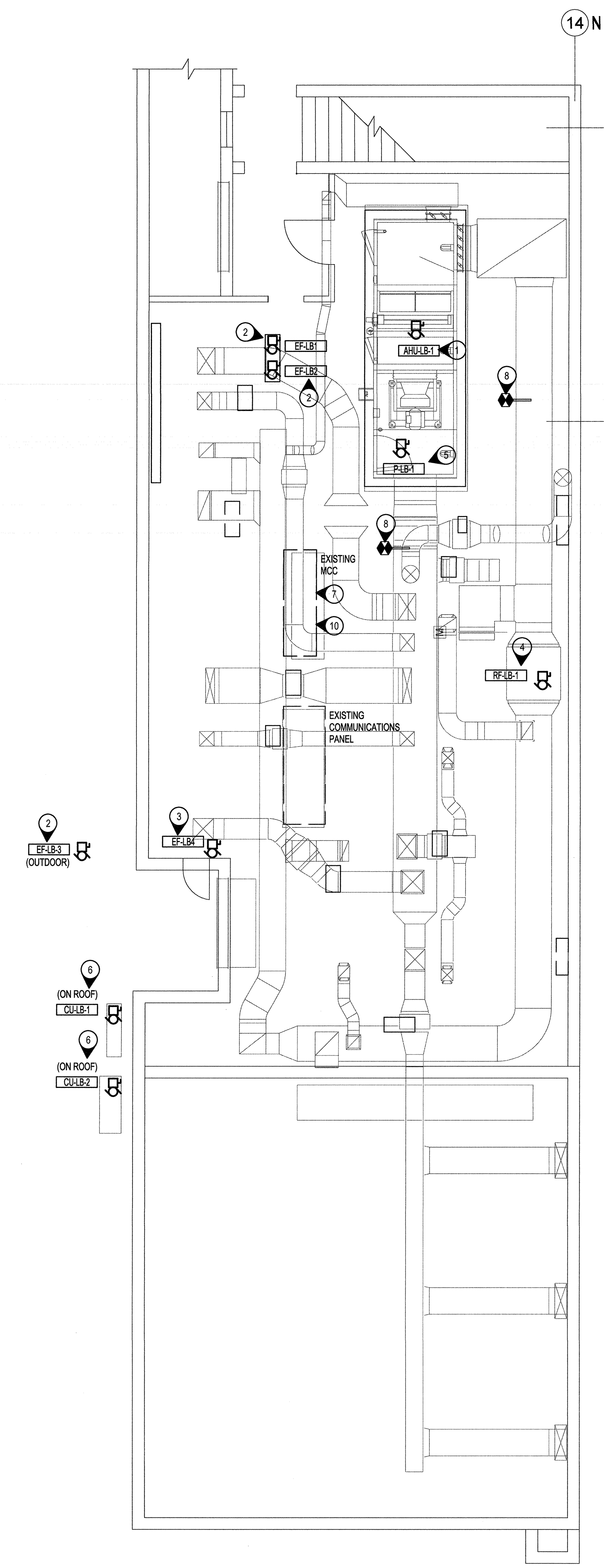
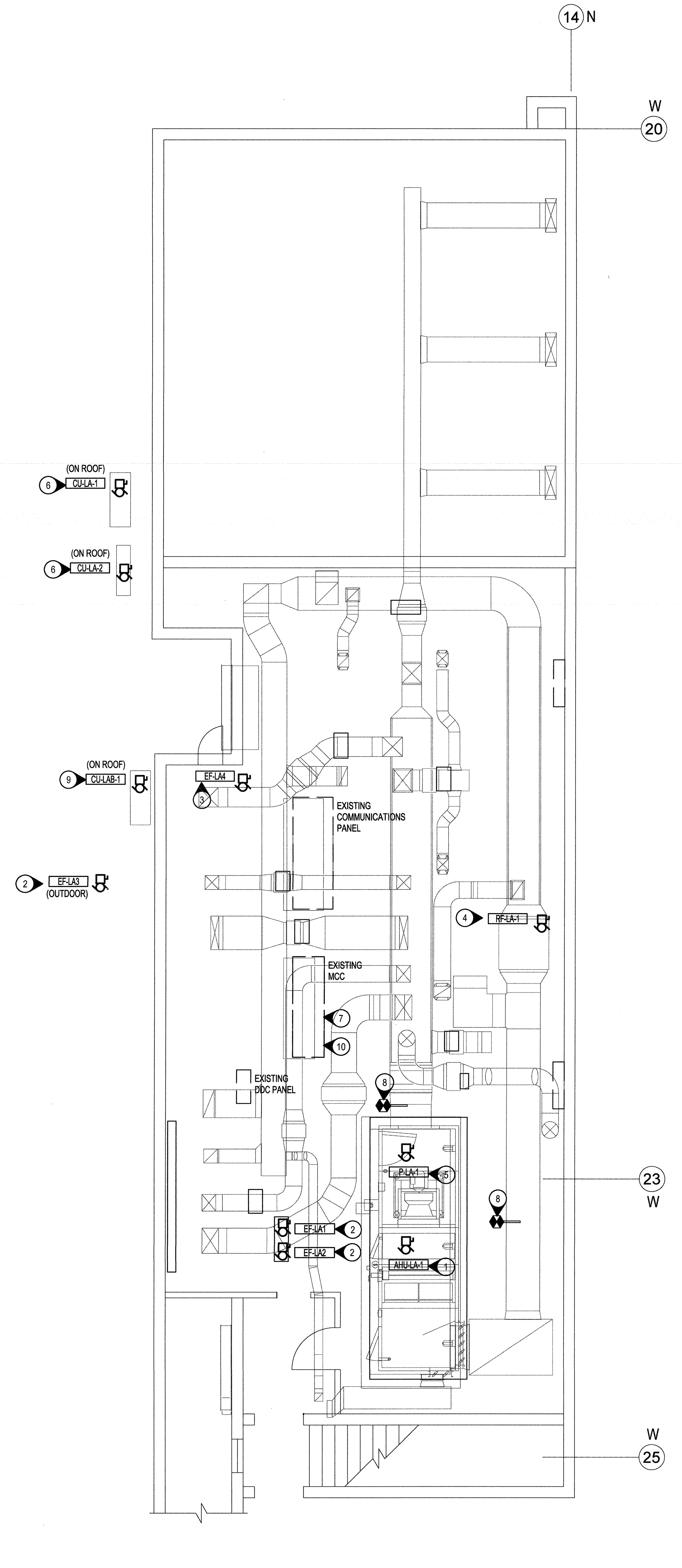



1
POWER LAYOUT - TYPICAL FOR LIVING UNITS IN BLOCK B, D, F, H
SCALE 1 : 50




2
POWER LAYOUT - TYPICAL FOR LIVING UNITS IN BLOCK A, C, E, G
SCALE 1 : 50

## GENERAL NOTES :

1. FOR EXACT LOCATION AND ORIENTATION OF THE MECHANICAL EQUIPMENT SEE MECHANICAL DRAWING PACKAGE.
2. LIVING UNIT A TO H ARE IDENTICAL. EACH LIVING UNIT HAS ITS OWN EQUIPMENT ROOM. THERE IS ONE MCC AND ONE COMMUNICATION PANEL ALONG WITH OTHER EQUIPMENT IN EACH LIVING UNIT EQUIPMENT ROOM. PANEL NAME TAG MIGHT DIFFER FROM EXISTING DRAWING.
3. WIRE SIZES SHOWN ARE MINIMUM REQUIRED. CONTRACTOR SHALL PROVIDE WIRE SIZES THAT SATISFY THE VOLTAGE DROP PER CANADIAN ELECTRICAL CODE ONCE THE FINAL ROUTE IS ESTABLISHED.
4. RE-USE THE EXISTING CONDUITS FOR THE NEW FEEDER CABLES. MODIFY THE CONDUIT ROUTING AT THE LOAD ENDS IF THE NEW EQUIPMENT TERMINATION POINT IS NOT EXACTLY IN THE SAME LOCATION AS EXISTING. THE MODIFICATIONS MUST BE SAFE, EFFICIENT AND PRACTICAL AND MEET CEC REQUIREMENTS.
5. ENSURE NO DISTURBANCE/HAZARD TO THE EXISTING ASSETS. PROVIDE A COVER TO PROTECT THE COMMUNICATION PANEL WHILE WORKING ON THE MCC.
6. ALLOW FOR RE-RE OF EXISTING LIGHTS FOR THE NEW MECHANICAL DUCT WORKS. CO-ORDINATE WITH MECHANICAL.

## KEY NOTES:

1 EXISTING AIR HANDLING UNIT E.G. AHU-LA-1 ONE IN EACH LIVING UNIT A-H TYPICAL OF 8 SHALL BE REPLACED WITH NEW UNIT. ABANDON EXISTING STARTER AND LABEL AS 'SPARE'. PROVIDE 15A, 3Ø, 600V CIRCUIT BREAKER FOR THE NEW UNIT IN MCC.

2 EXHAUST FAN E.G. EF-LA-1, EF-LA-2, EF-LA-3 TYPICAL FOR 8 LIVING UNIT A-H SHALL BE REPLACED WITH NEW EXHAUST FAN. REPLACE THE EXISTING STARTER WITH NEW MANUAL STARTER FOR THE NEW UNIT. PROVIDE MOTOR OVER CURRENT AND OVERLOAD PROTECTION AS NECESSARY.

3 EXHAUST FAN E.G. EF-LA-4 TYPICAL FOR 8 LIVING UNIT A-H ARE NEW. PROVIDE NEW MANUAL STARTER IN MCC TO FEED EF-4. PROVIDE PROPER LABEL. PROVIDE 2#12AWG + G IN 21mm CONDUIT.

4 RETURN FAN E.G. RF-LA-1 TYPICAL FOR 8 LIVING UNIT A-H SHALL BE REPLACED WITH NEW RETURN FAN. RE-USE EXISTING STARTER FOR THE NEW UNIT. INSPECT THE STARTER IN ORDER TO ASSURE GOOD WORKING CONDITION. PROVIDE MOTOR OVERCURRENT AND OVERLOAD PROTECTION, AS NECESSARY.

5 SECONDARY HOT WATER PUMP E.G. P-LA-1 TYPICAL FOR 8 LIVING UNIT A-H SHALL BE REPLACED WITH NEW UNIT. NEW PUMP TO BE LOCATED IN A DIFFERENT LOCATION THAN EXISTING. REPLACE EXISTING STARTER IN THE MCC WITH NEW MANUAL STARTER. PROVIDE NEW CONDUIT AND PULL NEW CABLE TO FEED THE NEW PUMP. DEMOLISH EXISTING CONDUIT FEEDING THE EXISTING PUMP.

6 PROVIDE NEW 15A, 2 POLE BREAKER IN THE EXISTING PANEL TO FEED NEW CONDENSING UNIT E.G. CU-LA-1 TYPICAL. PROVIDE NEW 15A, 2 POLE CIRCUIT BREAKER. PROVIDE PROPER LABEL. PROVIDE 21mm CONDUIT AND 2#12 AWG CONDUCTOR PLUS GROUND. AIR CONDITIONING UNIT E.G. AC-LA-1 TO BE FED FROM THE ASSOCIATED CONDENSING UNIT E.G. CU-LA-1. ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRING BETWEEN AIR CONDITIONING UNIT AND CONDENSING UNIT. FOLLOW MANUFACTURER'S INSTRUCTIONS.

7 EXISTING MOTOR CONTROL CENTER (MCC) WERE MANUFACTURED BY WESTINGHOUSE IN THE 1970'S. TYPICAL OF 8, 1 IN EACH LIVING UNIT EQUIPMENT ROOM. EACH MCC IS FED 100A, 600V, 3 PHASE POWER FROM THE 1250A, 600V, 3 PHASE AUTOMATIC TRANSFER BUS. E.G LIVING UNIT B IS FED BY MCC A4E WHICH CONSISTS OF 3 BACK TO BACK SECTIONS OF MCC CONTAINING THE 600V, SIZE 1 STARTERS FOR THE SUPPLY AND RETURN FANS, 70A, 600V CIRCUIT BREAKER FOR THE 45KVA INTEGRAL TRANSFORMER, AND 3X70A, 208V CIRCUIT BREAKERS FOR THE 3-120/208V INTEGRAL PANELBOARDS. SEE DWG E0-03 FOR REFERENCE TO EXISTING MCC DWG NO. PROVIDE NEW MANUAL STARTERS FOR NEW & REPLACED 120/208V EQUIPMENT AND NEW 600V CIRCUIT BRAKERS..

8 DISCONNECT AND REMOVE DUCT SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCTS. AFTER THE NEW DUCT WORK IS INSTALLED, RE-INSTALL THE SMOKE DETECTORS IN THE SUPPLY AND RETURN DUCT WORK. PROVIDE NEW CABLING FROM THE FIRE ALARM ISOLATION MODULE TO THE DUCT SMOKE DETECTOR. PROVIDE RE-VERIFICATION OF THE FIRE ALARM SYSTEM. FIRE ALARM PANEL TO SHUT OFF THE AIR HANDLING UNIT IN THE EVENT OF A FIRE.

9 CONDENSING UNIT E.G.CU-LAB-1 IS A COMMON UNIT BETWEEN THE ADJACENT LIVING UNITS. FOR EXAMPLE, CU-LAB-1 IS COMMON UNIT BETWEEN LIVING UNIT A AND B. IN TOTAL THERE SHALL BE 4 CONDENSING UNITS IN 8 LIVING UNITS A-H. PROVIDE PROPER LABEL. PROVIDE 21mm CONDUIT AND 2#12AWG CONDUCTOR PLUS GROUND FEEDER. PROVIDE NEW 15A, 2 POLE BREAKER IN THE EXISTING PANEL TO FEED NEW CONDENSING UNIT E.G. CU-LAB-1. AIR CONDITIONING UNIT E.G. AC-LAB-1 TO BE FED FROM THE ASSOCIATED CONDENSING UNIT E.G. CU-LAB-1. ELECTRICAL CONTRACTOR TO PROVIDE FIELD WIRING BETWEEN AIR CONDITIONER AND CONDENSING UNIT. FOLLOW MANUFACTURER'S INSTRUCTIONS.

10 ALLOWANCE TO RE-RE CONDUITS TO ALLOW INSTALLATION OF NEW DUCTWORKS.

## CONSTRUCTION PHASE - ONLY FOR REPLACEMENT OF EXISTING MECHANICAL EQUIPMENT WITH NEW:

1. ENSURE A SAFE WORK PROCEDURE IS FOLLOWED WITH NO SAFETY HAZARDS.
2. DE-ENERGIZE THE LOAD AT THE SOURCE AND FOLLOW LOCK-OUT PROCEDURES. DISCONNECT THE CONNECTIONS AT THE EXISTING EQUIPMENT TERMINALS.
3. MODIFY THE CONDUIT ROUTING ONLY AT THE EQUIPMENT SIDE TEMPORARILY IN ORDER TO ALLOW FOR EXISTING MECHANICAL EQUIPMENT DEMOLITION AND INSTALLATION OF NEW EQUIPMENT.
4. PROVIDE PROPER ALIGNMENT OF EXISTING CONDUIT TO FEED THE NEW EQUIPMENT.
5. NO SPLICES IN THE CABLES FROM MCC TO THE EQUIPMENT WILL BE ACCEPTED.

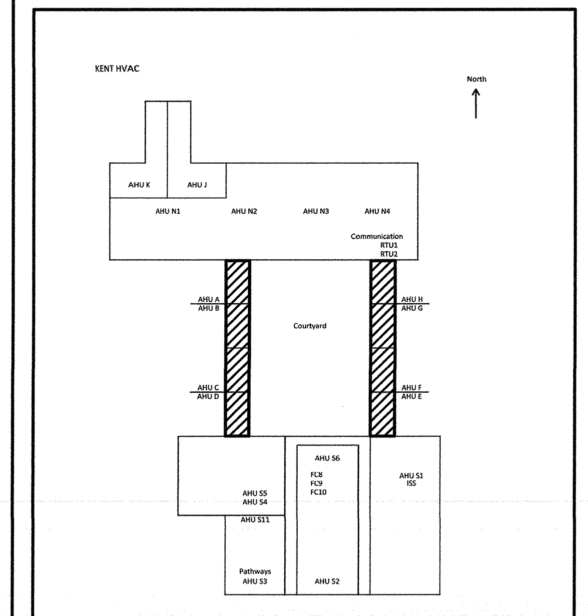
1 : 50
0 1m 2m 3m 4m 5m

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

CONSULTANTS:

wsp



KEY PLAN

AUG 1 6 2017

| Revision/ Revision | Description/Description | Date/Date |
|---|---|---|
| | | |
| 1 | ISSUED FOR TENDER | 2017-08-16 |

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet

**AGASSIZ, BC**
**KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par
**I. HASSAN**

Drawn by/Dessine par
**L. CADIENTE**

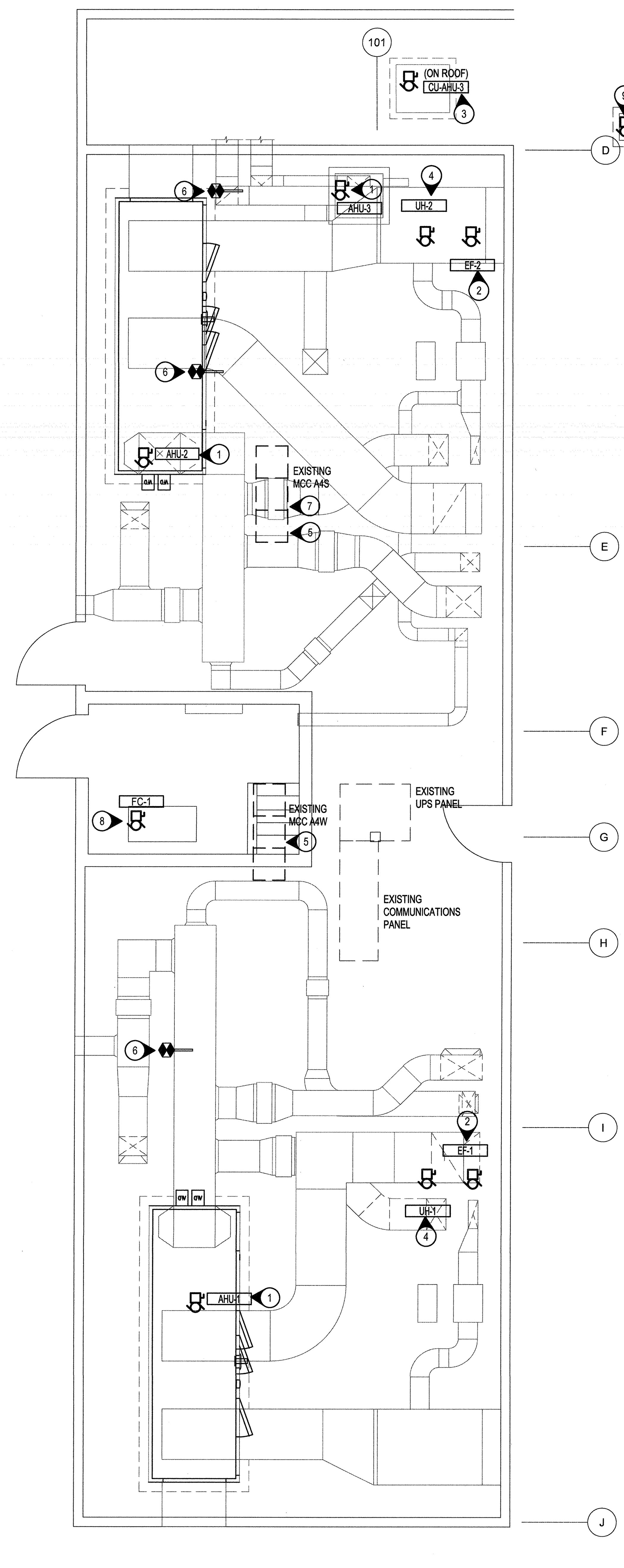
PWGSC Project Manager/Administrateur de Projets TPSGC
**PREETIPAL PAUL**

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin

TYPICAL LIVING UNIT A TO H MECHANICAL EQUIPMENT ROOM - POWER LAYOUT

| Project No./No. du projet | Sheet/ Feuille | Revision no./ La Révision no. |
|---|---|---|
| R.077723.001 | E0-01 (1 OF 4) | 1 |




1 - POWER LAYOUT - LIVING UNITS J AND K
SCALE : 1 : 50

PROJECT NORTH

## GENERAL NOTES :

1. FOR EXACT LOCATION AND ORIENTATION OF THE MECHANICAL EQUIPMENT SEE MECHANICAL DRAWING PACKAGE.
2. WIRE SIZES SHOWN ARE MINIMUM REQUIRED. CONTRACTOR SHALL PROVIDE WIRE SIZES THAT SATISFY THE VOLTAGE DROP PER CANADIAN ELECTRICAL CODE ONCE THE FINAL ROUTE IS ESTABLISHED.
3. RE-USE THE EXISTING CONDUITS FOR THE NEW FEEDER CABLES. MODIFY THE CONDUIT ROUTING AT THE LOAD ENDS IF THE NEW EQUIPMENT TERMINATION POINT IS NOT EXACTLY IN THE SAME LOCATION AS EXISTING. THE MODIFICATIONS MUST BE SAFE, EFFICIENT AND PRACTICAL AND MEET CEC REQUIREMENTS.
4. MAKE SURE NO DISTURBANCE/HAZARD TO THE EXISTING ASSETS. PROVIDE A COVER TO PROTECT THE COMMUNICATION PANEL WHILE WORKING ON THE MCC.
6. ALLOW FOR RE-RE OF THE EXISTING LIGHTS FOR THE NEW MECHANICAL DUCT WORKS. COORDINATE WITH MECHANICAL.

## KEY NOTES:

1. EXISTING AIR HANDLING UNIT AHU-1 (LIVING UNIT J) AND AHU-2 (LIVING UNIT K) SHALL BE REPLACED WITH NEW UNITS. ABANDON EXISTING STARTERS AND LABEL AS 'SPARE'. PROVIDE 15A, 3Ø, 600V CIRCUIT BREAKER FOR THE NEW UNITS IN MCC. EXISTING AIR HANDLING UNIT AH-3 (LIVING UNIT K) SHALL BE REPLACED WITH NEW UNIT. RE-USE EXISTING STARTER FOR THE NEW UNIT. INSPECT THE STARTER IN ORDER TO ASSURE GOOD WORKING CONDITION. PROVIDE MOTOR OVER CURRENT AND OVERLOAD PROTECTION AS NECESSARY.
2. EXHAUST FANS EF-1 AND EF-2 SHALL BE REPLACED WITH NEW EXHAUST FANS. REPLACE THE EXISTING STARTERS WITH NEW MANUAL STARTERS FOR THE NEW UNITS. PROVIDE MOTOR OVER CURRENT AND OVERLOAD PROTECTION AS NECESSARY.
3. CU-AHU-3 IS THE CONDENSING UNIT FOR AHU-3. PROVIDE A NEW 2 POLE 20A BREAKER IN THE PANEL BOARD A4Z WHICH IS PART OF MCC A4S TO FEED CU-AHU-3. PROVIDE PROPER LABEL. PROVIDE NEW 2#12 PLUS GROUND IN 21mm CONDUIT.
4. UNIT HEATER UH-1 AND UH-2 SHALL BE REPLACED WITH NEW UNITS. REPLACE THE EXISTING STARTERS WITH NEW MANUAL STARTER FOR THE NEW UNITS. PROVIDE MOTOR OVER CURRENT AND OVERLOAD PROTECTION AS NECESSARY. ALLOW FOR MODIFICATIONS OF EXISTING CONDUIT ROUTE ON THE EQUIPMENT END IF NEW EQUIPMENT TERMINAL IS NOT EXACTLY IN THE SAME LOCATION AS THE EQUIPMENT BEING REPLACED.
5. PROVIDE NEW 120/208V MANUAL STARTERS FOR NEW AND REPLACED EQUIPMENT AND NEW 600V CIRCUIT BREAKERS.
6. DISCONNECT AND REMOVE DUCT SMOKE DETECTORS IN THE SUPPLY DUCTS. AFTER THE NEW DUCT WORK IS INSTALLED, RE-INSTALL THE SMOKE DETECTORS IN THE SUPPLY DUCT WORK. PROVIDE NEW CABLING FROM THE FIRE ALARM ISOLATION MODULE TO THE SMOKE DETECTOR. PROVIDE RE-VERIFICATION OF THE FIRE ALARM SYSTEM. DUCT SMOKE DETECTOR TO SHUT OFF THE AIR HANDLING UNIT IN THE EVENT OF A FIRE. CONFIRM THE EXACT OF THE DUCT SMOKE DETECTOR WITH MECHANICAL.
7. ALLOWANCE TO RE & RE OF CONDUITS TO ALLOW INSTALLATION OF NEW DUCT WORKS.
8. EXISTING FAN COIL UNIT FC-1 SHALL BE REPLACED WITH NEW UNIT. EXISTING FC-1 HAS 208V 1PH SUPPLY. REPLACE THE EXISTING STARTER ON PANEL A4T SUITABLE FOR THE NEW UNIT. PROVIDE NEW FEEDER CABLE WITH EXISTING CONDUIT. NEW UNIT HAS ELECTRICAL RATING 208V 1PH.
9. NEW CONDENSING UNIT CU-FC-1 LOCATED ON ROOF. PROVIDE NEW FEEDER CABLE TO FEED CU-FC-1. PROVIDE A NEW 2 POLE 25A BREAKER IN THE PANEL BOARD A4Z WHICH IS PART OF MCC A4S TO FEED CU-FC-1. PROVIDE PROPER LABEL. PROVIDE NEW 2#12 PLUS GROUND IN 21mm CONDUIT. MECHANICAL TO PROVIDE CONTROL WIRING BETWEEN FC-1 AND CU-FC-1.

## CONSTRUCTION PHASE - ONLY FOR REPLACEMENT OF EXISTING MECHANICAL EQUIPMENT WITH NEW:

1. ENSURE A SAFE WORK PROCEDURE IS FOLLOWED WITH NO SAFETY HAZARDS.
2. DE-ENERGIZE THE LOAD AT THE SOURCE AND FOLLOW LOCKOUT PROCEDURES. DISCONNECT THE CONNECTIONS AT THE EXISTING EQUIPMENT TERMINAL.
3. MODIFY THE CONDUIT ROUTING ONLY AT THE EQUIPMENT SIDE TEMPORARILY IN ORDER TO ALLOW FOR EXISTING MECHANICAL EQUIPMENT DEMOLITION AND INSTALLATION OF NEW EQUIPMENT.
4. PROVIDE PROPER ALIGNMENT OF EXISTING CONDUIT TO FEED THE NEW EQUIPMENT.
5. NO SPLICES ON THE CABLES FROM MCC TO THE EQUIPMENT WILL BE ACCEPTED.

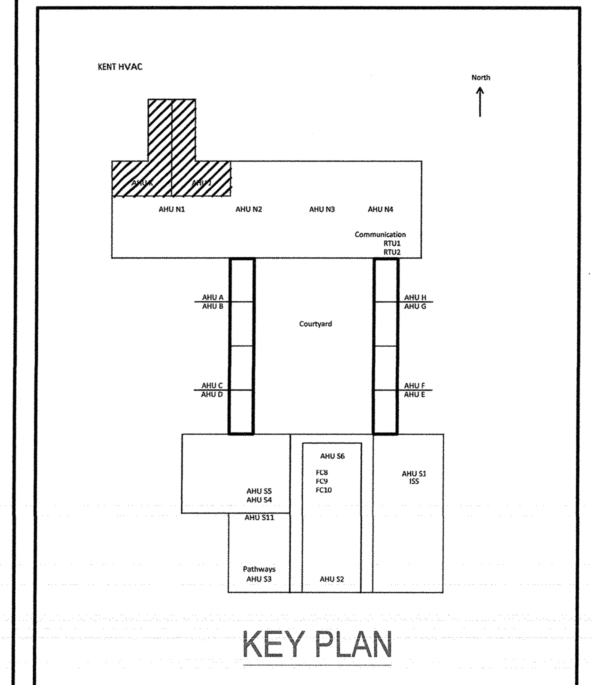
0 1m 2m 3m 4m 5m
1 : 50


Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

CONSULTANTS:

wsp

KEY PLAN

AUG 16 2017

| Revision/ Revision | Description/Description | Date/Date |
|---|---|---|
| 1 | ISSUED FOR TENDER | 2017-08-16 |

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet

**AGASSIZ, BC**
**KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par
**I. HASSAN**

Drawn by/Dessine par
**L. CADIENTE**

PWGSC Project Manager/Administrateur de Projets TPSGC
**PREETIPAL PAUL**

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin

LIVING UNIT J & K
MECHANICAL EQUIPMENT ROOM - POWER LAYOUT

| Project No./No. du projet | Sheet/ Feuille | Revision no./ La Révision no. |
|---|---|---|
| R.077723.001 | E0-02 | 1 |
| | 2 OF 4 | |

DM5XXXXXX

Aug 17, 2017 - 9:23am
M:\15\151-05897-02 Kent Institution Mech System TOR R0 77723.01\DWG\Elect\Issued\2017-08-16 Issued for Tender\CAD\E0-02 (LU J&K).dwg

PWGSC - B1 - 1000X707

## MECHANICAL EQUIPMENT SCHEDULE (M = MECHANICAL; E = ELECTRICAL; V = VENDOR)

| EQUIPMENT | DESCRIPTION | LOCATION | LOAD | | | | | DEVICES | | | STARTER | | | | DISCONNECT SWITCH | | | CONTROL | | | | REFERENCE SCHEMATIC | REMARKS | REFERENCE DWG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIVING UNITS 'A' TO 'H' | | | HP | VOLTS | PHASE | WIRE AND COUNT | MCC/PANEL | SUPPLY | INSTALL | CONNECT | SUPPLY | INSTALL | CONNECT | TYPE | SUPPLY | INSTALL | CONNECT | SUPPLY | INSTALL | CONNECT | TYPE | | | |
| AHU-LA-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'A' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4A | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E47 |
| AHU-LB-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'B' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4E | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E47 |
| AHU-LC-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'C' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4J | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E47 |
| AHU-LD-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'D' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4N | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E47 |
| AHU-LE-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'E' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5A | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E48 |
| AHU-LF-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'F' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5E | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E48 |
| AHU-LG-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'G' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5J | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E48 |
| AHU-LH-1 | AIR HANDLING UNIT | EQUIPMENT ROOM - LIVING UNIT 'H' | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5N | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | PROVIDE SEPARATE 15A, 120V CCT. FOR LIGHTS | E44, E45, E46, E48 |
| RF-LA-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'A' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4A | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E47 |
| RF-LB-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'B' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4E | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E47 |
| RF-LC-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'C' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4J | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E47 |
| RF-LD-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'D' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4N | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E47 |
| RF-LE-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'E' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5A | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E48 |
| RF-LF-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'F' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5E | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E48 |
| RF-LG-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'G' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5J | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E48 |
| RF-LH-1 | RETURN FAN | EQUIPMENT ROOM - LIVING UNIT 'H' | 2.0 | 575 | 3 | 21mmC-3#12 AWG+G | A5N | M | M | E | E | E | M | EC MOTOR | M | M | E | M | M | M | | 8 | | E44, E45, E46, E48 |
| EF-LA-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'A' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LA-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'A' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LA-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LA-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'A' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E47 |
| EF-LB-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'B' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LB-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'B' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LB-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LB-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'B' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E47 |
| EF-LC-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'C' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LC-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'C' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LC-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LC-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'C' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E47 |
| EF-LD-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'D' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LD-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'D' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LD-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| EF-LD-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'D' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E47 |
| EF-LE-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'E' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LE-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'E' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LE-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LE-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'E' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E48 |
| EF-LF-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'F' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LF-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'F' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LF-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LF-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'F' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E48 |
| EF-LG-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'G' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LG-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'G' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LG-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LG-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'G' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E48 |
| EF-LH-1 | EXHAUST FAN - UPPER LEVEL, WASHROOM | EQUIPMENT ROOM - LIVING UNIT 'H' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LH-2 | EXHAUST FAN - UPPER LEVEL, SERVERY | EQUIPMENT ROOM - LIVING UNIT 'H' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LH-3 | EXHAUST FAN - LOWER & UPPER LEVEL, SHOWER/JANITOR | ROOF | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| EF-LH-4 | EXHAUST FAN - UPPER LEVEL, CELLS CORRIDOR | EQUIPMENT ROOM - LIVING UNIT 'H' | 3/4 | 120 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PROVIDE MANUAL STARTER | E44, E45, E46, E48 |
| P-LA-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'A' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| P-LB-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'B' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| P-LC-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'C' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| P-LD-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'D' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E47 |
| P-LE-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'E' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| P-LF-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'F' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| P-LG-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'G' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| P-LH-1 | PUMP - SECONDARY HOT WATER | EQUIPMENT ROOM - LIVING UNIT 'H' | 1.0 | 120 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 7 | REPLACE MANUAL STARTER WITH NEW | E44, E45, E46, E48 |
| AC-LA-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'A' | | 208 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | | | | | | | | M | M | M | | | AC-LA-1 IS FED FROM CU-LA-1 | |
| CU-LA-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LA-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'A' | | 208 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | | | | | | | | M | M | M | | | AC-LA-2 IS FED FROM CU-LA-2 | |
| CU-LA-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LAB-1 | AIR CONDITIONING UNIT - WALL MOUNTED | TUNNEL FOR SECURITY CONTROL BOOTH - LIVING UNITS 'A' & 'B' | | 208 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | | | | | | | | M | M | M | | | AC-LAB-1 IS FED FROM CU-LAB-1 | |
| CU-LAB-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4A | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LB-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'B' | | 208 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | | | | | | | | M | M | M | | | AC-LB-1 IS FED FROM CU-LB-1 | |
| CU-LB-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LB-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'B' | | 208 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | | | | | | | | M | M | M | | | AC-LB-2 IS FED FROM CU-LB-2 | |
| CU-LB-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4E | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LC-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'C' | | 208 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | | | | | | | | M | M | M | | | AC-LC-1 IS FED FROM CU-LC-1 | |
| CU-LC-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LC-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'C' | | 208 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | | | | | | | | M | M | M | | | AC-LC-2 IS FED FROM CU-LC-2 | |
| CU-LC-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LCD-1 | AIR CONDITIONING UNIT - WALL MOUNTED | TUNNEL FOR SECURITY CONTROL BOOTH - LIVING UNITS 'C' & 'D' | | 208 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | | | | | | | | M | M | M | | | AC-LCD-1 IS FED FROM CU-LCD-1 | |
| CU-LCD-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4J | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LD-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'D' | | 208 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | | | | | | | | M | M | M | | | AC-LD-1 IS FED FROM CU-LD-1 | |
| CU-LD-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LD-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'D' | | 208 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | | | | | | | | M | M | M | | | AC-LD-2 IS FED FROM CU-LD-2 | |
| CU-LD-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4N | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E47 |
| AC-LE-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'E' | | 208 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | | | | | | | | M | M | M | | | AC-LE-1 IS FED FROM CU-LE-1 | |
| CU-LE-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LE-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'E' | | 208 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | | | | | | | | M | M | M | | | AC-LE-2 IS FED FROM CU-LE-2 | |
| CU-LE-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LEF-1 | AIR CONDITIONING UNIT - WALL MOUNTED | TUNNEL FOR SECURITY CONTROL BOOTH - LIVING UNITS 'E' & 'F' | | 208 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | | | | | | | | M | M | M | | | AC-LEF-1 IS FED FROM CU-LEF-1 | |
| CU-LEF-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5A | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LF-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'F' | | 208 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | | | | | | | | M | M | M | | | AC-LF-1 IS FED FROM CU-LF-1 | |
| CU-LF-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LF-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'F' | | 208 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | | | | | | | | M | M | M | | | AC-LF-2 IS FED FROM CU-LF-2 | |
| CU-LF-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5E | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LG-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'G' | | 208 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | | | | | | | | M | M | M | | | AC-LG-1 IS FED FROM CU-LG-1 | |
| CU-LG-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LG-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'G' | | 208 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | | | | | | | | M | M | M | | | AC-LG-2 IS FED FROM CU-LG-2 | |
| CU-LG-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5J | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LGH-1 | AIR CONDITIONING UNIT - WALL MOUNTED | TUNNEL FOR SECURITY CONTROL BOOTH - LIVING UNITS 'G' & 'H' | | 208 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | | | | | | | | M | M | M | | | AC-LGH-1 IS FED FROM CU-LGH-1 | |
| CU-LGH-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LH-1 | AIR CONDITIONING UNIT - WALL MOUNTED | OFFICE ROOM - LIVING UNIT 'H' | | 208 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | | | | | | | | M | M | M | | | AC-LH-1 IS FED FROM CU-LH-1 | |
| CU-LH-1 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| AC-LH-2 | AIR CONDITIONING UNIT - WALL MOUNTED | CLASSIFIC OFFICE - LIVING UNIT 'H' | | 208 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | | | | | | | | M | M | M | | | AC-LH-2 IS FED FROM CU-LH-2 | |
| CU-LH-2 | CONDENSING UNIT | ROOF | 1.0 | 208 | 1 | 21mmC-2#12 AWG+G | A5N | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | | E44, E45, E46, E48 |
| LIVING UNITS 'J' & 'K' | | | | | | | | | | | | | | | | | | | | | | | | |
| AHU-1 | AIR HANDLING UNIT - SUPPLY FAN, LIVING UNIT 'J' | MECHANICAL ROOM - LEVEL THREE | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4W | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | | E44,E14 |
| | AIR HANDLING UNIT - RETURN FAN, LIVING UNIT 'J' | MECHANICAL ROOM - LEVEL THREE | 3.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4W | M | M | V | M | M | M | VFD | | | | M | M | M | | 1 | | E44,E14 |
| AHU-2 | AIR HANDLING UNIT - SUPPLY FAN, LIVING UNIT 'K' | MECHANICAL ROOM - LEVEL THREE | 5.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4S | M | M | V | M | M | M | VFD | M | M | E | M | M | M | | 1 | | E44,E14 |
| | AIR HANDLING UNIT - RETURN FAN, LIVING UNIT 'K' | MECHANICAL ROOM - LEVEL THREE | 3.0 | 575 | 3 | 21mmC-3#12 AWG+G | A4S | M | M | V | M | M | M | VFD | | | | M | M | M | | 1 | | E44,E14 |
| AHU-3 | AIR CONDITIONING UNIT - VERTICAL DUCTED UNIT - LIVING UNIT 'K' | EQUIPMENT ROOM - LEVEL THREE | 1/2 | 208 | 1 | 21mmC-2#12 AWG+G | A4S | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 6 | PANEL A4T | E44,E14 |
| CU-AHU-3 | CONDENSING UNIT | ROOF | 3.0 | 208 | 1 | 21mmC-2#12 AWG+G | A4S | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 4 | PANEL A4Z | E44,E14 |
| EF-1 | EXHAUST FAN | MECHANICAL ROOM - LIVING UNIT 'J' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4W | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PANEL A4X | E44,E14 |
| EF-2 | EXHAUST FAN | MECHANICAL ROOM - LIVING UNIT 'K' | 1/4 | 120 | 1 | 21mmC-2#12 AWG+G | A4S | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 2 | PANEL A4T | E44,E14 |
| UH-1 | HOT WATER UNIT HEATER | MECHANICAL ROOM - LIVING UNIT 'J' | 1/2 | 120 | 1 | 21mmC-2#12 AWG+G | A4W | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 3 | PANEL A4X | E44,E14 |
| UH-2 | HOT WATER UNIT HEATER | MECHANICAL ROOM - LIVING UNIT 'K' | 1/2 | 120 | 1 | 21mmC-2#12 AWG+G | A4S | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 3 | PANEL A4T | E44,E14 |
| P-3 | PRIMARY HOT WATER | EQUIPMENT ROOM - NORTH BLOCK | 1 3/4 | 208 | 3 | 21mmC-3#12 AWG+G | | M | M | E | E | E | E | | M | M | E | M | M | M | DDC | 5 | PANEL A3J | E44 |
| FC-1 | CONTROL POST, UNIT J&K | CONTROL POST ROOM AT EQUIPMENT ROOM LEVEL | 1/3 | 208 | 1 | 21mmC-3#12 AWG+G | A4T | M | M | E | E | E | E | EC MOTOR | M | M | E | M | M | M | | 10 | PANEL A4T | E44 |
| CU-FC-1 | CONDENSING UNIT FOR FC-1 | ROOF | | 208 | 1 | 21mmC-3#12 AWG+G | A4Z | M | M | E | E | E | E | CB | E | E | E | M | M | M | | 9 | PANEL A4Z | E44 |

LEGEND:

1. STARTER TYPES
   - VFD = VARIABLE FREQUESNCY DRIVE
   - EC MOTOR = ELECTRICAL COMMUTATING MOTOR
   - CB = CIRCUIT BREAKER
2. M = MECHANICAL CONTRACTOR
3. E = ELECTRICAL CONTRACTOR
4. V = VENDOR

NOTES:

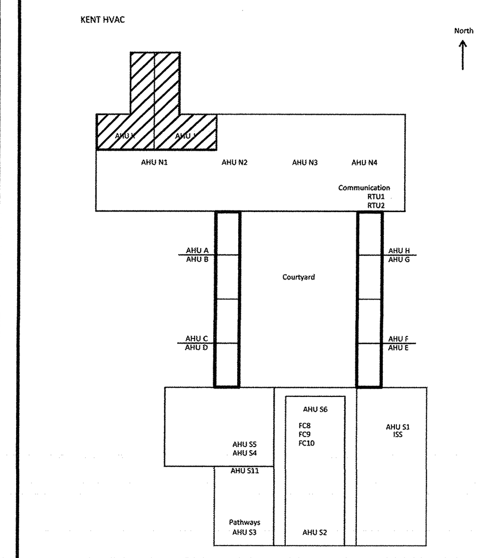
1. CABLE SIZE SHOWN IS THE MINIMUM SIZE ALLOWABLE. CONTRACTOR IS RESPONSIBLE FOR VOLTAGE DROP CALCULATION AND TO INCREASE CABLE SIZE IF REQUIRED BY THE CANADIAN ELECTRICAL CODE.
2. AIR CONDITION (AC) IS SUB-FED FROM CONDENSING UNIT (CU) AND LOAD IS INCLUDED WITH CU. TYPICAL FOR ALL AC UNITS.

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

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

CONSULTANTS:

wsp




KEY PLAN

AUG 16 2017

| Revision/Révision | Description/Description | Date/Date |
|---|---|---|
| 1 | ISSUED FOR TENDER | 2017-08-16 |

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet

**AGASSIZ, BC**
**KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par
**I. HASSAN**

Drawn by/Dessiné par
**L. CADIENTE**

PWGSC Project Manager/Administrateur de Projets TPSGC
**PREETIPAL PAUL**

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin

MECHANICAL EQUIPMENT SCHEDULE

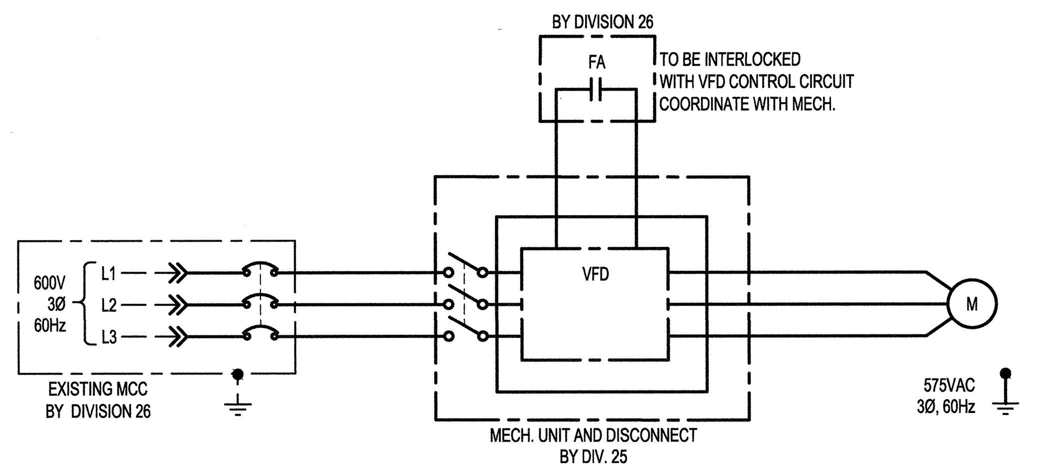
| Project No./No. du projet | Sheet/ Feuille | Revision no./ La Révision no. |
|---|---|---|
| R.077723.001 | E0-03 | 1 |
| | 3 OF 4 | |

Aug 17, 2017 - 9:26am
M:\15151-05897-02 Kent Institution Mech System TOR R.077723.001\DWG\Elect\Issued\2017-08-16 Issued for Tender\CAD\E0-03 (MechSched).dwg

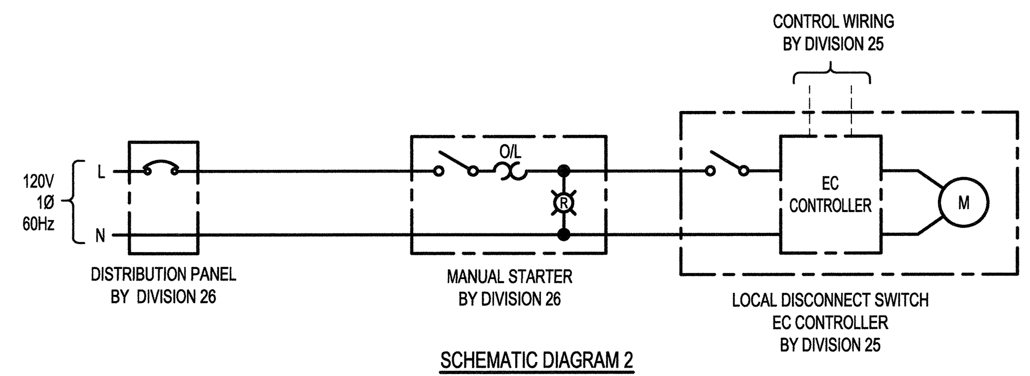
PWGSC - B1 - 1000X707

0 10 20 30 40 50 60 70 80 90 100mm

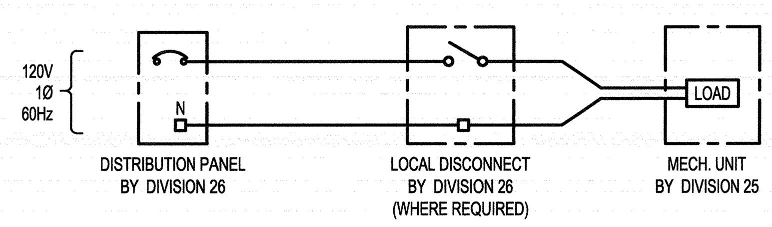
DM5XXXXXX



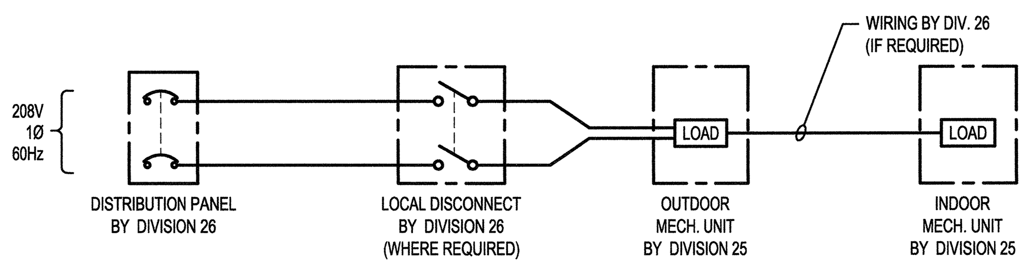

SCHEMATIC DIAGRAM 1



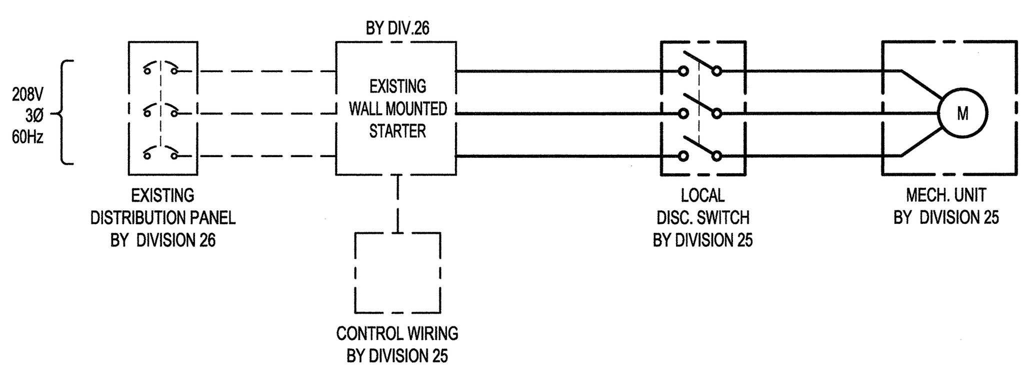

SCHEMATIC DIAGRAM 2



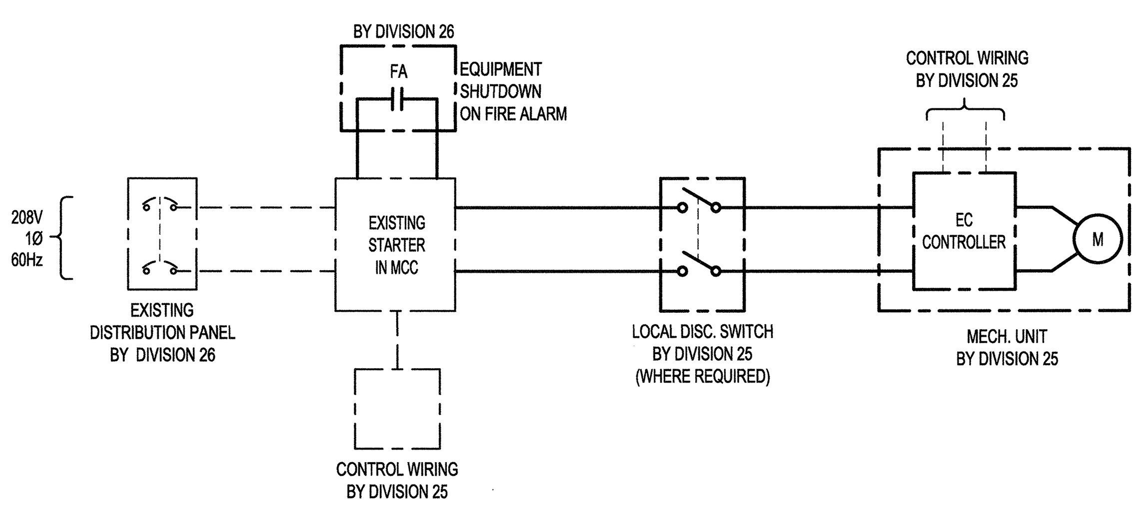

SCHEMATIC DIAGRAM 3



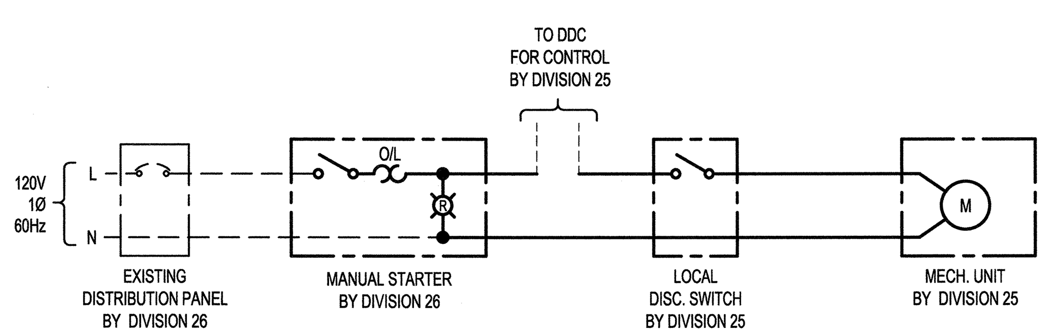

SCHEMATIC DIAGRAM 4



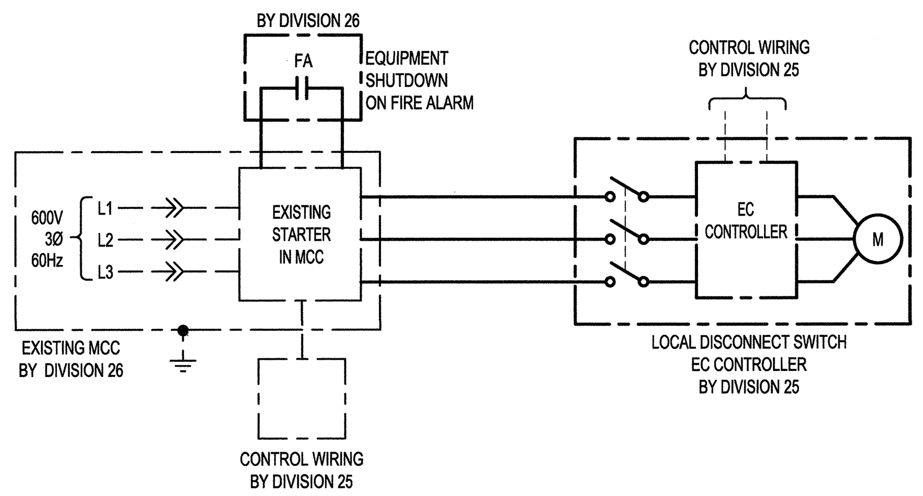

SCHEMATIC DIAGRAM 5



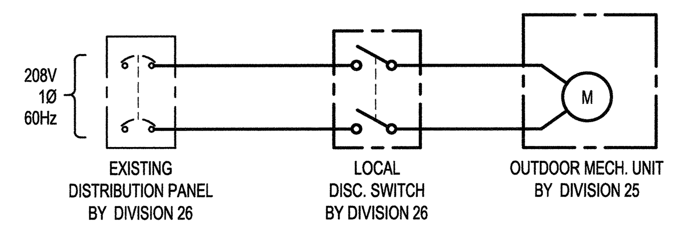

SCHEMATIC DIAGRAM 6



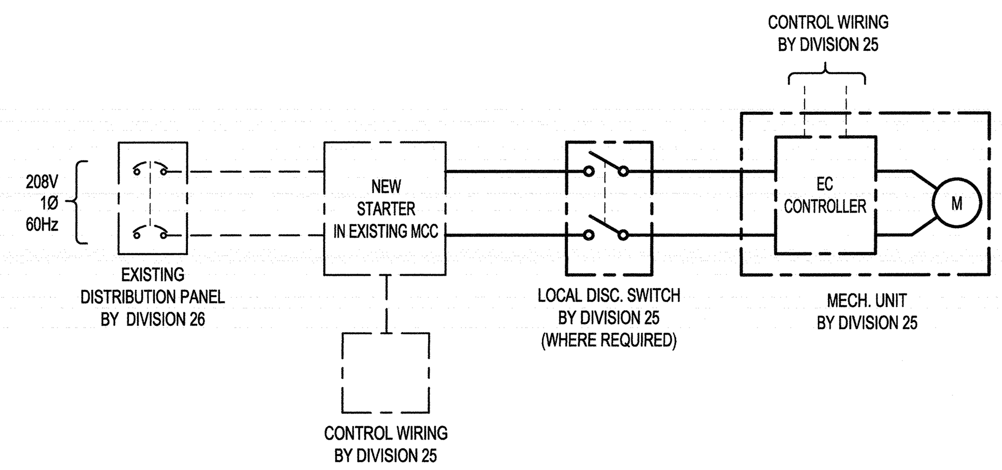

SCHEMATIC DIAGRAM 7



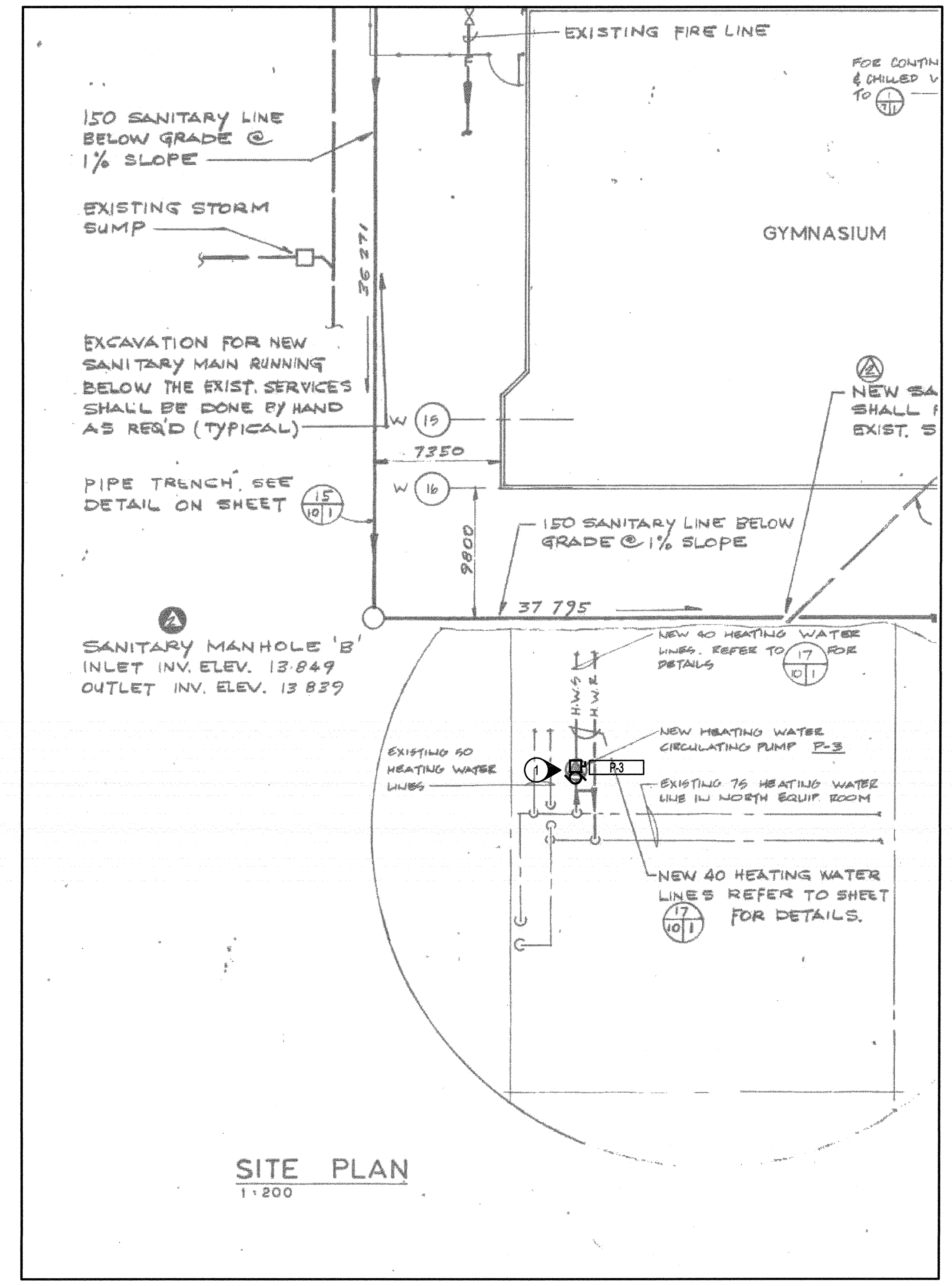

SCHEMATIC DIAGRAM 8




SCHEMATIC DIAGRAM 9




SCHEMATIC DIAGRAM 10




KEY NOTES:

1. EXISTING PUMP P-3 TO BE REPLACED WITH NEW PUMP. COORDINATE THE PUMP LOCATION WITH MECHANICAL DRAWING. RE-USE EXISTING CONDUIT AND PROVIDE NEW CABLE 3#12 AWG PLUS GROUND FROM A3J IN NORTH BLOCK MECHANICAL ROOM. PROVIDE NEW OVERLOAD DEVICE IN THE EXISTING STARTER TO MATCH NEW PUMP HORSEPOWER.

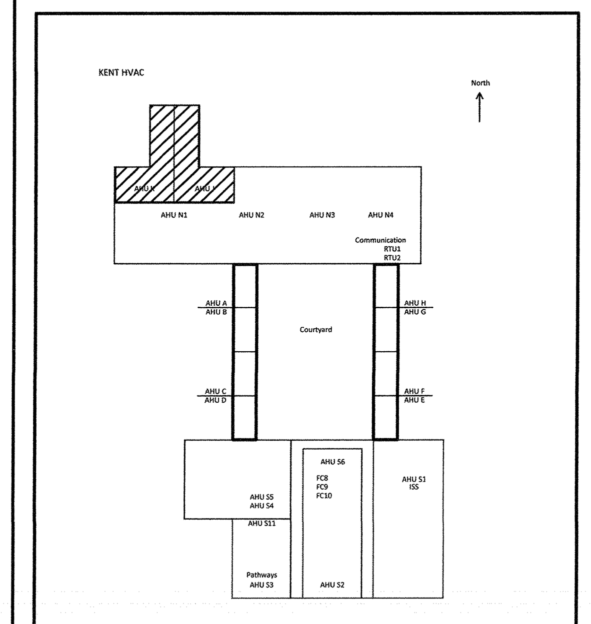
1 / -
PUMP P-3 LOCATION
SCALE : NONE

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

CONSULTANTS:

wsp



KEY PLAN

AUG 16 2017

| Revision/Révision | Description/Description | Date/Date |
|---|---|---|
| 1 | ISSUED FOR TENDER | 2017-08-16 |

Client/client

**CORRECTIONAL SERVICE OF CANADA**

Project title/Titre du projet

**AGASSIZ, BC**
**KENT MAXIMUM SECURITY INSTITUTION**

**MECHANICAL SYSTEM UPGRADE FOR CELL BLOCKS A through H and J & K**

Consultant Signature Box Only

Designed by/Concept par
**I. HASSAN**

Drawn by/Dessine par
**L. CADIENTE**

PWGSC Project Manager/Administrateur de Projets TPSGC
**PREETIPAL PAUL**

PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin

SCHEMATIC DIAGRAMS

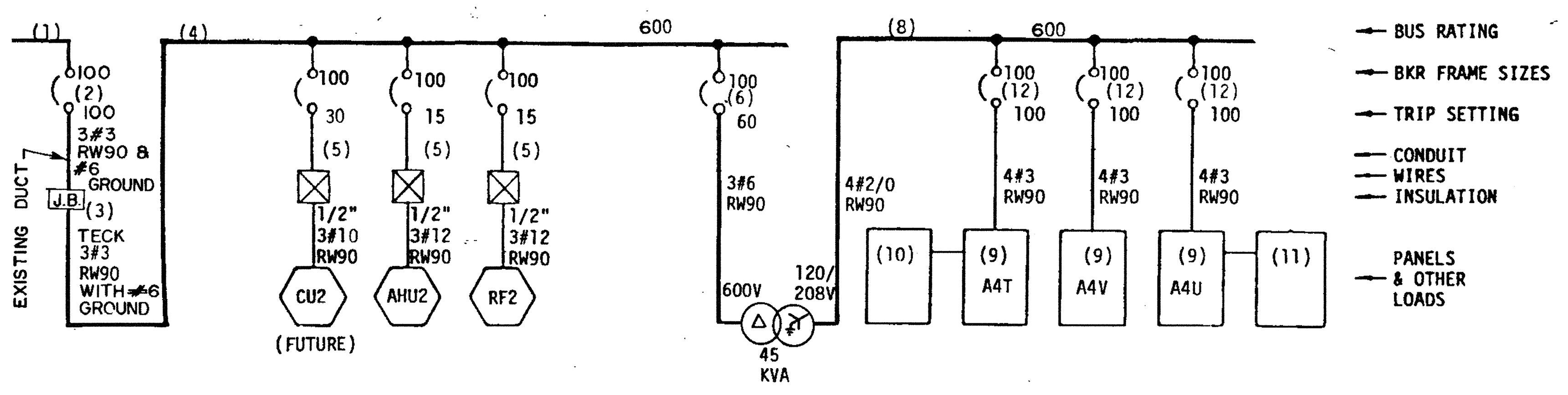
| Project No./No. du projet | Sheet/ Feuille | Revision no./ La Révision no. |
|---|---|---|
| R.077723.001 | E0-04 (4 OF 4) | 1 |

Aug 17, 2017 - 9:40am
M:\15151-05897-02 Kent Institution Mech System TOR R0.77723.001\DWG\Elect\Issued\2017-08-16 Issued for Tender\CAD\E0-04 (SchemDiag).dwg

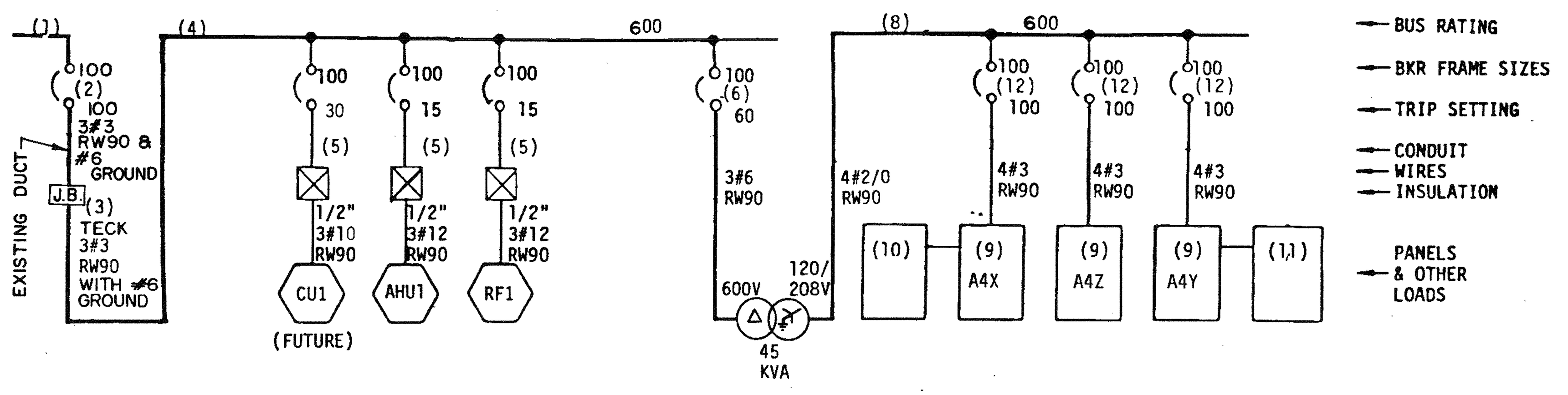
PWGSC - B1 - 1000X707

0 10 20 30 40 50 60 70 80 90 100mm

DM5XXXXXX




ONE LINE DIAGRAM - MCC A4S




ONE LINE DIAGRAM - MCC A4W

(1) AUTOMATIC TRANSFER BUS IN EXISTING MAIN SUBSTATION - 347/600V

(2) NEW AIR CIRCUIT BREAKER C/W SHUNT TRIP

(3) NEW FEEDER CONDUCTORS TRAVELLING VIA EXISTING DUCT BANK AND JUNCTION BOX, AND NEW RACEWAYS. HANGERS IN TUNNEL AND MECHANICAL ROOM

(4) MCC 600V BUS

(5) COMBINATION STARTERS FOR 600V 3ø MECHANICAL EQUIPMENT

(6) PRIMARY BREAKER FOR 600-120/208V DRY TYPE TRANSFORMER

(7) 600-120/208V DRY TYPE TRANSFORMER

(8) 120/208V MCC BUS

(9) 42 CIRCUIT 120/208V PANEL (3 REQUIRED)

(10) MANUAL & MAGNETIC STARTER GROUP FOR SMALL 120V 1ø MECHANICAL EQUIPMENT.

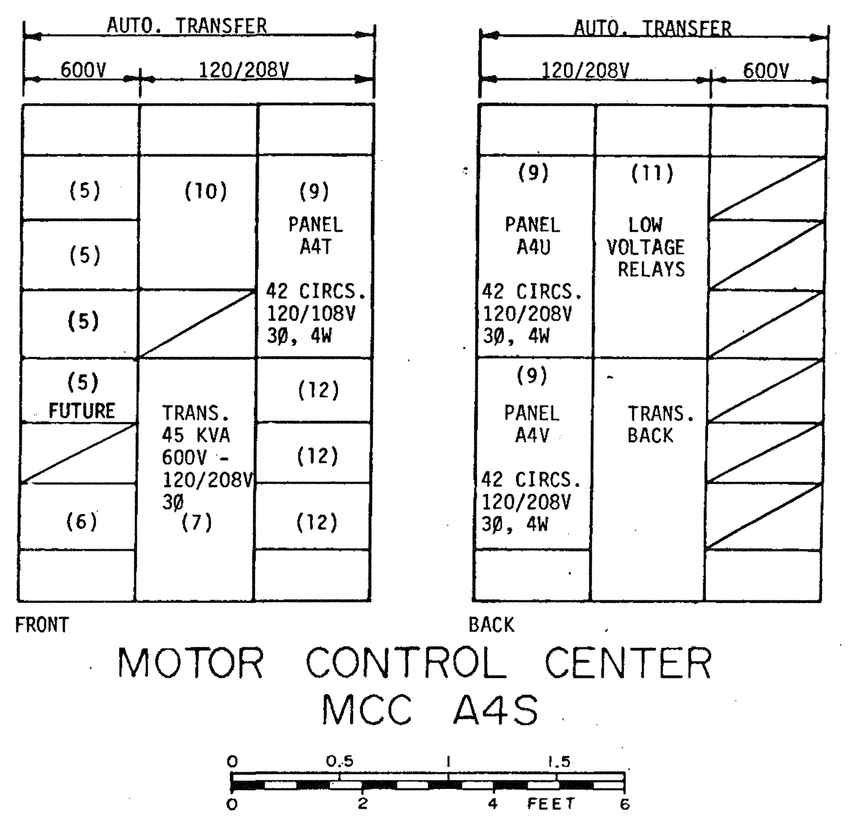
(11) LOW VOLTAGE RELAYS FOR CONTROL OF LIGHTING AND LIVING UNIT RECEPTACLES

(12) PANEL BREAKERS

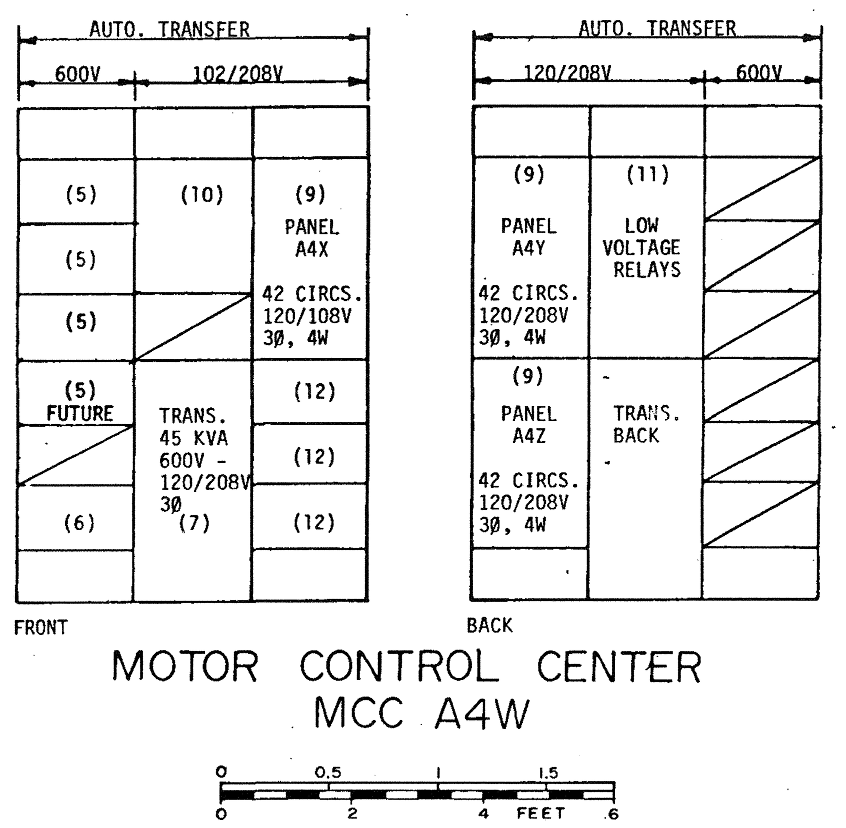
## NOTES

- ALL DEVICES SHOWN ON THE ONE LINE DIAGRAM HAVE THE SAME PHASE AND VOLTAGE RATING AS THE SERVICE CONNECTION, EXCEPT FOR APPARATUS ON THE SECONDARY SIDE OF A TRANSFORMER, WHERE THE RATING SHALL BE THAT OF THE SECONDARY
- NUMBERS SHOWN THUS: (3) RELATE DEVICES SHOWN ON THE ONE LINE DIAGRAM TO THE SAME DEVICES ON THE ELEVATION OF THE MOTOR CONTROL CENTERS. TWO IDENTICAL MOTOR CONTROL CENTERS ARE REQUIRED.
- A DIAGONAL LINE DRAWN THROUGH A SPACE ON THE ELEVATION OF THE TYPICAL MOTOR CONTROL CENTER INDICATES A SPARE SPACE REQUIRED FOR FUTURE USE.

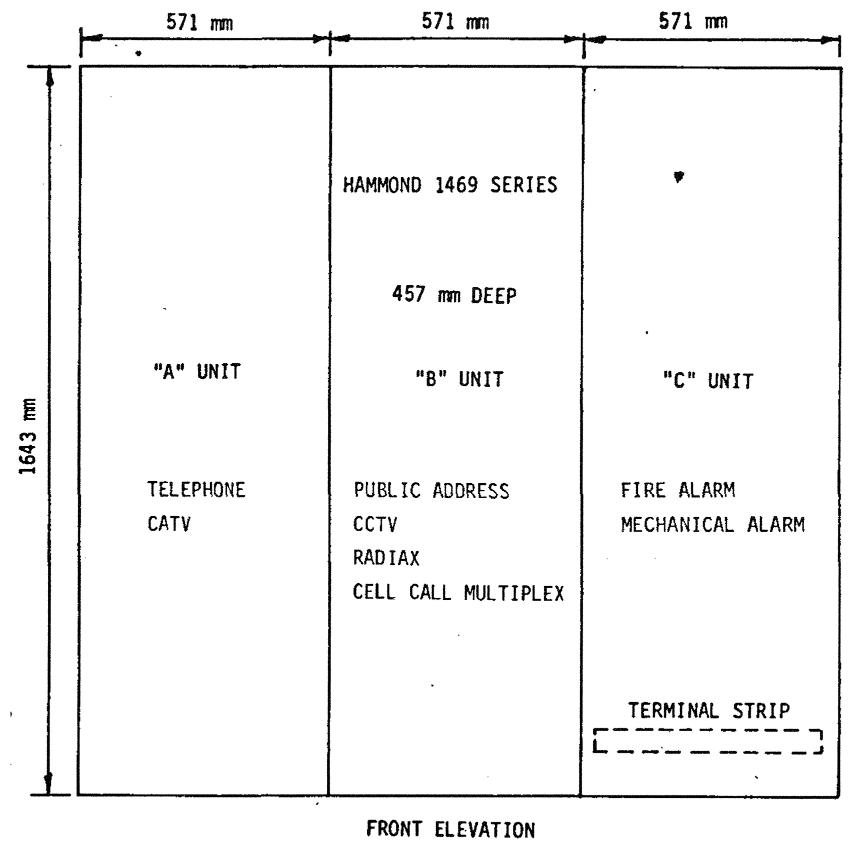




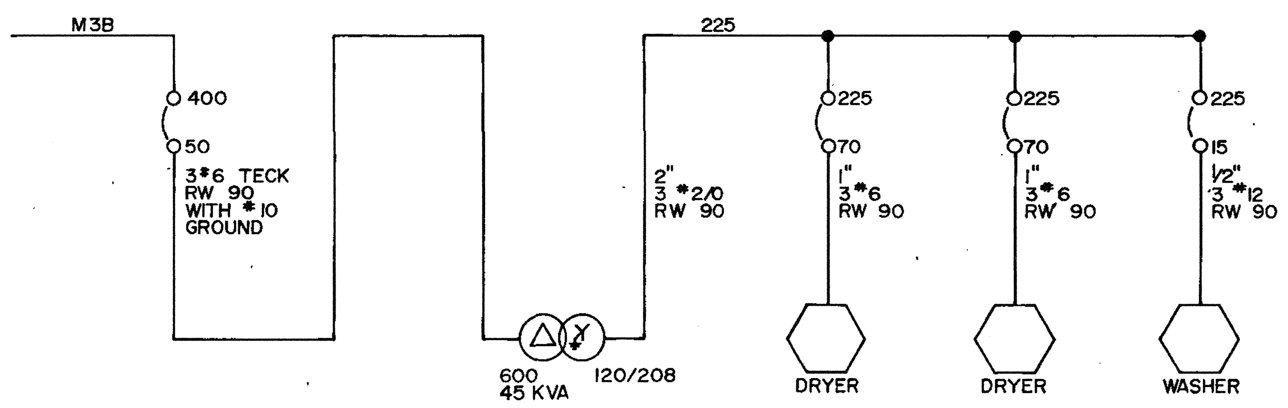

MOTOR CONTROL CENTER MCC A4S




MOTOR CONTROL CENTER MCC A4W




TERMINAL CABINET TE36




ONE LINE DIAGRAM - WASHER & DRYER

# EQUIPMENT SCHEDULE

| UNIT NO. | DESCRIPTION | HP | VOLTS | PHASE | WIRES | UNIT SUPPLY | UNIT MOUNT | UNIT CONNECT | STARTER SUPPLY | STARTER MOUNT | STARTER CONNECT | STARTER TYPE | DISC SUPPLY | DISC MOUNT | DISC CONNECT | CONTROL SUPPLY | CONTROL MOUNT | CONTROL CONNECT | CONTROL TYPE | SEE NOTE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AHU1 | AIR HANDLING UNIT-EAST | 5 | 600 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | X | A | 1 |
| AHU2 | AIR HANDLING UNIT-WEST | 5 | 600 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | X | A | 1 |
| RF1 | RETURN FAN-EAST | 1 | 600 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | X | A | 1,2 |
| RF2 | RETURN FAN-WEST | 1 | 600 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | X | A | 1,3 |
| EF1 | EXHAUST FAN-EAST | 1/6 | 120 | 1 | 2 | | | X | X | X | X | MG | X | X | X | | | | | 1,2 |
| EF2 | EXHAUST FAN-WEST | 1/6 | 120 | 1 | 2 | | | X | X | X | X | MG | X | X | X | | | | | 1,3 |
| EF3 | EXHAUST FAN-RENOVATED AREA | 1/60 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | | | 1,4,8 |
| UH1 | UNIT HEATER-EAST | 1/30 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | X | C | 1,8 |
| UH2 | UNIT HEATER-WEST | 1/30 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | X | C | 1,8 |
| FC1 | FAN COIL-CONTROL POST | 1/25 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | X | A | 1,8 |
| C1 | AFTERCOOLER | 1/6 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | | | 1 |
| P1 | CIRCULATING PUMP-AHU1 | 1/12 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | | | 1,8 |
| P2 | CIRCULATING PUMP-AHU2 | 1/12 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | | | 1,8 |
| P3 | MAIN CIRC. PUMP-EXIST. MECH. RM | 3/4 | 208 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | | | |
| P4 | SPRINKLER EXCESS PRESS. PUMP | 1/3 | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | | | 1,8 |
| P5 | SANITARY PUMP | 5 | 600 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | X | B | 1,9 |
| P6 | SANITARY PUMP | 5 | 600 | 3 | 3 | | | X | X | X | X | MG | X | X | X | | | X | B | 1,9 |
| CC1 | CONTROL CIRCUIT-EAST | 15A | 120 | 1 | 2 | | | X | | | | | | | | | | | | 5 |
| CC2 | CONTROL CIRCUIT-WEST | 15A | 120 | 1 | 2 | | | X | | | | | | | | | | | | 5 |
| CU1 | CONDENSING UNIT-EAST (FUTURE) | 2@7 1/2 | 600 | 3 | 3 | | | X | | | | | | | | | | | | 2,6,7 |
| | | 3 @ 1/2 | 600 | 1 | 2 | | | X | | | | | | | | | | | | 2,6,7 |
| CU2 | CONDENSING UNIT-WEST (FUTURE) | 2@7 1/2 | 600 | 3 | 3 | | | X | | | | | | | | | | | | 3,6,7 |
| | | 3 @ 1/2 | 600 | 1 | 2 | | | X | | | | | | | | | | | | 3,6,7 |
| EF4 | EXHAUST FAN | 100W | 120 | 1 | 2 | | | X | X | X | X | MN | X | X | X | | | | | |
| AHU3 | AIR HANDLING UNIT AREA 252 | SEE MECHANICAL | | | | | | X | X | X | X | MG | X | X | X | | | X | A | |

ITEMS MARKED "X" ARE TO BE INCLUDED IN THE ELECTRICAL CONTRACT: INSTALL ALL WIRING AND CONDUIT AS . REQUIRED"MG" INDICATES A MAGNETIC STARTER. "MN" INDICATES MANUAL. INCLUDE CONTROL WORK DESCRIBED IN NOTES IN ELECTRICAL CONTRACT.

NOTES:

1. MOUNT STARTER IN MCC.
2. INTERLOCK WITH UNIT AHU1.
3. INTERLOCK WITH UNIT AHU2.
4. REMOVAL OF EXISTING FAN & INSTALLATION OF NEW FAN BY OTHERS. NEW HEATER & CONNECTION BY ELECTRICAL.
5. SUPPLY, MOUNT AND CONNECT JUNCTION BOX WHERE THIS UNIT IS SHOWN ON PLANS.
6. CONFIRM LOCATION WITH MECHANICAL ENGINEER.
7. TERMINATE FEEDERS IN WEATHER TIGHT JUNCTION BOX.
8. PILOT LIGHT REQUIRED ON STARTER.
9. CONNECT ALARM CONTACTS TO PUMP HOUSE MECHANICAL ALARM PANEL, VIA TE36C. FOR SCHEMATIC SHOWING CONTROL WIRING SEE DWG. M-11.

CONTROL TYPES: (FOR LOCATIONS SEE MECHANICAL DRAWINGS)

A. PNEUMATIC.
B. LEVEL SWITCH, ALTERNATOR, HI-WATER ALARM.
C. LINE VOLTAGE THERMOSTAT.

ALL BREAKERS SINGLE POLE, 15A. UNLESS OTHERWISE INDICATED

## PANEL A4T

120/208V — 225 A. MAINS

| DESCRIPTION | CCT | CCT | DESCRIPTION |
|---|---|---|---|
| UNITS-P2,EF2,UH2 | 1 | 2 | DOORS-CELLS 102-107 |
| UNIT-CC2 | 3 | 4 | " " 114-119 |
| " -P4,FC1 | 5 | 6 | " " 202-207 |
| SPACE | 7 | 8 | " " 214-219 |
| AHU-3 | 9 | 10 | " " UPPER WEST |
| SPACE | 11 | 12 | " " LOWER WEST |
| REC-209 | 13 | 14 | SPARE |
| " " | 15 | 16 | REC 242 |
| REC-211 | 17 | 18 | " " |
| REC-109 | 19 | 20 | L.V. LTG TRANSFORMER |
| " " | 21 | 22 | SPARE |
| REC-111 | 23 | 24 | " |
| " " | 25 | 26 | " |
| " | 27 | 28 | REC A4S |
| " | 29 | 30 | " " |
| " | 31 | 32 | SPACE |
| " | 33 | 34 | " |
| " | 35 | 36 | " |
| " | 37 | 38 | " |
| " | 39 | 40 | " |
| " | 41 | 42 | " |

** GFI BREAKER REQUIRED

## PANEL A4U

120/208V — 225 A. MAINS

| DESCRIPTION | CCT | CCT | DESCRIPTION |
|---|---|---|---|
| REC-102 ** | 1 | 2 | LTG-NIGHT |
| " -103 ** | 3 | 4 | " -113-120 |
| " -104 ** | 5 | 6 | " -101-108 |
| " -105 ** | 7 | 8 | " -110,111 |
| " -106 ** | 9 | 10 | " -213-220 |
| " -107 ** | 11 | 12 | " -201-208 |
| " -119 ** | 13 | 14 | " -210,211 |
| " -118 ** | 15 | 16 | " -253,STAIR #1 |
| " -117 ** | 17 | 18 | " -243 |
| " -116 ** | 19 | 20 | LTG-252 |
| " -115 ** | 21 | 22 | " " |
| " -114 ** | 23 | 24 | SPACE |
| " -202 ** | 25 | 26 | REC 252 |
| " -203 ** | 27 | 28 | " |
| " -204 ** | 29 | 30 | " |
| " -205 ** | 31 | 32 | " |
| " -206 ** | 33 | 34 | " |
| " -207 ** | 35 | 36 | " |
| " -219 ** | 37 | 38 | REC-216 ** |
| " -218 ** | 39 | 40 | " -215 ** |
| " -217 ** | 41 | 42 | " -214 ** |

* CIRCUIT BREAKER LOCK REQUIRED

## PANEL A4V

120/208V — 225 A. MAINS

| DESCRIPTION | CCT | | CCT | DESCRIPTION |
|---|---|---|---|---|
| REC-120,220,ROOF * | 1 | | 2 | LTG-109,112,209,212 |
| " -120,220 | 3 | 20 | 4 | " -241,242 |
| " -111,211 | 5 | 20 | 6 | SPARE |
| " -101,201,252 * | 7 | | 8 | LTG-301 |
| " -101,201 | 9 | 20 | 10 | " -301,302,ROOF |
| " -110,210,241 | 11 | | 12 | " -303 |
| " -243 | 13 | 20 | 14 | HTG 301 |
| SPARE | 15 | | 16 | 243 EAST REC |
| " -243 | 17 | | 18 | REC 243 FOOD CART |
| " -301,302,303 | 19 | | 20 | " |
| REC 243 FOOD CART | 21 | | 22 | " |
| " " " " | 23 | | 24 | " |
| | 25 | | 26 | " |
| " | 27 | | 28 | " |
| " | 29 | | 30 | " |
| " | 31 | | 32 | " |
| " | 33 | | 34 | " |
| " | 35 | | 36 | " |
| " | 37 | | 38 | " |
| " | 39 | | 40 | " |
| " | 41 | | 42 | " |

## PANEL A4X

120/208V — 225 A. MAINS

| DESCRIPTION | CCT | CCT | DESCRIPTION |
|---|---|---|---|
| UNITS-P1,EF1,UH1 | 1 | 2 | DOORS-CELLS 122-127 |
| UNIT-CC1 | 3 | 4 | " " 133-138 |
| " -C1,EF3 | 5 | 6 | " " 222-227 |
| UNIT P-7 | 7 | 8 | " " 233-238 |
| SPACE | 9 | 10 | " " UPPER EAST |
| REC 230 | 11 | 12 | " " LOWER EAST |
| REC 231 | 13 | 14 | SPARE |
| " " | 15 | 16 | " |
| REC 130 | 17 | 18 | " |
| REC 131 | 19 | 20 | LV LTG. TRANSFORMER |
| " " | 21 | 22 | " |
| " | 23 | 24 | " |
| " | 25 | 26 | " |
| " | 27 | 28 | " |
| " | 29 | 30 | " |
| " | 31 | 32 | SPACE |
| " | 33 | 34 | " |
| " | 35 | 36 | " |
| " | 37 | 38 | " |
| " | 39 | 40 | " |
| " | 41 | 42 | " |

** GFI BREAKER REQUIRED

## PANEL A4Y

120/208V — 225 A. MAINS

| DESCRIPTION | CCT | CCT | DESCRIPTION |
|---|---|---|---|
| REC-138 ** | 1 | 2 | LTG-NIGHT |
| " -137 ** | 3 | 4 | " -121-127,129 |
| " -136 ** | 5 | 6 | " -132-139 |
| " -135 ** | 7 | 8 | " -130,140 |
| " -134 ** | 9 | 10 | " -221-227,229 |
| " -133 ** | 11 | 12 | " -232-239 |
| " -122 ** | 13 | 14 | " -230,240 |
| " -123 ** | 15 | 16 | " -251,STAIR #7,ENTRY |
| " -124 ** | 17 | 18 | " -244,245,250 |
| " -125 ** | 19 | 20 | " -OUTDOOR NORTH |
| " -126 ** | 21 | 22 | SPACE |
| " -127 ** | 23 | 24 | " |
| " -238 ** | 25 | 26 | " |
| " -237 ** | 27 | 28 | " |
| " -236 ** | 29 | 30 | " |
| " -235 ** | 31 | 32 | " |
| " -234 ** | 33 | 34 | " |
| " -233 ** | 35 | 36 | " |
| " -222 ** | 37 | 38 | REC-225 ** |
| " -223 ** | 39 | 40 | " -226 ** |
| " -224 ** | 41 | 42 | " -227 ** |

* CIRCUIT BREAKER LOCK REQUIRED

## PANEL A4Z

120/208V — 225 A. MAINS

| DESCRIPTION | CCT | | CCT | DESCRIPTION |
|---|---|---|---|---|
| REC-121,221,ROOF * | 1 | | 2 | LTG-128,131,228,231 |
| " -121,221 | 3 | 20 | 4 | " -247,248,249 |
| " -130,230 | 5 | 20 | 6 | " -246 |
| " -139,239 | 7 | 20 | 8 | " -303 |
| " -139,239,244,251 * | 9 | | 10 | SPARE |
| " -140,240 | 11 | | 12 | " |
| " -241,244 | 13 | | 14 | TE 36A PA SYSTEM |
| " -246,247,248 | 15 | | 16 | TE 36B |
| " -245,246,249 | 17 | | 18 | TE 36B |
| " -301,303 | 19 | | 20 | " |
| CONSOLE WEST WING | 21 | | 22 | " |
| CONSOLE EAST WING | 23 | | 24 | " |
| SPACE | 25 | | 26 | " |
| " | 27 | | 28 | " |
| " | 29 | | 30 | " |
| " | 31 | | 32 | " |
| " | 33 | | 34 | " |
| " | 35 | | 36 | " |
| " | 37 | | 38 | SPARE |
| " | 39 | | 40 | EPS * |
| " | 41 | | 42 | LTG-EXITS * |

Public Works Canada / Travaux publics Canada

THOMPSON BERWICK-PRATT & PARTNERS
ARCHITECTS-PLANNERS, 1553 ROBSON ST., VANCOUVER, B.C. V6G 1C6

W. T. HAGGERT AND COMPANY LIMITED
ELECTRICAL CONSULTING ENGINEERS
Telephone (604) 736-5531
1445 West 7th Ave., Vancouver B.C. V6H 1C2

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — W. T. HAGGERT



AS-BUILT DRAWING

P. K. ELECTRIC LTD.
Per
Date JULY 6, 1984

revisions | date

A detail no / no du détail
B location drawing no / sur dessin no
C drawing no / dessin no

project / projet: KENT MAXIMUM SECURITY INSTITUTION SEGREGATION–DISSOCIATION FACILITY AGASSIZ, B.C.

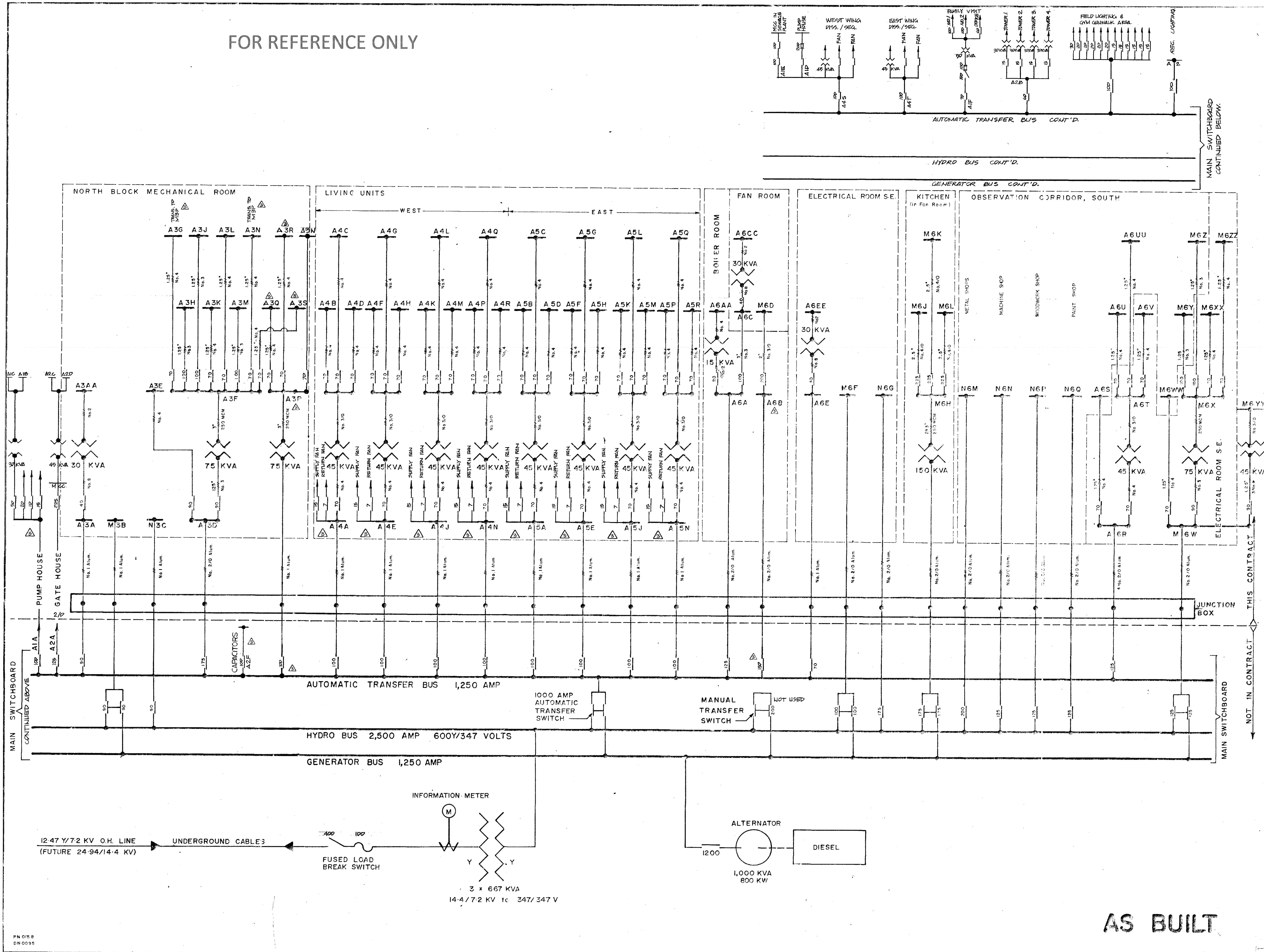
drawing / dessin: MCC'S, PANEL & EQUIPMENT SCHEDULES

BC035665

designed RPH / conçu
drawn SLG / dessiné
reviewed / examiné
approved / approuvé
Tender / Soumission
PWC Project Manager / Administrateur de projets TPC
project number / no du projet: EC 80 323 1 — 035419
drawing no / no du dessin: E14

PWC 81

FOR REFERENCE ONLY




AS BUILT

KEY PLAN
Public Works Canada / Travaux publics Canada

ROYCE RICH & ASSOCIATES LTD.
ELECTRICAL ENGINEERS

ASSOCIATED ARCHITECTS
Vancouver B.C.

NEW AS BUILTS 84/03/07

CANEM SYSTEMS LTD.

M.S.I.
MAXIMUM SECURITY INSTITUTION
AGASSIZ, B.C.

ELECTRICAL
SINGLE LINE
DIAGRAM.

| | | |
|---|---|---|
| designed by | P. M. | 10/12/76 |
| drawn | P. McR./J.H./B.N. | 10/12/76 |
| checked | R. R. | 10/12/76 |
| approved | F.P. | 10/12/76 |

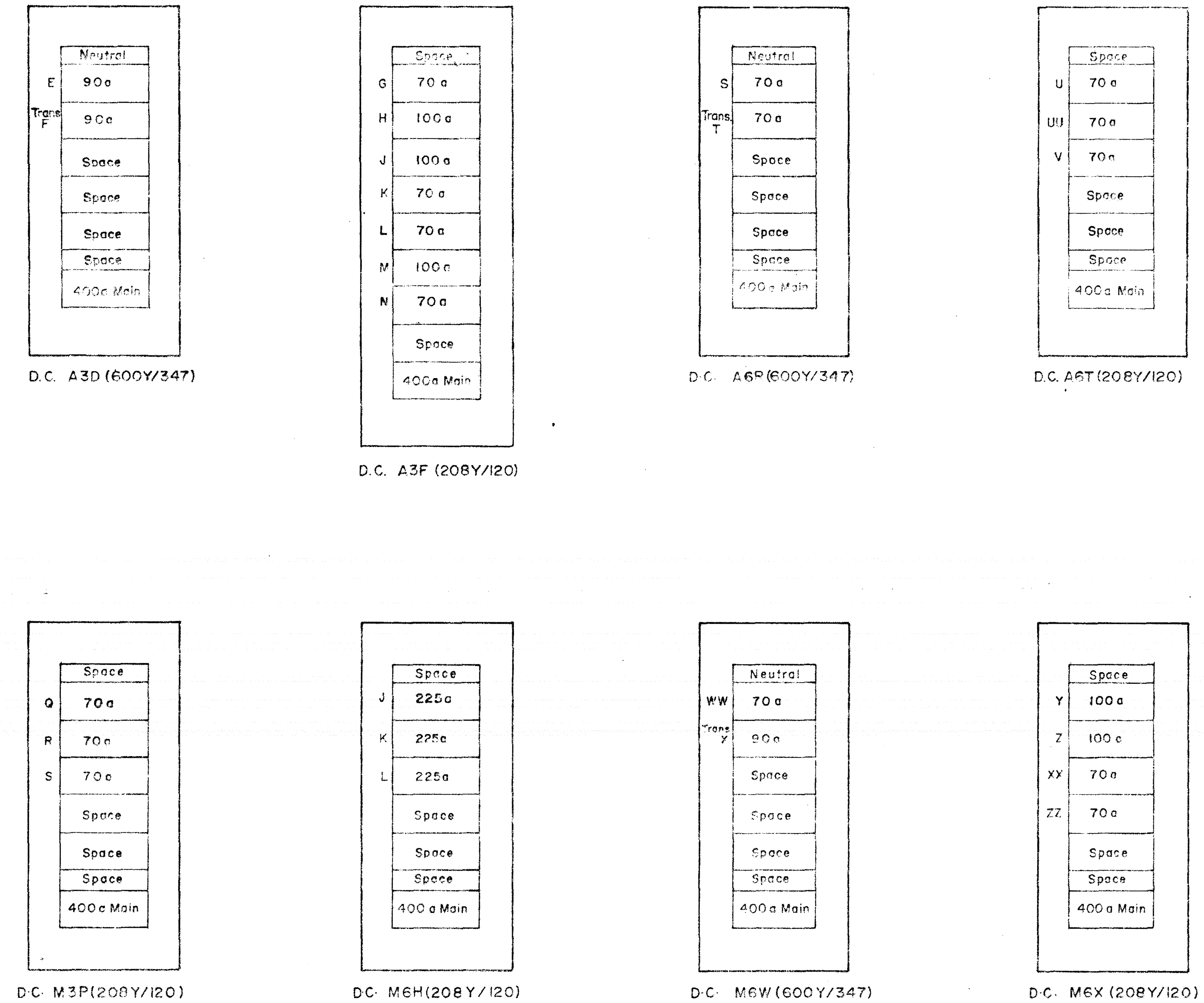
E44

## PANEL BOARD BRANCH CIRCUIT

| DESIGNATION | MOUNTING | VOLTS | BUS AMP | No. OF POLES | No. OF S.P. SPACE | No. OF 15 A S.P. BRKRS | OTHER BREAKERS |
|---|---|---|---|---|---|---|---|
| A3AA | In MCC A3A | 208Y/120 | 100 | 42 | — | 34 | 4 - 40a 2p |
| A3E | Surface | 600Y/347 | 225 | 42 | — | 42 | |
| A3G | Surface | 208Y/120 | 225 | 42 | — | 12 | 6-20a 2p, 3-30a 2p, 4-50a 3p |
| A3H | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| A3J | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| A3K | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| A3L | Surface | 208Y/120 | 225 | 42 | — | 40 | 2- 20a |
| A3M | Surface | 208Y/120 | 225 | 42 | 17 | — | 7-20a, 3-30a 2p, 4-50a 3p. |
| A3N | Surface | 208Y/120 | 225 | 42 | — | 39 | 1 - 40a 3p |
| M3Q | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| M3R | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| M3S | Surface | 208Y/120 | 225 | 42 | — | 36 | 6 - 20a |
| A4B | In MCC A4A | 208Y/120 | 225 | 42 | — | 40 | 1-30a 2p |
| A4C | In MCC A4A | 208Y/120 | 225 | 42 | — | 42 | |
| A4D | In MCC A4A | 208Y/120 | 225 | 42 | — | 42 | |
| A4F | In MCC A4E | 208Y/120 | 225 | 42 | — | 40 | 1-20a 2p |
| A4G | In MCC A4E | 208Y/120 | 225 | 42 | — | 42 | |
| A4H | In MCC A4E | 208Y/120 | 225 | 42 | — | 42 | |
| A4K | In MCC A4J | 208Y/120 | 225 | 42 | — | 39 | 1-30a 3p |
| A4L | In MCC A4J | 208Y/120 | 225 | 42 | — | 42 | |
| A4M | In MCC A4J | 208Y/120 | 225 | 42 | — | 42 | |
| A4P | In MCC A4N | 208Y/120 | 225 | 42 | — | 40 | 1-20a 2p |
| A4Q | In MCC A4N | 208Y/120 | 225 | 42 | — | 42 | |
| A4R | In MCC A4N | 208Y/120 | 225 | 42 | — | 42 | |
| A5B | In MCC A5A | 208Y/120 | 225 | 42 | — | 40 | 1-20a 2p |
| A5C | In MCC A5A | 208Y/120 | 225 | 42 | — | 42 | |
| A5D | In MCC A5A | 208Y/120 | 225 | 42 | — | 42 | |
| A5F | In MCC A5E | 208Y/120 | 225 | 42 | — | 40 | 1-30a 2p |
| A5G | In MCC A5E | 208Y/120 | 225 | 42 | — | 42 | |
| A5H | In MCC A5E | 208Y/120 | 225 | 42 | — | 42 | |
| A5K | In MCC A5J | 208Y/120 | 225 | 42 | — | 40 | 1-20a 2p |
| A5L | In MCC A5J | 208Y/120 | 225 | 42 | — | 42 | |
| A5M | In MCC A5J | 208Y/120 | 225 | 42 | — | 42 | |
| A5P | In MCC A5N | 208Y/120 | 225 | 42 | — | 40 | 1-30a 2p |
| A5Q | In MCC A5N | 208Y/120 | 225 | 42 | — | 42 | |
| A5R | In MCC A5N | 208Y/120 | 225 | 42 | — | 42 | |
| A6AA | In MCC A6A | 208Y/120 | 100 | 30 | — | 30 | |
| A6CC | In MCC A6C | 208Y/120 | 225 | 42 | — | 42 | |
| A6EE | In MCC A6E | 208Y/120 | 225 | 42 | — | 42 | |
| M6J | Surface | 208Y/120 | 225 | 42 | — | 30 | 4 - 15a 3p |
| M6K | Surface | 208Y/120 | 225 | 42 | 3 | 24 | 2 - 15a 3p, 1-40a 3p, 1-70a 3p, 1 - 90a 3p |
| M6L | Surface | 208Y/120 | 225 | 42 | — | 25 | 1- 30a 2p, 1-15a 3p, 1-20a 3p, 1- 30a 3p, 1-40a 3p, 1- 50a 3p |
| A6S | Surface | 600Y/347 | 225 | 42 | — | 42 | |
| A6U | Surface | 208Y/120 | 225 | 42 | — | 36 | 3- 20a 2p |
| A6UU | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| A6V | Surface | 208Y/120 | 225 | 42 | — | 40 | 1 - 20a 2p |
| M6WW | Surface | 600Y/347 | 225 | 42 | — | 42 | |
| M6Y | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| M6Z | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| M6XX | Surface | 208Y/120 | 225 | 42 | — | 42 | |
| M6ZZ | Surface | 208Y/120 | 225 | 42 | — | 42 | |

LOAD CENTRES

| DESIGNATION | MOUNTING | VOLTS | BUS AMP | No. OF POLES | No. OF S.P. SPACE | No. OF 15 A S.P. BRKRS | OTHER BREAKERS | QUANTITY |
|---|---|---|---|---|---|---|---|---|
| CD1 | Surface | 208 /120 | 100 | 6 | 4 | 2 | 3 wire bus | 13 |
| CD2 | Surface | 208 /120 | 100 | 6 | 2 | 4 | 3 wire bus | 8 |
| CD3 | Surface | 208 Y/120 | 100 | 12 | 6 | 6 | 4 wire bus | 4 |




All breakers 3 pole

CDP DISTRIBUTION CENTRES

Not To Scale

FOR REFERENCE ONLY

AS BUILT

Public Works Canada / Travaux publics Canada

ASSOCIATES LTD.
ELECTRICAL ENGINEERS
West Vancouver B.C.

ROBERT E. HARRISON / ZOLTAN S. KISS
ASSOCIATED ARCHITECTS

location drawing no.
drawing no.
detail no.

Addendum No. Nine

CANEM SYSTEMS LTD.

*BC035367*

project title / titre du projet

M.S.I.
MAXIMUM SECURITY INSTITUTION
AGASSIZ, B.C.

drawing title / titre du dessin

ELECTRICAL –
PANELBOARD
SCHEDULE AND
DETAILS

designed by: R.M. 10/12/76

drawn by: P.McF./J.H./B.R. 10/12/76

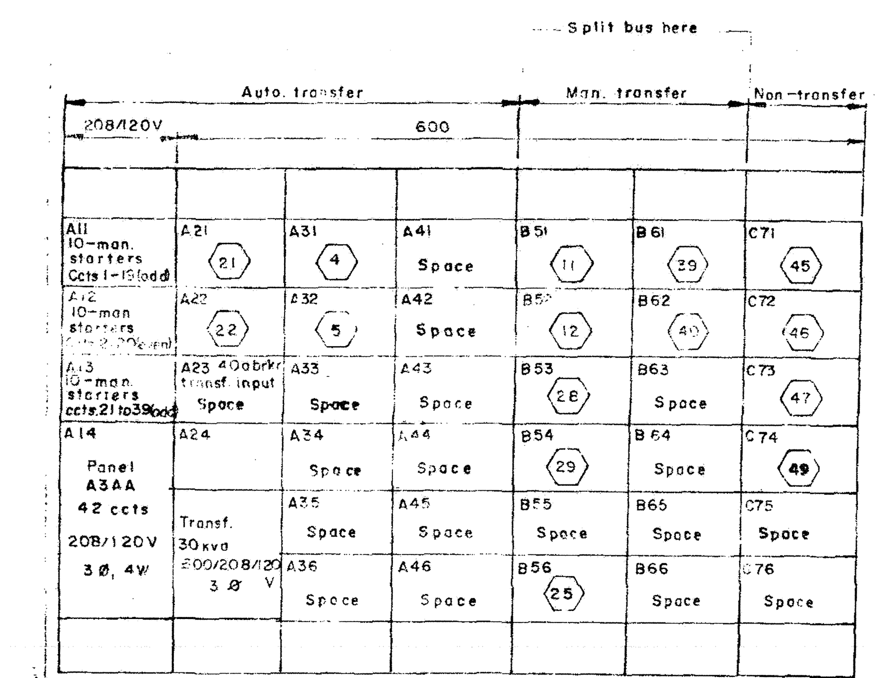
10/12/76

E45R1

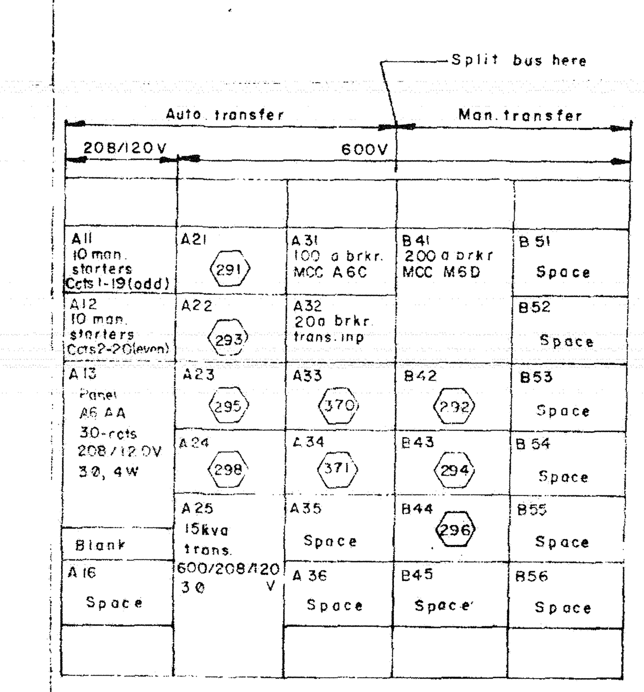
FOR REFERENCE ONLY

| ITEM | DESCRIPTION | WATT /VA | H.P. | AMP | VOLT | PHASE | LOCATION | BRKR AMP | TYPE | SIZE | P.B. | SEL.SW | PILOT | Cct. | WIRING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POWER REQUIREMENTS | | | | | COMBINATION STARTER DATA | | STARTERS | | CONTROL | | | | | |
| 1 | Supply fan SF-N5 | 100 | | 0.9 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA1 | 0.5"-2 No.12 | |
| 2 | Supply fan SF-N6 | 100 | | 0.9 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA3 | 0.5"-2 No.12 | |
| 3 | | | | | | | | | | | | | | | | |
| 4 | Sanitary lift pump P-9 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | A3A31 | 1.0" 3 No.12 | |
| 5 | Sanitary lift pump P-10 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | A3A32 | 3 No.12 | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | Cabinet heater CUH-N1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA29 | 0.5"-2 No.12 | |
| 8 | Unit heater UH-N1 | | 0.025 | 1.1 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA23 | 0.5"-2 No.12 | |
| 9 | Unit heater UH-N2 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA25 | 0.5"-2 No.12 | |
| 10 | Unit heater UH-N3 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA27 | 0.5"-2 No.12 | |
| 11 | Supply fan SF-N1 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | M3B51 | 0.5"-3 No.12 | |
| 12 | Return fan RF-N1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M3B52 | 0.5"-3 No.12 | |
| 13 | Circ. pump P-N1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA2 | 0.5"-2 No.12 | |
| 14 | Roof exhaust fan EF-N1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA5 | 0.5"-2 No.12 | |
| 15 | Roof exhaust fan EF-N2 | | 0.33 | 5.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA7 | 0.5"-2 No.12 | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | Supply fan SF-N2 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | A3A21 | 0.5"-3 No.12 | |
| 22 | Return fan RF-N2 | | 3.0 | 4.0 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A3A22 | 0.5"-3 No.12 | |
| 23 | Circ. pump P-N2 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA4 | 0.5"-2 No.12 | |
| 24 | Circ. pump P-N3 | | 0.5 | 7.4 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA21 | 0.5"-2 No.12 | |
| 25 | Elect. humidifier H-N1 | 19,800 | | 19.1 | 600 | 3 | MCC | 30 | FVNR | 2 | | H.O.A. | ✓ | M3B56 | 0.5"-3 No.10 | |
| 26 | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | |
| 28 | Supply fan SF-N3 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | M3B53 | 0.5"-3 No.12 | |
| 29 | Return fan RF-N3 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M3B54 | 0.5"-3 No.12 | |
| 30 | Circ. pump P-N4 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA6 | 0.5"-2 No.12 | |
| 31 | Circ. pump P-N5 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA8 | 0.5"-2 No.12 | |
| 32 | Roof exhaust fan EF-N3 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA9 | 0.5"-2 No.12 | |
| 33 | Roof exhaust fan EF-N4 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA11 | 0.5"-2 No.12 | |
| 34 | Roof exhaust fan EF-N5 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA13 | 0.5"-2 No.12 | |
| 35 | Roof exhaust fan EF-N6 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA15 | 0.5"-2 No.12 | |
| 36 | Roof exhaust fan EF-N7 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA17 | 0.5"-2 No.12 | |
| 37 | Roof exhaust fan EF-N8 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA19 | 0.5"-2 No.12 | |
| 38 | | | | | | | | | | | | | | | | |
| 39 | Supply fan SF-N4 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | M3B61 | 0.5"-3 No.12 | |
| 40 | Return fan RF-N4 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M3B62 | 0.5"-3 No.12 | |
| 41 | Circ. pump P-N8 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA10 | 0.5"-2 No.12 | |
| 42 | Circ. pump P-N9 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA12 | 0.5"-2 No.12 | |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | | | | | | |
| 45 | Chiller CH-N1 | | | 70.0 | 600 | 3 | MCC | 150 | | | | | | N3C71 | 1.25"-3 No.3 | |
| 46 | Condenser ACC-N1 | | 7.5 | 9.0 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | N3C72 | 0.5"-3 No.12 | |
| 47 | Condenser ACC-N2 | | 7.5 | 9.0 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | N3C73 | 0.5"-3 No.12 | |
| 48 | Chilled water pump P-N6 | | 0.5 | 7.4 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A3AA14 | 0.5"-2 No.12 | |
| 49 | Chilled water pump P-N7 | | 0.75 | 1.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | N3C74 | 0.5"-3 No.12 | |
| 50 | | | | | | | | | | | | | | | | |
| 51 | Condensing Unit CU-N1 | | | 20.6 | 208 | 1 | MCC | 40 | | | | | | A3AA28 | | |
| 52 | Condensing Unit CU-N2 | | | 20.6 | 208 | 1 | MCC | 40 | | | | | | A3AA32 | | Connect controls to Mfg. diagrams. |
| 53 | Condensing Unit CU-N3 | | | 20.6 | 208 | 1 | MCC | 40 | | | | | | A3AA36 | | |
| 54 | Condensing Unit CU-N4 | | | 20.6 | 208 | 1 | MCC | 40 | | | | | | A3AA40 | | |
| 55 | Fan coil unit FCU-N1 | | 0.25 | 2.3 | 208 | 1 | MCC | | | | | | | | | |
| 56 | Fan coil unit FCU-N2 | | 0.25 | 2.3 | 208 | 1 | MCC | | | | | | | | | |
| 57 | Fan coil unit FCU-N3 | | 0.25 | 2.3 | 208 | 1 | MCC | | | | | | | | | |
| 58 | Fan coil unit FCU-N4 | | 0.25 | 2.3 | 208 | 1 | MCC | | | | | | | | | Connect to respective condensing unit circuits. |
| 59 | Heating coil EHC-N1 | 1000 | | 4.8 | 208 | 1 | MCC | | | | | | | | | |
| 60 | Heating coil EHC-N2 | 1000 | | 4.8 | 208 | 1 | MCC | | | | | | | | | |
| 61 | Heating coil EHC-N3 | 1000 | | 4.8 | 208 | 1 | MCC | | | | | | | | | |
| 62 | Heating coil EHC-N4 | 1000 | | 4.8 | 208 | 1 | MCC | | | | | | | | | |
| 63 | | | | | | | MCC | 15 | | | | | | | | |
| 64 | Supply fan SF-LA1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4A11 | 0.5"-3 No.12 | |
| 65 | Return fan RF-LA1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4A12 | 0.5"-3 No.12 | |
| 66 | Circ. pump P-LA1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4B1 | 0.5"-2 No.12 | |
| 67 | Exhaust fan EF-LA1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4B3 | 0.5"-3 No.12 | |
| 68 | Exhaust fan EF-LA2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4B5 | | |
| 69 | Roof exhaust fan EF-LA3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4B7 | 0.5"-2 No.12 | |
| 70 | Force flow heater FF-LA1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4B9 | 0.5"-2 No.12 | |

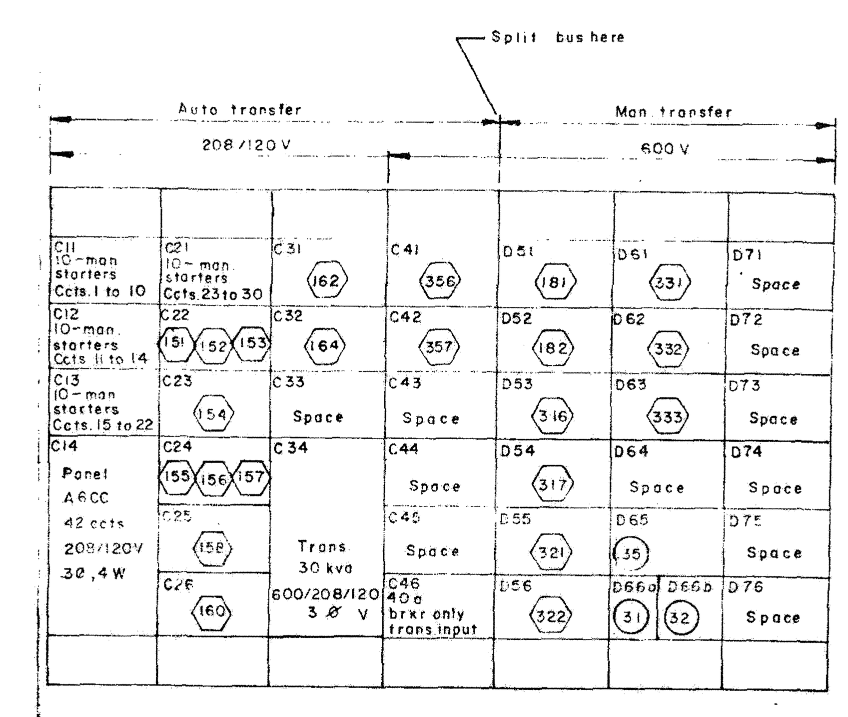
| ITEM | DESCRIPTION | WATT /VA | H.P. | AMP | VOLT | PHASE | LOCATION | BRKR AMP | TYPE | SIZE | P.B. | SEL.SW | PILOT | Cct. | WIRING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POWER REQUIREMENTS | | | | | COMBINATION STARTER DATA | | STARTERS | | CONTROL | | | | | |
| 71 | Supply fan SF-LB1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4E11 | 0.5"-3 No.12 | |
| 72 | Return fan RF-LB1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4E12 | 0.5"-3 No.12 | |
| 73 | Circ. pump P-LB1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4F1 | 0.5"-2 No.12 | |
| 74 | Exhaust fan EF-LB1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4F3 | 0.5"-3 No.12 | |
| 75 | Exhaust fan EF-LB2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4F5 | | |
| 76 | Roof exhaust fan EF-LB3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4F7 | 0.5"-2 No.12 | |
| 77 | Force flow heater FF-LB1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4F9 | 0.5"-2 No.12 | |
| 78 | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | |
| 81 | Supply fan SF-LC1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4J11 | 0.5"-3 No.12 | |
| 82 | Return fan RF-LC1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4J12 | 0.5"-3 No.12 | |
| 83 | Circ. pump P-LC1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4K1 | 0.5"-2 No.12 | |
| 84 | Exhaust fan EF-LC1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4K3 | 0.5"-3 No.12 | |
| 85 | Exhaust fan EF-LC2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4K5 | | |
| 86 | Roof exhaust fan EF-LC3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4K7 | 0.5"-2 No.12 | |
| 87 | Force flow heater FF-LC1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4K9 | 0.5"-2 No.12 | |
| 88 | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | |
| 91 | Supply fan SF-LD1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4N11 | 0.5"-3 No.12 | |
| 92 | Return fan RF-LD1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A4N12 | 0.5"-3 No.12 | |
| 93 | Circ. pump P-LD1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4P1 | 0.5"-2 No.12 | |
| 94 | Exhaust fan EF-LD1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4P3 | 0.5"-3 No.12 | |
| 95 | Exhaust fan EF-LD2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4P5 | | |
| 96 | Roof exhaust fan EF-LD3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4P7 | 0.5"-2 No.12 | |
| 97 | Force flow heater FF-LD1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4P9 | 0.5"-2 No.12 | |
| 98 | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 101 | Supply fan SF-LE1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5A11 | 0.5"-3 No.12 | |
| 102 | Return fan RF-LE1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5A12 | 0.5"-3 No.12 | |
| 103 | Circ. pump P-LE1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5B1 | 0.5"-2 No.12 | |
| 104 | Exhaust fan EF-LE1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5B3 | 0.5"-3 No.12 | |
| 105 | Exhaust fan EF-LE2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5B5 | | |
| 106 | Roof exhaust fan EF-LE3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5B7 | 0.5"-2 No.12 | |
| 107 | Force flow heater FF-LE1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5B9 | 0.5"-2 No.12 | |
| 108 | | | | | | | | | | | | | | | | |
| 109 | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | |
| 111 | Supply fan SF-LF1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5E11 | 0.5"-3 No.12 | |
| 112 | Return fan RF-LF1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5E12 | 0.5"-3 No.12 | |
| 113 | Circ. pump P-LF1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5F1 | 0.5"-2 No.12 | |
| 114 | Exhaust fan EF-LF1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5F3 | 0.5"-3 No.12 | |
| 115 | Exhaust fan EF-LF2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5F5 | | |
| 116 | Roof exhaust fan EF-LF3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5F7 | 0.5"-2 No.12 | |
| 117 | Force flow heater FF-LF1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5F9 | 0.5"-2 No.12 | |
| 118 | | | | | | | | | | | | | | | | |
| 119 | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | |
| 121 | Supply fan SF-LG1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5J11 | 0.5"-3 No.12 | |
| 122 | Return fan RF-LG1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5J12 | 0.5"-3 No.12 | |
| 123 | Circ. pump P-LG1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5K1 | 0.5"-2 No.12 | |
| 124 | Exhaust fan EF-LG1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5K3 | 0.5"-3 No.12 | |
| 125 | Exhaust fan EF-LG2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5K5 | | |
| 126 | Roof exhaust fan EF-LG3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5K7 | 0.5"-2 No.12 | |
| 127 | Force flow heater FF-LG1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5K9 | 0.5"-2 No.12 | |
| 128 | | | | | | | | | | | | | | | | |
| 129 | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | |
| 131 | Supply fan SF-LH1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5N11 | 0.5"-3 No.12 | |
| 132 | Return fan RF-LH1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A5N12 | 0.5"-3 No.12 | |
| 133 | Circ. pump P-LH1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5P1 | 0.5"-2 No.12 | |
| 134 | Exhaust fan EF-LH1 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5P3 | 0.5"-3 No.12 | |
| 135 | Exhaust fan EF-LH2 | 60 | | 0.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5P5 | | |
| 136 | Roof exhaust fan EH-LH3 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5P7 | 0.5"-2 No.12 | |
| 137 | Force flow heater FF-LH1 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5P9 | 0.5"-2 No.12 | |
| 138 | | | | | | | | | | | | | | | | |
| 139 | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | |



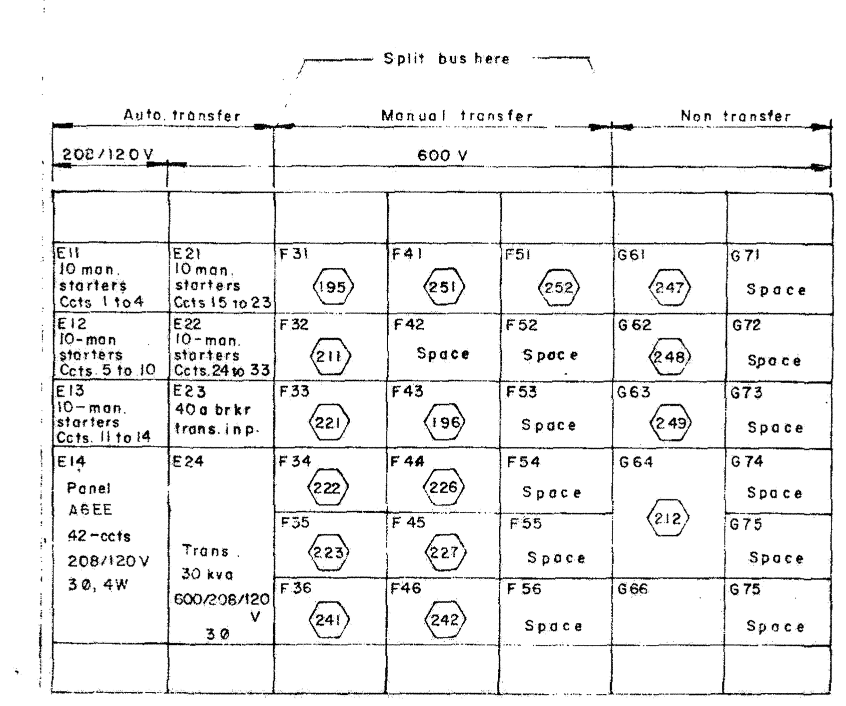

M.C.C. A3A, M3B, N3C. (North block)




M.C.C. A6A, M6B (Boiler room)



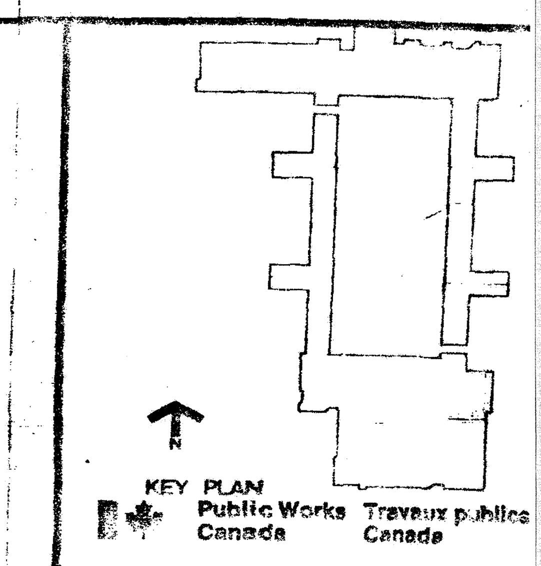

M.C.C. A6C, M6D (Fan room 200)




M.C.C. A6E, M6F, N6G

MOTOR CONTROL CENTRES (WESTINGHOUSE)
SCALE 0.5" = 1'-0"

# AS BUILT




Public Works Canada — Travaux publics Canada

ROYCE RICH & ASSOCIATES LTD.
ELECTRICAL ENGINEERS
2460A Marine Dr. West Vancouver B.C.

ROBERT F. HARRISON / ZOLTAN S. KISS
ASSOCIATED ARCHITECTS
955 Richards st. Vancouver B.C. V6B 3B8

A detail no. — détail no.
B location drawing no. — sur dessin no.
C drawing no. — dessin no.

| revisions | | date |
|---|---|---|
| 1 | Addendum No 8 inc | 17-05-77 |
| 2 | As Built | 79/05/11 |

*BC035368*

project title — titre du projet
# M.S.I.
MAXIMUM SECURITY INSTITUTION
AGASSIZ, B.C.

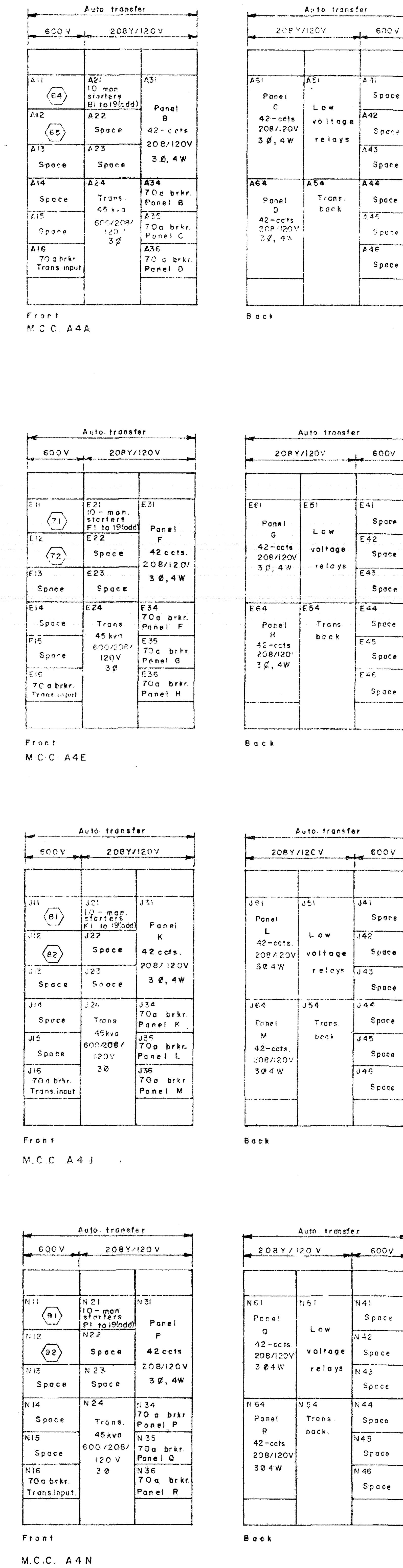
drawing title — titre du dessin
## ELECTRICAL-MECHANICAL EQUIPMENT SCHEDULE

| | | |
|---|---|---|
| designed by / conçu par — date | R.B. | 10/12/76 |
| drawn by / dessiné par — date | P. McF./J.H./B.N. | 10/12/76 |
| reviewed by / examiné par — date | R.R. | 10/12/76 |
| approved by / approuvé par — date | R.R. | 10/12/76 |
| Tender — Soumission | D.P.W. Project Manager — Administrateur de projets M.T.P. | |
| project number / no. du projet | 87592 (PKG 4611) | |
| drawing no / dessin no | E46R1 | |

PN 0158
DN 0097

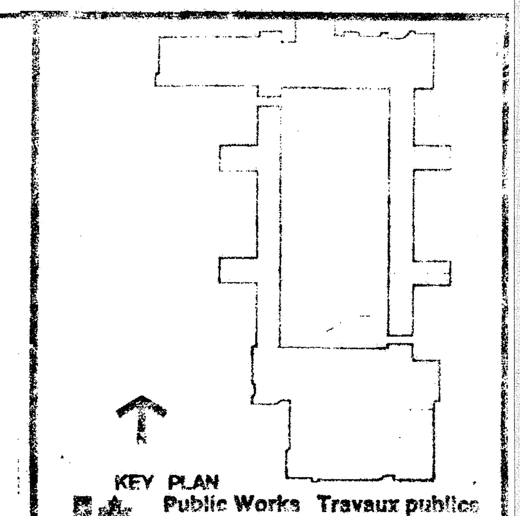
| ITEM | DESCRIPTION | WATT /VA | H.P. | AMP | VOLT | PHASE | LOCATION | BRKR AMP | TYPE | SIZE | P.B. | SEL SW | PILOT | Cct. | WIRING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 141 | Fan coil unit FCU-LAB-1 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4F11 | 0.5-2No.12 | |
| 142 | Fan coil unit FCU-LCD-1 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A4P11 | 0.5"-2No.12 | |
| 143 | Fan coil unit FCU-LEF-1 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5B11 | 0.5"-2No.12 | |
| 144 | Fan coil unit FCU-LGH-1 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A5K11 | 0.5"-2No.12 | |
| 145 | | | | | | | | | | | | | | | | |
| 146 | | | | | | | | | | | | | | | | |
| 147 | | | | | | | | | | | | | | | | |
| 148 | | | | | | | | | | | | | | | | |
| 149 | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | |
| 151 | Meat cooler, unit cooler UC-S1 | 210 | | 0.58 | 208 | 3 | MCC | | | | | | ✓ | | 2 No.12 | See wiring diagrams, Page 28. |
| 152 | Meat cooler, defrost | 1,500 | | 4.2 | 208 | 3 | MCC | 15 | | | | | | A6C22 | 0.75" 3 No.12 | " |
| 153 | Meat cooler, door heater | | | | 208 | 3 | MCC | | | | | | | | 2 No.12 | " |
| 154 | Meat cooler, cond. unit CU-S1 | | 1.0 | 3.7 | 208 | 3 | MCC | 15 | FVN3 | 1 | | | ✓ | A6C23 | 0.5"-3 No.12 | " |
| 155 | Freezer, unit cooler UC-S2 | 230 | | 0.63 | 208 | 3 | MCC | | | | | | ✓ | | 2 No.12 | " |
| 156 | Freezer, defrost | 1,950 | | 5.4 | 208 | 3 | MCC | 15 | | | | | | A6C24 | 0.75" 3 No.12 | " |
| 157 | Freezer, door heater | | | | 208 | 3 | MCC | | | | | | | | 2 No.12 | " |
| 158 | Freezer, cond. unit CU-S2 | | 2.0 | 6.9 | 208 | 3 | MCC | 15 | FVNR | 1 | | | ✓ | A6C25 | 0.5"-3No.12 | " |
| 159 | Veg. cooler, unit cooler UC-S3 | 210 | | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC15 | 0.5"-2No.12 | " |
| 160 | Veg. cooler, cond unit CU-S3 | | 1.0 | 3.7 | 208 | 3 | MCC | 15 | FVNR | 1 | | | ✓ | A6C26 | 0.5"-3No.12 | " |
| 161 | Dairy cooler, unit cooler UC-S4 | 210 | | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC17 | 0.5"-2No.12 | " |
| 162 | Dairy cooler, cond. unit CU-S4 | | 1.0 | 3.7 | 208 | 3 | MCC | 15 | FVNR | 1 | | | ✓ | A6C31 | 0.5"-3No.12 | " |
| 163 | Garb. rm., unit cooler UC-S5 | 620 | | 5.1 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC19 | 0.5"-2No.12 | " |
| 164 | Garb. rm., cond. unit CU-S5 | | 3.0 | 9.5 | 208 | 3 | MCC | 20 | FVNR | 1 | | | ✓ | A6C32 | 0.5"-3No.12 | " |
| 165 | | | | | | | | | | | | | | | | |
| 166 | | | | | | | | | | | | | | | | |
| 167 | | | | | | | | | | | | | | | | |
| 168 | | | | | | | | | | | | | | | | |
| 169 | | | | | | | | | | | | | | | | |
| 170 | | | | | | | | | | | | | | | | |
| 171 | Fan coil unit FCU-S14 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6C C12 | 0.5"-2 No.12 | |
| 172 | Fan coil unit FCU-S15 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 173 | | | | | | | | | | | | | | | | |
| 174 | Cab. unit heater CUH-S5 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC20 | 0.5"-2 No.12 | |
| 175 | Cab. unit heater CUH-S6 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC22 | 0.5"-2 No.12 | |
| 176 | | | | | | | | | | | | | | | | |
| 177 | | | | | | | | | | | | | | | | |
| 178 | | | | | | | | | | | | | | | | |
| 179 | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | |
| 181 | Air handling unit AHU-S3 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6D51 | 0.5"-3No.12 | |
| 182 | Return fan RF-S3 | | 2.5 | 3.3 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6D52 | 0.5"-3No.12 | |
| 183 | Circ. pump P-S12 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC1 | 0.5"-2No.12 | |
| 184 | | | | | | | | | | | | | | | | |
| 185 | Unit heater UH-S22 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2No.12 | |
| 186 | Unit heater UH-S23 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6C C24 | 0.5"-2No.12 | |
| 187 | Unit heater UH-S24 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2No.12 | |
| 188 | Cab unit heater CUH-S7 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC21 | 0.5"-2No.12 | |
| 189 | | | | | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | | | | |
| 191 | | | | | | | | | | | | | | | | |
| 192 | | | | | | | | | | | | | | | | |
| 193 | | | | | | | | | | | | | | | | |
| 194 | | | | | | | | | | | | | | | | |
| 195 | Air handling unit AHU-S6 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | | | | | | M6F31 | 0.5"-3No.12 | |
| 196 | Exhaust fan EF-S4 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | M6F43 | 0.5"-3No.12 | Provide start/stop/pilot station in shop R-102. |
| 197 | | | | | | | | | | | | | | | | |
| 198 | Unit heater UH-S16 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE12 | 0.5"-2No.12 | |
| 199 | Unit heater UH-S17 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E14 | 0.5"-2No.12 | |
| 200 | Unit heater UH-S18 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2No.12 | |
| 201 | Cab. unit heater CUH-S4 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE24 | 0.5"-2No.12 | |
| 202 | | | | | | | | | | | | | | | | |
| 203 | | | | | | | | | | | | | | | | |
| 204 | | | | | | | | | | | | | | | | |
| 205 | | | | | | | | | | | | | | | | |
| 206 | | | | | | | | | | | | | | | | |
| 207 | | | | | | | | | | | | | | | | |
| 208 | | | | | | | | | | | | | | | | |
| 209 | | | | | | | | | | | | | | | | |
| 210 | | | | | | | | | | | | | | | | |

| ITEM | DESCRIPTION | WATT /VA | H.P. | AMP | VOLT | PHASE | LOCATION | BRKR AMP | TYPE | SIZE | P.B. | SEL SW | PILOT | Cct. | WIRING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 211 | Air handling unit AHU-S7 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | | | | | | M6F32 | 0.5"-3 No.12 | |
| 212 | Exh. fan (cyclone) | | 40.0 | 41.0 | 600 | 3 | MCC | 70 | FVNR | 3 | | H.O.A. | ✓ | N6G64 | 1.25"-3No.4 | Mounted on dust collector, up 30'-0" |
| 213 | | | | | | | | | | | | | | | | |
| 214 | Unit heater UH-S12 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E10 | 0.5"-2 No.12 | |
| 215 | Unit heater UH-S13 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 216 | Unit heater UH-S14 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E12 | 0.5"-2 No.12 | |
| 217 | Unit heater UH-S15 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 218 | | | | | | | | | | | | | | | | |
| 219 | | | | | | | | | | | | | | | | |
| 220 | | | | | | | | | | | | | | | | |
| 221 | Air handling unit AHU-S8 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | | | | | | M6F33 | 0.5"-3 No.12 | |
| 222 | Air handling unit AHU-S9 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | | | | | | M6F34 | 0.5"-3No.12 | |
| 223 | Air handling unit AHU-S10 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | | | | | | M6F35 | 0.5"-3No.12 | |
| 224 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 226 | Exhaust fan EF-S10 | | 3.0 | 3.9 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6F44 | 0.5"-3 No.12 | |
| 227 | Exhaust fan EF-S11 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6F45 | 0.5"-3 No.12 | |
| 228 | | | | | | | | | | | | | | | | |
| 229 | Fan coil unit FCU-S8 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 230 | Fan coil unit FCU-S9 | | 0.10 | 1.9 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E13 | 0.5"-2 No.12 | |
| 231 | Fan coil unit FCU-S10 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 232 | Fan coil unit FCU-S11 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE15 | 0.5"-2 No.12 | |
| 233 | | | | | | | | | | | | | | | | |
| 234 | Unit heater UH-S10 | 150 | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE6 | 0.5"-2 No.12 | |
| 235 | Unit heater UH-S11 | 150 | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE6 | 0.5"-2 No.12 | |
| 236 | | | | | | | | | | | | | | | | |
| 237 | | | | | | | | | | | | | | | | |
| 238 | | | | | | | | | | | | | | | | |
| 239 | | | | | | | | | | | | | | | | |
| 240 | | | | | | | | | | | | | | | | |
| 241 | Air handling unit AHU-S2 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6F36 | 0.5"-3 No.12 | |
| 242 | Return fan RF-S2 | | 1.0 | 1.4 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6F46 | 0.5"-3 No.12 | |
| 243 | Circ. pump P-S11 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE3 | 0.5"-3 No.12 | |
| 244 | Unit heater UH-S9 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE6 | 0.5"-2 No.12 | |
| 245 | Unit heater UH-S25 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE8 | 0.5"-2 No.12 | |
| 246 | Supply fan SF-S2 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE8 | 0.5"-2 No.12 | |
| 247 | Air compressor P13 | | 100.0 | 99.0 | 600 | 3 | MCC | 150 | | | | | | N6G61 | 1.5"-3 No.1 | |
| 248 | Refrigerator after cooler | | 2.0 | 2.7 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | N6G62 | 0.5"-3 No.12 | |
| 249 | Air Compressor P-14 | | 15.0 | 17.0 | 600 | 3 | MCC | 40 | | | | | | N6G63 | 0.5"-3 No.12 | |
| 250 | Refrigerator after cooler | | 0.5 | 7.4 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE23 | 0.5"-2 No.12 | |
| 251 | Air handling unit AHU-S1 | | 7.5 | 9.1 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | M6F41 | 0.5"-3 No.12 | |
| 252 | Return fan RF-S1 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6F51 | 0.5"-3 No.12 | |
| 253 | Circ. pump P-S10 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE1 | 0.5"-2 No.12 | |
| 254 | Roof exhaust fan EF-S1 | | 0.5 | 7.4 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE21 | 0.5"-2 No.12 | |
| 255 | Roof exhaust fan EF-S2 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE17 | 0.5"-2 No.12 | |
| 256 | Roof exhaust fan EF-S3 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE19 | 0.5"-2 No.12 | |
| 257 | | | | | | | | | | | | | | | | |
| 258 | Cab unit heater CUH-S8 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE17 | 0.5"-2 No.12 | |
| 259 | Fan coil unit FCU-S1 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE5 | 0.5"-2 No.12 | |
| 260 | Fan coil unit FCU-S2 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 261 | Fan coil unit FCU-S3 | | 0.03 | 1.1 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E7 | 0.5"-2 No.12 | |
| 262 | Fan coil unit FCU-S4 | | 0.03 | 1.1 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 263 | Fan coil unit FCU-S5 | | 0.03 | 1.1 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E11 | 0.5"-2 No.12 | |
| 264 | Fan coil unit FCU-S6 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 265 | Fan coil unit FCU-S7 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE9 | 0.5"-2 No.12 | |
| 266 | Unit heater UH-S27 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE30 | 0.5"-2 No.12 | |
| 267 | Unit heater UH-S28 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE3 | 0.5"-2No.12 | |
| 268 | Unit heater UH-S1 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 269 | Unit heater UH-S2 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E2 | 0.5"-2 No.12 | |
| 270 | Unit heater UH-S3 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 271 | Unit heater UH-S4 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 272 | Unit heater UH-S5 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 273 | Unit heater UH-S6 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6E E4 | 0.5"-2 No.12 | |
| 274 | Unit heater UH-S7 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 275 | Unit heater UH-S8 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No.12 | |
| 276 | | | | | | | | | | | | | | | | |
| 277 | Cab. unit heater CUH-S1 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE18 | 0.5"-2 No.12 | |
| 278 | Cab. unit heater CUH-S2 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE20 | 0.5"-2 No.12 | |
| 279 | Cab. unit heater CUH-S3 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE22 | 0.5"-2 No.12 | |
| 280 | | | | | | | | | | | | | | | | |




MOTOR CONTROL CENTRES (WESTINGHOUSE)
SCALE 0.5"=1'-0"

AS BUILT




Public Works Canada / Travaux publics Canada


ROYCE RICH & ASSOCIATES LTD.
ELECTRICAL ENGINEERS
2460A Marine Dr. West Vancouver B.C.

ROBERT F. HARRISON / ZOLTAN S. KISS
ASSOCIATED ARCHITECTS
955 Richards St. Vancouver B.C. V6B 3B8


A detail no. / détail no.
B location drawing no. / sur dessin no.
C drawing no. / dessin no.

| revisions | | date |
|---|---|---|
| 1 | Addendum No.8 inc | 17-05-77 |
| 2 | As Built | 79/05/11 |

*BC035369*

project title / titre du projet

# M.S.I.

MAXIMUM SECURITY INSTITUTION
AGASSIZ, B.C.

drawing title / titre du dessin

## ELECTRICAL - MECHANICAL EQUIPMENT SCHEDULE

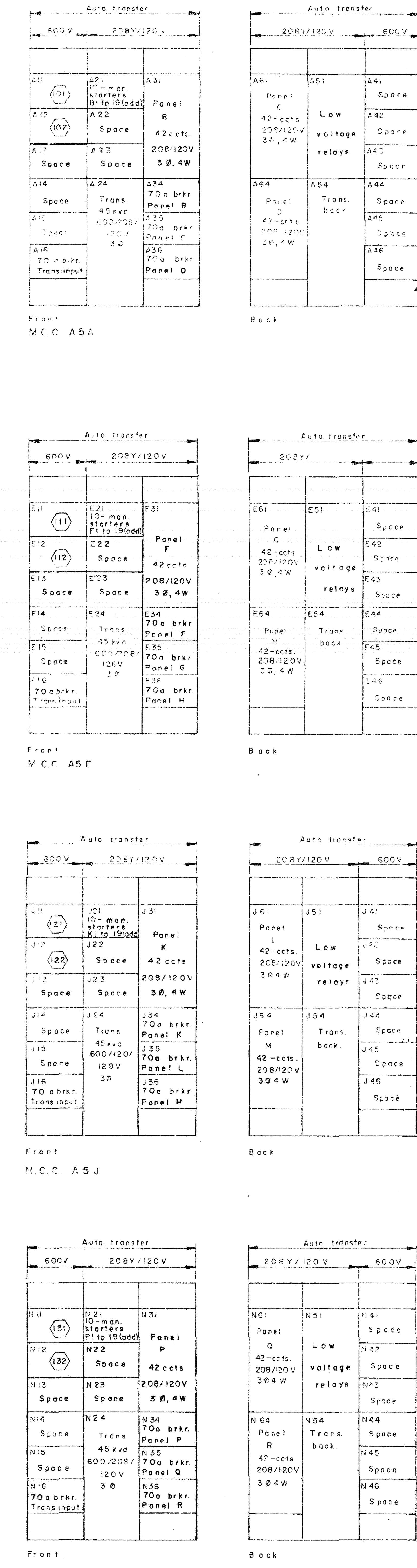
| | | |
|---|---|---|
| designed by / conçu par | R.B. | 10/12/76 |
| drawn by / dessiné par | P.McF./J.H./B.N. | 10/12/76 |
| reviewed by / examiné par | R.R. | 10/12/76 |
| approved by / approuvé par | R.R. | 10/12/76 |
| Tender / Soumission — D.P.W. Project Manager / Administrateur de projets M.T.P. | | |
| project number / no. du projet | 87592 (PKG 4611) | |
| drawing no. / dessin no. | E47R1 | |

PN 015 B
DN 0098

FOR REFERENCE ONLY

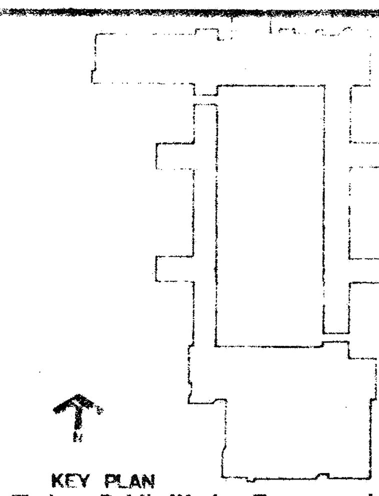
| ITEM | DESCRIPTION | WATT /VA | H.P. | AMP | VOLT | PHASE | LOCATION | BRKR AMP | TYPE | SIZE | P.B. | SEL.SW | PILOT | Cct. | WIRING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POWER REQUIREMENTS | | | | | COMBINATION STARTER DATA | | STARTERS | | CONTROL | | | | | |
| 281 | | | | | | | | | | | | | | | | |
| 282 | | | | | | | | | | | | | | | | |
| 283 | | | | | | | | | | | | | | | | |
| 284 | Unit heater UH-S20 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE 16 | 0.5"-2 No. 12 | |
| 285 | Unit heater UH-S21 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | 0.5"-2 No. 12 | |
| 286 | | | | | | | | | | | | | | | | |
| 287 | | | | | | | | | | | | | | | | |
| 288 | | | | | | | | | | | | | | | | |
| 289 | | | | | | | | | | | | | | | | |
| 290 | | | | | | | | | | | | | | | | |
| 291 | Boiler B-S1 | | 8.0 | 10.0 | 600 | 3 | MCC | 20 | | | | | | A6A21 | 0.75"-4 No. 12 | |
| 292 | Boiler B-S2 | | 8.0 | 10.0 | 600 | 3 | MCC | 20 | | | | | | M6B42 | 0.75"-4 No. 12 | |
| 293 | Circ. pump P-S18 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | A6A22 | 0.5"-3 No. 12 | |
| 294 | Circ. pump P-S19 | | 10.0 | 11.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | M6B43 | 0.5"-3 No. 12 | |
| 295 | Fuel Oil pump No. 1 P-S20 | | 0.75 | 1.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A6A23 | 0.5"-3 No. 12 | |
| 296 | Fuel Oil pump No. 2 P-S21 | | 0.75 | 1.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6B44 | 0.5"-3 No. 12 | |
| 297 | | | | | | | | | | | | | | | | |
| 298 | Boiler rm. vent fan SF-S1 | | 2.0 | 2.6 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | A6A24 | 0.5"-3 No. 12 | |
| 299 | | | | | | | | | | | | | | | | |
| 300 | DHW circ. pump P-S1 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA1 | 0.5"-3 No. 12 | |
| 301 | DHW circ. pump P-S2 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA3 | | |
| 302 | DHW circ. pump P-S3 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA5 | 0.5"-3 No. 12 | |
| 303 | DHW circ. pump P-S4 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA7 | | |
| 304 | DHW circ. pump P-S5 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA2 | 0.5"-3 No. 12 | |
| 305 | DHW circ. pump P-S6 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA4 | | |
| 306 | DHW circ. pump P-S7 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA6 | 0.5"-3 No. 12 | |
| 307 | DHW circ. pump P-S8 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA8 | | |
| 308 | DHW recirc. pump P-7 | | 0.5 | 7.4 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA10 | 0.5"-2 No. 12 | |
| 309 | DHW recirc. pump P-8 | | 0.33 | 5.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA12 | 0.5"-2 No. 12 | |
| 310 | | | | | | | | | | | | | | | | |
| 311 | | | | | | | | | | | | | | | | |
| 312 | | | | | | | | | | | | | | | | |
| 313 | | | | | | | | | | | | | | | | |
| 314 | | | | | | | | | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 316 | Air handling Unit AHU-S4 | | 5.0 | 6.0 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6D53 | 0.5"-3 No. 12 | |
| 317 | Return fan RF-S4 | | 1.5 | 2.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6D54 | 0.5"-3 No. 12 | |
| 318 | Circ pump P-S13 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC3 | 0.5"-2 No. 12 | |
| 319 | Circ. pump P-S15 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC7 | 0.5"-2 No. 12 | |
| 320 | | | | | | | | | | | | | | | | |
| 321 | Air handling Unit AHU-S5 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | | ✓ | M6D55 | 0.5"-3 No. 12 | |
| 322 | Exhaust fan EF-S6 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | | ✓ | M6D56 | 0.5"-3 No. 12 | |
| 323 | Circ. pump P-S14 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC5 | 0.5"-2 No. 12 | |
| 324 | | | | | | | | | | | | | | | | |
| 325 | Roof exhaust fan EF-S5 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC2 | 0.5"-2 No. 12 | |
| 326 | Roof exhaust fan EF-S7 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC4 | 0.5"-2 No. 12 | |
| 327 | Roof exhaust fan EF-S8 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC6 | 0.5"-2 No. 12 | |
| 328 | Roof exhaust fan EF-S9 | | 0.33 | 5.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC8 | 0.5"-2 No. 12 | |
| 329 | Roof exhaust fan EF-S12 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC10 | 0.5"-2 No. 12 | |
| 330 | | | | | | | | | | | | | | | | |
| 331 | Chiller CH-S1 | | | 50.0 | 600 | 3 | MCC | 70 | | | | | | M6D61 | 1.5"-4 No. 4 | |
| 332 | Condenser ACC-S1 | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6D62 | 0.5"-3 No. 12 | |
| 333 | Chilled water pump P-S9 | | 2.0 | 2.7 | 600 | 3 | MCC | 15 | FVNR | 1 | | H.O.A. | ✓ | M6D63 | 0.5"-3 No. 12 | |
| 334 | | | | | | | | | | | | | | | | |
| 335 | Circ pump P-S17 | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC9 | 0.5"-2 No. 12 | |
| 336 | | | | | | | | | | | | | | | | |
| 337 | Fan coil Unit FCU-S12 | | 0.10 | 1.9 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC 14 | 0.75" 10 No. 12 (2 No. 12 per unit) | |
| 338 | Fan coil Unit FCU-S13 | | 0.08 | 1.8 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 339 | Fan coil Unit FCU-S16 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 340 | Fan coil Unit FCU-S17 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 341 | Fan coil Unit FCU-S18 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC 16 | | |
| 342 | Fan coil Unit FCU-S19 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 343 | Fan coil Unit FCU-S20 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 344 | Fan coil Unit FCU-S21 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 345 | Fan coil Unit FCU-S22 | | 0.05 | 1.5 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | | | |
| 346 | | | | | | | | | | | | | | | | |
| 347 | | | | | | | | | | | | | | | | |
| 348 | | | | | | | | | | | | | | | | |
| 349 | | | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | | | |

| ITEM | DESCRIPTION | WATT /VA | H.P. | AMP | VOLT | PHASE | LOCATION | BRKR AMP | TYPE | SIZE | P.B. | SEL.SW | PILOT | Cct. | WIRING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | POWER REQUIREMENTS | | | | | COMBINATION STARTER DATA | | STARTERS | | CONTROL | | | | | |
| 351 | Unit heater UH-S19 | | 0.04 | 1.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC 23 | 0.5"-2 No. 12 | |
| 352 | | | | | | | | | | | | | | | | |
| 353 | | | | | | | | | | | | | | | | |
| 354 | | | | | | | | | | | | | | | | |
| 355 | | | | | | | | | | | | | | | | |
| 356 | Controls compressor | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | | | | | | A6C41 | 1.25" 3 No. 12 | |
| 357 | Controls compressor | | 5.0 | 6.1 | 600 | 3 | MCC | 15 | | | | | | A6C42 | 3 No. 12 | |
| 358 | Alternator | | | | 120 | 1 | MCC | 15 | | | | | | A6CC 42 | 2 No. 12 | Supplied by Mech. |
| 359 | Refrig after cooler | | 0.25 | 4.6 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6CC 18 | 2 No. 12 | |
| 360 | | | | | | | | | | | | | | | | |
| 361 | | | | | | | | | | | | | | | | |
| 362 | | | | | | | | | | | | | | | | |
| 363 | | | | | | | | | | | | | | | | |
| 364 | | | | | | | | | | | | | | | | |
| 365 | Circ pump P-S16 | | 0.16 | 3.2 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6AA19 | 0.5"-2 No. 12 | |
| 366 | Supply fan SF-S3 | 100 | | 0.9 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE26 | 0.5"-2 No. 12 | |
| 367 | Supply fan SF-S4 | 100 | | 0.9 | 120 | 1 | MCC | 15 | Man. | S.P. | | | ✓ | A6EE26 | 0.5"-2 No. 12 | |
| 368 | | | | | | | | | | | | | | | | |
| 369 | | | | | | | | | | | | | | | | |
| 370 | Storm sump pump P-11 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | A6A33 | 1.0" 3 No. 12 | |
| 371 | Storm sump pump P-12 | | 7.5 | 9.0 | 600 | 3 | MCC | 20 | FVNR | 1 | | H.O.A. | ✓ | A6A34 | 3 No. 12 | |
| 372 | | | | | | | | | | | | | | | | |
| 373 | | | | | | | | | | | | | | | | |
| 374 | | | | | | | | | | | | | | | | |
| 375 | | | | | | | | | | | | | | | | |
| 376 | | | | | | | | | | | | | | | | |
| 377 | | | | | | | | | | | | | | | | |
| 378 | | | | | | | | | | | | | | | | |
| 379 | | | | | | | | | | | | | | | | |
| 380 | | | | | | | | | | | | | | | | |
| 381 | | | | | | | | | | | | | | | | |
| 382 | | | | | | | | | | | | | | | | |
| 383 | | | | | | | | | | | | | | | | |
| 384 | | | | | | | | | | | | | | | | |
| 385 | | | | | | | | | | | | | | | | |
| 386 | | | | | | | | | | | | | | | | |
| 387 | | | | | | | | | | | | | | | | |
| 388 | | | | | | | | | | | | | | | | |
| 389 | | | | | | | | | | | | | | | | |
| 390 | | | | | | | | | | | | | | | | |
| 391 | | | | | | | | | | | | | | | | |
| 392 | | | | | | | | | | | | | | | | |
| 393 | | | | | | | | | | | | | | | | |
| 394 | | | | | | | | | | | | | | | | |
| 395 | | | | | | | | | | | | | | | | |
| 396 | | | | | | | | | | | | | | | | |
| 397 | | | | | | | | | | | | | | | | |
| 398 | | | | | | | | | | | | | | | | |
| 399 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 401 | | | | | | | | | | | | | | | | |
| 402 | | | | | | | | | | | | | | | | |
| 403 | | | | | | | | | | | | | | | | |
| 404 | | | | | | | | | | | | | | | | |
| 405 | | | | | | | | | | | | | | | | |
| 406 | | | | | | | | | | | | | | | | |
| 407 | | | | | | | | | | | | | | | | |
| 408 | | | | | | | | | | | | | | | | |
| 409 | | | | | | | | | | | | | | | | |
| 410 | | | | | | | | | | | | | | | | |
| 411 | | | | | | | | | | | | | | | | |
| 412 | | | | | | | | | | | | | | | | |
| 413 | | | | | | | | | | | | | | | | |
| 414 | | | | | | | | | | | | | | | | |
| 415 | | | | | | | | | | | | | | | | |
| 416 | | | | | | | | | | | | | | | | |
| 417 | | | | | | | | | | | | | | | | |
| 418 | | | | | | | | | | | | | | | | |
| 419 | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | |




MOTOR CONTROL CENTRES (WESTINGHOUSE)
SCALE 0.5" = 1'-0"

AS BUILT




Public Works Canada / Travaux publics Canada

ROYCE RICH & ASSOCIATES LTD.
ELECTRICAL ENGINEERS
2460A Marine Dr. West Vancouver B.C.

ROBERT F. HARRISON / ZOLTAN S. KISS
ASSOCIATED ARCHITECTS
955 Richards st. Vancouver B.C. V6B 3B8

A detail no. / détail no.
B location drawing no. / sur dessin no.
C drawing no. / dessin no.

| revisions | | date |
|---|---|---|
| 1 | Addendum No 8 inc. | 17-05-77 |
| 2 | As Built | 79/05/11 |

project title / titre du projet
# M.S.I.
MAXIMUM SECURITY INSTITUTION
AGASSIZ, B.C.

drawing title / titre du dessin
## ELECTRICAL - MECHANICAL EQUIPMENT SCHEDULE

| | | |
|---|---|---|
| designed by / conçu par | R.B. | 10/12/76 |
| drawn by / dessiné par | P.McF./J.H./B.N. | 10/12/76 |
| reviewed by / examiné par | R.R. | 10/12/76 |
| approved by / approuvé par | R.R. | 10/12/76 |

Tender / Soumission
D.P.W. Project Manager / Administrateur de projets M.T.P.

project number / no. du projet
87592 (PKG 4611)

drawing no. / dessin no.
E48R1

PN 0158
DN 0099