

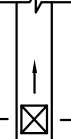
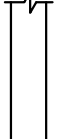

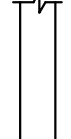
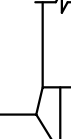

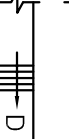

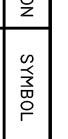

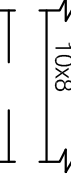
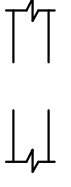


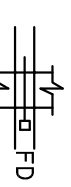
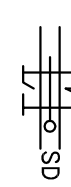
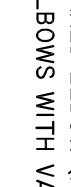



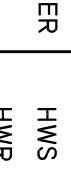



























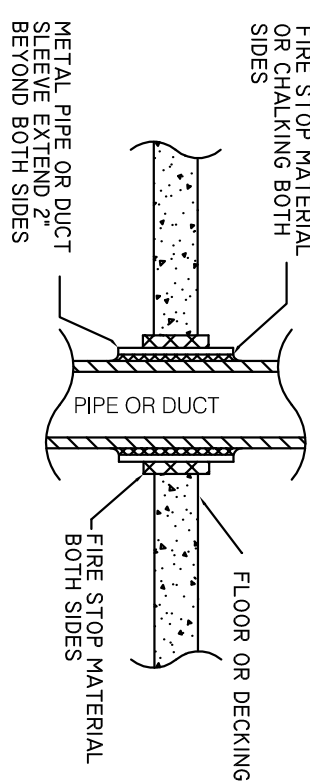


MECHANICAL LEGEND

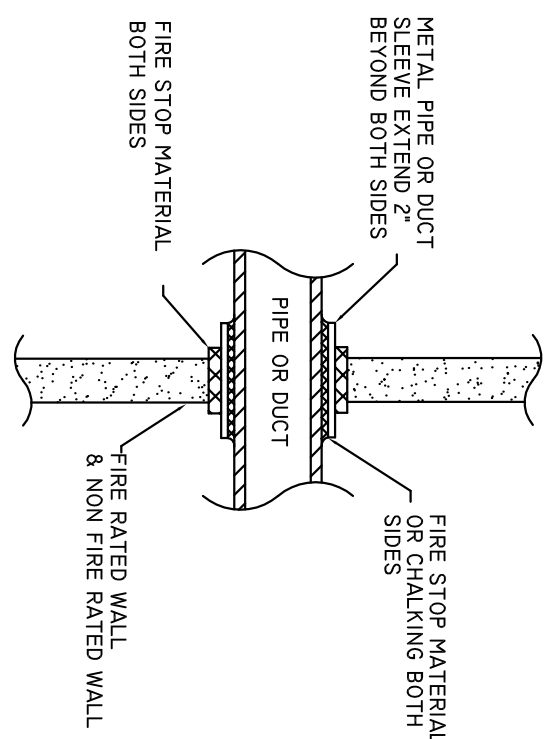
SYMBOLS & ABBREVIATIONS

	UP	DN	SUPPLY DUCT (UP & DOWN)
	DN	UP	RETURN OR EXHAUST DUCT (UP & DOWN)
			CEILING DIFFUSERS
			SUPPLY TOP REGISTER OR GRILL (WALL TYPE)
			RETURN OR EXHAUST CEILING REGISTER OR GRILL
			EXHAUST BOTTOM REGISTER OR GRILL (WALL TYPE)
			EXHAUST OR RETURN TOP OF REGISTER GRILL (WALL TYPE)
			VANE TURN ELBOW & AIR SPLIT TYPE DUCT TAKE OFF
			CONNECT NEW DUCT TO EXISTING DUCT
			INCLINED RISE IN DIRECTION OF AIR FLOW
			INCLINED DROP IN DIRECTION OF AIR FLOW
			FLEXIBLE CONNECTION
	10x8		NEW DUCT - WIDTH X DEPTH
			EXISTING DUCT TO REMAIN
			EXISTING DUCT TO BE REMOVED
			LOUVER
			ACOUSTICAL DUCT LINING
			MANUAL VOLUME DAMPER
			FIRE DAMPER
			SMOKE DAMPER
			VANED ELBOW (PROVIDE ALL SQUARE RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
			VANED ELBOW (SHORT RADIUS)
			STANDARD RADIUS ELBOW

ABBREVIATION	SYMBOL	NOMENCLATURE	ABBREVIATION	NOMENCLATURE	ABBREVIATION	NOMENCLATURE
		THERMOSTAT (DIGITAL TYPE)	FD	FIRE DAMPER	DHWR	DOMESTIC HOT WATER RETURN
		THERMOSTAT CONTROLLER (DIGITAL TYPE)	MOD	MOTOR OPERATED DAMPER	HWS	HOT WATER SUPPLY
		THERMOSTAT CONTROLLER W/ GUARD (DIGITAL TYPE)	EF	EXHAUST FAN	HMR	HOT WATER RETURN
		TEMPERATURE SENSOR	EA	EXHAUST AIR	NO	NORMALLY OPEN
		Y-STRAINER W/DRAIN VALVE & CAP	EG	EXHAUST GRILL	NC	NORMALLY CLOSED
		GATE VALVE	ACU	AIR CONDENSING UNIT	RT	RETENTION TANK
		PRESSURE GAUGE W/SHUT COCK	AHU	AIR HANDLING UNIT	CG	CHILLED WATER GENERATOR
		TEMPERATURE GAUGE	HRU	HEAT RECOVERY UNIT	CP	CIRCULATOR PUMP
		BALL VALVE	RTU	ROOF TOP UNIT	ET	EXPANSION TANK
		BALANCING VALVE	CUH	CABINET UNIT HEATER	BLR	BOILER
		3-WAY CONTROL VALVE	(E)	EXISTING	A.F.F.	ABOVE FINISHED FLOOR
		2-WAY CONTROL VALVE	(N)	NEW	USWJ	UNDER STEEL WEB JOIST
		DRAIN VALVE	VAV	VARIABLE AIR VOLUME BOX	FOR	FUEL OIL RETURN
		AIR SCOOP W/ AIR VENT	SA	SUPPLY AIR	TYP	TYPICAL
		BACK FLOW PREVENTER	RA	RETURN AIR	GPM	GALLONS PER MINUTE
		PRESSURE REGULATOR	RG	RETURN GRILL	CFM	CUBIC FEET PER MINUTE
		AUTO AIR VENT W/ SHUT COCK	RF	RETURN FAN	CWS	CHILLED WATER SUPPLY
		CHECK VALVE	FD	FLOOR DRAIN	CWR	CHILLED WATER RETURN
		WATER BUTTERFLY VALVE	SW	SANITARY WASTE	VD	VOLUME DAMPER
		SUCTION DIFFUSER	V	VENT	UH	UNIT HEATER
		PIPE FLANGE CONNECTION	LAV	LAVATORY	COND	CONDENSATE
		MULTI-PURPOSE VALVE	UR	URINAL	INV	INVERT
		FLOAT & THERMOSTATIC STEAM TRAP	WC	WATER CLOSET	AD	ACCESS DOOR
		FLOW SWITCH	EWC	ELECTRIC WATER COOLER	CW-CP	CHILLED WATER CIRCULATING PUMP
		PRESSURE SWITCH	UCWH	UNDER COUNTER WATER HEATER	EHP	EMERGENCY POWER PANEL
		BUILDING MANAGEMENT SYSTEM	SK	SINK	MDP	MAIN DISTRIBUTION PANEL
		CO2 SENSOR	HB	HOSE BIB	VFD	VARIABLE FREQUENCY DRIVE
			CO	CLEAN OUT	ATC	AUTOMATIC TEMPERATURE CONTROL
			DHW	DOMESTIC HOT WATER	A.L.	ACOUSTICAL DUCT LINER
			DCW	DOMESTIC COLD WATER	O.W.S.J.	OPEN WEB STEEL JOIST
			HUM	HUMIDIFIER	AC	AIR CONDITIONING EVAPORATOR
			WDB	WATER DRAIN BASIN	CU	AIR CONDENSING UNIT
			DCW	DOMESTIC COLD WATER		





























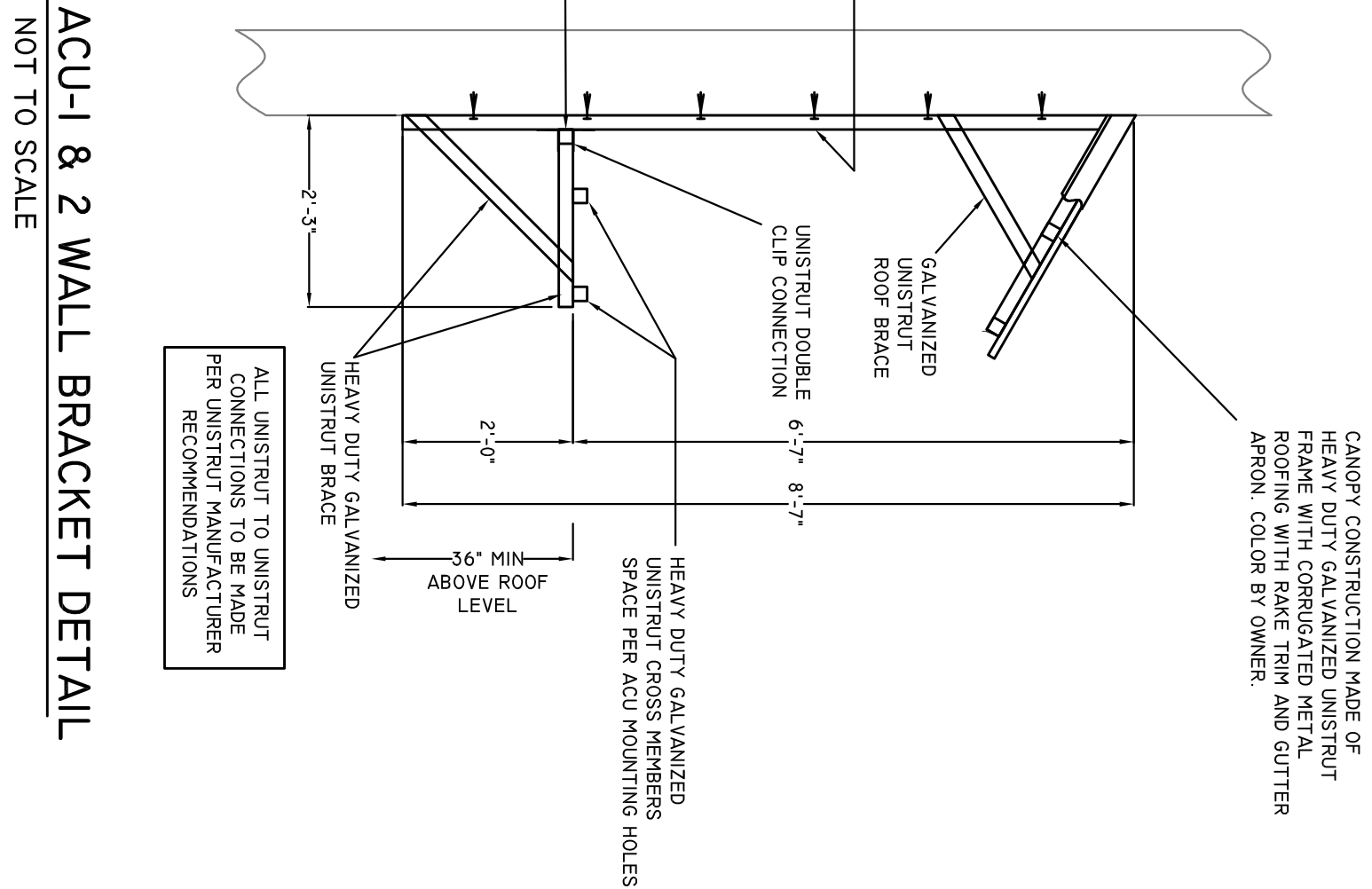
FLOOR OR DECK PENETRATION DETAIL
NOT TO SCALE



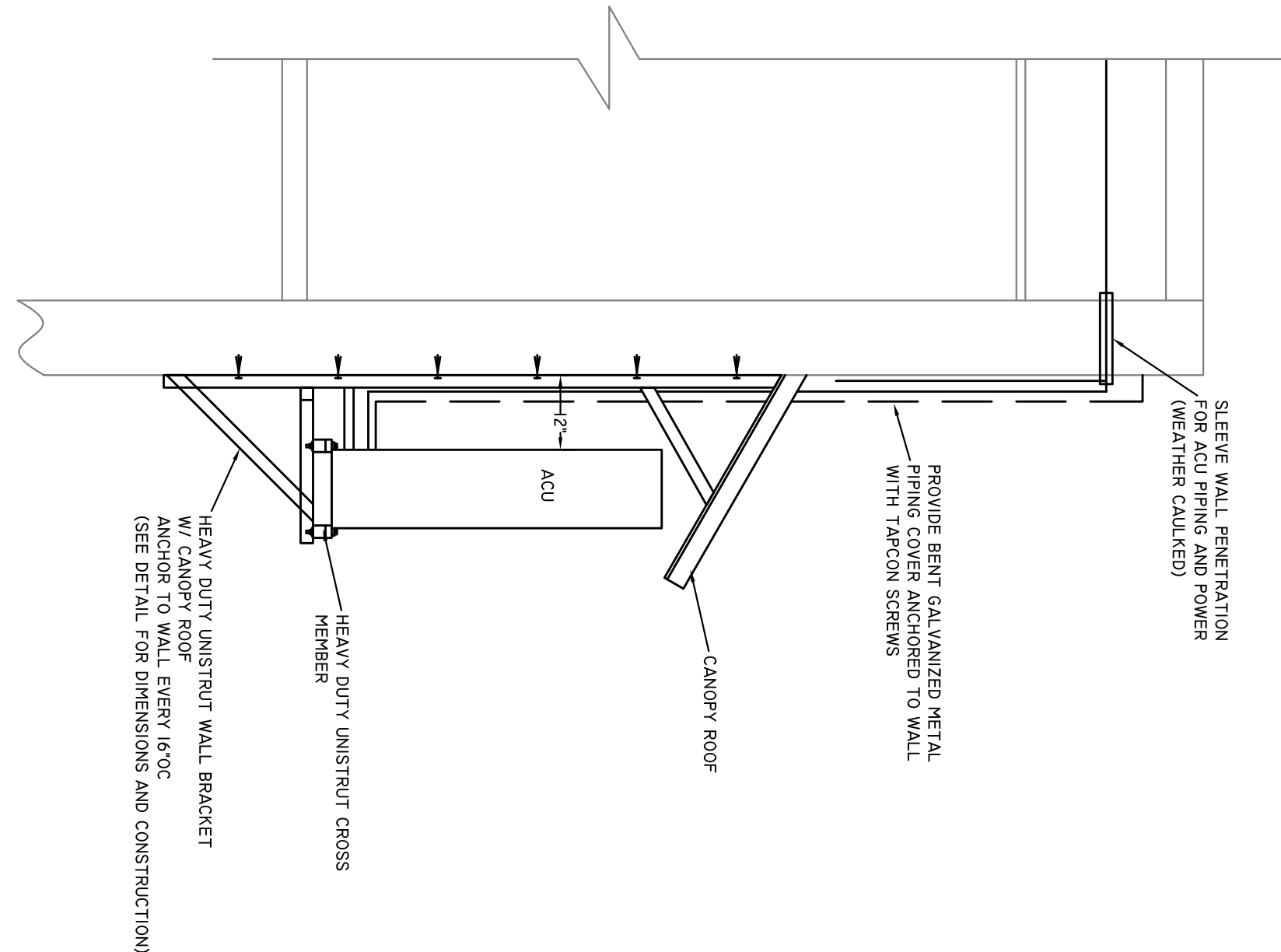
WALL PENETRATION DETAIL
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ELECTRICAL POWER LEGEND

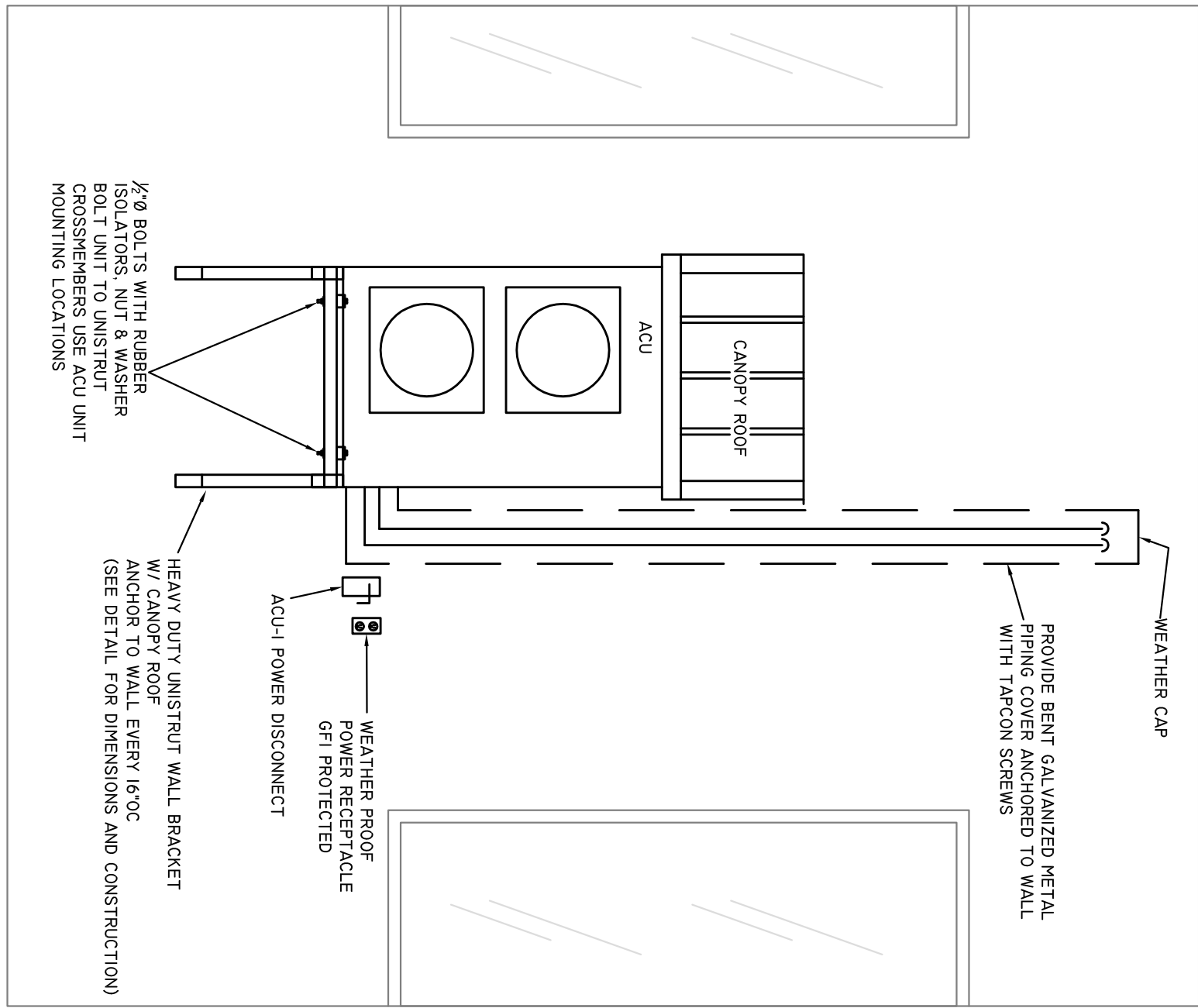
SYMBOL	DESCRIPTION
	120V DUPLEX RECEPTACLE
	120V ISOLATED GROUND DUPLEX RECEPTACLE
	120V UNDER COUNTER DUPLEX RECEPTACLE
	240 V AC STOVE RECEPTACLE
	120V GROUND FAULT INTERRUPTER EXTERIOR DUPLEX RECEPTACLE
	2 WAY TOGGLE SWITCH
	3 WAY SWITCH
	DIMMER SWITCH
	SWITCH PILOT LIGHT
	FAN CONTROL SWITCH
	MOTION DETECTOR SWITCH
	JUNCTION BOX
	RELAY
	KEYPAD SWITCH
	SERVICE DISCONNECT
	FUSED DISCONNECT
	VARIABLE SPEED DRIVE
	MOTOR STARTER / LIGHT RELAY
	ELECTRIC MOTOR
	MOTOR SERVICE SWITCH
	PANEL DESIGNATION
	WEATHER RESISTANT OUTLET
	FLOOR DUPLEX RECEPTACLE
	FLOOR BOX WITH RECEPTACLE & TELEPHONE/DATA & AUDIO/VIDEO & MICROPHONE
	MAGNETIC DOOR HOLDER
	ELECTRIC DOOR STRIKE



ACU-I & 2 WALL BRACKET DETAIL
NOT TO SCALE



ACU-I & 2 WALL INSTALLATION DETAIL
NOT TO SCALE



REV	DATE	DESCRIPTION

SHEET TITLE:

PLUMBING PLAN

APRIL 02, 2019

SCALE: AS NOTED

MEP

BREM PROJECT#: PT3064
AE PROJECT#: 1902-18