BID ADDENDUM NO. 3

PROJECT:	**Newburgh ECSD – Prop 5 – District Wide A/C – Electrical Upgrades** Gidney Ave. Elementary School (300 Gidney Ave, Newburgh, NY 12550) 44-16-00-01-0-006-015 Temple Hill Academy (525 Union Ave, New Windsor, NY 12553) 44-16-00-01-0-036-015 Meadow Hill GEM School (124 Meadow Hill Rd, Newburgh, NY 12550) 44-16-00-01-0-035-014
LABELLA PROJECT NO:	**2233600**
DATE:	**December 13, 2024**
FROM:	**LaBella Associates, D.P.C.**

Include this Addendum as part of the Contract Documents. It supplements portions of the original specifications/project manual and drawings, the extent of which shall remain, except as revised herein:

Pasquale Marchese, AIA
LABELLA ASSOCIATES, D.P.C

ATTACHMENTS:

- Revised Electrical Drawings

CLARIFICATIONS: NA

TO THE SPECIFICATIONS: NA

TO THE DRAWINGS:

1.9 Gidney Avenue Elementary School:

- E101 and E102: REVISE Electrical Plans in hallways to remove power feed to ceiling mounted indoor units and add power feed to ducted split units.
- E601: Electrical Panel Schedules:
    A. REMOVE power fee to ceiling mounted indoor units and corresponding outdoor units.
    B. ADD power feed to ducted split systems.
- E631: Electrical System Schedules:
    A. REMOVE power feed to ceiling mounted indoor units and corresponding outdoor units.
    B. ADD power feed to ducted split systems and corresponding outdoor units.

1.10 Meadow Hil GEM School:

- ED103: REVISE note regarding existing exhaust fan circuitry.
- E101 and E102: REVISE Electrical Plans in hallways to remove power feed to ceiling mounted indoor units and add power feed to ducted split systems.
- E103: REVISE power supply source for new exhaust fans.
- E601 and 602: Electrical Panel Schedules:
    A. REMOVE power feed to ceiling mounted indoor units and corresponding outdoor units.
    B. ADD power feed to ducted split systems.
- E631 and E632: Electrical System Schedules:
    A. REMOVE power feed to ceiling mounted indoor units and corresponding outdoor units.
    B. ADD power feed to ducted split systems and corresponding outdoor units.
    C. REVISE power supply source for new exhaust fans.

1.11 Temple Hill Academy:

- ED103: REVISE note regarding existing exhaust fan circuitry.
- E101 and E102: REVISE Electrical Plans in hallways to remove power feed to ceiling mounted indoor units and add power feed to ducted split systems.
- E103: REVISE power supply source for new split systems.
- E600 and E601: Electrical Panel Schedules:
    A. REMOVE power feed to ceiling mounted indoor units and corresponding outdoor units.
    B. ADD power feed to ducted split systems.
- E631 and E632: Electrical System Schedules:
    A. REMOVE power feed to ceiling mounted indoor units and corresponding outdoor units.
    B. Add power feed to ducted split systems and corresponding outdoor units.
    C. REVISE power supply source for new exhaust fans.

END ADDENDUM No. 003

ELECTRICAL GENERAL NOTES

1. FOR EXACT LOCATIONS AND SURFACE FINISH CONDITIONS OF CEILINGS, WALLS, OR FLOORS, REFER TO ARCHITECTURAL DRAWINGS.

2. REFER TO HAZARDOUS MATERIALS DRAWINGS FOR LOCATIONS OF HAZARDOUS OR POSSIBLE HAZARDOUS MATERIALS BEFORE PERFORMING ANY WORK ON EXISTING STRUCTURES.

3. FOR EXACT LOCATION OF FACILITY EXPANSION JOINTS, FIRE RATED WALLS, AND SMOKE WALLS, REFER TO ARCHITECTURAL DRAWINGS.

4. FOR EXACT LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES, AND TAMPER SWITCHES REFER TO HVAC / FP DRAWINGS.

5. VERIFY EXACT LOCATION OF CONNECTION POINTS PRIOR TO ROUGH-IN.

6. COORDINATE LOCATIONS OF ALL RECEPTACLES AND LUMINAIRES IN MECHANICAL SPACES WITH HVAC CONTRACTOR PRIOR TO ROUGH-IN TO AVOID CONFLICTS WITH EQUIPMENT AND DUCTWORK.

7. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS NOTED OTHERWISE, EXCEPT FOR PENDANT LIGHTING WHICH ARE TO THE BOTTOM OF THE LUMINAIRE. FOR AREAS WITH DIFFERENT FLOOR LEVELS, HEIGHT IS BASED UPON CLOSEST FLOOR OR LANDING TO DEVICE, EQUIPMENT, OR LUMINAIRE. ELEVATIONS GIVEN ON LEGEND SHEET ARE UNLESS NOTED OTHERWISE ON DRAWINGS.

8. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.

9. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG **[EXCEPT LIFE SAFETY/EMERGENCY BRANCH CIRCUIT WIRING WHICH SHALL BE MINIMUM #10 AWG]**. SIZE BRANCH CIRCUIT CONDUCTORS AS PER NEC AND AS SCHEDULED ON THIS DRAWING BASED ON ACTUAL CIRCUIT DISTANCE. INCLUDE GROUND CONDUCTOR DERATINGS.

10. PULL A SEPARATE NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS REQUIRING A NEUTRAL CONNECTION. DERATE CONDUCTORS PER NEC ACCORDINGLY. MULTIWIRE BRANCH CIRCUITS ARE NOT ACCEPTABLE.

11. PROVIDE GROUNDING PER NEC & TIA 607B. PROVIDE GREEN GROUND CONDUCTOR IN ALL BRANCH AND FEEDER CIRCUITS.

12. DO NOT INSTALL ANY NEW WORK DIRECTLY ABOVE ANY ELECTRICAL PANELS, SWITCHBOARDS, SWITCHGEAR, OR TRANSFORMERS.

13. CIRCUIT NUMBERS SHOWN FOR EQUIPMENT TO BE CONNECTED TO EXISTING PANELBOARD(S) IS SHOWN FOR DESIGN INTENT ONLY AND MAY NOT CORRESPOND TO ACTUAL CIRCUIT BREAKER MOUNTING POSITION IN THE PANEL. UPDATE THE RECORD DRAWINGS & PANELBOARD DIRECTORY WITH THE ACTUAL CIRCUIT NUMBERS USED TO CORRESPOND TO THE PANEL DIRECTORY.

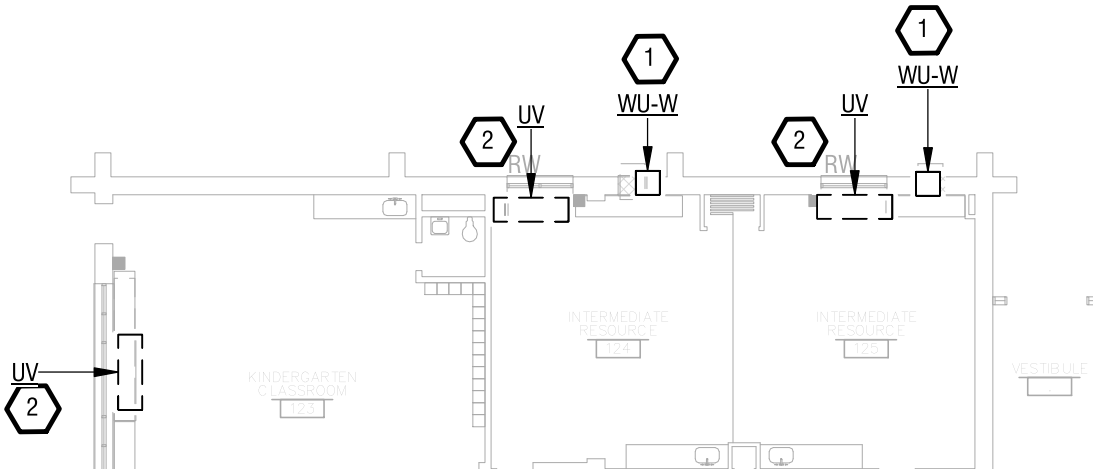
14. CONFIRM ALL LABELS AND ROOM NUMBERS WITH OWNER PRIOR TO FINALIZING LABELING AND PROGRAMMING.

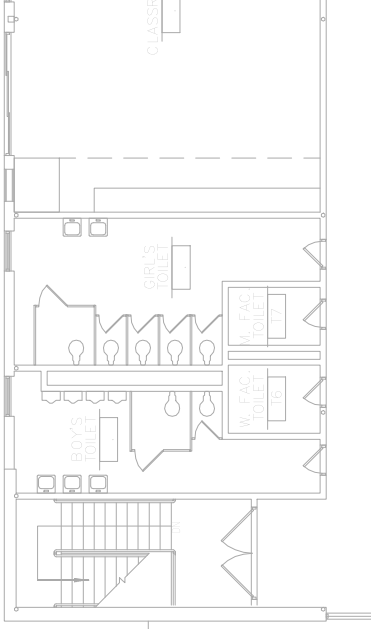
15. COORDINATE FINAL OUTLET LOCATION WITH ALL TRADES AND FURNITURE/MILLWORK PLACEMENT PRIOR TO ROUGH-IN. GENERAL CONTRACTOR SHALL PROVIDE ALL DRILLING AND GROMMETING IN FURNITURE/CASEWORK FOR CORD ACCESS IF REQUIRED.

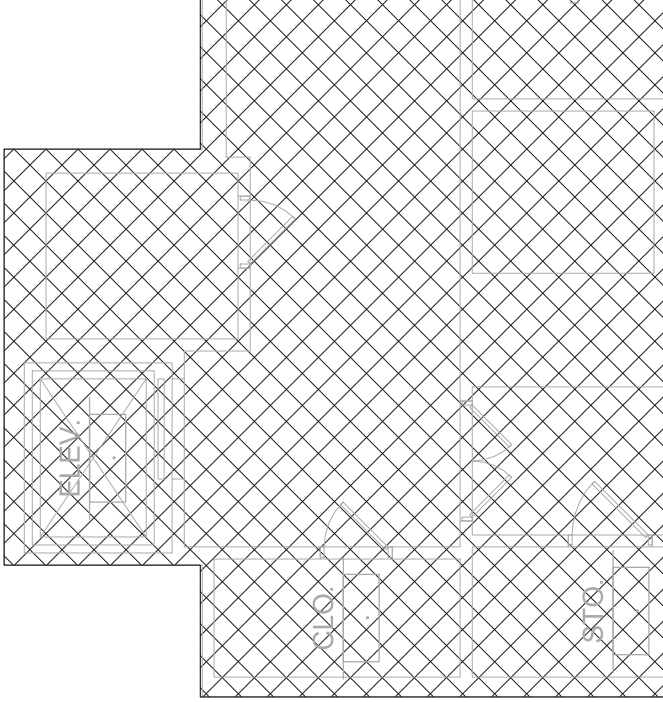
16. REFER TO SHEET **E50X** FOR DETAILS SHOWING PLACEMENT OF DEVICES INSTALLED AT DOORWAYS.

DEVICE SUBSCRIPTS

II	ROMAN NUMERAL INDICATES QUANTITY OF GANGED DEVICES UNDER COMMON FACEPLATE
+xx	HEIGHT OF DEVICE ABOVE FINISHED FLOOR (IN INCHES)
a	LOWER CASE LETTER(S) INDICATES SWITCH CONTROL ARRANGEMENT
5	NUMERAL INDICATES BRANCH CIRCUIT NUMBER (POWER & LIGHTING)/CANDELA RATING (FIRE ALARM DEVICES)
A	WITH AUXILIARY CONTACTS
AC	INSTALL ABOVE COUNTER, AT 40" AFF. COORDINATE WITH GC
B	REMOVE DEVICE AND INSTALL BLANK COVERPLATE
BF	BLANKFACE GFCI
CD	CORD DROP RECEPTACLE
CH	CLOCK HANGER RECEPTACLE
CL	INSTALL FLUSH IN CEILING
CLS	INSTALL ON SURFACE OF CEILING
C*	CONTROL POINT IDENTIFIER (* INDICATES CONTROL NUMBER)
COP	RECEPTACLE FOR COPIER , INSTALL 18" AFF
COF	RECEPTACLE FOR COFFEE , INSTALL 44" AFF
D	DIMMER SWITCH (LIGHTING CONTROL)
E	EXISTING BACKBOX TO REMAIN AND BE REUSED
EN	EXISTING BACKBOX WITH NEW DEVICE
EO	EQUIPMENT SUPPLIED BY OWNER
EQ	INSTALL IN EQUIPMENT/CASEWORK
ER	EXISTING TO BE REMOVED
ERL	EXISTING TO BE RELOCATED
ETR	EXISTING TO REMAIN
EWC	RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATION WITH GC & PC PRIOR TO ROUGH-IN
EXP	EXPLOSION PROOF
FL	INSTALL FLUSH IN FLOOR
FB	INSTALL IN FLOORBOX/POKETHRU
FRA	FIRE RATED ASSEMBLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
GFP	FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED
H	INSTALL HORIZONTALLY
HA	HIGH ABUSE COVERPLATE WITH CENTER PIT REJECT SCREWS
IG	ISOLATED GROUND RECEPTACLE
K	KEY OPERATED
L	LOCATOR STYLE TOGGLE SWITCH (PILOT LIGHT 'ON' WHILE DEVICE IS OFF OR UNPOWERED)
LV	LOW VOLTAGE
M	INSTALL IN MULLION
M*	MONITORING POINT IDENTIFIER (* INDICATES MONITORING POINT NUMBER)

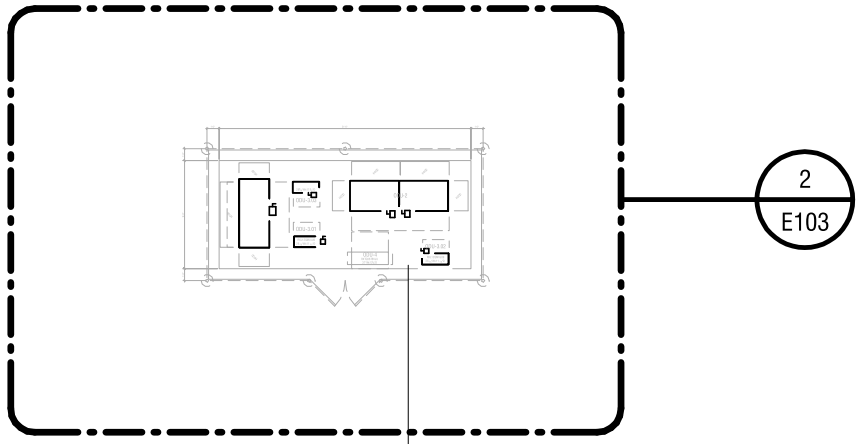

1
WU-W
2
UV
RW
1
WU-W
2
UV
RW
UV
2
KINDERGARTEN
CLASSROOM
123
INTERMEDIATE
RESOURCE
124
INTERMEDIATE
RESOURCE
125
VESTIBULE

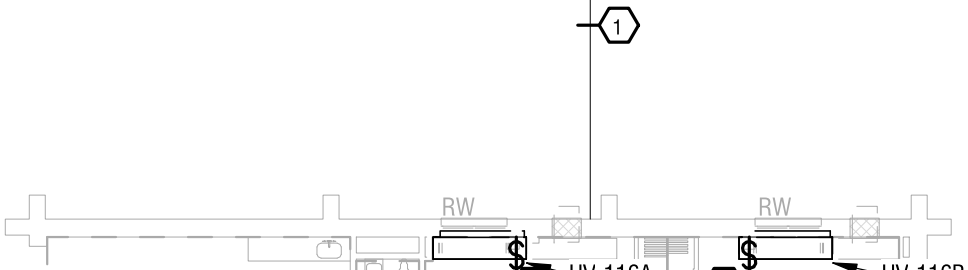

GIRL'S TOILET
W. FAC. TOILET
W. FAC. TOILET
BOY'S TOILET

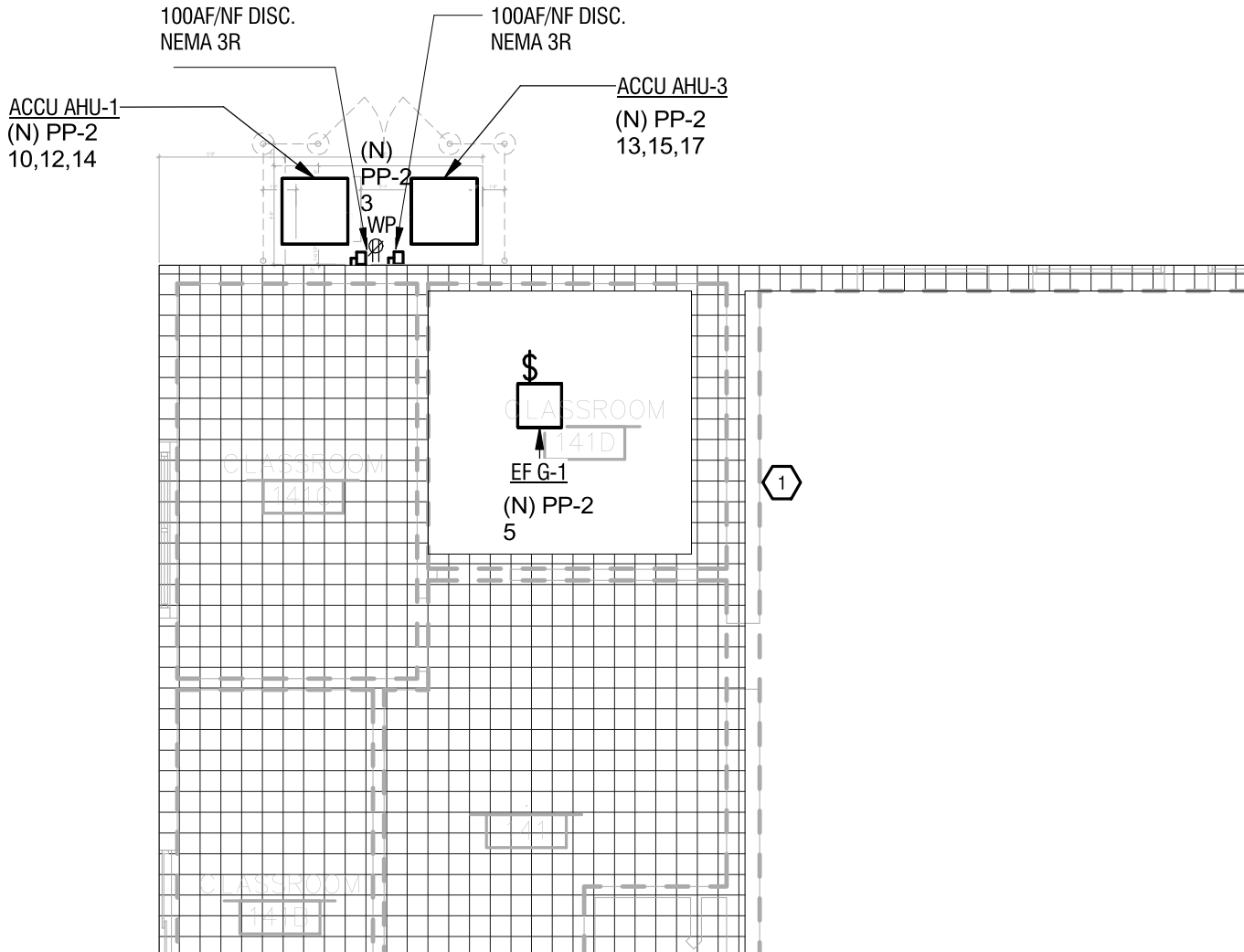

S10
S10
S10

GENERAL NOTES:

1. PROVIDE LOW VOTLAGE AWG 18 - 2 CONTROL WIRIN
ASSOCIATED ODU, DAISY CHAINED FROM ODU. SEE M
MECHANICAL DRAWINGS FOR MORE INFORMATION.






100AF/NF DISC.
NEMA 3R
100AF/NF DISC.
NEMA 3R
ACCU AHU-1
(N) PP-2
10,12,14
ACCU AHU-3
(N) PP-2
13,15,17
(N)
PP-2
3
WP
EF G-1
(N) PP-2
5
CLASSROOM
141D
CLASSROOM
141C
CLASSROOM
141E
1

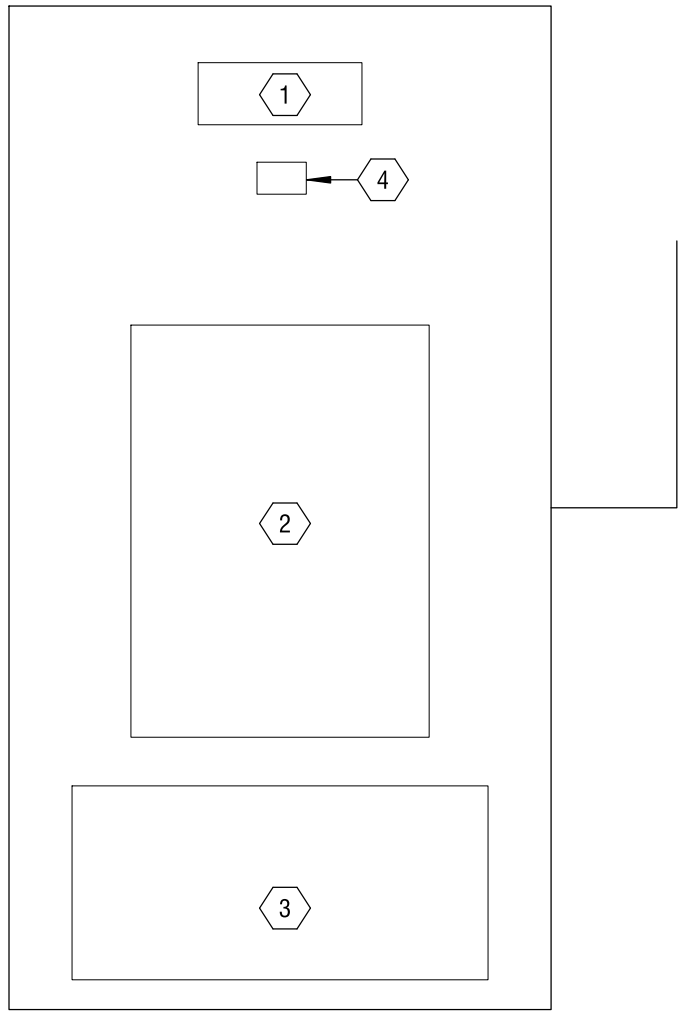
KEYED NOTES (#):

1. EQUIPMENT IDENTIFICATION LABEL.

2. WARNING LABEL UNGROUNDED CONDUCTORS (VOLTAGE LABEL).

3. DISCONNECT SWITCH WARNING LABEL

4. TESTING LABEL.



DISCONNECT SWITCH
(FRONT VIEW)

DESIGNATION: PP-N1

LOCATION: CORRIDOR 123

FED FROM:

SERVICE ENTRANCE LABEL:

OPTIONS:

DESIGN BASE:

DISTRIBUTION VOLTAGE: 120/208 Wye

 # OF PHASES: 3

 # OF WIRES: 4

MOUNTING: SURFACE

ENCLOSURE TYPE: TYPE 1

FULLY RATED AIC:

MAIN TYPE:

BUS RATING:

MCB TRIP:

MODIFICATIONS:

PANELBOARD SCHEDULE NOTATION:

*** PROVIDE GFCI TYPE BREAKER**

**** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.**

***** COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER**

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR	
1	LIGHTS ROOM 25	20 A	1	0	0					1	20 A	RECPTS RO
3	LIGHTS ROOM 234	20 A	1			0	0			1	20 A	RECPTS RO
5	LIGHTS ROOM 21	20 A	1					0	0	1	20 A	RECPTS RO
7	LIGHTS ROOM 18B & 18a	20 A	1	0	0					1	20 A	RECPTS RO
9	LIGHTS ROOM 16	20 A	1			0	0			1	20 A	RECPTS RO
11	LIGHTS ROOM 14	20 A	1					0	0	1	20 A	RECPTS RO
13	LIGHTS ROOM 29A & 29B	20 A	1	0	0					1	20 A	RECPTS RO
15	LIGHTS ROOM 27	20 A	1			0	0			1	20 A	RECPTS RO
17	400a HPS FIXTURES COURTYARD	20 A	1					0	0	1	20 A	RECPTS RO
19	RM 120 COMPUTER OUTLETS	20 A	1	0	0					1	20 A	RECPTS RO
21	Spare	20 A	1			0	0			1	20 A	Spare
23	Space	--	1					--	0	2	20 A	AC RECPT.
25	CORRIDOR RECPT	20 A	1	0	0					--	-- --	--
27	**(N) UNIT-VENT ROOM 119**	**15 A**	**2**			333	0			2	20 A	AC RECPT.
29	--	-- --	--					333	0	--	-- --	--
31	**(N) UNIT-VENT ROOM 120**	**15 A**	**2**	333	333					**2**	**15 A**	**(N) UNIT-VE**
33	--	-- --	--			333	333			--	-- --	--
35	AC RECPT ROOM 25	20 A	2					0	333	**2**	**15 A**	**(N) UNIT-VE**
37	--	-- --	--	0	333					--	-- --	--
39	AC RECPT ROOM 27	20 A	2			0						
41	--	-- --	--					0				
	TOTAL CONNECTED PHASE LOADS:			999 VA		999 VA		666 VA				

DESIGNATION: (N) PP-1

LOCATION:

FED FROM: MDP

SERVICE ENTRANCE LABEL:

OPTIONS:

DESIGN BASE:

DISTRIBUTION VOLTAGE: 120/208 Wye

 # OF PHASES: 3

 # OF WIRES: 4

MOUNTING: RECESSED

ENCLOSURE TYPE: TYPE 1

FULLY RA

MA

BUS

M

MODIFIC

PANELBOARD SCHEDULE NOTATION:

* PROVIDE GFCI TYPE BREAKER

** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.

*** COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR	
1	LEAK DETECTOR AND CONDENSATE PUMP	20 A	1	100	50					2	15 A	IDU
3	ODU-3.02	15 A	2			1248	50			--	-- --	--
5	--	-- --	--					1248	0	1	20 A	Spa
7	(N) UNIT-VENT ROOM 116A	15 A	2	333	1248					2	15 A	OD
9	--	-- --	--			333	1248			--	-- --	--
11	(N) UNIT-VENT ROOM 116B	15 A	2					333	2421.1	2	20 A	OD
13	--	-- --	--	333	2421.1					--	-- --	--
15	ODU-3.03	15 A	2			1248	333			2	15 A	(N)
17	--	-- --	--					1248	333	--	-- --	--
19	(N) UNIT-VENT ROOM 121	15 A	2	333	3104.6					3	50 A	OD
21	--	-- --	--			333	3104.6			--	-- --	--
23	(N) UNIT-VENT ROOM 123	15 A	2					333	3104.6	--	-- --	--
25	--	-- --	--	333	3104.6					3	50 A	OD
27	ODU-6	20 A	2			2421.1	3104.6			--	-- --	--
29	--	-- --	--					2421.1	3104.6	--	-- --	--
31					5860.2					3	80 A	OD
33							5860.2			--	-- --	--
35	Spare	20 A	1					0	5860.2	--	-- --	--
37	Spare	20 A	1	0	0					1	20 A	Spa
39	Spare	20 A	1			0	0			1	20 A	Spa
41	Spare	20 A	1					0	0	1	20 A	Spa
	TOTAL CONNECTED PHASE LOADS:			16906 VA		18963 VA		19845 VA				

EQ

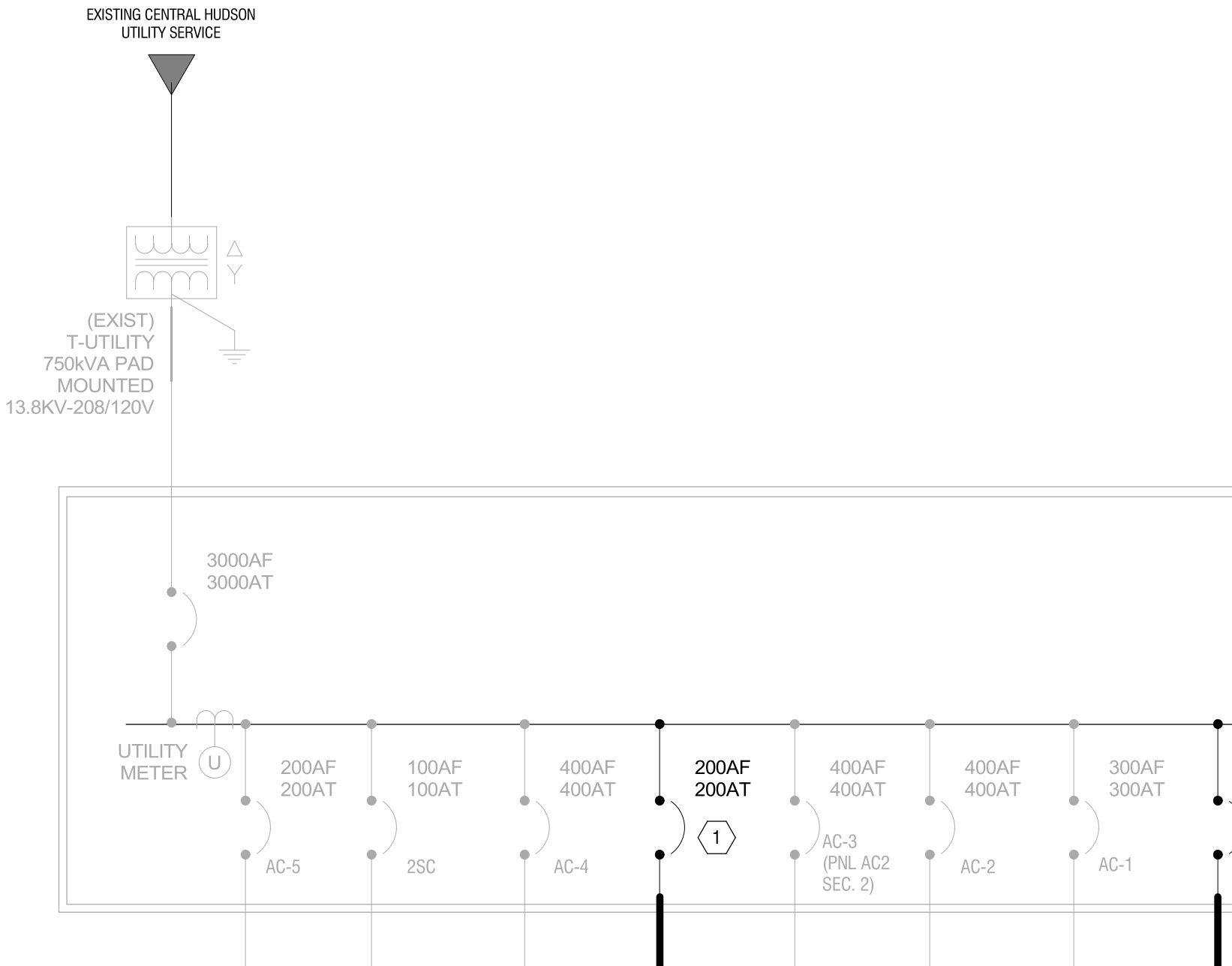
EQUIPMENT TAG	Manufacturer	Model	Product Name	Voltage	Phase	NUMBER OF POLE	Minimum Circuit Ampacity	Maximum Overcu Protection
UV-110	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-111	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-112	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-113	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-114	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-115	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-116	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-116A	DAIKIN APPLIED	UAVS9A07	UNIT VENT	208 V	1	2	4 A	15 A
UV-116B	DAIKIN APPLIED	UAVS9A07	UNIT VENT	208 V	1	2	4 A	15 A
UV-117	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-118	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-119	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-120	DAIKIN APPLIED	UAVS9A07	UNIT VENT	208 V	1	2	4 A	15 A
UV-121	DAIKIN APPLIED	UAVS9A07	UNIT VENT	208 V	1	2	4 A	15 A
UV-122	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A
UV-123	DAIKIN APPLIED	UAVS9V13	UNIT VENT	208 V	1	2	4 A	15 A

EQUIPMENT

EQUIPMENT TAG	MANUFACTURER	MODEL NUMBER	ELECTRICAL					
			SUPPLY VOLTAGE	FLA	MCA	MOP	VA	PANEL NAME
ACCU AHU-1	DAIKIN	DC6TE-R32	208V/3PH	39.2	60	100	14151.2	(N) PP-2
ACCU AHU-3	DAIKIN	DC6TE-R32	208V/3PH	39.2	60	100	14151.2	(N) PP-2

NOTES:

1. Units will be changed to R32 Refrigerant once manufacturer specifications are available. Assume MCA of 60A and MOP of 100A. Verify with MC once new updated units are availabl


EXISTING CENTRAL HUDSON
UTILITY SERVICE
Δ
Y
(EXIST)
T-UTILITY
750kVA PAD
MOUNTED
13.8KV-208/120V
3000AF
3000AT
UTILITY
METER
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400AF
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200AF
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400AT
300AF
300AT
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AC-5
2SC
AC-4
AC-3
(PNL AC2
SEC. 2)
AC-2
AC-1

ELECTRICAL GENERAL NOTES

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16. INSTALL DATA OUTLETS 6" ADJACENT TO ASSOCIATED ELECTRICAL OUTLET.

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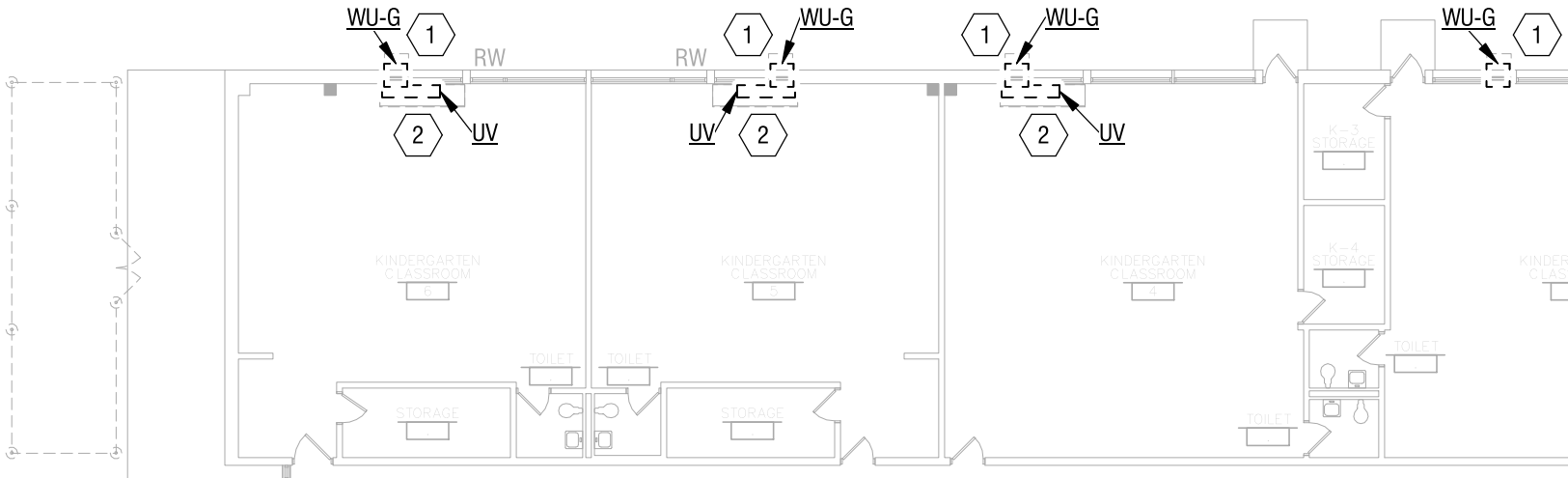
ETR	EXISTING TO REMAIN
EWC	RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATION WITH GC & PC PRIOR TO ROUGH-IN
EXP	EXPLOSION PROOF
FL	INSTALL FLUSH IN FLOOR
FB	INSTALL IN FLOORBOX/POKETHRU
FRA	FIRE RATED ASSEMBLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
GFP	FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED
H	INSTALL HORIZONTALLY
HA	HIGH ABUSE COVERPLATE WITH CENTER PIT REJECT SCREWS
IG	ISOLATED GROUND RECEPTACLE

KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING MECHANICAL WINDOW UNIT. REMOVE WIRE BACK TO SOURCE. PROVIDE BLANK COVER PLATE.

2. DISCONNECT AND REMOVE EXISTING UNIT VENT IN THIS ROOM. REMOVE WIRE BACK TO SOURCE. PROVIDE BLANK COVER PLATE.

3. SEE DRAWING E-001 FOR ADDITIONAL ELECTRICAL DEMOLITION NOTES.



KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING MECHANICAL WINDOW UNIT. REMOVE WIRE BACK TO SOURCE. PROVIDE BLANK COVER PLATE.

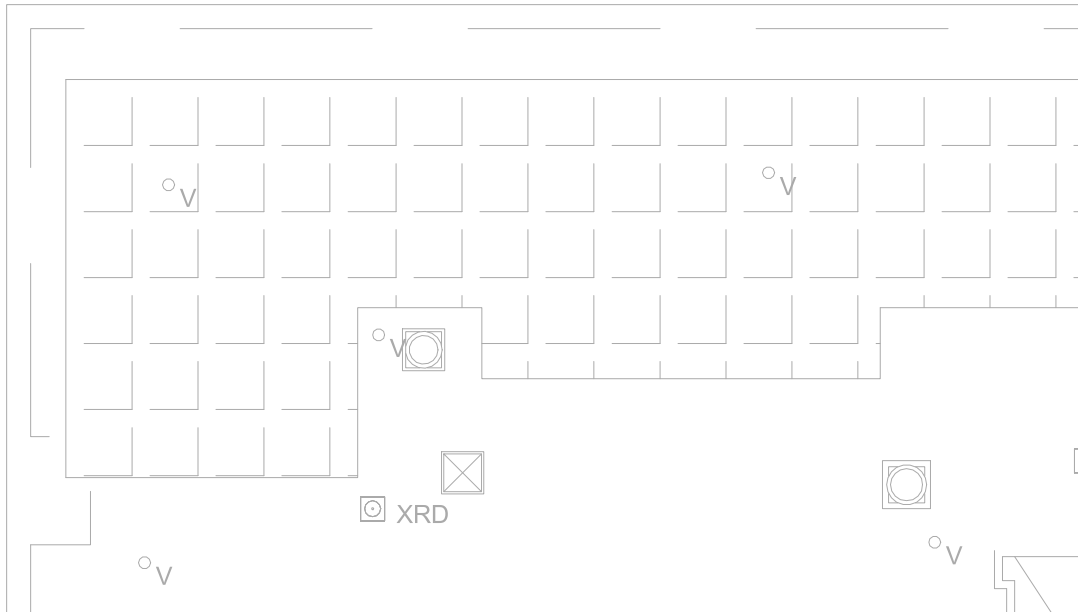
2. DISCONNECT AND REMOVE EXISTING UNIT VENT IN THIS ROOM. REMOVE WIRE BACK TO SOURCE. PROVIDE BLANK COVER PLATE.

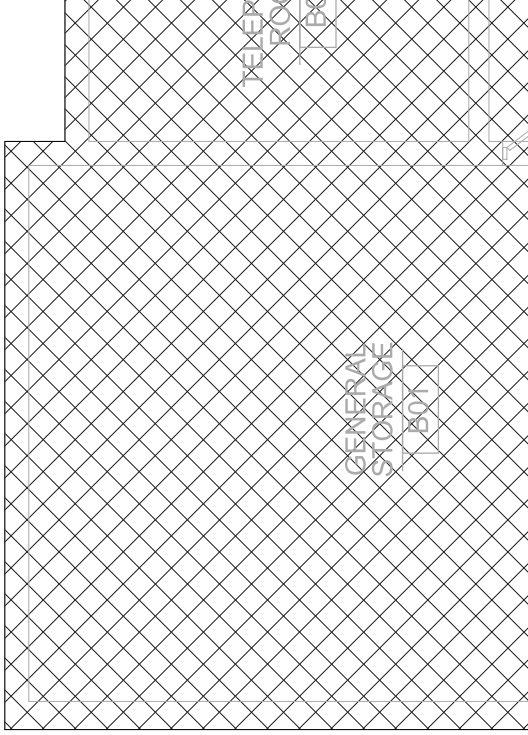
3. SEE DRAWING E-001 FOR ADDITIONAL ELECTRICAL DEMOLITION NOTES.

KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING ROOF TOP MOUNTED MECHANICAL EQUIPMENT AS NOTED.

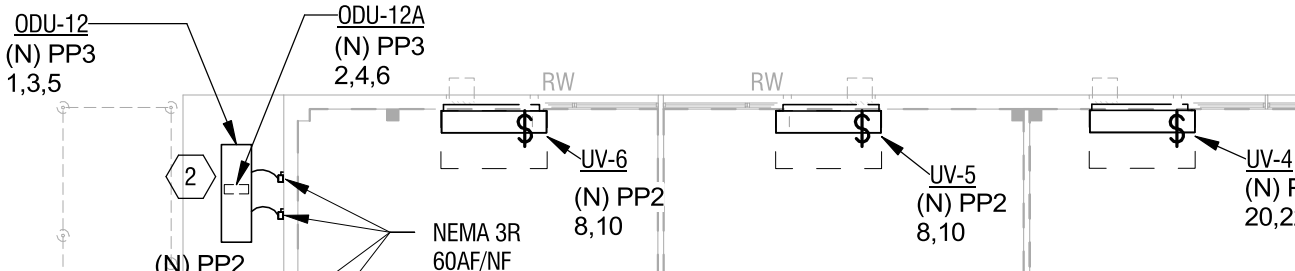
3

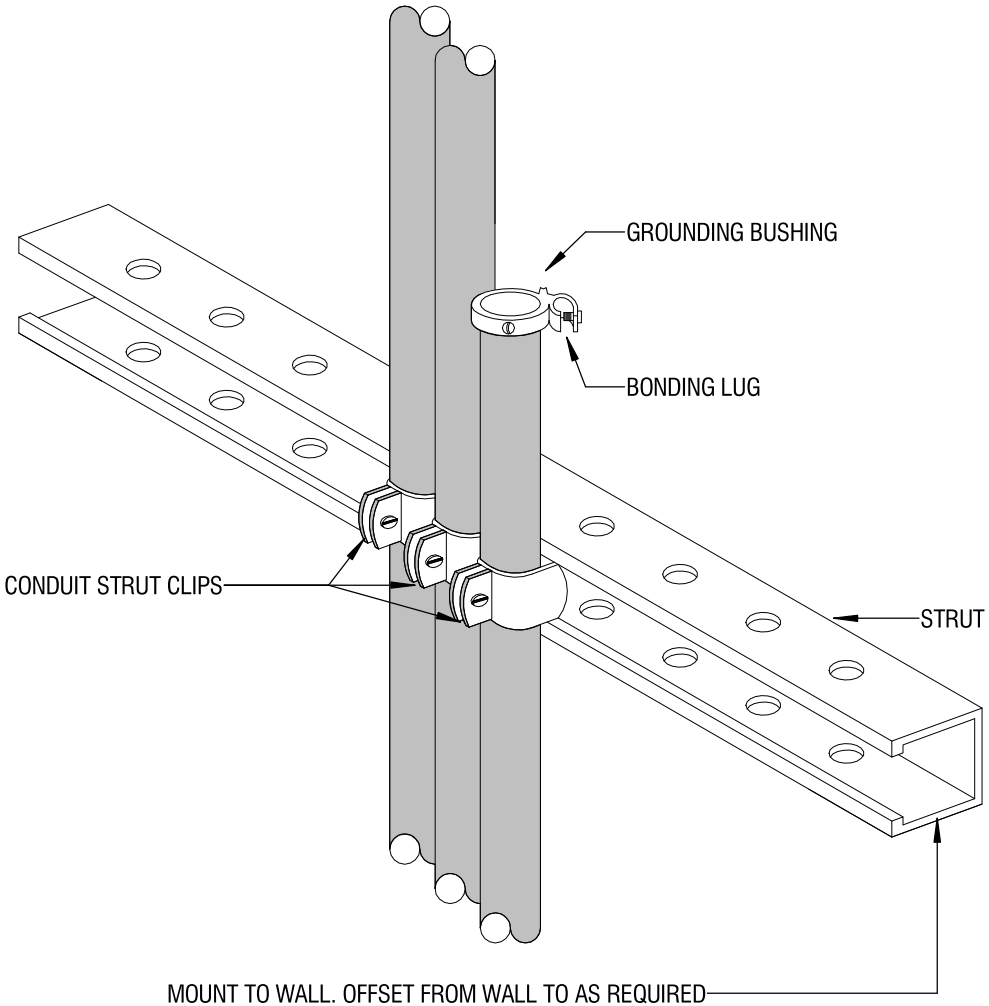



KITCHEN
BOOTH
GENERAL
STORAGE
BOOTH

KEY NOTES:

1. REMOVE EXISTING SHELVING IN THIS LOCATION TO MAKE ROOM FOR NEW ELECTRICAL PANEL.
2. HEAT PUMP IS COMPRISED OF (2) PACKAGED UNITS. PROVIDE SEPRATE POWER FEEDS AND DISCONNECT SWITCHES FOR EACH UNIT. PROVIDE POWER FROM PANEL INDICATED, SEE E632 FOR WIRE AND CONDUIT SIZE/QUANTITY. SEE MECHANICAL DRAWINGS FOR UNIT QUAINTIY.
3. **ADD ALATERNATE:** PROVIDE POWER TO NEW HEAT PUMP.
4. **ADD ALATERNATE:** PROVIDE POWER TO NEW HEAT PUMP CONDENSING UNIT.
5. PROVIDE TEMPORARY POWER TO BUILDING IT EQUIPMENT DURING CONSTRUCTION. COORDINAT EXACT LOCATION(S) WITH OWNER.
6. PROVIDE TEMPORARY POWER TO BUILDING SECURITY EQUIPMENT DURING CONSTRUCTION. COORDINATE EXACT LOCATION(S) WITH OWNER.





KEYED NOTES (#):

1. EQUIPMENT IDENTIFICATION L

2. WARNING LABEL UNGROUNDE
(VOLTAGE LABEL).

3. DISCONNECT SWITCH WARNIN

4. TESTING LABEL.

DESIGNATION: MSB SEC 2

LOCATION:

FED FROM:

SERVICE ENTRANCE LABEL:

OPTIONS:

DESIGN BASE:

DISTRIBUTION VOLTAGE: 120/208 Wye

 # OF PHASES: 3

 # OF WIRES: 4

MOUNTING: FREESTANDING

ENCLOSURE TYPE: NEMA 1

FULLY RATED AIC:

MAIN TYPE:

BUS RATING:

MCB TRIP:

MODIFICATIONS:

PANELBOARD SCHEDULE NOTATION:

*** PROVIDE GFCI TYPE BREAKER**

**** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.**

***** COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER**

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR	
1	**(N) PP1**	**200 A**	**3**	15412.7	0					3	125 A	PP-PN
3	--	-- --	--			17555.3	0			--	-- --	--
5	--	-- --	--					12855.9	0	--	-- --	--
7	PANEL R	125 A	3	0	0					3	125 A	PANEL G SE
9	--	-- --	--			0	0			--	-- --	--
11	--	-- --	--					0	0	--	-- --	--
13	PANEL 2A	125 A	3	0	0					3	125 A	EX. OFFICE
15	--	-- --	--			0	0			--	-- --	--
17	--	-- --	--					0	0	--	-- --	--
19	PANEL Q	175 A	3	0	0					3	175 A	PANEL A
21	--	-- --	--			0	0			--	-- --	--
23	--	-- --	--					0	0	--	-- --	--
25	EX. DISHWASHER BOOST	175 A	3	0	0					3	175 A	PANEL P
27	--	-- --	--			0	0			--	-- --	--
29	--	-- --	--					0	0	--	-- --	--
31	PANEL I	175 A	3	0	0					3	200 A	PANEL PA
33	--	-- --	--			0	0			--	-- --	--
35	--	-- --	--					0	0	--	-- --	--
37	**RTU-H-4**	**125 A**	**3**	6844.6	4591.9					**3**	**110 A**	**RTU-H-2**
39	--	-- --	--			6844.6	4591.9			--	-- --	--
41	--	-- --	--					6844.6	4591.9	--	-- --	--
43	**RTU-H-1**	**110 A**	**3**	4592	--					3	--	Space

DESIGNATION: (N) PP1

LOCATION:

FED FROM: MSB SEC 2

SERVICE ENTRANCE LABEL:

OPTIONS:

DESIGN BASE: SQUARE D XX SERIES

DISTRIBUTION VOLTAGE: 120/208 Wye

 # OF PHASES: 3

 # OF WIRES: 4

MOUNTING: SURFACE

ENCLOSURE TYPE: NEMA 1

FULLY

BU

MODI

PANELBOARD SCHEDULE NOTATION:

* PROVIDE GFCI TYPE BREAKER

** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.

*** COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR
1	LEAK DETECTOR AND CONDENSATE PUMP	20 A	1	240	2421.1					2	20 A
3	Receptacle	20 A	1			540	2421.1			--	-- --
5	IDU-8	15 A	2					25			
7	--	-- --	--	25	832					2	20 A
9	IDU 10.01- IDU 11.01	15 A	2			210	832			--	-- --
11	--	-- --	--					210			
13					1248					2	15 A
15	UV-109	15 A	2			416	1248			--	-- --
17	--	-- --	--					416	2863.9	3	45 A
19					2863.9					--	-- --
21	ODU-2.01	15 A	2			1248	2863.9			--	-- --
23	--	-- --	--					1248	3504	3	40 A
25	ODU-21-A	50 A	3	4589	3504					--	-- --
27	--	-- --	--			4589	3504			--	-- --
29	--	-- --	--					4589	0	1	20 A
31	Spare	20 A	1	0	0					1	20 A
33	Spare	20 A	1			0	0			1	20 A
35	Spare	20 A	1					0	0	1	20 A
37	Spare	20 A	1	0	0					1	20 A
39	Spare	20 A	1			0	0			1	20 A

DESIGNATION: (N) PP5-A

LOCATION:

FED FROM: MSB SEC 3

SERVICE ENTRANCE LABEL:

OPTIONS:

DESIGN BASE: SQUARE D XX SERIES

DISTRIBUTION VOLTAGE: 120/208 Wye

 # OF PHASES: 3

 # OF WIRES: 4

MOUNTING: SURFACE

ENCLOSURE TYPE: NEMA 1

FULLY

BU

MODI

PANELBOARD SCHEDULE NOTATION:

*** PROVIDE GFCI TYPE BREAKER**

**** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.**

***** COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER**

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR
1	**LEAK DETECTOR AND CONDENSATE PUMP**	**20 A**	**1**	60	75					**2**	**15 A**
3	**ROOF CONVEIENCE RECEP.**	**20 A**	**1**			1080	75			**--**	**-- --**
5									1664	**2**	**15 A**
7					1664					**--**	**-- --**
9							1248			**2**	**15 A**
11	**UV-221, UV-223, UV-225**	**15 A**	**2**					1248	1248	**--**	**-- --**
13	**--**	**-- --**	**--**	1248	1248					**2**	**15 A**
15	**UV-227A, UV-231**	**15 A**	**2**			832	1248			**--**	**-- --**
17	**--**	**-- --**	**--**					832	832	**2**	**15 A**
19	**Spare**	**20 A**	**1**	0	832					**--**	**-- --**
21	**Spare**	**20 A**	**1**			0	0			**1**	**20 A**
23	**Spare**	**20 A**	**1**					0	0	**1**	**20 A**
25	**Spare**	**20 A**	**1**	0	0					**1**	**20 A**
27	**Spare**	**20 A**	**1**			0	0			**1**	**20 A**
29	**Spare**	**20 A**	**1**					0	0	**1**	**20 A**
31	**Spare**	**20 A**	**1**	0	0					**1**	**20 A**
33	**Spare**	**20 A**	**1**			0	0			**1**	**20 A**
35	**Spare**	**20 A**	**1**					0	0	**1**	**20 A**
37	**Spare**	**20 A**	**1**	0	0					**1**	**20 A**
39	**Spare**	**20 A**	**1**			0	0			**1**	**20 A**
41	**Spare**	**20 A**	**1**					0	0	**1**	**20 A**
	TOTAL CONNECTED PHASE LOADS:			5127 VA		4483 VA		5824 VA			

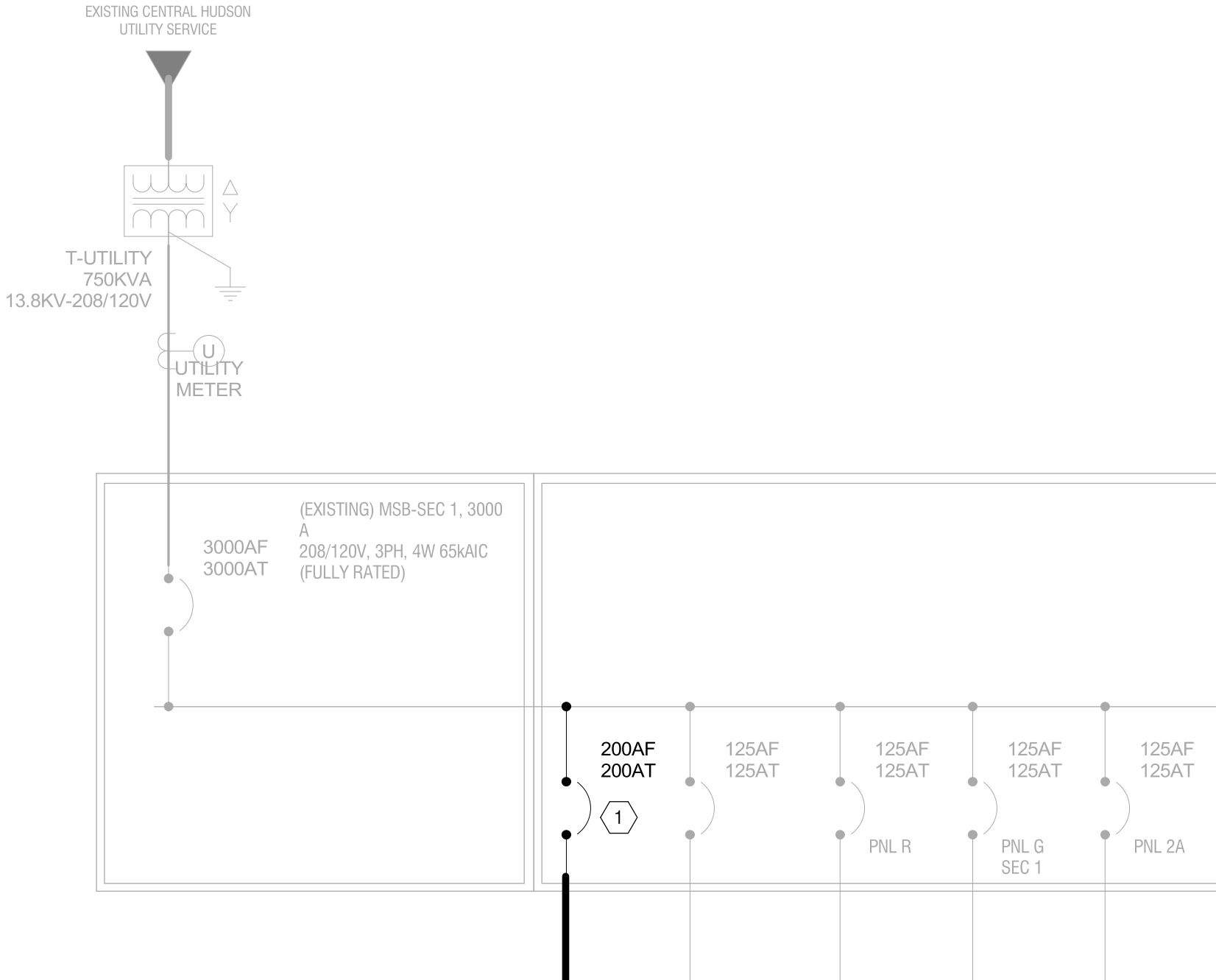
EQUIP

EQUIPMENT TAG	Manufacturer	Model	Voltage	Frequency	Phase	NUMBER OF POLE	Minimum Circuit Current	Maximum Overcurrent Protection
UV-1	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-2	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-2C	DAIKIN APPLIED	UAVS9V07	208 V	60 Hz	1	2	4 A	15 A
UV-3	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-4	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-5	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-6	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-7	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-8	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-9A	DAIKIN APPLIED	UAVS9V07	208 V	60 Hz	1	2	4 A	15 A
UV-9B	DAIKIN APPLIED	UAVS9V07	208 V	60 Hz	1	2	4 A	15 A
UV-10	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-11	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-12	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-13	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-14	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-15	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-17	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-109	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-110	DAIKIN APPLIED	UAVS9V15	208 V	60 Hz	1	2	4 A	15 A
UV-120	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-121	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-122	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-123	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-124	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-125A	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-125B	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-126A	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-126B	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-127	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-129	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-131A	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-131B	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-133	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-135A	DAIKIN APPLIED	UAVS9V07	208 V	60 Hz	1	2	4 A	15 A
UV-135B	DAIKIN APPLIED	UAVS9V07	208 V	60 Hz	1	2	4 A	15 A
UV-137	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A
UV-139	DAIKIN APPLIED	UAVS9V13	208 V	60 Hz	1	2	4 A	15 A

EQU

EQUIPMENT TAG	MANUFACTURER	MODEL NUMBER	TYPE	SUPPLY VOLTAGE	MCA	MOP	NUMBER OF POLE	V
IDU-1.01	DAIKIN	FXAQ07PVJU	WALL MOUNTED	208V/1PH	0.3	15	2	
IDU-1.02	DAIKIN	FXAQ07PVJU	WALL MOUNTED	208V/1PH	0.3	15	2	
IDU-1.03	DAIKIN	FXAQ12PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-1.04	DAIKIN	FXAQ12PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-1.05	DAIKIN	FXAQ12PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-1.06	DAIKIN	FXAQ12PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-1.07	DAIKIN	FXFA12AAVJU	2X2 CASSETTE	208V/1PH	-	15	2	
IDU-1.08	DAIKIN	FXAQ07PVJU	WALL MOUNTED	208V/1PH	0.3	15	2	
IDU-2.01	DAIKIN	FTX12NMVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-2.02	DAIKIN	FTX12NMVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-2.03	DAIKIN	FTX12NMVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-3.01	DAIKIN	FXFA12AAVJU	2X2 CASSETTE	208V/1PH	-	15	2	
IDU-3.02	DAIKIN	FXFA12AAVJU	2X2 CASSETTE	208V/1PH	-	15	2	
IDU-3.03	DAIKIN	FXSQ18TAVJU	DUCTED CONCEALED	208V/1PH	1.6	15	2	2
IDU-5	DAIKIN	FBQ18TBVJU	FAN COIL UNIT	208V/1PH	1.9	15	2	
IDU-6	DAIKIN	FBQ18TBVJU	FAN COIL UNIT	208V/1PH	1.9	15	2	
IDU-8	DAIKIN	FBQ18TBVJU	FAN COIL UNIT	208V/1PH	1.9	15	2	
IDU-10.01	DAIKIN	FXAQ24PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-10.02	DAIKIN	FXAQ24PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-10.03	DAIKIN	FXAQ24PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-10.04	DAIKIN	FXAQ24PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-10.05	DAIKIN	FXAQ07PVJU	WALL MOUNTED	208V/1PH	0.4	15	2	
IDU-11.01	DAIKIN	FTK12B	WALL MOUNTED	208V/1PH	0.4	15	2	

EQUIPMENT TAG	MANUFACTURER	MODEL NUMBER	SUPPLY VOLTAGE	SUPPLY FAN MOTOR SIZE	FLA	MOP	NUMBER OF POLE	
EF-18	GREENHECK	G-140-VG	115V/1PH	1/2	6.6	15	1	
EF-19	GREENHECK	G-140-VG	115V/1PH	1/2	6.6	15	1	
EF-21	GREENHECK	GB-300-314OXQDDRI	115V/1PH	1/2	9.8	20	1	
EF-22	GREENHECK	GB-300-314OXQDDRI	115V/1PH	1/2	9.8	20	1	
EF-33	GREENHECK	GB-300-15140X3QD-DR1	208V/1PH	1.0	8.8	15	2	


EXISTING CENTRAL HUDSON
UTILITY SERVICE
T-UTILITY
750KVA
13.8KV-208/120V
U
UTILITY
METER
3000AF
3000AT
(EXISTING) MSB-SEC 1, 3000
A
208/120V, 3PH, 4W 65kAIC
(FULLY RATED)
200AF
200AT
1
125AF
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125AF
125AT
PNL R
PNL G
SEC 1
PNL 2A

ELECTRICAL GENERAL NOTES

1. FOR EXACT LOCATIONS AND SURFACE FINISH CONDITIONS OF CEILINGS, WALLS, OR FLOORS, REFER TO ARCHITECTURAL DRAWINGS.
2. REFER TO HAZARDOUS MATERIALS DRAWINGS FOR LOCATIONS OF HAZARDOUS OR POSSIBLE HAZARDOUS MATERIALS BEFORE PERFORMING ANY WORK ON EXISTING STRUCTURES.
3. FOR EXACT LOCATION OF FACILITY EXPANSION JOINTS, FIRE RATED WALLS, AND SMOKE WALLS, REFER TO ARCHITECTURAL DRAWINGS.
4. FOR EXACT LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES, AND TAMPER SWITCHES REFER TO HVAC / FP DRAWINGS.
5. VERIFY EXACT LOCATION OF CONNECTION POINTS PRIOR TO ROUGH-IN.
6. COORDINATE LOCATIONS OF ALL RECEPTACLES AND LUMINAIRES IN MECHANICAL SPACES WITH HVAC CONTRACTOR PRIOR TO ROUGH-IN TO AVOID CONFLICTS WITH EQUIPMENT AND DUCTWORK.
7. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS NOTED OTHERWISE, EXCEPT FOR PENDANT LIGHTING WHICH ARE TO THE BOTTOM OF THE LUMINAIRE. FOR AREAS WITH DIFFERENT FLOOR LEVELS, HEIGHT IS BASED UPON CLOSEST FLOOR OR LANDING TO DEVICE, EQUIPMENT, OR LUMINAIRE. ELEVATIONS GIVEN ON LEGEND SHEET ARE UNLESS NOTED OTHERWISE ON DRAWINGS.
8. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.
9. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG **[EXCEPT LIFE SAFETY/EMERGENCY BRANCH CIRCUIT WIRING WHICH SHALL BE MINIMUM #10 AWG]**. SIZE BRANCH CIRCUIT CONDUCTORS AS PER NEC AND AS SCHEDULED ON THIS DRAWING BASED ON ACTUAL CIRCUIT DISTANCE. INCLUDE GROUND CONDUCTOR DERATINGS.
10. PULL A SEPARATE NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS REQUIRING A NEUTRAL CONNECTION. DERATE CONDUCTORS PER NEC ACCORDINGLY. MULTIWIRE BRANCH CIRCUITS ARE NOT ACCEPTABLE.
11. PROVIDE GROUNDING PER NEC & TIA 607B. PROVIDE GREEN GROUND CONDUCTOR IN ALL BRANCH AND FEEDER CIRCUITS.
12. DO NOT INSTALL ANY NEW WORK DIRECTLY ABOVE ANY ELECTRICAL PANELS, SWITCHBOARDS, SWITCHGEAR, OR TRANSFORMERS.
13. CIRCUIT NUMBERS SHOWN FOR EQUIPMENT TO BE CONNECTED TO EXISTING PANELBOARD(S) IS SHOWN FOR DESIGN INTENT ONLY AND MAY NOT CORRESPOND TO ACTUAL CIRCUIT BREAKER MOUNTING POSITION IN THE PANEL. UPDATE THE RECORD DRAWINGS & PANELBOARD DIRECTORY WITH THE ACTUAL CIRCUIT NUMBERS USED TO CORRESPOND TO THE PANEL DIRECTORY.
14. CONFIRM ALL LABELS AND ROOM NUMBERS WITH OWNER PRIOR TO FINALIZING LABELING AND PROGRAMMING.
15. COORDINATE FINAL OUTLET LOCATION WITH ALL TRADES AND FURNITURE/MILLWORK PLACEMENT PRIOR TO ROUGH-IN. GENERAL CONTRACTOR SHALL PROVIDE ALL DRILLING AND GROMMETING IN FURNITURE/CASEWORK FOR CORD ACCESS IF REQUIRED.
16. INSTALL DATA OUTLETS 6" ADJACENT TO ASSOCIATED ELECTRICAL OUTLET.

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BFG
BKBD
BLDG
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CTV
CB
CCTV
CKT
CLG
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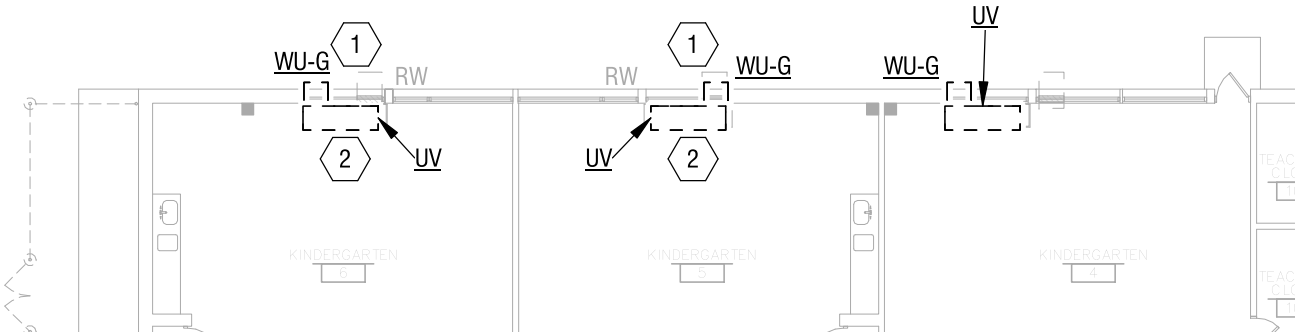
CO
COAX
CT
CU
DC
DIA
DISC
DIV
DN
DPDT

DEVICE SUBSCRIPTS

II	ROMAN NUMERAL INDICATES QUANTITY OF GANGED DEVICES UNDER COMMON FACEPLATE
+xx	HEIGHT OF DEVICE ABOVE FINISHED FLOOR (IN INCHES)
a	LOWER CASE LETTER(S) INDICATES SWITCH CONTROL ARRANGEMENT
5	NUMERAL INDICATES BRANCH CIRCUIT NUMBER (POWER & LIGHTING)/CANDELA RATING (FIRE ALARM DEVICES)
A	WITH AUXILIARY CONTACTS
AC	INSTALL ABOVE COUNTER, AT 40" AFF. COORDINATE WITH GC
B	REMOVE DEVICE AND INSTALL BLANK COVERPLATE
BF	BLANKFACE GFCI
CD	CORD DROP RECEPTACLE
CH	CLOCK HANGER RECEPTACLE
CL	INSTALL FLUSH IN CEILING
CLS	INSTALL ON SURFACE OF CEILING
C*	CONTROL POINT IDENTIFIER (* INDICATES CONTROL NUMBER)
COP	RECEPTACLE FOR COPIER , INSTALL 18" AFF
COF	RECEPTACLE FOR COFFEE , INSTALL 44" AFF
D	DIMMER SWITCH (LIGHTING CONTROL)
E	EXISTING BACKBOX TO REMAIN AND BE REUSED
EN	EXISTING BACKBOX WITH NEW DEVICE
EO	EQUIPMENT SUPPLIED BY OWNER
EQ	INSTALL IN EQUIPMENT/CASEWORK
ER	EXISTING TO BE REMOVED
ERL	EXISTING TO BE RELOCATED
ETR	EXISTING TO REMAIN
EWC	RECEPTACLE FOR WATER COOLER. COORDINATE EXACT LOCATION WITH GC & PC PRIOR TO ROUGH-IN
EXP	EXPLOSION PROOF
FL	INSTALL FLUSH IN FLOOR
FB	INSTALL IN FLOORBOX/POKETHRU
FRA	FIRE RATED ASSEMBLY
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
GFP	FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED
H	INSTALL HORIZONTALLY
HA	HIGH ABUSE COVERPLATE WITH CENTER PIT REJECT SCREWS
IG	ISOLATED GROUND RECEPTACLE
K	KEY OPERATED


WU-G
1
RW
2
UV
WU-G
1
RW
2
UV
WU-G
UV
KINDERGARTEN
6
KINDERGARTEN
5
KINDERGARTEN
4

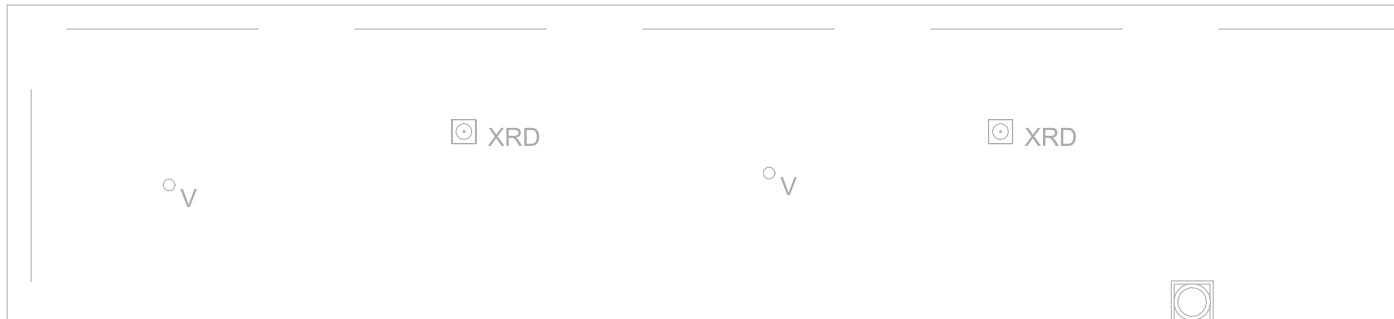
KEY NOTES:

1. DISCONNECT AND REMOVE EXISTING MECHANICAL WINDOW UI
RECEPTACLE TO AC UNIT IN PLACE FOR FURTURE USE. TRACE
TO SOURCE, TURN TO THE OFF POSTION, AND MARK AS SPARE

2. DISCONNECT AND REMOVE EXISTING UNIT VENT IN THIS ROOM
CABLING BACK TO SOURCE AND MARK AS SPARE.

3. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT. BRIN
BACK TO SOURCE AND MARK AS SPARE.

4. SEE DRAWING E-001 FOR ADDITIONAL ELECTRICAL DEMOLITIO


XRD
V
XRD
V

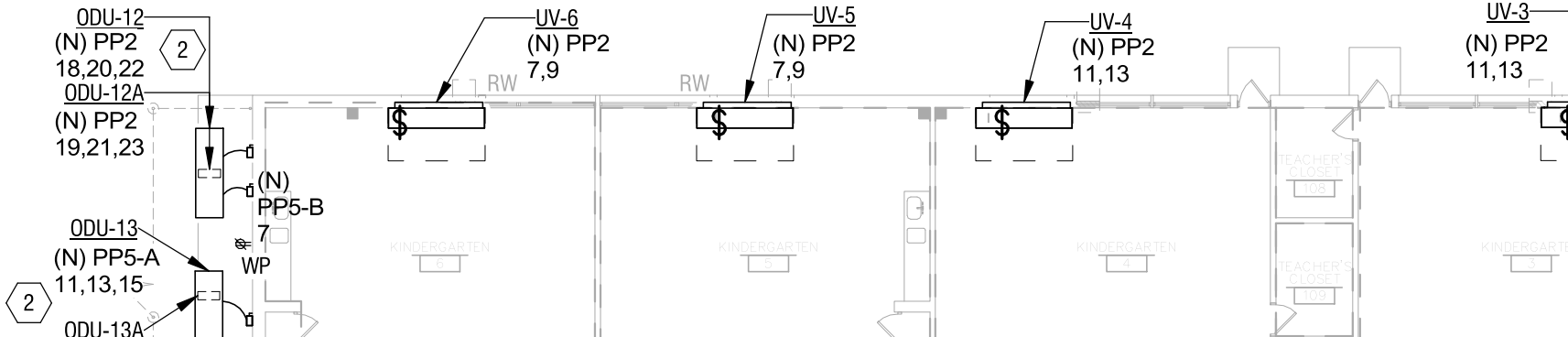
N.I.C.

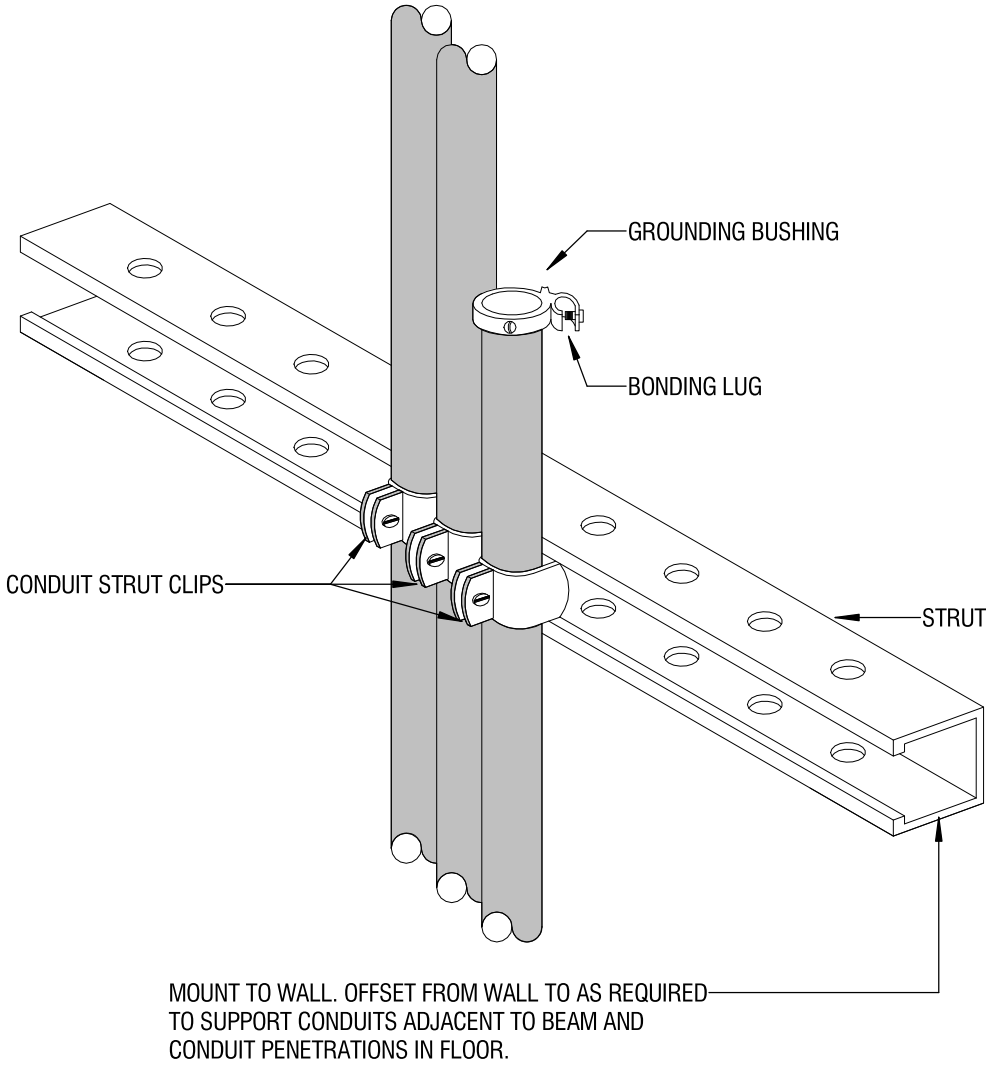
KEY NOTES:

1. REMOVE EXISTING SHELVING IN THIS AREA TO MAKE ROOM FOR NEW ELECTRICAL PANEL.
2. HEAT PUMP IS COMPRISED OF (2) PACKAGED UNITS. PROVIDE SEPARATE POWER FEEDS AND DISCONNECT SWITCHES FOR EACH UNIT. PROVIDE POWER FROM PANEL INDICATED, SEE E632 FOR WIRE AND CONDUIT SIZE/QUANTITY. SEE MECHANICAL DRAWINGS FPR UNIT QUANTITY.
3. **ADD ALATERNATE:** PROVIDE POWER TO NEW HEAT PUMP.
4. **ADD ALATERNATE:** PROVIDE POWER TO NEW HEAT PUMP CONDENSING UNIT.
5. PROVIDE TEMPORARY POWER TO BUILDING IT EQUIPMENT DURING CONSTRUCTION. COORDINATE EXACT LOCATION(S) WITH OWNER.
6. PROVIDE TEMPORARY POWER TO BUILDING SECURITY EQUIPMENT DURING CONSTRUCTION. COORDINATE EXACT LOCATION(S) WITH OWNER.

GENERAL NOTES:

1. PROVIDE LOW VOTLAGE CONTROL WIRING BETWEEN ODU, DAISY CHAINED FROM ODU. SEE MANUFACTUR DRAWINGS FOR MORE INFORMATION.
2. ELECTRICAL CONTRACTOR TO TRENCH OUT CONDUI EQUIPMENT PAD, SEE DETAIL ON E500. RUN NEW C DRAWING E631. ALL UNDERGROUND FEEDER RUNS WEATHER EXPOSED RUNS SHALL BE ENCASED IN RI EQUIPMENT SHALL BE IN NEMA 3R ENCLOSURE. INF CIVIL AND ARCHITECTURAL PLANS. CONDUIT FEEDS CEILING PUNCH OUT TO THE EXTERIOR WALL AND D GROUND. PROVIDE EXPANSION JOINTS AS REQUIRED
3. A.C.T. CEILING WITHIN AREA OF WORK SHALL BE RE COORDINATE WITH NEW CONDUIT AND MECHANICAL CONTRACTOR SHALL TEMPORARILY DISCONNECT EX CEILING THAT IS DENOTED TO BE REMOVED. SAFE O ACCESSIBLE CEILING AND STORE EXISTING FIXTURE REINSTALLATION IN SAME LOCATION AT COMPLETIO





KEYED N

1. EQUIP

2. WARN
(VOLTAG

3. DISCO

4. TESTI

DESIGNATION: MDP SEC.1

LOCATION:
FED FROM:
SERVICE ENTRANCE LABEL:
OPTIONS:

DESIGN BASE:
DISTRIBUTION VOLTAGE: 120/208 Wye
 # OF PHASES: 3
 # OF WIRES: 4
MOUNTING: FREESTANDING
ENCLOSURE TYPE: NEMA 1

FULLY RATED AIC:
MAIN TYPE:
BUS RATING:
MODIFICATIONS:

PANELBOARD SCHEDULE NOTATION:

***** PROVIDE GFCI TYPE BREAKER

****** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.

******* COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR	
1	PANEL UVC	40 A	3	0	0					3	40 A	PANEL UVB
3	--	-- --	--			0	0			--	-- --	--
5	--	-- --	--					0	0	--	-- --	--
7	PANEL C	50 A	3	0	0					3	50 A	PANEL PP-2
9	--	-- --	--			0	0			--	-- --	--
11	--	-- --	--					0	0	--	-- --	--
13	PANEL UVA	50 A	3	0	0					3	50 A	PANEL PP-2
15	--	-- --	--			0	0			--	-- --	--
17	--	-- --	--					0	0	--	-- --	--
19	PANEL E	70 A	3	0	0					3	150 A	PANEL PP-1
21	--	-- --	--			0	0			--	-- --	--
23	--	-- --	--					0	0	--	-- --	--
25	PANEL B	90 A	3	0	0					3	90 A	PANEL D
27	--	-- --	--			0	0			--	-- --	--
29	--	-- --	--					0	0	--	-- --	--
31	PANEL J	90 A	3	0	0					3	90 A	PANEL 2E
33	--	-- --	--			0	0			--	-- --	--
35	--	-- --	--					0	0	--	-- --	--
37	PANEL L	90 A	3	0	0					3	90 A	PANEL PM
39	--	-- --	--			0	0			--	-- --	--
41	--	-- --	--					0	0	--	-- --	--
43	PANEL H SEC. 1	100 A	3	0	0					3	150 A	PANEL PP-2

DESIGNATION: (N) PP5-A

LOCATION: A.C. ROOM

FED FROM:

SERVICE ENTRANCE LABEL:

OPTIONS:

DESIGN BASE: SQUARE D XX SERIES

DISTRIBUTION VOLTAGE: 120/208 Wye

 # OF PHASES: 3

 # OF WIRES: 4

MOUNTING: SURFACE

ENCLOSURE TYPE: NEMA 1

FULL

MO

PANELBOARD SCHEDULE NOTATION:

* PROVIDE GFCI TYPE BREAKER

** REFER TO POWER DISTRIBUTION ONE-LINE DIAGRAM OR EQUIPMENT CONNECTION SCHEDULE(S) FOR TRIP RATING.

*** COORDINATE CIRCUIT BREAKER RATING WITH SPD MANUFACTURER

CKT	CIRCUIT DESCRIPTION	BKR	POLES	A		B		C		POLES	BKR
1	LEAK DETECTOR AND CONDENSATE PUMP	20 A	1	60							
3	UV-221,223,225	15 A	2			1248					
5	--	-- --	--					1248	4263	3	50 A
7	IDU-2.01 -.04	15 A	2	124.8	4263					--	-- --
9	--	-- --	--			124.8	4263			--	-- --
11	ODU-13A	40 A	3					3504	4589	3	40 A
13	--	-- --	--	3504	4589					--	-- --
15	--	-- --	--			3504	4589			--	-- --
17	UV-227A,229A	15 A	2					832	1664	2	15 A
19	--	-- --	--	832	1664					--	-- --
21	UV-235B,237,227	15 A	2			1248	1248			2	15 A
23	--	-- --	--					1248	1248	--	-- --
25	UV-231,233,235A	15 A	2	1248	0					1	20 A
27	--	-- --	--			1248	0			1	20 A
29	Spare	20 A	1					0	0	1	20 A
31	Spare	20 A	1	0	0					1	20 A
33	Spare	20 A	1			0	0			1	20 A
35	Spare	20 A	1					0	0	1	20 A
37	Spare	20 A	1	0	0					1	20 A
39	Spare	20 A	1			0	0			1	20 A
41	Spare	20 A	1					0	0	1	20 A
	TOTAL CONNECTED PHASE LOADS:			16285 VA		17473 VA		18506 VA			

ELECTRICAL POWER - A

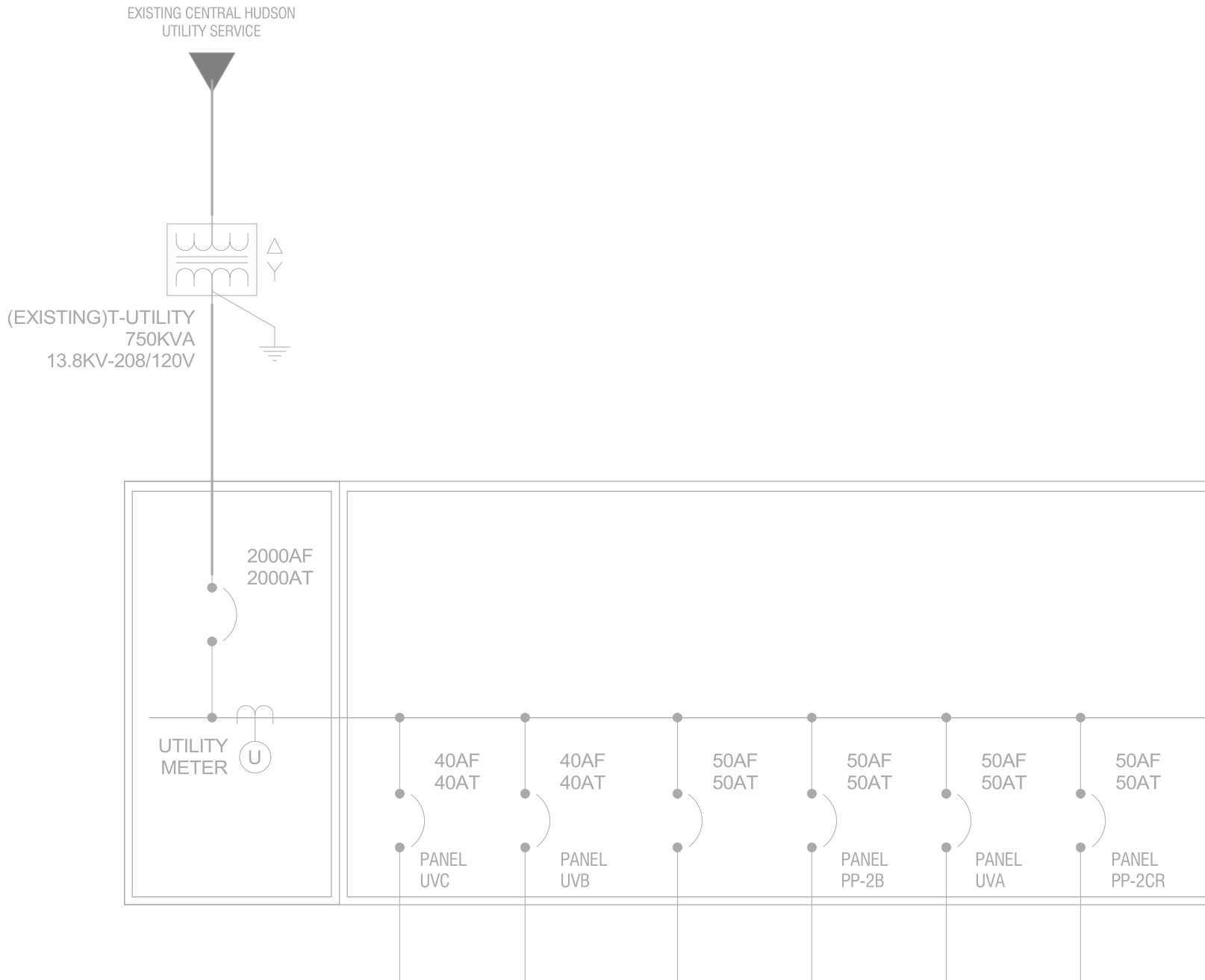
TAG	EQUIPMENT INFORMATION		SERVES	LOCATION	SUPPLY VOLTAGE	NUMBER OF POLES	MOP	MCA	VA	Panel
	MANUFACTURER	MODEL NUMBER								
ACCU T-1	DAIKIN	RCS10H150C	PLAYROOM WEST AND STAGE	ROOF	208V/3PH	3	80	53	15306.4	(N) PP5-B
ACCU T-2	DAIKIN	DX14XA1203A	PLAYROOM EAST	ROOF	208V/3PH	3	80	47.7	13775.76	(N) PP5-B
ACCU T-5	DAIKIN	RCS020D	GYM	ROOF	208V/3PH	3	125	95.8	27590.4	MDP SEC.1
ACCU T-6	DAIKIN	RCS020D	GYM	ROOF	208V/3PH	3	125	95.8	27590.4	MDP SEC.1

ELECTRICAL POWER - AIR-C

TAG	BASIS OF DESIGN									ELECTRIC
	MANUFACTURER	MODEL NUMBER	VOLTAGE/PHASE	Number of Poles	MOP	RLA	MCA	VA	PANEL	CIRCUIT
ODU-1	DAIKIN	RXYQ72AATJA	208V/3PH	3	30	11.1	27.3	7862	(N) PP1	18,
ODU-2.01	DAIKIN	RXL12QMVJU9	208V/1PH	2	15	12.0	13.0	2163	(N) PP2	2
ODU-2.02	DAIKIN	RXL12QMVJU9	208V/1PH	2	15	12.0	13.0	2163	(N) PP6-B	
ODU-2.03	DAIKIN	RXL12QMVJU9	208V/1PH	2	15	12.0	13.0	2163	(N) PP6-B	1
ODU-4-ALT	DAIKIN	RZQ18TBVJUA	208V/1PH	2	20	15.3	16.5	4842.2	(N) PP2	1
ODU-5-ALT	DAIKIN	RZQ18TBVJUA	208V/1PH	2	20	15.3	16.5	4842.2	(N) PP3	1
ODU-7-ALT	DAIKIN	RZQ18TBVJUA	208V/1PH	2	20	15.3	16.5	4842.2	(N) PP6-A	
ODU-9	DAIKIN	RXYQ96AATJA	208V/3PH	3	45	23.8	36.3	10454	(N) PP1	6,
ODU-10	DAIKIN	RK12BXVJU	208V/1PH	2	15	2.9	4	665.6	(N) PP1	1
ODU-11.01	DAIKIN	RXL12QMVJU9	208V/1PH	2	15	12.0	13.0	2163	(N) PP3	1
ODU-12	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	21.3	36.5	10519	(N) PP2	18,
ODU-12A	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	25.8	47.8	13766.4	(N) PP2	19,
ODU-13	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	21.3	36.5	10519	(N) PP5-A	11,
ODU-13A	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	25.8	47.8	13766.4	(N) PP5-A	12,
ODU-14	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	21.3	36.5	10519	(N) PP1	12,
ODU-14A	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	25.8	47.8	13766.4	(N) PP1	15,
ODU-15	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	21.3	36.5	10519	(N) PP6-B	6,
ODU-15A	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	25.8	47.8	13766.4	(N) PP6-B	12,
ODU-16	DAIKIN	RXYQ72AATJA	208V/3PH	3	30	11.1	27.3	7862	(N) PP4	25,
ODU-17	DAIKIN	RXYQ72AATJA	208V/3PH	3	30	11.1	27.3	7862	(N) PP6-B	18,
ODU-18	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	21.3	36.5	10519	(N) PP6-B	15,
ODU-18A	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	25.8	47.8	13766.4	(N) PP6-A	1
ODU-19	DAIKIN	RXYQ264AATJA	208V/3PH	3	40	21.3	36.5	10519	(N) PP6-A	7,

ELECTRICAL POWER - VRF HEAT PUMP

TAG	BASIS OF DESIGN		SERVED BY	VOLTAGE/PHASE	NUMBER OF POLES	MCA	MOP	VA	Panel	Ci
	MANUFACTURER	MODEL NUMBER								
IDU-1.01	DAIKIN	FXAQ07PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-1.02	DAIKIN	FXAQ07PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-1.03	DAIKIN	FXAQ12PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-1.04	DAIKIN	FXAQ12PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-1.05	DAIKIN	FXAQ12PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-1.06	DAIKIN	FXAQ12PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-1.07	DAIKIN	FXFA12AAVJU	ODU-1	208V/1PH	2	-	15	70	(N) PP2	
IDU-1.08	DAIKIN	FXAQ07PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP2	
IDU-2.01	DAIKIN	FTX12NMVJU	ODU-2	208V/1PH	2	0.4	15	66.56	(N) PP5-A	
IDU-2.02	DAIKIN	FTX12NMVJU	ODU-2	208V/1PH	2	0.4	15	66.56	(N) PP5-A	
IDU-2.03	DAIKIN	FTX12NMVJU	ODU-2	208V/1PH	2	0.4	15	66.56	(N) PP5-A	
IDU-4	DAIKIN	FBQ18TBVJU	ODU-4-ALT	208V/1PH	2	1.9	15	50	(N) PP3	
IDU-5	DAIKIN	FBQ18TBVJU	ODU-5-ALT	208V/1PH	2	1.9	15	50	(N) PP3	
IDU-7	DAIKIN	FBQ18TBVJU	ODU-7-ALT	208V/1PH	2	1.9	15	50	(N) PP1	
IDU-9.01	DAIKIN	FXAQ24PVJU	ODU-9	208V/1PH	2	0.4	15	66.56	(N) PP1	
IDU-9.02	DAIKIN	FXAQ24PVJU	ODU-9	208V/1PH	2	0.4	15	66.56	(N) PP1	
IDU-9.03	DAIKIN	FXAQ24PVJU	ODU-9	208V/1PH	2	0.4	15	66.56	(N) PP1	
IDU-9.04	DAIKIN	FXAQ24PVJU	ODU-9	208V/1PH	2	0.4	15	66.56	(N) PP1	
IDU-9.05	DAIKIN	FXAQ07PVJU	ODU-9	208V/1PH	2	0.4	15	66.56	(N) PP1	
IDU-10.01	DAIKIN	FTK12B	ODU-10	208V/1PH	2	0.4	15	66.56	(N) PP1	
IDU-11.01	DAIKIN	FXAQ12PVJU	ODU-1	208V/1PH	2	0.4	15	66.56	(N) PP3	


EXISTING CENTRAL HUDSON
UTILITY SERVICE
Δ
Y
(EXISTING)T-UTILITY
750KVA
13.8KV-208/120V
2000AF
2000AT
UTILITY
METER
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UVC
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PP-2B
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UVA
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PP-2CR