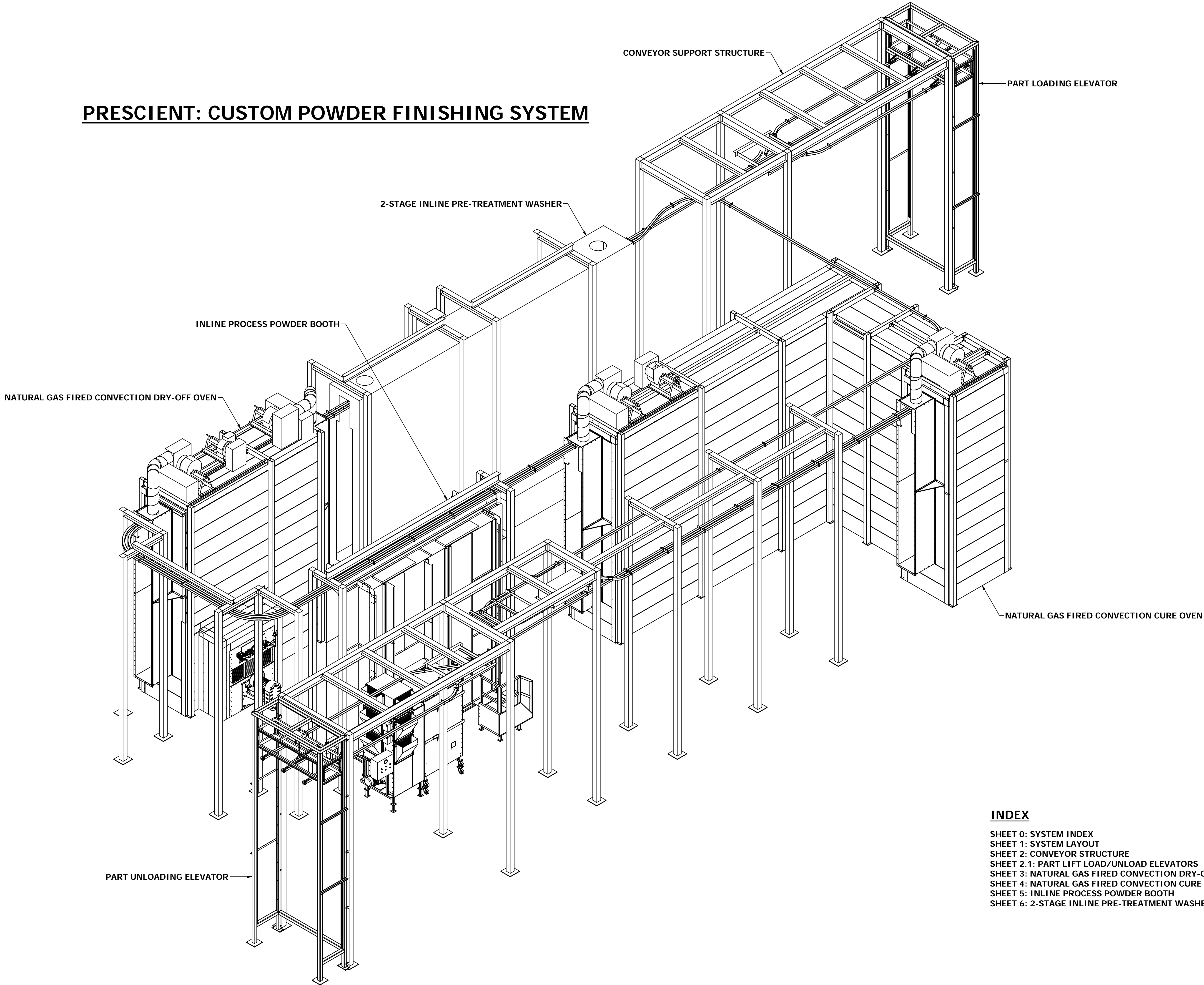


PRESCIENT: CUSTOM POWDER FINISHING SYSTEM



INDEX

- SHEET 0: SYSTEM INDEX
- SHEET 1: SYSTEM LAYOUT
- SHEET 2: CONVEYOR STRUCTURE
- SHEET 2.1: PART LIFT LOAD/UNLOAD ELEVATORS
- SHEET 3: NATURAL GAS FIRED CONVECTION DRY-OFF OVEN
- SHEET 4: NATURAL GAS FIRED CONVECTION CURE OVEN
- SHEET 5: INLINE PROCESS POWDER BOOTH
- SHEET 6: 2-STAGE INLINE PRE-TREATMENT WASHER

ROHNER MECHANICAL, INC.  
10000 ROHNER DRIVE  
26500 SW 10TH AVE  
SUITE 102  
VANCOUVER, WA 98661  
(360) 885-7441 VOICE  
(360) 885-7441 FAX  
WA LIC # R000000015H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



A CUSTOM POWDER FINISHING SYSTEM FOR:  
**PRESCIENT**  
3500 INDUSTRIAL DRIVE  
DURHAM, NC 27704

DRAWN BY: RDC  
CHECKED BY: DGR

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ISSUED DATE: 10-7-2016  
REV: 16.0 / 10-7-2016  
DESCRIPTION OF CHANGE(S):  
APPROVAL DRAWING  
INITIAL RELEASE

DRAWING TITLE:  
SYSTEM INDEX  
ISOMETRIC  
DRAWING

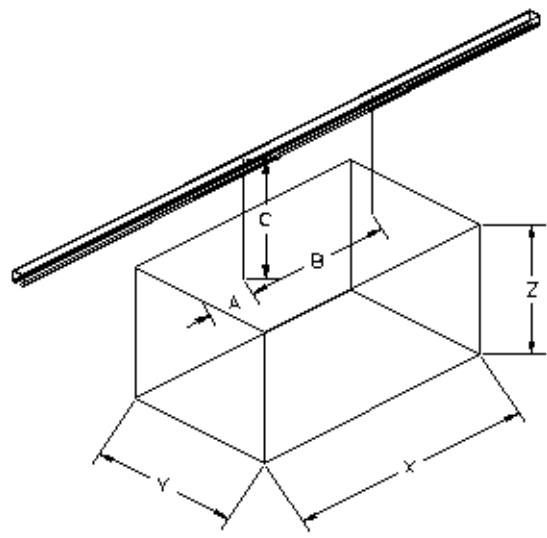
JOB NO: R2016151  
EQUIP. NO:  
SYSTEM INDEX  
SHEET NO:



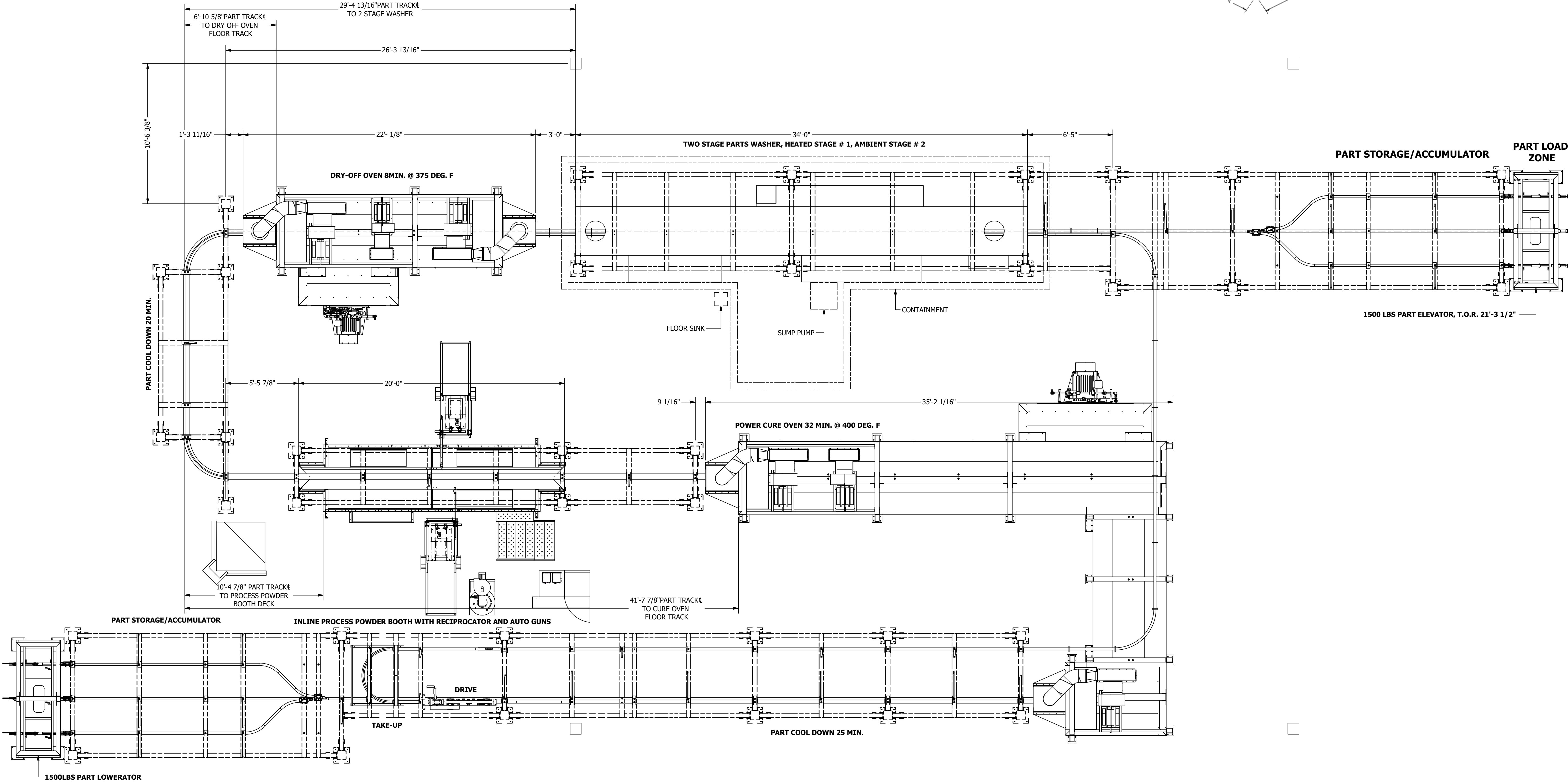
ROHNER CUSTOM POWDER PRIME LINE

- (1) EA. 2-STAGE INLINE PRE-TREATMENT WASHER
- (1) EA. NG FIRED CONVECTION DRY-OFF OVEN
- (1) EA. INLINE PROCESS POWDER BOOTH
- (1) EA. AUTO POWDER GUN PACKAGE WITH RECIPROCATORS, ROTARY SIEVE AND HOPPER
- (1) EA. NG FIRED CONVECTION CURE OVEN
- (1) INTEGRAL EQUIP. & FLOOR MOUNT CONVEYOR SUPPORT STRUCTURE.
- (1) EA. POWER AND FREE CONVEYOR SYSTEM

WARE PACKAGE: 12" W X 168" T X 12" L WITH 30" KEY, MAX LOAD: 500#, MAX LINEAR LOAD: 100 #/FT. DESIGN CAPACITY: 15,000/HR.



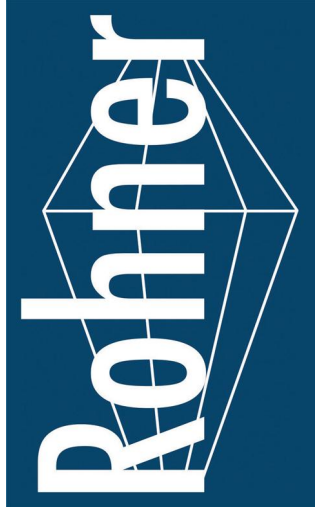
CONVEYOR	PART	WARE	PACKAGE
TAG	DIM. INCHES	NOTES	
A	6	Use dim A only for single hanger	
B		part hanger spacing	
C	30	Dim. from part to T.O.R.	
X	12	Part length parallel conveyor	
Y	12	Part width	
Z	168	Part height	



APPROVED FOR CONSTRUCTION

SYSTEM LAYOUT  
NOT TO SCALE

ROHNER MECHANICAL, INC.  
10000 ROHNER RD.  
26501 VANCOUVER, WA 98661  
SUITE 102  
(360) 885-7641 VOICE  
(360) 885-7641 FAX  
WA LIC # R000010151H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



A CUSTOM POWDER FINISHING SYSTEM FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: RDC  
CHECKED BY: DGR

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ISSUED DATE: 10-7-2016

REV: 16.2 / 12-12-2016

DESCRIPTION OF CHANGE(S):  
UPDATED PER  
RICHARDS-WILCOX  
CONVEYOR TRACK

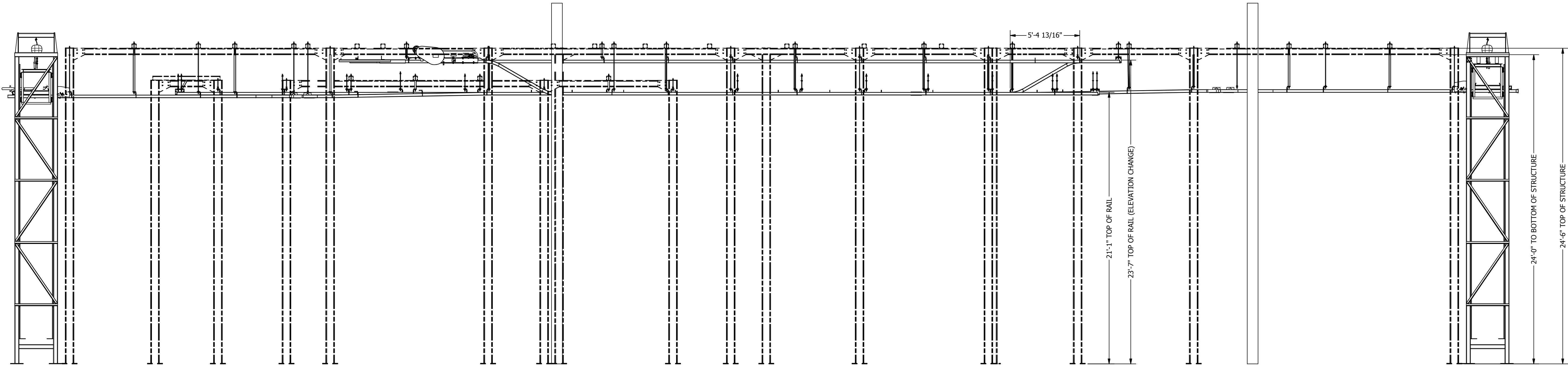
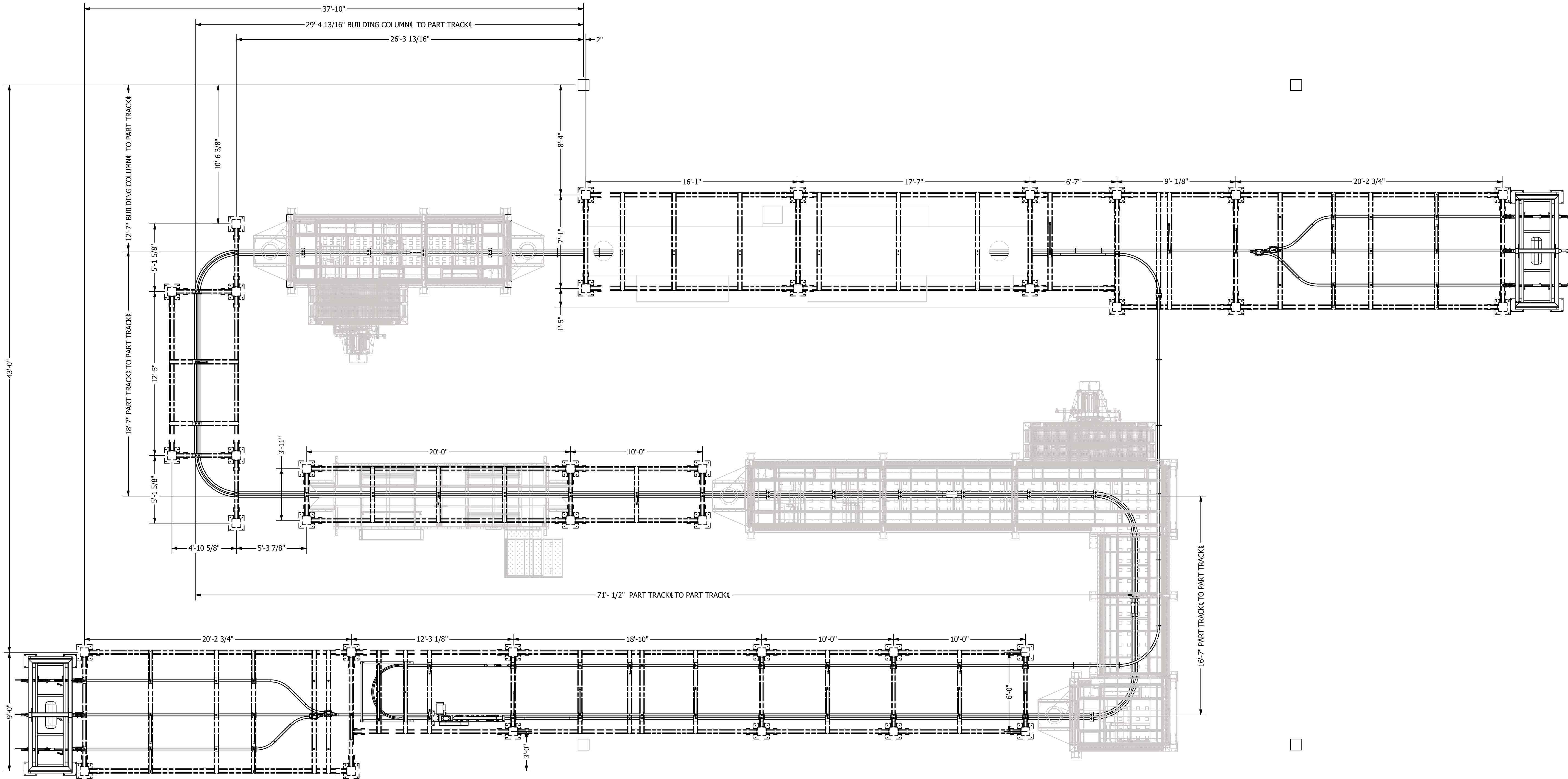
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SYSTEM LAYOUT  
ISOMETRIC  
DRAWING

JOB NO:  
R2016151

EQUIP. NO:  
SYSTEM LAYOUT

SHEET NO:

1



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10000 ROHNER DRIVE  
26500 E. ANDERSEN RD.  
SUITE 102  
VANCOUVER, WA 98661  
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CA# 792654  
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A INDUSTRIAL CONVEYORIZED POWDER SYSTEM FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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ISSUED DATE: 3/24/17

REV: 17.1 - 3/24/17  
DESCRIPTION OF CHANGE(S):  
CONSTRUCTION SET

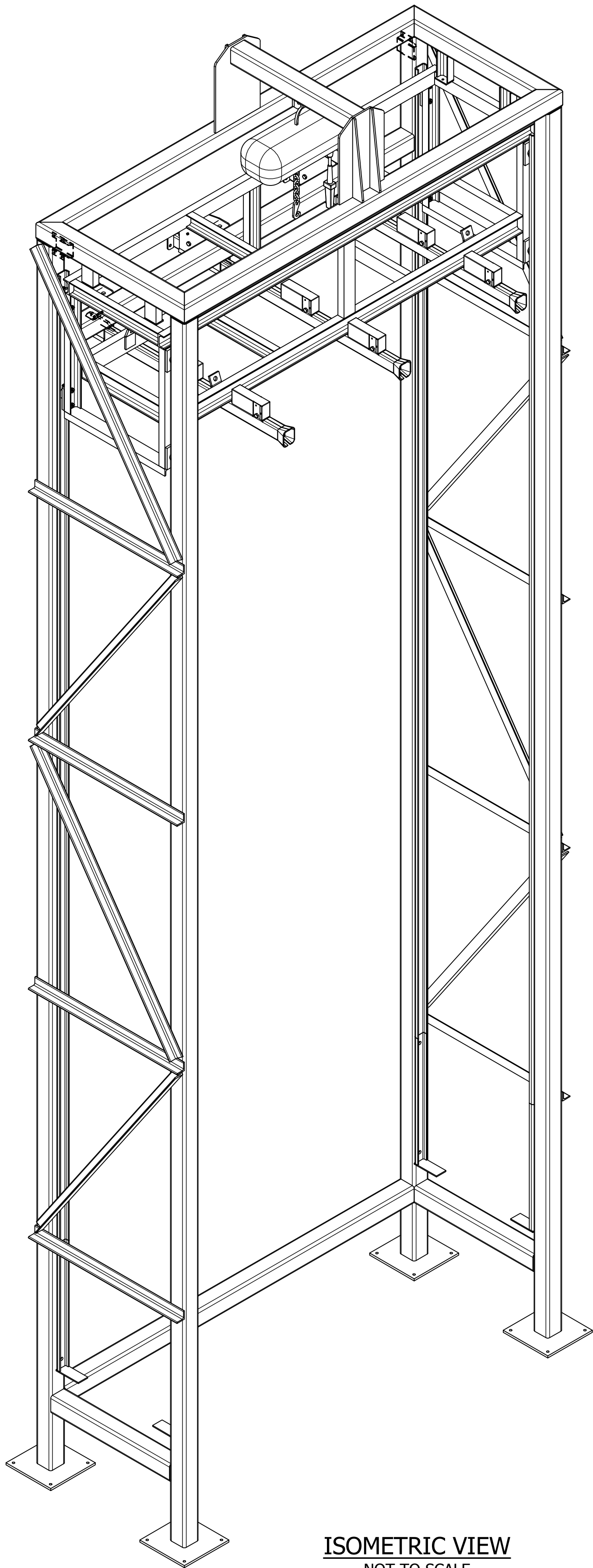
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ISOMETRIC  
ASSEMBLY  
DRAWING

JOB NO:  
R2016151

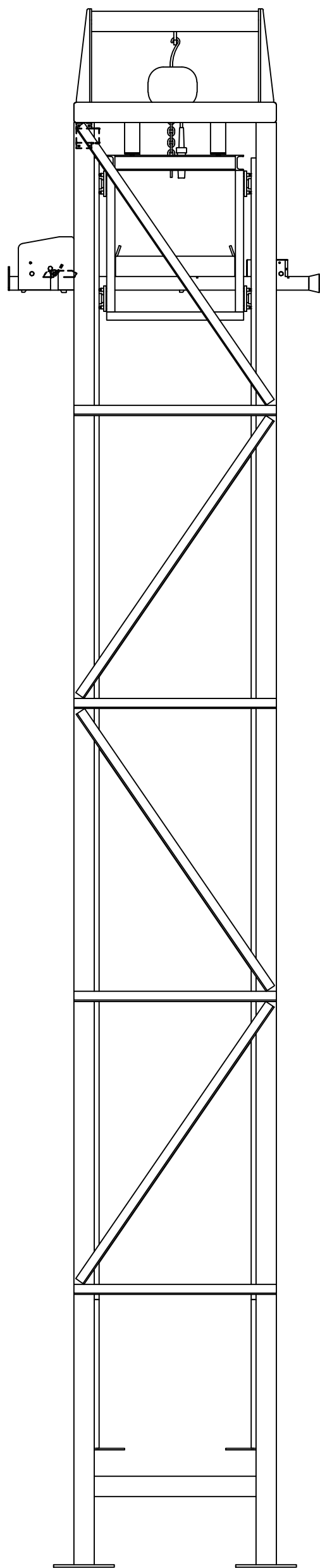
EQUIP. NO:  
Conveyor and Structure

SHEET NO:

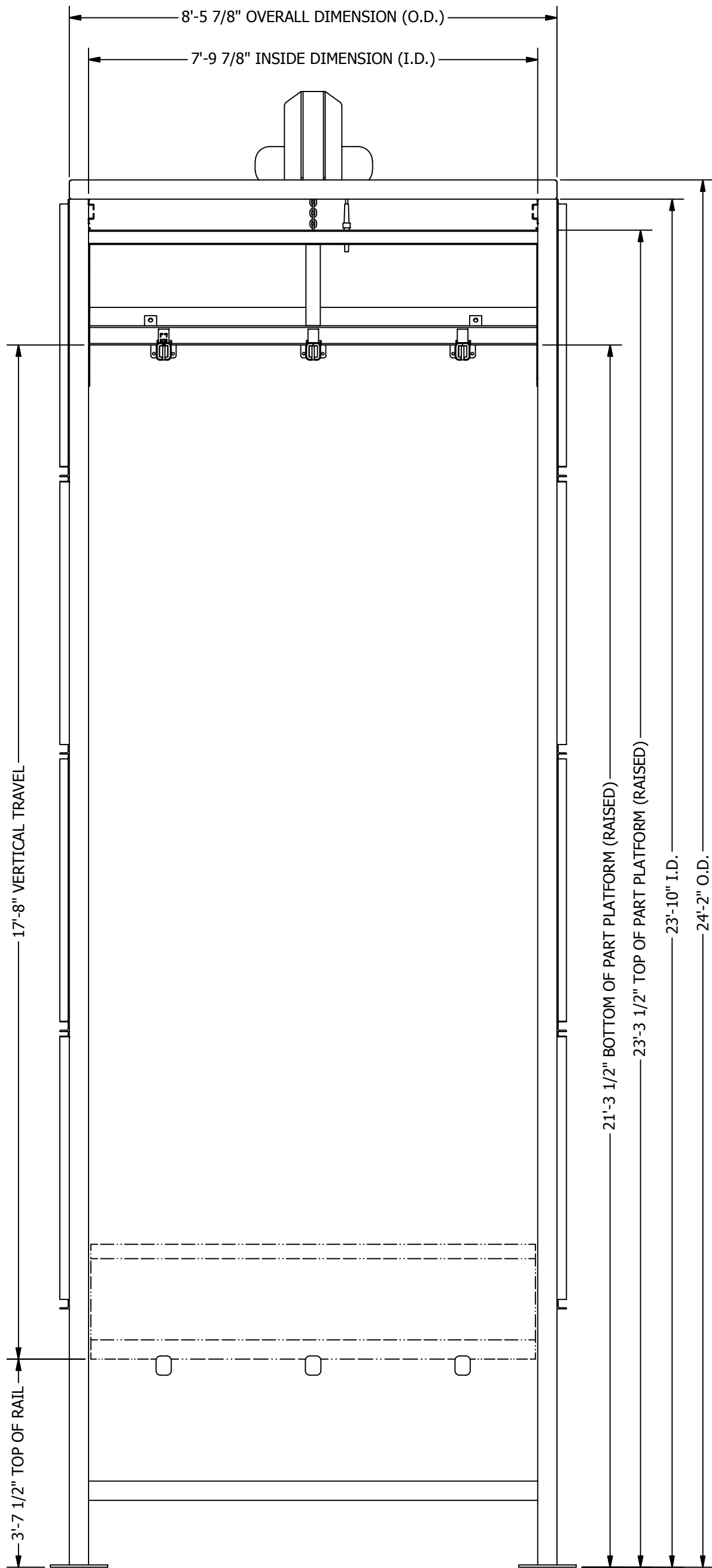




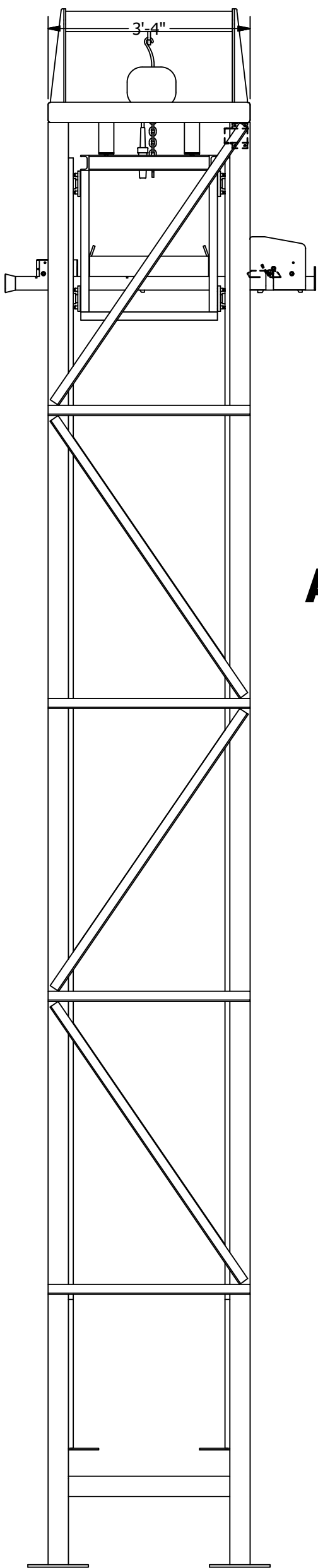
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NOT TO SCALE



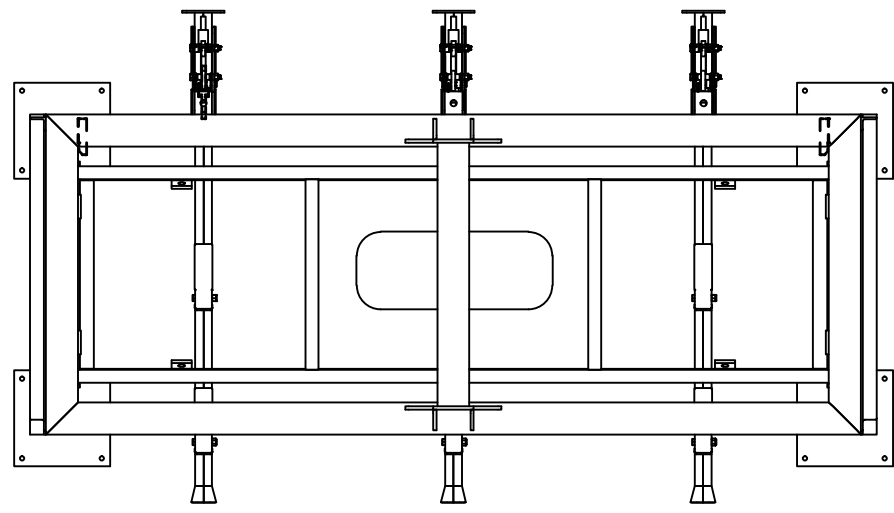
LEFT VIEW  
1/2" = 1'-0"



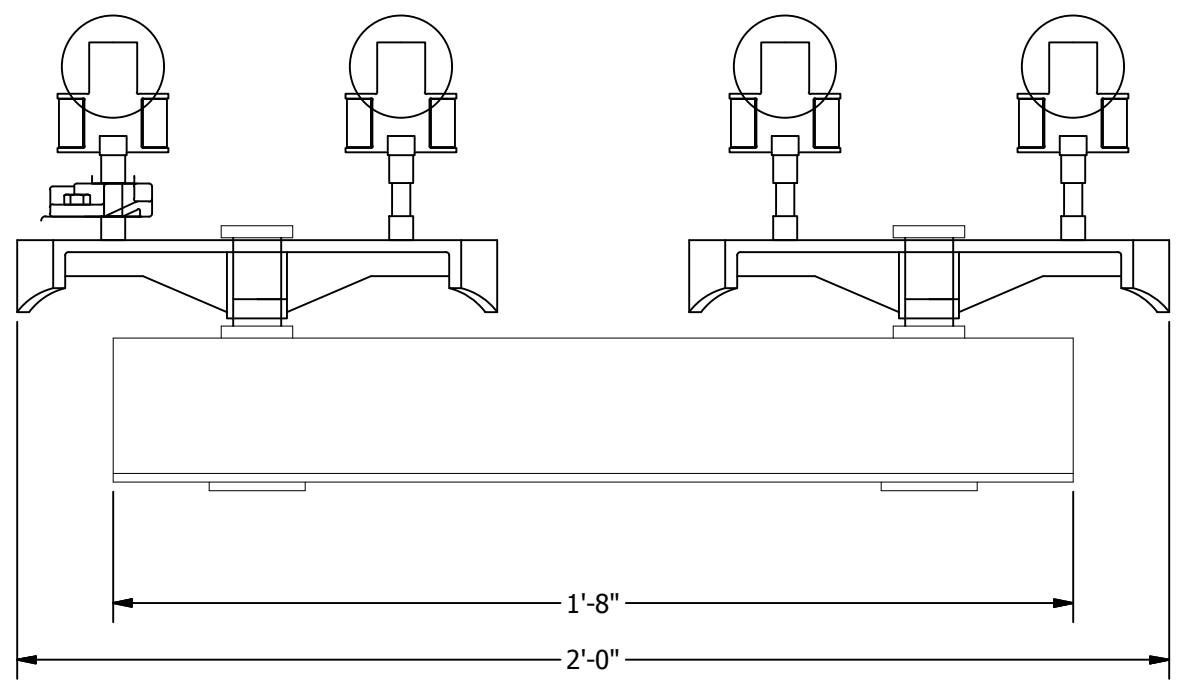
REAR VIEW  
1/2" = 1'-0"



RIGHT VIEW  
1/2" = 1'-0"



PLAN VIEW  
1/2" = 1'-0"



LOAD BAR DETAIL  
DO NOT SCALE

- GENERAL NOTES:**
- (2) PART LIFT/LOWER ELEVATOR ASSEMBLIES  
RATED @ 3X 500 LBS EACH.
  - (100) LOAD BAR ASSEMBLIES RATED @ 500 LBS EACH.
  - (2) HARRINGTON ELECTRIC CHAIN HOIST:
    - CAPACITY: 1 TON
    - LIFT SPEED: 28/4.5 2-STEP VARIABLE VFD
    - SMART LIMIT EQUIPED
    - VOLTAGE: 440v-480v-3Ph-60Hz

APPROVED FOR CONSTRUCTION

A 1 TON RAISE / LOWER PART LIFT ELEVATOR FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: RDC  
CHECKED BY: DGR

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DESCRIPTION OF CHANGE(S):  
APPROVAL DRAWING  
INITIAL RELEASE

DRAWING TITLE:  
1 TON PART  
LIFT ELEVATOR  
ISOMETRIC  
DRAWING

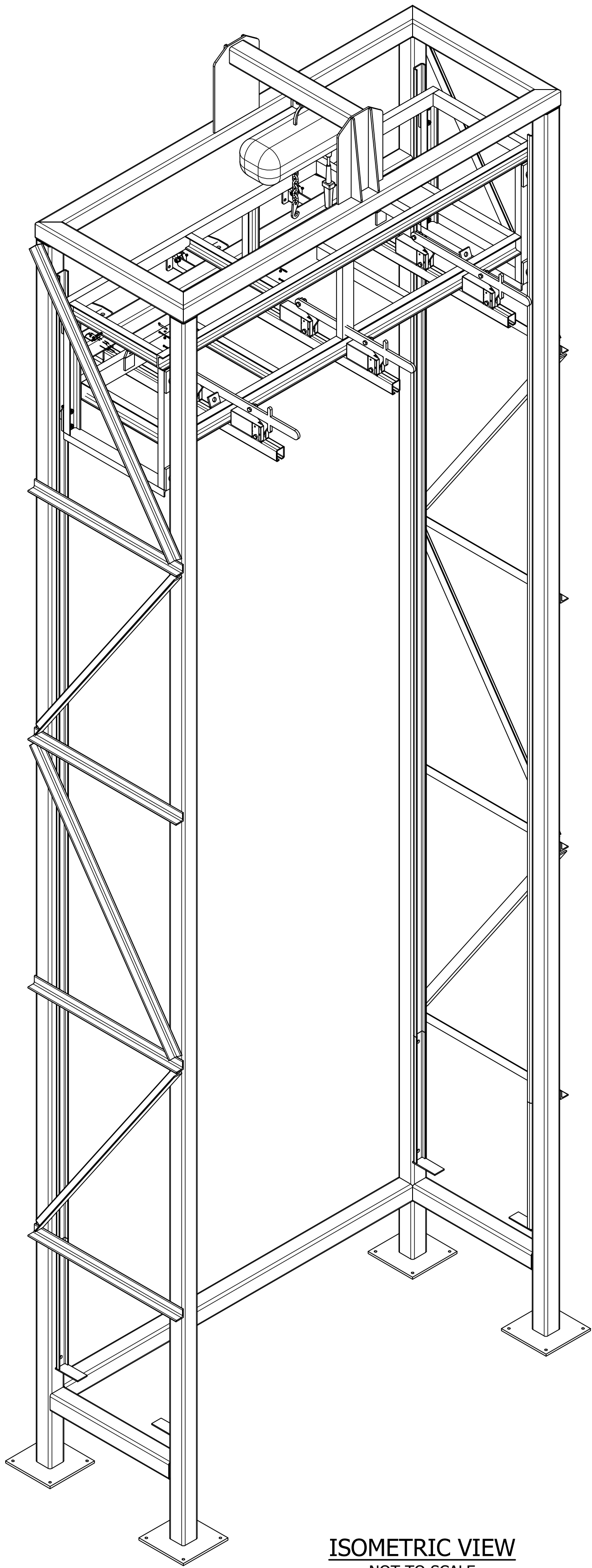
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R2016151  
EQUIP. NO:  
1 TON PART LIFT ELEVATOR  
SHEET NO:

2.1

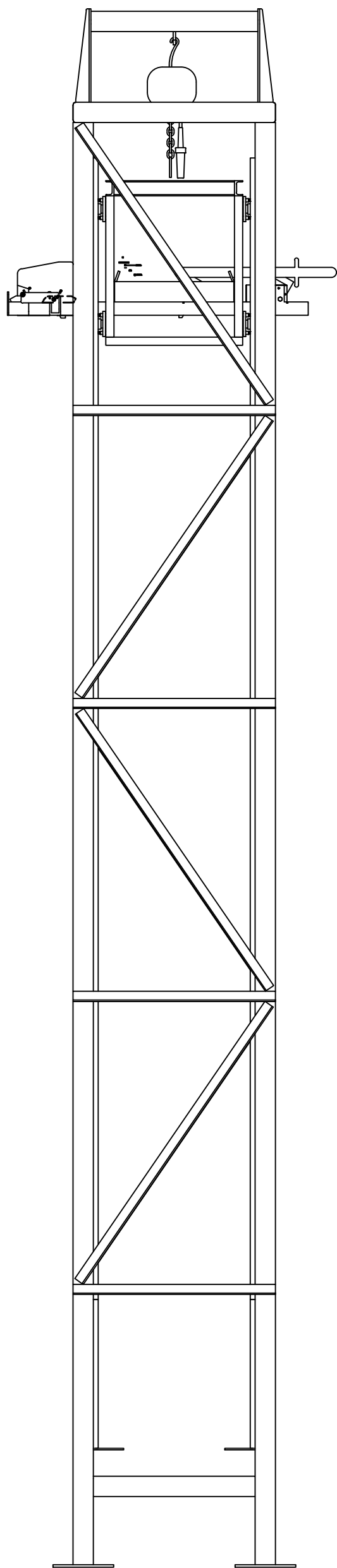
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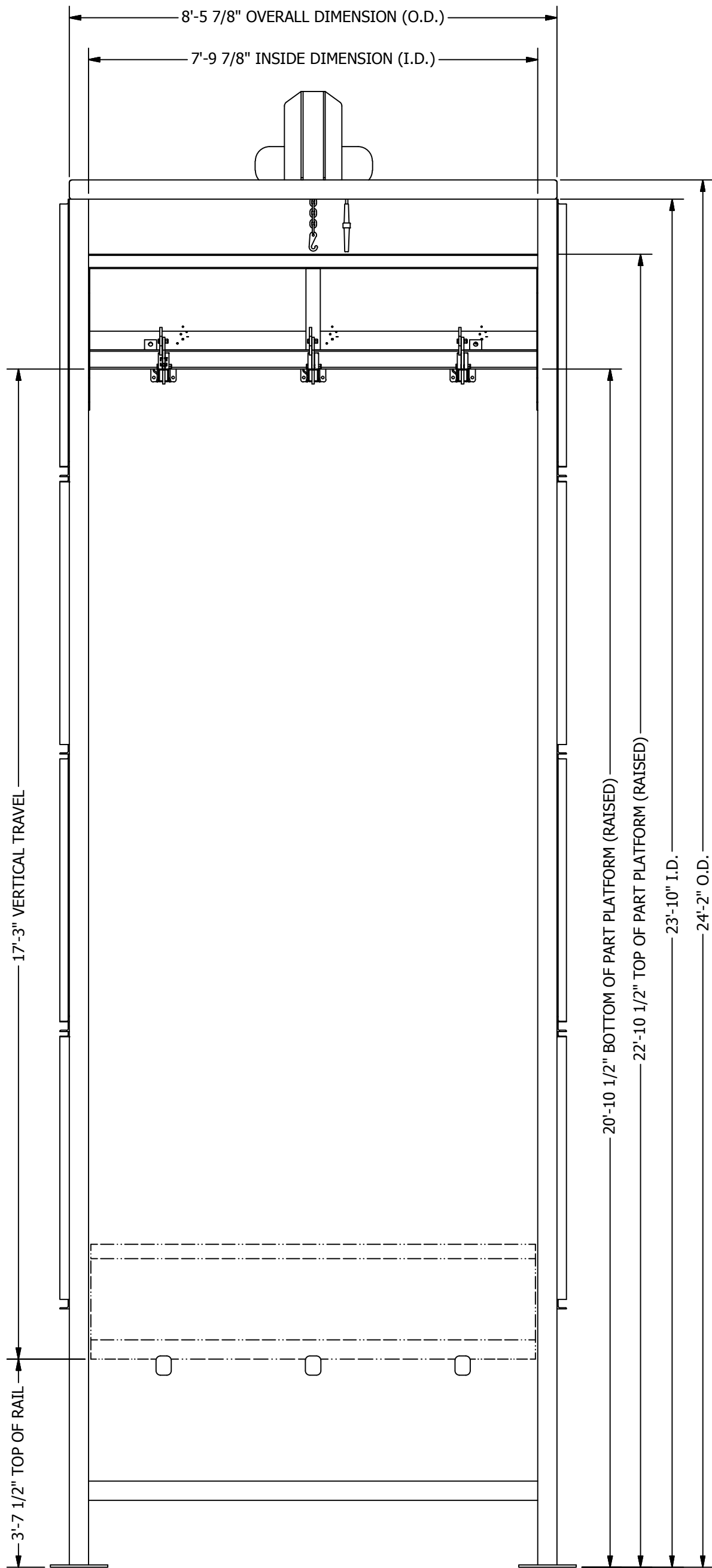




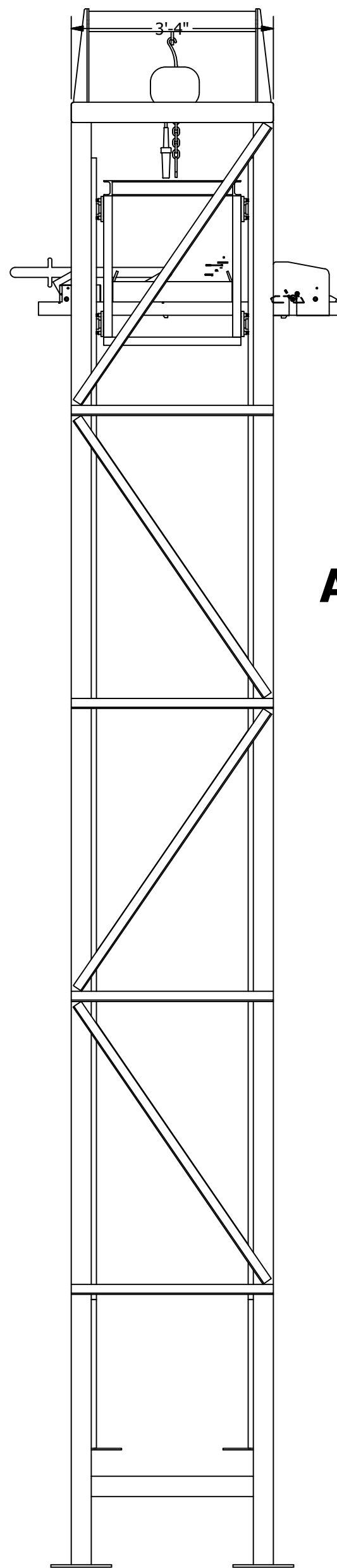
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NOT TO SCALE



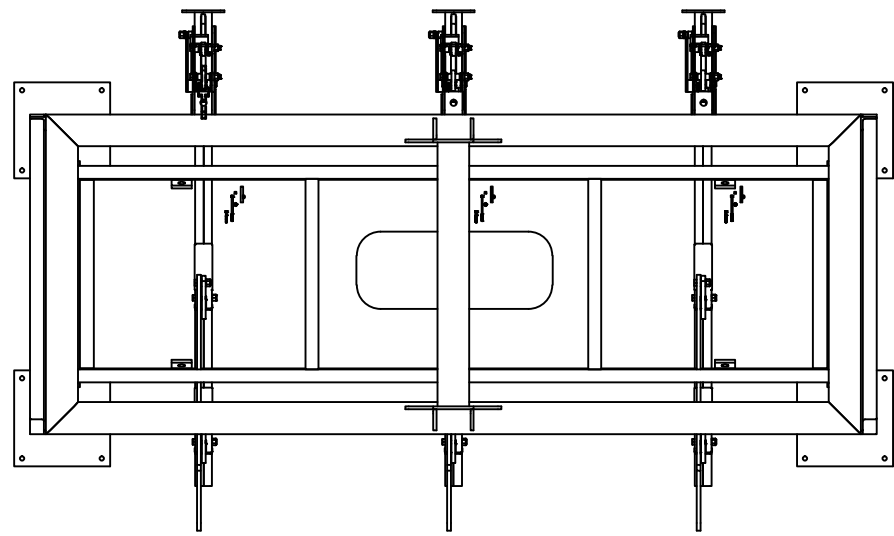
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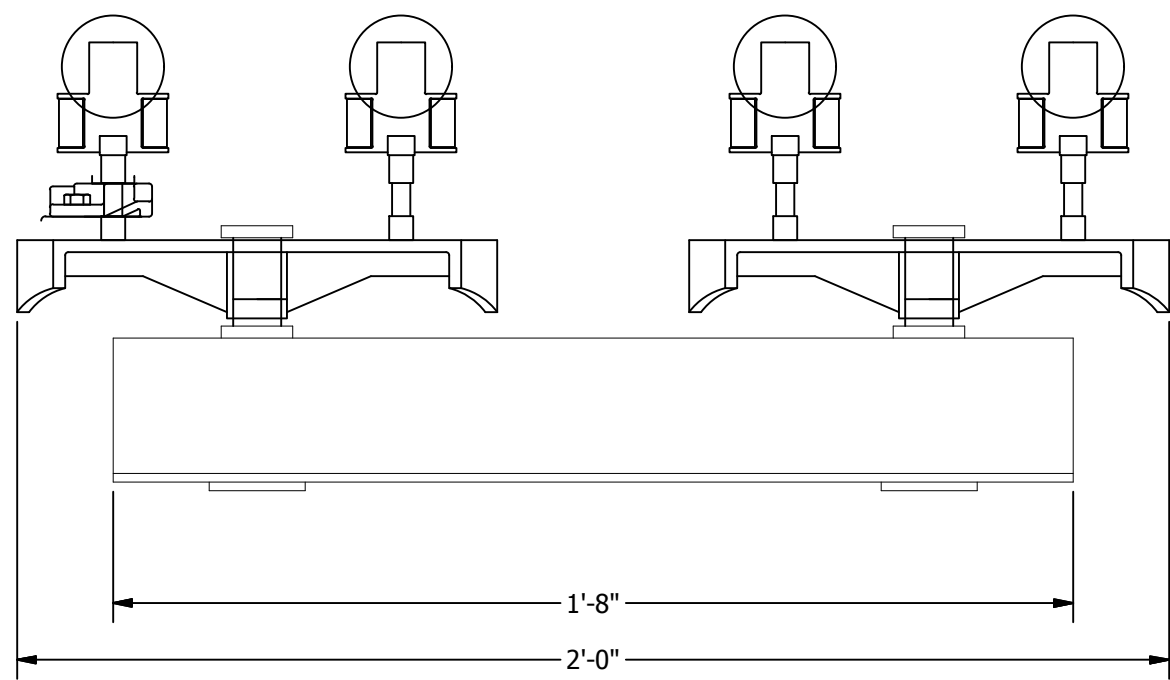
REAR VIEW  
1/2" = 1'-0"



RIGHT VIEW  
1/2" = 1'-0"



PLAN VIEW  
1/2" = 1'-0"



LOAD BAR DETAIL  
DO NOT SCALE

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    - LIFT SPEED: 28/4.5 2-STEP VARIABLE VFD
    - SMART LIMIT EQUIPED
    - VOLTAGE: 440v-480v-3Ph-60Hz

APPROVED FOR CONSTRUCTION

A 1 TON RAISE / LOWER PART LIFT ELEVATOR FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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DRAWING TITLE:  
1 TON PART  
LIFT ELEVATOR  
ISOMETRIC  
DRAWING

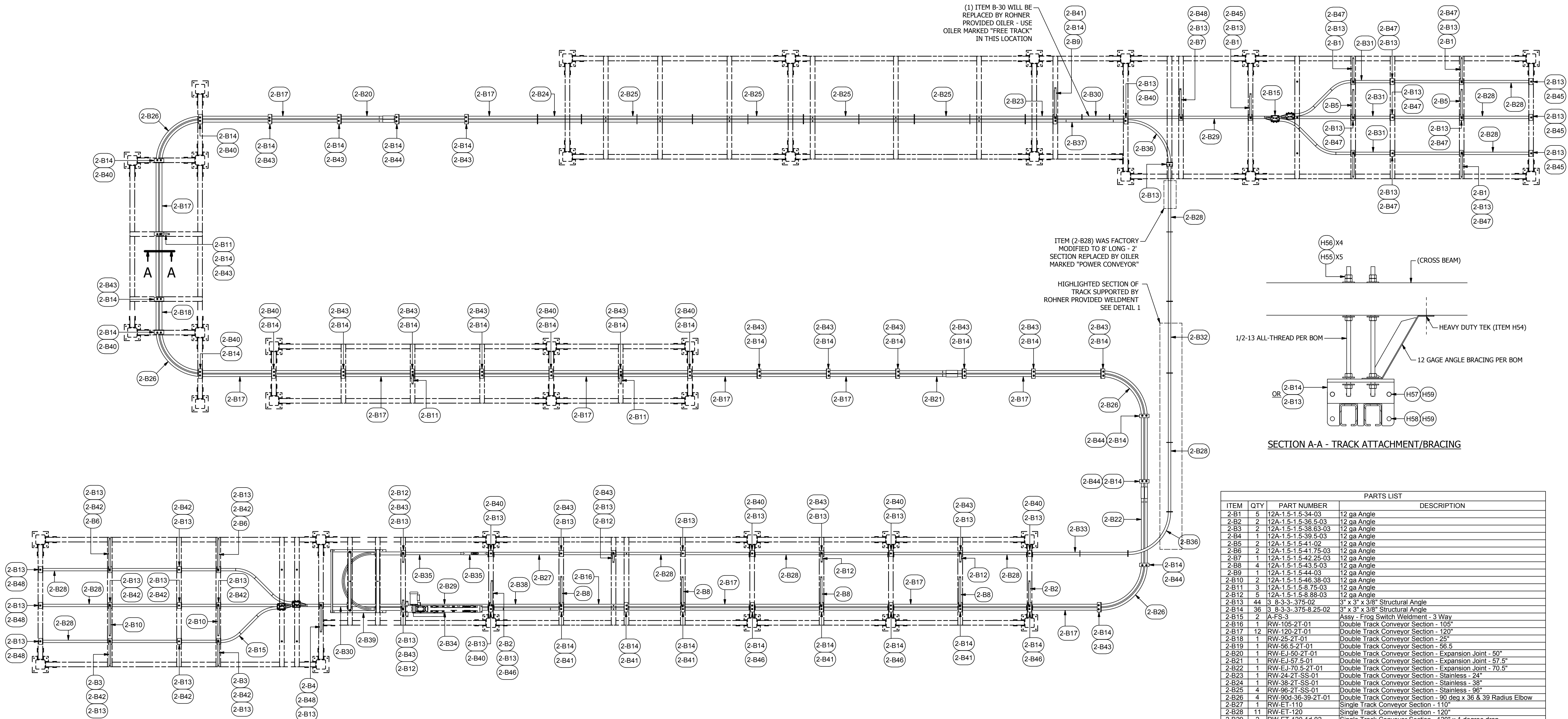
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EQUIP. NO:  
1 TON PART LIFT ELEVATOR  
SHEET NO:

2.1

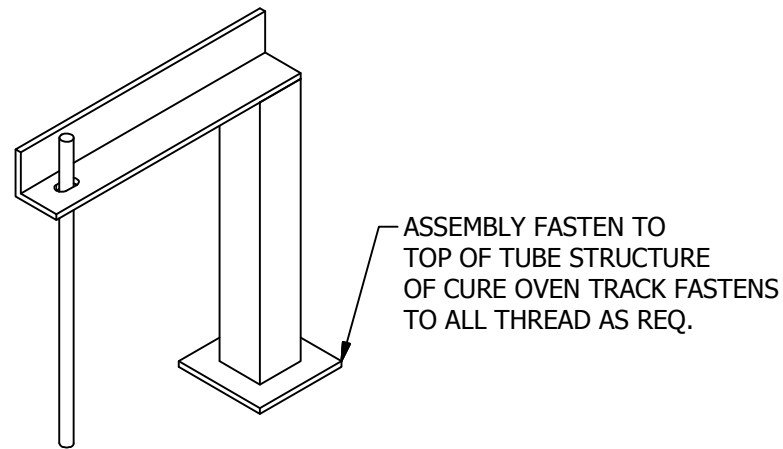
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CONVEYOR TRACK LAYOUT



DETAIL 1

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
2-B1	5	12A-1.5-1.5-34-03	12 ga Angle
2-B2	2	12A-1.5-1.5-36.5-03	12 ga Angle
2-B3	2	12A-1.5-1.5-38.63-03	12 ga Angle
2-B4	1	12A-1.5-1.5-39.5-03	12 ga Angle
2-B5	2	12A-1.5-1.5-41-02	12 ga Angle
2-B6	2	12A-1.5-1.5-41.75-03	12 ga Angle
2-B7	1	12A-1.5-1.5-42.25-03	12 ga Angle
2-B8	4	12A-1.5-1.5-43.5-03	12 ga Angle
2-B9	1	12A-1.5-1.5-44-03	12 ga Angle
2-B10	2	12A-1.5-1.5-46.38-03	12 ga Angle
2-B11	3	12A-1.5-1.5-47.75-03	12 ga Angle
2-B12	5	12A-1.5-1.5-48.88-03	12 ga Angle
2-B13	44	3 8-3-3-.375-02	3" x 3" x 3/8" Structural Angle
2-B14	36	3 8-3-3-.375-8-25-02	3" x 3" x 3/8" Structural Angle
2-B15	2	AT-FS-3	Assy - Frog Switch Weldment - 3 Way
2-B16	1	RW-105-2T-01	Double Track Conveyor Section - 105"
2-B17	12	RW-120-2T-01	Double Track Conveyor Section - 120"
2-B18	1	RW-25-2T-01	Double Track Conveyor Section - 25"
2-B19	1	RW-56-5-2T-01	Double Track Conveyor Section - 56.5"
2-B20	1	RW-EJ-50-2T-01	Double Track Conveyor Section - Expansion Joint - 50"
2-B21	1	RW-EJ-57-5-01	Double Track Conveyor Section - Expansion Joint - 57.5"
2-B22	1	RW-EJ-70-5-2T-01	Double Track Conveyor Section - Expansion Joint - 70.5"
2-B23	1	RW-24-2T-SS-01	Double Track Conveyor Section - Stainless - 24"
2-B24	1	RW-38-2T-SS-01	Double Track Conveyor Section - Stainless - 38"
2-B25	4	RW-96-2T-SS-01	Double Track Conveyor Section - Stainless - 96"
2-B26	4	RW-90-36-39-2T-01	Double Track Conveyor Section - 90 deg x 36 & 39 Radius Elbow
2-B27	1	RW-ET-110	Single Track Conveyor Section - 110"
2-B28	11	RW-ET-120	Single Track Conveyor Section - 120"
2-B29	2	RW-ET-120-1d-02	Single Track Conveyor Section - 120" x 1 degree drop
2-B30	2	RW-ET-24-1d-03	Single Track Conveyor Section - 24" x 1 degree drop
2-B31	6	RW-ET-34	Single Track Conveyor Section - 34"
2-B32	1	RW-ET-62	Single Track Conveyor Section - 62"
2-B33	1	RW-ET-83.142	Single Track Conveyor Section - 83.142"
2-B34	1	RW-CD-72	Single Track Conveyor Section - Chain Drive - 72"
2-B35	1	RW-CLT-72-01	Single Track Conveyor Section - Chain Load - Top - 72"
2-B36	2	RW-90-36-01	Single Track Conveyor Section - 90 deg x 36 Radius Elbow
2-B37	1	A-RW-ET-2T-E-18-25	Single to Double Track Conveyor Section - 30" Elevation
2-B38	1	A-RW-ET-2T-E-30-03	Single to Double Track Conveyor Section - 30" Elevation
2-B39	1	RW-TU-24R	Spring Loaded Take-up - 24" Radius
2-B40	20	AT-1 2-12	Threaded Rod- Zinc 1/2-13 x 12"
2-B41	12	AT-1 2-46	Threaded Rod- Zinc 1/2-13 x 46"
2-B42	15	AT-1 2-48.5	Threaded Rod- Zinc 1/2-13 x 48.5"
2-B43	40	AT-1 2-16	Threaded Rod- Zinc 1/2-13 x 16"
2-B44	8	AT-1 2-18	Threaded Rod- Zinc 1/2-13 x 18"
2-B45	4	AT-1 2-39.5	Threaded Rod- Zinc 1/2-13 x 39.5"
2-B46	7	AT-1 2-42	Threaded Rod- Zinc 1/2-13 x 42"
2-B47	12	AT-1 2-43.5	Threaded Rod- Zinc 1/2-13 x 43.5"
2-B48	5	AT-1 2-44.5	Threaded Rod- Zinc 1/2-13 x 44.5"
H54	50	1132109	#12-24 x 1-1/4" Hex Washer Head - Heavy Duty TEK (Fastenal)
H55	650	36110	Hex Nut- 1/2-13
H56	525	33012	Flat Washer 1/2" Bolt
H57	309	43C125HCS5Z	7/16-14 x 1 1/4" Hex Cap Screw Grade 5 - Zinc Plated
H58	175	43C100HCS5Z	7/16-14 x 1" Hex Cap Screw Grade 5 - Zinc Plated
H59	475	43CNWFZ	7/16-14 Whiz Flange Nut - Case Hardened - Zinc Plated
H60	40	43C100HCSS	7/16-14 x 1" Hex Cap Screw - Stainless Steel
H61	40	43CNNES	7/16-14 Nylon Insert Lock Nut - Stainless Steel

A INDUSTRIAL CONVEYORIZED POWDER SYSTEM FOR:

**PRESCIENT**

2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: RDC  
CHECKED BY: DGR

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ISSUED DATE: 12-8-2016  
REV: 16.2 / 12-8-2016  
DESCRIPTION OF CHANGE(S):  
CONSTRUCTION SET  
INITIAL RELEASE

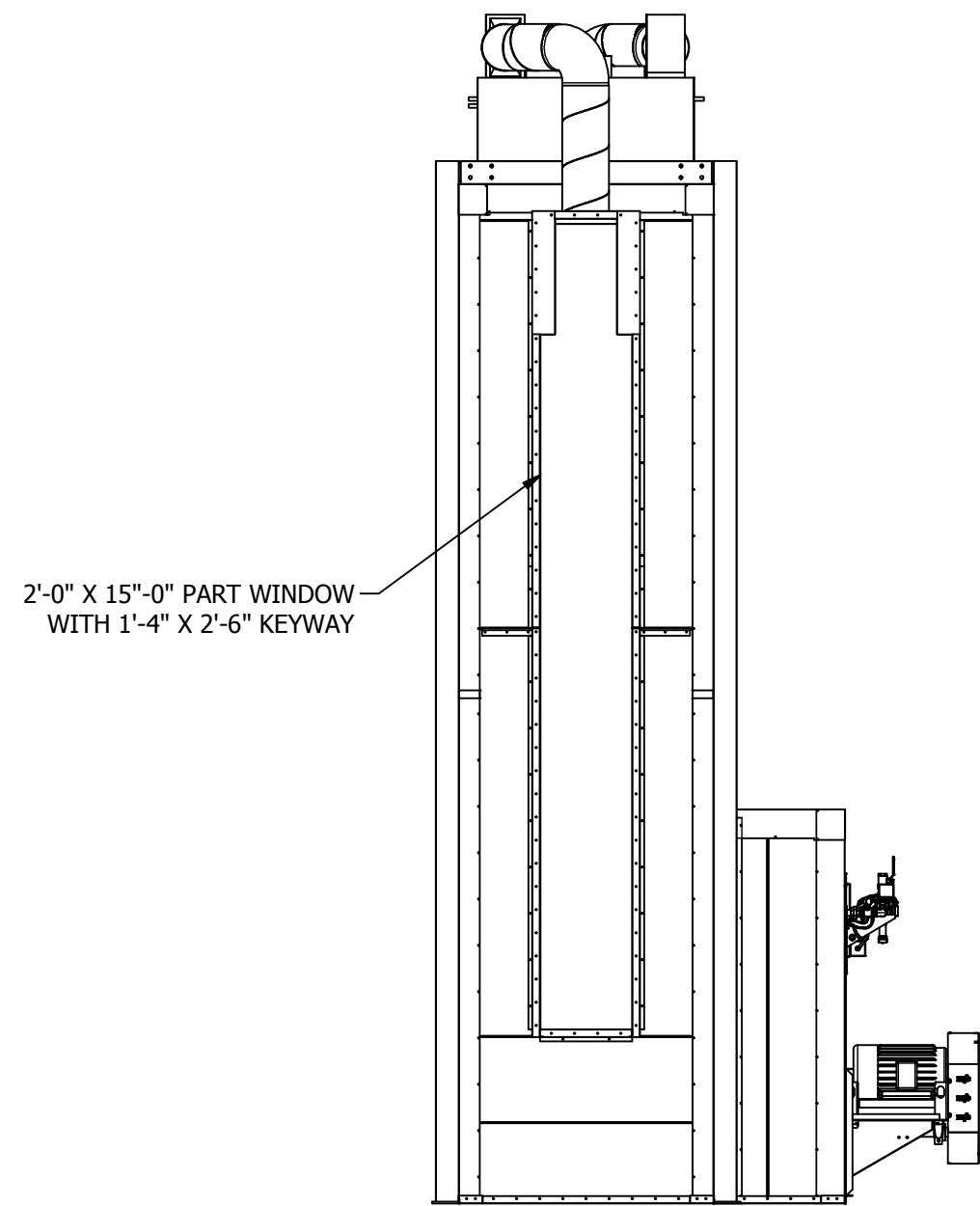
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CONVEYOR TRACK

JOB NO: R2016151  
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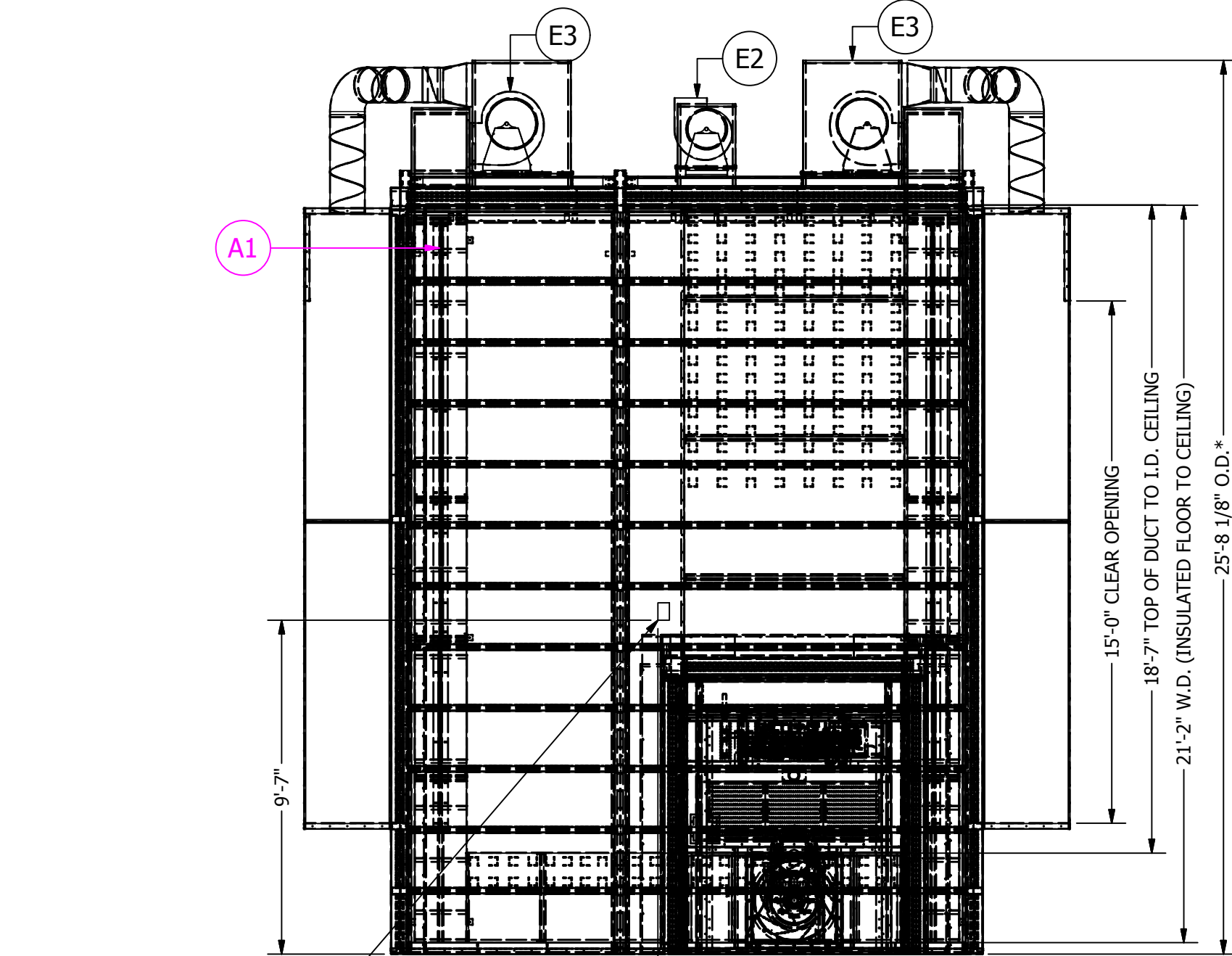
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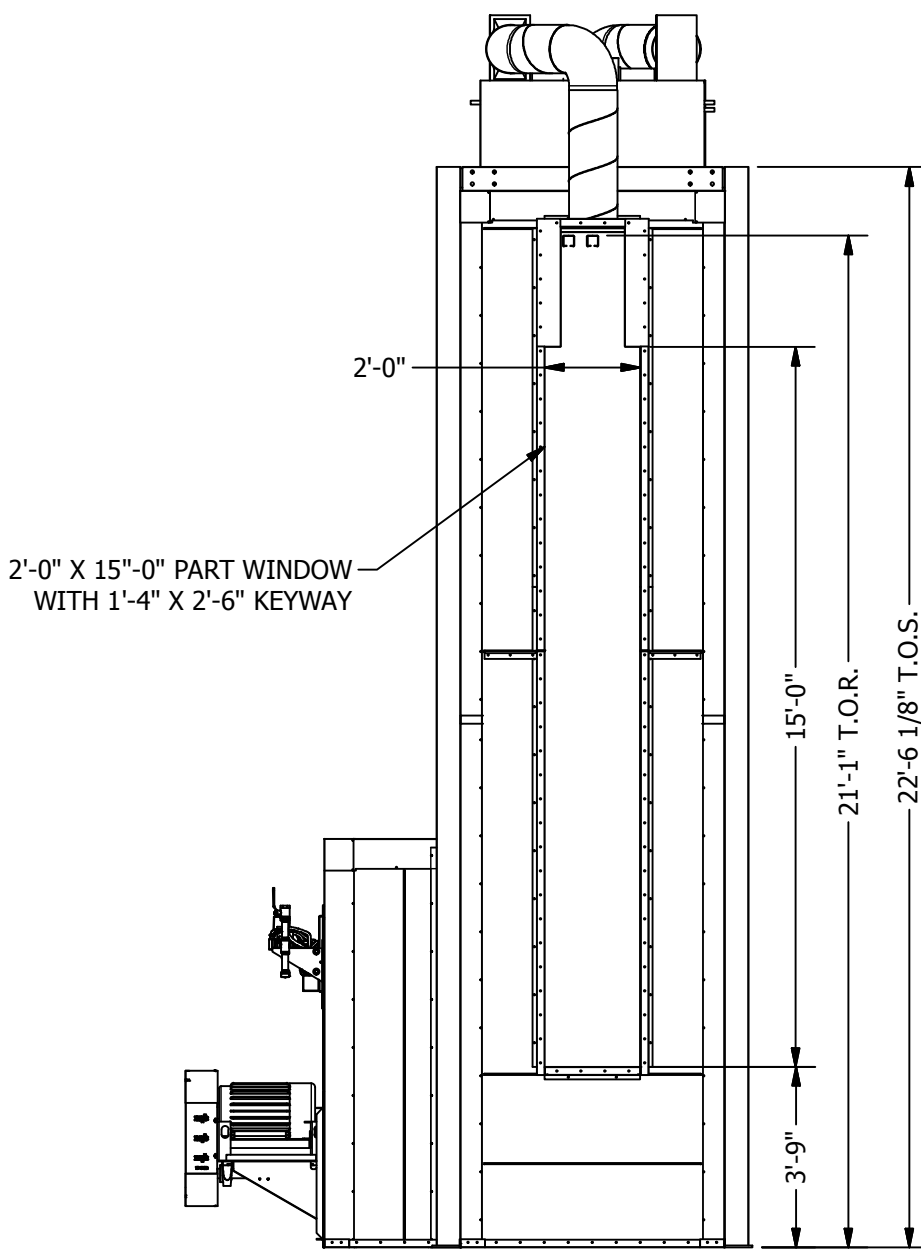


FRONT VIEW  
1/4"= 1'-0"

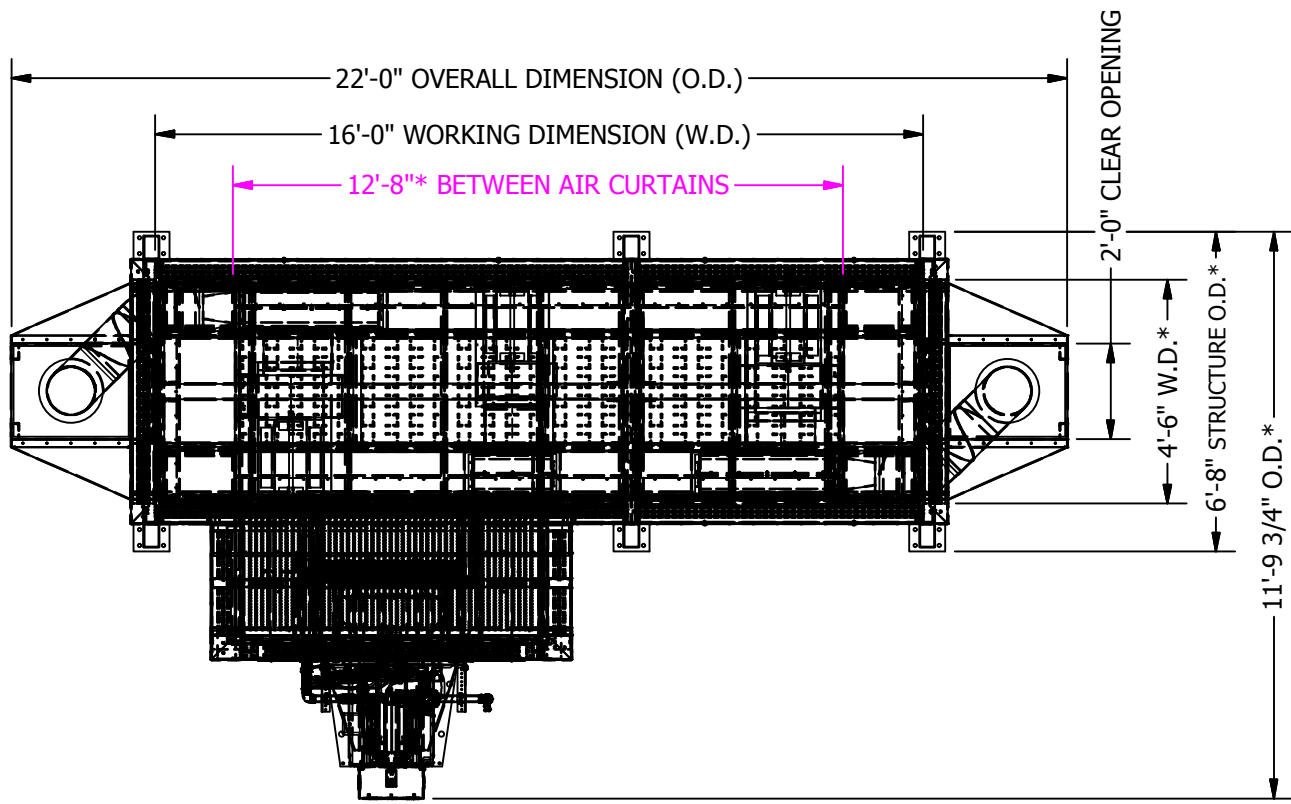


ROHNER PROVIDED THERMOCOUPLE BOX TO BE INSTALLED IN OVEN SIDE WALL OPPOSITE OF PROCESS HEATER

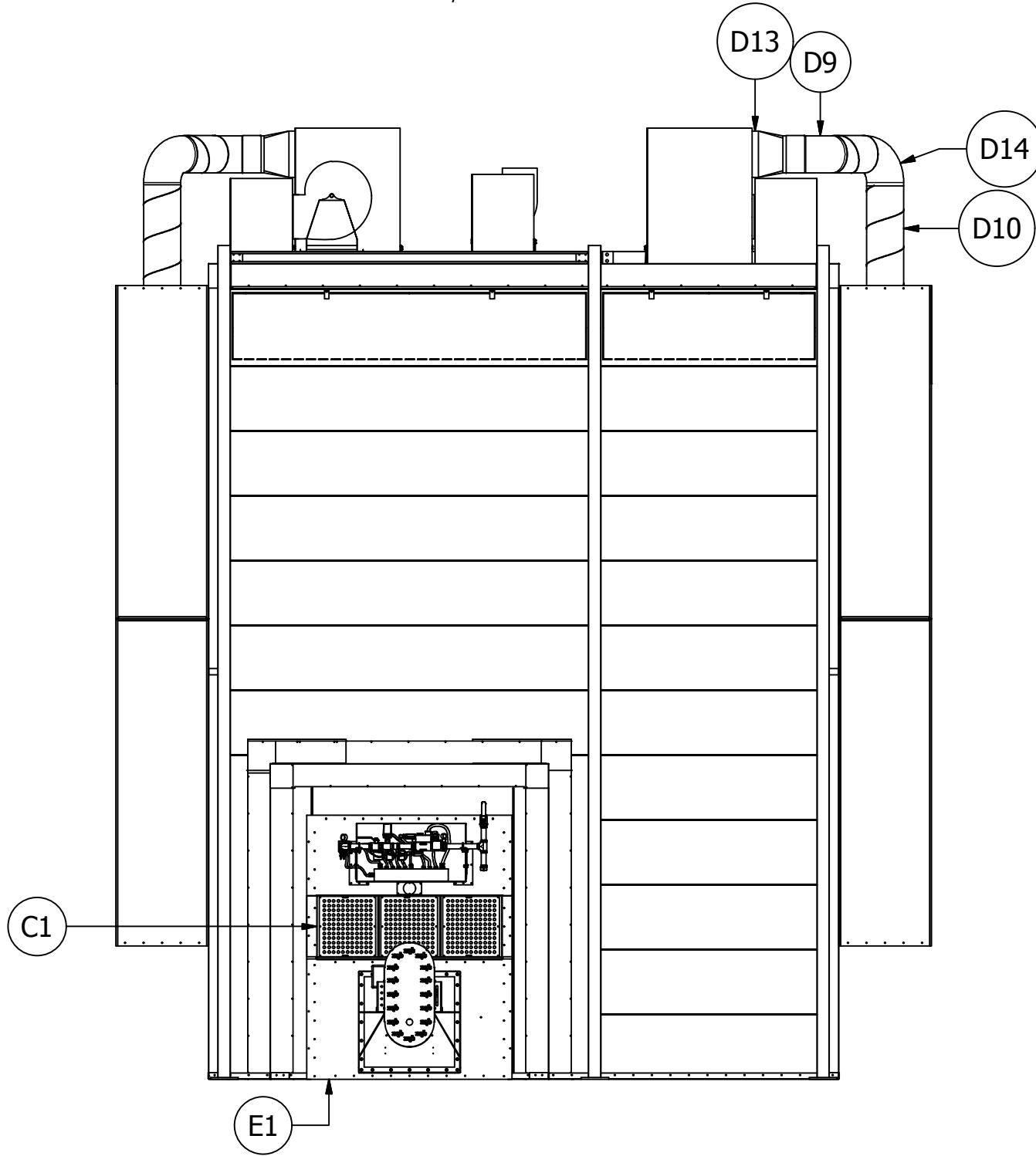
LEFT VIEW  
1/4"= 1'-0"



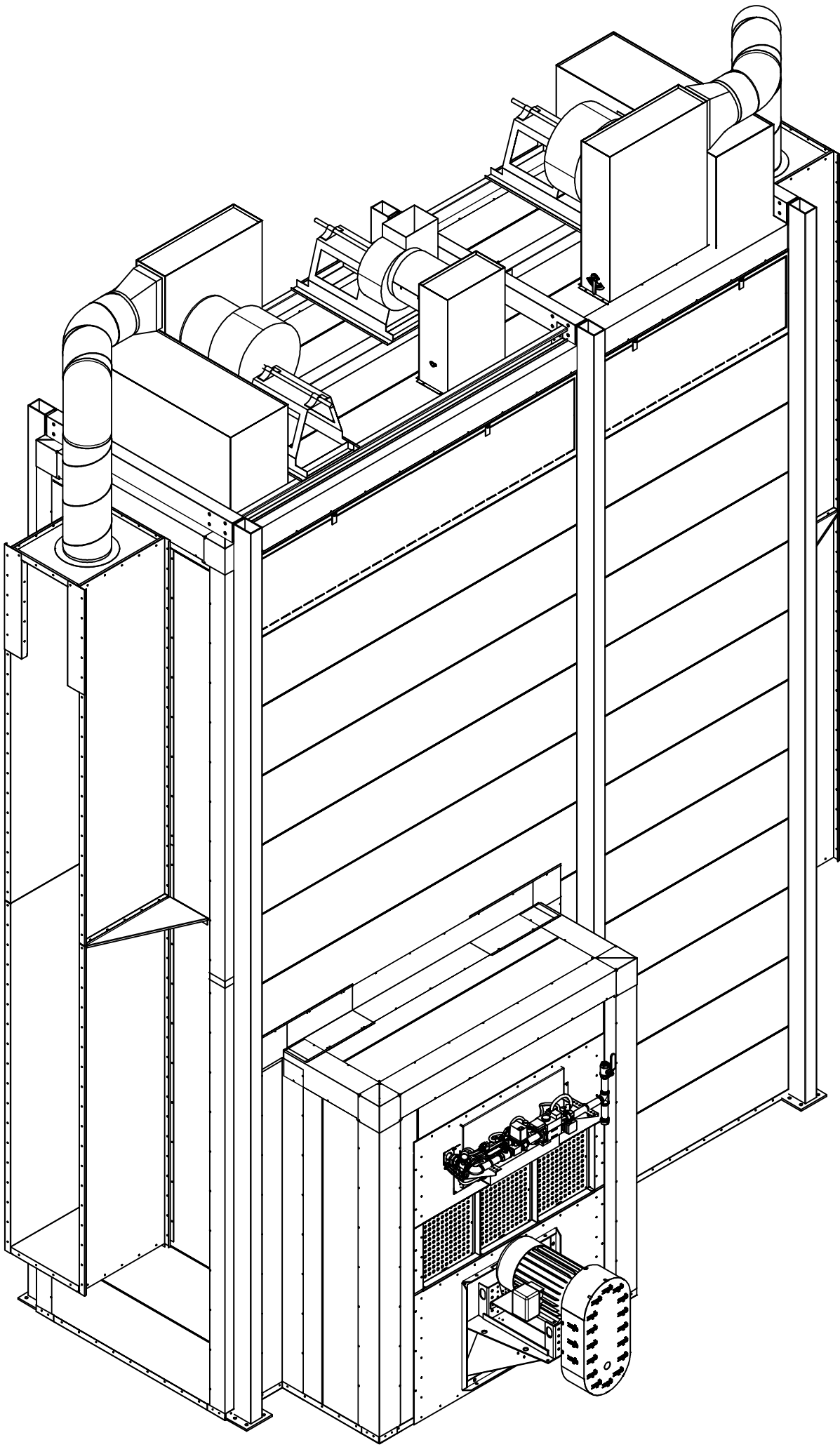
REAR VIEW  
1/4"= 1'-0"



PLAN VIEW  
1/4"= 1'-0"



RIGHT VIEW  
1/4"= 1'-0"

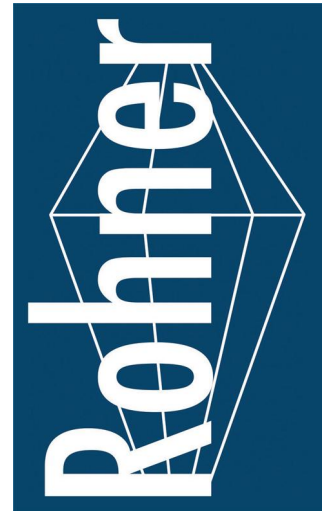


ISOMETRIC VIEW  
NOT TO SCALE

## APPROVED FOR CONSTRUCTION

POHT-WP-4.5-21.5-17 - Natural Gas Fired Industrial DRY-OFF OVEN High Temp				
(1ea) Industrial Insulated Dry-Off Oven with (1) direct fired process heater, oven side wall mounted and one exhaust fan, oven top mounted. Filtered supply air is pulled from the interior of the building. Exhaust air is removed from the enclosure and delivered to the building exterior.				
BOOTH				
Tag	Qty.	Pck.	Part	Description
B1	1		POHT-WP-4.5-21.5-17 - Shk. 3.1	POHT-WP-4.5-21.5-17 - Structure - Sht. 3.1
B2	1		POHT-WP-4.5-21.5-17 - Shk. 3.2	POHT-WP-4.5-21.5-17 - Floor Track - Sht. 3.2
B3	1		POHT-WP-4.5-21.5-17 - Shk. 3.3	POHT-WP-4.5-21.5-17 - Sidewalls - Sht. 3.3
B4	1		POHT-WP-4.5-21.5-17 - Shk. 3.4	POHT-WP-4.5-21.5-17 - Endwalls - Sht. 3.4
B5	1		POHT-WP-4.5-21.5-17 - Shk. 3.5	POHT-WP-4.5-21.5-17 - Ceiling - Sht. 3.5
B6	1		POHT-WP-4.5-21.5-17 - Shk. 3.6	POHT-WP-4.5-21.5-17 - Duct - Sht. 3.6
B7	1		POHT-WP-4.5-21.5-17 - Shk. 3.7	POHT-WP-4.5-21.5-17 - Flashing - Sht. 3.7
B8	1		POHT-WP-4.5-21.5-17 - Shk. 3.8	POHT-WP-4.5-21.5-17 - Insulated Floor - Sht. 3.8
B9	1		POHT-WP-4.5-21.5-17 - Shk. 3.9	POHT-WP-4.5-21.5-17 - Air Curtain - Sht. 3.9
B10	1		POHT-WP-4.5-21.5-17 - Shk. 3.10	POHT-WP-4.5-21.5-17 - Return Duct - Sht. 3.10
EQUIPMENT				
E1	1		A-PH-B	Natural Gas Direct Fired Process Heater 1.5 Million BTU, 9,600 CFM, 10hp
E2	1		CSW-10-BI-21-104-5	Series 21 Backward Inclined Single Width Fan, 1100 cfm @ 5" s.p., 5 hp 460v/3/60
E3	2		CSW-12-BI-21-104-50	Series 21 Backward Inclined Single Width Fan, 3000 cfm @ 3" s.p., 5 hp 460v/3/60
COMPONENTS				
C1	3		01AFR2020-20	#01AFR2020-20 - Intake AFR1 Panel - white
ASSEMBLIES				
A1	4		A-AC-12-18-180	Air Curtain Assembly - 12" x 18" over 15'
CONTROLS				
CO1	1		POHT PLC	Compact PLC based control center- 24VDC power supply, 24 I/O PLC controller, PID temperature control relay with auto tuning & 5.7" QVGA color touch screen HMI. (1) .5 hp. And (2) 5 hp. motor starters.
DUCT				
D1	1		D20-SQR-8.2511.5-14	Exhaust Duct- Square to Round- 8.25" x 11.5" to 14" dia. Over 1'
D2	1		CSP-14-10-26GA	Spiral Pipe 14"X10' 26GA
D3	1		D-RWS-16D	Exhaust Duct- Rockwool Sleeve, 16" Dia. Over 4' w/ Storm Collar
D4	1		SC-14	Exhaust Duct- Storm Collar- 14"
D5	1		SC-16	Exhaust Duct- Storm Collar- 16"
D7	1		CC-14	China Cap- 14" Dia
D8	1		D-RRJ-20D	Exhaust Duct- Flat Conical Roof Jack Assembly- 20" for 18" Duct w/ storm collar
D9	1		D18-S-18d-45	Exhaust Duct- Sleeve, 18" Dia.
D10	2		CSP-12-10-26GA	Spiral Pipe 12"X10' 26GA
D11	2		CEL-12-24-45	12" Adjustable 45 degree Elbow
D12	2		COS 12 ATTO D	12" Air Tight Take Off With Damper
D13	2		D20-SQR-815-12	Exhaust Duct- Square to Round- 8" x 15" to 12" dia. Over 1'
D14	2		CEL-12-24-90	12" Adjustable 90 degree Elbow
GENERAL NOTES				
Enclosure constructed using 20ga. galvanized sheet steel cold formed, pre-punched and fabricated double skin panels insulated with 6"				
Includes all assembly materials, fasteners and caulking				
MEETS OR EXCEEDS REQUIREMENTS OF NFPA 33 AND OSHA REGULATIONS				

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A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 10/3/16

REV: 11/21/16 - 16.1  
DESCRIPTION OF CHANGES: CONSTRUCTION SET

DRAWING TITLE:  
FLOOR PLANS/  
ELEVATIONS/  
SECTIONS

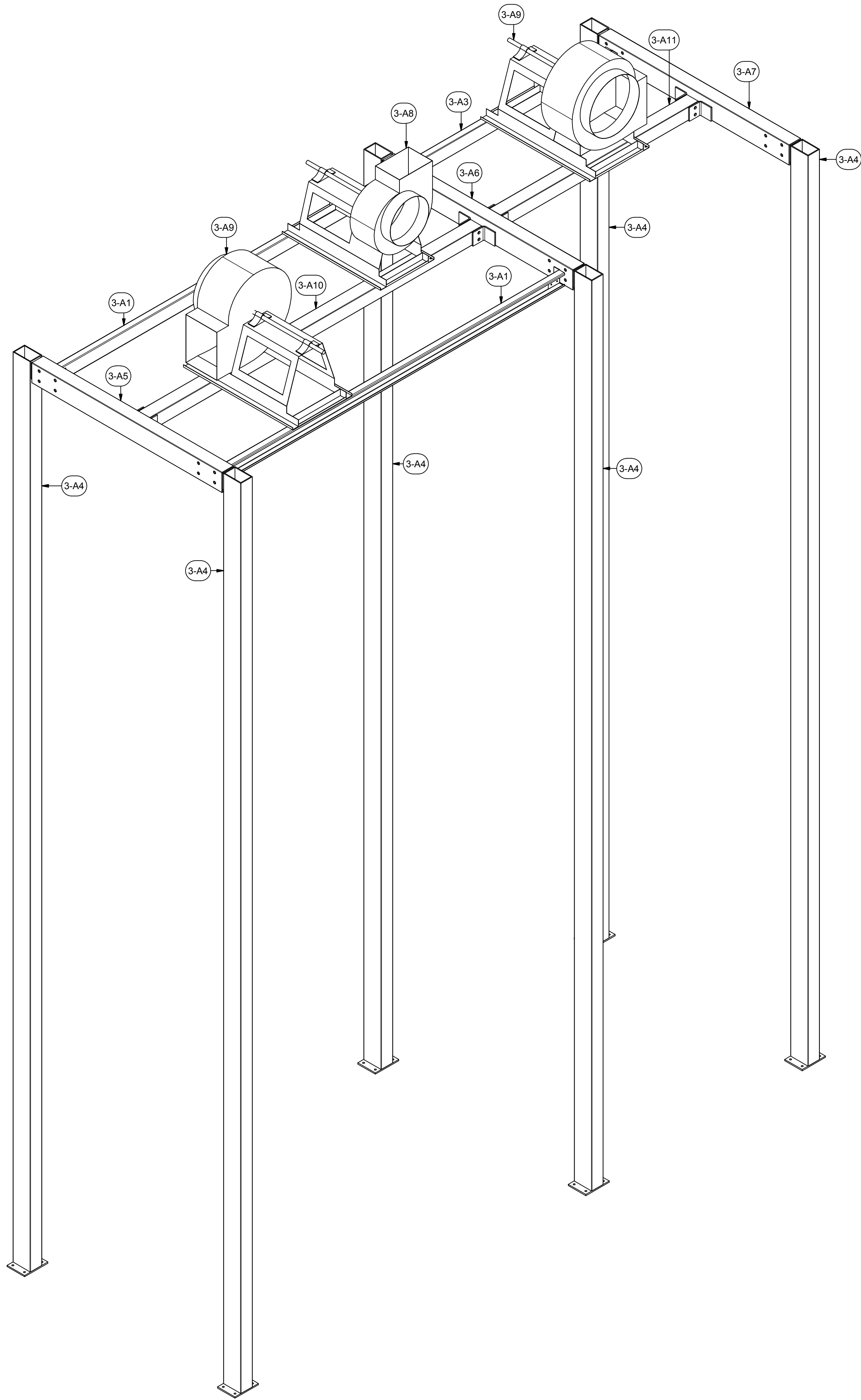
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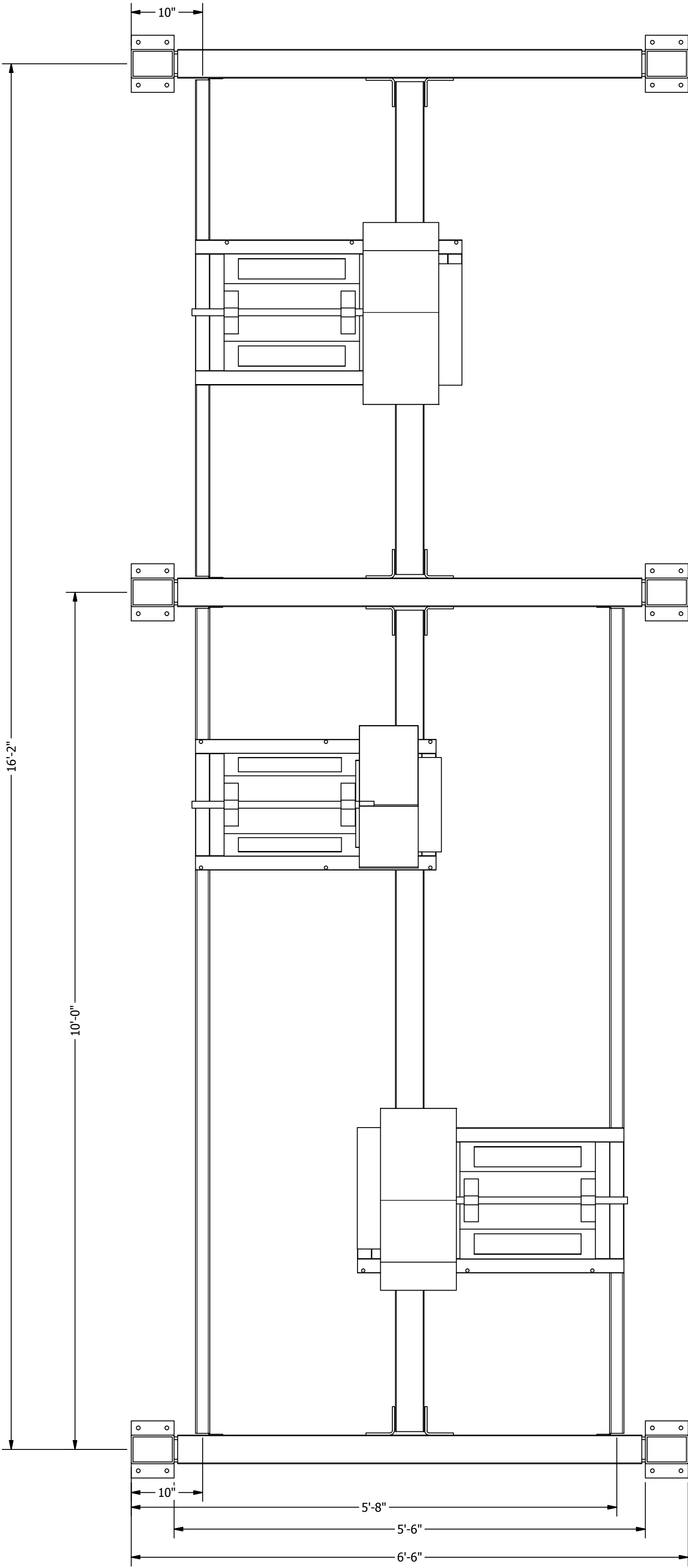
SHEET NO:

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		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
3-A1	2	12CC-2-4-115-5-01	12 ga C Channel
3-A2	1	14A-2-4-3-7-01	14 ga Angle
3-A3	1	14CC-2-4-69-5-02	14 ga C Channel
3-A4	6	A-POHT-VS-6-270-05	Assy - Process Oven High Temp Vertical Structure
3-A5	1	A-TS-4-6-65-01	Assy - Tube Steel Weldment
3-A6	1	A-TS-4-6-65-02	Assy - Tube Steel Weldment
3-A7	1	A-TS-4-6-65-03	Assy - Tube Steel Weldment
3-A8	1	CSW-10-BI-21-10-I-5	Series 21 Backward Inclined Single Width, 3/4 hp
3-A9	2	CSW-12-BI-21-10-II-50	Series 21 Backward Inclined Single Width, 3/4 hp
3-A10	1	TS-4-4-115-02	Tube Steel 4"x6"x1/4"
3-A11	1	TS-4-4-69-02	Tube Steel 4"x6"x1/4"
H2	42	142034	Hex Bolt- 1/4-20x3/4"
H3	42	857180	Hex Flange Lock Nut, 1/4-20
H10	48	62C150HCS5Z	Hex Bolt - 5/8-11x1 1/2"
H11	6	36114	Hex Nut - 5/8-11
H18	6	33015	5/8" x 1
H45	6	62C800HCS5	Hex Bolt - 5/8-11 8"



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DESCRIPTION OF CHANGE(S): Construction Set

DRAWING TITLE:  
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DRAWING

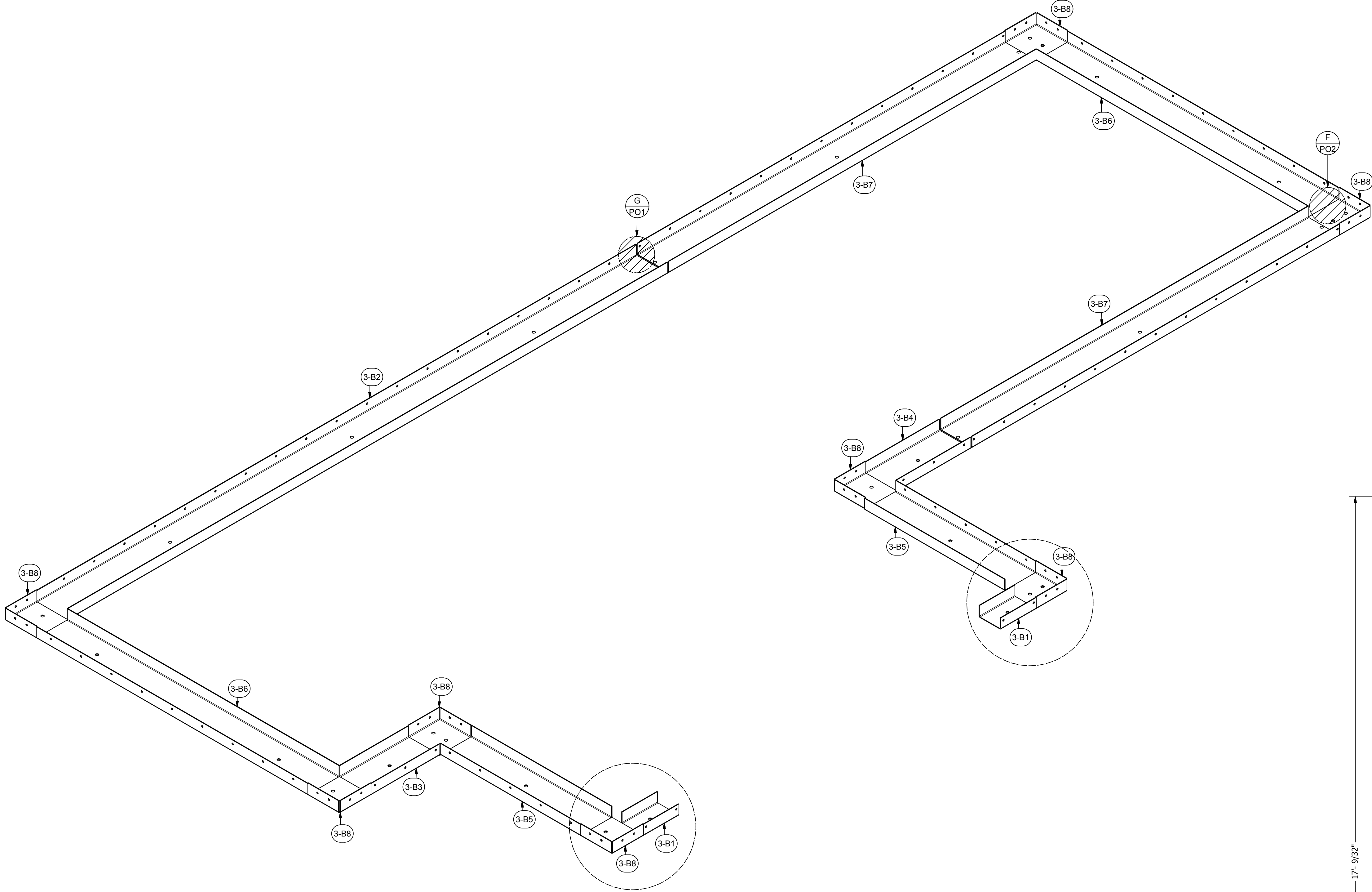
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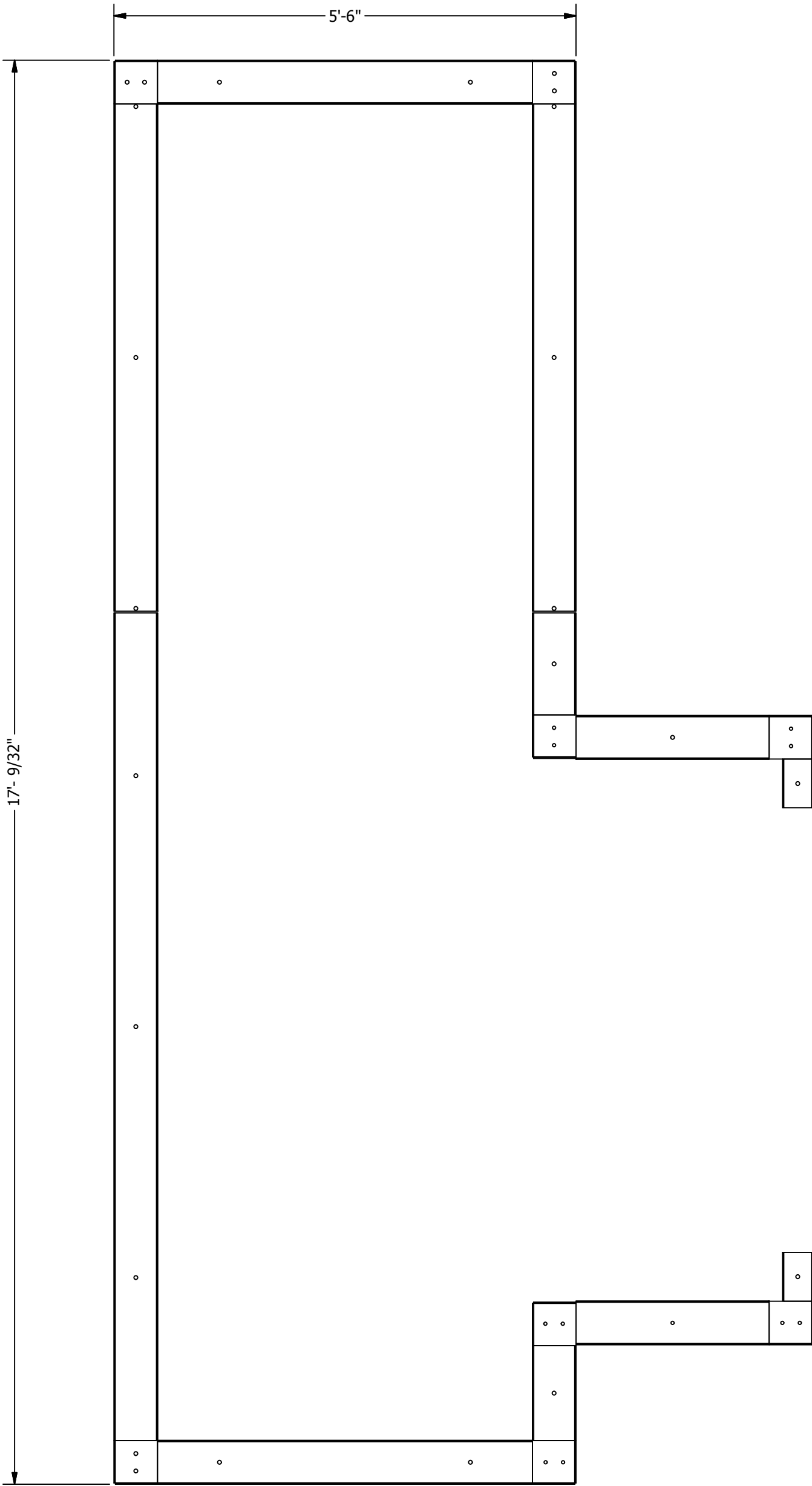






PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-B1	2	IWP-FT-2-4.1-7-01	12 ga Insulated Wall Panel Floor Track
3-B2	1	IWP-FT-2-6.1-118.8-01	12 ga Insulated Wall Panel Floor Track
3-B3	1	IWP-FT-2-6.1-13.636-01	12 ga Insulated Wall Panel Floor Track
3-B4	1	IWP-FT-2-6.1-14.625	12 ga Insulated Wall Panel Floor Track
3-B5	2	IWP-FT-2-6.1-27.7-01	12 ga Insulated Wall Panel Floor Track
3-B6	2	IWP-FT-2-6.1-53.8-01	12 ga Insulated Wall Panel Floor Track
3-B7	2	IWP-FT-2-6.1-72.8-01	12 ga Insulated Wall Panel Floor Track
3-B8	8	IWP-FT-C-6.3-6.3-2	12 ga Insulated Wall Panel Floor Track Corner

**NOTE:**  
INDICATED FLOOR TRACK TO BE INSTALLED  
AFTER PROCESS HEATER



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
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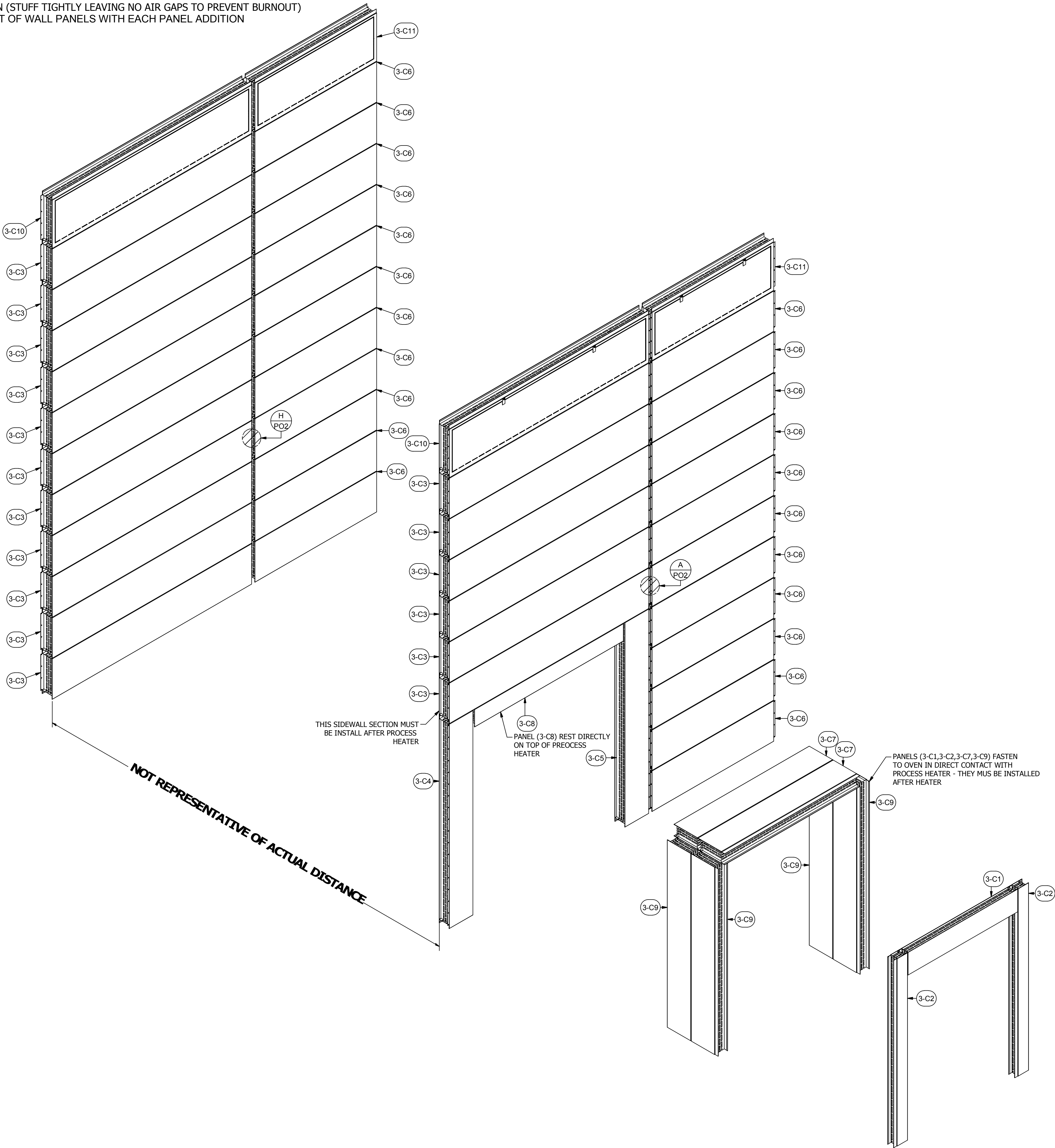
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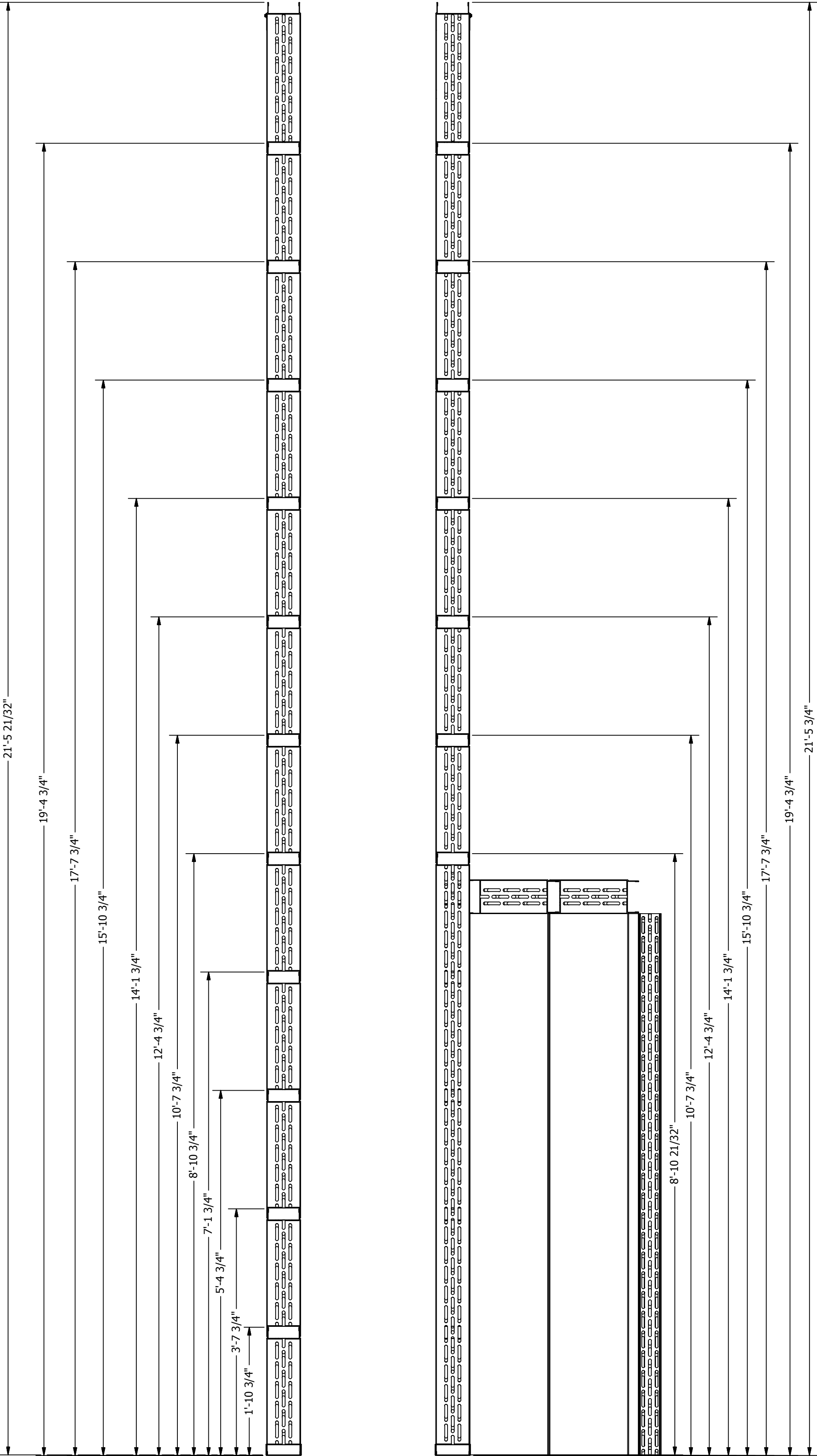


NOTE:

1. FIELD CUT AND INSTALL 2" INSULATION IN HORIZONTAL PANEL SEAMS
2. FIELD CUT AND INSTALL 1" INSULATION IN VERTICAL PANEL ENDS
3. FIELD CUT AND INSTALL 2" INSULATION IN VERTICAL SEAM BETWEEN PANELS
4. FIELD CUT AND INSTALL 2" INSULATION IN ALL PRODUCT DOOR FRAME ENDS AND CORNERS OF OVEN (STUFF TIGHTLY LEAVING NO AIR GAPS TO PREVENT BURNOUT)
5. VERIFY HEIGHT OF WALL PANELS WITH EACH PANEL ADDITION



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-C1	1	A-IWP-4-66.7-11.6-04	Assy - 4" Insulated Wall Panel - Aluminized
3-C2	2	A-IWP-4-96-8-04	Assy - 4" Insulated Wall Panel - Aluminized
3-C3	17	A-IWP-6-120-22.6-01	Assy - Insulated Wall Panel
3-C4	1	A-IWP-6-15-107-01	Assy - Insulated Wall Panel
3-C5	1	A-IWP-6-15-107-02	Assy - Insulated Wall Panel
3-C6	22	A-IWP-6-74-22.6-01	Assy - Insulated Wall Panel
3-C7	2	A-IWP-6-80-15.75-04	Assy - Insulated Wall Panel
3-C8	1	A-IWP-6-88-10.8-01	Assy - Insulated Wall Panel
3-C9	4	A-IWP-6-96-15.75-04	Assy - Insulated Wall Panel
3-C10	2	A-IWP-EP-6-26.6-120-01	Assy - Insulated Wall Panel
3-C11	2	A-IWP-EP-6-26.6-74-01	Assy - Insulated Wall Panel
H7	450	25C100SWHZ	1/4-20x1" Self-drilling Screw
H23	200	MWBR002	RHT80 8# 2" x 24" x48" insulation
H24	125	MWBR020	RHT80 8# 1" x 24" X 48" Insulation



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:

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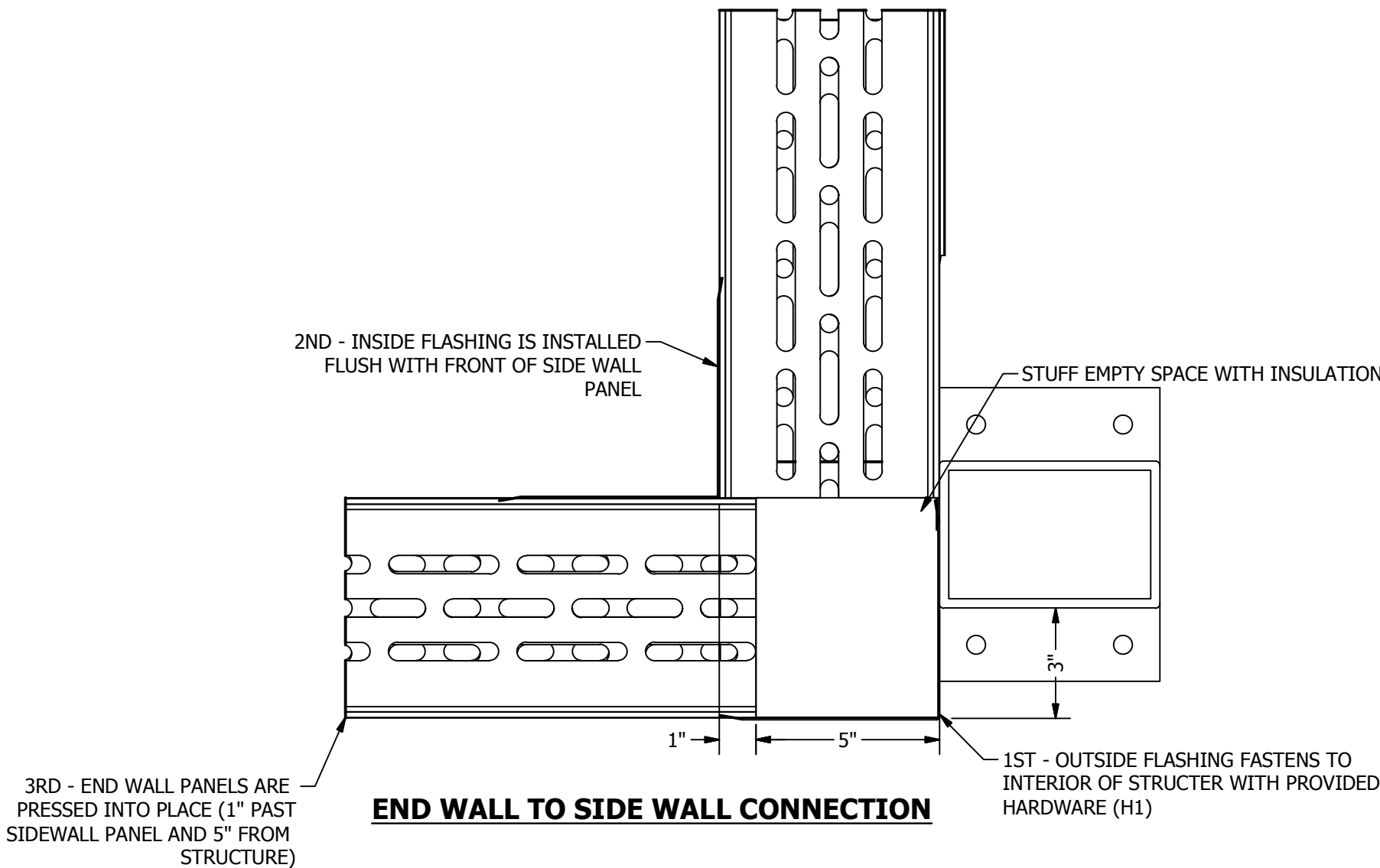
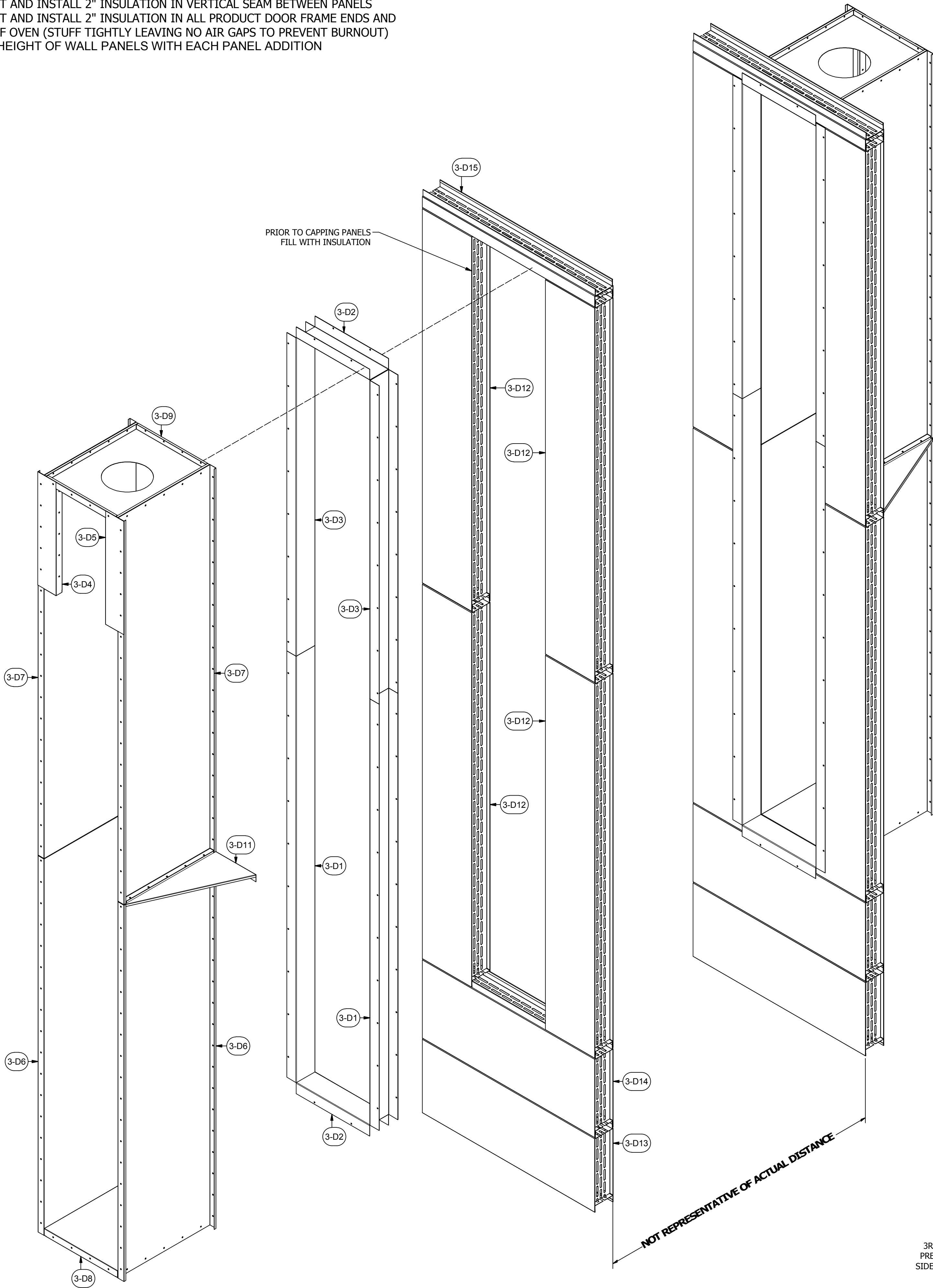
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OR. LIC # 135549  
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NOTE:

1. FIELD CUT AND INSTALL 2" INSULATION IN HORIZONTAL PANEL SEAMS
2. FIELD CUT AND INSTALL 1" INSULATION IN VERTICAL PANEL ENDS
3. FIELD CUT AND INSTALL 2" INSULATION IN VERTICAL SEAM BETWEEN PANELS
4. FIELD CUT AND INSTALL 2" INSULATION IN ALL PRODUCT DOOR FRAME ENDS AND CORNERS OF OVEN (STUFF TIGHTLY LEAVING NO AIR GAPS TO PREVENT BURNOUT)
5. VERIFY HEIGHT OF WALL PANELS WITH EACH PANEL ADDITION



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-D1	4	18CC-3-6-120-01	14 ga C Channel
3-D2	4	18CC-3-6-24-01	14 ga C Channel
3-D3	4	18CC-3-6-89-6-01	14 ga C Channel
3-D4	2	BP2-L-6-32-01	18 ga Booth Panel 2-sided Pan Left
3-D5	2	BP2-R-6-32-01	18 ga Booth Panel 2-sided Pan Left
3-D6	4	BP3-30-106	18 ga Booth Panel 3-sided pan
3-D7	4	BP3-30-108	18 ga Booth Panel 3-sided pan
3-D8	2	BP4-24-30	18 ga Booth Panel 4-sided pan
3-D9	2	BP4-24-30-02	18 ga Booth Panel 4-sided pan
3-D10	2	18SG-30-15-2-01	18 ga Stiffening Gusset
3-D11	2	18SG-30-15-2-02	18 ga Stiffening Gusset
3-D12	8	A-IWP-6-16-107-3-04	Assy - Insulated Wall Panel
3-D13	2	A-IWP-6-56-22-6-04	Assy - Insulated Wall Panel
3-D14	2	A-IWP-6-56-24-04	Assy - Insulated Wall Panel
3-D15	2	A-IWP-6-56-5-04	Assy - Insulated Wall Panel
H1	100	31818	(12N100UHWZ) #12 Teks, 5/16x1
H2	100	142034	Hex Bolt- 1/4-20x3/4"
H3	100	857180	Hex Flange Lock Nut- 1/4-20
H23	100	MWBR002	RHT80 8# 2" x 24" x48" Insulation
H24	75	MWBR020	RHT80 8# 1" X 24" X 48" Insulation

A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:

**PRESCIENT**

2125 SENATOR RALPH SCOTT PARKWAY

MEBANE, NC 27302

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ISSUED DATE: 11/18/16  
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DRAWING TITLE:  
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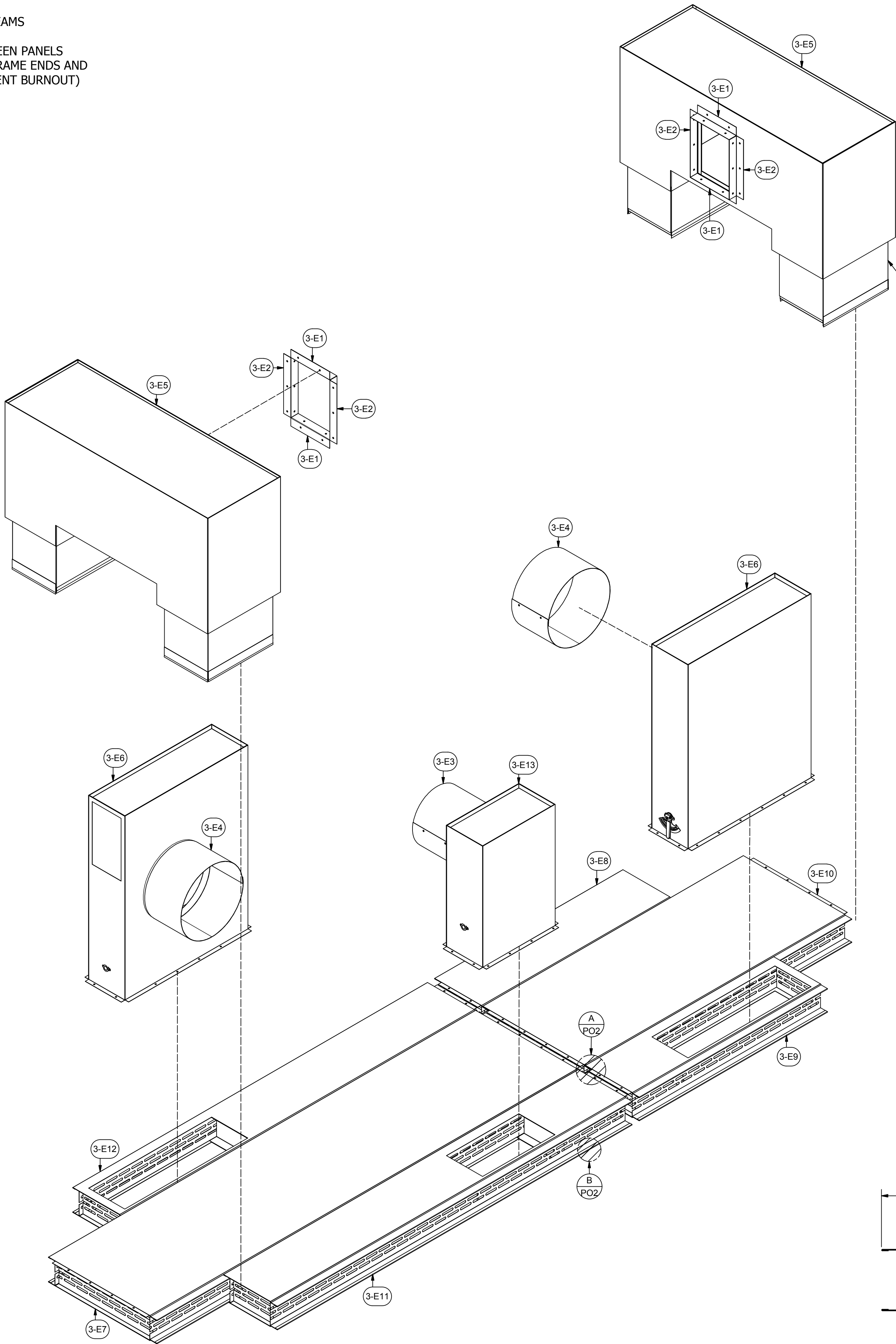
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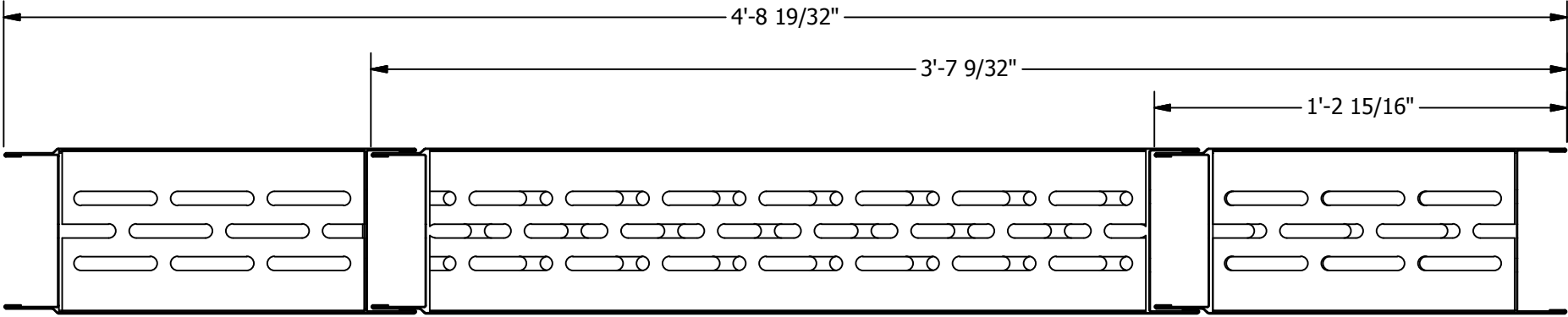




**NOTE:**  
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2. FIELD CUT AND INSTALL 1" INSULATION IN VERTICAL PANEL ENDS  
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ASSEMBLIES (3-E5) SLIDE THROUGH OPENINGS IN CORNERS OF CEILING WITH INSULATED PORTION RESTING ON CEILING - ASSEMBLY THROAT SLIDES INTO AIR CURTAINS TOP OPENINGS



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
3-E1	4	18A-2-2-10-7-01	18 ga Angle	
3-E2	4	18A-2-2-14-3-01	18 ga Angle	
3-E3	1	20D-13.5-12-01	20 ga Duct	
3-E4	2	20D-17-10-01	20 ga Duct	
3-E5	2	A-AC-IDB-56-37-20-01	Assy - Air Curtain Insulated Discharge Box	
3-E6	2	A-EXB-10-34-40-01	Assy - Exhaust Box	
3-E7	1	A-IWP-6-120-30-01	Assy - Insulated Wall Panel	
3-E8	1	A-IWP-6-52-15-01	Assy - Insulated Wall Panel	
3-E9	1	A-IWP-6-52-15-02	Assy - Insulated Wall Panel	
3-E10	1	A-IWP-6-74-30-01	Assy - Insulated Wall Panel	
3-E11	1	A-IWP-6-99-15-02	Assy - Insulated Wall Panel	
3-E12	1	A-IWP-6-99-15-03	Assy - Insulated Wall Panel	
3-E13	1	A-EXB-10-20-28-01	Assy - Exhaust Box	
H1	100	31818	(12N100UHWZ) #12 Tek's, 5/16x1	
H7	36	25C100SWHZ	1/4-20x1", Self-drilling Screw	
H23	125	MWBR002	RHT80 8# 2" x 24" x48" insulation	
H24	65	MWBR020	RHT80 8# 1" X 24" X 48" insulation	

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A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
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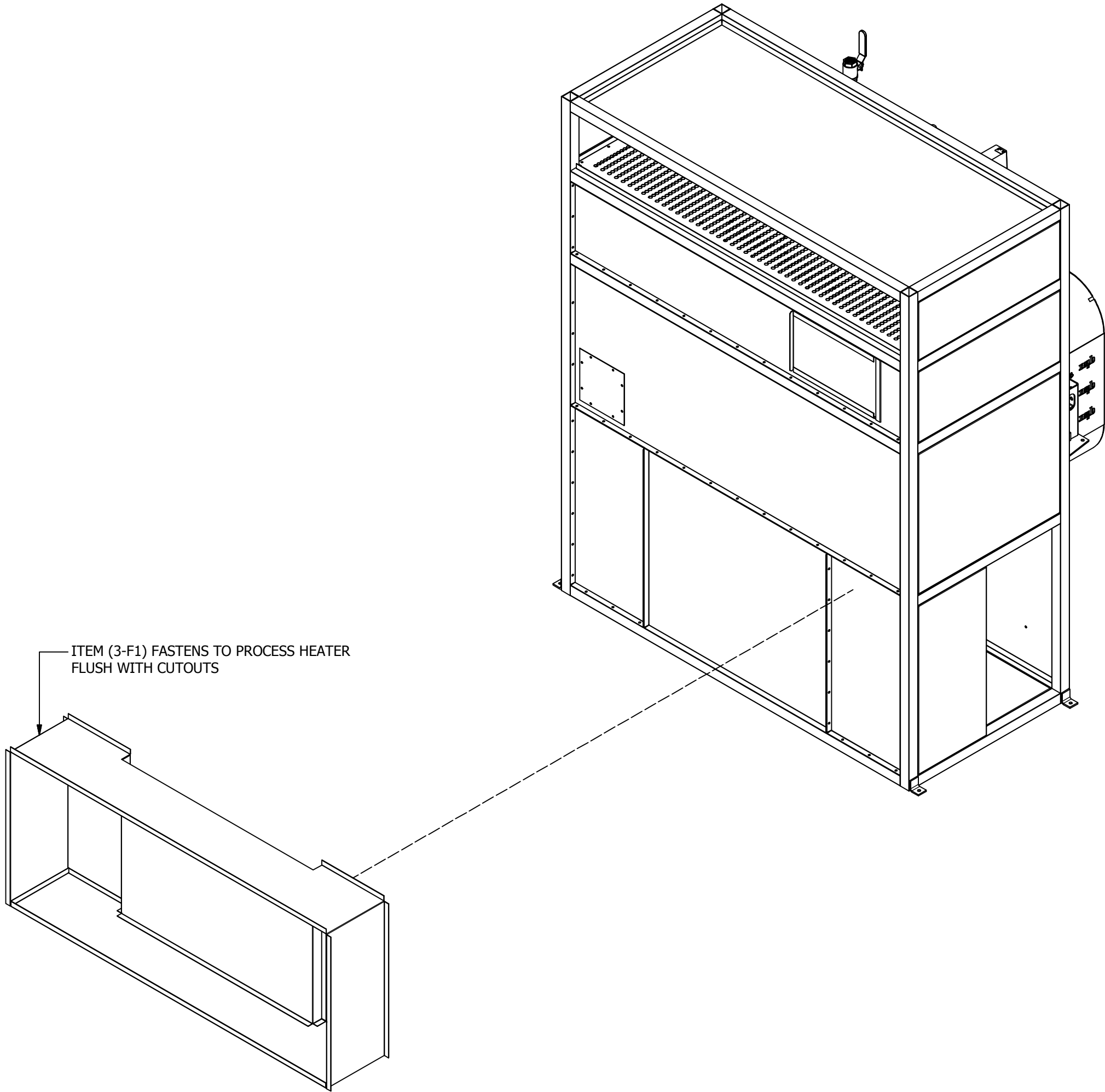
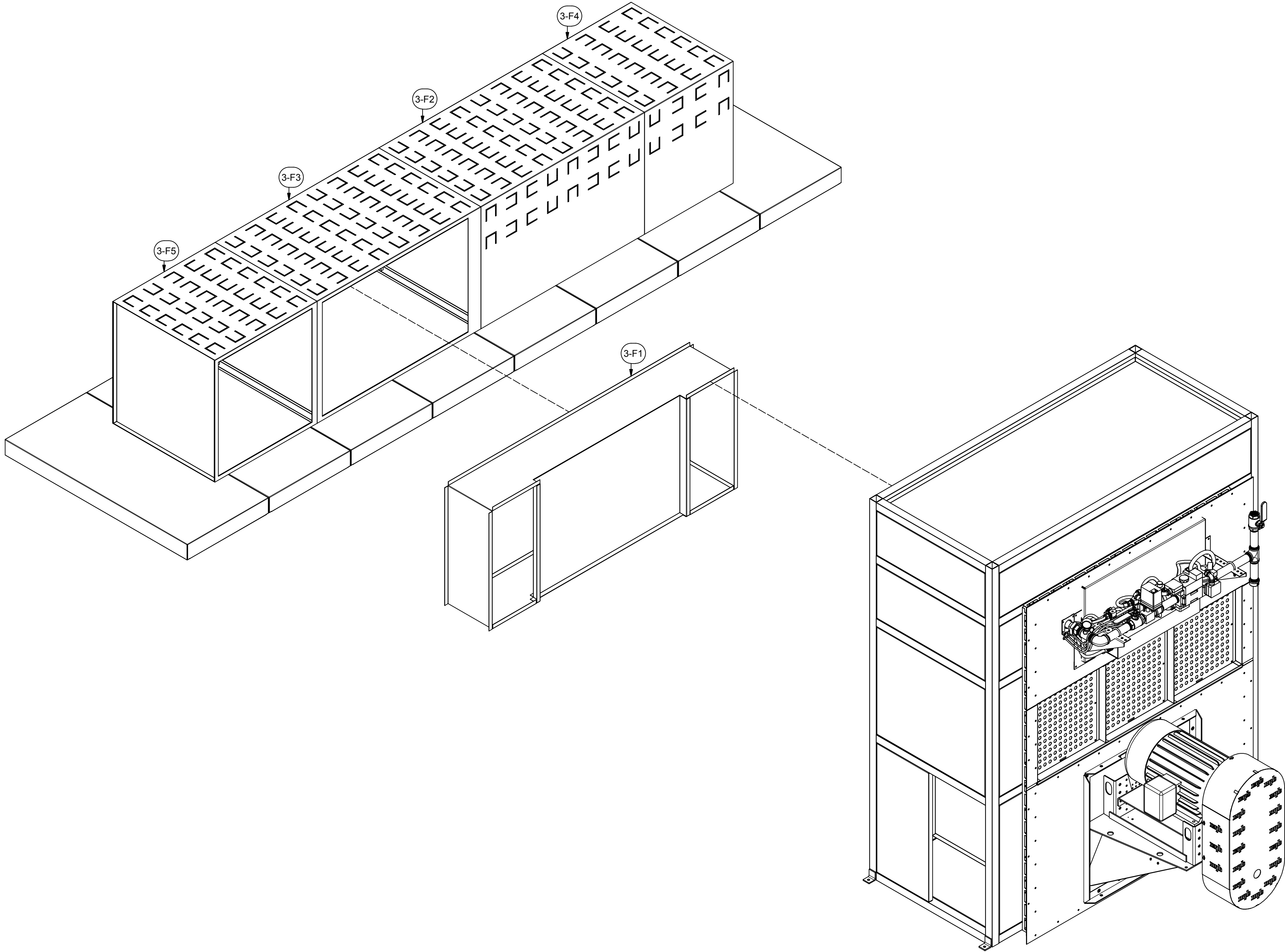
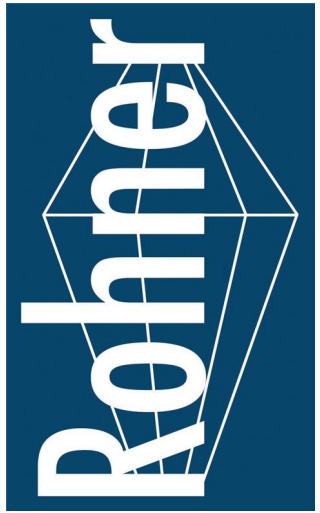
3.5



**NOTE:**  
1. FEMALE END OF THE DUCT SLIPS OVER FLANGED MALE END AND IS FASTENED WITH #12 X 3/4" TEK SCREWS 6" O.C.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-F1	1	A-18OD-30-71-13-01	Assy - 18 ga Oven Duct
3-F2	1	A-18OD-31-30-48-01	Assy - 18 ga Oven Duct
3-F3	1	A-18OD-31-30-48-02	Assy - 18 ga Oven Duct
3-F4	1	A-18OD-E-31-30-26-01	Assy - 18 ga Oven Duct
3-F5	1	A-18OD-E-31-30-30-01	Assy - 18 ga Oven Duct
H1	350	I31818	(12N100UHWZ) #12 Tek's, 5/16x1

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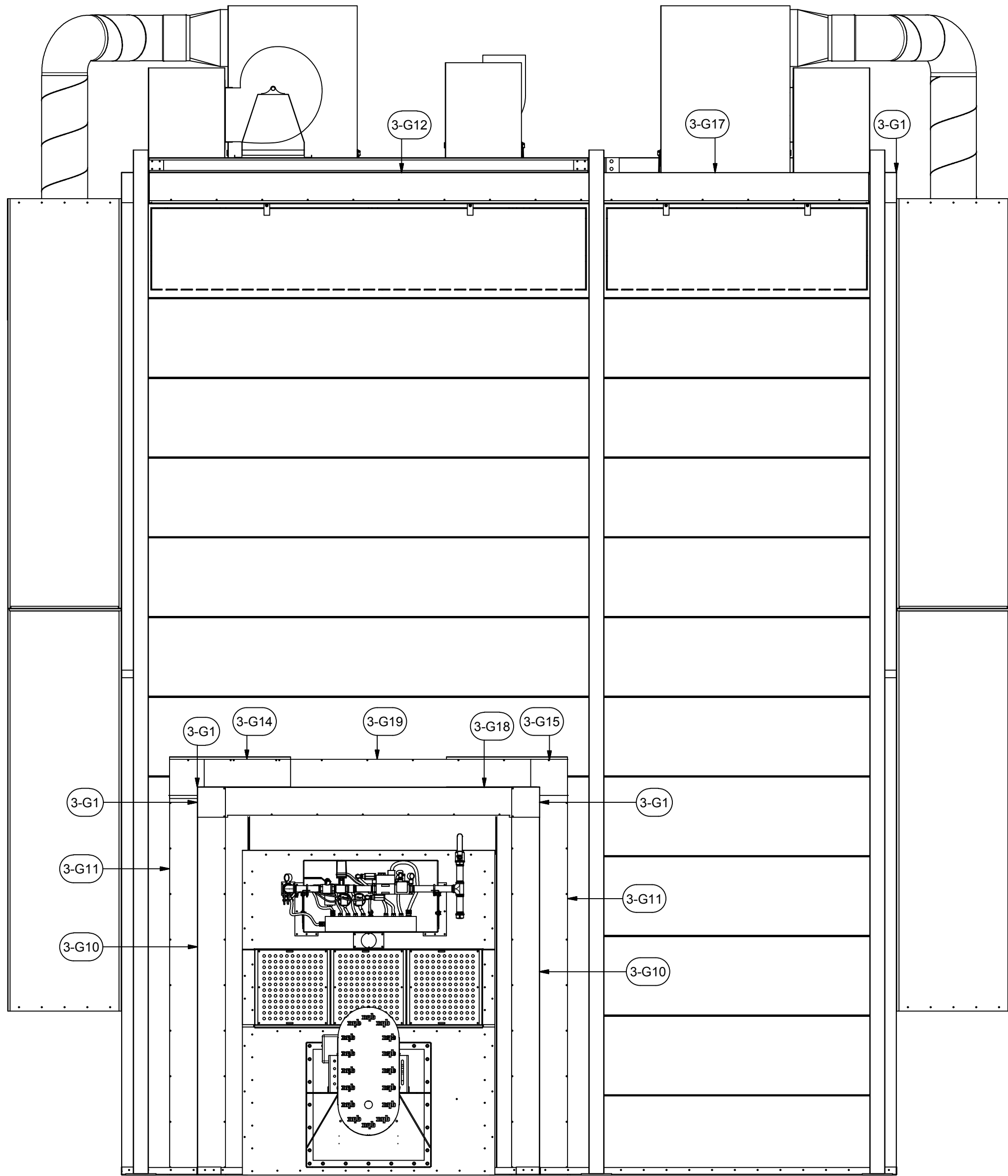
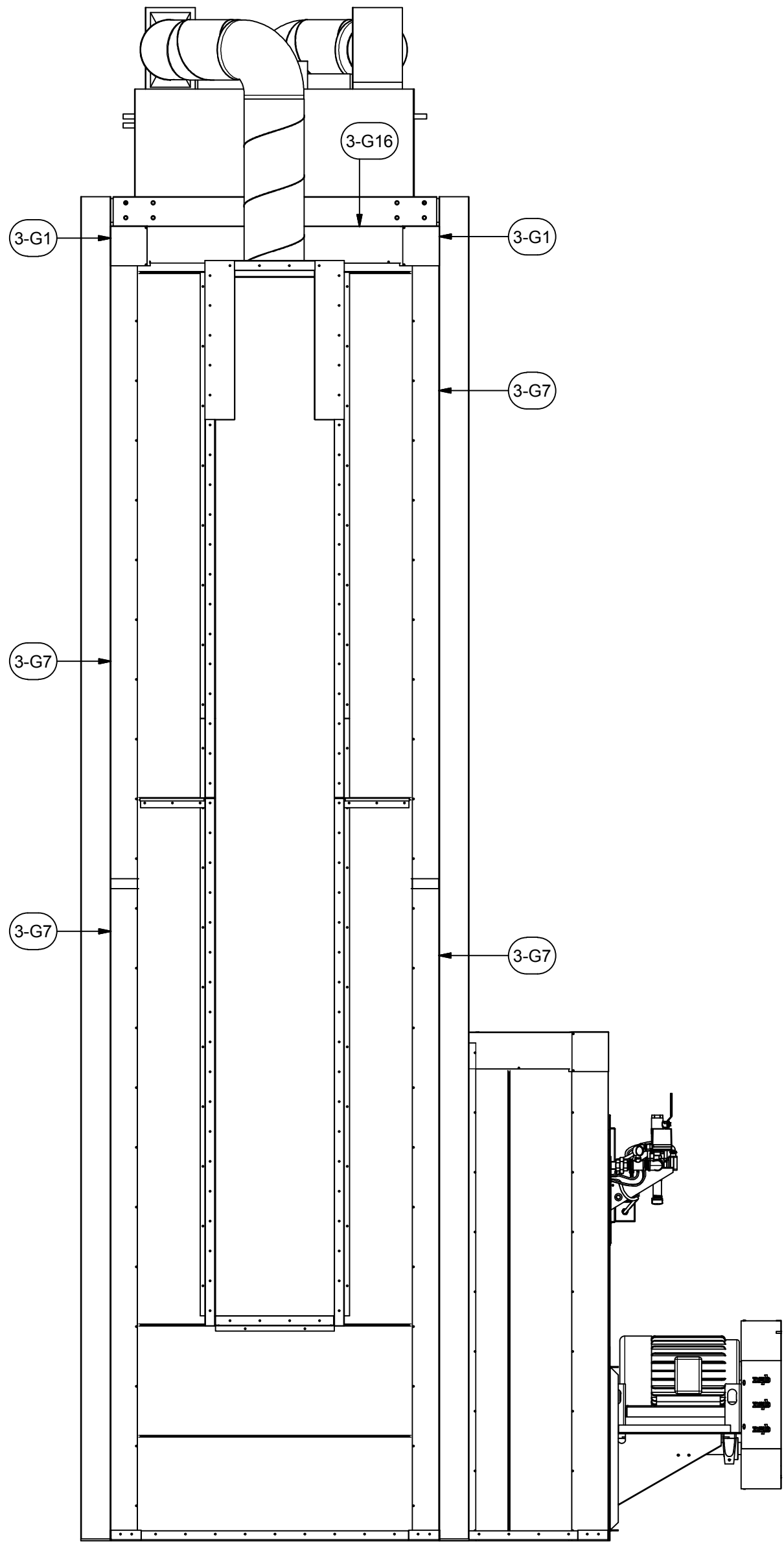
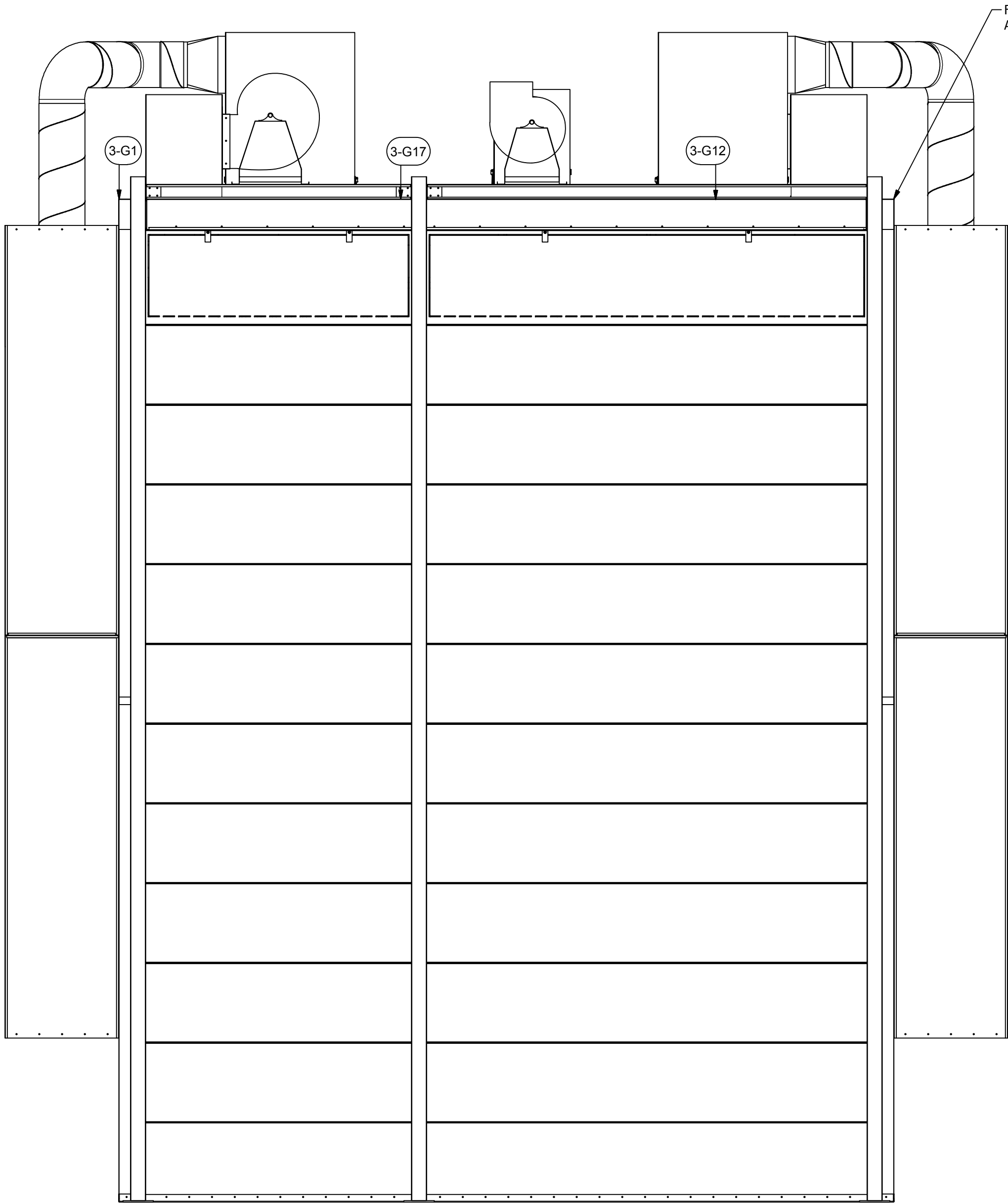
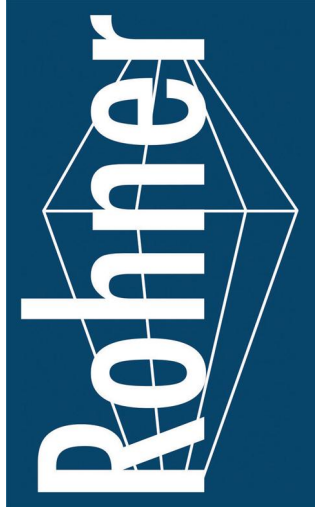
3.6



**NOTE:**  
EXTERIOR FLASHING FASTENS TO OVEN  
WITH PROVIDED HARDWARE (H1) 12" O.C.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-G1	6	20RI-CCA-8-8-8-02	20 ga Rigid Insulation- Corner Cap Angle
3-G2	4	20RI-C-6-132-01	20 ga Rigid Insulation- Cap
3-G3	1	20RI-C-6-52-01	20 ga Rigid Insulation- Cap
3-G4	2	20RI-C-8-106-01	20 ga Rigid Insulation- Cap
3-G5	1	20RI-C-8-90-01	20 ga Rigid Insulation- Cap
3-G6	2	20RI-CA-6-3-52-02	20 ga Rigid Insulation- Cap Angle
3-G7	8	20RI-CA-6-6-132-01	20 ga Rigid Insulation- Cap Angle
3-G8	8	20RI-CA-6-6-132-02	20 ga Rigid Insulation- Cap Angle
3-G9	4	20RI-CA-6-6-76-02	20 ga Rigid Insulation- Cap Angle
3-G10	2	20RI-CA-8-8-100-01	20 ga Rigid Insulation- Cap Angle
3-G11	2	20RI-CA-8-8-100-02	20 ga Rigid Insulation- Cap Angle
3-G12	2	20RI-CA-8-8-118-01	20 ga Rigid Insulation- Cap Angle
3-G13	2	20RI-CA-8-8-31-01	20 ga Rigid Insulation- Cap Angle
3-G14	1	20RI-CA-8-8-32-02	20 ga Rigid Insulation- Cap Angle
3-G15	1	20RI-CA-8-8-32-03	20 ga Rigid Insulation- Cap Angle
3-G16	2	20RI-CA-8-8-52-01	20 ga Rigid Insulation- Cap Angle
3-G17	2	20RI-CA-8-8-72-01	20 ga Rigid Insulation- Cap Angle
3-G18	1	20RI-CA-8-8-86-01	20 ga Rigid Insulation- Cap Angle
3-G19	1	20RI-CA-8-8-86-02	20 ga Rigid Insulation- Cap Angle
H1	1100	31818	(12N100UHWZ) #12 Tek's, 5/16x1
H23	330	MWBR002	RHT80 8# 2" x 24" x48" insulation
384	2	IC-COS 12 ATTO	Custom- Duct- 12" Air Tight Take Off

ROHNER MECHANICAL, INC.  
10000 ROHNER RD.  
26500  
SUITE 102  
VANCOUVER, WA 98661  
(360) 885-7641 VOICE  
WA LIC # R09NE01051H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



**EXTERIOR FLASHING**

A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 11/18/16  
REV: 16.1 - 11/18/16  
DESCRIPTION OF CHANGE(S): Construction Set

DRAWING TITLE:  
EXPLODED  
ISOMETRIC  
ASSEMBLY  
DRAWING

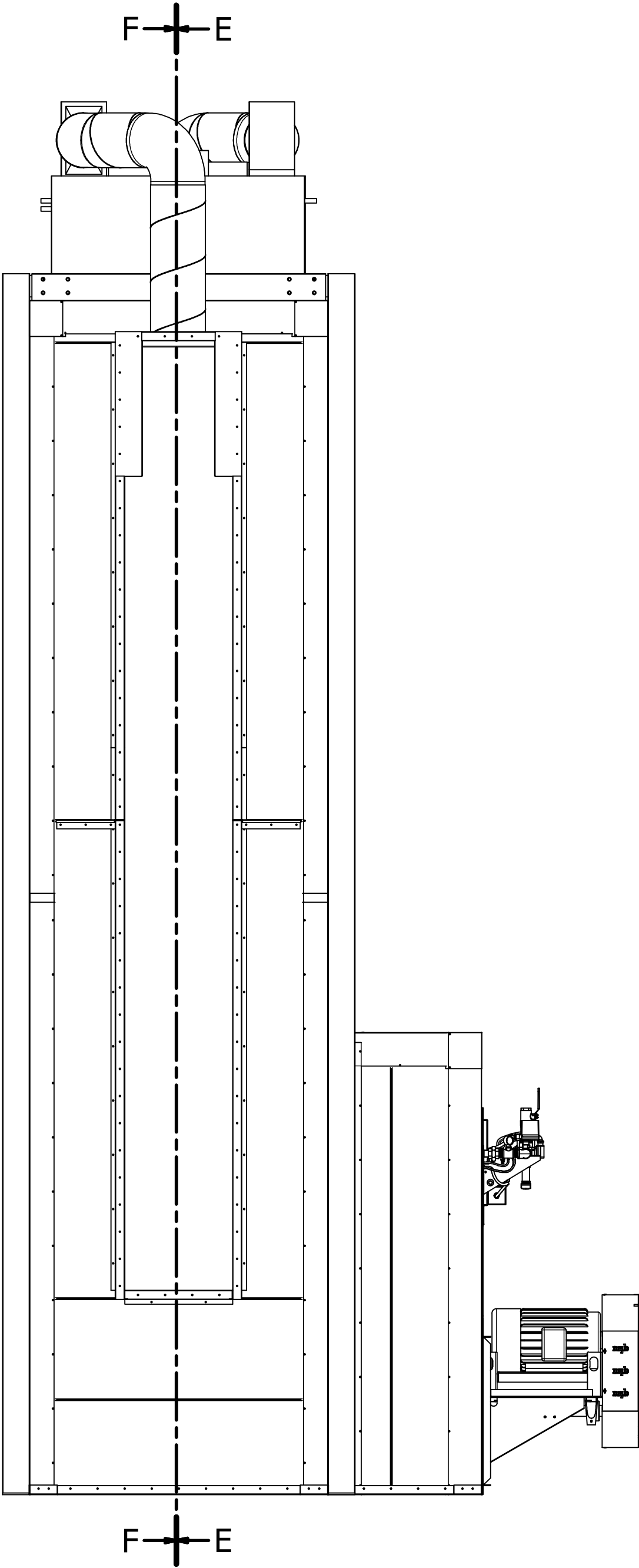
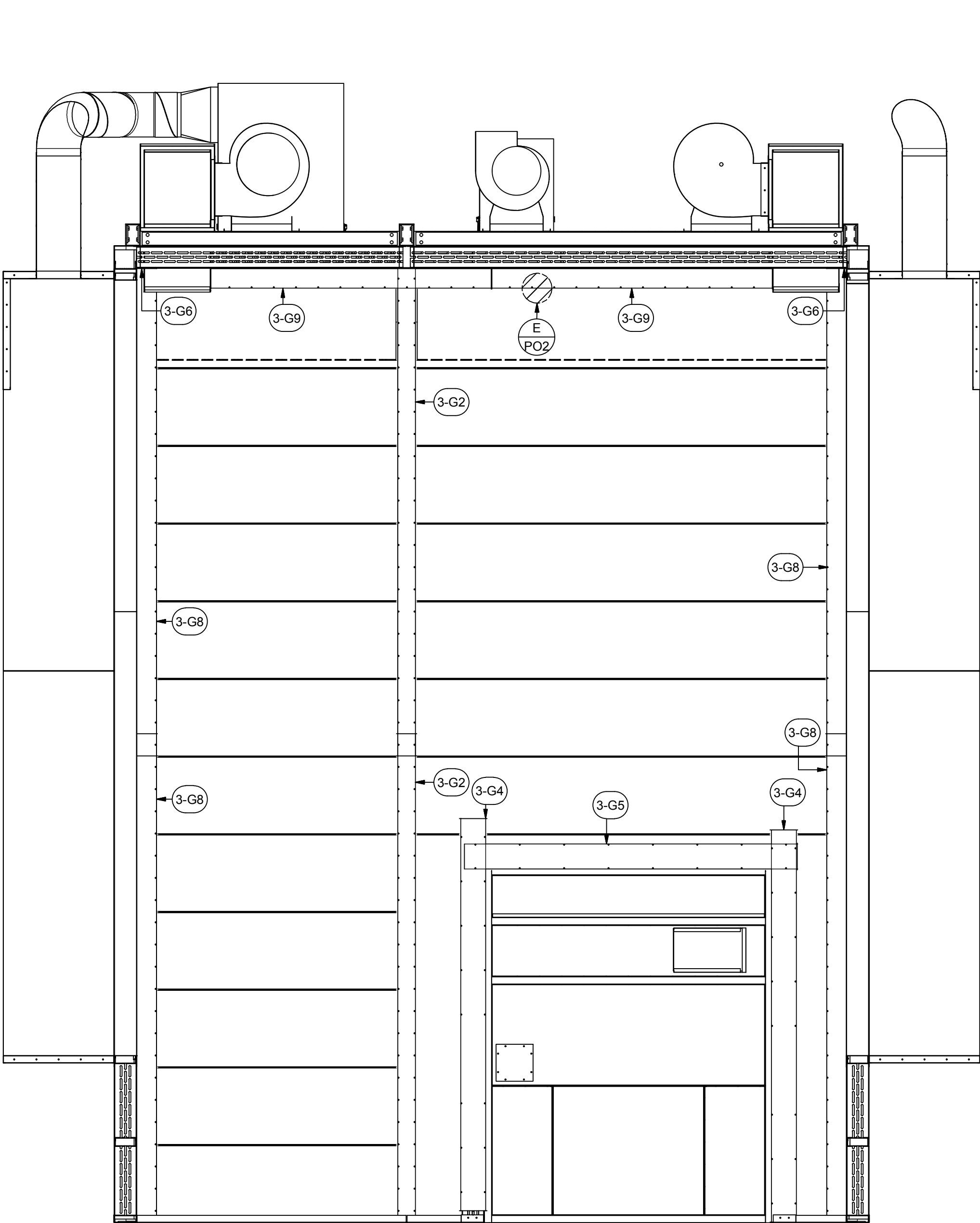
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EQUIP. NO: POHT-WP-4.5-21.5-17-01  
SHEET NO:



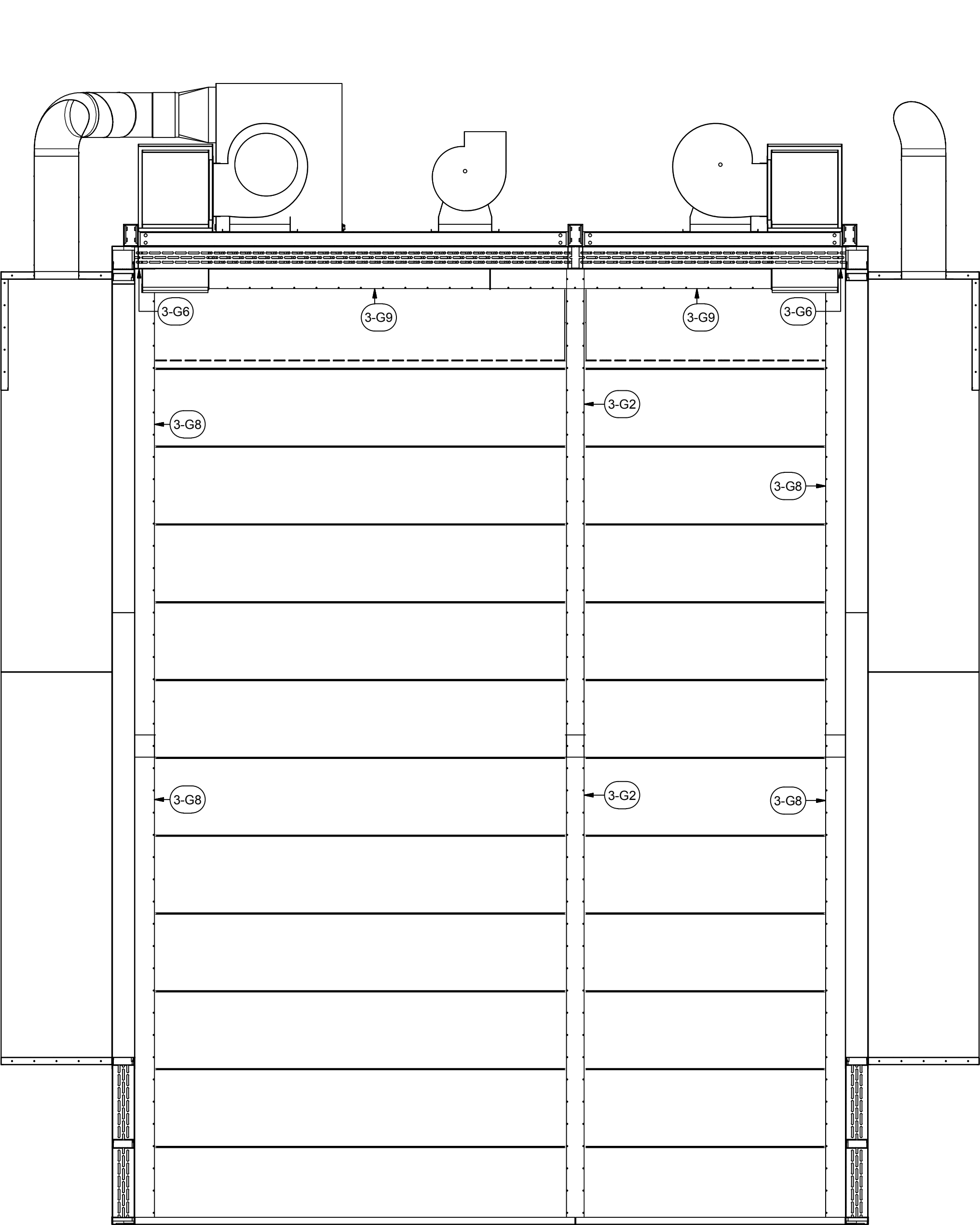
**NOTE:**  
EXTERIOR FLASHING FASTENS TO OVEN  
WITH PROVIDED HARDWARE (H1) 12" O.C.

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-G1	6	20RI-CCA-8-8-02	20 ga Rigid Insulation Corner Cap Angle
3-G2	4	20RI-C-6-132-01	20 ga Rigid Insulation- Cap
3-G3	1	20RI-C-6-52-01	20 ga Rigid Insulation- Cap
3-G4	2	20RI-C-8-106-01	20 ga Rigid Insulation- Cap
3-G5	1	20RI-C-8-90-01	20 ga Rigid Insulation- Cap
3-G6	2	20RI-CA-6-3-52-02	20 ga Rigid Insulation- Cap Angle
3-G7	8	20RI-CA-6-6-132-01	20 ga Rigid Insulation- Cap Angle
3-G8	8	20RI-CA-6-6-132-02	20 ga Rigid Insulation- Cap Angle
3-G9	4	20RI-CA-6-6-76-02	20 ga Rigid Insulation- Cap Angle
3-G10	2	20RI-CA-8-8-100-01	20 ga Rigid Insulation- Cap Angle
3-G11	2	20RI-CA-8-8-100-02	20 ga Rigid Insulation- Cap Angle
3-G12	2	20RI-CA-8-8-118-01	20 ga Rigid Insulation- Cap Angle
3-G13	2	20RI-CA-8-8-31-01	20 ga Rigid Insulation- Cap Angle
3-G14	1	20RI-CA-8-8-32-02	20 ga Rigid Insulation- Cap Angle
3-G15	1	20RI-CA-8-8-32-03	20 ga Rigid Insulation- Cap Angle
3-G16	2	20RI-CA-8-8-52-01	20 ga Rigid Insulation- Cap Angle
3-G17	2	20RI-CA-8-8-72-01	20 ga Rigid Insulation- Cap Angle
3-G18	1	20RI-CA-8-8-86-01	20 ga Rigid Insulation- Cap Angle
3-G19	1	20RI-CA-8-8-86-02	20 ga Rigid Insulation- Cap Angle
H1	1100	31818	(12N100UHWZ) #12 Tek's, 5/16x1
H23	330	IMWBR002	RHT80 8# 2" x 24" x48" insulation

ROHNER MECHANICAL, INC.  
1000 ROHNER DRIVE  
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OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



INTERIOR FLASHING



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

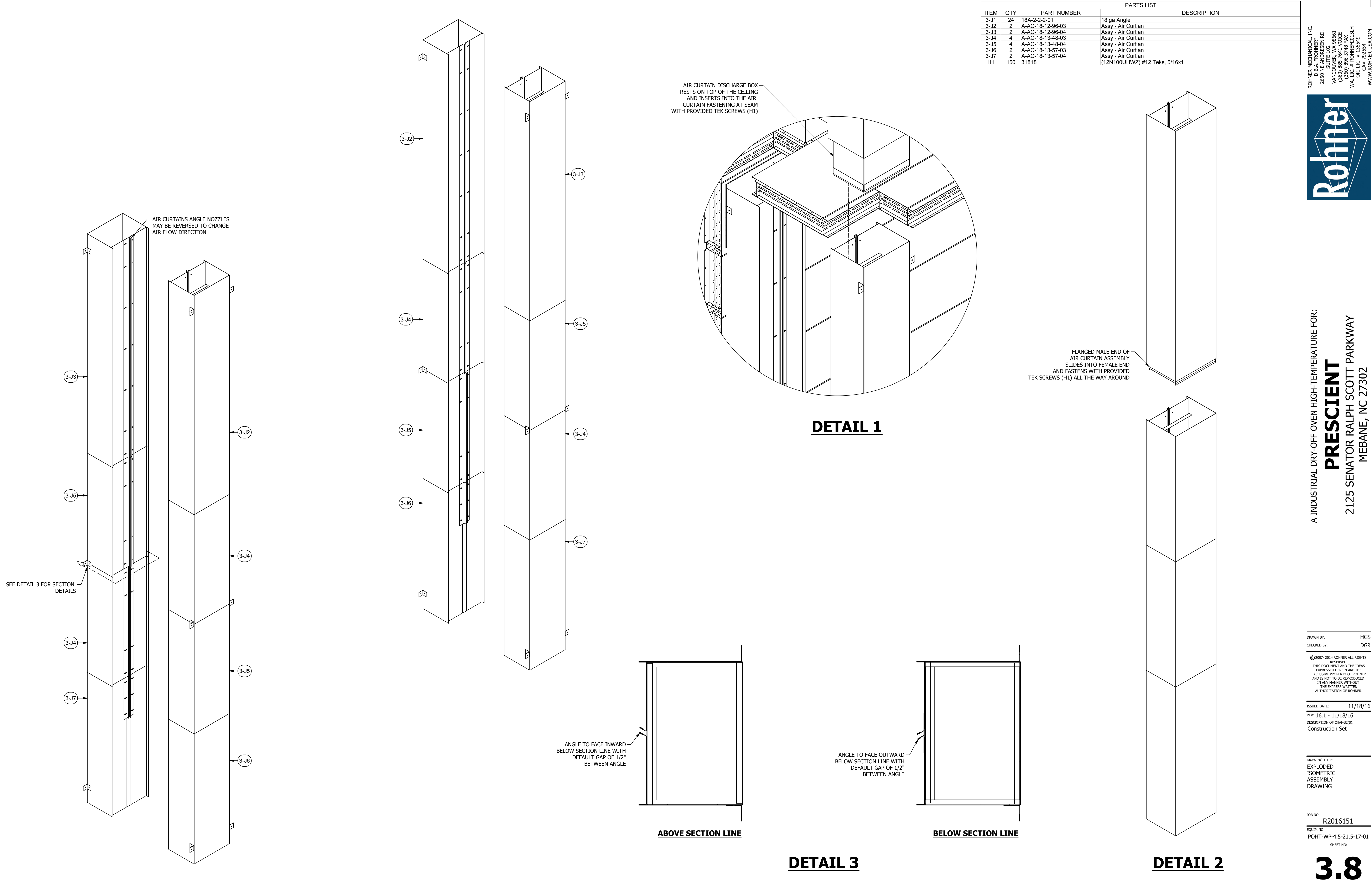
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DESCRIPTION OF CHANGE(S): Construction Set

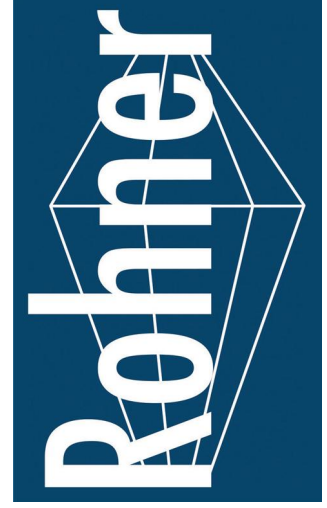
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JOB NO:  
R2016151  
EQUIP. NO:  
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SHEET NO:





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2650 N. 10TH STREET  
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WA LIC # R09NE01051H  
OR LIC # 135549  
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A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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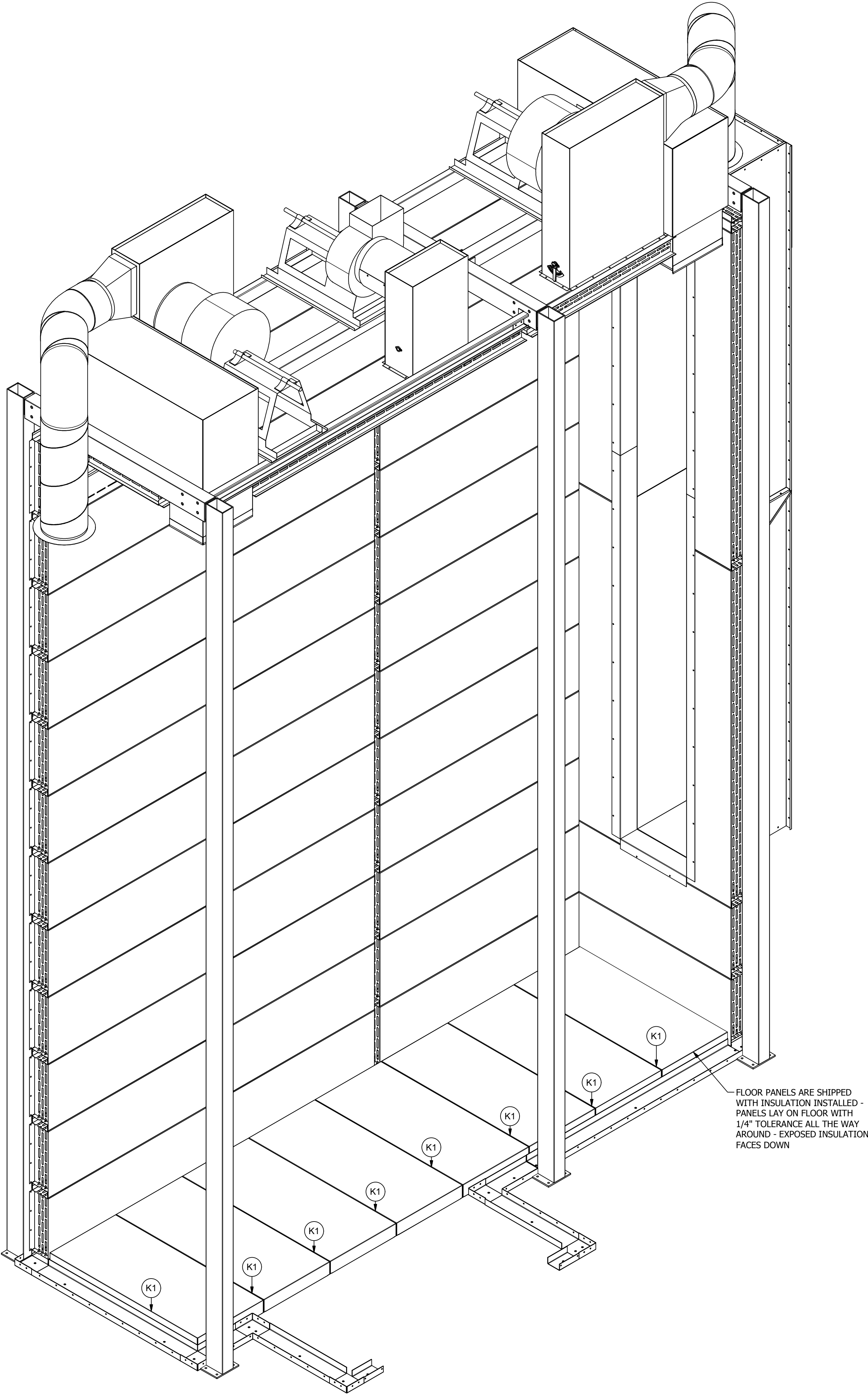
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DESCRIPTION OF CHANGE(S): Construction Set

DRAWING TITLE:  
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ASSEMBLY  
DRAWING

JOB NO: R2016151  
EQUIP. NO: POHT-WP-4.5-21.5-17-01  
SHEET NO:

3.8





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
K1	8	BP4-4-24-53.5-01	18 ga Booth Panel 4-sided pan

ROHNER MECHANICAL, INC.  
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WA LIC # ROHNE00151H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
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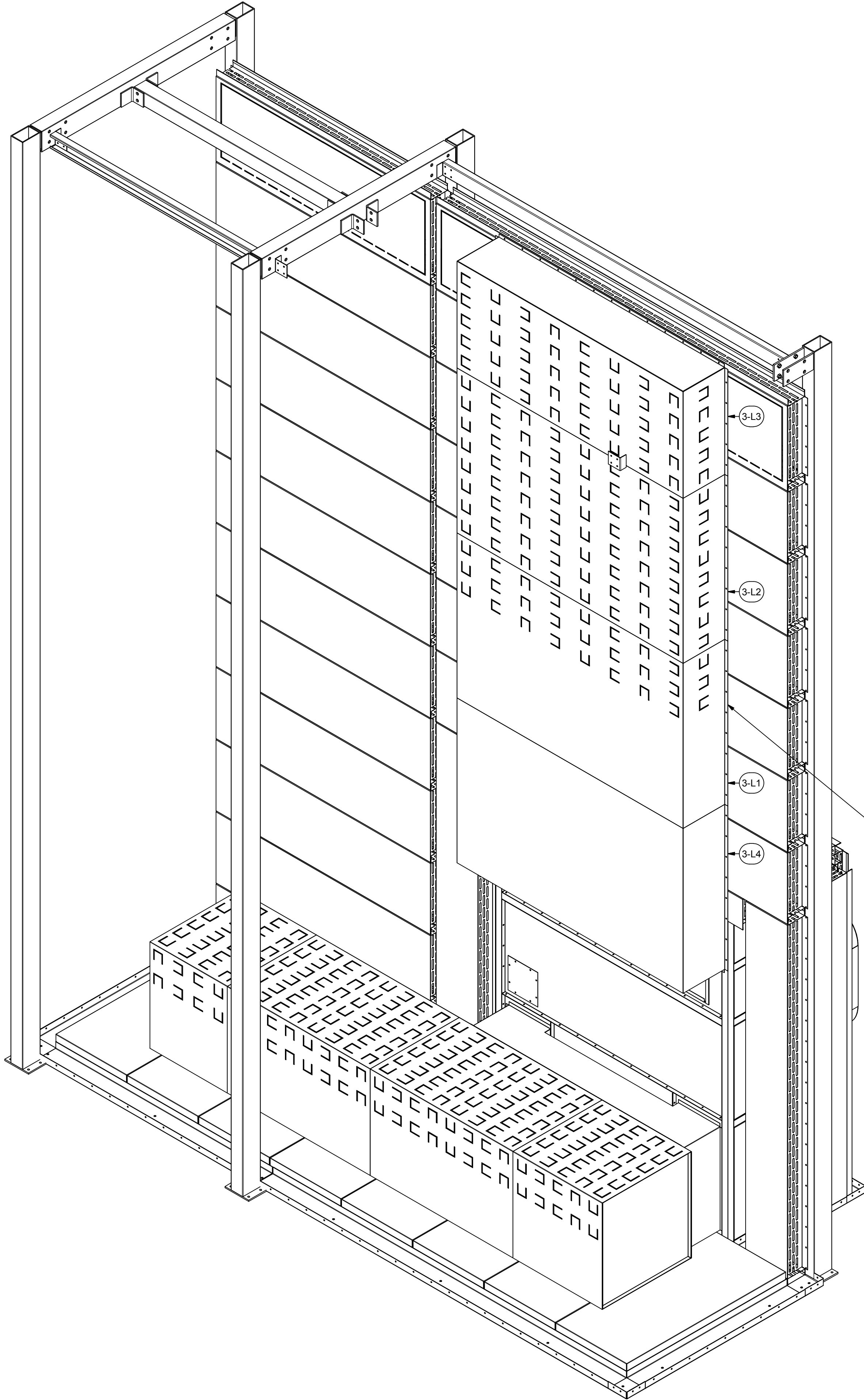
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DESCRIPTION OF CHANGE(S): Construction Set

DRAWING TITLE:  
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ASSEMBLY  
DRAWING

JOB NO: R2016151  
EQUIP. NO: POHT-WP-4.5-21.5-17-01  
SHEET NO:

3.9





RETURN DUCT FASTENS TO  
RETURN AIR INLET LOCATED  
AT THE TOP OF THE PROCESS  
HEATER - DUCT IS FASTENED  
TO THE PROCESS HEATER AND  
THE OVEN SIDEWALLS WITH  
PROVIDED TEK SCREWS (H1)

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-L1	1	A-18OD-14-76-48-01	Assv - Oven Duct
3-L2	1	A-18OD-14-76-48-02	Assv - Oven Duct
3-L3	1	A-18OD-E-14-76-31-01	Assv - Oven Duct End
3-L4	1	A-18OD-E-14-76-48-01	Assv - Oven Duct End
H1	160	31818	(12N100UHWZ) #12 Tek's, 5/16x1
384	2	C-COS 12 ATTO	Custom- Duct- 12" Air Tight Take Off

ROHNER MECHANICAL, INC.  
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SUITE 102  
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A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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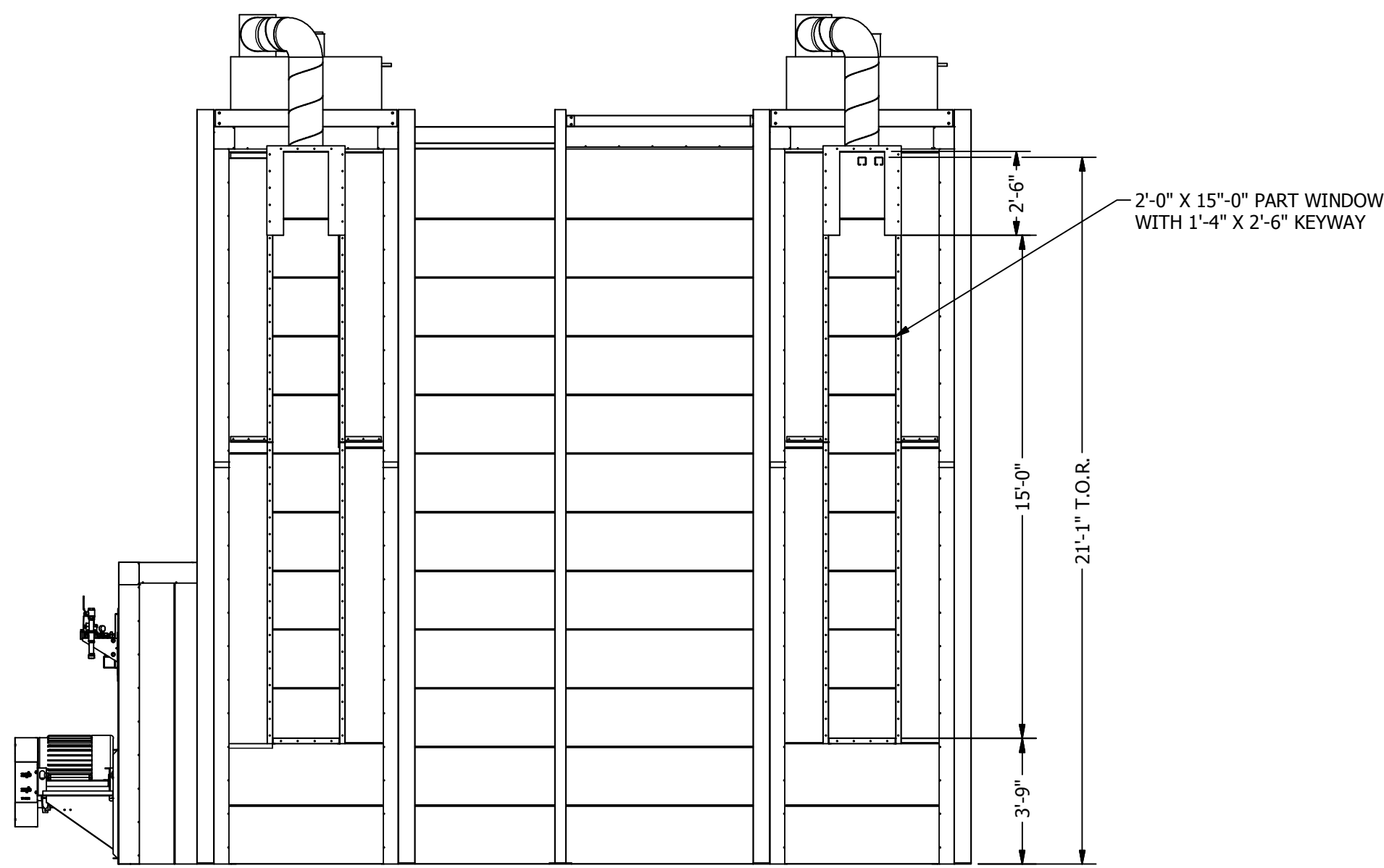
ISSUED DATE: 11/18/16  
REV: 16.1 - 11/18/16  
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Construction Set

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ISOMETRIC  
ASSEMBLY  
DRAWING

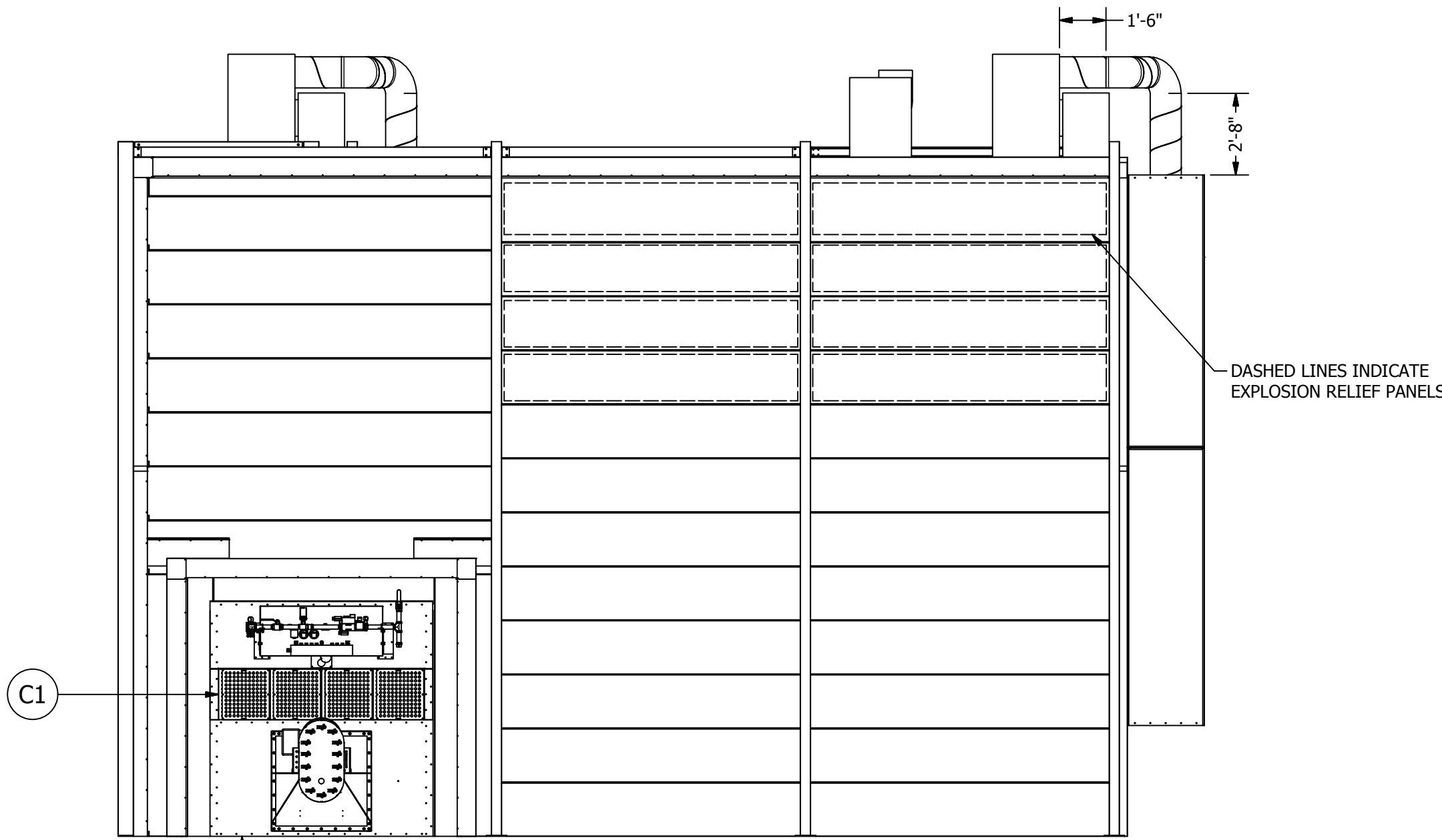
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EQUIP. NO:  
POHT-WP-4.5-21.5-17-01  
SHEET NO:

3.10

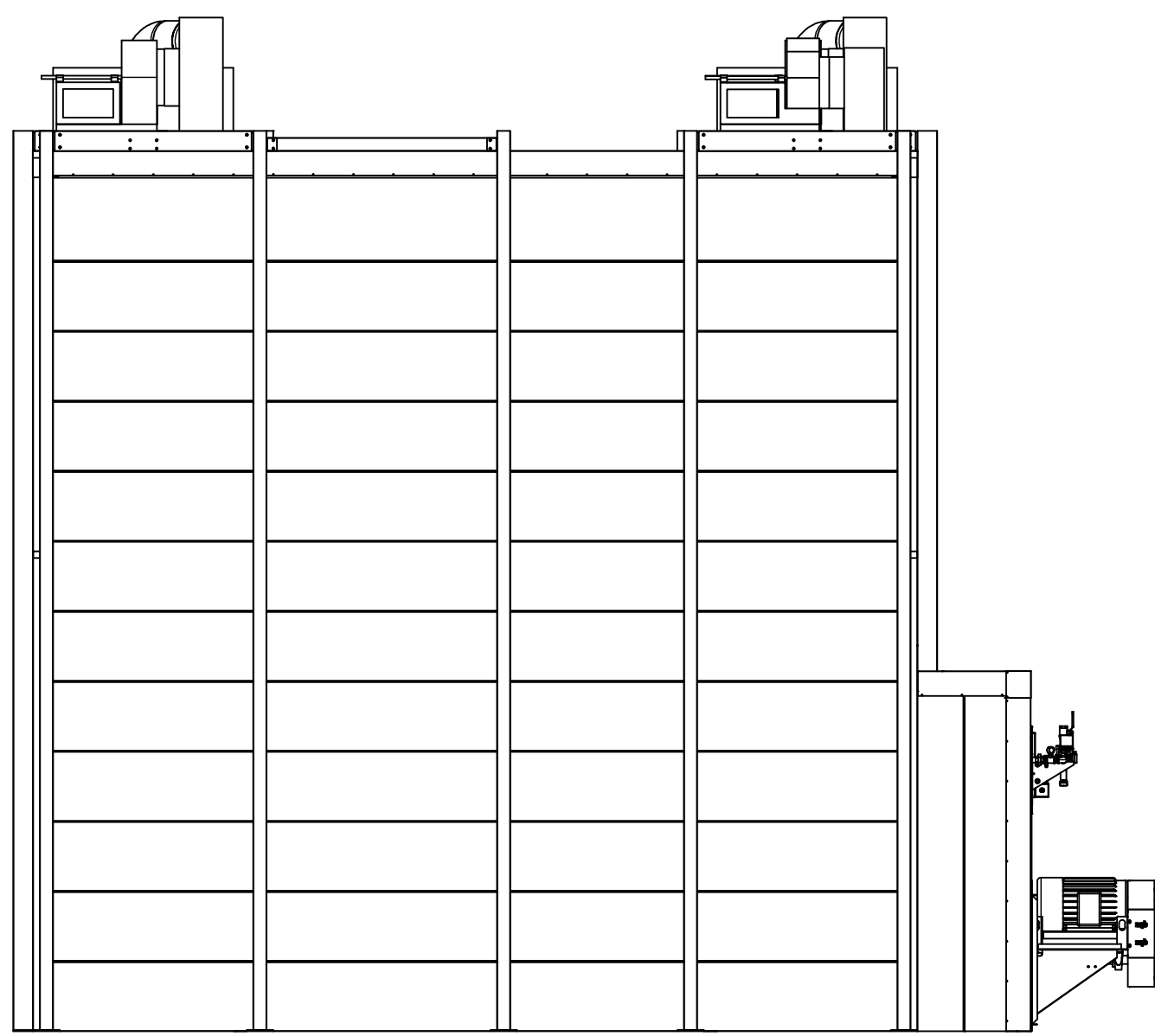




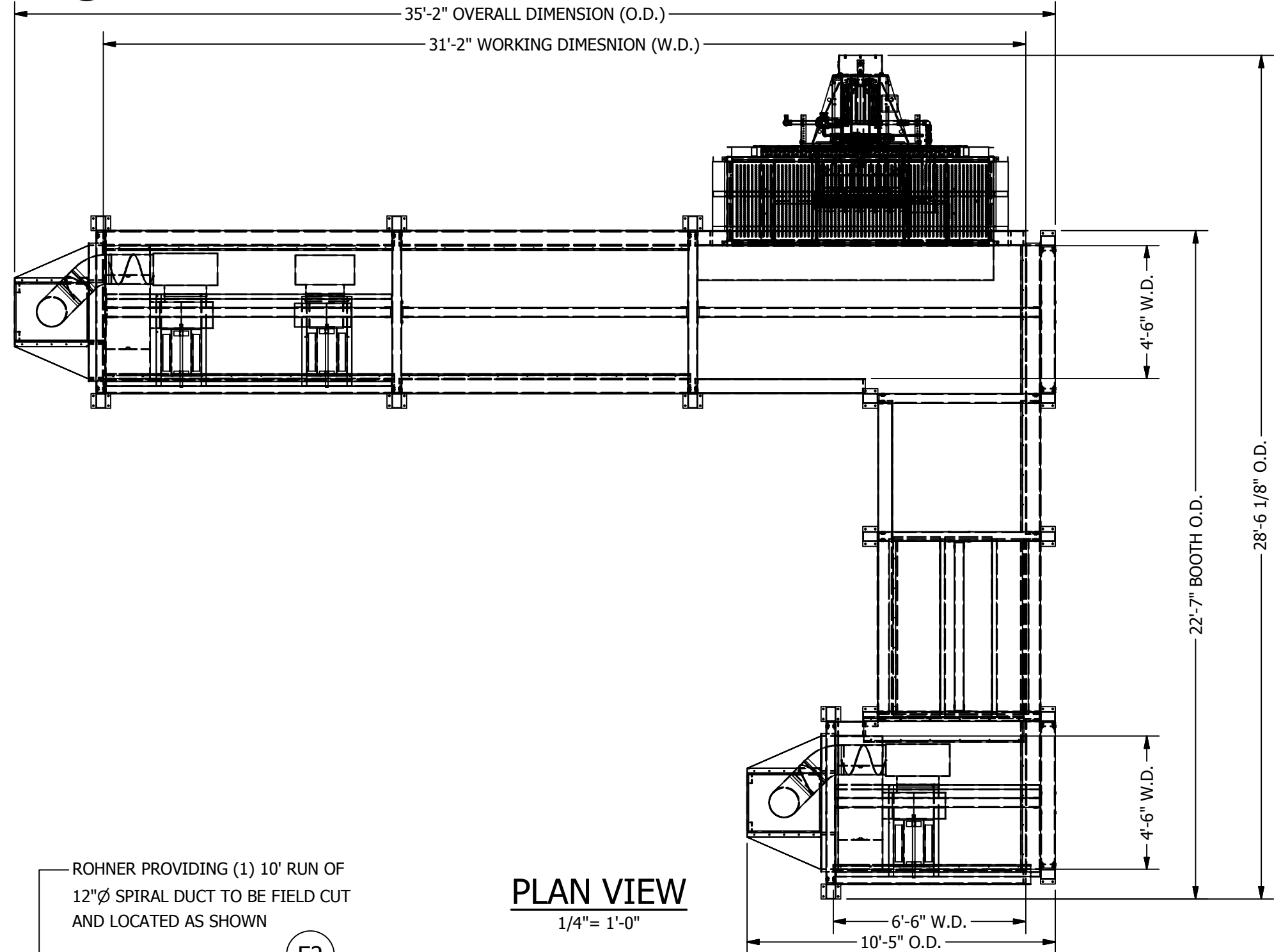
FRONT VIEW  
1/4"= 1'-0"



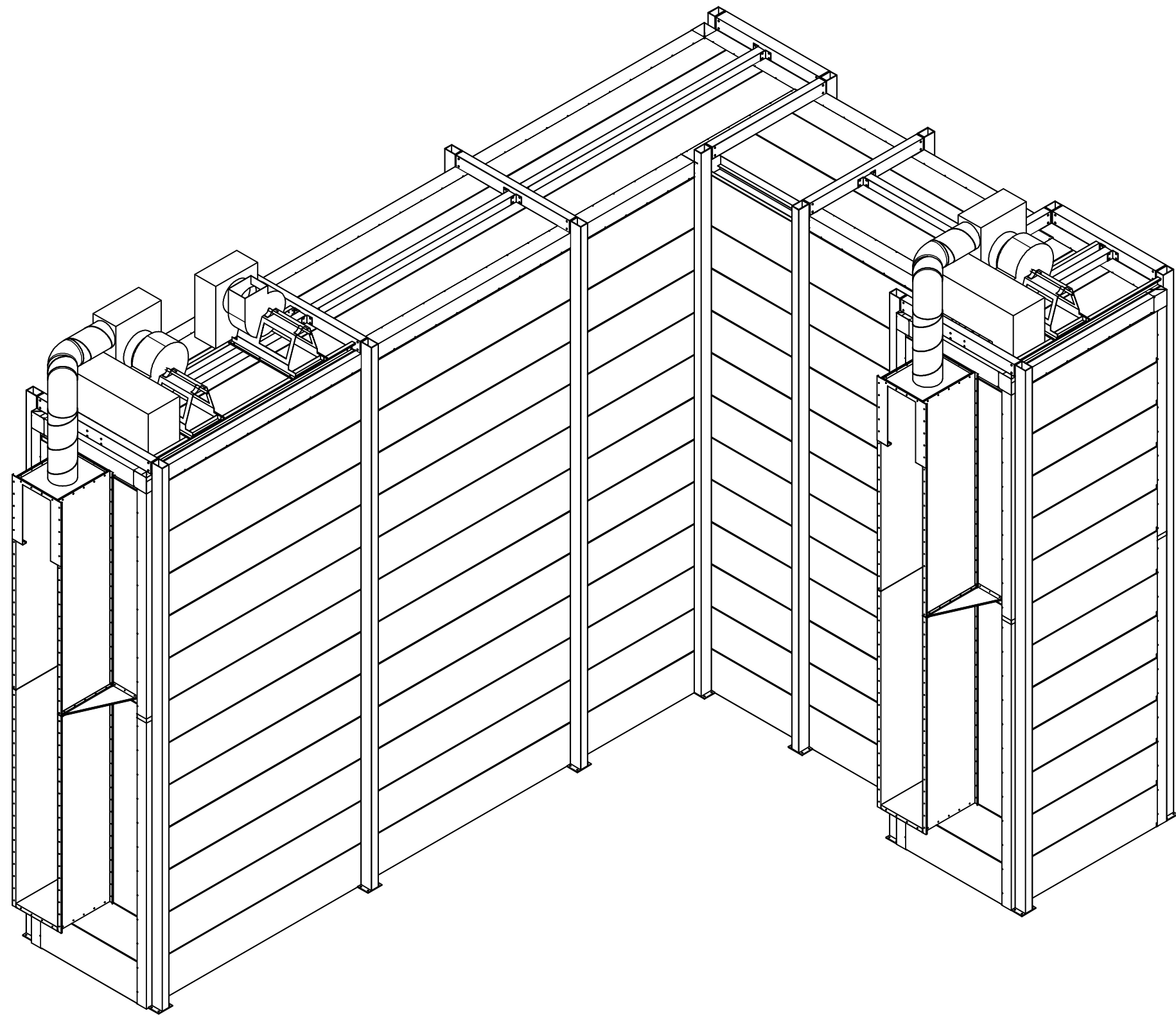
LEFT VIEW  
1/4"= 1'-0"



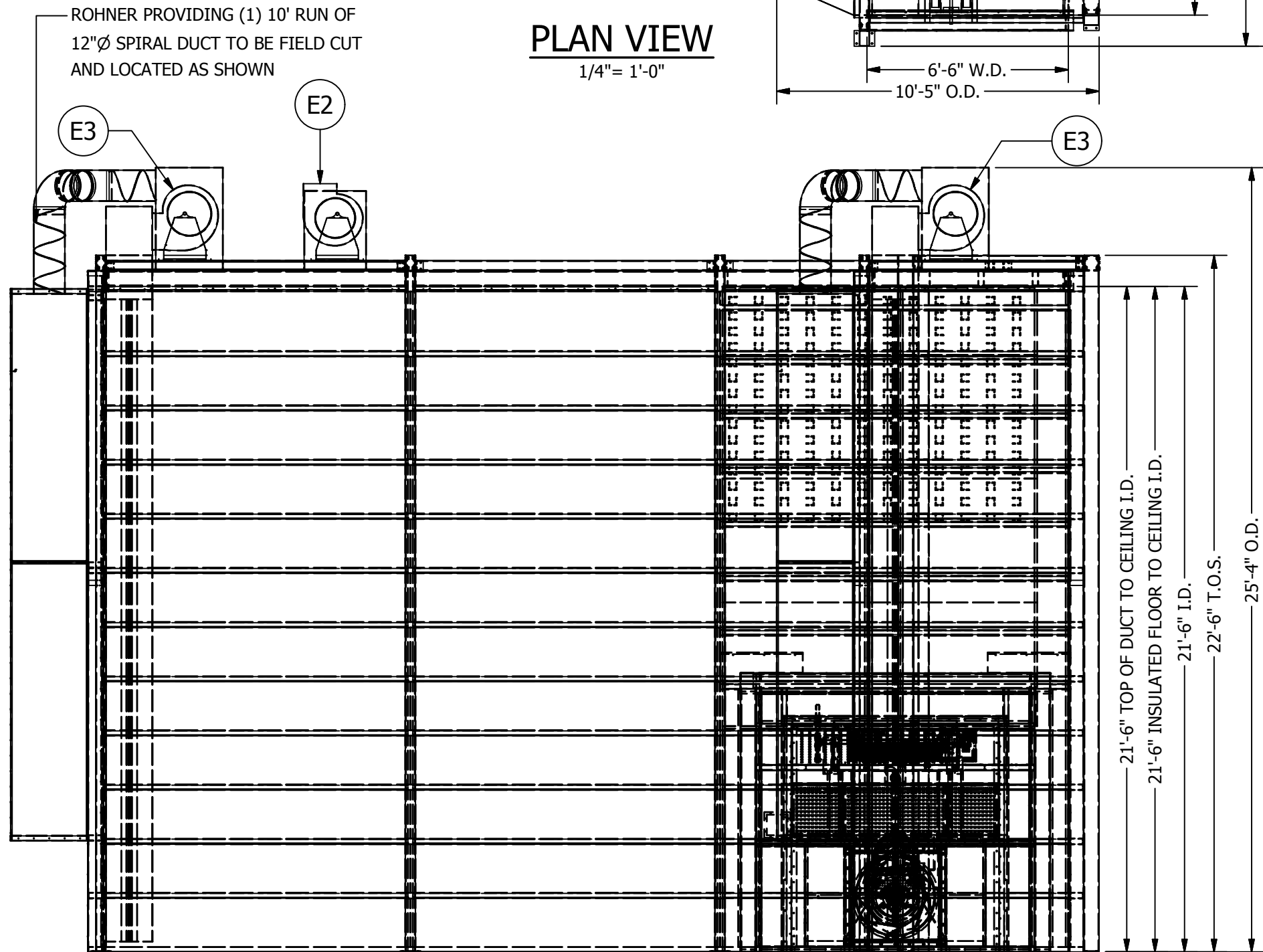
REAR VIEW  
1/4"= 1'-0"



PLAN VIEW  
1/4"= 1'-0"



ISOMETRIC VIEW  
NOT TO SCALE



RIGHT VIEW  
1/4"= 1'-0"

## APPROVED FOR CONSTRUCTION

POHT-WP4.5-21.5-50-WP - Natural Gas Fired Industrial CURE OVEN High Temp				
(1ea) Industrial Insulated Dry-Off Oven with (1) direct fired process heater, oven side wall mounted and one exhaust fan, oven top mounted. Filtered supply air is pulled from the interior of the building. Exhaust air is removed from the enclosure and delivered to the building exterior.				
BOOTH				
Tag	Qty.	Pck.	Part	Description
B1	1		POHT-WP-4.5-21.5-50-WP - Shk. 11	POHT-WP-4.5-21.5-50-WP - Structure - Sht. 1.1
B2	2		POHT-WP-4.5-21.5-50-WP - Shk. 12	POHT-WP-4.5-21.5-50-WP - Floor Track - Sht. 1.2
B3	3		POHT-WP-4.5-21.5-50-WP - Shk. 13	POHT-WP-4.5-21.5-50-WP - Sidewalls - Sht. 1.3
B4	4		POHT-WP-4.5-21.5-50-WP - Shk. 14	POHT-WP-4.5-21.5-50-WP - Endwalls - Sht. 1.4
B5	5		POHT-WP-4.5-21.5-50-WP - Shk. 15	POHT-WP-4.5-21.5-50-WP - Ceiling - Sht. 1.5
B6	6		POHT-WP-4.5-21.5-50-WP - Shk. 16	POHT-WP-4.5-21.5-50-WP - Duct - Sht. 1.6
B7	7		POHT-WP-4.5-21.5-50-WP - Shk. 17	POHT-WP-4.5-21.5-50-WP - Flashing - Sht. 1.7
EQUIPMENT				
E1	1		A-PH-C	Natural Gas Direct Fired Process Heater 2.0 Million BTU, 20,000 CFM, 20hp
E2	1		CSW-12-BI-21-104-7	Series 21 Backward Inclined Single Width Fan, 1600 cfm @ 5" s.p., 75 hp
E3	2		CSW-12-BI-21-104I-50	Series 21 Backward Inclined Single Width Fan, 3000 cfm @ 3" s.p., 5 hp 460V/3/60
COMPONENTS				
C1	4		01AFR2020-20	#01AFR2020-20 - Intake AFR1 Panel- white
ASSEMBLIES				
A1	4		A-AC-12-18-180	Air Curtain Assembly - 12" x 18" over 15'
CONTROLS				
CO1	1		POHT PLC	Compact PLC based control center- 24VDC power supply, 24 I/O PLC controller, PID temperature control relay with auto tuning & 5.7" QVGA color touch screen HMI. (1) 20 hp., (2) 5 hp. & (1) 3/4 motor starters.
DUCT				
D1	1		D20-SQR-1013.25-14	Exhaust Duct- Square to Round- 10" x 13.25" to 16" dia. Over 1"
D2	2		D20-R-16D-48	Exhaust Duct- 16" Dia. Over 4'
D3	1		D-RWS-20D	Exhaust Duct- Rockwool Sleeve, 20" Dia. Over 4' w/ Storm Collar
D4	1		SC-16	Exhaust Duct- Storm Collar- 16"
D5	1		SC-18	Exhaust Duct- Storm Collar- 18"
D7	1		CC-16	China Cap- 16" Dia
D8	1		D-RRJ-22D	Exhaust Duct- Flat Conical Roof Jack Assembly- 22" for 20" Duct w/ storm collar
D9	1		D18-S-18d-45	Exhaust Duct- Sleeve, 18" Dia.
D10	1		CSP-12-10-26GA	Spiral Pipe 12"X10' 26Ga
D11	2		CEL-12-24-45	12" Adjustable 45 degree Elbow
D12	2		COS 12 ATTO D	12" Air Tight Take Off With Damper
D13	2		D20-SQR-815-12	Exhaust Duct- Square to Round- 8" x 15" to 12" dia. Over 1"
D14	2		CEL-12-24-90	12" Adjustable 90 degree Elbow
GENERAL NOTES				
Enclosure constructed using 20ga. Aluminized sheet steel cold formed, pre-punched and fabricated double skin panels insulated with 6"				
Includes all assembly materials, fasteners and caulking				
MEETS OR EXCEEDS REQUIREMENTS OF NFPA 33 AND OSHA REGULATIONS				

ROHNER MECHANICAL, INC.  
P.O. BOX 1000  
2650 N. JENSEN RD.  
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(360) 885-7641 FAX  
WA LIC # R09NE00151H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:

**PRESCIENT**

2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 10-5-16

REV: 16.1 - 10/11/16

DESCRIPTION OF CHANGE(S):  
1. 6"Ø ADDED TO CENTER SECTION AND REMOVED FROM EXIT SECTION

DRAWING TITLE:  
FLOOR PLANS/  
ELEVATIONS/  
SECTIONS

JOB NO:  
R2016151

EQUIP. NO:  
POHT-WP-4.5-21.5-50-WP

SHEET NO:

4



ROHNER MECHANICAL, INC.  
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2650 NE ANDRESEN RD.  
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(360) 896-5748 FAX  
WA. LIC. # ROHNEMI015LH  
OR. LIC. # 135549  
CA# 792654  
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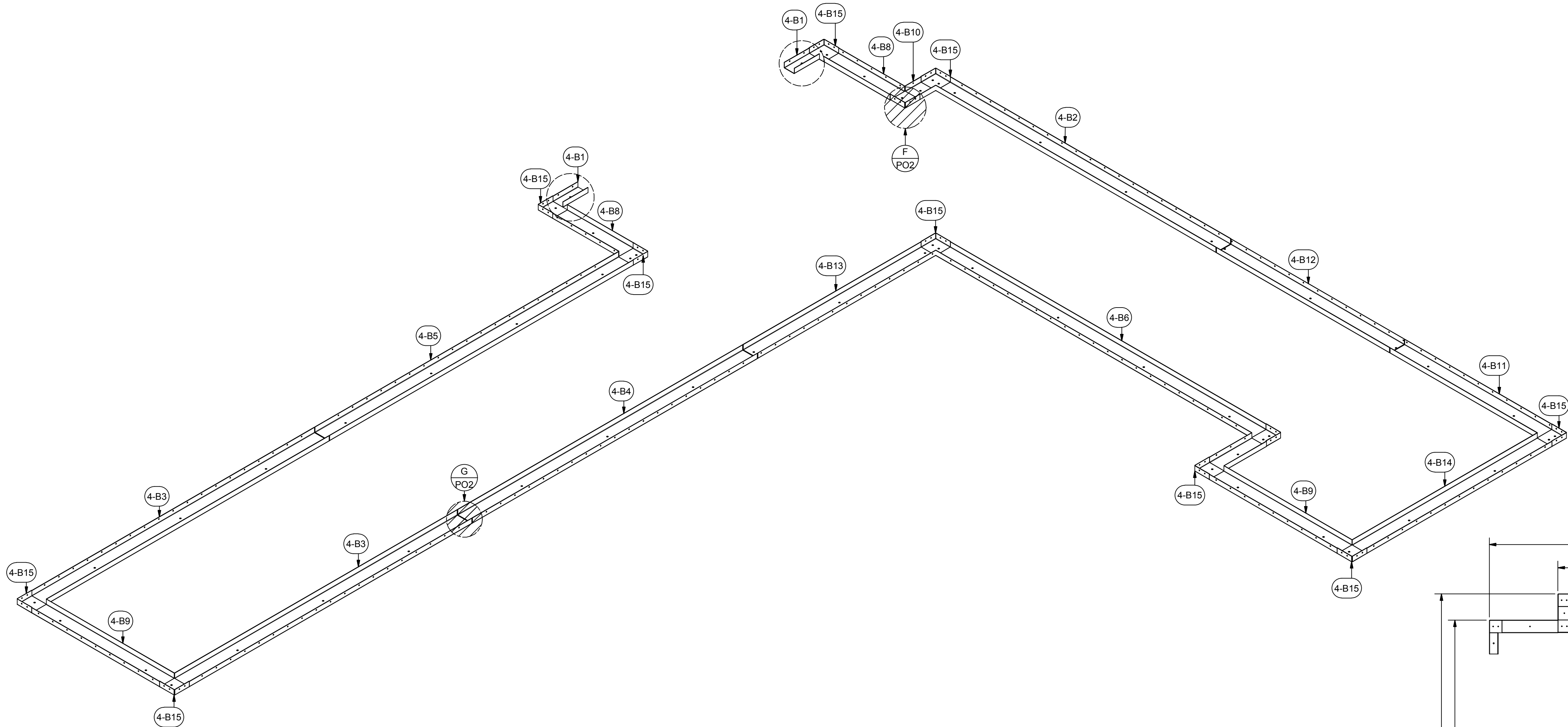


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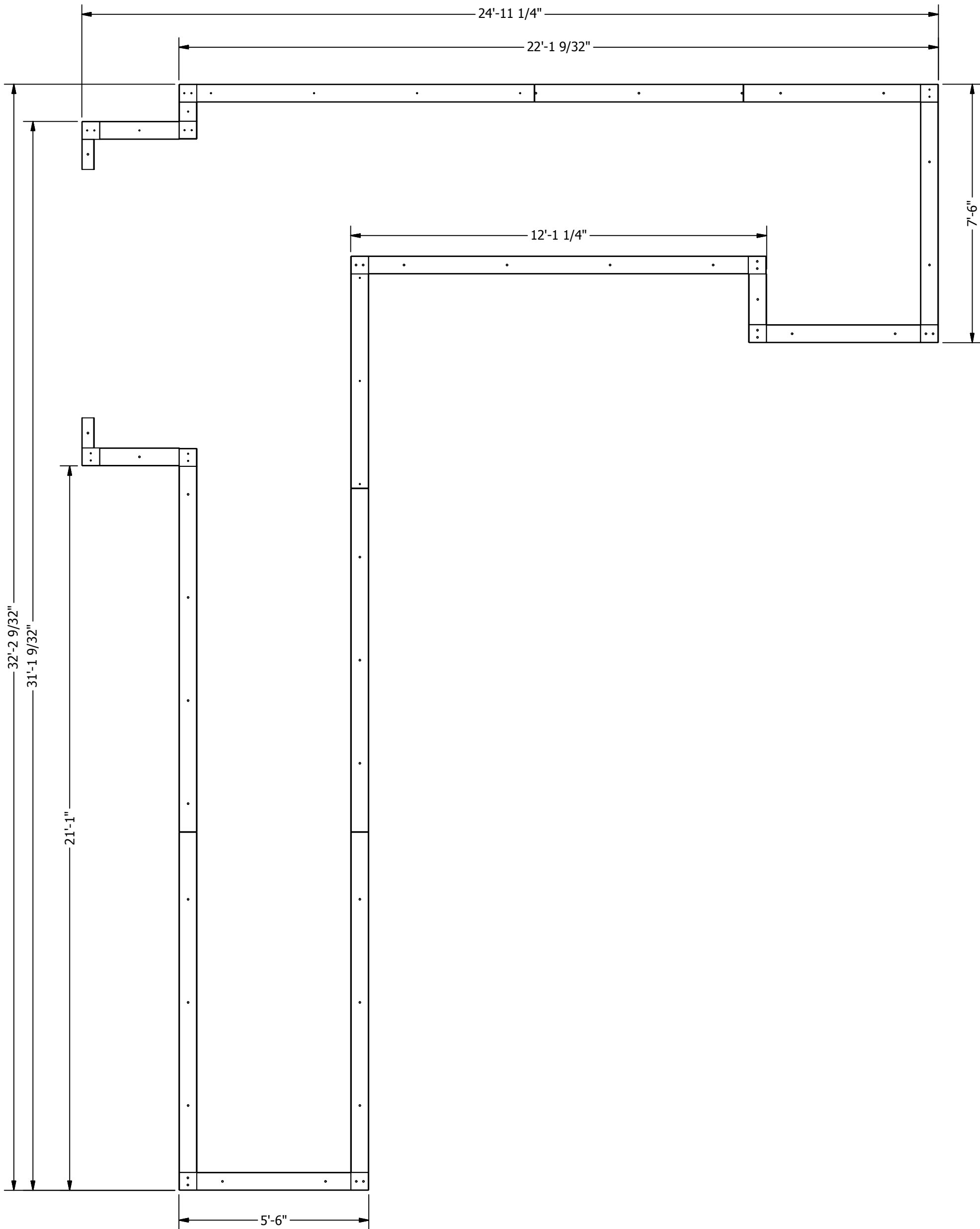
SHEET NO:





		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
4-B1	2	IWP-FT-2.4.1-10.5-01	12 ga Insulated Wall Panel Floor Track
4-B2	1	IWP-FT-2.6.1-117.8-01	12 ga Insulated Wall Panel Floor Track
4-B3	2	IWP-FT-2.6.1-118.8-01	12 ga Insulated Wall Panel Floor Track
4-B4	1	IWP-FT-2.6.1-119.75-01	12 ga Insulated Wall Panel Floor Track
4-B5	1	IWP-FT-2.6.1-127.6-01	12 ga Insulated Wall Panel Floor Track
4-B6	1	IWP-FT-2.6.1-132.7-01	12 ga Insulated Wall Panel Floor Track
4-B7	1	IWP-FT-2.6.1-17.8-01	12 ga Insulated Wall Panel Floor Track
4-B8	2	IWP-FT-2.6.1-27.7-01	12 ga Insulated Wall Panel Floor Track
4-B9	2	IWP-FT-2.6.1-53.8-01	12 ga Insulated Wall Panel Floor Track
4-B10	1	IWP-FT-2.6.1-6.6-01	12 ga Insulated Wall Panel Floor Track
4-B11	1	IWP-FT-2.6.1-61.8-01	12 ga Insulated Wall Panel Floor Track
4-B12	1	IWP-FT-2.6.1-72.75-01	12 ga Insulated Wall Panel Floor Track
4-B13	1	IWP-FT-2.6.1-74.76-01	12 ga Insulated Wall Panel Floor Track
4-B14	1	IWP-FT-2.6.1-77.8-01	12 ga Insulated Wall Panel Floor Track
4-B15	12	IWP-FT-C-6.3-6.3-2	12 ga Insulated Wall Panel Floor Track Corner
HT	230	31818	(12N100UHYZ) #12 Teks, 5/16x1

**NOTE:**  
INDICATED FLOOR TRACK TO BE INSTALLED  
AFTER PROCESS HEATER



A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
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ISSUED DATE: 12/28/16  
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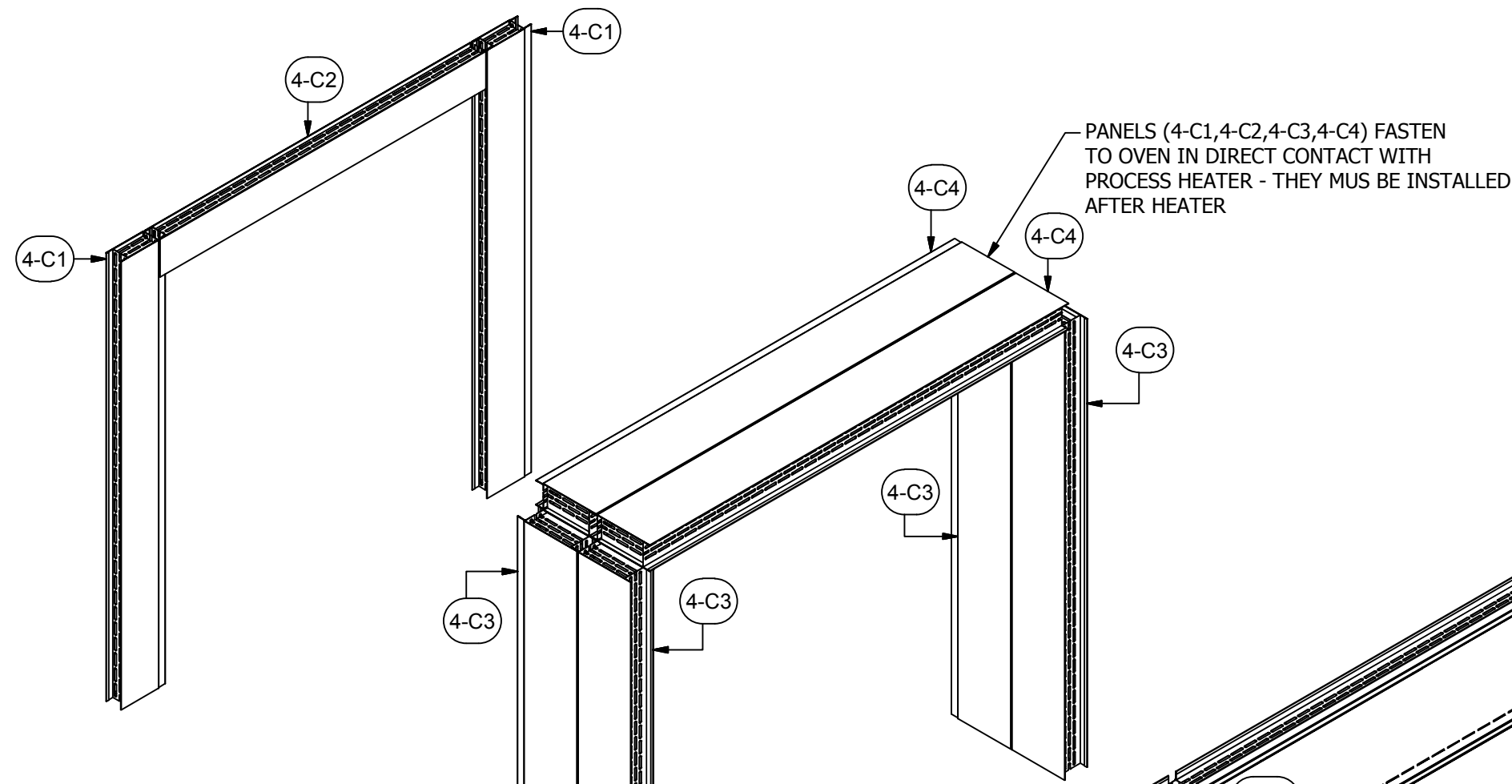
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ASSEMBLY  
DRAWING

JOB NO: R2016151  
EQUIP. NO: POHT-WP-4.5-21.5-50  
SHEET NO:

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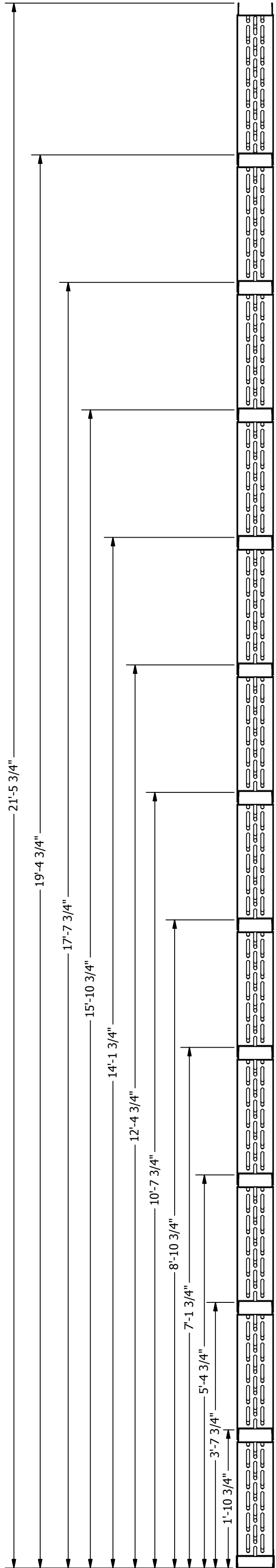
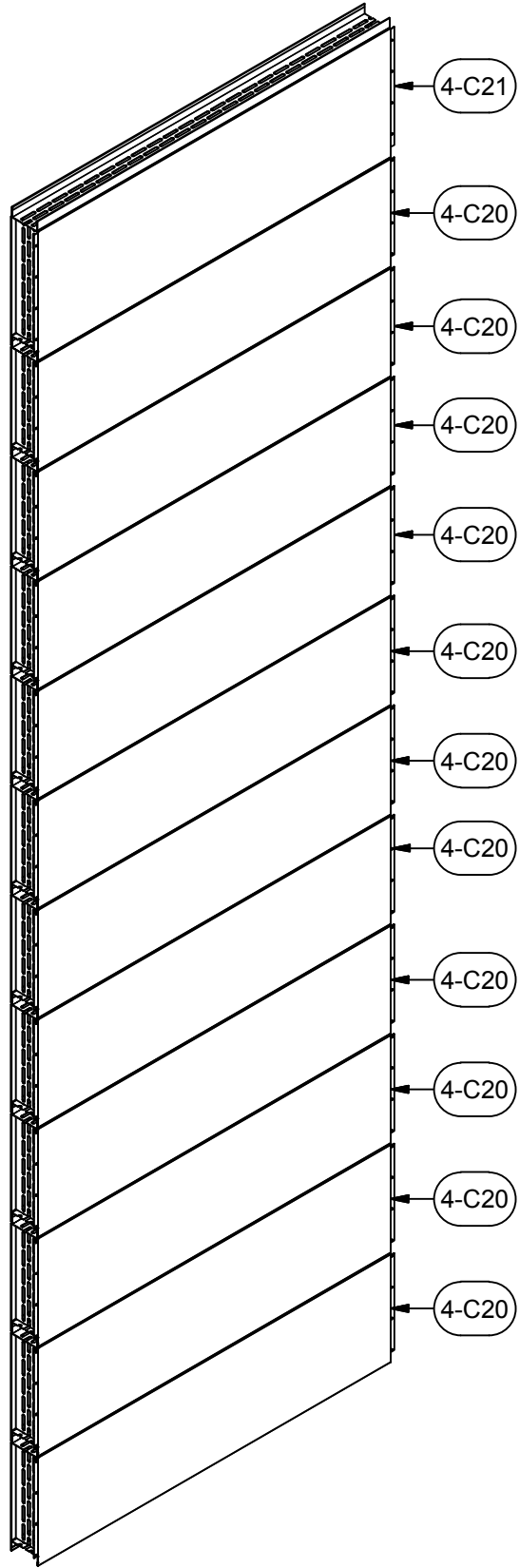
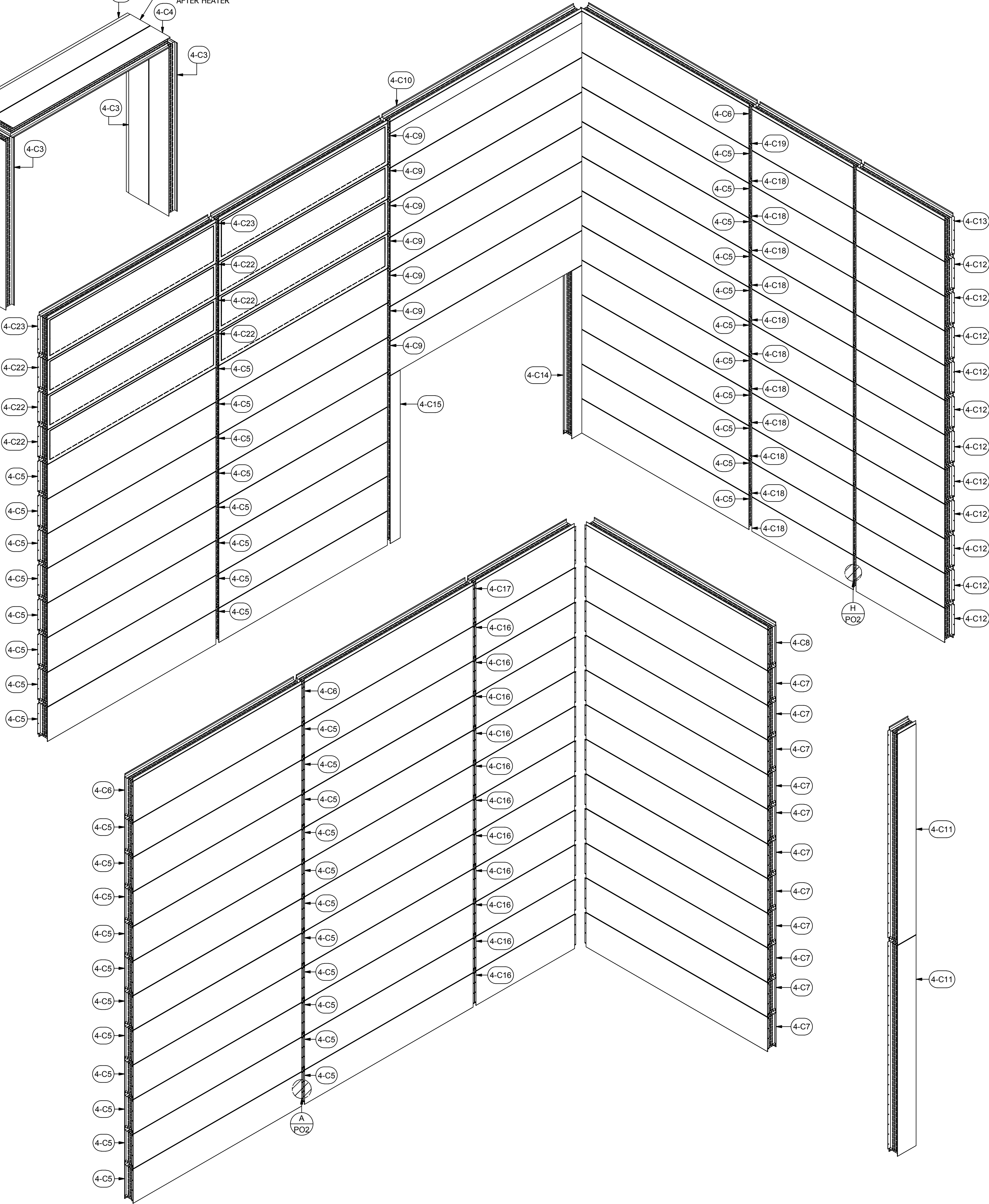




NOTE:

1. FIELD CUT AND INSTALL 2" INSULATION IN HORIZONTAL PANEL SEAMS
2. FIELD CUT AND INSTALL 1" INSULATION IN VERTICAL PANEL ENDS
3. FIELD CUT AND INSTALL 2" INSULATION IN VERTICAL SEAM BETWEEN PANELS
4. FIELD CUT AND INSTALL 2" INSULATION IN ALL PRODUCT DOOR FRAME ENDS AND CORNERS OF OVEN (STUFF TIGHTLY LEAVING NO AIR GAPS TO PREVENT BURNOUT)
5. VERIFY HEIGHT OF WALL PANELS WITH EACH PANEL ADDITION

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4-C1	2	A-IWP-4-102-11.8-04	Assy - Insulated Wall Panel
4-C2	1	A-IWP-4-11.6-87.6-01	Assy - Insulated Wall Panel
4-C3	4	A-IWP-6-102-15.8-04	Assy - Insulated Wall Panel
4-C4	2	A-IWP-6-110-15.8-04	Assy - Insulated Wall Panel
4-C5	49	A-IWP-6-120-22.6-01	Assy - Insulated Wall Panel
4-C6	3	A-IWP-6-120-26.6-01	Assy - Insulated Wall Panel
4-C7	11	A-IWP-6-129-22.6-01	Assy - Insulated Wall Panel
4-C8	1	A-IWP-6-129-26.6-01	Assy - Insulated Wall Panel
4-C9	7	A-IWP-6-136-22.6-01	Assy - Insulated Wall Panel
4-C10	1	A-IWP-6-136-9-01	Assy - Insulated Wall Panel
4-C11	2	A-IWP-6-15-129.8-01	Assy - Insulated Wall Panel
4-C12	11	A-IWP-6-64-22.6-01	Assy - Insulated Wall Panel
4-C13	1	A-IWP-6-64-26.6-01	Assy - Insulated Wall Panel
4-C14	1	A-IWP-6-7-103.5-02	Assy - Insulated Wall Panel
4-C15	1	A-IWP-6-7-103.5-03	Assy - Insulated Wall Panel
4-C16	11	A-IWP-6-71-22.6-01	Assy - Insulated Wall Panel
4-C17	1	A-IWP-6-71-26.6-01	Assy - Insulated Wall Panel
4-C18	11	A-IWP-6-73-22.6-01	Assy - Insulated Wall Panel
4-C19	1	A-IWP-6-73-26.6-01	Assy - Insulated Wall Panel
4-C20	11	A-IWP-6-80-22.6-01	Assy - Insulated Wall Panel
4-C21	1	A-IWP-6-80-26.6-01	Assy - Insulated Wall Panel
4-C22	6	A-IWP-EP-6-22.6-120-01	Assy - Insulated Wall Panel
4-C23	2	A-IWP-EP-6-26.6-120-01	Assy - Insulated Wall Panel
H7	1150	25C100SWHZ	1/4-20x1" Self-drilling Screw
H23	600	MWBR002	RHT80 8# 2" x 24" x48" Insulation
H24	300	MWBR020	RHT80 8# 1" X 24" X 48" Insulation



A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:

**PRESCIENT**

2125 SENATOR RALPH SCOTT PARKWAY

MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 12/28/16

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DESCRIPTION OF CHANGE(S):  
Construction Set

DRAWING TITLE:  
EXPLODED  
ISOMETRIC  
ASSEMBLY  
DRAWING

JOB NO:  
R2016151

EQUIP. NO:  
POHT-WP-4.5-21.5-50

SHEET NO:

4.3

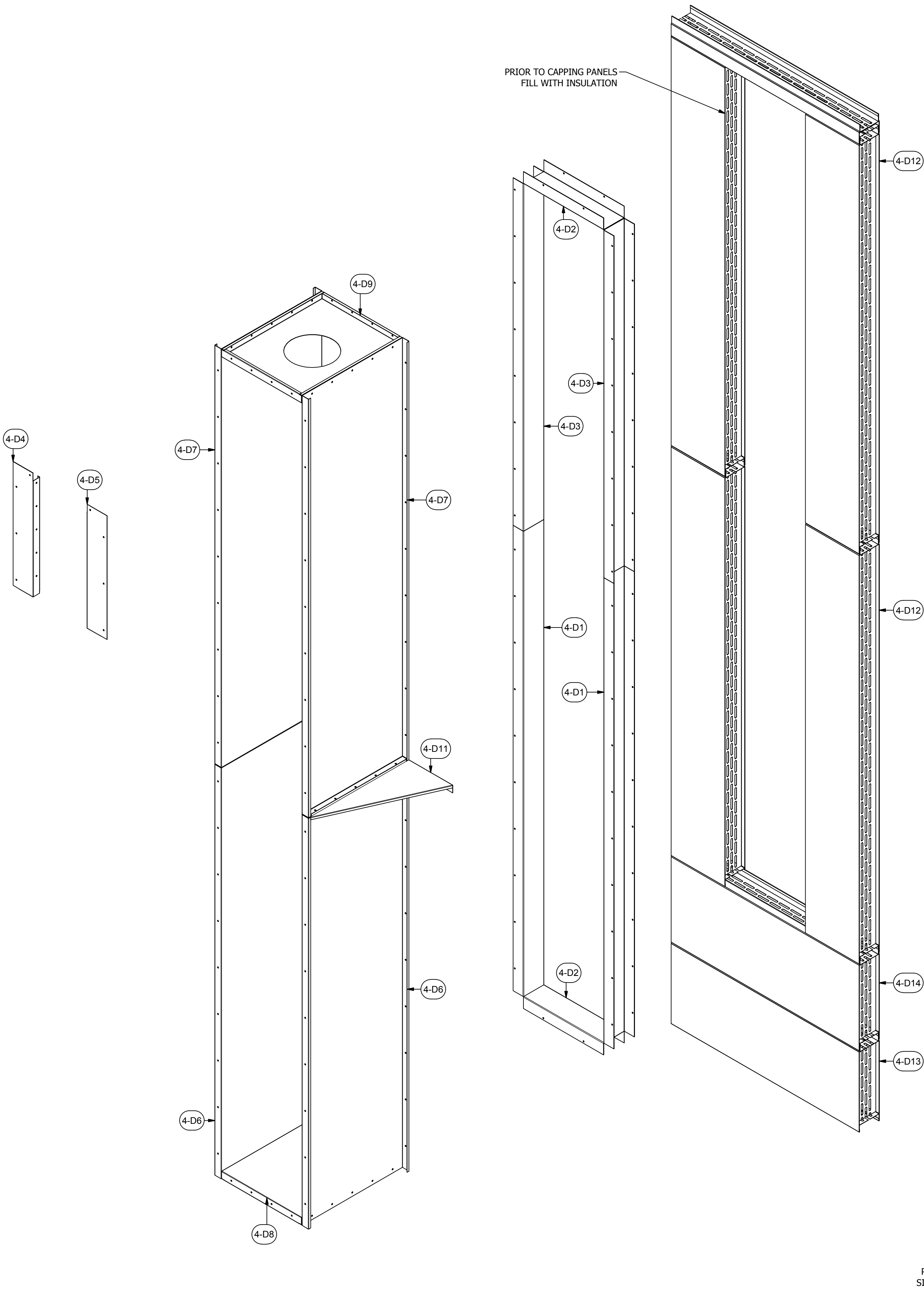
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10000 ROHNER RD.  
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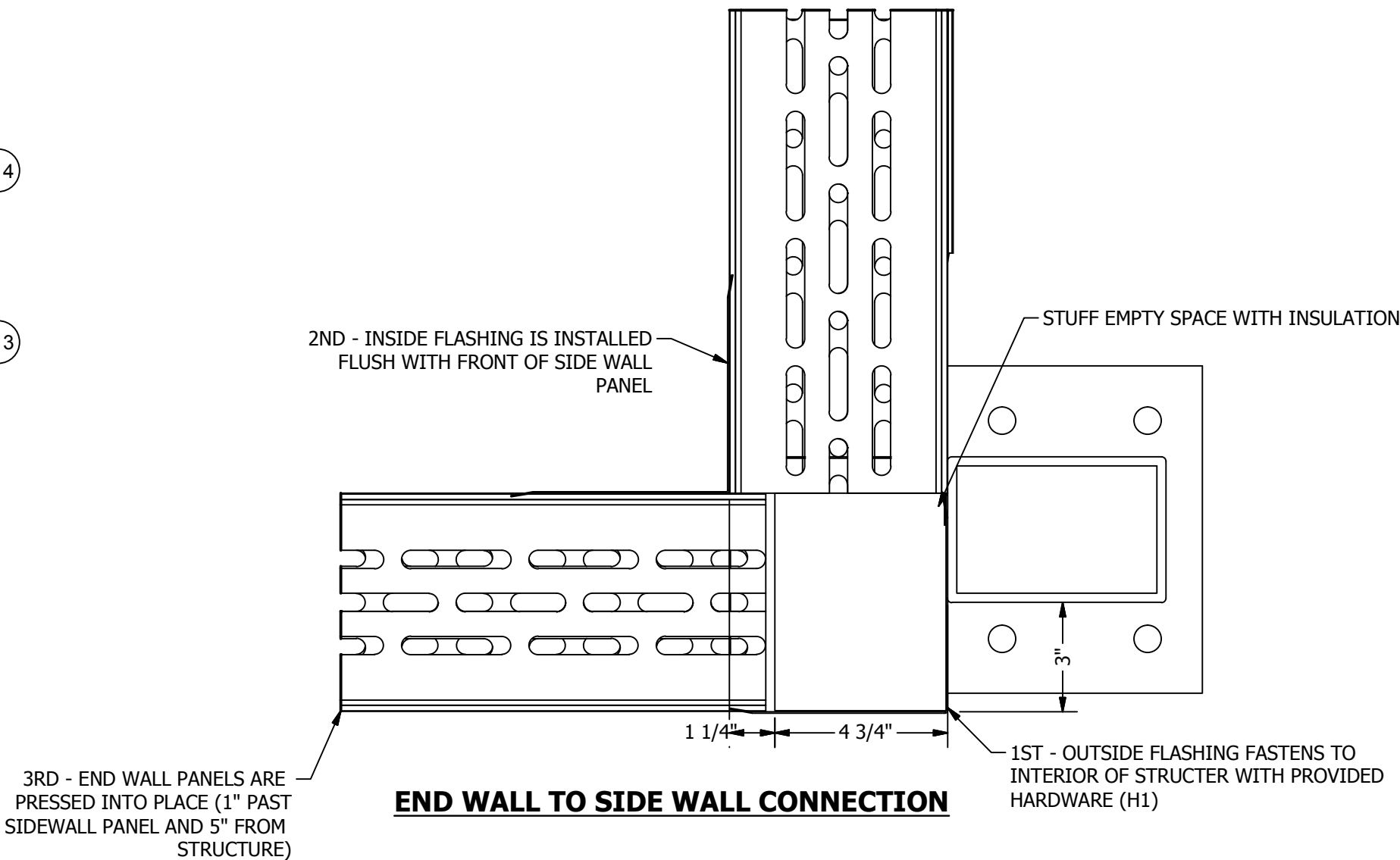
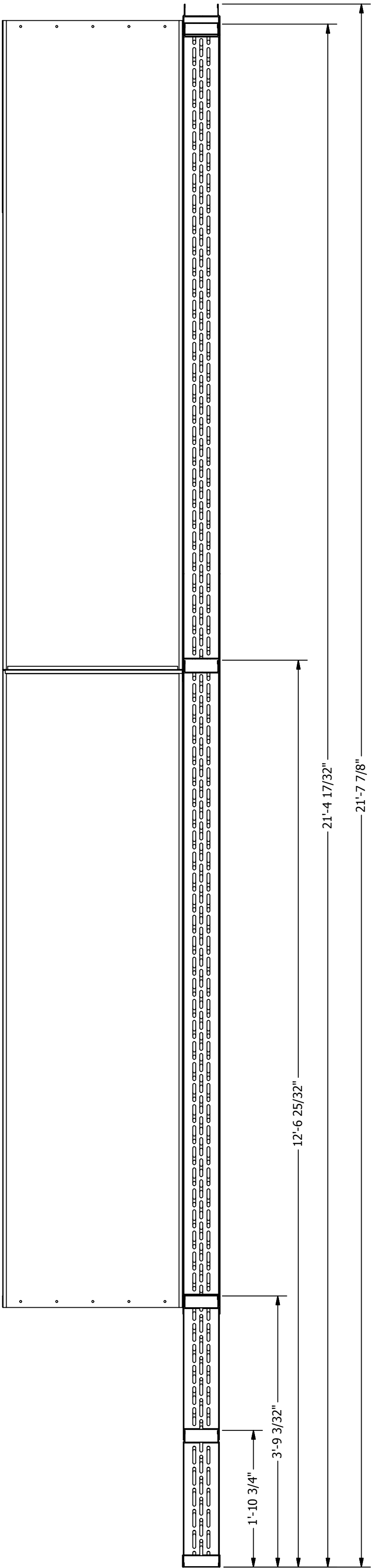


NOTE:

1. FIELD CUT AND INSTALL 2" INSULATION IN HORIZONTAL PANEL SEAMS
2. FIELD CUT AND INSTALL 1" INSULATION IN VERTICAL PANEL ENDS
3. FIELD CUT AND INSTALL 2" INSULATION IN VERTICAL SEAM BETWEEN PANELS
4. FIELD CUT AND INSTALL 2" INSULATION IN ALL PRODUCT DOOR FRAME ENDS AND CORNERS OF OVEN (STUFF TIGHTLY LEAVING NO AIR GAPS TO PREVENT BURNOUT)
5. VERIFY HEIGHT OF WALL PANELS WITH EACH PANEL ADDITION



		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
4-D1	4	18CC-3-6-120-01	14 ga C Channel
4-D2	4	18CC-3-6-24-01	14 ga C Channel
4-D3	4	18CC-3-6-89.6-01	14 ga C Channel
4-D4	2	BP2-L-6-32-01	18 ga Booth Panel 2-sided Pan Left
4-D5	2	BP2-R-6-32-01	18 ga Booth Panel 2-sided Pan Left
4-D6	4	BP3-30-106-02	18 ga Booth Panel 3-sided pan
4-D7	4	BP3-30-108-02	18 ga Booth Panel 3-sided pan
4-D8	2	BP4-24-30	18 ga Booth Panel 4-sided pan
4-D9	2	BP4-24-30-02	18 ga Booth Panel 4-sided pan
4-D10	2	18SG-30-15-2-01	18 ga Stiffening Gusset
4-D11	2	18SG-30-15-2-02	18 ga Stiffening Gusset
4-D12	8	A-IWP-6-16-107.3-04	Assy - Insulated Wall Panel
4-D13	2	A-IWP-6-56-22.6-04	Assy - Insulated Wall Panel
4-D14	2	A-IWP-6-56-24-04	Assy - Insulated Wall Panel
4-D15	2	A-IWP-6-56-5-04	Assy - Insulated Wall Panel
H1	60	31818	12N100UHWZ 1/2 Tek's, 5/16x1
H2	60	142034	Hex Bolt- 1/4-20x3/4"
H3	100	857180	Hex Flange Lock Nut, 1/4-20
H23	100	MMWBR002	RHT80 8# 2" x 24" x48" insulation
H24	75	MMWBR020	RHT80 8# 1" X 24" X 48" insulation



A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:

**PRESCIENT**

2125 SENATOR RALPH SCOTT PARKWAY

MEBANE, NC 27302

DRAWN BY: HGS  
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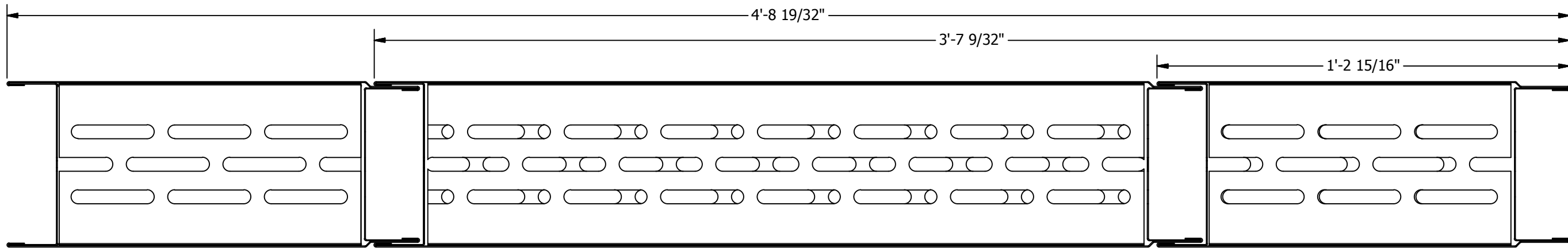
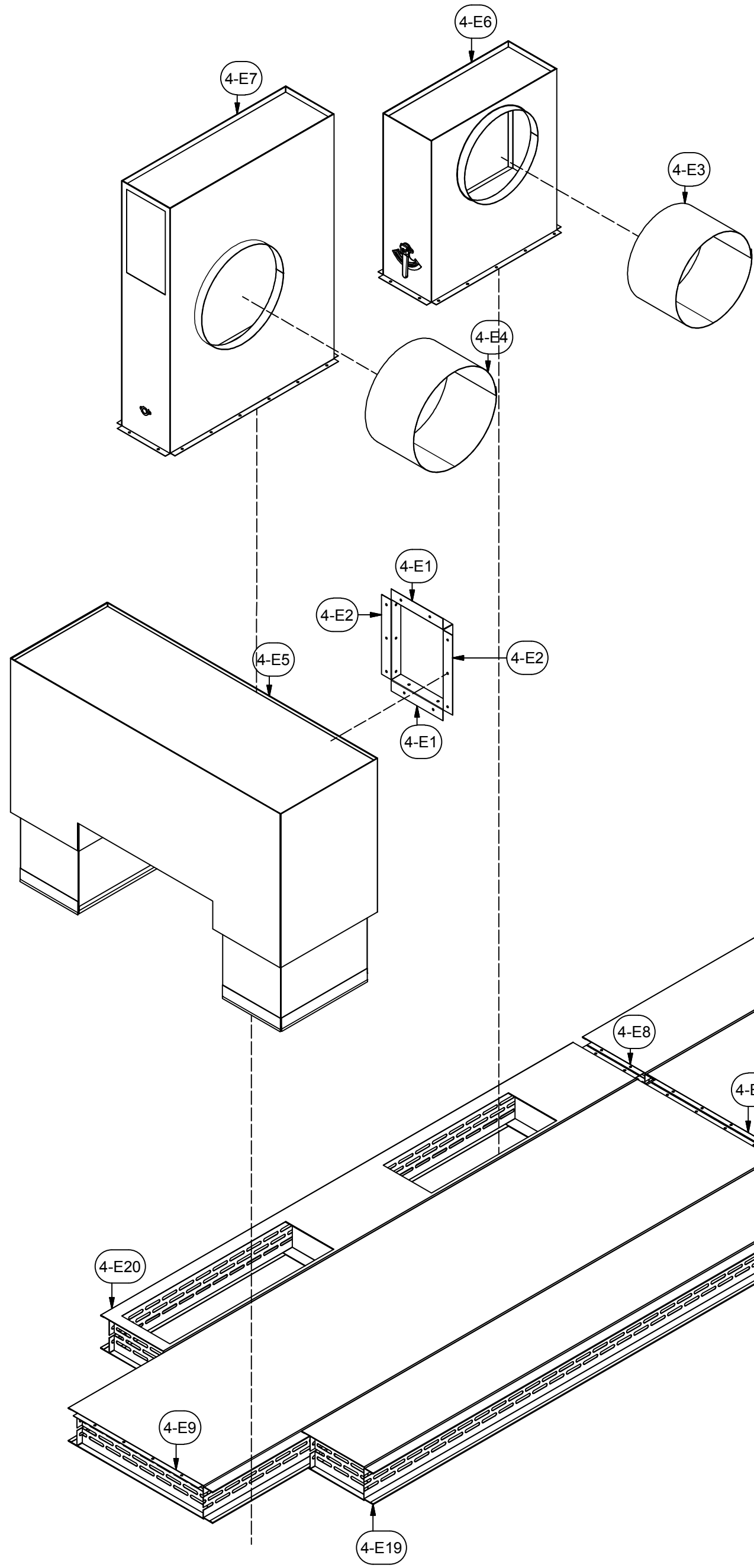
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ASSEMBLY  
DRAWING

JOB NO:  
R2016151  
EQUIP. NO:  
POHT-WP-4.5-21.5-50  
SHEET NO:



NOTE:

1. FIELD CUT AND INSTALL 2" INSULATION IN HORIZONTAL PANEL SEAMS
2. FIELD CUT AND INSTALL 1" INSULATION IN VERTICAL PANEL ENDS
3. FIELD CUT AND INSTALL 2" INSULATION IN VERTICAL SEAM BETWEEN PANELS
4. FIELD CUT AND INSTALL 2" INSULATION IN ALL PRODUCT DOOR FRAME ENDS AND CORNERS OF OVEN (STUFF TIGHTLY LEAVING NO AIR GAPS TO PREVENT BURNOUT)
5. VERIFY DISTANCE BETWEEN CEILING PANELS AND STRUCTURE WITH EACH PANEL ADDITION



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4-E1	4	18A-2-2-10.7-01	18 ga Angle
4-E2	4	18A-2-2-14.3-01	18 ga Angle
4-E3	1	20D-15.5-10-01	20 ga Duct
4-E4	2	20D-17-10-01	20 ga Duct
4-E5	2	A-AC-IDB-56-37-20-01	Assy - Air Curtain Insulated Discharge Box
4-E6	1	A-EXB-10-26-28-01	Assy - Exhaust Box
4-E7	2	A-EXB-10-34-40-01	Assy - Exhaust Box
4-E8	2	A-IWP-6-120-15-01	Assy - Insulated Wall Panel
4-E9	2	A-IWP-6-120-30-01	Assy - Insulated Wall Panel
4-E10	2	A-IWP-6-137-15-01	Assy - Insulated Wall Panel
4-E11	1	A-IWP-6-137-30-01	Assy - Insulated Wall Panel
4-E12	2	A-IWP-6-56-15-01	Assy - Insulated Wall Panel
4-E13	1	A-IWP-6-56-30-01	Assy - Insulated Wall Panel
4-E14	1	A-IWP-6-59-15-01	Assy - Insulated Wall Panel
4-E15	1	A-IWP-6-59-15-03	Assy - Insulated Wall Panel
4-E16	2	A-IWP-6-73-15-01	Assy - Insulated Wall Panel
4-E17	1	A-IWP-6-73-30-01	Assy - Insulated Wall Panel
4-E18	1	A-IWP-6-80-30-01	Assy - Insulated Wall Panel
4-E19	1	A-IWP-6-99-15-01	Assy - Insulated Wall Panel
4-E20	1	A-IWP-6-99-15-04	Assy - Insulated Wall Panel
H1	150	31818	(12N100UHWZ) #12 Tek's, 5/16x1
H7	150	25C100SVHZ	1/4-20x1" Self-drilling Screw
H23	300	MWBR002	RHT80 8# 2" x 24" x48" insulation
H24	150	MWBR020	RHT80 8# 1" x 24" X 48" Insulation

A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:

**PRESCIENT**

2125 SENATOR RALPH SCOTT PARKWAY

MEBANE, NC 27302

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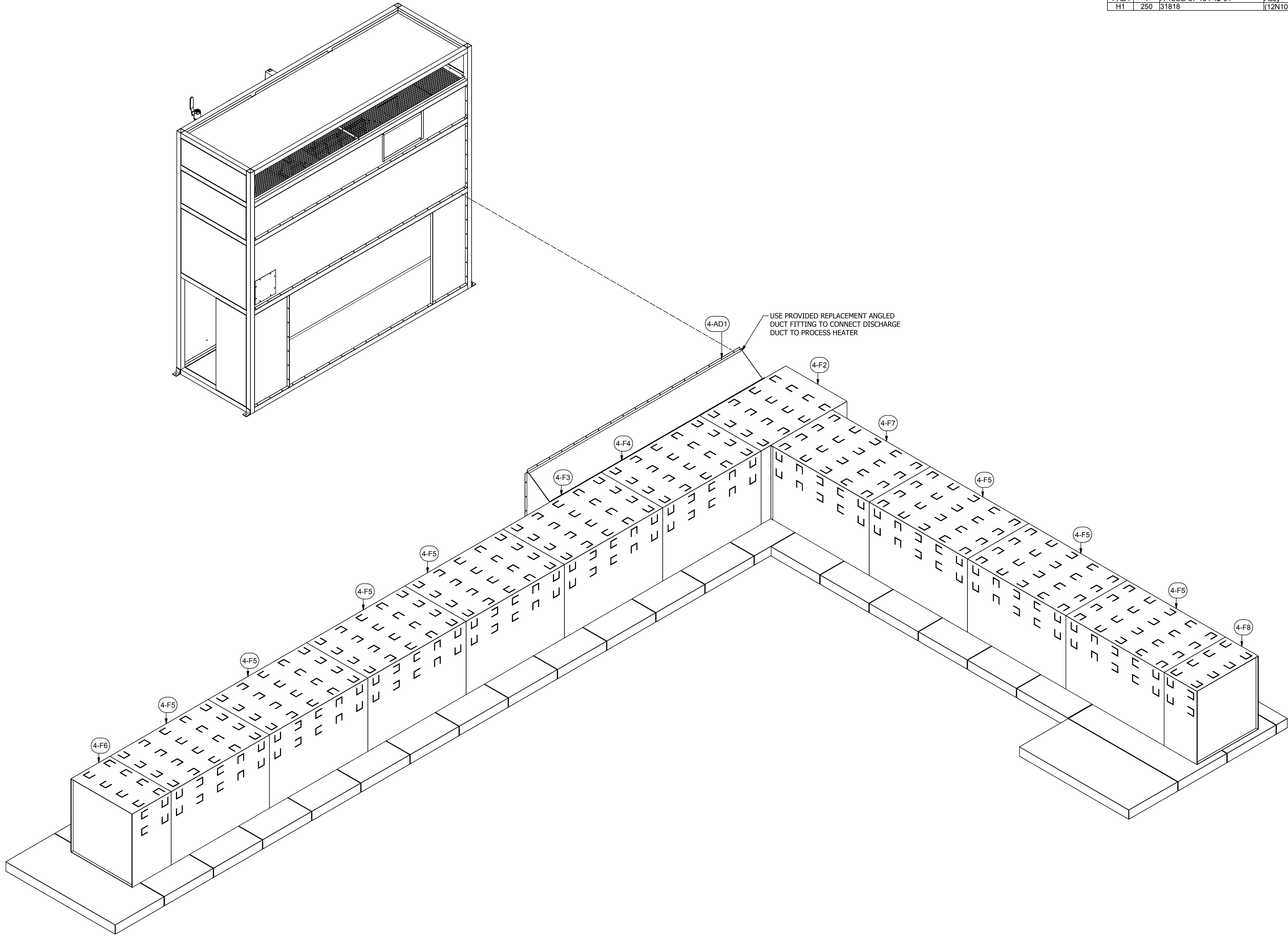
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SHEET NO:

4.5



**NOTE:**  
1. FEMALE END OF THE DUCT SLIPS OVER FLANGED MALE END AND IS FASTENED WITH #12 X 3/4" TEK SCREWS 6" O.C.



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
4-F1	1	A-18OD-30-100-13-01	Assy - 18 ga Oven Duct	
4-F2	1	A-18OD-E-31-30-42-01	Assy - 18 ga Oven Duct	
4-F3	1	A-18OD-31-30-48-03	Assy - 18 ga Oven Duct	
4-F4	1	A-18OD-31-30-48-04	Assy - 18 ga Oven Duct	
4-F5	7	A-18OD-31-30-48-05	Assy - 18 ga Oven Duct	
4-F6	1	A-18OD-E-31-30-19-01	Assy - 18 ga Oven Duct	
4-F7	1	A-18OD-31-30-48-06	Assy - 18 ga Oven Duct	
4-F8	1	A-18OD-E-31-30-16-01	Assy - 18 ga Oven Duct	
4-AD1	1	A-18OD-37-104-12-01	Assy - 18 ga Oven Duct	
H1	250	31818	(12N100JHWZ) #12 Tek's, 5/16x1	

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OR LIC # 135549  
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A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:  
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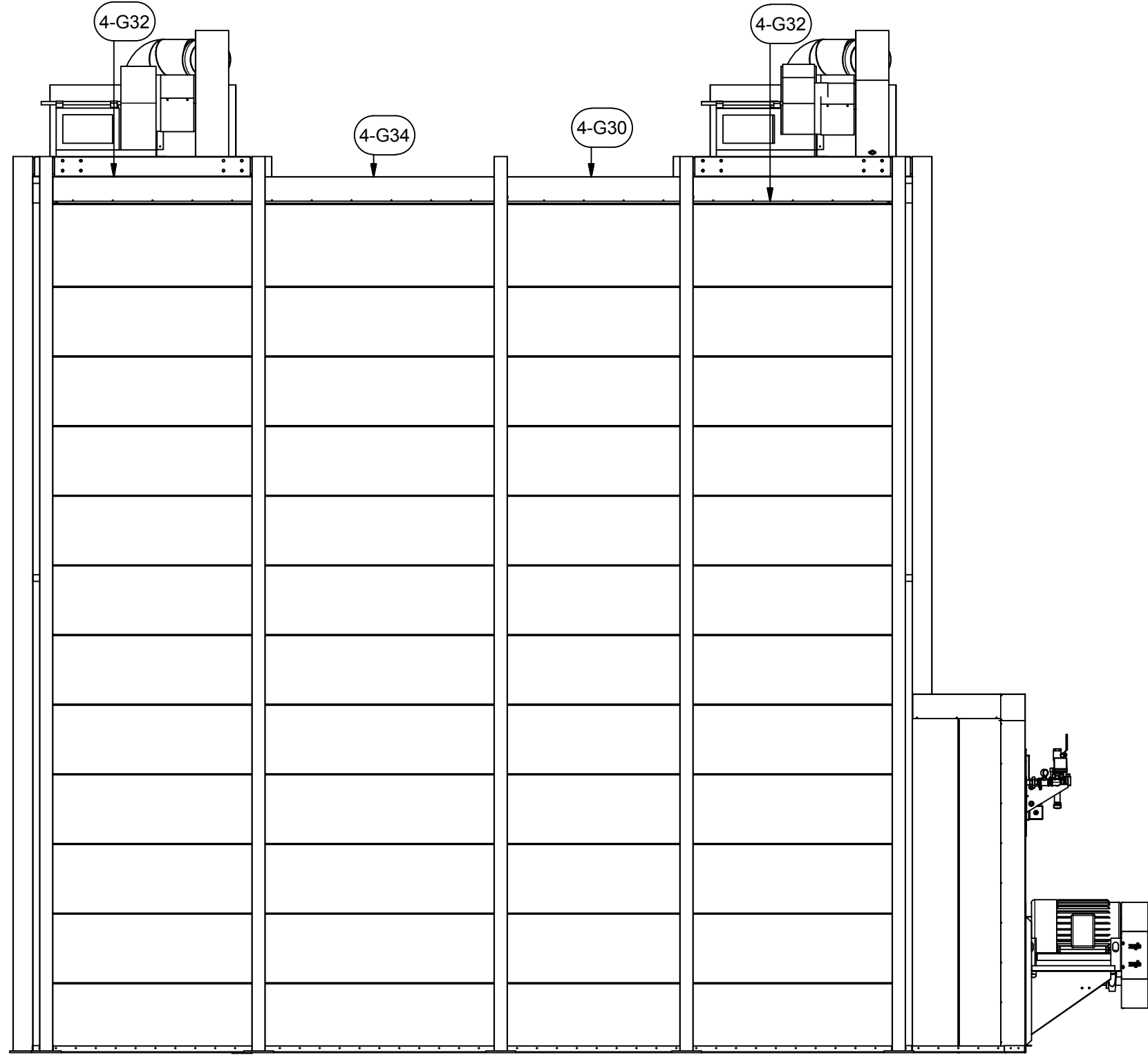
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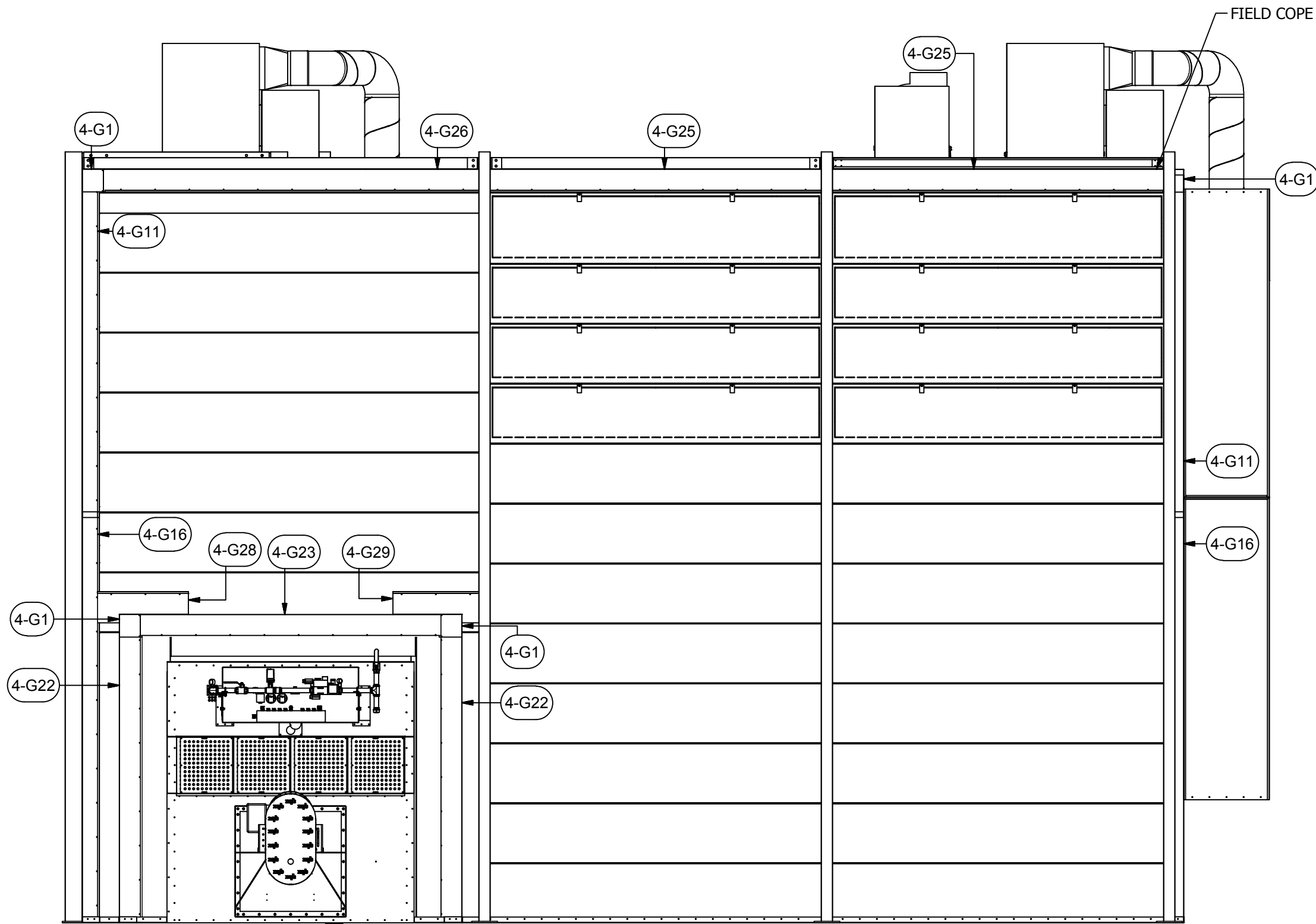


**NOTE:**  
- EXTERIOR FLASHING FASTENS TO OVEN  
WITH PROVIDED HARDWARE (H1) 12" O.C.  
- SOME FLASHING WILL REQUIRE FIELD  
COPING

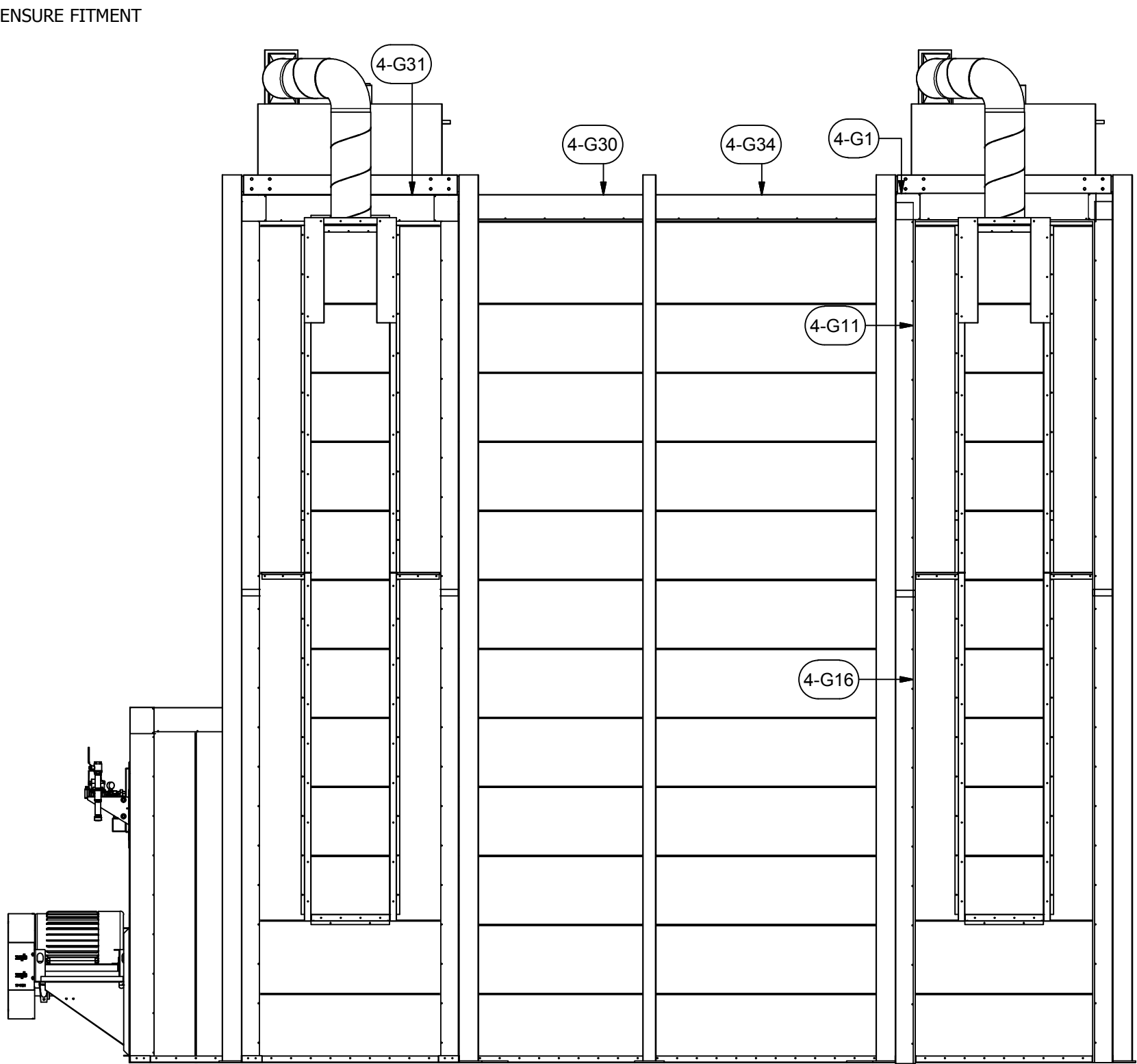


REAR VIEW

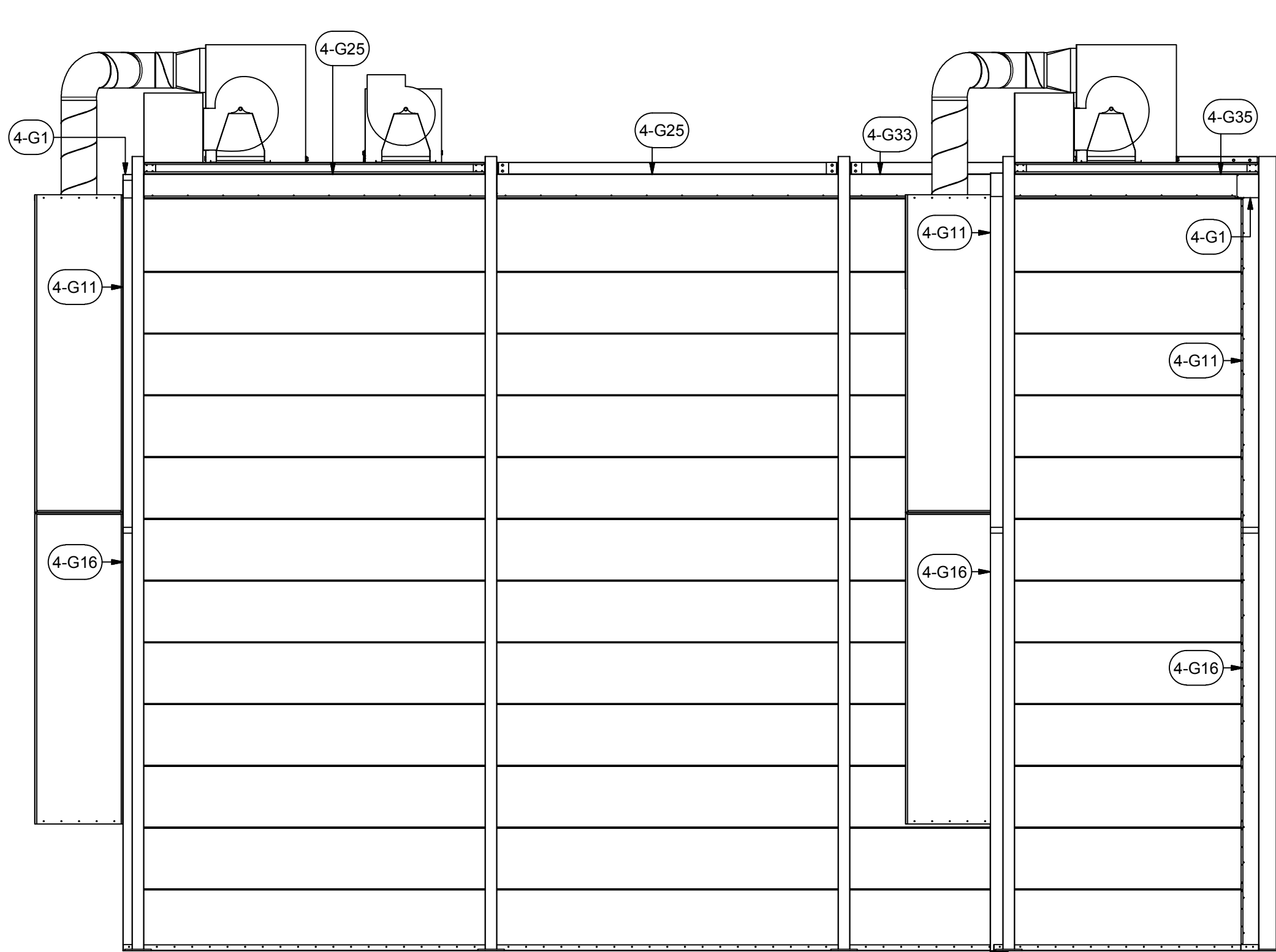
ITEM		QTY	PART NUMBER	PARTS LIST	DESCRIPTION
4-G1	8	20RI-CCA-8-8-02	20 ga Rigid Insulation Corner Cap Angle		
4-G2	2	20RI-C-10-65-01	20 ga Rigid Insulation- Cap		
4-G3	2	20RI-C-12-54-01	20 ga Rigid Insulation- Cap		
4-G4	12	20RI-C-6-132-01	20 ga Rigid Insulation- Cap		
4-G5	3	20RI-C-6-52-01	20 ga Rigid Insulation- Cap		
4-G6	2	20RI-C-8-106-01	20 ga Rigid Insulation- Cap		
4-G7	1	20RI-C-8-108-01	20 ga Rigid Insulation- Cap		
4-G8	4	20RI-CA-12-10-132-02	20 ga Rigid Insulation- Cap Angle		
4-G9	2	20RI-CA-6-3-52-02	20 ga Rigid Insulation- Cap Angle		
4-G10	1	20RI-CA-6-6-117-02	20 ga Rigid Insulation- Cap Angle		
4-G11	6	20RI-CA-6-6-120	20 ga Rigid Insulation- Cap Angle		
4-G12	2	20RI-CA-6-6-120-02	20 ga Rigid Insulation- Cap Angle		
4-G13	1	20RI-CA-6-6-127-02	20 ga Rigid Insulation- Cap Angle		
4-G14	12	20RI-CA-6-6-132-02	20 ga Rigid Insulation- Cap Angle		
4-G15	1	20RI-CA-6-6-134-02	20 ga Rigid Insulation- Cap Angle		
4-G16	6	20RI-CA-6-6-144	20 ga Rigid Insulation- Cap Angle		
4-G17	1	20RI-CA-6-6-55.5-02	20 ga Rigid Insulation- Cap Angle		
4-G18	1	20RI-CA-6-6-57.8-02	20 ga Rigid Insulation- Cap Angle		
4-G19	1	20RI-CA-6-6-73-02	20 ga Rigid Insulation- Cap Angle		
4-G20	1	20RI-CA-6-6-81-02	20 ga Rigid Insulation- Cap Angle		
4-G21	2	20RI-CA-6-6-99-02	20 ga Rigid Insulation- Cap Angle		
4-G22	2	20RI-CA-8-8-102-01	20 ga Rigid Insulation- Cap Angle		
4-G23	1	20RI-CA-8-8-108-01	20 ga Rigid Insulation- Cap Angle		
4-G24	1	20RI-CA-8-8-11-01	20 ga Rigid Insulation- Cap Angle		
4-G25	4	20RI-CA-8-8-117-01	20 ga Rigid Insulation- Cap Angle		
4-G26	1	20RI-CA-8-8-132-01	20 ga Rigid Insulation- Cap Angle		
4-G27	2	20RI-CA-8-8-26.5-01	20 ga Rigid Insulation- Cap Angle		
4-G28	1	20RI-CA-8-8-32-02	20 ga Rigid Insulation- Cap Angle		
4-G29	1	20RI-CA-8-8-32-03	20 ga Rigid Insulation- Cap Angle		
4-G30	2	20RI-CA-8-8-53-01	20 ga Rigid Insulation- Cap Angle		
4-G31	2	20RI-CA-8-8-58-01	20 ga Rigid Insulation- Cap Angle		
4-G32	2	20RI-CA-8-8-60-01	20 ga Rigid Insulation- Cap Angle		
4-G33	1	20RI-CA-8-8-67-01	20 ga Rigid Insulation- Cap Angle		
4-G34	2	20RI-CA-8-8-70-01	20 ga Rigid Insulation- Cap Angle		
4-G35	1	20RI-CA-8-8-80-01	20 ga Rigid Insulation- Cap Angle		
H1	1400	31818	(12N100UHWZ) #12 Teks. 5/16x1		
H23	600	MWBR002	RH180 8# 2" x 24" x48" insulation		



LEFT VIEW



FRONT VIEW



RIGHT VIEW

EXTERIOR FLASHING

A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
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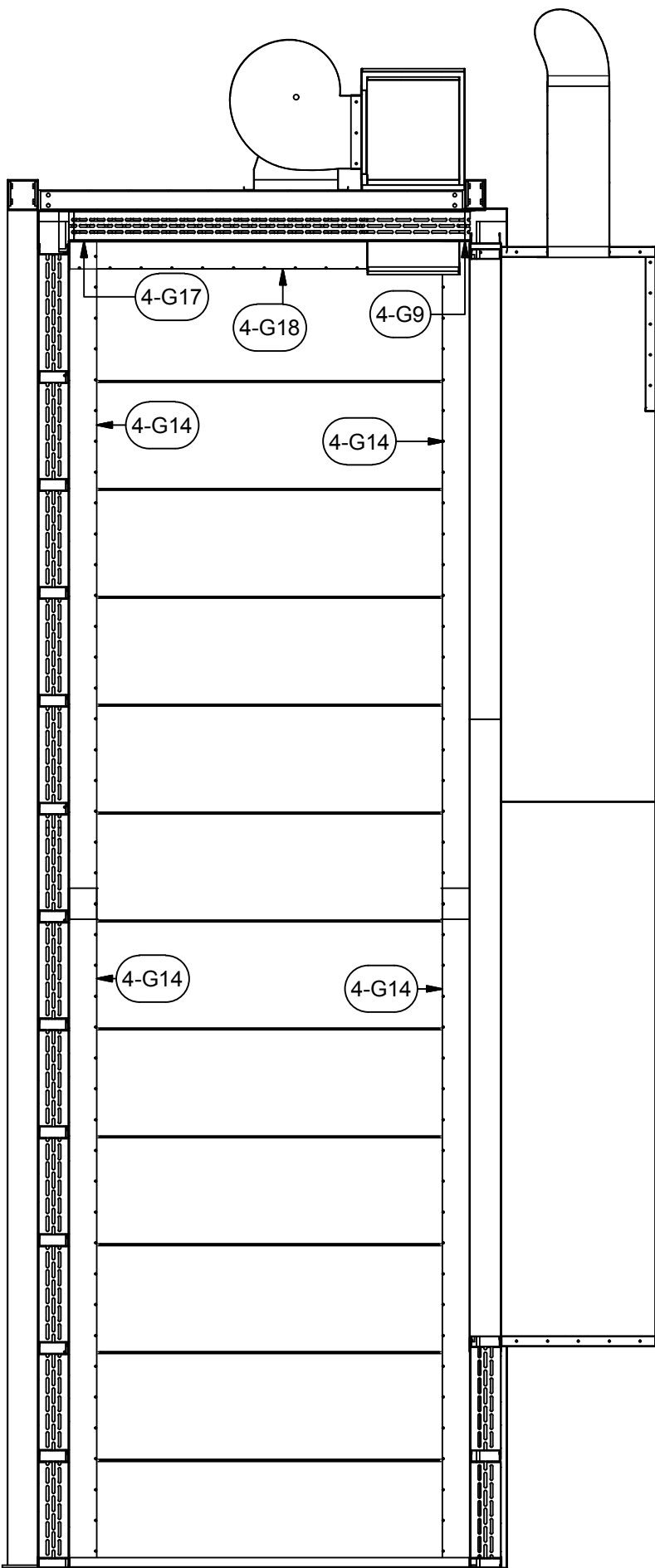
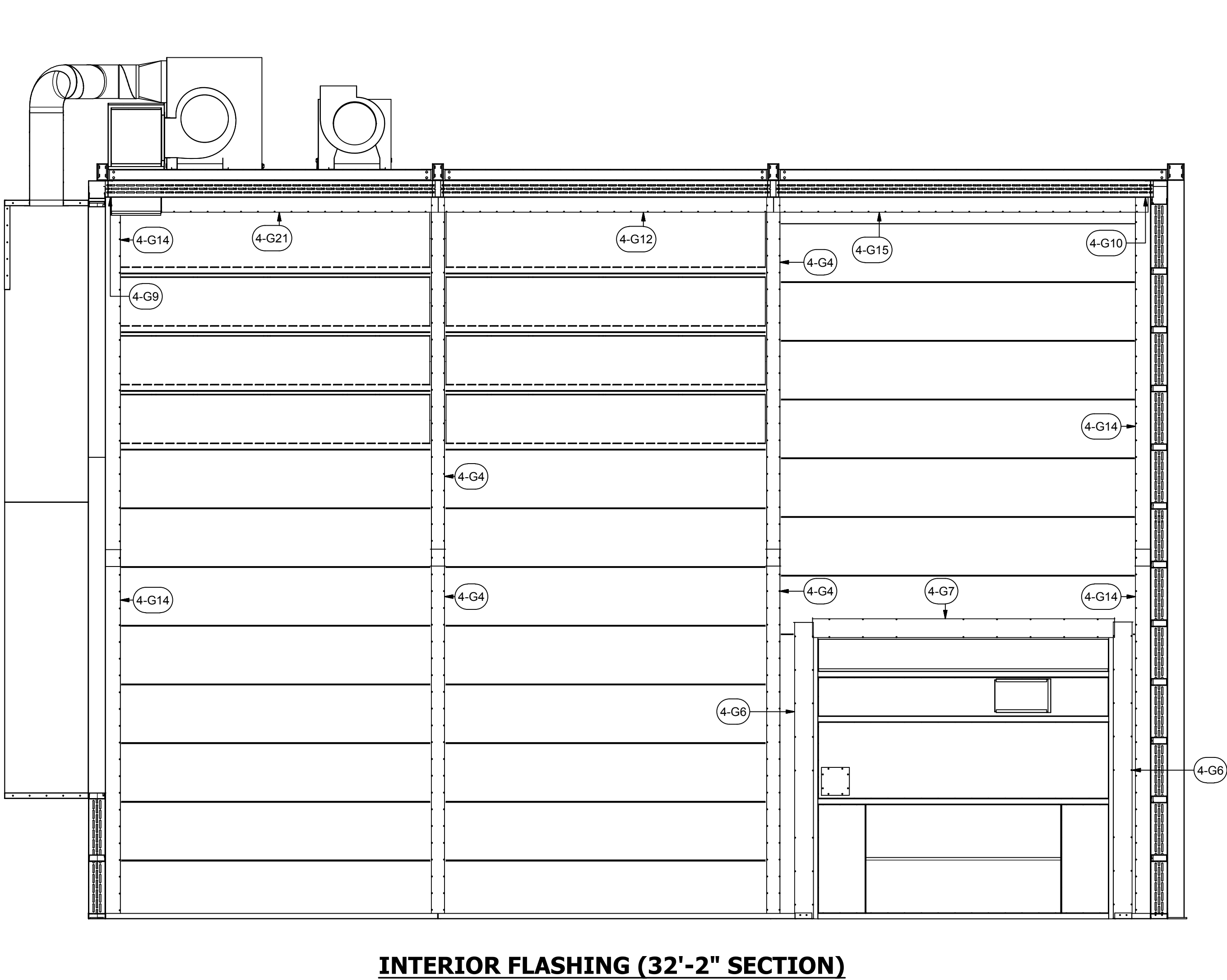
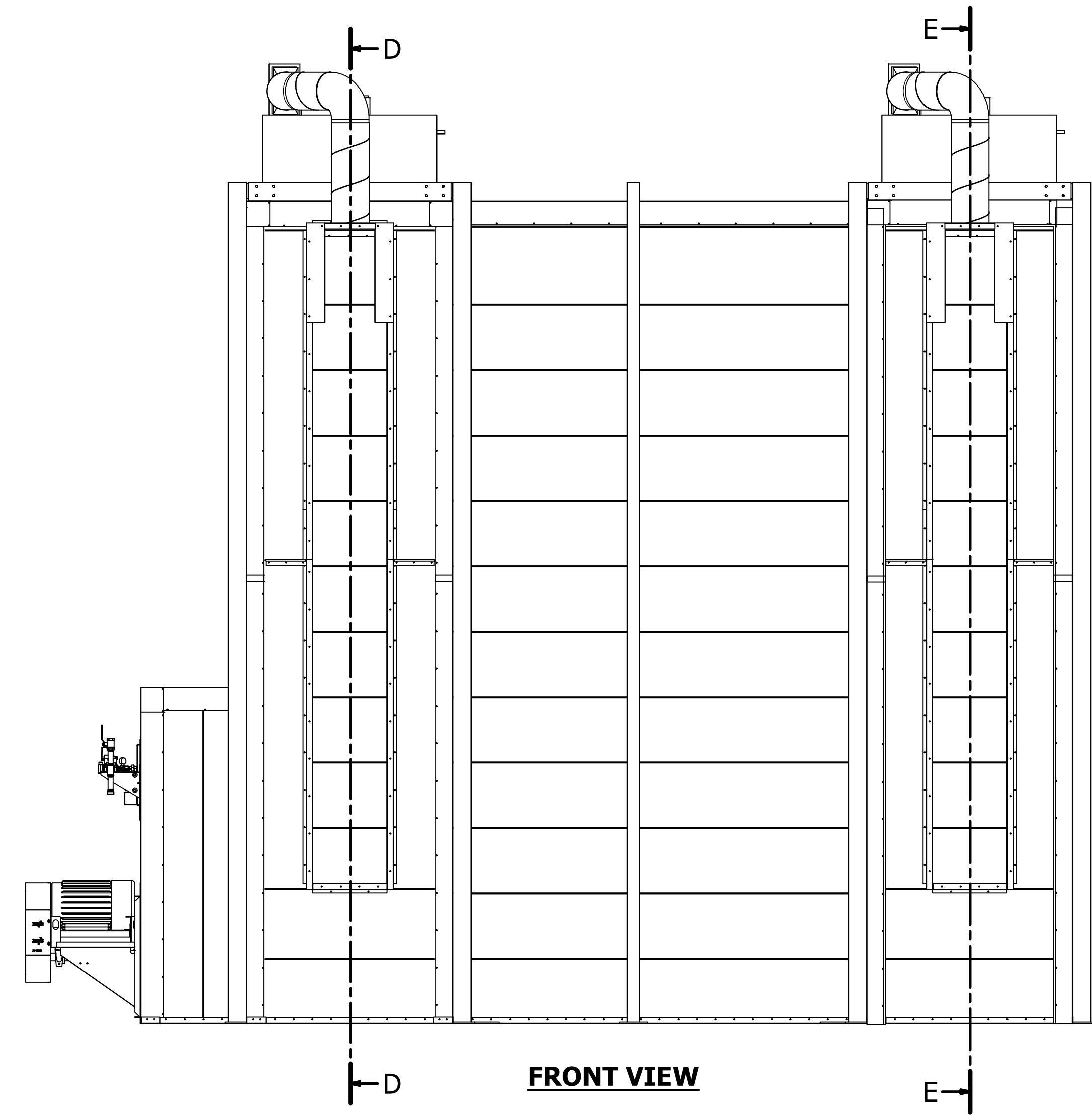
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**NOTE:**  
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- SOME FLASHING WILL REQUIRE FIELD  
COPING



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4-G1	8	20RI-CCA-8-8-8-02	20 ga Rigid Insulation Corner Cap Angle
4-G2	2	20RI-C-10-85-01	20 ga Rigid Insulation- Cap
4-G3	2	20RI-C-12-54-01	20 ga Rigid Insulation- Cap
4-G4	12	20RI-C-8-132-01	20 ga Rigid Insulation- Cap
4-G5	3	20RI-C-8-52-01	20 ga Rigid Insulation- Cap
4-G6	2	20RI-C-8-106-01	20 ga Rigid Insulation- Cap
4-G7	1	20RI-C-8-108-01	20 ga Rigid Insulation- Cap
4-G8	4	20RI-CA-12-10-132-02	20 ga Rigid Insulation- Cap Angle
4-G9	2	20RI-CA-6-3-52-02	20 ga Rigid Insulation- Cap Angle
4-G10	1	20RI-CA-6-6-117-02	20 ga Rigid Insulation- Cap Angle
4-G11	6	20RI-CA-6-6-120	20 ga Rigid Insulation- Cap Angle
4-G12	2	20RI-CA-6-6-120-02	20 ga Rigid Insulation- Cap Angle
4-G13	1	20RI-CA-6-6-127-02	20 ga Rigid Insulation- Cap Angle
4-G14	12	20RI-CA-6-6-132-02	20 ga Rigid Insulation- Cap Angle
4-G15	1	20RI-CA-6-6-134-02	20 ga Rigid Insulation- Cap Angle
4-G16	6	20RI-CA-6-6-144	20 ga Rigid Insulation- Cap Angle
4-G17	1	20RI-CA-6-6-55.5-02	20 ga Rigid Insulation- Cap Angle
4-G18	1	20RI-CA-6-6-57.8-02	20 ga Rigid Insulation- Cap Angle
4-G19	1	20RI-CA-6-6-73-02	20 ga Rigid Insulation- Cap Angle
4-G20	1	20RI-CA-6-6-81-02	20 ga Rigid Insulation- Cap Angle
4-G21	2	20RI-CA-6-6-99-02	20 ga Rigid Insulation- Cap Angle
4-G22	2	20RI-CA-8-8-102-01	20 ga Rigid Insulation- Cap Angle
4-G23	1	20RI-CA-8-8-108-01	20 ga Rigid Insulation- Cap Angle
4-G24	1	20RI-CA-8-8-11-01	20 ga Rigid Insulation- Cap Angle
4-G25	4	20RI-CA-8-8-117-01	20 ga Rigid Insulation- Cap Angle
4-G26	1	20RI-CA-8-8-132-01	20 ga Rigid Insulation- Cap Angle
4-G27	2	20RI-CA-8-8-26.5-01	20 ga Rigid Insulation- Cap Angle
4-G28	1	20RI-CA-8-8-32-02	20 ga Rigid Insulation- Cap Angle
4-G29	1	20RI-CA-8-8-32-03	20 ga Rigid Insulation- Cap Angle
4-G30	2	20RI-CA-8-8-53-01	20 ga Rigid Insulation- Cap Angle
4-G31	2	20RI-CA-8-8-58-01	20 ga Rigid Insulation- Cap Angle
4-G32	2	20RI-CA-8-8-60-01	20 ga Rigid Insulation- Cap Angle
4-G33	1	20RI-CA-8-8-67-01	20 ga Rigid Insulation- Cap Angle
4-G34	2	20RI-CA-8-8-70-01	20 ga Rigid Insulation- Cap Angle
4-G35	1	20RI-CA-8-8-80-01	20 ga Rigid Insulation- Cap Angle
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CAP# 792654

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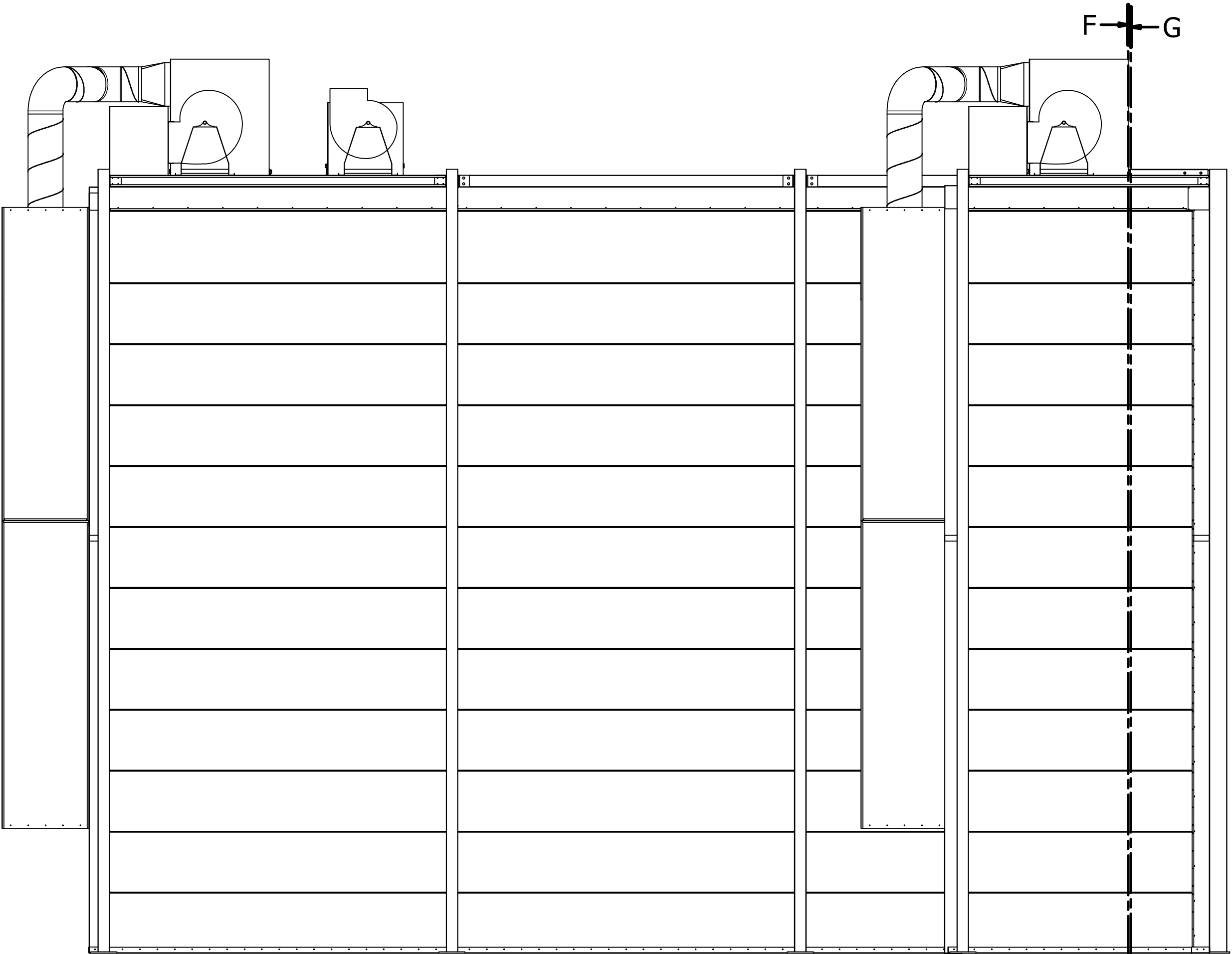
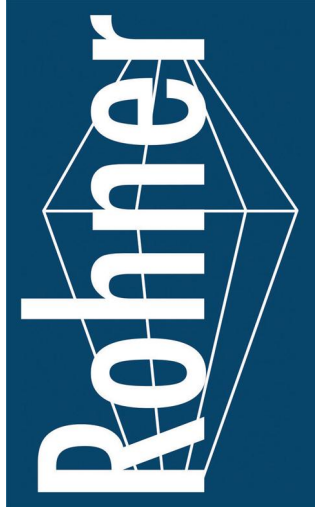
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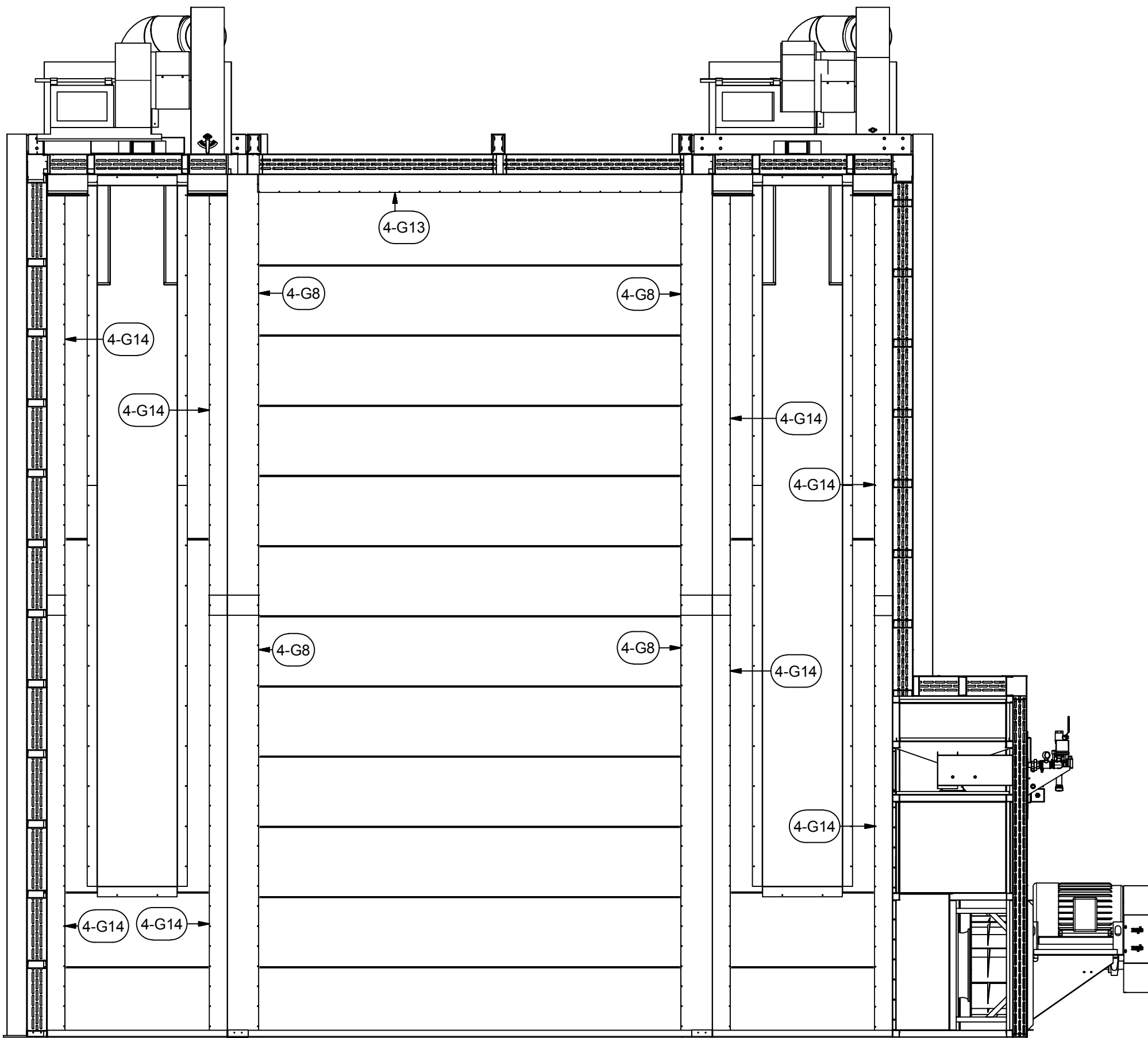
**NOTE:**  
- EXTERIOR FLASHING FASTENS TO OVEN  
WITH PROVIDED HARDWARE (H1) 12" O.C.  
- SOME FLASHING WILL REQUIRE FIELD  
COPING

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4-G1	8	20RI-CCA-8-8-02	20 ga Rigid Insulation Corner Cap Angle
4-G2	2	20RI-C-10-85-01	20 ga Rigid Insulation- Cap
4-G3	2	20RI-C-12-54-01	20 ga Rigid Insulation- Cap
4-G4	12	20RI-C-6-132-01	20 ga Rigid Insulation- Cap
4-G5	3	20RI-C-8-52-01	20 ga Rigid Insulation- Cap
4-G6	2	20RI-C-8-106-01	20 ga Rigid Insulation- Cap
4-G7	1	20RI-C-8-108-01	20 ga Rigid Insulation- Cap
4-G8	4	20RI-CA-12-10-132-02	20 ga Rigid Insulation- Cap Angle
4-G9	2	20RI-CA-6-3-52-02	20 ga Rigid Insulation- Cap Angle
4-G10	1	20RI-CA-6-6-117-02	20 ga Rigid Insulation- Cap Angle
4-G11	6	20RI-CA-6-6-120	20 ga Rigid Insulation- Cap Angle
4-G12	2	20RI-CA-6-6-120-02	20 ga Rigid Insulation- Cap Angle
4-G13	1	20RI-CA-6-6-127-02	20 ga Rigid Insulation- Cap Angle
4-G14	12	20RI-CA-6-6-132-02	20 ga Rigid Insulation- Cap Angle
4-G15	1	20RI-CA-6-6-134-02	20 ga Rigid Insulation- Cap Angle
4-G16	6	20RI-CA-6-6-144	20 ga Rigid Insulation- Cap Angle
4-G17	1	20RI-CA-6-6-55.5-02	20 ga Rigid Insulation- Cap Angle
4-G18	1	20RI-CA-6-6-57.8-02	20 ga Rigid Insulation- Cap Angle
4-G19	1	20RI-CA-6-6-73-02	20 ga Rigid Insulation- Cap Angle
4-G20	1	20RI-CA-6-6-81-02	20 ga Rigid Insulation- Cap Angle
4-G21	2	20RI-CA-6-6-99-02	20 ga Rigid Insulation- Cap Angle
4-G22	2	20RI-CA-8-8-102-01	20 ga Rigid Insulation- Cap Angle
4-G23	1	20RI-CA-8-8-108-01	20 ga Rigid Insulation- Cap Angle
4-G24	1	20RI-CA-8-8-11-01	20 ga Rigid Insulation- Cap Angle
4-G25	4	20RI-CA-8-8-117-01	20 ga Rigid Insulation- Cap Angle
4-G26	1	20RI-CA-8-8-132-01	20 ga Rigid Insulation- Cap Angle
4-G27	2	20RI-CA-8-8-26.5-01	20 ga Rigid Insulation- Cap Angle
4-G28	1	20RI-CA-8-8-32-02	20 ga Rigid Insulation- Cap Angle
4-G29	1	20RI-CA-8-8-32-03	20 ga Rigid Insulation- Cap Angle
4-G30	2	20RI-CA-8-8-53-01	20 ga Rigid Insulation- Cap Angle
4-G31	2	20RI-CA-8-8-58-01	20 ga Rigid Insulation- Cap Angle
4-G32	2	20RI-CA-8-8-60-01	20 ga Rigid Insulation- Cap Angle
4-G33	1	20RI-CA-8-8-67-01	20 ga Rigid Insulation- Cap Angle
4-G34	2	20RI-CA-8-8-70-01	20 ga Rigid Insulation- Cap Angle
4-G35	1	20RI-CA-8-8-80-01	20 ga Rigid Insulation- Cap Angle
H1	1400	31818	(12N100UHWZ) #12 Tek's, 5/16x1
H23	600	MWBR002	RHT80 8# 2" x 24" x48" insulation

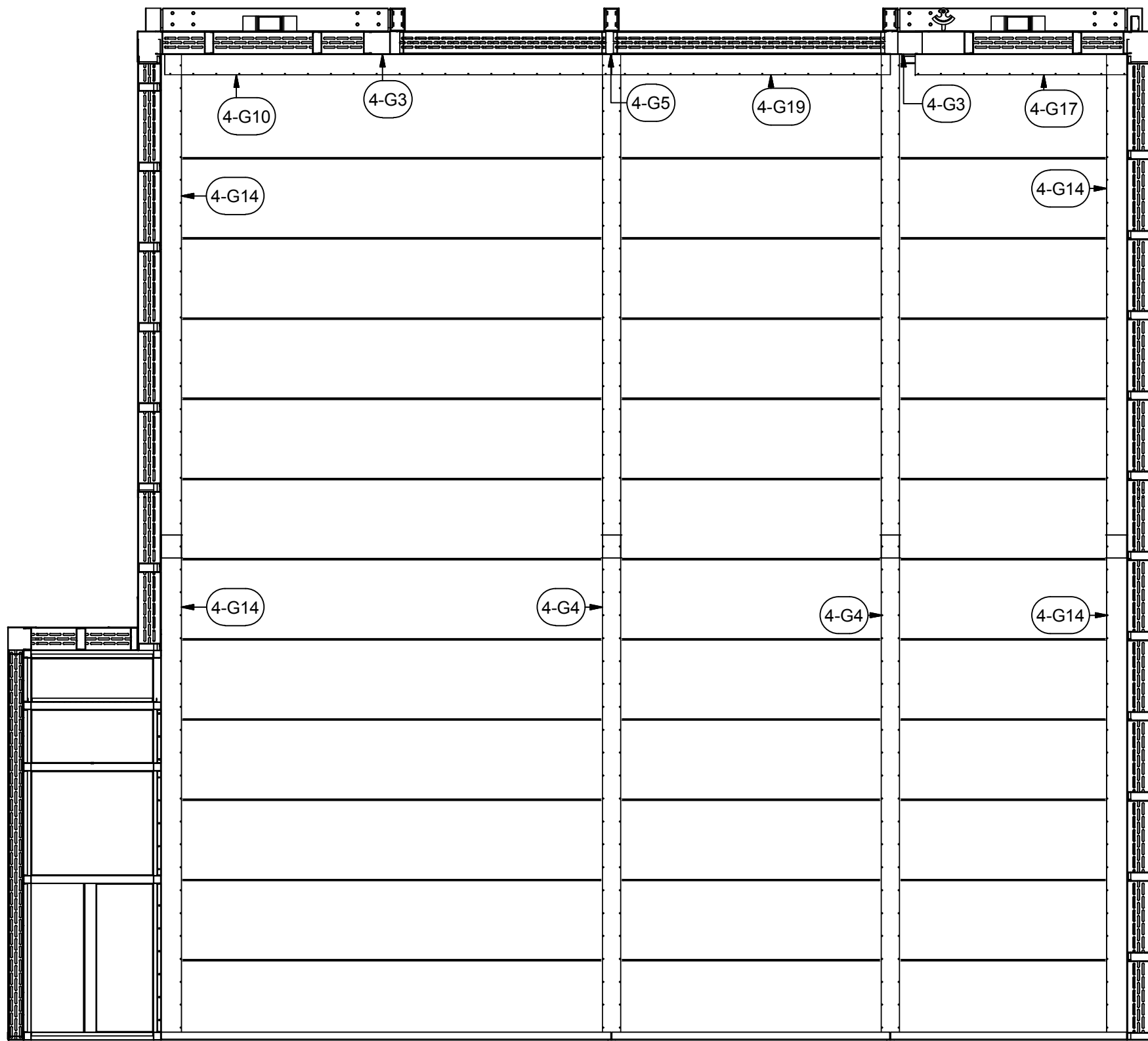
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2650 N. ROHNER RD.  
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WA LIC # R09NE000151H  
OR LIC # 135549  
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**RIGHT VIEW**



**INTERIOR FLASHING (MIDDLE WALL)**



**INTERIOR FLASHING (REAR WALL)**

A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

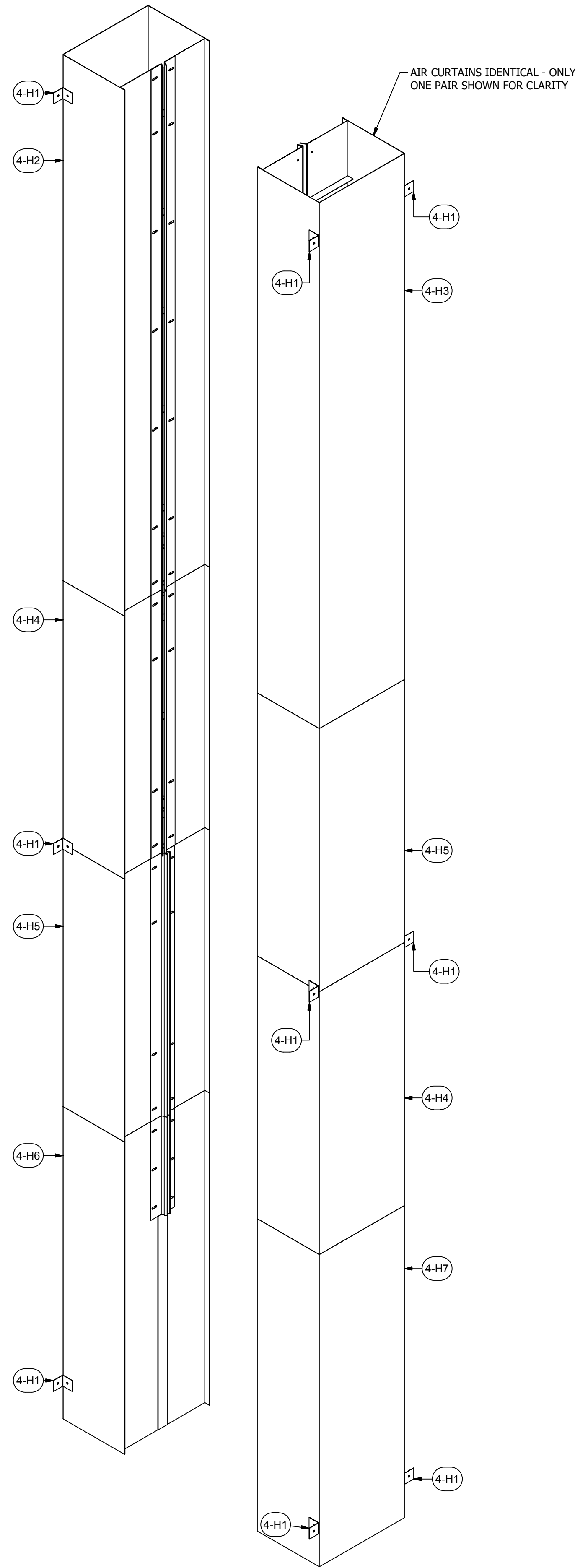
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ISSUED DATE: 12/28/16  
REV: 16.1 - 12/28/16  
DESCRIPTION OF CHANGE(S): Construction Set

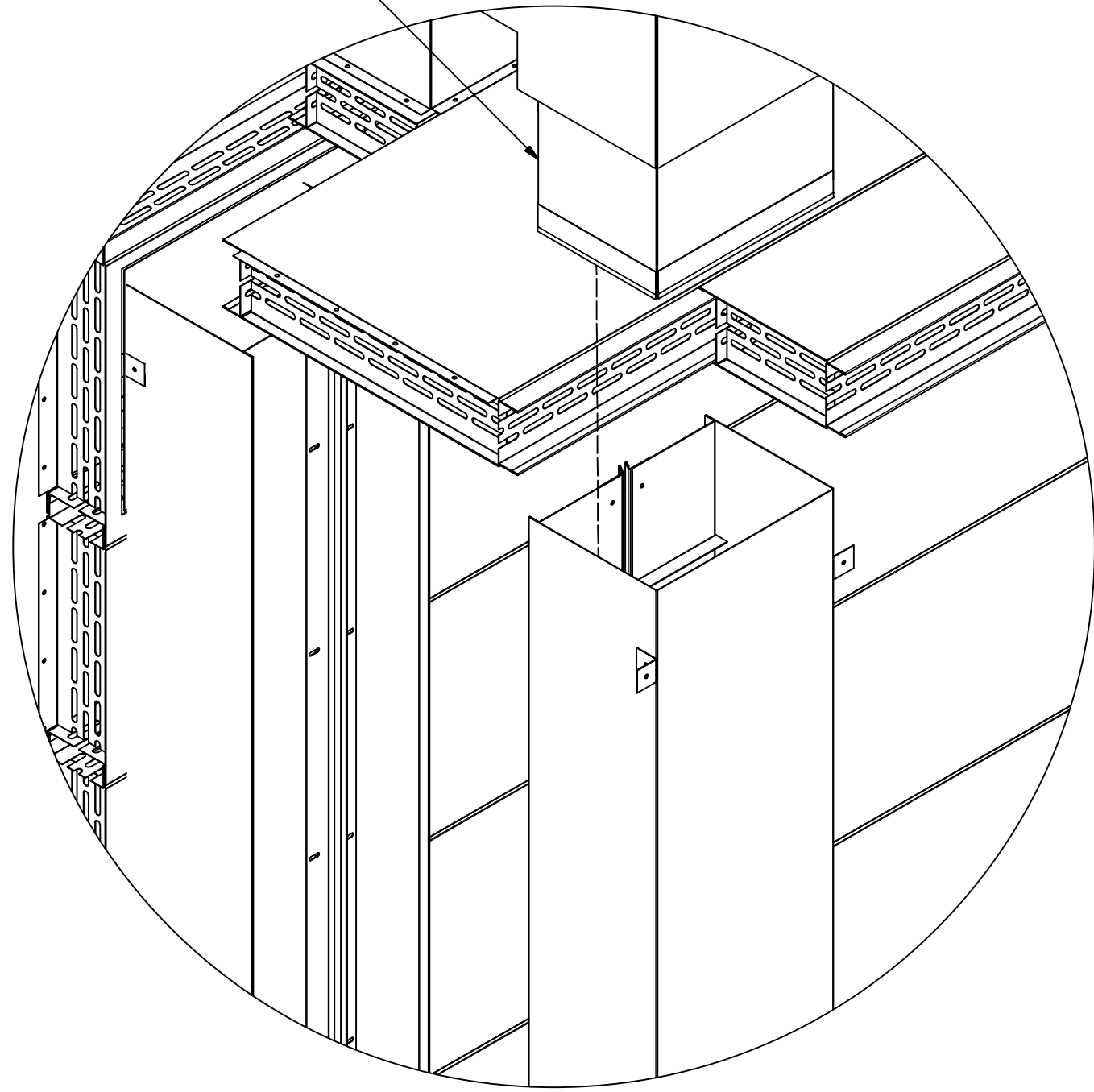
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EXPLODED  
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ASSEMBLY  
DRAWING

JOB NO: R2016151  
EQUIP. NO: POHT-WP-4.5-21.5-50  
SHEET NO:



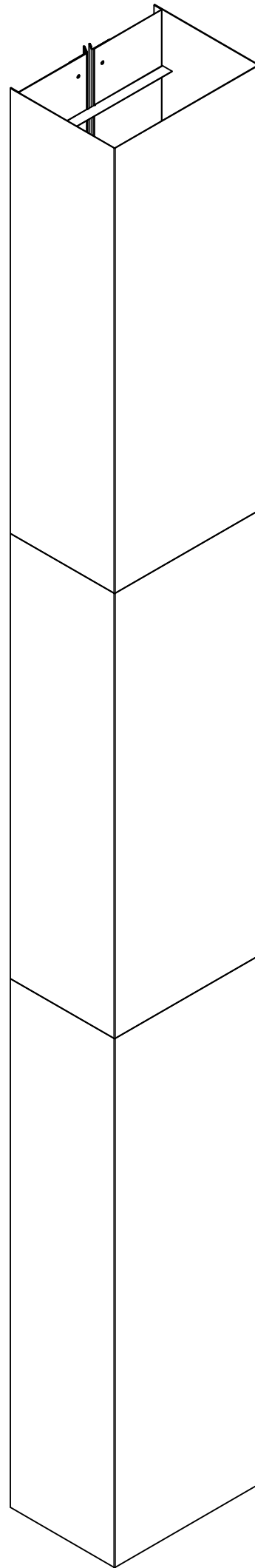
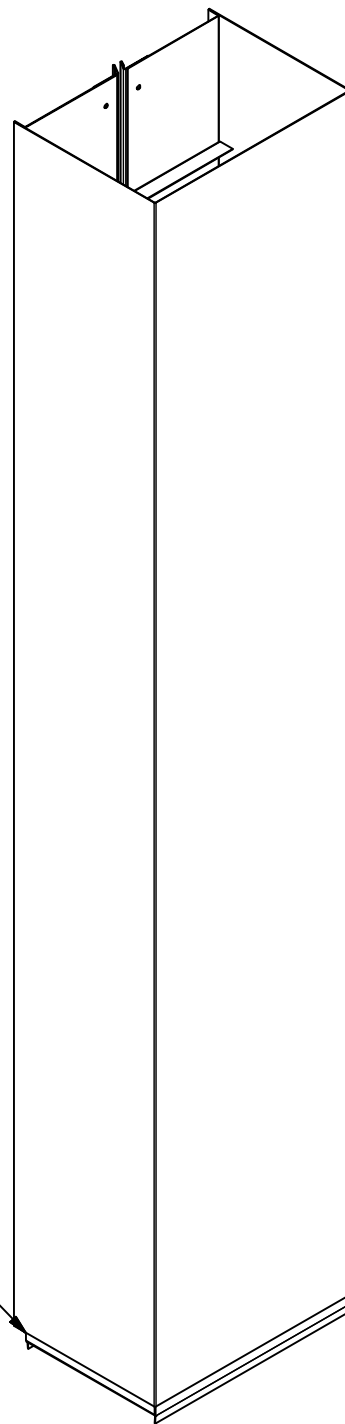


AIR CURTAIN DISCHARGE BOX  
RESTS ON TOP OF THE CEILING  
AND INSERTS INTO THE AIR  
CURTAIN FASTENING AT SEAM  
WITH PROVIDED TEK SCREWS (H1)

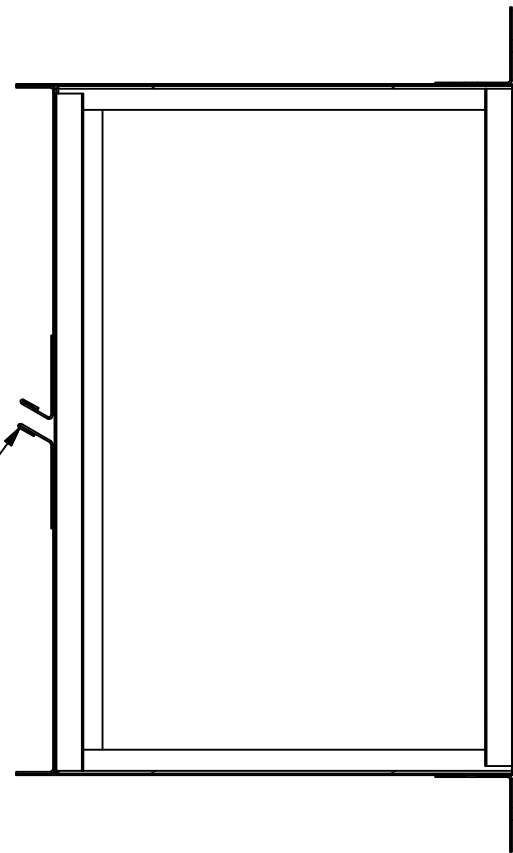


**DETAIL 1**

FLANGED MALE END OF  
AIR CURTAIN ASSEMBLY  
SLIDES INTO FEMALE END  
AND FASTENS WITH PROVIDED  
TEK SCREWS (H1) ALL THE WAY AROUND

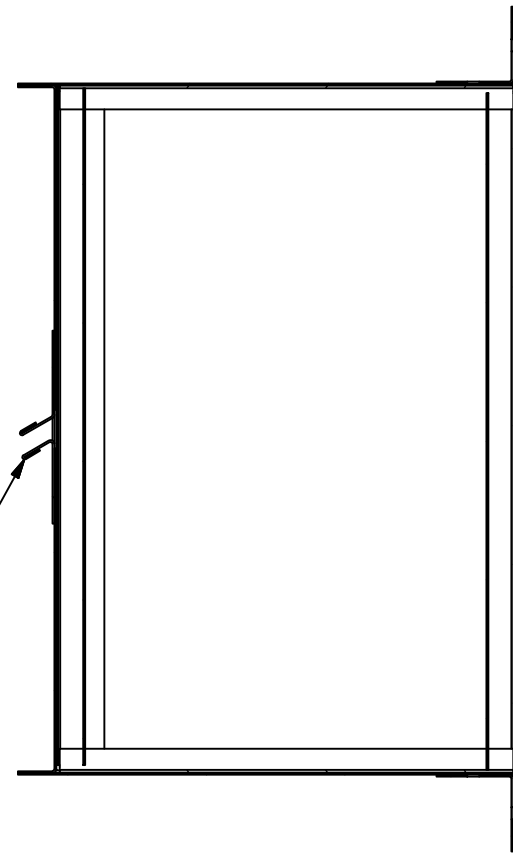


ANGLE TO FACE INWARD  
BELOW SECTION LINE WITH  
DEFAULT GAP OF 1/2"  
BETWEEN ANGLE



**ABOVE SECTION LINE**

ANGLE TO FACE OUTWARD  
BELOW SECTION LINE WITH  
DEFAULT GAP OF 1/2"  
BETWEEN ANGLE



**BELOW SECTION LINE**

**DETAIL 3**

**DETAIL 2**

		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
4-H1	24	18A-2-2-2-01	18 ga Angle
4-H2	2	A-AC-18-12-96-03	Assy - Air Curtian
4-H3	2	A-AC-18-12-96-04	Assy - Air Curtian
4-H4	4	A-AC-18-13-48-03	Assy - Air Curtian
4-H5	4	A-AC-18-13-48-04	Assy - Air Curtian
4-H6	2	A-AC-18-13-57-03	Assy - Air Curtian
4-H7	2	A-AC-18-13-57-04	Assy - Air Curtian
H1	150	31818	(12N100UHWZ) #12 Tek's, 5/16x1

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A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

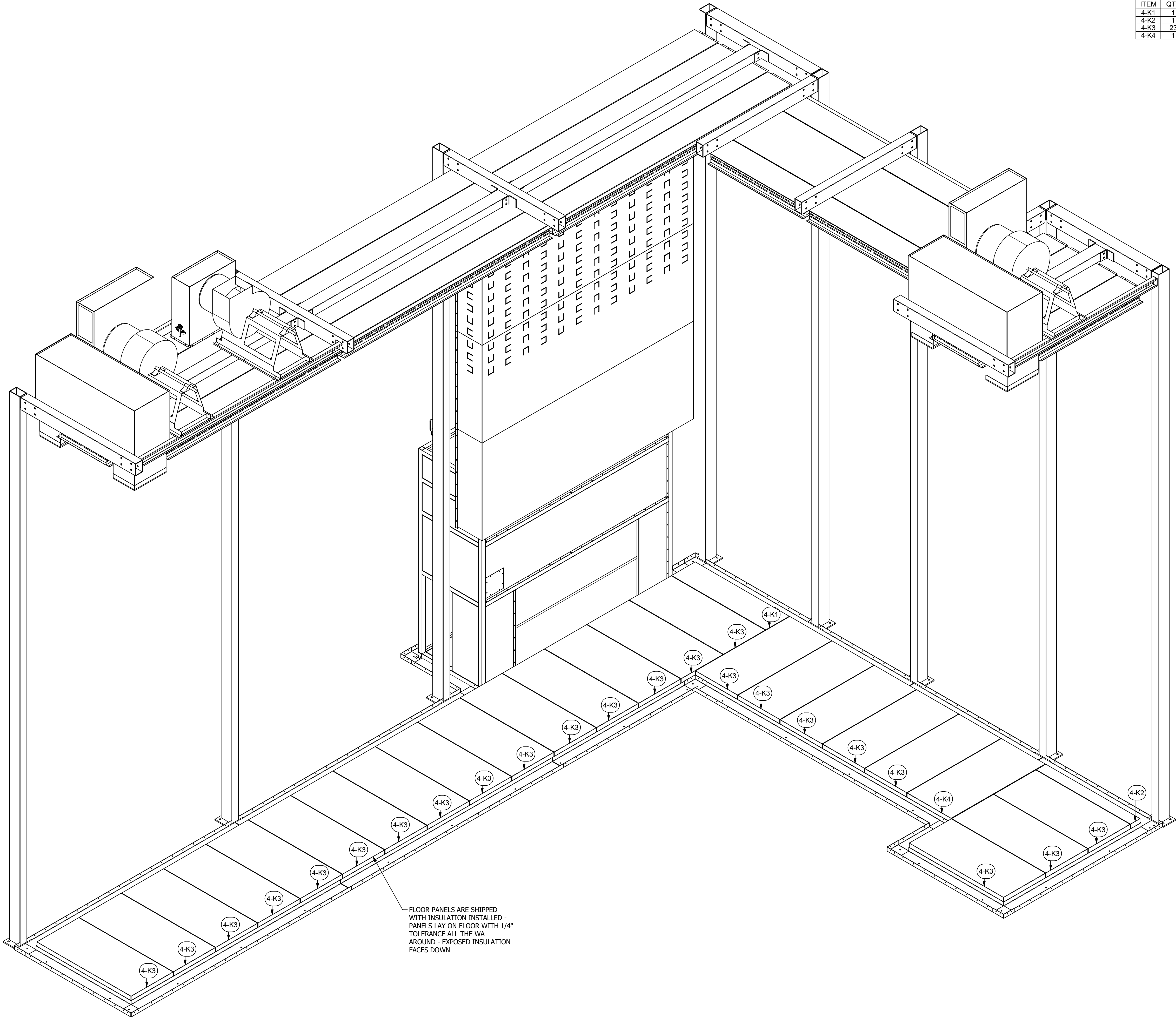
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DESCRIPTION OF CHANGE(S): Construction Set

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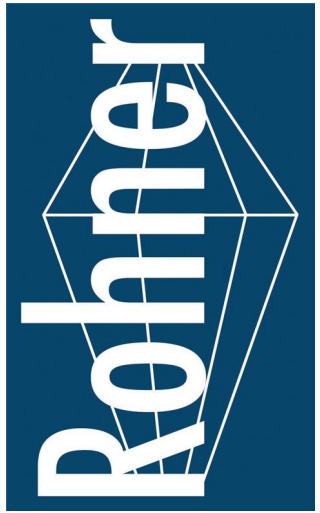
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SHEET NO:





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4-K1	1	BP4-4-24-13.5-01	18 ga Booth Panel 4-sided pan
4-K2	1	BP4-4-24-5.5-01	18 ga Booth Panel 4-sided pan
4-K3	23	BP4-4-24-53.5-01	18 ga Booth Panel 4-sided pan
4-K4	1	BP4-4-25-53.5-01	18 ga Booth Panel 4-sided pan

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A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
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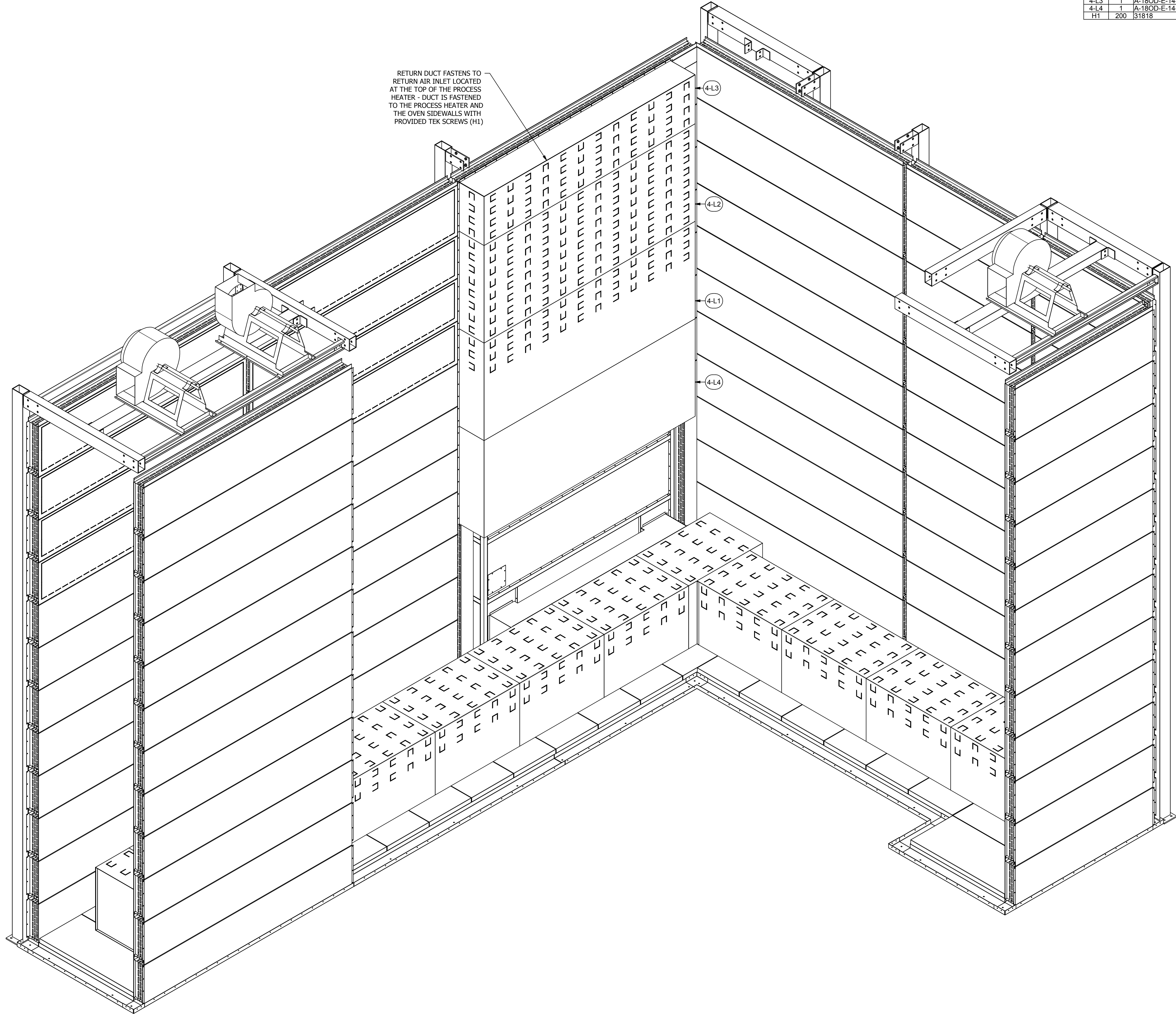
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REV: 16.1 - 12/28/16  
DESCRIPTION OF CHANGES:  
Construction Set

DRAWING TITLE:  
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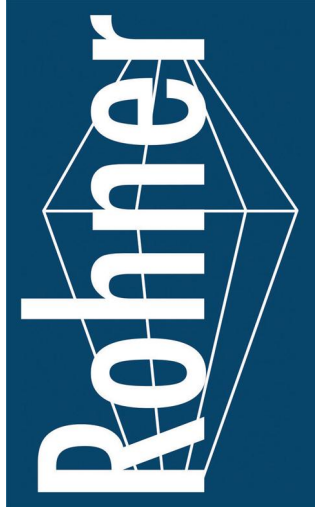
JOB NO: R2016151  
EQUIP. NO: POHT-WP-4.5-21.5-50-01  
SHEET NO:





PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
4-L1	1	A-18OD-14-120-48-01	Assy - Oven Duct	
4-L2	1	A-18OD-14-120-48-02	Assy - Oven Duct	
4-L3	1	A-18OD-E-14-120-24-01	Assy - Oven Duct End	
4-L4	1	A-18OD-E-14-120-48-01	Assy - Oven Duct End	
H1	200	31818	(12N100UHWZ) #12 Tek's, 5/16x1	

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MEBANE, NC 27302

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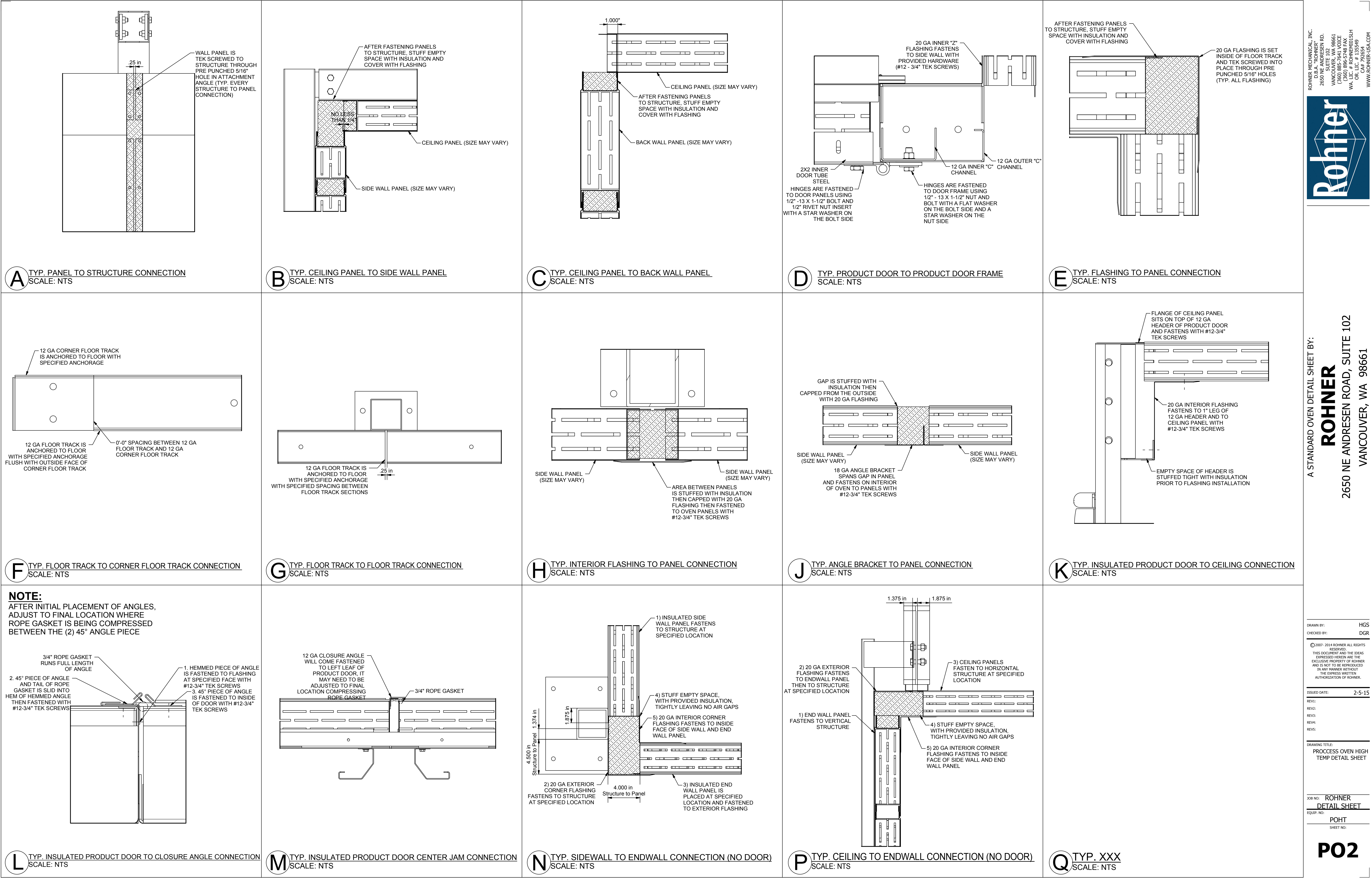
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DESCRIPTION OF CHANGE(S): Construction Set

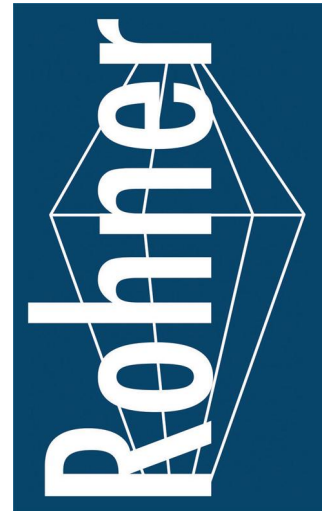
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JOB NO: R2016151  
EQUIP. NO: POHT-WP-4.5-21.5-50-01  
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A STANDARD OVEN DETAIL SHEET BY:  
**ROHNER**  
2650 NE ANDRESEN ROAD, SUITE 102  
VANCOUVER, WA 98661

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 2-5-15

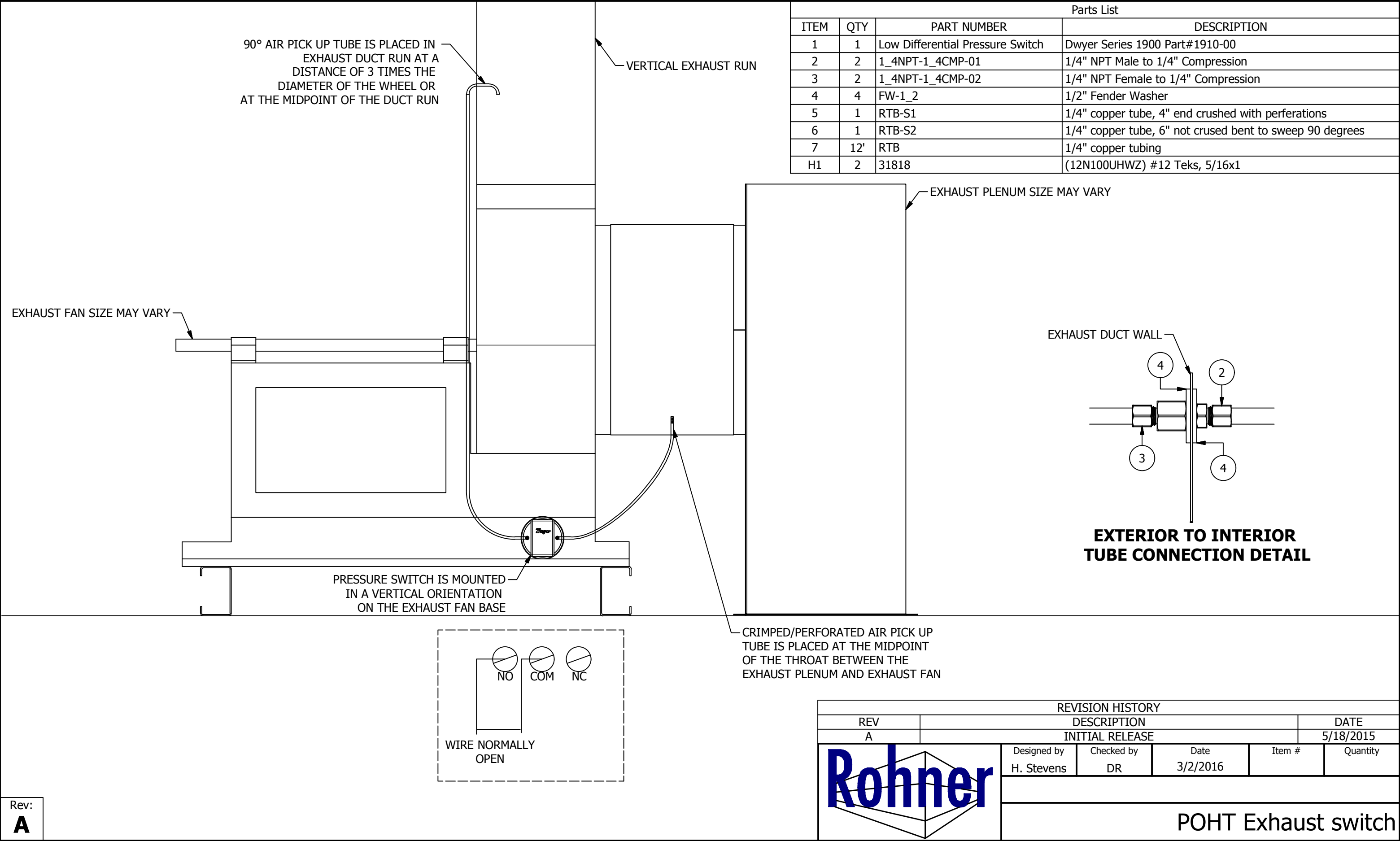
REV1:  
REV2:  
REV3:  
REV4:  
REV5:

DRAWING TITLE:  
PROCESS OVEN HIGH TEMP DETAIL SHEET

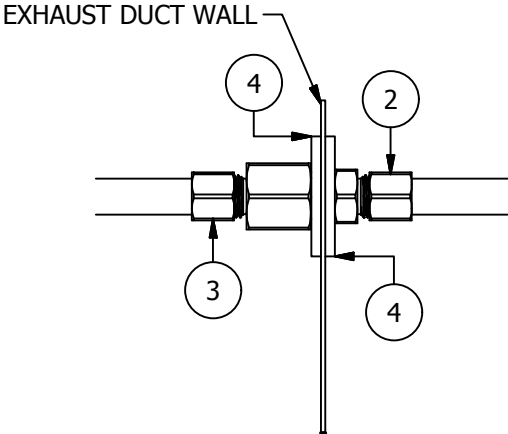
DWG NO: ROHNER  
DETAIL SHEET  
EQUIP. NO:  
POHT  
SHEET NO:

**P02**

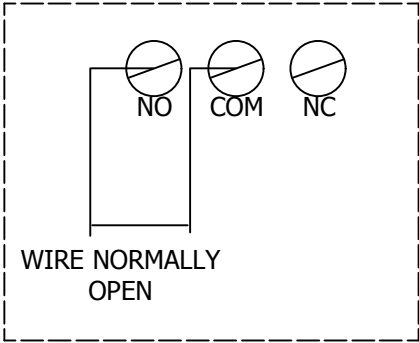




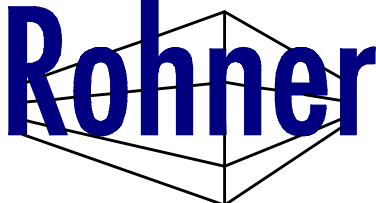
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Low Differential Pressure Switch	Dwyer Series 1900 Part#1910-00
2	2	1_4NPT-1_4CMP-01	1/4" NPT Male to 1/4" Compression
3	2	1_4NPT-1_4CMP-02	1/4" NPT Female to 1/4" Compression
4	4	FW-1_2	1/2" Fender Washer
5	1	RTB-S1	1/4" copper tube, 4" end crushed with perferations
6	1	RTB-S2	1/4" copper tube, 6" not crused bent to sweep 90 degrees
7	12'	RTB	1/4" copper tubing
H1	2	31818	(12N100UHWZ) #12 Teks, 5/16x1



EXTERIOR TO INTERIOR  
TUBE CONNECTION DETAIL

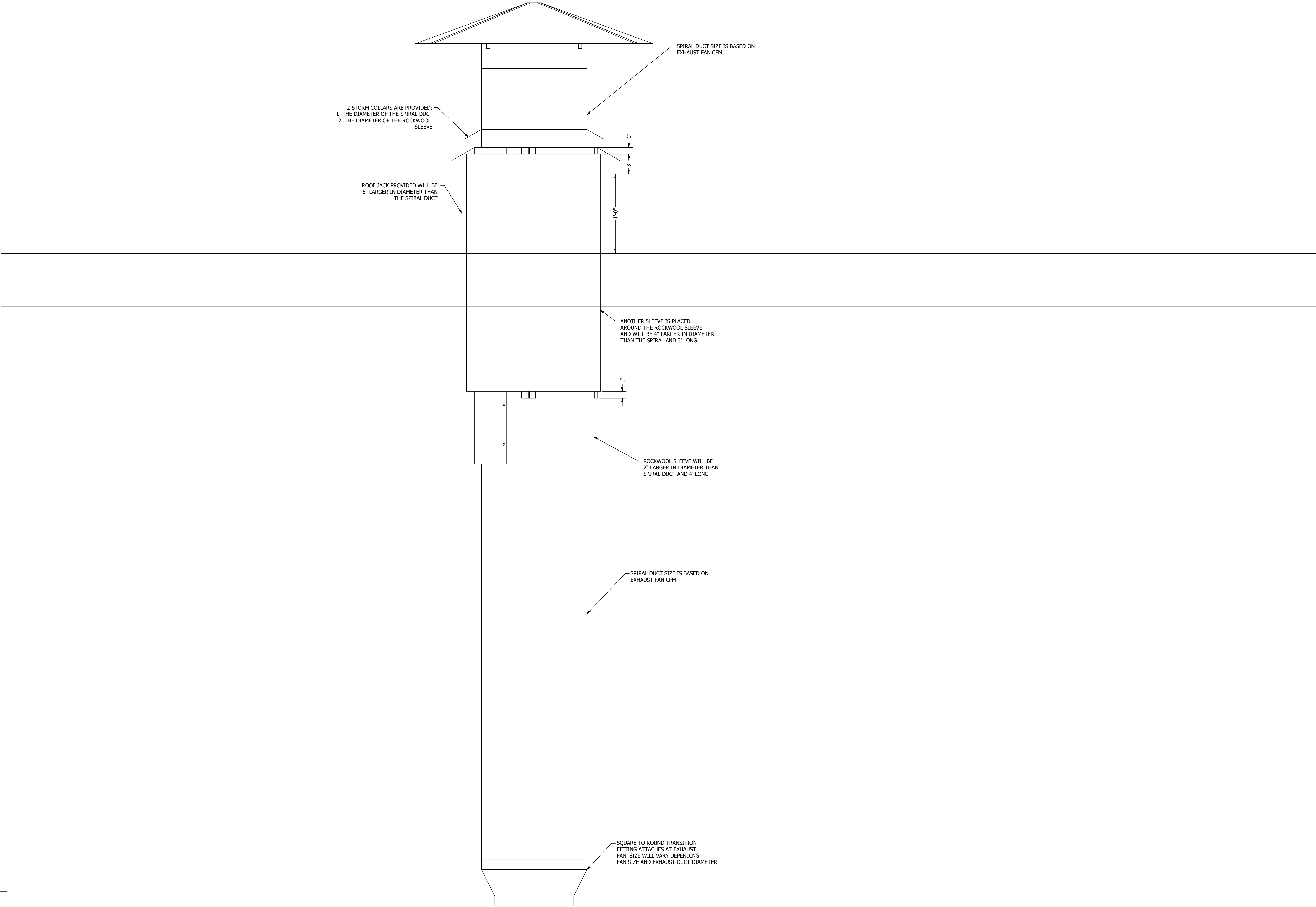


CRIMPED/PERFORATED AIR PICK UP  
TUBE IS PLACED AT THE MIDPOINT  
OF THE THROAT BETWEEN THE  
EXHAUST PLENUM AND EXHAUST FAN

REVISION HISTORY					
REV	DESCRIPTION				DATE
A	INITIAL RELEASE				5/18/2015
		Designed by	Checked by	Date	Item #
		H. Stevens	DR	3/2/2016	Quantity
POHT Exhaust switch					

Rev:  
**A**





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A STANDARD EXHAUST DUCT PACKAGE BY:  
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ISSUED DATE: 5/16/16

REV: 16.1 - 5/16/16

DESCRIPTION OF CHANGE(S):  
CONSTRUCTION SET

DRAWING TITLE:  
EXPLODED  
ISOMETRIC  
ASSEMBLY  
DRAWING

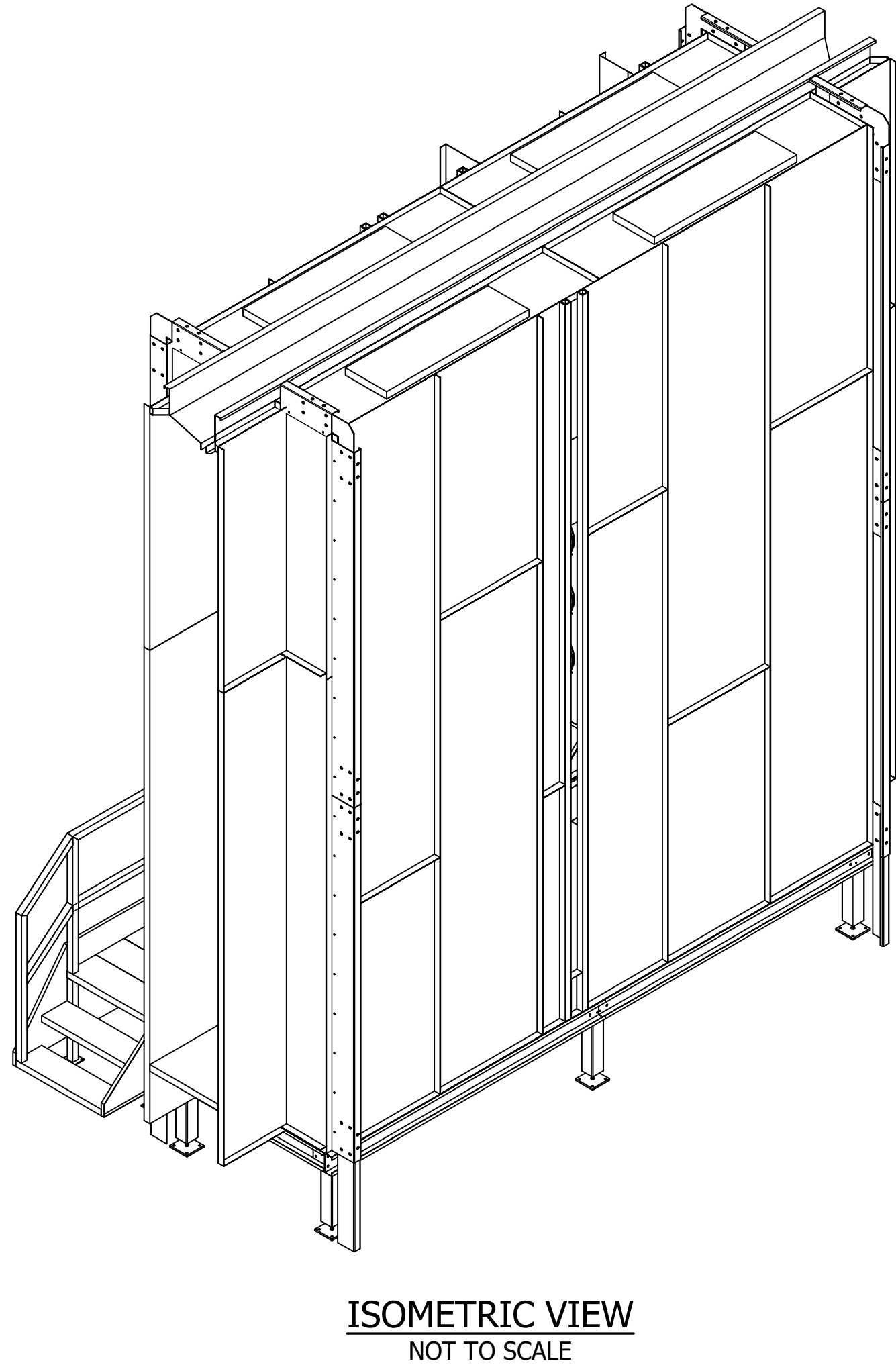
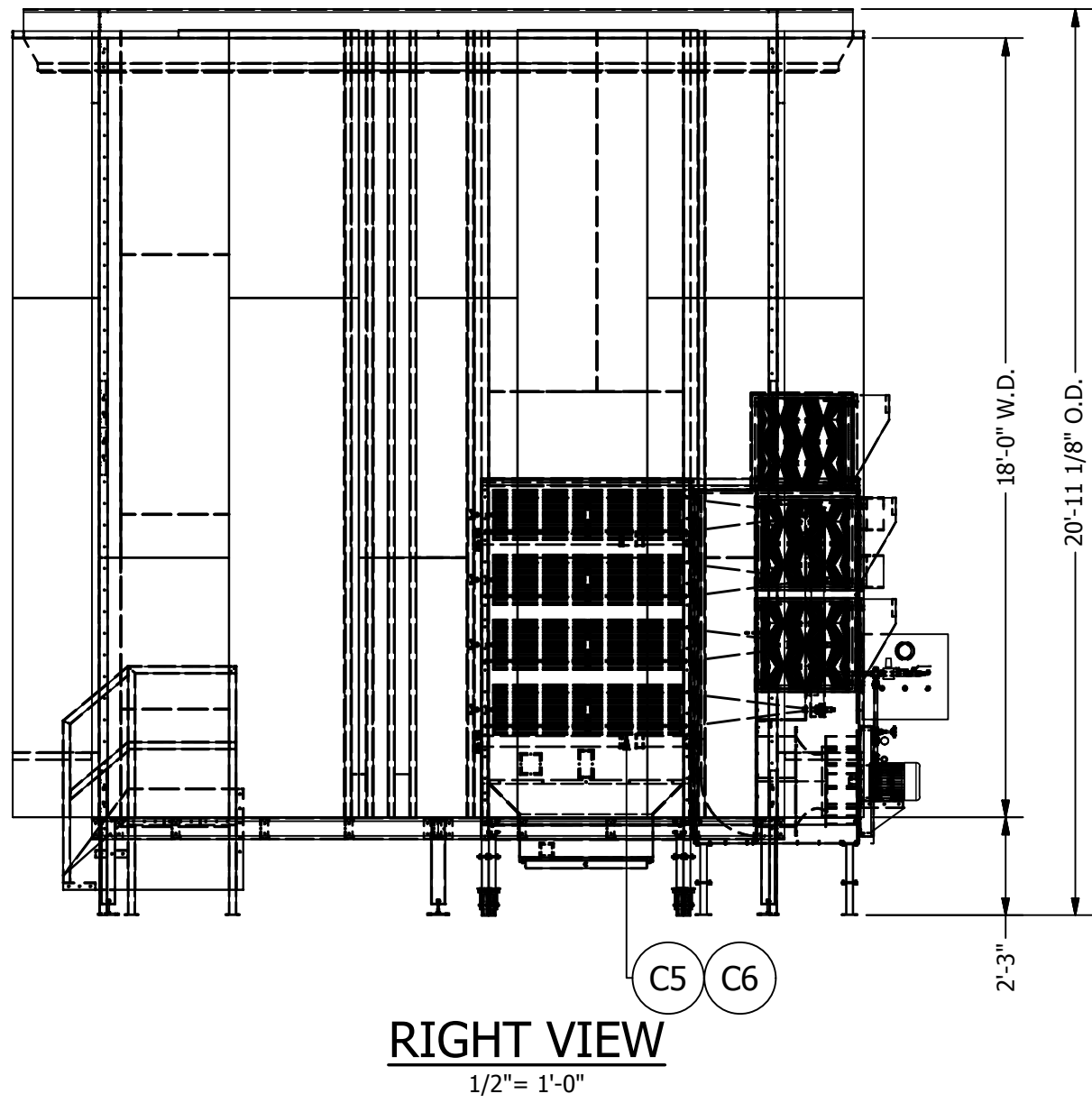
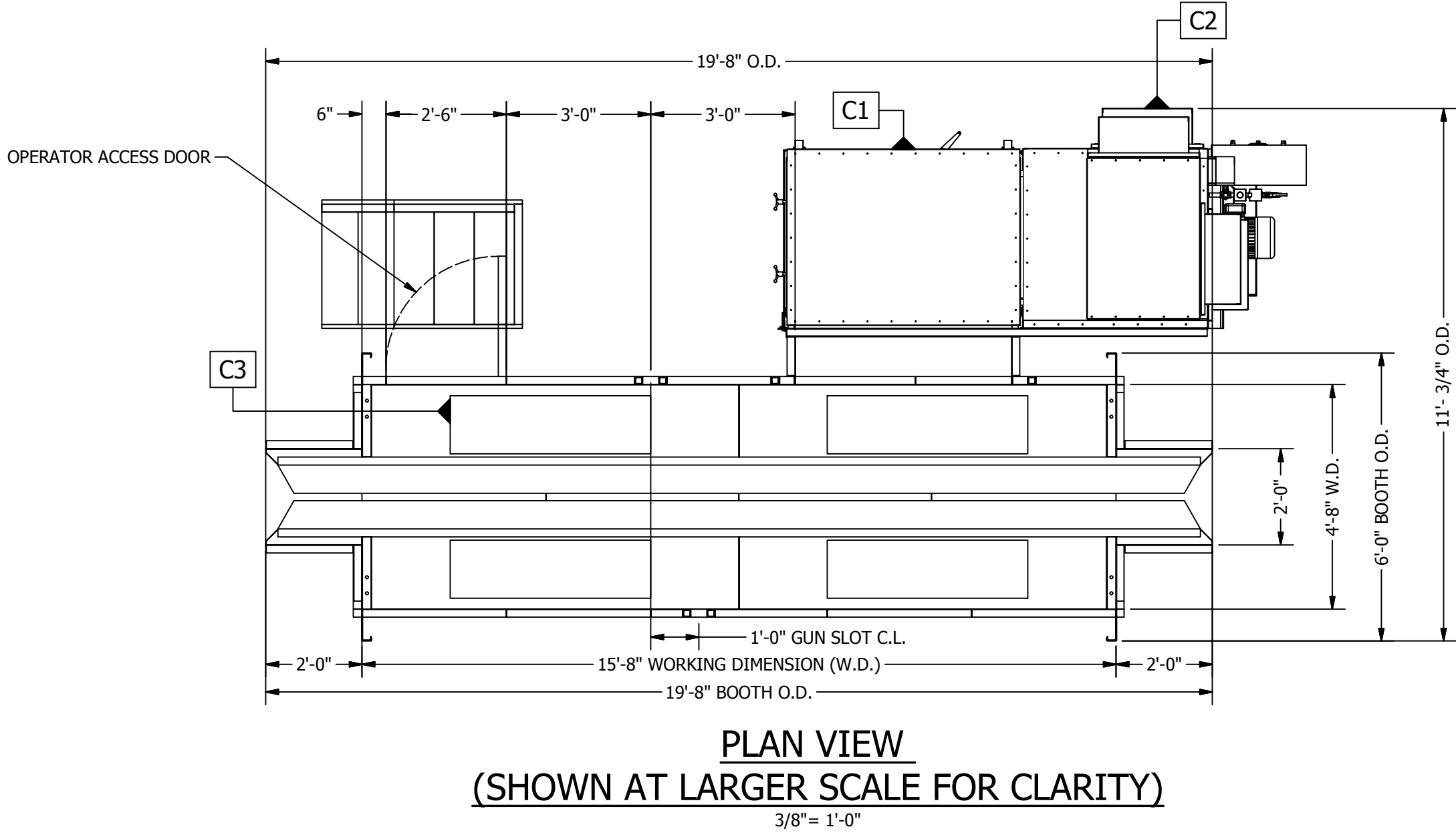
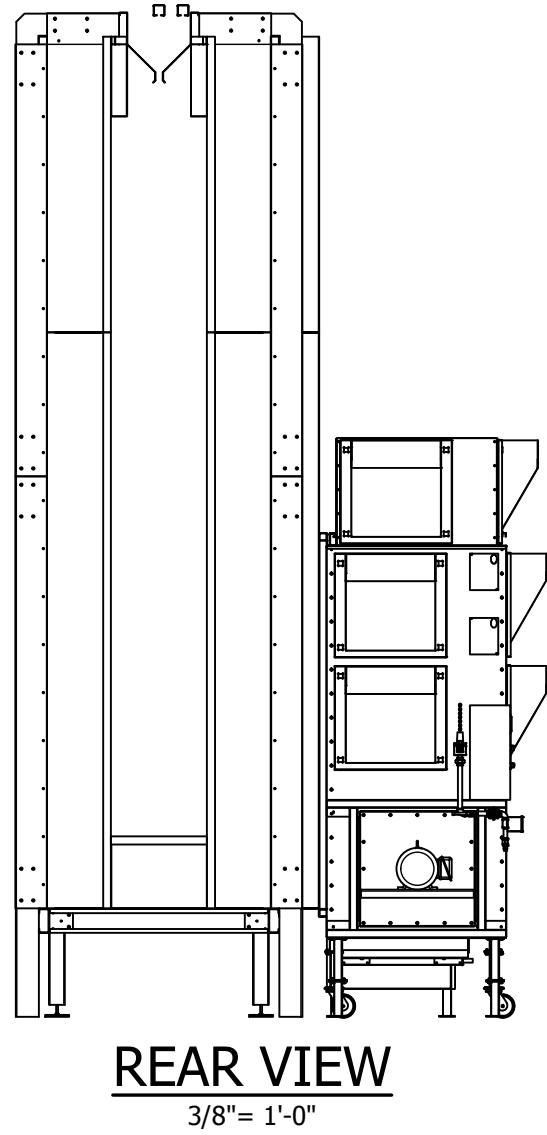
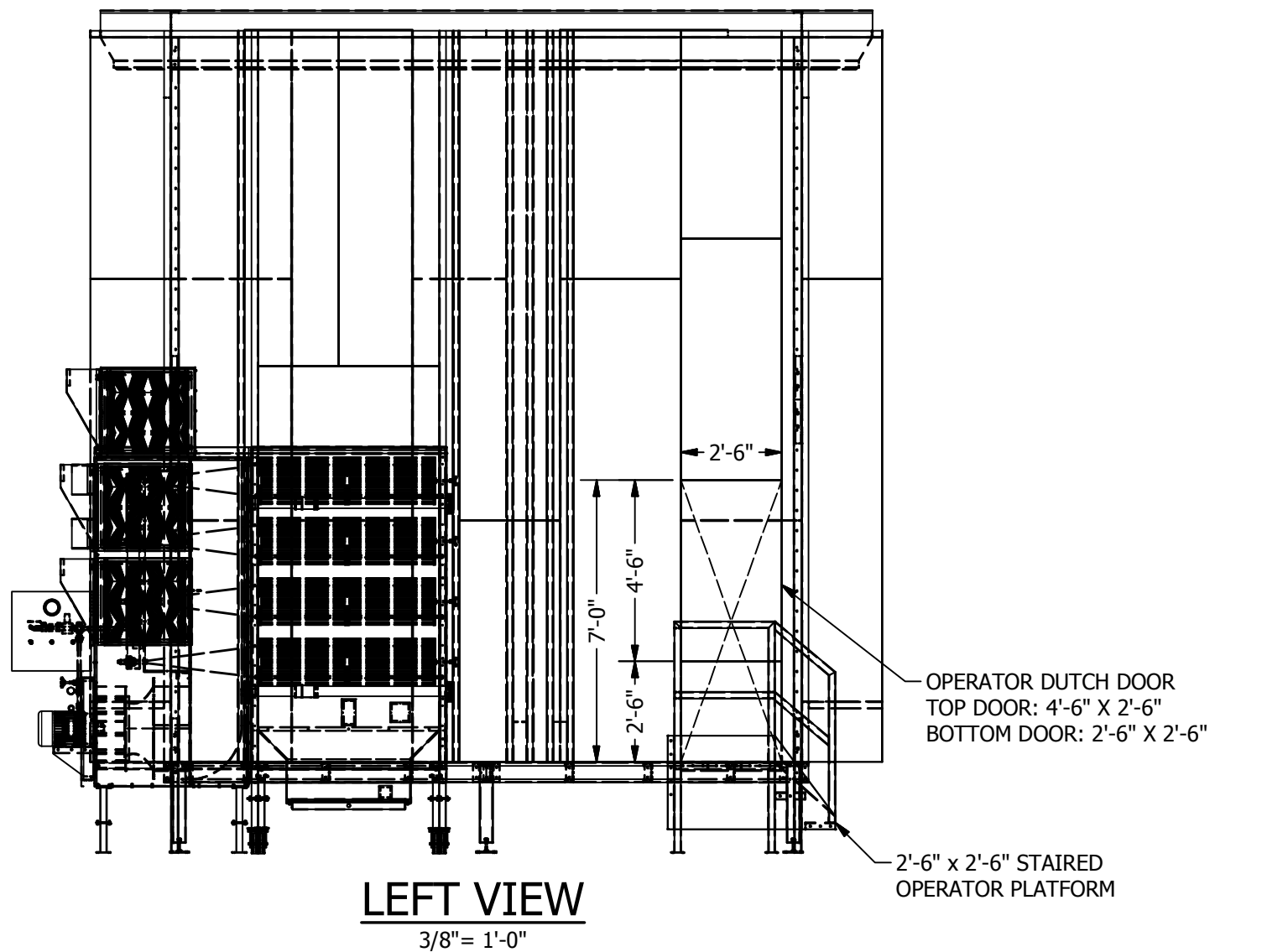
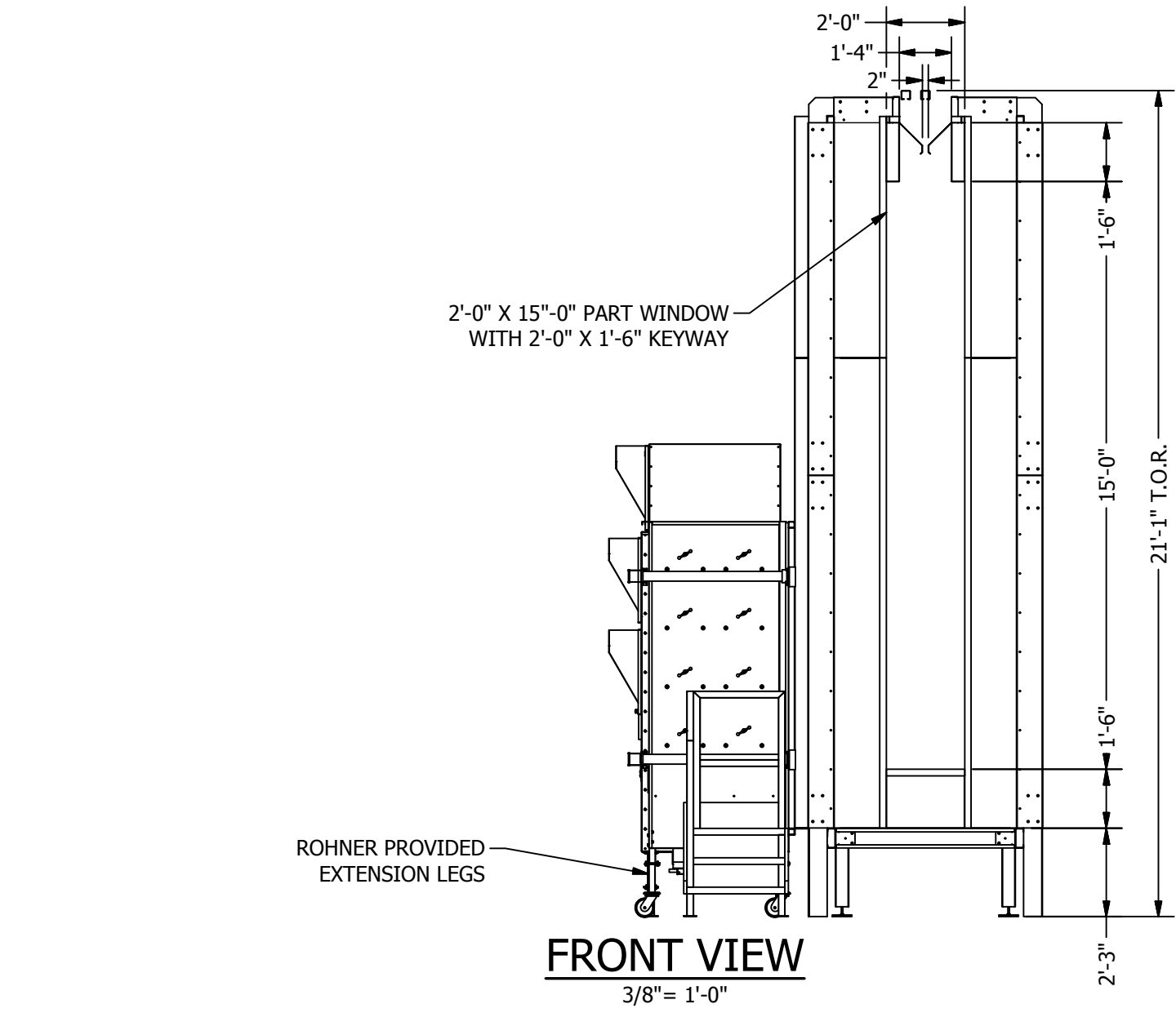
JOB NO: -

EQUIP. NO: -

SHEET NO:

ED





## APPROVED FOR CONSTRUCTION

VELOCITY THROUGH OPENING = 158 fpm

### PBCEF-RM12000-5-18-16 - PROCESS POWDER BOOTH

(1) Process Powder Booth with Conveyor Slot, Elevated Platform & 2'-6" x 7'-0" operator openings. Supply air is pulled passively through booth conveyor portals & operator openings. Exhaust air is evacuated through RM-12000 reclaim cartridge collector module mounted in booth side wall.

BOOTH				
Tag	Qty	Pck.	Part	Description
B1	1		PBCEF-RM12000-5-18-16-1.1	PBCEF-RM12000-5-18-16 - Raised Platform - 1.1
B2	1		PBCEF-RM12000-5-18-16-1.2	PBCEF-RM12000-5-18-16 - Cabin Side Walls - 1.2
B3	1		PBCEF-RM12000-5-18-16-1.3	PBCEF-RM12000-5-18-16 - Cabin Ceiling - 1.3
B4	1		PBCEF-RM12000-5-18-16-1.4	PBCEF-RM12000-5-18-16 - Cabin End Walls - 1.4
B5	1		RM-12000	RM-12000 - Construction Set

EQUIPMENT				
E1				N/A

COMPONENTS				
C1	1		RM-12000	(1) Quick Color change Fluidized Bed Filter Housing to include: (16) cellulose 14" x 20" primary cartridge filters rated for 99.97% efficiency, (1) each 1500b fluidized powder recovery bed with transfer pump filling (pump by others). Cartridge module is mounted on (4) 6" casters and secured to the booth and blower module with quick latching hardware and includes full face gaskets to ensure a tight seal.
C2	1		Reclaim Module Blower Housing	(1) 24" Class II OEP aluminum backward inclined direct drive blower with 15hp TEFC C-face 460V/360 motor rated for 12,000 CFM @ 5" S.P. & (6) 24" x 24" redundant safety final filters rated for 95.9% efficiency & (8) 120V/1/60 back pulse cleaning solenoids pre plumbed and wired.
C3	4		300440-3546	Enclosed Class 1 Div. II UL listed blowers cent inside access light fixture, 115V-277V/60Hz.
C4	1		SBSV-B5N1	Standard 3/4" solenoid valve, shipped loose, 120v 160
C5	8		CRBC2P130CB23M	#LP351S166C2391 - Cartridge filter 80/20 Spray-to-Waste (80% cellulose / 20% polyester) - open/closed with bolt hole 350-2" pleats, 254 sq.ft. of surface area
C6	8		CRBC2P130CB23M	#LP351D66C2391 - Cartridge filter 80/20 Spray-to-Waste (80% cellulose/20% polyester) open/closed, 350-2" pleats and 254 sq.ft. of surface area.

ASSEMBLIES				
A1	N/A			N/A
A2	N/A			N/A

CONTROLS				
C01			RM-Nema 12	460V/360 Industrial UL listed NEMA 12 control panel with lighting contactor, reclaim transfer pump solenoid and hopper timer control, Dwyer digital back pulse timer dust collector automatic solenoid control, high limit shut down and panel mounted magnetic visual indicator.

DUCT				
D1				N/A

GENERAL NOTES				
18 ga galvanized construction, pre-punched for nut and bolt assembly				
Booth base & structure constructed of hot roll shapes, welded and punched for nut and bolt assembly, powder coated finish				
Includes all assembly materials, fasteners and caulking				
MEETS OR EXCEEDS REQUIREMENTS OF NFPA 33 AND OSHA REGULATIONS				

A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 10/7/16

REV: 16.2 - 02/03/17  
DESCRIPTION OF CHANGES:  
INITIAL RELEASE  
DUTCH DOOR DBMS ADDED

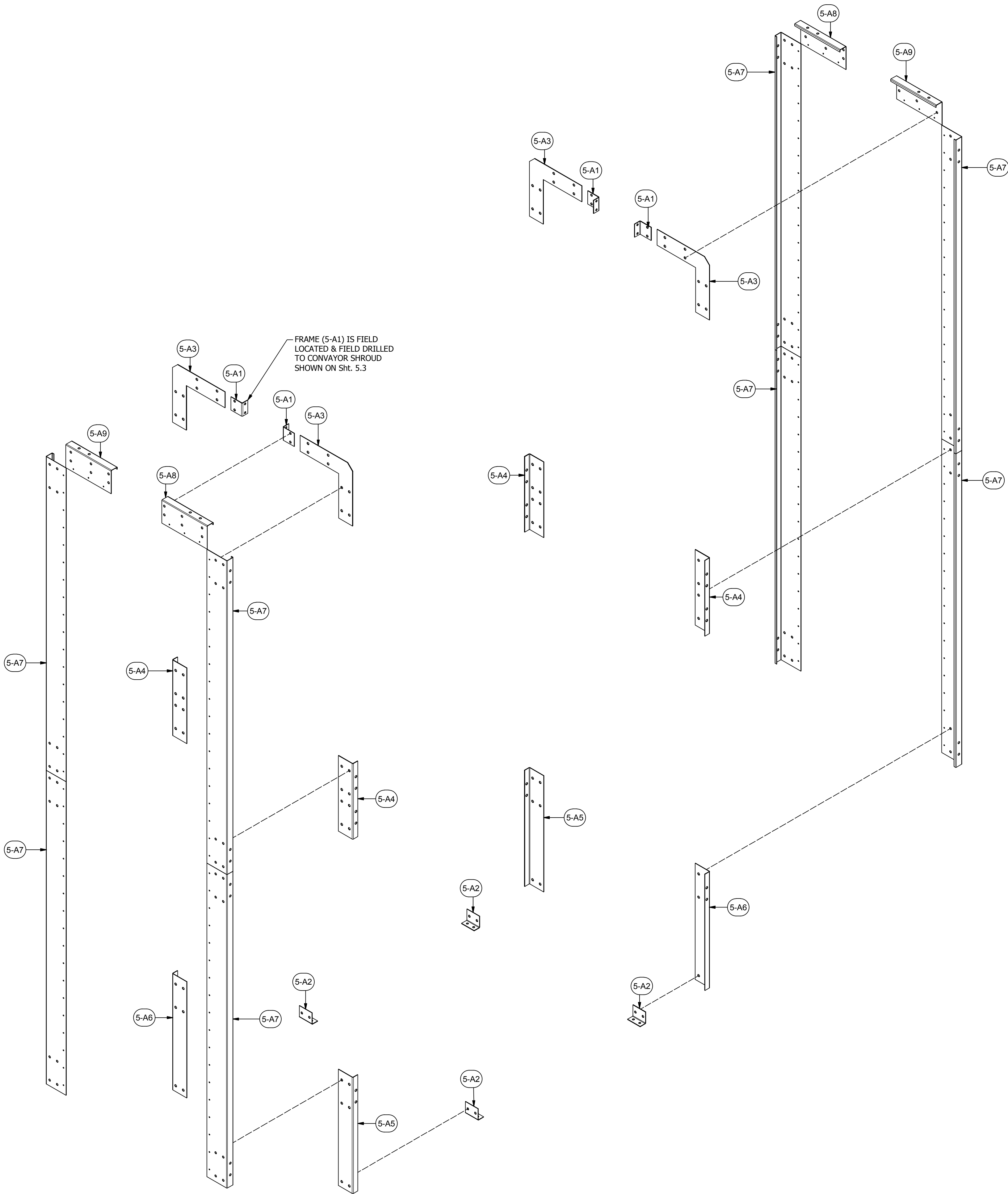
DRAWING TITLE:  
FLOOR PLANS/  
ELEVATIONS/  
SECTIONS

JOB NO:  
R2016151

EQUIP. NO:  
PBCEF-RM12000-5-18-16

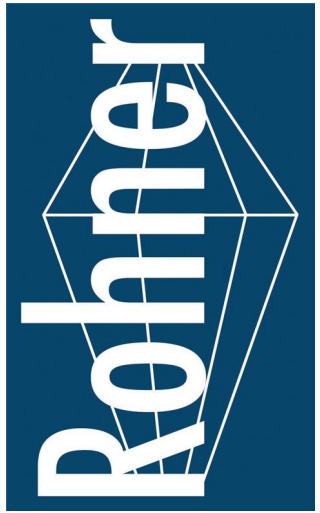
SHEET NO:





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5-A1	4	10RIBA-4.5-4.5-04	10 ga Rib Anchor Angle
5-A2	4	10RIBAA-2.5-8-04	10 ga Rib Anchor Angle
5-A3	4	10RIBJ-2.5-8-90d-N	10 ga Rib Joint 90 degree corner
5-A4	4	I-10RIBJ-2.5-8-180d-01	10 ga Rib Joint straight IP
5-A5	2	I-10RIBJ-2.5-8-180d-S	10 ga Rib Joint straight IP
5-A6	2	I-10RIBJ-2.5-8-180d-S-02	10 ga Rib Joint straight IP
5-A7	8	12JC-2.5-8-108-01	12 ga J Channel
5-A8	2	12JC-2.5-8-18-01	12 ga J Channel
5-A9	2	12JC-2.5-8-18-02	12 ga J Channel
H10	159	62C150HCS5Z	Hex Bolt - 5/8-11x1 1/2"
H11	159	36T14	Hex Nut - 5/8-11

ROHNER MECHANICAL, INC.  
10000 10TH AVENUE  
SUITE 102  
VANCOUVER, WA 98661  
(360) 885-7641 VOICE  
(360) 885-7641 FAX  
WA LIC # R00061051H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

DRAWN BY: ICP  
CHECKED BY: DGR

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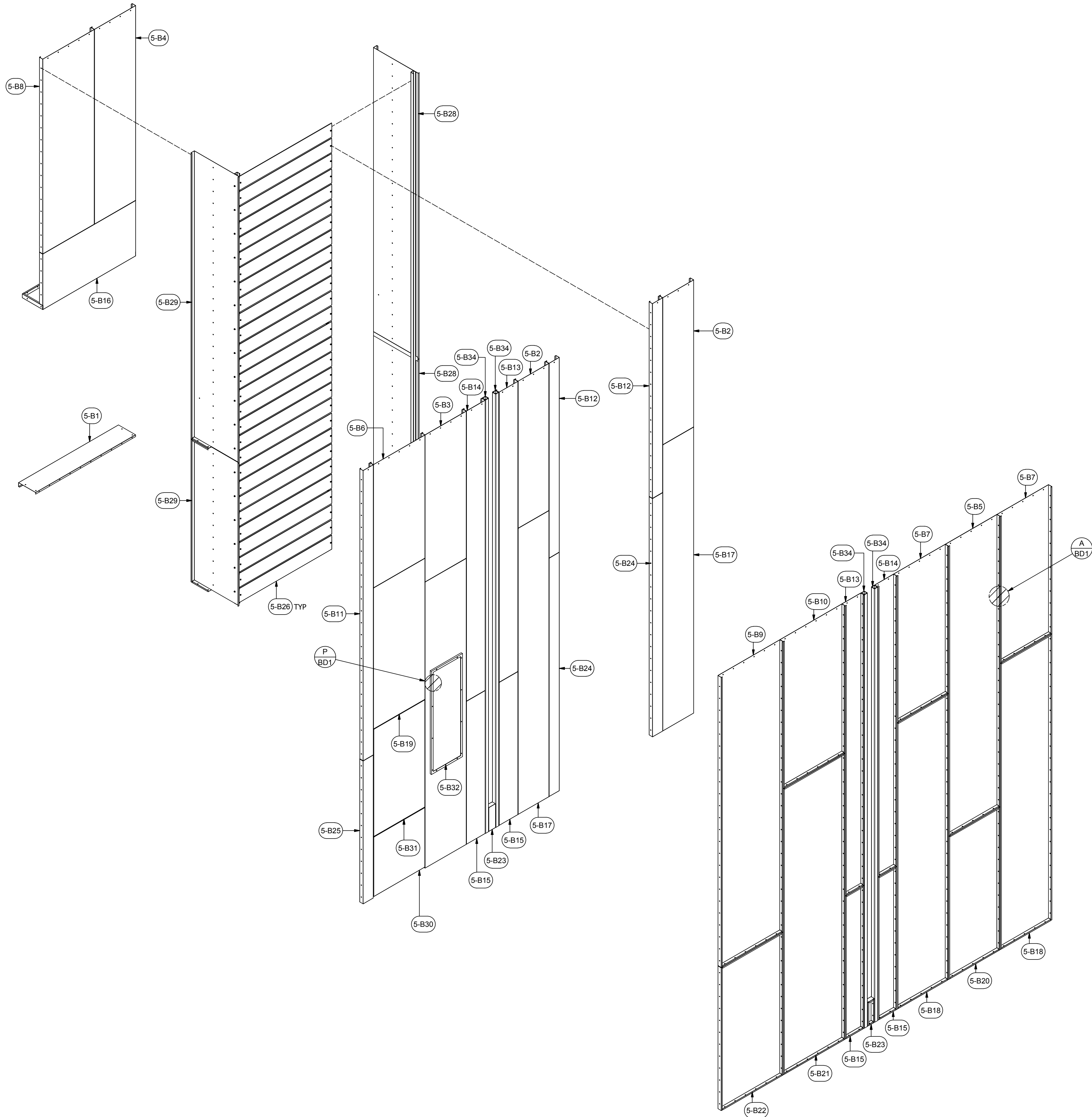
ISSUED DATE: 01/30/17  
REV: 17.1 - 1/30/17  
DESCRIPTION OF CHANGE(S):  
Construction Set

DRAWING TITLE:  
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ISOMETRIC  
ASSEMBLY  
DRAWING

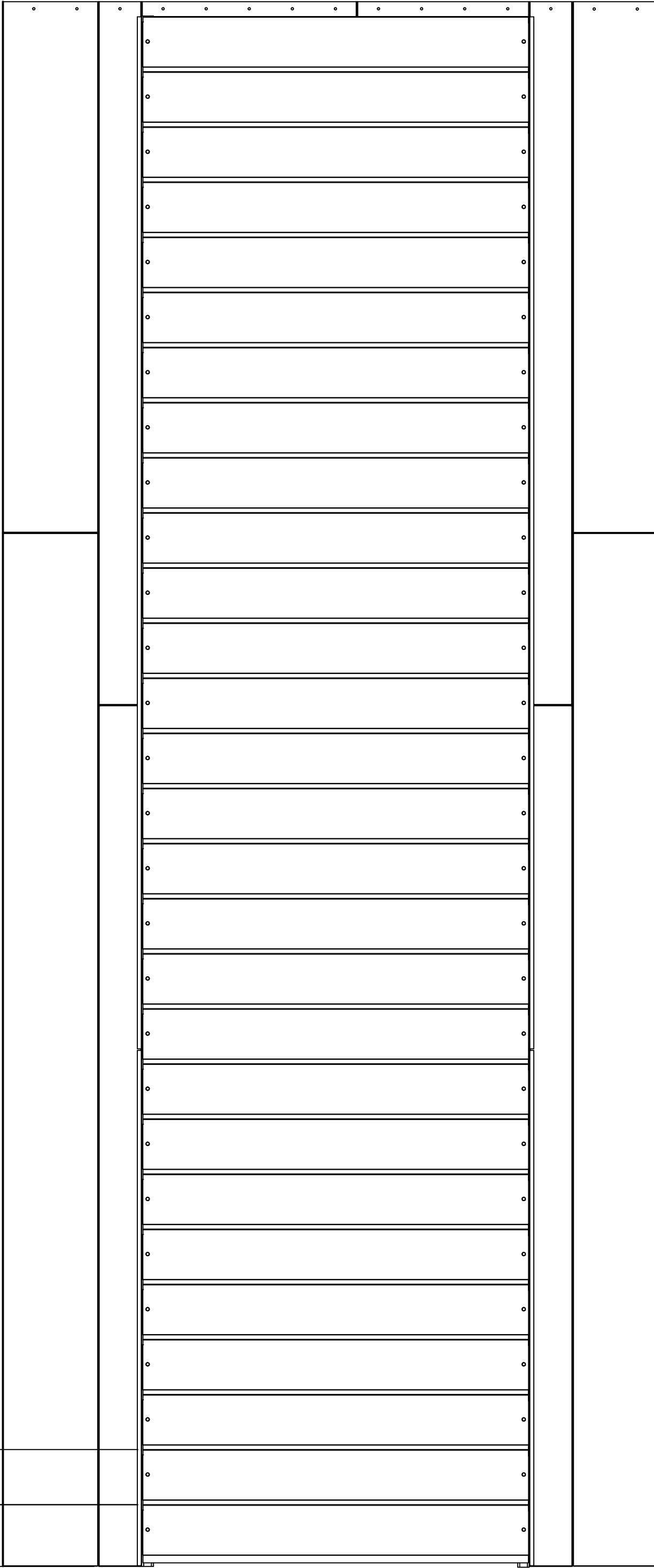
JOB NO:  
R2016151  
EQUIP. NO:  
PBCEF-RM12000-5-18-16  
SHEET NO:

5.1





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5-B1	1	BP1-10-58-02	18 ga Booth Panel 1-sided
5-B2	2	BP3-18-74	18 ga Booth Panel 3-sided pan
5-B3	1	BP3-24-74	18 ga Booth Panel 3-sided pan
5-B4	1	BP3-24-98-01	18 ga Booth Panel 3-sided pan
5-B5	1	BP3-30-146-01	18 ga Booth Panel 3-sided pan
5-B6	1	BP3-30-62	18 ga Booth Panel 3-sided pan
5-B7	2	BP3-30-74-01	18 ga Booth Panel 3-sided pan
5-B8	1	BP3-30-98-01	18 ga Booth Panel 3-sided pan
5-B9	1	BP3-36-146-01	18 ga Booth Panel 3-sided pan
5-B10	1	BP3-36-74	18 ga Booth Panel 3-sided pan
5-B11	1	BP3-6-146-01	18 ga Booth Panel 3-sided pan
5-B12	2	BP3-6-98-01	18 ga Booth Panel 3-sided pan
5-B13	2	BP3-L-11-146-01	18 ga Booth Panel 3-sided pan - Left
5-B14	2	BP3-R-11-146-01	18 ga Booth Panel 3-sided pan - Right
5-B15	4	BP4-11-72-01	18 ga Booth Panel 4-sided pan
5-B16	1	BP4-12-28-54-02	18 ga Booth Panel 4-sided pan
5-B17	2	BP4-18-144-01	18 ga Booth Panel 4-sided pan
5-B18	2	BP4-30-144-01	18 ga Booth Panel 4-sided pan
5-B19	1	BP4-30-71-01	18 ga Booth Panel 4-sided pan
5-B20	1	BP4-30-72	18 ga Booth Panel 4-sided pan
5-B21	1	BP4-36-144	18 ga Booth Panel 4-sided pan
5-B22	1	BP4-36-72	18 ga Booth Panel 4-sided pan
5-B23	2	BP4-4-12	18 ga Booth Panel 4-sided pan
5-B24	2	BP4-6-120	18 ga Booth Panel 4-sided pan
5-B25	1	BP4-6-72	18 ga Booth Panel 4-sided pan
5-B26	28	18CC-1.5-7-1-5-45d-02	18 ga C Channel
5-B27	1	A-LP4-24-144-1HF-05	Assy - 18 ga Light Panel - Class I, Div II
5-B28	1	A-BP3-L-26-216-02	Assy - Booth Panel - 3 Sided
5-B29	1	A-BP3-R-26-216-02	Assy - Booth Panel - 3 Sided
5-B30	1	A-PPB-ADR-02	Assy - Process Powder Booth - Access Door - Galvanized
5-B31	1	A-PPB-ADR-30-54-02	Assy - Process Powder Booth - Access Door - Galvanized
5-B32	1	LDPI #390440-3546	Class 1 Div 2 Hazardous Light Fixture
5-B33	4	I-LF-T8	Light Fixture- T8 Fluorescent Tube- IP
5-B34	4	TS- 25-2-2-218-01	Tube Steel 2x2x.25
5-B35	56	91309A550	1/4-20 2" Bolt
5-B36	56	1/2in Unistrut Spring Nut	25in Unistrut Spring Nut
H7	208	25C100SWHZ	1/4-20x1" Self Drilling Screw
H2	671	142034	Hex Bolt- 1/4-20x3/4"
H3	671	857180	Hex Flange Lock Nut, 1/4-20
H8	4	999-A	Dow Corning Caulking- Clear (silicone)



A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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ISSUED DATE: 01/30/17  
REV: 17.1 - 1/30/17  
DESCRIPTION OF CHANGE(S): Construction Set

DRAWING TITLE:  
EXPLODED  
ISOMETRIC  
ASSEMBLY  
DRAWING

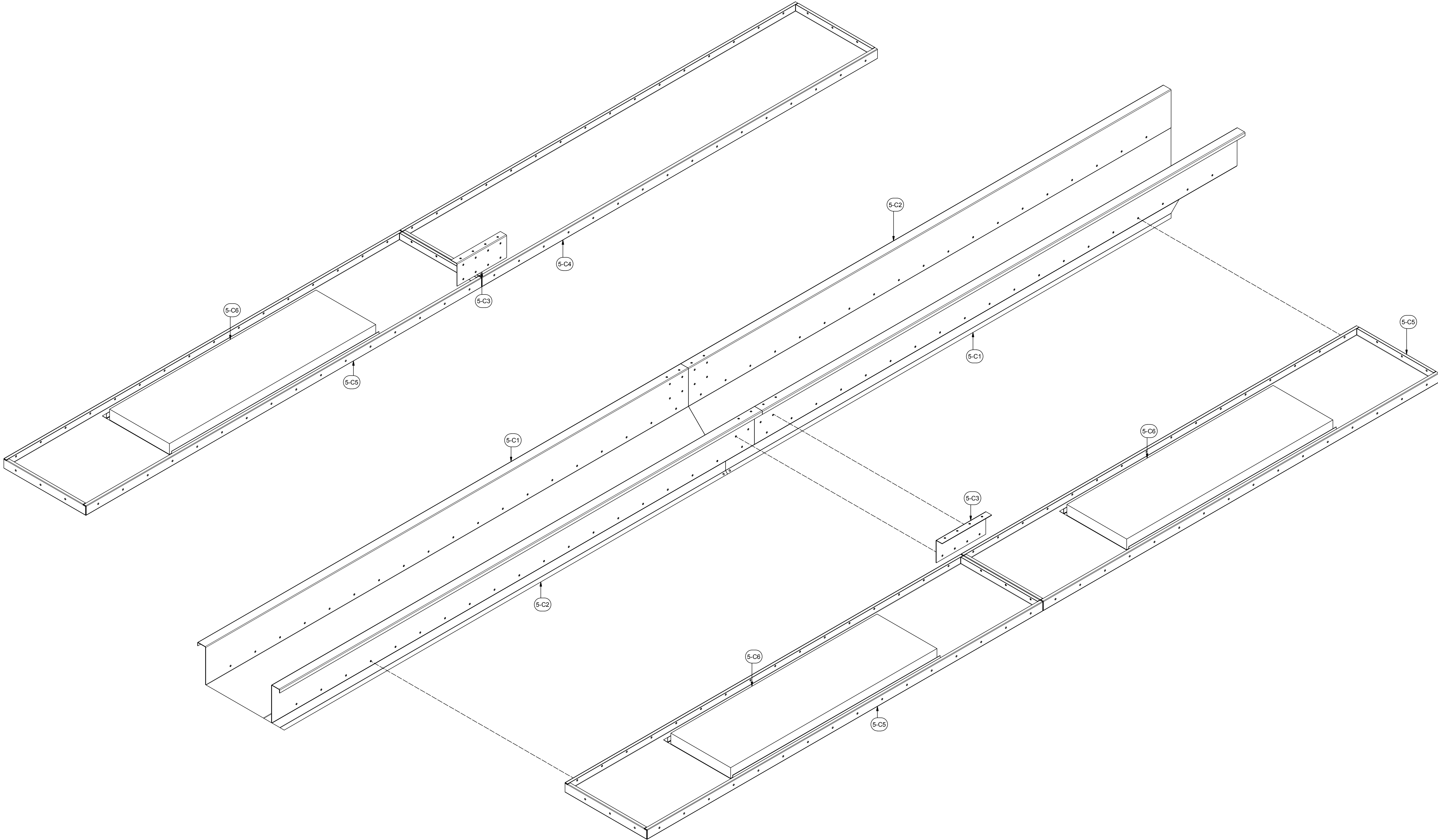
JOB NO:  
R2016151  
EQUIP. NO:  
PBCEF-RM12000-5-18-16  
SHEET NO:

5.2

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10001 ROHNER RD.  
SUITE 102  
VANCOUVER, WA 98661  
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(360) 885-7641 FAX  
WA LIC # R009600151H  
OR. LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM

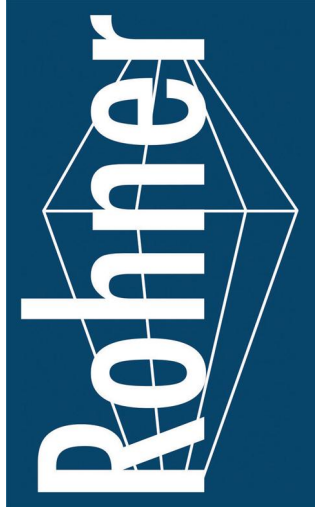






PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5-C1	2	14SS-PPB-CS-L-15.5-117-02	14 ga SS - Process Powder Booth - Conveyor Shroud - Left
5-C2	2	14SS-PPB-CS-R-15.5-117-02	14 ga SS - Process Powder Booth - Conveyor Shroud - Left
5-C3	2	14SS-PPB-A-12-4.75-01	14 ga SS - Process Powder Booth Angle
5-C4	1	BP4-20-96	18 ga Booth Panel 4-sided pan
5-C5	3	A-LP4-20-96-1HF-01	Assy - Light Panel - Class I, Div II
5-C6	3	LDPI #390440-3546	Class 1 Div 2 Hazardous Light Fixture
5-C7	12	I-LF-T8	Light Fixture- T8 Fluorescent Tube- IP
H1	36	31818	(12N100UHWZ) #12 Tek's, 5/16x1
H2	142	142034	Hex Bolt- 1/4-20x3/4"
H3	142	857180	Hex Flange Lock Nut: 1/4-20
H8	1	999-A	Dow Corning Caulking- Clear (silicone)

ROHNER MECHANICAL, INC.  
2650 N. JENSEN RD.  
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VANCOUVER, WA 98661  
(360) 885-7641 VOICE  
FAX (360) 885-7642  
WA LIC # R09NE01051H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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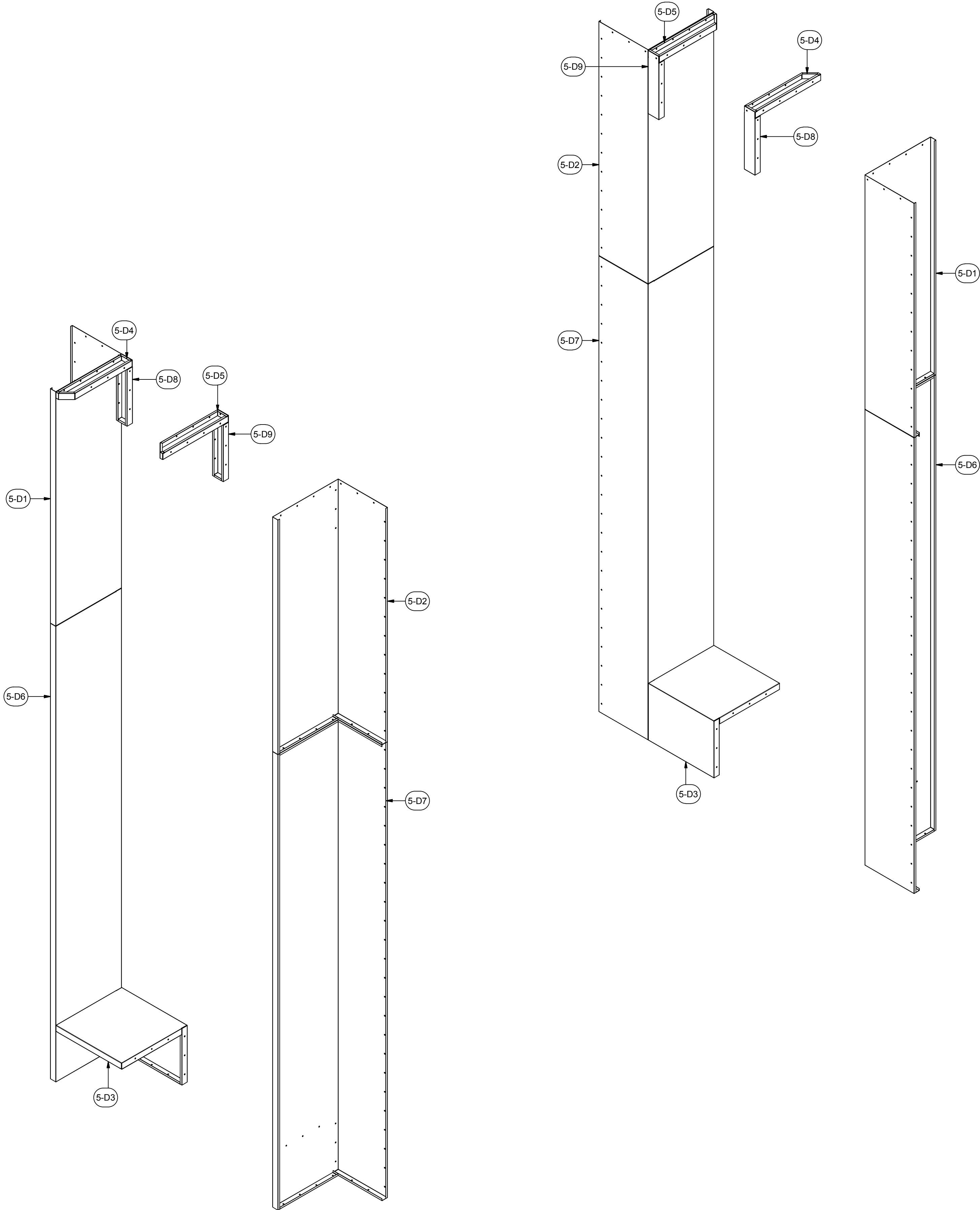
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ASSEMBLY  
DRAWING

JOB NO: R2016151  
EQUIP. NO: PBCEF-RM12000-5-18-16  
SHEET NO:





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5-D1	2	18SS-PPB-BP3-L-18-24-74-01	18 ga - SS Process Powder Booth - BP3 - Left
5-D2	2	18SS-PPB-BP3-R-18-24-74-01	18 ga - SS Process Powder Booth - BP3 - Right
5-D3	2	18SS-PPB-BP4-18-24-24-02	18 ga - SS Process Powder Booth - BP4
5-D4	2	18SS-PPB-BP4-L-4-24-45d-02	18 ga - SS Process Powder Booth - BP4 - Left
5-D5	2	18SS-PPB-BP4-R-4-24-45d-02	18 ga - SS Process Powder Booth - BP4 - Right
5-D6	2	18SS-PPB-BPC3-L-18-24-144-01	18 ga - SS Process Powder Booth - BP4 - Left
5-D7	2	18SS-PPB-BPC3-R-18-24-144-01	18 ga - SS Process Powder Booth - BP4 - Right
5-D8	2	BP3-4-22-S	18 ga Booth Panel 3-sided pan- Special
5-D9	2	BP3-4-20-02	18 ga Booth Panel 3-sided pan- Special
H2	173	142034	Hex Bolt- 1/4-20x3/4"
H3	173	857180	Hex Flange Lock Nut- 1/4-20
H8	1	999-A	Dow Corning Caulking- Clear(silicone)

A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302



ROHRER MECHANICAL, INC.  
1000 N. ROHRER RD.  
2650 N. ADDRESS RD.  
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VANCOUVER, WA 98661  
(360) 885-7641 VOICE  
(360) 885-7641 FAX  
WA LIC # R00NE01051H  
OR LIC # 135549  
CA# 792654  
WWW.ROHRER-USA.COM

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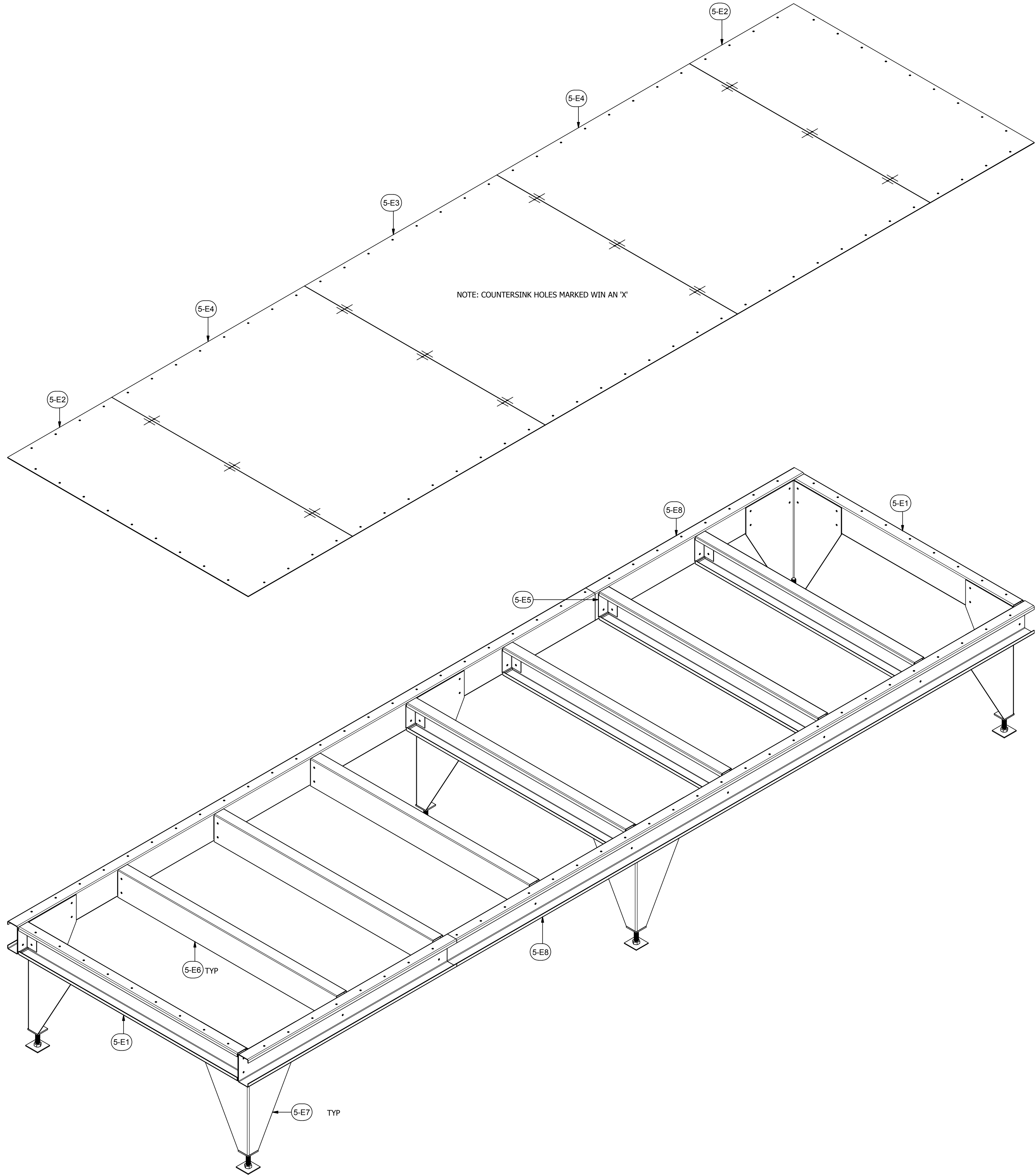
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DRAWING

JOB NO: R2016151  
EQUIP. NO:  
PBCEF-RM12000-5-18-16  
SHEET NO:





PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5-E1	2	12CC-PPB-2.5-6-54.5-02	12 ga C Channel
5-E2	2	12SS-PPB-PL-25.94-60-02	12 ga SS Plate - Process Powder Booth
5-E3	1	12SS-PPB-PL-47.88-60-01	12 ga SS Plate - Process Powder Booth
5-E4	2	12SS-PPB-PL-48-60-02	12 ga SS Plate - Process Powder Booth
5-E5	18	14A-PPB-2.4-2.4-5-01	14 ga Angle
5-E6	7	14CC-2.5-6-54.5-03	14 ga C Channel
5-E7	6	A-ACL-27-00-01	Assy - Adjustable Corner Leg - 27" Nominal
5-E8	2	A-CC-2.5-6-196-01	Assy - C Channel Weldment
H2	120	142034	Hex Bolt- 1/4-20x3/4"
H3	120	857180	Hex Flange Lock Nut, 1/4-20
H8	1	999-A	Dow Corning Caulking- Clear (silicone)

A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

ROHNER MECHANICAL, INC.  
2650 N. ROHNER RD.  
SUITE 102  
VANCOUVER, WA 98661  
(360) 885-7641 VOICE  
(360) 885-7641 FAX  
WA LIC # R09NE01051H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



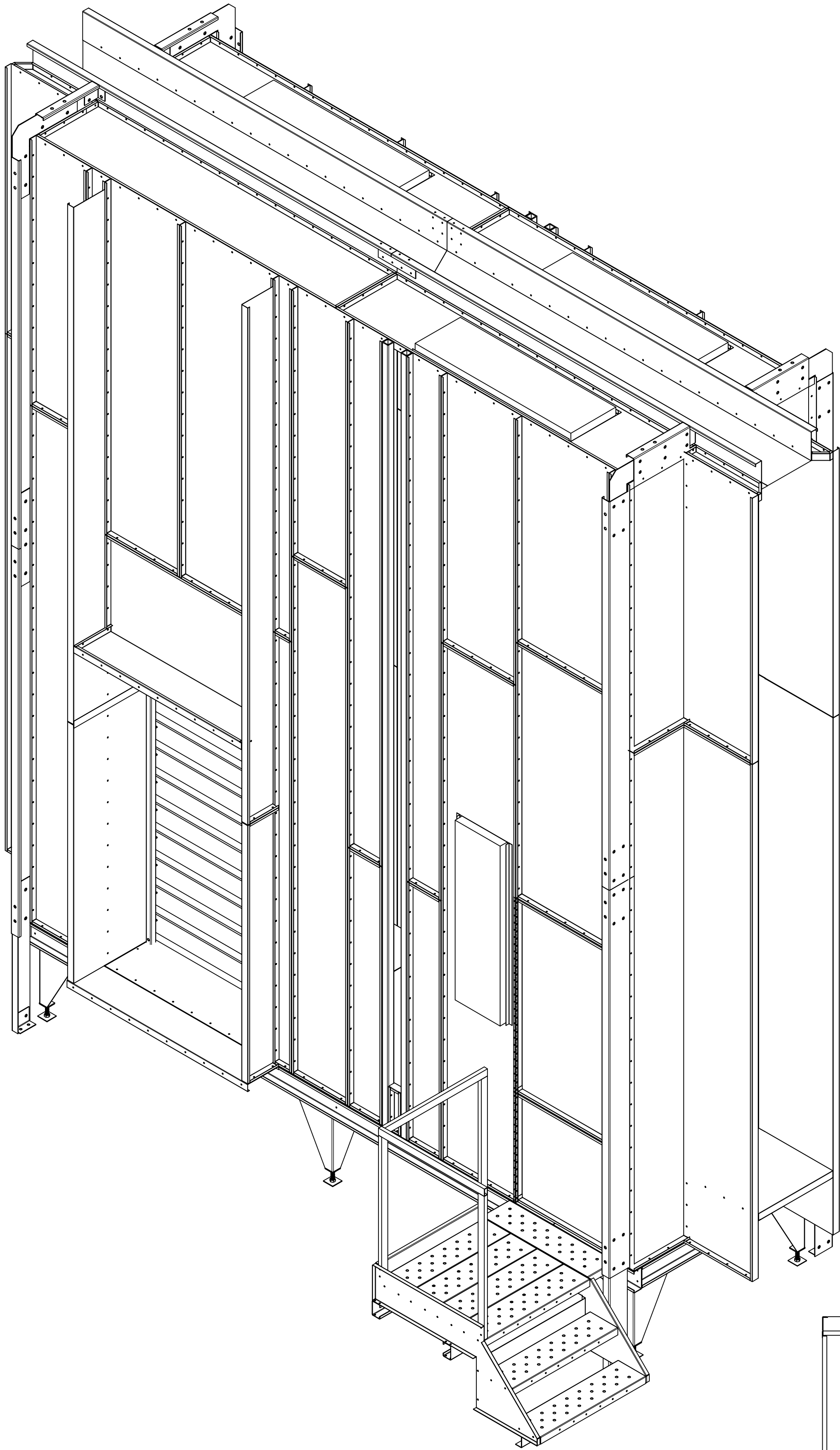
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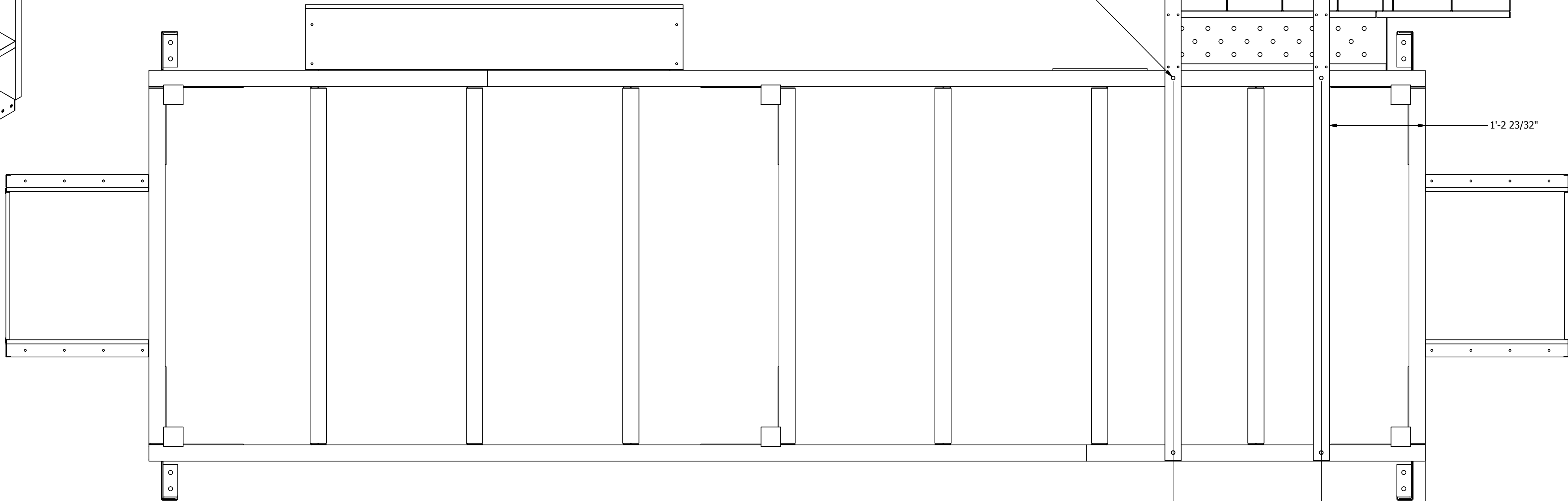
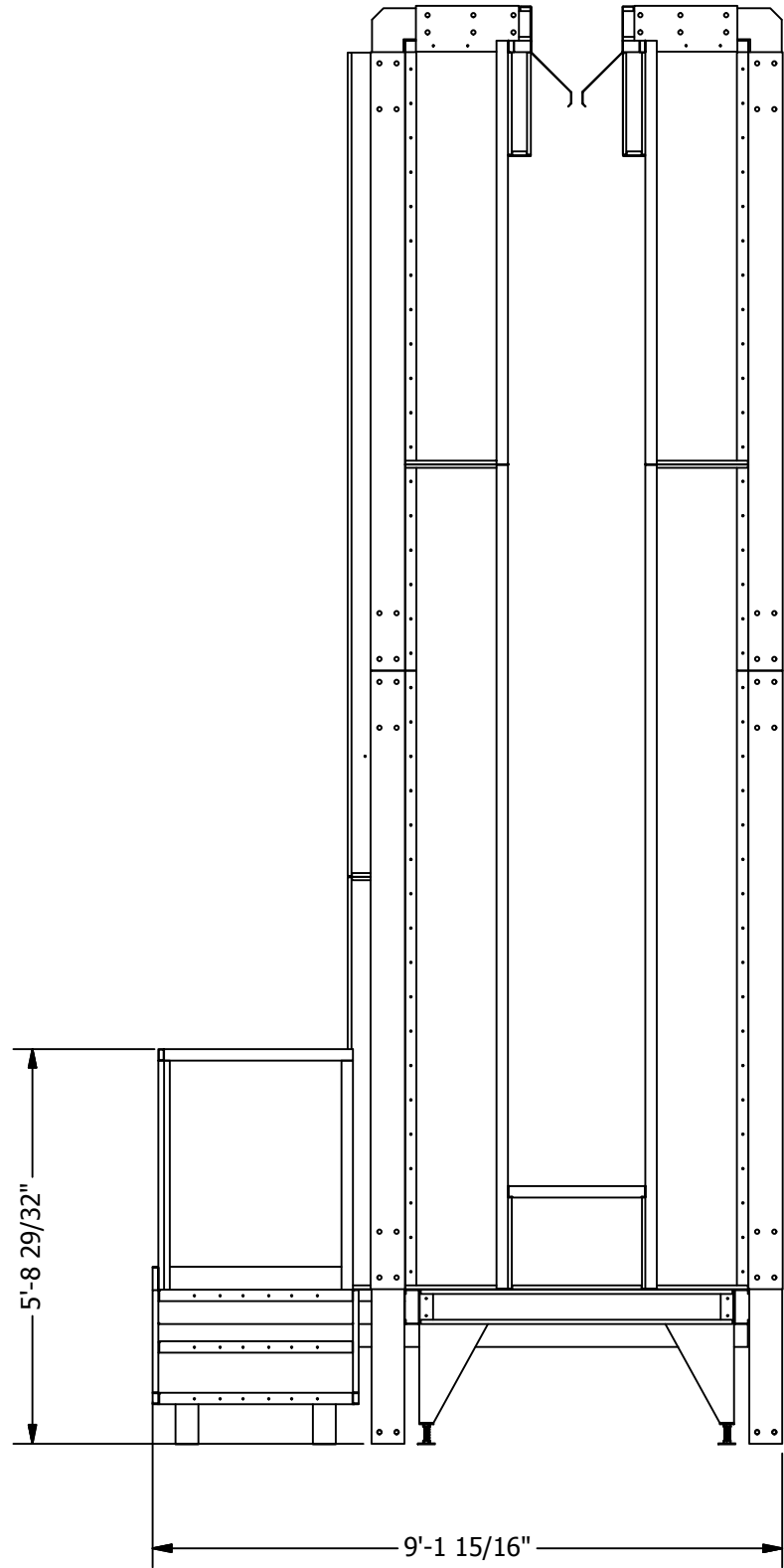
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DESCRIPTION OF CHANGE(S):  
Construction Set

DRAWING TITLE:  
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DRAWING

JOB NO: R2016151  
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PBCEF-RM12000-5-18-16  
SHEET NO:



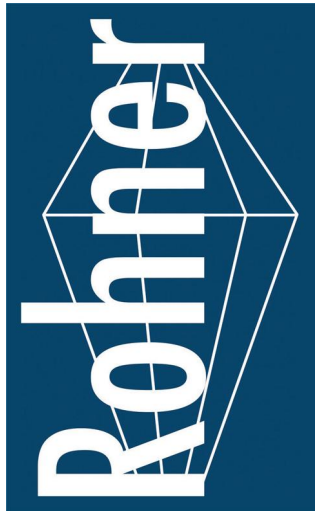
VIEW NOT AT SAME ANGLE AS  
REST OF CONSTRUCTION SET



BOTTOM VIEW

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
5-A1	4	10RIBA-4.5-4.5-04	10 ga Rib Anchor Angle	
5-A2	4	10RIBAA-2.5-8-04	10 ga Rib Anchor Angle	
5-A3	4	10RIBJ-2.5-8-90d-N	10 ga Rib Joint 90 degree corner	
5-A4	4	1-10RIBJ-2.5-8-180d-01	10 ga Rib Joint straight IP	
5-A5	2	1-10RIBJ-2.5-8-180d-S	10 ga Rib Joint straight IP	
5-A6	2	1-10RIBJ-2.5-8-180d-S-02	10 ga Rib Joint straight IP	
5-A7	8	12JC-2.5-8-108-01	12 ga J Channel	
5-A8	2	12JC-2.5-8-18-01	12 ga J Channel	
5-A9	2	12JC-2.5-8-18-02	12 ga J Channel	
H10	159	62C150HCS5Z	Hex Bolt - 5/8-11x1 1/2"	
H11	159	36114	Hex Nut - 5/8-11	

ROHNER MECHANICAL, INC.  
10000 W. JENSEN RD.  
26501  
SUITE 102  
VANCOUVER, WA 98661  
(360) 885-7641 VOICE  
(360) 885-7641 FAX  
WA LIC # R009610151  
OR LIC # 135549  
CA# 792654  
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A INDUSTRIAL PROCESS POWDER BOOTH FOR:  
**PRESCIENT**  
2125 SENATOR RALPH SCOTT PARKWAY  
MEBANE, NC 27302

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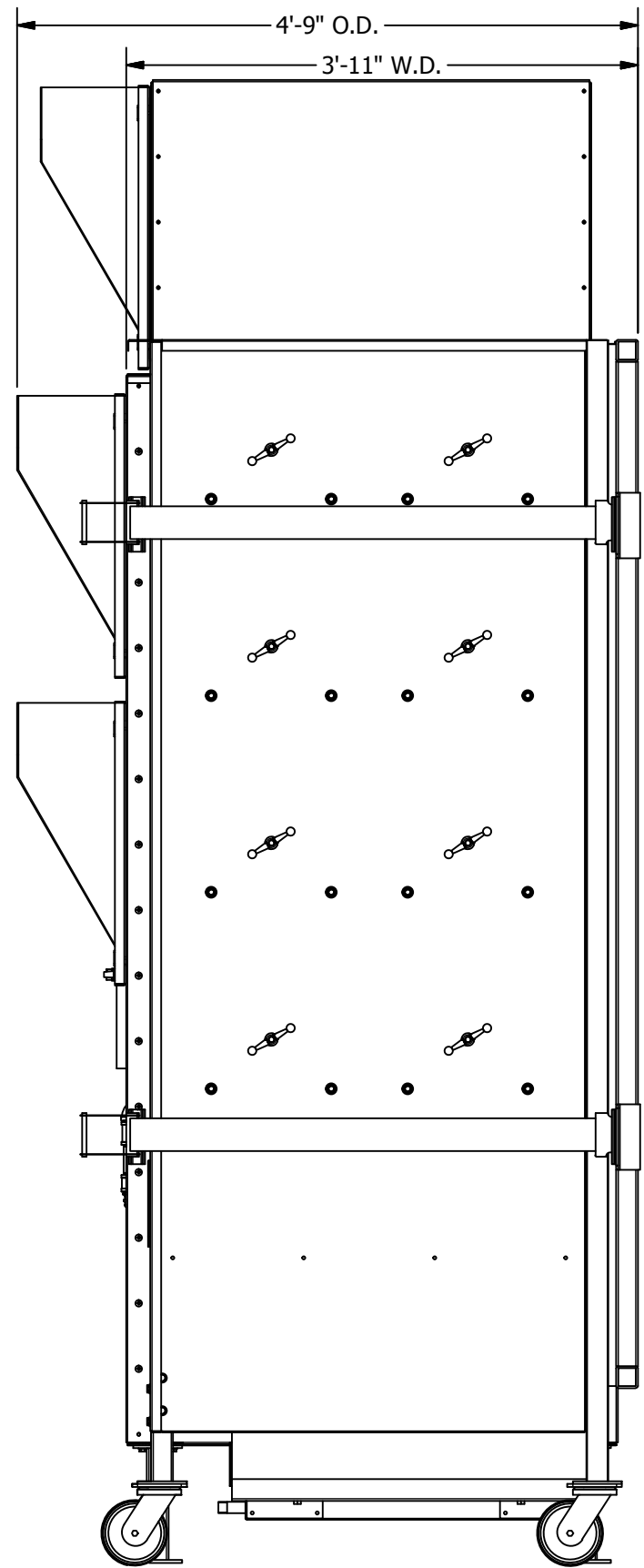
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JOB NO: R2016151  
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SHEET NO:

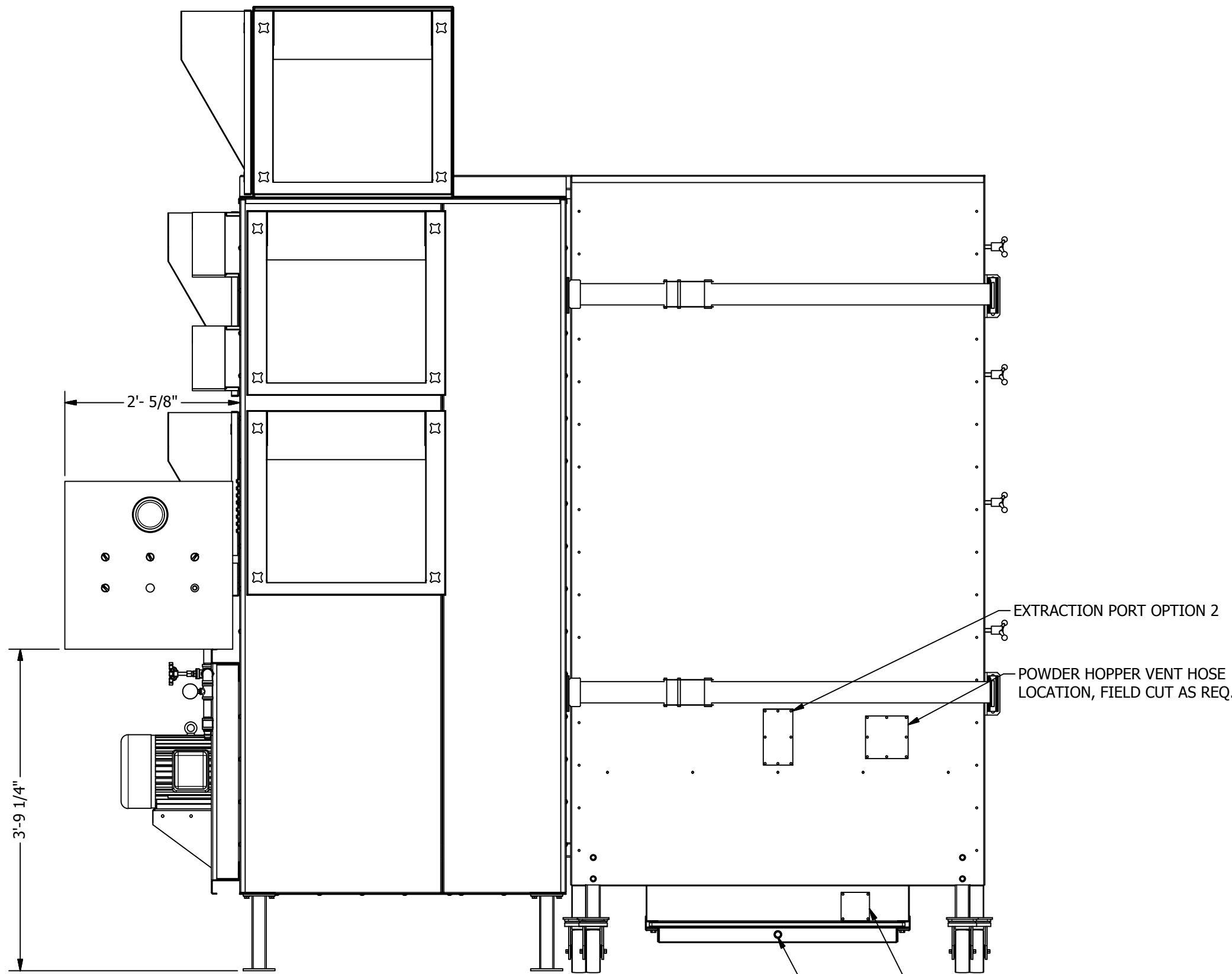




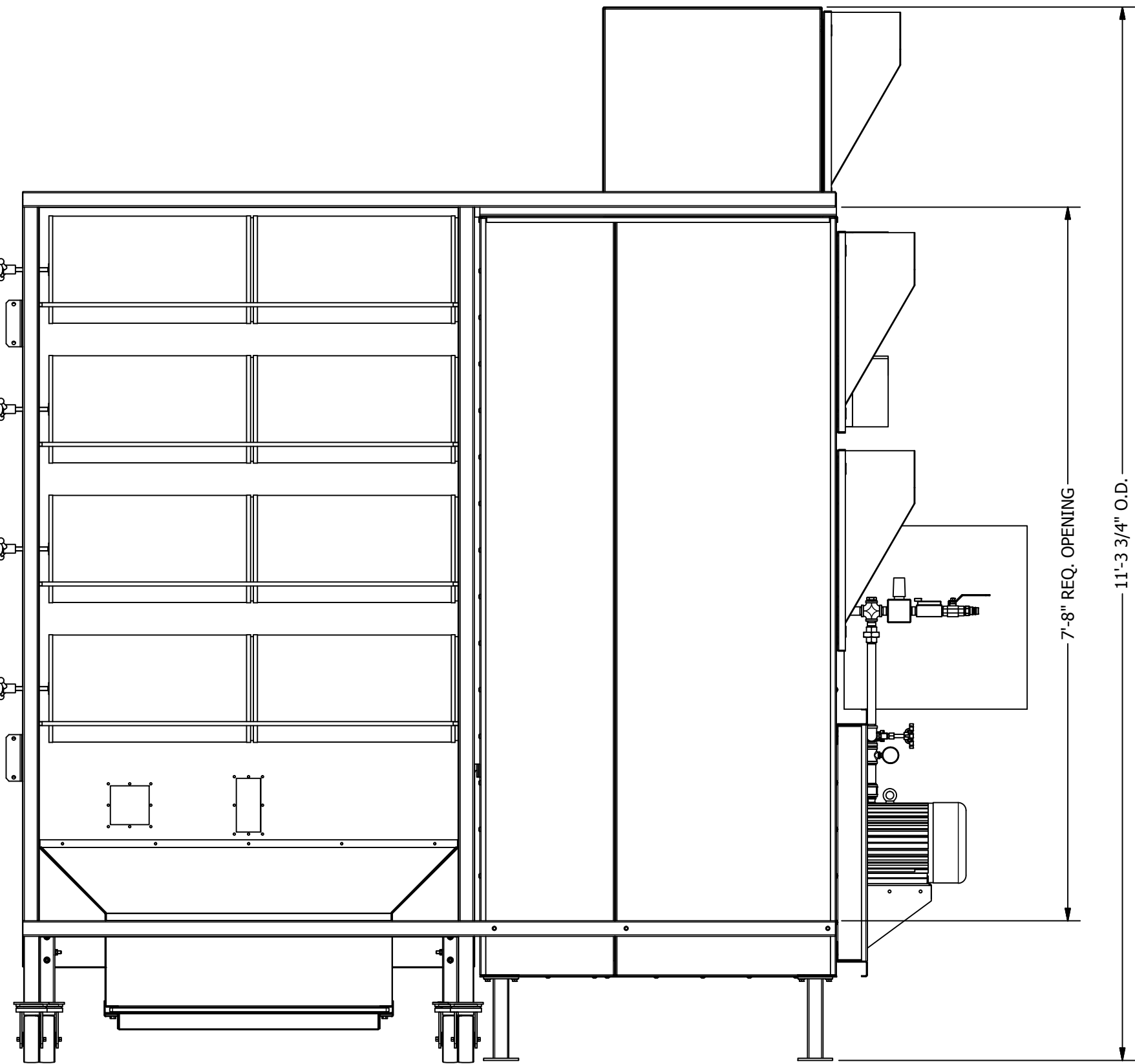




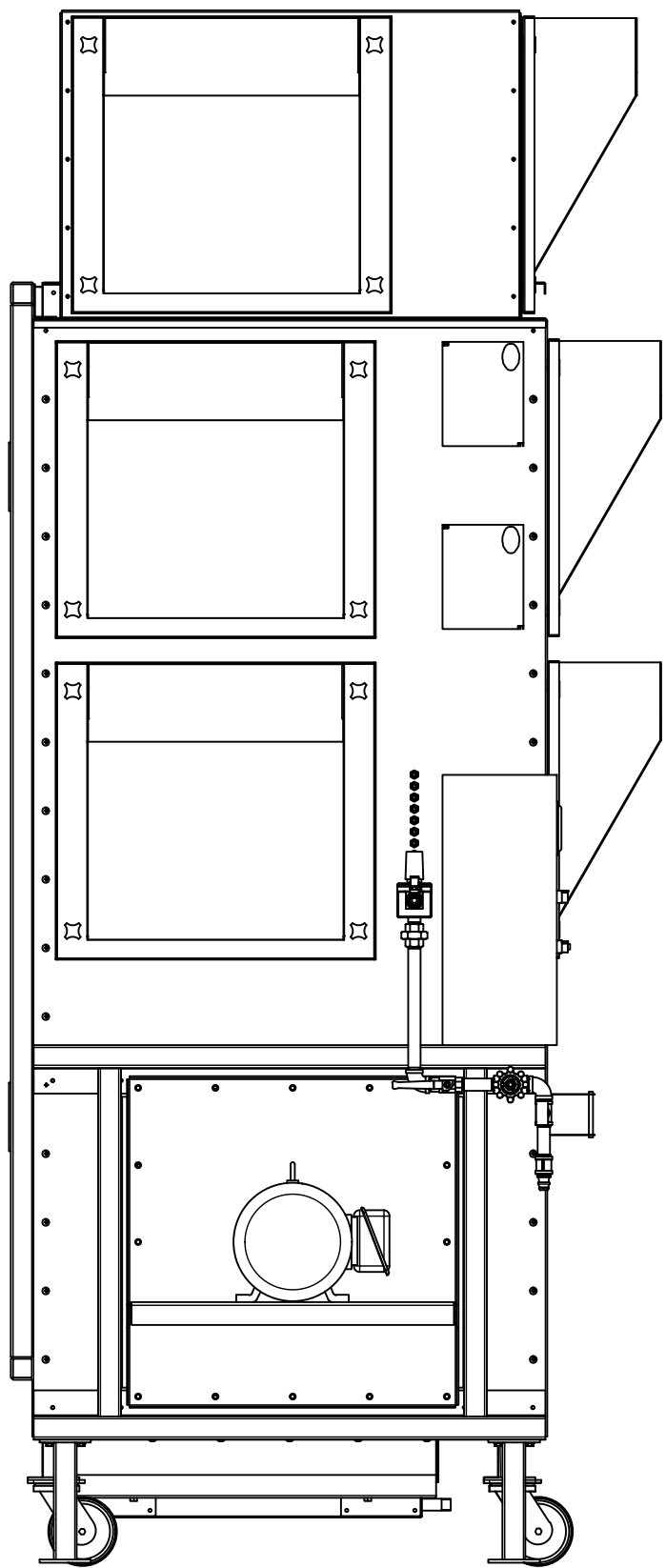
LEFT VIEW  
3/8"= 1'-0"



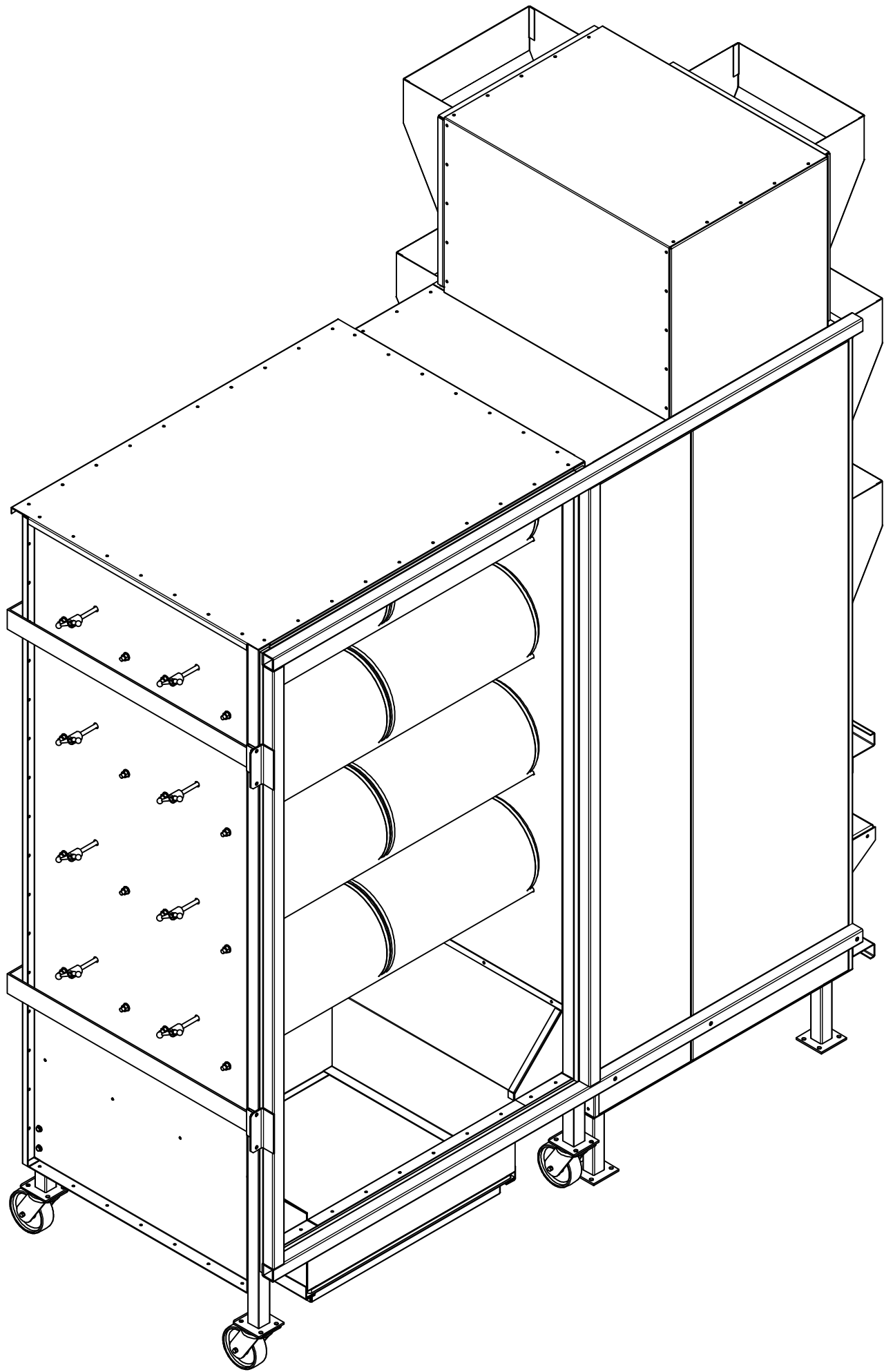
REAR VIEW  
3/4"= 1'-0"



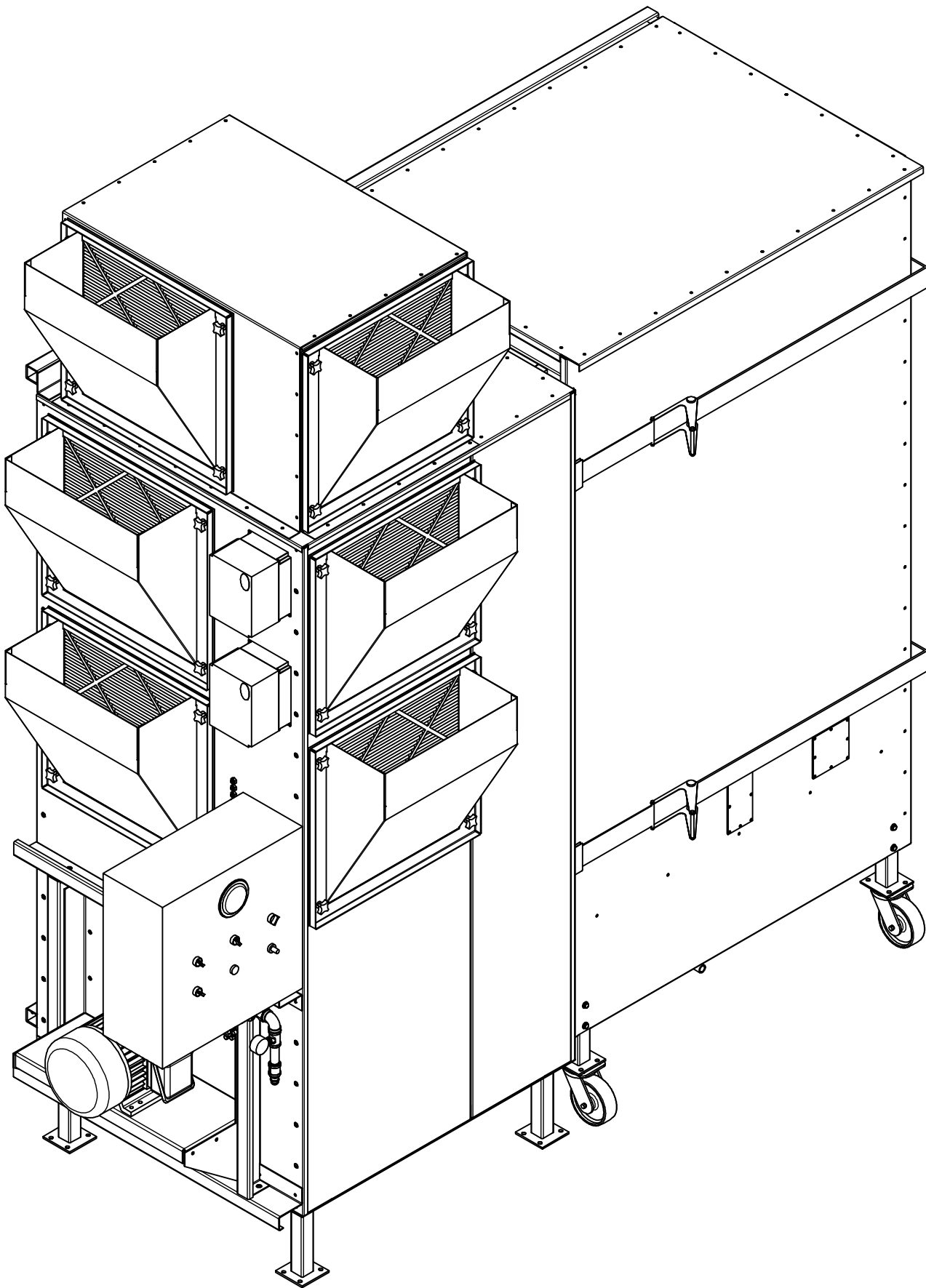
FRONT VIEW  
3/4"= 1'-0"



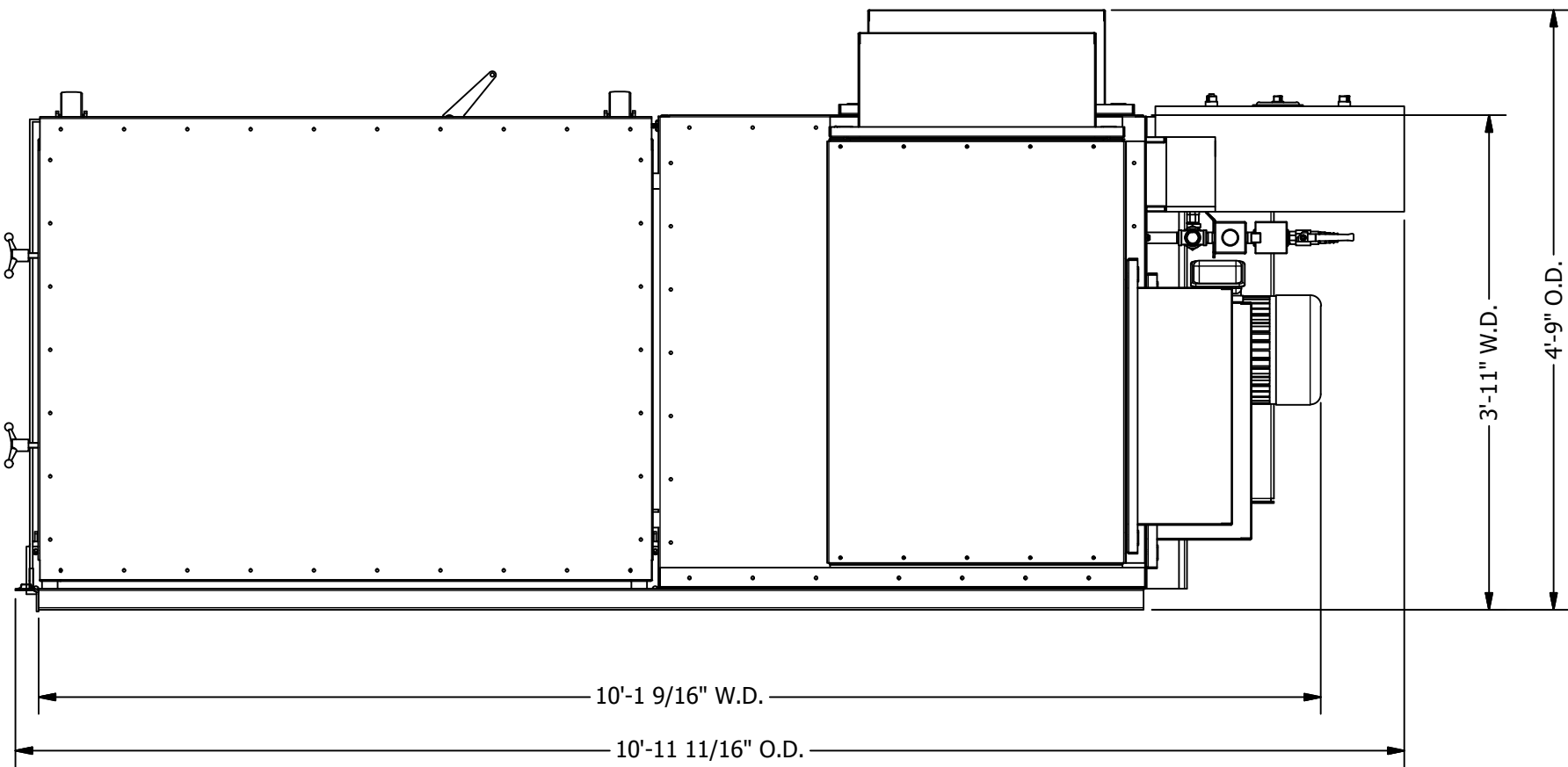
RIGHT VIEW  
3/8"= 1'-0"



ISOMETRIC VIEW  
NOT TO SCALE



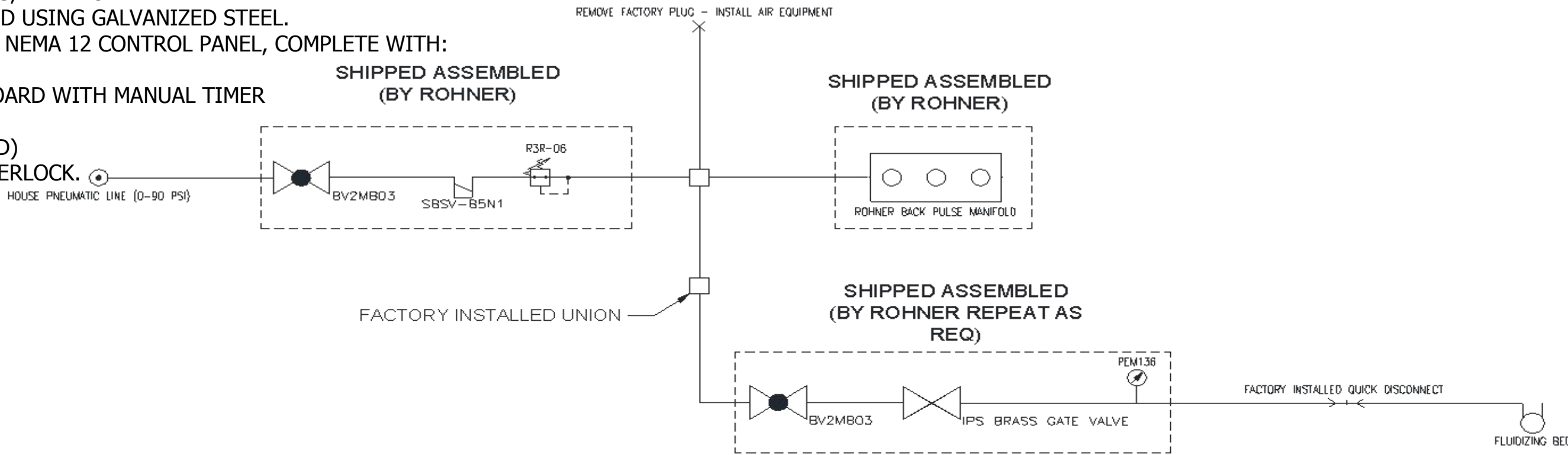
CONTROL PANEL FACTORY MOUNTED RIGHT ORIENTATION



PLAN VIEW  
3/4"= 1'-0"

**RM SERIES RECLAIM MODULES:**

- (1) EACH 24" BACKWARD INCLINED DIRECT-DRIVE FAN WITH \_\_\_\_ HP MOTOR RATED FOR UP TO \_\_\_\_ CFM @ \_\_\_\_" S.P.
- (12) CELLULOSE 14" x 26" CARTRIDGE-STYLE PRIMARY FILTERS.
- (5) EACH 24" x 24" FINAL FILTERS RATED FOR 99.9% EFFICIENCY.
- (6) BACK-PULSE CLEANING SOLENOIDS, PRE-PLUMBED AND WIRED.
- RECLAIM MODULES ARE CONSTRUCTED USING GALVANIZED STEEL.
- (1) 460V/3/60 INDUSTRIAL UL LISTED NEMA 12 CONTROL PANEL, COMPLETE WITH:
  - BLOWER MOTOR VFD
  - DIGITAL BACK-PULSE CLEANING BOARD WITH MANUAL TIMER
  - PANEL-MOUNTED MAGNEHELIC
  - LIGHTING CONTACTOR (AS NEEDED)
  - AIR SOLENOID & FIRE SYSTEM INTERLOCK.



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D. J. ROHNER  
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VANCOUVER, WA 98661  
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(360) 885-7641 FAX  
WA LIC # ROHNER01051H  
OR LIC # 135549  
CA# 792654  
WWW.ROHNER-USA.COM



RECLAIM MODULE - RM12 LEFT HOUSING:  
**ROHNER**  
2650 NE ANDRESEN ROAD SUITE 102  
VANCOUVER, WA 98661

DRAWN BY: HGS  
CHECKED BY: DGR

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ISSUED DATE: 1/5/17  
REV: 16.1 - 1/7/17  
DESCRIPTION OF CHANGES:  
INITIAL RELEASE

DRAWING TITLE:  
FLOOR PLANS/  
ELEVATIONS/  
SECTIONS

JOB NO:

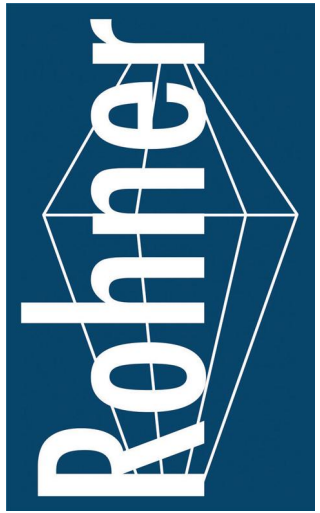
EQUIP. NO:  
RM12 LEFT HOUSING  
SHEET NO:

**RM1**



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
RM-1	1	A-RM-12000-Left-M-16.1	Assy - Reclaim Module 12000 Mechanical Unit
RM-2	1	A-RM-12000-Left-R-16.1	Assy - Reclaim Module 12000 Rollaway unit
RM-3	1	A-RM-12000-TCF-104-92-02	Assy - Reclaim Module Tunnel Connection Frame
RM-4	8	DCCF-14d-26-OC-02	Dust Collector Cartridge Filter- 12"dx26"- Open/Closed
RM-5	8	DCCF-14d-26-OO-02	Dust Collector Cartridge Filter- 12"dx26"- Open/Closed

ROHNER MECHANICAL, INC.  
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WA LIC # ROHNER010151H  
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RECLAIM MODULE - RM12 LEFT HOUSING:  
**ROHNER**  
2650 NE ANDRESEN ROAD SUITE 102  
VANCOUVER, WA 98661

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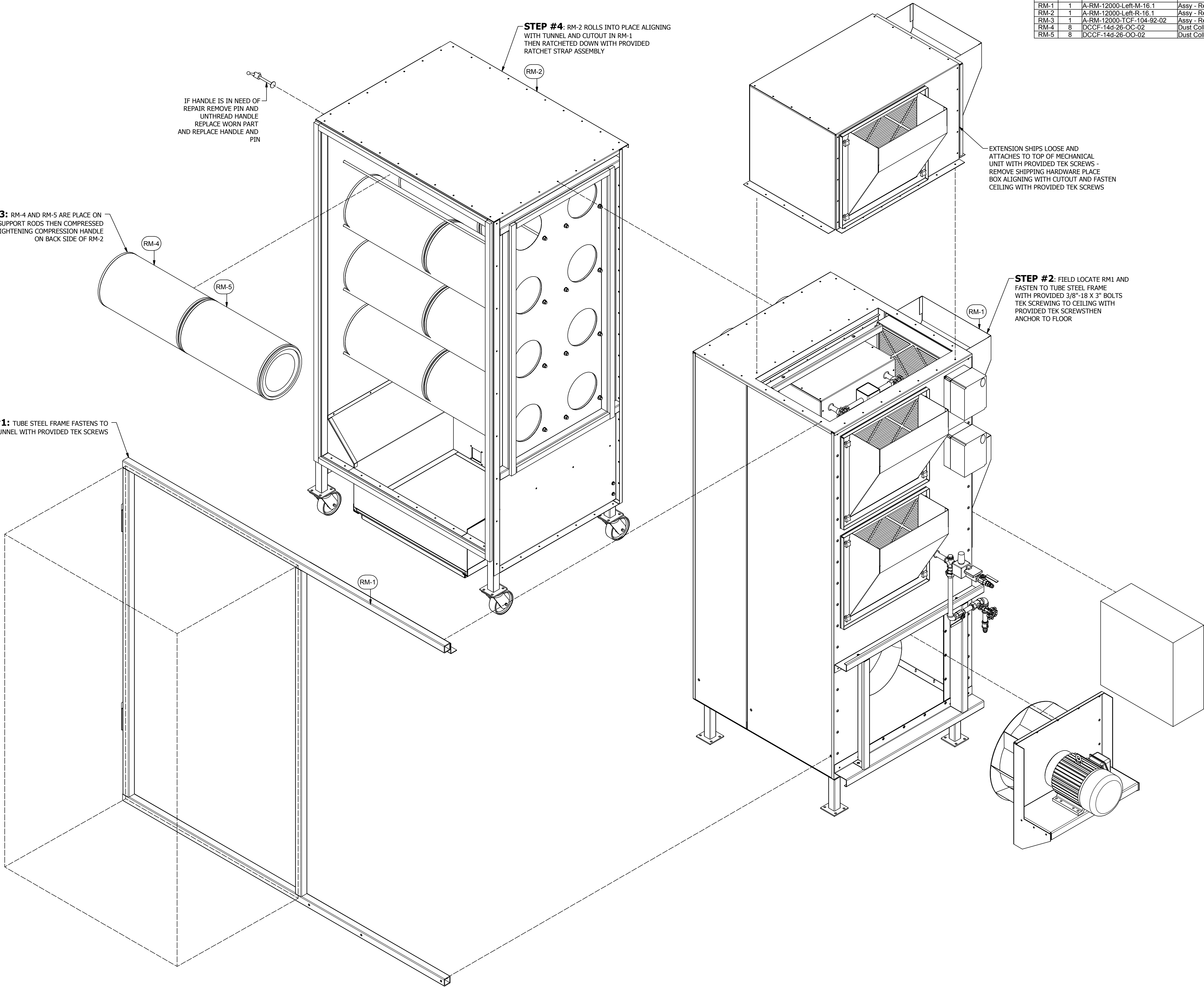
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EXPLODED  
ISOMETRIC  
ASSEMBLY  
DRAWING

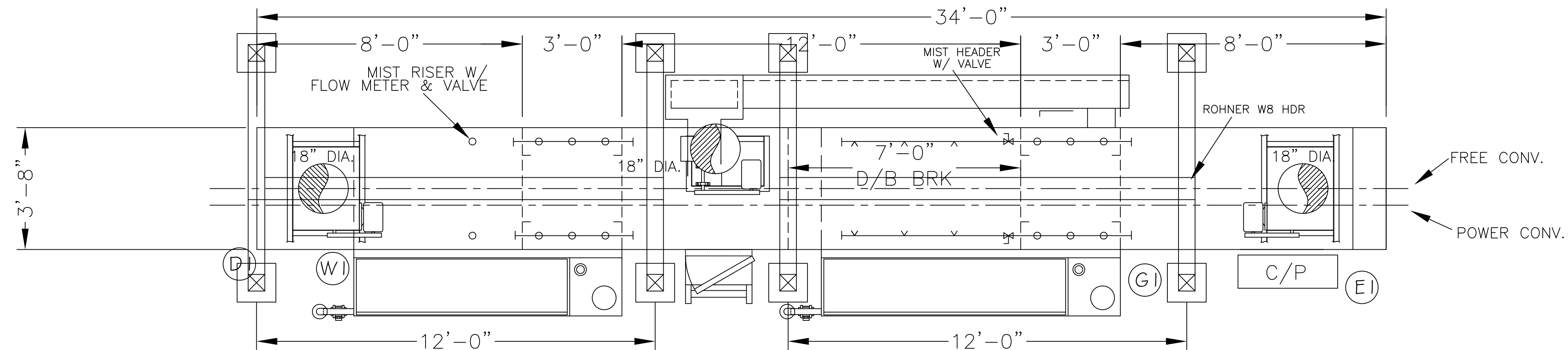
JOB NO:

EQUIP. NO:  
RM12 LEFT HOUSING  
SHEET NO:

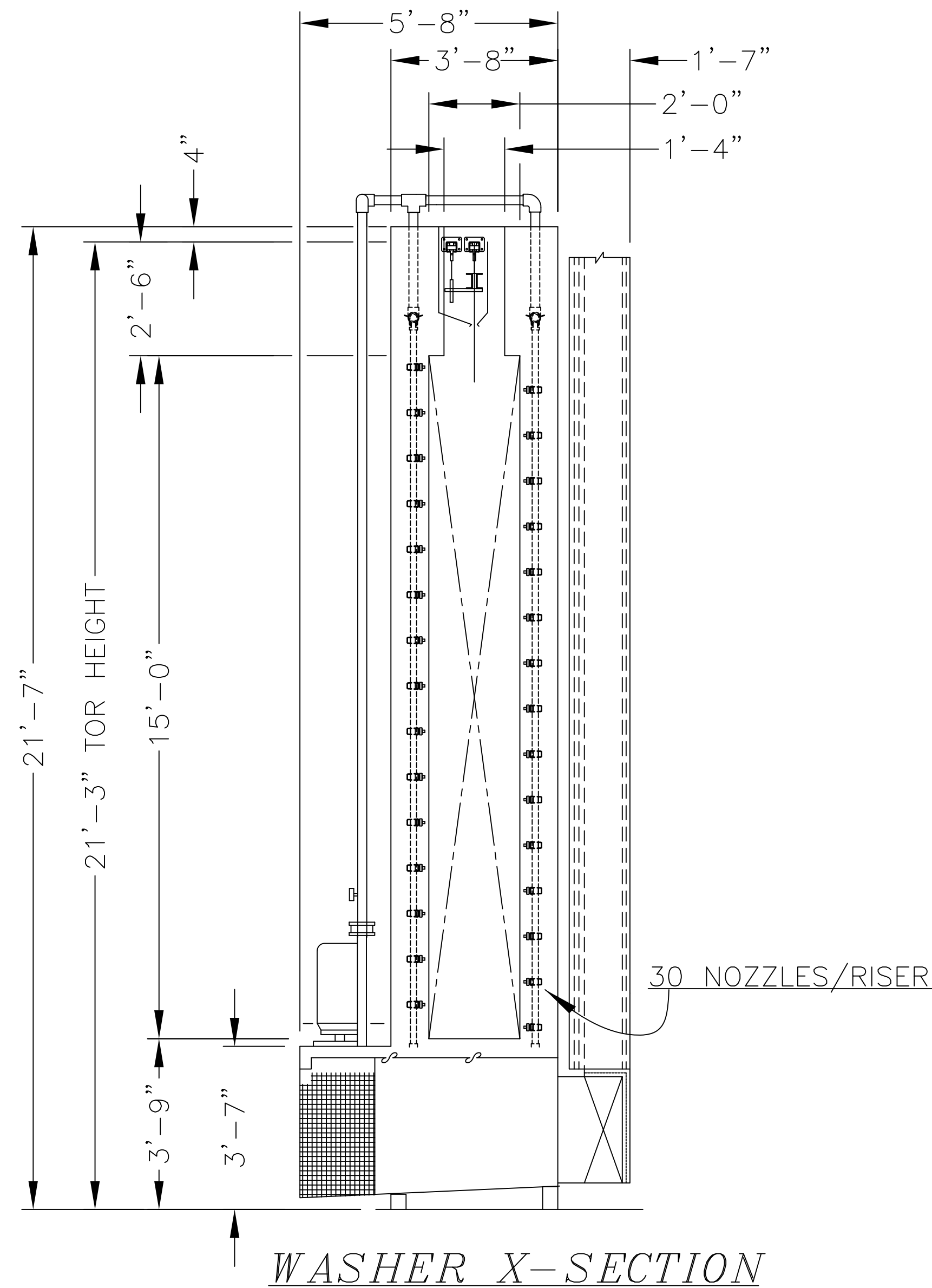
RM3







## PLAN



## Specifications:

### PRETREATMENT SYSTEM – 2 STAGE @ 1.5 FPM DESIGN SPEED

Stage 1 – Clean/Phos. 810 gal Net Capacity 90sec 140°F max.  
 1 – 7½hp Cast Iron Spray Pump 270 gpm ea. @ 60' wc  
 1 – 240TAH Air Heat Burner w/ .33hp Blower  
 Heat Exchanger Construction – 12ga 304SS  
 Exhaust Fan – 1121cfm – 2 hp  
 Automatic Back flow Make-up from Stage 2  
 5'L Mist Header Extensions (3 nozzles/side – low flow) w/ valves  
 Manual Fresh Fill

Stage 2 – Rinse 810 gal Net Capacity 90sec Ambient  
 1 – 7½hp Cast Iron Spray Pump 270 gpm ea. @ 60' wc  
 Exit Mist Riser w/ Flow Meter & manual valve – 8 ea .3 gpm nozzles  
 Manual Fresh Water Fill (& make-up if mist header set too low)

### General

Tank Construction – ¼" HRS Plate  
 Drain boards – 12ga HRS  
 Catwalks – 12ga 304 SS  
 Sump Covers – 12ga 304 SS  
 2 Vent Fans – 4300cfm ea. – 3hp  
 Pressure Gauges and Flow Control Valves on All Pumps  
 All Spray Risers – 30 nozzles – Side/Side  
 Insurance Standard – FM

## UTILITY LEGEND

- (G) WASHER GAS - 2400 CFH NAT. GAS @ 2 TO 7 PSI
- (E) WASHER ELECTRIC - 50 AMPS 480V / 3PH / 60 HZ
- (D) GRAVITY DRAIN TO SEWER - BY CUSTOMER
- (W) CITY WATER SUPPLY @ PLANT PRESSURE - 1.5" DIA.