

IFB ADDENDUM #2

To: All Bidders

From: Rita V. Brousseau, Chief Procurement Officer

Date: January 12, 2024

Re: IFB 2023-10 City View Towers Electrical Upgrade

This Addendum modifies and forms a part of the Bid Set documents dated December 13, 2023.

This Addendum consists of the following: Four (4) typed pages, revised drawings and asbestos report.

Where any items called for in the bid documents are supplemented here, the supplemental requirements shall be considered as added thereto. Where any original item is amended, voided, or superseded here, the other provisions of such items not specifically amended, voided, or superseded shall remain in effect.

THE NUMBER OF THIS ADDENDUM MUST BE ENTERED IN THE APPROPRIATE SPACE PROVIDED ON "GENERAL BID FORM."

<u>Extension of Bid Due Date and Time</u>: Bids from all vendors are due at the Lowell Housing Authority Dept. of Finance & Procurement, 350 Moody Street, Lowell, MA 01854 on or before 11:00 AM on January 31, 2024.

<u>Pre-Bid Site Visits</u>: Additional site-visits are scheduled as listed below. Contractors shall meet in the lobby of City View Towers located at 657 Merrimack Street. Those wishing to attend should RSVP to Rita Brousseau at 978-364-5341 or at <u>rbrousseau@lhma.org</u>.

- 1. Wednesday, January 17, 2024 @ 1:00 p.m.
- 2. Thursday, January 18, 2024 @ 9:00 a.m.
- 3. Thursday, January 18, 2024 @ 2:00 p.m.

Deadline for written questions: Tuesday, January 23, 2024, by 3:00 p.m.

Drawings:

Drawing AD.01 - Basement Plan - Demolition

1. Scope of Work Note R-2: Scope of Work R-2: Delete "VCT" and replace with "Ceramic Tile". Add sentence: - (R) All mortar and grout leaving a smooth concrete floor.



Drawing E0.02 - Drawing E0.02 Electrical Abbreviations and General Notes:

1. Add "Phasing Note: All temporary power rental equipment and associated cables shall be disconnected and removed by the rental company: Infra-Red Building & Power Service of Holbrook, MA (781) 767-0888 under a separate contract. Provide coordination of all required shutdowns between the Owner and Infra-Red BPS."

Drawing E3.01 - Power Systems and Fire Alarm

- 1. In Ductbank Section reference tags on Power and Systems Plan from "2" to "3".
- 2. In Ductbank Section Add Tag 8 to read "Spare 2 ½" C."
- 3. In Ductbank Section A Change reference tag from "7" to "8".
- 4. In Ductbank Section Change GDP feeder from 2" to 2 1/2".

Drawing E6.01 - Part Plans - New Work

1. Add Drip Pan Detail.

Drawing E7.02 - One Line Diagram - New Work

1. Delete drawing in its entirety and replace with revised Drawing.

Drawing E8.01 - Schedules

1. Panelboard Schedule for Panel P2B1 to read: Mains: 400A MLO.

Answers to Bidder's Questions:

- 1. **Question**: Will the Housing Authority pay the utility company back charges if there are any? **Answer**: BMM to coordinate with LHA.
- 2. **Question:** Will the Housing Authority pay for the service company's charges if there are any? Pine Ridge, Rustic Fire, Infra-red, Power Up and elevator company. **Answer:** BMM to coordinate with LHA.
- 3. **Question:** Drawing AD.01 Note R2 Remove all VCT flooring except within restrooms shown to remain. During the walkthru, portion of the office spaces are ceramic tile, do we need to demo those? Since the note only mentions VCT flooring.

Answer: See above.

4. **Question**: Need abatement testing report to identify what are has asbestos. **Answer**: See above.



- 5. Question: What kind of wiring method for the non-demo area (From column A to column G)? Existing are sheetrock hard ceiling. Existing there are some surface mount EMT. Do all those new receptacles and lighting feeds need to be concealed or can be surface mount?

 Answer: Refer to Specification Section 260533.13 Paragraph 3.1.5.
- 6. Question: Is there any existing security service company that service the existing security and access system? We need to contact them for relocation of the equipment.

 Answer: Yes. BCM Controls Corporation, 30 Commerce Way, Woburn, MA (781) 933-8878.
- 7. **Question**: Request to have a second walk through with our sub-contractors. **Answer**: See site visit schedule above.
- 8. Question: Who is who is responsible for removing the rental power cables, Infra-Red's electrician did not know if this was carried in the original emergency contract.
 Answer: Rental power equipment and cables shall be removed by the rental company, coordination and phasing is required.
- 9. **Question**: ATS-1 is fed with 3 #6 on a 90A breaker. Please confirm this is correct. **Answer**: Answer: See above.
- 10. **Question**: ATS-2 is fed with 3 #6 on a 150A breaker. Please confirm this is correct. **Answer**: See above.
- 11. **Question:** The 45KVA for Life Safety calls for #2 on 150A. Please confirm this is correct. **Answer:** See above.
- 12. **Question**: DP2B calls for 8 conductors in (1) 1" conduit. Should this be 2 conduits? **Answer**: See above.
- 13. **Question**: Panel P2B1, L2B1, LRB1 and M2B1 do not show neutrals. Please confirm this is correct. **Answer**: See above.
- 14. Question: Does the vertical Bus Duct requite a neutral? It is not shown on the riser.

 Answer: See above.
- 15. **Question**: There are no grounds shown on the riser. Please confirm this is correct. **Answer**: See above.
- 16. **Question:** What Fire Alarm system is currently in place? It is listed to remain. **Answer:** Mircom FX2000 Series.



- 17. **Question:** Who is the company on record for the Fire Alarm in the building? **Answer:** Pine Ridge Technologies, 217R Main St., North Reading, MA 01864. Contact Jonathan Gonzalez (781) 246-5555.
- 18. **Question:** Regarding the Asbestos Abatement scope of work, is there an available Asbestos Report that can be issued via addendum?

 Answer: See attached.
- 19. **Question**: Can the quantity of devices/items to be abated be issued via addendum to ensure equal playing field for all bidders?

 Answer: See above.
- 20. **Question:** Specifications Section 024119 1.2 B lists 020800 as the Specification Section for Asbestos Abatement and Related Work. This Specification Section is not shown. Will 020800 be released via addendum to clarify scope of work? **Answer:** See above.

END OF ADDENDUM #2

R # -SYMBOL DENOTES WORK TO BE DONE. NUMBER CORRESPONDS TO A SPECIFIC NOTE BELOW.

1. ABBREVIATIONS, LEGENDS AND NOTES REFER TO A1.01.

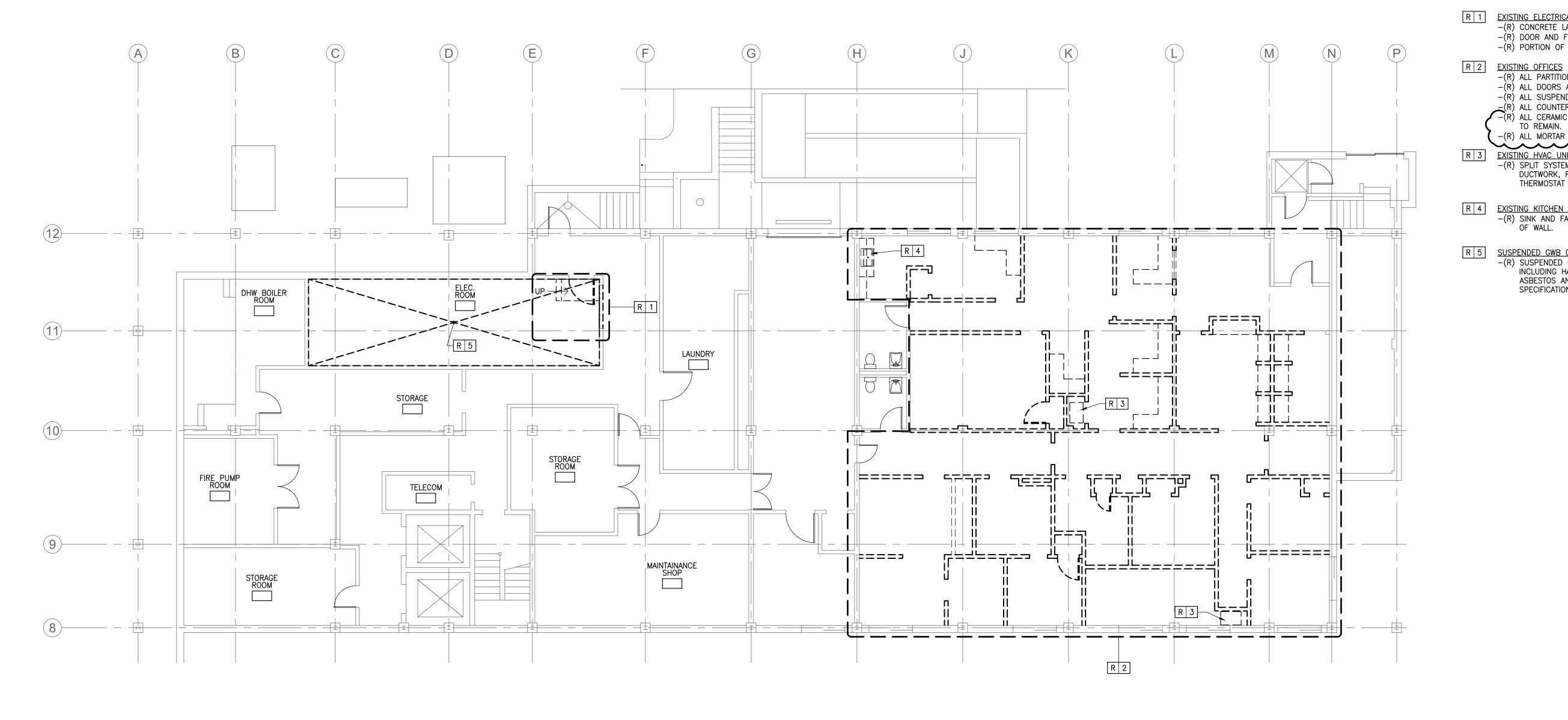
R 1 EXISTING ELECTRICAL ROOM -(R) CONCRETE LANDING AND TREAD. -(R) DOOR AND FRAME -(R) PORTION OF CMU PARTITION FOR NEW DOOR AND FRAME.

-(R) ALL PARTITIONS INDICATED BY DASHED LINE UP TO DECK ABOVE. -(R) ALL DOORS AS INDICATED BY DASHED LINE. -(R) ALL SUSPENDED CEILINGS. (E) SPRINKLER HEADS TO REMAIN -(R) ALL COUNTERS, CABINETS, BUILT IN DESKS, ETC.
-(R) ALL CERAMIC TILE FLOORING EXCEPT WITHIN RESTROOMS SHOWN -(R) ALL MORTAR AND GROUT LEAVING A SMOOTH CONCRETE FLOOR.

R 3 EXISTING HVAC UNITS -(R) SPLIT SYSTEM AIR CONDITIONING SYSTEM INCLUDING ALL DUCTWORK, REFRIGERANT PIPING, OUTDOOR CONDENSER, THERMOSTAT CONTROLS, AND CONDENSATE PUMP AND PIPING.

R 4 EXISTING KITCHEN SINK -(R) SINK AND FAUCET. CUT AND CAP EXISTING PIPING STUBBED OUT OF WALL.

R 5 SUSPENDED GWB CEILING -(R) SUSPENDED GYPSUM WALL BOARD AND FRAMING SYSTEM INCLUDING HANGERS. EXISTING PLASTER COATING CONTAINS ASBESTOS AND SHALL BE ABATED IN ACCORDANCE WITH SPECIFICATIONS.



BASEMENT PLAN - DEMOLITION

ELECTI	RICAL ABBREVIATIONS		
P P#W	NUMBER OF POLES NUMBER OF POLES, NUMBER OF WIRES	kVA kVAR kW	KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATTS
·#	NUMERAL INDICATES		
П	MOUNTING HEIGHT TO CENTERLINE ABOVE FINISHED FLOOR OR GRADE, IN INCHES.	LTG LFMC LSIG	LIGHTING LIQUIDTIGHT FLEXIBLE METAL CONDUIT LONG TIME, SHORT TIME,
	AMPERES	LV	INSTANTANEOUS, GROUND FAULT LOW VOLTAGE
C	ALTERNATING CURRENT	LV	LOW VOLIAGE
/E _	ARCHITECT/ENGINEER	MAX	MAXIMUM
F FCI	AMP FRAME / AMP FUSE ARC-FAULT CIRCUIT INTERRUPTER	MC	METAL CLAD CABLE
FF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
FG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
HJ	AUTHORITY HAVING JURISDICTION	MCP MFR	MOTOR CIRCUIT PROTECTOR MANUFACTURER
IC	AMPERE INTERRUPTING CAPACITY	MIN	MINIMUM
L	ALUMINUM	MLO	MAIN LUG ONLY
NSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MTD	MOUNTED
S T	AMP SWITCH	MTG	MOUNTING
TS	AMP TRIP AUTOMATIC TRANSFER SWITCH	MTS	MANUAL TRANSFER SWITCH
UX	AUXILIARY	MV	MEDIUM VOLTAGE
/V	AUDIO / VISUAL	NAC	NOTIFICATION ADDITANCE CIDCUIT
WG	AMERICAN WIRE GAGE	NAC NC	NOTIFICATION APPLIANCE CIRCUIT NORMALLY CLOSED
		NEC	NATIONAL ELECTRIC CODE
IL	BASIC IMPULSE LEVEL	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
LDG	BUILDING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PS	BOLTED PRESSURE SWITCH	NIC	NOT IN CONTRACT
	CONDUIT	NM	NON-METALLIC SHEATHED CABLE
AT	CATALOG	NMC NO	NON-METALLIC CONDUIT
ATV	CABLE TELEVISION	NO NTS	NORMALLY OPEN NOT TO SCALE
CTV	CLOSED CIRCUIT TELEVISION	11	NUMBER
KT _.	CIRCUIT	#	NOMBER
B/CKT BKR	CIRCUIT BREAKER	O.C.	ON CENTER
O	CENTERLINE	O/H	OVERHEAD
O P	CARBON MONOXIDE CONTROL PANEL		
T	CURRENT TRANSFORMER	PC	PLUMBING CONTRACTOR/
Ü	COPPER		PERSONAL COMPUTER
		PH / ø	PHASE DASSIVE INFRARED
	DELTA	PIR PIV	PASSIVE INFRARED POST INDICATING VALVE
С	DIRECT CURRENT	PNL/PNLBD	
ISC	DISCONNECT	POS	POINT OF SALE
N wo	DOWN DRAWING(S)	PRI	PRIMARY
WG	DRAWING(S)	PT	POTENTIAL TRANSFORMER
	WIRED ON EMERGENCY CIRCUIT	PV	PHOTOVOLTAIC
С	ELECTRICAL CONTRACTOR	PVC	POLYVINYL CHLORIDE CONDUIT
LEC	ELECTRIC(AL)	PWR	POWER
M/EMER	EMERGENCY	RCP	REFLECTED CEILING PLAN
MT	ELECTRICAL METAL TUBING	RMC	RIGID METAL CONDUIT
NT	ELECTRICAL NON-METALLIC TUBING	RSC	RIGID STEEL CONDUIT
OL BO	END OF LINE		
P0	EMERGENCY POWER OFF	SEC	SECONDARY
	FUSE	SN	SOLID NEUTRAL
DR	FEEDER(S)	SS	STAINLESS STEEL
LA	FULL LOAD AMPERES	ST STP	SHUNT TRIP SHIELDED TWISTED PAIR
LR	FLOOR	STL	STEEL STEEL
MC	FLEXIBLE METAL CONDUIT	SW	SWITCH
,		SWBD	SWITCHBOARD
/GND	GROUND	SWGR	SWITCHGEAR
C	GENERAL CONTRACTOR GENERATOR		
EN FCI	GROUND—FAULT CIRCUIT INTERRUPTER	T/D TFI	TELEPHONE/DATA TELEPHONE
. ••	The same of the sa	161	11 1 C F F C LINE

TELEPHONE

UNDERGROUND

VOLT/VOLTAGE

WEATHERPROOF

TRANSFORMER

EXPLOSION PROOF

WATT WATT HOUR

WYE

TYPICAL

THERMAL MAGNETIC CIRCUIT BREAKER

UNDER-COUNTER OR UNDER-CABINET

TELECOMMUNICATION OUTLET

UNDERWRITERS LABORATORIES

UNSHIELDED TWISTED PAIR

VOLTAGE TRANSFORMER

UNINTERRUPTIBLE POWER SOURCE

TMCB

TO

TYP

UC

UG

UL

UPS

UTP

WH

WP

XFMR

ΧP

GFCI

GFPE

GRSC

ΗZ

IDC

IDS

IMC

kcmil

K/O kV

GALVANIZED RIGID STEEL CONDUIT

INITIATING DEVICE CIRCUIT

ISOLATED GROUND

INTRUSION DETECTION SYSTEM

INTERMEDIATE METAL CONDUIT

THOUSAND CIRCULAR MILS

HORSEPOWER HIGH VOLTAGE

HERTZ

INFRARED

JUNCTION BOX

KNOCK-OUT

KILOVOLTS

GROUND-FAULT PROTECTION FOR EQUIPMENT

ELECTRICAL GENERAL NOTES

- 1. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FACILITY TO MAINTAIN ACCESS AT ALL TIMES.
- 2. ALL WORK BEING PERFORMED SHALL NOT IN ANY WAY INTERFERE WITH THE REGULAR OPERATION OF THE FACILITY. SECURITY SHALL BE MAINTAINED AT ALL TIMES.
- 3. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FACILITY FOR ACCESS TO AND FROM THE FACILITY.
- 4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE BEGINNING ANY WORK OR PURCHASING ANY MATERIAL OR EQUIPMENT.
- 5. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS BEFORE SUBMITTING THEIR OFFER. NO EXTRA WILL BE ALLOWED FOR FAILURE TO COMPLY WITH THE ABOVE.
- 6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT / ENGINEER OF ANY EXISTING CONDITION DISCOVERED DURING DEMOLITION THAT WILL INTERFERE WITH THE NEW WORK.

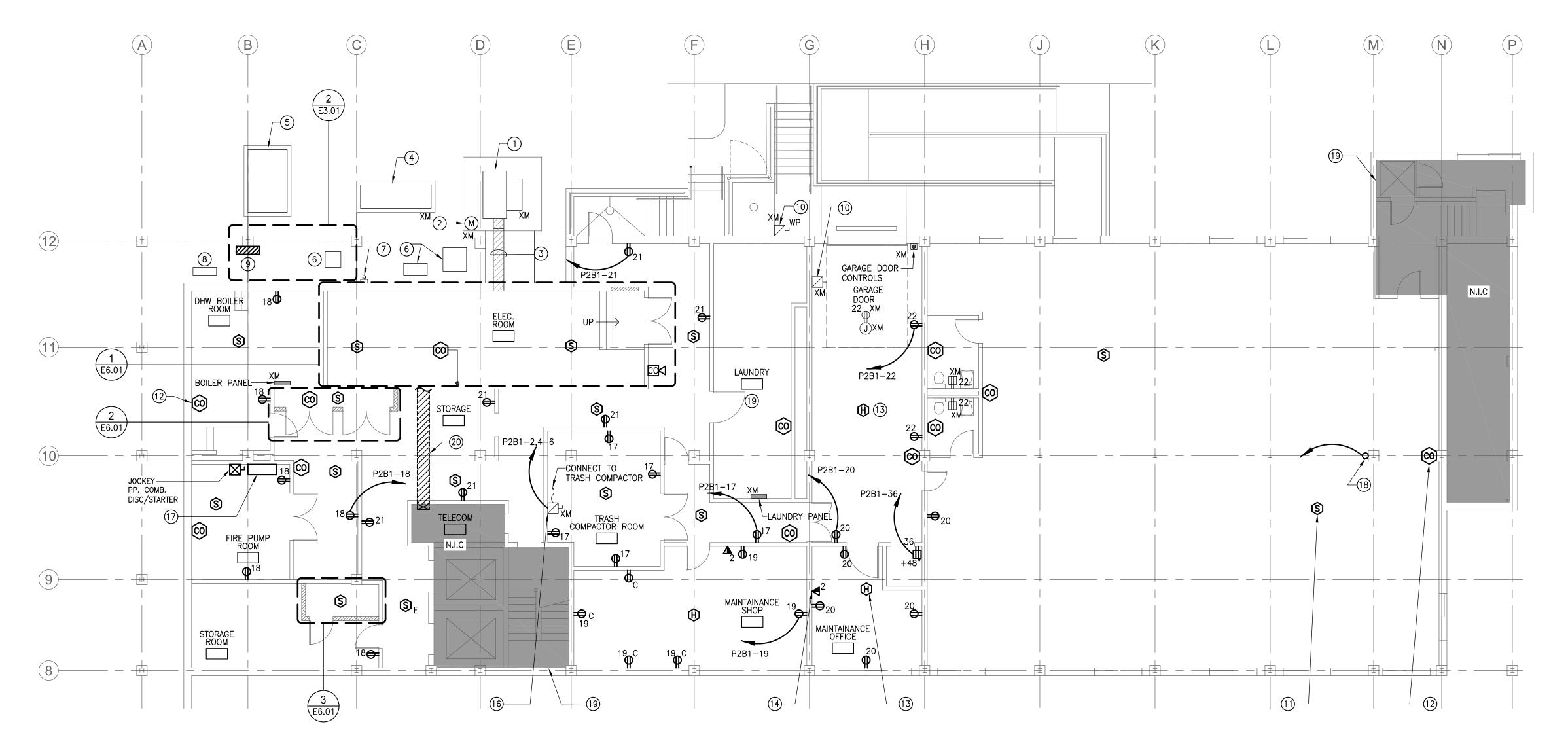
PHASING NOTE

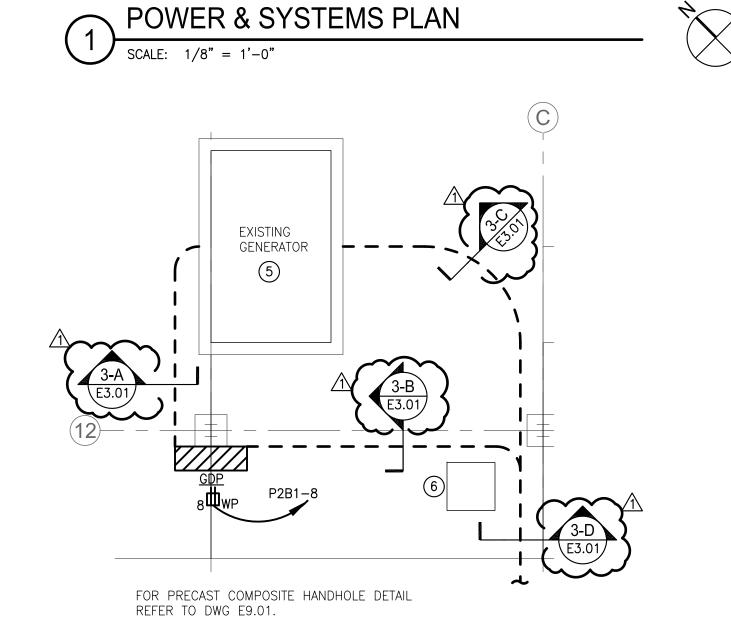
ALL TEMPORARY POWER RENTAL EQUIPMENT AND ASSOCIATED CABLES SHALL BE DISCONNECTED AND REMOVED BY THE RENTAL COMPANY: INFRA-RED BUILDING & POWER SERVICE OF HOLBROOK MA (781)767-0888. UNDER A SEPARATE CONTRACT. PROVIDE COORDIANTION OF ALL REQUIRED SHUTDOWNS BETWEEN THE OWNER AND INFRA-RED BPS.

CITY

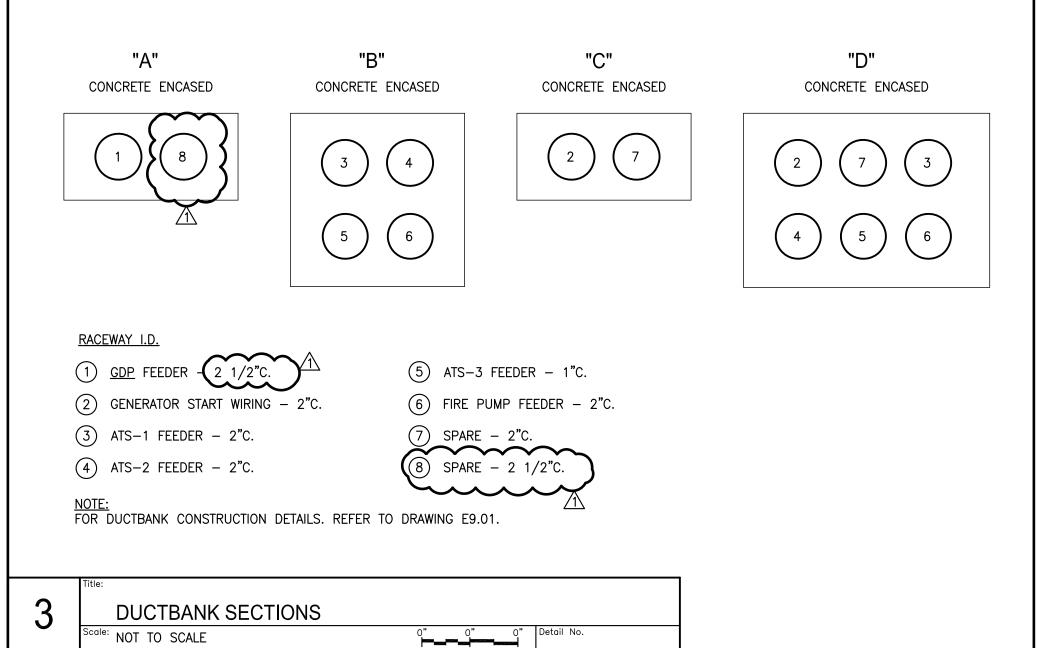
VIEW

CITY





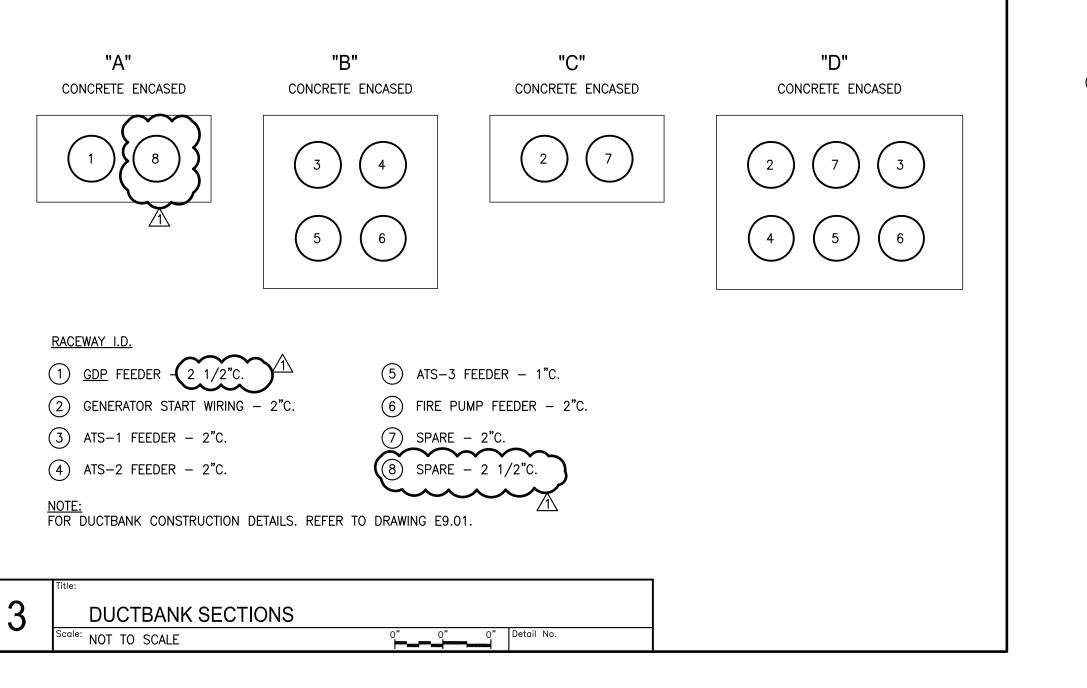
POWER & SYSTEMS PLAN

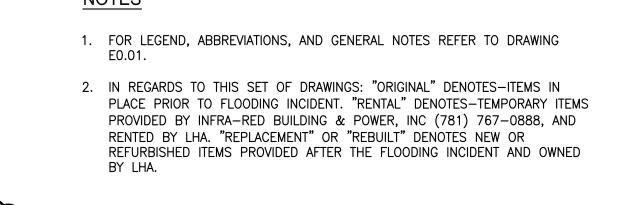


- 1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES REFER TO DRAWING
- 2. MAINTAIN ALL EXISTING FIRE ALARM DEVICES NOT INCLUDED IN DEMOLITION. INTERCEPT AND CONNECT NEW DEVICES TO EXISTING LOOP SERVING AREA. REFER TO PARTIAL FIRE ALARM RISER DIAGRAM ON DRAWING E7.03 FOR ADDITIONAL INFORMATION.
- 3. RECIRCUIT ALL 480V TEMP. HEATING UNITS TO PANELBOARD P4B1 AND ALL 208V TO PANELBOARD M2B1.

KEY NOTES

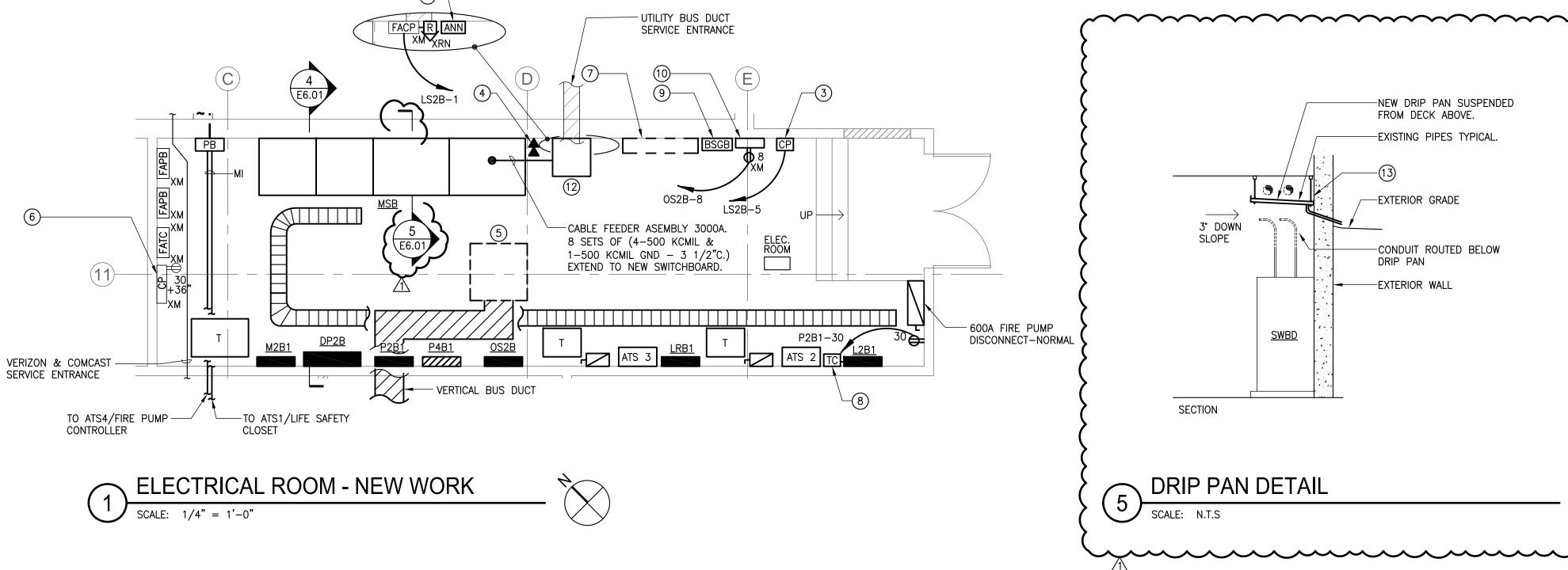
- (1) EXISTING UTILITY CO. PAD MOUNTED TRANSFORMER TO REMAIN.
- 2 EXISTING UTILITY CO. METER TO REMAIN.
- (3) EXISTING SECONDARY SERVICE BUSDUCT TO REMAIN.
- (4) EXISTING UTILITY CO. PRIMARY SWITCHGEAR TO REMAIN.
- 5 EXISTING DIESEL FIRED GENERATOR TO REMAIN.
- (6) EXISTING MECHANICAL EQUIPMENT TO REMAIN.
- 7 EXISTING PORTABLE GENERATOR INLET TO REMAIN. SERVES CELL PHONE TOWER EQUIPMENT.
- 8 EXISTING GAS METER TO REMAIN.
- 9) NEW PANELBOARD <u>GDP</u> WITH NEMA 4 WEATHERPROOF ENCLOSURE MOUNTED AT EXTERIOR COLUMN B/12. PROVIDE DEDICATED WATERPROOF GFCI RECEPTACLE MOUNTED ADJACENT TO PANELBOARD.
- 10 EXISTING DISCONNECT SAFETY SWITCH FOR MATERIAL LIFT TO REMAIN. MAINTAIN EXISTING CIRCUITING.
- 11) PROVIDE NEW CONVENTIONAL SMOKE DETECTORS COMPATIBLE WITH MIRCOM FACP. INTERCEPT EXISTING LOOP SERVING AREA. (TYPICAL)
- 12) PROVIDE NEW CARBON MONOXIDE DETECTOR. MACURCO #CM-6 TYPE OR APPROVED EQUAL. (TYPICAL) REFER TO CO ALARM DETAIL 3 ON DRAWING E9.01 FOR ADDITIONAL INFORMATION.
- 13) PROVIDE NEW CONVENTIONAL HEAT DETECTORS COMPATIBLE WITH MIRCOM FACP. INTERCEPT EXISTING LOOP SERVING AREA. (TYPICAL)
- (14) PROVIDE NEW TELECOMMUNICATIONS OUTLETS WIRED BACK TO TEL/COM CLOSET AND TERMINATED IN NEW RACK FOR A COMPLETE WORKING SYSTEM. (TYPICAL)
- PROVIDE NEW CARBON MONOXIDE HORN/STROBE AND PLAQUE. MACURCO HS-A OR APPROVED EQUAL. REFER TO CO ALARM DETAIL ON DRAWING E9.01 FOR ADDITIONAL INFORMATION.
- (16) EXISTING DISCONNECT SAFETY SWITCH FOR TRASH COMPACTOR TO REMAIN.
- 17) RENTAL FIRE PUMP CONTROLLER TO BE REMOVED AND REPLACED WITH NEW. SCHEDULE REMOVAL WITH RENTAL COMPANY AS NOTED. ROSEMONT ENGINEERING INCORPORATED, LOWELL, MA 01851 (978)
- (18) TWO (2) 2 1/2" C. UP TO EXISTING LHA OFFICE TEL/DATA CLOSET AT 1ST FLOOR. COORDINATE EXACT LOCATION IN FIELD. HOMERUN TO NEW TEL/DATA CLOSET. REFER TO TEL/DATA RISER ON DWG. E7.03.
- 19 INTERCEPT EXISTING BRANCH RECEPTACLE CIRCUITS IN SHADED AREA N.I.C. AND RE-FEED WITH NEW BRANCH CIRCUIT FROM PANELBOARD <u>P2B1</u>. REFER TO DRAWING E8.01 FOR ADDITIONAL INFORMATION. RECIRCUIT HANDICAP CHAIR LIFT TO PANELBOARD <u>P2B1</u>.
- 20 APPROXIMATE ROUTING OF EXISTING 1200A BUS DUCT RISER SERVING APARTMENTS.

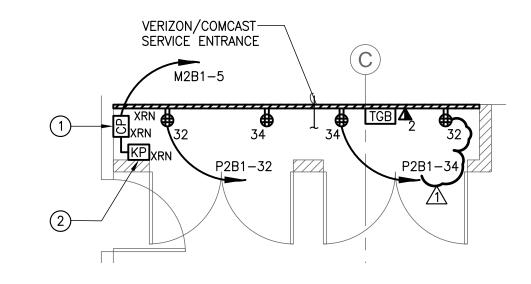




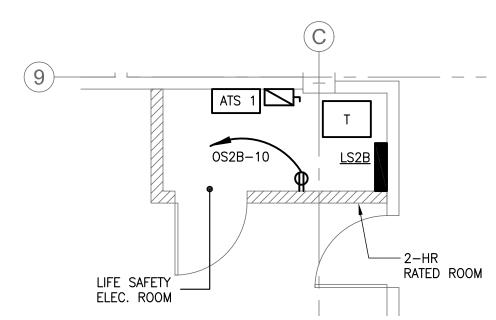
KEY NOTES

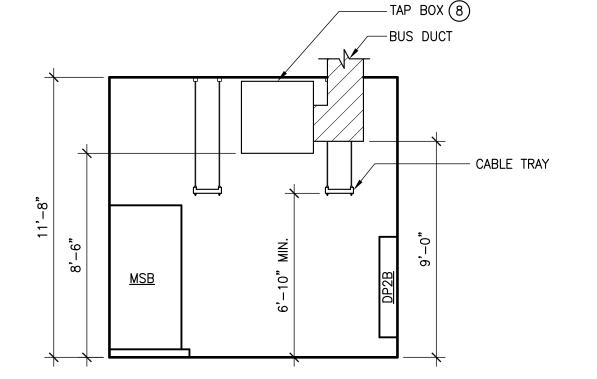
- 1) ORIGINAL SECURITY PANEL RELOCATED FROM STORAGE ROOM. REFER TO DRAWING ED.01 FOR ADDITIONAL INFORMATION.
- 2) ORIGINAL SECURITY KEYPAD RELOCATED FROM STORAGE ROOM. REFER TO DRAWING ED.01 FOR ADDITIONAL INFORMATION.
- 3 PROVIDE NEW CARBON MONOXIDE CONTROL PANEL FOR MANAGEMENT OF MULTIPLE CO DETECTORS. REFER TO CO ALARM DETAIL ON DRAWING E9.01 FOR ADDITIONAL INFORMATION.
- 4 PROVIDE TWO (2) POTS TELEPHONE OUTLETS FOR CONNECTION TO
- 5) NEW CUSTOM BUS DUCT TAP BOX MOUNTED FROM STRUCTURE ABOVE. BUS DUCT TAP BOX IS APPROX. 36"H x 36"W x 36"D. TOP OF BOX TO BE MOUNTED TIGHT TO DECK TO ENSURE BOTTOM OF TAP BOX IS ABOVE 104" AFF. CONTACT AND COORDINATE WITH SCOTT LOGAN OF A&M ASSOCIATES, SLOGAN@AMASSOC.NET FOR ADDITIONAL INFORMATION.
- 6 SEWAGE PUMP CONTROLLER TO REMAIN. RECONNECT TO NEW PANELBOARD <u>LRB1</u>.
- (7) AREA RESERVED FOR FUTURE FIRE ALARM PANEL EXPANSION.
- (8) PROVIDE DIGITAL TIME CLOCK FOR REAR PARKING LOT LIGHTING. INTERMATIC MODEL #ET8215C OR APPROVED EQUAL.
- 9 PROVIDE BUILDING SERVICE GROUND BAR AND BOND ELECTRICAL EQUIPMENT PER NEC. REFER TO DETAIL ON DWG E9.01 FOR ADDITIONAL INFORMATION.
- 10) PROVIDE 18"H x 12"W x 6"D SPARE FUSE CABINET. MOUNTED OC
- 11) NEW ATS #1 (LIFE SAFETY) REMOTE ANNUNCIATOR WIRED TO FACP.
- (12) CABLE TAP BOX AT EXISTING SECONDARY SERVICE BUS DUCT. COORDINATE IN FIELD PRIOR TO ROUGHING.
- NEW DRIP PAN SIZED TO COVER THE ENTIRE SWITCHBOARD WITH 6" ON FRONT AND SIDES. DRIP PAN SIZE TO CONTAIN MINIMUM OF THREE (3) GALLONS OF LIQUID. DRIP PAN SHALL HAVE DRAIN LOCATED ON LOWEST MOUNTED OVERHANG AND PIPED TO OUTSIDE OF EXTERIOR WALL. CORING WILL BE NECESSARY.











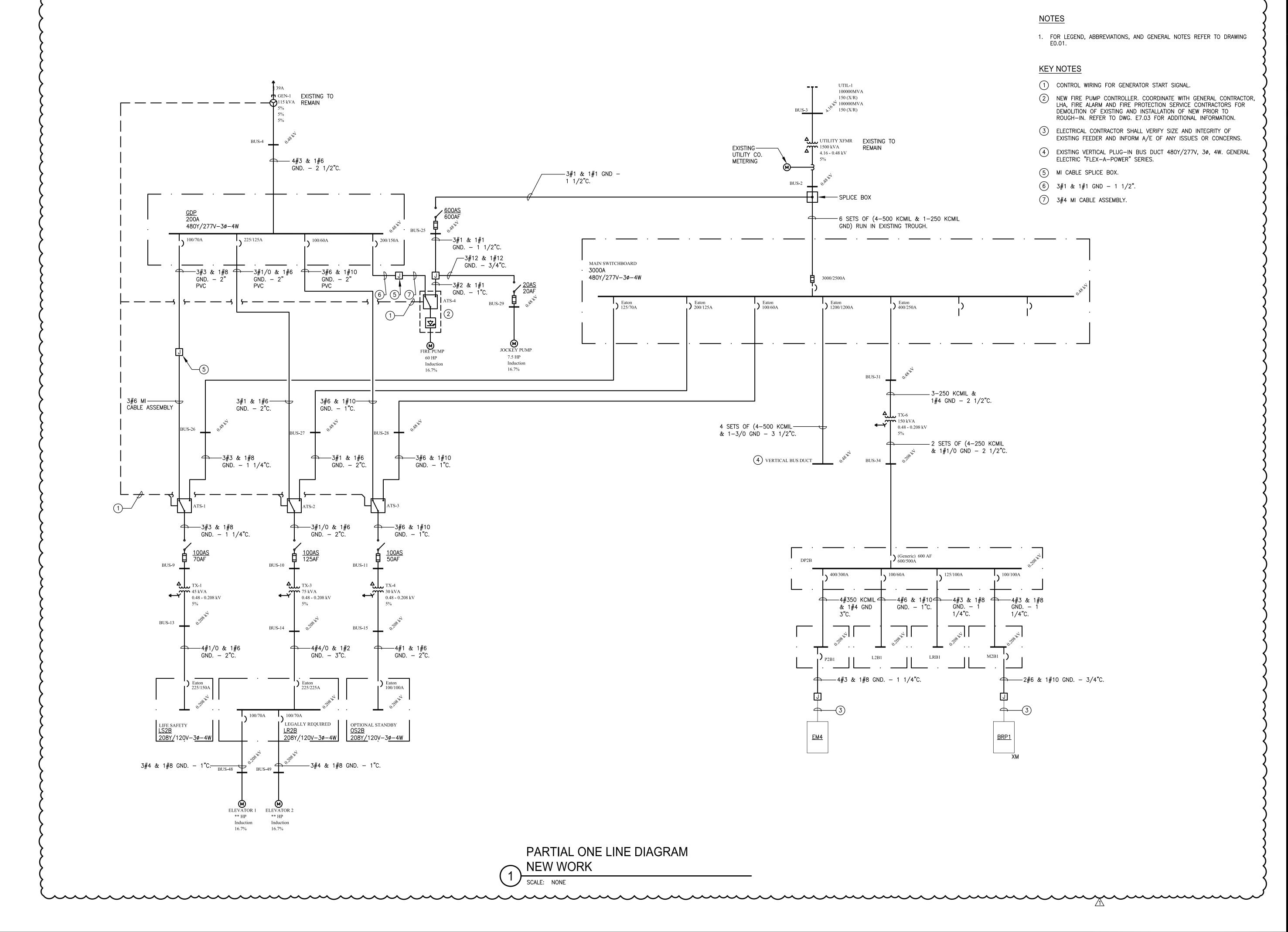
TEL/DATA ROOM - NEW WORK

LIFE SAFETY ELEC. ROOM - NEW WORK

SECTION THRU ELECTRIC ROOM

T NO: ———— DRAWN

R. AS SHOWN CHECKE



1 PROVIDE RED CIRCUIT BREAKER FOR FIRE ALARM BRANCH CIRCUITS INCLUDING RED UNIVERSAL BREAKER LOCK WITH PADLOCK & KEY. GARVIN INDUSTRIES #UBL-3 OR APPROVED EQUAL.

		PANEL	30A	RD	SCH	HEDULE		
PANEL: LS2B	VOLTA	GE: 208/120V		PHAS	E: 3	WIRES: 4		MAINS: 150 MCB
MOUNTING: SURFACE	LOCA	FED FROM:				A.I.C.: 10K		
LOAD	CKT BK		СКТ	Ø	CKT	CKT BKR		LOAD
DESCRIPTION	kVA	AMP/POLE	NO.	l Ø	NO.	AMP/POLE	kVA	DESCRIPTION
FIRE ALARM CONTROL PANEL	.6	20/1P	1	Α	2	20/1P	1.0	EXIT SIGNS BASEMENT
FIRE ALARM POWER BOOSTER PANEL	.6	20/1P	3	В	4	20/1P	1.0	EMERGENCY LIGHTING BASEMENT
CARBON MONOXIDE CONTROL PANEL	1.2	20/1P	5	С	6		9.6	
SPARE		20/1	7	Α	8	30 3P	9.6	PANEL LM-4 FOURTH FLOOR
SPARE		20/1	9	В	10	, , ,	9.6	
SPARE		20/1	11	С	12	20/1		SPARE
SPARE		20/1	13	Α	14	20/1		SPARE
SPACE			15	В	16	20/1		SPARE
SPACE			17	С	18			SPACE
SPACE			19	Α	20			SPACE
SPACE			21	В	22			SPACE
SPACE			23	С	24			SPACE
SPACE			25	Α	26			SPACE
SPACE			27	В	28			SPACE
SPACE			29	С	30			SPACE
SPACE			31	Α	32			SPACE
SPACE			33	В	34			SPACE
SPACE			35	С	36			SPACE
SPACE			37	A	38			SPACE
SPACE			39	В	40			SPACE
SPACE			41	С	42			SPACE
PHASE A: 11.4	PHAS	E B: 11.4			PHAS	E C: 10.8		TOTAL kVA: 33.6

kVA 2.5 2.5 1.2 1.2		CKT NO. 1 3 5	PHAS FED Ø A B	FROM: CKT NO.	WIRES: CKT BKR AMP/POLE	kVA	MAINS: 100A MCB A.I.C.: 10K LOAD DESCRIPTION
kVA 2.5 2.5 1.2	CKT BKR AMP/POLE 30 2 20/1	NO. 1 3	Ø	CKT NO.		kVA	LOAD
2.5 2.5 1.2 1.2	30 2 20/1	NO. 1 3	A	NO.		kVA	
2.5 2.5 1.2 1.2	30 2 20/1	1 3	A		AMP/POLE	kVA	DESCRIPTION
2.51.21.2	20/1	3		2			DESCRIPTION
1.2	20/1	_	В	l	20	1.6	UNKNOWN LOAD FROM ER-1
1.2	•	5		4	2	1.6	ONKNOWN LOAD FROM ER-1
	20/1		С	6	20/1	1.2	SPEAKER SYSTEM
1.2		7	Α	8	20/1	1.3	RECEPTACLE IN MER @COLUMN "E"
	20/1	9	В	10	20/1	1.3	RECEPTACLE IN LIFE SAFETY ROOM
	20/1	11	С	12	20/1		SPARE
	20/1	13	Α	14	20/1		SPARE
	20/1	15	В	16	20/1		SPARE
		17	С	18			SPACE
		19	Α	20			SPACE
		21	В	22			SPACE
		23	С	24			SPACE
		25	Α	26			SPACE
		27	В	28			SPACE
		29	С	30			SPACE
		31	Α	32			SPACE
		33	В	34			SPACE
		35	С	36			SPACE
		37	Α	38			SPACE
		39	В	40			SPACE
		41	С	42			SPACE
	PHAS	PHASE B: 5.1	23 25 27 29 31 33 35 37 39	23 C 25 A 27 B 29 C 31 A 33 B 35 C 37 A 39 B 41 C	23 C 24 25 A 26 27 B 28 29 C 30 31 A 32 33 B 34 35 C 36 37 A 38 39 B 40 41 C 42	23 C 24 25 A 26 27 B 28 29 C 30 31 A 32 33 B 34 35 C 36 37 A 38 39 B 40 41 C 42	23 C 24 25 A 26 27 B 28 29 C 30 31 A 32 33 B 34 35 C 36 37 A 38 39 B 40 41 C 42

PANEL: LR2B	GE: 208Y/120V	'	PHAS	E: 3 WIRES: 4		MAINS: 225A MCB			
MOUNTING: SURFACE	LOCATION: MAIN ELEC. RM			FED FROM: GDP VIA XFMR			A.I.C.: 10K		
LOAD		CKT BKR	СКТ	Ø	CKT	CKT BKR		LOAD	
DESCRIPTION	kVA	AMP/POLE	NO.	Ψ	NO.	AMP/POLE	kVA	DESCRIPTION	
	6.7		1	Α	2	70 3	6.7		
ELEVATOR #1	6.7	70 3	3	В	4		6.7	ELEVATOR #2	
	6.7		5	С	6		6.7		
	5.8	60 3	7	Α	8	20/1P	.6	RECEPTACLE FOR SEWAGE CONTROL PANEL	
SEWAGE EJECTOR PUMP	5.8		9	В	10	20/1	.3	ELEVATOR PIT	
	5.8		11	С	12	20/1	.3	ELEVATOR PIT	
SPARE		20/1	13	Α	14	20/1	.3	ELEVATOR PIT	
SPARE		20/1	15	В	16	20/1	.3	ELEVATOR PIT	
SPARE		20/1	17	С	18	20/1		SPARE	
SPARE		20/1	19	Α	20	20/1		SPARE	
SPARE		20/1	21	В	22	20/1		SPARE	
SPARE		20/1	23	С	24	20/1		SPARE	
SPACE			25	Α	26			SPACE	
SPACE			27	В	28			SPACE	
SPACE			29	С	30			SPACE	
SPACE			31	Α	32			SPACE	
SPACE			33	В	34			SPACE	
SPACE			35	С	36			SPACE	
SPACE			37	Α	38			SPACE	
SPACE			39	В	40			SPACE	
SPACE			41	С	42			SPACE	

PANELBOARD SCHEDULE									
PANEL: L2B1 VOLTA		GE: 208Y/120\	PHASE: 3		WIRES: 4	MAINS: 100A			
MOUNTING: SURFACE	TON: MER	ION: MER FED			P2B		A.I.C.: 10K		
LOAD		CKT BKR	СКТ	ΓØ	СКТ	CKT BKR	LOAD		
DESCRIPTION	kVA	AMP/POLE	NO.	Ψ	NO.	AMP/POLE	kVA	DESCRIPTION	
BASEMENT LIGHTING NORTH EAST	1.2	20/1P	1	Α	2	20/1P	1.0	BASEMENT LIGHTING NORTH WEST	
BASEMENT LIGHTING NORTH	0.8	20/1P	3	В	4	20/1P	1.2	PARKING LIGHTING VIA TIME CLOCK	
SPARE		20/1	5	С	6	20/1		SPARE	
SPARE		20/1	7	Α	8	20/1		SPARE	
SPARE		20/1	9	В	10	20/1		SPARE	
SPARE		20/1	11	С	12	20/1		SPARE	
SPACE			13	Α	14			SPACE	
SPACE			15	В	16			SPACE	
SPACE			17	С	18			SPACE	
SPACE			19	Α	20			SPACE	
SPACE			21	В	22			SPACE	
SPACE			23	С	24			SPACE	
SPACE			25	Α	26			SPACE	
SPACE			27	В	28			SPACE	
SPACE			29	С	30			SPACE	
SPACE			31	Α	32			SPACE	
SPACE			33	В	34			SPACE	
SPACE			35	С	36			SPACE	
SPACE			37	Α	38			SPACE	
SPACE			39	В	40			SPACE	
SPACE			41	С	42			SPACE	
PHASE A: 2.2	PHASI	E B: 2.0			PHASI	E C:		TOTAL kVA: 4.2	

		PANEL	30A	RD	SCH	HEDULE				
PANEL: P2B1	VOLTA	VOLTAGE: 208Y/120V			PHASE: 3 WIRES: 4			MAINS: 400 MLO		
MOUNTING: SURFACE	LOCAT	LOCATION: MER			FROM: N	MSB	A.I.C.: 10K			
LOAD		CKT BKR	СКТ	ø	СКТ	CKT BKR		LOAD		
DESCRIPTION	kVA	AMP/POLE	NO.	V	NO.	AMP/POLE	kVA	DESCRIPTION		
DRYER	3.3	40	1	Α	2	70	2.9			
DIVIER	3.3	2	3	В	4	30 3	2.9	TRASH COMPACTOR		
DRYER	3.3	40	5	С	6		2.9			
DIVIER	3.3	2	7	Α	8	20/1	0.3	GFCI RECEPTACLE @ GENERATOR		
FAN	2.5	40	9	В	10	40	3.3	DRYER		
1711	2.5	2	11	С	12	2	3.3	DIVIER		
FAN-ELECTRIC ROOM	1.2	20/1	13	Α	14	20/1	1.5	WASHERS		
WASHERS	1.2	20/1	15	В	16	20/1	1.2	RECEPTACLES IN LAUNDROMAT		
RECEPTACLES-HALLWAY & COMPACTOR	1.0	20/1	17	С	18	20/1	1.2	RECEPTACLE IN BOILER/FIRE EMERGENCY STORAGE ROOMS		
WASHER	1.2	20/1	19	Α	20	20/1	1.2	RECEPTACLES MAINT. OFFICE & HALLWAY		
RECEPTACLES-HALLWAY OUTSIDE MER	1.0	20/1	21	В	22	20/1	1.2	RECEPTACLES IN GARAGE & ROLL UP DO		
RECEPTACLES-MAINTENANCE SHOP	1.2	20/1	23	С	24	20/1	1.0	GATE		
WASHERS	1.2	20/1	25	Α	26	20/1	.6	RECEPTACLES IN TEL/COM ROOM		
	9.6		27	В	28	20/1	1.0	RECEPTACLES IN CHAIRLIFT VESTIBULE		
DRYERS	9.6	100 3	29	С	30	20/1	.5	RECEPTACLES IN MAIN ELECTRIC ROOM		
	9.6		31	Α	32	20/1	.5	QUAD RECEPTACLE IN TEL/DATA ROOM		
HANDICAP CHAIRLIFT	1.2	20/1	33	В	34	20/1	.5	QUAD RECEPTACLE IN TEL/DATA ROOM		
SPARE			35	С	36	20/1	.3	GFCI RECEPTACLE IN JANITORS CLOSET		
SPARE			37	Α	38			SPARE		
SPARE			39	В	40			SPARE		
SPARE			41	С	42			SPARE		
PHASE A: 26.8	PHASI	E B: 28.9	•		PHAS	E C: 26.8		TOTAL kVA: 82.5		

PANEL: M2B1	VOI TA	VOLTAGE: 208Y/120V			E: 3	WIRES: 4		MAINS: 100	
MOUNTING: SURFACE		LOCATION: MAIN ELECT. RM			FROM:	WIINES. T	A.I.C.: 10K		
LOAD	CKT BKR			ILU		CKT BKR	1	LOAD	
DESCRIPTION	kVA	AMP/POLE	CKT NO.	Ø	CKT NO.	AMP/POLE	kVA	DESCRIPTION	
BOILER ROOM	4.8	60	1	Α	2	20/1	1.2	CIRCULATION PUMP	
PANEL "BPR1"	4.8	00/2	3	В	4	20/1	1.2	CIRCULATION PUMP	
SECURITY PANEL IN TEL/DATA ROOM	1.2	20/1P	5	С	6	20/1		SPARE	
, SPARE		20/1	7	Α	8	20/1		SPARE	
SPARE		20/1	9	В	10	20/1		SPARE	
SPARE		20/1	11	С	12	20/1		SPARE	
SPARE		20/1	13	Α	14	,		SPACE	
SPACE			15	В	16			SPACE	
SPACE			17	С	18			SPACE	
SPACE			19	Α	20			SPACE	
SPACE			21	В	22			SPACE	
SPACE			23	С	24			SPACE	
SPACE			25	Α	26			SPACE	
SPACE			27	В	28			SPACE	
SPACE			29	C	30			SPACE	
SPACE			31	Α	32			SPACE	
SPACE			33	В	34			SPACE	
SPACE			35	С	36			SPACE	
SPACE			37	Α	38			SPACE	
SPACE			39	В	40			SPACE	
SPACE			41	С	42			SPACE	

RS, 350 MOODY STREET HUSETTS 01854

DATE:
JM No.1 01-09-24

PLF ADDENDUM No.1

23014.00 DATE: 11-17-23 REVI

---- DRAWN BY: PLF A

AS SHOWN CHECKED BY: CM