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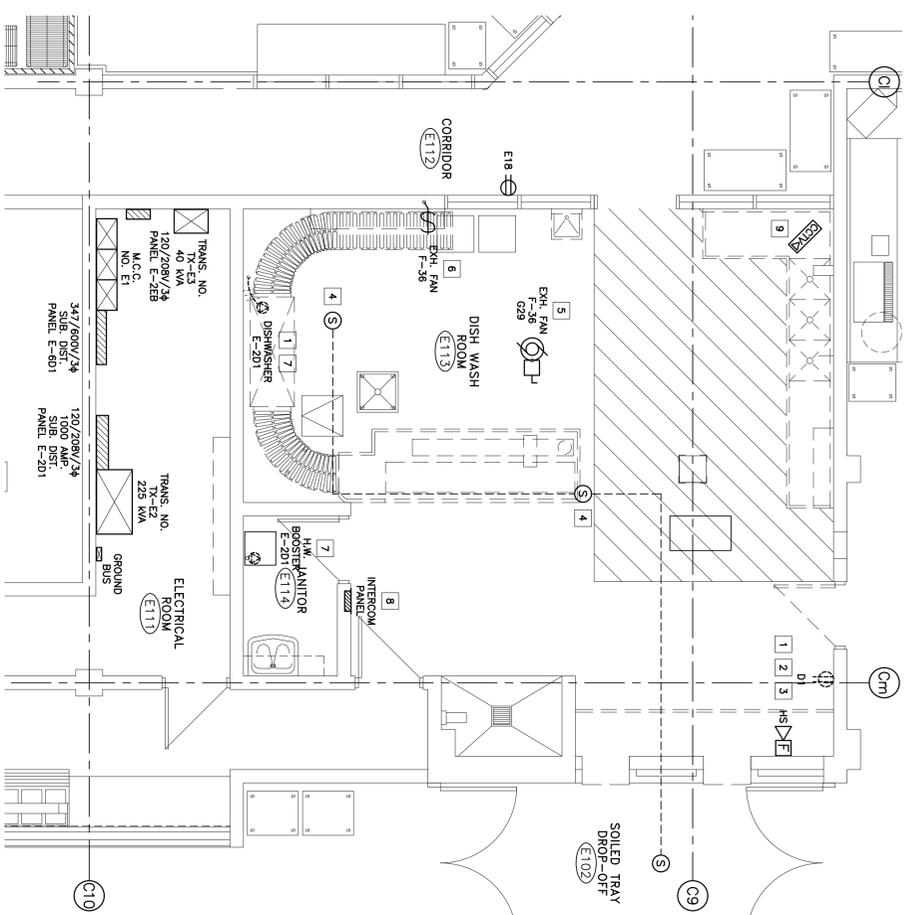


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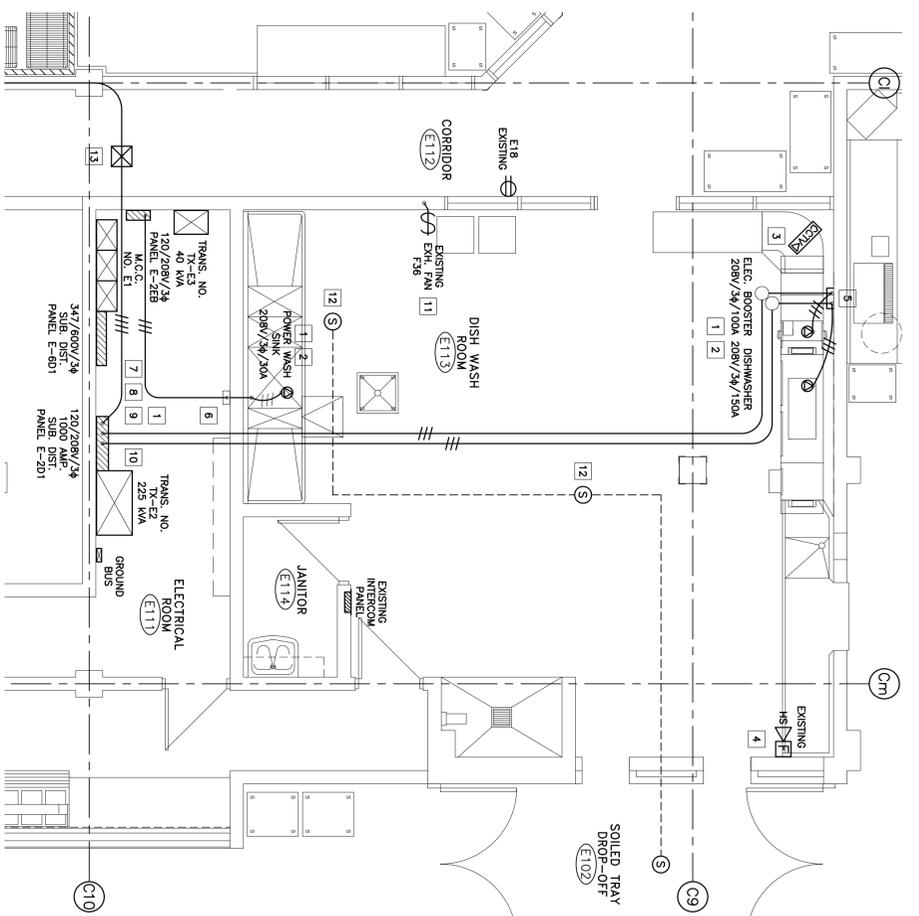
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Client/Client
CORRECTIONAL SERVICES CANADA
Project Title/Title du projet
GRANDE CACHE INSTITUTION
GRANDE CACHE, ALBERTA
FOOD SERVICES
DISH ROOM REVITALIZATION

Project No./No. du projet	R.061948.001	Sheet/Feuille	E2	Revision/Version	0
Drawn by/Dessiné par	JEF	Checked by/Vérifié par	JEF	Approved by/Approuvé par	JEF
Design Title/Title du dessin	DISH WASH RM. - ELEC. DEMO PLAN DISH WASH RM. - ELECTRIC LAYOUT POWER & AUXILIARY LAYOUT				
Client/Client	CORRECTIONAL SERVICES CANADA				
Project No./No. du projet	R.061948.001				
Sheet/Feuille	E2				
Revision/Version	0				



1
DISH WASH ROOM
POWER & AUXILIARY DEMOLITION PLAN
SCALE: 1:50



2
DISH WASH ROOM
POWER & AUXILIARY RENOVATION PLAN
SCALE: 1:50

POWER & AUXILIARY DEMOLITION NOTES:

- EXISTING ELECTRICAL LAYOUTS ARE DIAGNOSTIC AND ARE NOT TO BE CONSIDERED COMPLETE AS-BUILT DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ON SITE ALL CONDITIONS, LOCATIONS, QUANTITIES AND MEASUREMENTS WITH THE GENERAL CONTRACTOR PRIOR TO COMMENCING THE WORK (COORDINATE WITH THE GENERAL CONTRACTOR) TO DETERMINE THE EXACT SCOPE OF DEMOLITION WORK AT NO ADDITIONAL COST TO THE CONTRACT.
- EXISTING DUPLEX RECEPTACLE WALL OUTLET TO BE REMOVED. CONFIRM EXACT LOCATION, CONDUIT RACKING, OUTLET WIRING AND TIE-OFF BRANCH CIRCUIT.
- EXISTING FIRE ALARM SYSTEM HORN/STROBE OUTLET TO BE REMOVED AND SECURITY SYSTEM TO BE REMOVED. CONFIRM EXACT LOCATION, CONDUIT RACKING, OUTLET WIRING AND TIE-OFF BRANCH CIRCUIT.
- EXISTING PA SOUND SYSTEM CEILING SPEAKER OUTLETS TO BE REMOVED. SECURITY STORED AND REINSTALLED AS REQUIRED TO ACCOMMODATE NEW CEILING. CONFIRM EXACT OPERATIONAL DURING CONSTRUCTION.
- EXISTING MECHANICAL SYSTEM EXHAUST FAN, WALL SWITCH AND POWER CONNECTIONS TO REMAIN.
- EXISTING WALL EXHAUST FAN SWITCH TO REMAIN AND WIRING DEVICE UPGRADED.
- EXISTING INTERCOM EQUIPMENT (DISWASHER & HM BOOSTER) POWER TO BE DISCONNECTED. CONFIRM EXACT LOCATION, CONDUIT RACKING, OUTLET WIRING AND TIE-OFF BRANCH CIRCUIT.
- EXISTING SECURITY SYSTEM DOOR ENTRY INTERCOM PANEL TO REMAIN.
- EXISTING SECURITY SYSTEM CCTV OUTLET TO BE REMOVED. SECURITY STORED, REINSTALLED AND TESTED FOR PROPER OPERATION AS REQUIRED TO ACCOMMODATE NEW CEILING INSTALLATION.

SUB-DISTRIBUTION PANELBOARD E-2D1 (120/208V/3Ø)

ITEM NO.	DIRECTORY DESCRIPTION	BREAKER RATING	FEEDER CONDUCTOR AND CONDUIT SIZE	REMARKS
1	DISWASHER	150 AMP - 3P	3-#1/0 AWG CU XLPE IN 41 EMT	NEW FEEDER APPROX. 15M
2	H.M. BOOSTER	100 AMP - 3P	3-#3 AWG CU XLPE IN 35 EMT	NEW FEEDER APPROX. 15M
3	EXISTING	200 AMP - 3P	EXISTING	EXISTING FEEDER
4	EXISTING	200 AMP - 3P	EXISTING	EXISTING FEEDER
5	EXISTING	200 AMP - 3P	EXISTING	EXISTING FEEDER
6	EXISTING	200 AMP - 3P	EXISTING	EXISTING FEEDER
7	EXISTING	100 AMP - 3P	EXISTING	EXISTING FEEDER
8	EXISTING	100 AMP - 3P	EXISTING	EXISTING FEEDER
9	EXISTING	100 AMP - 3P	EXISTING	EXISTING FEEDER
10	EXISTING	70 AMP - 3P	EXISTING	EXISTING FEEDER
11	TEMPERARY SERVICE TRAILER	200 AMP - 3P	3-#250 MM ² AL XLPE IN 78 EMT AND/OR TECH 90 5/8" GBL.	NEW FEEDER APPROX. 55M
12	SPACE	-	-	-

NOTE:
EXISTING PANELBOARDS TO HAVE NEW TYPE WRITTEN UPDATED DIRECTORIES. CONFIRM ON SITE ALL BRANCH CIRCUIT NUMBERS, ASSOCIATED LOADS AND AREAS SERVED AND INCLUDE DATA WITHIN THE NEW TYPEWRITTEN DIRECTORIES.
EXISTING 3-POLE BREAKERS (TWO UNITS) THAT ARE TO BE REMOVED SHALL BE TURNED OVER TO THE DEPARTMENTAL REPRESENTATIVE.

POWER & AUXILIARY LAYOUT NOTES:

- COORDINATE ALL POWER & AUXILIARY INSTALLATIONS WITH ARCHITECTURAL, MECHANICAL AND STRUCTURAL LAYOUTS. CONFIRM EXACT LOCATIONS AND METHODS FOR OUTLET SUPPORTS ON SITE PRIOR TO INSTALLATIONS. MAKE ANY ADJUSTMENTS IN THE LAYOUTS AS REQUIRED TO ACCOMMODATE ALL THE WORK AT NO ADDITIONAL COSTS TO THE CONTRACT.
- MAKE CONNECTIONS TO ALL NEW KITCHEN EQUIPMENT (SUPPLIED BY GEN. CONTRACTOR). REFER TO SHOP DRAWINGS, MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE COMPLETE WITH DISCONNECT SWITCHES SIZED TO SUIT.
- REINSTALL EXISTING SECURITY SYSTEM CCTV OUTLET C/W NEW HIGH SECURITY PROTECTION ENCLOSURE (NEMA TYPE 1, ALUMINUM UPPER SECTION, 14 GA. SEAM WELDED LOWER SECTION WITH WHITE POLYESTER POWDER COAT FINISH, 6.55 LEAK VENTING WINDOW, AND THESE FOR PROPER OPERATION AS REQUIRED TO ACCOMMODATE NEW CEILING OPERATION. PRIOR TO FINAL COMPLETION AND OCCUPANCY.
- RUN NEW BRANCH CIRCUITS FROM CEILING SPACE DOWN, WALLS BEHIND S.S. COVER PLATE SHIELDS (SUPPLIED BY MECHANICAL). CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE.
- RUN NEW BRANCH CIRCUIT FROM CEILING SPACE DOWN TO PULL BOX AND THROUGH CONCRETE BLOCK WALL (CORE IN A NEAT MANNER). CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE.
- CONNECT NEW POWER WASH SINK BRANCH CIRCUIT INTO EXISTING PANELBOARD (FP) E-2D1 C/W 3Ø, 3-POLE BREAKER TO SUIT. CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE AND RUN 3-#10 AWG CU XLPE IN 16 EMT AS REQUIRED.
- CONNECT NEW DISWASHER AND HM BOOSTER BRANCH CIRCUITS INTO EXISTING SUB-DIST. PANELBOARD (FP) E-2D1 C/W 3Ø, 3-POLE BREAKERS TO SUIT. CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE AND RUN 3-#10 AWG CU XLPE IN 16 EMT AND/OR TECH 90 5/8" GBL.
- CONNECT NEW TEMPORARY DISWASHING TRAILER INTO EXISTING SUB-DIST. PANELBOARD (FP) E-201 C/W 200A 3-POLE TO SUIT. CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE AND RUN 4-#250 MM² AL XLPE IN 78 EMT AND/OR TECH 90 5/8" GBL. CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE AND RUN 3-#10 AWG CU XLPE IN 41 EMT, 3-#3 AWG CU XLPE IN 35 EMT.
- RUN NEW BRANCH CIRCUITS UP THROUGH CONCRETE CEILING (CORE IN A NEAT MANNER) INTO CEILING SPACE. CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE.
- EXISTING MOTOR PROTECTION WALL SWITCH WIRING DEVICE TO BE REPLACED WITH NEW INDUSTRIAL GRADE DEVICE C/W COVER PLATE (MATCH TO EXISTING) AND CONNECT.
- REINSTALL EXISTING SOUND SYSTEM CEILING SPEAKER OUTLETS. CONFIRM EXACT LOCATIONS, CONDITIONS AND REQUIREMENTS ON SITE. RECONNECT INTO EXISTING SOUND CONDUCTORS AND TEST FOR PROPER OPERATION.
- GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL WATER TIGHT ROOF CURB FOR TEMPORARY TRAILER POWER FEEDER RISER ONTO ROOF. CONFIRM EXACT LOCATION, CONDITIONS AND REQUIREMENTS ON SITE.