CONDENSING UNIT GENERAL NOTES

CX-10.11.20

1. INSTALL CONDENSING UNIT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR INSTALLATION REQUIREMENTS AND ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL INSTALL CONDENSING UNIT MANUFACTURER FURNISHED LIQUID LINE SOLENOID VALVE CONTROLLED VIA FACTORY INSTALLED CASE CONTROLLER (LOCATED AT CASE).

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. THIS IS FOR REFERENCE ONLY AND IS TO BE USED IN THE EVENT THAT A PIPING CONFLICT CAUSES THE NEED FOR A RISER. IF THE RISER LENGTH EXCEEDS 4 FEET, IT MUST BE APPROVED BY ENGINEER OF RECORD.
#	CONTRACTOR TO FIELD VERIFY EXISTING RISER SIZE. IF EXISTING PIPE SIZE DOES NOT MATCH SCHEDULE, REPLACE EXISTING RISER WITH NEW SIZE AS SHOWN.

24 HOURS PRIOR TO SHUTTING DOWN ANY REFRIGERATION SYSTEMS, HVAC SYSTEMS OR ENERGY MANAGEMENT CONTROLS SYSTEMS, SEND EMAIL 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 SHUT DOWN. THEN SEND A FOLLOW UP EMAIL TO NSRM@WALMART.COM AFTER THE WORK IS COMPLETE AND THE SYSTEM IS BACK UP AND RUNNING.

REFRIGERATION SYMBOLS

10.12.17

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

KEYNOTES

15.601 SLOPE REFRIGERANT 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, SKYLIGHTS, ETC.

15.602 SUPPORT HORIZONTAL RUNS OF REFRIGERANT 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 RECEPTOR W/AIR GAP; PITCH DRAINS 1" PER 10'. 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 0.020" PVC JACKET ON ALL REFRIGERATION LINES EXTERIOR TO BUILDING.

15.612 PROVIDE INTERMEDIATE SUCTION LINE TRAP IN WALL OR VOID SPACE. INTERMEDIATE TRAP SHOULD BE PLACED AT THE MIDPOINT OF ANY SUCTION LINE RISE WHICH EXCEEDS 16 FEET.

15.617 COORDINATE REFRIGERATION LINE PENETRATIONS 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.

15.625 ROUTE REFRIGERATION LINES IN BASE OF CASE FOR ALL BOTTOM FED CONNECTED CASES. SLOPE BACK TO COMPRESSOR AT 1" PER 20'-0" OF RUN.

15.637 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

11.02.16

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

07.31.20

1. PLANS INDICATE 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. 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 FITTINGS AT ALL TRAPS AND ELBOWS. WHERE PRE-MANUFACTURED FITTINGS ARE UNAVAILABLE MITER CUT ALL FITTINGS TO ENSURE PROPER SEAL BETWEEN INSULATION SEGMENTS.
5. PIPE INSULATION SHALL MATCH EXISTING COLOR UNLESS NOTED OTHERWISE ON PLANS OR SPECIFICATIONS.
6. COORDINATE REFRIGERATION DEMOLITION ISSUES WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL PLANS FOR REFRIGERATION EQUIPMENT DEMOLITION AND COOLER REPAIR AND REMODELING.
7. 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.
8. WHERE NEW REFRIGERATED EQUIPMENT IS INDICATED ON THE DRAWINGS, PROVIDE DEMOLITION, REMOVAL, AND TEMPORARY STORAGE OF OLD EQUIPMENT PER WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER'S INSTRUCTIONS, AND REFRIGERATION DEMO NOTES.
9. COORDINATE REMOVAL AND DISPOSAL OF EXISTING EVAPORATORS, REFRIGERATED CASES, AND CONDENSING UNITS, WITH WALMART MECHANICAL SERVICES CONSTRUCTION MANAGER.
10. 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. REFERENCE SPECIFICATION FOR CONTACT INFORMATION.
11. 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.
12. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR THE REMOVAL OF SPRINKLERS FOR ALL REMOVED COOLER/FREEZER BOXES.
13. COORDINATE WITH ELECTRICAL CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES ELECTRICAL WIRING DEVICES.
14. COORDINATE WITH BAS CONTRACTOR FOR THE REMOVAL OF ALL REMOVED COOLER/FREEZER BOXES BAS WIRING AND DEVICES.
15. EXISTING REFRIGERATION PIPING MAY BE RE-USED UNLESS OTHERWISE NOTED ON PLANS. REFER TO SCHEDULES FOR PIPE SIZE REQUIREMENTS.
16. BUILDING COMPONENTS ABANDONED BY THE SCOPE OF WORK SHALL BE SECURED TO PREVENT FALLING, LOOSENING, OR CREATING DAMAGE OF ANY KIND IN THE FUTURE.
17. 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 SUCTION FILTERS. FILTERS ARE TO BE RATED FOR WAX REMOVAL. CONTRACTOR TO PROPERLY DISPOSE OF OIL AND COMPONENTS REPLACED. REFER TO SPECIFICATION 15600.
18. REFER TO GROCERY ARCHITECTURAL DRAWINGS FOR ADDITIONAL WORK BY REFRIGERATION CONTRACTOR.
19. INSTALL ASSET TAGS ON ALL NEW REFRIGERATED CASES AND COMPLETE THE DATA COLLECTION INFORMATION. DELETE DEMOED ASSETS FROM ASSET TAGGING APPLICATION. REFER TO SPECIFICATIONS.
20. UPON START-UP OF ALL NEW REFRIGERATED EQUIPMENT, REFRIGERATION CONTRACTOR SHALL REQUEST THE BUILDING PERFORMANCE REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. ANY DEVIATIONS NOTED ON THE REPORT MUST BE CORRECTED PRIOR TO PROJECT CLOSE OUT. REQUEST VIA EMAIL AT B.PTEAM1@WAL-MART.COM

PIPING SCHEDULE SYSTEM RCU1

PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH^^
RCU1	1 1/8	1 1/8	5/8	50

^ 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: 3/2/2021

NOTE: CONTENTS OF SCHEDULE CONTAINS INFORMATION DERIVED FROM OWNER'S RECORD SCHEDULES, MANUFACTURER SUBMITTALS, CUTSHEETS, AND OWNER'S DESIGN PARAMETERS AT THE TIME THE SCHEDULE WAS PREPARED. FIELD VERIFY AS IT MAY NOT REFLECT EXISTING CONDITIONS.

PIPING SCHEDULE SYSTEM RCU2

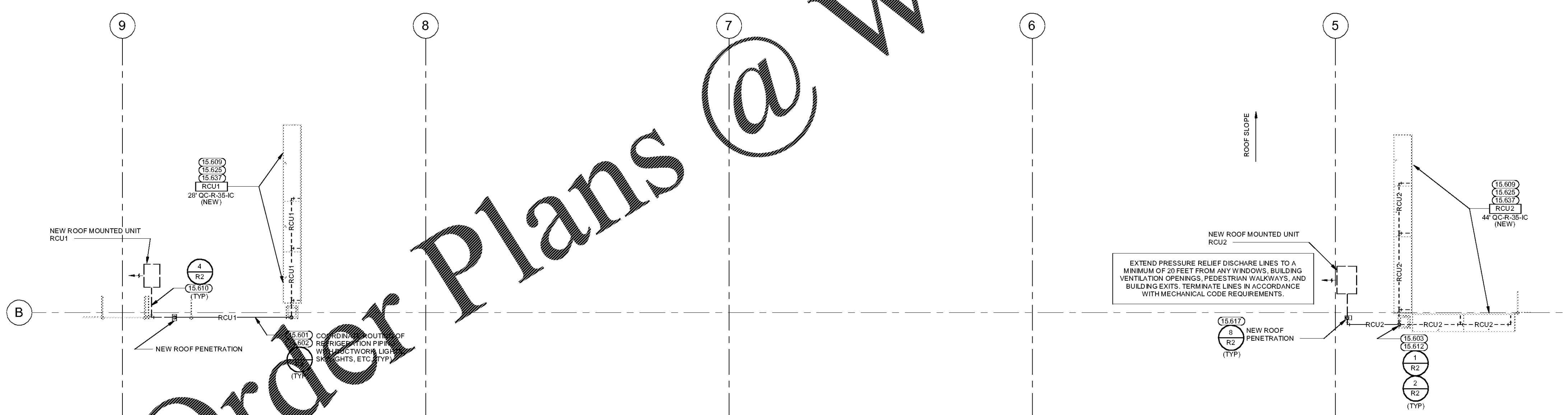
PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH^^
RCU2	1 3/8	1 3/8	5/8	50

^ 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: 3/2/2021

NOTE: CONTENTS OF SCHEDULE CONTAINS INFORMATION DERIVED FROM OWNER'S RECORD SCHEDULES, MANUFACTURER SUBMITTALS, CUTSHEETS, AND OWNER'S DESIGN PARAMETERS AT THE TIME THE SCHEDULE WAS PREPARED. FIELD VERIFY AS IT MAY NOT REFLECT EXISTING CONDITIONS.



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

PRIOR TO INSTALLING ANY EQUIPMENT OR ADJUSTING RACK PARAMETERS, REFRIGERATION CONTRACTOR SHALL REQUEST A SUCTION GROUP REPORT FOR ALL RACKS AND SUCTION GROUPS WHERE WORK IS PERFORMED. REQUEST VIA EMAIL AT B.PTEAM1@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.

ALL WORK ON THIS SHEET IS TO BE COMPLETED BY A WALMART APPROVED CONTRACTOR.

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

VERIFY EXACT LOCATION OF ALL REFRIGERATED CASES WITH FINAL MERCHANDISE PLAN.

COORDINATE LOCATION OF REFRIGERATED CASES WITH PLUMBING CONTRACTOR PRIOR TO CUTTING OF FLOOR AND SETTING DRAINS.

REMOVE EXISTING REFRIGERATION EQUIPMENT NOTED FOR DEMO OR REPLACEMENT, INCLUDING (BUT NOT LIMITED TO): REFRIGERATED CASES, WALK-IN COILS, ASSOCIATED VALVES, REFRIGERATION AND CONDENSATE PIPING, HANGERS AND SUPPORTS, AND CONTROLS NOT BEING REUSED. COORDINATE DISPOSAL OF EQUIPMENT WITH CONSTRUCTION MANAGER. PATCH PENETRATIONS TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS.

ALL EXISTING REFRIGERATED CASES ARE TO REMAIN UNLESS NOTED OTHERWISE.

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 THEMSELF 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.

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: PRATTVILLE, AL CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 03/31/21 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.

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03/30/2021

FRONT REFRIGERATION PLAN

SHEET: R1

DUSTIN R. PADGET

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