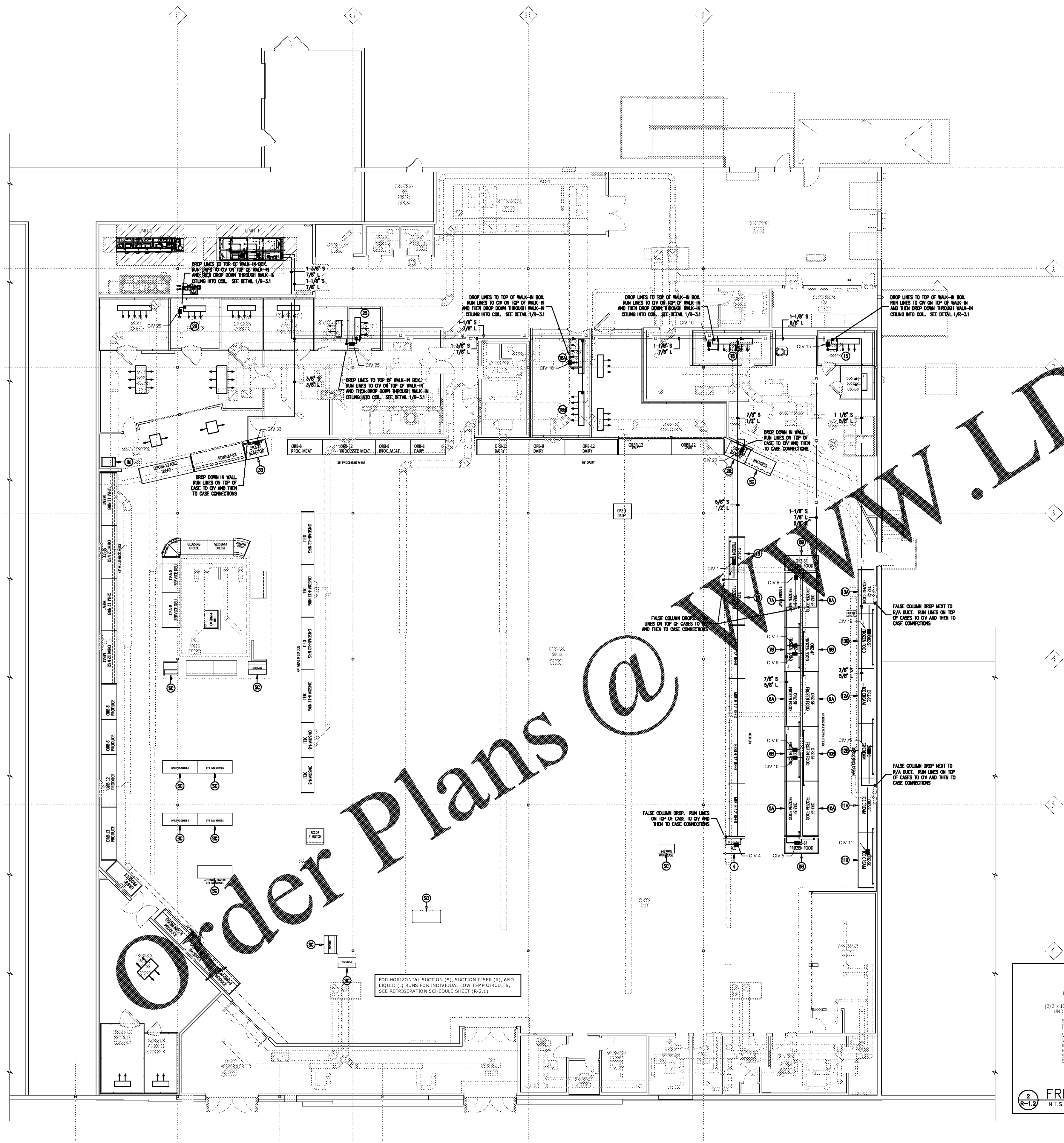


1 / R1.2 LOW TEMPERATURE C02 DX PIPING PLAN
1/8" = 1'-0"

LEGEND

LOW TEMP LOOP 1
LOW TEMP LOOP 2
MED TEMP LOOP 1
MED TEMP LOOP 2
MED TEMP LOOP 3
MED TEMP LOOP 4
UNDERGROUND PIPING
CONDENSATE PIPING

LT DX
S - SUCTION
R - RISER
VSDR - VERTICAL SUCTION DOUBLE RISER
L - LIQUID

MT LIQUID OVERFEED
S - SUPPLY
R - RETURN
RR - RETURN RISER

NOTE:
ELECTRICAL CONTRACTOR TO INSTALL & WIRE MRLDS FROM EACH WALK-IN BOX TO LEAK DETECTOR CONTROL PANEL IN MECHANICAL CENTER.

NOTES APPLY TO ALL SHEETS, UON

PIPING NOTES

1) ALL OVERHEAD REFRIGERATION PIPING AT BACKROOM NEEDS TO STAY A MINIMUM 34" OFF OF THE BACK WALL OF THE SALES FLOOR AREA (WHICH IS THE WALL BEHIND THE DAIRY LINEUP).
2) UTILIZE THE STACKING OF REFRIGERATION LINES WHERE SPACE IS LIMITED

CONTRACTOR NOTES

1) REFRIGERATION CONTRACTOR SHALL SET AND START ALL SELF-CONTAINED EQUIPMENT, INCLUDING ICE MACHINES.
2) REFRIGERATION CONTRACTOR SHALL INSTALL CPC PROBES IN COOLERS AND FREEZERS. PROBES ARE FURNISHED BY PUBLIX.
3) ALL WALK-IN COOLERS AND FREEZERS ARE FURNISHED BY PUBLIX AND INSTALLED BY THE MANUFACTURER.
4) REFRIGERATION CONTRACTOR SHALL INSTALL AND PIPE ALL EVAPORATOR COILS AND HAND VALVES IN COOLERS AND FREEZERS.
5) FOR ALL OVERHEAD REFRIGERATION PIPING ABOVE THE SALES AREA, THE REFRIGERATION INSTALLATION CONTRACTOR SHALL PROVIDE AND INSTALL A DRAIN PAN AS PER TYPICAL DETAIL ON DRAWING R-3.1
6) SEE WATER HEATER / HEAT RECLAIM PIPING DETAIL FOR SETUP & CONTROL OF DOMESTIC WATER HEATING SYSTEM.
7) REFRIGERATION CONTRACTOR SHALL MOUNT MANUFACTURER SUPPLIED OA SENSOR UNDERNEATH MECHANICAL COOLING TOWER STRUCTURE (AVOID EXPOSURE TO SUNLIGHT). OA SENSOR AND WIRING PROVIDED BY REFRIGERATION CONTROLS SUPPLIER.

AREAS OF HORIZONTAL RUNS BY TRADES

ELECTRICAL: HANG AS CLOSE TO STRUCTURE AS POSSIBLE WHILE LEAVING ROOM FOR REFRIGERATION LINES AND HVAC DUCTS. THE INSTALLATION SHALL BE IN COMPLIANCE WITH NEC 300.4(E)

REFRIGERATION: 32 IN. TO 36 IN. BELOW STRUCTURE; EXPOSED IN PROTOTYPE, IMMEDIATELY BELOW STRUCTURE.

FIRE SPRINKLER: 8 IN. ABOVE CEILING; WHERE EXPOSED IN PROTOTYPE, 8 IN. ABOVE BOTTOM CHORD OF STEEL GIRDER JOISTS AND JOISTS.

AIR CONDITIONING: 36 IN. BELOW STRUCTURE TO 10 IN. ABOVE CEILING; WHERE EXPOSED IN PROTOTYPE, HANG AS CLOSE UNDER BOTTOM OF STRUCTURE AS POSSIBLE WHILE LEAVING ROOM FOR REFRIGERATION LINES.

IF DEVIATION FROM THESE AREAS IS INDICATED, SUCH DEVIATION MUST BE AGREED UPON BY JOB SUPERINTENDENT AND PUBLIX REPRESENTATIVE.

DRAIN PAN NOTE:

FOR ALL OVERHEAD DX REFRIGERATION PIPING IN FOOT PATH AREA OF SALES FLOOR, THE REFRIGERATION INSTALLATION CONTRACTOR SHALL PROVIDE AND INSTALL DRAIN PAN(S) AS PER TYPICAL DETAIL 7 ON SHEET R-3.1

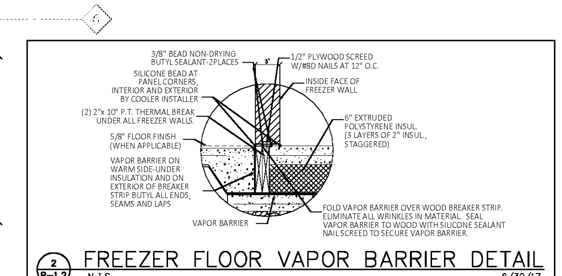
REFRIGERATION AND PLUMBING CONTRACTORS SHALL COORDINATE REFRIGERATION DROPS AND VENT PIPES TO RUN BUNDLED TOGETHER.

NOTE:

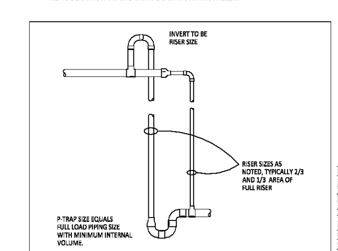
REFRIGERATION INSTALLATION CONTRACTOR TO COORDINATE REFRIGERATION PIPING WITH DUCTWORK INSTALLER.

CO_2 INSULATION TABLE

PIPE SIZE	VERTICAL DROPS	HORIZONTAL RUNS	INSIDE MECHANICAL ROOM
ALL	1"	1 1/2"	2"



2 / R-1.2 FREEZER FLOOR VAPOR BARRIER DETAIL
N.T.S. 6/30/17



VERTICAL SUCTION DOUBLE RISER DIAGRAM (VSDR)

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TO THE BEST OF MY KNOWLEDGE, THE SPECIFICATIONS AND PLANS SHOWN HEREIN COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES IN EFFECT AT THIS TIME.

PUBLIX PROTOTYPE BASIS OF DESIGN
20M
EXPANDED
RECEIVED: 09.14.18

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REFRIGERATION PIPING PLAN - DX LOOP (LOW TEMP)
EAST COBB PUBLIX - #1745
EAST COBB CROSSING SHOPPING CENTER
ROSEWELL ROAD
MARIETTA, GA 30062

RELEASED FOR:	
BID	
PERMIT	07/16/20
CONSTR.	

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R-1.2

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