

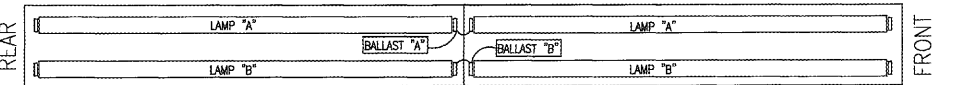
LIGHT FIXTURE SCHEDULE

Table with columns: FIXTURE TYPE, LAMP WATTS, OS LAMP DESCRIPTION, LAMP NUMBER, LAMP TYPE, BALLAST TYPE, TOTAL WATTS, VOLTS, MANUFACTURER, CATALOG NUMBER, DESCRIPTION. Includes items LM, XC, X7, O4, E1, EX, M2, U, UE, QZA, QZA1, QZA2, QZA3.

NOTE: NOT ALL FIXTURES USED ON THIS PROJECT.
LIGHT FIXTURES SHALL BE MANUFACTURED BY LITHONIA UNLESS NOTED OTHERWISE. PURCHASE FROM SYLVANIA AT THE NATIONAL CONTRACT PRICE. FOR PURCHASE, CONTACT SYLVANIA AT 1-800-573-1514 EXT. 0066. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES, RATINGS, LENGTHS, ETC. ANY DISCREPANCIES SHALL BE RESOLVED WITH SYLVANIA PRIOR TO BID. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITION TO THE BILL OF MATERIALS DUE TO LOCAL, STATE GOVERNMENTAL CODES.

LIGHT FIXTURE SCHEDULE NOTES

- 1. LIGHT FIXTURES AND LAMPS SHALL BE PURCHASED FROM SYLVANIA LIGHTING SERVICES CORP. LIGHTING DESIGN AND PROJECT MANAGEMENT DEPARTMENT, 200 MIDWAY PARK DRIVE, MIDDLETON, NY 10940 AT THE NATIONAL CONTRACT PRICE. FOR PURCHASE, CONTACT LISA EL MASTIN AT 1-800-573-1514 EXT. 0066 EMAIL: lsab.mastin@sylvanialighting.com. LED LIGHTS TO BE PURCHASED FROM POWER CONCEPTS, CONTACT NEIL CHAMBERLAIN (252) 723-9887 EMAIL: Neil.Chamberlain@gmail.com. ALL FIXTURES SHALL BE INSTALLED AND POWERED BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES, RATINGS, LENGTHS, ETC.



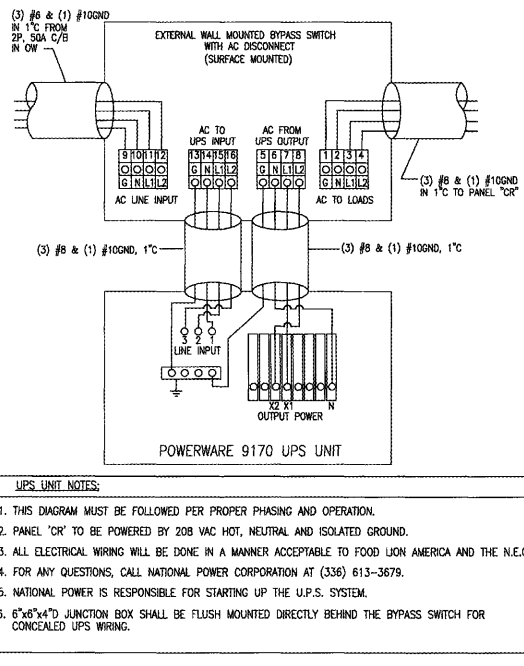
- 1. CONNECT BALLAST "A" TO ENERGY LOAD 1 (FACING REAR OF SALES AREA - RIGHT SIDE OF STORE)
- 2. CONNECT BALLAST "B" TO ENERGY LOAD 2 (FACING FRONT OF SALES AREA - LEFT SIDE OF STORE)
- 3. CONNECT EACH "X" OR "XS" FIXTURE SO THAT LAMPS "A" ARE CONTROLLED BY BALLAST "A" AND ARE LOCATED ON THE SAME SIDE IN EACH FIXTURE OF THE ROW (TYP. FOR LAMPS AND BALLAST "B").

1 MAIN SALES AREA LIGHTING WIRING DETAIL
E6.02 NTS

ELECTRICAL FEEDER SCHEDULE table with columns: FEEDER AMPACITY, NO. OF SETS, FEEDER CONDUCTOR SIZE (75°C), ALUMINUM CONDUCTORS (THWN), 3 PHASE CONDUCTORS AND GROUND, 3 PHASE CONDUCTORS, NEUTRAL, AND GROUND.

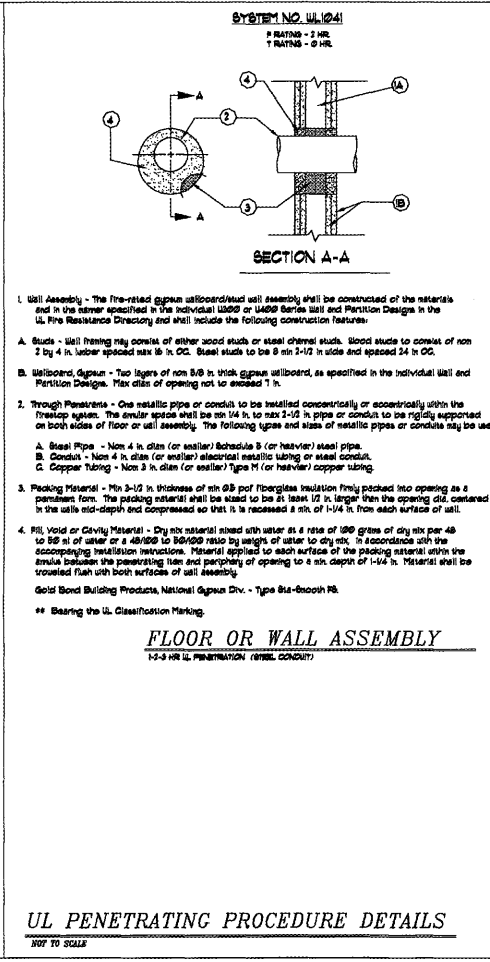
NOTES:
1.) SIZE BASED ON THE 2014 NEC EDITION. OTHER CONDITIONS MAY REQUIRE A LARGER CONDUIT, SIZED PER NEC.
2.) ALUMINUM WIRING ALTERNATE ACCEPTABLE FOR FEEDS TO MDP MAINS.
WHEN USING ALUMINUM ALTERNATE:
1.) THE SURFACE OF THE CONDUCTOR MUST BE WIRE-BRUSHED TO BREAK ANY ALUMINUM OXIDE BARRIER LEAVING A CLEAN SURFACE FOR CONNECTION.
2.) APPLY MANUFACTURER APPROVED ANTI-OXIDANT COMPOUND OR JOINT COMPOUND AT ALL ALUMINUM TERMINAL CONNECTIONS.
3.) ALL INTERIOR WIRING SHALL BE COPPER.

2 "UPS" UNIT WIRING DIAGRAM
E6.02 NTS



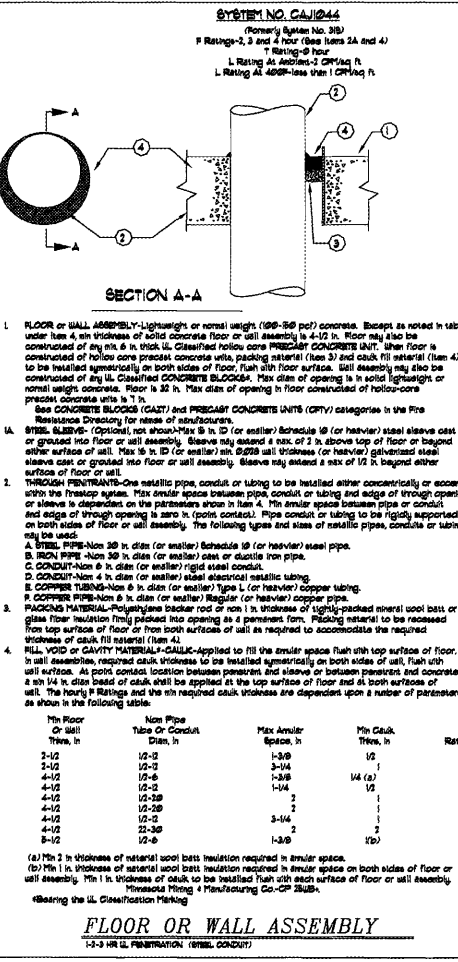
- 1. THIS DIAGRAM MUST BE FOLLOWED PER PROPER PHASING AND OPERATION.
- 2. PANEL "CR" TO BE POWERED BY 208 VAC HOT, NEUTRAL AND ISOLATED GROUND.
- 3. ALL ELECTRICAL WIRING WILL BE DONE IN A MANNER ACCEPTABLE TO FOOD LION AMERICA AND THE N.E.C.
- 4. FOR ANY QUESTIONS, CALL NATIONAL POWER CORPORATION AT (336) 613-3679.
- 5. NATIONAL POWER IS RESPONSIBLE FOR STARTING UP THE U.P.S. SYSTEM.
- 6. 6"x6"x4" JUNCTION BOX SHALL BE FLUSH MOUNTED DIRECTLY BEHIND THE BYPASS SWITCH FOR CONCEALED UPS WIRING.

FLOOR OR WALL ASSEMBLY
1/2-3 HR UL PENETRATING (RATED CONDUIT)



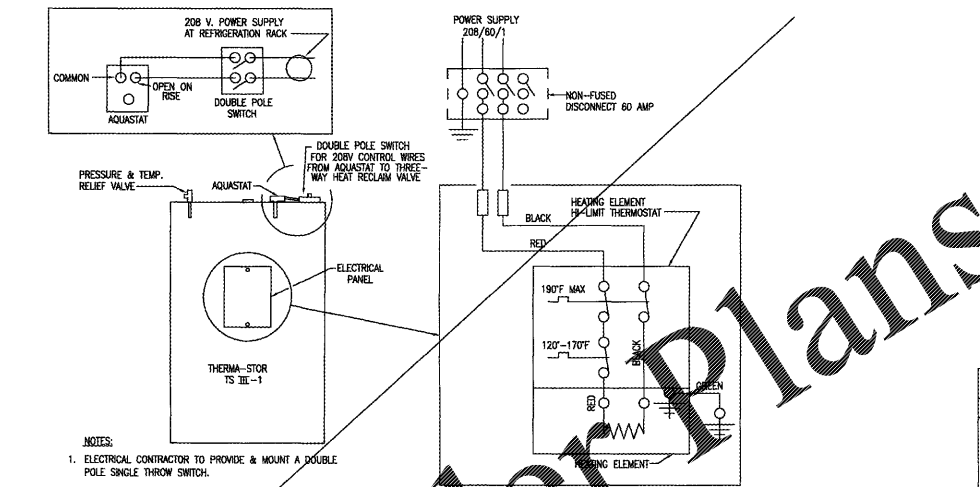
- 1. Wall Assembly - The fire-rated gypsum silico-calcium wall assembly shall be constructed of the materials and in the manner specified in the individual ULSP or ULWP Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs - Wall framing may consist of either steel studs or steel channel studs. Steel studs to consist of non 2 by 4 in. labor spaced max 16 in. OC. Steel studs to be 6 in 3-1/2 in wide and spaced 24 in OC.
B. Silico-calcium Gypsum - Two layers of non 5/8 in thick gypsum willboard, as specified in the individual Wall and Partition Designs. Max clear of opening not to exceed 1 in.
C. Through Penetrations - One metallic pipe or conduit to be installed concentrically or eccentrically within the framing system. The smaller space shall be max 1/4 in. to max 3-1/2 in pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
A. Steel Pipe - Non 4 in. dia (or smaller) Schedule 40 (or heavier) steel pipe.
B. Conduit - Non 4 in. dia (or smaller) electrical metallic tubing or steel conduit.
C. Copper Tubing - Non 3 in. dia (or smaller) Type M (or heavier) copper tubing.
D. Copper Pipe - Non 3 in. dia (or smaller) Schedule 40 (or heavier) steel pipe.
E. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
F. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
G. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
H. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
I. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
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O. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
P. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
Q. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
R. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
S. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
T. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
U. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
V. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
W. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
X. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
Y. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.
Z. Flexible Conduit - Non 4 in. dia (or smaller) flexible metallic conduit.

UL PENETRATING PROCEDURE DETAILS
REF TO S155



- 1. FLOOR OR WALL ASSEMBLY - Light weight or normal weight (150-250 pcf) concrete. Except as noted in table below use a min thickness of 4" concrete floor or wall assembly in 4-1/2 in. Floor may also be constructed of any min 8 in. thick U-Glassified hollow core PRECAST CONCRETE UNIT. When floor is constructed of hollow core precast concrete units, packing material (Type 3) and cast-in-place concrete (Type 4) to be installed symmetrically on both sides of floor, flush with floor surface. Wall assembly may also be constructed of any U-Glassified hollow core PRECAST CONCRETE UNIT. Max clear of opening in solid lightweight or normal weight concrete, floor is 12 in. Max clear of opening in floor constructed of hollow-core precast concrete units is 1 in.
- 2. THROUGH PENETRATIONS - One metallic pipe, conduit or tubing to be installed concentrically or eccentrically within the framing system. The smaller space between pipe, conduit or tubing and edge of through opening or sleeve is dependent on the penetration size in 4. A. Min smaller space between pipe or conduit and edge of through opening is zero in. (point contact). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
A. STEEL PIPE - Non 4 in. dia (or smaller) Schedule 40 (or heavier) steel pipe.
B. STEEL PIPE - Non 4 in. dia (or smaller) Schedule 40 (or heavier) steel pipe.
C. CONDUIT - Non 4 in. dia (or smaller) rigid steel conduit.
D. CONDUIT - Non 4 in. dia (or smaller) rigid steel conduit.
E. COPPER TUBING - Non 3 in. dia (or smaller) Type M (or heavier) copper tubing.
F. COPPER PIPE - Non 3 in. dia (or smaller) Schedule 40 (or heavier) steel pipe.
G. FLEXIBLE CONDUIT - Non 4 in. dia (or smaller) flexible metallic conduit.
H. FLEXIBLE CONDUIT - Non 4 in. dia (or smaller) flexible metallic conduit.
I. FLEXIBLE CONDUIT - Non 4 in. dia (or smaller) flexible metallic conduit.
J. FLEXIBLE CONDUIT - Non 4 in. dia (or smaller) flexible metallic conduit.
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FLOOR OR WALL ASSEMBLY
1/2-3 HR UL PENETRATING (RATED CONDUIT)



3 WIRING DETAIL FOR THERMA-STOR III-1 RECUM WATER HEATER
E6.02 NTS

- 1. ELECTRICAL CONTRACTOR TO PROVIDE & MOUNT A DOUBLE POLE SINGLE THROW SWITCH.

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