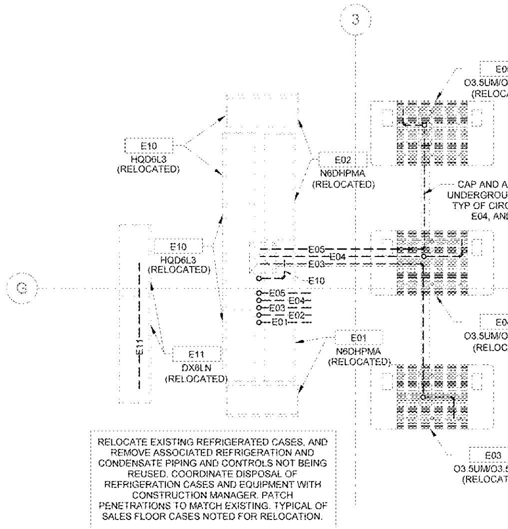
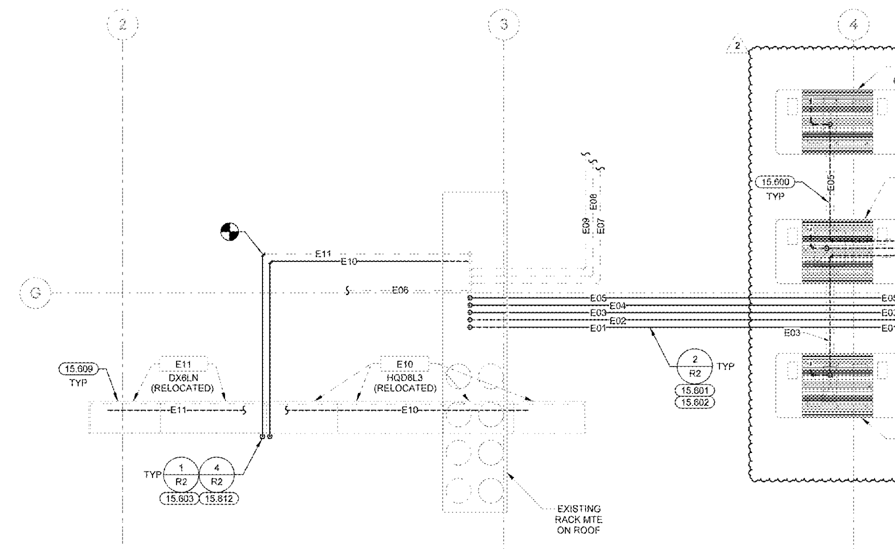
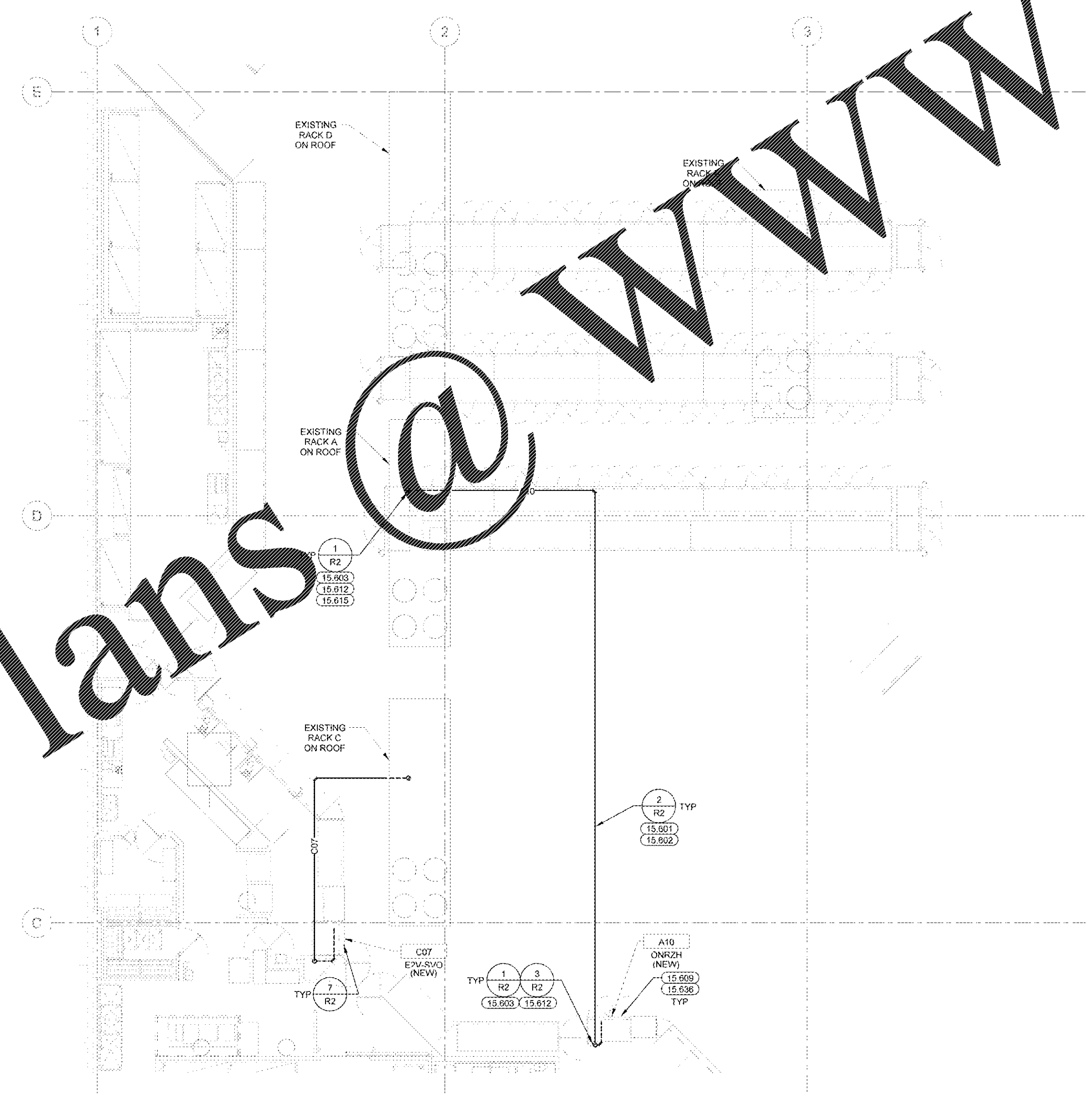


3 REAR REFRIGERATION DEMO PLAN
1/8" = 1'-0"



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



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

KEYNOTES

15.600 REFRIGERATION LINES IN PVC PIPE BELOW FLOOR.

15.601 SLOPE REFRIGERATION LINES BACK TO COMPRESSORS AT 1" PER 20' OF RUN. LOCATE HIGHEST POINT OF REFRIGERATION LINES JUST BELOW BOTTOM CHORD OF JOIST OR BEAM. COORDINATE ELEVATION TO AVOID CONFLICTS WITH DUCTWORK, LIGHTING, ETC.

15.602 SUPPORT HORIZONTAL RUNS OF REFRIGERATION LINES ON 1-5/8" x 1-5/8" UNISTRUT CHANNELS ON MAXIMUM OF 6 FOOT CENTERS.

15.603 AT ALL POINTS WHERE SUCTION LINES RISE, PROVIDE A SUCTION LINE TRAP AT THE BASE OF THE RISER.

15.609 PROVIDE PVC DRAIN LINE FROM EACH CASE DRAIN CONNECTION SAME SIZE AS CASE OUTLET, AND END OVER FLOOR DRAIN W/AIR GAP; PITCH DRAINS 1" PER 10'.

15.612 PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF THE SUCTION LINE RISER.

15.615 UTILIZE EXISTING ROOF OPENING AS INDICATED WHEN POSSIBLE. IF LARGER OPENING IS REQUIRED REINFORCE ROOF STRUCTURE AS NECESSARY, CUT THE ROOF FOR THE REFRIGERATION PIPE PENETRATION, AND SUPPLY THE PIPE PENETRATION RAIN HOOD. PROPERLY FLASH, PATCH, AND REPAIR ROOF AS REQUIRED FOR NEW PENETRATION. SEAL THE ROOF OPENING WITH FOAM AS SOON AS THE PIPING THROUGH THE ROOF OPENING IS COMPLETE.

15.636 REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL LIQUID LINE SOLENOID, EVAPORATOR PRESSURE REGULATOR, AND FULL PORT ISOLATION VALVES IN A SERVICE ACCESSIBLE LOCATION INSIDE CASE DRAIN PAN.

2 ADD KEYNOTE 15.636

2 REMOVE KEYNOTE 15.618

1 SHEET ADDED TO SET

GENERAL NOTES

1. PLAN INDICATES GENERAL ROUTING OF REFRIGERANT LINES, WITH A SINGLE LINE SHOWN INDICATING BOTH SUCTION AND LIQUID LINE ROUTING FOR EACH SYSTEM.
2. REFRIGERATION SYSTEM INSTALLATION SHALL BE IN COMPLETE CONFORMANCE WITH SPECIFICATIONS, AND WITH ALL REQUIREMENTS OF REFRIGERATION EQUIPMENT MANUFACTURER.
3. REFRIGERATION DRAWINGS ARE PROVIDED AS AN AID TO BIDDERS AND TO INDICATE DESIRED ROUTING OF REFRIGERATION LINES; CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION OF PIPING AND ACCESSORIES TO PROVIDE A COMPLETE AND FULLY OPERATING SYSTEM.
4. PRIOR TO OPENING ANY RACK SYSTEMS TO ADD OR REPLACE CASES, EVAPORATORS, ETC, INSTALL NEW SUCTION FILTER IN THE SUCTION LINE CANISTER. THEN 24 TO 48 HOURS AFTER THE WORK IS COMPLETE AND ALL FINAL ADJUSTMENTS HAVE BEEN MADE, PROVIDE AND INSTALL LIQUID LINE FILTER CORES, OIL SYSTEM FILTER USING SPORLAN OF STYLE FILTER, AND SUCTION FILTERS. FILTERS ARE TO BE RATED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED.
5. REFER TO SPECIFICATION 15600 FOR INSULATION THICKNESS. INSIDE DIAMETER OF INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED INSULATION FITTINGS AT ALL TRAPS, ELBOWS, AND TEES. INSULATE VALVES AND REDUCERS WITH FIELD FABRICATED INSULATION FITTINGS PER MANUFACTURER'S INSTRUCTIONS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE, MITER CUT FITTINGS SHALL BE USED WITH OWNER'S MECHANICAL CONSTRUCTION MANAGER APPROVAL.
6. PIPE INSULATION SHALL BE BLACK. REFER TO SPECIFICATION 15600.
7. INSTALL PIPE INSULATION IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
8. FREEZER WALK-INS AND LOW TEMP CASE PENETRATIONS REQUIRE THE HOLE TO BE PATCHED WITH 26 GAUGE GALVANIZED SHEET METAL TRIM, FOAM SEALED AND TRIMMED FLUSH, THEN COATED WITH SILICONE SEALANT ON BOTH THE INSIDE AND OUTSIDE OF THE BOX.
9. COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.
10. REFRIGERATION SYSTEM SHALL REMAIN OPERATIONAL DURING REMODELING. DURING THE PHASING OF OLD TO NEW SYSTEMS, BOTH NEW AND OLD REFRIGERATION SYSTEMS MAY BE REQUIRED TO OPERATE AT THE SAME TIME FOR A SHORT PERIOD.
11. WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION, REMOVAL, AND TEMPORARY STORAGE OF OLD EQUIPMENT PER WALMART MECHANICAL CONSTRUCTION MANAGER'S INSTRUCTIONS. AND REFRIGERATION DEMO NOTES. REFER TO ARCHITECTURAL.
12. COORDINATE REMOVAL AND DISPOSAL OF EXISTING REFRIGERATION EQUIPMENT, EVAPORATORS AND REFRIGERATED CASES WITH WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER.
13. REMOVE COPPER LINES, EVAPORATORS, AND CONDENSATE LINES FROM COOLERS/FREEZERS BEING REMOVED FROM SITE.
14. COOLER/FREEZER BOX MANUFACTURER SHALL PROPERLY PREPARE ALL COOLER/FREEZER PANELS, GLASS DOORS, SLIDER OR SWING DOORS, PALLETIZE, AND PREPARE THE EQUIPMENT TO SHIP OFF SITE.
15. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL AND REPLACEMENT OF SPRINKLERS FOR ALL REMOVED COOLER/FREEZER BOXES.
16. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES ELECTRICAL WIRING DEVICES.
17. COORDINATE WITH EMS CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES EMS WIRING AND DEVICES.
18. EXISTING REFRIGERATION PIPING MAY BE RE-USED. RE: REFRIGERATION LEGENDS FOR PIPE SIZE REQUIREMENTS.
19. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
20. REFERENCE REFRIGERATION SCHEDULE FOR EVAPORATOR PRESSURE REGULATORS AND LIQUID LINE SOLENOID VALVES TO BE REPLACED IF APPLICABLE.
21. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK BY REFRIGERATION CONTRACTOR.
22. AT ANY WALK-INS BEING REPLACED, CONTRACTOR SHALL SALVAGE EXISTING DATA REPEATER AND TURN-OVER TO STORE MANAGER FOR STORAGE. RE-INSTALLATION BY WALMART BUILDING CONTROLS.

SEPARATE CONTRACTOR IS RESPONSIBLE FOR RE-SKIN OF EXISTING REFRIGERATED CASES TO REMAIN.

NOTE: ALL WORK ON THIS SHEET IS TO BE COMPLETED BY A WAL-MART APPROVED CONTRACTOR.

NOTE: REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR ALL FINAL REFRIGERATION ELECTRICAL TERMINATIONS TO REFRIGERATION EQUIPMENT.

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS, OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND E-MAIL TO NSRM@WALMART.COM. THE E-MAIL SHALL STATE WHAT, WHY, AND WHEN IT IS BEING SHUT DOWN AND HOW LONG IT IS ANTICIPATED TO BE DOWN. THEN SEND A FOLLOW UP E-MAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

RET DES CO
RETAIL DESIGN COLLABORATIVE
rdcollaborative.com

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: GORDONSVILLE, VA CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 041018 AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

CONSULTANTS
William R. Kraner P.E.
1805 N 2ND ST ROGERS, AR 72756
479-636-5004 800-321-8721
JOB NO.: 19532 DESIGNED BY: ROP

Walmart
GORDONSVILLE, VA
164 CAMP CREEK PKWY, LOUISA, VA 23093
STORE NO: 4682-223
JOB NUMBER: 17-127.25 PROTO: 143 SGR-OR
Remodel Proto

ISSUE BLOCK

1	REV #1	04/16/18
2	REV #2	04/25/18

CHECKED BY:	WRK
DRAWN BY:	ROP
PROTO CYCLE:	02/23/18
DOCUMENT DATE:	041018
BG PROJECT NO:	19532

This document originally issued and sealed by William Robert Kraner, P.E. #0402050648 on 04/25/2018. This document should not be considered a certified document. NOT FOR CONSTRUCTION

REFRIGERATION PLANS

SHEET: R1

Order Plans @ WWW.LDILine.com