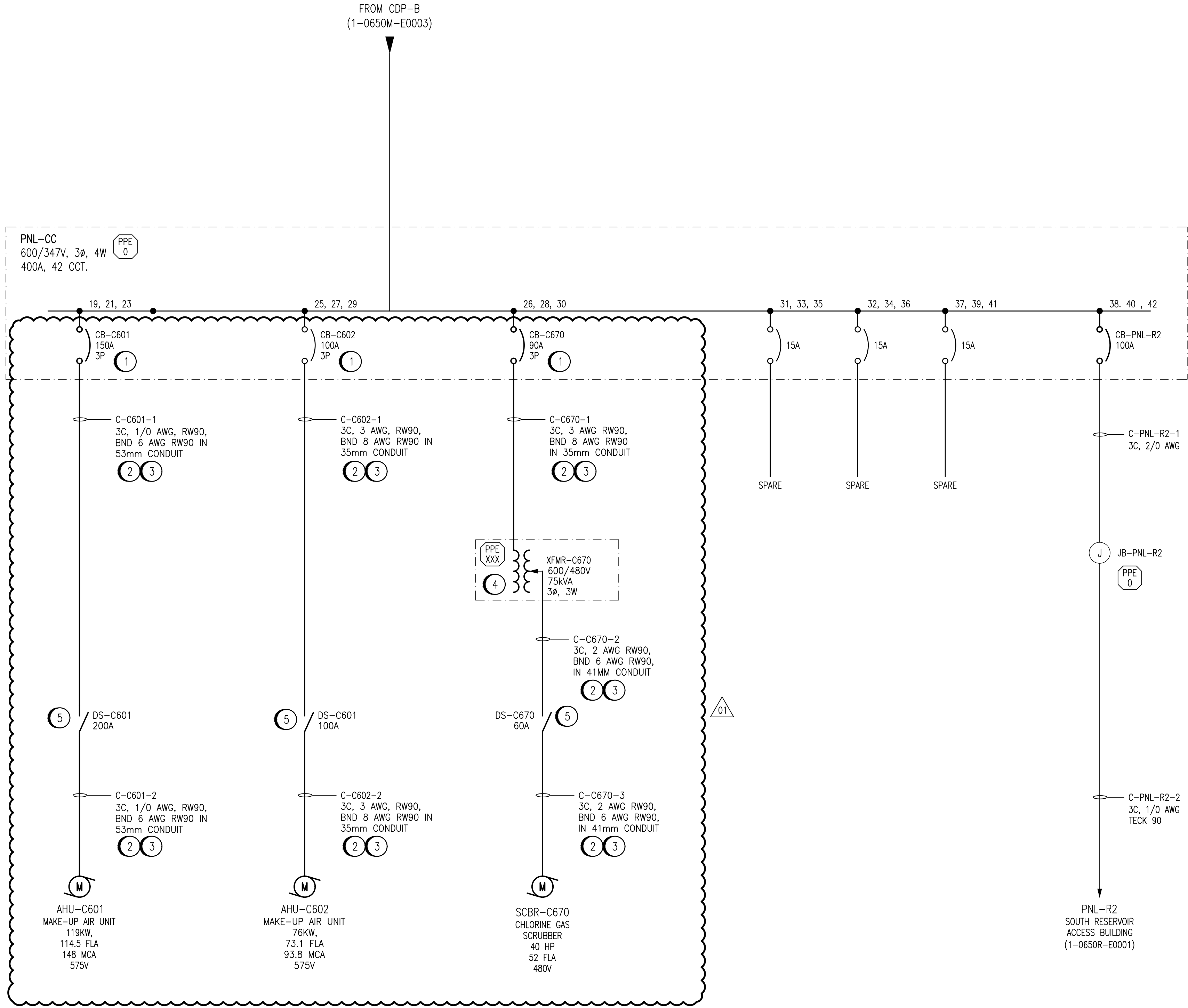




SPECIFIC NOTES:

- 1 PROVIDE NEW CIRCUIT BREAKERS AND ALL REQUIRED CONDUIT AND CABLING TO FEED NEW EQUIPMENT LOADS AHU-C601, AHU-C602, AND SCBR-C670 FROM PNL-CC. BREAKER MODEL AND KAIC RATING TO EXISTING BREAKER IN DISTRIBUTION
- 2 ALL CONDUIT AND CABLING RAN WITHIN THE CHLORINE TONNER ROOM, SCALE ROOM AND CHLORINATOR ROOMS MUST MEET NEMA 4X STANDARDS AND CEC HAZARDOUS LOCATIONS REQUIREMENTS.
- 3 ALL WALL PENETRATIONS INTO THE CHLORINE BUILDING SPACE MUST BE SEALED WITH FIRE STOP OR A SUITABLE ALTERNATIVE.
- 4 PROVIDE NEW 600/480V STEP-DOWN AUTOTRANSFORMER XFMR-C670 TO FEED CHLORINE SCRUBBER UNIT SCBR-C670. TRANSFORMER WILL BE MOUNTED OUTSIDE ON THE SCRUBBER PAD AND SHALL BE MINIMUM NEMA 3R RATED.
- 5 PROVIDE NEW OUTDOOR RATED LOCAL DISCONNECT SWITCHES.

LEGEND:

NEW EQUIPMENT

EXISTING

ARC FLASH VALUES CALCULATED ARE PRELIMINARY AND WILL BE FINALIZED DURING CONSTRUCTION

1-0650M-E0056
1-0650M-E0049
1-0650M-E0048
1-0650M-E0021

CONNECTION DIAGRAM, CHLORINE GAS SCRUBBER SCBR-C670
CONNECTION DIAGRAM, MAKE-UP AIR UNIT AHU-C602
CONNECTION DIAGRAM, MAKE-UP AIR UNIT AHU-C601
ELECTRICAL SCHEDULES - 600V PANELBOARDS

REFERENCE DRAWINGS

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
AtkinsRéalis Canada Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE
00	ISSUED FOR CONSTRUCTION	2012/05/14	VE	CJR

AtkinsRéalis
148 Nature Park Way, Winnipeg, Manitoba
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DESIGNED BY:
V. ELIMBAN
CHECKED BY:
C. REIMER
DRAWN BY:
M.J. PERSSON
APPROVED BY:
C. REIMER
SCALE:
NTS
ISSUED FOR CONSTRUCTION
BY:
M. SKINNER
DATE:
2011/12/15
DATE:
2025/04/30
CONSULTANT NO.:
113292-0016-47DD-0017

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION

ELECTRICAL SINGLE LINE DIAGRAM
PNL-CC

CITY DRAWING NUMBER
1-0650M-E0017
SHEET
001
REV.
01
SIZE
A1