

Electrical Enclosure and Panel Upgrade Caroline Street Development New Bedford, MA NBHA Project # 016-2022 A/E Project No. 22008.00

ADDENDUM NO. 1

August 23, 2022

GENERAL

- 1. The General Conditions of the Contract and Division 1, General Requirements, apply to work specified in this Addendum.
- 2. Bids must acknowledge, in the space provided on the form for General Bid that Addendum No. 1 has been received and that the bid price reflects the inclusion of these Addenda in their entirety.
- 3. It is the responsibility of each General Bidder to notify all Suppliers that they propose to use for the various parts of the work, of any modifications, additions, deletions, insertions, or revisions contained in this Addendum.
- 4. The General bid date remains unchanged.

SPECIFICATIONS

Section 262416 Panelboards

1. Paragraph 2.2 Power Panelboards

Delete paragraph 2.2, A.1 in its entirety.

DRAWINGS

Drawing AE0.01

- 1. Delete drawing AE0.01 in its entirety.
- 2. Substitute with the revised drawing AE0.01, dated 8/23/22. See attached.

Drawing AE1.01

- 1. Delete drawing AE1.01 in its entirety.
- 2. Substitute with the revised drawing AE1.01, dated 8/23/22. See attached.

Drawing AE6.01

- 1. Delete drawing AE6.01 in its entirety.
- 2. Substitute with the revised drawing AE6.01, dated 8/23/22. See attached.

Drawing AE7.01

- 1. Delete drawing AE7.01 in its entirety.
- 2. Substitute with the revised drawing AE7.01, dated 8/23/22. See attached.

Drawing AE9.02

- 1. Delete drawing AE9.02 in its entirety.
- 2. Substitute with the revised drawing AE9.02, dated 8/23/22. See attached.

ELECTRICAL ABBREVIATIONS

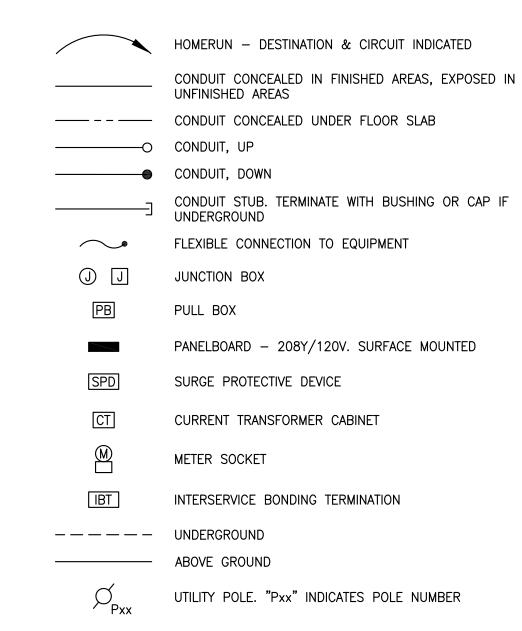
	TIONE / IBBITE VIII TITOTTO		
∮P ∮P#W	NUMBER OF POLES NUMBER OF POLES, NUMBER OF WIRES	kVA kVAR kW	KILOVOLT-AMPERE KILOVOLT-AMPERE REACTIVE KILOWATTS
-#	NUMERAL INDICATES MOUNTING HEIGHT TO CENTERLINE ABOVE FINISHED FLOOR OR GRADE, IN INCHES.	LTG LFMC LSIG	LIGHTING LIQUIDTIGHT FLEXIBLE METAL CONDUIT LONG TIME, SHORT TIME,
A AC	AMPERES ALTERNATING CURRENT	LV	INSTANTANEOUS, GROUND FAULT LOW VOLTAGE
VE AF	ARCHITECT/ENGINEER AMP FRAME / AMP FUSE	MAX	MAXIMUM
 AFCI AFF	ARC—FAULT CIRCUIT INTERRUPTER ABOVE FINISHED FLOOR	MC MCB	METAL CLAD CABLE MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC MCP	MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTOR
AHJ AIC	AUTHORITY HAVING JURISDICTION AMPERE INTERRUPTING CAPACITY	MFR	MANUFACTURER
AL ANSI	ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE	MIN MLO	MINIMUM MAIN LUG ONLY
N S	AMP SWITCH	MTD MTG	MOUNTED MOUNTING
AT ATS	AMP TRIP AUTOMATIC TRANSFER SWITCH	MTS	MANUAL TRANSFER SWITCH
AUX A/V	AUXILIARY AUDIO / VISUAL	MV	MEDIUM VOLTAGE
AWG	AMERICAN WIRE GAGE	NAC NC	NOTIFICATION APPLIANCE CIRCUIT NORMALLY CLOSED
BIL	BASIC IMPULSE LEVEL	NEC NEMA	NATIONAL ELECTRIC CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOC
BLDG BPS	BUILDING BOLTED PRESSURE SWITCH	NFPA NIC	NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT
<u> </u>	CONDUIT	NM	NON-METALLIC SHEATHED CABLE
CAT	CATALOG	NMC NO	NON-METALLIC CONDUIT NORMALLY OPEN
CATV CCTV	CABLE TELEVISION CLOSED CIRCUIT TELEVISION	NTS #	NOT TO SCALE NUMBER
CKT CB/CKT BKR	CIRCUIT CIRCUIT BREAKER	" O.C.	ON CENTER
<u>)</u> 00	CENTERLINE CARBON MONOXIDE	0.C. 0/H	OVERHEAD
P	CONTROL PANEL	PC	PLUMBING CONTRACTOR/
CT CU	CURRENT TRANSFORMER COPPER	PH / ø	PERSONAL COMPUTER PHASE
7	DELTA	PIR	PASSIVE INFRARED
OC OISC	DIRECT CURRENT DISCONNECT	PIV PNL/PNLBD	POST INDICATING VALVE PANEL/PANELBOARD
N	DOWN	POS PRI	POINT OF SALE PRIMARY
)WG	DRAWING(S)	PT PV	POTENTIAL TRANSFORMER PHOTOVOLTAIC
.C	WIRED ON EMERGENCY CIRCUIT ELECTRICAL CONTRACTOR	PVC PWR	POLYVINYL CHLORIDE CONDUIT POWER
LEC M/EMER	ELECTRIC(AL) EMERGENCY		
MT	ELECTRICAL METAL TUBING	RCP RMC	REFLECTED CEILING PLAN RIGID METAL CONDUIT
INT IOL	ELECTRICAL NON—METALLIC TUBING END OF LINE	RSC	RIGID STEEL CONDUIT
IPO	EMERGENCY POWER OFF	SEC SN	SECONDARY SOLID NEUTRAL
- DR	FUSE FEEDER(S)	SS	STAINLESS STEEL
⁻ LA	FULL LOAD AMPERES	ST STP	SHUNT TRIP SHIELDED TWISTED PAIR
TLR TMC	FLOOR FLEXIBLE METAL CONDUIT	STL SW	STEEL SWITCH
G/GND	GROUND	SWBD SWGR	SWITCHBOARD SWITCHGEAR
GC GEN	GENERAL CONTRACTOR GENERATOR		
FCI	GROUND-FAULT CIRCUIT INTERRUPTER	T/D TEL	TELEPHONE/DATA TELEPHONE
SFPE SRSC	GROUND-FAULT PROTECTION FOR EQUIPMENT GALVANIZED RIGID STEEL CONDUIT	TMCB TO	THERMAL MAGNETIC CIRCUIT BREAKER TELECOMMUNICATION OUTLET
IP	HORSEPOWER	TYP	TYPICAL
I V IZ	HIGH VOLTAGE HERTZ	UC UG	UNDER-COUNTER OR UNDER-CABINET
DC	INITIATING DEVICE CIRCUIT	UL	UNDERGROUND UNDERWRITERS LABORATORIES
DS	INTRUSION DETECTION SYSTEM	UPS UTP	UNINTERRUPTIBLE POWER SOURCE UNSHIELDED TWISTED PAIR
G MC	ISOLATED GROUND INTERMEDIATE METAL CONDUIT	٧	VOLT/VOLTAGE
₹	INFRARED	VT	VOLTAGE TRANSFORMER
IB	JUNCTION BOX	W	WATT HOUR
cmil	THOUSAND CIRCULAR MILS	WH WP	WATT HOUR WEATHERPROOF
0<br ∶V	KNOCK-OUT KILOVOLTS	XFMR XP	TRANSFORMER EXPLOSION PROOF
		Y	W/F

WYE

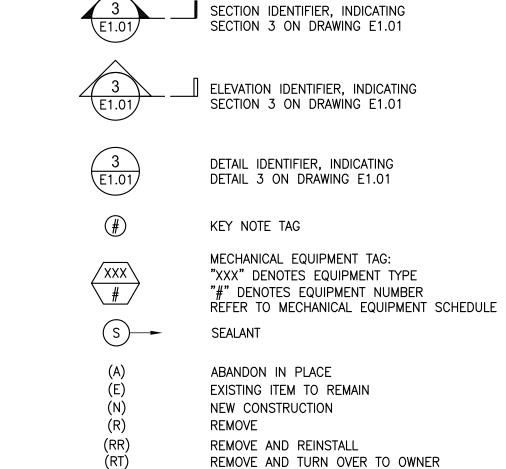
ELECTRICAL GENERAL NOTES

- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FACILITY TO MAINTAIN ACCESS AT ALL TIMES.
- 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.
- 7. UTILITY CO. BACKCHARGES SHALL BE FORWARDED TO THE NBHA WITHOUT ANY MARKUP. NBHA SHALL PAY ANY BACKCHARGES DIRECTLY.

ELECTRICAL LEGEND



<u>MISCELLANEOUS</u>



EXISTING EQUIPMENT NOTATION LEGEND

EXISTING EQUIPMENT TO REMAIN.

EXISTING EQUIPMENT TO BE REMOVED.

NOT IN CONTRACT

XRL	EXISTING EQUIPMENT TO BE RELOCATED.
XRN	NEW LOCATION OF RELOCATED EXISTING EQUIPMENT.
XRR	EXISTING EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW DEVICE. EXISTING BACKBOX AND ASSOCIATED WIRING TO BE REUSED.
XB	EXISTING EQUIPMENT AND ASSOCIATED WIRING TO BE REMOVED. PROVIDE NEW BLANK PLATE ON EXISTING BOX.
XS	EXISTING EQUIPMENT TO BE REMOVED, STORED, CLEANED, AND REINSTALLED IN EXISTING LOCATION.

EXISTING EQUIPMENT TO BE DISCONNECTED AND ABANDONED IN

McKINNELL TAYLOR Inc. ARCHITECTS ENGINEERS PLANNERS 1001 HINGHAM STREET ROCKLAND, MA 02370 PHONE: (781) 878-6223 FAX: (781) 878-8920 DATE: BY: ACTION: 8-23-22 COL /1 ADD. #1 NOT

A/E PROJECT NUMBER:

22008.00

NBHA PROJECT NUMBER:

016-2022

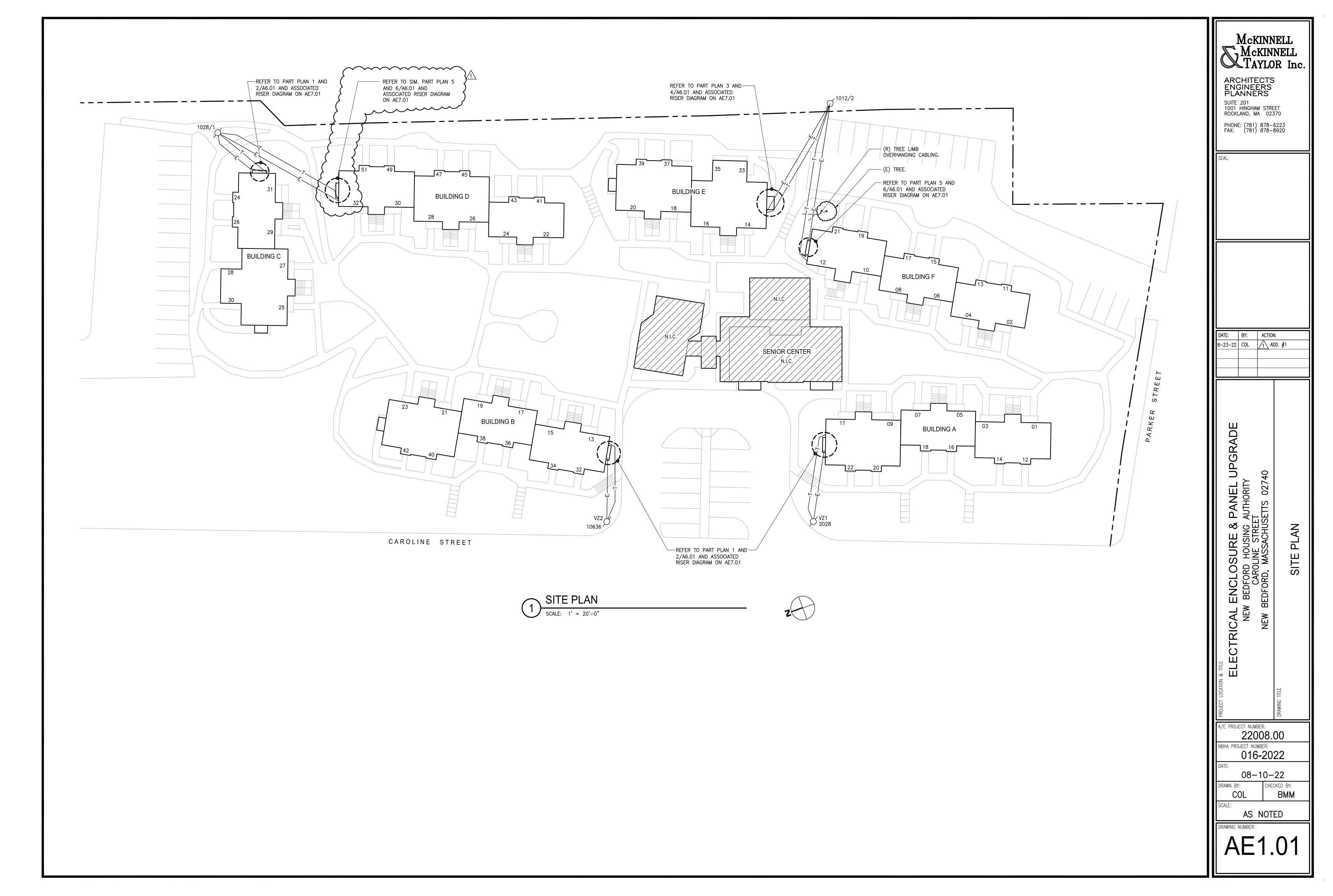
DATE:

08-10-22

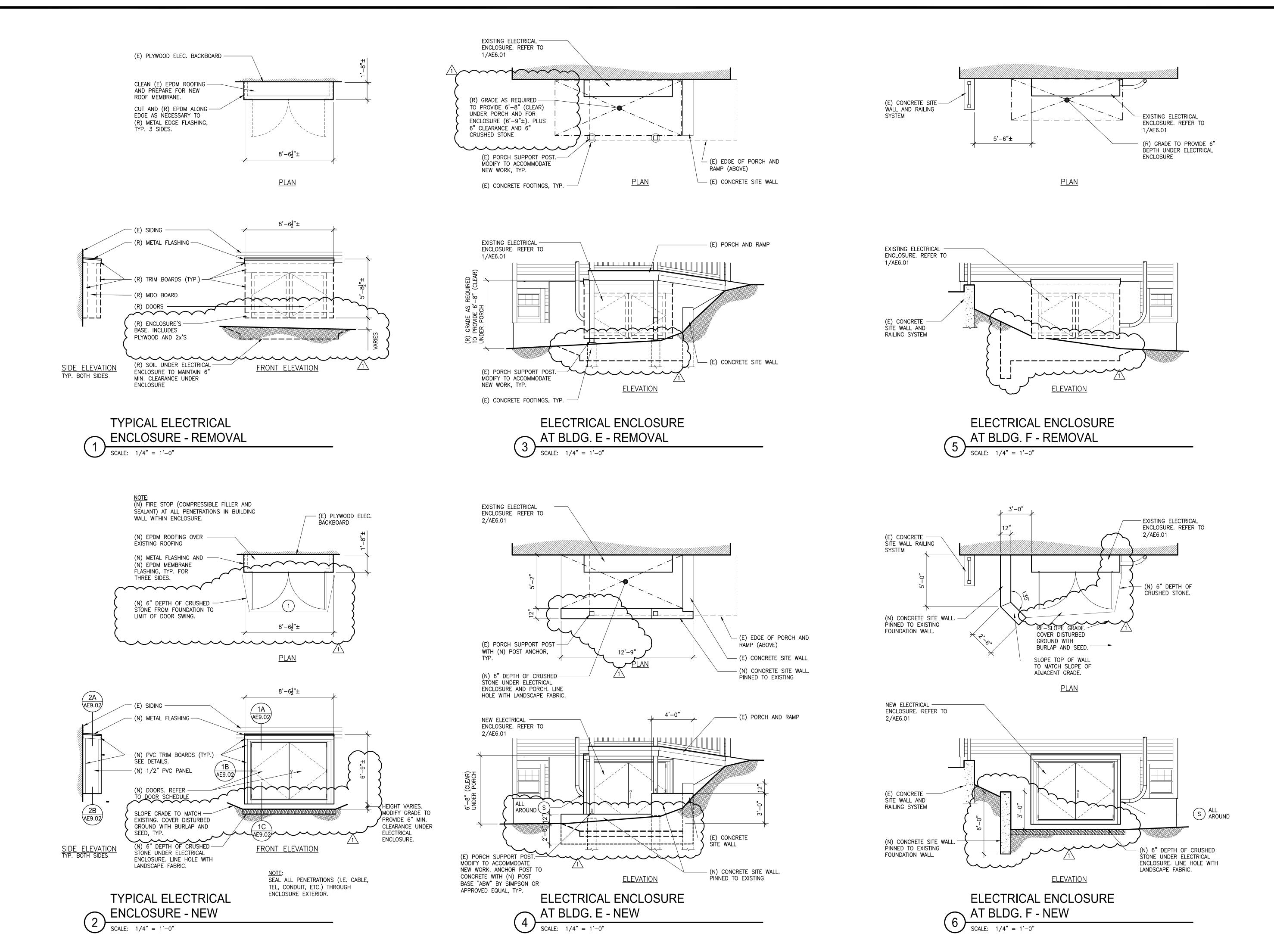
DRAWN BY: CHECKED BY:

COL BMM

AS NOTED



CAD\22008 NBHA Caroline St - Elec Upgrade\CD\22008 ARCH-ELEC.dwg, AE1.01, 8/23/2022 9:11:26 AM, clizc



McKINNELL McKINNELL TAYLOR Inc. **ARCHITECTS** ENGINEERS PLANNERS 1001 HINGHAM STREET ROCKLAND, MA 02370 PHONE: (781) 878-6223 FAX: (781) 878-8920 8-23-22 COL 1\ ADD. #1 ELEVATIONS L ENCLOSURE & F W BEDFORD HOUSING A CAROLINE STREET BEDFORD, MASSACHUSE AND RICAL NEW A/E PROJECT NUMBER: 22008.00 NBHA PROJECT NUMBER: 016-2022

08-10-22

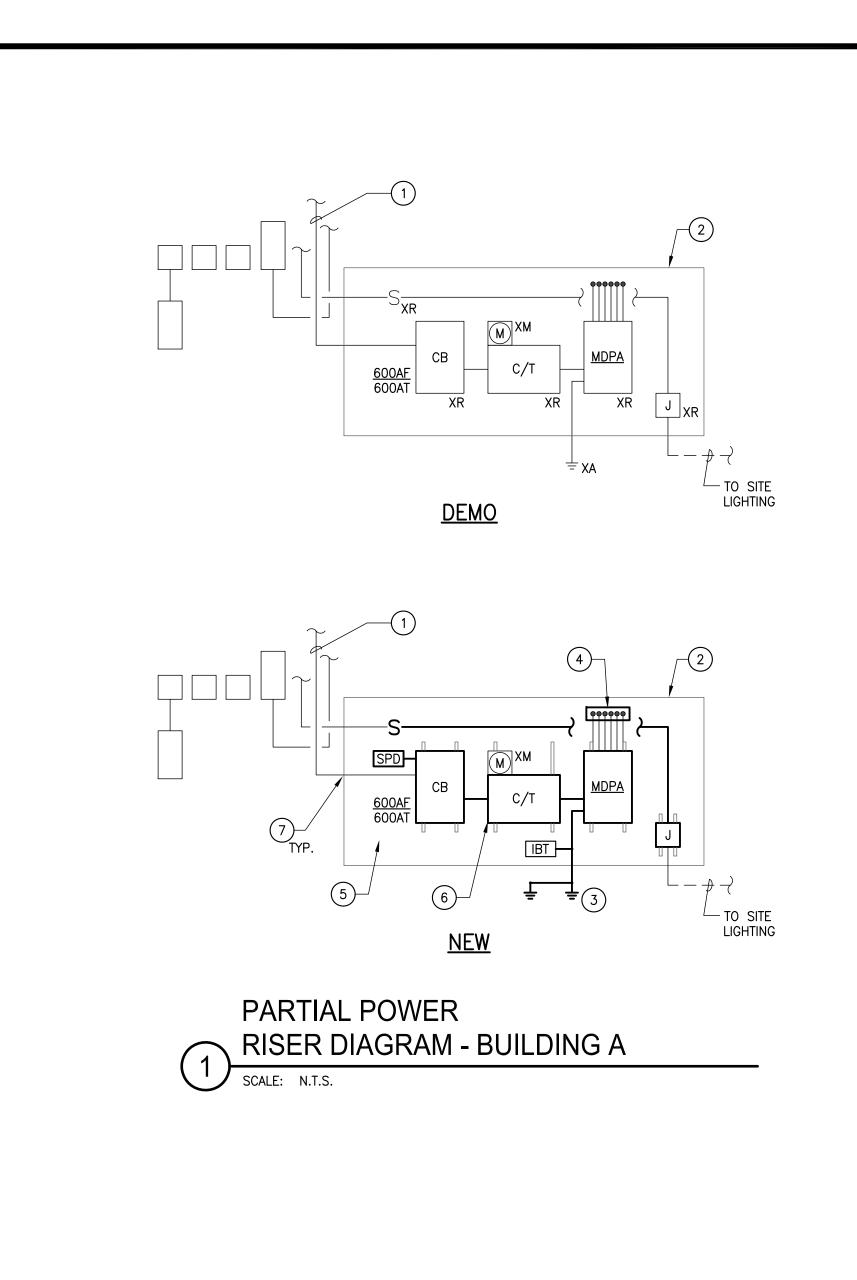
AS NOTED

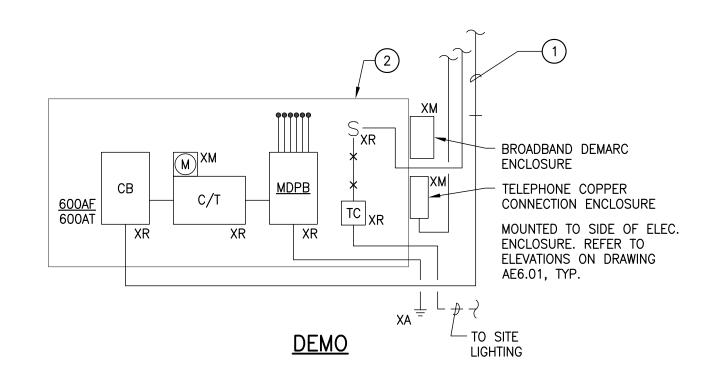
AE6.01

COL

CHECKED BY:

CMD





BROADBAND DEMARC

TELEPHONE COPPER

CONNECTION ENCLOSURE

MOUNTED TO SIDE OF ELEC. ENCLOSURE. REFER TO

ELEVATIONS ON DRAWING

ENCLOSURE

└─ TO SITE LIGHTING

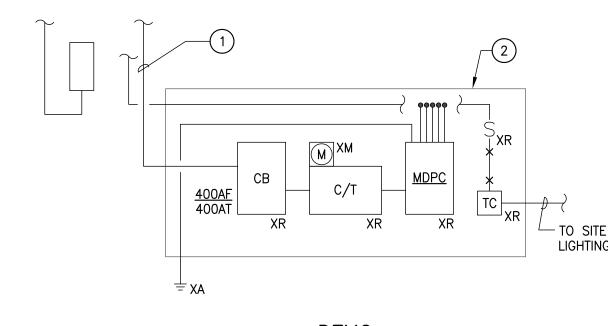
PARTIAL POWER

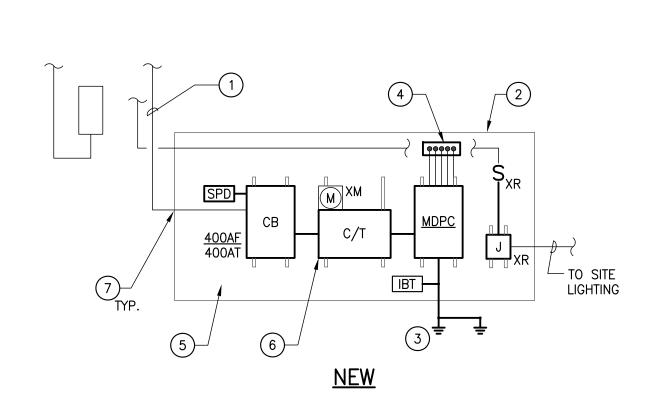
RISER DIAGRAM - BUILDING B

INTERCEPT EXISTING -FEEDERS AND EXTENDS

TO NEW PANEL.

NEW WIREWAY ---





PARTIAL POWER RISER DIAGRAM - BUILDING C

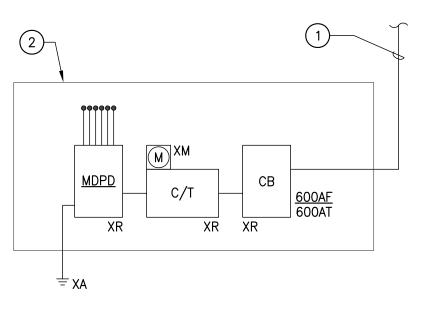
<u>DEMO</u>

NOTES

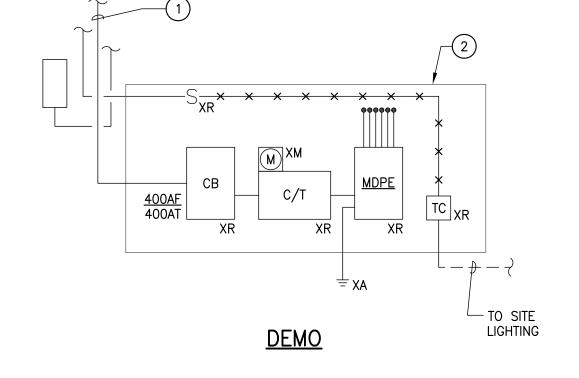
- 1. FOR ELECTRICAL LEGEND AND GENERAL NOTES REFER TO DRAWING
- 2. COORDINATE ALL OUTAGES WITH UTILITY COMPANY AND OWNER PRIOR TO STARTING WORK.

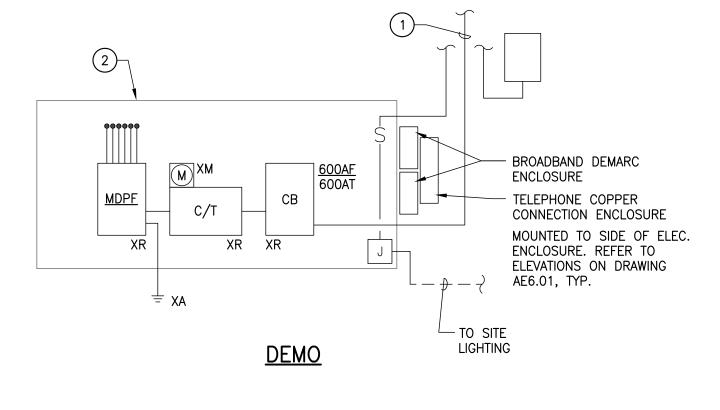
KEY NOTES

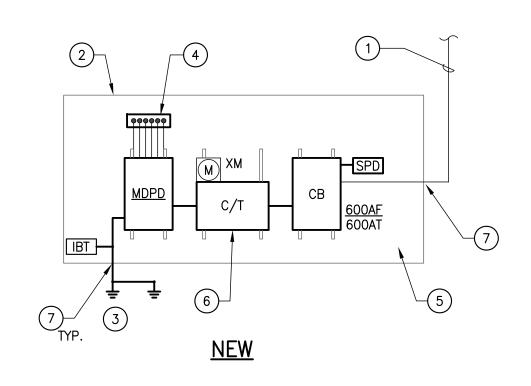
- (1) INCOMING ELECTRICAL SERVICE, SURFACE CONDUIT TO REMAIN.
- 2 ELECTRICAL ENCLOSURE AND BACKBOARD. GENERAL CONTRACTOR TO REMOVE EXISTING AND PROVIDE NEW. REFER TO DRAWING AE6.01 FOR ADDITIONAL INFORMATION.
- REFER TO BUILDING SERVICE GROUNDING DETAIL ON DRAWING AE9.01 FOR ADDITIONAL INFORMATION.
- 4 REFER TO ELECTRICAL FEEDER VERMIN-PROOFING DETAIL ON DRAWING AE9.01.
- 5 REFER TO TYPICAL ENCLOSURE BACKBOARD DETAIL ON DRAWING AE9.01 FOR FURTHER INFORMATION.
- 6 PROVIDE NEW CT'S WITH CABINET. COORDINATE WITH UTILITY COMPANY FOR REQUIRED MODEL NUMBERS. TYPICAL FOR ALL.
- 7 PROVIDE FIRESTOPPING SEALER AT ALL PENETRATIONS TO ENCLOSURE AND BUILDING. TYPICAL FOR ALL.

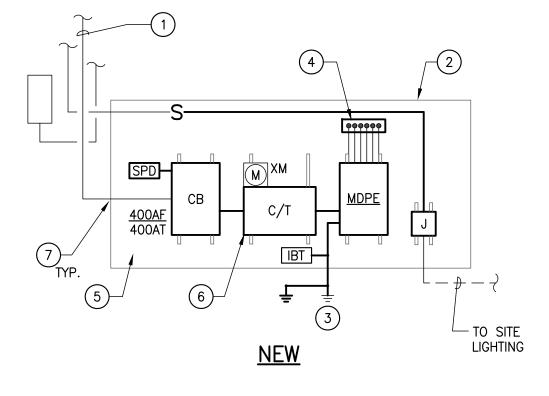


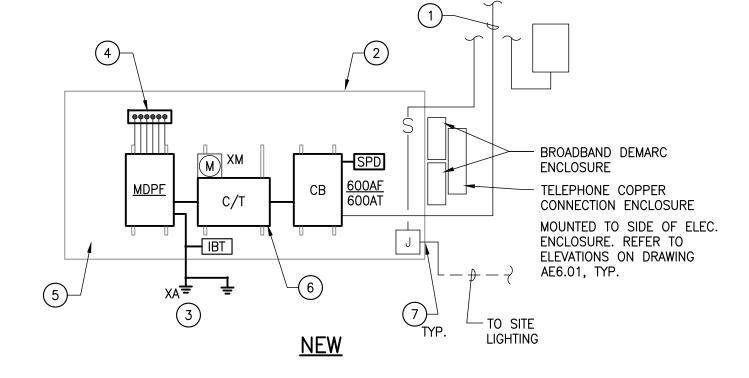
<u>DEMO</u>









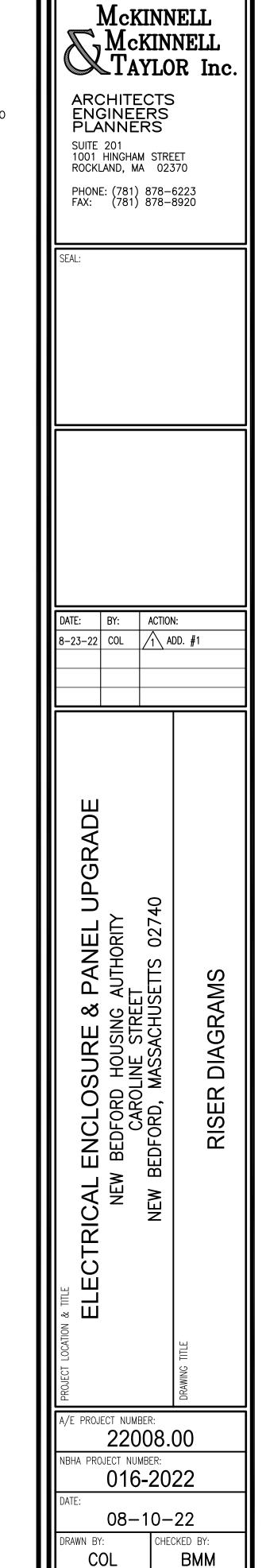


PARTIAL POWER RISER DIAGRAM - BUILDING E



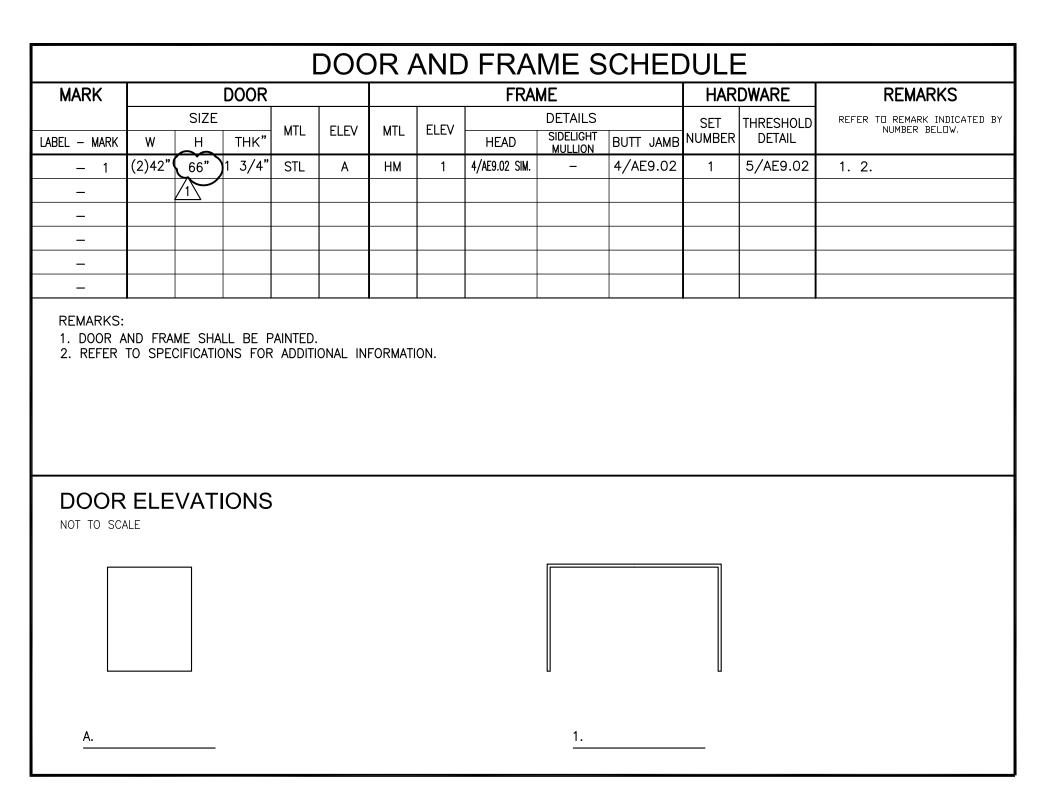
PARTIAL POWER RISER DIAGRAM - BUILDING D SCALE: N.T.S.





AE7.01

AS NOTED



HM = HOLLOW METAL

