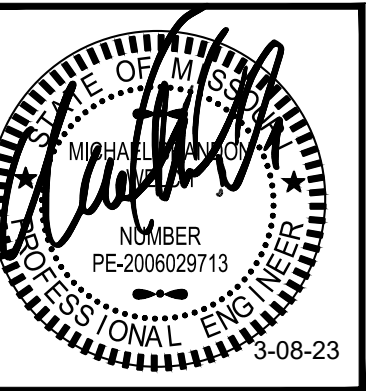


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NLV SHELL
420 SW LONGVIEW BLVD.
LEE'S SUMMIT, MO 64081



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10233 MILLSTONE DRIVE, #4112
LENEXA, KS 66220
P: 816-916-4675

JOB NO.: 2310200

DATE: 02/03/2023

REVISIONS:

City CMNTS 3/8/23

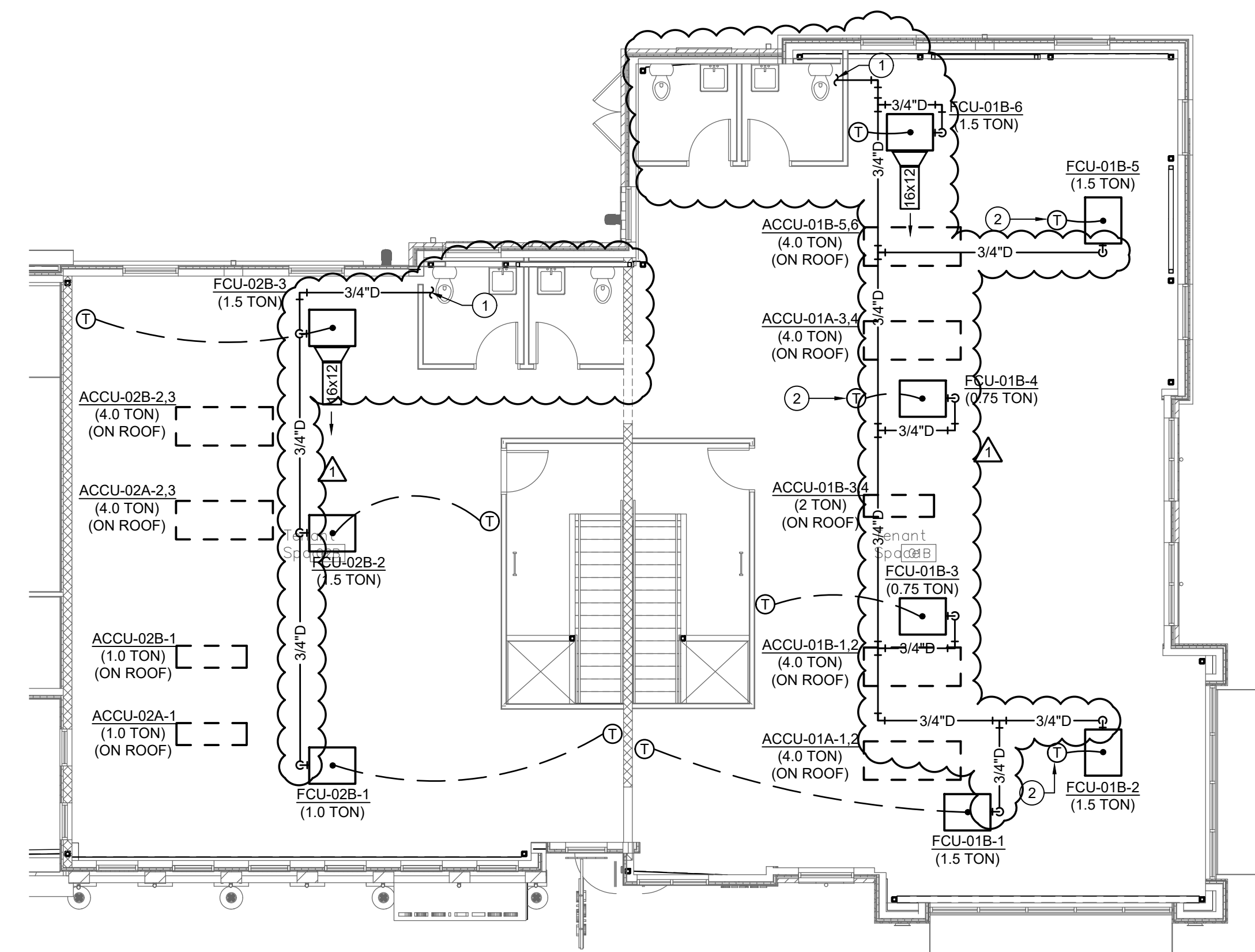
DESIGNED BY: MBW

DRAWN BY: ELS

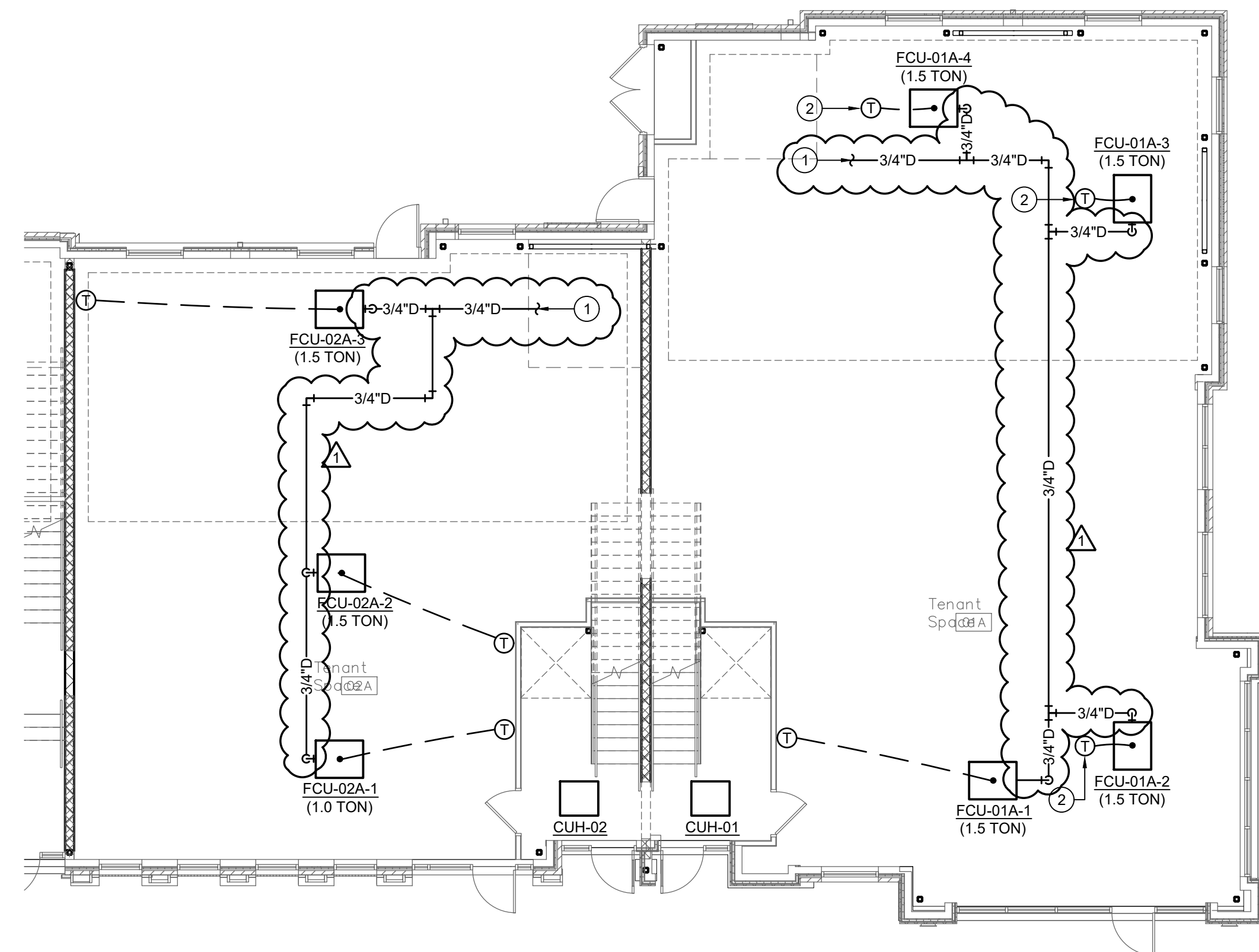
CHECKED BY: MBW

SHEET NO.

M101



2 SECOND FLOOR PLAN - MECHANICAL
1/8"=1'-0"



1 FIRST FLOOR PLAN - MECHANICAL
1/8"=1'-0"

ELECTRIC UNIT HEATER SCHEDULE					
UNIT CALLOUT	UNIT INFORMATION			NOTES	
	MFG	MODEL NO.	CAP (KW)		
CUH-01	TRANE	UHCA	5.0	208/1	1
CUH-02	TRANE	UHCA	5.0	208/1	1

NOTES:
1. PROVIDE WITH MOUNTING KIT AND REMOTE
TEMPERATURE SENSOR.

AIR COOLED CONDENSING UNIT SCHEDULE										
UNIT CALLOUT	SYSTEM	SEER	UNIT INFORMATION			CONDENSING INFORMATION				NOTES
			MFG	MODEL NO.	VOLT/ PHASE	# OF COMP	TONS	THC (MBH)	AMB TEMP (°F)	
ACCU-01A-1,2	FCU-01A-1,2	14	LENNOX	MPC048S4M-1P MS HP	208/1	1	4	48	100	1
ACCU-01A-3,4	FCU-01A-3,4	14	LENNOX	MPC048S4M-1P MS HP	208/1	1	4	48	100	1
ACCU-01B-1,2	FCU-01A-1,2	14	LENNOX	MPC048S4M-1P MS HP	208/1	1	4	48	100	1
ACCU-01B-3,4	FCU-01A-3,4	14	LENNOX	MPC024S4M-1P MS HP	208/1	1	2	24	100	1
ACCU-01B-5,6	FCU-01A-3,4	14	LENNOX	MPC048S4M-1P MS HP	208/1	1	4	48	100	1
ACCU-02A-1	FCU-02A-1	14	LENNOX	MPC012S4S-1P MS HP	208/1	1	1	12	100	1
ACCU-02A-2,3	FCU-02A-2,3	14	LENNOX	MPC048S4M-1P MS HP	208/1	1	4	48	100	1
ACCU-02B-1	FCU-02B-1	14	LENNOX	MPC012S4S-1P MS HP	208/1	1	1	12	100	1
ACCU-02B-2,3	FCU-02B-2,3	14	LENNOX	MPC048S4M-1P MS HP	208/1	1	4	48	100	1

NOTES:
1. SUPPLY WITH LOW AMBIENT KIT FOR OPERATION DOWN TO 0°F.

UNIT CALLOUT	UNIT INFORMATION						HEAT PUMP INFORMATION			DX COIL INFORMATION				NOTES
	MFG	MODEL NO.	FLOW (CFM)	VOLT/ PHASE	MCA (AMPS)	MOCP (AMPS)	EAT (°F)	LAT (°F)	CAP (BTUH)	EAT (°F)	LAT (°F)	SHC (MBH)	THC (MBH)	
FCU-01A-1	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01A-2	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01A-3	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01A-4	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01B-1	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01B-2	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01B-3	LENNOX	MMDB009S4	343	208/1	--	--	72	99.0	10002	80	59.5	7.6	9	1,2,3
FCU-01B-4	LENNOX	MMDB009S4	343	208/1	--	--	72	99.0	10002	80	59.5	7.6	9	1,2,3
FCU-01B-5	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-01B-6	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-02A-1	LENNOX	MMDB012S4	343	208/1	--	--	70	97.0	10002	80	56.9	8.6	10.8	1,2,3
FCU-02A-2	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-02A-3	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-02B-1	LENNOX	MMDB012S4	343	208/1	--	--	70	97.0	10002	80	56.9	8.6	10.8	1,2,3
FCU-02B-2	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3
FCU-02B-3	LENNOX	MMDB018S4	675	208/1	--	--	70	99.0	21141	80	59	15.3	14.4	1,2,3

NOTES:
1. SUPPLY WITH MOUNTING KIT, THERMOSTAT
2. SUPPLY WITH OVERFLOW DRAIN PAN UNDER UNIT, WITH MOISTURE SENSING DEVICE.
WIRED TO SHUT DOWN FCU SUPPLY FAN WHEN MOISTURE IS SENSED.
3. SUPPLY WITH PROSELECT PSCP220WS CONDENSATE PUMP. ROUTE PUMP DISCHARGE TO JANITOR'S SINK.

GENERAL

- ① MECHANICAL NOTE REFERENCE
- ② DEMOLITION NOTE REFERENCE
- △ REVISION NOTE REFERENCE
- ⊕ CONNECT TO EXISTING WORK

HVAC

- D HVAC CONDENSATE DRAIN
- RS REFRIGERANT SUCTION
- RD REFRIGERANT DISCHARGE
- RL REFRIGERANT LIQUID
- ① THERMOSTAT
- ①_S TEMPERATURE SENSOR
- ①_D DUCT MOUNTED SMOKE DETECTOR
- ⊗ SUPPLY DIFFUSER
- ⊠ RETURN GRILLE/EXHAUST REGISTER
- RETURN AND EXHAUST AIR FLOW INDICATOR
- ⊠ DUCT MOUNTED MANUAL BALANCING DAMPER
- ⊠ DUCT MOUNTED FIRE/SMOKE, FIRE, AND SMOKE DAMPER

3 MECHANICAL SYMBOLS