ADDENDUM #1
ISSUED: JUNE 24, 2024

DIVISION 00

SECTION 00 91 14: SUPPLEMENTAL SHEETS

ECPPS Warehouse Freezer Replacement
Elizabeth City, North Carolina

00 91 14.01: GENERAL

1. These supplemental sheets are a part of the Specifications and are intended to give additional information on items which may or may not be noted in the specifications or on the drawings. It is suggested that the Contractor carefully read these sheets and note changes, additions, etc., in the corresponding section of these specifications.

2. The specifications are typical and only those parts applicable to this project will be considered.

3. No job trailer on site is required for this project.

00 91 14.02: MODIFICATION

RESERVED FOR FUTURE MODIFICATIONS

00 91 14.03: ADDITIONAL SPECIFICATION

Add the following:

A. SECTION 00 41 13 GENERAL CONSTRUCTION PROPOSAL (SINGLE PRIME) – Addendum #1 dated June 24, 2024.

B. SECTION 00 91 14 SUPPLIMENTAL SHEETS – Addendum #1 dated June 24, 2024.

C. SECTION 01 23 00 SUMMARY OF ALTERNATES – Addendum #1 dated June 24, 2024.

00 91 14.04: DRAWINGS

Revise the following:

A. SHEET AD101 – ENLARGED SITE AND DEMOLITION PLAN – Delete this Sheet in its entirety and replace with SHEET AD101 – ENLARGED SITE AND DEMOLITION PLAN – Addendum #1 dated May 8, 2024.

B. SHEET E101 – ELECTRICAL SYMBOLS, SCHEDULES & RISER – Delete this Sheet in its entirety and replace with SHEET E101 – ELECTRICAL SYMBOLS, SCHEDULES & RISER – Addendum #1 dated May 8, 2024

C. SHEET E201 – ELECTRICAL OVERALL PLAN – Delete this Sheet in its entirety and replace with SHEET E201 – ELECTRICAL OVERALL PLAN – Addendum #1 dated May 8, 2024

00 91 14.05: PRIOR APPROVAL

RESERVED FOR FUTURE MODIFICATIONS AND CLARIFICATIONS PER ADDENDUM

End of Addendum #1
Issued: June 24, 2024

ADDENDUM #1
ISSUED: JUNE 24, 2024

DIVISION 00

SECTION 00 41 13: GENERAL CONSTRUCTION PROPOSAL (SINGLE PRIME)

ECPPS Warehouse Freezer Replacement
1059 Hwy. 17 S.
Elizabeth City, North Carolina 27909

Gentlemen:

The undersigned, as bidder, hereby declares that the only person or persons, interested in this proposal as principal is/or are named herein and that no other person than herein named has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is, in all respects, fair and in good faith without collusion of fraud.

Having examined the contract plans, specifications, and other documents, visited the site and being familiar with all requirements of same, I (or we) propose to furnish all the materials and perform all the work necessary for the General Construction of the above referenced project in strict accordance with the plans, specifications and other contract documents prepared by Pinnacle Architecture, P.A., Matthews, North Carolina for the sum of:

_____Dollars

($_____).

The time required for construction will be _____ calendar days.

A certified check in the amount of $_____ (5%), or a Bid Bond in the amount of 5% of the Bid, or a cash deposit in the amount of $_____ (5%) is attached hereto.

We also agree that after the presentation of this proposal, that a reasonable time, and in no case less than 30 days, will be allowed **Elizabeth City-Pasquotank Public School System** for the necessary approvals before awarding the contract.

The undersigned further agrees that, in case of failure on his part to execute the said contract and the bond within ten (10) consecutive days after written notice being given of the award of the contract, the check or bid bond accompanying this bid and the monies payable thereon, shall be paid to **Elizabeth City-Pasquotank Public School System**, as liquidated damages for such failure; otherwise, the check or bid bond accompanying this proposal shall be returned to the undersigned.

ALTERNATES

Alternate #1 (Existing Concrete Pad) Add: $_____

Deduct: $_____

SUBCONTRACTORS LIST

GENERAL:_____ Amount $_____

HVAC:_____ Amount $_____

ELECTRICAL:_____ Amount $_____

SITE WORK:_____ Amount $_____

Contractor's State License No. _____

Contractor _____

By _____

NOTE: BID PROPOSAL FORM MUST BE COMPLETELY FILLED OUT (i.e. BASE BID PRICE, TIME IN CALENDAR DAYS, LICENSE NO. AND SIGNATURE) TO BE READ. ANY ALTERNATE OR UNIT PRICE LEFT BLANK WILL BE CONSIDERED "NO ADDITIONAL CHARGE" ($0.00). UNIT PRICES WILL NOT BE READ PUBLICLY, BUT WILL BE A PART OF THE CONTRACT.

Acknowledge of Receipt of Addenda:

Addendum No._____ Signature_____ Date_____

Addendum No._____ Signature_____ Date_____

Addendum No._____ Signature_____ Date_____

Addendum No._____ Signature_____ Date_____

ADDENDUM #1
ISSUED: JUNE 24, 2024

DIVISION 01

SECTION 01 23 00: SUMMARY OF ALTERNATES

ECPPS Warehouse Freezer Replacement
Elizabeth City, North Carolina

01 23 00.01: GENERAL

A. SCOPE

1. The Contractor shall state on his Proposal the amounts to be added/subtracted to the Base Bid for each of the Alternates specified herein. Each Alternate price shall cover all sub contract, material, overhead, profit and taxes required to complete that particular part of the work in place and ready for use by the Owner.

2. An Alternate price unaddressed, (i.e. left blank) will be considered as "no change" in price.

3. The Owner reserves the right to accept any Alternate and amend the Contract accordingly within sixty days of the signing of the construction contract without change in the Alternate price as bid.

4. Shop drawings and submittals will be required before acceptance for each alternate.

01 23 00.02: ALTERNATES

A. Alternate #1: Existing Concrete Pad

This Alternate is to reuse existing concrete pad and delete insulated concrete pad floor as indicated in the freezer specification. Insulated Freezer Reinforced super floor with 5000 pounds per square foot capacity shall remain if this Alternate is taken or if it is not.

TYPICAL SELECTIVE DEMOLITION NOTES:

(RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE)

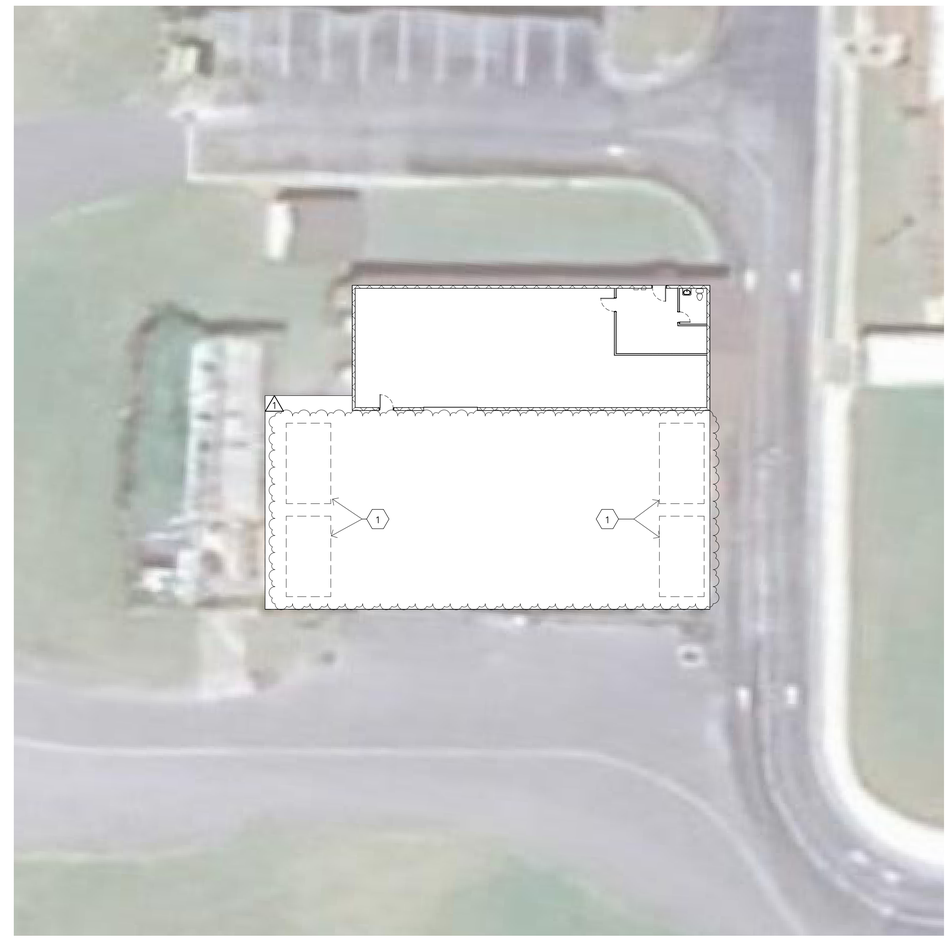
1. REFER TO OTHER DISCIPLINE DRAWINGS FOR FURTHER INSTRUCTIONS REGARDING DEMOLITION.
2. REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE AS INDICATED FOR REUSE.
3. ITEMS NOTED AS SALVAGE ARE TO REMAIN THE PROPERTY OF THE OWNER UNTIL RELEASED FOR DISPOSAL PER LINE ITEM #2.
4. ITEMS NOTED FOR REMOVAL AND REINSTALLATION ARE TO BE CLEANED AND REPAIRED TO AS LIKE NEW CONDITION.
5. PROTECT ALL ITEMS AND REMAINING CONSTRUCTION AGAINST DAMAGE.
6. THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS WILL COMPLY WITH ALL GOVERNING EPA REGULATIONS AT ALL TIMES.
7. IF OWNER IS OCCUPYING PORTIONS OF THE EXISTING BUILDING ADJACENT TO SELECTIVE DEMOLITION AND NEW CONSTRUCTION ALL WORK WILL BE CARRIED OUT AS TO NOT DISRUPT THE OWNERS OPERATIONS. THE G.C. WILL PROVIDE 72 HOURS NOTICE TO BOTH THE OWNER AND ARCHITECT WITH ANY ACTIVITIES AFFECTING OWNER OPERATION.
8. RESTORE EXPOSED FINISHED OR PATCHED AREA EXTENDING FINISH RESTORATION TO ADJOINING CONSTRUCTION IN A MANNER TO ELIMINATE EVIDENCE OF CUTTING AND PATCHING.
9. PATCH AND REPAIR FLOOR AND WALL SURFACES TO PROVIDE A FLUSH AND EVEN SURFACE.
10. USE ONLY MATERIALS WHEN INSTALLED THAT EQUAL OR SURPASS THE PERFORMANCE OF THOSE EXISTING.
11. PRIOR TO SELECTIVE DEMOLITION THE G.C. WILL VERIFY THAT ALL EXISTING UTILITIES HAVE BEEN CAPPED OR DISCONTINUED AS INDICATED.
12. G.C. TO PROVIDE AND MAINTAIN BRACING AND SHORING FOR STRUCTURAL SUPPORT TO SAFELY MAINTAIN STABILITY AND PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF ADJACENT REMAINING STRUCTURES.
13. REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED FOR NEW CONSTRUCTION.
14. SYSTEMATICALLY PROCEED WITH SELECTIVE DEMOLITION FROM HIGH TO LOW.
15. CUT ALL NEW OPENINGS NEAT, PLUMB, SQUARE, AND TRUE TO REQUIRED DIMENSIONS.
16. ALL DEMOLITION EQUIPMENT TO BE LOCATED SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING FRAMING, WALL, OR FLOORS.
17. REMOVE, DRAIN, COLLECT, PURGE, AND DISPOSE OF ALL DANGEROUS MATERIALS PRIOR TO SELECTIVE DEMOLITION.

NOTES FOR GENERAL CONTRACTOR:

1. THE ARCHITECT HAS ENDEAVORED TO LOCATE AND NOTE ALL ITEMS NEEDING TO BE DEMOLISHED AND REMOVED FOR THE PURPOSE OF THE PLACEMENT OR RENOVATED OR NEW CONSTRUCTION. THIS DOES NOT RELIEVE THE GENERAL CONTRACTOR FROM HIS RESPONSIBILITY TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE DEMOLITION PHASE OF THIS PROJECT. ANY ITEM NOT SHOWN AND/OR NOTED THAT REQUIRES REMOVAL WILL BE REMOVED AT NO ADDITIONAL PROJECT COST.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR TOTAL COMPLIANCE WITH THE RENOVATION, REPAIR AND PAINTING RULE (RRP RULE) FINALIZED IN APRIL 2008 UNDER THE RESIDENTIAL LEAD-BASED PAINT HAZARD REDUCTION ACT OF 1992. REFER TO *www.epa.gov/lead* FOR ADDITIONAL INFORMATION.

DEMOLITION PLAN NOTES:

(1) REMOVE EXISTING FREEZER. CAP AND TERMINATE EXISTING UTILITY CONNECTIONS AS REQUIRED. CLEAN AND REPAIR SITE TO LIKE NEW CONDITION.



1 AD101 ENLARGED SITE/DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

CONTRACTOR TO VERIFY ALL DIMENSIONS.

PINNACLE ARCHITECTURE
PROFESSIONAL ASSOCIATION
P.O. BOX 187, 630 TEAM ROAD, SUITE 200
MATTHEWS, NORTH CAROLINA 28106
PH: (704) 847-9831 FAX: (704) 847-9833
701 EAST BAY STREET, SUITE 302
CHARLESTON, SOUTH CAROLINA 29403
PH: (843) 872-5345 FAX: (843) 872-5374

ISSUE DATE: 03-26-2024
DRAWN BY: GC/PR
CHECKED BY: ED/CLB
PROJECT: 24XX

ECPPS WAREHOUSE FREEZER REPLACEMENT
1059 HWY. 17 S. ELIZABETH, NC 27909
ELIZABETH CITY-PASQUOTANK PUBLIC SCHOOLS

ENLARGED SITE AND DEMOLITION PLAN

REVISION SCHEDULE

#	DATE	DESCRIPTION
1	09.03.2024	Owner Revisions

AD101

SYMBOL SCHEDULE

GENERAL SYMBOLS	
SYMBOL	DESCRIPTION
———	CONDUIT RUN CONCEALED ABOVE CEILINGS OR IN WALLS.
- - - - - -	CONDUIT RUN CONCEALED IN OR BELOW FLOORS OR UNDERGROUND.
—·—·—	CONDUIT RUN EXPOSED.
———•	CONDUIT TURNING UP
———•	CONDUIT TURNING DOWN
——■	SQUARE ON CONDUIT SYMBOL INDICATES THAT CIRCUIT CONTINUES BUT NOT SWITCHLEG.
——▶▶▶	HOMERUN TO PANEL AND CIRCUIT(S) DESIGNATED. ARROW(S) INDICATE QUANTITY OF CIRCUITS.
④	JUNCTION BOX PER N.E.C.
◇1	SPECIAL NOTE, NUMERALS IDENTIFY, SEE SCHEDULE.
①	SPECIAL CONNECTION TO A SPECIFIC ITEM OF EQUIPMENT. SEE CONNECTION SCHEDULE.
▬	ELECTRICAL PANELBOARD, SURFACE MOUNTED.
▨	ENCLOSED CIRCUIT BREAKER
□h	DISCONNECT SWITCH, NON–FUSIBLE.
▨h	DISCONNECT SWITCH, FUSIBLE.
■h	DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.
—⏚	GROUND CONNECTION.

ELECTRICAL SPECIFICATIONS

1. PROVIDE ALL WORK AND MATERIALS REQUIRED FOR A COMPLETE AND WORKMANLIKE INSTALLATION AS SHOWN BY THE THE DRAWINGS AND SPECIFIED HEREIN.

2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE, AND LOCAL CODES. ELECTRICAL MATERIALS SHALL BE NEW AND SHALL COMPLY WITH ALL APPLICABLE NEMA, U.L., ANSI, OSHA, AND ICEA STANDARDS.

3. PERFORM ALL CUTTING AND PATCHING NECESSARY FOR THE PROPER INSTALLATION OF THIS WORK AND REPAIR ANY DAMAGE DONE AS A RESULT OF THIS WORK.

4. AN ELECTRICAL INSPECTION CERTIFICATE SHALL BE ISSUED BY THE AUTHORITIES HAVING JURISDICTION BEFORE WORK WILL BE APPROVED FOR FINAL PAYMENT.

5. ALL ELECTRICAL CONDUIT AND CONDUCTORS WHICH ARE ABANDONED SHALL EITHER BE REMOVED COMPLETELY OR MECHANICALLY AND ELECTRICALLY SECURED. BACK BOXES OF OUTLETS AND SWITCHES SHOWN TO BE REMOVED FROM THE WALLS REMAINING SHALL BE REMOVED AND THE WALL PROPERLY PATCHED. ALL EXISTING ELECTRICAL OUTLETS NOT SHOWN TO BE REMOVED SHALL BE RECONNECTED. ALL MATERIALS AND EQUIPMENT NOTED TO BE REUSED IN THE NEW WORK SHALL BE CLEANED AND, IF NECESSARY, REPAIRED AND SHALL BE STORED AND PROTECTED ON THE SITE. ALL REUSED FIXTURES SHALL BE RELAMPED. PROVIDE OUTLET BOX EXTENSIONS WHERE NEW WALL FINISHES REQUIRED ADDITIONAL OUTLET BOX DEPTH. RELOCATE ANY EXISTING CONDUITS, CONDUCTORS, FIXTURES, AND OUTLETS WHERE REQUIRED BY THIS WORK.

6. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN, AND SOLID OF #10, #12, AND #14 AWG AND STRANDED FOR #8 AWG AND LARGER. BRANCH CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG. CONDUCTORS SHALL BE COLOR CODED BLACK/RED FOR 120/208 VOLT AND 240 VOLT SYSTEMS. (PHASE A/ PHASE B) CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. NO SPLICES SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES. SPLICES SHALL BE MADE BY TWISTING SECURELY AND FASTENING WITH U.L. LISTED, PRESSURE–TYPE TWIST ON INSULATED–WIRE CONNECTORS OF THE SAME TEMPERATURE RATING AS THE CONDUCTORS. SPLICES TO LIGHT FIXTURE LEADS SHALL BE MADE WITH PLASTIC WIRE NUTS.

7. ALL WIRING SHALL BE IN CONDUIT. WHERE CONCEALED WIRING SHALL BE METAL CLAD (MC) CABLE UNLESS OTHERWISE NOTED. WHERE EXPOSED, WIRING SHALL BE IN ELECTRICAL METALLIC TUBING (EMT), i–INCH TRADE SIZE MINIMUM. WHERE EMT IS USED, FITTINGS SHALL BE THREADLESS–COMPRESSION TYPE GALVANIZED STEEL. WHERE FLEXIBLE METAL CONDUIT IS USED, CONNECTORS SHALL BE T & B NYLON–INSULATED "TITE–BITE".

8. OUTLET BOXES SHALL BE GALVANIZED SHEET STEEL. FIXTURE OUTLET BOXES ON CEILINGS SHALL NOT BE LESS THAN 4 INCHES OCTAGONAL OUTLET BOXES ON NEW GYPSUM DRYWALL WALLS SHALL BE 4 INCHES SQUARE WITH SQUARE–CUT COVER EXTENSIONS.

9. SWITCHES AND RECEPTACLES SHALL BE SPECIFICATION GRADE BY ARROW–HART, GENERAL ELECTRIC, BRYANT, OR HUBBELL. PLATES SHALL BE 302 STAINLESS STEEL.

10. OUTLET AND JUNCTION BOXES SHALL BE CAST TYPE WITH THREADED HUBS. BOXES AND ENCLOSURES LARGER THAN 5 INCHES SQUARE SHALL BE NEMA 12.

11. ALL CONDUIT SHALL BE RUN AS HIGH AS POSSIBLE, PARALLEL WITH STRUCTURAL MEMBERS, SUPPORTED ON APPROVED TYPES OF GALVANIZED TRAPEZES, HANGERS, OR STRAPS.

12. LIQUID–TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR EQUIPMENT CONNECTIONS, BUT NOT AS A WIRING METHOD OTHERWISE.

13. DISCONNECT SWITCHES SHALL BE HEAVY–DUTY TYPE WITH REJECTION–TYPE FUSE CLIPS AND SUITABLE FOR 75°C CONDUCTOR TERMINATION.

14. PANELBOARDS SHALL BE DEAD–FRONT SAFETY TYPE. ALL CIRCUIT BREAKERS SHALL BE MOLDED–CASE, BOLT–ON, AUTOMATIC THERMAL MAGNETIC TYPE, CALIBRATED FOR 40°C. OR AMBIENT COMPENSATION, AND SUITABLE FOR 75°C CONDUCTOR TERMINATION. CABINET SHALL BE 20 INCHES WIDE MINIMUM, WITH NOT LESS THAN 4–INCH WIRING GUTTERS AT TOP, SIDES, AND BOTTOM.

15. A CONTINUOUS GREEN GROUND WIRE SHALL BE RUN WITH EACH CIRCUIT.

16. SHOP DRAWINGS SHALL BE SUBMITTED FOR PANELBOARDS.

17. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR PANELBOARDS.

18. REFER TO BOUND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

19. UPDATE PANEL DIRECTORY TO REFLECT ALL CHANGES REQUIRED BY THIS WORK.

EQUIPMENT CONNECTION SCHEDULE

SYM.	EQUIPMENT	LOAD	VOLT/ PHASE	DISCONNECT TYPE	DISCONNECT RATING	DISCONNECT POLES	DISCONNECT TRIP/FUSE	DISCONNECT ENCLO.	CONDUCTORS	RACEWAY TYPE	RACEWAY SIZE	NOTES
①	NEW CONDENSER	31.8RLA,50MCA,70MOCP	240/1	FDS	100	2	◇1	3R	2#6,1#8G	LFMC	3/4"	
②	NEW EVAPORATOR	14.3A DEFROST, 1.5A	240/1	NFDS	30	2	--	1	2#12,1#12G	LFMC	1/2"	

△1

LEGEND

DISCONNECT TYPES
ETCB = ELECTRONIC–TRIP CIRCUIT BREAKER
FDS = FUSIBLE DISCONNECT SWITCH
MCP = MOTOR CIRCUIT PROTECTOR
NFDS = NON–FUSIBLE DISCONNECT SWITCH
ST/DS = COMBINATION STARTER/DISCONNECT SWITCH
TMCB = THERMAL–MAGNETIC CIRCUIT BREAKER
TOG = HP RATED TOGGLE SWITCH

DISCONNECT ENCLOSURE TYPES
1 = NEMA 1 ENCLOSURE
3R = NEMA 3R ENCLOSURE
4 = NEMA 4 ENCLOSURE
4X = NEMA 4X ENCLOSURE

FPN = FUSE PER NAMEPLATE

RACEWAY TYPES
EMT = ELECTRIC METALLIC TUBING
FMC = FLEXIBLE METAL CONDUIT
IMC = INTERMEDIATE METAL CONDUIT
LFMC = LIQUID–TIGHT FLEXIBLE METAL CONDUIT
PVC = NON–METALLIC PVC CONDUIT
RMC = RIGID METAL CONDUIT

STARTER TYPES
CFVNR = COMBINATION FULL VOLTAGE, NONREVERSING

CONTROL DEVICES
HOA = HAND–OFF–AUTO
RPL = RED PILOT LIGHT
AUX = AUXILIARY CONTACTS (2 N.O., 1 N.C.)
CT50 = 50 VA CONTROL TRANSFORMER

NOTES

ALL ELECTRICAL CHARACTERISTICS SCHEDULED ABOVE ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT WITH EQUIPMENT SUPPLIER(S) PRIOR TO ROUGHING, AND SHALL VERIFY EXACT LOCATION AND EXACT TYPE OF CONNECTION. ALL EQUIPMENT SHALL BE PROPERLY AND SECURELY GROUNDED. ANY SIGNIFICANT CHANGES IN LOCATION, ELECTRICAL REQUIREMENTS, OR TYPE OF CONNECTION REQUIRED FOR ANY EQUIPMENT SCHEDULED ABOVE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING PRIOR TO PROCEEDING.

CONDUCTORS AND RACEWAY SPECIFIED IN THE ABOVE SCHEDULE ARE FOR FINAL CONNECTION TO UNIT AND SHALL BE EXTENDED FROM THE DISCONNECT SHOWN ON THE FLOOR PLANS TO THE EQUIPMENT TERMINATION BOX.

CONDUIT AND BOXES REQUIRED FOR EQUIPMENT CONNECTIONS SHALL BE INSTALLED IN SUCH A WAY AS TO NOT COVER UP EQUIPMENT NAMEPLATES, SERVICE AREAS, AIR FLOW AREAS, ETC.

◇1 FUSE PER MANUFACTURER'S RECOMMENDATION.

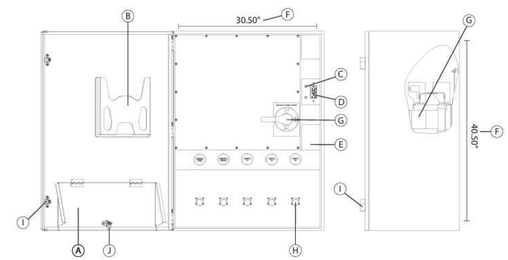
ENCLOSED SWITCH AND CIRCUIT BREAKER SCHEDULE

UNIT	LOCATION	TYPE	VOLTAGE	POLES	FRAME/SWITCH	TRIP/FUSE	SC RATING	ENCLOSURE	NOTES
MTS	EXTERIOR WALL	MTS	240/120	3	200A	--	10 KAIC	NEMA 3R	◇1
MCB2	SERVICE TROUGH	TMCB	240/120	2	200A	200A	10 KAIC	NEMA 3R	◇2

NOTES:

◇1 ~~PROVIDE WITH INTERGRAL GENERATOR TAP BOX~~ WITH CAM–LOK CONNECTORS (2 WIRE PLUS NEUTRAL AND GROUND) FOR CONNECTION TO A TEMPORARY GENERATOR. POWERTRON MTS SERIES OR APPROVED EQUAL. △1

◇2 PROVIDE WITH SERVICE ENTRANCE LABEL.



Enclosure Specifications

Type	Height	Width	Depth	Material	Color/Finish	Unit Weight	Shipping Weight
NEMA 3R	42.0"	32.0"	20"	Mild Steel	Powder Coat Light Ivory	240	290

Standard Components

A	Trapped Cable Door Patented #US D771,580 S UL Verified Mark #: A061453
B	Owner's Manual Holder
C	Remote Start/Stop Terminals
~~D~~	~~GFCI 20 Amp Receptacle~~
~~E~~	~~Cover plate shall not be removed when installing Powertron® Phase Rotation Monitor~~
F	Mounting Hole Pattern – (4X) 0.50" dia.
G	Manual Transfer Switch: connection point mechanical lug 2 AWG to 600 KCMIL per phase
H	Series 16, 400 Amp, 600 VAC, Single Pole Cam-Lock Receptacle
I	Key Lock Handle
J	Quarter Turn Twist Lock Handle (non-locking)

2 MTS/GENERATOR DOCKING STATION DETAIL

SCALE: NOT TO SCALE △1

PANELBOARD: EX. PANEL MDP1 GROUND BUS SC RATING: 10 KAMPS RMS SYMM.
SERVICE: 240/120V 1PH 3W MOUNTING: SURFACE
MAINS: 200 AMP MCB TYPE: BRANCH ENCLOSURE: NEMA 1

LOAD DESCRIPTION	WIRE	BKR	CKT	NEUT	CONNECTED LOAD (KVA) A	CONNECTED LOAD (KVA) B	CKT	BKR	WIRE	LOAD DESCRIPTION
WAREHOUSE LTG.	EX	20/1	1A	0.8	0.8		2A	20/2	EX	ELEC. HEAT OFFICE
						1.9				
WAREHOUSE LTG.	EX	20/1	3B	0.8		0.8	4B	/	EX	
						1.9				
WAREHOUSE LTG.	EX	20/1	5A	0.8	0.8		6A	20/1	EX	OFFICE REC.
				0.7	0.7					
OUTSIDE LIGHTS	EX	15/1	7B	0.8		0.8	8B	20/1	EX	COPIER REC.
				0.5		0.5				
WALK IN COOLER/FREEZER	EX	100/2	9A		4.0		10A	60/2	EX	WALK IN FREEZER
					0.0					
(NOTE 2)	EX	/	11B			4.0	12B	/	EX	(NOTE 2)
						0.0				
AC OFFICE	EX	20/1	13A	1.4	1.4		14A	15/1	EX	BURG. ALARM
				0.5	0.5					
REC. LOFT	EX	15/1	15B	0.4		0.4	16B	80/2		MAKE SPARE
						0.0				
MINI–SPLIT AC	EX	15/2	17A		1.2		18A	/		(OLD PANEL A)
					0.0					
	EX	/	19B			1.2	20B	60/2	6	HEAT PUMP #2
						4.6				
BATH LIGHTS	EX	15/1	21A	0.8	0.8		22A	/	6	(NOTE 1)
					4.6					
HEAT PUMP #1	*	60/2	23B			4.6	24B	20/1	12	HTR. BATHROOM (NOTE 1)
				1.5		1.5				
(NOTE 1)	*	/	25A		4.6		26A	20/1	12	EX. CKT. (NOTE 1)
				0.5	0.5					
WATER HEATER (NOTE 1)	*	20/1	27B	1.5		1.5	28B	20/1		SPARE
				0.0		0.0				
		/	29A		0.0		30A	20/1		SPARE
				0.0	0.0					
				11.0	21.8	21.8				

NOTES:
1. RELOCATE CIRCUIT BREAKER FROM DEMOLISHED PANEL MDP2 TO THIS PANEL. EXTEND EXISTING CIRCUIT TO THIS PANEL. MATCH EXISTING WIRE SIZE.
2. FREEZER NEAREST BUILDING TO BE DEMOLISHED. MAKE CIRCUIT BREAKER SPARE.

△1

LOAD TYPE	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
LIGHTS	4.0	1.25	5.0
RECEPTS	1.08	NEC 220.44	1.08
MOTORS	22.2	NEC 430.24	24.5
HEAT	6.8	1.0	6.8
KITCHEN	0.0	0.85	0.0
CMPTR	0.0	1.0	0.0
OTHER	9.5	1.0	9.5
TOTAL	43.6	TOTAL	46.9

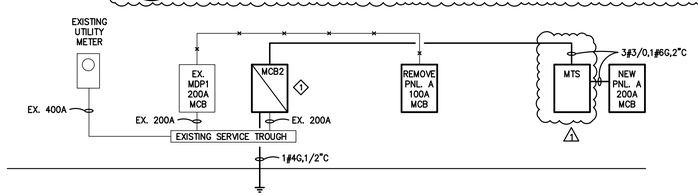
PANELBOARD: NEW PANEL A GROUND BUS SC RATING: 10 KAMPS RMS SYMM.
SERVICE: 240/120V 1PH 3W MOUNTING: SURFACE
MAINS: 200 AMP MCB TYPE: BRANCH ENCLOSURE: NEMA 3R

LOAD DESCRIPTION	WIRE	BKR	CKT	NEUT	CONNECTED LOAD (KVA) A	CONNECTED LOAD (KVA) B	CKT	BKR	WIRE	LOAD DESCRIPTION
NEW CONDENSING UNIT	6	70/2	1A		5.5		2A	20/2	12	NEW EVAPORATOR
					1.9					
	6	/	3B			5.5	4B	/	12	
						1.9				
NEW CONDENSING UNIT	6	70/2	5A		5.5		6A	20/2	12	NEW EVAPORATOR
					1.9					
	6	/	7B			5.5	8B	/	12	
						1.9				
NEW CONDENSING UNIT	6	70/2	9A		5.5		10A	20/2	12	NEW EVAPORATOR
					1.9					
	6	/	11B			5.5	12B	/	12	
						1.9				
SPARE		20/1	13A		0.0	0.0	14A	20/1		SPARE
					0.0	0.0				
SPARE		20/1	15B		1.0	9.9	16B	20/1		SPARE
					0.0	0.0				
SPARE		20/1	17A		1.0	9.9	18A	20/1		SPARE
					0.0	0.0				
SPARE		20/1	19B		0.0	0.0	20B	20/1		SPARE
					0.0	0.0				
SPACE ONLY		/2	21A		0.0		22A	/2		SPACE ONLY
					0.0					
		/	23B			0.0	24B	/		
						0.0				
		/	25A		0.0		26A	/		
					0.0					
		/	27B			0.0	28B	/		
						0.0				
		/	29A		0.0		30A	/		
					0.0					
		/	31B			0.0	32B	/		
						0.0				
		/	33A		0.0		34A	/		
					0.0					
		/	35B			0.0	36B	/		
						0.0				
		/	37A		0.0		38A	/		
					0.0					
		/	39B			0.0	40B	/		
						0.0				
					3.0	31.5	31.5			

NOTES:
1. EXISTING COOLER/FREEZER TO BE RELOCATED. RE–FEED CIRCUIT FROM THIS PANEL.

△1

LOAD TYPE	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
LIGHTS	0.0	1.3	0.0
RECEPTS	0.00	NEC 220.44	0.00
MOTORS	0.0	NEC 430.24	0.0
HEAT	0.0	1.0	0.0
KITCHEN	44.1	0.7	28.7
CMPTR	0.0	1.0	0.0
OTHER	0.0	1.0	0.0
TOTAL	44.1	TOTAL	28.7



1 POWER RISER DIAGRAM

SCALE: NOT TO SCALE

NOTES:

◇1 REPLACE EXISTING SERVICE PANEL MDP2 WITH NEW ENCLOSED CIRCUIT BREAKER MCB2. EXTEND CIRCUITS CURRENTLY FED FROM PANEL MDP2 TO PANEL MDP1 TO REMAIN. MATCH EXISTING WIRE SIZE. RELOCATE CIRCUIT BREAKERS FROM PANEL MDP2 TO MDP1 IN AVAILABLE SPACE. PROVIDE JUNCTION BOXES AS REQUIRED TO EXTEND CIRCUITS.

CONTRACTOR TO VERIFY ALL DIMENSIONS.

PINNACLE ARCHITECTURE
PROFESSIONAL ASSOCIATION
P.O. BOX 187, 630 TEAM ROAD, SUITE 200
MATTHEWS, NORTH CAROLINA 28106
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701 EAST BAY STREET, SUITE 302
CHARLESTON, SOUTH CAROLINA 29403
PH: (843) 872-5345 FAX: (843) 872-5374

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 036875 MATTHEW D. LOWN 9/8/2024

ISSUE DATE: 03-26-2024
DRAWN BY: MDK
CHECKED BY: MDK
PROJECT:

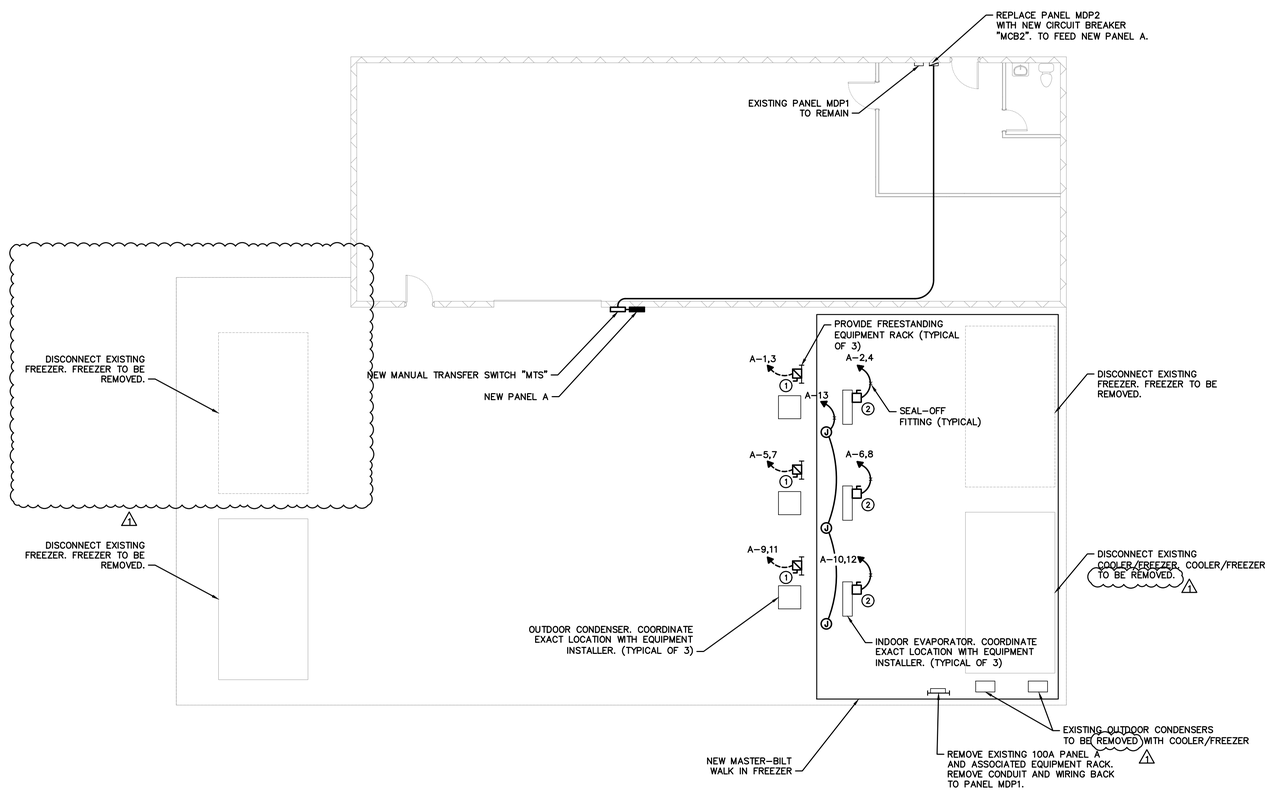
ECPPS WAREHOUSE FREEZER REPLACEMENT
1059 HWY. 17 S. ELIZABETH, NC 27909
ELIZABETH CITY-PASQUOTANK PUBLIC SCHOOLS

ELECTRICAL SYMBOLS, SCHEDULES & RISER

REVISION SCHEDULE

	DATE	DESCRIPTION
△1	5/8/24	ADDENDUM

E101



1 OVERALL PLAN – ELECTRICAL
SCALE: 1/8" = 1'-0"

CONTRACTOR TO VERIFY ALL DIMENSIONS.

PINNACLE ARCHITECTURE
PROFESSIONAL ASSOCIATION
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 36875 MATTHEW D. KOTTE
5/8/2024

ISSUE DATE: 03-26-2024
DRAWN BY: MDK
CHECKED BY: MDK
PROJECT:

ECPPS WAREHOUSE FREEZER REPLACEMENT
1059 HWY. 17 S. ELIZABETH, NC 27909
ELIZABETH CITY-PASQUOTANK PUBLIC SCHOOLS

ELECTRICAL OVERALL PLAN

REVISION SCHEDULE

	DATE	DESCRIPTION
1	5/8/24	ADDENDUM

E201