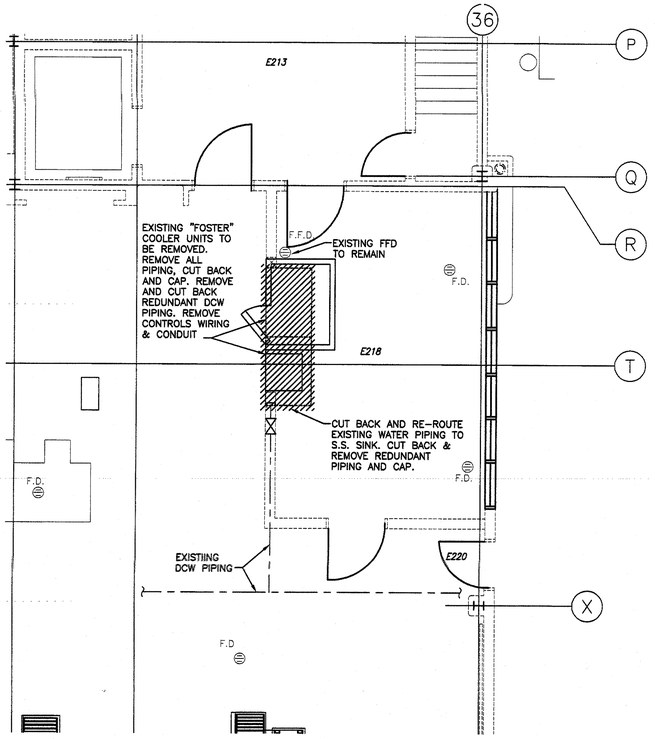
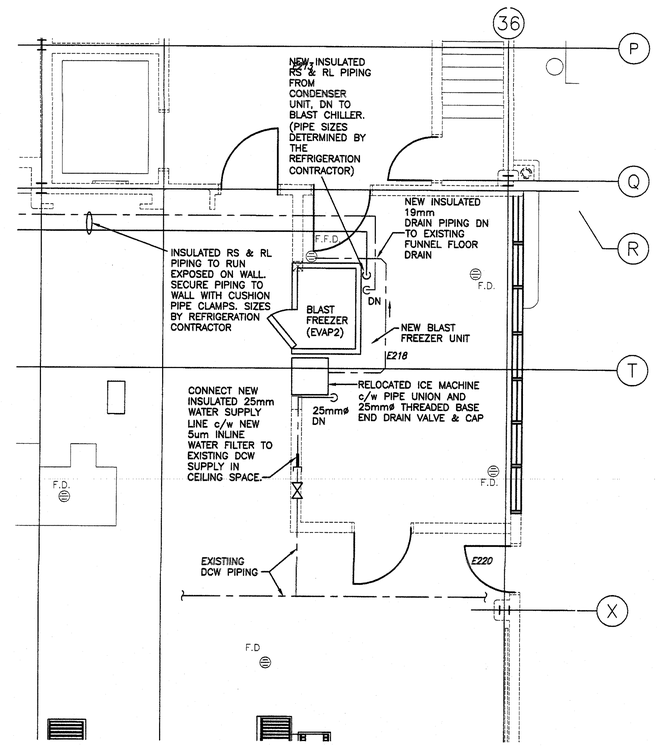


1 H-2 DEMOLITION – LEVEL 2

SCALE: 1:50

0m 1m 2m 3m 4m 5m



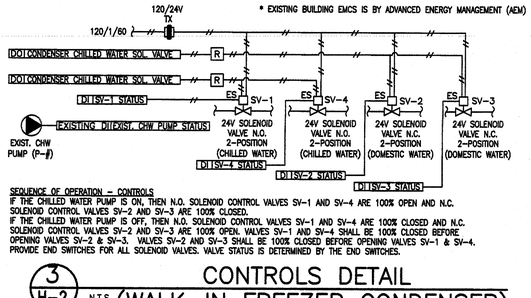
2 H-2 RENOVATIONS – LEVEL 2 BLAST FREEZER LAYOUT

SCALE: 1:50

0m 1m 2m 3m 4m 5m

REFRIGERATION EQUIPMENT

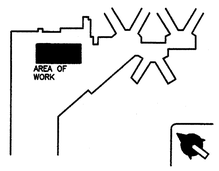
TAG	DESCRIPTION
COND1	WATER–COOLED CONDENSING UNIT SPECIFIED BY REFRIGERATION CONSULTANT KEEPRITE EZ–LINE MODEL KEZA015H8–HT3B, 4.4kw, 208/3/60, 1.49kw, CONNECTION SIZES AT UNIT: LIQUID LINE – 10mm, SUCTION LINE – 22mm
EVAP1	EVAPORATOR UNIT SPECIFIED BY REFRIGERATION CONSULTANT KEEPRITE MODEL KLP214ME–S2B, 1349 L/s, 208/1/60, CONNECTION SIZES AT UNIT: DISTRIBUTOR – 13mm, SUCTION LINE – 22mm
COND2	AIR–COOLED CONDENSING UNIT SPECIFIED BY REFRIGERATION CONSULTANT MASTERBILT MODEL BCLZ0750C, 5.5kw, 208–230/3/60, 10.9kwø–10°C, CONNECTION SIZES AT UNIT: LIQUID LINE – 22mm, SUCTION LINE – 35mm
EVAP2	BLAST CHILLER EVAPORATOR UNIT SPECIFIED BY REFRIGERATION CONSULTANT NORLAKE INC., MODEL BC734870–X–EC, 280–230/1/60 CONNECTION SIZES AT UNIT: DISTRIBUTOR – 22mm, SUCTION LINE – 35mm
MECHANICAL CONTRACTOR TO INSTALL ALL REFRIGERATION EQUIPMENT SPECIFIED BY THE REFRIGERATION CONSULTANT. PROVIDE INSULATED RS & RL PIPING C/W IDENTIFICATION SECURED TO THE BUILDING AND/OR FREEZER PANEL STRUCTURE. DETERMINE REFRIGERATION PIPE SIZES BASED ON EQUIVALENT PIPING LENGTHS MEASURED ON–SITE. PROVIDE & VERIFY REFRIGERANT CHARGE.	



SEQUENCE OF OPERATION – CONTROLS
IF THE CHILLED WATER PUMP IS ON, THEN N.O. SOLENOID CONTROL VALVES SV–1 AND SV–4 ARE 100% OPEN AND N.C. SOLENOID CONTROL VALVES SV–2 AND SV–3 ARE 100% CLOSED.
IF THE CHILLED WATER PUMP IS OFF, THEN N.O. SOLENOID CONTROL VALVES SV–1 AND SV–4 ARE 100% CLOSED AND N.C. SOLENOID CONTROL VALVES SV–2 AND SV–3 ARE 100% OPEN. VALVES SV–1 AND SV–4 SHALL BE 100% CLOSED BEFORE OPENING VALVES SV–2 & SV–3. VALVES SV–2 AND SV–3 SHALL BE 100% CLOSED BEFORE OPENING VALVES SV–1 & SV–4. PROVIDE END SWITCHES FOR ALL SOLENOID VALVES. VALVE STATUS IS DETERMINED BY THE END SWITCHES.

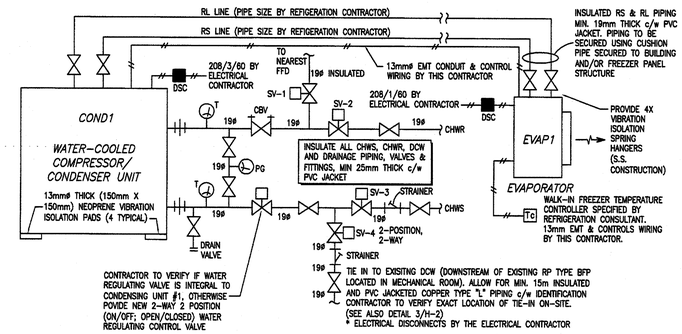
3 H-2 N.T.S. CONTROLS DETAIL (WALK–IN FREEZER CONDENSER)

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

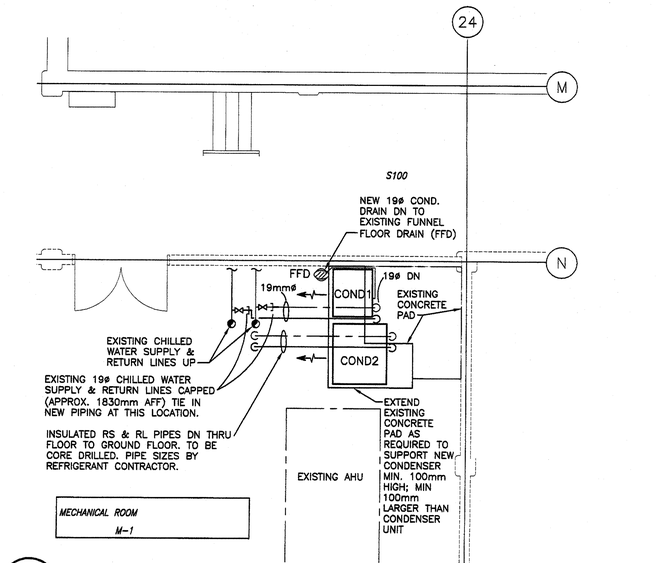


KEY PLAN

F.C. O'Neill Scriven & Assoc's Limited
Consulting Engineers
1450 Constable Street, Halifax, Nova Scotia, B3K 1A2
ph (902) 429-7707 f (902) 429-7729 w www.onsa.ca
341 Townsend Street, Sydney, Nova Scotia, B1P 5G1
ph (902) 562-5080 f (902) 562-5021 w www.onsa.ca



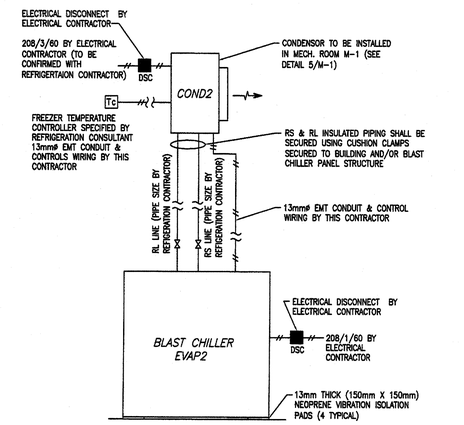
4 H-2 N.T.S. NEW WATER–COOLED CONDENSER DETAIL (WALK–IN FREEZER)



5 H-2 RENOVATIONS–LEVEL 1 MECHANICAL ROOM LAYOUT

SCALE: 1:50

0m 1m 2m 3m 4m 5m



6 H-2 N.T.S. AIR–COOLED CONDENSER DETAIL (BLAST CHILLER)

LICENCED PROFESSIONAL ENGINEER Province of New Brunswick
L4341 2014
G. Scott Moore
Signature
June 25, 2014
Date
INGÉNIEUR TITULAIRE DE PERMIS Province du Nouveau–Brunswick

revisions		date
4	RE–ISSUED FOR TENDER	JUN.24 2014
3	ISSUED FOR TENDER	JUN.13 2014
2	99% REVIEW	MAY.23 2014
1	99% REVIEW	MAY.05 2014
0	ISSUED FOR REVIEW	MAR.3 2014

project / projet

NEW FOOD STORAGE FREEZER CHILLED FOOD HOLDING RENOUS INSTITUTION

RENOUS, NEW BRUNSWISK

drawing / dessin

MECHANICAL DEMOLITION PARTIAL PLANS AND DETAILS

designed J.M.C. / conçu
date MARCH, 2014
drawn J.M.C. / dessiné
date MARCH, 2014
approved G.S.M. / approuvé
date MARCH, 2014
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC

project number / no. du projet
R.061844.001

drawing no. / no. du dessin
H–2

E–DRM/GDD–E:488487

PWGSC B1 (2004)