

PANEL 'RP1-B2' SCHEDULE		208/120 1Ø 3W, SURFACE MOUNTED, 10KAIC 60A MAIN LUGS, 1-12 POS SECTION			
1	20/1	ACC-1 HEATER	2	20/1	ACC-2 HEATER
3	20/1	ACC-1 CONTROL VALVE & RECEPTACLE	4	20/1	ACC-2 CONTROL VALVE & RECEPTACLE
5	20/1	CHILLED WATER FLOW METER	6	20/1	CHILLER CONTROL PANEL
7	20/1	SPARE	8	20/1	SPARE
9	20/1	SPARE	10	20/1	SPARE
11	20/1	SPARE	12	20/1	SPARE

**1 RP1-B2 PANEL SCHEDULE**  
SCALE: NOT TO SCALE

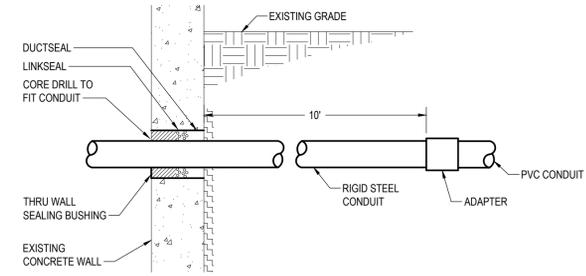
EXISTING PANEL 'RP1-B' SCHEDULE		208/120 3Ø 4W, SURFACE MOUNTED, 10KAIC 100A MAIN LUGS, 1-30 POS SECTION EXISTING SQUARE D TYPE NQOD			
1	(E) 20/1	AF-AC-1	2	(E) 20/1	BOILER ROOM ROOF OUTLETS
3	(E) 20/1	AF-HV-1	4	(E) 20/1	EF-10
5	(E) 20/1	AF-AC-5	6	(E) 20/1	EF-11
7	(E) 20/1	UNIT HEATER	8	(E) 20/1	EF-18
9	(E) 20/1	LIGHTING PLENUM & HV-1 & AC-1	10	(E) 20/1	EF-25
11	(1) 20/1	SPARE	12	(E) 20/1	OUTLETS ROOF
13	(E) 20/1	AF-HV-3	14	(E) 20/1	EF-24 (RECEPT)
15	(2)	30/2	16	(1) 20/1	SPARE
17	(2)	30/2	18	(E) 20/1	EF-24
19	(E) 20/1	GLYCOL PUMP	20	(E) 20/1	UNIT HEATER
21	(E) 25/1	PARKING LOT BLOCK HEATER	22	(E) 20/1	DAMPER MOTORS
23	(E) 25/1	PARKING LOT BLOCK HEATER	24	(E) 25/1	EF STARTERS CONTROL CIRCUIT
25	(E) 25/1	PARKING LOT BLOCK HEATER	26	(E) 25/1	PARKING LOT BLOCK HEATER
27	(E) 25/1	PARKING LOT BLOCK HEATER	28	(E) 25/1	PARKING LOT BLOCK HEATER
29	(E) 25/1	PARKING LOT BLOCK HEATER	30	(E) 25/1	PARKING LOT BLOCK HEATER
-	(E)	60/3			MAIN CIRCUIT BREAKER

(E) EXISTING CIRCUIT BREAKER AND LOAD SHALL REMAIN  
 (1) EXISTING CIRCUIT BREAKER LABELED "CONTROL CIRCUIT CHILLER" SHALL REMAIN, REMOVE EXISTING BRANCH CIRCUITRY AND REVISE PANEL SCHEDULE LABEL TO INDICATE SPARE AS SHOWN  
 (2) EXISTING 20A CIRCUIT BREAKERS LABELED "CONTROL CIRCUIT CHILLER" SHALL BE REMOVED AND REPLACED WITH BREAKER SHOWN, REMOVE AND REPLACE BRANCH CIRCUITRY AND REVISE PANEL SCHEDULE LABEL AS SHOWN. EXTEND BRANCH CIRCUITRY TO PANELBOARD SHOWN.

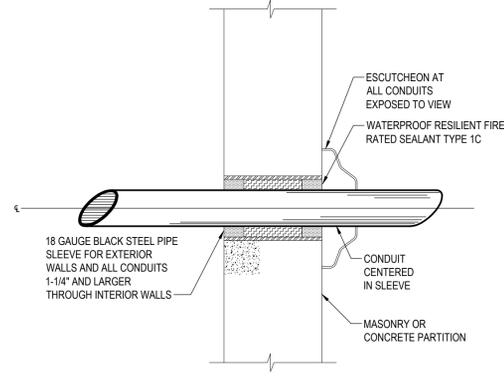
**2 EXISTING PANEL RP1-B SCHEDULE**  
SCALE: NOT TO SCALE

ELECTRICAL ABBREVIATIONS	
#	NUMBER
AC	MOUNTED HORIZONTALLY 6" ABOVE COUNTER
ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
C	CONDUIT
CKT	CIRCUIT
CLG	CEILING
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E	EXISTING
ELEV	ELEVATION
ER	EXISTING TO REMAIN
FL	FLOOR
FT	FEET OR FOOT
G	GROUND
GFI	GROUND FAULT INTERRUPTOR
HP	HORSEPOWER
LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OC	ON CENTER
PR	PAIR
RGS	GALVANIZED RIGID STEEL CONDUIT
SF	SQUARE FEET OR SQUARE FOOT
SH	SHIELDED
TW	TWISTED
TYP	TYPICAL
WP	WEATHERPROOF
XFMR	TRANSFORMER

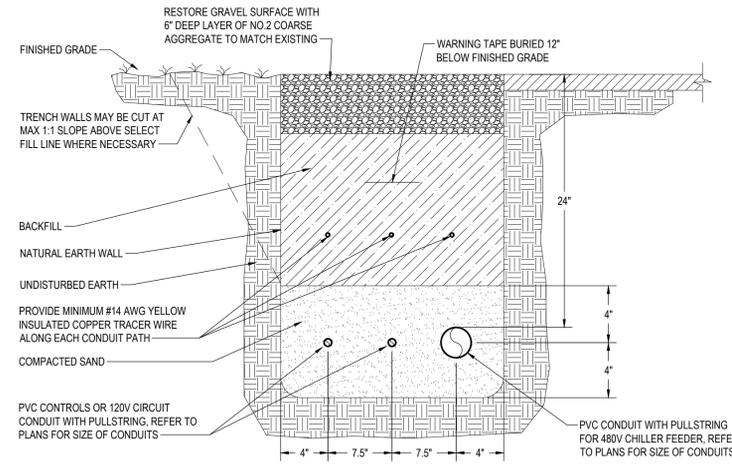
ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
<b>WIRING</b>	
	CIRCUIT WIRING TYPE UNLESS OTHERWISE NOTED - HOMERUN
	CIRCUIT BREAKER (20/1) UNLESS OTHERWISE NOTED
<b>PANELBOARDS (PLAN VIEW)</b>	
	(120/208) VOLT PANELBOARD
	(277/480) VOLT PANELBOARD
<b>OUTLETS</b>	
	1'-6" MOUNTING HEIGHT
	SPECIAL MOUNTING HEIGHT
	CEILING MOUNTED OUTLET
	QUAD OUTLET, 1'-6" MOUNTING HEIGHT
<b>JUNCTION BOXES</b>	
	POWER JUNCTION BOX
	DATA JUNCTION BOX
<b>EQUIPMENT</b>	
	MOTOR
	DISCONNECT SWITCH
	MOTOR STARTER
	COMBINATION MOTOR STARTER
	PUSHBUTTON



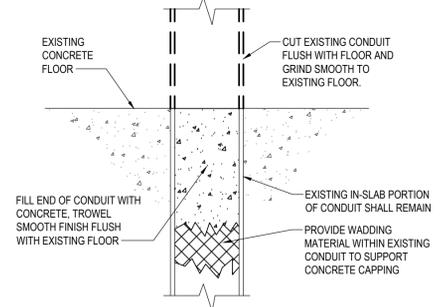
**3 UNDERGROUND CONDUITS ENTERING EXISTING BUILDING WALL**  
SCALE: NOT TO SCALE



**4 CONDUIT THROUGH EXTERIOR WALLS ABOVE GRADE**  
SCALE: NOT TO SCALE

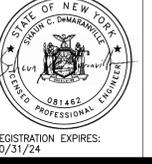


**5 TYPICAL CONDUIT TRENCH DETAIL**  
SCALE: NOT TO SCALE



**6 TYPICAL EXISTING CONDUIT CONCRETE CAPPING DETAIL**  
SCALE: NOT TO SCALE

**WARNING:**  
 THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



CONTRACT: **ELECTRICAL**

TITLE: **REPLACE BUILDING CHILLERS, BUILDING 144**

LOCATION: **COOK HILL PRODUCTION CENTER  
145 OLD ORANGEBURG ROAD  
ORANGEBURG, NY**

CLIENT: **OFFICE OF MENTAL HEALTH**

MARK	DATE	DESCRIPTION
	12/6/2023	BID DOCUMENTS
PROJECT NUMBER:	47430 - E	
DESIGNED BY:	SC	
DRAWN BY:	SC	
FIELD CHECK:		
APPROVED:		
SHEET TITLE: <b>SYMBOLS LEGEND, ABBREVIATIONS AND DETAILS</b>		
DRAWING NUMBER: <b>E-001</b>		

SHEET 15 OF 18