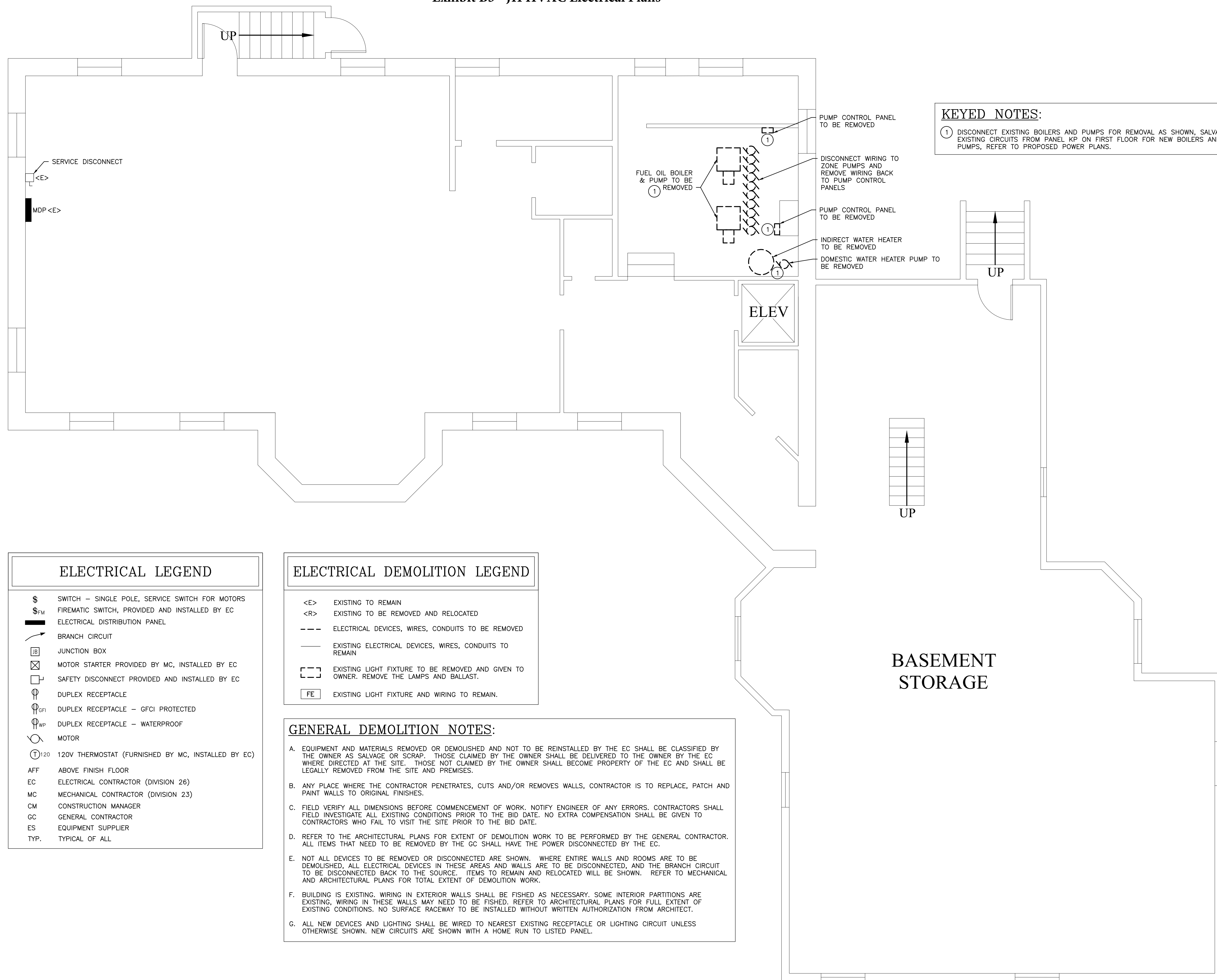
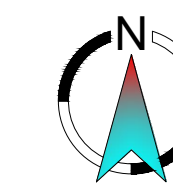


Exhibit B3 - JH HVAC Electrical Plans



KEYED NOTES:
 ① DISCONNECT EXISTING BOILERS AND PUMPS FOR REMOVAL AS SHOWN, SALVAGE EXISTING CIRCUITS FROM PANEL KP ON FIRST FLOOR FOR NEW BOILERS AND PUMPS, REFER TO PROPOSED POWER PLANS.

ELECTRICAL LEGEND	
$\$$	SWITCH - SINGLE POLE, SERVICE SWITCH FOR MOTORS
$\$_{FM}$	FIREMATIC SWITCH, PROVIDED AND INSTALLED BY EC
\square_{E}	ELECTRICAL DISTRIBUTION PANEL
\rightarrow	BRANCH CIRCUIT
\square_{JB}	JUNCTION BOX
\square_{MS}	MOTOR STARTER PROVIDED BY MC, INSTALLED BY EC
\square_{SD}	SAFETY DISCONNECT PROVIDED AND INSTALLED BY EC
\square_{DR}	DUPLEX RECEPTACLE
\square_{GFI}	DUPLEX RECEPTACLE - GFCI PROTECTED
\square_{WP}	DUPLEX RECEPTACLE - WATERPROOF
\square_{M}	MOTOR
\square_{T120}	120V THERMOSTAT (FURNISHED BY MC, INSTALLED BY EC)
AFF	ABOVE FINISH FLOOR
EC	ELECTRICAL CONTRACTOR (DIVISION 26)
MC	MECHANICAL CONTRACTOR (DIVISION 23)
CM	CONSTRUCTION MANAGER
GC	GENERAL CONTRACTOR
ES	EQUIPMENT SUPPLIER
TYP.	TYPICAL OF ALL

ELECTRICAL DEMOLITION LEGEND	
<E>	EXISTING TO REMAIN
<R>	EXISTING TO BE REMOVED AND RELOCATED
---	ELECTRICAL DEVICES, WIRES, CONDUITS TO BE REMOVED
---	EXISTING ELECTRICAL DEVICES, WIRES, CONDUITS TO REMAIN
\square_{LF}	EXISTING LIGHT FIXTURE TO BE REMOVED AND GIVEN TO OWNER. REMOVE THE LAMPS AND BALLAST.
\square_{FE}	EXISTING LIGHT FIXTURE AND WIRING TO REMAIN.

GENERAL DEMOLITION NOTES:

- EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE EC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE EC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE EC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
- ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CONTRACTOR IS TO REPLACE, PATCH AND PAINT WALLS TO ORIGINAL FINISHES.
- FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS. CONTRACTORS SHALL FIELD INVESTIGATE ALL EXISTING CONDITIONS PRIOR TO THE BID DATE. NO EXTRA COMPENSATION SHALL BE GIVEN TO CONTRACTORS WHO FAIL TO VISIT THE SITE PRIOR TO THE BID DATE.
- REFER TO THE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR. ALL ITEMS THAT NEED TO BE REMOVED BY THE GC SHALL HAVE THE POWER DISCONNECTED BY THE EC.
- NOT ALL DEVICES TO BE REMOVED OR DISCONNECTED ARE SHOWN. WHERE ENTIRE WALLS AND ROOMS ARE TO BE DEMOLISHED, ALL ELECTRICAL DEVICES IN THESE AREAS AND WALLS ARE TO BE DISCONNECTED, AND THE BRANCH CIRCUIT TO BE DISCONNECTED BACK TO THE SOURCE. ITEMS TO REMAIN AND RELOCATED WILL BE SHOWN. REFER TO MECHANICAL AND ARCHITECTURAL PLANS FOR TOTAL EXTENT OF DEMOLITION WORK.
- BUILDING IS EXISTING. WIRING IN EXTERIOR WALLS SHALL BE FISHED AS NECESSARY. SOME INTERIOR PARTITIONS ARE EXISTING. WIRING IN THESE WALLS MAY NEED TO BE FISHED. REFER TO ARCHITECTURAL PLANS FOR FULL EXTENT OF EXISTING CONDITIONS. NO SURFACE RACEWAY TO BE INSTALLED WITHOUT WRITTEN AUTHORIZATION FROM ARCHITECT.
- ALL NEW DEVICES AND LIGHTING SHALL BE WIRED TO NEAREST EXISTING RECEPTACLE OR LIGHTING CIRCUIT UNLESS OTHERWISE SHOWN. NEW CIRCUITS ARE SHOWN WITH A HOME RUN TO LISTED PANEL.

BASEMENT LEVEL ELECTRICAL DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"



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REVISION	DATE	NUMBER	BY

PROJECT NAME: **JOSLYN HOUSE HVAC UPGRADES**
 RANDOLPH, VT

SHEET TITLE: **BASEMENT ELECTRICAL DEMO PLAN**

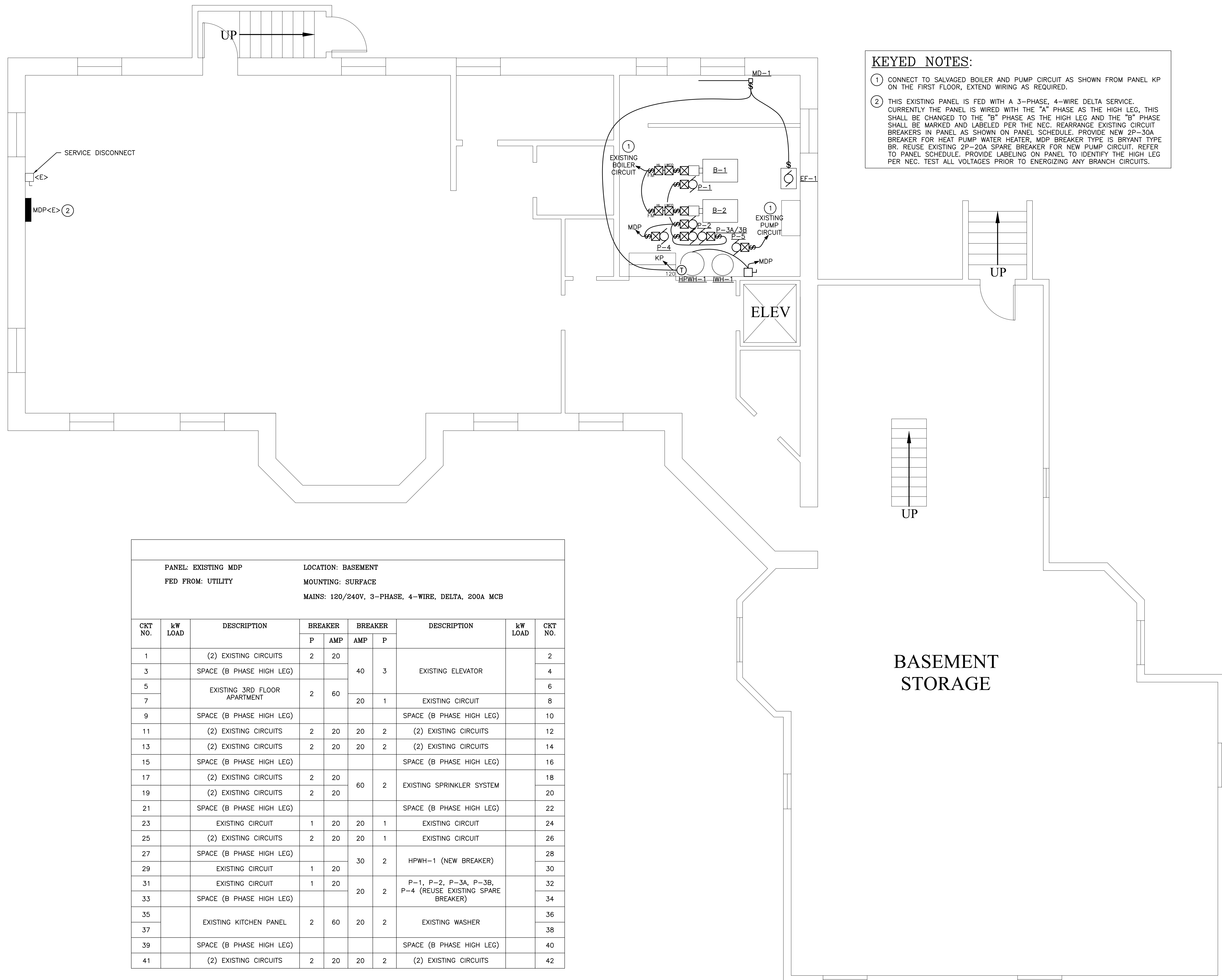
P:\Dropbox\Joslyn House\Drawings\Electrical\Joslyn House Electrical Plans.dwg

DATE:	7/10/18
SCALE:	AS NOTED
JOB NO:	18087
DRAWN BY:	RMR
APPROVED BY:	ASG
DWG. NO.	

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SHEET 1 OF 3



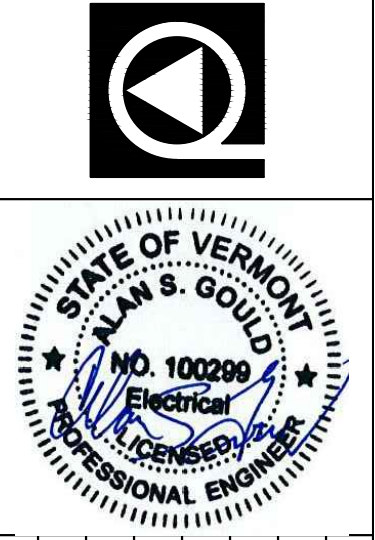
- KEYED NOTES:**
- CONNECT TO SALVAGED BOILER AND PUMP CIRCUIT AS SHOWN FROM PANEL KP ON THE FIRST FLOOR, EXTEND WIRING AS REQUIRED.
 - THIS EXISTING PANEL IS FED WITH A 3-PHASE, 4-WIRE DELTA SERVICE. CURRENTLY THE PANEL IS WIRED WITH THE "A" PHASE AS THE HIGH LEG, THIS SHALL BE CHANGED TO THE "B" PHASE AS THE HIGH LEG AND THE "B" PHASE SHALL BE MARKED AND LABELED PER THE NEC. REARRANGE EXISTING CIRCUIT BREAKERS IN PANEL AS SHOWN ON PANEL SCHEDULE. PROVIDE NEW 2P-30A BREAKER FOR HEAT PUMP WATER HEATER. MDP BREAKER TYPE IS BRYANT TYPE BR. REUSE EXISTING 2P-20A SPARE BREAKER FOR NEW PUMP CIRCUIT. REFER TO PANEL SCHEDULE. PROVIDE LABELING ON PANEL TO IDENTIFY THE HIGH LEG PER NEC. TEST ALL VOLTAGES PRIOR TO ENERGIZING ANY BRANCH CIRCUITS.

PANEL: EXISTING MDP		LOCATION: BASEMENT					
FED FROM: UTILITY		MOUNTING: SURFACE					
MAINS: 120/240V, 3-PHASE, 4-WIRE, DELTA, 200A MCB							
CKT NO.	kW LOAD	DESCRIPTION	BREAKER		DESCRIPTION	kW LOAD	CKT NO.
			P	AMP			
1		(2) EXISTING CIRCUITS	2	20			2
3		SPACE (B PHASE HIGH LEG)			40	3	4
5		EXISTING 3RD FLOOR APARTMENT	2	60			6
7					20	1	8
9		SPACE (B PHASE HIGH LEG)					10
11		(2) EXISTING CIRCUITS	2	20	20	2	12
13		(2) EXISTING CIRCUITS	2	20	20	2	14
15		SPACE (B PHASE HIGH LEG)					16
17		(2) EXISTING CIRCUITS	2	20			18
19		(2) EXISTING CIRCUITS	2	20	60	2	20
21		SPACE (B PHASE HIGH LEG)					22
23		EXISTING CIRCUIT	1	20	20	1	24
25		(2) EXISTING CIRCUITS	2	20	20	1	26
27		SPACE (B PHASE HIGH LEG)			30	2	28
29		EXISTING CIRCUIT	1	20			30
31		EXISTING CIRCUIT	1	20			32
33		SPACE (B PHASE HIGH LEG)			20	2	34
35		EXISTING KITCHEN PANEL	2	60	20	2	36
37							38
39		SPACE (B PHASE HIGH LEG)					40
41		(2) EXISTING CIRCUITS	2	20	20	2	42

BASEMENT LEVEL ELECTRICAL PROPOSED PLAN
SCALE: 1/8" = 1'-0"



ISSUED FOR CONSTRUCTION 7/10/18



REVISION	DATE	NUMBER	BY

PROJECT NAME: **JOSLYN HOUSE HVAC UPGRADES**
RANDOLPH, VT

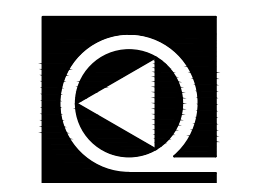
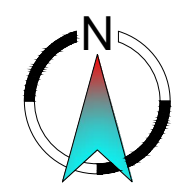
SHEET TITLE: **BASEMENT ELECTRICAL PROPOSED PLAN**

DATE: 7/10/18
SCALE: AS NOTED
JOB NO: 18087
DRAWN BY: RMR
APPROVED BY: ASG
DWG. NO.

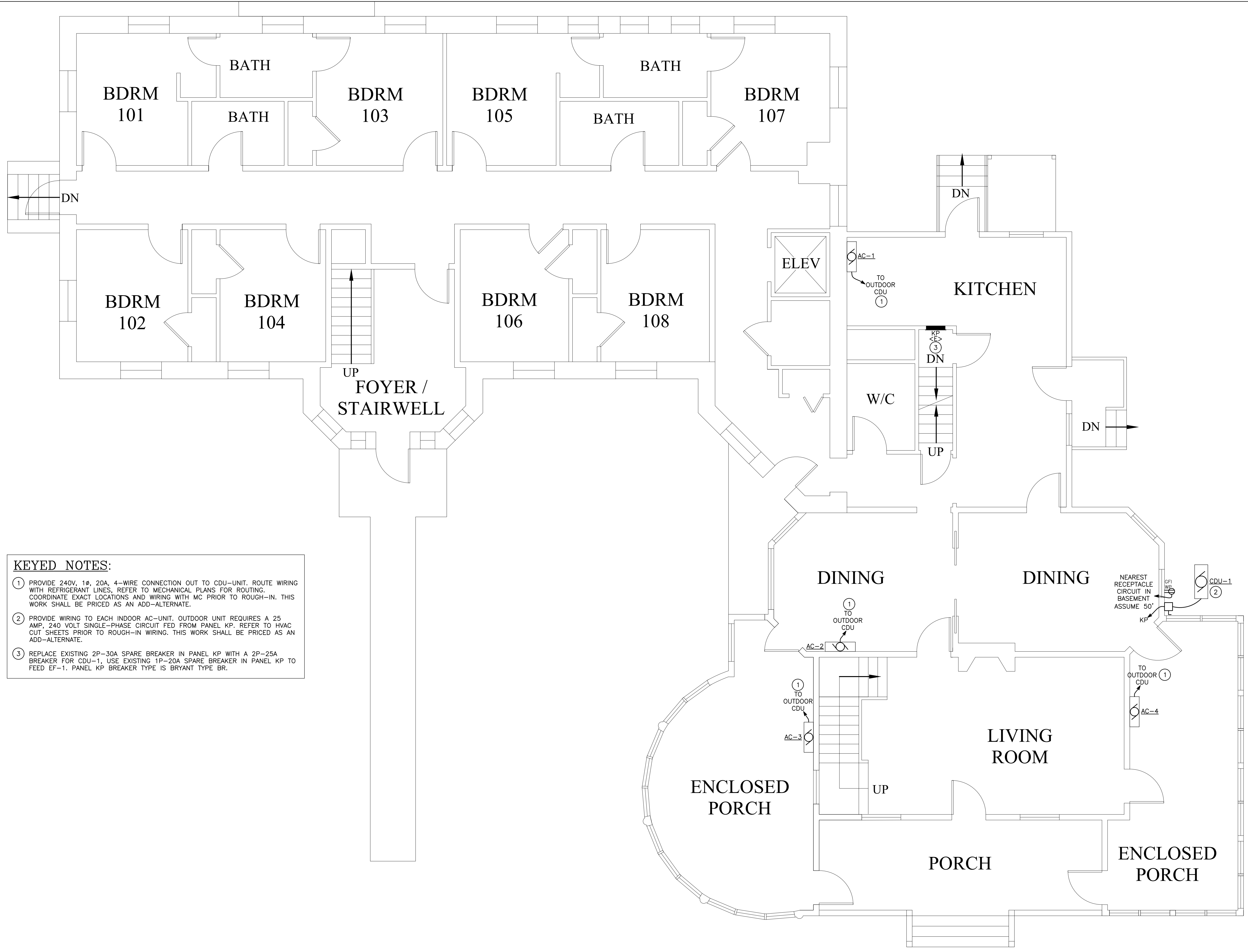
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SHEET 2 OF 3

Jul 10, 2018



REVISION	DATE	NUMBER	BY



KEYED NOTES:

- 1 PROVIDE 240V, 1#, 20A, 4-WIRE CONNECTION OUT TO CDU-UNIT. ROUTE WIRING WITH REFRIGERANT LINES, REFER TO MECHANICAL PLANS FOR ROUTING. COORDINATE EXACT LOCATIONS AND WIRING WITH MC PRIOR TO ROUGH-IN. THIS WORK SHALL BE PRICED AS AN ADD-ALTERNATE.
- 2 PROVIDE WIRING TO EACH INDOOR AC-UNIT. OUTDOOR UNIT REQUIRES A 25 AMP, 240 VOLT SINGLE-PHASE CIRCUIT FED FROM PANEL KP. REFER TO HVAC CUT SHEETS PRIOR TO ROUGH-IN WIRING. THIS WORK SHALL BE PRICED AS AN ADD-ALTERNATE.
- 3 REPLACE EXISTING 2P-30A SPARE BREAKER IN PANEL KP WITH A 2P-25A BREAKER FOR CDU-1, USE EXISTING 1P-20A SPARE BREAKER IN PANEL KP TO FEED EF-1. PANEL KP BREAKER TYPE IS BRYANT TYPE BR.

FIRST FLOOR ELECTRICAL PROPOSED PLAN
SCALE: 1/8" = 1'-0"



ISSUED FOR CONSTRUCTION 7/10/18

PROJECT NAME: **JOSLYN HOUSE HVAC UPGRADES**
RANDOLPH, VT

SHEET TITLE: **FIRST FLOOR ELECTRICAL PROPOSED PLAN**

DATE: 7/10/18
SCALE: AS NOTED
JOB NO: 18087
DRAWN BY: RMR
APPROVED BY: ASG
DWG. NO.

E2.2

SHEET 3 OF 3