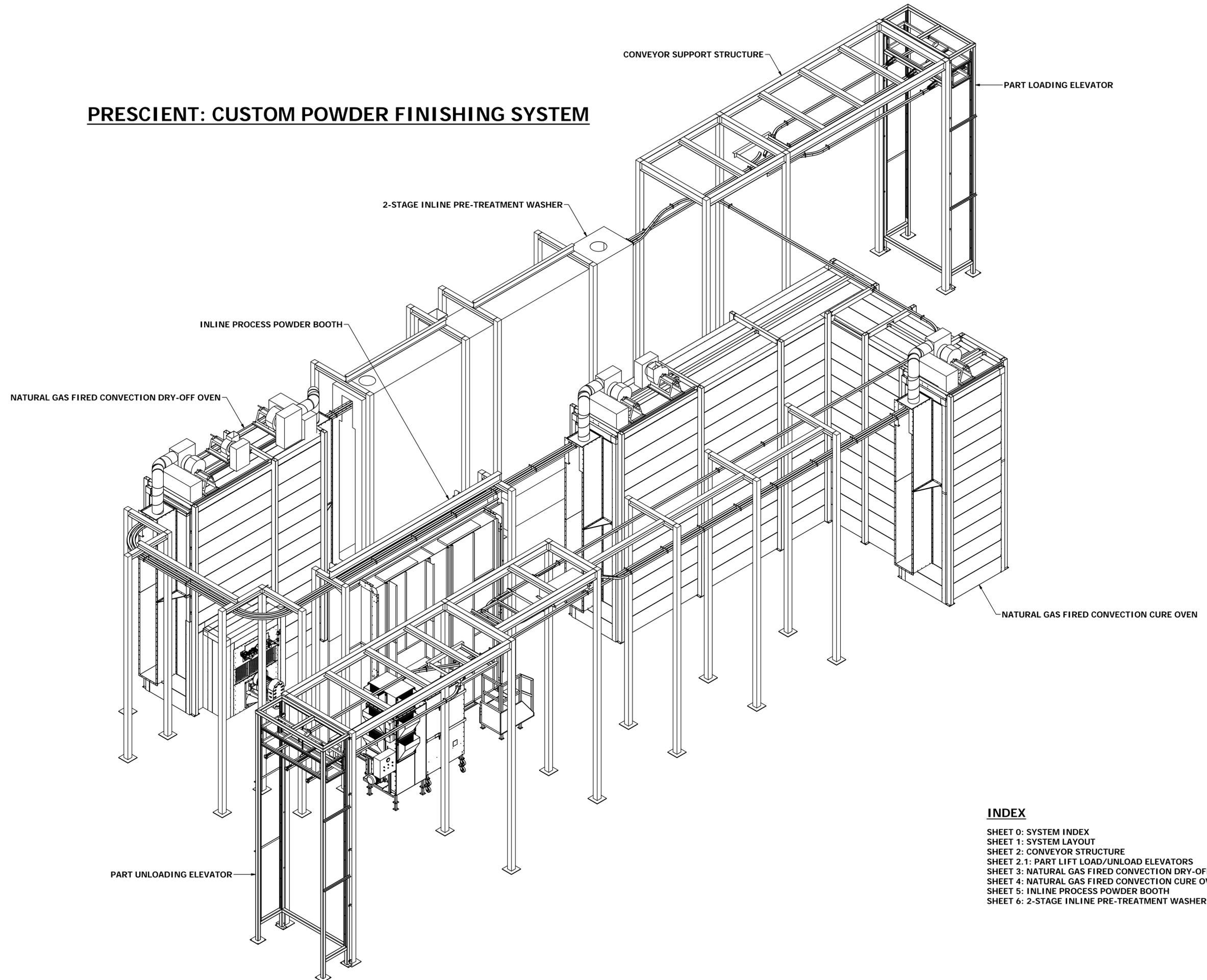


PRESCIENT: CUSTOM POWDER FINISHING SYSTEM



ROHNER MECHANICAL, INC.
 2650 W. ANDERSON RD.
 SUITE 102
 WACO, WA 98661
 (360) 885-7411 VOICE
 WA LIC # R098100151H
 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:

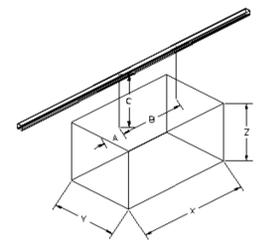
INDEX

- 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

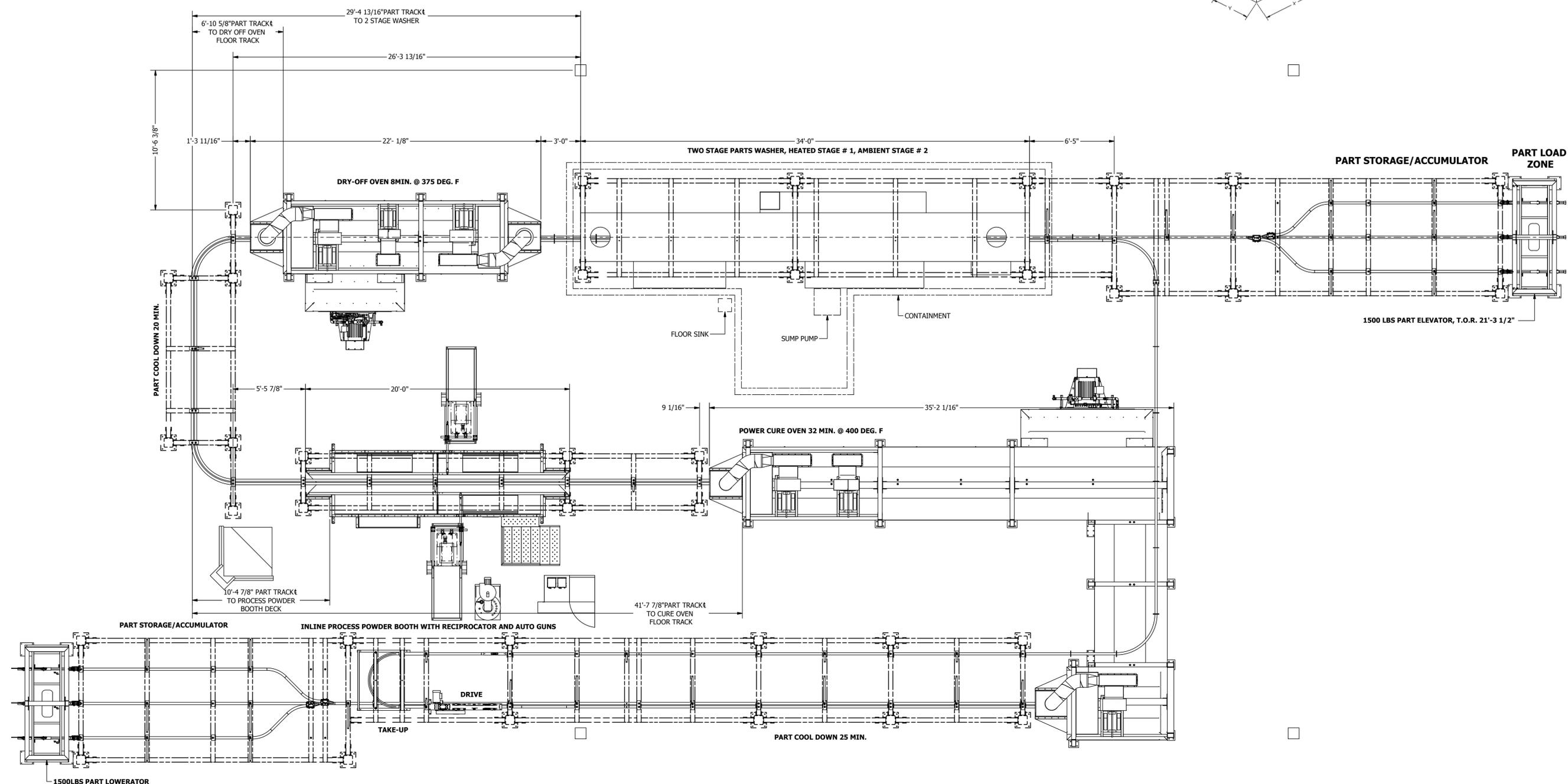
ROHNER CUSTOM POWDER PRIME LINE

- (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.



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	108	Part height



APPROVED FOR CONSTRUCTION

SYSTEM LAYOUT
NOT TO SCALE

ROHNER MECHANICAL, INC.
1000 W. PARKWAY
2650 W. ANDRESSER RD.
SUITE 102
WACO, WA 98661
(360) 885-7641 VOICE
WA LIC # R009610015H
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

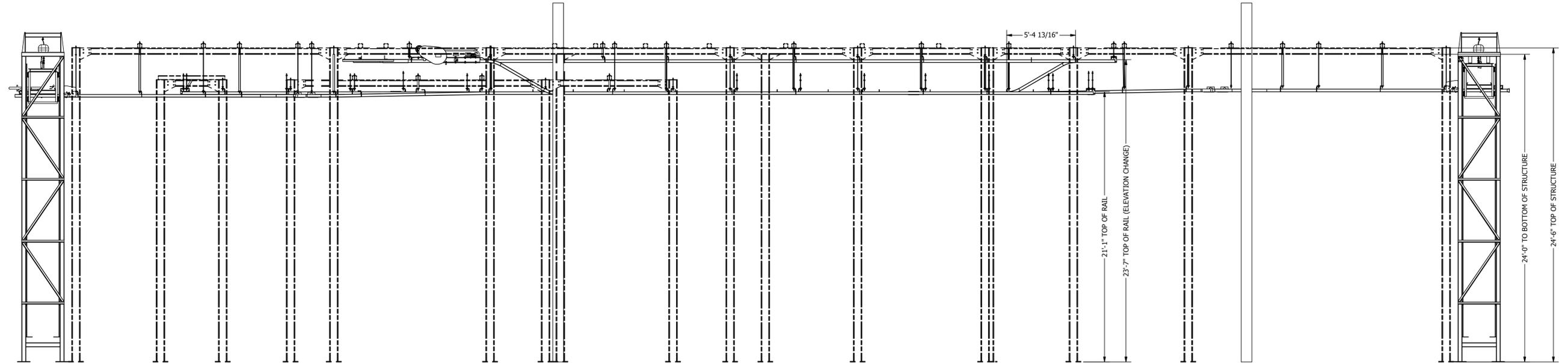
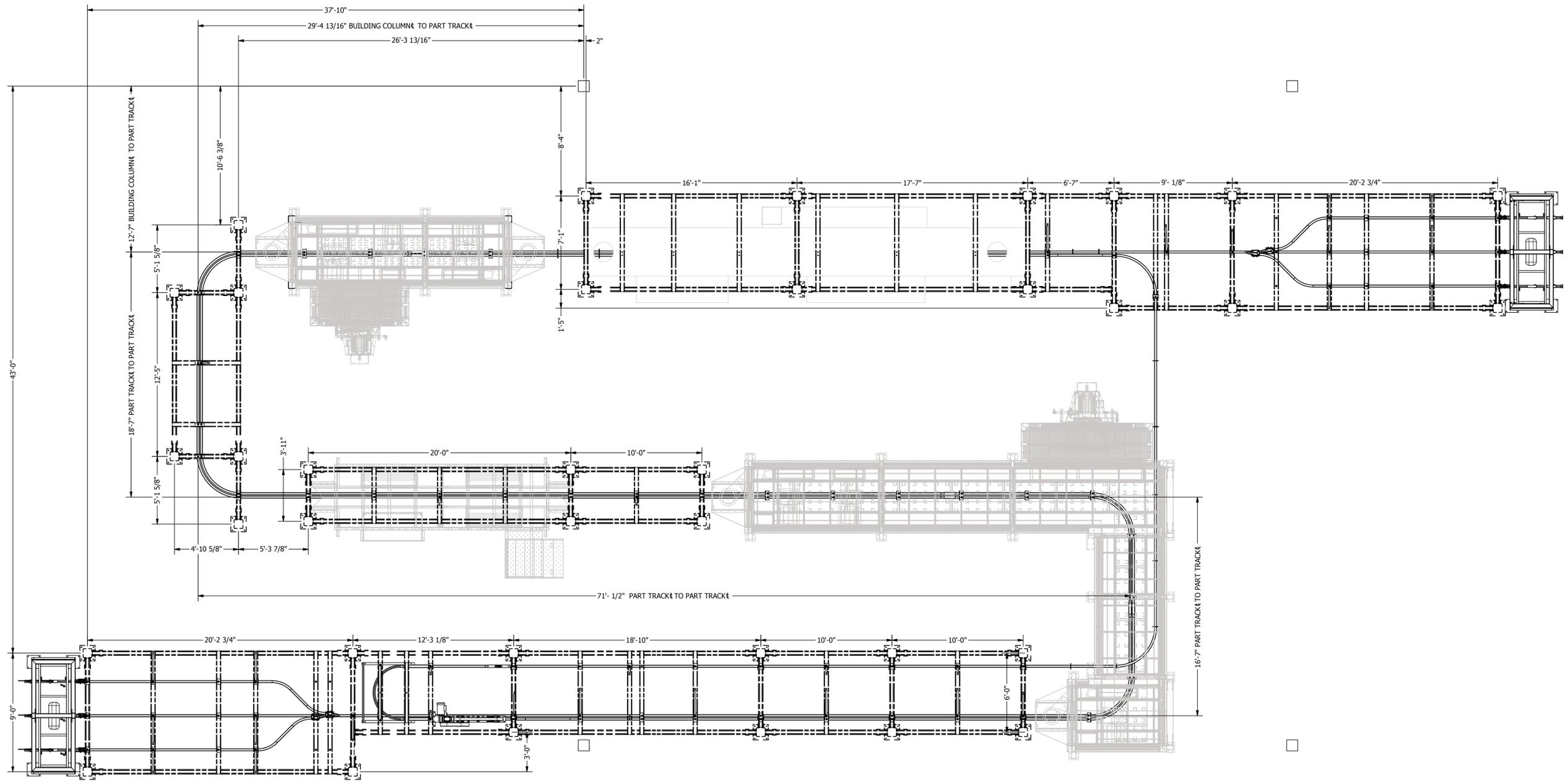
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ISSUED DATE: 10-7-2016
REV: 16.2 / 12-12-2016
DESCRIPTION OF CHANGE(S):
UPDATED PER RICHARDS-WILCOX CONVEYOR TRACK

DRAWING TITLE:
SYSTEM LAYOUT
ISOMETRIC
DRAWING

JOB NO:
R2016151
EQUIP. NO:
SYSTEM LAYOUT

SHEET NO:



ROHNER MECHANICAL, INC.
 1000 W. WILKINSON RD.
 26500 W. ADDRESS RD.
 SUITE 102
 WAKOEVER, WA 98661
 (360) 885-7641 VOICE
 (360) 885-7641 FAX
 WA LIC # R009610151H
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM



A INDUSTRIAL CONVEYORIZED POWDER SYSTEM FOR:
PRESCIENT
 2125 SENATOR RALPH SCOTT PARKWAY
 MEBANE, NC 27302

DRAWN BY: HGS
 CHECKED BY: DGR

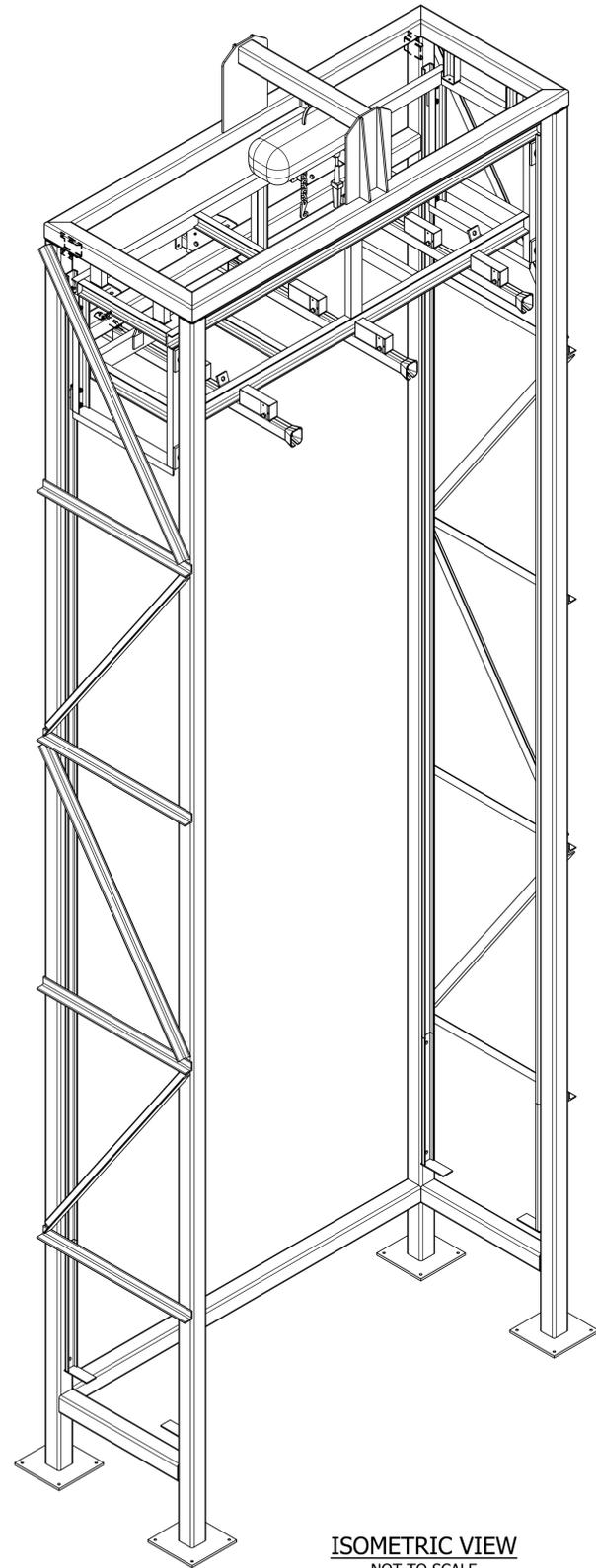
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ISSUED DATE: 3/24/17
 REV: 17.1 - 3/24/17
 DESCRIPTION OF CHANGE(S): CONSTRUCTION SET

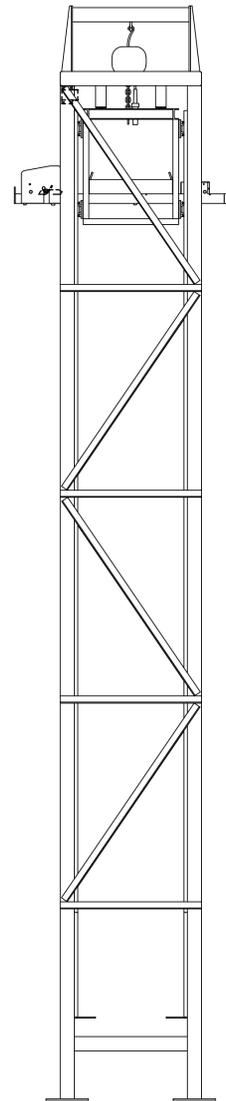
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 R2016151
 EQUIP. NO:
 Conveyor and Structure

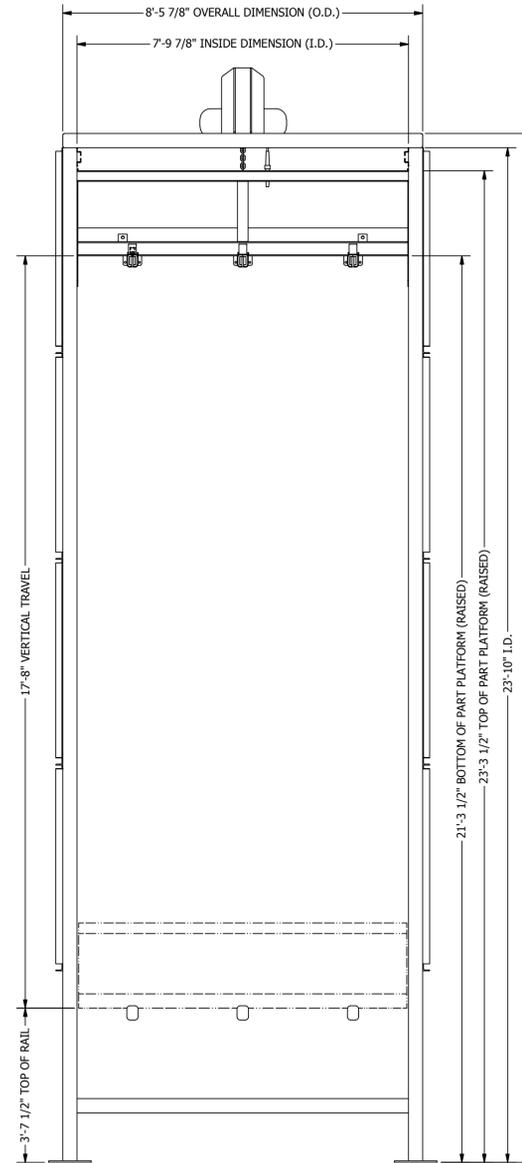
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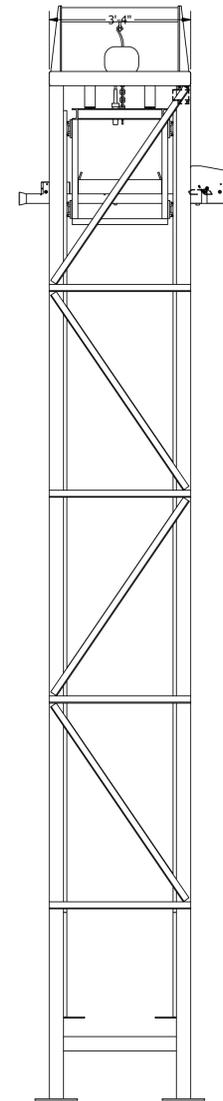
ISOMETRIC VIEW
NOT TO SCALE



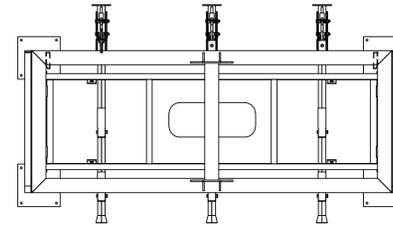
LEFT VIEW
1/2" = 1'-0"



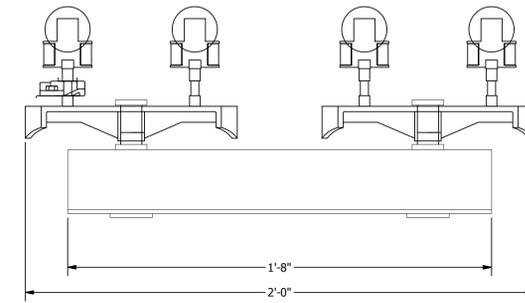
REAR VIEW
1/2" = 1'-0"



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



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



LOAD BAR DETAIL
DO NOT SCALE

GENERAL NOTES:

1. (2) PART LIFT/LOWER ELEVATOR ASSEMBLIES RATED @ 3X 500 LBS EACH.
2. (100) LOAD BAR ASSEMBLIES RATED @ 500 LBS EACH.
3. (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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ISSUED DATE: 10-7-2016

REV: 16.0 / 10-7-2016

DESCRIPTION OF CHANGE(S):
APPROVAL DRAWING
INITIAL RELEASE

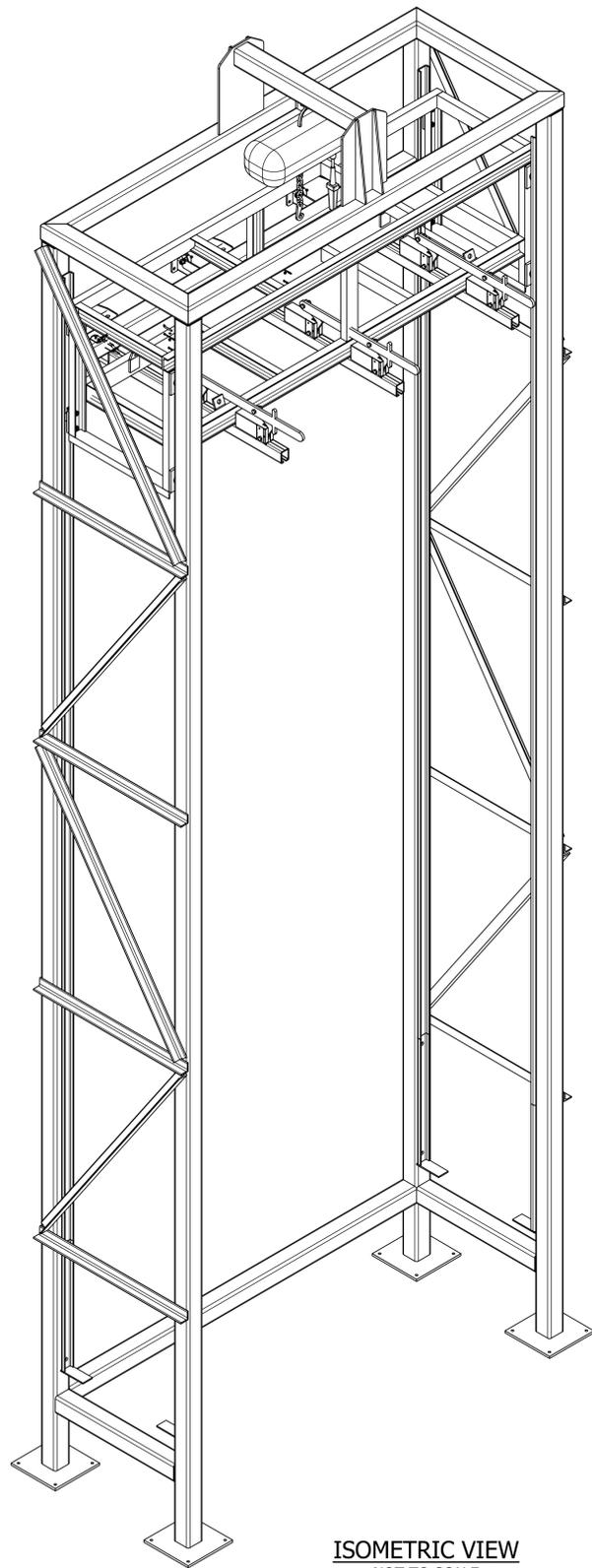
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1 TON PART
LIFT ELEVATOR
ISOMETRIC
DRAWING

JOB NO:
R2016151

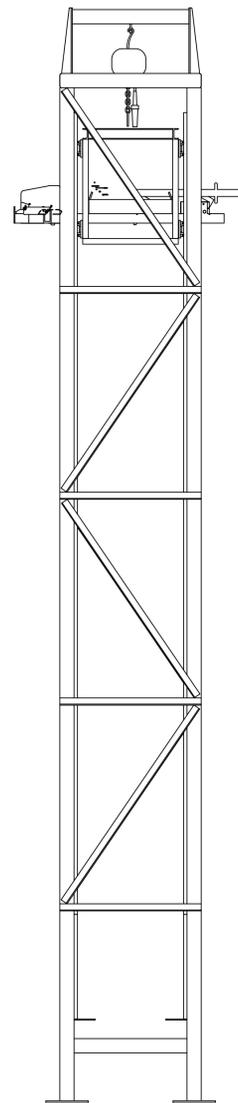
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1 TON PART LIFT ELEVATOR

SHEET NO:

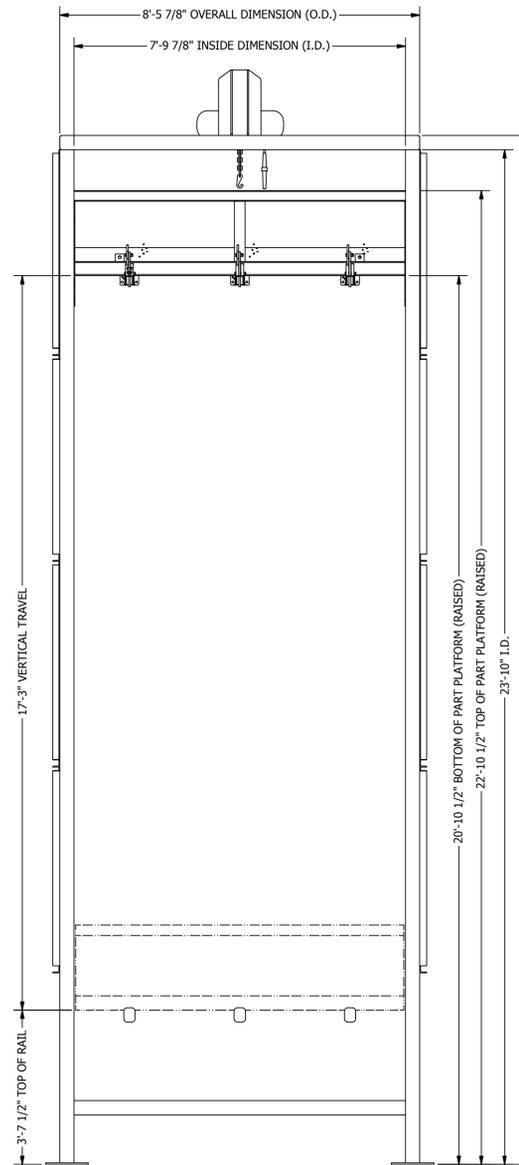
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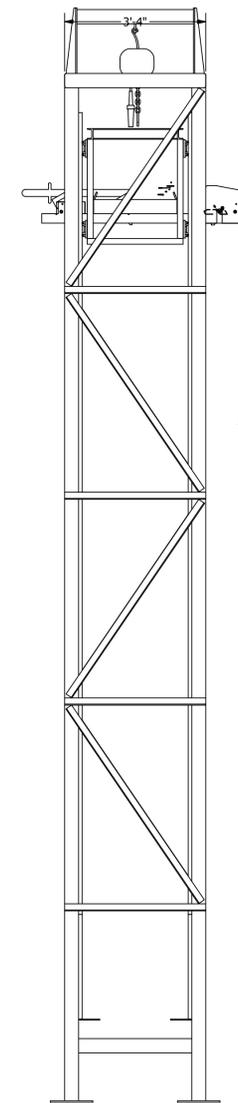
ISOMETRIC VIEW
NOT TO SCALE



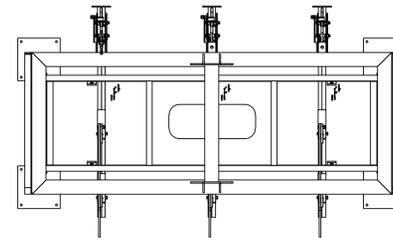
LEFT VIEW
1/2" = 1'-0"



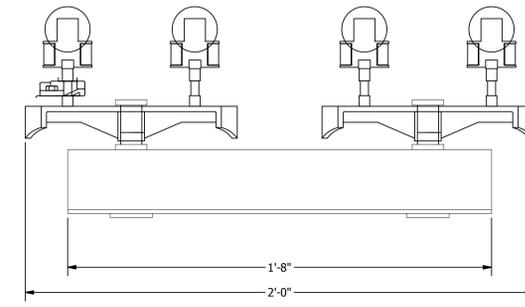
REAR VIEW
1/2" = 1'-0"



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



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



LOAD BAR DETAIL
DO NOT SCALE

GENERAL NOTES:

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 - 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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ISSUED DATE: 10-7-2016

REV: 16.0 / 10-7-2016

DESCRIPTION OF CHANGE(S):
APPROVAL DRAWING
INITIAL RELEASE

DRAWING TITLE:
1 TON PART
LIFT ELEVATOR

ISOMETRIC
DRAWING

JOB NO:
R2016151

EQUIP. NO:
1 TON PART LIFT ELEVATOR

SHEET NO:

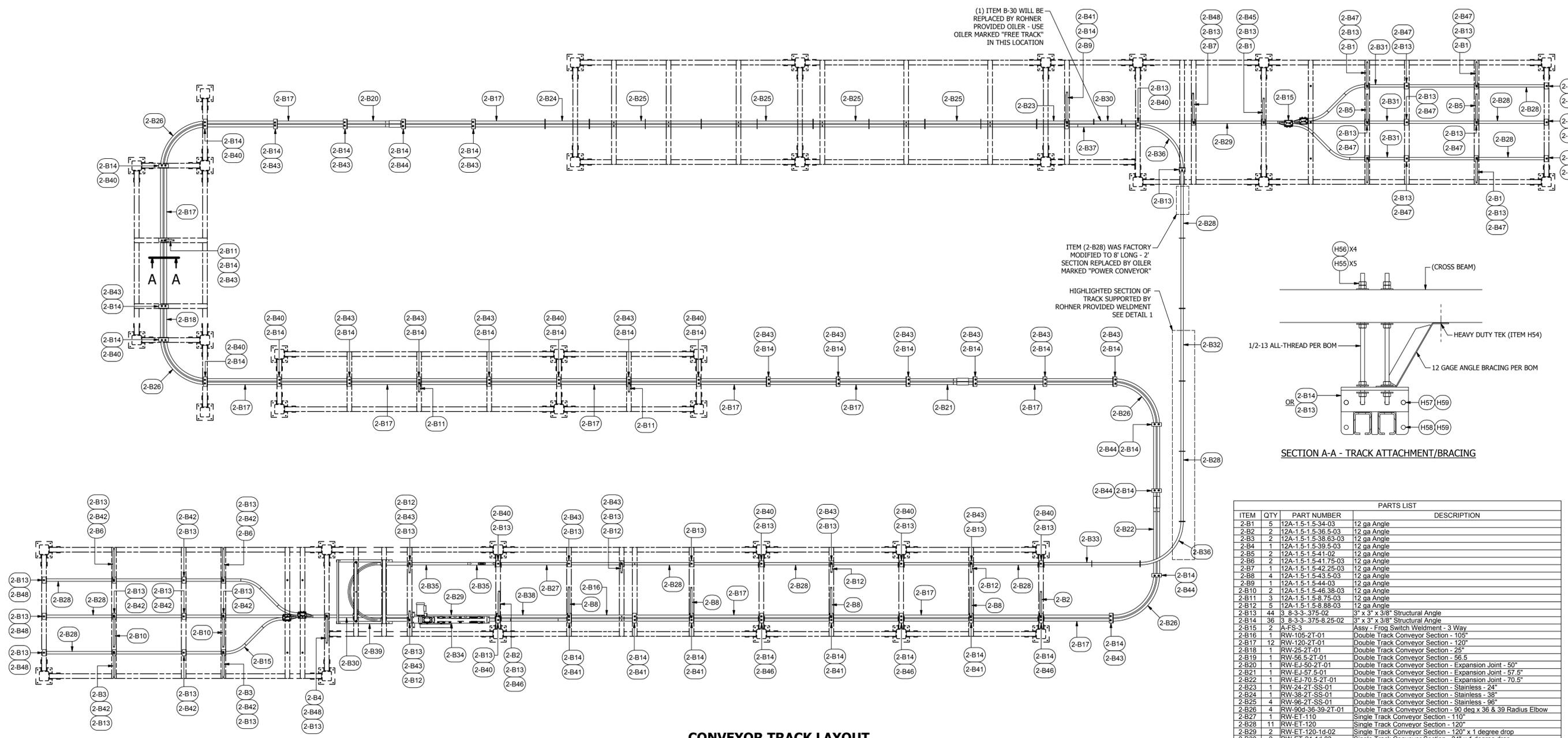
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ROHNER MECHANICAL, INC.
1000 W. WILSON BLVD.
2650 W. ANDRESSER RD.
SUITE 102
WACO, WA 98661
(360) 885-7641 VOICE
W.A. L.C. # R01NE010151
OR. L.C. # 135549
CA# 792654
WWW.ROHNER-USA.COM

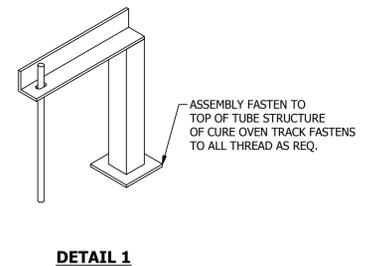
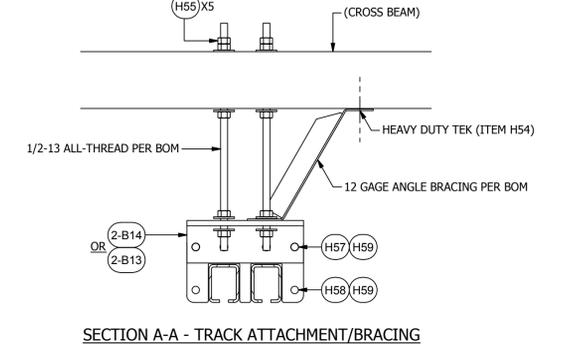




A INDUSTRIAL CONVEYORIZED POWDER SYSTEM FOR:
PRESCIENT
 2125 SENATOR RALPH SCOTT PARKWAY
 MEBANE, NC 27302

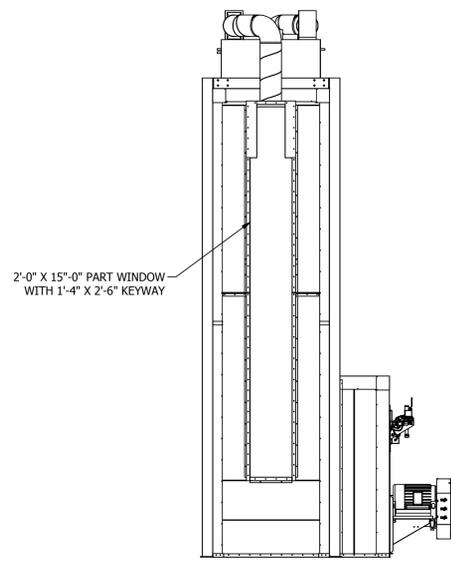


ITEM	QTY	PART NUMBER	DESCRIPTION
2-B1	5	12A-1.5-1.5-34-03	12 ga Angle
2-B2	2	12A-1.5-1.5-36-03	12 ga Angle
2-B3	2	12A-1.5-1.5-38-03	12 ga Angle
2-B4	1	12A-1.5-1.5-39-03	12 ga Angle
2-B5	2	12A-1.5-1.5-41-02	12 ga Angle
2-B6	2	12A-1.5-1.5-41-75-03	12 ga Angle
2-B7	1	12A-1.5-1.5-42-25-03	12 ga Angle
2-B8	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-1.5-1.5-47-03	12 ga Angle
2-B12	5	12A-1.5-1.5-88-03	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	ATFS-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-CL1-72-01	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 (Fastener)
H55	650	36110	Hex Nut - 1/2-13
H56	525	33012	Flat Washer for 1/2" Bolt
H57	300	43C125HCSSZ	7/16-14 x 1 1/4" Hex Cap Screw Grade 5 - Zinc Plated
H58	175	43C100HCSSZ	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

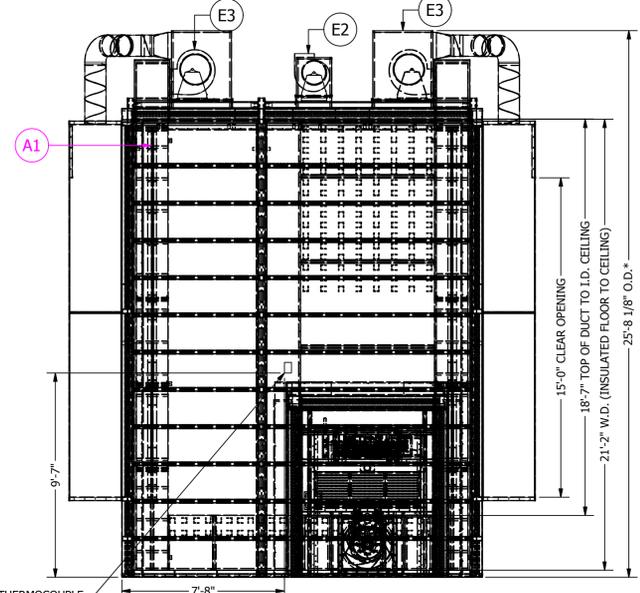


CONVEYOR TRACK LAYOUT

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 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
 DRAWING TITLE:
 CONVEYOR TRACK
 JOB NO:
 R2016151
 EQUIP NO:
 CONVEYOR TRACK
 SHEET NO:

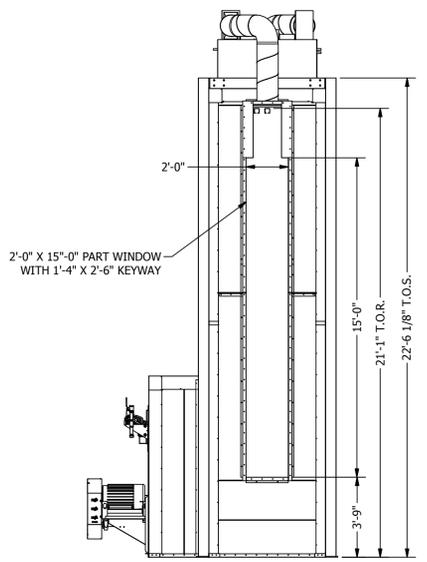


FRONT VIEW
1/4" = 1'-0"

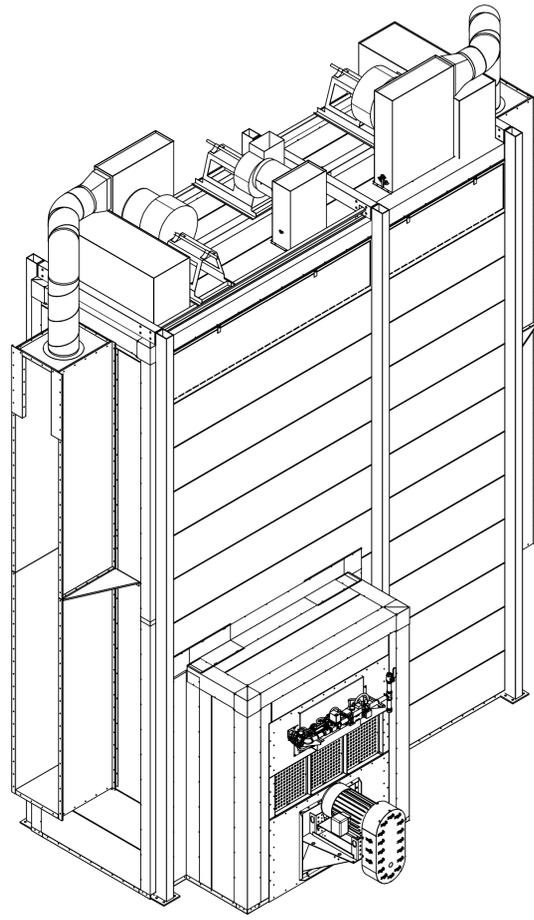


ROHNER PROVIDED THERMOCOUPLE BOX TO BE INSTALLED IN OVEN SIDE WALL OPPOSITE OF PROCESS HEATER

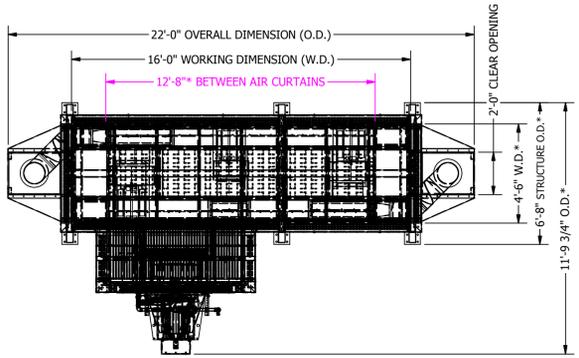
LEFT VIEW
1/4" = 1'-0"



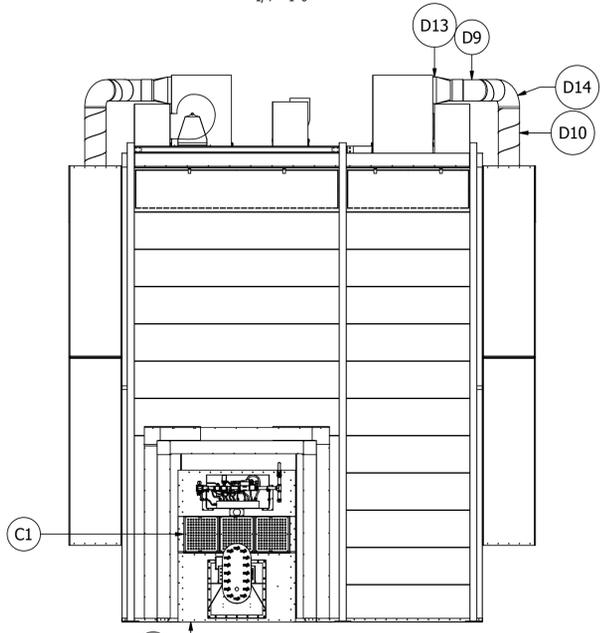
REAR VIEW
1/4" = 1'-0"



ISOMETRIC VIEW
NOT TO SCALE



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



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

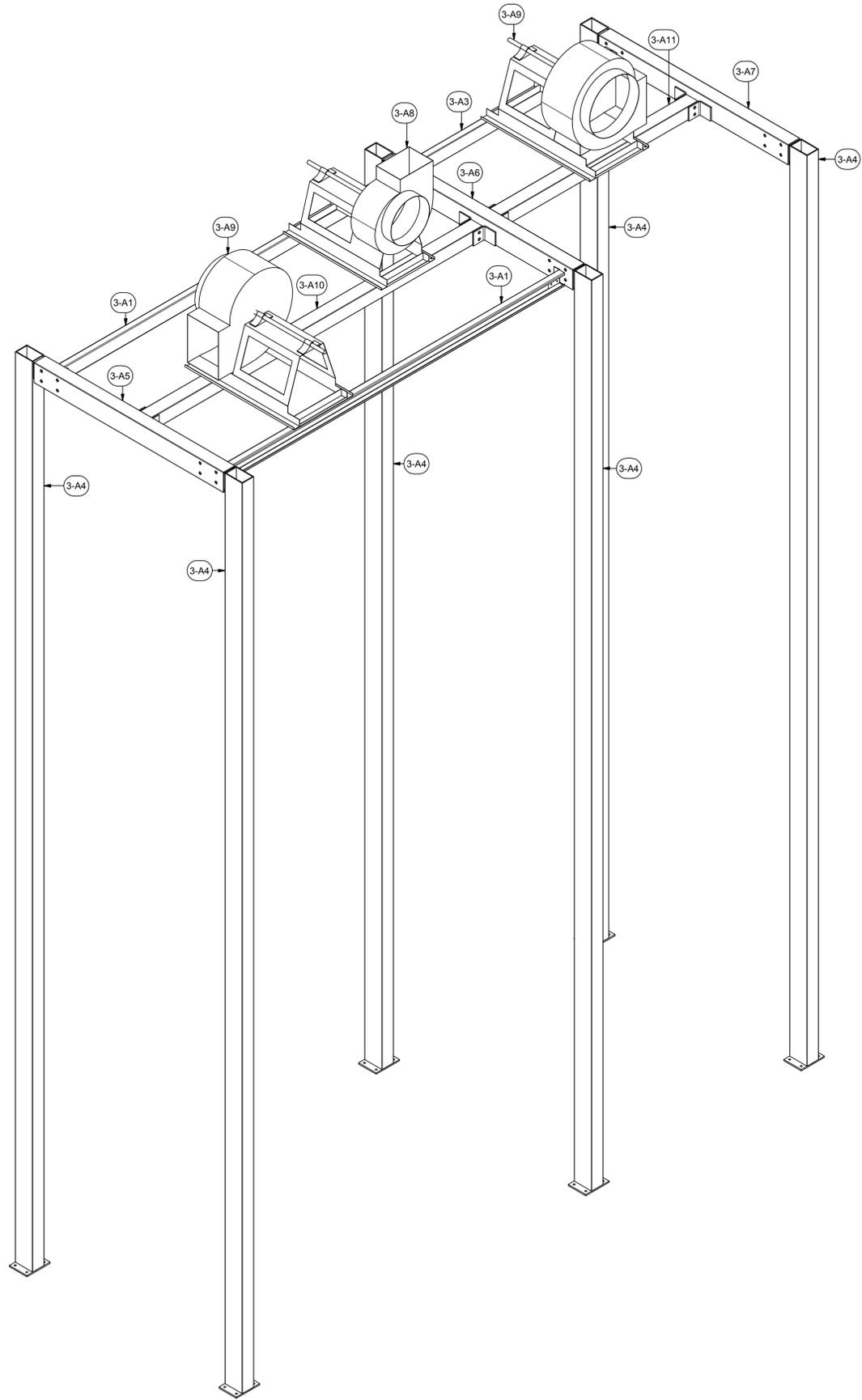
APPROVED FOR CONSTRUCTION

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 - Sht. 3.1	POHT-WP-4.5-21.5-17 - Structure - Sht. 3.1
B2	1		POHT-WP-4.5-21.5-17 - Sht. 3.2	POHT-WP-4.5-21.5-17 - Floor Track - Sht. 3.2
B3	1		POHT-WP-4.5-21.5-17 - Sht. 3.3	POHT-WP-4.5-21.5-17 - Sidewalls - Sht. 3.3
B4	1		POHT-WP-4.5-21.5-17 - Sht. 3.4	POHT-WP-4.5-21.5-17 - Endwalls - Sht. 3.4
B5	1		POHT-WP-4.5-21.5-17 - Sht. 3.5	POHT-WP-4.5-21.5-17 - Ceiling - Sht. 3.5
B6	1		POHT-WP-4.5-21.5-17 - Sht. 3.6	POHT-WP-4.5-21.5-17 - Duct - Sht. 3.6
B7	1		POHT-WP-4.5-21.5-17 - Sht. 3.7	POHT-WP-4.5-21.5-17 - Flashing - Sht. 3.7
B8	1		POHT-WP-4.5-21.5-17 - Sht. 3.8	POHT-WP-4.5-21.5-17 - Insulated Floor - Sht. 3.8
B9	1		POHT-WP-4.5-21.5-17 - Sht. 3.9	POHT-WP-4.5-21.5-17 - Air Curtain - Sht. 3.9
B10	1		POHT-WP-4.5-21.5-17 - Sht. 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-RRU-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				

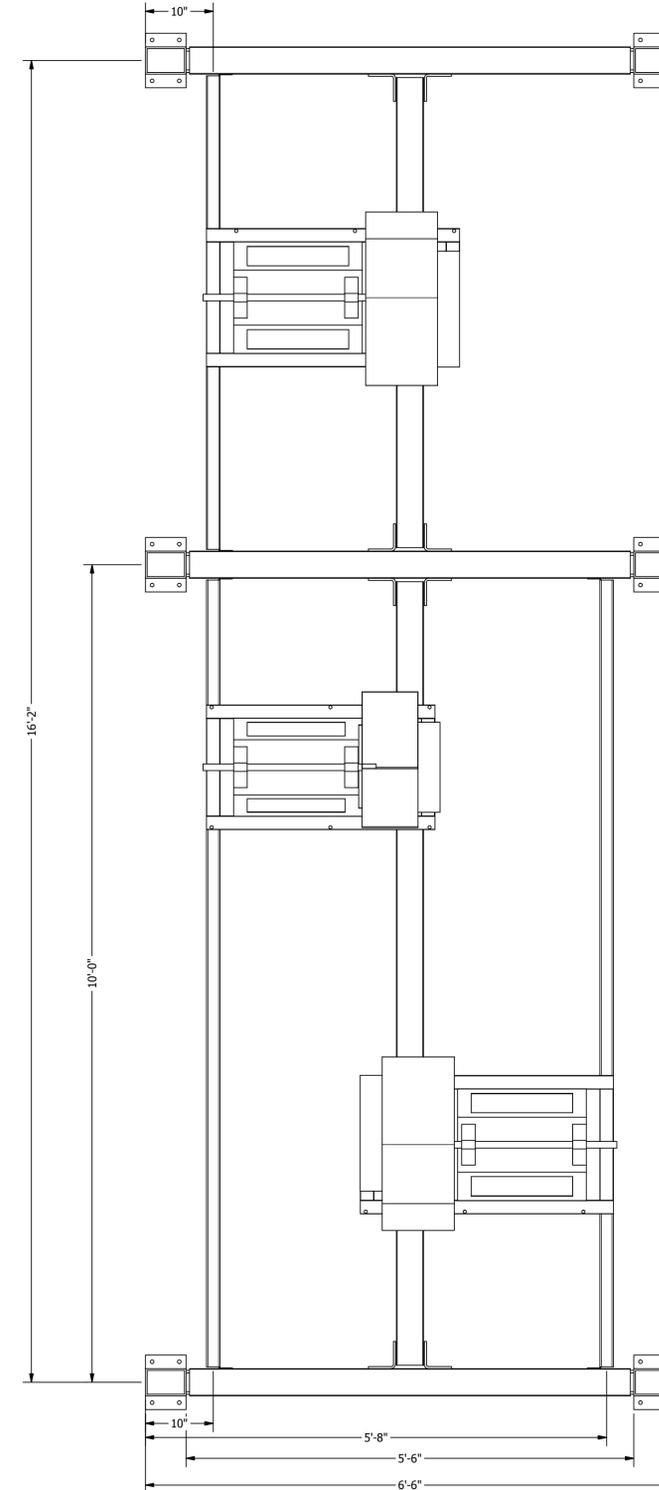
A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:
PRESCIENT
2125 SENATOR RALPH SCOTT PARKWAY
MEBANE, NC 27302



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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
JOB NO: R2016151
EQUIP. NO: POHT-WP-4.5-21.5-17-01
SHEET NO: 3



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	62C150HCSSZ	Hex Bolt - 5/8-11x1 1/2"
H11	6	36114	Hex Nut - 5/8-11
H18	6	33015	5/8" x 1
H45	6	62C800HCSS	Hex Bolt - 5/8-11 8"



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 SUITE 102
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 (360) 885-7611 VOICE
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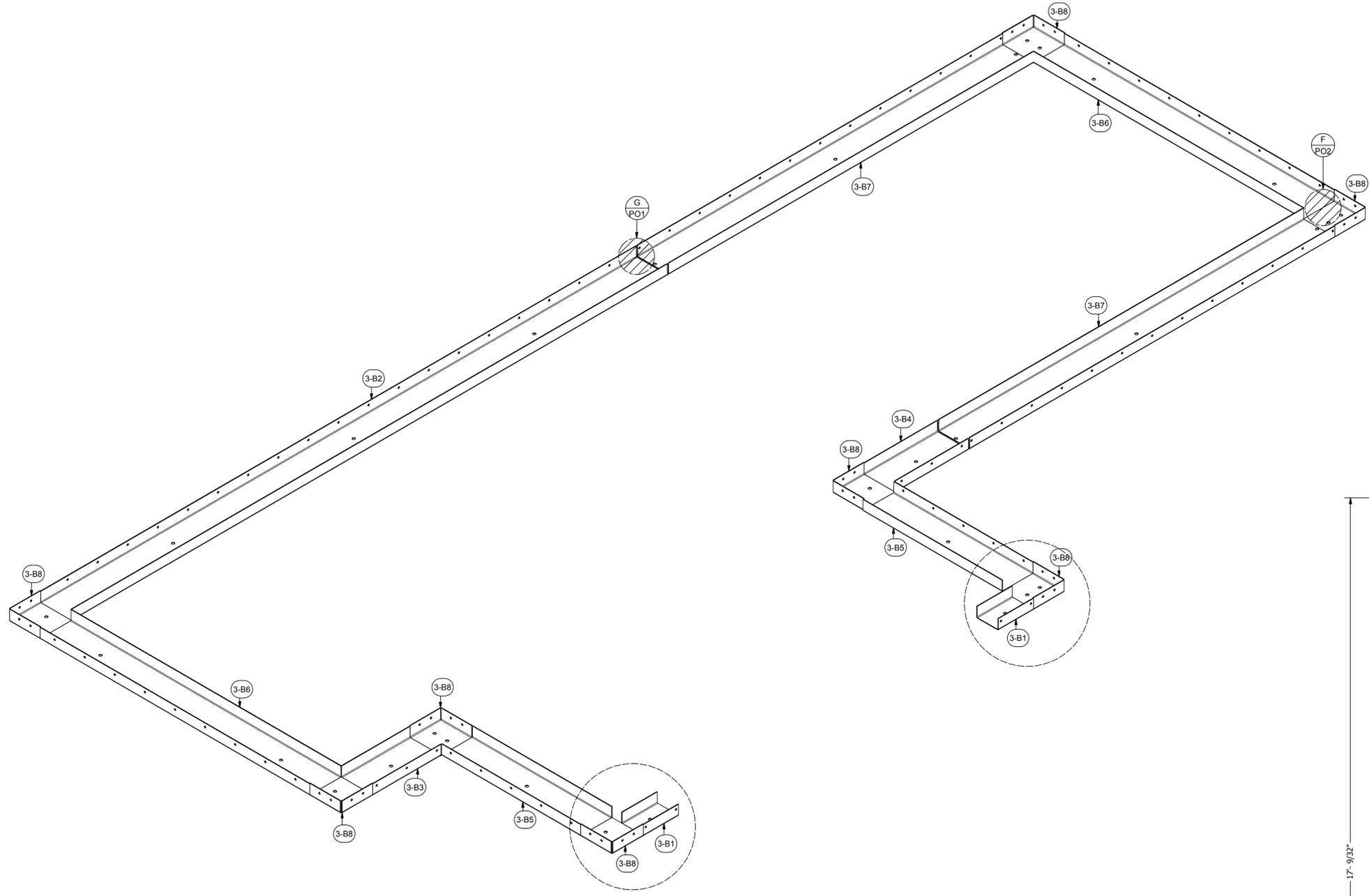
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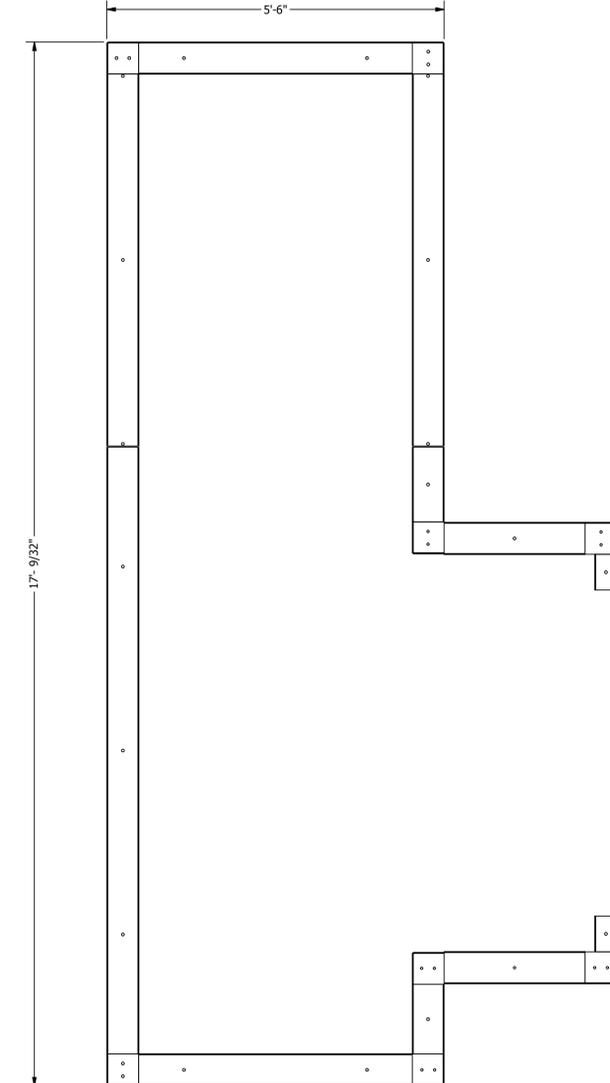
DRAWING TITLE:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

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



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



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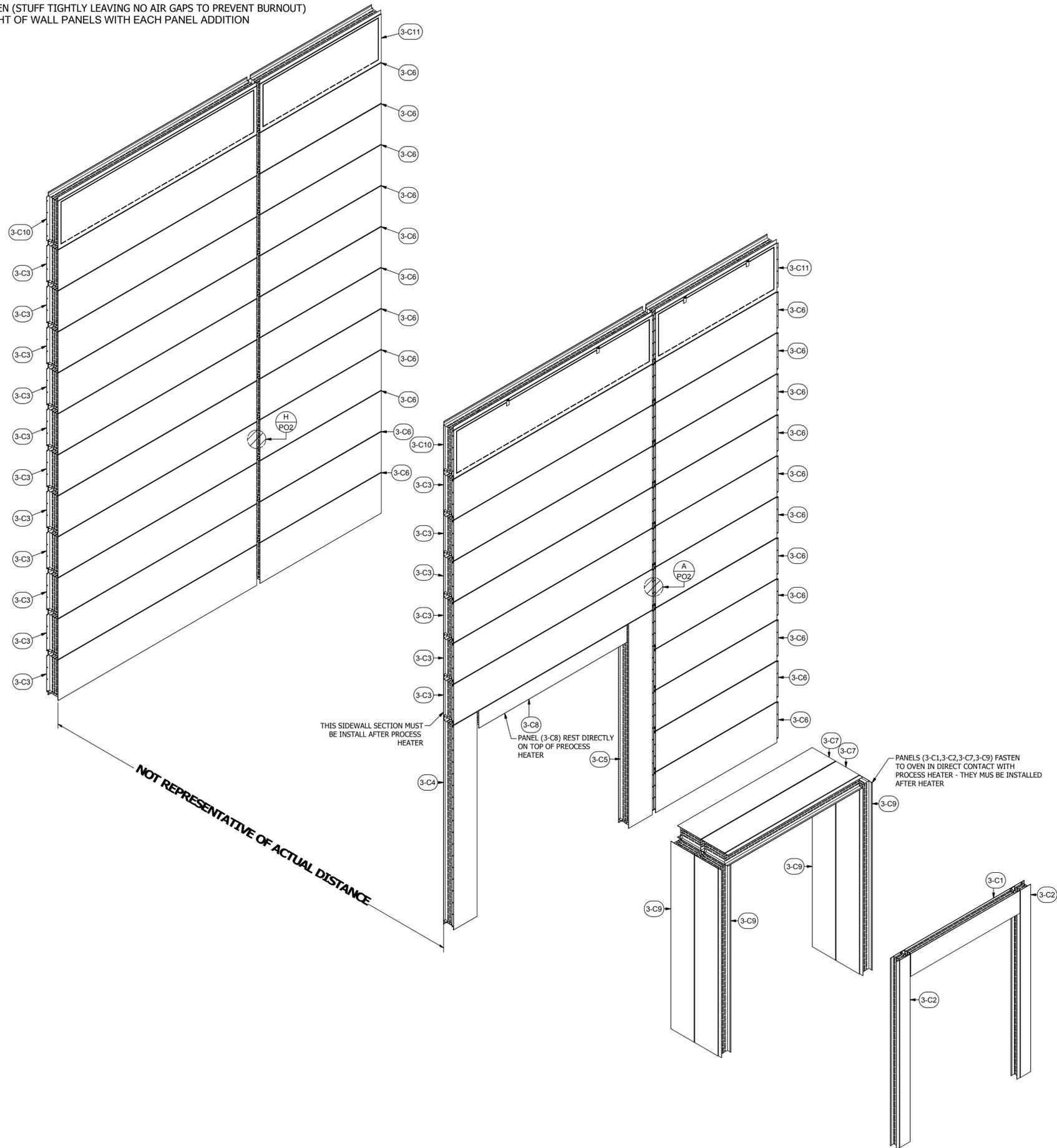
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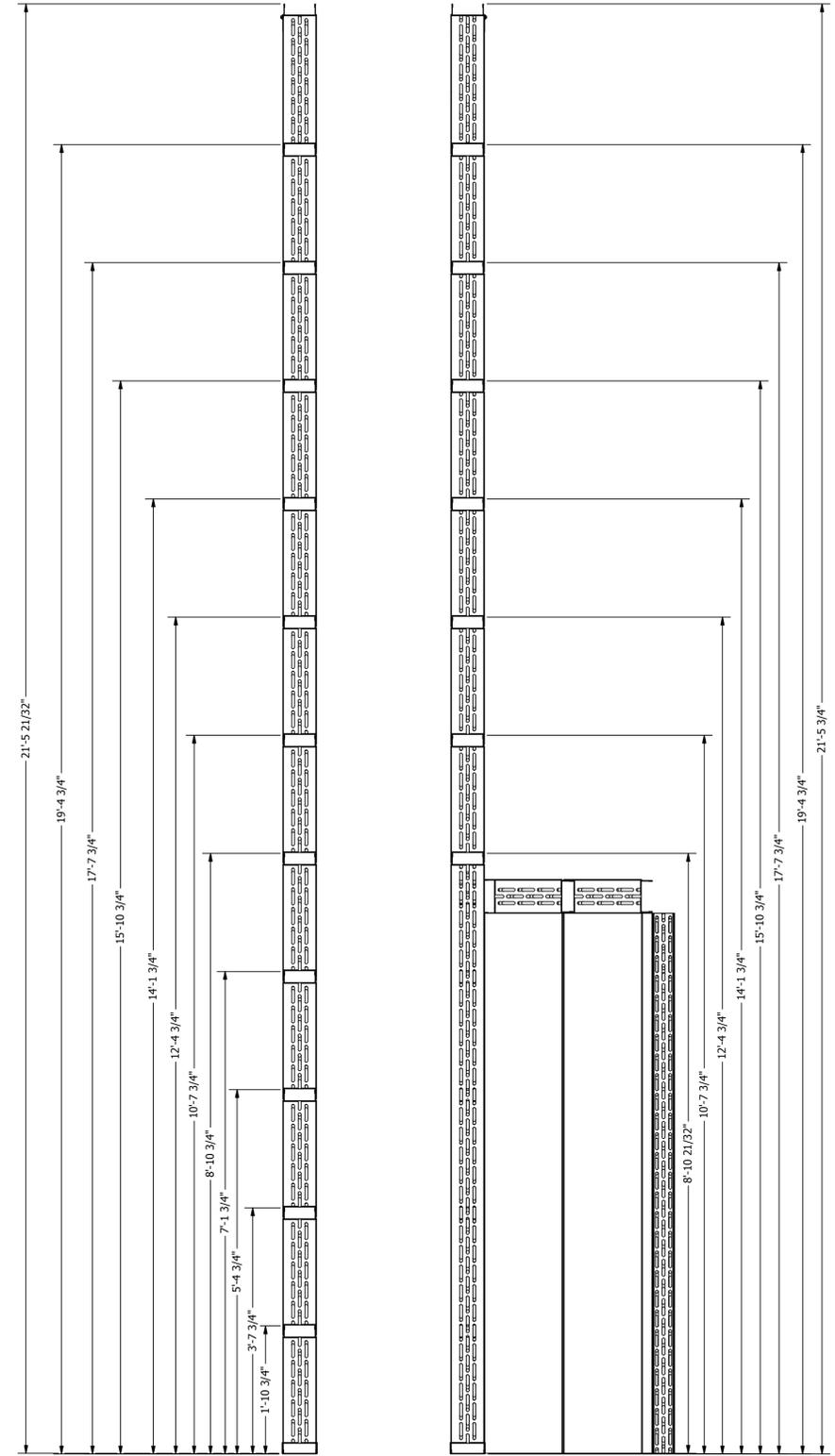
NOTE:

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	MWBRO02	RHT80 8# 2" x 24" x48" Insulation
H24	125	MWBRO20	RHT80 8# 1" X 24" X 48" Insulation

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 2650 S. ADDRESS RD.
 SUITE 102
 WACO, WA 98661
 (360) 885-7641 VOICE
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A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:
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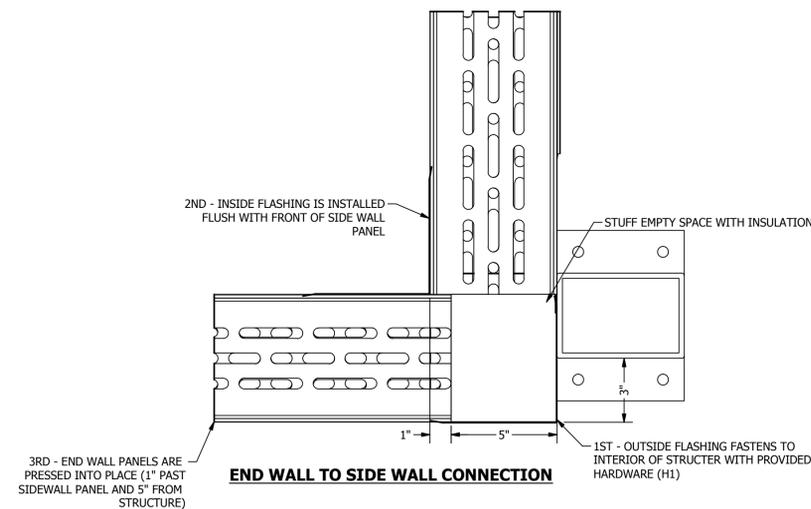
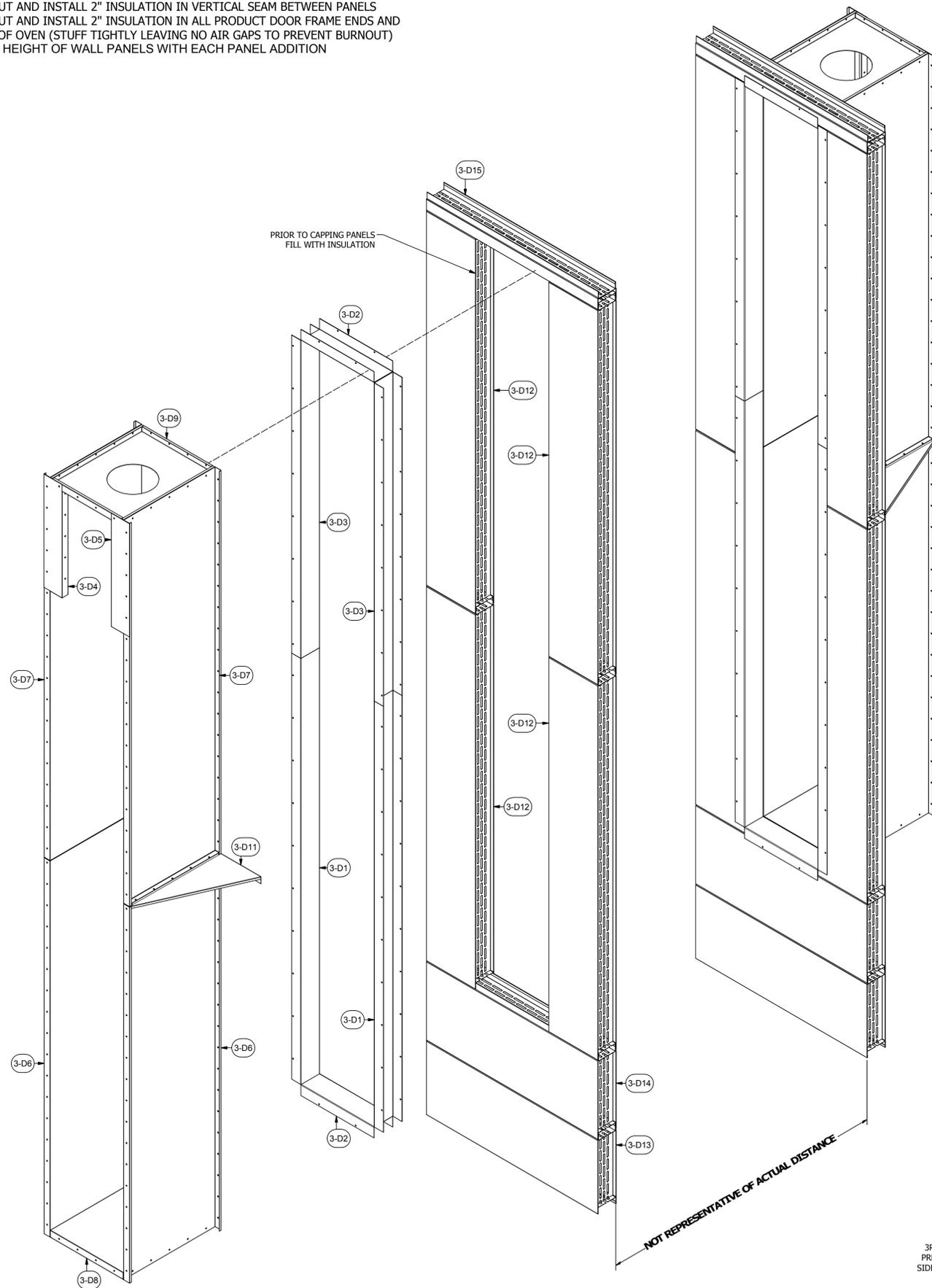
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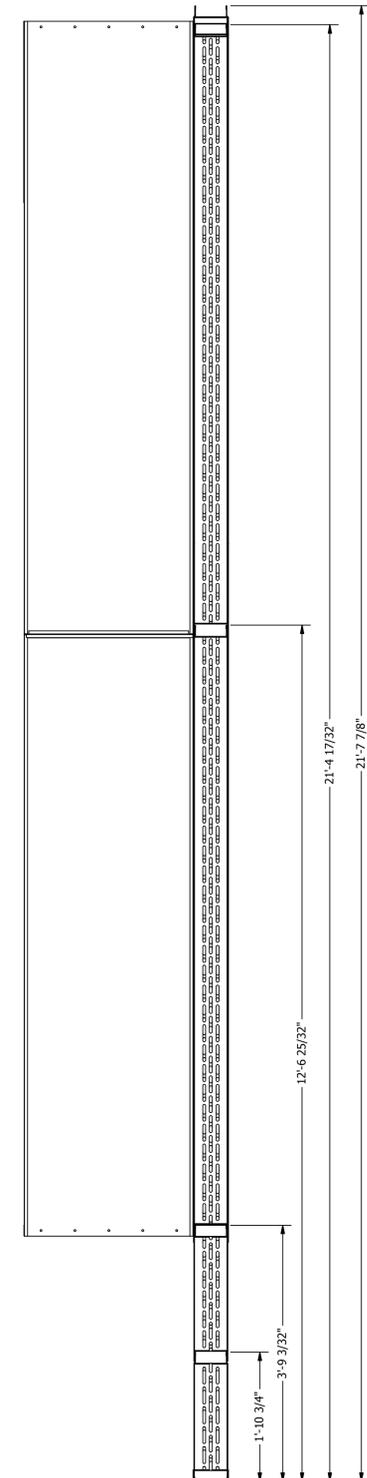
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 POHT-WP-4.5-21.5-17-01
 SHEET NO:

NOTE:

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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-3-6-89-9-01	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	MVBR002	RHT80 8# 2" x 24" x48" Insulation
H24	75	MVBR020	RHT80 8# 1" X 24" X 48" Insulation



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:

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DESCRIPTION OF CHANGE(S):
Construction Set

DRAWING TITLE:
EXPLODED ISOMETRIC ASSEMBLY DRAWING

JOB NO:
R2016151

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

SHEET NO:

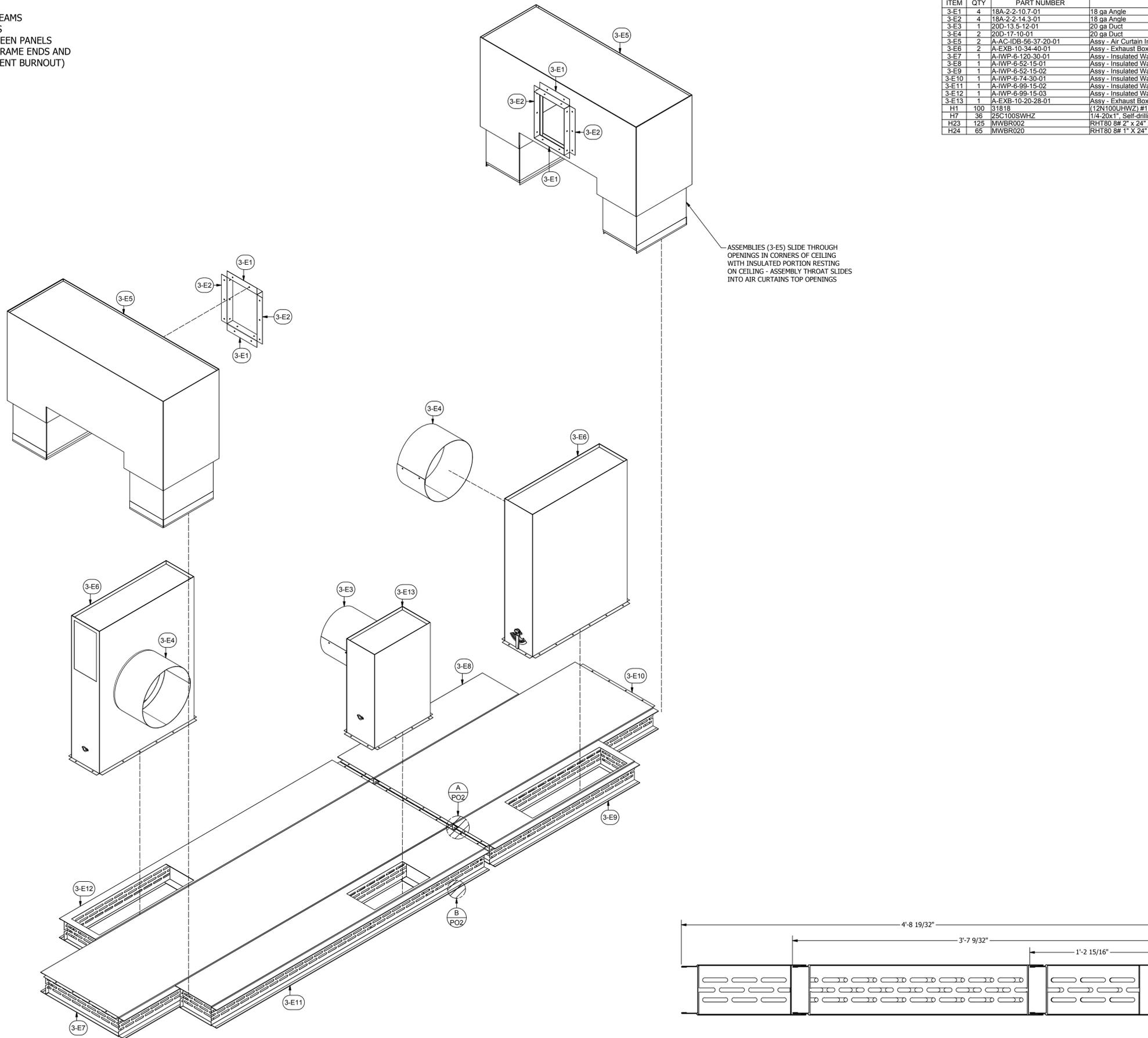


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OR. LIC # 135549
CA# 792654
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NOTE:

1. FIELD CUT AND INSTALL 2" INSULATION IN HORIZONTAL PANEL SEAMS
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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)

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" x 48" insulation	
H24	65	MWBR020	RHT80 8# 1" x 24" x 48" insulation	



ASSEMBLIES (3-E5) SLIDE THROUGH OPENINGS IN CORNERS OF CEILING WITH INSULATED PORTION RESTING ON CEILING - ASSEMBLY THROAT SLIDES INTO AIR CURTAINS TOP OPENINGS

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A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:
PRESCIENT
 2125 SENATOR RALPH SCOTT PARKWAY
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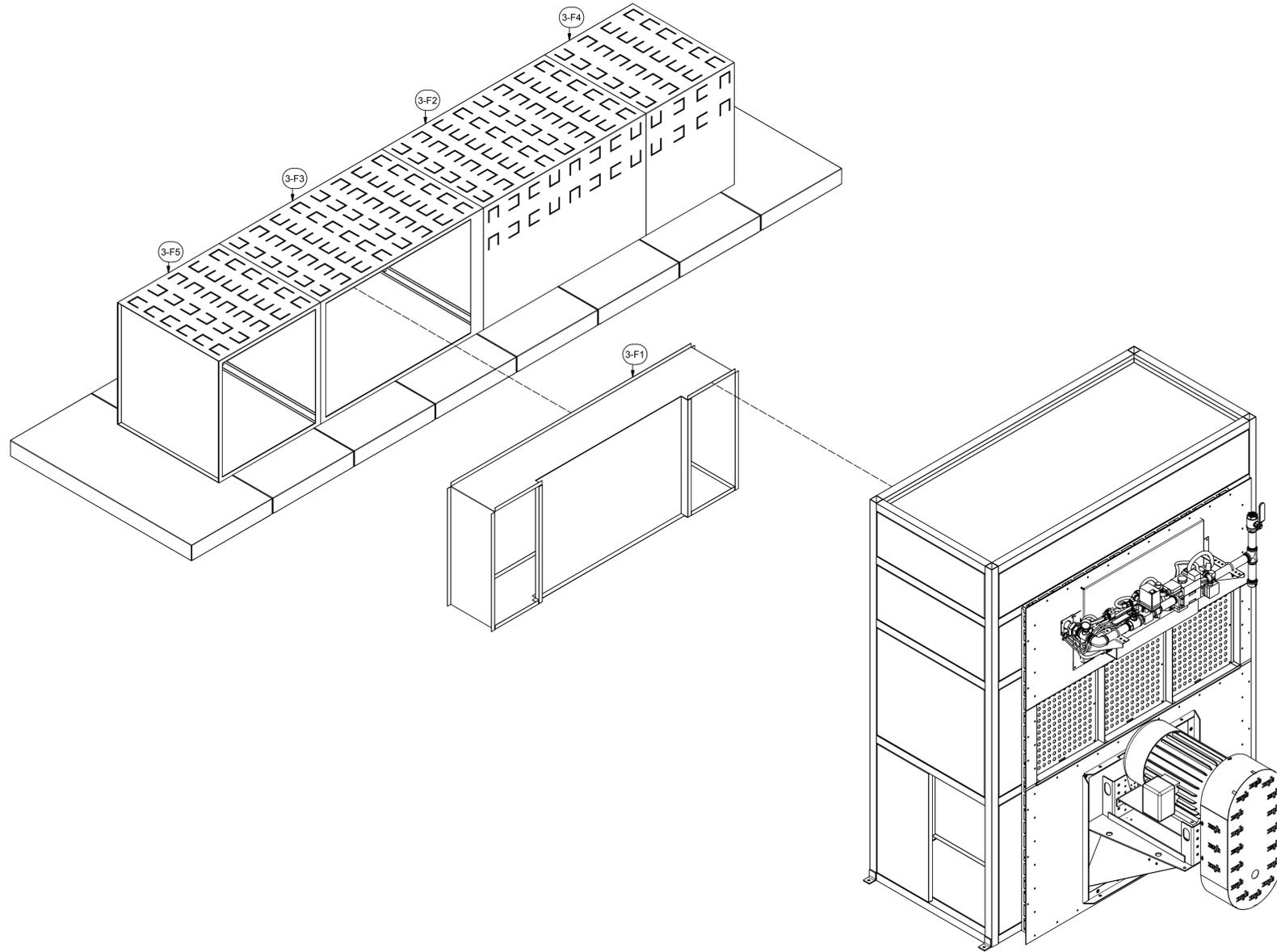
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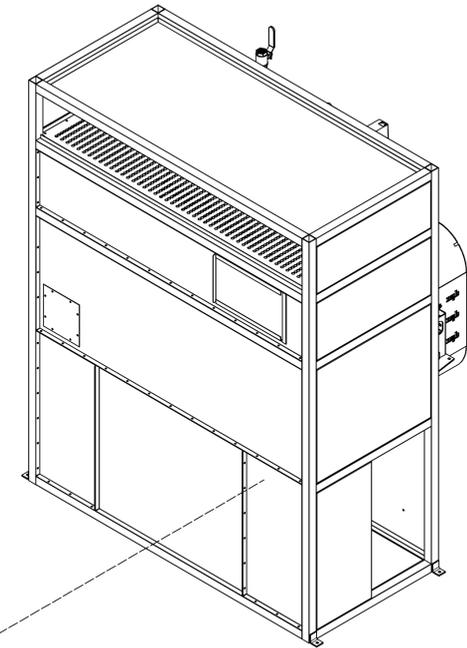
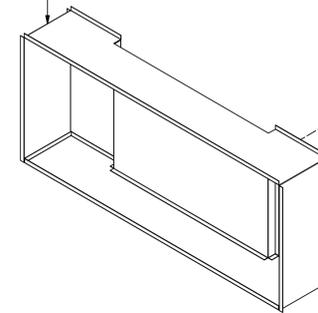
1. FEMALE END OF THE DUCT SLIPS OVER FLANGED MALE END AND IS FASTENED WITH #12 X 3/4" TEK SCREWS 6" O.C.

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	31818	(12N100UHWZ) #12 TekS, 5/16x1

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 SUITE 102
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ITEM (3-F1) FASTENS TO PROCESS HEATER FLUSH WITH CUTOUTS



A INDUSTRIAL DRY-OFF OVEN HIGH-TEMPERATURE FOR:

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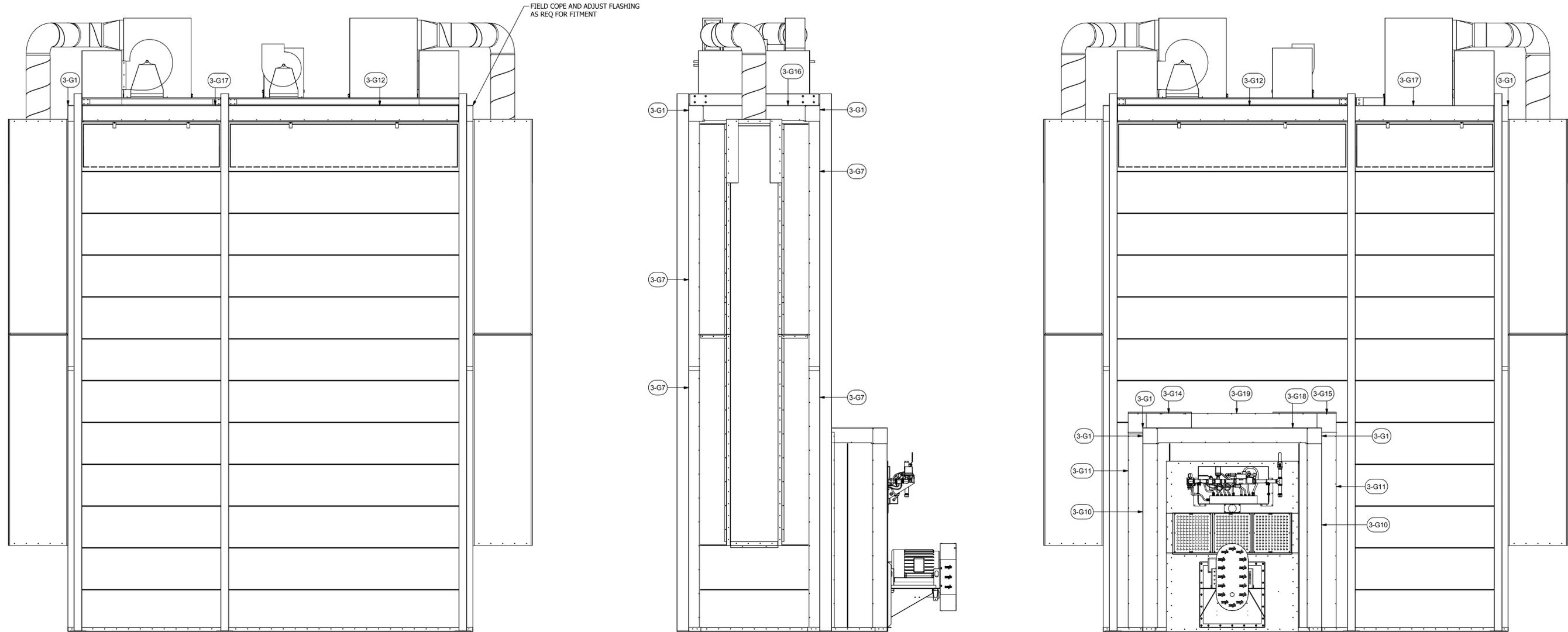
JOB NO: R2016151
 EQUIP. NO: POHT-WP-4.5-21.5-17-01
 SHEET NO:

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-8-8-02	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-6-92-01	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 Teks, 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

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1000 W. PARKER RD.
2650
SUITE 102
WACO, WA 98661
(360) 885-7641 VOICE
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EXTERIOR FLASHING

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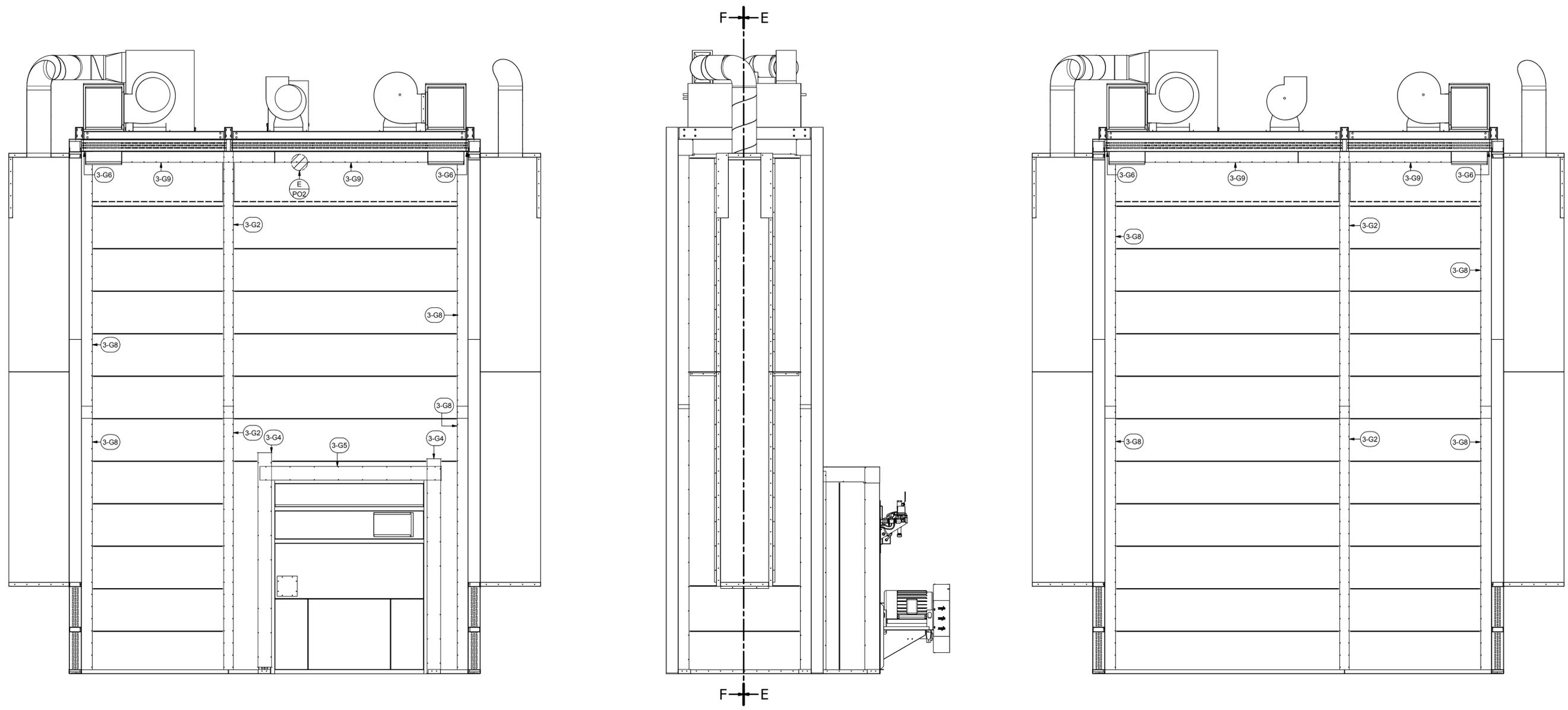
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EQUIP. NO:
POHT-WP-4.5-21.5-17-01
SHEET NO:

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-8-8-8-02	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-6-92-01	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 Teks, 5/16x1
H23	330	MWBR002	RHT80 8# 2" x 24" x48" insulation

ROHNER MECHANICAL, INC.
1000 W. WILKINSON RD.
26504
SUITE 102
WACO, TX 76798
(817) 885-7641 VOICE
FAX # 817-885-7641
OR. L.C. # 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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ISSUED DATE: 11/18/16
REV: 16.1 - 11/18/16
DESCRIPTION OF CHANGE(S):
Construction Set

DRAWING TITLE:
EXPLODED
ISOMETRIC
ASSEMBLY
DRAWING

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

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
3-J1	24	18A-2-2-2-01	18 ga Angle
3-J2	2	A-AC-18-12-96-03	Assy - Air Curtian
3-J3	2	A-AC-18-12-96-04	Assy - Air Curtian
3-J4	4	A-AC-18-13-48-03	Assy - Air Curtian
3-J5	4	A-AC-18-13-48-04	Assy - Air Curtian
3-J6	2	A-AC-18-13-57-03	Assy - Air Curtian
3-J7	2	A-AC-18-13-57-04	Assy - Air Curtian
H1	150	31818	(12N100UHWZ) #12 TekS, 5/16x1

ROHNER MECHANICAL, INC.
 2650 W. WALKER RD.
 SUITE 102
 WACO, WA 98661
 (360) 885-7611 VOICE
 WA LIC # R009610151
 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

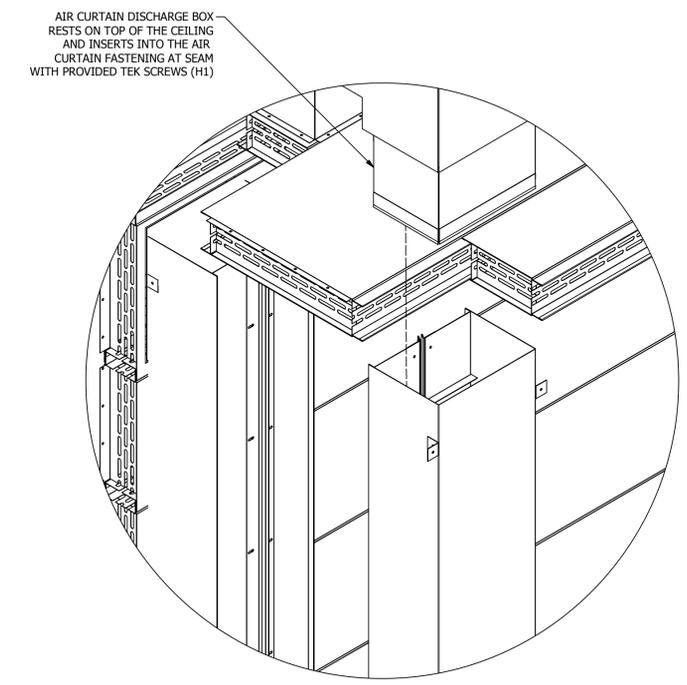
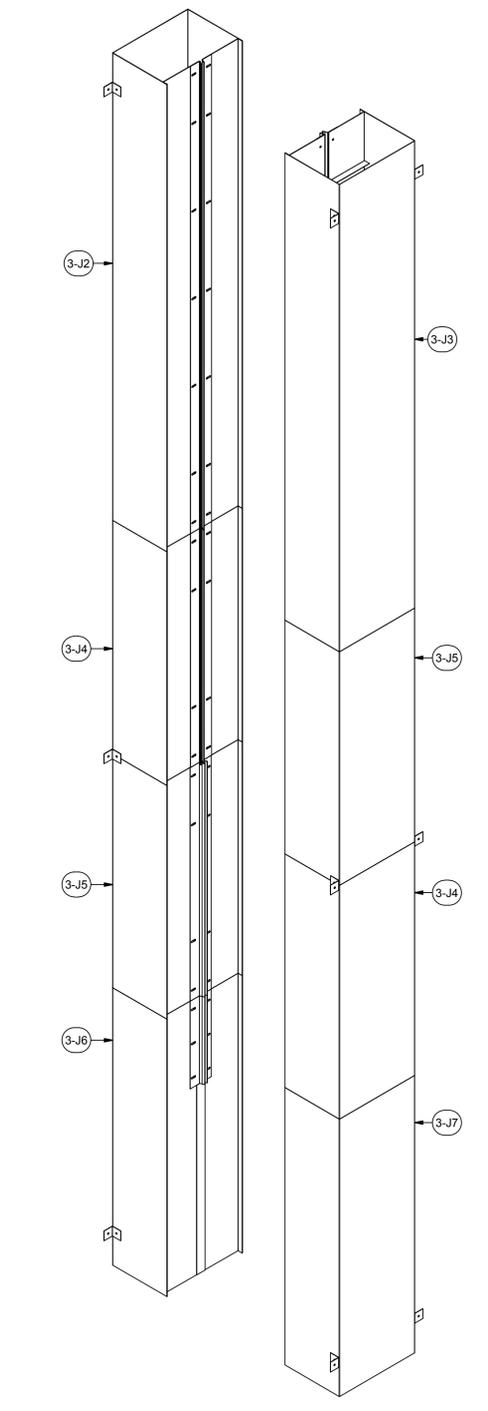
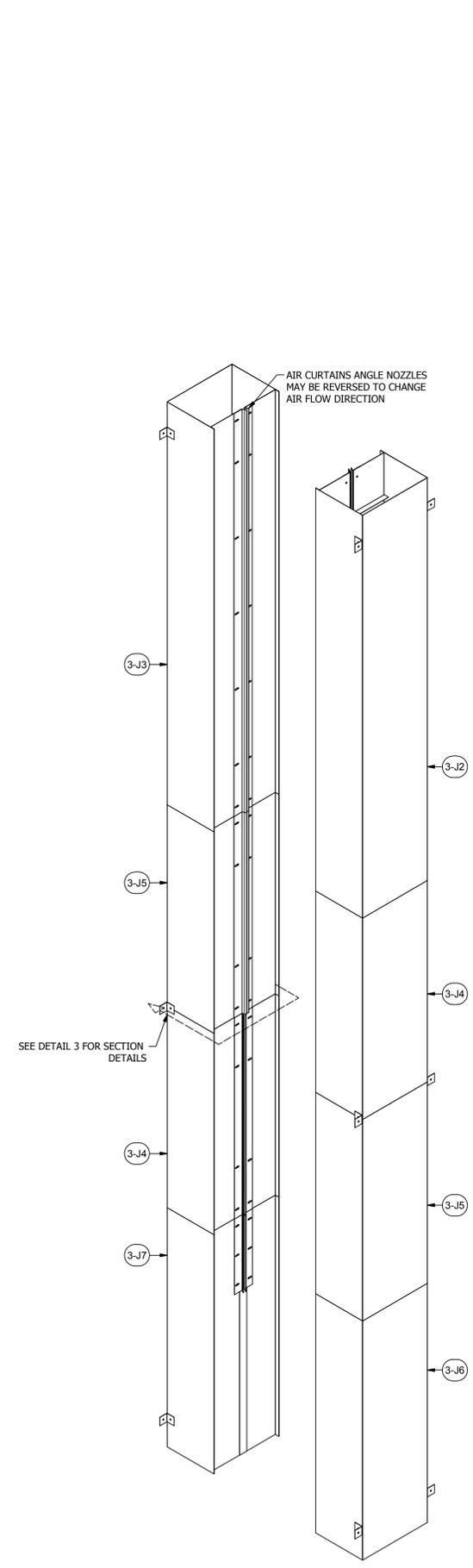
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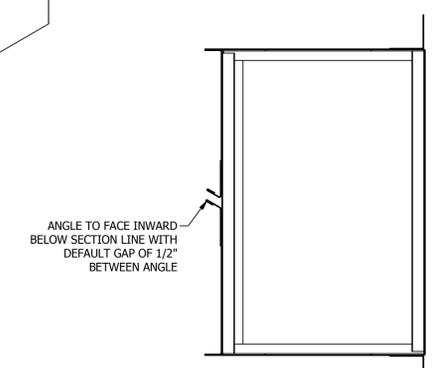
ISSUED DATE: 11/18/16
 REV: 16.1 - 11/18/16
 DESCRIPTION OF CHANGE(S): Construction Set

DRAWING TITLE:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

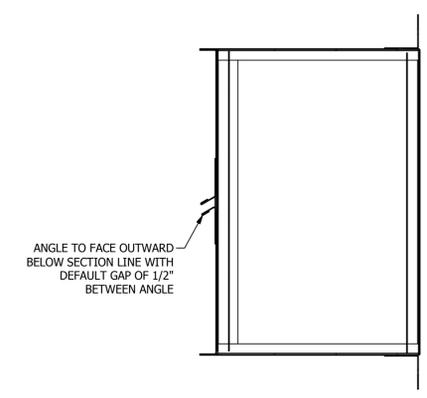
JOB NO:
 R2016151
 EQUIP. NO:
 POHT-WP-4.5-21.5-17-01
 SHEET NO:



DETAIL 1

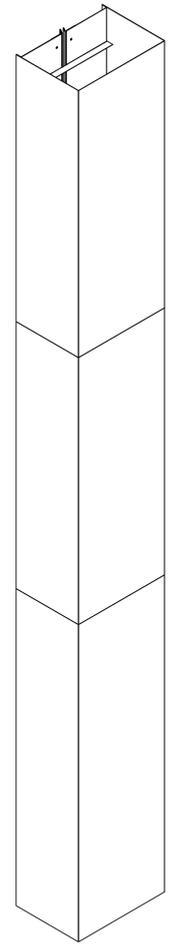
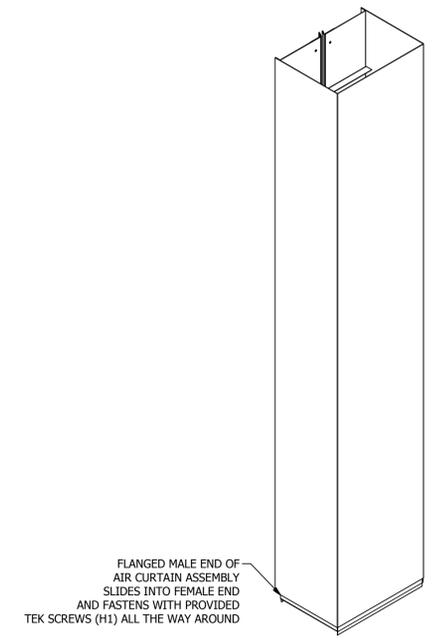


ABOVE SECTION LINE



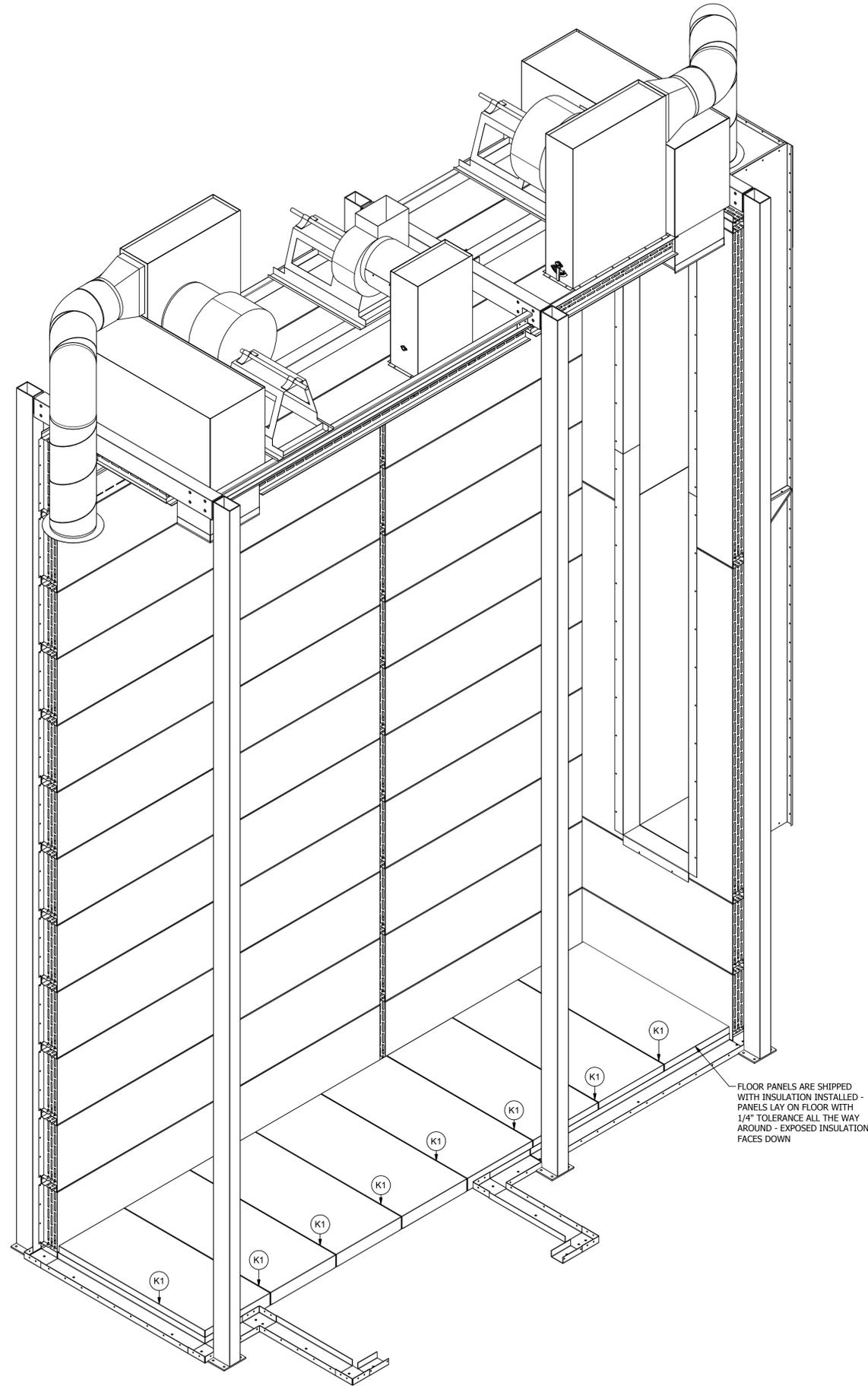
BELOW SECTION LINE

DETAIL 3



DETAIL 2

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.
 2650 W. WALKER RD.
 SUITE 102
 WANKOOVER, WA 98661
 (360) 885-7641 VOICE
 (360) 885-7641 FAX
 WA LIC # ROPR000151H
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM



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

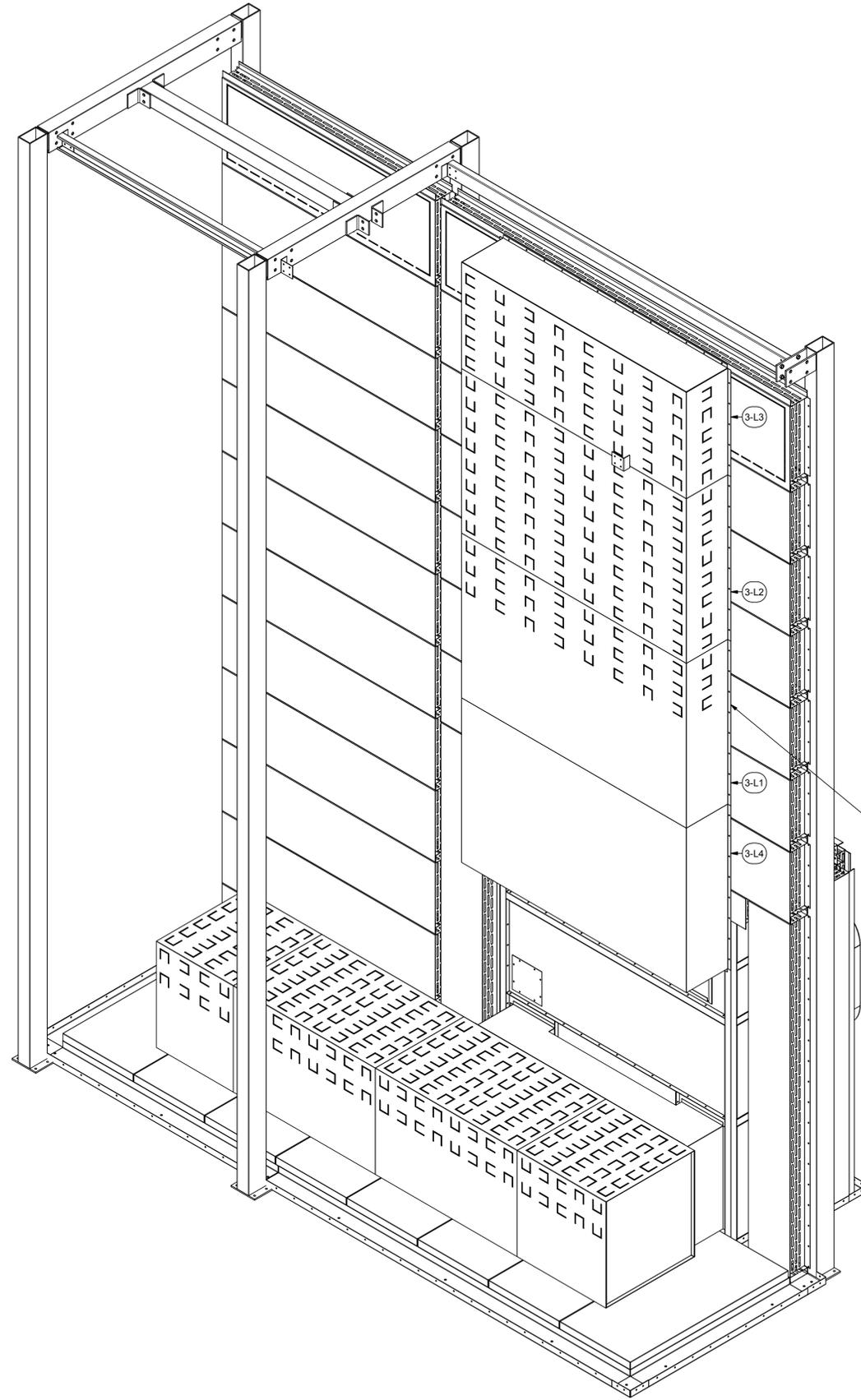
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 EXPLODED
 ISOMETRIC
 ASSEMBLY
 DRAWING

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



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-180D-14-76-48-01	Assy - Oven Duct
3-L2	1	A-180D-14-76-48-02	Assy - Oven Duct
3-L3	1	A-180D-E-14-76-31-01	Assy - Oven Duct End
3-L4	1	A-180D-E-14-76-48-01	Assy - Oven Duct End
H1	160	31818	(12N100UHWZ) #12 TekS, 5/16x1
384	2	IC-COS 12 ATTO	Custom- Duct- 12" Air Tight Take Off

ROHNER MECHANICAL, INC.
 2650 W. ANDERSON RD.
 SUITE 102
 WANCOURT, WA 98661
 (360) 885-7641 VOICE
 WA LIC # RCPH001015H
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM



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

DRAWN BY: HGS
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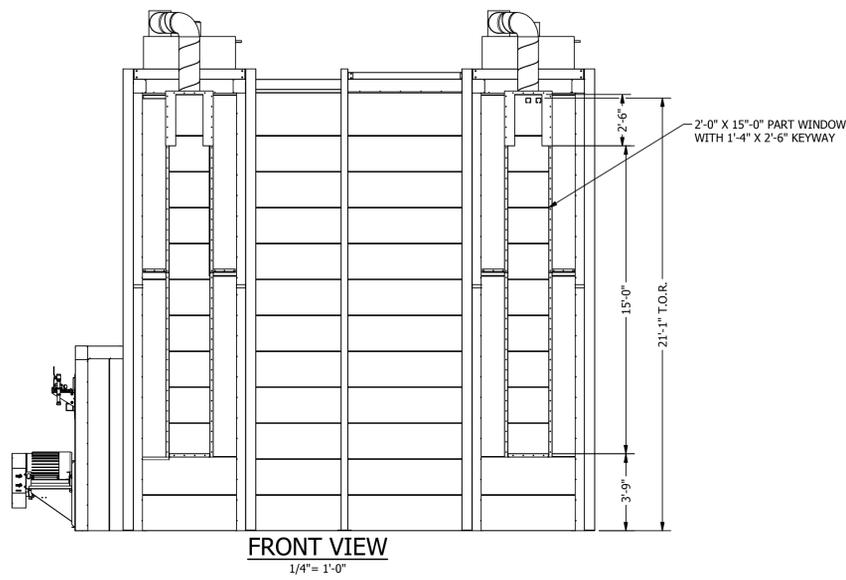
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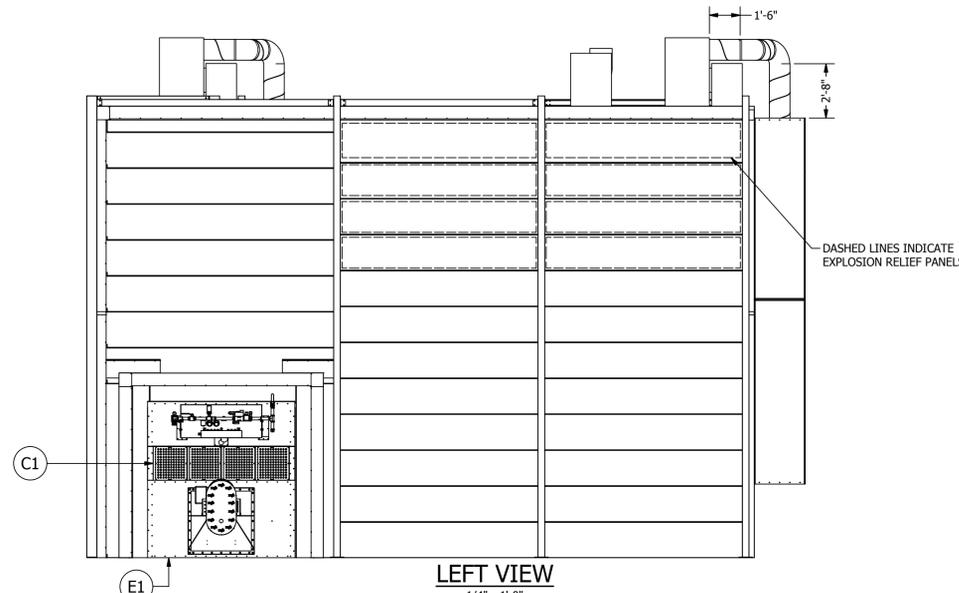
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 EXPLODED ISOMETRIC ASSEMBLY DRAWING

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

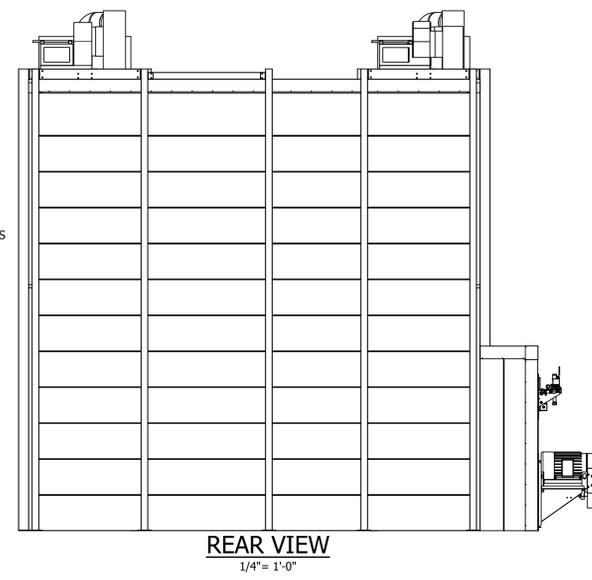
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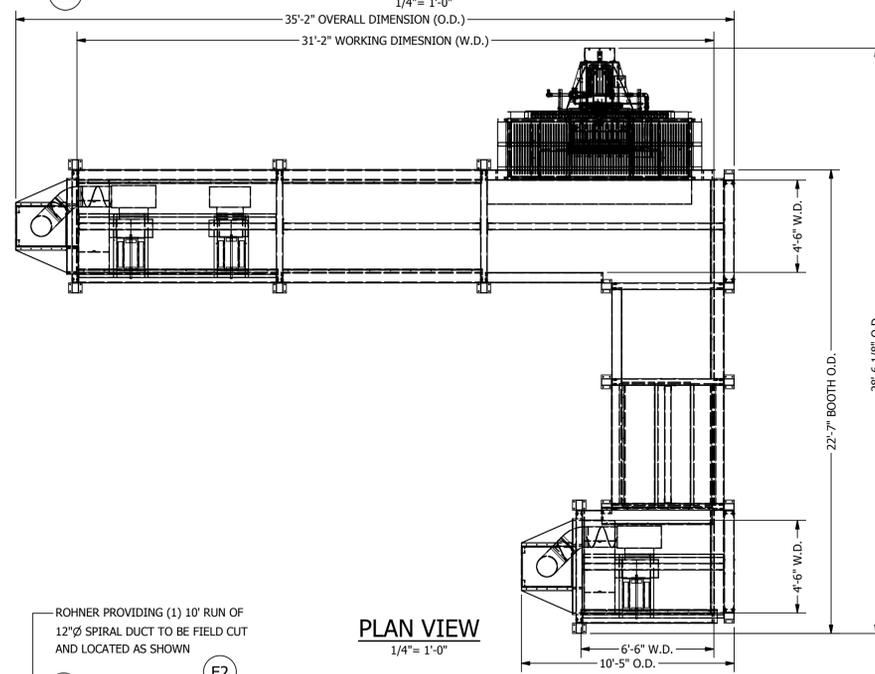
FRONT VIEW
1/4" = 1'-0"



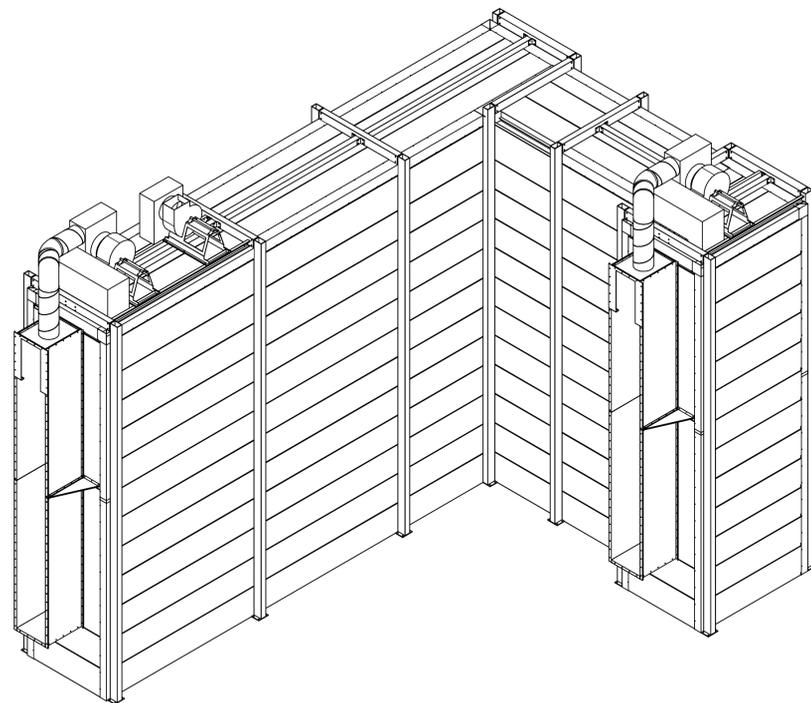
LEFT VIEW
1/4" = 1'-0"



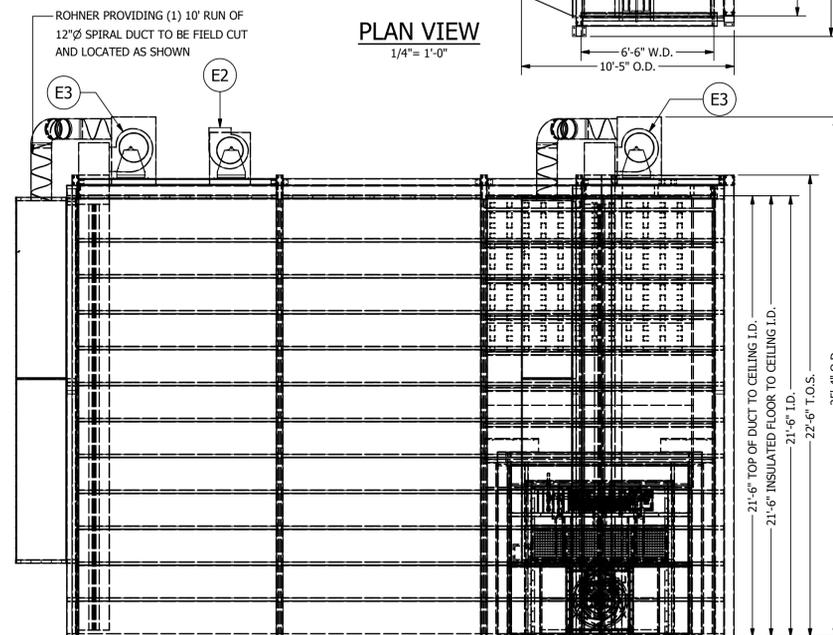
REAR VIEW
1/4" = 1'-0"



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



ISOMETRIC VIEW
NOT TO SCALE



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

APPROVED FOR CONSTRUCTION

POHT-WP-4.5-21.5-50-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.
1000 W. PARKER RD.
26500
SUITE 102
WACO, WA 98661
(360) 885-7411 VOICE
ROHNER@ROHNER.COM
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

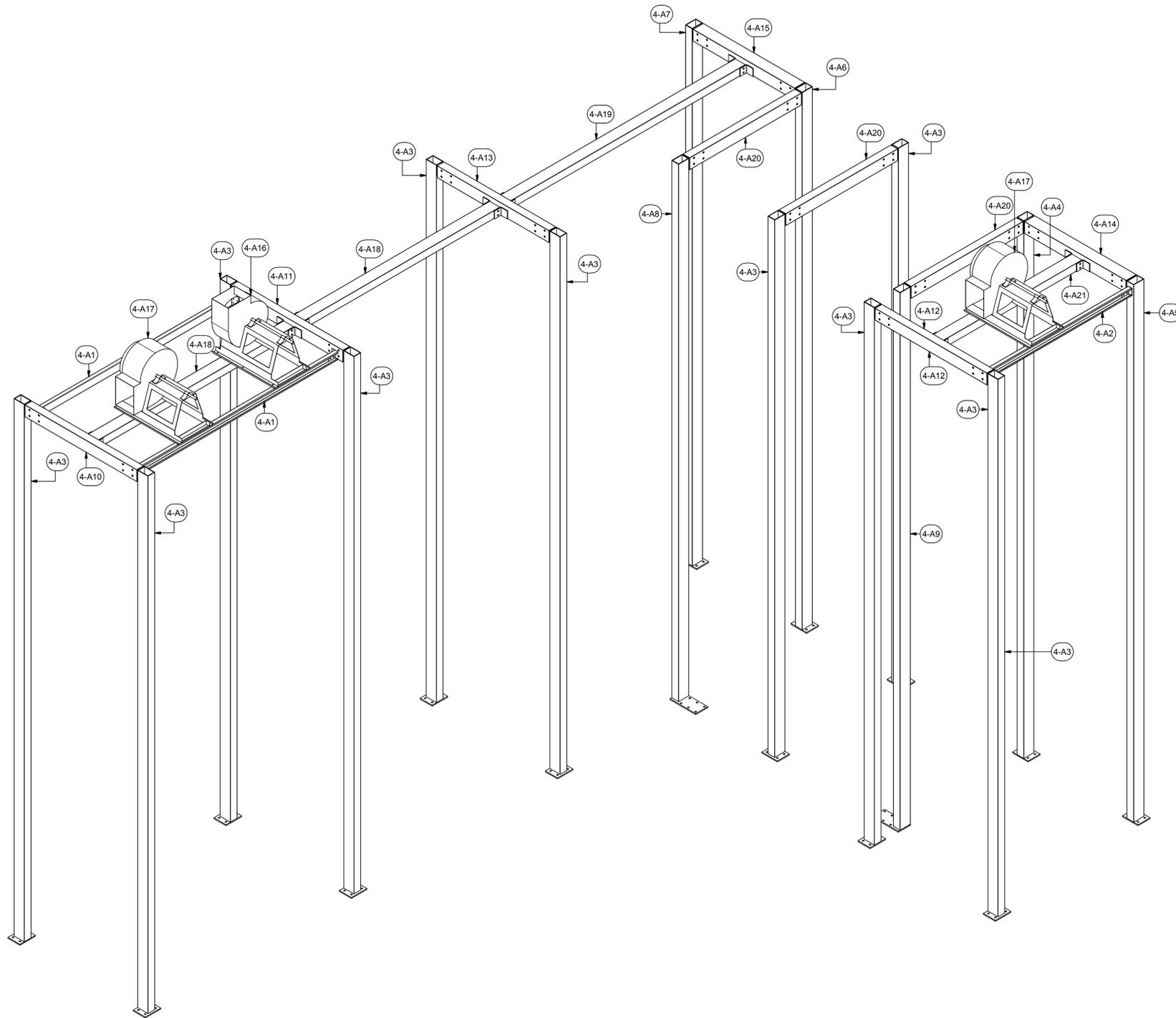
DESCRIPTION OF CHANGES:
1. 6" ADDED TO CENTER SECTION AND REMOVED FROM EXIT SECTION

DRAWING TITLE:
FLOOR PLANS/
ELEVATIONS/
SECTIONS

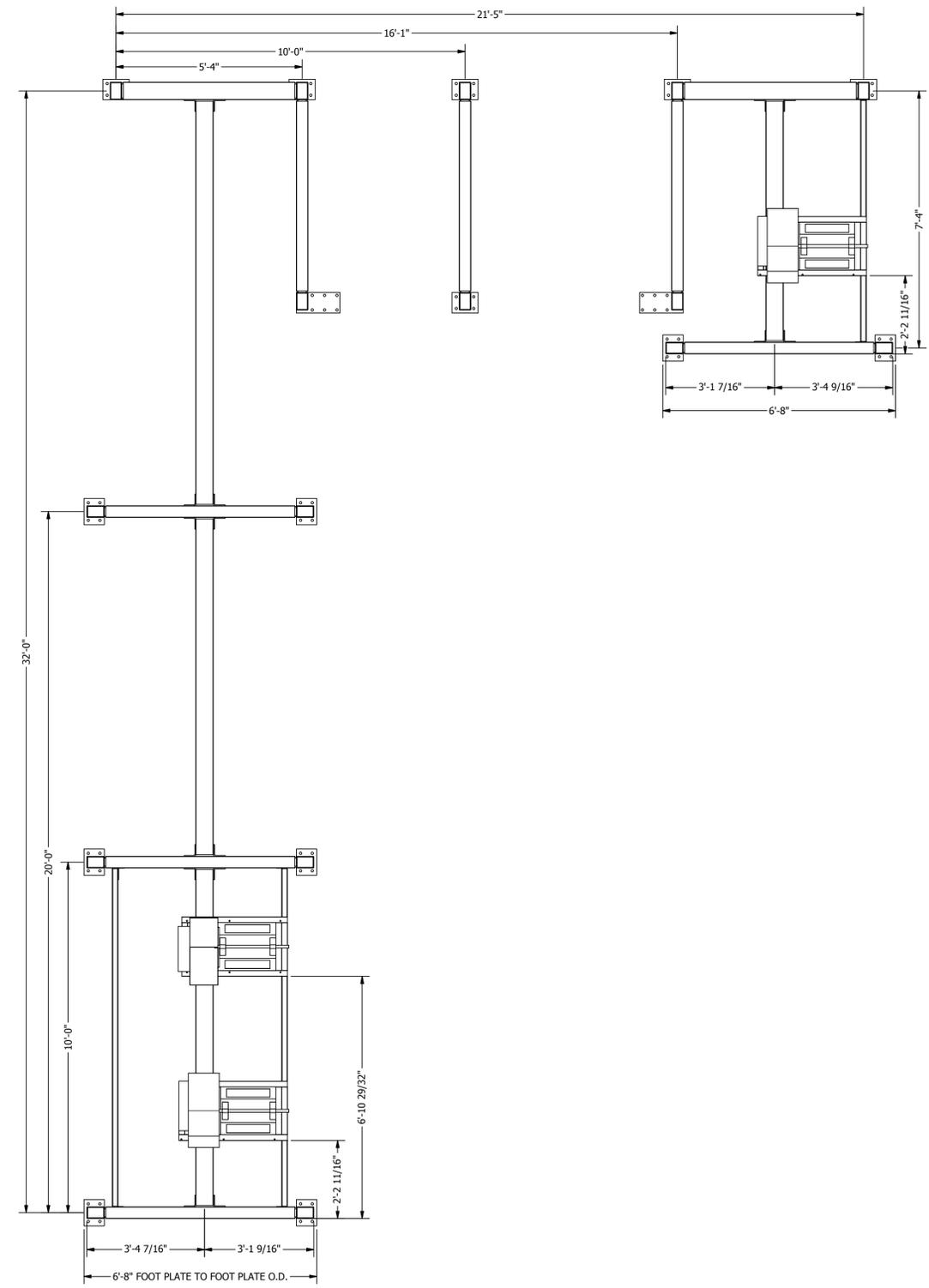
JOB NO:
R2016151

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

SHEET NO.



PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
4-A1	2	12CC-2-4-115-5-01	12 ga C Channel	
4-A2	1	12CC-2-4-32-5-01	12 ga C Channel	
4-A3	10	A-POHT-VS-6-270-05	Assy - Process Oven High Temp Vertical Structure	
4-A4	1	A-POHT-VS-6-270-06	Assy - Process Oven High Temp Vertical Structure	
4-A5	1	A-POHT-VS-6-270-07	Assy - Process Oven High Temp Vertical Structure	
4-A6	1	A-POHT-VS-6-270-08	Assy - Process Oven High Temp Vertical Structure	
4-A7	1	A-POHT-VS-6-270-09	Assy - Process Oven High Temp Vertical Structure	
4-A8	1	A-POHT-VS-6-270-10	Assy - Process Oven High Temp Vertical Structure	
4-A9	1	A-POHT-VS-6-270-11	Assy - Process Oven High Temp Vertical Structure	
4-A10	1	A-TS-4-6-65-01	Assy - Tube Steel Weldment	
4-A11	1	A-TS-4-6-65-02	Assy - Tube Steel Weldment	
4-A12	1	A-TS-4-6-65-03	Assy - Tube Steel Weldment	
4-A13	1	A-TS-4-6-65-05	Assy - Tube Steel Weldment	
4-A14	1	A-TS-6-6-59-01	Assy - Tube Steel Weldment	
4-A15	1	A-TS-6-6-59-02	Assy - Tube Steel Weldment	
4-A16	1	12-CSW-BI-21-10-I-7	Series 21 Backward Inclined Single Width, 1600 cfm, 3/4 hp	
4-A17	2	CSW-12-BI-21-10-II-50	Series 21 Backward Inclined Single Width, 3000 cfm, 5 hp	
4-A18	2	TS-4-6-115-03	Tube Steel 4"x6"x1/4"	
4-A19	1	TS-4-6-138-02	Tube Steel 4"x6"x1/4"	
4-A20	3	TS-4-6-65-03	Tube Steel 4"x6"x1/4"	
4-A21	1	TS-4-6-82-02	Tube Steel 4"x6"x1/4"	
H2	30	142034	Hex Bolt - 1/4-20x3/4"	
H3	30	857180	Hex Flange Lock Nut, 1/4-20	
H10	160	62C150HCS5Z	Hex Bolt - 5/8-11x1 1/2"	
H11	20	36114	Hex Nut - 5/8-11	
H45	20	62C800HCS5	Hex Bolt - 5/8-11 8"	



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

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

DRAWING TITLE:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

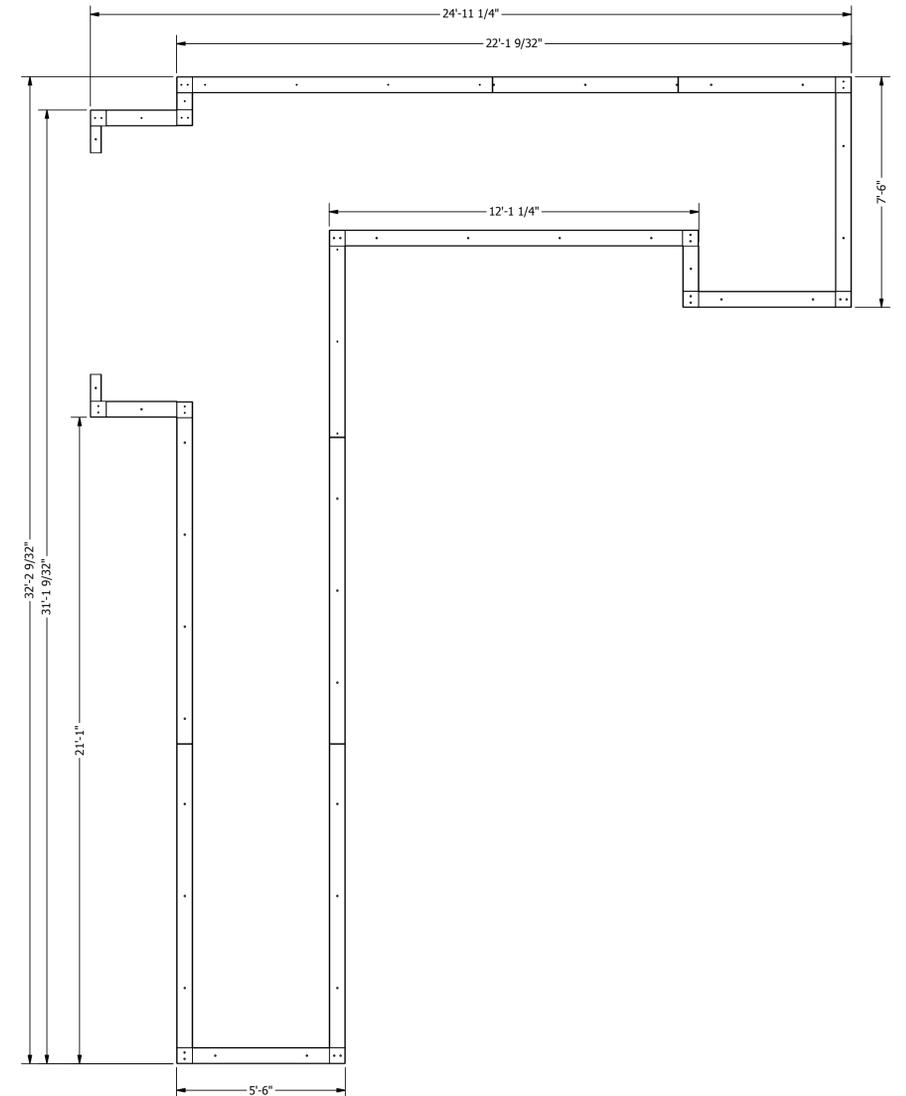
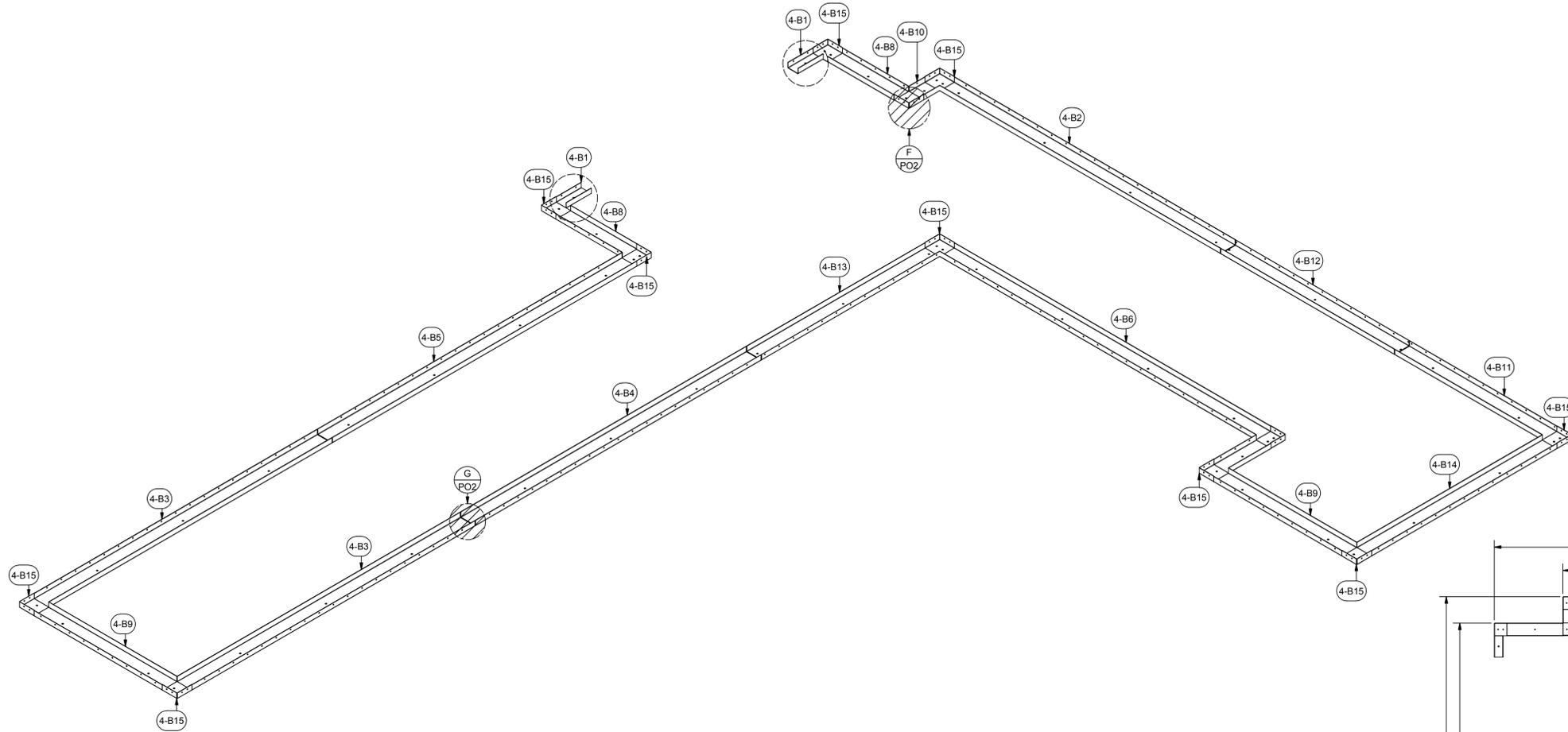
JOB NO:
 R2016151
 EQUIP. NO:
 POHT-WP-4.5-21.5-50

SHEET NO:

4.1

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-2.6.1-81.8-01	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	(12N100UH1WZ) #12 Teks, 5/16x1

NOTE:
INDICATED FLOOR TRACK TO BE INSTALLED
AFTER PROCESS HEATER



A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:
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2125 SENATOR RALPH SCOTT PARKWAY
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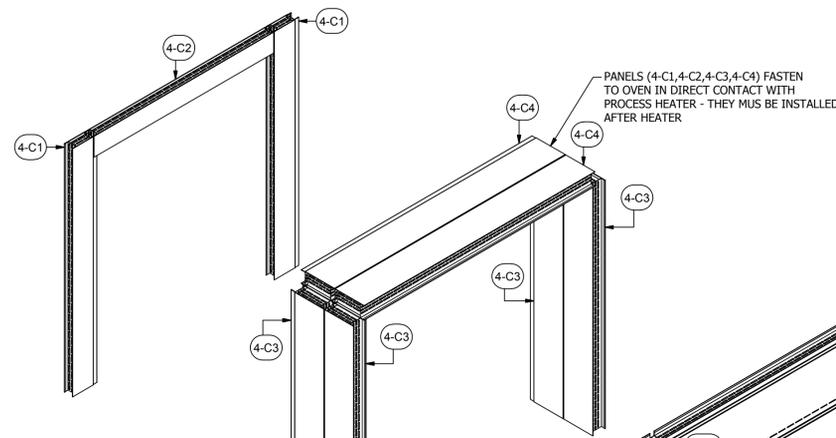
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ASSEMBLY
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EQUIP. NO:
POHT-WP-4.5-21.5-50
SHEET NO:

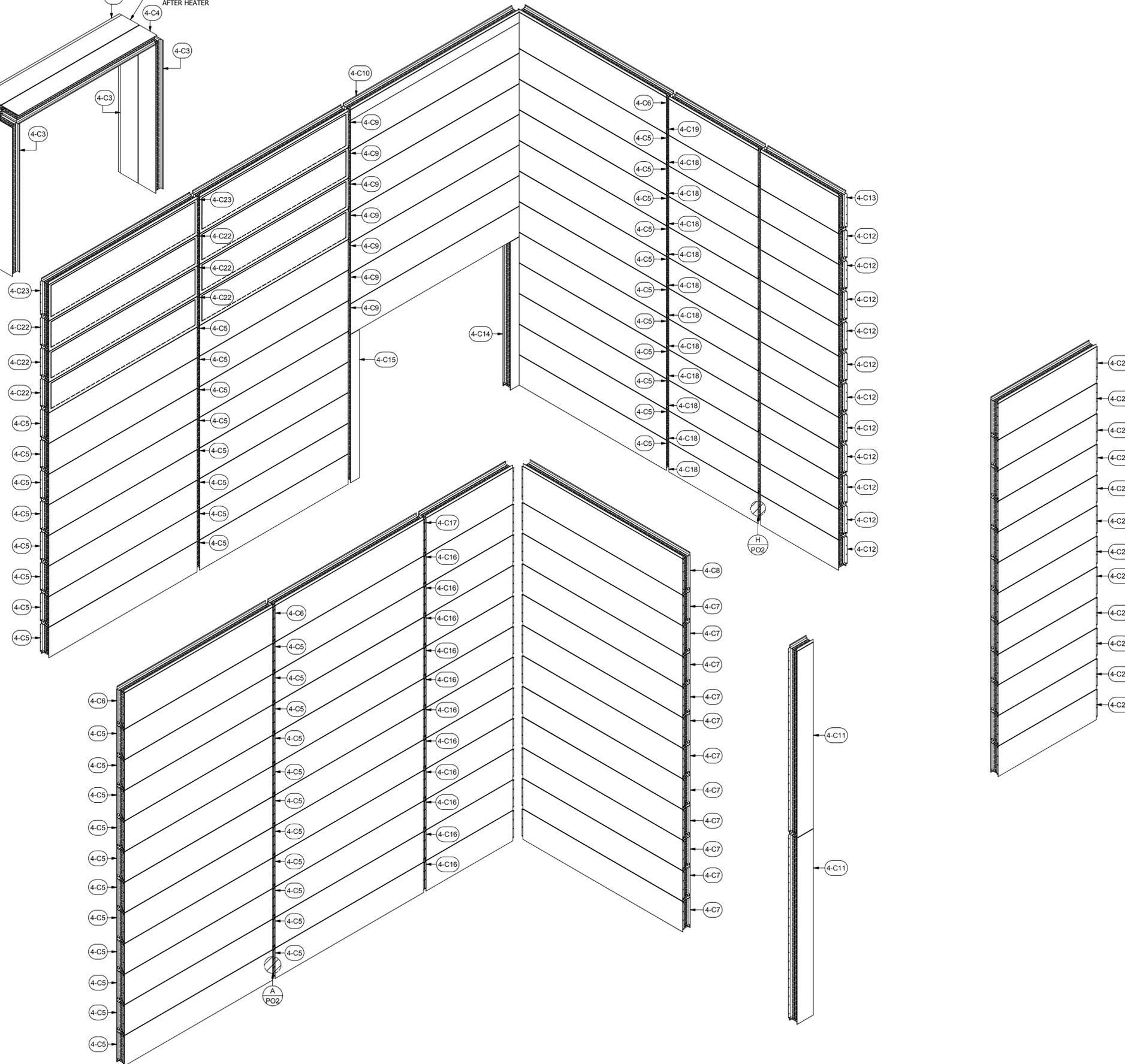
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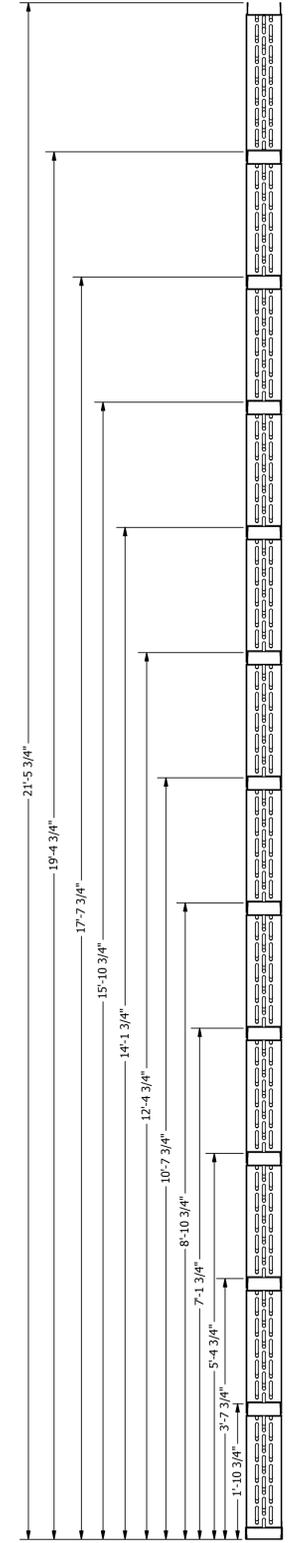


NOTE:

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

DRAWING TITLE:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

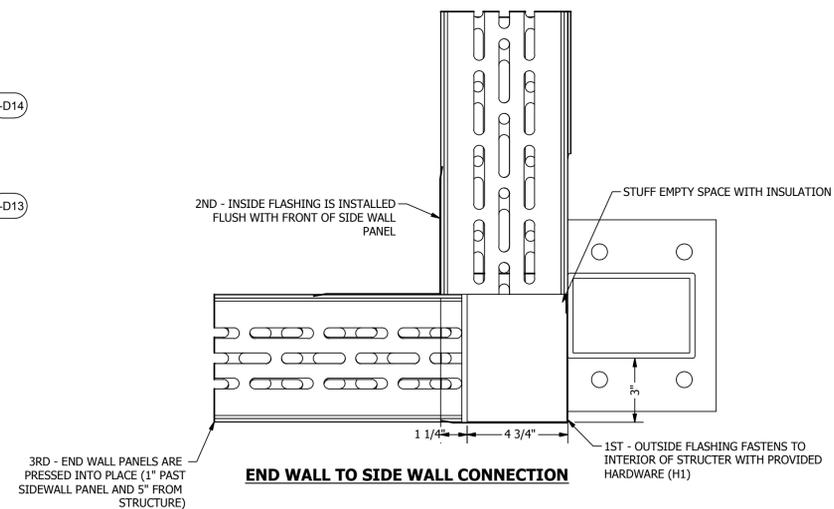
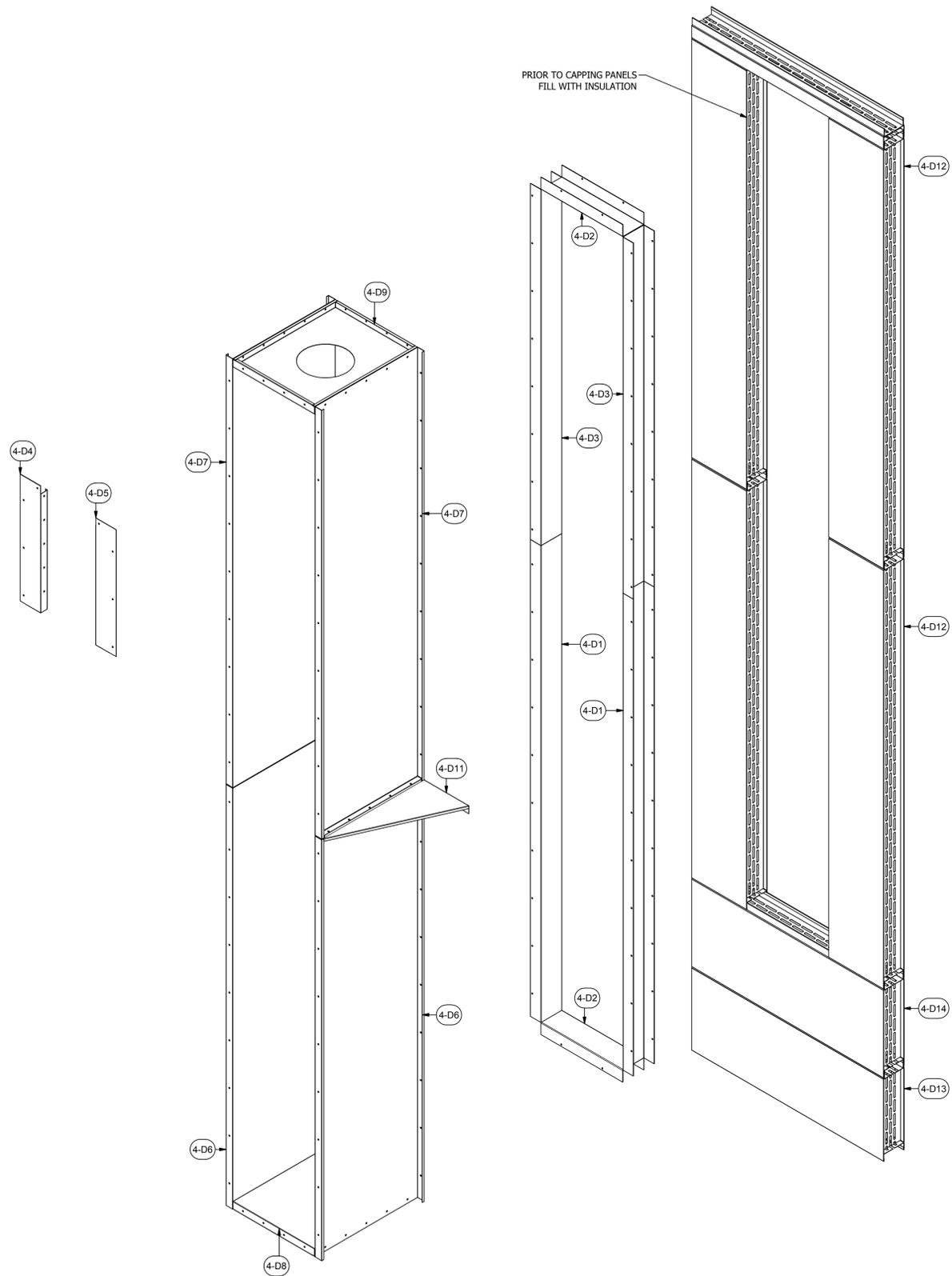
JOB NO:
 R2016151
 EQUIP. NO:
 POHT-WP-4.5-21.5-50

SHEET NO:
4.3

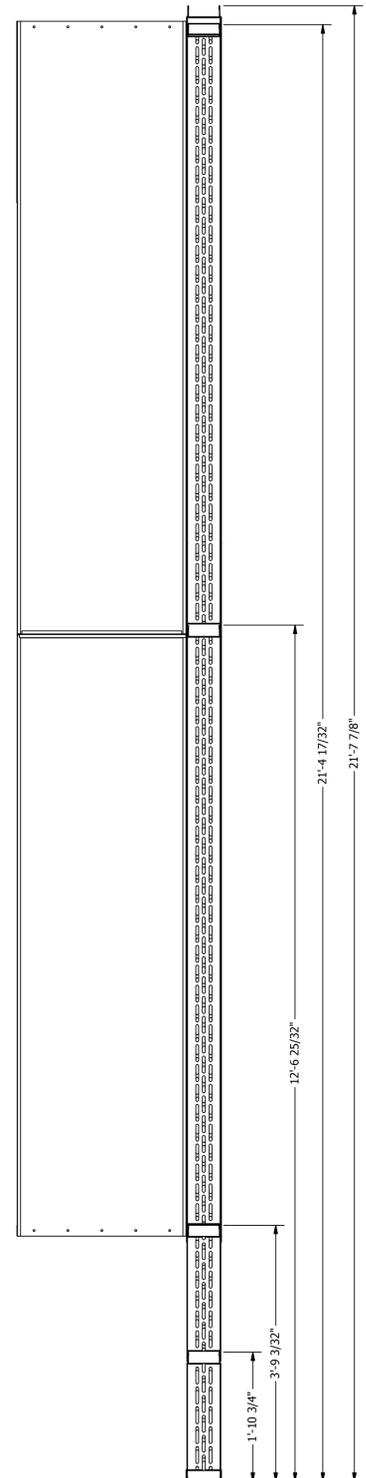
ROHNER MECHANICAL, INC.
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 SUITE 102
 WACO, TX 76798
 (800) 885-7611 VOICE
 (817) 870-1000 FAX
 WA LIC # R000000151
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM

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	(12N100)HWZ #12 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" x 48" 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
 CHECKED BY: DGR

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 EXPLODED ISOMETRIC ASSEMBLY DRAWING

DWG NO:
 R2016151
 EQUIP. NO:
 POHT-WP-4.5-21.5-50

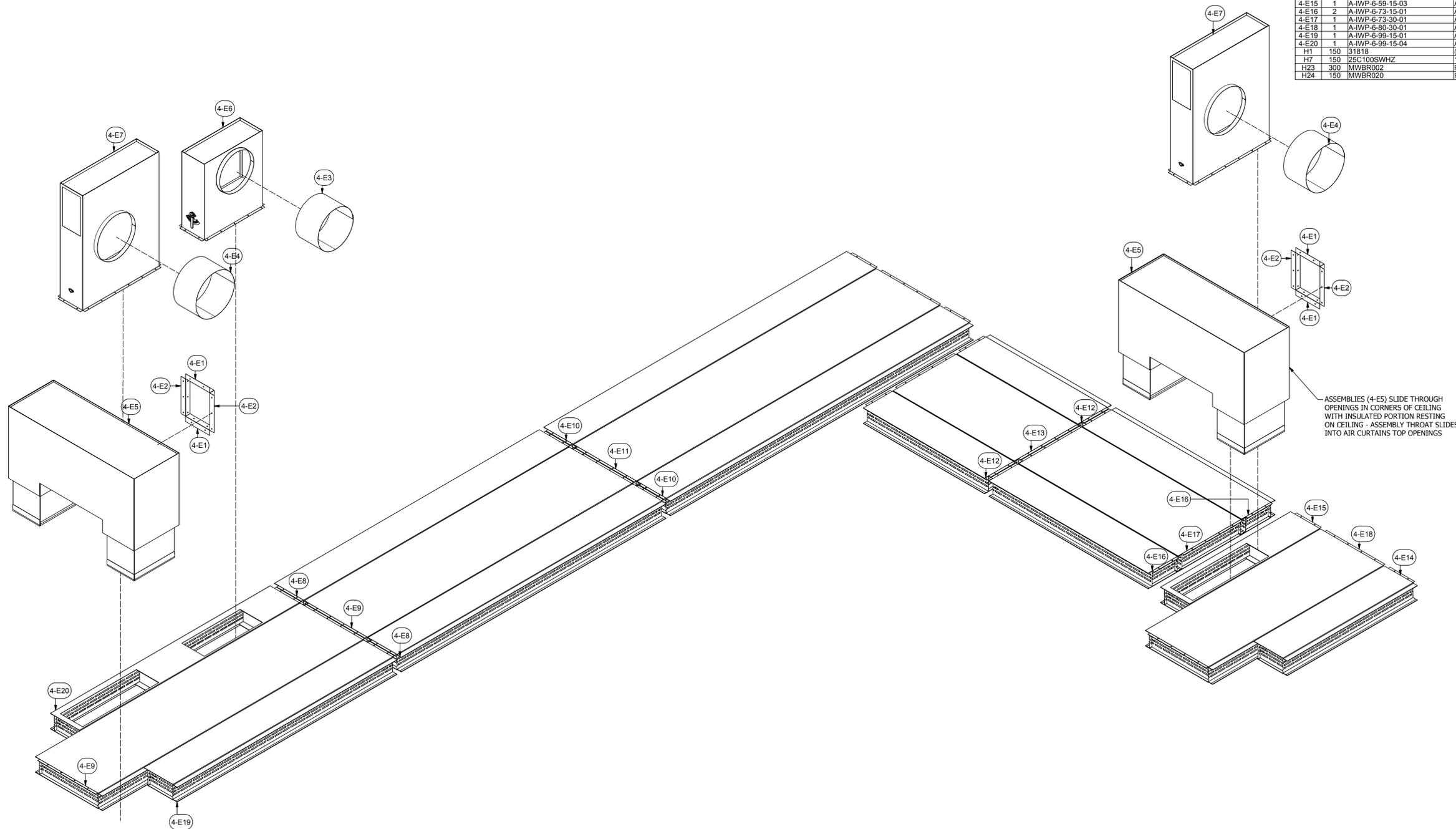
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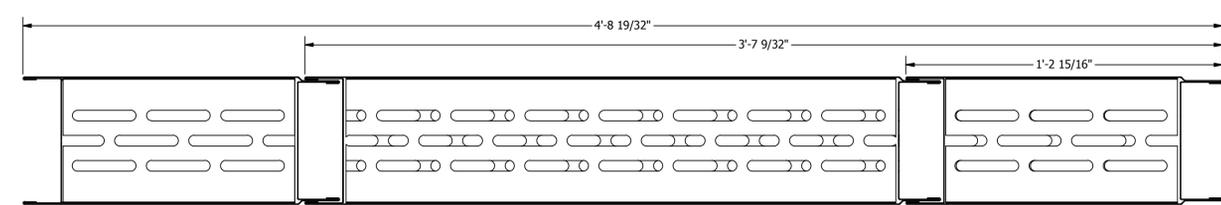
NOTE:

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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	(12N100UH-WZ) #12 Tek's, 5/16x1
H7	150	25C100SWHZ	1/4-20x1" Self-drilling Screw
H23	300	MWBR002	RHT80 8# 2" x 24" x 48" insulation
H24	150	MWBR020	RHT80 8# 1" x 24" x 48" insulation



ASSEMBLIES (4-E5) SLIDE THROUGH OPENINGS IN CORNERS OF CEILING WITH INSULATED PORTION RESTING ON CEILING - ASSEMBLY THROAT SLIDES INTO AIR CURTAINS TOP OPENINGS



ROHNER MECHANICAL, INC.
 2650 W. ANDERSON RD.
 SUITE 102
 WACO, TX 76798
 (817) 885-7411 VOICE
 WA, LIC # R00961015.H
 OR, LIC # 135549
 CA# 792654
 WWW.ROHNERUSA.COM



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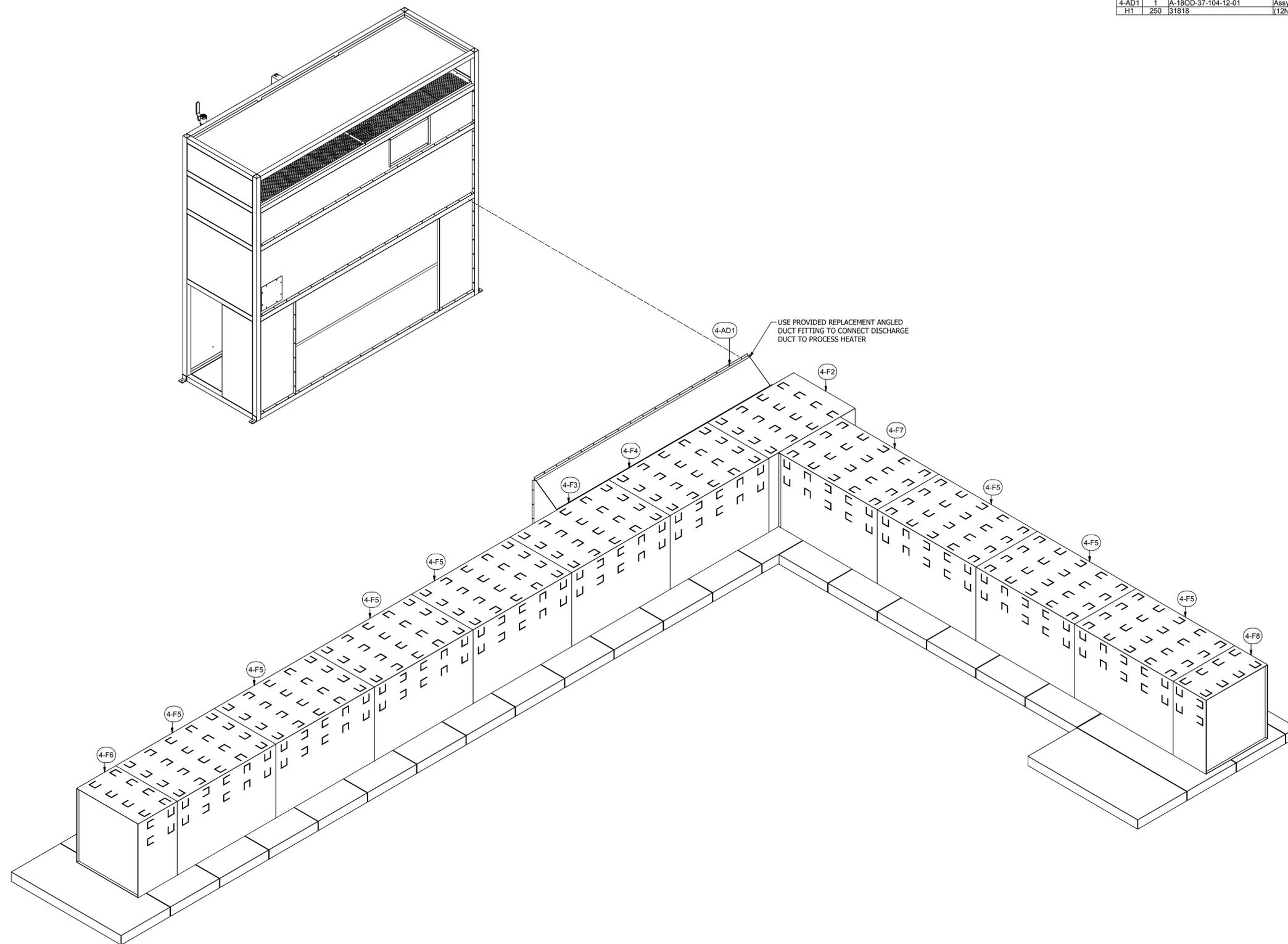
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JOB NO:
 R2016151
 EQUIP. NO:
 POHT-WP-4.5-21.5-50
 SHEET NO:

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 TekS, 5/16x1	



ROHNER MECHANICAL, INC.
 2650 W. ANDERSON RD.
 SUITE 102
 WANCOURT, WA 98661
 (360) 885-7611 VOICE
 WA LIC # R009600151
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 CA# 792654
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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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JOB NO:
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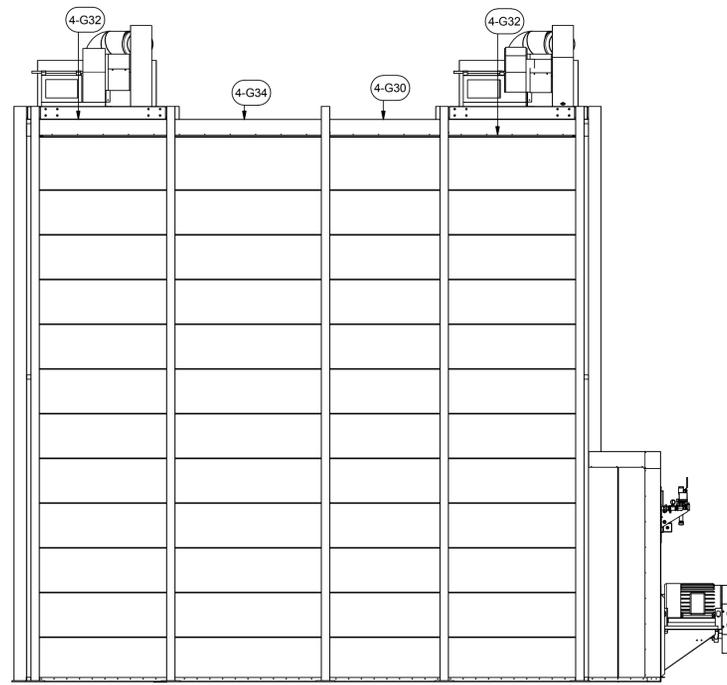
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SHEET NO:

4.6

NOTE:

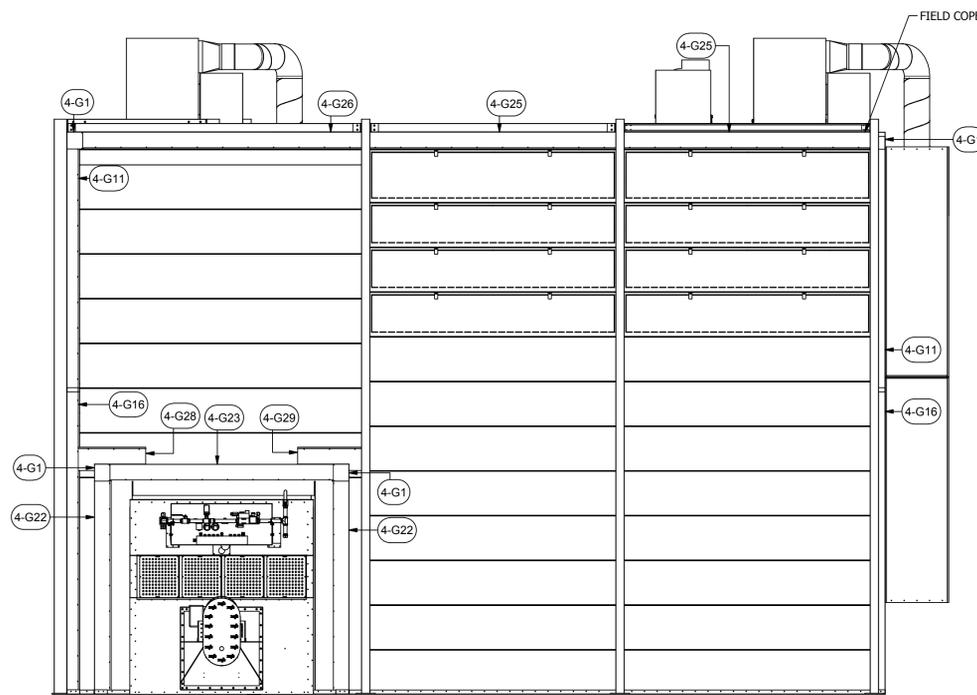
- EXTERIOR FLASHING FASTENS TO OVEN WITH PROVIDED HARDWARE (H1) 12" O.C.
- SOME FLASHING WILL REQUIRE FIELD COPING



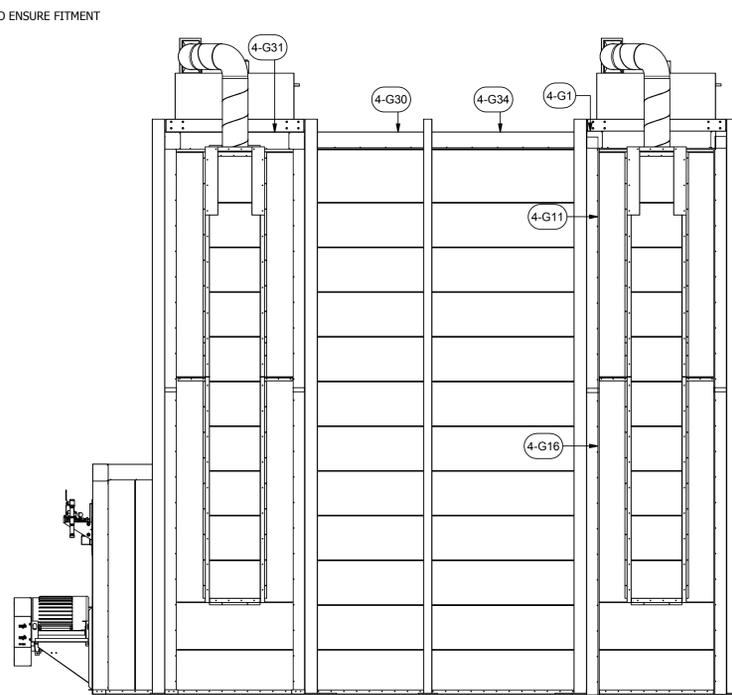
REAR VIEW

		PARTS LIST	
ITEM	QTY	PART NUMBER	DESCRIPTION
4-G1	8	20RI-CCA-8-8-8-02	20 ga Rigid Insulation- 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-8-108-01	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-8-8-111-01	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	MMBR002	RHT80 8# 2" x 24" x48" insulation

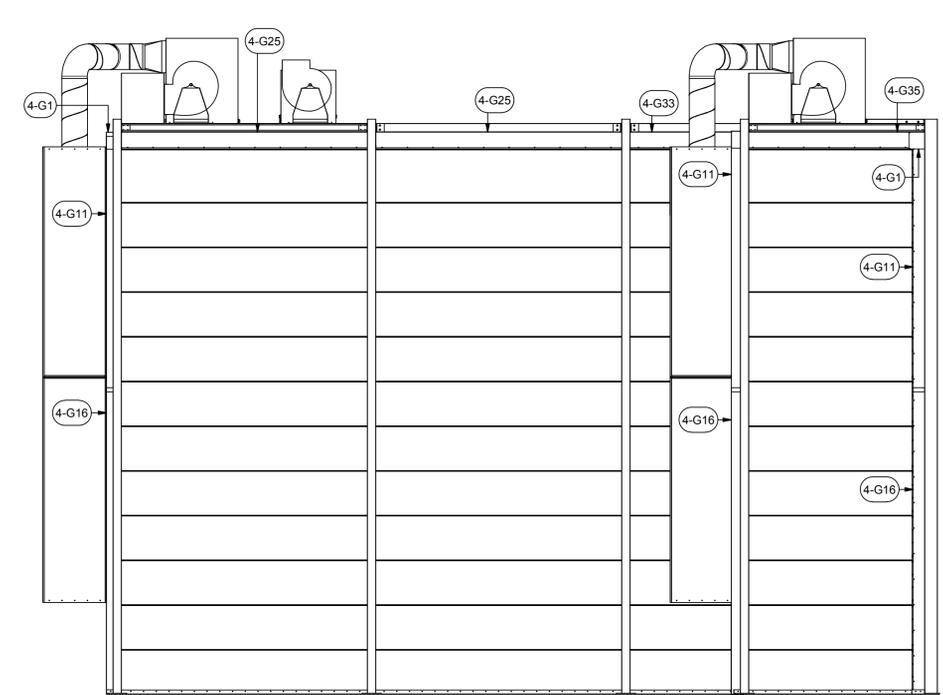
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 WACO, TX 76798
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 (817) 865-7641 FAX
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LEFT VIEW



FRONT VIEW



RIGHT VIEW

EXTERIOR FLASHING

A INDUSTRIAL CURE OVEN HIGH-TEMPERATURE FOR:
PRESCIENT
 2125 SENATOR RALPH SCOTT PARKWAY
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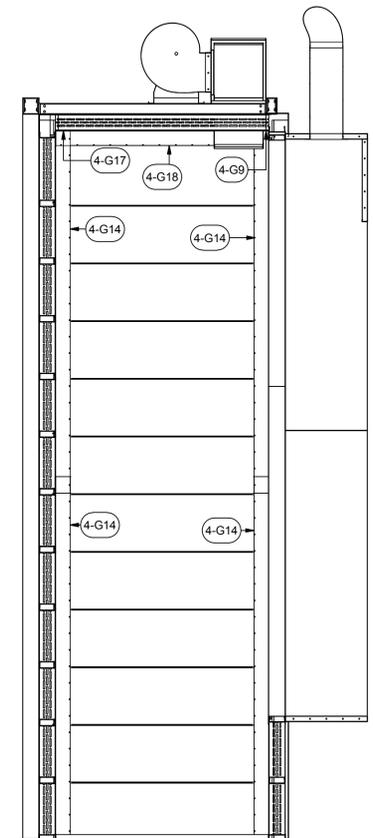
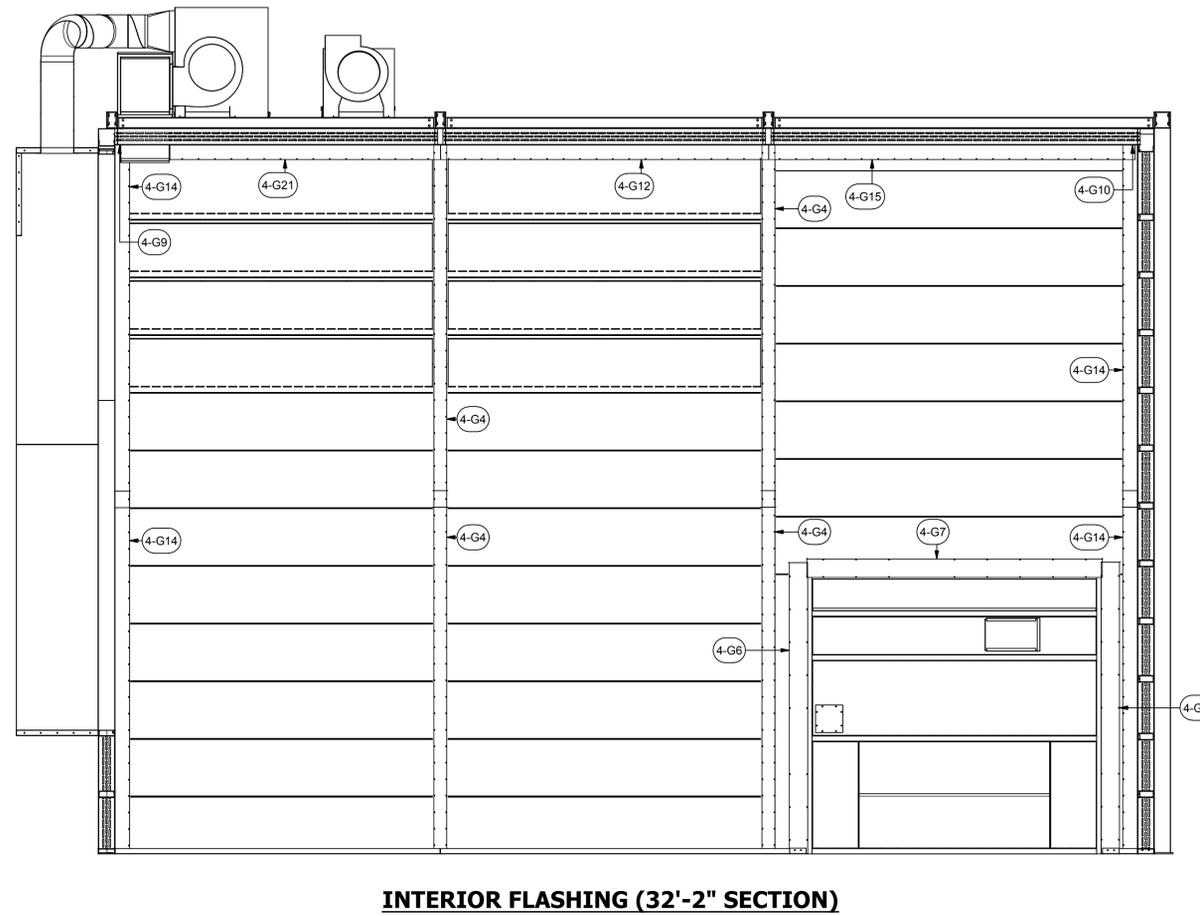
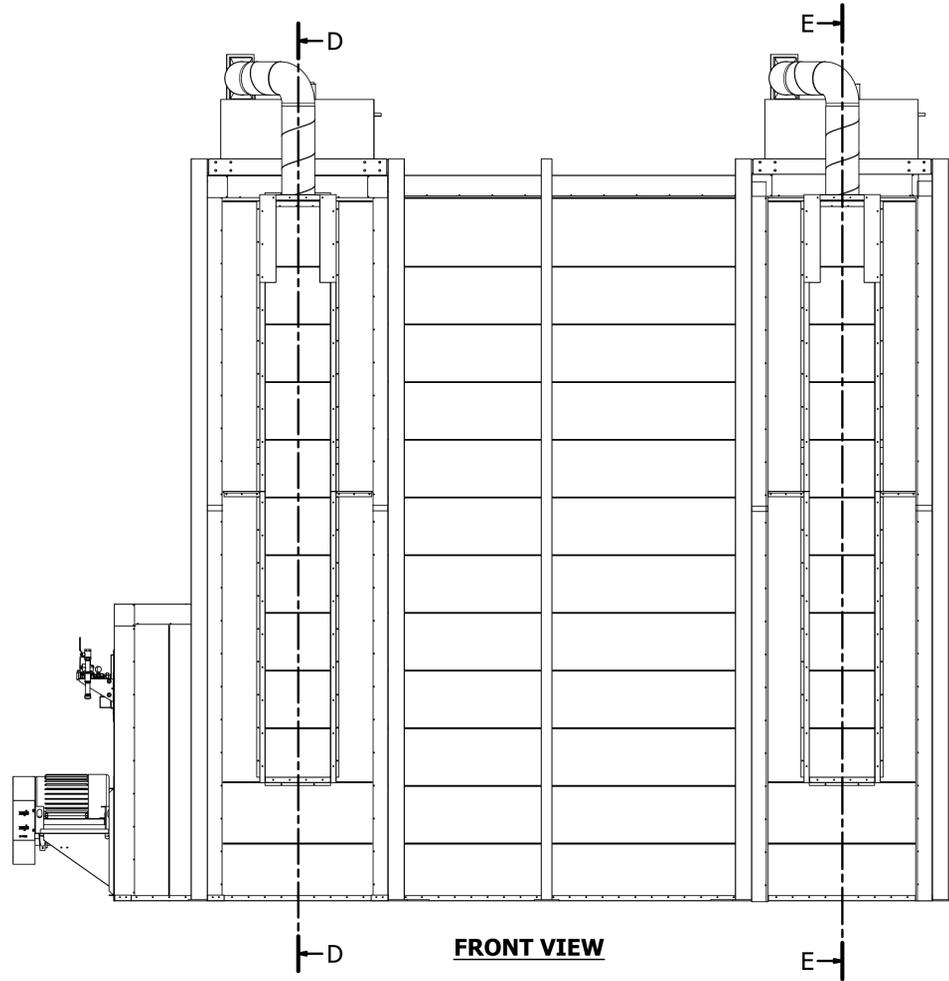
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NOTE:

- 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-10-65-01	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-6-6-55-02	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-6-6-61-02	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-8-8-111-01	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 Tekts, 5/16x1
H23	600	MWBR002	RHT80 8# 2" x 24" x48" 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
 REV: 16.1 - 12/28/16
 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:

4.7a

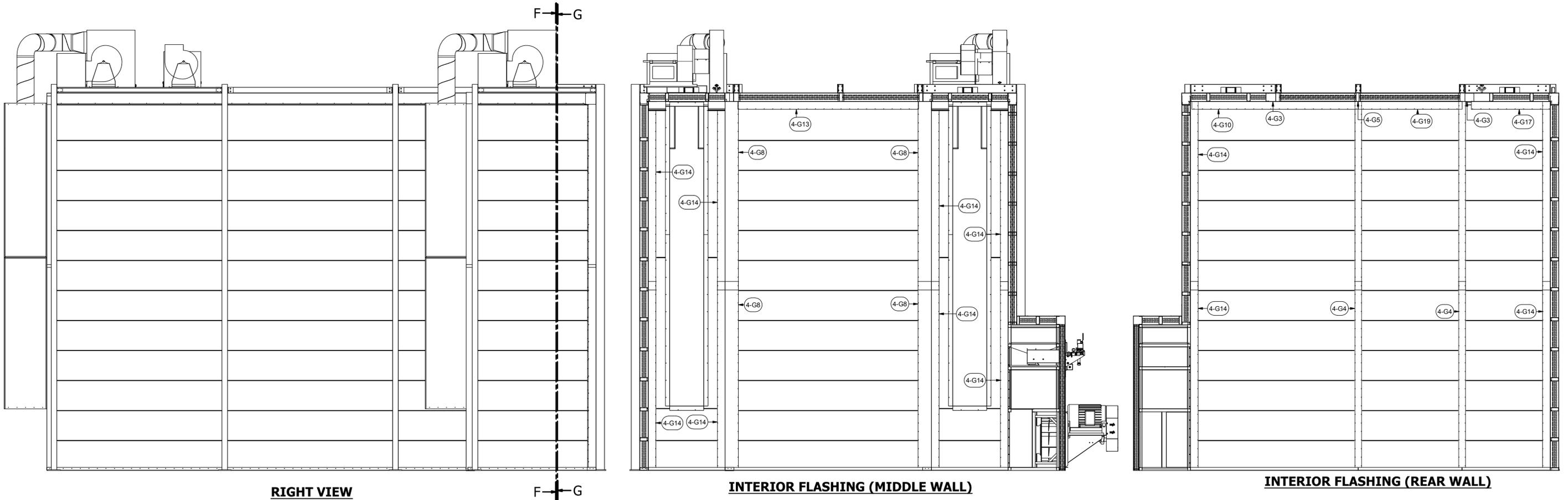
ROHNER MECHANICAL, INC.
 205 S. BAKER RD.
 SUITE 102
 WACO, TX 76798
 (817) 865-7611 VOICE
 (817) 865-7611 FAX
 WA, LLC # 0098400151
 OR, LLC # 135549
 CA # 792654
 WWW.ROHNER-USA.COM

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-10-65-01	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-8-8-111-01	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	RHT80 8# 2" x 24" x48" insulation

ROHNER MECHANICAL, INC.
 2050 W. PARKER RD.
 SUITE 102
 WACO, TX 76767
 (817) 885-7611 VOICE
 WA LIC # R009610015H
 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

DRAWING TITLE:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

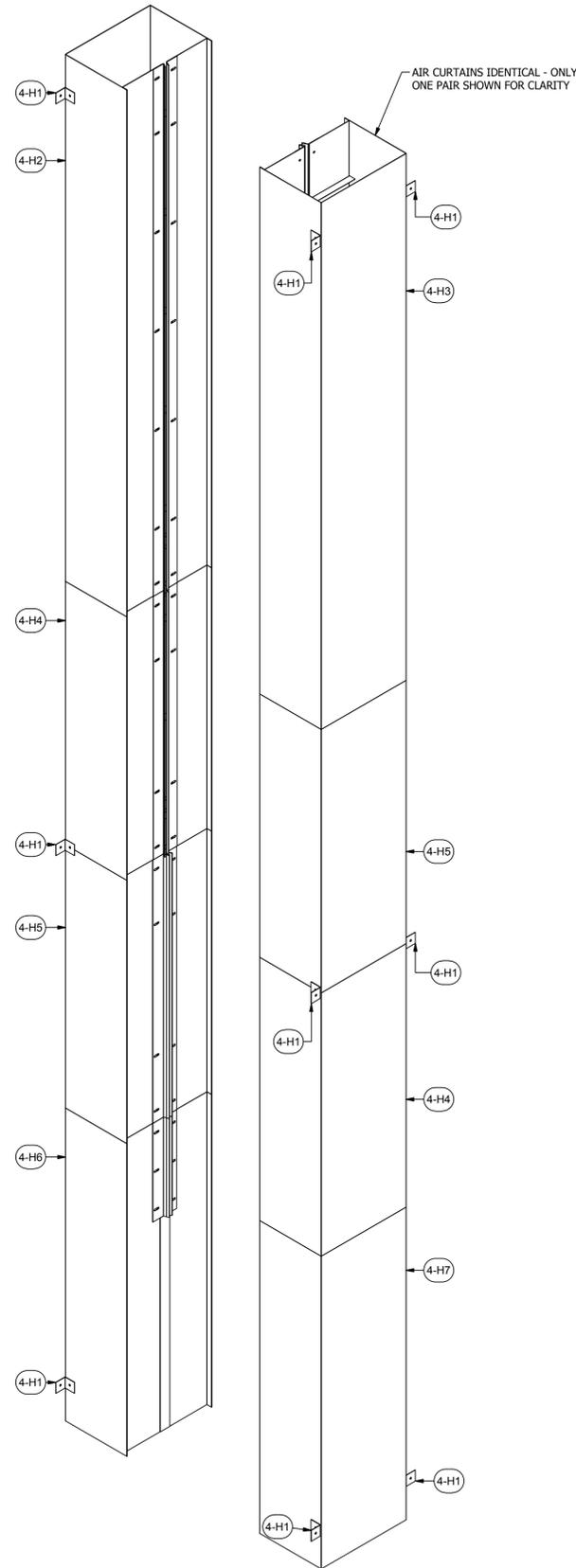
DWG NO: R2016151

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

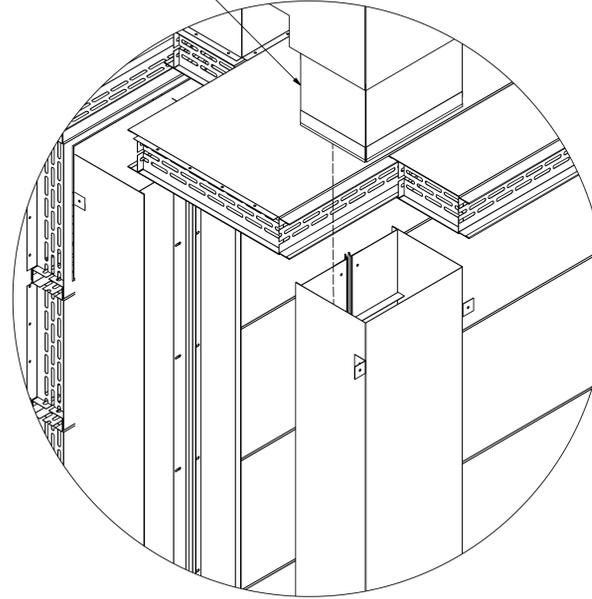
SHEET NO:

4.7b

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
4-H1	24	18A-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 TekS, 5/16x1

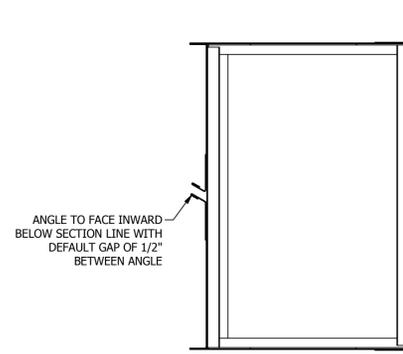
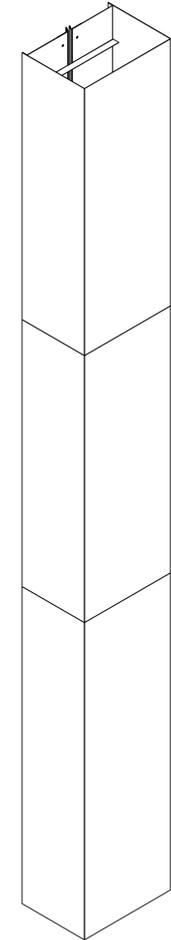
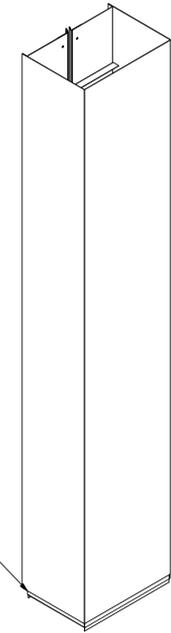


AIR CURTAIN DISCHARGE BOX RESTS ON TOP OF THE CEILING AND INSERTS INTO THE AIR CURTAIN FASTENING AT SEAM WITH PROVIDED TEK SCREWS (H1)

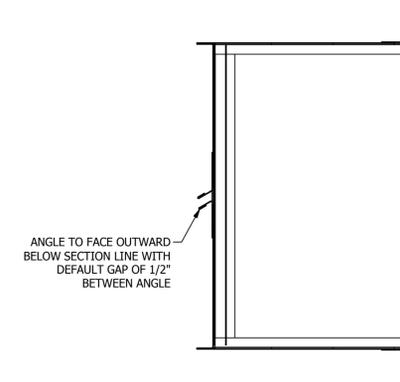


DETAIL 1

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



ABOVE SECTION LINE



BELOW SECTION LINE

DETAIL 3

DETAIL 2

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

DRAWN BY: HGS
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DRAWING TITLE:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

JOB NO:
 R2016151

EQUIP. NO:
 POHT-WP-4.5-21.5-50-01

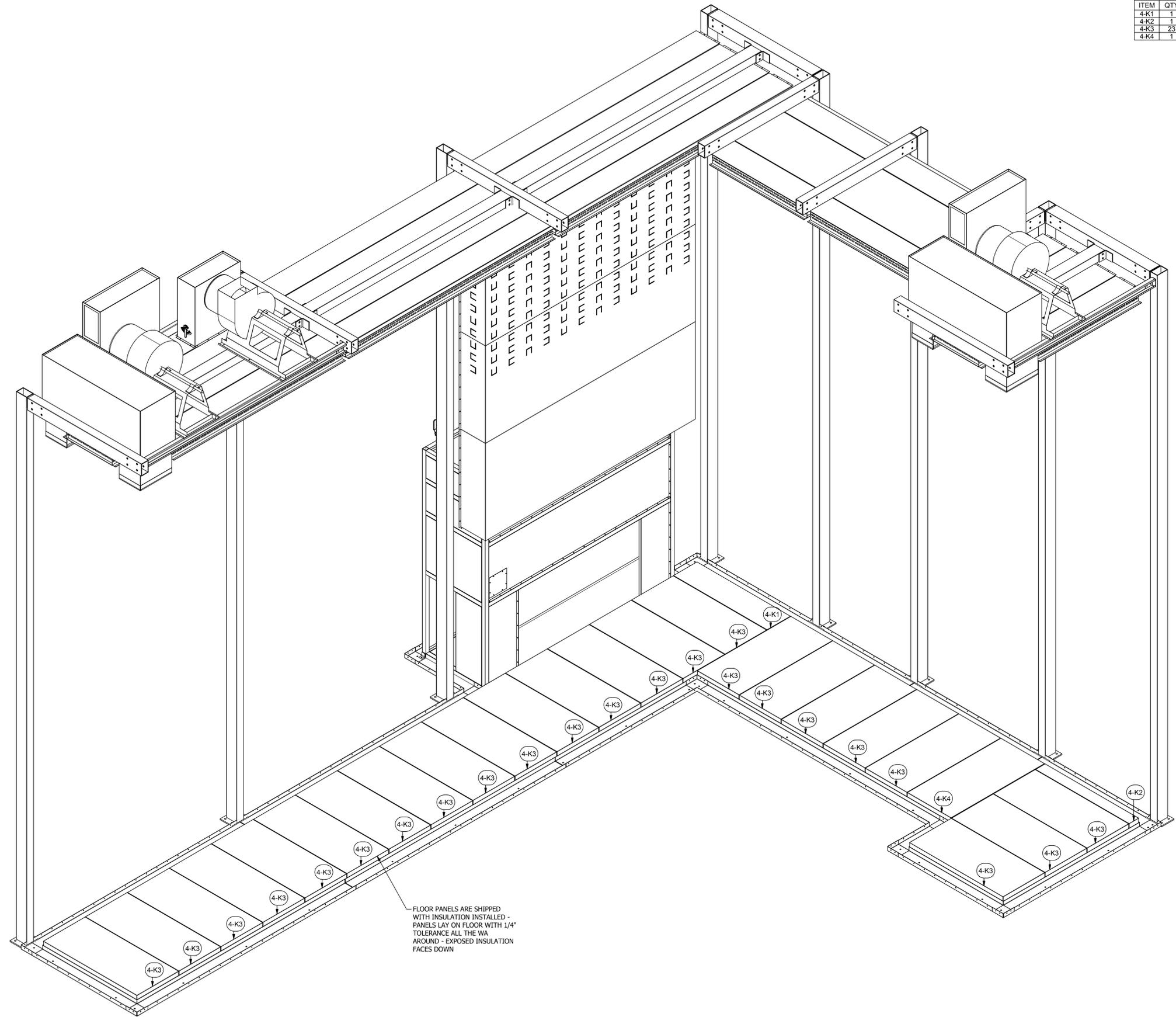
SHEET NO:

4.8



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 SUITE 102
 WACO, TX 76798
 (817) 885-7611 VOICE
 WA L.C. # R049610151
 OR. L.C. # 135549
 CA# 792654
 WWW.ROHNER-USA.COM

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



ROHNER MECHANICAL, INC.
 2650 W. WALKER RD.
 SUITE 102
 WANKOVIER, WA 98661
 (360) 885-7641 VOICE
 WA LIC # RCPHNE00151H
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 CA# 792654
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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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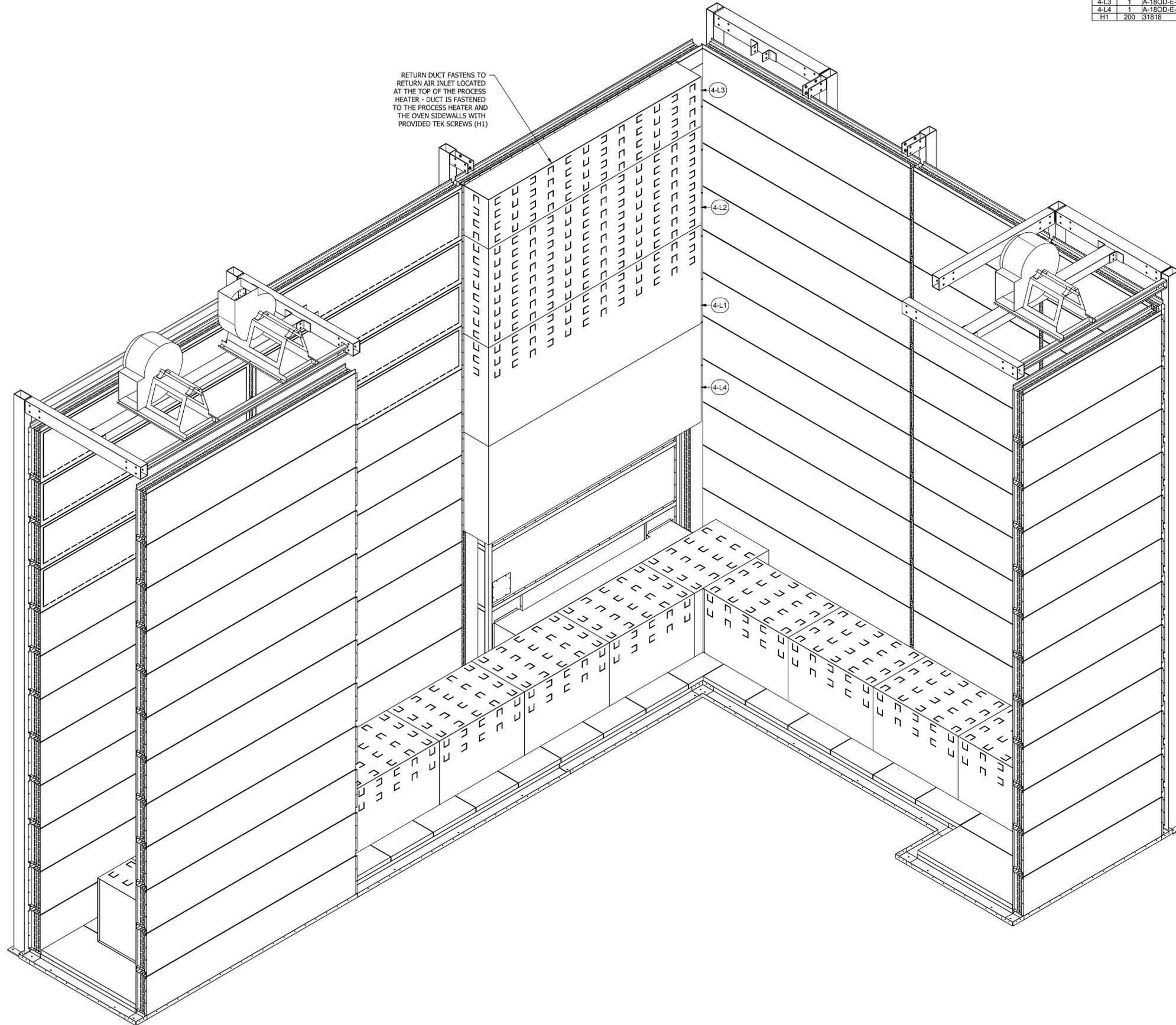
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 EXPLODED ISOMETRIC ASSEMBLY DRAWING

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-180D-14-120-48-01	Assy - Oven Duct	
4-L2	1	A-180D-14-120-48-02	Assy - Oven Duct	
4-L3	1	A-180D-E-14-120-24-01	Assy - Oven Duct End	
4-L4	1	A-180D-E-14-120-48-01	Assy - Oven Duct End	
H1	200	B1818	(12N100JHWZ) #12 Tek's, 5/16x1	



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)

ROHNER MECHANICAL, INC.
 2650 W. ANDERSON RD.
 SUITE 102
 WACONOVUR, WA 98661
 (360) 885-7641 VOICE
 WA LIC # ROPRME00151H
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM



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

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

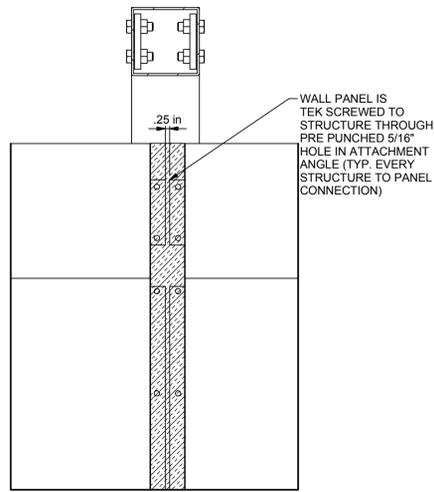
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 EXPLODED
 ISOMETRIC
 ASSEMBLY
 DRAWING

JOB NO:
R2016151

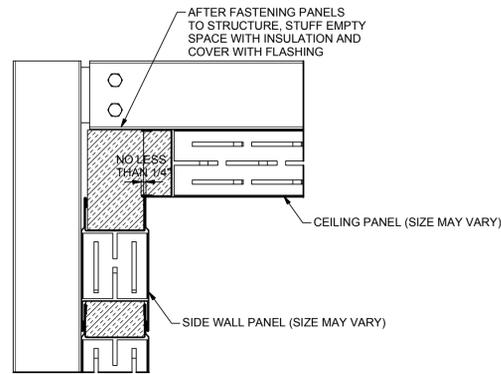
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 POHT-WP-4.5-21.5-50-01

SHEET NO:

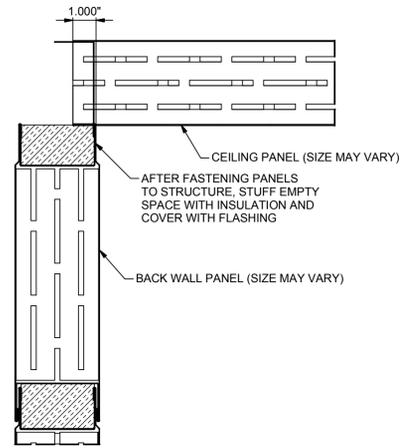
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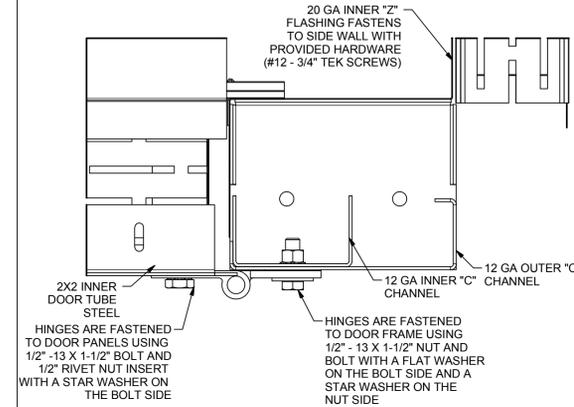
A TYP. PANEL TO STRUCTURE CONNECTION
SCALE: NTS



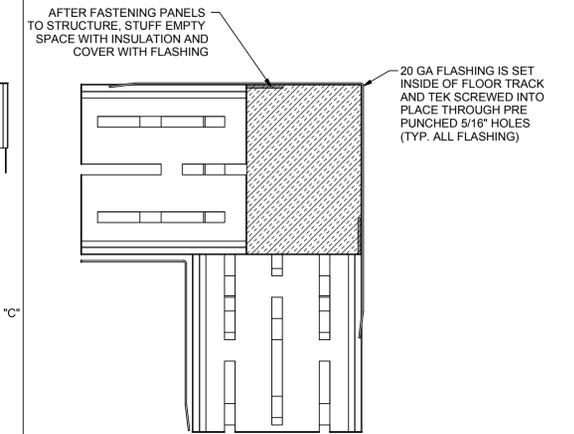
B TYP. CEILING PANEL TO SIDE WALL PANEL
SCALE: NTS



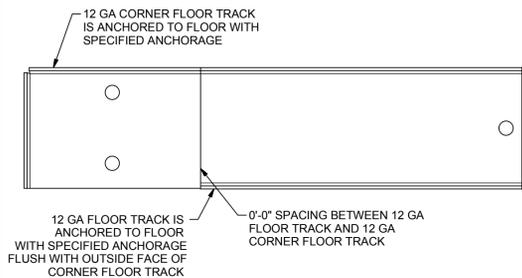
C TYP. CEILING PANEL TO BACK WALL PANEL
SCALE: NTS



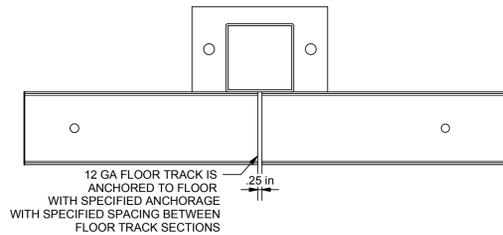
D TYP. PRODUCT DOOR TO PRODUCT DOOR FRAME
SCALE: NTS



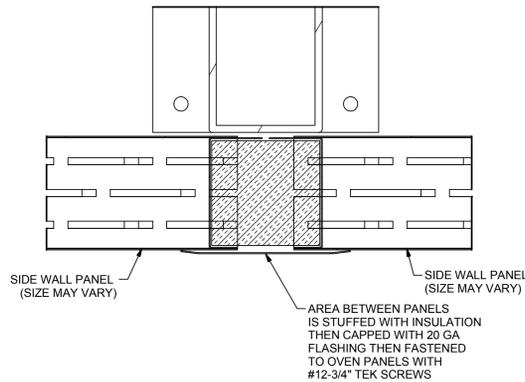
E TYP. FLASHING TO PANEL CONNECTION
SCALE: NTS



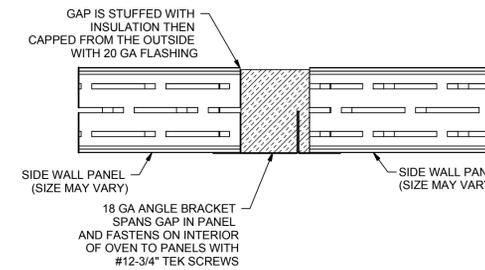
F TYP. FLOOR TRACK TO CORNER FLOOR TRACK CONNECTION
SCALE: NTS



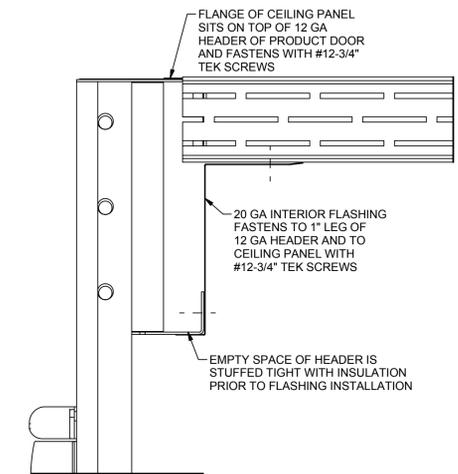
G TYP. FLOOR TRACK TO FLOOR TRACK CONNECTION
SCALE: NTS



H TYP. INTERIOR FLASHING TO PANEL CONNECTION
SCALE: NTS

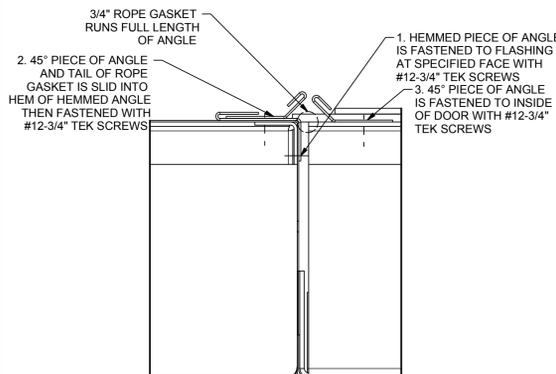


J TYP. ANGLE BRACKET TO PANEL CONNECTION
SCALE: NTS

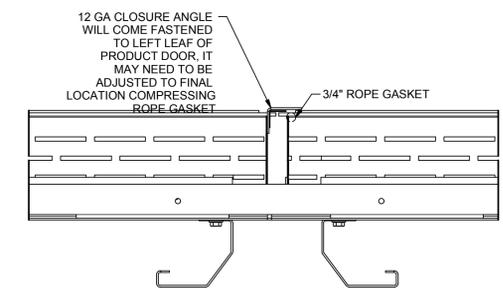


K TYP. INSULATED PRODUCT DOOR TO CEILING CONNECTION
SCALE: NTS

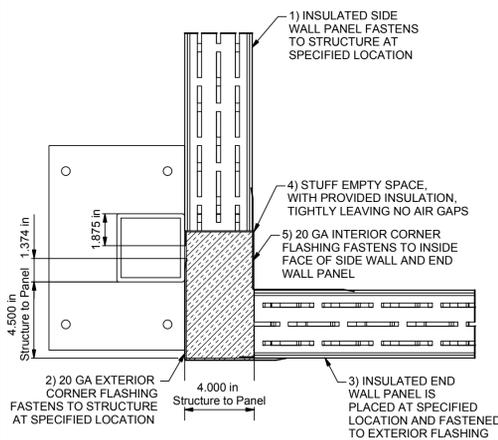
NOTE:
AFTER INITIAL PLACEMENT OF ANGLES, ADJUST TO FINAL LOCATION WHERE ROPE GASKET IS BEING COMPRESSED BETWEEN THE (2) 45° ANGLE PIECE



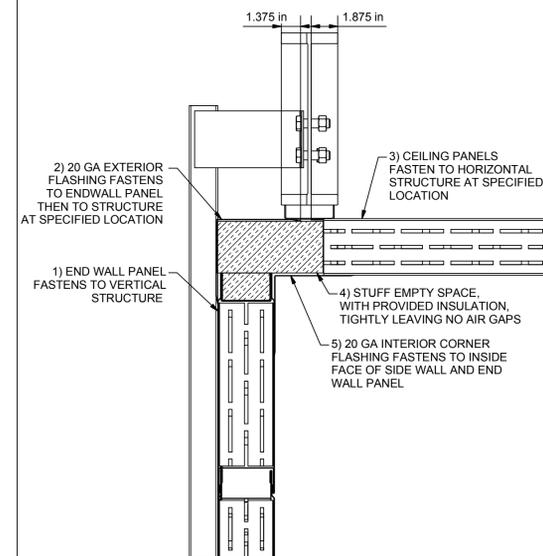
L TYP. INSULATED PRODUCT DOOR TO CLOSURE ANGLE CONNECTION
SCALE: NTS



M TYP. INSULATED PRODUCT DOOR CENTER JAM CONNECTION
SCALE: NTS



N TYP. SIDEWALL TO ENDWALL CONNECTION (NO DOOR)
SCALE: NTS



P TYP. CEILING TO ENDWALL CONNECTION (NO DOOR)
SCALE: NTS

Q TYP. XXX
SCALE: NTS

ROHNER MECHANICAL, INC.
10000 160TH AVENUE, S.W.
SUITE 102
VANCOUVER, WA 98661
(360) 885-7611 VOICE
WA LIC # RCPN000151H
OR. LIC # 135549
CA# 792654
WWW.ROHNER-USA.COM



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

REV: _____
REV: _____
REV: _____
REV: _____

DRAWING TITLE:
PROCESS OVEN HIGH TEMP DETAIL SHEET

DWG NO: ROHNER
DETAIL SHEET

EQUIP. NO: POHT
SHEET NO: _____

P02

90° AIR PICK UP TUBE IS PLACED IN EXHAUST DUCT RUN AT A DISTANCE OF 3 TIMES THE DIAMETER OF THE WHEEL OR AT THE MIDPOINT OF THE DUCT RUN

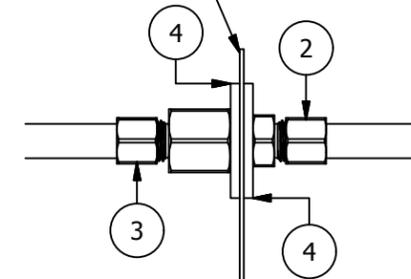
VERTICAL EXHAUST RUN

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 perforations	
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	

EXHAUST FAN SIZE MAY VARY

EXHAUST PLENUM SIZE MAY VARY

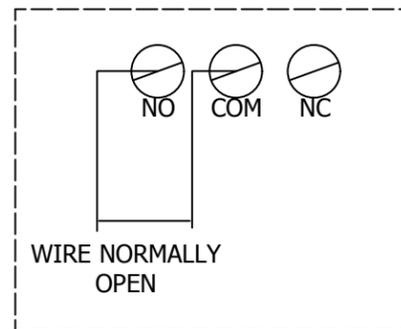
EXHAUST DUCT WALL



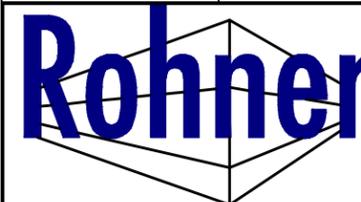
**EXTERIOR TO INTERIOR
TUBE CONNECTION DETAIL**

PRESSURE SWITCH IS MOUNTED IN A VERTICAL ORIENTATION ON THE EXHAUST FAN BASE

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 #	Quantity
	H. Stevens	DR	3/2/2016		



POHT Exhaust switch

Rev:
A

2 STORM COLLARS ARE PROVIDED:
 1. THE DIAMETER OF THE SPIRAL DUCT
 2. THE DIAMETER OF THE ROCKWOOL SLEEVE

ROOF JACK PROVIDED WILL BE
 6" LARGER IN DIAMETER THAN
 THE SPIRAL DUCT

SPIRAL DUCT SIZE IS BASED ON
 EXHAUST FAN CFM

1"
 3"
 1'-0"

ANOTHER SLEEVE IS PLACED
 AROUND THE ROCKWOOL SLEEVE
 AND WILL BE 4" LARGER IN DIAMETER
 THAN THE SPIRAL AND 3' LONG

1"

ROCKWOOL SLEEVE WILL BE
 2" LARGER IN DIAMETER THAN
 SPIRAL DUCT AND 4' LONG

SPIRAL DUCT SIZE IS BASED ON
 EXHAUST FAN CFM

SQUARE TO ROUND TRANSITION
 FITTING ATTACHES AT EXHAUST
 FAN. SIZE WILL VARY DEPENDING
 FAN SIZE AND EXHAUST DUCT DIAMETER

ROHNER MECHANICAL, INC.
 10000 NE ANDRESEN RD.
 2650 SUITE 102
 VANCOUVER, WA 98661
 (360) 885-7641 VOICE
 (360) 885-7641 FAX
 WA LIC # ROPRME00151H
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM



A STANDARD EXHAUST DUCT PACKAGE BY:
ROHNER
 2650 NE ANDRESEN ROAD SUITE 102
 VANCOUVER, WA 98661

DRAWN BY: HGS
 CHECKED BY: DGR

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ISSUED DATE: 5/16/16

REV: 16.1 - 5/16/16
 DESCRIPTION OF CHANGE(S):
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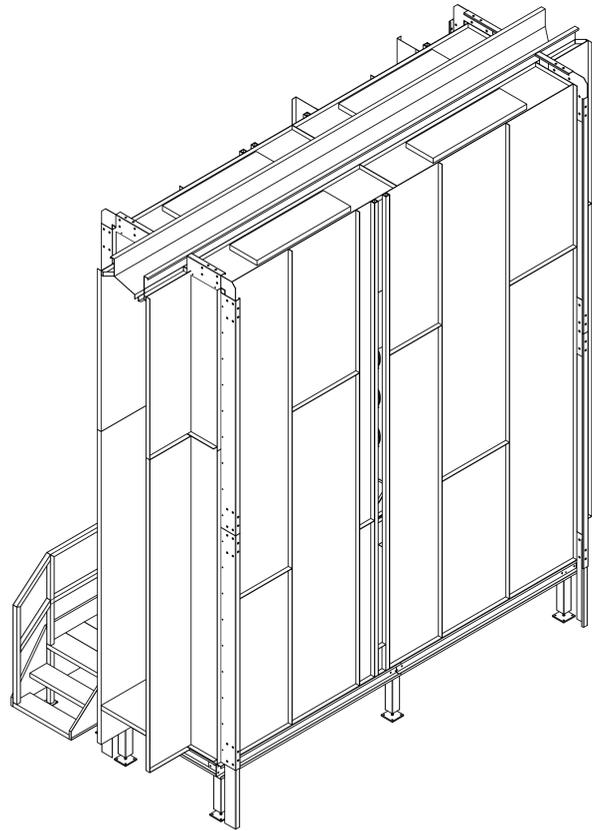
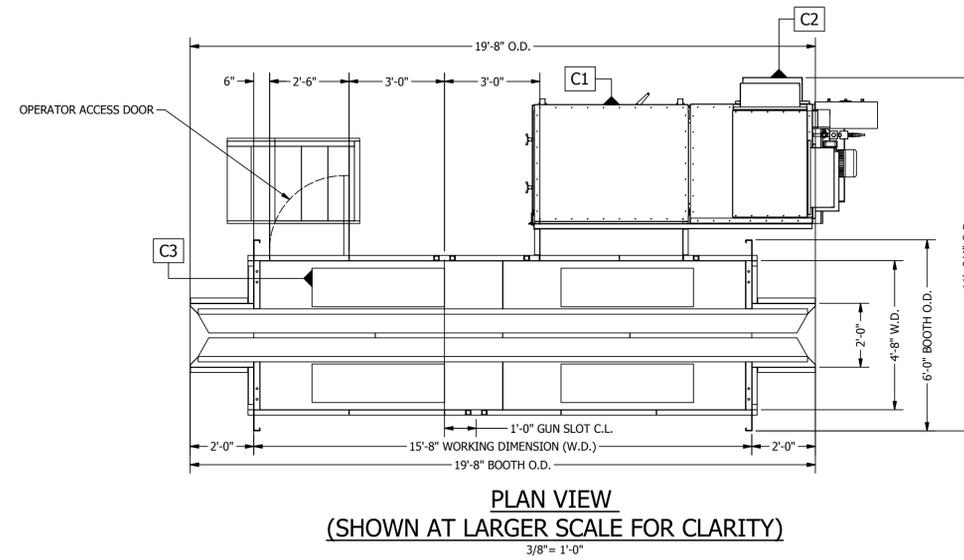
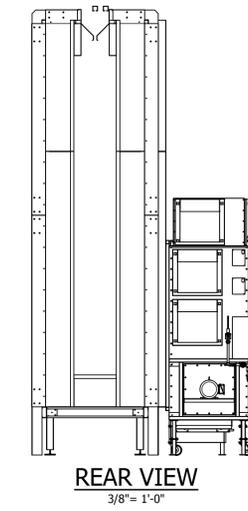
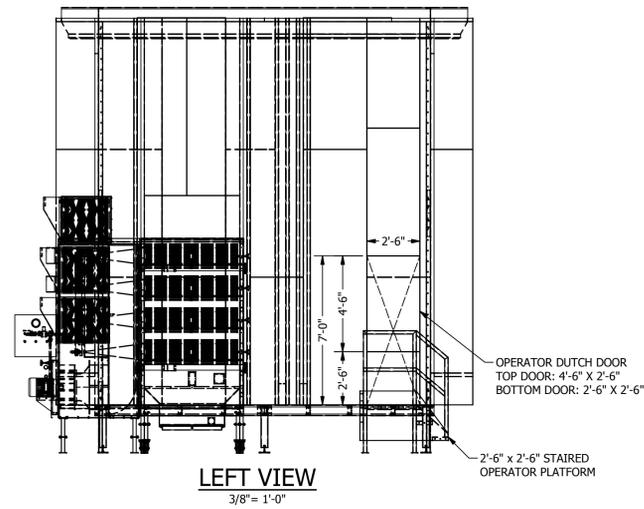
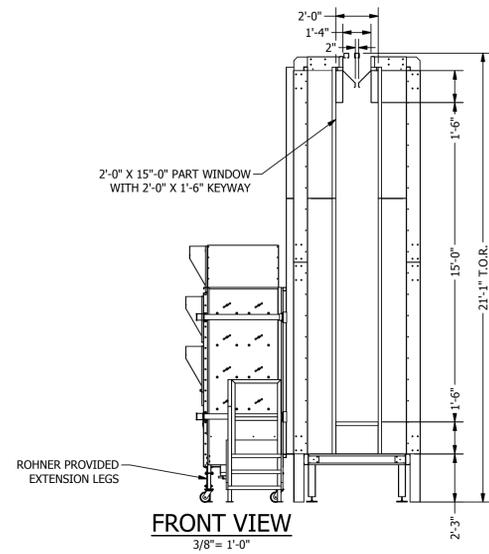
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 ASSEMBLY
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JOB NO: -

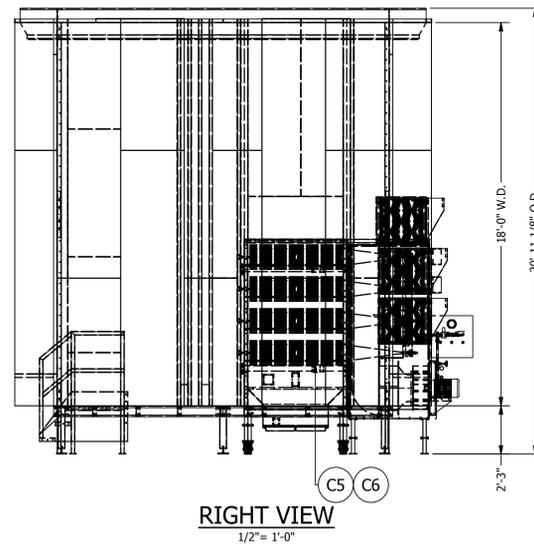
EQUIP. NO: -

SHEET NO: -





ISOMETRIC VIEW
NOT TO SCALE



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 1500# 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 ball 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 TEF C 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/160 back pulse cleaning solenoids pre plumbed and wired.
C3	4 30040-3546 Enclosed Class 1 Div. II UL listed blowers cast inside access light fixture, 1 15V-277V/60Hz.
C4	1 S8SV-B5N1 Standard 3/4" solenoid valve, shipped loose, 120v 16
C5	8 CRCP-130C23M #LP351S66C2391 - Cartridge filter 80/20 Spray-to-Waste (80% cellulose / 20% polyester) - open/closed with ball hole 350-2" pleats, 254 sq ft of surface area
C6	8 CRCP-130C23M #LP351D66C2391 - Cartridge filter 80/20 Spray-to-Waste (80% cellulose/20% polyester) open/open. 350-2" pleats and 254 sq ft of surface area.
ASSEMBLIES	
A1	N/A
A2	N/A
CONTROLS	
CO1	RM-Nema 12 460V/360 Industrial UL listed NEMA 12 control panel with lighting contactor, reclaim transfer pump solenoid and hoper timer control, Dwyer digital back pulse timer dust collector automatic solenoid control, high limit shut down and panel mounted Magnohelic 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

ROHNER MECHANICAL, INC.
1000 W. WILKINSON RD.
2650 W. ADDRESS RD.
SUITE 102
WACO, WA 98661
(360) 885-7641 VOICE
WA LIC # RCPN0010151H
OR LIC # 135549
CA# 792654
WWW.ROHNER-USA.COM



DRAWN BY: HGS
CHECKED BY: DGR

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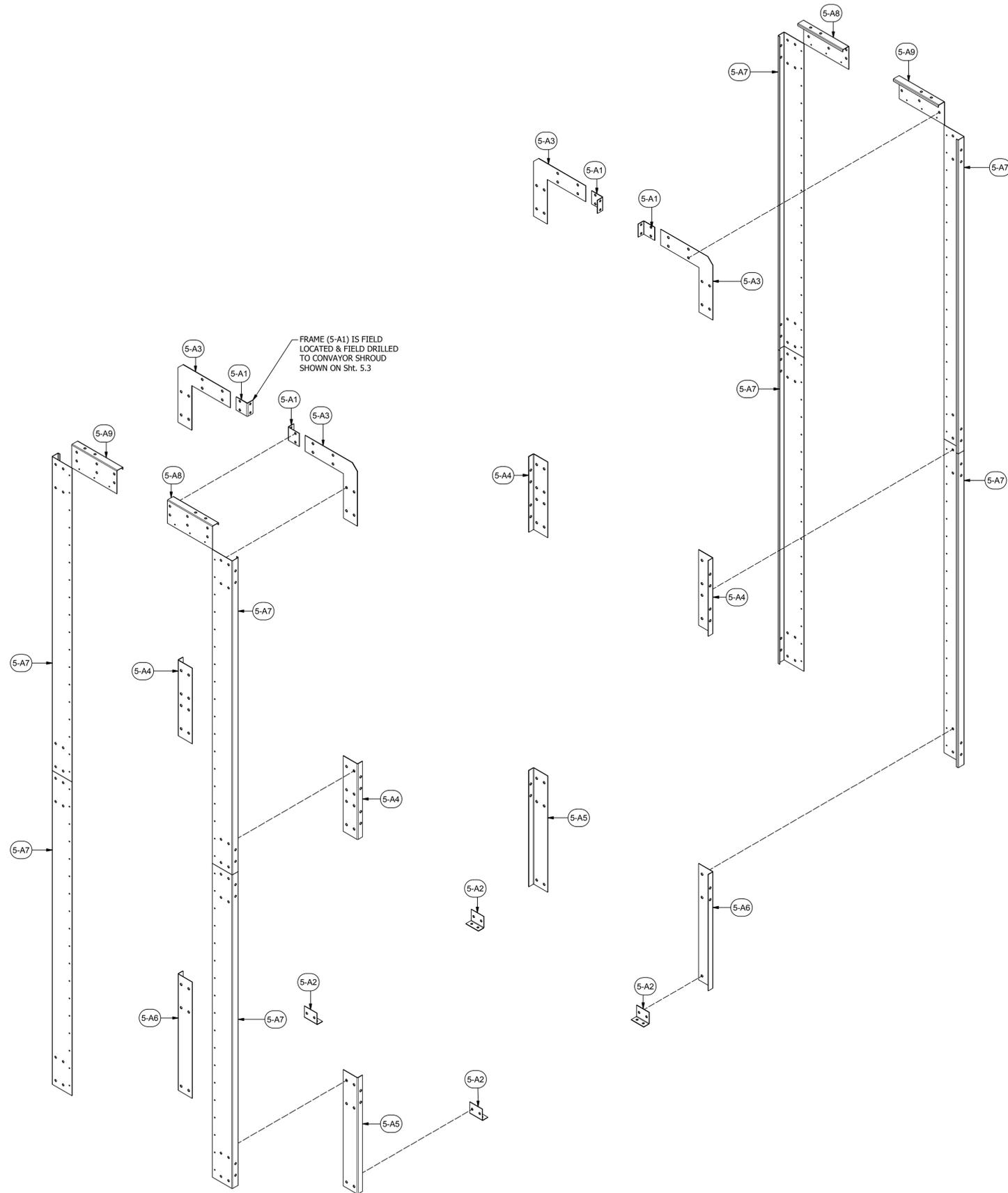
ISSUED DATE: 10/7/16
REV: 16.2 - 02/03/17
DESCRIPTION OF CHANGES:
INITIAL RELEASE
DUTCH DOOR DBMS ADDED

DRAWING TITLE:
FLOOR PLANS/
ELEVATIONS/
SECTIONS

DWG 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	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	



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

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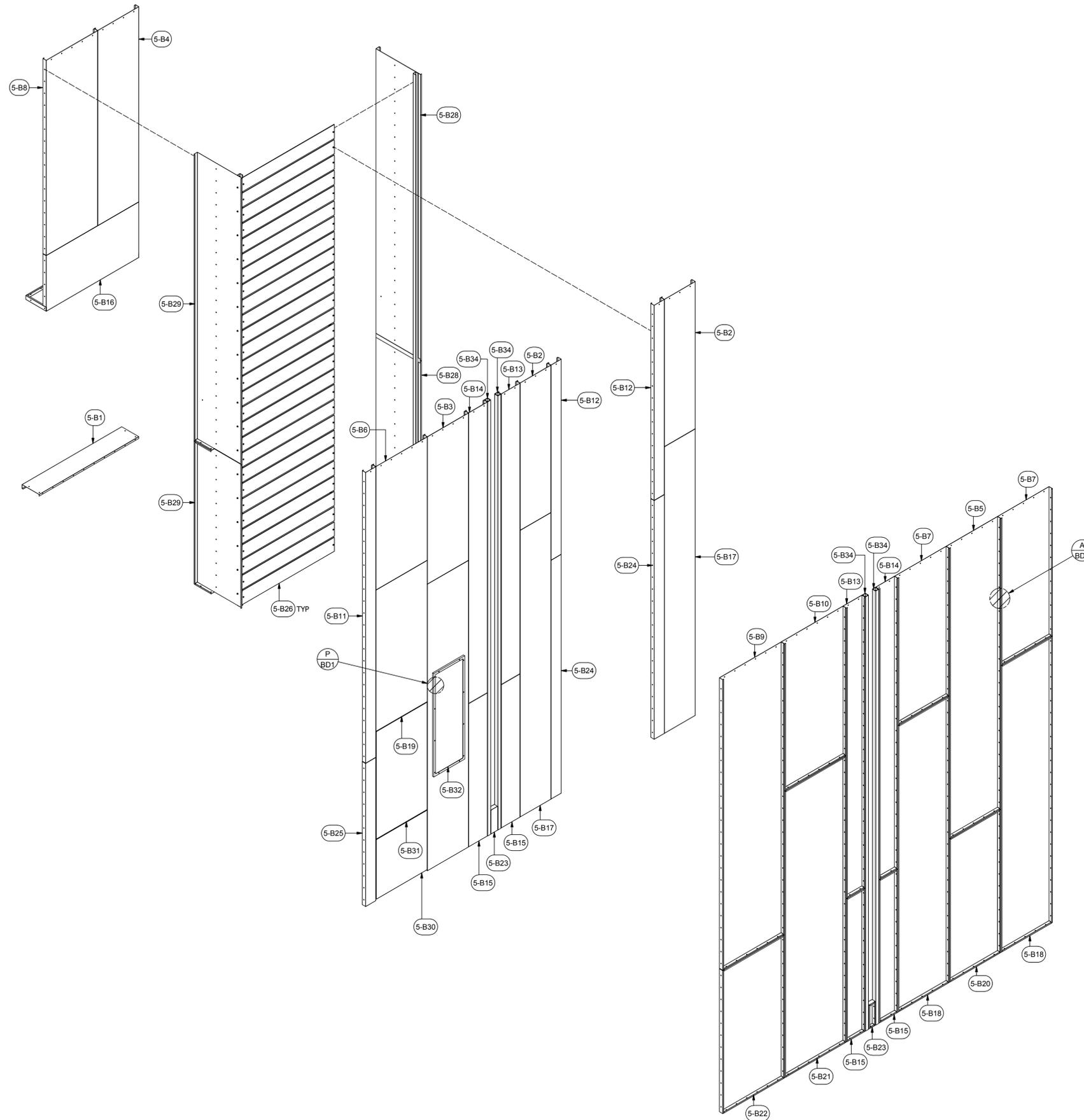
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ISSUED DATE: 01/30/17
 REV: 17.1 - 1/30/17
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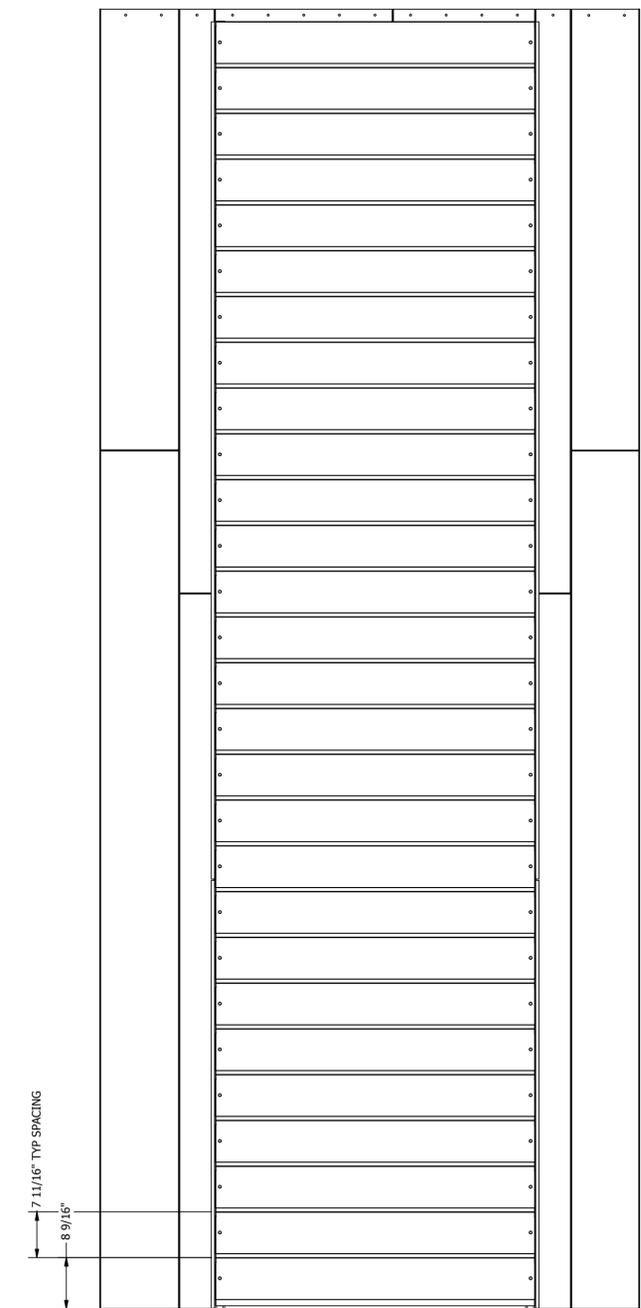
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 EXPLODED
 ISOMETRIC
 ASSEMBLY
 DRAWING

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

ROHRER MECHANICAL, INC.
 2650 W. ANDERSON RD.
 SUITE 102
 WACO, TX 76798
 (817) 885-7611 VOICE
 WA, L.C. # 0096100151
 OR, L.C. # 135549
 CA# 792654
 WWW.ROHRERUSA.COM



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	Z5in 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

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:
 EXPLODED ISOMETRIC ASSEMBLY DRAWING

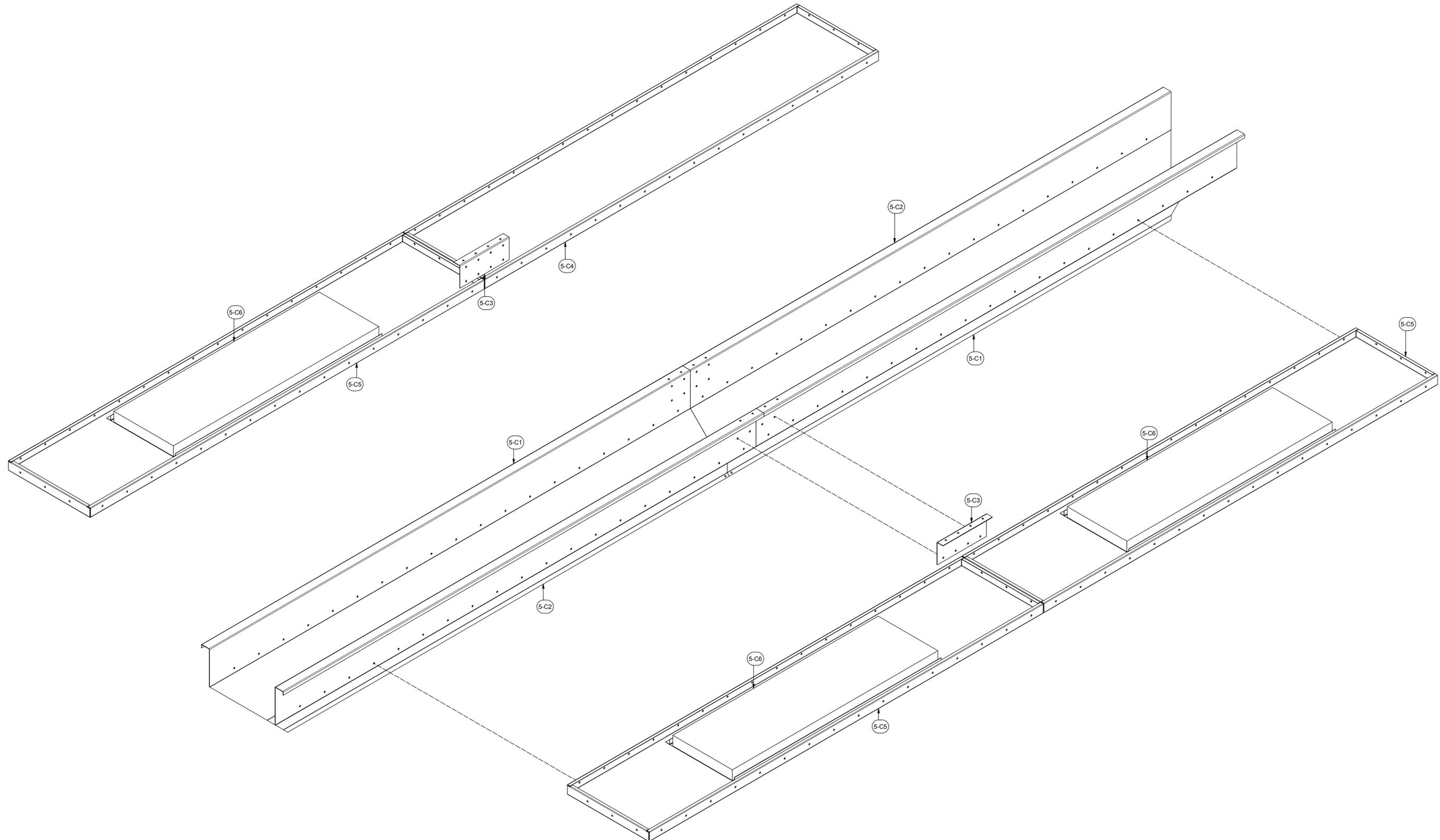
JOB NO:
 R2016151
 EQUIP. NO:
 PBCEF-RM12000-5-18-16
 SHEET NO:

5.2

ROHNER MECHANICAL, INC.
 2650 W. ADDRESS RD.
 SUITE 102
 WACO, WA 98661
 (360) 885-7411 VOICE
 WA LIC # R009610151
 OR LIC # 135549
 CA# 792654
 WWW.ROHNERUSA.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 - Right
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	(12N100JHWZ) #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 W. PARKER RD.
 SUITE 102
 WACO, WA 98661
 (360) 885-7611 VOICE
 WA LIC # R009601051
 OR LIC # 135549
 CA# 792654
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A INDUSTRIAL PROCESS POWDER BOOTH FOR:
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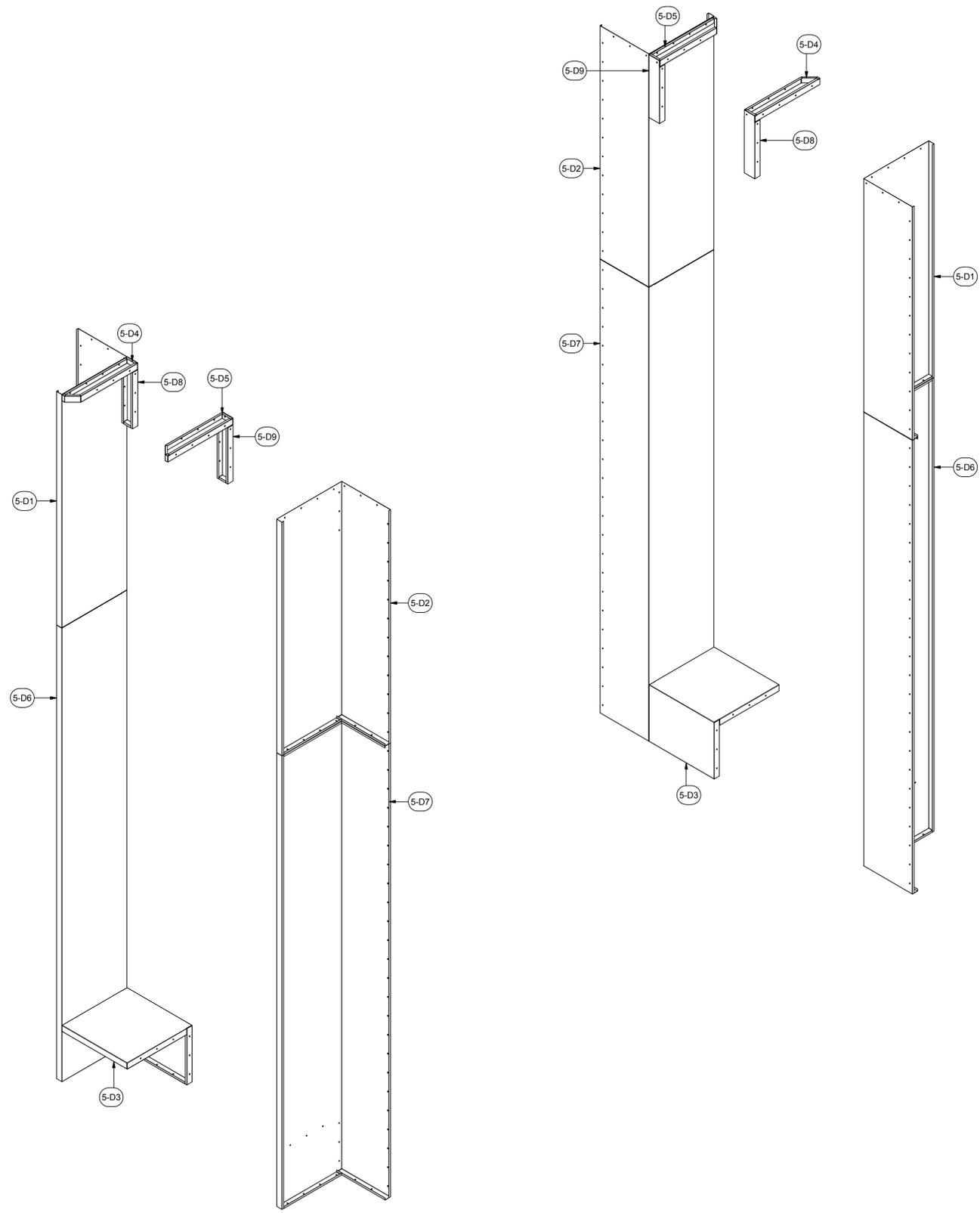
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 Construction Set

DRAWING TITLE:
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 ASSEMBLY
 DRAWING

JOB NO:
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 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)

ROHNER MECHANICAL, INC.
 10800 W. PARKWAY
 2650 W. ADDRESS RD.
 SUITE 102
 WACO, WA 98661
 (360) 885-7611 VOICE
 WA LIC # RCP00010511
 OR LIC # 135549
 CA# 792654
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 MEBANE, NC 27302

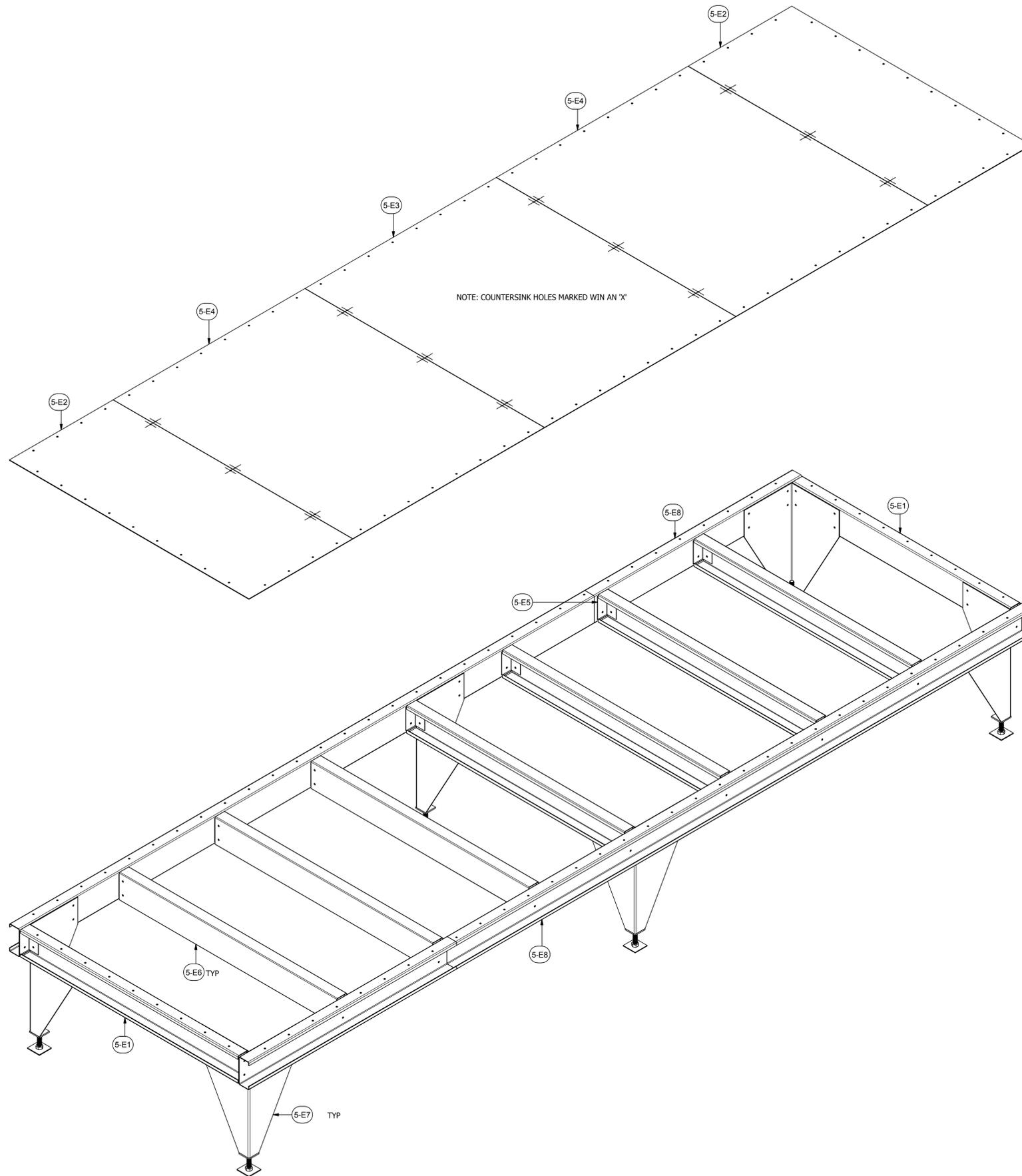
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R2016151
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 PBCEF-RM12000-5-18-16
 SHEET NO:



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-47.89-60-01	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)

ROHNER MECHANICAL, INC.
 2650 W. PARKWAY RD.
 SUITE 102
 WACO, TX 76798
 (817) 865-7611 VOICE
 (817) 865-7611 FAX
 WA LIC # R009610151H
 OR LIC # 135549
 CA# 792654
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A INDUSTRIAL PROCESS POWDER BOOTH FOR:
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 MEBANE, NC 27302

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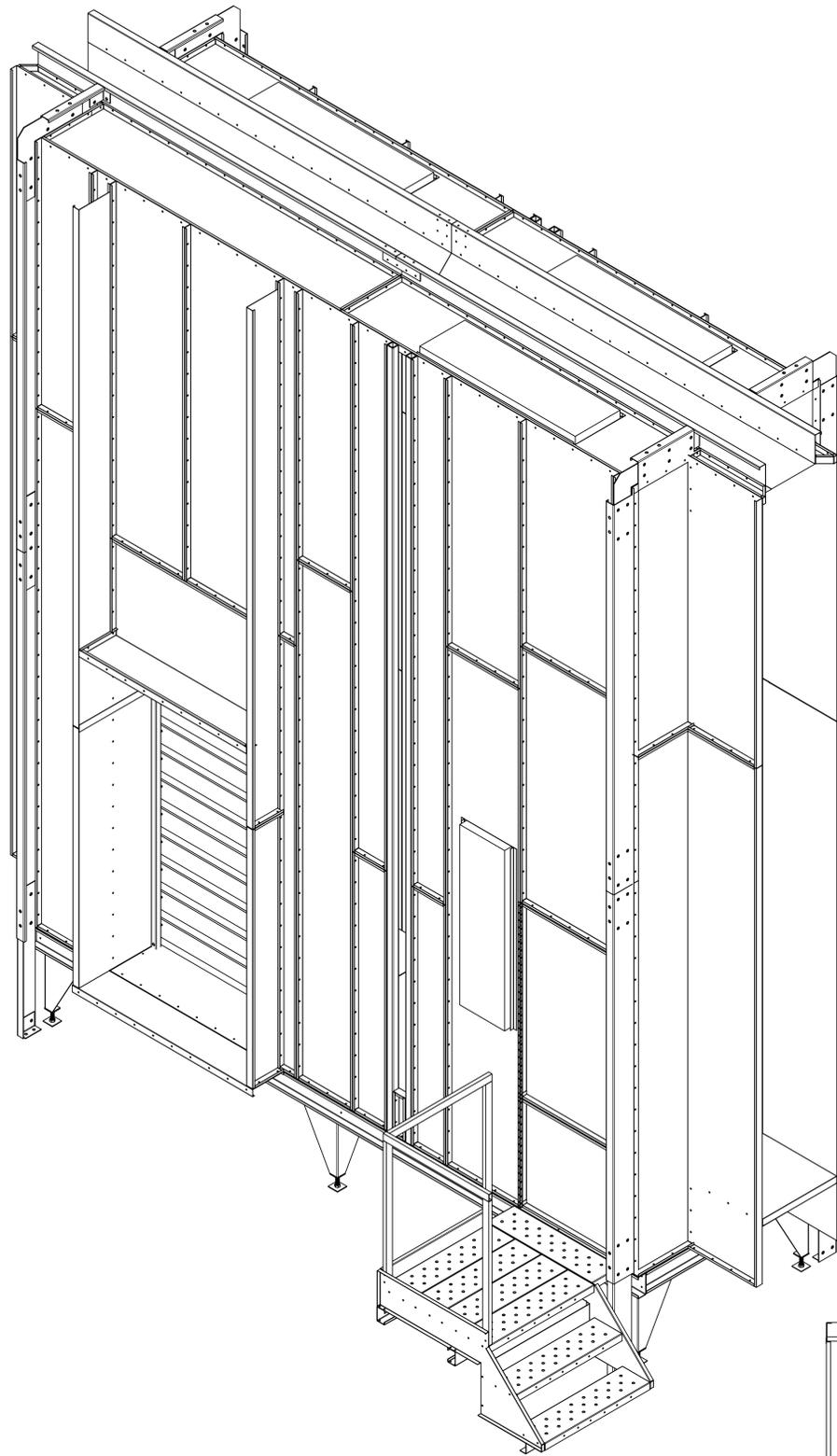
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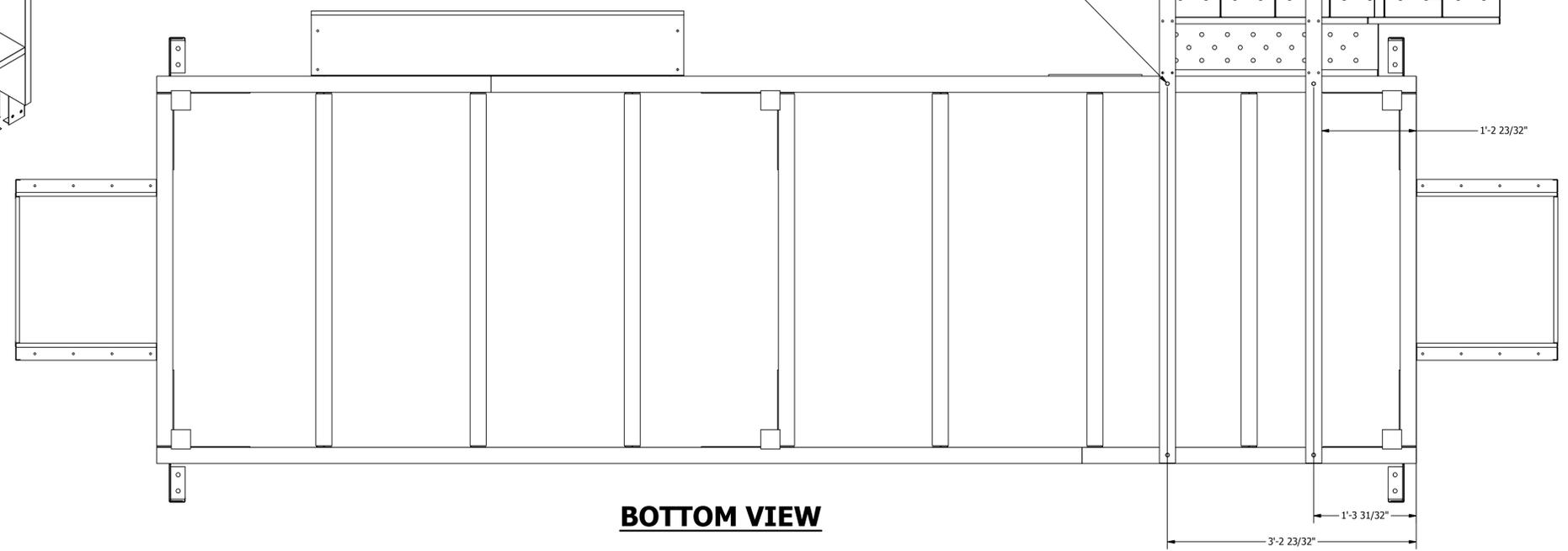
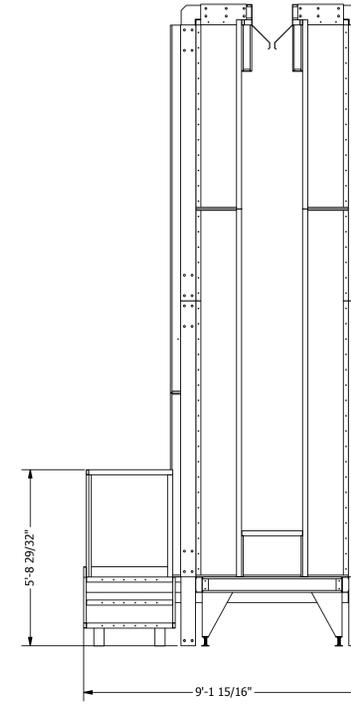
EQUIP. NO:
 PBCEF-RM12000-5-18-16

SHEET NO:

5.5



**VIEW NOT AT SAME ANGLE AS
REST OF CONSTRUCTION SET**



BOTTOM VIEW

ATTACH WITH HARDWARE PROVIDED IN ADDENDUM 1
1/2\"-13, 1\" LONG BOLTS;
NUTS, AND SQUARE WASHER AT 4 POINTS

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	



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

DRAWN BY: ICP
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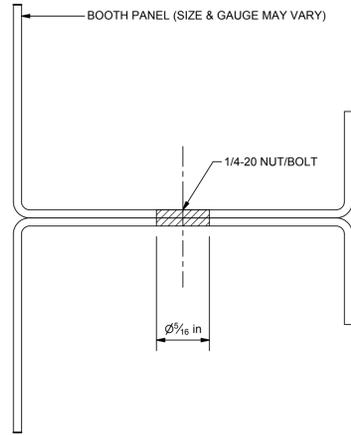
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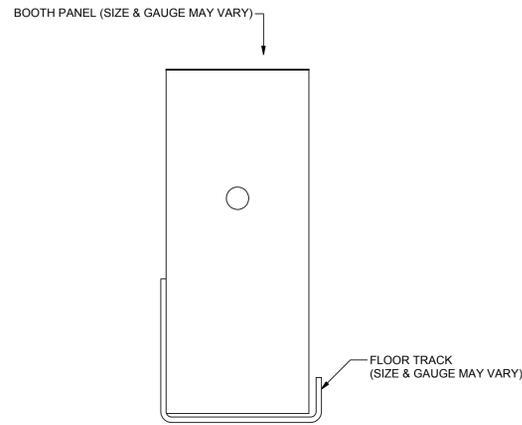
DRAWING TITLE:
EXPLODED ISOMETRIC ASSEMBLY DRAWING

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

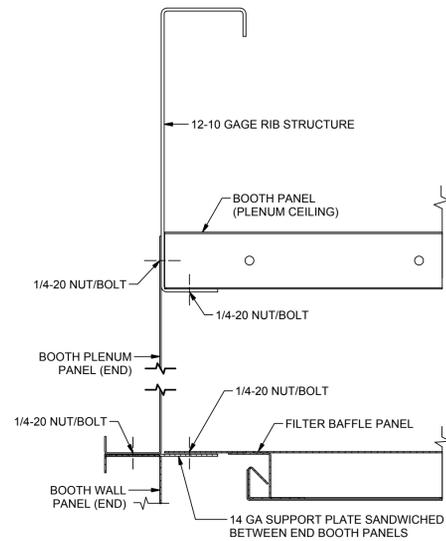
ROHRER MECHANICAL, INC.
1000 W. ANDERSON RD.
SUITE 102
WACO, TX 76768
(817) 885-7641 VOICE
OR. L.C. # 135549
CA# 792654
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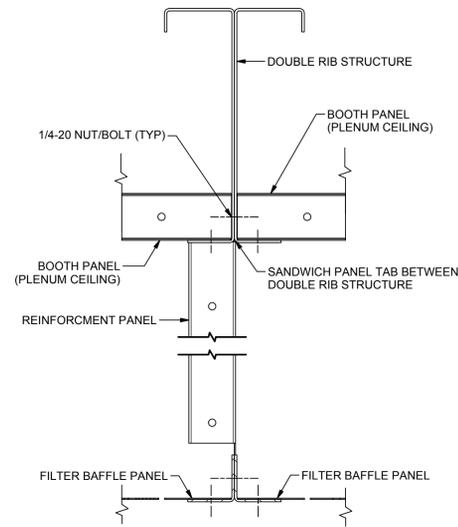
A TYP. COMPANION FLANGE TO FLANGE DETAIL
SCALE: NTS - SECTION/ELEVATION VIEW



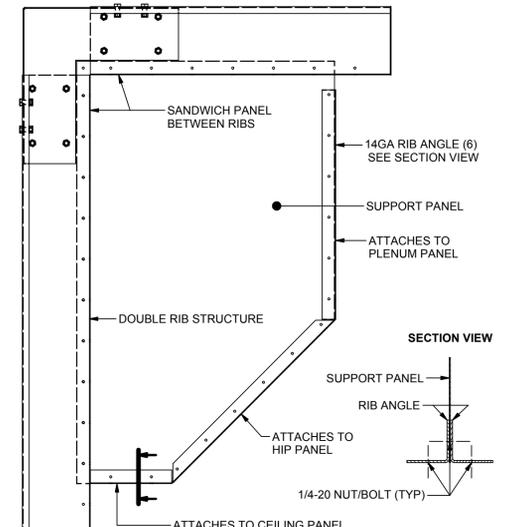
B TYP. FLOOR TRACK PANEL DETAIL
SCALE: NTS - ELEVATION VIEW



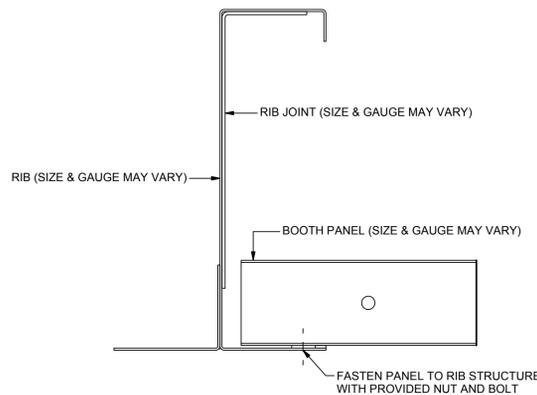
C TYP. BOOTH CEILING - PLENUM DETAIL
SCALE: NTS - ELEVATION VIEW



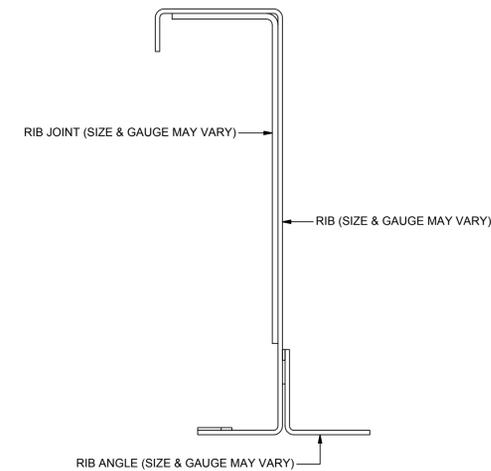
D TYP. PLENUM REINFORCEMENT DETAIL
SCALE: NTS - ELEVATION VIEW



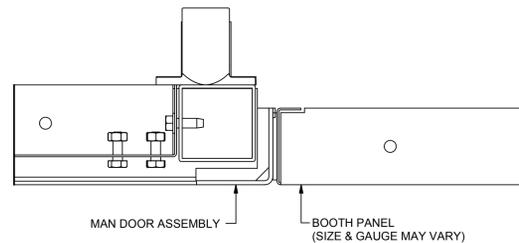
E TYP. HIP PANEL SUPPORT DETAIL
SCALE: NTS - ELEVATION VIEW



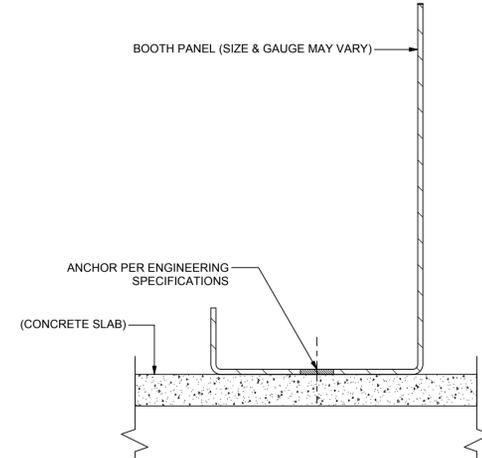
F TYP. RIB TO PANEL CONNECTION DETAIL
SCALE: NTS ELEVATION VIEW



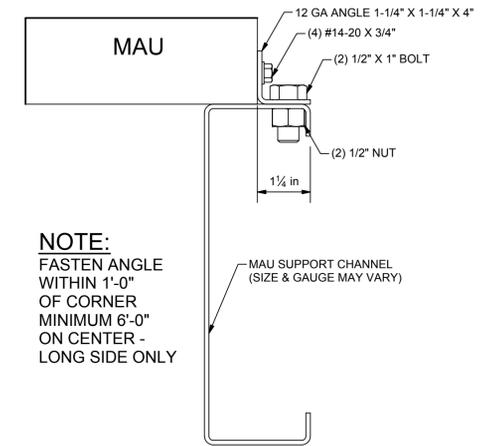
G TYP. RIB TO RIB ANGLE CONNECTION DETAIL
SCALE: NTS ELEVATION VIEW



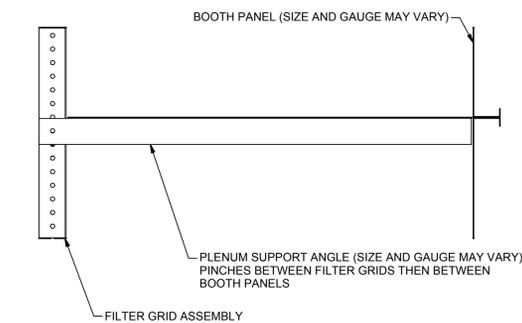
H TYP. MAN DOOR TO PANEL DETAIL
SCALE: NTS ELEVATION VIEW



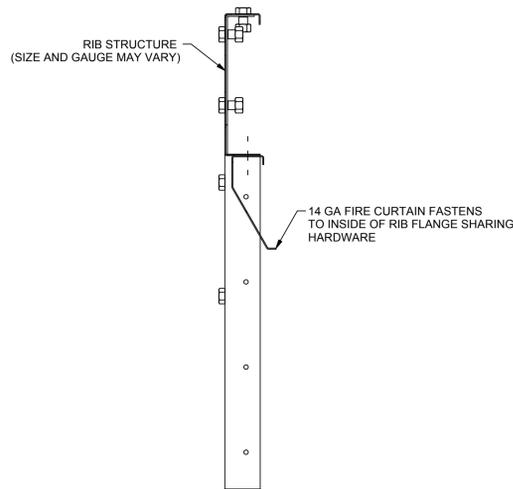
J TYP. PANEL TO FLOOR DETAIL
SCALE: NTS - ELEVATION VIEW



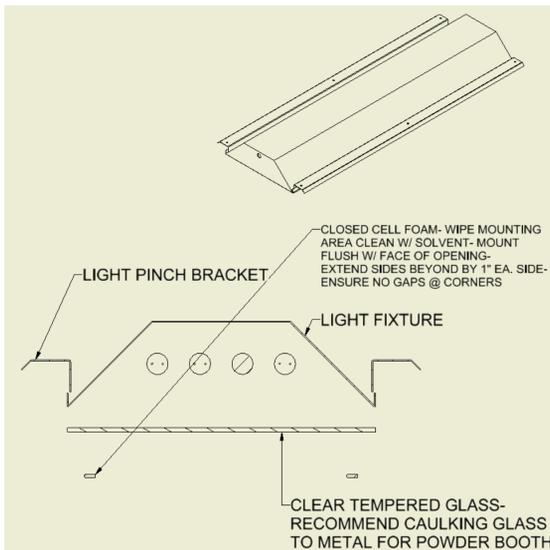
K TYP. MAU BRACKET TO MAU DETAIL
SCALE: NTS - PLAN VIEW



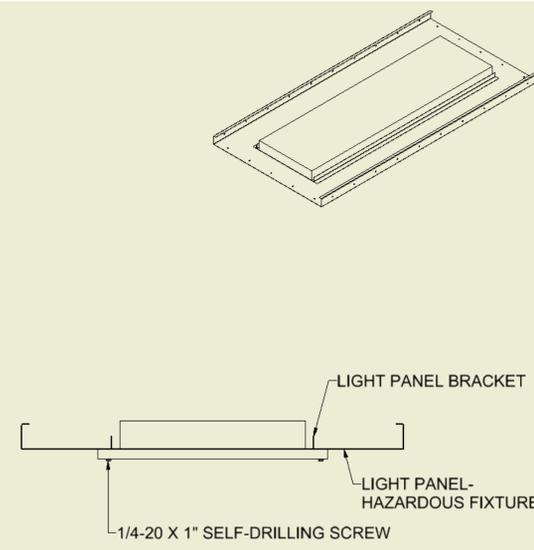
L TYP. PLENUM SUPPORT ANGLE TO BOOTH PANEL CONNECTION
SCALE: NTS ELEVATION VIEW



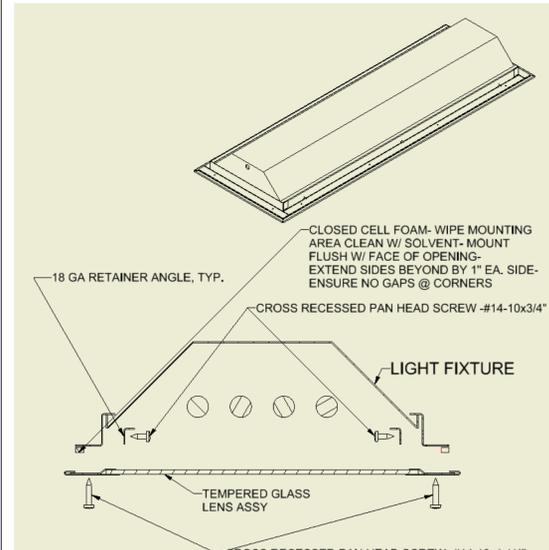
M TYP. FIRE CURTAIN TO RIB STRUCTURE CONNECTION
SCALE: NTS ELEVATION VIEW



N STANDARD LIGHT FIXTURE ASSEMBLY
SCALE: N.T.S.



P HAZARDOUS LOCATION LIGHT FIXTURE ASSEMBLY
SCALE: N.T.S.



Q INSIDE ACCESS LIGHT FIXTURE ASSEMBLY
SCALE: N.T.S.

ROHNER MECHANICAL, INC.
2650 NE ANDRESEN RD.
SUITE 102
VANCOUVER, WA 98661
(360) 885-7611 VOICE
WA LIC # RCPN000151H
OR LIC # 135549
CA# 792654
WWW.ROHNER-USA.COM



A STANDARD BATCH OVEN DETAIL SHEET BY:

ROHNER
2650 NE ANDRESEN ROAD, SUITE 102
VANCOUVER, WA 98661

DRAWN BY: HGS
CHECKED BY: DGR

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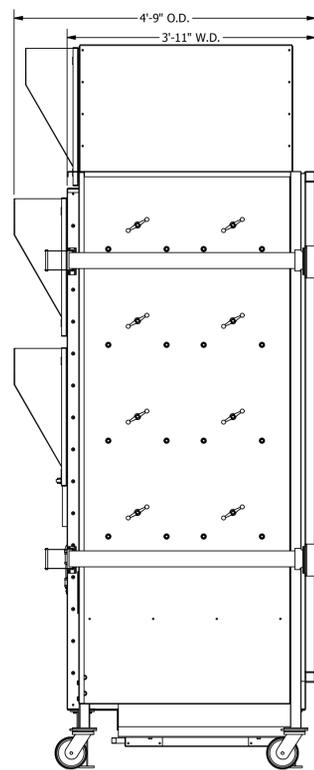
ISSUED DATE: 1-29-14

REV: _____
REV: _____
REV: _____
REV: _____

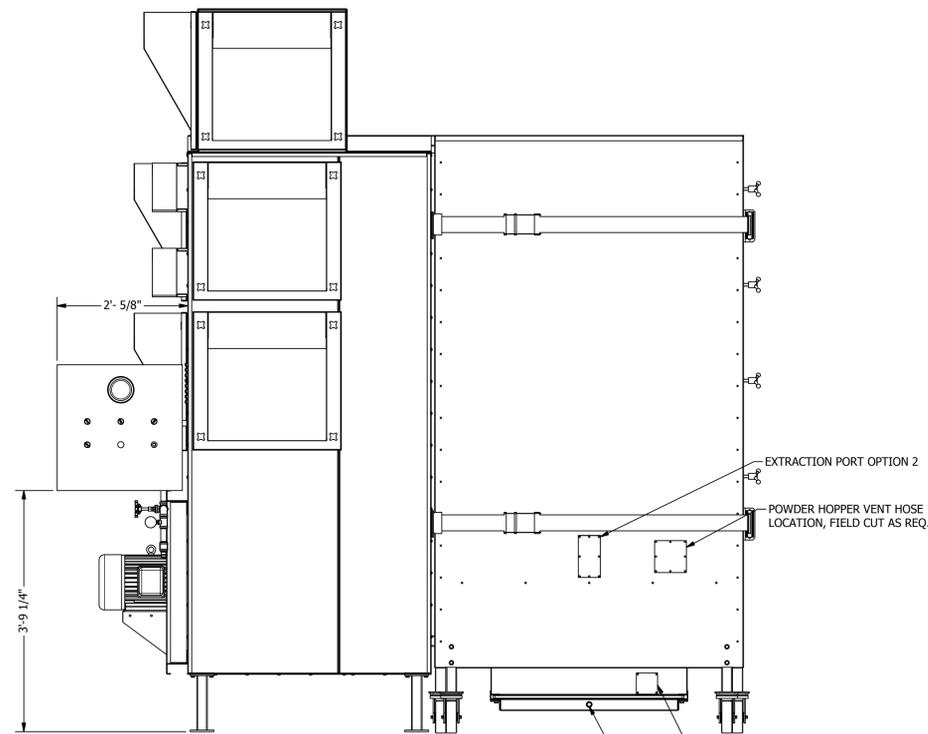
DRAWING TITLE:
STANDARD BOOTH DETAIL SHEET

JOB NO: ROHNER
DETAIL SHEET
EQUIP. NO: VARIOUS
SHEET NO:

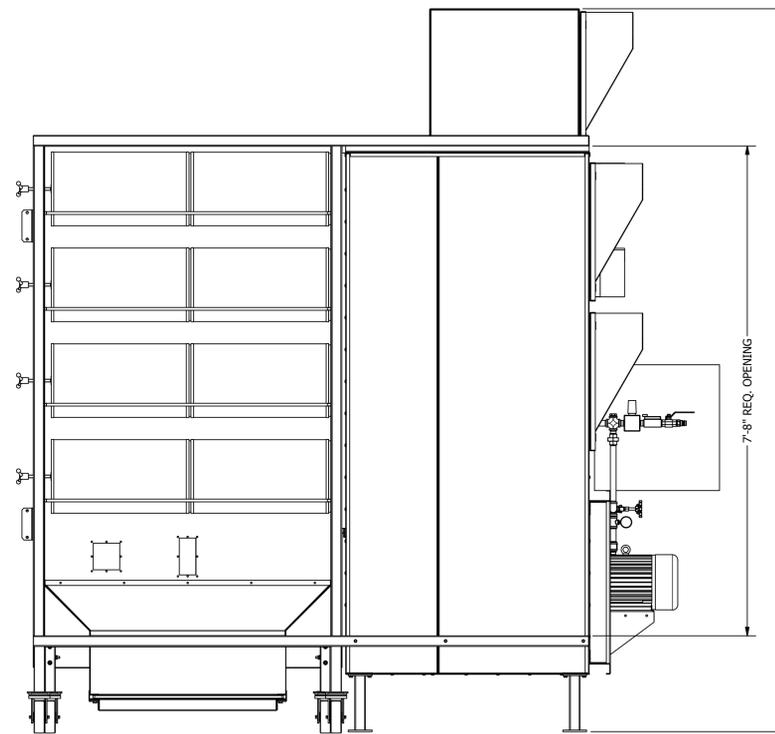
BD1



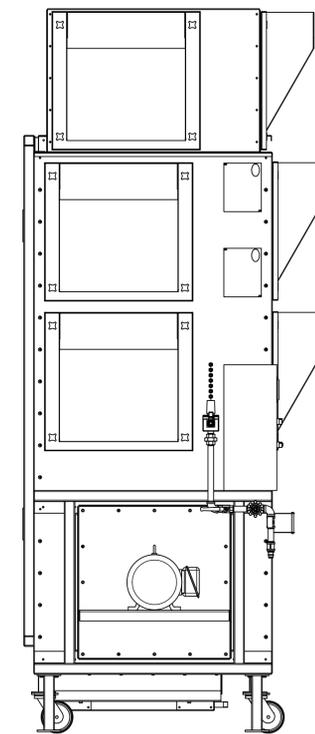
LEFT VIEW
3/8" = 1'-0"



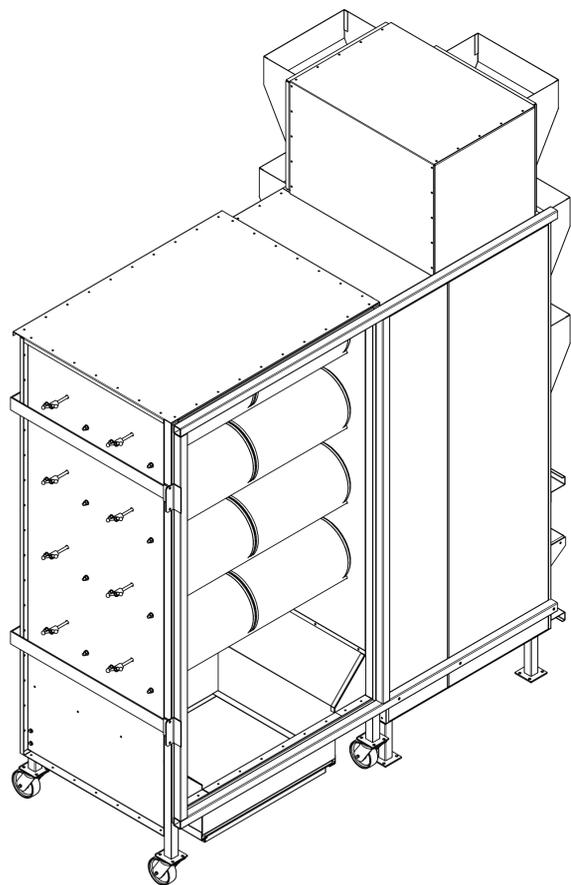
REAR VIEW
3/4" = 1'-0"



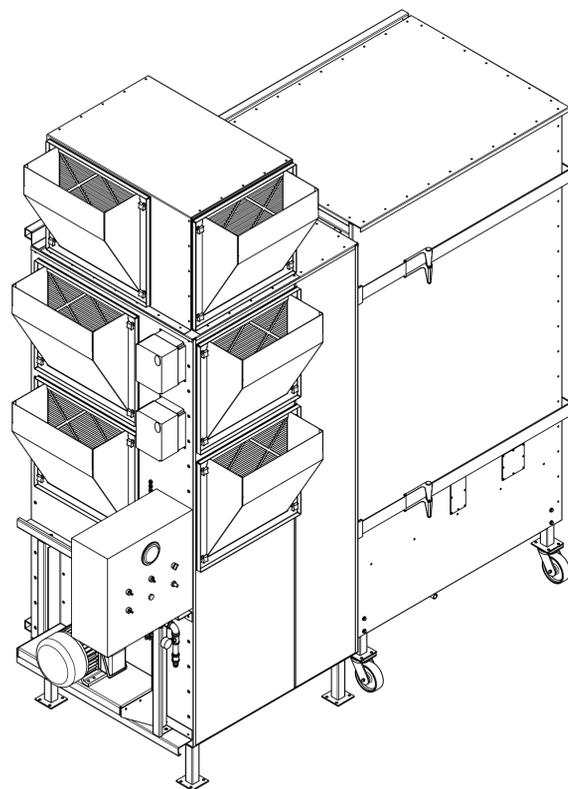
FRONT VIEW
3/4" = 1'-0"



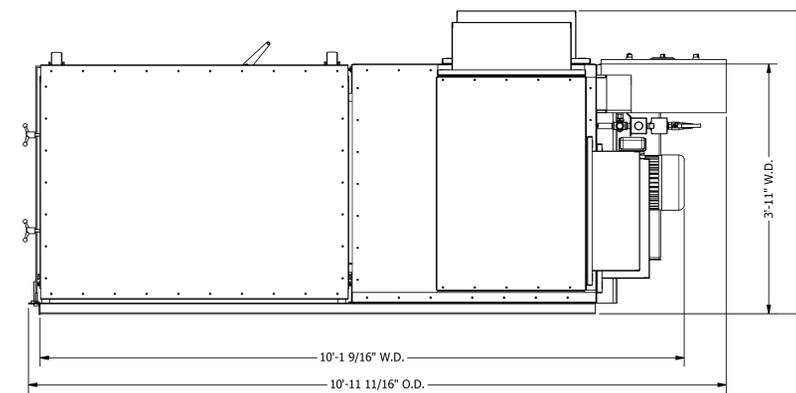
RIGHT VIEW
3/8" = 1'-0"



ISOMETRIC VIEW
NOT TO SCALE



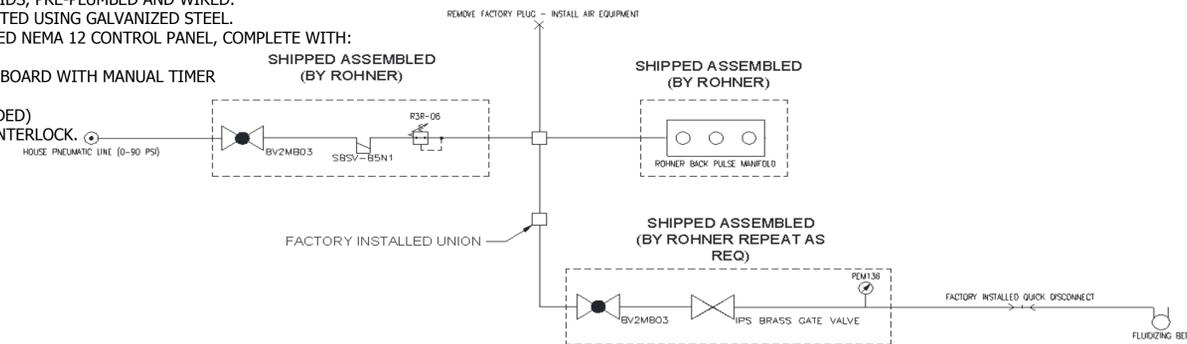
CONTROL PANEL FACTORY MOUNTED RIGHT ORIENTATION



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.



ROHNER MECHANICAL, INC.
10000 NE ANDRESEN RD.
2650 NE ANDRESEN RD.
SUITE 102
VANCOUVER, WA 98661
(360) 885-7641 VOICE
WA LIC # RCPN001051H
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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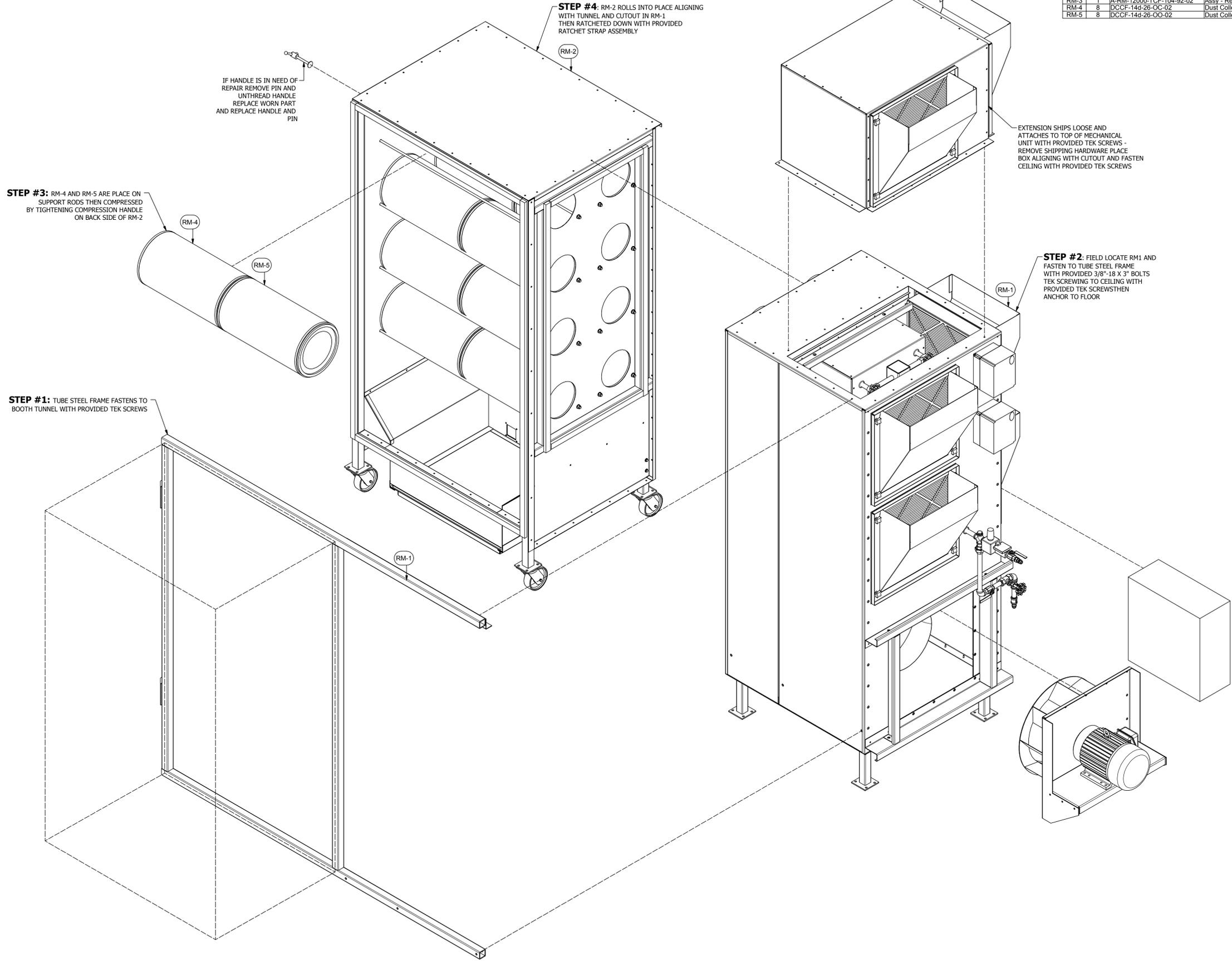
ISSUED DATE: 1/5/17
REV: 16.1 - 1/7/17
DESCRIPTION OF CHANGE(S): INITIAL RELEASE

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



IF HANDLE IS IN NEED OF REPAIR REMOVE PIN AND UNTHREAD HANDLE REPLACE WORN PART AND REPLACE HANDLE AND PIN

STEP #3: RM-4 AND RM-5 ARE PLACE ON SUPPORT RODS THEN COMPRESSED BY TIGHTENING COMPRESSION HANDLE ON BACK SIDE OF RM-2

STEP #1: TUBE STEEL FRAME FASTENS TO BOOTH TUNNEL WITH PROVIDED TEK SCREWS

STEP #4: RM-2 ROLLS INTO PLACE ALIGNING WITH TUNNEL AND CUTOUT IN RM-1 THEN RATCHETED DOWN WITH PROVIDED RATCHET STRAP ASSEMBLY

EXTENSION SHIPS LOOSE AND ATTACHES TO TOP OF MECHANICAL UNIT WITH PROVIDED TEK SCREWS - REMOVE SHIPPING HARDWARE PLACE BOX ALIGNING WITH CUTOUT AND FASTEN CEILING WITH PROVIDED TEK SCREWS

STEP #2: FIELD LOCATE RM1 AND FASTEN TO TUBE STEEL FRAME WITH PROVIDED 3/8"-18 X 3" BOLTS TEK SCREWING TO CEILING WITH PROVIDED TEK SCREW THEN ANCHOR TO FLOOR

ROHNER MECHANICAL, INC.
 2650 NE ANDRESEN RD.
 SUITE 102
 VANCOUVER, WA 98661
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 WA LIC # RCPN001015H
 OR LIC # 135549
 CA# 792654
 WWW.ROHNER-USA.COM



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ROHNER
 2650 NE ANDRESEN ROAD SUITE 102
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ISSUED DATE: 1/5/17
 REV: 16.1 - 1/7/17
 DESCRIPTION OF CHANGE(S):

DRAWING TITLE:
 EXPLODED
 ISOMETRIC
 ASSEMBLY
 DRAWING

JOB NO:

EQUIP. NO:
 RM12 LEFT HOUSING

SHEET NO:

RM3

