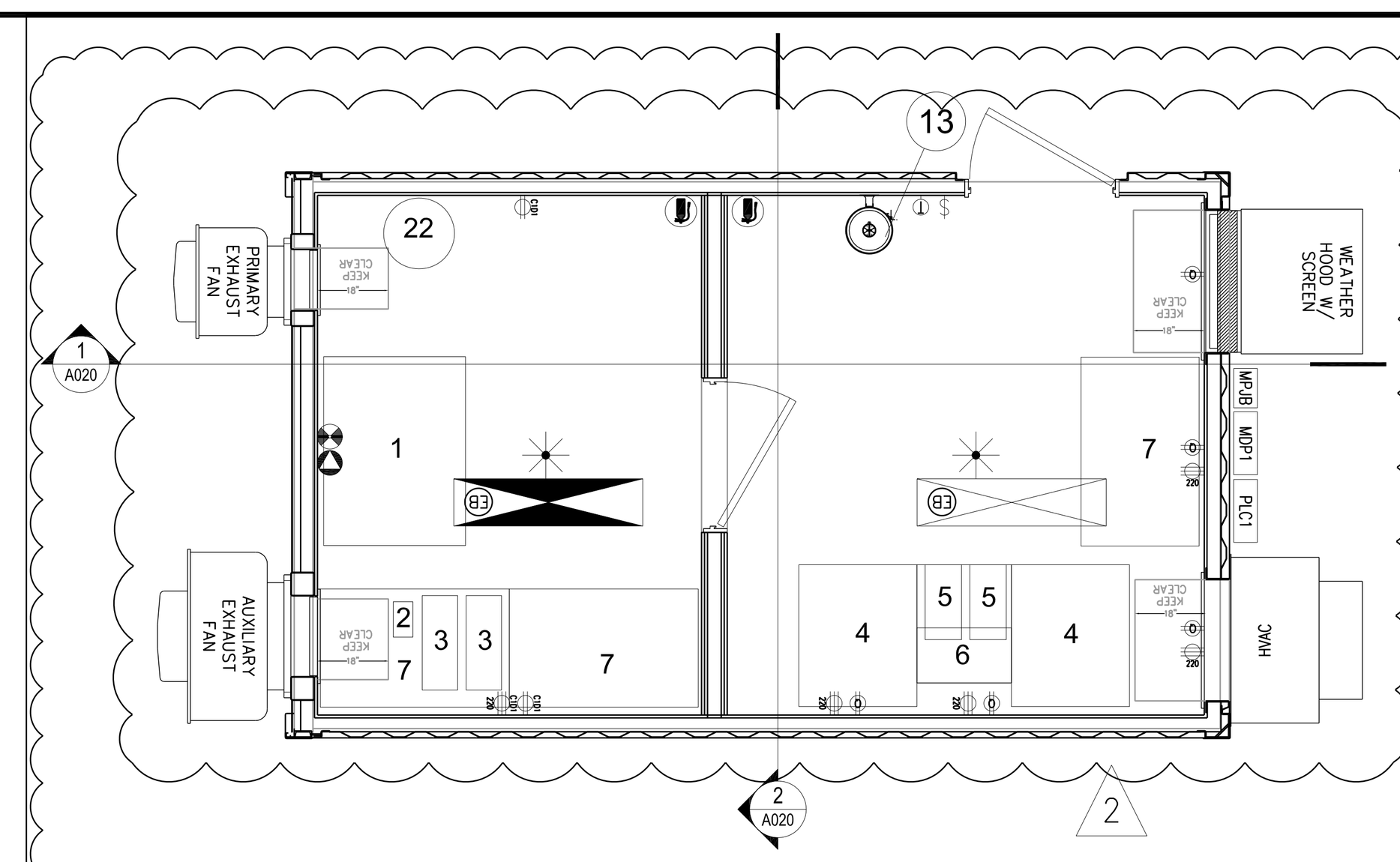
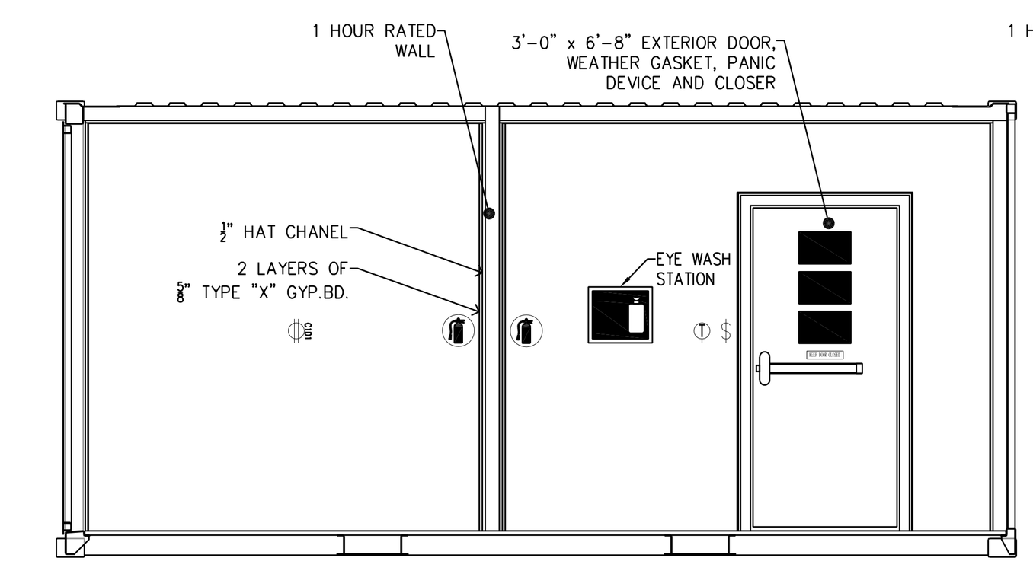
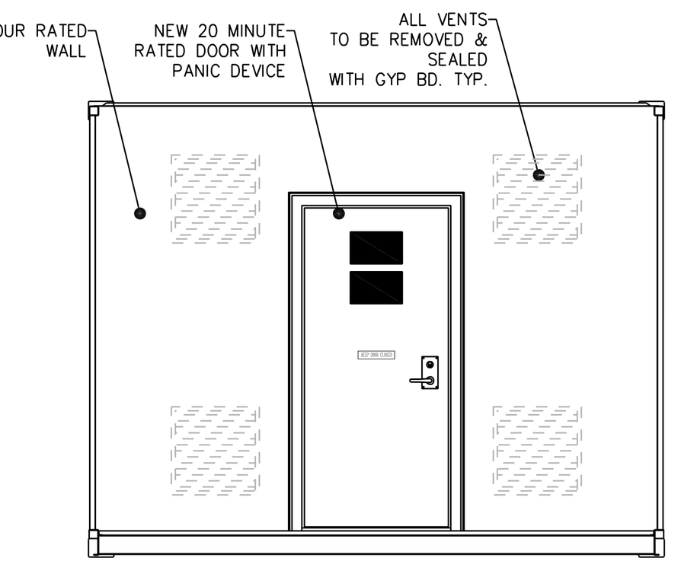
	Room Requirements MASTER														
	Payson Extraction FlexMod Lab - Phase 1														
	Room	**Qty**	**Indentifier**	**Equipment**	**Lead Times**	**Manufacturer**	**Model**	**Tabletop?**	**Dimensions (inches) (DxWxH)**	**Amps**	**Wattage**	**HP**	**Voltage**	**Phase**	**Notes**
	Flexmod C1D1	1	1	Beest Large 10lb Hydrocarbon Machine (Steel Only)		BizzyBee	10lb Live/w/DeWax		3' x 4' x 7'	NA	NA	NA	NA	NA	
	Flexmod C1D1	1	2	Diaphram Vac Pump		Welch	2019	Yes	8.8" x 5" x 8.8"	2.5A			115V/60Hz	1	
	Flexmod C1D1	2	3	Chiller -20		Polyscience	SD07R-20	Yes	22"x9"x25"	12A			120/240	1	Needs Dedicated Circuit
	Flexmod C1D2	4	4	4 Ovens + 2Racks		Cascade	CDO-5 Benchtop	Yes	34.1"W x 28.1" D x 38.75"H	4x 20A			120/220		https://cascadesciences.com/shop/vacuum/vacuum-ovens/vacuum-oven-packages/tvo-5b-double-up/
	Flexmod C1D2	2	5	Aligent IDP-15 Scroll Vac Pump		Aligent	IDP-15	Yes	9" x 19" x 14"	15A		.75HP	125V	1	
	Flexmod C1D2	1	6	ThermoFisher RVT400 Cold Trap		Thermofisher	RVT-400	Yes	24" x 14" x 12"	10A			115V/50/60 Hz	1	
	Flexmod C1D1 & Flexmod C1D2	3	7	Stainless Steel tables		Uline	Uline Deluxe	No	30" x 48" 16 Gauge	NA	NA	NA	NA	NA	
	Flexmod C1D2	1	8	Walk-in Freezer -20 (20' x 10')		TBD	Neg -20 F	No	20' x 10'	TBD					
	Flexmod C1D1	1	22	Oily Waste Can		Uline	NA	No	18" Diameter	NA					For disposal of post-processed material for disposal. Needs to have backup power.



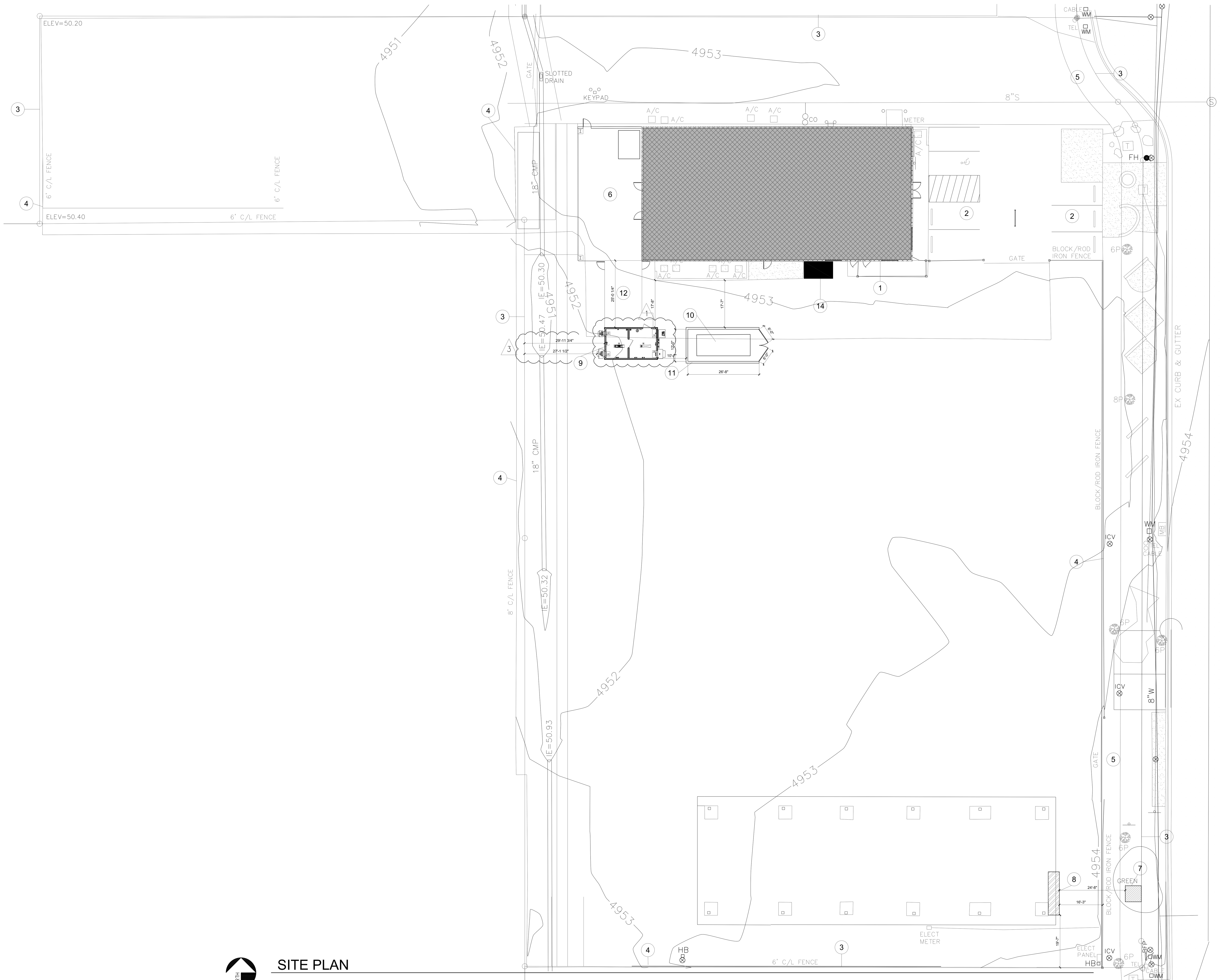
FLEX MOD FLOOR PLAN $\frac{1}{4}$" = 1'-0"



SECTION 1 $\frac{1}{4}$" = 1'-0"



SECTION 2 $\frac{1}{4}$" = 1'-0"



SITE PLAN

1/16" = 1'

PROJECT STATISTICS

PROJECT PALO VERDE - TONTO, PAYSON

OWNER PAYSON 200 LLC
4810 E PRESIDIO RD
SCOTTSDALE, AZ 85254

PROJECT DESCRIPTION: CONNECTION OF PREMANUFACTURED FLEXMOD SPACE TO EXISTING GROW BUILDING

APN: 304-56-010B

SECTION TOWNSHIP RANGE: 26 2N 2E

ZONING M-1 LIGHT INDUSTRIAL

OCCUPANCY B, F-1

CONSTRUCTION TYPE V-B

CONSTRUCTION CODES
ALL CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING CODES AND AMENDMENTS PER THEIR ADOPTING ORDINANCES.

2012 INTERNATIONAL BUILDING CONSTRUCTION CODE
2011 NATIONAL ELECTRICAL CODE
2012 UNIFORM PLUMBING CODE
2012 INTERNATIONAL MECHANICAL CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE
PAYSON ZONING ORDINANCE
2012 INTERNATIONAL FIRE CODE

KEYNOTES

1. EXISTING BUILDING
2. PARKING LOT
3. PROPERTY LIMIT
4. METAL FENCE
5. ACCESS
6. OUTDOOR COVERED AREA
7. FUTURE TRANSFORMER LOCATION
8. SES
9. FLEXMOD CONTAINER UNIT STAGE 1
10. MOBILE GENERATOR
11. NOISE BUFFERING WALL AROUND MOBILE GENERATOR, SPLIT FACE BLOCK MASONRY AND CORRUGATED METAL GATE, BOTH PAINTED TO MATCH EXISTING BUILDING.
12. GATED AND COVERED ACCESS PATH TO FLEX-MOD UNIT.
13. PORTABLE EYE-WASH (NO PLUMBING)
14. LPG STORAGE AREA
15. MAXIMUM ALLOWABLE BUTANE IN BUILDING AT ANY ONE TIME IS 100LB.

LEGEND

EXISTING BUILDING

FUTURE TRANSFORMER

SES

DW — DRAIN WASH DIRECTION

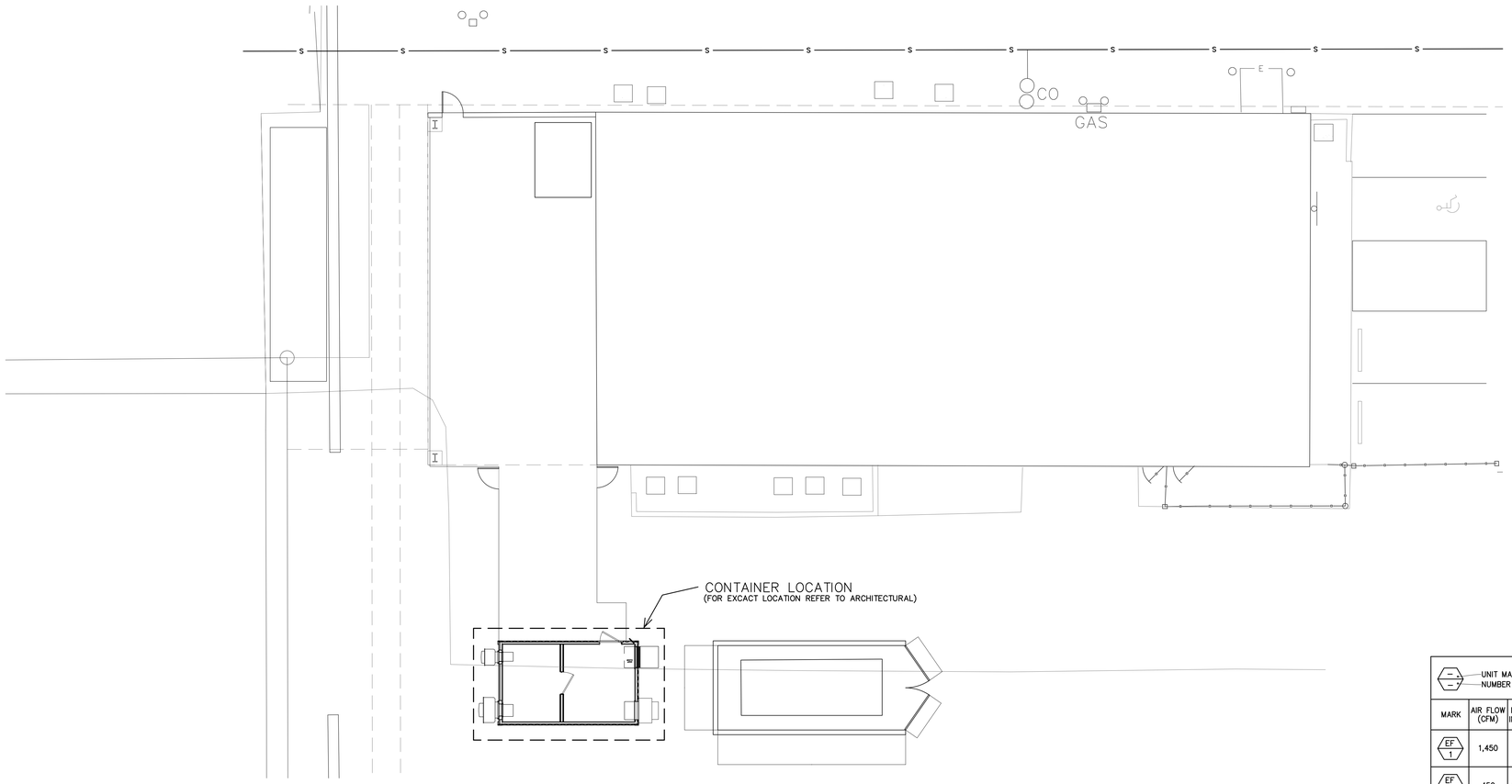
1 SANITATION COMMENTS 05/07/19
2 CITY COMMENTS 05/08/19
3 CITY COMMENTS 06/18/19
4 REVISIONS 07/15/19

KEY:

SHEET TITLE:
SITE PLAN
PHASE 1

SHEET NUMBER:
A020

DRAWN BY: DG	REVIEWED BY: NP
DATE: 4/19/2019	PROJECT NUMBER: 2019-12



NORTH

OVERALL FLOOR PLAN (A / M-1)

SCALE: 1/8" = 1' - 0"

KEY NOTES:

1. PRE-FABRICATED AUXILIARY PACKAGED VERTICAL WALL MOUNTED UNIT REMAINS. FOR MODEL REFER TO SCHEDULE ON THIS SHEET.
2. SPLIT SYSTEM (WALL MOUNTED) FCU LOCATION. FOR MODEL REFER TO SCHEDULE ON THIS SHEET. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
3. SPLIT SYSTEM (ON ROOF INSTALLED) CU. FOR MODEL REFER TO SCHEDULE ON THIS SHEET. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
4. EXPLOSION PROOF SPLIT SYSTEM (WALL MOUNTED) FCU LOCATION. FOR MODEL REFER TO SCHEDULE ON THIS SHEET. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
5. EXPLOSION PROOF SPLIT SYSTEM (ON ROOF INSTALLED) CU. FOR MODEL REFER TO SCHEDULE ON THIS SHEET. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.
6. EXPLOSION PROOF WALL MOUNTED EXHAUST FAN. FOR MODEL REFER TO SCHEDULE. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS. THE FAN SHALL BE IN MODE "ON" CONTINUOUSLY WHEN THE LIGHTING IS ON. THE FAN SHALL BE INSTALLED BOTTOM 12" A.F.F., COORDINATE W/PROCESSING STAFF.
7. EXPLOSION PROOF WALL MOUNTED AUXILIARY EMERGENCY EXHAUST FAN. FOR MODEL REFER TO SCHEDULE. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS. THE FAN SHALL BE INSTALLED BOTTOM 12" A.F.F., COORDINATE W/PROCESSING STAFF.
8. 32"x16" BAROMETRIC INTAKE DAMPER LOCATION. INSTALL HEPA 500 FILTER. MANUFACTURER: GREENHECK MODEL: BR-32
9. 16"x16" BAROMETRIC INTAKE DAMPER LOCATION. INSTALL HEPA 500 FILTER. MANUFACTURER: GREENHECK MODEL: BR-32
10. PRE-FABRICATED INTAKE DAMPER WITH WEATHER HOOD. MANUFACTURER: GREENHECK MODEL: VCD-42 REMAINS.
11. ORIGINAL OVEN VENT UP THRU ROOF TO DAY LIGHT.
12. GAS DETECTION UNIT, FOR MORE INFO REFER TO MANUFACTURER'S DOCUMENTS.
13. INTERIOR HORN, FOR MORE INFO REFER TO MANUFACTURER'S DOCUMENTS.

GENERAL NOTES:

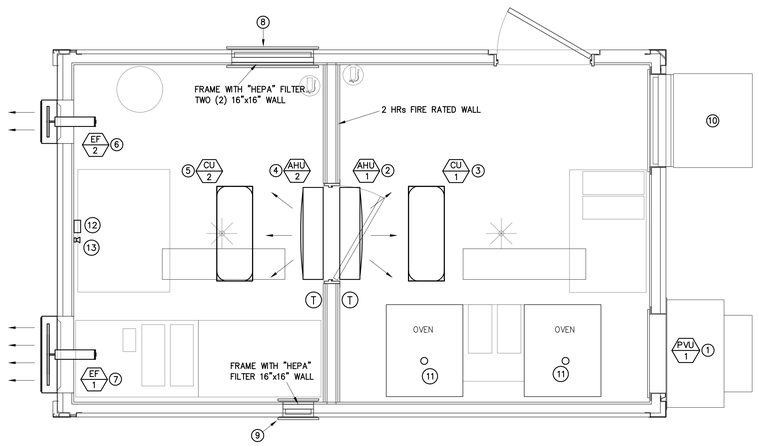
1. COORDINATE EXACT LOCATIONS OF DIFFUSERS AND GRILLES WITH LIGHTING AND ARCHITECTURAL PLANS.
2. INSTALLATION OF A HOOD EXTINGUISHING SYSTEM AND ANY MODIFICATIONS TO THE FIRE ALARM SYSTEM, WILL REQUIRE SEPARATE PERMITS FROM THE PAYSON FIRE DEPARTMENT. (IMC, SECTION 509.1).
3. COORDINATE EXACT MOUNTING LOCATION OF T'STATS WITH ARCHITECTURAL PLANS. INSTALL T-STATS AT 48"A.F.F. INSTALL T-STATS PER LATEST ADA REQUIREMENTS.
4. BALANCE SYSTEM AS SHOWN.
5. IMC 2012 USED.

UNIT MARK / NUMBER

EXPLOSION PROOF EXHAUST FAN SCHEDULE

MARK	AIR FLOW (CFM)	E.S.P. IN. WC	TYPE	DRIVE	RPM	ELECTRICAL VOLTS	PHASE	AMPS	HP	MANUFACTURER/ MODEL # (OR EQUAL)	OPERATING WEIGHT (LBS)	REMARKS
EF 1	1,450	0.20	WALL	DIRECT	1625	208	1	3.1	1/3	CANARM SD12-XPF	42	1, 2, 3, 4, 5
EF 2	450	0.20	WALL	DIRECT	1625	208	1	3.3	1/3	CANARM SD10-XPF	39	1, 2, 3, 5

REMARKS
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE W/INTEGRAL GRILLE, BACKDRAFT DAMPER, BIRDSCREEN, AND FAN SPEED CONTROL.
3. PROVIDE SEPARATE SWITCH FOR FAN CONTROL.
4. AUXILIARY EXHAUST EMERGENCY FAN FOR VENTING.
5. EXPLOSION PROOF EXHAUST FAN.



NORTH

MECHANICAL FLOOR PLAN (A / M-1)

SCALE: 1/2" = 1' - 0"

ROOM EMERGENCY AIR-CHANGE TIME PERIOD

V - VOLUME (CF)
EXHAUST FAN CAPACITY (CFM)
ACH - ROOM AIR CHANGE
ACH = CFM x 60 MIN/V

EXTRACTION ROOM VOLUME = 810 CF (90sf x 9h)
EXHAUST FAN CAPACITY ..... 1,450 CFM @ 0.20 STATIC
ACH = 107.4 (ONE ROOM AIR CHANGE OCCUR IN 0.6 MIN PERIOD OF TIME)

EXHAUST SYSTEM OPERATION

* SYSTEM DESIGN
THE FLAMMABLE GAS DETECTION SYSTEM SHALL BE LISTED OR APPROVED AND SHALL BE CALIBRATED TO THE TYPES OF FUELS OR GASES USED FOR THE EXTRACTION PROCESS. THE GAS DETECTION SYSTEM SHALL BE DESIGNED TO ACTIVATE WHEN THE LEVEL OF FLAMMABLE GAS EXCEEDS 25 PERCENT OF THE LOWER FLAMMABLE LIMIT (LFL).
* TRANSMITTER FOR FLAMMABLE GAS AND VAPOR SHALL BE INTERLOCKED WITH FCU-2 UNIT AND EMERGENCY EXPLOSION PROOF WALL MOUNTED EXHAUST FAN (EF-1).
* AFTER HAZARDOUS GAS DETECTION, GAS DETECTOR SHALL SHUT DOWN FCU-2 AND START ROOM VENTING BY EMERGENCY EXPLOSION PROOF WALL MOUNTED EXHAUST FAN (EF-1).
* DURING EMERGENCY ROOM VENTING, FCU-2 UNIT SHALL BE IN MODE "OFF", AND EXHAUST FAN WILL DISCHARGE 5100 CFM OF AIR TO OUTSIDE AND THE SAME (MAKE-UP) AIR AMOUNT SHALL BE RECOVERED BY WALL MOUNTED BAROMETRIC INTAKE DAMPER.
* AFTER HAZARDOUS GAS DETECTION, EMERGENCY EXPLOSION PROOF WALL MOUNTED EXHAUST FAN SHALL BE IN MODE "ON" FOR MINIMUM 3.0 MINUTES (FIVE ROOM AIR CHANGES).
* EXPLOSION PROOF EXHAUST FAN (EF-2) SHALL WORK CONTINUOUSLY WHEN THE LIGHTING IS "ON".

UNIT MARK / NUMBER

PACKAGE VERTICAL UNIT HEAT PUMP SCHEDULE

MARK	TOTAL CFM	FAN RPM	OUTSIDE AIR	E.S.P. H_2O	EER/COP	ELECTRICAL VOLTAGE	PHASE	MCA	TEMPERATURES DB/WB (°F)	COOLING TOTAL CAPACITY MBH	COOLING SENSIBLE CAPACITY MBH	MANUFACTURER/ MODEL NUMBER OR EQUAL	OPER. WEIGHT	REMARKS
PVU 1	1,650	–	–	0.2	10.7/3.2	208	3	58	73.3/63.2	57.5	41.4	BARD T60H1-B15	575	1, 2, 3, 4, 5

NOTES
1. PROVIDE ROOF CURB BY UNIT MANUFACTURER.
2. PROVIDE UNIT WITH BIRDSCREEN AND BACKDRAFT DAMPER ON O/A INTAKE.
3. PROVIDE UNIT WITH 2" THROW-AWAY FILTERS.
4. PROVIDE AND INSTALL PROGRAMMABLE THERMOSTAT W/ LOCKING COVER, LOCATION INDICATED ON PLANS. PROVIDE ALL CONTROL WIRING, CONDUIT, TRANSFORMERS, ETC. FOR A COMPLETE AND OPERABLE SYSTEM.
5. PROVIDE MECHANICAL EQUIPMENT RESTRAINT AS REQUIRED BY LOCAL CODE.

NOTE: OUTSIDE AMBIENT TEMP. 95/60 °F

UNIT MARK / NUMBER

DUCTLESS SPLIT SYSTEM SCHEDULE

INDOOR UNIT MARK	AIR FLOW (CFM)	ELECTRICAL VOLTAGE/PH/MCA	OPER. WEIGHT (LBs)	MANUFACTURER/ MODEL NUMBER OR EQUAL	OUTDOOR UNIT MARK	COOLING CAPACITY AT STANDARD TEMP. (BTU/H)	ELECTRICAL VOLTAGE/PH/MCA	OPER. WEIGHT (LBs)	EFFICIENCY SEER/HSPF	MANUFACTURER/ MODEL NUMBER OR EQUAL	REMARKS
FCU 1	705 (MEDIUM)	208/1/0.4	40	LG LSN243HLV	CU 1	22,000	208/1/19.0	125	21.5/11.0	LG LSU243HLV	1, 2, 3
FCU 2	750	208/1/0.7	116	SAFE-AIR TECHNOLOGY AH-HW-D-24000-N-2-ICD1	FCU 2	24,000	208/1/16.0	246	--	SAFE-AIR TECHNOLOGY CU-MS-H-D-24000-2-1CD1	1, 2, 3, 4

NOTES
1. PROVIDE ALL REQUIRED MATERIALS & REFRIGERANT LINES FOR A COMPLETE INSTALLATION
2. INSTALL UNITS AS RECOMMENDED BY MANUFACTURER.
3. REFRIGERANT ___ R410A.
4. EXPLOSION PROOF DUCTLESS SPLIT SYSTEM (FCU & CU).

SEQUENCE OF OPERATIONS:

EXTRACTION FAN ROOM:
THE FAN SHALL POWER ON BASED ON WALL SWITCH POSITION. ADDITIONALLY, WHEN FLAMMABLE GAS SENSOR SENSES 25% OF THE LOWER FLAMMABILITY LIMIT (8000 PPM ETHANOL) OR HIGHER, THE FAN AND GRAVITY DAMPER SHALL POWER ON. THE FLAMMABLE GAS ALARM SHALL REQUIRE MANUAL RESET.

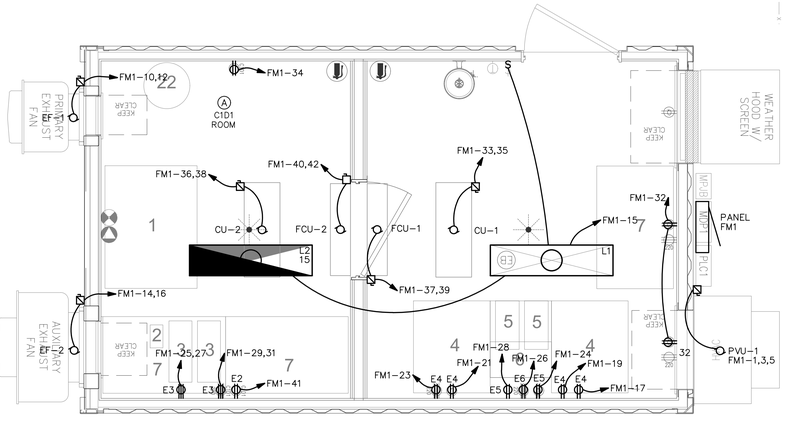
FLAMMABLE GAS ALARMS:
FLAMMABLE GAS ALARMS SHALL ACTIVATE AN AUDIOVISUAL ALARM IN THE SPACE AT 25% OF THE LOWER FLAMMABILITY LIMIT (8000 PPM) OR HIGHER. IN THE ROOM 25% LFL LEVEL WILL ACTIVATE THE SHUNT TRIP BREAKER REMOVING POWER FROM THE OUTLETS, HVAC EQUIPMENT AND LIGHTS IN THE ALARMED SPACE AND SHALL ACTIVATE THE VENTILATION FAN IN THE ROOM. THE POWER, FAN AND ALARM SHALL REQUIRE A MANUAL RESET. FLAMMABLE GAS ALARMS SHALL HAVE A DEDICATED POWER FEED SEPARATE FROM THE ROOM.

FM1

ROOM EXTERIOR FLEX MOD | VOLTS 208Y/120V 3P 4W | AIC 10,000
MOUNTING SURFACE | BUS AMPS 400 | MAIN BKR 300
FED FROM TFM | NEUTRAL 100% | LUGS STANDARD
NOTE NEMA-3R

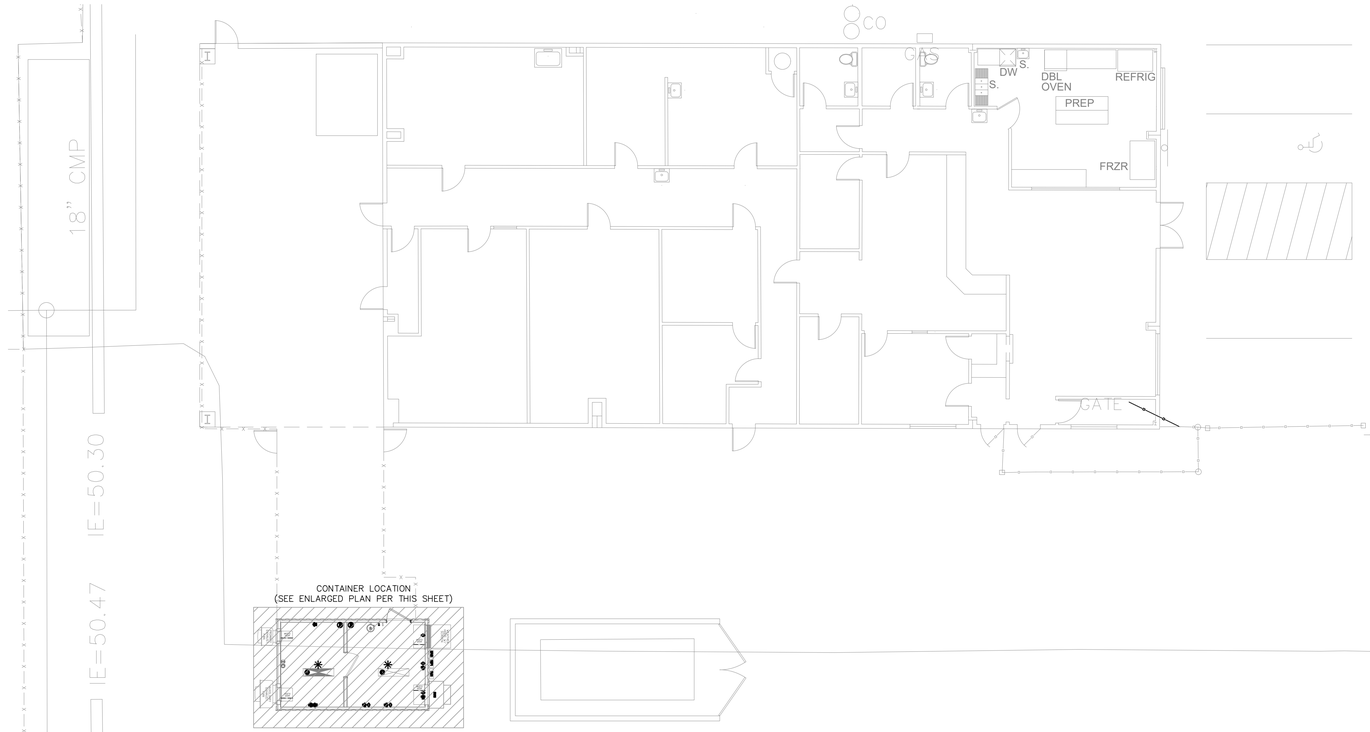
CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	B	C
1	60/3	PVU-1	5.57			2	-/1	SPACE	0		
3	|			5.57		4	-/1	SPACE		0	
5	|				5.57	6	-/1	SPACE			0
7	-/1	SPACE	0			8	-/1	SPACE	0		
9	-/1	SPACE		0		10	20/2	EF-1		0.322	
11	-/1	SPACE			0	12	|				0.322
13	-/1	SPACE	0			14	20/2	EF-2	0.343		
15	20/1	EM. BALLAST/ LIGHTING		0.1		16	|			0.343	
17	20/1	E4 - OVEN			1.68	18	-/1	SPACE			0
19	20/1	E4 - OVEN	1.68			20	-/1	SPACE	0		
21	20/1	E4 - OVEN		1.68		22	-/1	SPACE		0	
23	20/1	E4 - OVEN			1.68	24	20/1	E5 - ALIGENT VAC PUMP			1.8
25	20/2	E3 - CHILLER-20	1.25			26	20/1	E6 - THERMOFISHER COLD TRAP	1.2		
27	|			1.25		28	20/1	E5 - ALIGENT VAC PUMP		1.8	
29	20/2	E3 - CHILLER-20			1.25	30	-/1	SPACE			0
31	|		1.25			32	20/1	RECEPTACLE	0.36		
33	30/2	CU-1		1.66		34	20/1	C1D1 RECEPTACLE		0.18	
35	|				1.66	36	30/2	CU-2			1.46
37	20/2	FCU-1	0.042			38	|		1.46		
39	|			0.042		40	20/2	FCU-2		0.073	
41	20/1	E2 - DIAPHRAM VAC PUMP			0.3	42	|				0.073
								TOTAL CONNECTED KVA BY PHASE	13.1	13	15.8
								TOTAL CONNECTED AMPS BY PHASE	110	108	132

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	0.1	0.125	(125%)	MOTORS	41.3	41.3	(100%)
LARGEST MOTOR	16.7	4.18	(25%)	RECEPTACLES	0.54	0.54	(50%>10)
				TOTAL LOAD		46.2	
				BALANCED 3-PHASE AMPS		128	



NORTH

ELECTRICAL FLOOR PLAN
SCALE: 1/2" = 1'-0"



NORTH

OVERALL FLOOR PLAN PLAN
SCALE: 1" = 20'-0"

POWER GENERAL NOTES

A. ALL EXTERIOR DISCONNECTS SHALL BE W.P. TYPE.

B. ALL RECEPTACLES WITHIN 6'-0" OF A SINK TO BE GFCI RATED.

C. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT.

D. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION REQUIREMENTS (HP, AMPS, VOLTAGE, PHASE, MOUNTING HEIGHT, AND DISCONNECTING MEANS) FOR ALL EQUIPMENT SUPPLIED BY OTHERS BEFORE ROUGH-IN. DISCONNECT SWITCHES SHALL BE LOCATED WITH NEC CODE CLEARANCE OR PROVIDE LOCKOUT TYPE C/B.

E. ELECTRICAL CONTRACTOR RESPONSIBLE FOR COORDINATING EXACT LOCATION, QUANTITIES, AND INSTALLATION REQUIREMENTS OF ELECTRICAL EQUIPMENT IN MILL WORK.

F. ALL EXTERIOR RECEPTACLES SHALL BE W.P./GFCI TYPE.

G. ALL ELECTRICAL PANEL BOARDS SHALL MAINTAIN 3'-0" INFRONT WORKING CLEARANCE REFER TO ONE-LINE FOR DETAILS.

H. ELECTRICAL CONTRACTOR SHALL PROVIDE #6 COPPER GROUND TO ANY NEW METAL GAS PIPE SYSTEMS PER NEC 250.

I. CONDUIT AND WIRING SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE THE NUMBER OF CONDUCTORS REQUIRED FOR HOT-LEGS, NEUTRAL, AND GROUNDING AT EACH DEVICE FOR PROPER BRANCH CIRCUITING SHOWN FOR EACH AREA OR ROOM.

MECHANICAL GENERAL NOTES

A. VERIFY ALL MECHANICAL UNIT LOCATIONS WITH MECHANICAL PLANS.

B. THE ELECTRICAL CONTRACTOR SHALL NOT MOUNT DISCONNECT EQUIPMENT DIRECTLY TO MECHANICAL UNITS FOR DISCONNECTS 200A AND LARGER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A SELF-SUPPORTING SYSTEM FOR DISCONNECT EQUIPMENT.

C. PROVIDE WEATHERPROOF, HEAVY DUTY, NEMA 3R FUSIBLE DISCONNECT SWITCHES FOR ALL MECHANICAL UNITS LOCATED OUTSIDE.

D. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT GFCI (PASS & SEYMOUR 2095DSWRBK OR EQUAL), INSTALLED IN A WEATHERPROOF ENCLOSURE WITH A WHILE IN USE COVERPLATE (PASS & SEYMOUR #WIUC10DCL OR EQUAL).

E. EXHAUST FANS MOUNTED OUTSIDE SHALL HAVE A WEATHERPROOF DISCONNECT MOUNTED EXTERIOR TO THE UNIT. INTERNAL DISCONNECT SWITCHES SHALL NOT BE ALLOWED.

HAZARDOUS AREA NOTE

(A) ALL ELECTRICAL DEVICES/WIRING WITHIN WORK ROOM ADJACENT TO EXTRACTION ROOM SHALL COMPLY WITH CEC ARTICLE 501 CLASS 1 DIVISION 2 HAZARDOUS AREA WHERE FIRE OR EXPLOSION HAZARDS MAY EXIST DUE TO FLAMMABLE GASSES OR VAPORS OR FLAMMABLE LIQUIDS

MECHANICAL EQUIPMENT SCHEDULE

CALLOUT	DESCRIPTION	SYMBOL	VOLTS	FLA	MCA	MOCP	CIRCUIT	WIRE CALLOUT	NOTE 1
CU-1	OUTDOOR UNIT		208V 2P 2W	16	19	30	FM1-33,35	3/4"C,2#10,#10G	PROVIDE 30A/2P NEMA-3R DISC. SWITCH FUSED PER UNIT NAMEPLATE.
CU-2	OUTDOOR UNIT		208V 2P 2W	14	16	30	FM1-36,38	3/4"C,2#10,#10G	PROVIDE 30A/2P NEMA-3R DISC. SWITCH FUSED PER UNIT NAMEPLATE.
EF-1	EXHAUST FAN		208V 2P 2W	3.1		20	FM1-10,12	3/4"C,2#12,#12G	PROVIDE 30A/2P NEMA-3R DISC. SWITCH FUSED PER UNIT NAMEPLATE.
EF-2	EXHAUST FAN		208V 2P 2W	3.3		20	FM1-14,16	3/4"C,2#12,#12G	PROVIDE 30A/2P NEMA-3R DISC. SWITCH FUSED PER UNIT NAMEPLATE.
FCU-1	INDOOR UNIT		208V 2P 2W		0.4	20	FM1-37,39	3/4"C,2#12,#12G	PROVIDE 30A/2P NEMA-1 DISC. SWITCH FUSED PER UNIT NAMEPLATE.
FCU-2	INDOOR UNIT		208V 2P 2W		0.7	20	FM1-40,42	3/4"C,2#12,#12G	PROVIDE 30A/2P NEMA-1 DISC. SWITCH FUSED PER UNIT NAMEPLATE.
PVU-1	PACKAGE VERTICAL UNIT HEAT PUMP		208V 3P 3W	46.4	58	60	FM1-1,3,5	1"C,3#4,#10G	PROVIDE 60A/3P NEMA-3R DISC. SWITCH FUSED PER UNIT NAMEPLATE.

GENERAL EQUIPMENT SCHEDULE

CALLOUT	DESCRIPTION	SYMBOL	VOLTS	CALCULATED AMPS	MOCP	WIRE CALLOUT
E2	DIAPHRAM VAC PUMP		120V 1P 2W	2.5	20	3/4"C,2#12,#12G
E3	CHILLER-20		208/120V 2P 3W	12	20	3/4"C,3#12,#12G
E3	CHILLER-20		208/120V 2P 3W	12	20	3/4"C,3#12,#12G
E4	OVEN		120V 1P 2W	14	20	3/4"C,2#12,#12G
E5	ALIGENT IDP SCROLL VAC PUMP		120V 1P 2W	15	20	3/4"C,2#12,#12G
E5	ALIGENT IDP SCROLL VAC PUMP		120V 1P 2W	15	20	3/4"C,2#12,#12G
E6	THERMOFISHER RVT400 COLD TRAP		120V 1P 2W	10	20	3/4"C,2#12,#12G

KEY: