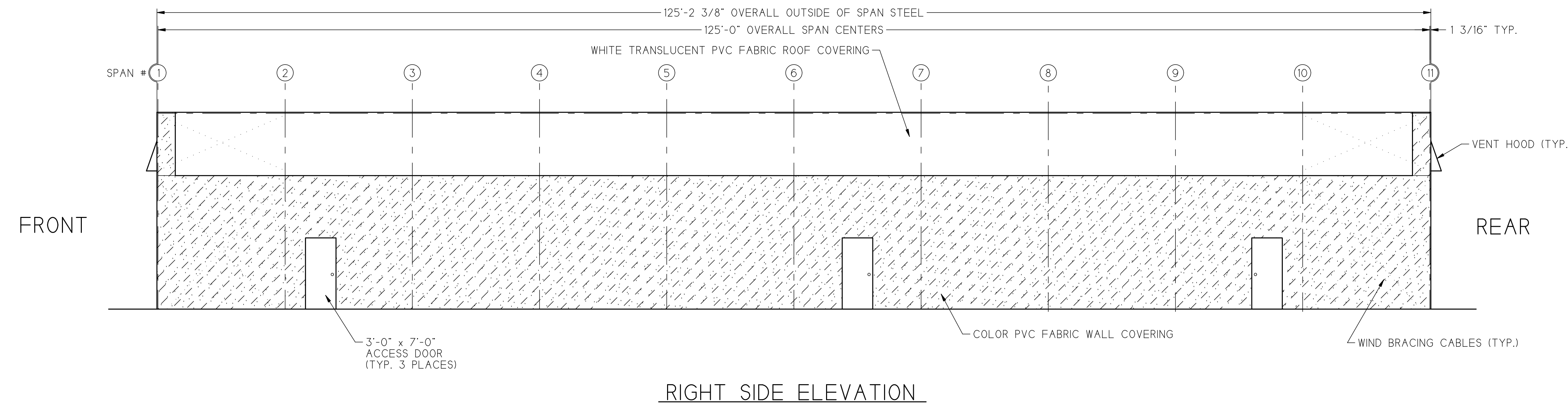
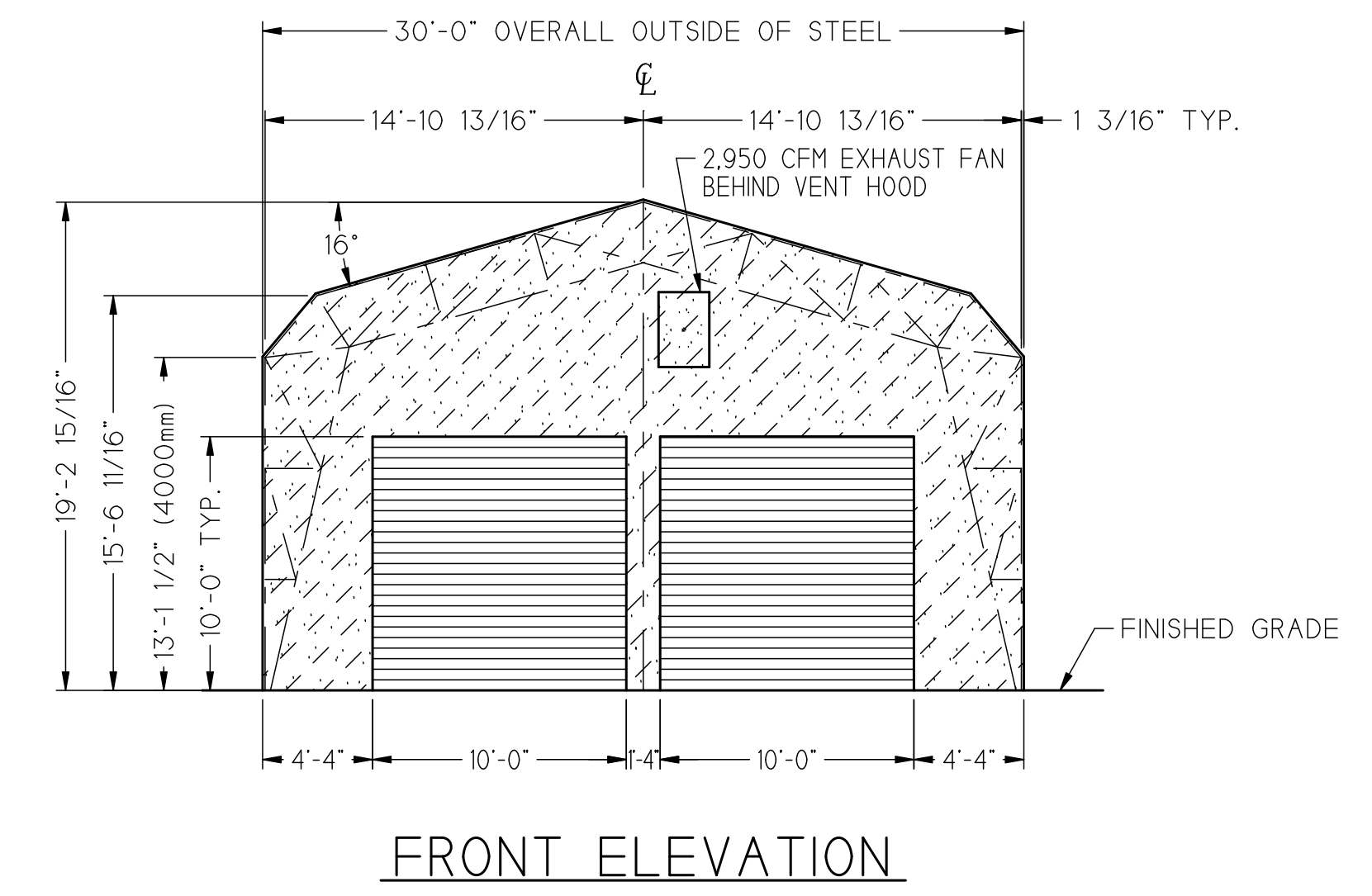
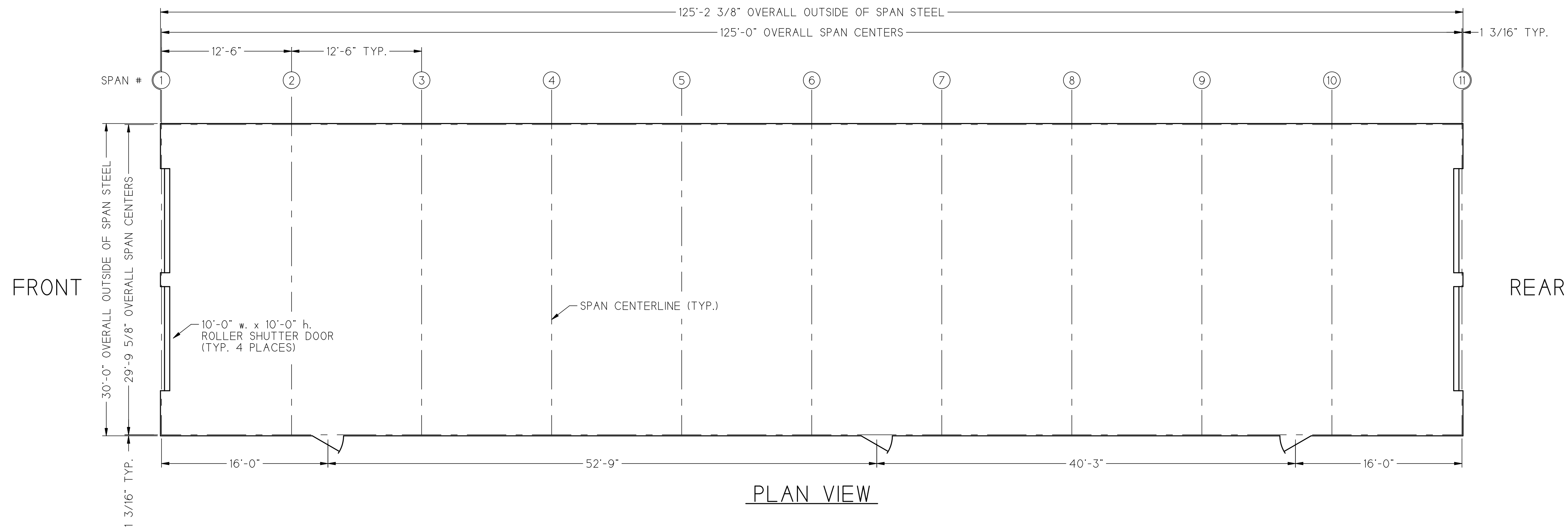
LEGEND

- SPAN BRACED SIDEWALL LEG
- GABLE COLUMN
- GABLE DOOR TRIMMER

FOUNDATION FORCES (KIPS)						
LOCATION	LOAD CASE COMBINATIONS	F_{xL}	F_{yL}	F_{zL}	-	-
● & ⊕	D + C + SS	2.5	-7.0	0.5		
	.6D + .6WLIP	1.3	1.6	0.6		
	D + C + .6WLIS	1.6	-0.5	0.3		
●	.6D + .6GWIP	1.1	1.4	-		
	.6D + .6GWIP	0.4	2.3	1.9		
	D + C + .75(SS + .6GWIS)	2.4	-6.6	1.3		
⊕	.6D + .75(.6WLIP + .6GWIP)	1.2	1.6	1.6		
	D + C + .6GWIS	-	-1.3	0.6		

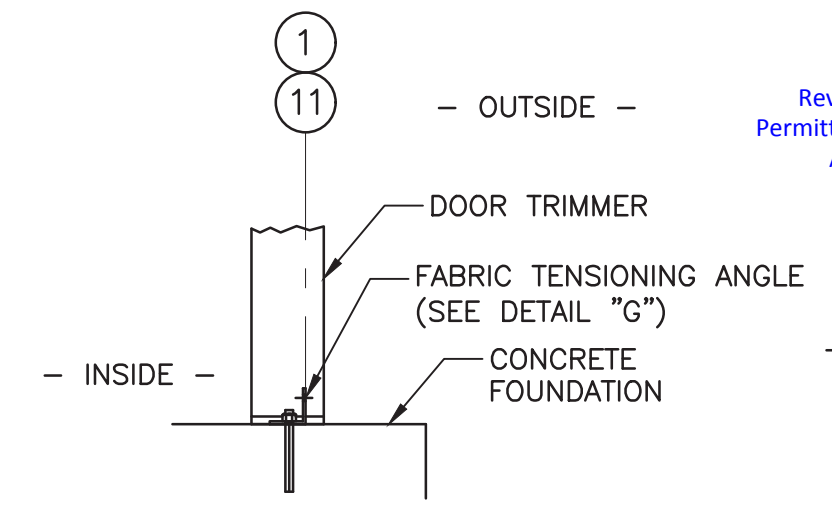
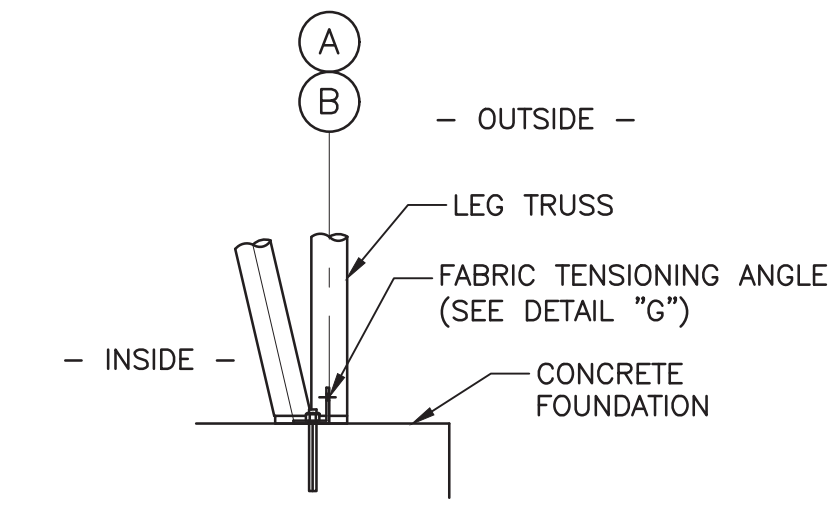
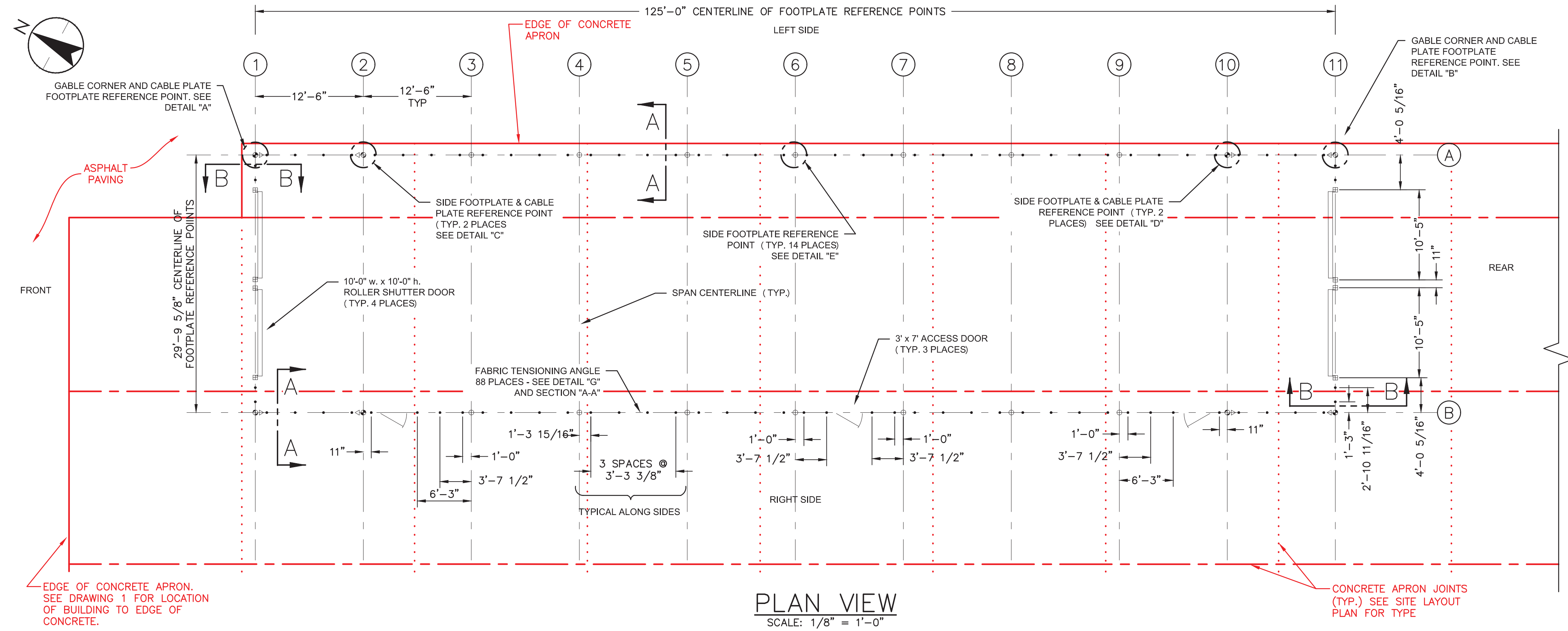
MAXIMUM PVC TENSIONING BASE ANGLE CLIP TENSION IS 1.2 KIPS.
PVC TENSIONING CLIP TENSIONS ARE INCLUDED IN THE ABOVE TABLE.

REV.	DESCRIPTION	DRAWN	APP.	DATE
A	REVISED LOADING	MAG	GES	1-09-19
		TITLE 9.14m BVE / 4m LEG FOUNDATION FORCES LAYOUT		
DRAWN	RH 12-12-18	SCALE	1 : 100	
APP.	MAG 01-09-19	JOB #	18110	
DATE		JOB NAME	CITY OF PORTLAND	
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347				DRAWING NO. 59005



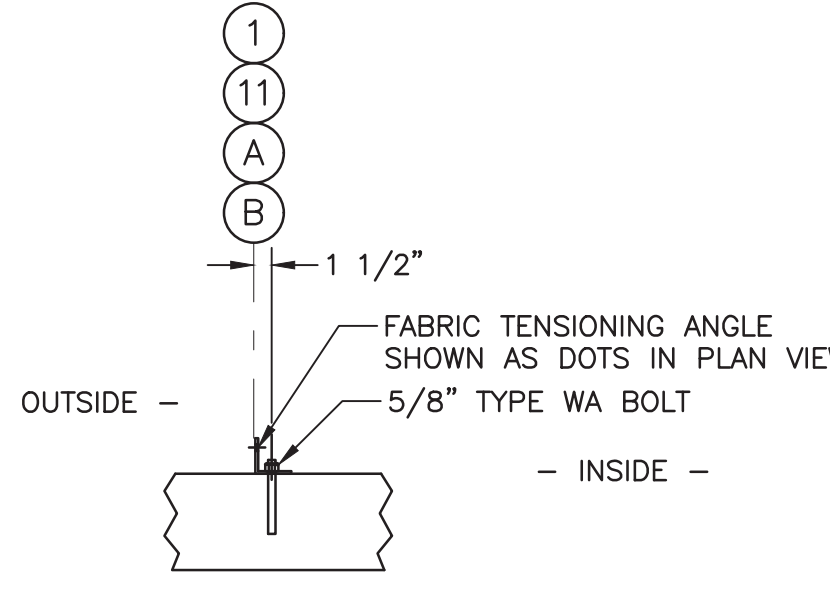
- NOTES:
- 1.) COVERING MATERIAL IS A PVC IMPREGNATED POLYESTER WEAVE FABRIC, SELF-EXTINGUISHING TO FEDERAL TEST STANDARD 191 METHOD 5903 AND COMPLIES WITH NFPA STANDARD 701, UBC 55-1 AND CALIFORNIA STATE FIRE MARSHALL'S OFFICE.
 - 2.) STRUCTURAL FRAMEWORK IS TUBULAR STEEL INTERCONNECTED WITH TUBULAR STEEL PURLINS. STEEL PLATE AND SHAPES ARE A572. STEEL TUBING IS A500.

A	REVISED SIDE ACCESS DOOR & R.S. DOOR LOCATIONS	RH		
REV.	DESCRIPTION	DRAWN	APP.	DATE
		TITLE 9.14m BVE / 4m LEG PLAN VIEW AND ELEVATIONS		
DRAWN	RH 12-7-18	SCALE	1 : 75	
APP.		JOB #	18110	
DATE		JOB NAME	CITY OF PORTLAND	
RUBB, INC. SANFORD MAINE 04073		DRAWING NO.		59003
TEL: 207-324-2877 FAX 207-324-2347				

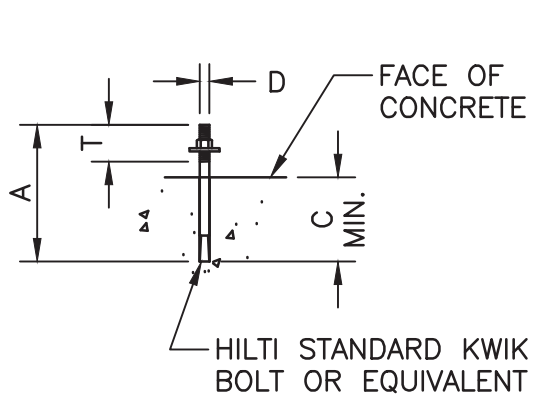


SECTION "A-A"
SCALE: 3/4"=1'-0"
TYP. FABRIC TENSIONING ANGLE CLIP
(SHOWN AS DOTS IN PLAN VIEW)

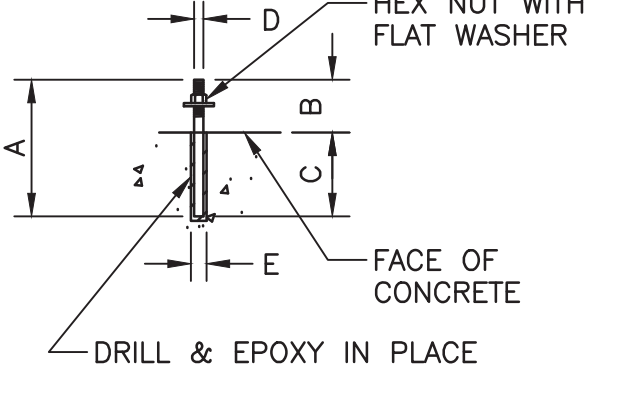
SECTION "B-B"
SCALE: 3/4"=1'-0"
TYP. FABRIC TENSIONING ANGLE CLIP
(SHOWN AS DOTS IN PLAN VIEW)



DETAIL "G"
SCALE: 3/4"=1'-0"
TYP. FABRIC TENSIONING ANGLE CLIP
(SHOWN AS DOTS IN PLAN VIEW)



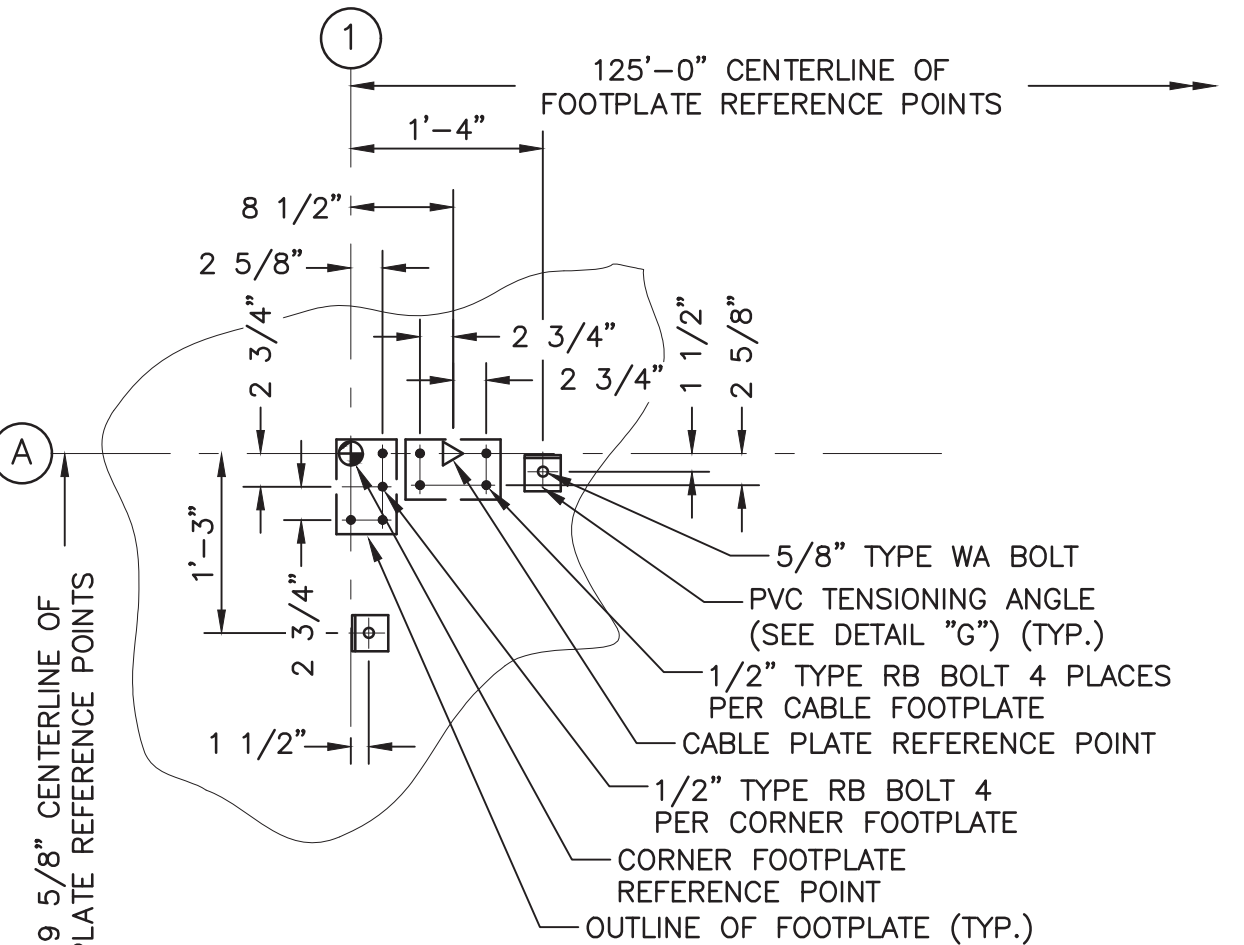
TYPE 'WA'
SCALE: NONE



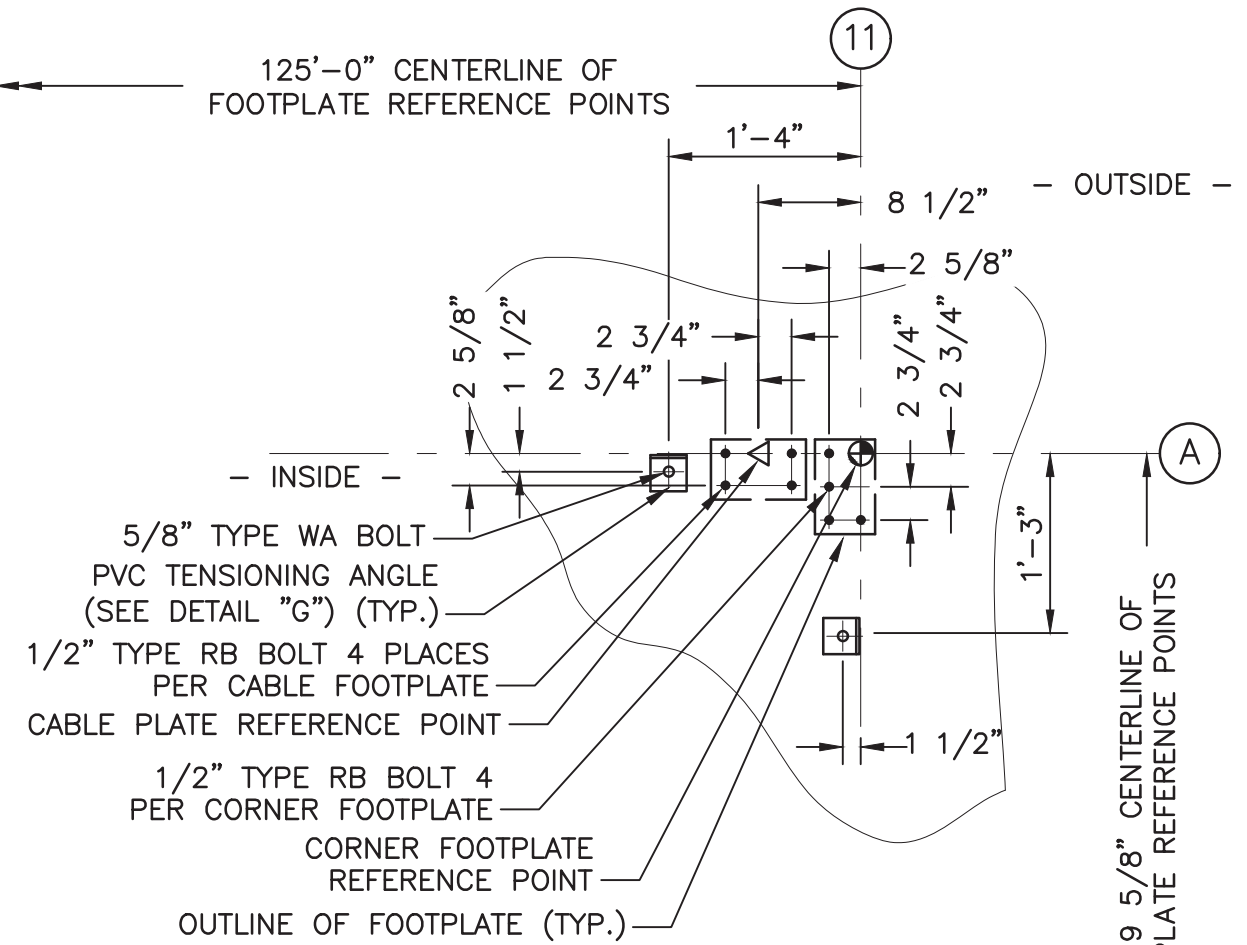
TYPE 'RB'
SCALE: NONE

NOTES

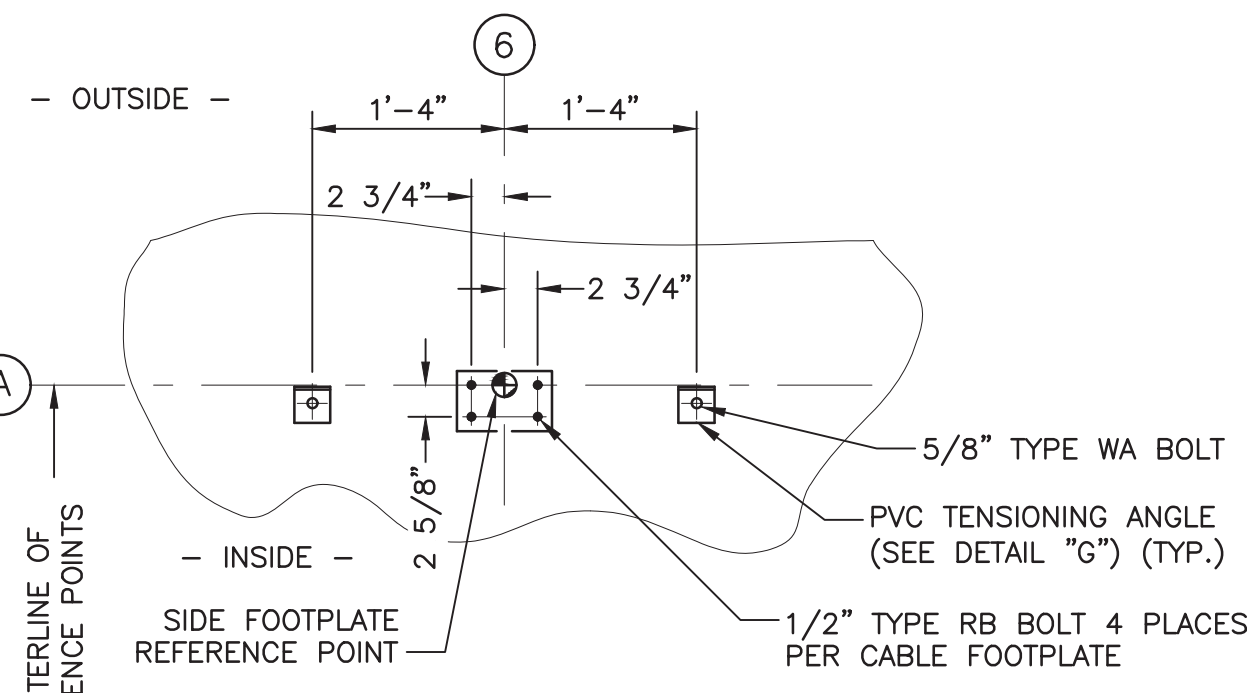
- CONCRETE SHOWN REPRESENTATIVE ONLY. ACTUAL DESIGN IS THE RESPONSIBILITY OF OTHERS. BUILDING TO BE ATTACHED TO EXISTING CONCRETE APRON DESIGNED BY STANTEC AND CONSTRUCTED IN 2016. REFER TO RECORD DRAWINGS 9.3, 9.4, AND 9.5 DATED 05.10.2018 FOR DETAILS.
- RUBB, INC. TO PROVIDE ANCHOR BOLT TEMPLATES.
- ANCHOR BOLTS & PVC FABRIC TENSIONING ANGLES TO BE SUPPLIED & INSTALLED BY RUBB.
- TYPE WA ANCHOR BOLTS TO BE SUPPLIED AND INSTALLED BY RUBB INC.
- ROLLER SHUTTER DOOR & ACCESS DOOR FOOTPLATES NOT SHOWN. USE ACTUAL BASEPLATE AS TEMPLATE TO DRILL FOR CONCRETE ANCHORS.
- ANCHOR BOLTS NEED ~~SHALL~~ BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- NOTIFY ENGINEER OF ANY CRACKS OR WEAKENED CONCRETE AT OR AROUND ANCHOR BOLTS. VERIFICATION OF ADEQUATE CONCRETE STRENGTH AROUND ANCHOR BOLTS IS RESPONSIBILITY OF OTHERS.
- ANCHOR BOLT LENGTHS AND EDGE DISTANCES ARE AS INDICATED ON THIS DRAWING. NOTIFY ENGINEER ANY AND ALL DISCREPANCIES/CONFLICTS PRIOR TO CONSTRUCTION OF THE BUILDING. TO BE VERIFIED BY FOUNDATION ENGINEER.
- FOUNDATION DESIGN ENGINEER TO VERIFY ADEQUACY OF ANCHOR BOLT EMBEDMENT SHALL BE AS INDICATED ON THIS DRAWING. EMBEDMENT LENGTHS TABULATED ARE MINIMUM VALUES.
- FOOTPLATES ARE TO CONNECT DIRECTLY TO THE CONCRETE WITHOUT THE USE OF GROUT AND SHALL FOLLOW THE SLOPE OF THE CONCRETE APRON.



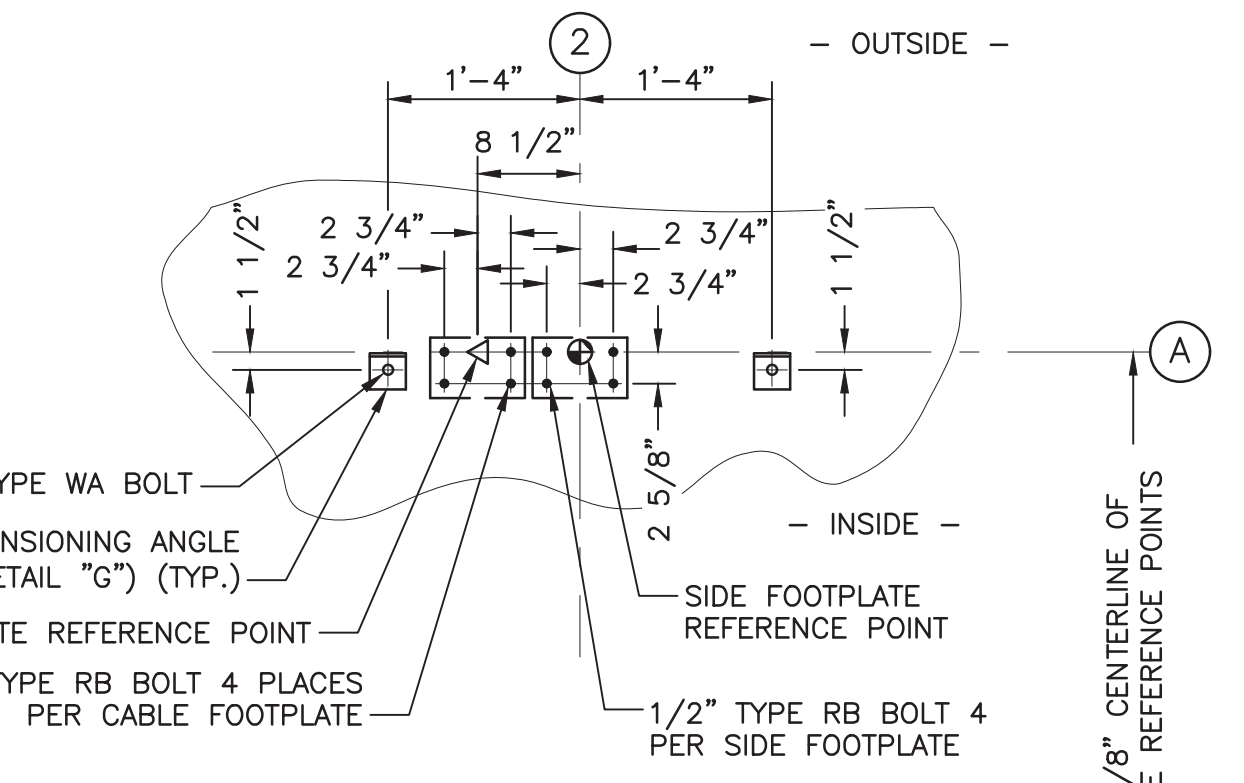
DETAIL "A"
SCALE: 3/4"=1'-0"
LOCATION A1 SHOWN
LOCATION B11 SIMILAR



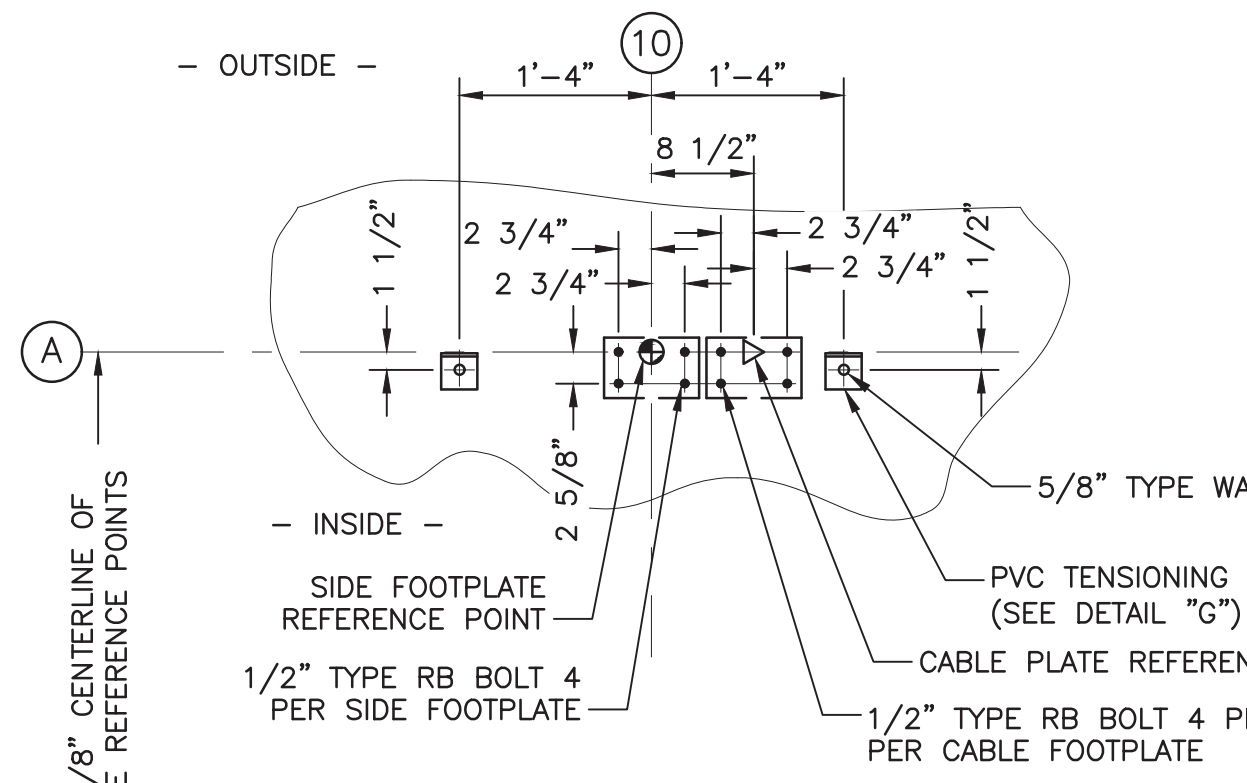
DETAIL "B"
SCALE: 3/4"=1'-0"
LOCATION A11 SHOWN
LOCATION B1 SIMILAR



DETAIL "E"
SCALE: 3/4"=1'-0"
LOCATION A6 SHOWN
ALL OTHER LOCATIONS SIMILAR



DETAIL "C"
SCALE: 3/4"=1'-0"
LOCATION A2 SHOWN
LOCATION B10 SIMILAR



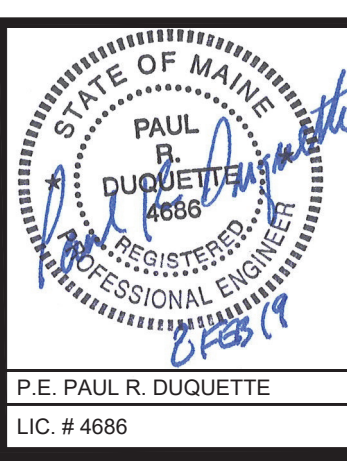
DETAIL "D"
SCALE: 3/4"=1'-0"
LOCATION A10 SHOWN
LOCATION B2 SIMILAR

ANCHOR BOLT SCHEDULE

MARK	TYPE	BOLT DIA.	'D'	'A'	'B'	'C'	'E'	MIN. THREAD	MAT'L	QTY.	LOCATION
1/2"	RB	1/2"	6	1 1/2"	2"	4 1/2"	-	3"	A36	120	LEG TRUSSES & CABLE PLATES
5/8"	WA	5/8"	6"	-	-	4 1/2"	STD.	1"	A36	88	FABRIC TENSION CLIPS
5/8"	WA	5/8"	6"	-	-	4 1/2"	STD.	1"	A36	16	R.S. DOORS
3/8"	WA	3/8"	4	3/4"	-	3 3/4"	STD.	1"	A36	8	ACCESS DOORS

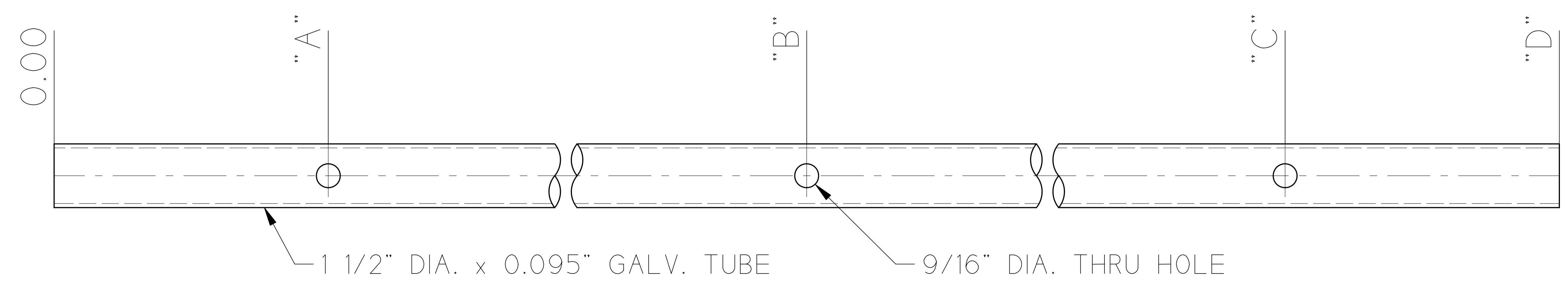
ENGINEERING DOCUMENT SOURCE:
INFORMATION IN BLACK COLOR WAS PROVIDED DIRECTLY FROM RUBB BUILDING SYSTEMS DRAWING NUMBER 59004 LAST REVISED 01-11-19. INFORMATION SHOWN IN RED COLOR HAS BEEN ADDED BY STANTEC TO PROVIDE ANCHOR BOLT AND FOUNDATION DESIGN INFORMATION.

REV	DATE	DESCRIPTION	REVISIONS
1	02.08.2019	SUBMITTED TO CITY	



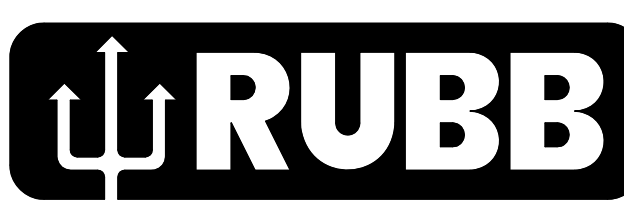
PROJECT RUBB BUILDING SYSTEM INSTALLATION ON NW TERMINAL APRON AT THE PORTLAND INTERNATIONAL JETPORT	SHEET TITLE BUILDING ANCHOR BOLT CONNECTIONS TO EXISTING CONCRETE APRON
CLIENT PORTLAND INTERNATIONAL JETPORT PORTLAND, MAINE	DATE: FEBRUARY 2019 SCALE: AS NOTED JOB NO. 195210992

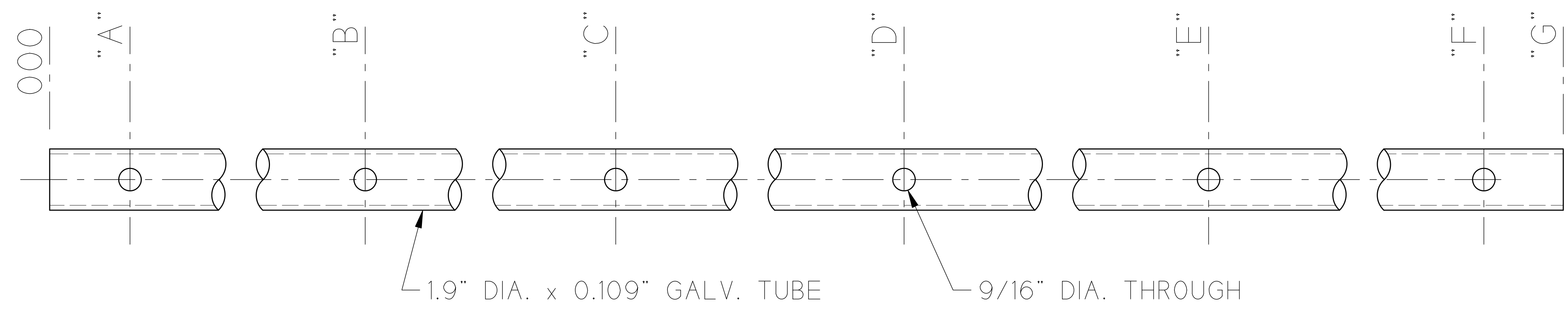
STANTEC CONSULTING SERVICES INC.	
482 PAYNE ROAD SCARBOROUGH, MAINE 04074 WWW.STANTEC.COM	
DRAWN: DESIGNED: DDA CHECKED: DDA	DATE: FEBRUARY 2019 SCALE: AS NOTED JOB NO. 195210992
SHEET 2	



- NOTES:
- 1.) BREAK SHARP CORNERS FOR PVC.
 - 2.) SEE DRAWING 11006 FOR GENERAL WELD NOTES.
 - 3.) DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.
 - 4.) ALL A500 MATERIAL TO BE $F_y = 50$ ksi MINIMUM.
 - 5.) BILL OF MATERIALS IS FOR TOTAL QUANTITY REQUIRED.

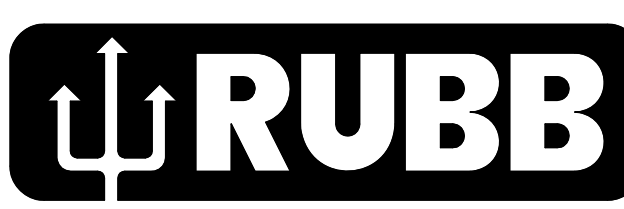
ITEM	QTY.	TYPE	"A"	"B"	"C"	"D"	REV.	DESCRIPTION	DRAWN	APP.	DATE
TT7	72	SHEET TO SHEET - ROOF/LEG	230	-	870	1100					
TT8	12	SHEET TO SHEET - LEG BEND	100	-	740	840					

We Cover The World  BUILDING SYSTEMS		TITLE 9.14m BVE / 4m LEG SIDE TENSIONING POCKET TUBES HSS 1 1/2" DIA. x 0.095"	
DRAWN CAM 12-13-18	SCALE 1 : 5	This drawing is the property of Rubb, Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of Rubb, Inc.	
APP. -	JOB # 18110	JOB NAME CITY OF PORTLAND	
DATE	RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347		DRAWING NO. 59031



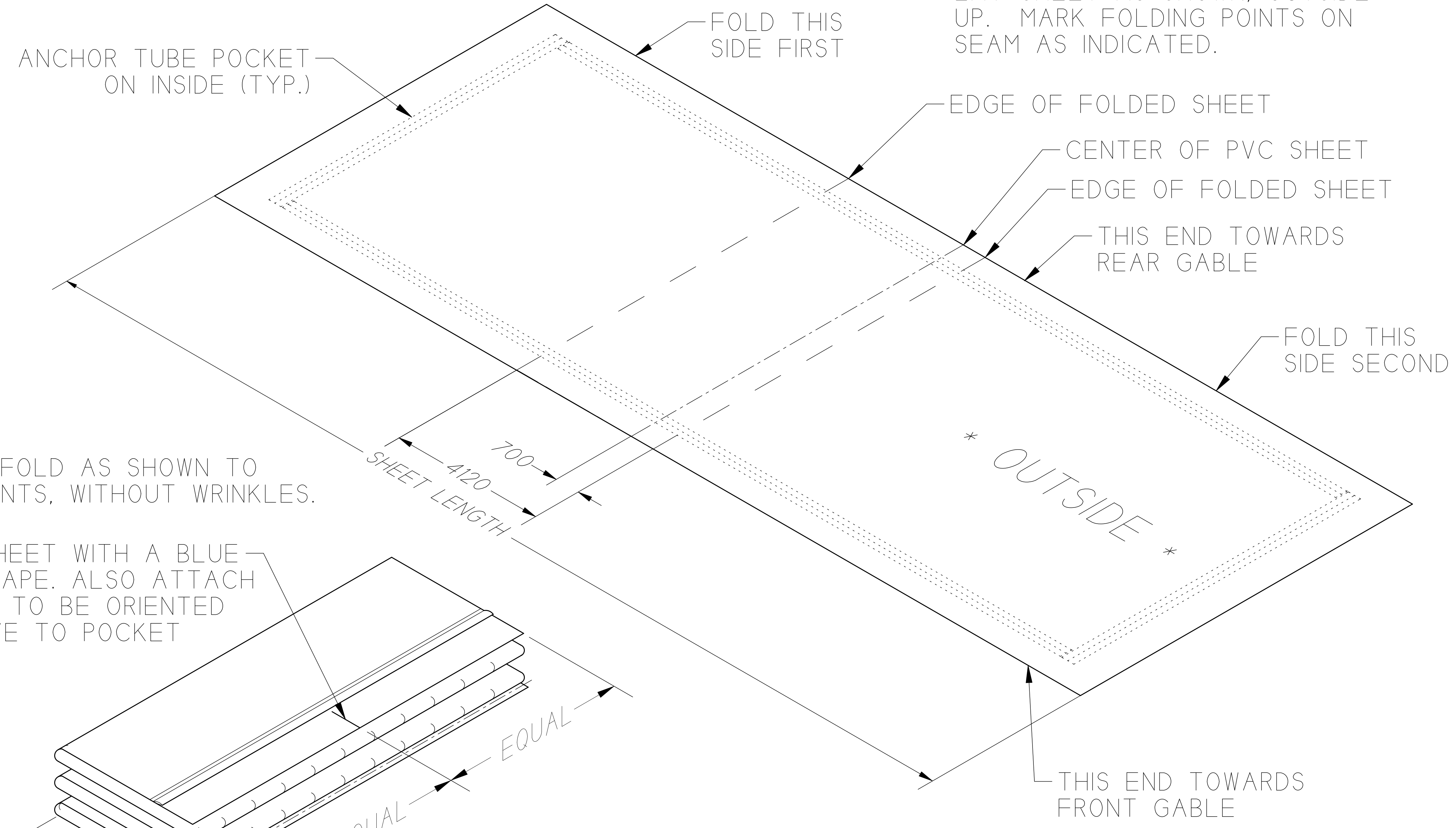
- NOTES:
- 1.) BREAK SHARP CORNERS FOR PVC.
 - 2.) DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.
 - 3.) ALL A500 MATERIAL TO BE $F_y = 50$ ksi MINIMUM.

ASS'Y	QTY.	TYPE	"A"	"B"	"C"	"D"	"E"	"F"	"G"
TT1	17	12'-6" BAYS	300	1300	-	2300	-	3300	3600
TT2	4	OUTER GABLE BASE	250	-	-	-	-	750	1000
TT3	4	ABOVE R.S. DOOR	400	-	-	1400	-	2400	2800
TT4	2	LONG BASE NEXT TO ACCESS DOOR	200	-	-	-	-	1800	2000
TT5	2	SHORT BASE NEXT TO ACCESS DOOR	-	-	-	150	-	-	300
TT6	2	CENTERED ACCESS DOOR BAY	200	-	-	-	-	1000	1200

REV.	DESCRIPTION	DRAWN	APP.	DATE
	We Cover The World  BUILDING SYSTEMS			
	TITLE 9.14m BVE / 4m LEG ANCHOR POCKET TUBES HSS 1.9" DIA. x 0.109"	DRAWN CAM 12-13-18	APP. -	DATE
		SCALE 1 : 5	JOB # 18110	JOB NAME CITY OF PORTLAND
				DRAWING NO. 59030
		RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347		

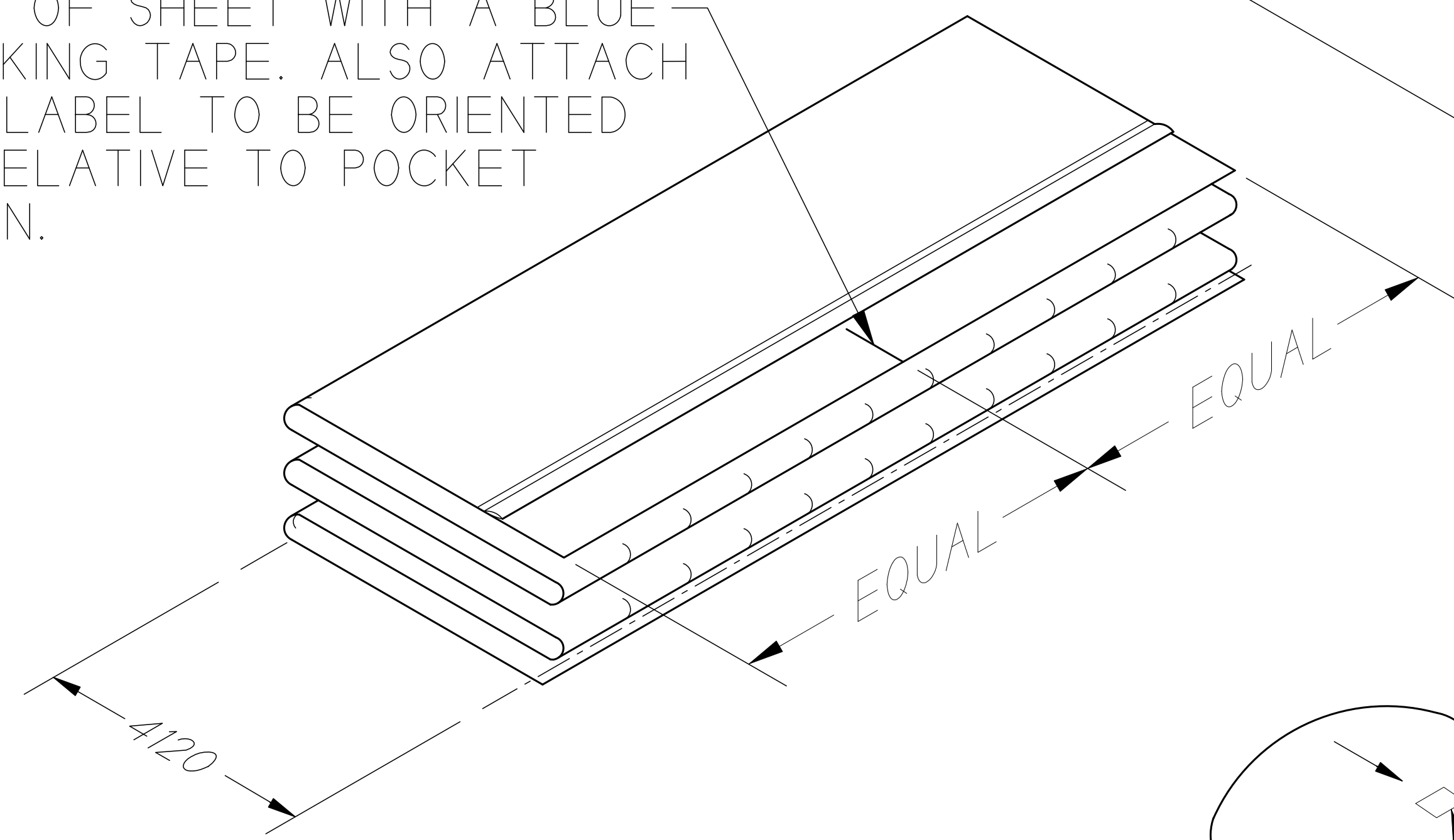
This drawing is the property of Rubb, Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of Rubb, Inc.

STEP 1:
 LAY SHEET AS SHOWN, OUTSIDE
 UP. MARK FOLDING POINTS ON
 SEAM AS INDICATED.

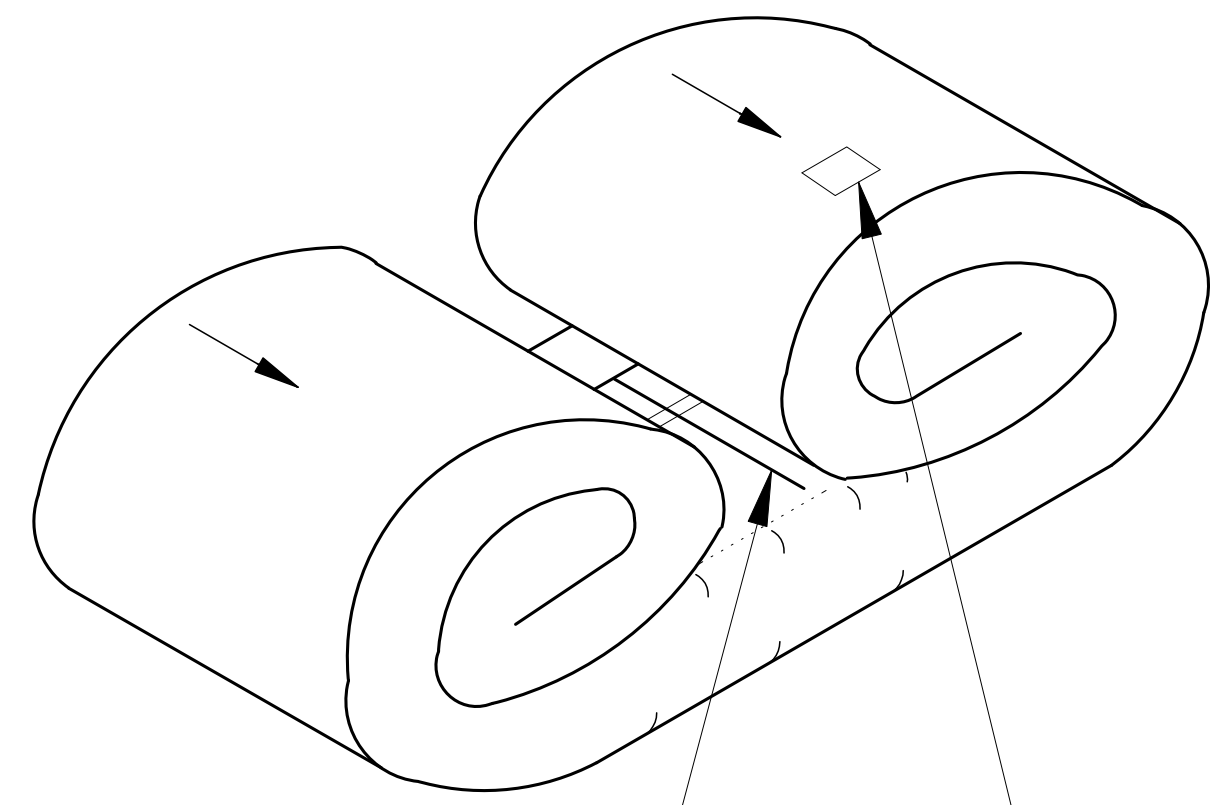


STEP 2:
 ACCORDION FOLD AS SHOWN TO
 FOLDING POINTS, WITHOUT WRINKLES.

MARK CENTER OF SHEET WITH A BLUE
 STRIP OF MASKING TAPE. ALSO ATTACH
 LABEL HERE. LABEL TO BE ORIENTED
 CORRECTLY RELATIVE TO POCKET
 CONFIGURATION.

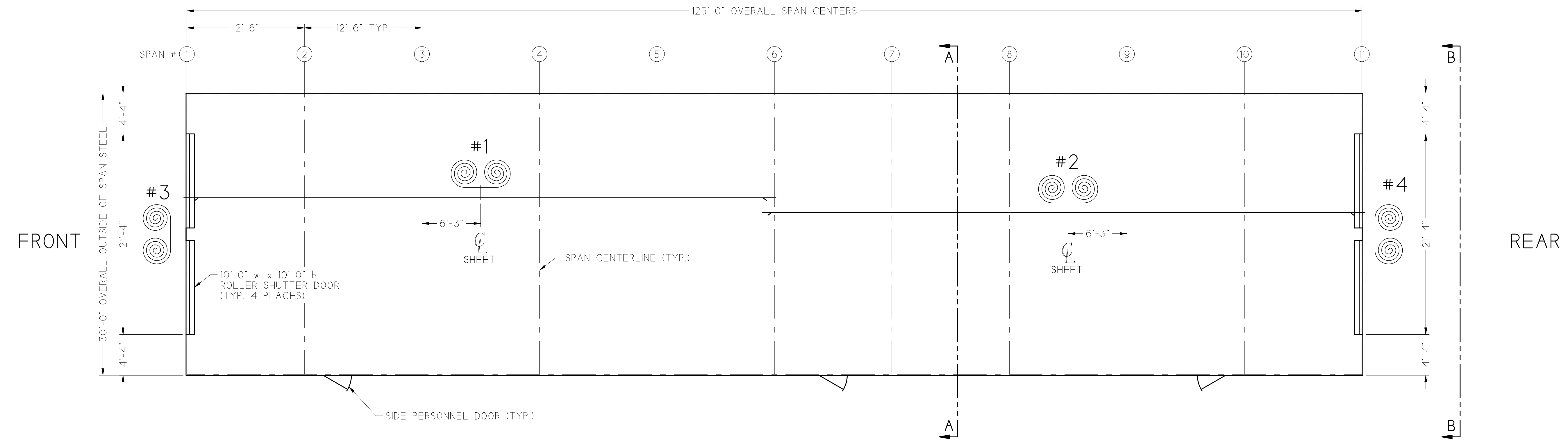


STEP 3:
 ROLL TIGHTLY TOWARDS BLUE STRIP
 OF MASKING TAPE AS SHOWN. ATTACH
 BLUE MASKING TAPE ARROWS AS SHOWN
 TO INDICATE DIRECTION TOWARDS PEAK.

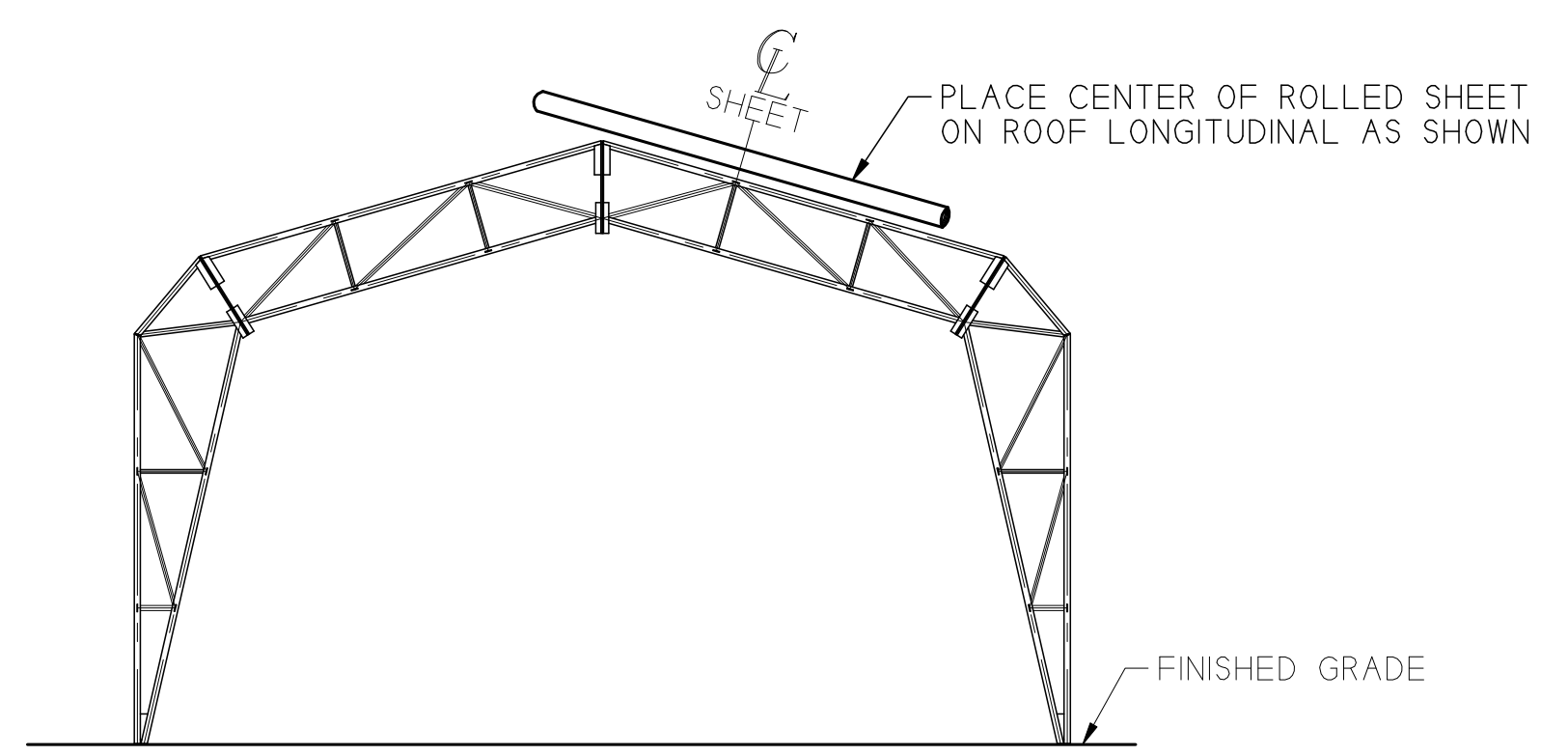


ATTACH SECOND LABEL HERE.
 LABEL TO BE ORIENTED CORRECTLY
 RELATIVE TO POCKET CONFIGURATION.

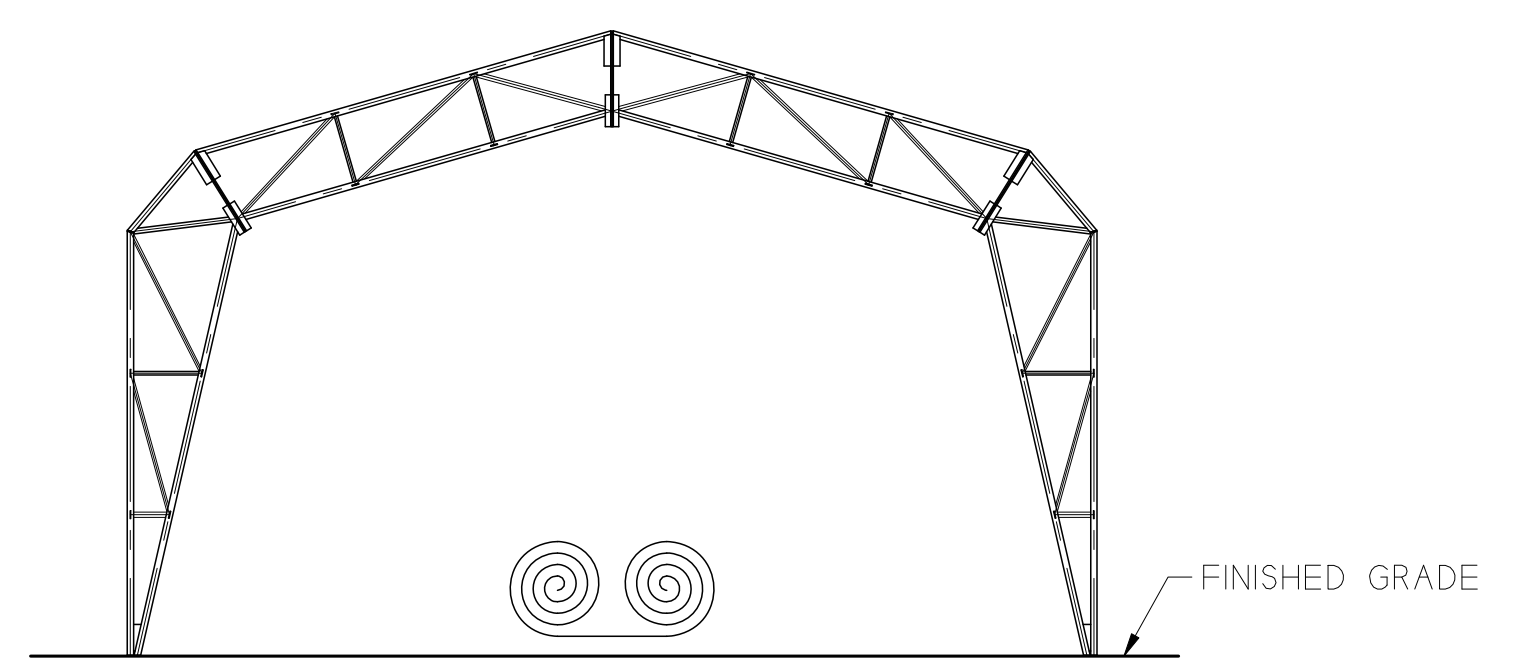
REV.	DESCRIPTION	DRAWN	APP.	DATE
	We Cover The World RUBB BUILDING SYSTEMS			
	TITLE 9.14m BVE / 4m LEG PVC ROLLING INSTRUCTIONS FOR SECTIONS #1 & #2			
DRAWN	CAM 12-13-18	SCALE	NONE	This drawing is the property of Rubb, Inc. and may not be reproduced or used for any manufacturing purpose without the express written consent of Rubb, Inc.
APP.	-	JOB #	18110	
DATE		JOB NAME	CITY OF PORTLAND	
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347				DRAWING NO. 59029



PLAN VIEW



SECTION "A-A"
 VIEW TOWARDS FRONT



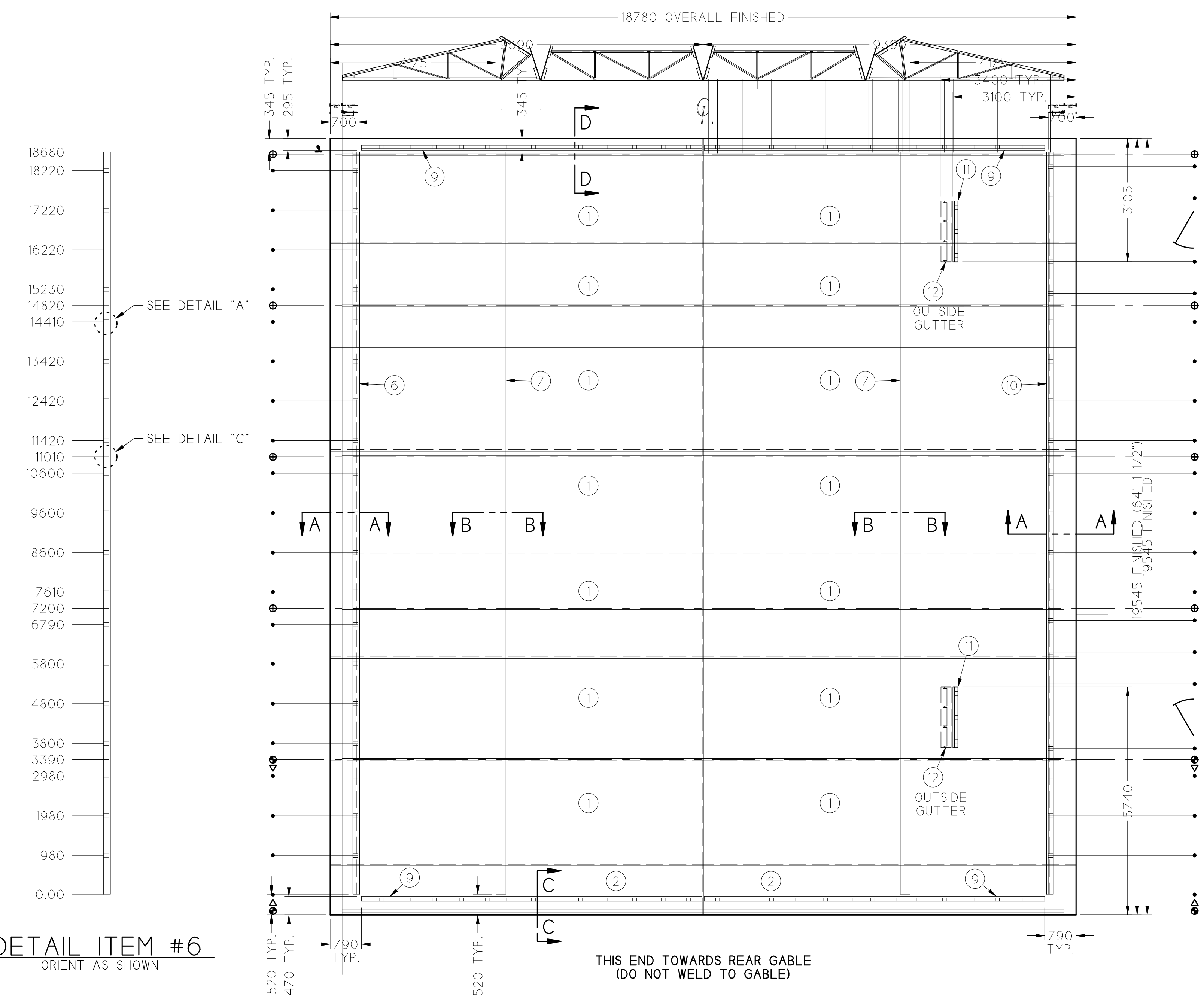
#3 & #4

POSITION GABLE SHEET ON GROUND NEAR CENTER OF BUILDING.
 UNROLL SHEETS TOWARDS LEFT AND RIGHT SIDE.
 UNFOLD AS REQUIRED TO EXPOSE HANGING POCKETS.
 INSERT POCKET TUBES INTO POCKETS. RAISE GABLE SHEET UP.

VIEW "B-B"
 REAR GABLE SHOWN
 FRONT GABLE SIMILAR
 (NOT TO SCALE)

SHEET	QTY.	DESCRIPTION	DRAWING
1	1	62'-6" TOP END PVC	59022
2	1	62'-6" TOP END PVC	59023
3	1	FRONT GABLE PVC	59025
4	1	REAR GABLE PVC	59026

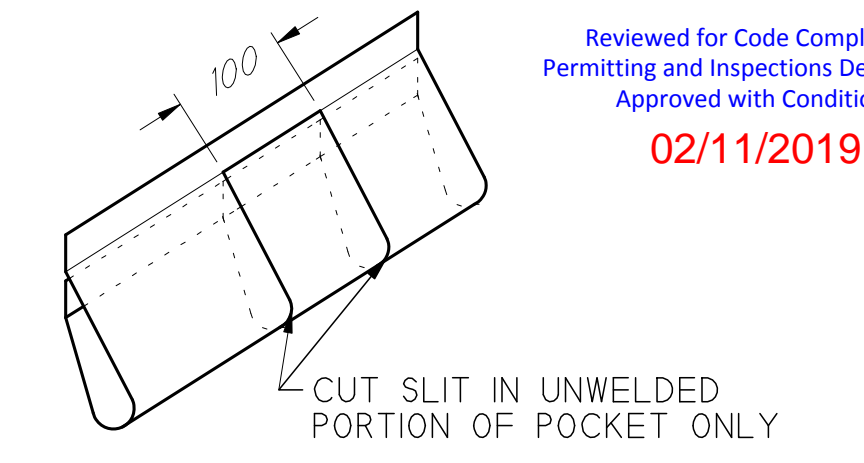
REV.	DESCRIPTION	DRAWN	APP.	DATE
We Cover The World RUBB BUILDING SYSTEMS				
TITLE 9.14m BVE / 4m LEG PVC SCHEMATIC		SCALE 1 : 75		
DRAWN CAM 12-11-18		JOB # 18110		
DATE CITY OF PORTLAND		JOB NAME CITY OF PORTLAND		
RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347				DRAWING NO. 59024



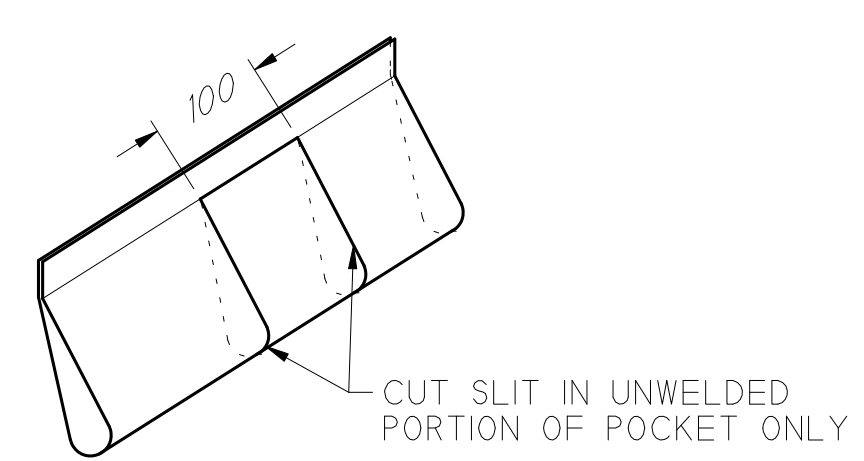
DETAIL ITEM #6
ORIENT AS SHOWN

DETAIL ITEM #10
ORIENT AS SHOWN

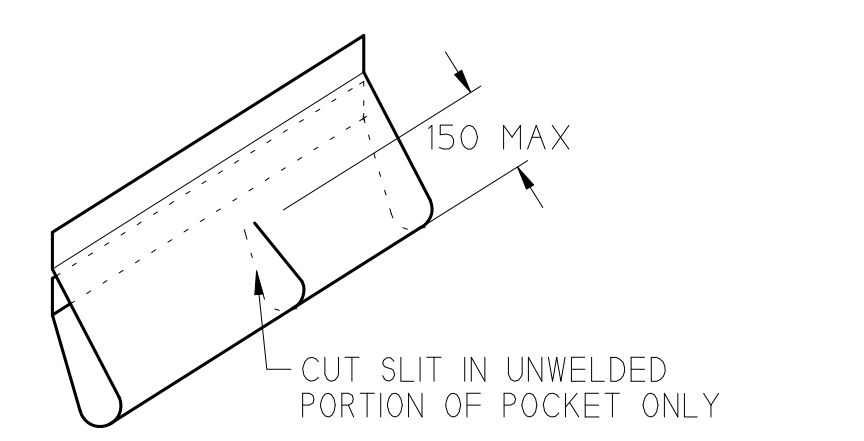
DETAIL ITEM #12
ORIENT AS SHOWN
2x SCALE



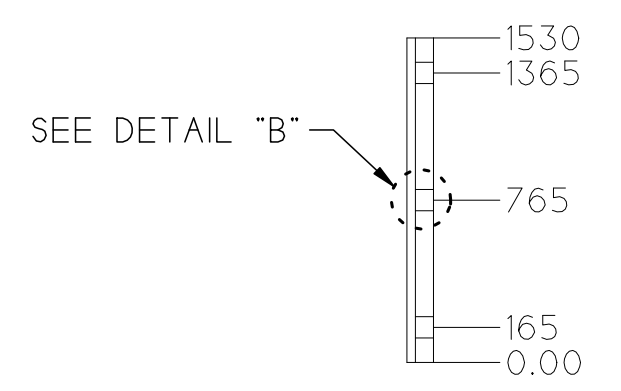
DETAIL "A"
(NOT TO SCALE)



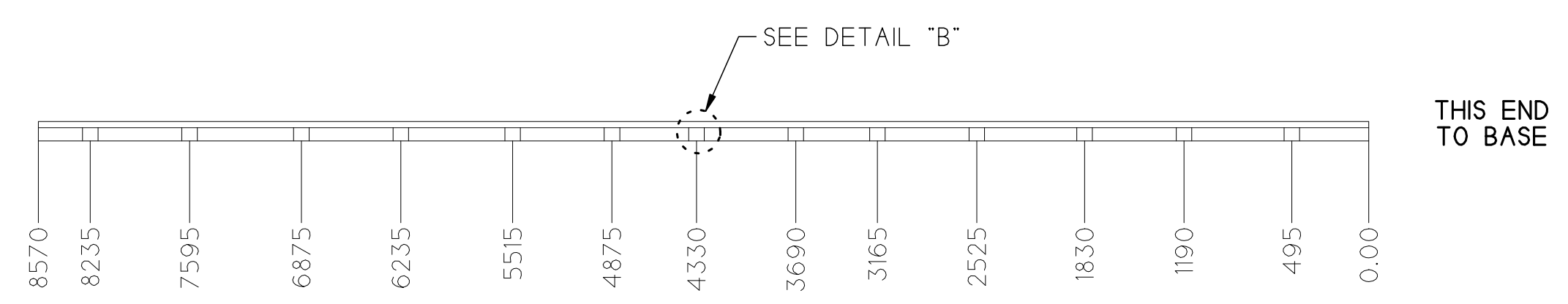
DETAIL "B"
(NOT TO SCALE)



DETAIL "C"
(NOT TO SCALE)



- NOTES:
- 1.) MATERIAL TO BE FERRARI 93252.
 - 2.) ITEM 6 & 10 ARE ANCHOR TUBE POCKET FOR 1.9" DIA. POCKET TUBES.
 - 3.) ITEM 7 IS A REINFORCEMENT POCKET.
 - 4.) ITEMS 9 IS A CINCH STRAP TUBE POCKETS FOR 1 1/2" DIA. POCKET TUBES.
 - 5.) ITEM 11 IS A DOOR HANGING POCKET.
 - 6.) ITEM 12 IS A GUTTER POCKET.
 - 7.) DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.
 - 8.) AREAS NOT LABELED WITH UNITS ARE IN SQUARE METERS.



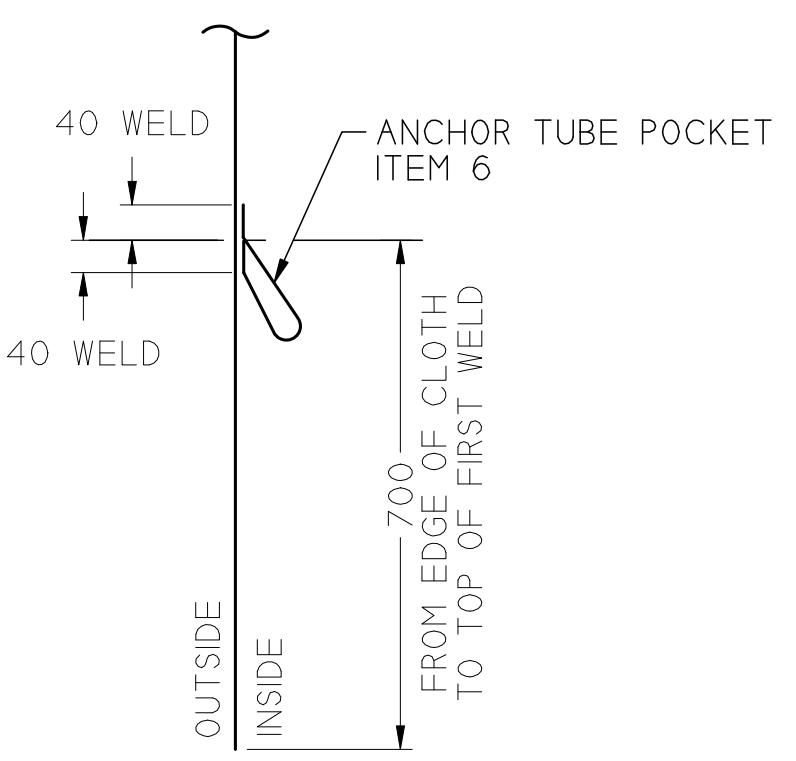
DETAIL ITEM #9
ORIENT AS SHOWN
2x SCALE

CUTTING LIST - SHEETS

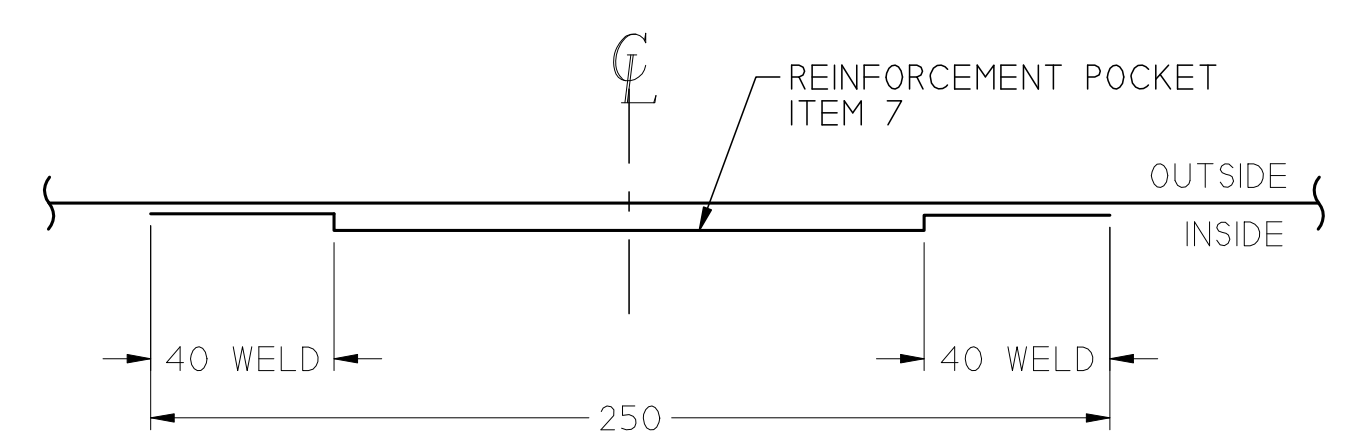
ITEM	QTY.	WIDTH	LENGTH	COLOR	MATERIAL	AREA
1	14	2650	9410	WHITE	NON-TED	349.1
2	2	1275	9410	WHITE	NON-TED	24.0

CUTTING LIST - POCKETS

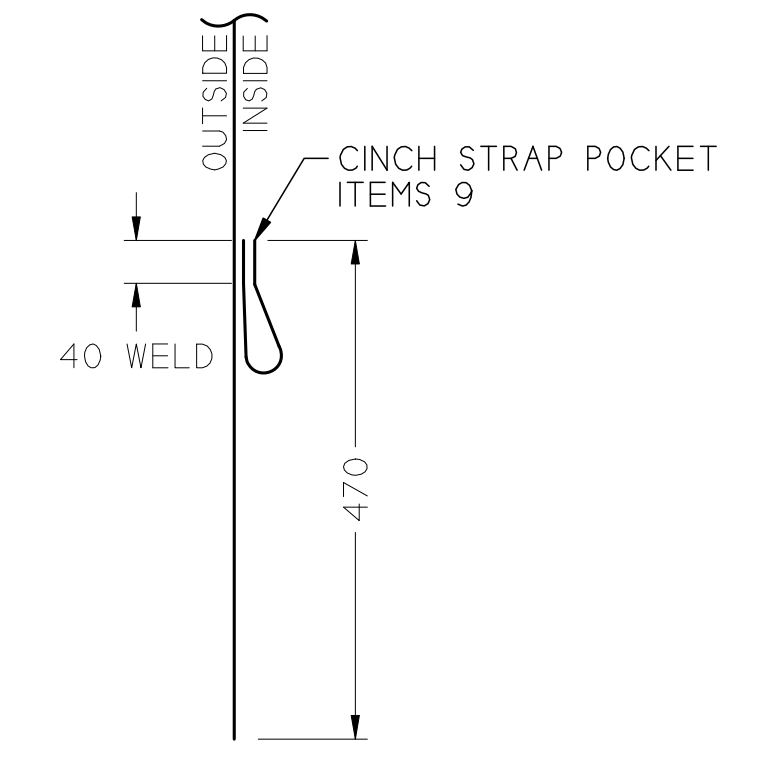
ITEM	QTY.	WIDTH	LENGTH	COLOR	MATERIAL	AREA
6	1	300	18680	WHITE	NON-TED	5.6
7	2	250	18210	WHITE	NON-TED	9.1
8	-	-	-	-	-	-
9	4	250	8570	WHITE	NON-TED	8.6
10	1	300	18680	WHITE	NON-TED	5.6
11	2	250	1530	WHITE	NON-TED	0.8
12	2	460	1530	WHITE	NON-TED	1.4
TOTAL WHITE						404.2
AREA COVERED						367.1
SHEET WEIGHT						845.6 lbs.



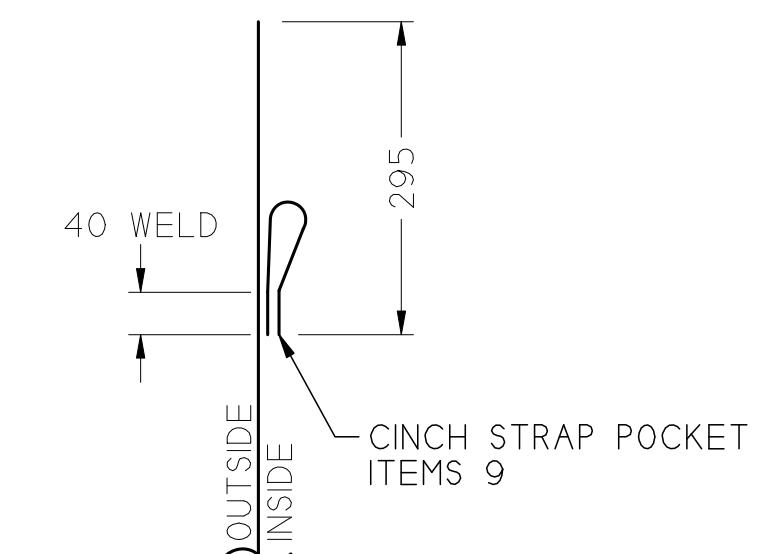
SECTION "A-A"
(NOT TO SCALE)



SECTION "B-B"
NOT TO SCALE



SECTION "C-C"
NOT TO SCALE

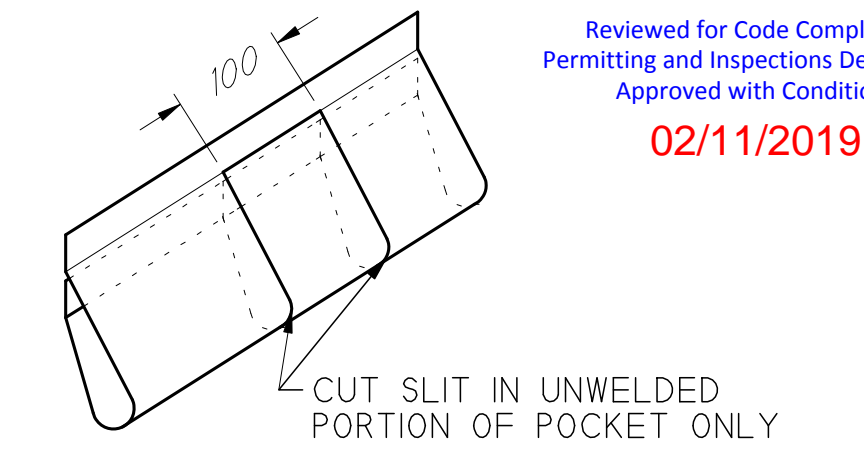
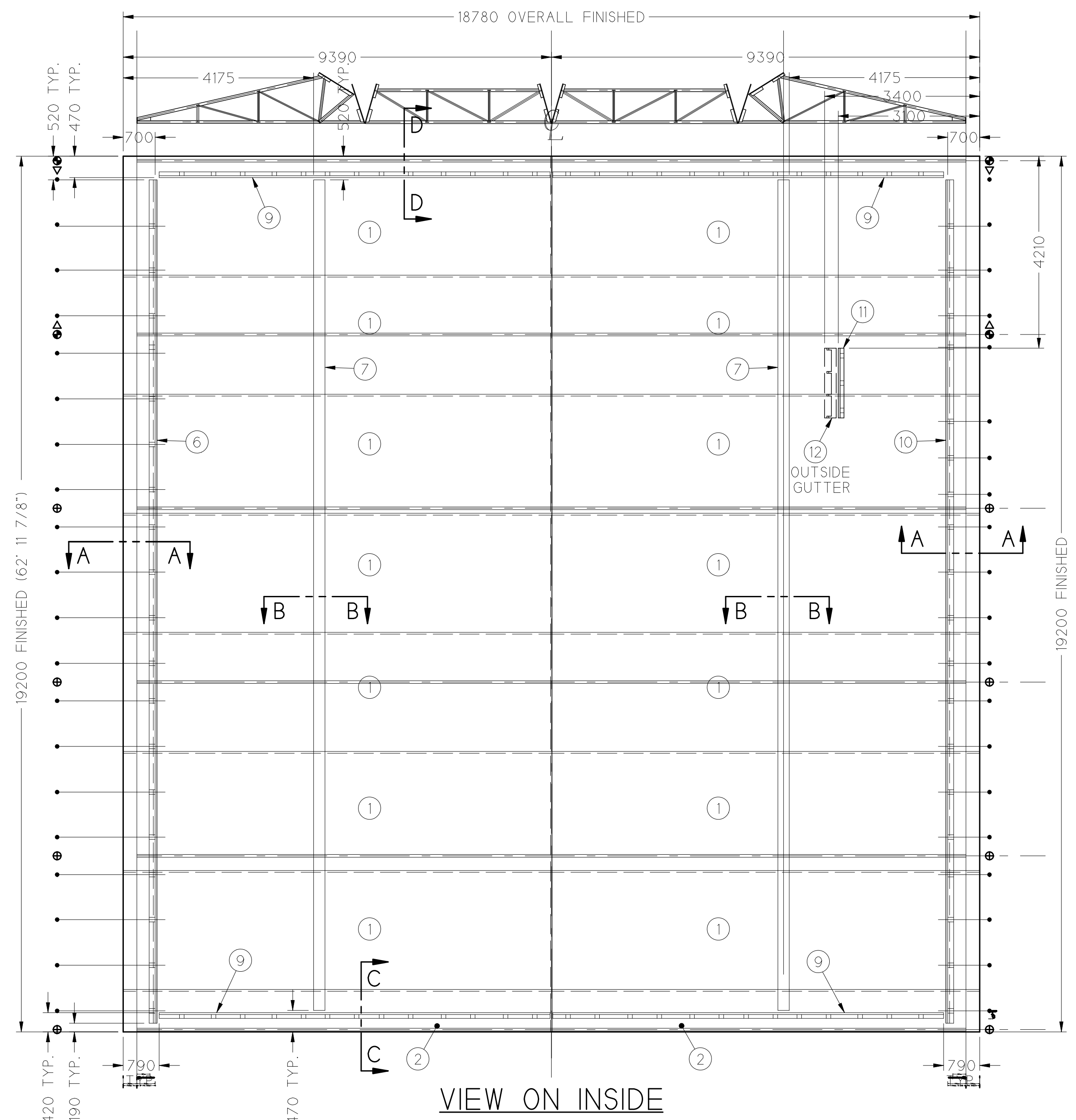


SECTION "D-D"
NOT TO SCALE

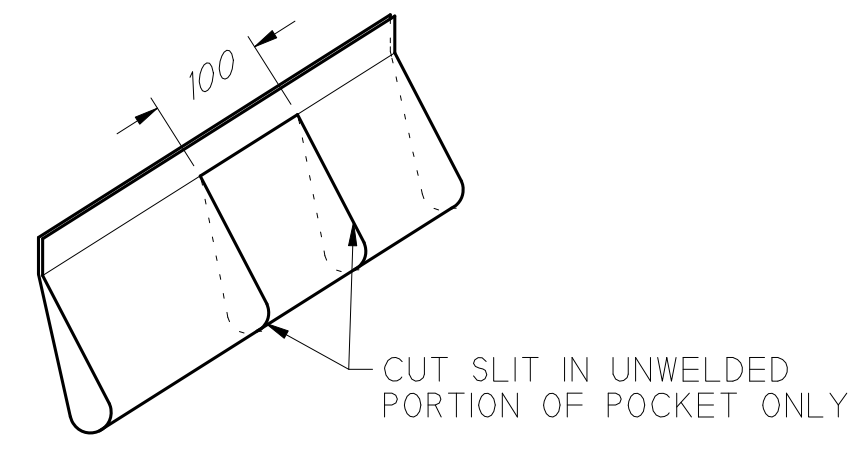
REV.	DESCRIPTION	DRAWN	APP.	DATE
	We Cover The World RUBB BUILDING SYSTEMS			
	TITLE 9.14m BVE / 4m LEG 62'-6" TOP END PVC SECTION #2			
	SCALE 1 : 75			
	JOB # 18110			
	JOB NAME CITY OF PORTLAND			
	RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347			
	DRAWING NO. 59023			



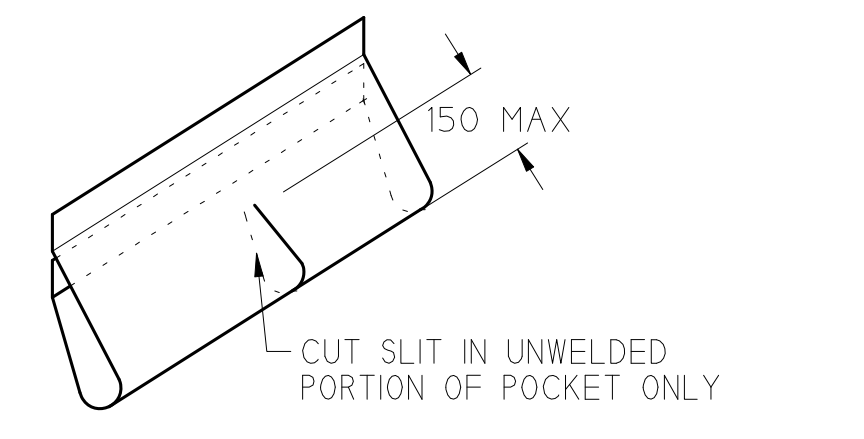
THIS END TOWARDS FRONT GABLE
(DO NOT WELD TO GABLE)



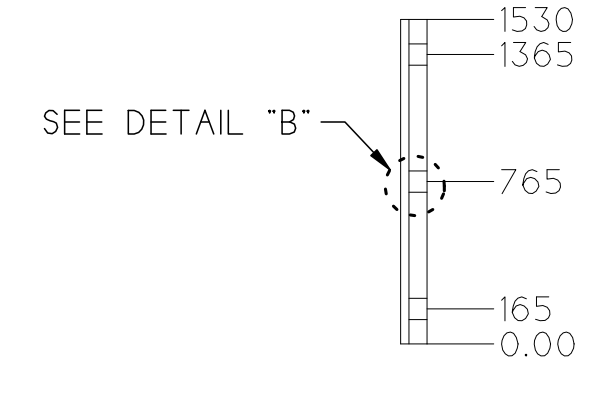
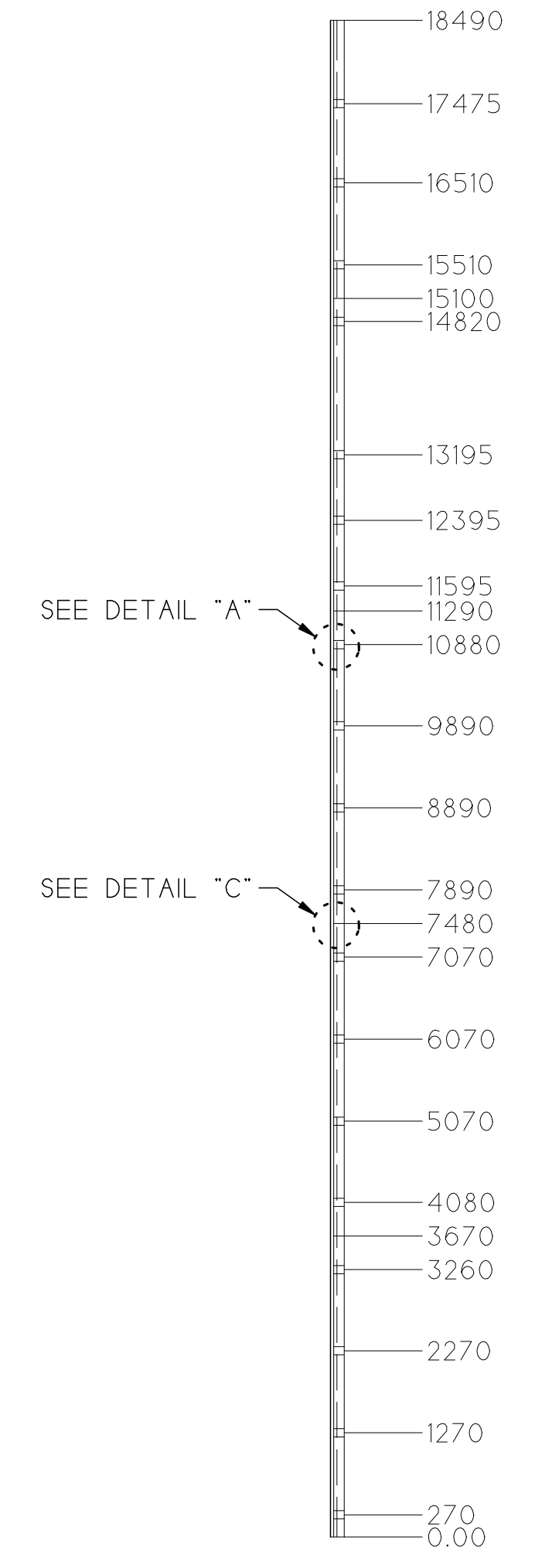
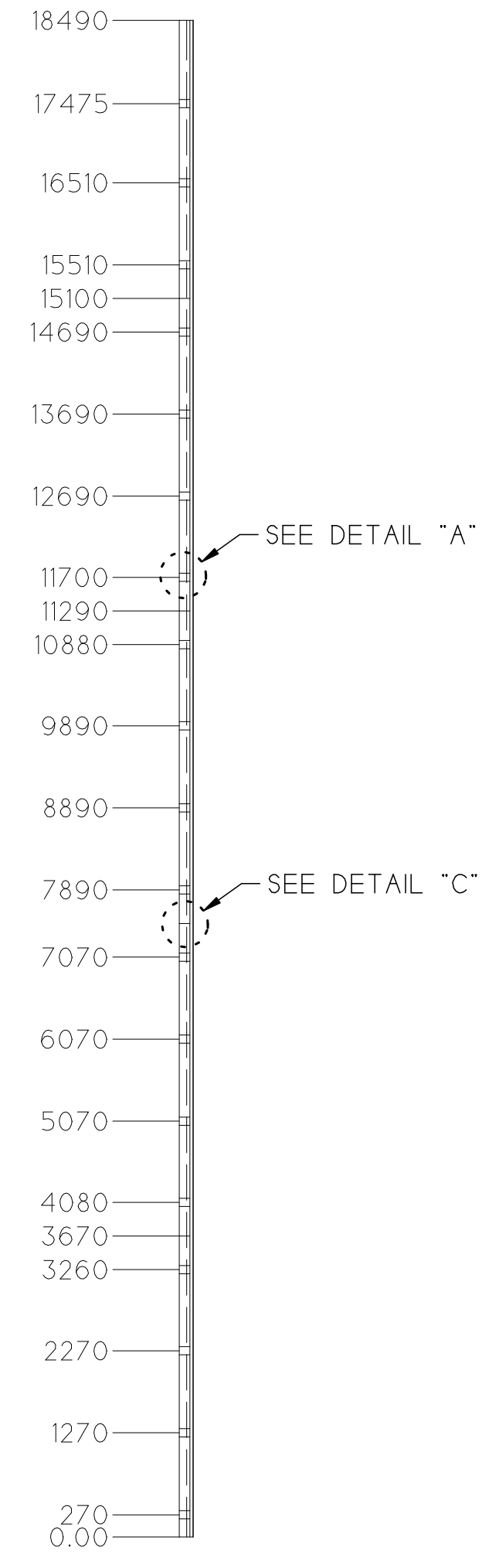
DETAIL "A"
(NOT TO SCALE)



DETAIL "B"
(NOT TO SCALE)



DETAIL "C"
(NOT TO SCALE)

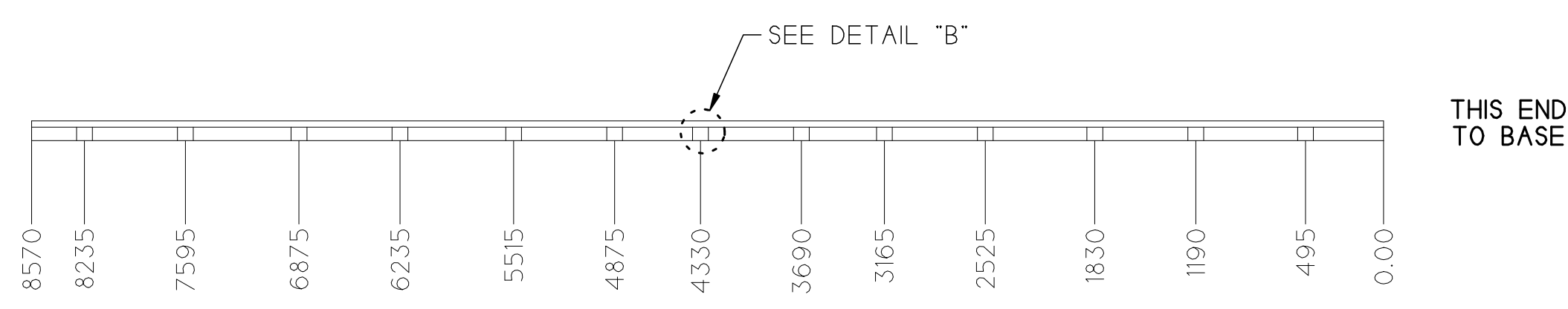


DETAIL ITEM #11
ORIENT AS SHOWN
2x SCALE

- NOTES:
- 1.) MATERIAL TO BE FERRARI 932S2.
 - 2.) ITEM 6 & 10 ARE ANCHOR TUBE POCKET FOR 1.9" DIA. POCKET TUBES.
 - 3.) DIMENSIONS NOT LABELED WITH UNITS ARE IN MILLIMETERS.
 - 4.) AREAS NOT LABELED WITH UNITS ARE IN SQUARE METERS.

DETAIL ITEM #6
ORIENT AS SHOWN

DETAIL ITEM #10
ORIENT AS SHOWN



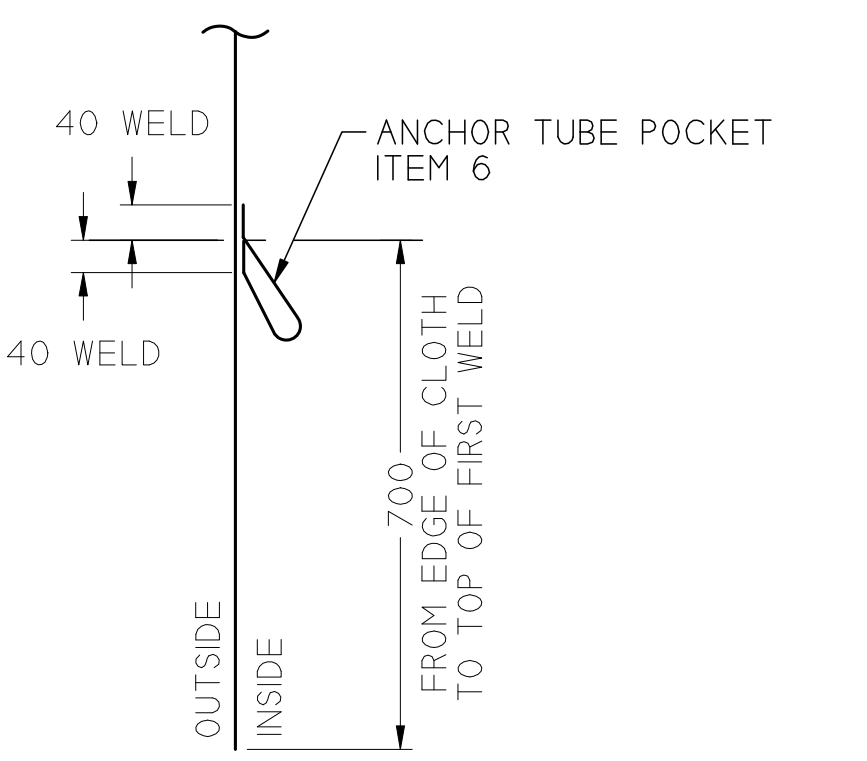
DETAIL ITEM #9
ORIENT AS SHOWN
2x SCALE

CUTTING LIST - SHEETS

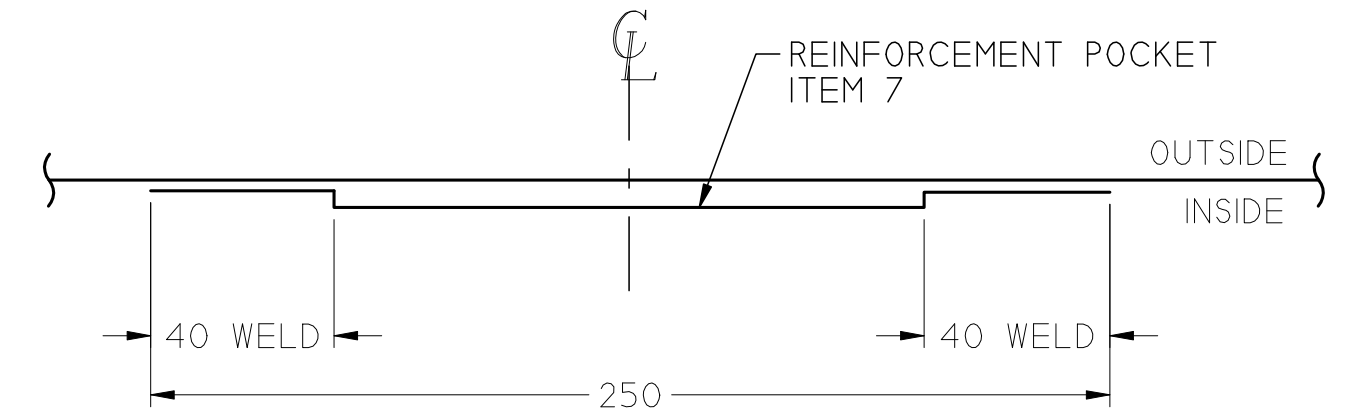
ITEM	QTY.	WIDTH	LENGTH	COLOR	MATERIAL	AREA
1	14	2650	9410	WHITE	NON-TED	349.1
2	2	930	9410	WHITE	NON-TED	23.1

CUTTING LIST - POCKETS

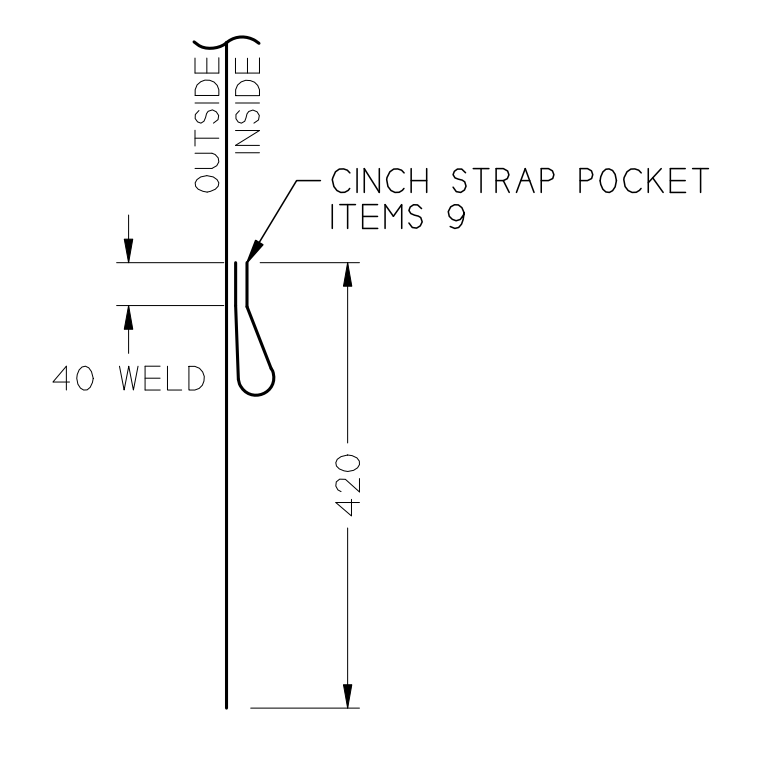
ITEM	QTY.	WIDTH	LENGTH	COLOR	MATERIAL	AREA
6	1	300	18490	WHITE	NON-TED	5.5
7	2	250	18210	WHITE	NON-TED	9.1
8	-	-	-	-	-	-
9	4	250	8570	WHITE	NON-TED	8.6
10	1	300	18490	WHITE	NON-TED	5.5
11	1	250	1530	WHITE	NON-TED	0.4
12	1	460	1530	WHITE	NON-TED	0.7
TOTAL WHITE						402.0
AREA COVERED						360.6
SHEET WEIGHT						841.3 lbs.



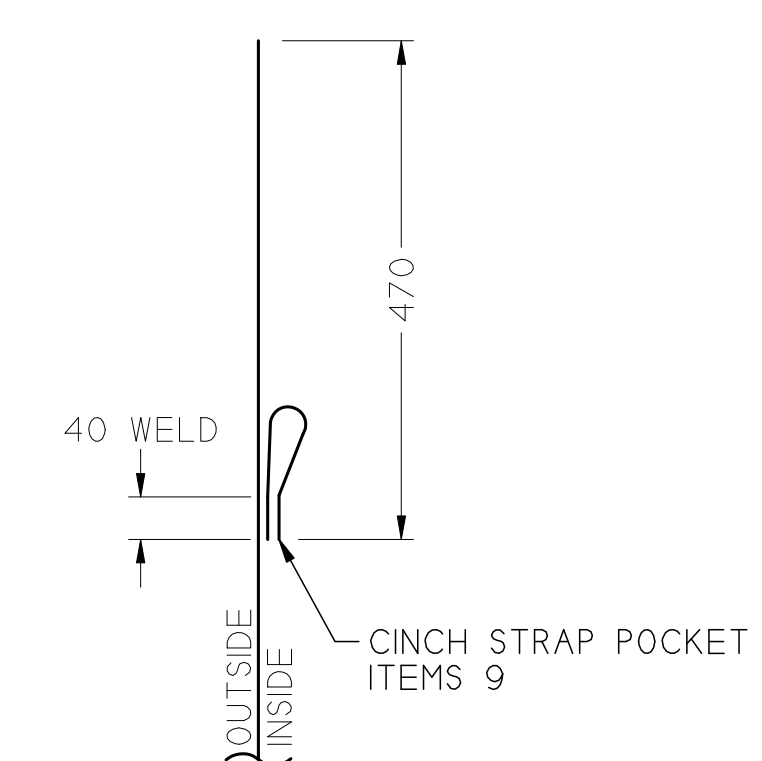
SECTION "A-A"
(NOT TO SCALE)



SECTION "B-B"
NOT TO SCALE



SECTION "C-C"
NOT TO SCALE



SECTION "D-D"
NOT TO SCALE

REV.	DESCRIPTION	DRAWN	APP.	DATE
<p>We Cover The World RUBB BUILDING SYSTEMS</p>				
<p>TITLE 9.14m BVE / 4m LEG 62'-6" TOP END PVC SECTION #1</p>		<p>SCALE 1 : 75</p>		
<p>DRAWN CAM 12-11-18</p>		<p>APP. 18110</p>		
<p>DATE</p>		<p>JOB NAME CITY OF PORTLAND</p>		
<p>RUBB, INC. SANFORD MAINE 04073 TEL: 207-324-2877 FAX 207-324-2347</p>				<p>DRAWING NO. 59022</p>