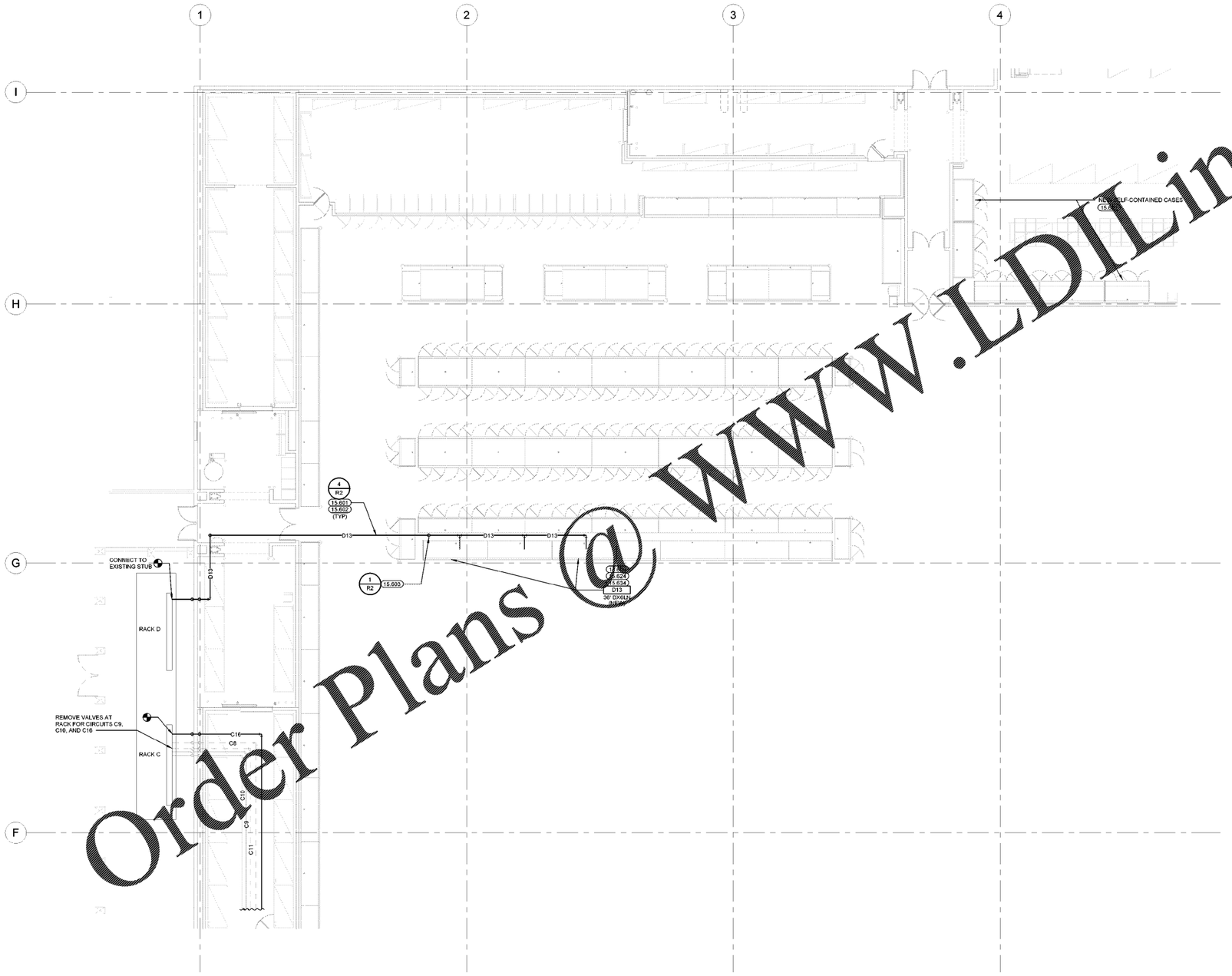

1 REAR REFRIGERATION PLAN
1/8" = 1'-0"

GENERAL NOTES

REFER TO SHEET R1 FOR GENERAL NOTES PERTAINING TO THIS SHEET.

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 5 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 WHERE SHOWN. PITCH DRAINS 1" PER 10'. PROVIDE DRAIN BODY OR GRATE TO MATCH EXISTING. CONTRACTOR SHALL ENSURE RECEPTOR(S) AND MAIN LINES 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.

15.623 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.

15.624 ROUTE REFRIGERATION LINES ON TOP OF CASE FOR ALL TOP FED CONNECTED CASES. SLOPE BACK TO COMPRESSOR AT 1" PER 20'-0" OF RUN. REFER TO TOP FED PIPING DETAIL.

15.634 REFRIGERATION CONTRACTOR SHALL INSTALL REFRIGERATION MANUFACTURER-FURNISHED LIQUID LINE SOLENOID VALVE AND EVAPORATOR PRESSURE REGULATOR IN A SERVICE ACCESSIBLE LOCATION ON TOP OF CASE. CONTRACTOR SHALL FURNISH AND INSTALL FULL PORT ISOLATION BALL VALVE IN A SERVICE ACCESSIBLE LOCATION ON TOP OF CASE. 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.

PIPING SCHEDULE SYSTEM RACK D

PIPE DESIGNATION	HORIZONTAL SUCTION	VERTICAL SUCTION RISER AS REQUIRED	LIQUID	ESTIMATED TOTAL LENGTH**
D13**	1 3/8 "	1 1/8 "	7/8 "	99'

* 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: 11/13/2020

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.

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PROTO CYCLE:	09/25/20
DOCUMENT DATE:	11/20/20

NOT FOR CONSTRUCTION

REAR REFRIGERATION PLAN

SHEET
R1.1

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