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OTTAWA ELEMENTARY SCHOOL FREEZER REPLACEMENT PROJECT

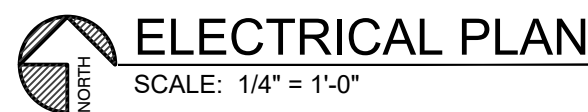
109 OTTAWA STREET
BUCHANAN, MI 49107

**BUCHANAN
COMMUNITY
SCHOOLS**

401 W CHICAGO STREET
BUCHANAN, MI 49107

GENERAL ELECTRICAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES AND STANDARDS.
2. ALL DEVICE BOXES SHALL BE INSTALLED FLUSH AND CONDUITS/CONDUCTORS RUN CONCEALED IN FINISHED AREAS.
3. INSTALL POWER AND CONTROL WIRING AND REQUIRED CONTROL COMPONENTS FOR AIR CONDITIONING SYSTEMS AS SHOWN/NOTED ON THESE DRAWINGS AND PER OTHER APPLICABLE DRAWINGS/INSTRUCTIONS.
4. WIRE SIZE SHALL BE #12 MIN. UNLESS OTHERWISE NOTED. WIRE SIZES SMALLER THAN #6 AWG SHALL BE THIN/THWN. #6 AWG WIRE & LARGER SHALL BE THW, UNLESS NOTED OTHERWISE.
5. WIRE (CONDUCTOR) COLORS SHALL BE AS PER APPLICABLE CODES.
6. ALL CONDUCTORS SHALL BE COPPER.
7. LOW VOLTAGE CONTROL & COMM. CABLES. THESE SHALL BE PLENUM RATED.
8. ALL MATERIALS SHALL BE UL APPROVED.
9. ALL EMPTY CONDUITS TO BE PROVIDED WITH NYLON PULL CHORD.
10. NEW TYPEWRITTEN PANEL DIRECTORY SHALL BE FURNISHED AFTER JOB IS COMPLETED REFLECTING ALL AS BUILT CONDITIONS.
11. ALL BRANCH CIRCUITS SHALL BE PROPERLY BALANCED.
12. FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE UNLESS OTHERWISE NOTED.
13. CONTRACTOR TO COORDINATE ROUGHING-IN REQUIREMENTS FOR ALL EQUIPMENT W/ RESPECTIVE SUPPLIER PRIOR TO INSTALLING CONDUCTORS.
14. THE ELECTRICAL DEVICES SHOWN ARE FOR BIDDING QUANTITY. ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL DEVICE LOCATIONS WITH THE OWNER BEFORE ROUGH IN AND ALTER LOCATIONS AS REQUIRED. THE FINAL LOCATIONS MUST MEET CODE REQUIREMENTS.



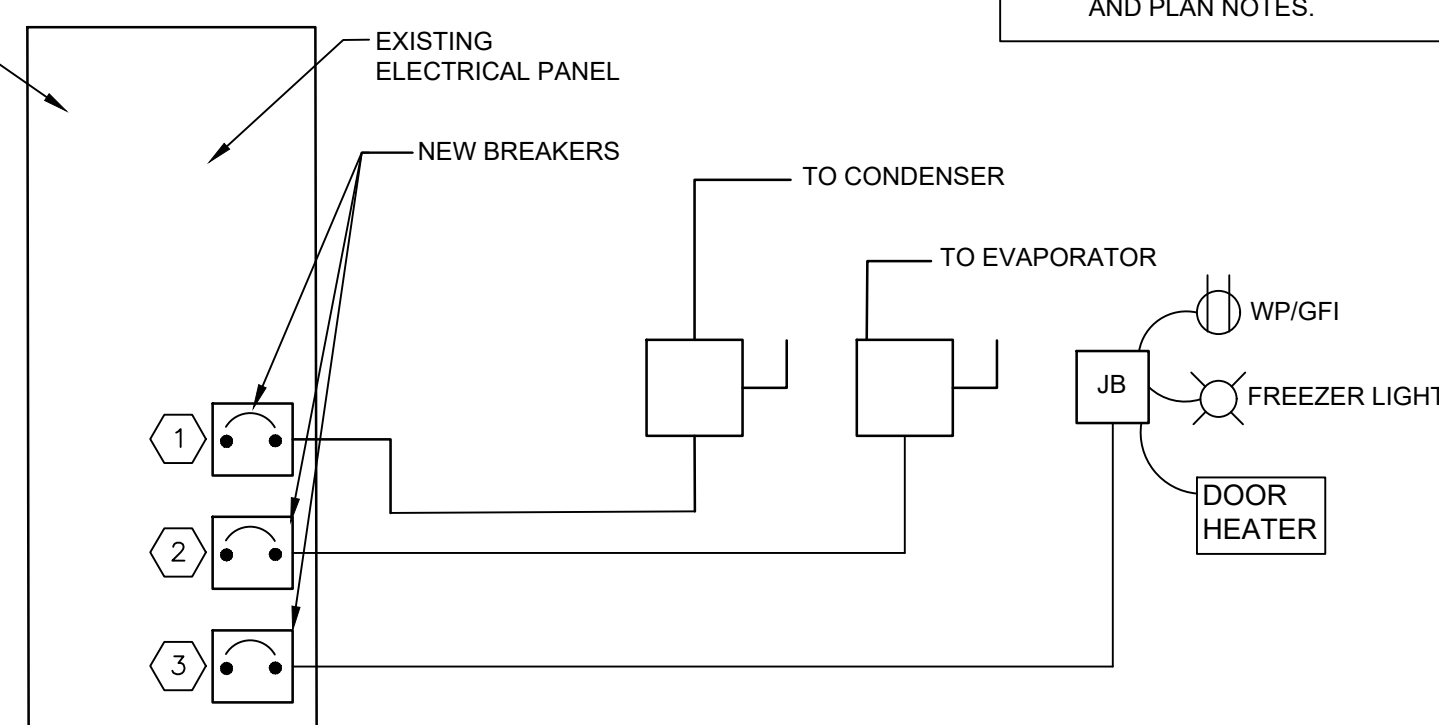
GENERAL NOTES:

1. CONDUIT INSIDE BUILDING TO BE EMT. WHEN OUTSIDE, RUN CONDUIT 36" BELOW GRADE TO FREEZER, UTILIZING PVC40 BELOW GROUND AND TRANSITIONING TO GRC WHEN ABOVE GROUND.
2. IT IS PERMISSIBLE TO RUN ALL WIRING IN SAME CONDUIT, UPSIZING CONDUIT TO MEET ALL NEC REQUIREMENTS.
3. WIRING TO BE THHN/THWN, 75 DEGREE RATED.

PLAN NOTES:

1. FURNISH AND INSTALL A 35A, 2 POLE BREAKER IN EXISTING 225A, 208Y/120V PANEL IN SPACE SPACE. RUN 3 #8, IN 1" CONDUIT FROM PANEL TO NEMA 3R EXTERIOR RATED 20A, 208V, 2 POLE DISCONNECT, AND ON TO CONDENSER. DISCONNECT TO BE INSTALLED IN SIGHT OF CONDENSER
 2. FURNISH AND INSTALL A 20A, 2 POLE BREAKER IN EXISTING, 208Y/120V PANEL IN SPACE SPACE. RUN 3 #12, IN 1" CONDUIT FROM PANEL TO NEMA 3R EXTERIOR RATED 20A, 208V, 2 POLE DISCONNECT, AND ON TO EVAPORATOR. DISCONNECT TO BE INSTALLED IN SIGHT OF EVAPORATOR.
 3. FURNISH AND INSTALL A 120V, 20A BREAKER IN EXISTING PANEL IN SPACE SPACE. RUN 3 #12 IN 1" CONDUIT FROM PANEL TO EXTERIOR OUTLET, FREEZER LIGHTS AND DOOR HEATER
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXISTING ELECTRICAL PANELS ARE CAPABLE OF FEEDING THE NEW FEEDING CIRCUITS AND CIRCUIT BREAKERS IF ACCEPTABLE. REPLACE CIRCUITS AND BREAKERS IF THE EXISTING ARE NOT AS CALLED OUT IN THE ELECTRICAL RISER DIAGRAM AND PLAN NOTES.

RE-USE SPARE SPACES
IN EXISTING KITCHEN
SUBPANEL FROM
BREAKERS FEEDING
PREVIOUS FREEZER.
REPLACE BREAKERS
WITH AMPERAGE SIZES
AS INDICATED. IF NOT
ENOUGH SPARE SPACE,
UTILIZE THE OTHER
EXISTING PANEL IN
SAME ROOM. IF NOT
ENOUGH SPARES
AVAILABLE, PROVIDE AN
ADDITIONAL 60A
SUBPANEL, FED FROM
THE SMALL KITCHEN
SUBPANEL, WITH THE
UNDERSTANDING THAT
THE OLD KITCHEN
CIRCUITS ARE NO
LONGER BEING USED,
AND THEREFORE NOT
ADDING ADDITIONAL
LOAD.



ELECTRIC RISER PLAN

SCALE: 1/8" = 1'-0"

11/02/2022
REVISED PER BCC
ELECTRICAL PLAN REVIEW

00 08/12/2022
FOR STATE PLAN REVIEW

REVISIONS

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DATE: 05/06/2022

SCALE:

ELECTRICAL FLOOR
PLAN & DETAILS

JOB No. 220180

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