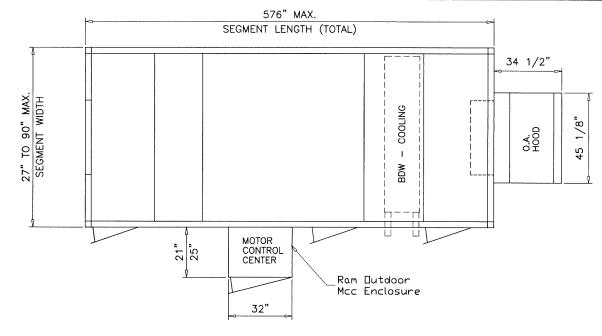
UNIT DIMENSIONS:

SEGMENT HEIGHT = 27" TO 78" MAX. SEGMENT WIDTH = 27" TO 90" MAX. SEGMENT LENGTH (TOTAL) = 576" MAX. MAXIMUM PANEL SIZES ARE SHOWN ON SHEET 12.

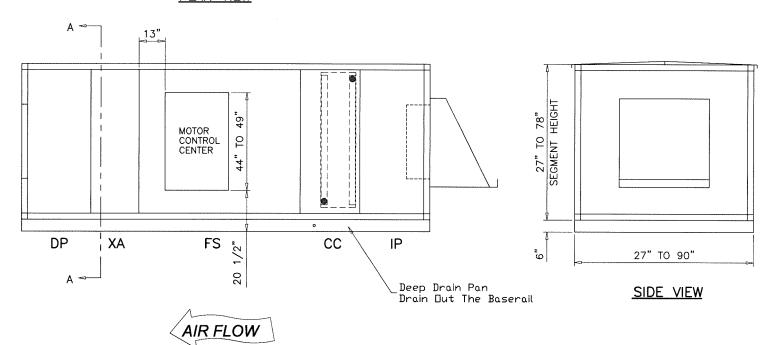


NOTE:

1-1/4" MPT CONDENSATE CONNECTION LOCATED ON LEFT SIDE OF UNIT, 7 5/16" ABOVE ROOF LINE HORIZONTAL CONDENSATE CONNECTION DIMENSION TOLERANCE: +/- 1 1/2"

PLAN VIEW

FRONT ELEV.



GENERAL NOTES

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) AND 2018 INTERNATIONAL BUILDING CODE (IBC).

27" TO 78" MAX SEGMENT HEIGHT

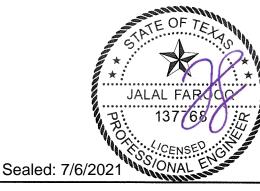
27" TO 90"

<u>A-A</u>

- 2. STRUCTURAL STEEL SHALL CONFORM TO ASTM DESIGNATION A-36AND STEEL SHEET SHALL CONFORM TO ASTM DESIGNATION A-653, GALVANIZED WITH A COATING DESIGNATION OF G90. MIN. Fy = 48,380 PSI.
- 3. ELECTRICAL AND MECHANICAL DETAILS ARE NOT PART OF THIS APPROVAL.
- 4. POLYURETHANE SHALL BE RIGID FOAM MIN. DENSITY #2 C.F.
- 5. MAX. FLAME SPREAD RATING = 5 AS PER ASTM E-84. SMOKE DEVELOPED INDEX = 250 SPONTANEOUS-IGNITION TEMPERATURE = 869'F.
- 6. ALL STEEL TO BE SHOP PRIMED BEFORE ASSEMBLY.
- 7. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2018 IRC/IBC.
- 8. ALTERNATIVE CONSTRUCTED MOTOR CONTROL ENCLOSURE SEE SHEET 16 FOR DETAIL.

ALLOWABLE DESIGN LOAD					
COMPONENT	POSITIVE	NEGATIVE			
WALL	65 PSF	65 PSF			
ROOF	65 PSF	65 PSF			

Note: All standard Panel liners and outers are 20 gage galv steel



1		4		
	11-19-13	1/4"=1-0"	" TARIQ	oy:
	date:	scale:	dr. by:	chk. by:
21				
1	dro	oniwi	g r	١٥.
١	1	3-	-05	5

(C.A.N. 3538) FAX. (305) 262-6978

 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

 9360 SUNSET DRIVE, SUITE 220

 MIAMI, FLORIDA 33173
 (C.A.N. 3538)

 TEL. (305) 264-8100
 FAX. (305) 262-6978

L N

SOLUTION XT ROOFTOP AIR HANDLING

York/Johnson Controls Inc. 100 JCI Way York, PA. 17406 TEL. (717) 978-3326

 \cup sheet 1 of 16 Corner Assembly Instructions:

1) Attach DOA Raceway (2) with corner connector (6) using

hardware (8) - 2 Screws

2) Attach End Raceway (5) with corner connector (6) using hardware (8) - 2 Screws

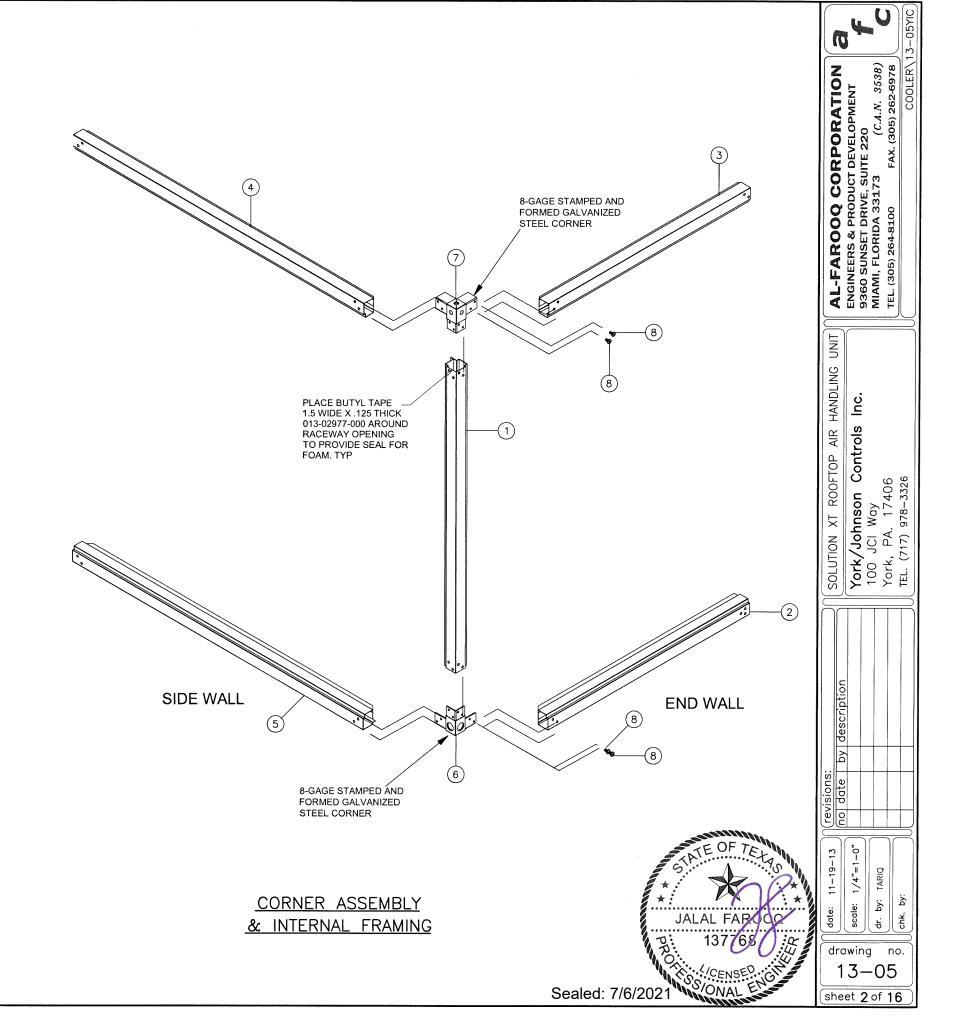
3) Attach Vertical Raceway (1) to corner connector (6) using hardware (8) - 4 Screws 4) Attach Corner connector (7) to vertical raceway (1) using

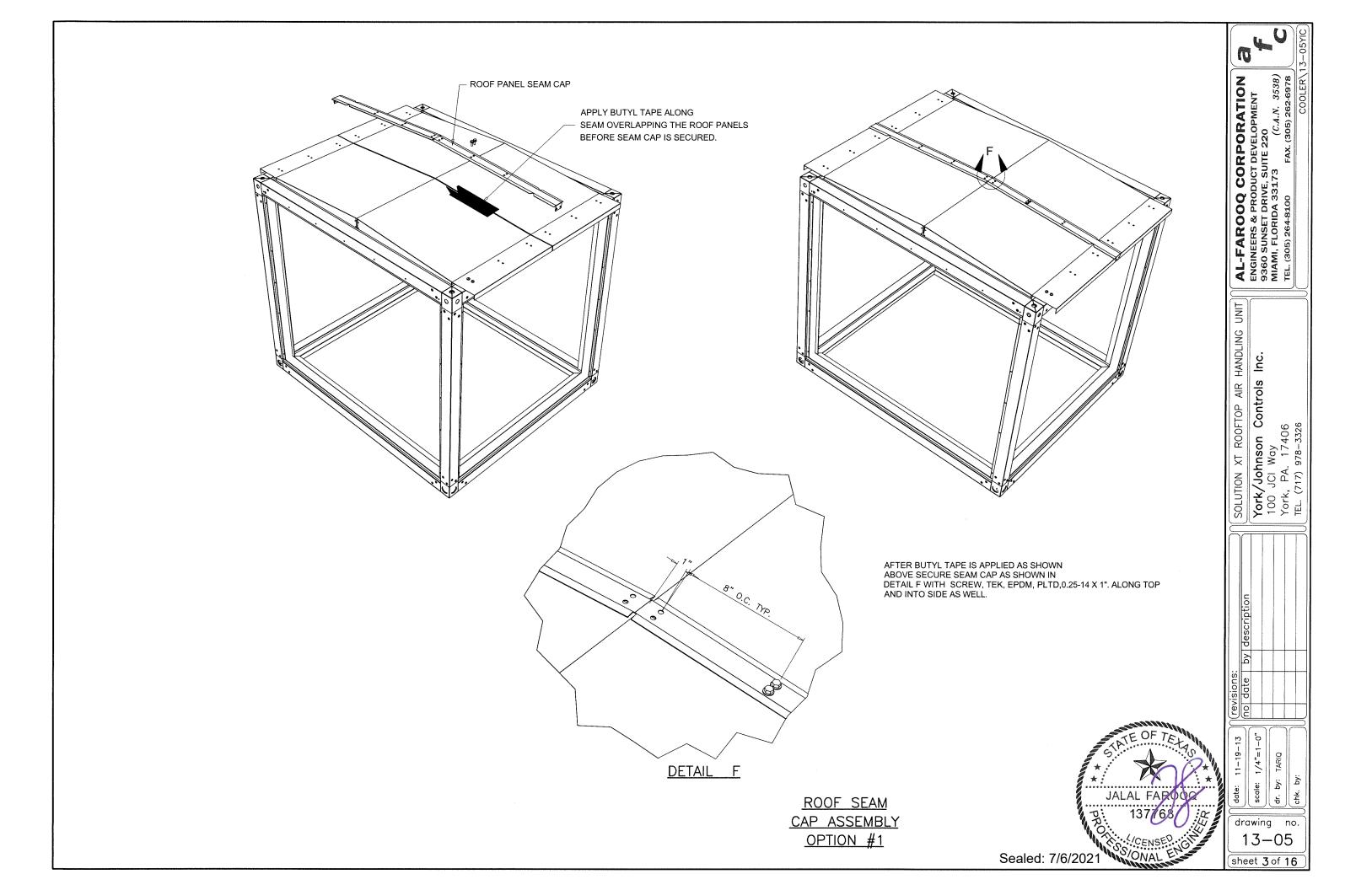
hardware (8) - 4 Screws 5) Attach DOA Raceway (3) to corner connector (7) using

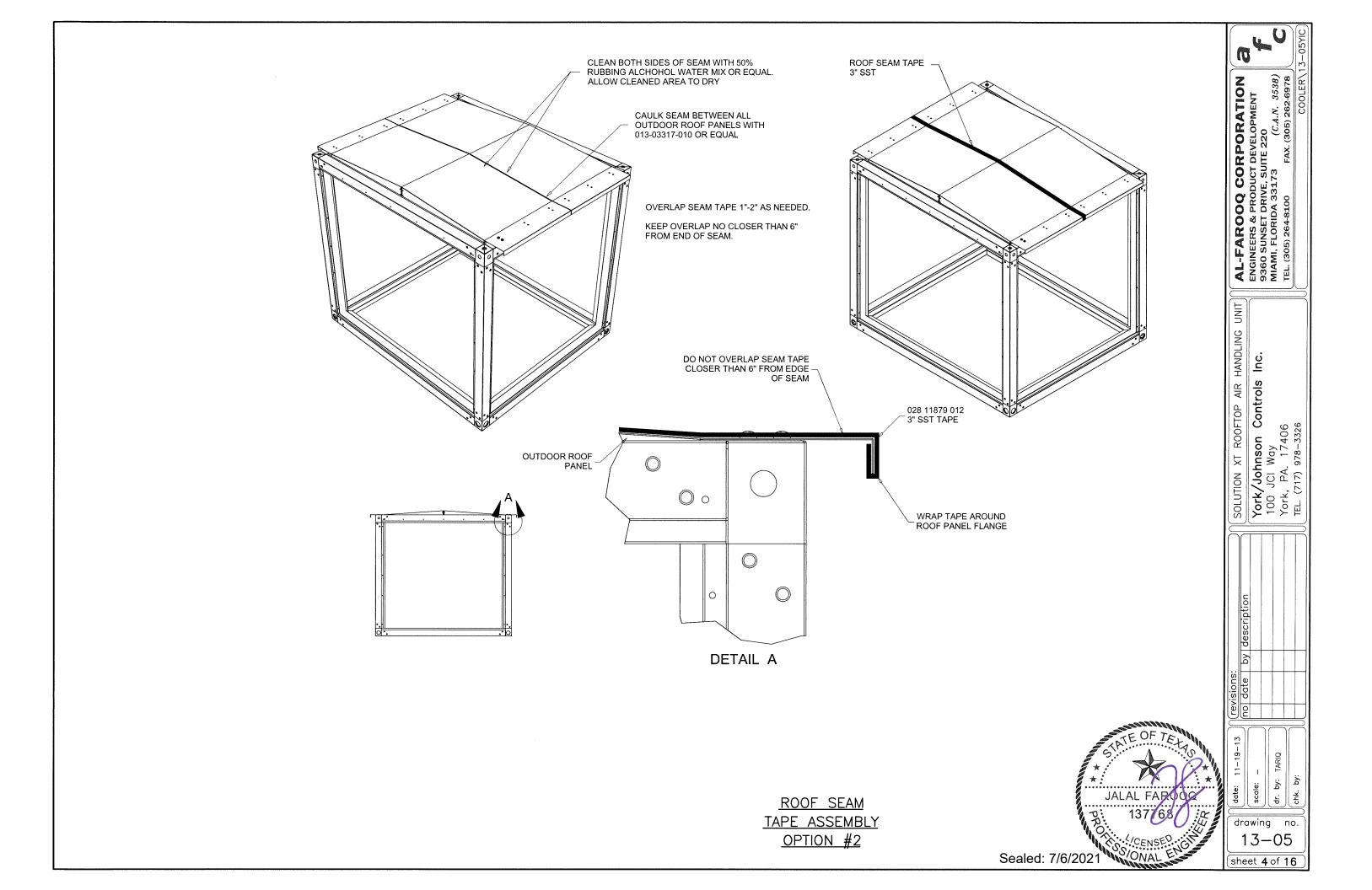
hardware (8) - 2 Screws
6) Attach End Raceway (4) to corner connector (7) using hardware (8) - 2 Screws

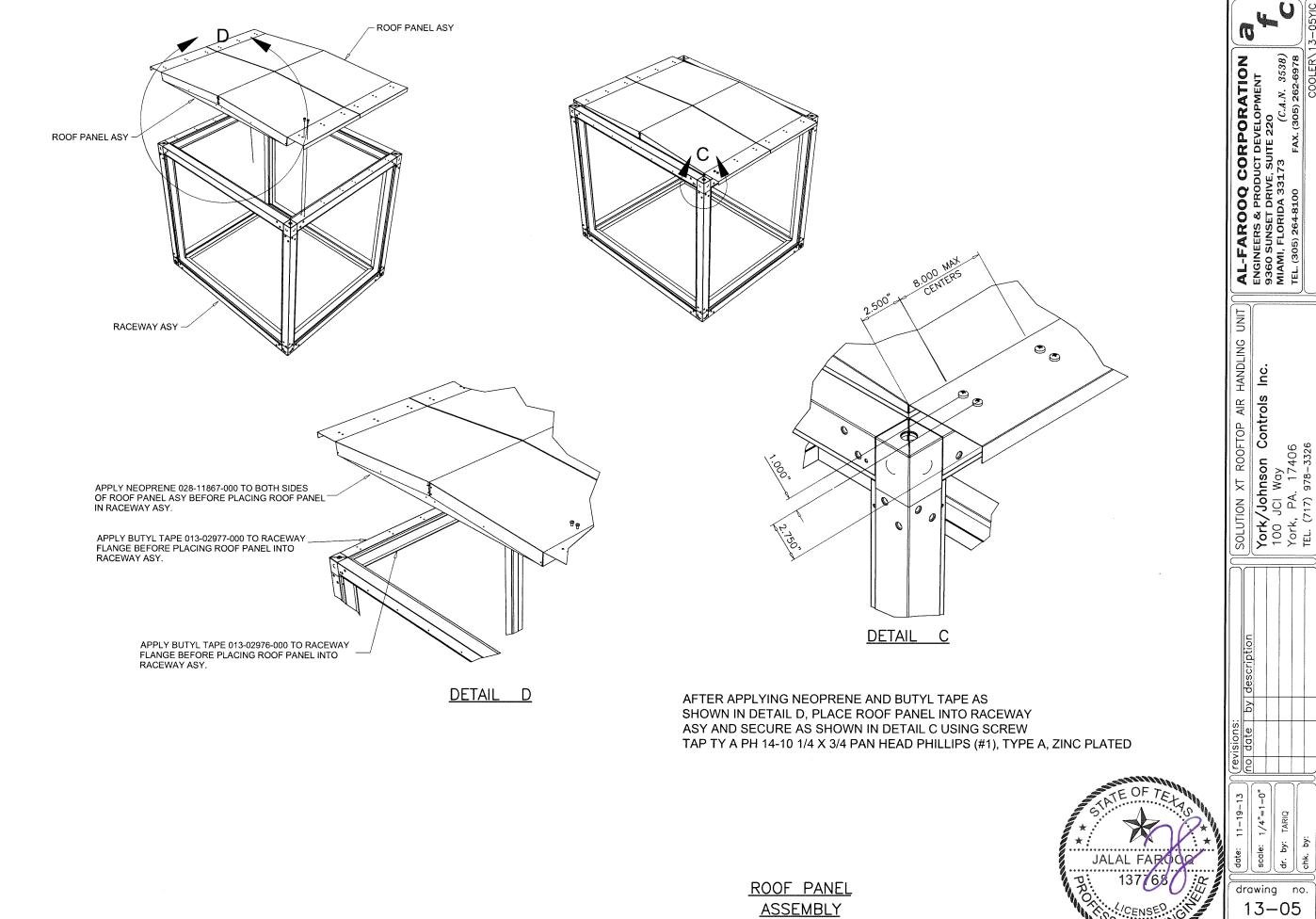
Three other corners are attached in the same manner.

	Parts List					
ITEM	QTY	DESCRIPTION				
1	1	Vertical Raceway				
2	1	FIA Bottom Raceway				
3	1	FIA Top Raceway				
4	1	End Top Raceway				
5	1	End Bottom Raceway				
6	1	Bottom Corner Assembly				
7	1	Top Corner Assembly				
8	6	Screw, hex socket button head 3/8-16 x 3/4" zinc plated				



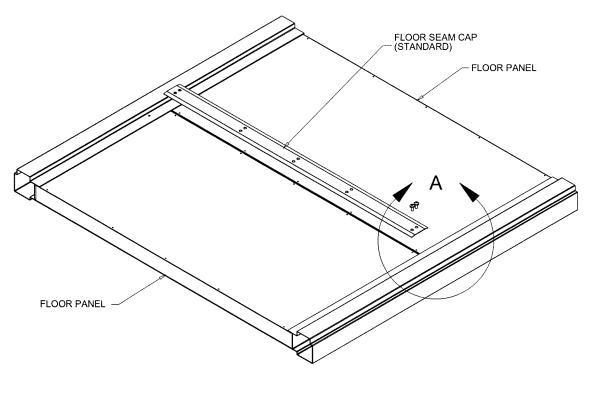


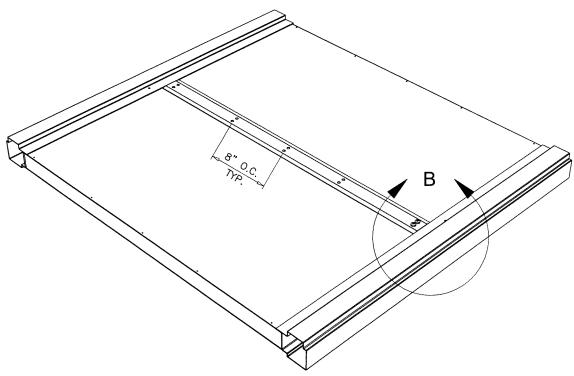


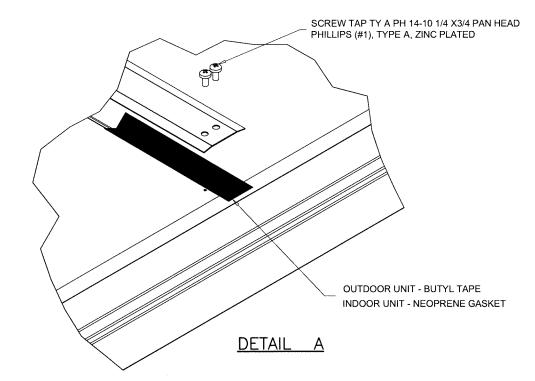


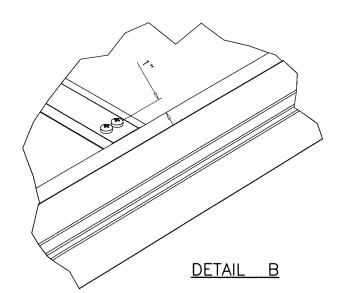
VAL Sheet 5 of 16

Sealed: 7/6/2021



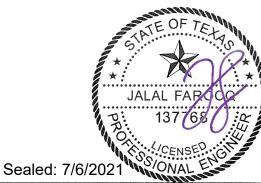






STANDARD FLOOR PANEL SEAM CAP ASY APPLY GASKET / BUTYL TAPE ALONG FLOOR PANEL SEAM BEFORE SECURING FLOOR PANEL SEAM CAP WITH SCREWS LISTED IN DETAIL A.

> FLOOR SEAM CAP MOUNTING DETAIL OPTION #1



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SOLUTION XT ROOFTOP AIR HANDLING UNIT

York/Johnson Controls Inc.

100 JCI Way

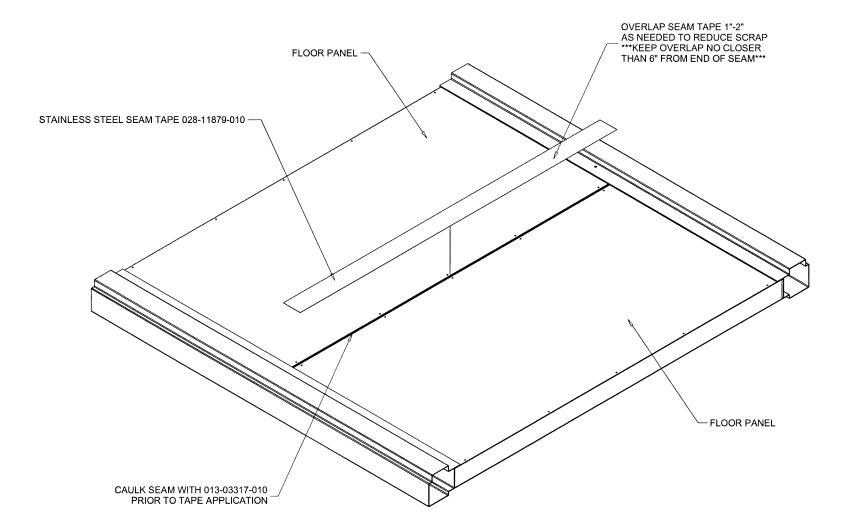
York, PA. 17406

TEL. (717) 978–3326

by description

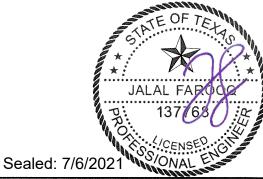
drawing no.

13-05 sheet 6 of 16



STANDARD FLOOR PANEL SEAM TAPE APPLICATION THIS APPLIES FOR BOTH XTI & XTO UNITS. CLEAN BOTH SIDES OF SEAM WITH 50% RUBBING ALCHOHOL WATER MIX OR EQUAL. ALLOW TO DRY. CAULK ALONG FLOOR PANEL SEAM. APPLY SEAM TAPE EVENLY ALONG ENTIRE FLOOR PANEL SEAM.

FLOOR SEAM TAPE ASSEMBLY
OPTION #2



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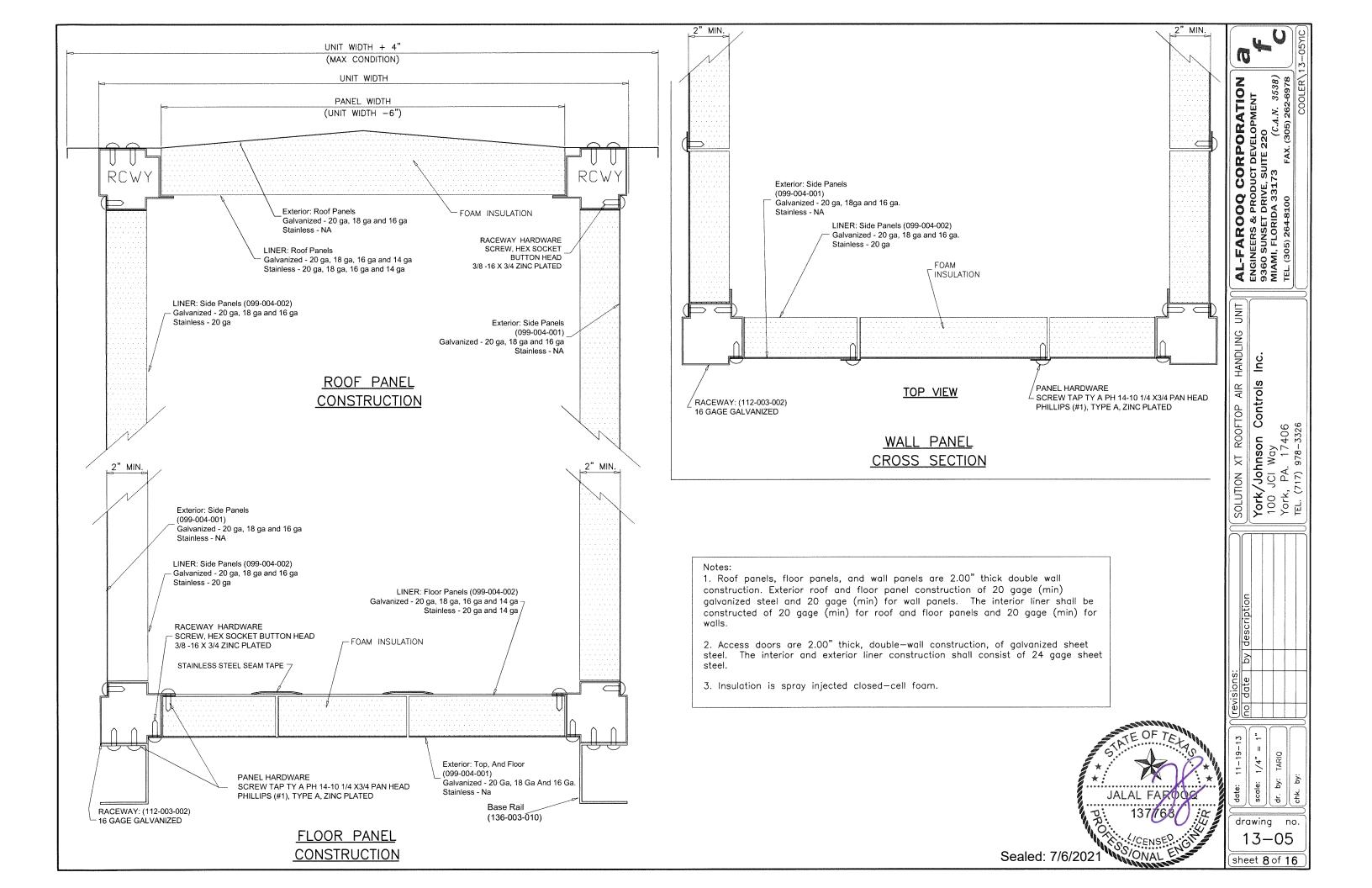
SOLUTION XT ROOFTOP AIR HANDLING UNIT

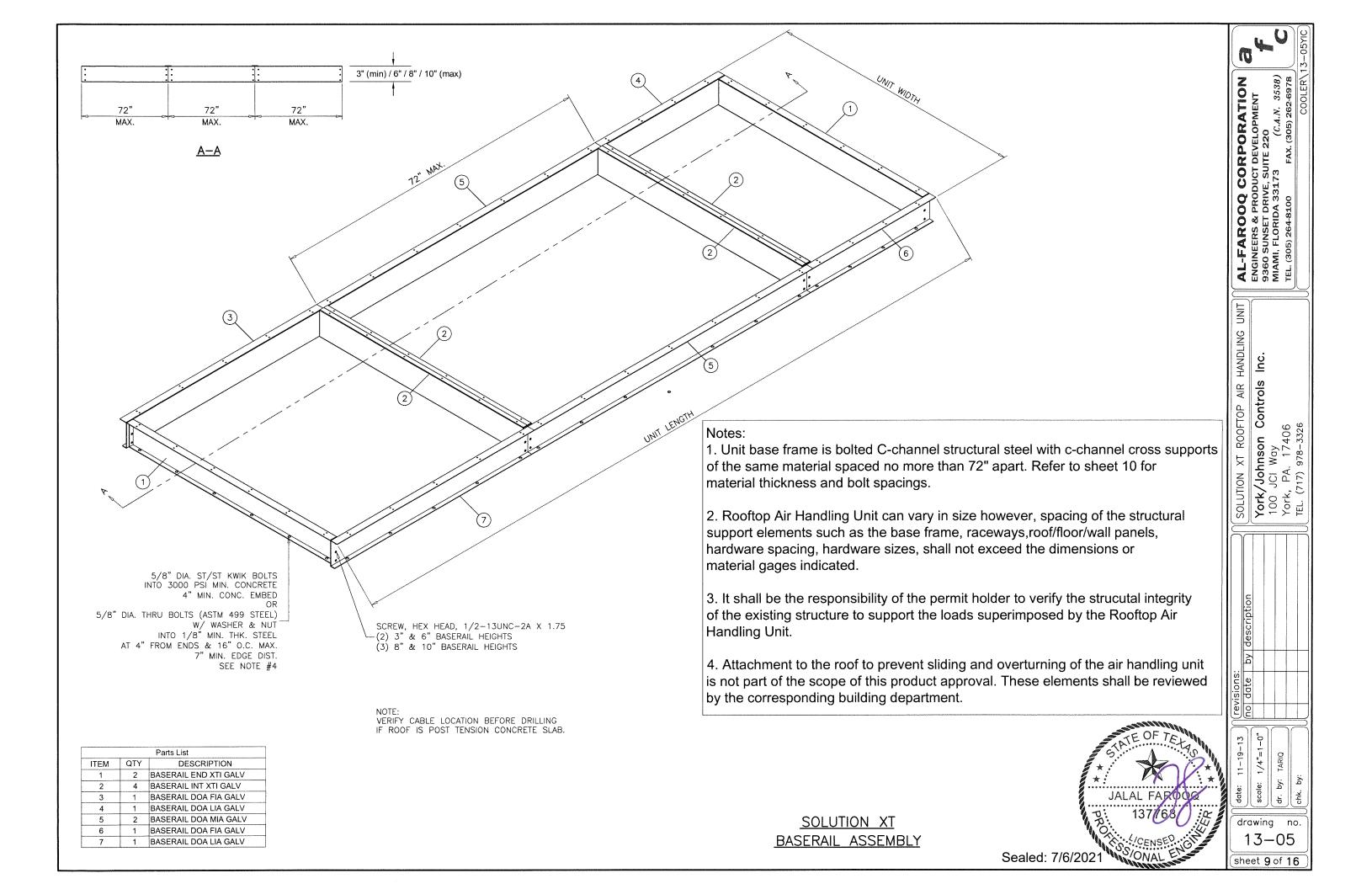
York/Johnson Controls Inc. 100 JCI Way York, PA. 17406 TEL. (717) 978–3326

by description

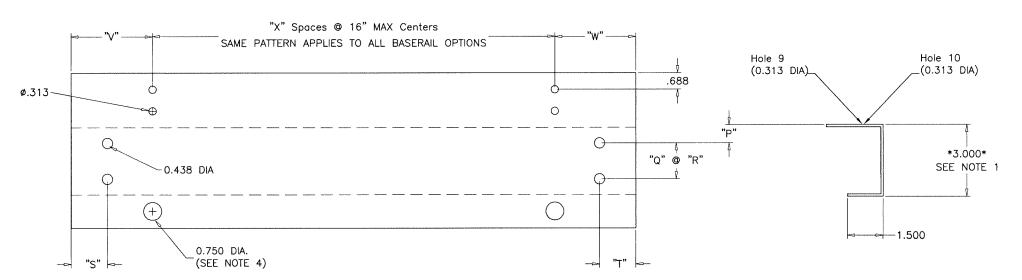
dr. by: TARIQ chk. by:

drawing no. 13-05 sheet 7 of 16





FORMED TOP VIEW



FLAT VIEW

FORMED SIDE VIEW

5/8" DIA. HOLES USED WITH 1/4" SCREWS TO ATTACH BASERAIL TO UNIT RACEWAY. 3/4" DIA. HOLES USED WITH 5/8" BOLTS TO ATTACH BASERAIL TO DUNAGE STEEL OR CONC. SLAB. SEE SHEET 11 FOR BASERAIL USED FOR ROOF CURB. SEE NOTE # 4 BELOW.

NOTES:

- 1) BASERAIL OPTION HEIGHTS 3",6",8",10"
- 2) HOLE SPACING BETWEEN FIRST AND LAST WILL VARY UPON BASERAIL LENGTH BUT CENTERS WILL NOT EXCEED 16" AS INDICATED BY "X" SPACES.
- 3) BASERAIL GAGES AS FOLLOWS -3" = 12 GAGE GALV

6" = 10 GAGE GALV

8" = 10 GAGE GALV

10" = 8 GAGE GALV

4) 0.75" DIA. BASERAIL BOLT HOLE SHALL BE USE FOR ATTACHMENT TO THE ROOF TO PREVENT SLIDING AND OVERTURNING OF THE AIR HANDLING UNIT IS NOT PART OF THE SCOPE OF THIS PRODUCT APPROVAL. THESE ATTACHMENT DETAILS SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT.

	Baserail Height	"P"	"Q" SPACES	"R"	BASERAIL LOCATION	"S"	"T"	"V"	"W"
	3	.875	1	1.250	LIA	.941	1.781	3.153	5.403
	6	1.657	1	2.687	MIA	.941	.941	3.153	3.153
Ì	8	1.657	2	2.687	FIA	1.781	.941	5.403	3.153
	10	1.657	2	2.687	FULL	1.781	1.781	5.403	5.403

BASERAIL DIMENSIONS



UNIT ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 (C.A.N. 3538)

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SOLUTION XT ROOFTOP AIR HANDLING

York, Johnson Controls Inc.

100 JCI Way

York, PA. 17406

TEL. (717) 978-3326

revisions:

date: 11–19–13

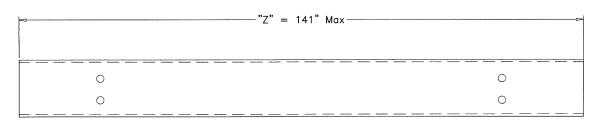
scale: 1/4" = 1"

dr. by: TARIQ

chk. by:

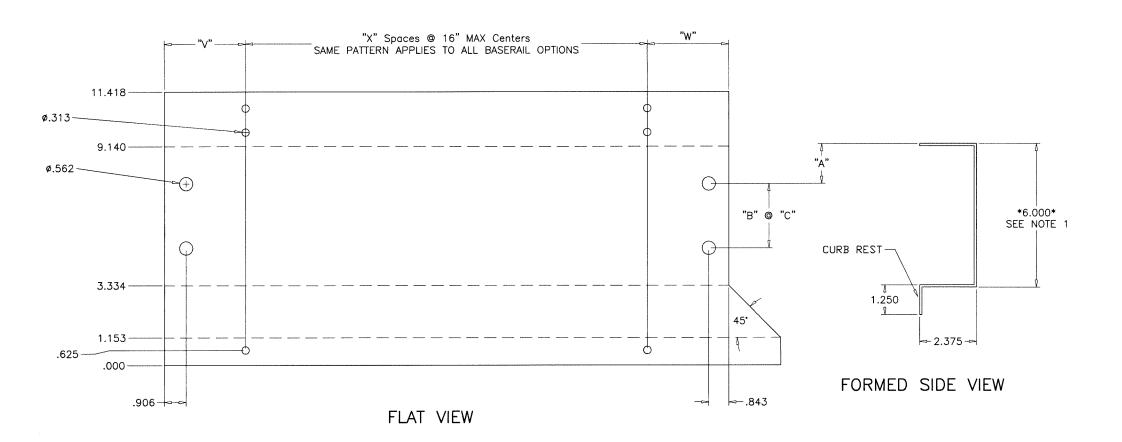
drawing no.

13-05 sheet 10 of 16



CALCULATION CHART AND DATA							
VERTICAL	VERTICAL HOLE DATA						
BASERAIL HEIGHT	"A"	"B" SPACES	"C"				
6"	1.657	1	2.687				
8"	1.657	2	2.687				
10"	1.657	2	2.687				

FORMED TOP VIEW



NOTES

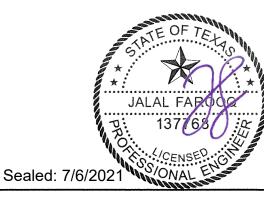
- 1) BASERAIL OPTION HEIGHTS 6",8",10"
- HOLE SPACING BETWEEN FIRST AND LAST WILL VARY UPON BASERAIL LENGTH BUT CENTERS WILL NOT EXCEED 16" AS INDICATED BY "X" SPACES.
- 3) BASERAIL GAGES AS FOLLOWS 6" = 10 GAGE GALV 8" = 10 GAGE GALV 10" = 8 GAGE GALV
- 4) 0.75" DIA. BASERAIL BOLT HOLE SHALL BE USE FOR ATTACHMENT TO THE ROOF TO PREVENT SLIDING AND OVERTURNING OF THE AIR HANDLING UNIT IS NOT PART OF SCOPE OF THIS PRODUCT APPROVAL. THESE ATTACHMENT DETAILS SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT.

Base	erail ation	"V"	"W"	"Z"	"X"
FIA	"C"	3.153	3.028	=SUM OF SECTION LENGTHS + 3.063 (<	(=141'') = ROUNDUP((Z-V-W)/16'')

ALTERNATE BASERAIL WITH CURB REST

DIMENSIONS

FOR USE WITH ROOF CURB



SOLUTION XT ROOFTOP AIR HANDLING

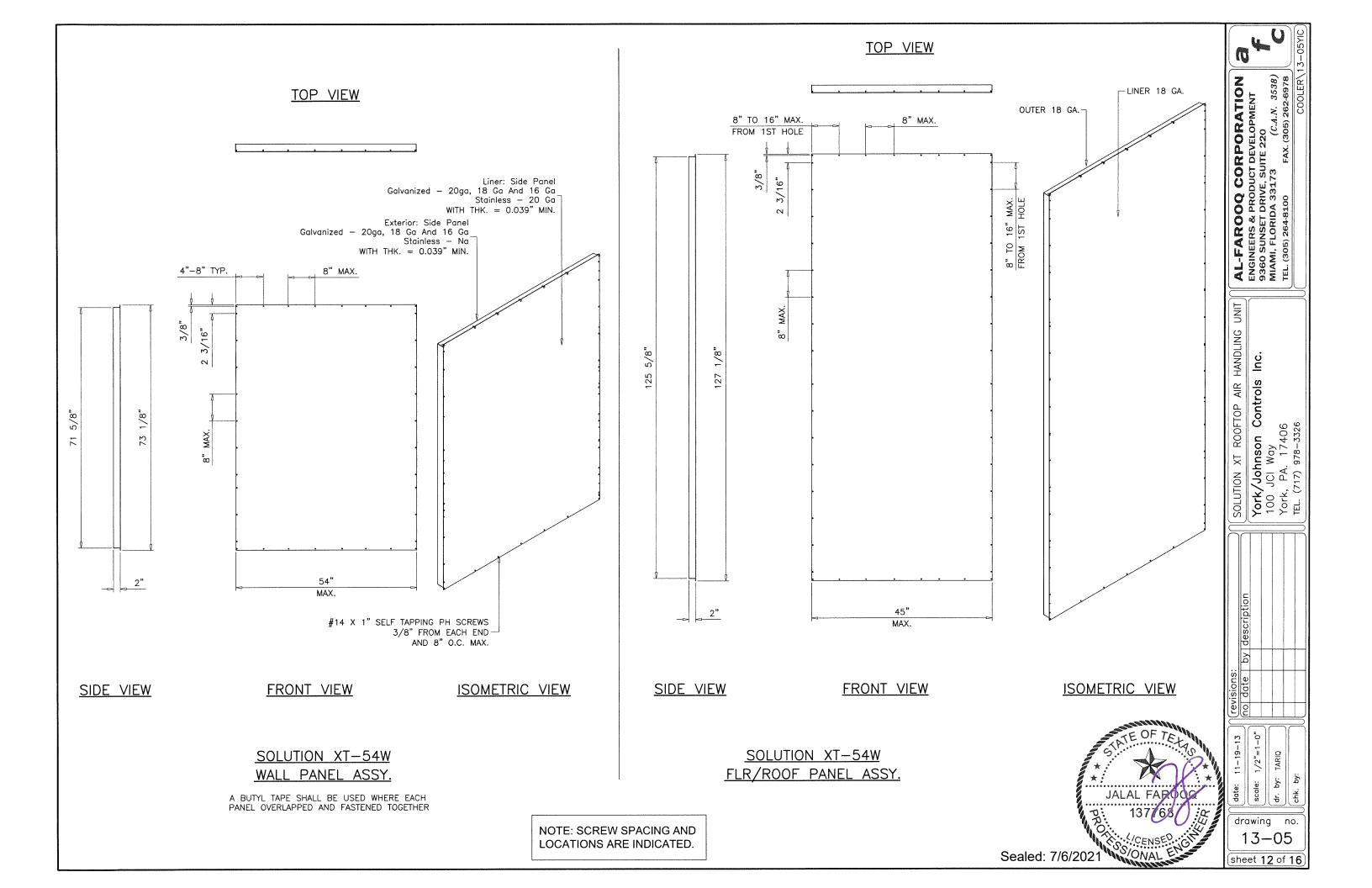
York/Johnson Controls Inc.
100 JCI Way

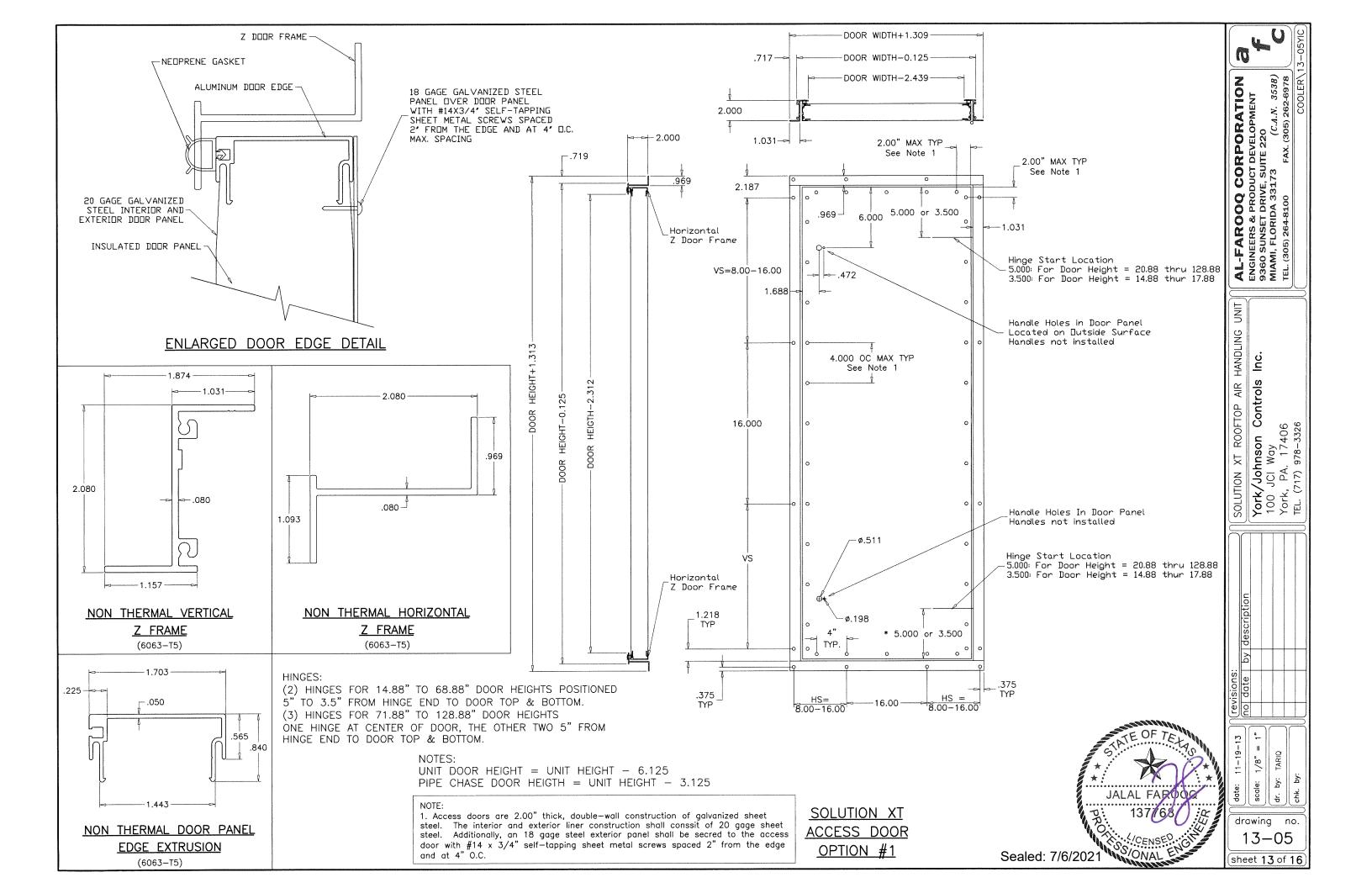
York, PA. 17406

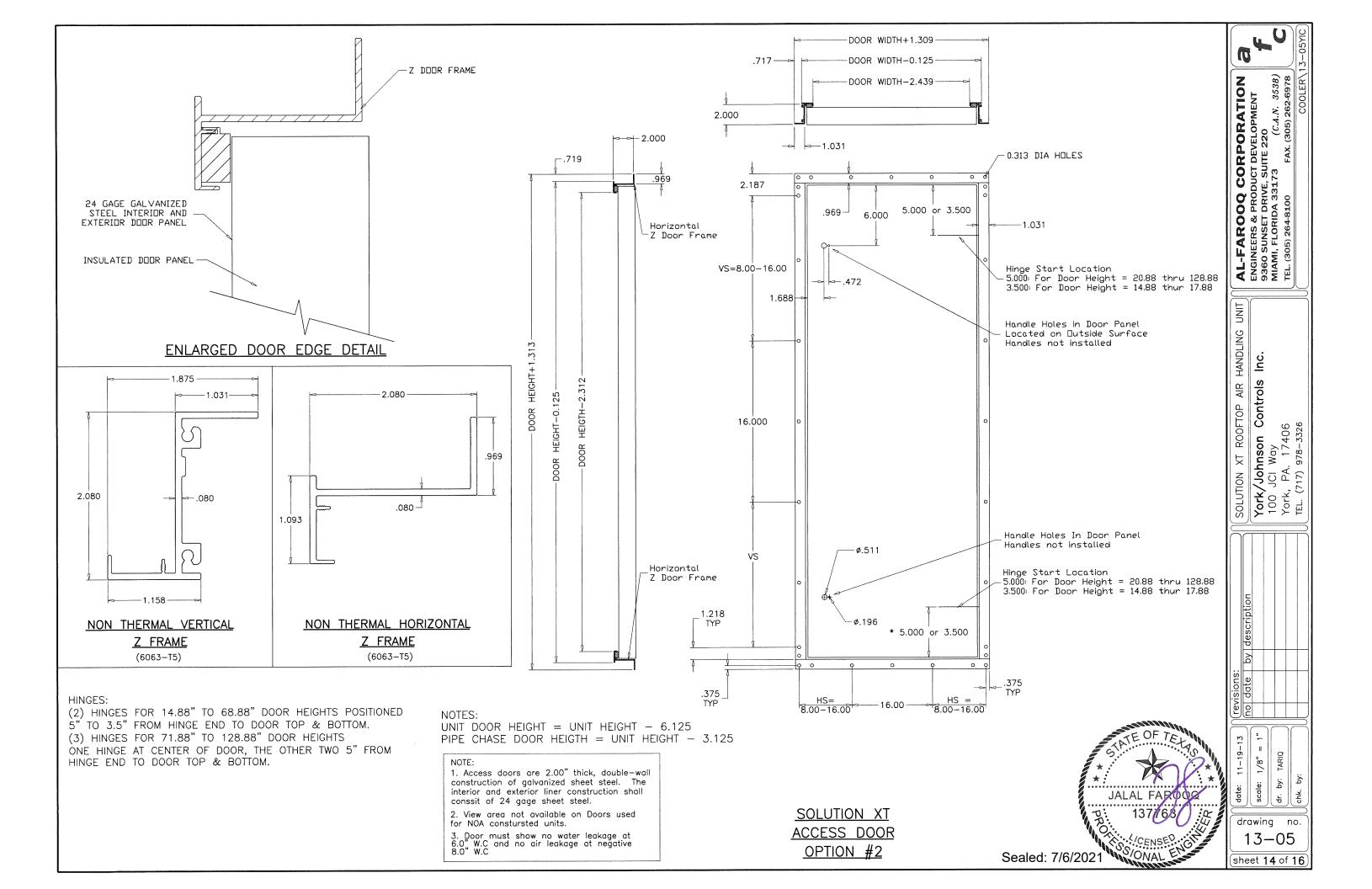
TEL. (717) 978–3326

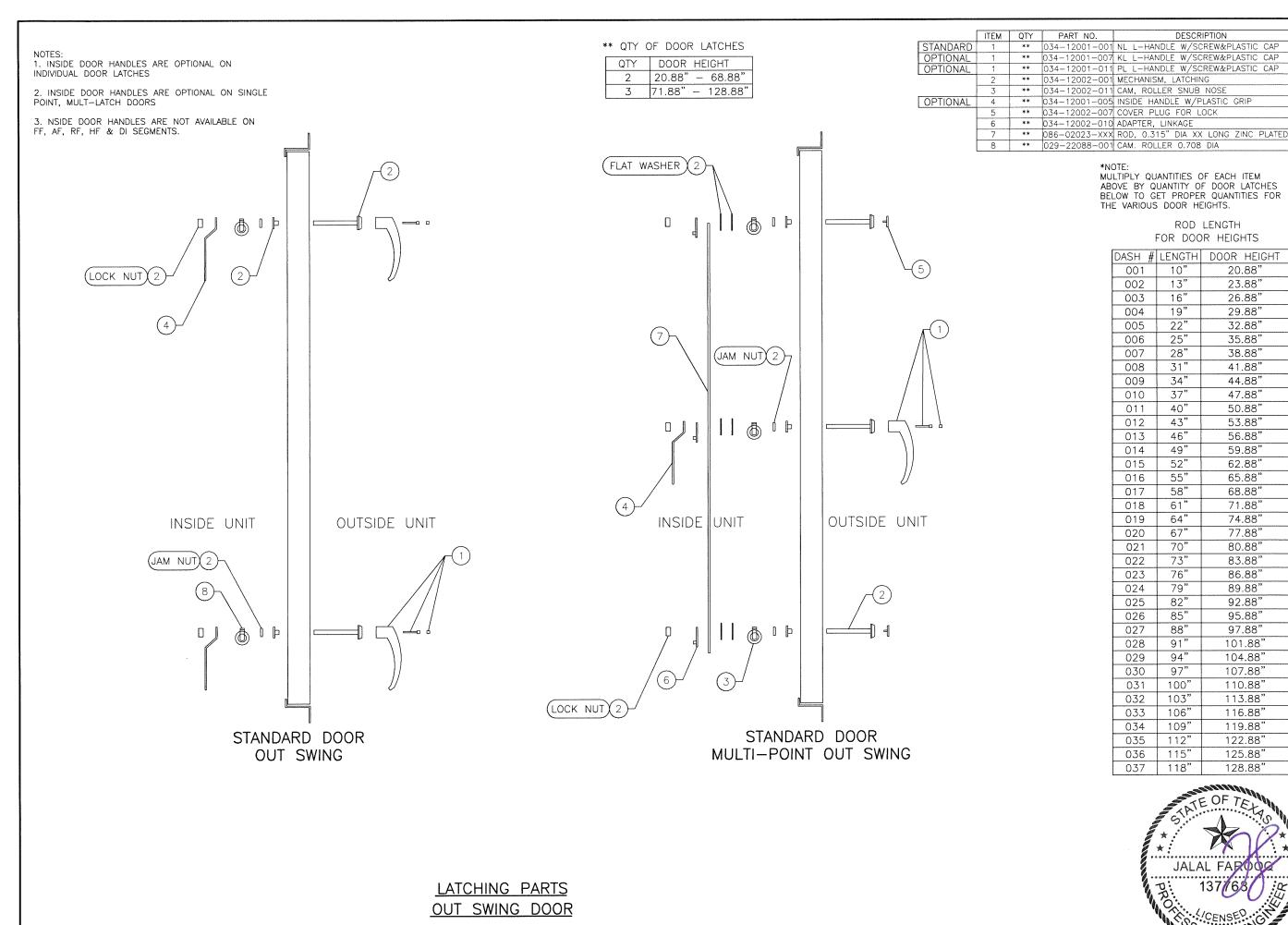
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sheet 11 of 16









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COOLER/13

HANDLING Пc. York/Johnson Controls II 100 JCI Way York, PA. 17406 TEL. (717) 978-3326 $\frac{\mathsf{AR}}{\mathsf{RR}}$ SOLUTION XT ROOFTOP

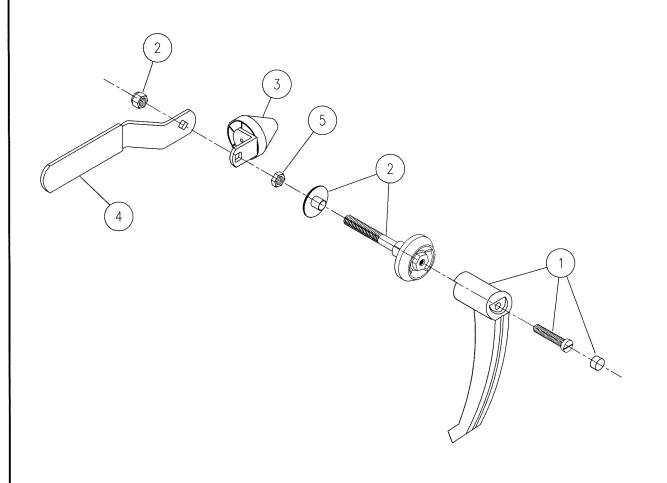
by description revisions: no date

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drawing no. 13-05

sheet **14.1** of **16**)

Sealed: 7/6/2021



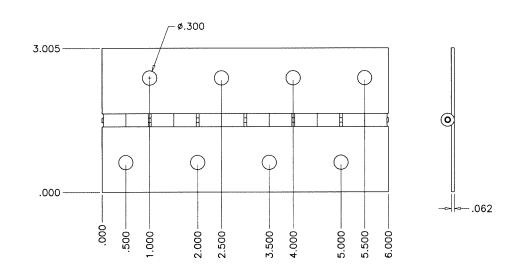
NOTES:

1. CLOCKWISE ROTATION IS SHOWN. MIRROR ASSY FOR COUNTER-CLOCKWISE ROTATION.

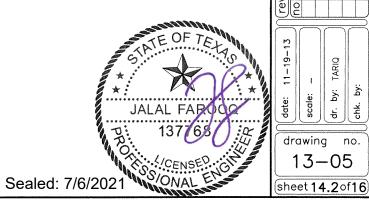
ITEM	PART NO.	DESCRIPTION	QTY/ ASSY	REF. DWG.
	391 20016 001	2" OS LATCH ASSY PLT		
1	029 23801 010	DOOR HANDLE 265076-00	1	
2	029 23801 012	DOOR LATCH HOUSING 265078-S50	1	
3	029 23801 013	DOOR ROLLER CAM 2321S07-R01	1	
4	029 23801 015	DOOR INSIDE HANDLE 265076-50	1	
5	021 30415 001	NUT,JAM,PLTD,.22THK,.38-16	1	

LATCH ASSEMBLY WITH PLATED FASTENERS OUT SWING DOOR

Material: 16 GA, #304 Stainless Steel



HINGE



 AL-FAROOQ CORPORATION

 ENGINEERS & PRODUCT DEVELOPMENT

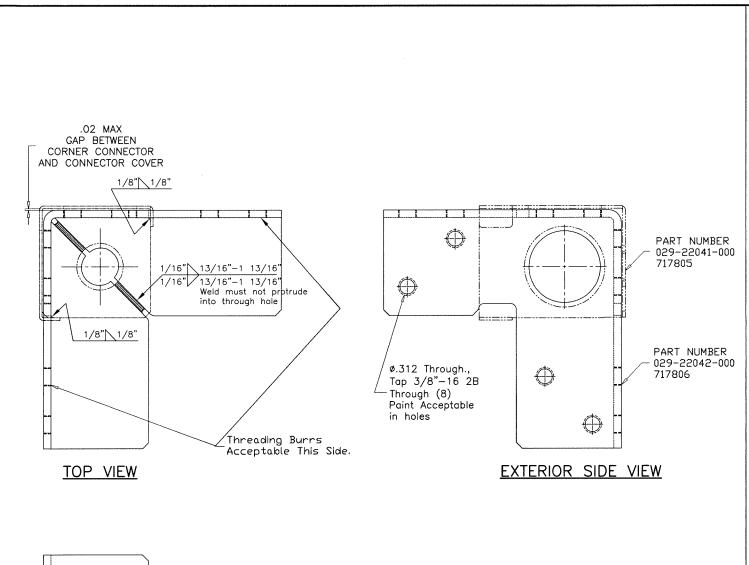
 9360 SUNSET DRIVE, SUITE 220

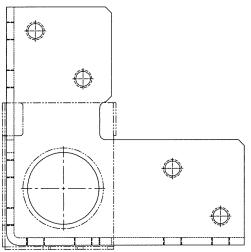
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drawing no. 13-05

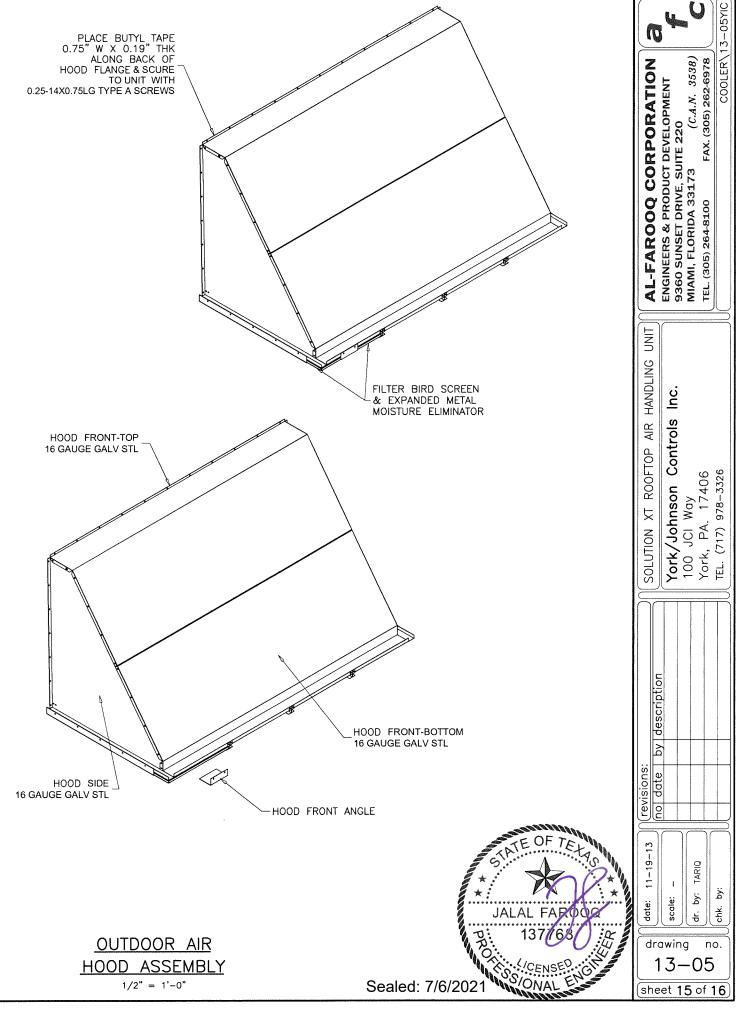




INTERIOR SIDE VIEW

Notes:

- 1) Gap can not accept 1/2" wide feeler stock.
- 2) Finish Annodized Silver Powder Coat Paint.
- 3) Sub-component dimensions are prior to paint.
- 4) 8 gage stamped and formed galvanized steel corner



CORNER CONNECTOR

DETAIL

1/2" = 1"

