

Location Plan

DRAWING KEYNOTES

- EXISTING COOLER WILL BE REMOVED BY OTHERS. COORDINATE WITH OTHER TRADES AND DISCONNECT ALL EXISTING WIRING TO THE COOLER SUCH AS CONNECTION TO COOLER EVAPORATOR FANS, WASTE LINE HEAT TRACE AND LIGHTING. NOTE THAT EXISTING BRANCH CIRCUIT WIRING MAY NEED TO BE PROTECTED FOR RE-USE AND RE-CONNECTION TO THE NEW FREEZER. REFER TO OTHER NOTES ON THIS DRAWING.
- ACCORDING TO SITE SURVEY, THERE ARE CURRENTLY AT LEAST THREE ELECTRICAL CONNECTIONS FROM PANEL 'AS2D' LOCATED IN ROOM 114 TO THE EXISTING COOLER EQUIPMENT:
 - ONE 15A/208V/1-PHASE CIRCUIT TO EVAPORATOR (CCT. 34,36)
 - ONE 15A/120V CIRCUIT TO COOLER LIGHTS (CCT.32).
 - ONE 40A/208V/3-PHASE CIRCUIT (38,40,42) TO COMPRESSOR.CIRCUITS FOR HEATING CABLES ARE NOT KNOWN. CONTRACTOR TO INVESTIGATE AND CONFIRM ALL CONNECTIONS TO EXISTING COOLER PRIOR TO START OF DEMOLITION WORK. RE-USE THE EXISTING BRANCH CIRCUITS OR REPLACE THE EXISTING WIRING AND BREAKERS AND INSTALL ADDITIONAL WIRING TO NEW FREEZER AS REQUIRED AND INDICATED ON THE DRAWING.
- EXISTING JB WITH UNDERGROUND CONDUIT, WIRING AND HEATING CABLE CONNECTION AND T-STAT THAT IS SUSPECTED TO BE FOR THE EXISTING COOLER T-HAT IS REPLACED. SEE PICTURE#2. RE-USE FOR NEW FREEZER IF SUITABLE. OTHERWISE REMOVE ALL WIRING AND CUT CONDUITS FLUSH WITH THE FLOOR AND FILL IN WITH GROUT.
- FOR CLARITY, NOT ALL EXISTING PANELBOARDS ARE SHOWN ON THE WALL IN ROOM 114. SEE PICTURE #1
- NEW FREEZER WILL BE INSTALLED BY OTHERS. PROVIDE AND INSTALL ALL NECESSARY WIRING AND CONNECTIONS TO THE NEW FREEZER EQUIPMENT:
 - REPLACE WIRING FOR EXISTING CIRCUIT AS2D34,36 WITH #10AWG USING EXISTING CONDUITS. REPLACE THE EXISTING 2P/15A BREAKER WITH 2P/25A BREAKER AND USE FOR CONNECTION TO NEW EVAPORATOR.
 - RE-USE EXISTING WIRING AND BREAKER FOR CIRCUIT AS2D32 FOR CONNECTION TO NEW FREEZER LIGHTS, ALARMS, CONTROL INTERCONNECTIONS AND EVAP HEAT TRACE.
 - RE-USE EXISTING WIRING FOR CIRCUIT AS2D38,40,42 FOR NEW COMPRESSOR. REPLACE THE BREAKER FROM 3P/40A TO 3P/25A. RE-USE EXISTING DISCONNECT SWITCH AT COMPRESSOR. PROVIDE LAMICOID LABEL TO INDICATE CCT. NUMBER. SEE PICTURE #3.
 - PROVIDE CONDUIT AND WIRING FOR NEW CIRCUIT AS2D17,19 FOR CONNECTION TO DOOR HEATER. PROVIDE NEW 2P/15A BREAKER IN THE PANEL.
- THERE MAY BE EXISTING CONDUIT AND WIRING INSTALLATIONS UNRELATED TO THE EXISTING COOLER THAT ARE FASTENED ON THE ROOF OF THE UNIT. ELECTRICAL CONTRACTOR IS TO TEMPORARILY REMOVE ALL SUCH INSTALLATIONS TO ACCOMMODATE REPLACEMENT OF EXISTING COOLER AND RE-INSTALL ALL AFTER NEW FREEZER IS INSTALLED. MAKE ALL NECESSARY ALLOWANCES.
- EXISTING FEDERAL PIONEER NBLP TYPE PANEL 'AS2D'. PROVIDE NEW TYPE-WRITTEN PANEL SCHEDULE AFTER COMPLETION OF THE WORK.
- EXISTING JB FOR POWER CONNECTION TO EXISTING COOLER EQUIPMENT. SEE PICTURE #4. RELOCATE THE JB AS REQUIRED AND TO SUIT NEW FREEZER. IN ADDITION, THERE IS EXISTING BX WIRING FROM THIS JB TO THE NON-ACCESSIBLE CEILING SPACE ABOVE THE EXISTING COOLER THAT TERMINATES IN ANOTHER JB IN THE CEILING SPACE. SEE PICTURE #5 REMOVE AND RE-INSTALL THIS WIRING AS REQUIRED TO AVOID ANY JB IN NON-ACCESSIBLE SPACES

DRAWINGS GENERAL NOTES

- THIS PROJECT INCLUDES REMOVAL OF FOUR EXISTING COOLERS (ONE IN MISSION INSTITUTION, ONE IN KENT INSTITUTION AND TWO IN MOUNTAIN INSTITUTION) AND REPLACING THEM WITH THREE -1°C FREEZERS, ONE IN EACH INSTITUTION. ELECTRICAL CONTRACTOR IS TO COORDINATE WITH OTHER TRADES TO ACCOMMODATE REMOVAL OF EXISTING EQUIPMENT AND PROVIDE CONDUIT, WIRING ETC TO NEW FREEZERS AS DETAILED IN ELECTRICAL DRAWINGS.
- ALL EXISTING WIRING THAT IS MADE REDUNDANT DUE TO REMOVAL OF ANY EXISTING COOLER IS TO BE REMOVED ALL THE WAY TO THE SOURCE UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- WIRING TO THE EXISTING EQUIPMENT, IF WIRE SIZE IS SUITABLE TO POWER NEW EQUIPMENT, MAY BE RE-USED FOR SUCH EQUIPMENT ONLY IF THE EXISTING WIRING CAN BE RE-ROUTED AND REACH THE NEW EQUIPMENT. IF EXISTING WIRING IS SHORT AND CAN NOT REACH THE NEW EQUIPMENT, CONTRACTOR MUST SEEK DEPARTMENTAL REPRESENTATIVE APPROVAL PRIOR TO SPLICING THE EXISTING WIRING. OTHERWISE, INSTALL NEW WIRING.
- INFORMATION RELATED TO CIRCUIT NUMBERS FOR EXISTING EQUIPMENT IS OBTAINED FROM A VISUAL SURVEY OF THE SITE AND BY NO MEANS SHOULD BE CONSIDERED ACCURATE. ELECTRICAL CONTRACTOR SHOULD VERIFY ALL THIS INFORMATION ON SITE PRIOR TO START OF WORK.
- PROVIDE NEW TYPE-WRITTEN PANEL DIRECTORY FOR ANY PANEL BOARD FROM/TO WHICH A CIRCUIT IS REMOVED/ADDED. LEAVE THE EXISTING PANEL DIRECTORY INSIDE THE PANEL AND MARK AS 'OLD'.
- PROVIDE NEW LAMICOID LABEL FOR ALL NEW DISCONNECT SWITCHES INDICATING FUNCTION AND CIRCUIT NUMBER. ALL NEW LAMICOID LABELS TO MATCH EXISTING.
- NOTE THAT INFORMATION RELATED TO WIRING AND BREAKER SIZES FOR NEW EQUIPMENT THAT IS SHOWN ON DRAWINGS IS BASED ON THE PROPOSED NEW EQUIPMENT; HOWEVER, ELECTRICAL REQUIREMENTS FOR THE ACTUAL UNITS THAT ARE PROCURED MAY BE DIFFERENT THAN WHAT IS INDICATED ON THE DRAWINGS. ELECTRICAL CONTRACTOR IS TO OBTAIN AND REVIEW SHOP DRAWINGS FOR ALL NEW EQUIPMENT PRIOR TO ANY WIRING INSTALLATION AND ENSURE WIRING AND BREAKER SIZES SHOWN ON THE DRAWINGS ARE SUITABLE FOR THE NEW EQUIPMENT. REPORT ANY DISCREPANCY TO THE DEPARTMENT REPRESENTATIVE AND REQUEST INSTRUCTIONS.
- USE OF CABLE TYPE AC (BX) IS NOT ALLOWED UNLESS WITH PRIOR APPROVAL BY DEPARTMENTAL REPRESENTATIVE. ALL WIRING IS TO BE INSTALLED IN CONDUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS. USE SEAL TIGHT FLEXIBLE CONDUIT AND WIRING FOR FINAL CONNECTION TO THE EQUIPMENT SUCH AS EVAPORATOR FANS, HEAT TRACE LINES OR COMPRESSORS.
- WHERE EVER DRAWINGS INDICATE TO USE EXISTING CONDUITS FOR NEW WIRING INSTALLATION OR REPLACEMENT OF EXISTING WIRING, CONTRACTOR TO MAKE NECESSARY ALLOWANCES AS REQUIRED TO INVESTIGATE ON SITE AND IDENTIFY THE ROUTING OF EXISTING CONDUITS TO BE USED. VISIT THE SITE PRIOR TO BID SUBMITAL AND ALLOW FOR THE WORK REQUIRED FOR THIS.

ELECTRICAL LEGEND:

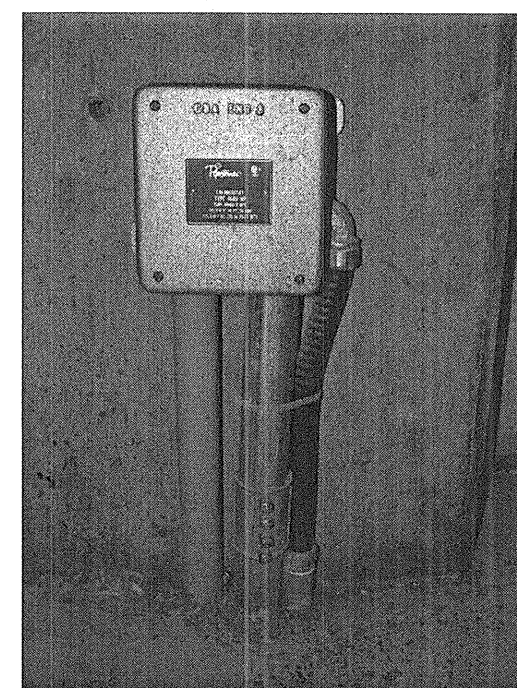
- NON-FUSED DISCONNECT SWITCH
- F = FUSED
- MOTOR CONNECTION
- HARDWARE CONNECTION
- DUPLEX RECEPTACLE
- JUNCTION BOX
- SURFACE MOUNTED PANELBOARD
- RECESSED MOUNTED PANELBOARD
- REFER TO PICTURE # AS INDICATED
- KEYNOTE

ABBREVIATIONS:

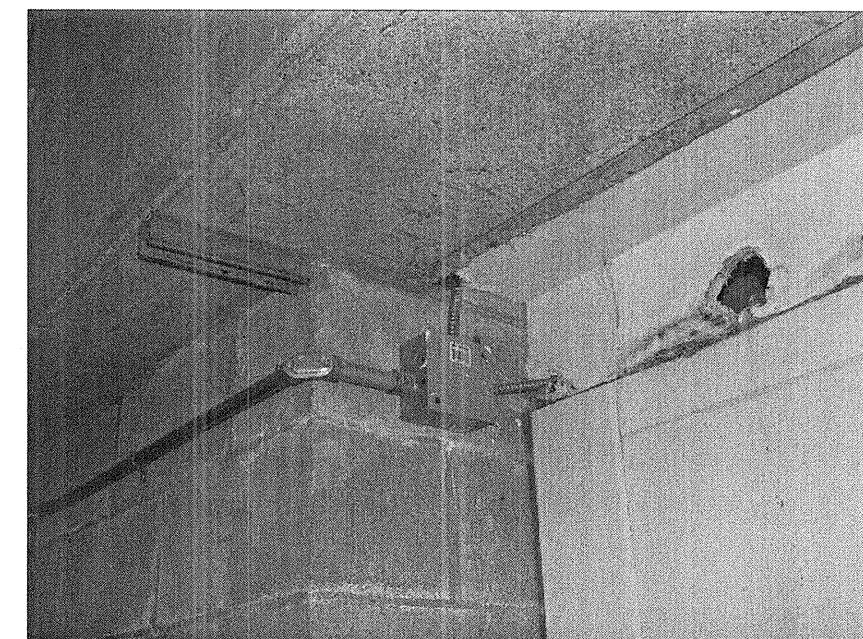
- E EXISTING DEVICE
- N NEW
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- RL RELOCATED DEVICE



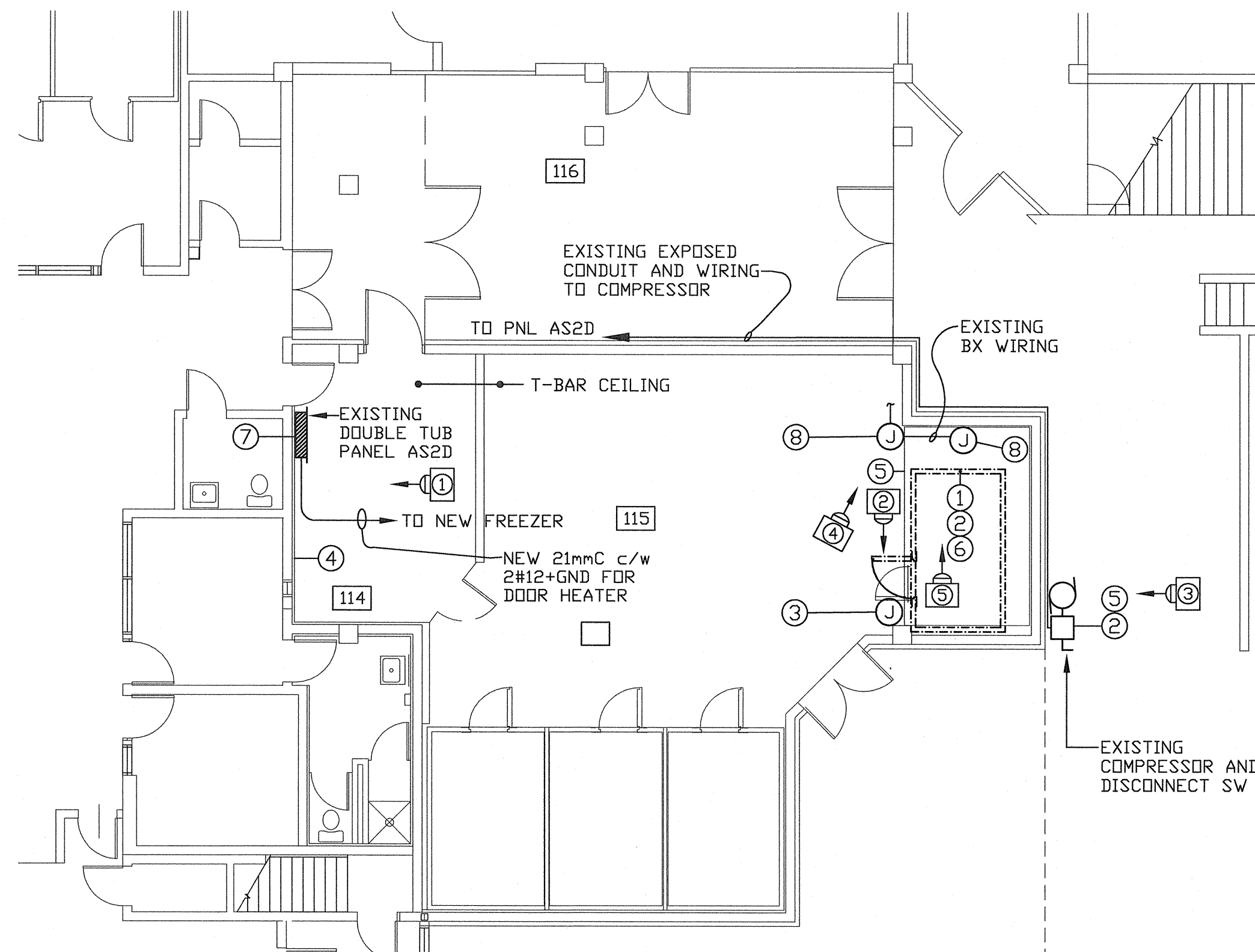
PICTURE #1
EXISTING PANEL 'AS2D' BY THE DOOR.
PANEL FEEDS ALL EQUIPMENT RELATED
TO EXISTING COOLER. USE TO FEED NEW
FREEZER.



PICTURE #2
EXISTING HEATING CABLE JB ON THE COLUMN.
RE-USE FOR NEW FREEZER IF SUITABLE. OTHERWISE
REMOVE ALL WIRING AND CUT CONDUITS FLUSH WITH
THE FLOOR AND FILL IN WITH GROUT.



PICTURE #4
EXISTING JB OUTSIDE THE COOLER WITH BX
WIRING INTO THE CEILING ABOVE THE EQUIPMENT.
RELOCATE AS REQUIRED.

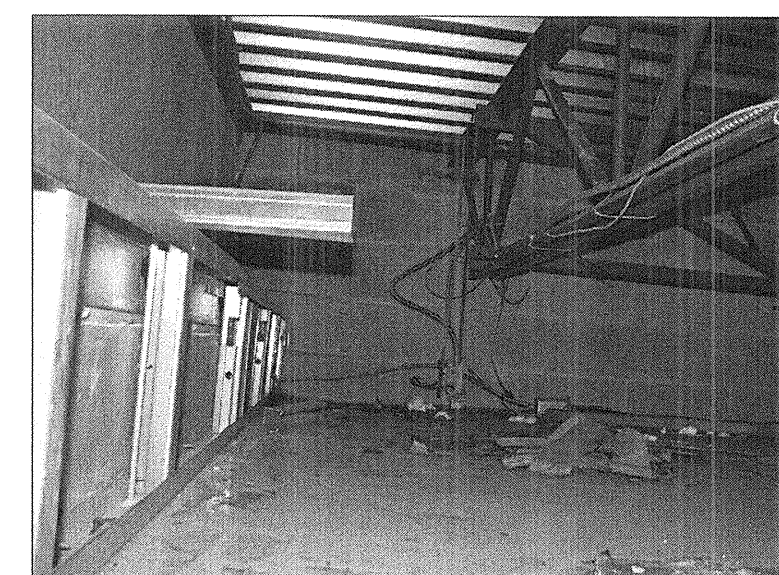


UNIT AK - ADMINISTRATION/KITCHEN BLDG. - PARTIAL LOWER LEVEL PLAN


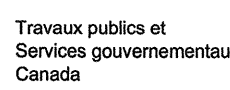
SCALE: 1:100



PICTURE #3
EXISTING COMPRESSOR LOCATED AT BOTTOM
LEFT. USE EXISTING WIRING AND DISCONNECT
SWITCH FOR NEW COMPRESSOR.



PICTURE #5
EXISTING BX WIRING AND JB ABOVE THE
NON-ACCESSIBLE CEILING SPACE ABOVE THE EXISTING
COOLER. REMOVE AND RE-INSTALL AS REQUIRED.

 <div>Public Works and Government Services Canada</div>			 <div>Travaux publics et Services gouvernementaux Canada</div>								
REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique											
<div>1 ISSUED FOR TENDER 20/02/14</div> <div>0 ISSUED FOR 90% REVIEW 11/02/14</div> <table><thead><tr><th>Revision/</th><th>Description/Description</th><th>Date/Date</th></tr></thead><tbody><tr><td>0</td><td></td><td></td></tr></tbody></table> <div>Client/client</div> <div>Correctional Services Canada</div> <div>Project title/Titre du projet</div> <div>Various Institutions Finishing Kitchen</div> <div>Consultant Signature Only</div> <div>Designed by/Concept par M. Dezfooli</div> <div>Drawn by/Dessiné par W. Casol February 2014</div> <div>PWSSC Project Manager/Administrateur de Projets TPSSC S. Leslie</div> <div>Regional Manager, Architectural and Engineering Services Gestionnaire régional, Services d'architecture et de génie, TPSSC P. Vasek</div> <div>Drawing title/Titre du dessin</div> <div>Mission Institution Floor Plans</div> <div>Project No./No. du projet R.067189.001</div> <div>Sheet/Feuille E1</div> <div>Revision no./ La Révision no. 1</div>						Revision/	Description/Description	Date/Date	0		
Revision/	Description/Description	Date/Date									
0											

