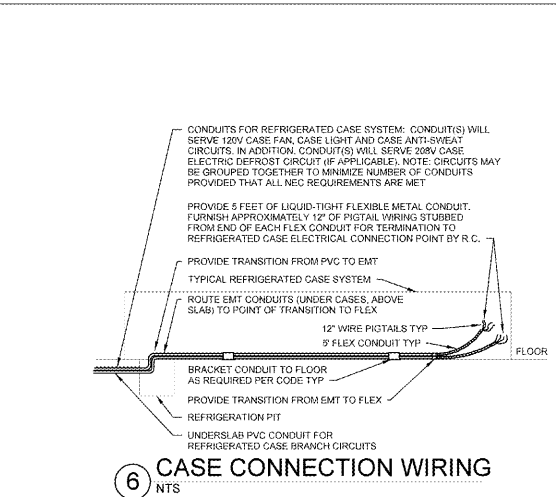


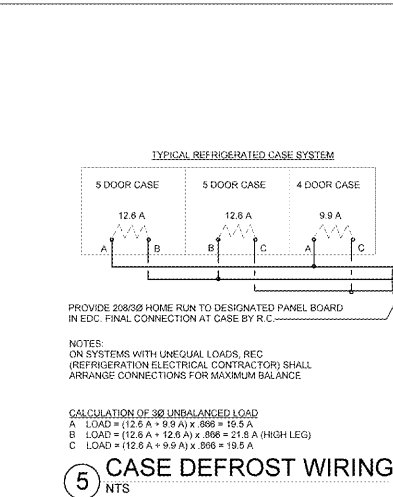
GENERAL REFRIGERATION NOTES
1. COORDINATE ALL WORK WITH REFRIGERATION CONTRACTOR (R.C.) PRIOR TO INSTALLATION.
2. REFRIGERATED CASES: PROVIDE CONDUIT AND WIRE FOR REFRIGERATED CASE FANS, LIGHTS, ANTI-SWEAT HEATERS, AND (IF APPLICABLE) ELECTRIC DEFROST. PROVIDE ADEQUATE CONDUIT LENGTH TO ALLOW TERMINATION, NEATLY BUNDLE CIRCUITS AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH BRANCH CIRCUIT DESIGNATION AND REFRIGERATION SYSTEM NUMBER FOR FINAL TERMINATION AT CASE BY R.C. REF CASE CONNECTION WIRING DETAIL.
3. WALK-IN UNITS: PROVIDE CONDUIT AND WIRE FOR EVAPORATOR COIL FANS (CF) AND (IF APPLICABLE) ELECTRIC DEFROST (ED). PROVIDE ADEQUATE CONDUIT LENGTH TO ALLOW TERMINATION, NEATLY BUNDLE CIRCUITS AND CLEARLY TAG AND LABEL EACH CIRCUIT WITH BRANCH CIRCUIT DESIGNATION AND REFRIGERATION SYSTEM NUMBER FOR FINAL TERMINATION AT COIL BY R.C. REF EVAPORATOR COIL WIRING DETAIL.
4. REFRIGERATED CASE WIRING COMPARTMENT REPRESENTED ON DRAWING BY RECTANGULAR BOX.
5. KEEP PENETRATIONS THROUGH COOLER AND FREEZER BOXES TO A MINIMUM. ROUTE ALL CONDUITS SERVING FREEZERS AND COOLERS ON INSIDE OF BOX.
6. UNDERSLAB CIRCUITS SHALL NOT BE ROUTED UNDER WALK-IN FREEZERS AND SHALL BE ROUTED ABOVE REFRIGERANT LINES WHERE THEY CROSS.
7. CIRCUITS FOR REFRIGERATED CASES SERVED BY OVERHEAD REFRIGERATION PIPING ARE TO BE ROUTED DOWN FROM STRUCTURE AT THE SAME LOCATION AS THE REFRIGERATION PIPING AND EXTENDED TO THE FIRST CASE IN EACH SYSTEM. WIRE AND CONDUIT FOR SLAVE WIRING BETWEEN CASES SHALL BE PROVIDED BY THE R.C.
8. ON GROUPS OF THREE OR MORE REFRIGERATED CASES WITH ELECTRIC DEFROST, R.C. SHALL CONNECT CASES TO CREATE A THREE-PHASE HEATER CIRCUIT. HEATER LOADS SHALL BE BALANCED BETWEEN PHASES AS EVENLY AS POSSIBLE. REF CASE DEFROST WIRING DETAIL.
9. ROUTE REFRIGERATED CASE AND COIL FAN, LIGHTS, ANTI-SWEAT AND DEFROST BRANCH CIRCUITS TO WIRERAYS PROVIDED AT REFRIGERATION EQUIPMENT.
10. CIRCUITS FOR REFRIGERATED CASES SERVED BY UNDERSLAB REFRIGERATION PIPING ARE TO BE ROUTED UNDERSLAB. REFER TO CASE CONNECTION WIRING DETAIL.
11. ALL UNDERSLAB CONDUITS SHALL BE 3/4" MINIMUM.
12. PROVIDE A SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT SERVING REFRIGERATED CASES OR WALK-IN UNITS.

KEYNOTES
16.708 PROVIDE WIRING AND FINAL CONNECTIONS TO RECEPTACLE. RECEPTACLE FURNISHED WITH REFRIGERATED CASE.
16.710 BUILDING AUTOMATION CONDUITS: PROVIDE 1" (UNLESS NOTED OTHERWISE) CONDUIT (WITH PULL WIRE) ROUTED FROM 6" ABOVE BOTTOM OF BAR JOIST TO SALES FLOOR ACCESSIBLE CEILING SPACE THROUGH PVC CHASE.
16.711 POINT OF TRANSITION FROM EMT TO FLEX PROVIDE CONDUIT AND BRANCH CIRCUITS FOR REFRIGERATED CASE FANS, LIGHTS, ANTI-SWEAT HEATERS, AND ELECTRICAL DEFROST (IF REQUIRED). TERMINATION TO REFRIGERATED CASE ELECTRICAL CONNECTION POINT BY R.C. REFER TO CASE CONNECTION WIRING DETAIL.
16.714 COOLER DOORS: PROVIDE WEATHERPROOF JUNCTION BOX FOR DOOR FRAME POWER. FINAL CONNECTION BY R.C.
16.716 SLAVE WIRING BETWEEN REFRIGERATED CASES BY WIRERAY PROVIDED BY REFRIGERATION CONTRACTOR.
16.717 BUILDING AUTOMATION CONDUITS: PROVIDE RECESSED JUNCTION BOX WITH COVER PLATE FOR DIRECT CONDUIT CONNECTION AT 45° (UNLESS NOTED OTHERWISE). PROVIDE 3/4" CONDUIT (WITH PULL WIRE) FOR LOW VOLTAGE CABLES FROM JUNCTION BOX TO 6" ABOVE BOTTOM OF BAR JOIST IN SALES FLOOR ACCESSIBLE CEILING SPACE.
16.719 BUILDING AUTOMATION CONDUITS: PROVIDE 1" (UNLESS NOTED OTHERWISE) PVC CONDUIT (WITH PULL WIRE) UNDER FLOOR SLAB FOR LOW VOLTAGE CABLES. STUB CONDUIT THROUGH PIT SIDEWALLS A MINIMUM OF 2" WHERE UNDERSLAB CONDUIT IS SHOWN CONTINUING UP IN WALL ADJACENT TO PIT. PROVIDE 1" CONDUIT (WITH PULL WIRE) ROUTED FROM 6" ABOVE BOTTOM OF BAR JOIST IN SALES FLOOR ACCESSIBLE CEILING SPACE AND CONNECT TO PVC CONDUIT STUBBED THROUGH PIT WALL.
16.723 REFRIGERATION BUILDING AUTOMATION SYSTEM CONTROLLER PROVIDED BY BAS CONTRACTOR. ALL 120VAC FINAL TERMINATIONS AT ENCLOSURE BY R.C. VERIFY EXACT LOCATION OF ENCLOSURE WITH BAS CONTRACTOR.

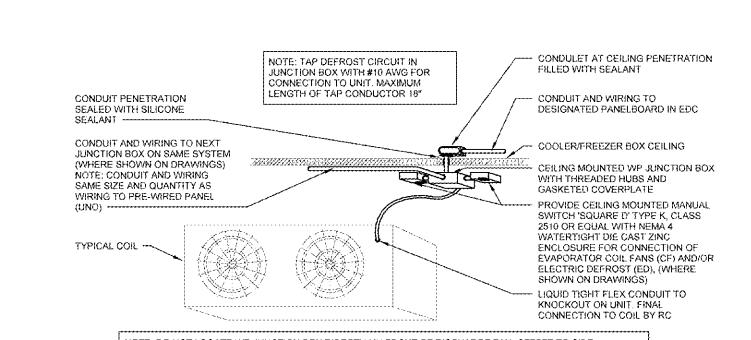
ALL CONDUITS INSTALLED ON TOP OF WALK-IN COOLERS AND FREEZERS SHALL BE A MINIMUM OF 1" FROM ANY EDGE TO ALLOW SPACE FOR EDGE PROTECTION NETTING. DO NOT ROUTE CONDUITS ABOVE THE CEILING GRID ACCESS UNLESS CONDUITS ARE INSTALLED IN JOIST SPACE. REF ARCH



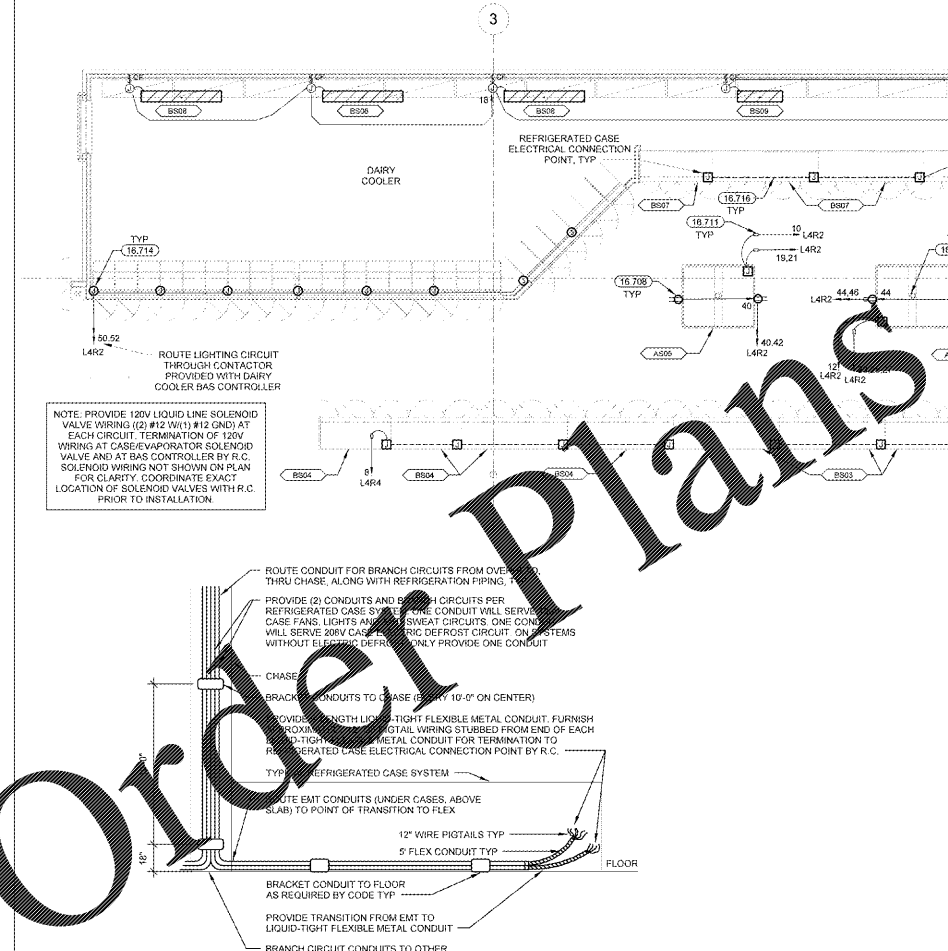
3 CASE CONNECTION WIRING NTS



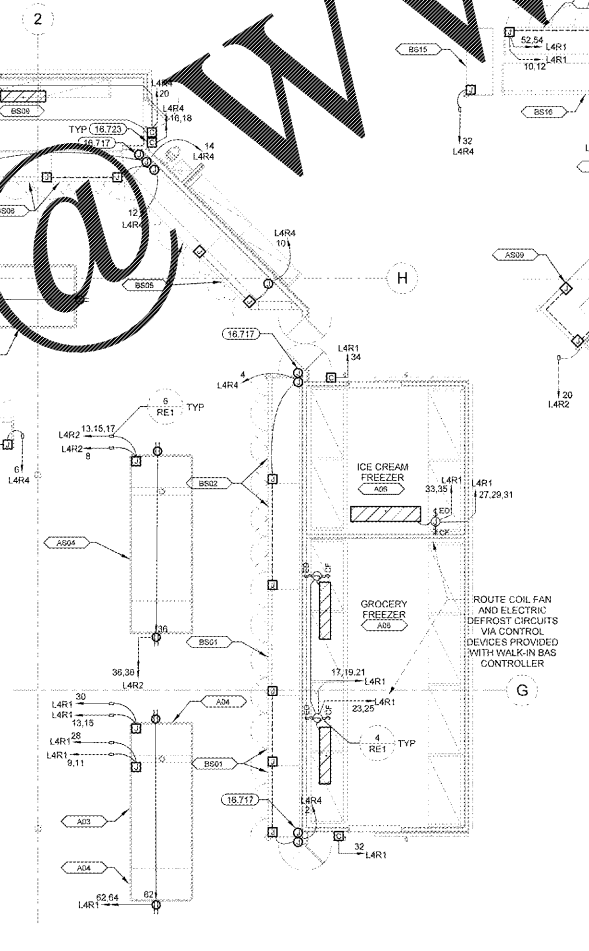
5 CASE DEFROST WIRING NTS



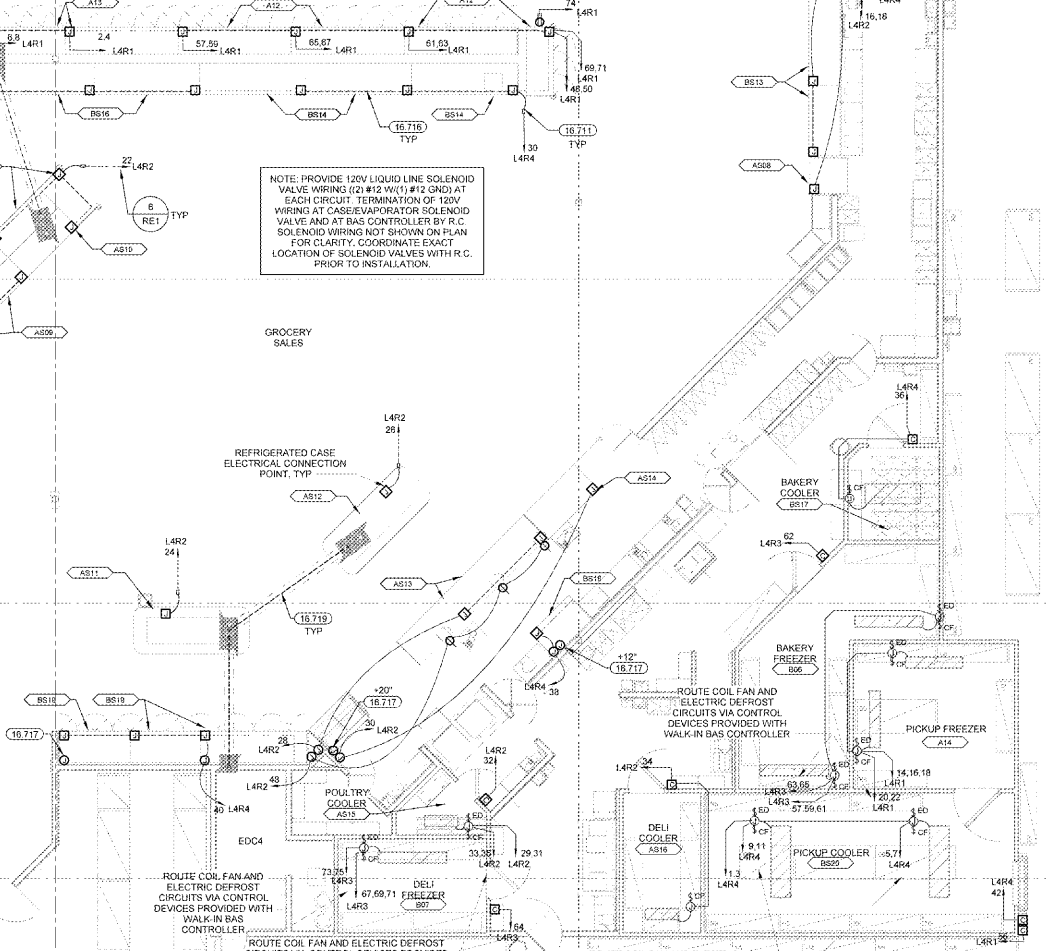
4 EVAPORATOR COIL WIRING NTS



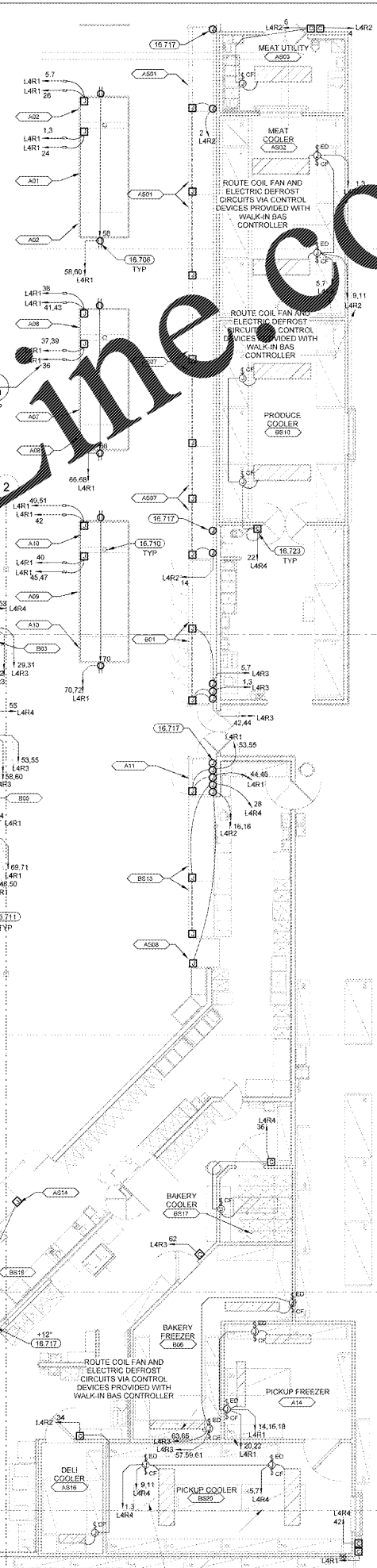
3 CASE CONNECTION WIRING NTS



2 REAR REFRIGERATION ELECTRICAL PLAN 1/8" = 1'-0"



1 FRONT REFRIGERATION ELECTRICAL PLAN 1/8" = 1'-0"



RETAIL DESIGN COLLABORATIVE

CONSULTANTS: **Randall C. Harris**

Walmart
LEESBURG, VIRGINIA
STORE NO. 1804
JOB NUMBER: 118926 PHOTO: 189 SGL-OL

ISSUE BLOCK: 11/30/17 / OTB

CHECKED BY: SAG
DRAWN BY: GAR
FILE NAME: RE1
PROTO CYCLE: 04/28/17
DOCUMENT DATE: 09/13/17

BID SET NOT FOR CONSTRUCTION

REFRIG ELECTRICAL PLAN

SHEET: RE1