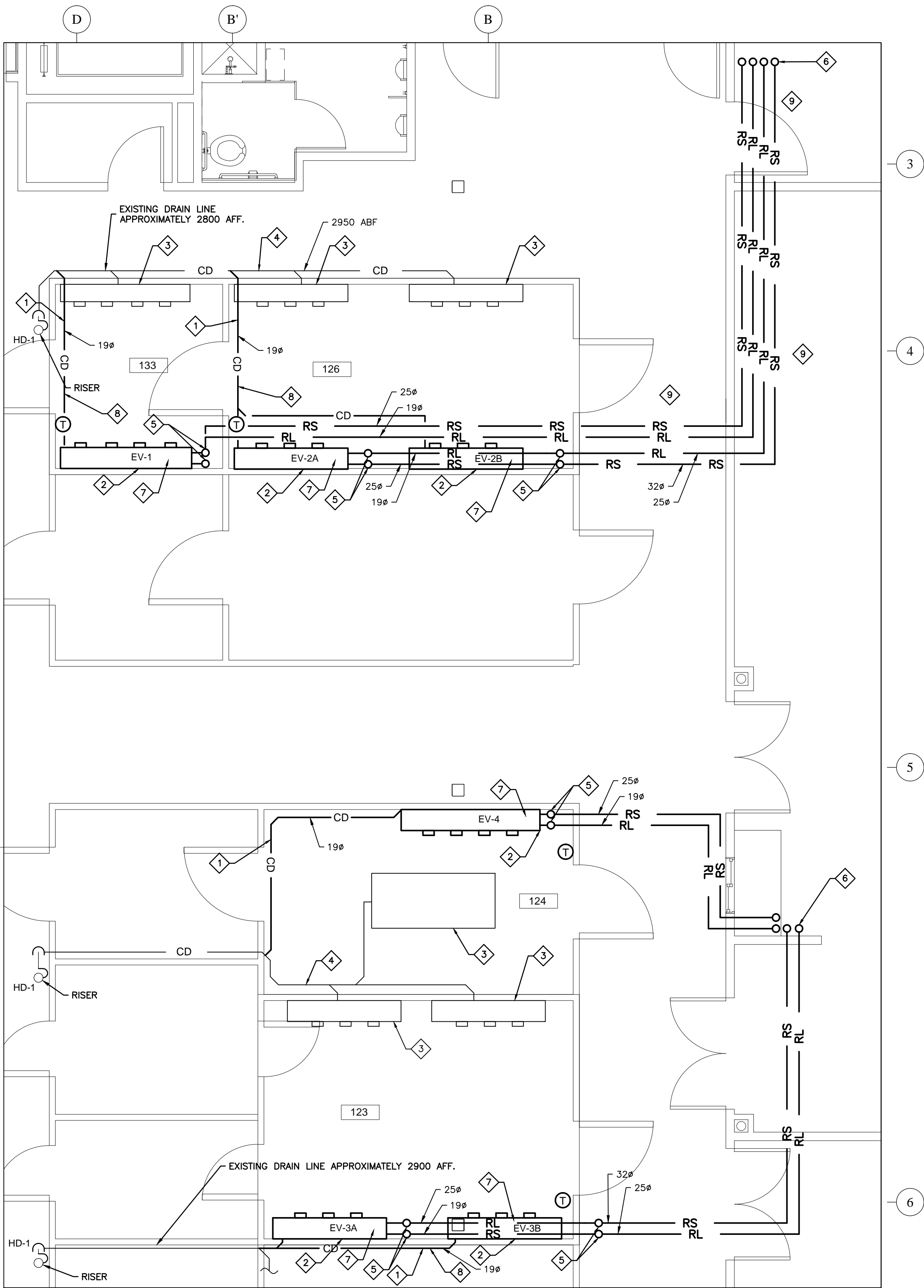
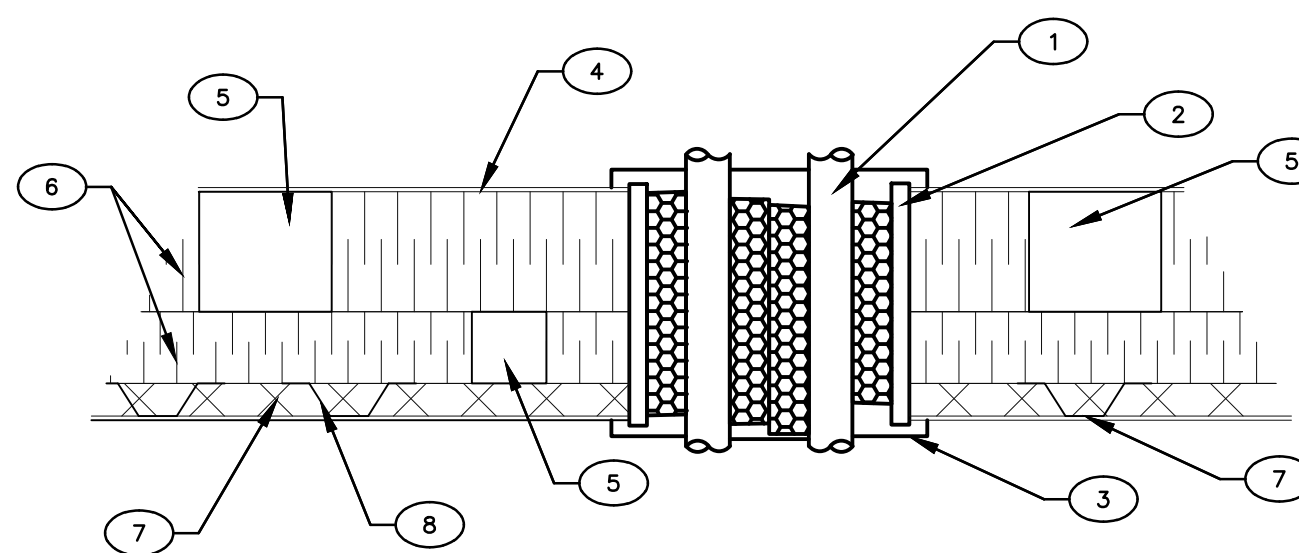


Drawing name: C:\Users\Yvon.Tremblay\Documents\Projects\5260\5260.dwg Feb 22, 2016 -- 2:10pm



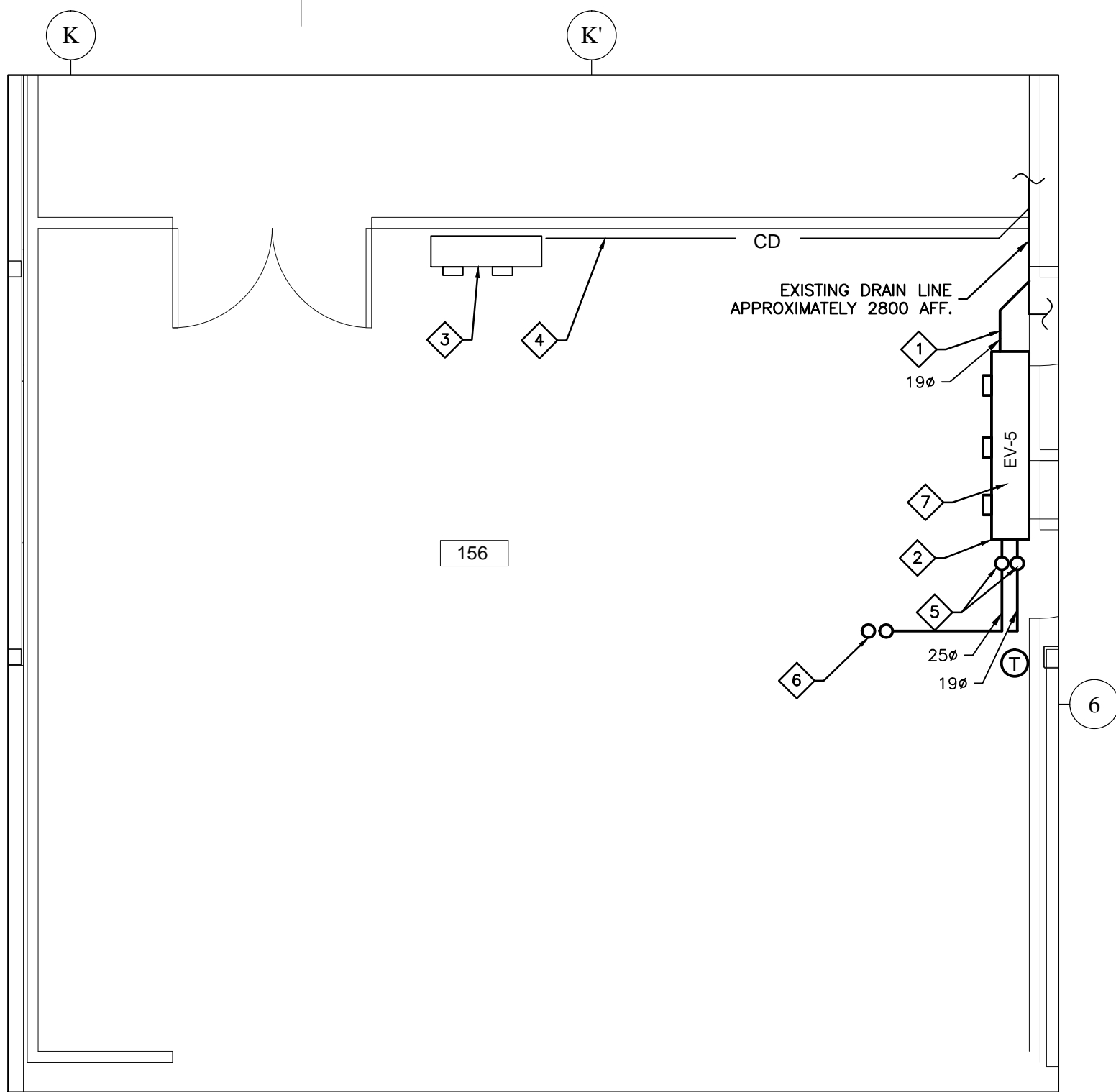
1 GROUND FLOOR - COOLER 124, AND FREEZER 123, 126, & 133
M101 SCALE: 1:50



NOTE: ALL PENETRATIONS TO BE CUT HALF WAY OF PANEL WIDTH.

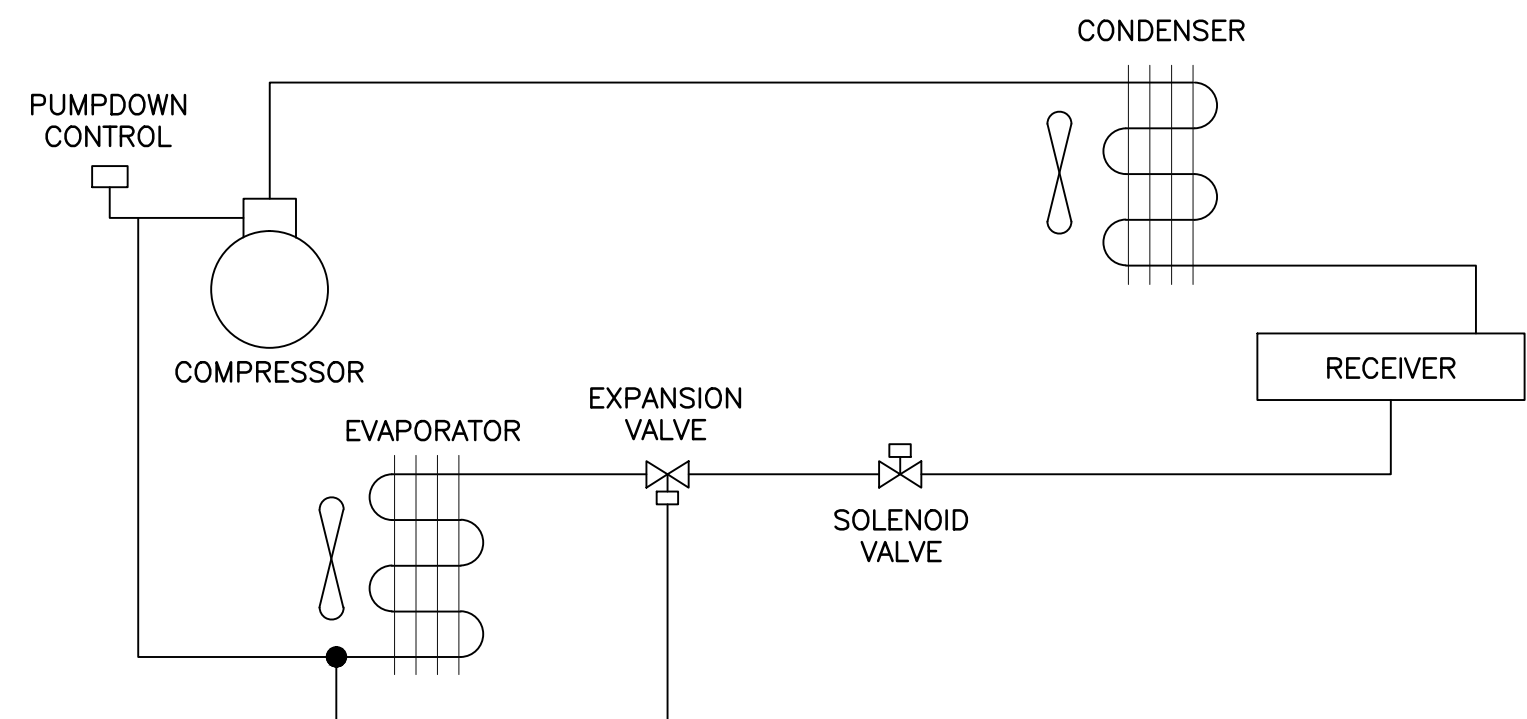
4 SUGGESTED METHOD OF SERVICES PENETRATION THROUGH COOLER/FREEZER ENVELOPE
M101 SCALE: NTS

- NOTES:**
- SERVICE TUBING, PIPING OR WIRE FILL VOID WITH FOAM INSULATION. TRIM EDGE AFTER FOAM SETTING.
 - PVC PIPE SLEEVE SECURED WITH FOAM BOARD ADHESIVE CUT FLUSH WITH COOLER/FREEZER PANEL SURFACE.
 - STAINLESS STEEL ESCUTCHEON, CUSTOM FABRICATE TO FIT SLEEVE OPENING AND SERVICE PIPE OPENING. SECURE WITH LOW TEMPERATURE RESISTANT MASTIC.
 - COLD ROLLED SHEET STEEL.
 - STRUCTURAL TUBE COLUMN.
 - RIGID FOAM INSULATION.
 - STEEL FURRING.
 - COLD ROLLED SHEET STEEL WITH BAKED ON ENAMEL.



2 GROUND FLOOR - COOLER 156
M101 SCALE: 1:50

REFRIGERATION EQUIPMENT SCHEDULE															
Walk in Freezer				Capacity based on 5C DT @ 32 C ambient and -23C room temp											
Tag	Duty	Location	Description	Capacity kW	Refrigerant	Electrical Service	Motor (kW)	MCA	Evaporator Fan Amp	Fans FLA	Defrost Heater Amp	Dimensions WxLxH (mm)	Liquid (mm)	Suction (mm)	Drain (mm)
CV-1	Day Issue Freezer 133	Roof	Scroll air-cooled condensing unit	3.2	R 404A	208-230/1/60	2.2	38	12	na	30	711x965x508	13	22	na
EV-1	Day Issue Freezer 133	133	Low profile electric defrost evaporator/cooler	3.9	R 404A	208-230/1/60	na	na	na	4@2	15.7	1937x336x373	13	28	19
CV-2	General holding Freezer 126	Roof	Scroll air-cooled condensing unit	5.3	R 404A	208-230/1/60	3.7	50	10	na	30	762x1067x762	13	28	na
EV-2A	General holding Freezer 126	126	Low profile electric defrost evaporator/cooler	2.65	R 404A	208-230/1/60	na	na	na	3@1.5	11.7	1550x356x381	13	22	19
EV-2B	General holding Freezer 126	126	Low profile electric defrost evaporator/cooler	2.65	R 404A	208-230/1/60	na	na	na	3@1.5	11.7	1550x356x381	13	22	19
CV-3	Meat & Poultry Freezer 123	Roof	Scroll air-cooled condensing unit	5.3	R 404A	208-230/1/60	3.7	50	10	na	30	762x1067x762	13	28	na
EV-3A	Meat & Poultry Freezer 123	123	Low profile electric defrost evaporator/cooler	2.65	R 404A	208-230/1/60	na	na	na	3@1.5	11.7	1550x356x381	13	22	19
EV-3B	Meat & Poultry Freezer 123	123	Low profile electric defrost evaporator/cooler	2.65	R 404A	208-230/1/60	na	na	na	3@1.5	11.7	1550x356x381	13	22	19
Walk in Cooler				Capacity based on 5.5C DT @ 32 C ambient and 1.5C room temp											
CV-4	Meat & Poultry Cooler 124	Roof	Scroll air-cooled condensing unit	4.7	R 404A	208-230/1/60	0.75	38	12	na	30	711x965x508	13	22	na
EV-4	Meat & Poultry Cooler 124	124	Low velocity air defrost evaporator/cooler	4.7	R 404A	208-230/1/60	na	na	na	2@1	na	1905x686x330	28	28	19
CV-5	Shipping Cooler 156	Roof	Scroll air-cooled condensing unit	5.66	R 404A	208-230/1/60	1.5	38	12	na	30	711x965x508	13	22	na
EV-5	Shipping Cooler 156	156	Low velocity air defrost evaporator/cooler	5.66	R 404A	115/1/60	na	na	na	4@4	na	1981x381x330	13	28	19



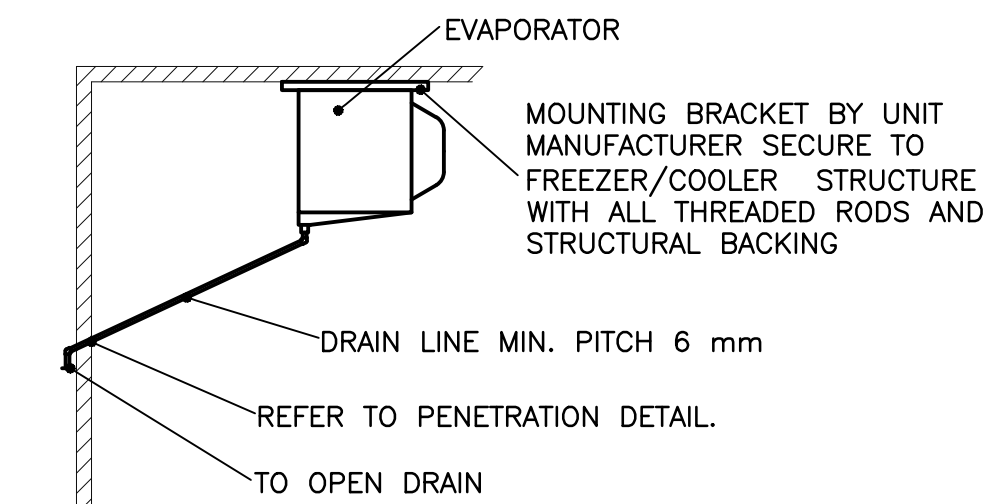
5 REFRIGERATION DIAGRAM
M101 SCALE: NTS

GENERAL NOTES

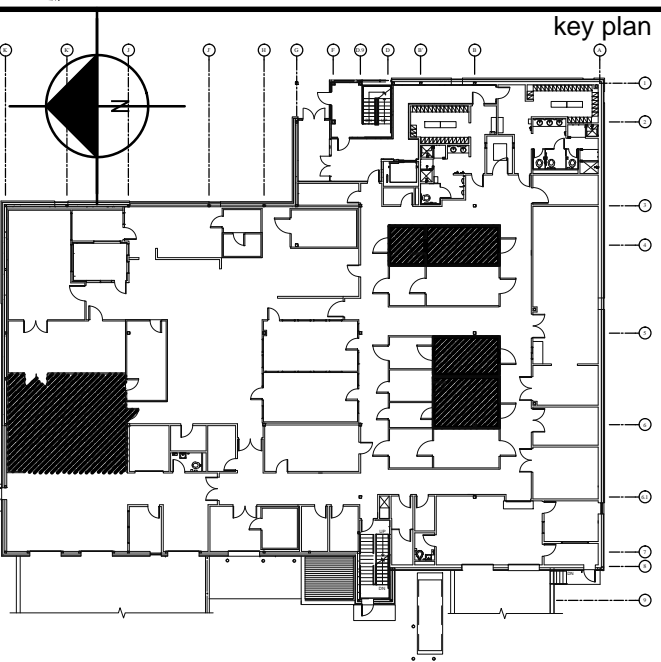
- PROVIDE PROPER INSULATION AND SEAL ALL PENETRATIONS. SEE SPECIFICATIONS FOR DETAILS.
- PIPING TO BE PROPERLY ANCHORED AND SUPPORTED.
- REFRIGERATION LINE SIZES FOR PRICING PURPOSE ONLY, FINAL DESIGN BY UNIT MANUFACTURER. SEE SPECIFICATIONS FOR DETAILS.

DRAWING NOTES

- PROVIDE CONDENSATE DRAIN LINE CONNECT TO EXISTING DRAIN CONNECT AS SHOWN.
- PROVIDE EVAPORATOR AND MOUNT AT HIGH LEVEL. SEE SCHEDULE AND SPECIFICATIONS FOR FURTHER DETAILS.
- EXISTING EVAPORATORS TO REMAIN.
- EXISTING CONDENSATE DRAIN LINES.
- APPROXIMATE POINT OF REFRIGERATION AND ASSOCIATE SERVICES RISERS TROUGH WALK IN COOLER/FREEZER CEILING PANEL. EXTEND LINES ABOVE CEILING TO ROOF RISER.
- APPROXIMATE POINT OF REFRIGERATION AND ASSOCIATE SERVICES RISERS TROUGH THE ROOF. CO-ORDINATE LOCATION WITH CONDENSING UNITS LOCATION. ASSURE WEATHERPROOF INSTALLATION.
- INSTALL EVAPORATORS TIGHT TO WALK-IN COOLER/FREEZER STRUCTURE. USE MOUNTING BRACKET RECOMMENDED BY MANUFACTURER. ALL FASTENERS OR SUPPLEMENTARY SUPPORT SHALL BE STAINLESS STEEL CONSTRUCTION OF COATED WITH TWO LAYERS OF EPOXY PAINT. TYPICAL.
- PROVIDE SELF REGULATING HEAT TRACE CABLE ON ALL CONDENSATE LINES. TYPICAL.
- REMOVE AND REINSTATE CEILING MATERIAL. SEE EXAMPLE ON PICTURE 4/M100.



3 EVAPORATOR MOUNTING DETAIL
M101 SCALE: NTS



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

1	ISSUED FOR TENDER	Feb 22, 2016
revisions	description	date

A	A detail no. n° du détail
B	B location drawing no. sur dessin n°
C	C drawing no. dessin n°

project

REFRIGERATION SYSTEM BYPASS, HoC FOOD PRODUCTION FACILITY

1170 ALGOMA ROAD, OTTAWA, ONT

drawing

GROUND FLOOR NEW EQUIPMENT

Designed By	C. Modrak	Conçu par	
Date	October, 2015	(yyyy/mm/dd)	
Drawn By	G. Tremblay	Dessiné par	
Date	October 2015	(yyyy/mm/dd)	
Reviewed By	C. Modrak	Examiné par	
Date	October 2015	(yyyy/mm/dd)	
Approved By	G. Santry	Approuvé par	
Date	October 2015	(yyyy/mm/dd)	
Tender	Jordan Cook	Soumission	
Project Manager		Administrateur de projets	
Project no.		n° du projet	
			R.034088.027
Drawing no.		n° du dessin	

M101