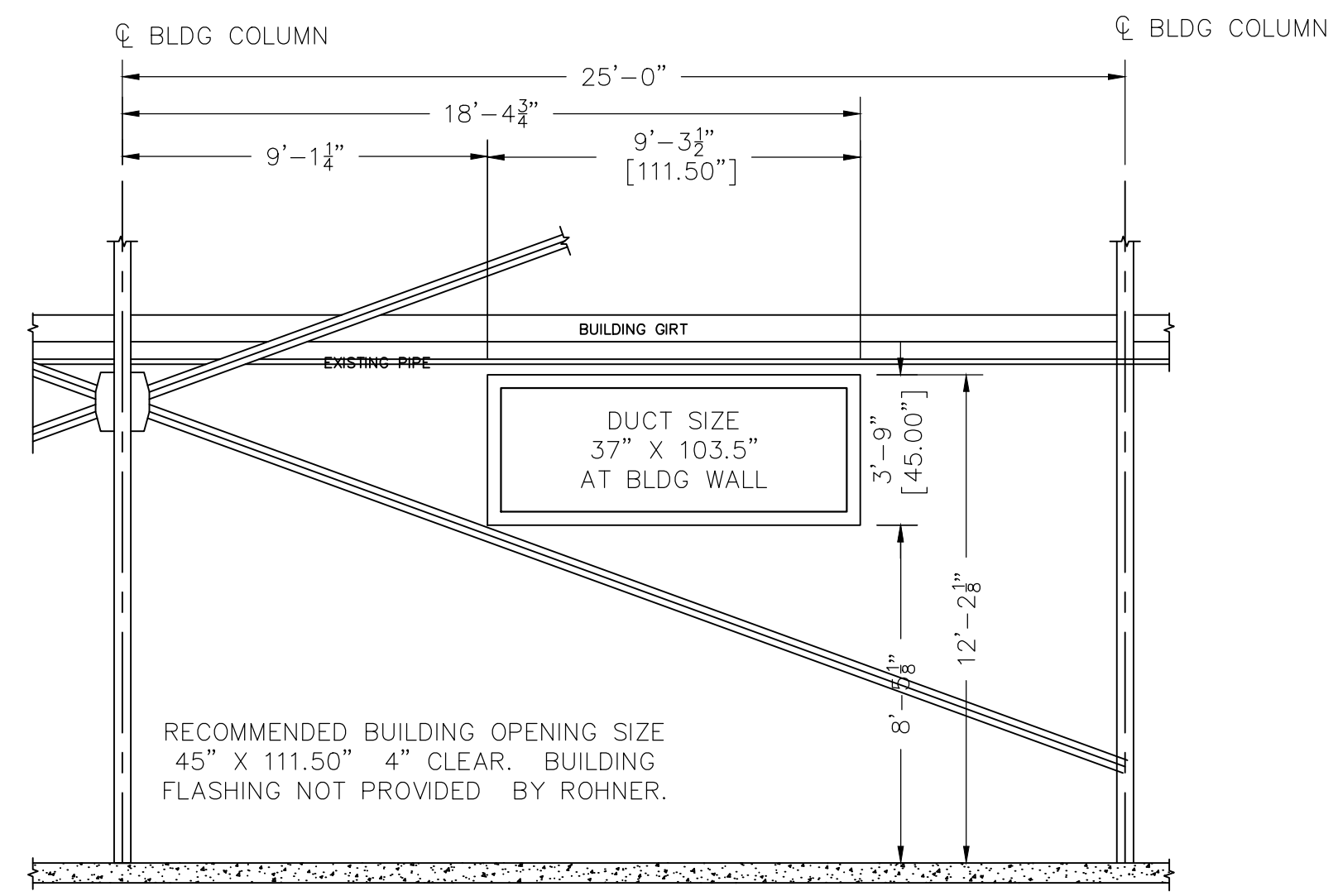
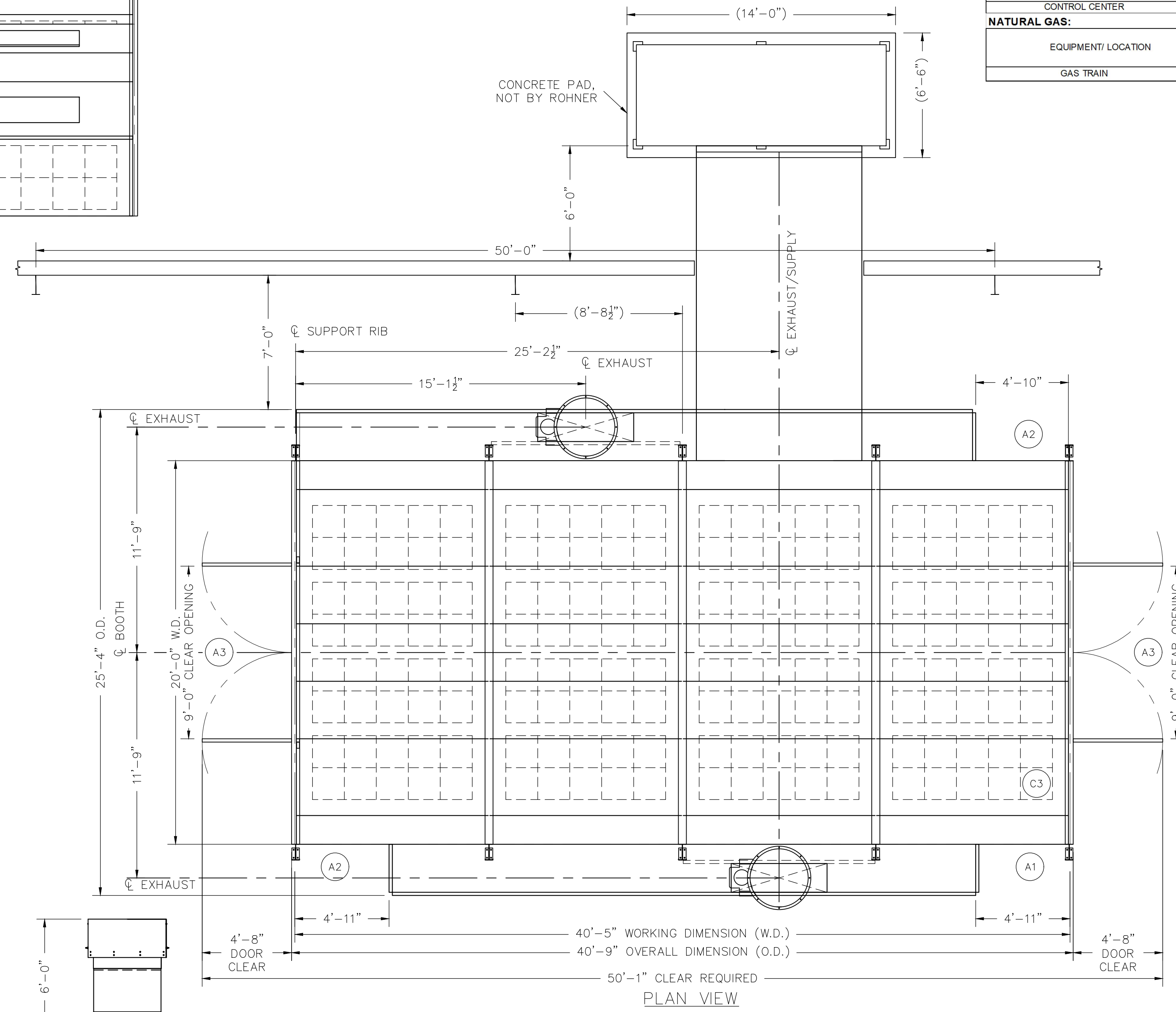


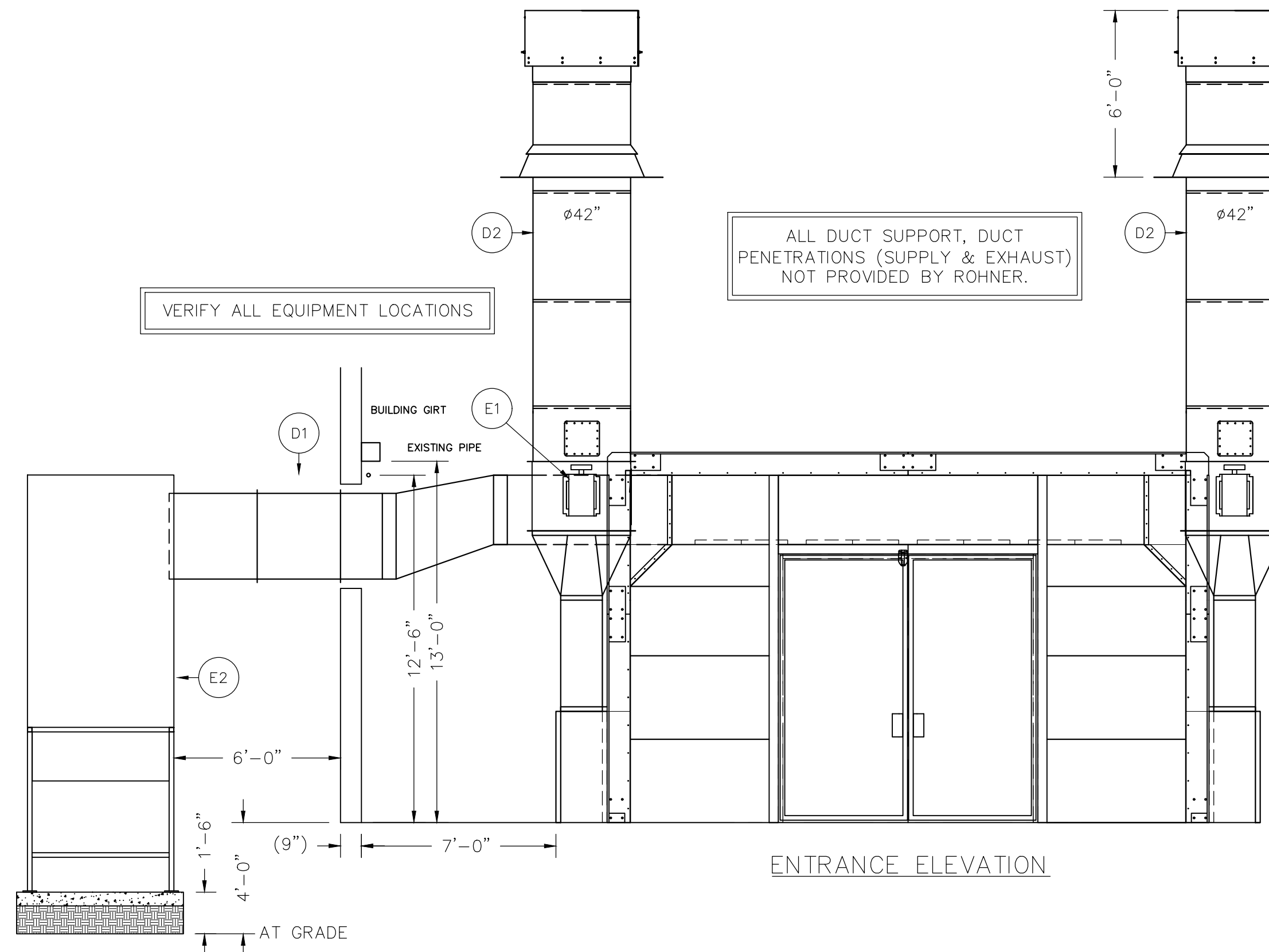
RIGHT LEFT ELEVATION  
1/4"=1'-0"



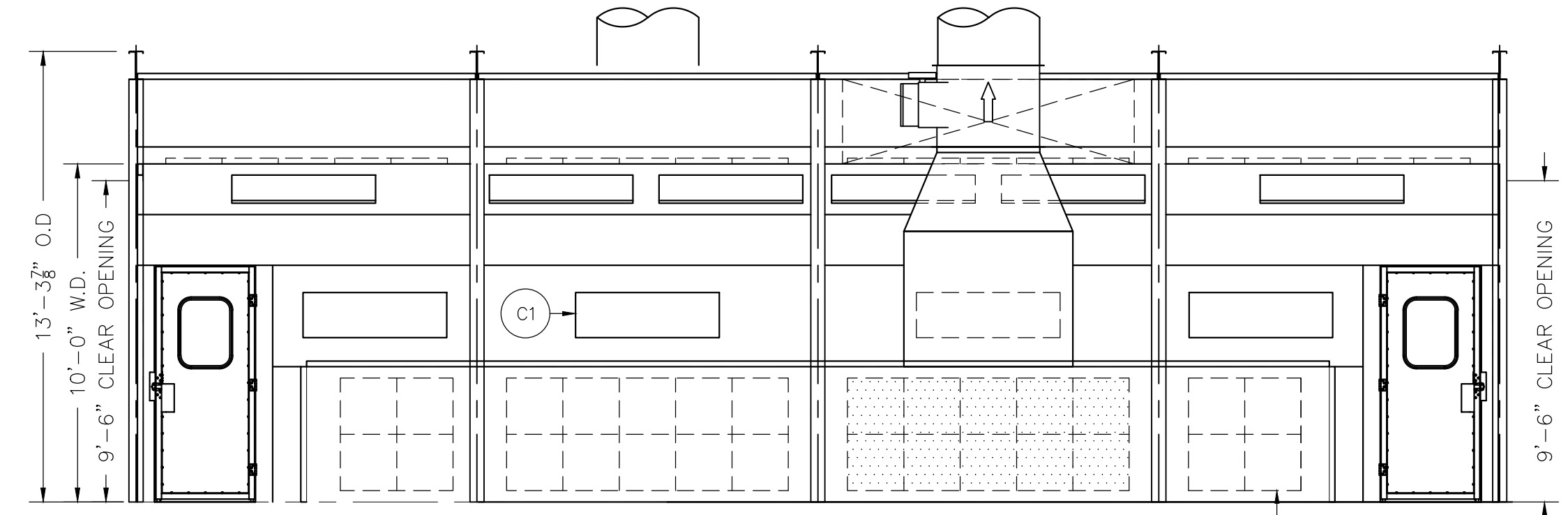
BUILDING WALL ELEVATION VIEW, SUPPLY DUCT OPENING DETAIL



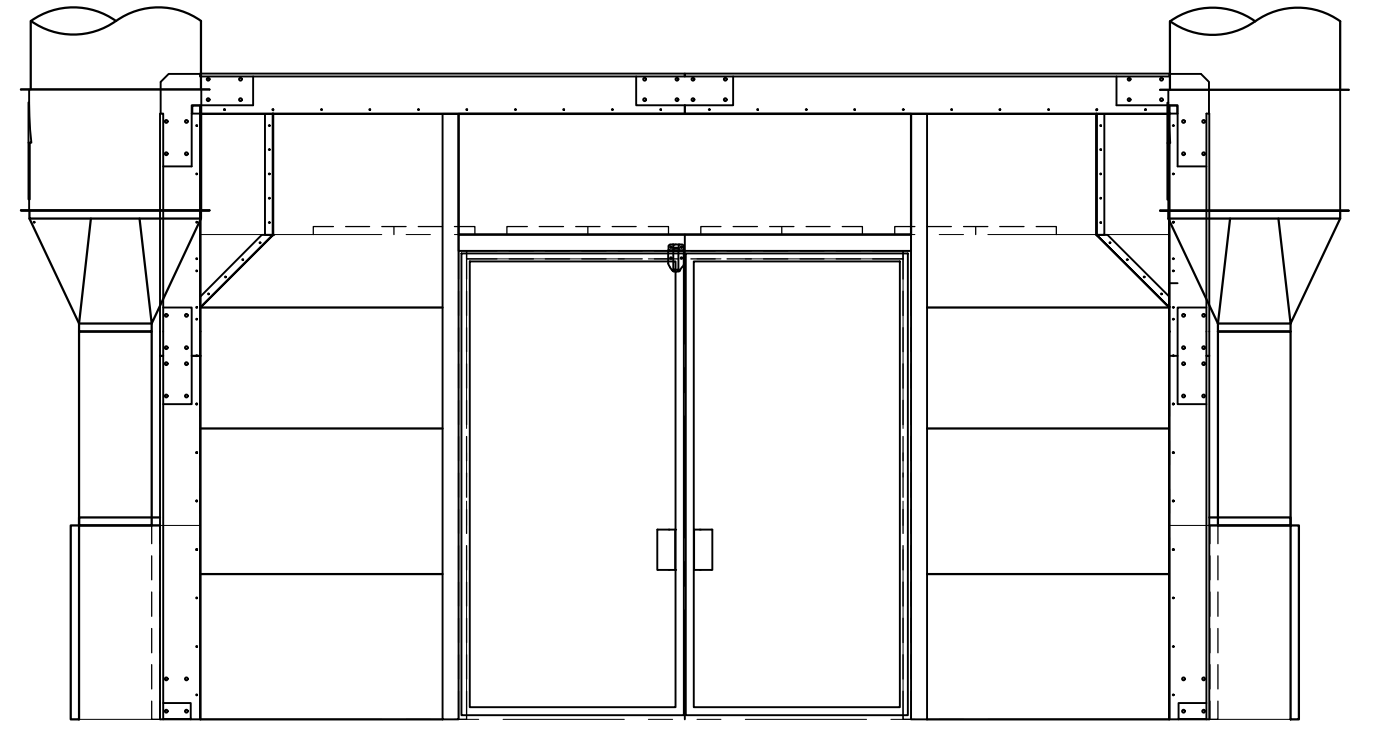
PLAN VIEW



ENTRANCE ELEVATION



RIGHT SIDE ELEVATION  
1/4"=1'-0"



EXIT ELEVATION

**ELECTRICAL:**

EQUIPMENT/ LOCATION	CONNECTION TYPE	QUANTITY OF SERVICE CONNECTION PER EQUIP.	VOLTAGE	PHASE	HERTZ	TOTAL LARGEST HORSE POWER	FLA	MCA	MOP
CONTROL CENTER	NON-FUSED DISCONNECT	1	460	3	60	45/30	-	78.4	110.0
CONTROL CENTER	TERMINAL CONNECTION	1	120	1	60	N/A	11.0	11.1	15.0

**NATURAL GAS:**

EQUIPMENT/ LOCATION	Fuel Type	QUANTITY OF SERVICE CONNECTION PER EQUIP.	PRESSURE (PSI)	BTUs
GAS TRAIN	Natural Gas	1	0.5-5	4.23M

**INDUSTRIAL SEMI-DOWN DRAFT SPRAY BOOTH**

(1) Industrial Semi-Down Draft Spray Booth with Pressurized Ceiling Plenum. Supply air delivered through a pressurized ceiling plenum located in the booth ceiling. Exhaust evacuated through (2) lower side wall exhaust grid/penums.

BOOTH				
Tag	Qty.	Pck.	Part	Description
B1	1		ISD-WP-20-10-40-CP-1.1	ISD-WP-20-10-40-CP - Rib Structure 1.1
B2	1		ISD-WP-20-10-40-CP-1.2	ISD-WP-20-10-40-CP - Side Walls 1.2
B3	1		ISD-WP-20-10-40-CP-1.3	ISD-WP-20-10-40-CP - End Walls 1.3
B4	1		ISD-WP-20-10-40-CP-1.4	ISD-WP-20-10-40-CP - Supply Plenum 1.4
B5	1		ISD-WP-20-10-40-CP-1.5	ISD-WP-20-10-40-CP - Exhaust Plenum 1.5

EQUIPMENT				
Tag	Qty.	Pck.	Part	Description
E1	2		TAF-42D-20000-85-7.5	Tube Axial Exhaust Fan- 20,000 cfm @ .85" s.p., 7.5 hp
E2	1		GH-VSU-225-H50	Vertical Direct Gas Fired MAU, 40,000 cfm, 30 hp

COMPONENTS				
Tag	Qty.	Pck.	Part	Description
C1	20		390440-LED	Enclosed Class 1 Div. II UL listed LED inside access light fixture
C2	1		SBSV-B5M1	Standard 3/4" solenoid valve, shipped loose,
C3	160		01AFR2020-20	#01AFR2020-20 - Intake AFR1 Panel - white
C4	62		14AGP2020-50	#14AGP2020-50 - Exhaust Filter - Fiberglass PA Pads
C5	62		16GR202020	#16GR202020 - 20"x20" Snap-in Filter Grids, including caps
C6	2		Mark II	Dwyer Mark II Manometer- 0-3"

ASSEMBLIES				
Tag	Qty.	Pck.	Part	Description
A1	1		MDL-36-84-W18-24	Standard man door with Brixon latch and 18" x 24" observation window, Left
A2	2		MDR-36-84-W18-24	Standard man door with Brixon latch and 18" x 24" observation window, Right
A3	2		PD-108-114	Standard Product Door Assembly- 9'-0" W x 9'-6" H clear opening

CONTROLS				
Tag	Qty.	Pck.	Part	Description
CO1			Booth PLC	Compact PLC based control center - 24VDC power supply, 24 I/O PLC controller, PID temperature control relay with fuzzy logic and auto tuning & 5.7" QVGA color touch screen HMI. (1) 25 hp. Supply blower VFD and (2) 5 hp. exhaust fan VFD(s) with auto booth pressure control.

DUCT				
Tag	Qty.	Pck.	Part	Description
D1	1		MAU Discharge Duct	Standard M.A.U. discharge duct package(s) to each include: (3) 4' section of straight duct, (1) offset/transition and (1) flex connection
D2	2		Exhaust Duct	Standard 42" exhaust duct package(s) to each include: (5) 4' section of straight duct, (1) 2' section straight duct with cleanout access door, (1) conical roof jack with storm collar, and (1) damper cap.

**GENERAL NOTES**

18Ga Galvanized, Powder Coated Satin White, Construction pre-punched for nut and bolt assembly  
Booth rigidly reinforced with 10"-12 ga galvanized sheet steel columns and beams  
Includes all assembly materials, fasteners and caulking  
MEETS OR EXCEEDS REQUIREMENTS OF NFPA 33 AND OSHA REGULATIONS

**APPROVAL**

APPROVED FOR CONSTRUCTION WITH NO CHANGES REQUIRED.

APPROVED FOR CONSTRUCTION WITH CHANGES NOTED.  
(NOTE: MAKE ALL CHANGES IN RED INK)

NOT APPROVED FOR CONSTRUCTION. REQUIRES NEW SUBMITTAL DRAWINGS.  
GAS SUPPLY  NATURAL GAS  PROPANE

NOTE: EQUIPMENT REQUIRES A HIGH PRESSURE STEPDOWN REGULATOR SUPPLIED BY OTHERS WITH OUTPUT OF 1/2 PSI (14" W.C.) AT THE MIDPOINT OF THE ADJUSTMENT WITHIN 10' OF EQUIPMENT. 1/2 PSI (14" W.C.) MINIMUM IS REQUIRED TO ACHIEVE RATED UNIT BTU/H OUTPUT. REGULATOR SHOULD BE LOCATED NO CLOSER THAN 2' AND NO FURTHER THAN 10' OF EQUIPMENT CONNECTION POINT.

POWER SUPPLY VOLTAGE REQUIRED:  
 208V  230V  460V  
 1Ø  3Ø   
 LIGHTING:  20V  277V

READ PRIOR TO SIGNING!  
Rohrer engineering specifications shown on this approval drawing may differ from the equipment quotation. Please review all specifications on this approval drawing and compare to your signed quotation or purchase order. By signing this approval drawing the purchaser accepts these specifications in lieu of the quotation specifications and releases the equipment to be manufactured as shown in this drawing. Any changes requested after release to production will result in an upcharge of 5% of the total contract amount plus all additional design, engineering and materials cost plus normal gross profit margin. 11/05/21

James+James LLC  
 COMPANY DATE  
*James Smith* co-owner  
 AUTHORIZED SIGNATURE TITLE

DIMENSIONS/DETAILS WITH AN \* DENOTE A DESIGN CHANGE FROM CONTRACT

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 CA# 792654  
 WWW.ROHRER-USA.COM



Industrial Semi-Down Draft Spray Booth with Pressurized Ceiling Plenum for,  
**Sherwin Williams for James & James Furniture**  
 1609 N old Missouri Rd  
 Springdale, AR 72764

DRAWN BY: BEK  
 CHECKED BY: HGS

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ISSUED DATE: 10/26/2021  
 21.1 - 11/04/21  
 Update per site visit, BLDG considerations.

DRAWING INDEX:  
 PLAN

JOB NO:  
 R20210871  
 EQUIP. NO:  
 ISD-WP-20-10-40-CP

SHEET NO:

**1.0**