

SEISMIC NOTES

REFER TO SEISMIC RESTRAINT SHEET SRT FOR INSTALLATION DETAILS. REFER TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

PIPING SYMBOLS

- MODIFY CIRCUIT
NEW CASE, COIL, CIRCUIT OR VALVE
CHANGE EXISTING PIPE SIZE AS INDICATED
RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED...

CONDENSING UNIT GENERAL NOTES

- INSTALL CONDENSING UNIT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INSTALLATION REQUIREMENTS AND ADDITIONAL INFORMATION.
CONTRACTOR SHALL FURNISH AND INSTALL LIQUID LINE SOLENOID VALVE CONTROLLED VIA FACTORY INSTALLED CASE CONTROLLER...

REFRIGERATION SYMBOLS

- CIRCUIT NUMBER (CIRCUIT INFO)
CLEANOUTS (CO)
CONDENSATE DRAIN LINE (CD)
CONNECT TO EXISTING
CONTINUATION
DETAIL NUMBER
SHEET NUMBER (DETAIL REFERENCE)
EVAPORATOR COIL
ISOLATION VALVE
ELBOW - TURNED DOWN
ELBOW TURNED UP
REFRIGERATION KEYNOTE REFERENCE
REFRIGERATION PIPING (ABOVE)
REFRIGERATION PIPING (BELOW)
EXISTING TO REMAIN
TYPICAL

KEYNOTES

- 15.601 SLOPE REFRIGERATION LINES FROM TOP OF COMPRESSORS AT 1" PER 20' OF RUN TO HIGHEST POINT OF REFRIGERATION LINES BELOW BOTTOM OF 20' OF CAST IRON BEAM COORDINATE ELEVATION TO AVOID CONFLICTS WITH MECHANICAL WORK, LIGHTS, ETC.
15.602 ALL HORIZONTAL REFRIGERATION LINES SHALL BE INSTALLED IN UNISTRUT CHANNELS ON 15' MAXIMUM SPACING.
15.603 AT ALL POINTS VALVE SUCTON LINES RISE, PROVIDE SUCTON LINE TRAP AT THE BASE OF THE LINE.
15.604 PROVIDE 1/2" PVC DRAIN LINE FROM EACH CASE DRAIN CONNECTION SAME SIZE AS CASE DRAIN, END OVER FLOOR RECEPTOR WITH 1/4" DRAIN 1" PER 12" PROVIDE DRAIN COVER GRATE TO MATCH EXISTING. CONTRACTOR SHALL ENSURE RECEPTOR(S) AND DRAIN LINE(S) SERVING CASE LINE-UP ARE FREE OF OBSTRUCTIONS AND FUNCTION PROPERLY. WHERE EXTENSIVE DAMAGE EXISTS AND/OR PROPER DRAINAGE CANNOT BE OBTAINED COORDINATE WITH WALMART MECHANICAL CONSTRUCTION MANAGER.
15.610 PROVIDE 0.02" PVC JACKET ON ALL REFRIGERATION LINES EXTERIOR TO BUILDING PROVIDE INTERMEDIATE TRAP IN WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF ANY SECTION LINE RISE WHICH EXCEEDS 8 FEET. REPLACE EXISTING SUCTON RISER. REFER TO PIPING SCHEDULE FOR SIZE.
15.611 COORDINATE REFRIGERATION LINE PENETRATION THROUGH ROOF REINFORCE ROOF STRUCTURE AS NECESSARY. CUT ROOF OPENING FOR THE REFRIGERATION PIPE PENETRATION AND SUPPLY ROOF CURB WITH WEATHERTIGHT SHEETMETAL COVER. PROPERLY FLASH, PATCH, AND REPAIR ROOF AS REQUIRED FOR NEW PENETRATION. COORDINATE EXACT SIZE AND LOCATION OF ROOF PENETRATIONS WITH STRUCTURAL DRAWINGS.
15.621 REFRIGERATION CONTRACTOR SHALL RECEIVE, SET EQUIPMENT IN PLACE, LEVEL, AND START-UP OWNER'S SELF-CONTAINED REFRIGERATED EQUIPMENT. INSTALLATION AND START-UP SHALL BE IN STRICT CONFORMANCE WITH THE EQUIPMENT MANUFACTURER'S WRITTEN INSTALLATION AND START-UP INSTRUCTIONS. CONTRACTOR SHALL VERIFY CASE OPERATION AND NOTIFY WALMART MECHANICAL CONSTRUCTION MANAGER IF EQUIPMENT IS NOT OPERATING PROPERLY.
15.625 ROUTE REFRIGERATION LINES IN BASE OF CASE FOR ALL BOTTOM FED CONNECTED CASES. SLOPE BACK TO COMPRESSOR AT 1" PER 20'-0" OF RUN.
15.635 REFRIGERATION CONTRACTOR SHALL INSTALL REFRIGERATION MANUFACTURER-FURNISHED LIQUID LINE SOLENOID VALVE AND EVAPORATOR PRESSURE REGULATOR ON A SERVICE ACCESSIBLE LOCATION INSIDE CASE DRAIN PAN. CONTRACTOR SHALL FURNISH AND INSTALL FULL PORT ISOLATION BALL VALVE IN A SERVICE ACCESSIBLE LOCATION INSIDE CASE DRAIN PAN. INSTALL CONTROL WIRING FROM VALVES BACK TO CASE OR RACK CONTROLLER. REFER TO REFRIGERATION SUBMITTALS/SCHEDULES AND BAS PLANS FOR EXACT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ASSET TAGGING REQUIREMENTS.
15.637 REFRIGERATION CONTRACTOR SHALL INSTALL REFRIGERATION MANUFACTURER-FURNISHED LIQUID LINE SOLENOID VALVE IN A SERVICE ACCESSIBLE LOCATION AT CASE EVAPORATOR. INSTALL CONTROL WIRING FROM SOLENOID VALVE BACK TO CIRCUIT CONTROLLER OR CONDENSING UNIT. REFER TO REFRIGERATION SUBMITTALS/SCHEDULES AND BAS PLANS FOR EXACT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ASSET TAGGING REQUIREMENTS.

EPA CLEAN AIR ACT

COMPLY WITH CLEAN AIR ACT, TITLE VI, SECTION 608 AND CODE OF FEDERAL REGULATION TITLE 40, PART 82 WHEN ADDING OR REMOVING REFRIGERATED EQUIPMENT. RECORD ALL EQUIPMENT IDENTIFICATION NUMBERS, MODEL AND SERIAL NUMBERS, THE AMOUNT OF REFRIGERANT RECOVERED FROM EACH UNIT, THE DATE OF DECOMMISSIONING, COMPANY NAME AND SIGNATURE OF ON-SITE SUPERVISOR.

GENERAL NOTES

- PLAN INDICATES GENERAL ROUTING OF REFRIGERANT LINES WITH A SINGLE LINE SHOWN INDICATING BOTH SUCTION AND LIQUID LINE ROUTING FOR EACH SYSTEM.
REFRIGERATION SYSTEM INSTALLATION SHALL BE IN COMPLETE CONFORMANCE WITH SPECIFICATIONS, AND WITH ALL REQUIREMENTS OF REFRIGERATION EQUIPMENT MANUFACTURER.
REFRIGERATION DRAWINGS ARE PROVIDED AS AN AD TO SPECIFICATIONS TO INDICATE DESIRED ROUTING OF REFRIGERANT LINES. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR CORRECT INSTALLATION AND ACCESSORIES TO PROVIDE COMPLETE AND FULLY OPERATING SYSTEM.
REFER TO SPECIFICATION 15600 FOR INSULATION AND TO SPECIFICATION 15602 FOR INSULATION SHALL MATCH PIPE DIAMETER TO MINIMIZE AIR GAPS BETWEEN PIPING AND INSULATION. PROVIDE FACTORY PRE-MANUFACTURED FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN INSULATION SEGMENTS.
PIPE INSULATION SHALL BE BLACK REGARDLESS OF EXISTING INSULATION COLOR.
COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.
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.
WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION, REMOVAL, AND TEMPORARY STORAGE OF OLD EQUIPMENT PER OWNER'S MECHANICAL SERVICES CONSTRUCTION MANAGER'S INSTRUCTIONS, AND REFRIGERATION DEMO NOTES.
COORDINATE REMOVAL AND DISPOSAL OF EXISTING EVAPORATORS, REFRIGERATED CASES, AND CONDENSING UNITS, WITH OWNER'S MECHANICAL SERVICES CONSTRUCTION MANAGER.
REMOVE COPPER LINES, EVAPORATORS, AND CONDENSATE LINES FROM COOLERS/FREEZERS BEING REMOVED FROM SITE. COORDINATE WITH WALK-IN PANEL VENDOR FOR TIME LINE OF REPLACEMENT. REFER TO SPECIFICATION FOR CONTACT INFORMATION.
WALK-IN PANEL VENDOR SHALL PROPERLY PREPARE ALL COOLER/FREEZER PANELS, GLASS DOORS, SLIDER OR SWING DOORS, PALLETIZE, AND PREPARE THE EQUIPMENT TO SHIP OFF SITE.
COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL OF SPRINKLERS FOR ALL REMOVED COOLER/FREEZER BOXES.
COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES ELECTRICAL WIRING DEVICES.
COORDINATE WITH EMS CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES EMS WIRING AND DEVICES.
EXISTING REFRIGERATION PIPING MAY BE RE-USED UNLESS OTHERWISE NOTED ON PLANS. REFER TO SCHEDULES FOR PIPE SIZE REQUIREMENTS.
BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
IF ANY RACK SYSTEMS WILL BE OPENED TO ADD OR REPLACE CASES, EVAPORATORS, ETC. THEN 24 TO 48 HOURS AFTER THE WORK IS COMPLETED AND ALL FINAL ADJUSTMENTS HAVE BEEN MADE, PROVIDE AND CHANGE LIQUID LINE FILTER CORES, OIL SYSTEM FILTER USING SPORLAN OF STYLE FILTER, AND REPLACE SUCTON FILTERS. FILTERS ARE TO BE RAISED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED. REFER TO SPECIFICATION 15600.
REFER TO GROCERY ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK BY REFRIGERATION CONTRACTOR.
INSTALL ASSET TAGS ON ALL NEW REFRIGERATED CASES AND COMPLETE THE DATA COLLECTION INFORMATION. DELETE DEMOED ASSETS FROM ASSET TAGGING APPLICATION. REFER TO SPECIFICATIONS.
UPON START-UP OF ALL NEW REFRIGERATED EQUIPMENT, REFRIGERATION CONTRACTOR SHALL REQUEST THE BUILDING PERFORMANCE REPORT FOR ALL RACKS AND SUCTON GROUPS WHERE WORK IS PERFORMED. ANY DEVIATIONS NOTED ON THE REPORT MUST BE CORRECTED PRIOR TO PROJECT CLOSE OUT. REQUEST VIA EMAIL AT B.PTEAM@WAL-MART.COM

PIPING SCHEDULE SYSTEM RACK C

Table with 5 columns: PIPE DESIGNATION, HORIZONTAL SUCTON, VERTICAL SUCTON RISER AS REQUIRED, LIQUID, ESTIMATED TOTAL LENGTH**

* RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

**ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

Updated 11/24/2020

PIPING SCHEDULE SYSTEM RCU1

Table with 5 columns: PIPE DESIGNATION, HORIZONTAL SUCTON, VERTICAL SUCTON RISER AS REQUIRED, LIQUID, ESTIMATED TOTAL LENGTH**

* RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

**ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

Updated 11/19/2020

PIPING SCHEDULE SYSTEM RCU2

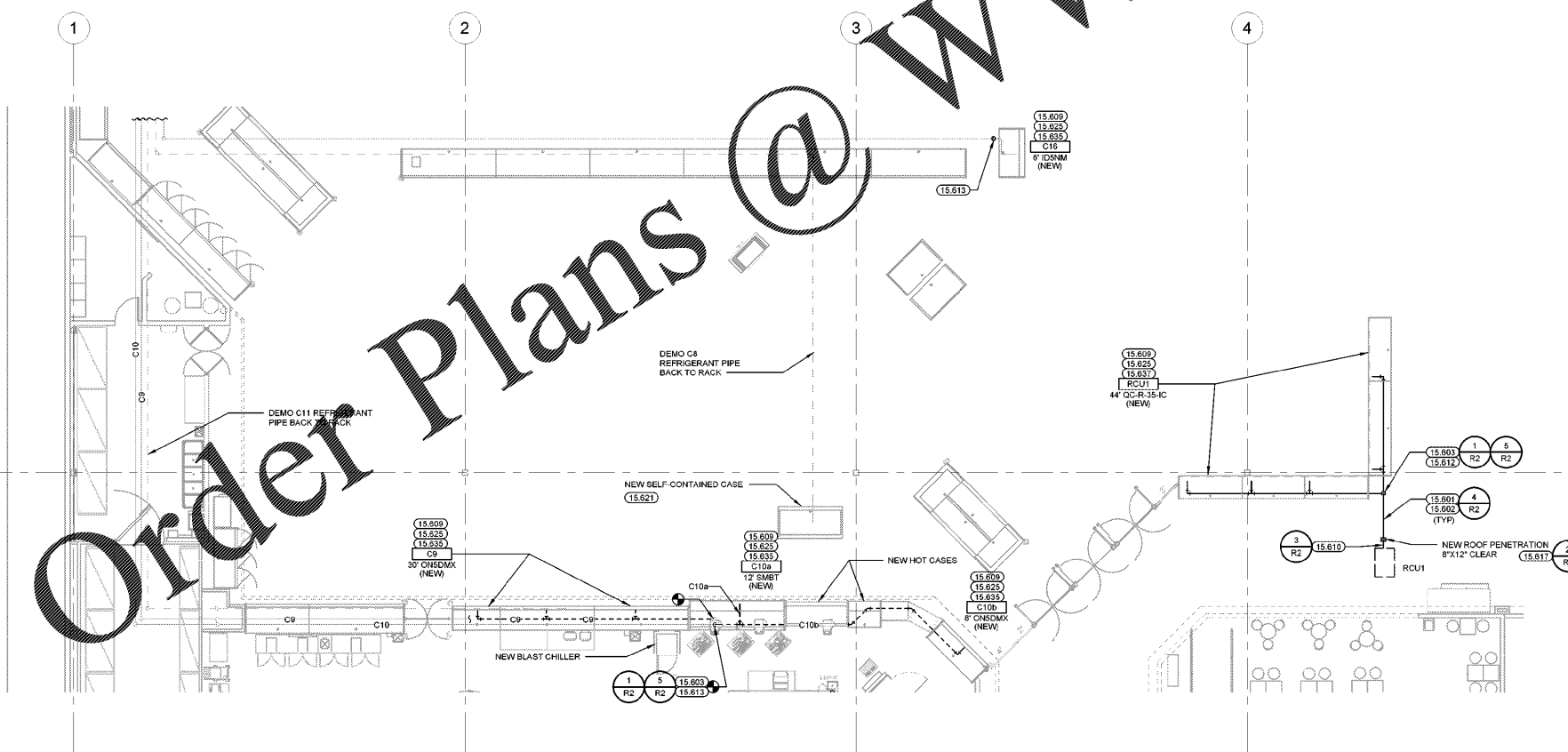
Table with 5 columns: PIPE DESIGNATION, HORIZONTAL SUCTON, VERTICAL SUCTON RISER AS REQUIRED, LIQUID, ESTIMATED TOTAL LENGTH**

* RISER SIZE IS SHOWN EVEN WHERE A RISER IS NOT EXPECTED. THIS IS FOR REFERENCE ONLY AND TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.

**ESTIMATED TOTAL LENGTH INCLUDES HORIZONTAL AND VERTICAL PIPE SECTIONS. THIS IS ONLY AN ESTIMATE AND ACTUAL LENGTH WILL VARY.

Updated 11/19/2020

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



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

PRIOR TO INSTALLING ANY EQUIPMENT OR ADJUSTING RACK PARAMETERS, REFRIGERATION CONTRACTOR SHALL REQUEST A SUCTON OR RECEPTOR FOR ALL RACKS AND SUCTON GROUPS WHERE WORK IS PERFORMED. REQUEST VIA EMAIL AT B.PTEAM@WAL-MART.COM

REFERENCE ARCHITECTURAL DRAWINGS FOR ALL NEW CASES BEING INSTALLED FOR CONNECTION LOCATION OF UTILITIES (TOP FED VS BOTTOM FED)
SEPARATE CONTRACTOR IS RESPONSIBLE FOR RE-SKIN OF EXISTING REFRIGERATED CASES TO REMAIN.

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.

brr ARCHITECT OF RECORD: DOWN P. FRANK 8311 MEDINA AVENUE OVERLAND PARK, KS 66204

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ISSUE BLOCK table with columns for issue number, description, and date.

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NOT FOR CONSTRUCTION

FRONT REFRIGERATION PLAN

SHEET: R1