

928 S. Glendora Avenue

DEC 13 2023

Planning Division

SEMI-DOWN DRAFT SPRAY BOOTH MT-FS 27

SPRAY BOOTH SPECIFICATIONS

OVERALL DIMENSIONS: 14'-4"Wx27'-4"Lx11'H
 INSIDE DIMENSIONS: 14'Wx25'-6"Lx9'H
 FRONT DOOR OPENING DIM.: 9'Wx9'H
 ACCESS MAN DOOR: 30"X84"

CONSTRUCTION:

18 GAUGE ZINC GALVANIZED STEEL PANELS,
 PRE PUNCHED AND COMPANION FLANGED FOR
 EASY ASSEMBLY, PRE-DRILLED ON 6" CENTER
 FOR ASSEMBLY WITH 1/4" NUTS AND BOLTS

FILTERS:

(16) 20"X20"X2" FIBER GLASS EXHAUST FILTERS
 (30) 20"X20"X2" TACKY TYPE INTAKE FILTERS

LIGHTING:

48"X12" LIGHT FIXTURES W/ 4 LAMPS 120V.
 6 UPPER HORIZONTAL LIGHT FIXTURES
 4 LOWER VERTICAL LIGHT FIXTURES

MECHANICAL

EXHAUST FAN:

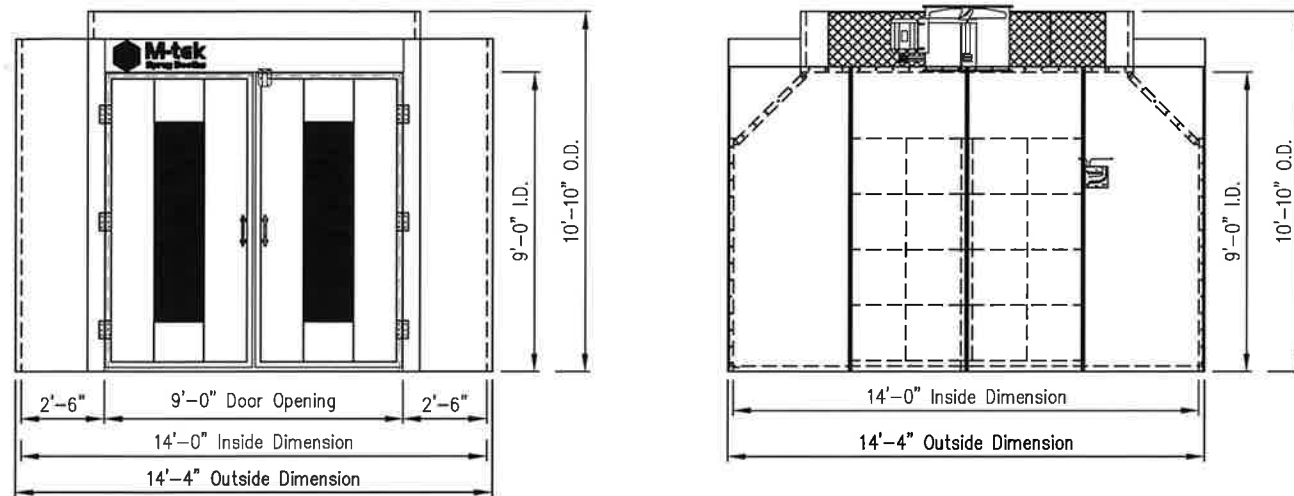
HEAVY DUTY TUBEAXIAL TYPE WITH NON
 SPARKING ALUMINUM BLADES.
 1-30" DIA. BELT-DRIVE TUBEAXIAL FAN
 1-3HP 3PH MOTOR VOLTAGE 208-230 19.2 FLA
 DELIVERS: 13,180 CFM

ELECTRICAL REQUIREMENTS.

1--230 VOLT, 3PH, 9.6 FLA MOTOR CIRCUIT.
 1--120 VOLT, 20 AMP, LIGHTING CIRCUIT.

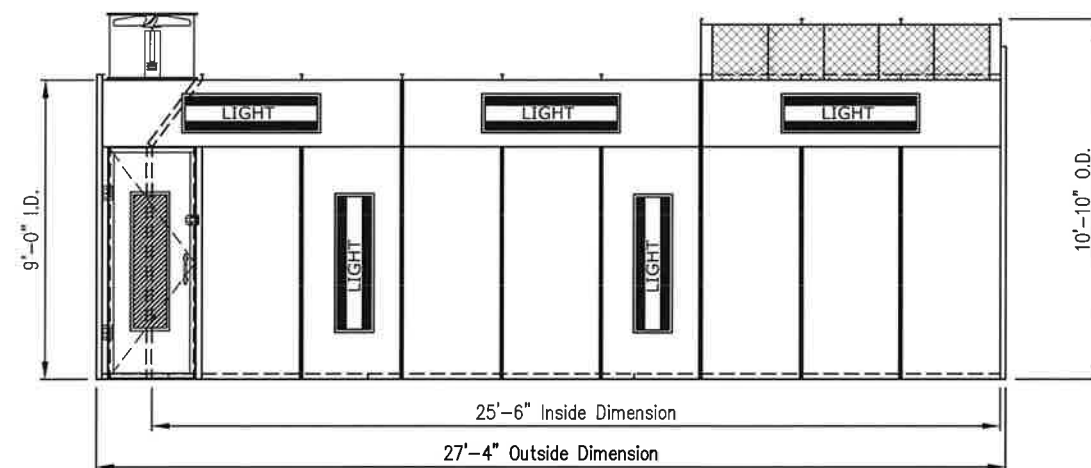
CODE COMPLIANCE

ALL M-TEK SPRAY BOOTHS ARE
 MANUFACTURED TO MEET OR EXCEED
 REQUIREMENTS OF (UFC)
 UNIFORM FIRE CODE, (NFPA) NATIONAL
 FIRE PROTECTION ASSOCIATION, (OSHA)
 OCCUPATIONAL SAFETY & HEALTH ACT
 1970(CAL-OSHA), AND FEDERAL LAWS
 GOVERNING THE DESIGN AND
 CONSTRUCTION OF PAINT BOOTHS. STATE
 AND LOCAL CODES VARY WIDELY. ALL
 PAINT SPRAY BOOTHS, EXHAUST PIPING,
 LIGHT FIXTURES, ELECTRICAL AND WATER
 CONNECTIONS, ECT, SHOULD BE
 INSTALLED TO CONFORM TO THE CODE
 THAT HAS JURISDICTION.

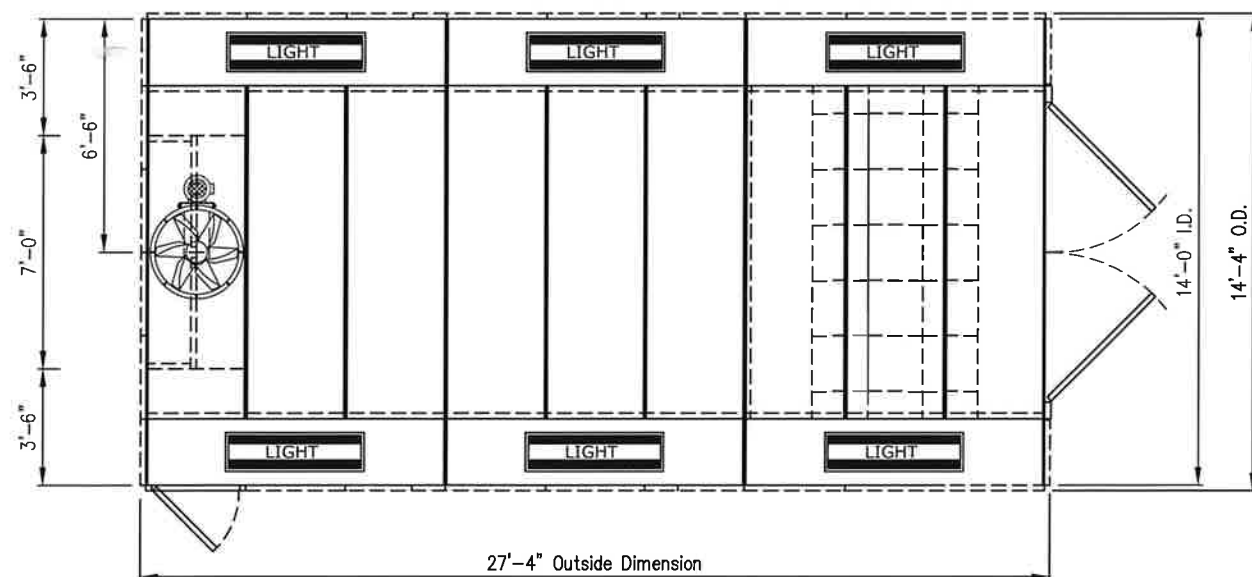


Front Elevation

Rear Elevation



Side Elevation



Top Elevation

MODEL:

MT-FS 27**Semi-Down Draft Spray booth**

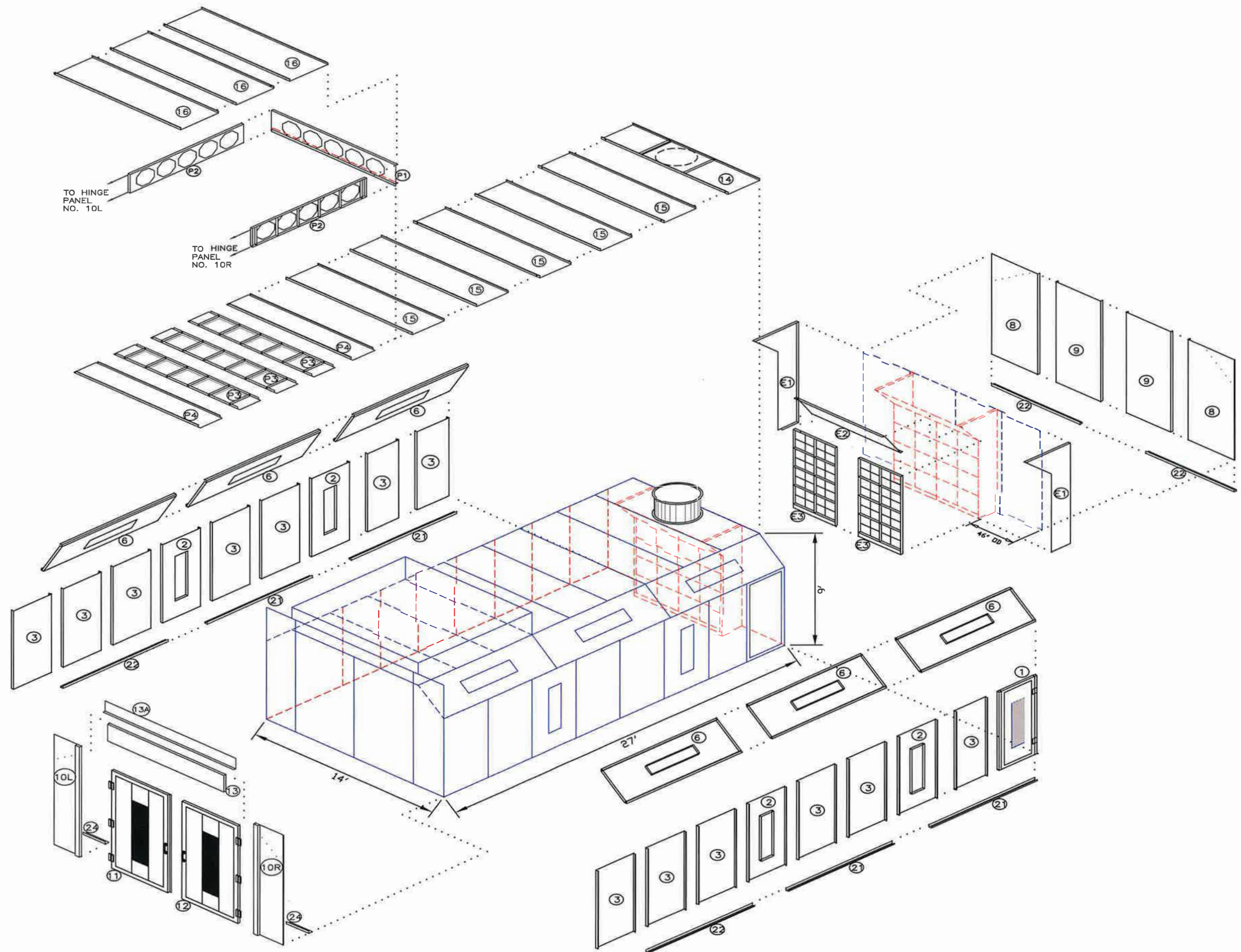
DIMENSIONS:

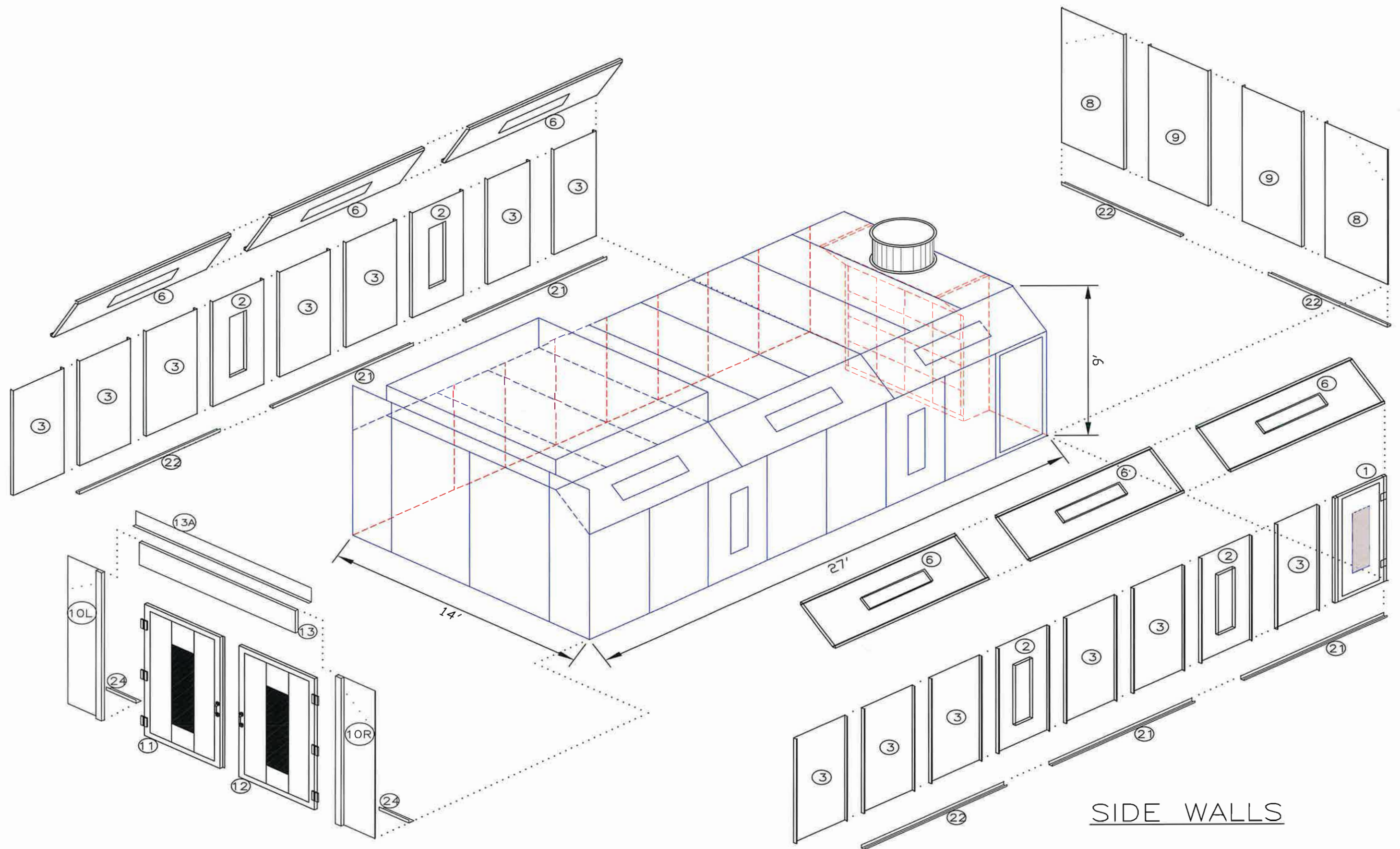
DWG. TITLE

ELEVATIONSDRAWN BY:
GMGDATE REVISED:
11/23/2016

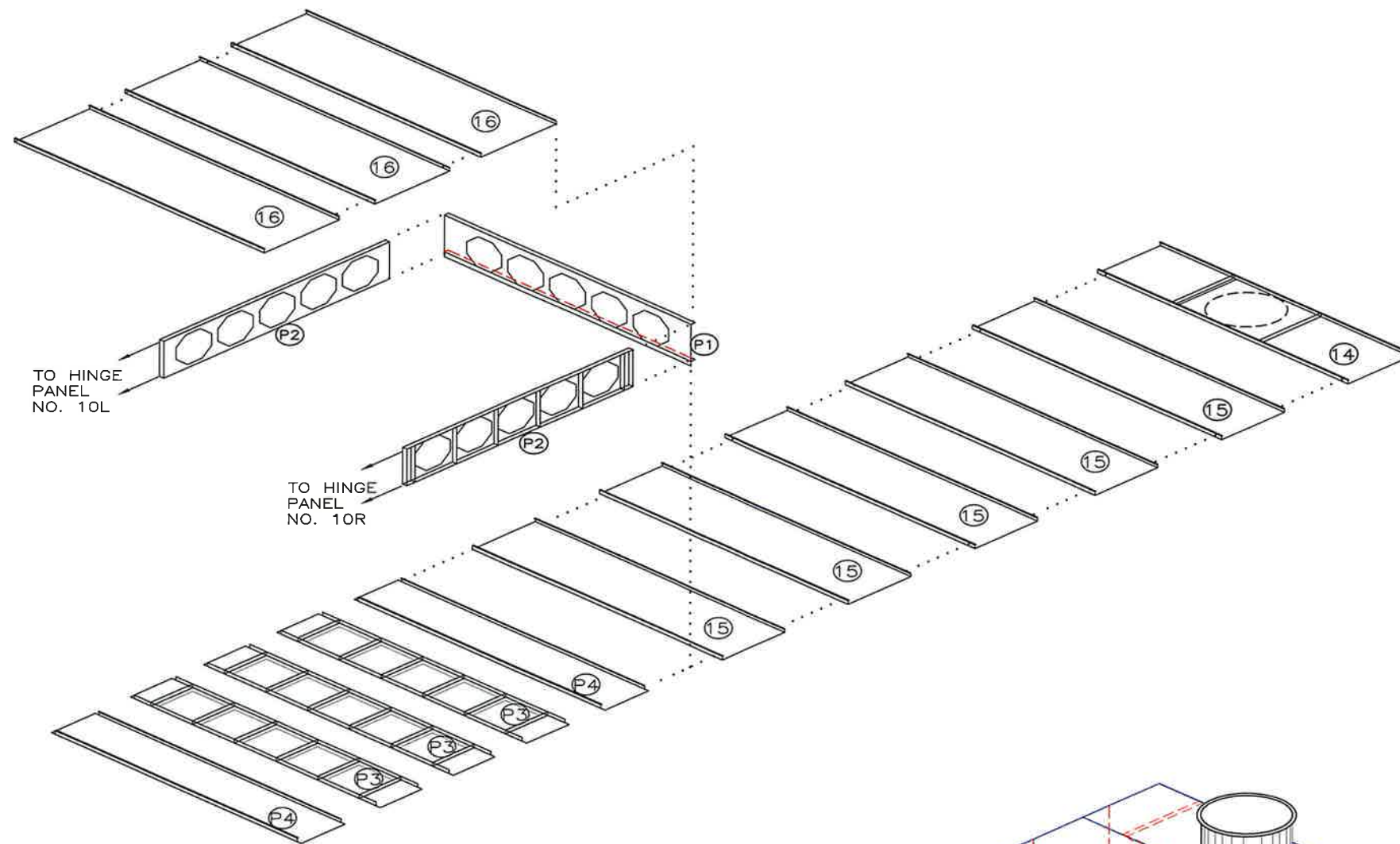
P 951.321.0864 F 951.344.8360 www.mtekspraybooths.com

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 SPRAY BOOTHS AND SHALL NOT BE DUPLICATED
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 PERMISSION OF M-TEK SPRAY BOOTHS

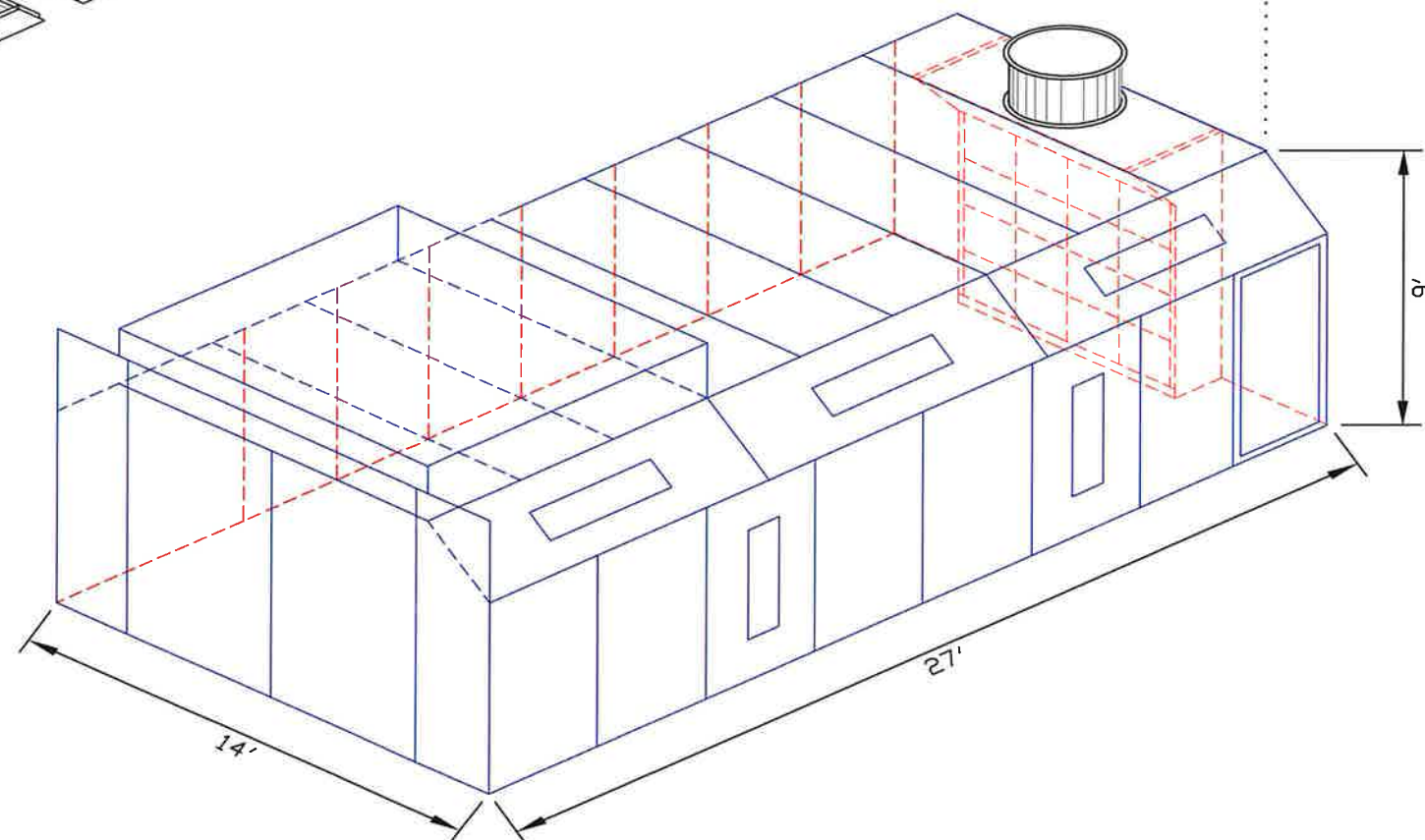




SIDE WALLS



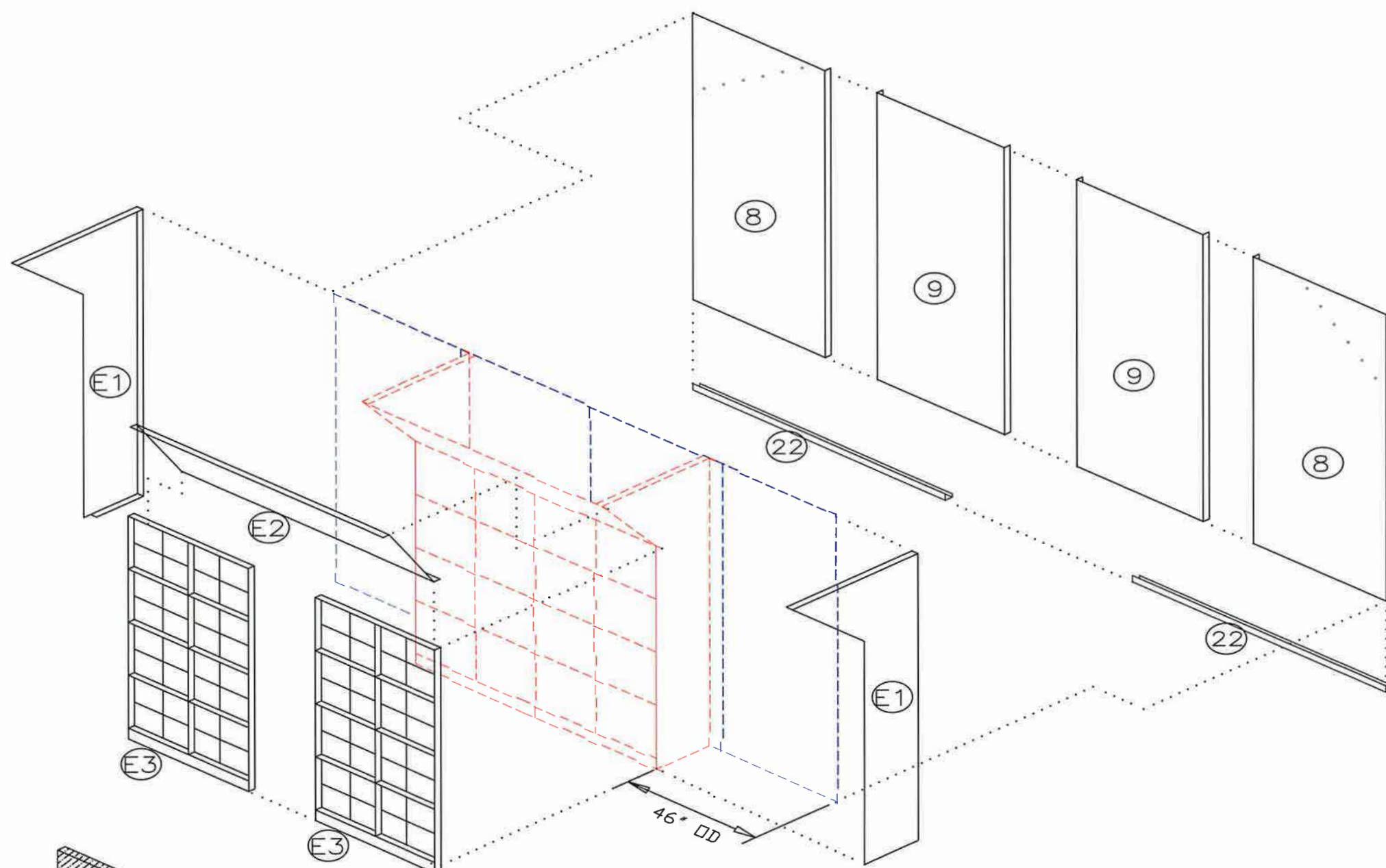
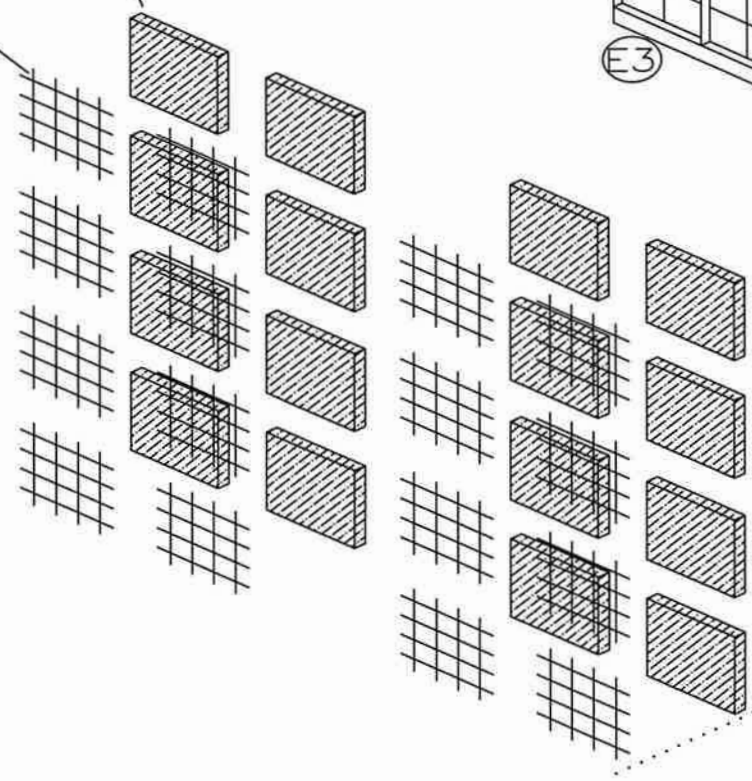
ROOF PANELS



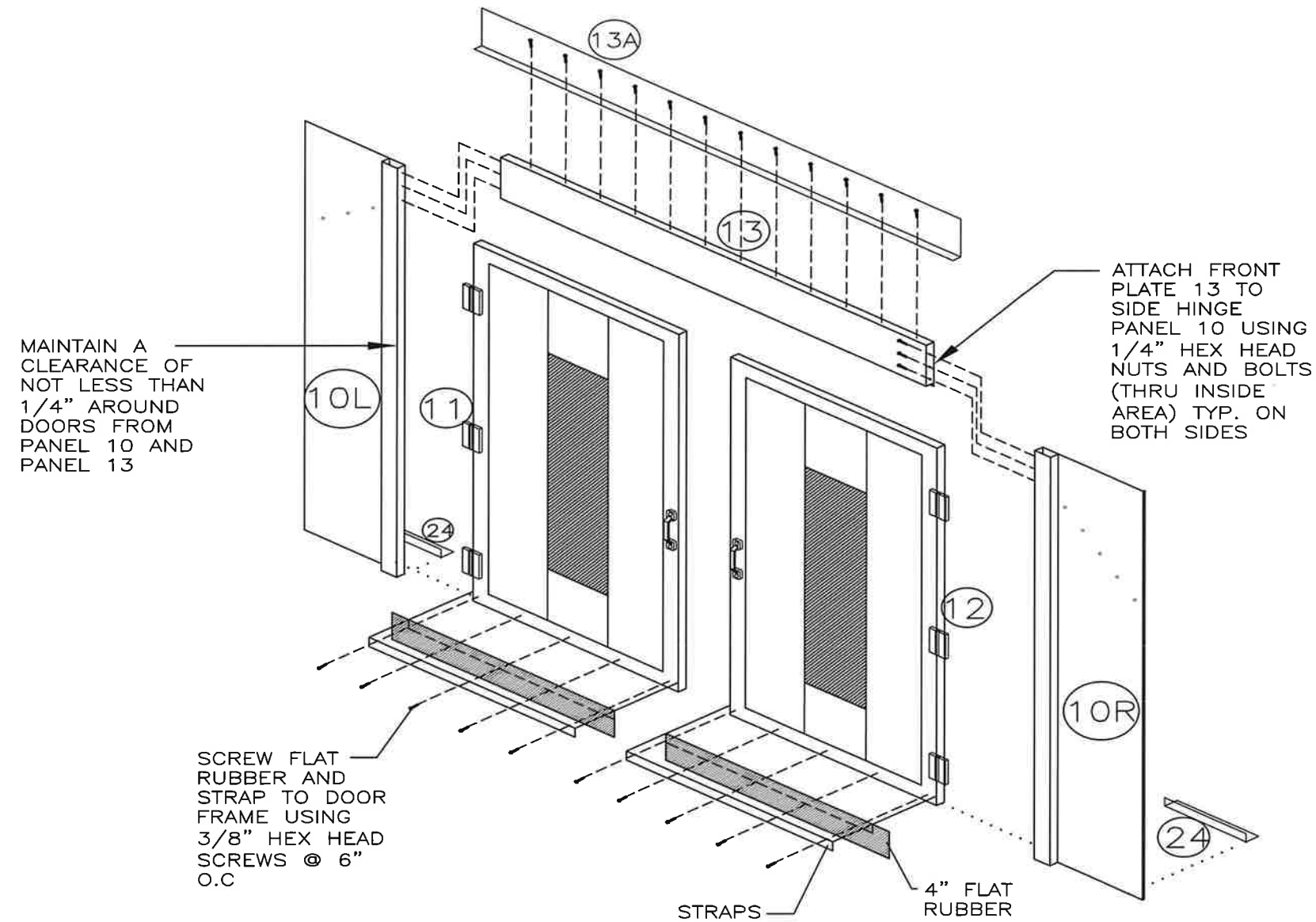
EXHAUST FILTER
PAD
1ST.

FILTER GRIDS
2ND.

WIRE



EXHAUST PLENUM

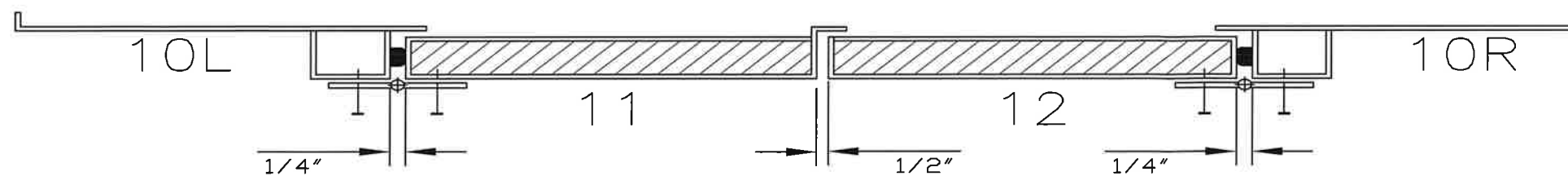


- ### BASIC DOOR MOUNTING AND SET-UP
1. Square front opening to match door dimension.
 2. Do not anchor hinge panels until door are hung. Hinge panels may need to be moved right or left to set center gap dimension.
 3. Block bottom of door at 3/4" and top at 1/4".
 4. Set side gaps at 1/4", center gap will be about 1/2".
 5. Mount doors with self tapping screws. Screw through hinge into hinge panel.
 6. Mount hinge panels to floor and set bottom gap dimension.

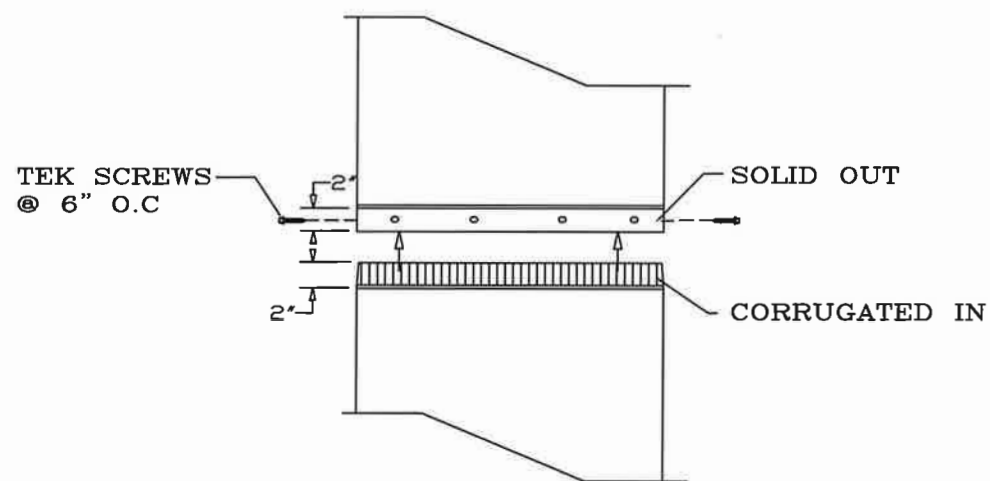
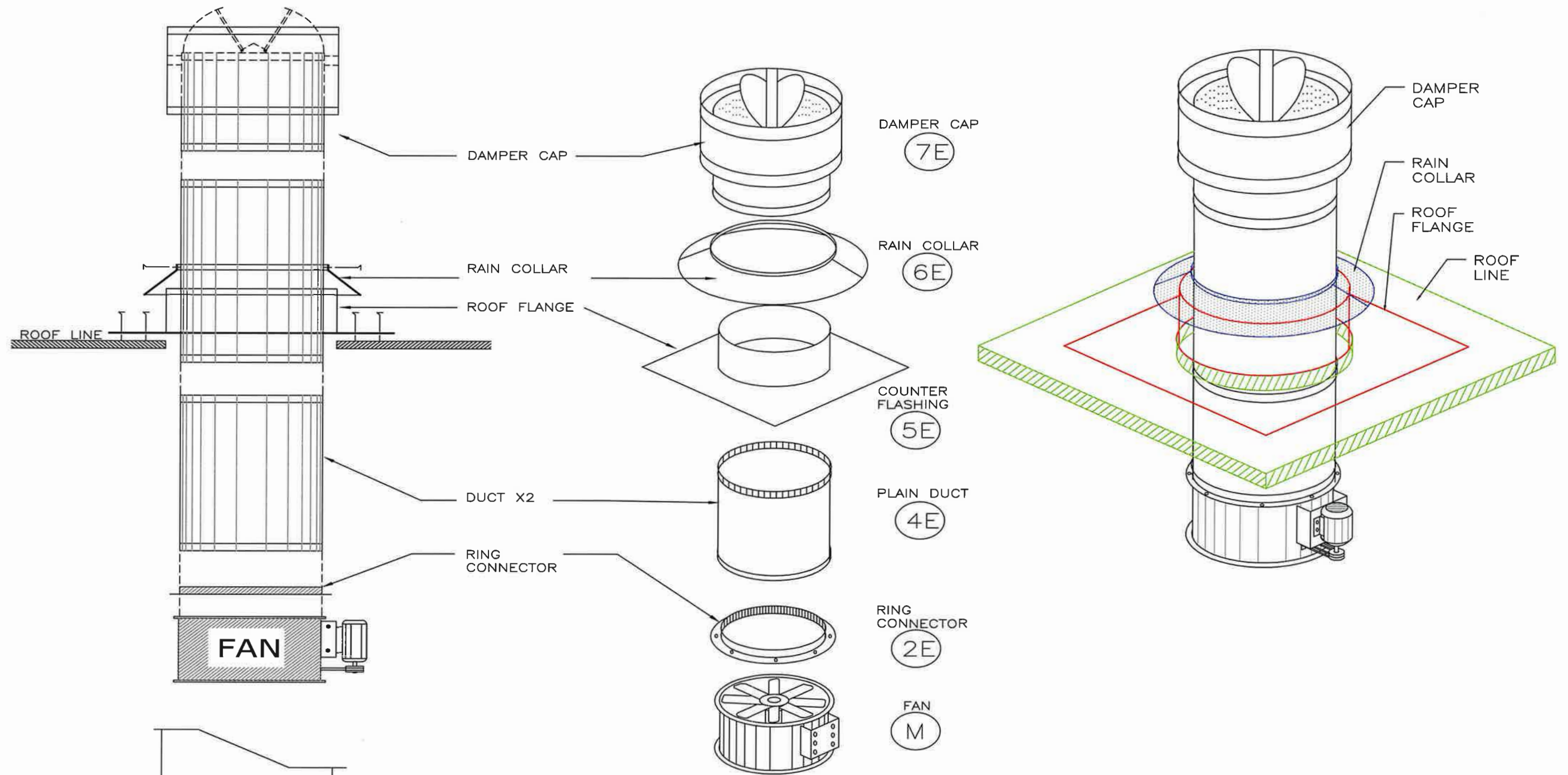
BOTTOM DOOR SEAL

Cut and mount flat rubber on door that closes first at end of door. Cut and mount flat rubber that mounts on door that closes 2nd. 3" over lap.

EXIT DOORS



TOP VIEW



EXHAUST DUCT DETAIL

DUCT CONNECTION DETAIL

MODEL: MT-FS 27 PART LIST

NO.	DESCRIPTION	DIMENSION	QTY.	NO.	DESCRIPTION	DIMENSION	QTY.
SIDE WALL PANELS				FLOOR CHANNELS			
(1)	ACCESS MAN DOOR	36"X84"	1	(21)	FLOOR CHANNEL	2"X2"X120"	4
(2)	PANEL W/ LIGHT	36"X84"	4	(22)	FLOOR CHANNEL	2"X2"X84"	4
(3)	PANEL	36"X84"	13	(24)	FLOOR ANGLE	2"X2"X28"	2
GABLE PANELS				EXHAUST DUCT			
(6)	GABLE PANEL W/ LIGHT	108"X34"	6	(1E)	FAN	30" DIA.	1
				(2E)	RING CONNECTION	30" DIA.	1
				(3E)	DUCT W/ CLEAN-OUT DOOR	30" DIA.	0
FRONT WALL PANELS				(4E)	PLAIN DUCT	30" DIA.	3
(10R)	RIGHT HINGE PANEL	32"X120"	1	(5E)	COUNTER FLASHING	36" DIA.	1
(10L)	LEFT HINGE PANEL	32"X120"	1	(6E)	RAIN GUARDS	30" DIA.	1
(11)	DOOR	53.5"X106"	1	(7E)	STACKHEAD	30" DIA.	1
(12)	DOOR	53.5"X106"	1	(M)	3HP MOTOR/2 BELTS/PULLEY (MOTOR KIT)		1
(13)	FACE PLATE	12"X108"	1				
(13A)	FACE PLATE	10"X120"	1				
REAR WALL PANELS				HARDWARE			
(8)	PANEL	44"X108"	2	(D)	MANOMETER DRAFT GAUGE KIT		1
(9)	PANEL	42"X108"	2	(SL)	DOOR LATCH 1SMALL / 1LARGE		1
ROOF PANELS				(H)	DOOR HANDLES		6
(14)	PANEL W/ EXHAUST HOLE	36"X120"	1	(B)	1/4"NUTS & BOLTS(1,500 EA. BOX APPROX.)		1
(15)	PANEL	36"X120"	5	(S)	5/8" HEX SCREWS (100 EA. BOX APPROX.)		1
(16)	PANEL	36"X120"	3	(S1)	3/8" HEX SCREWS (100 EA. BOX APPROX.)		1
(P4)	PANEL	24"X120"	2	(R)	4" FLAT RUBBER	4"X10'	1
(P3)	PANEL W/ INTAKE FILTERS	20"X120"	3	(G)	TEMPERED GLASS	13-3/4"X48"	10
(P2)	SIDE PANEL	20"X108"	2	(L)	LIGHT FIXTURE W/ 4 TUBES	12"X48"	10
(P1)	SIDE PANEL	22"X120"	1	(EF)	EXHAUST FIBER GLASS FILTERS	20"X20"	16
EXHAUST PLENUM PANELS				(W)	WIRE GRIDS FOR EXHAUST FILTERS	20"X20"	32
(E1)	PANEL	18"X108"	2	(TF)	TACKY INTAKE FILTERS	20"X20"	30
(E2)	PANEL	31"X80"	1	(RF)	INTAKE FILTER BLANKET	36"X116"	0
(E3)	FILTER RACK	40"X84"	2				