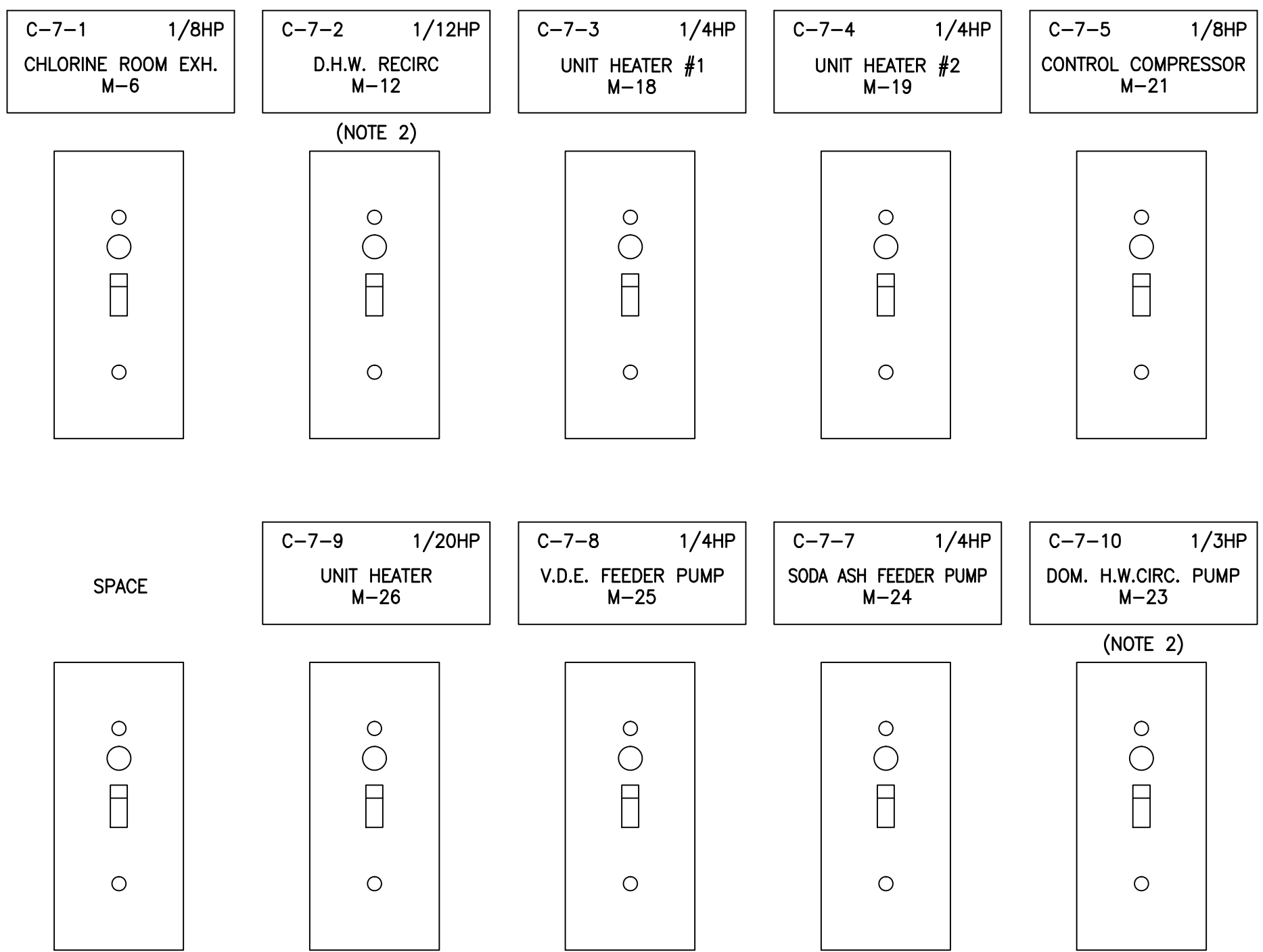
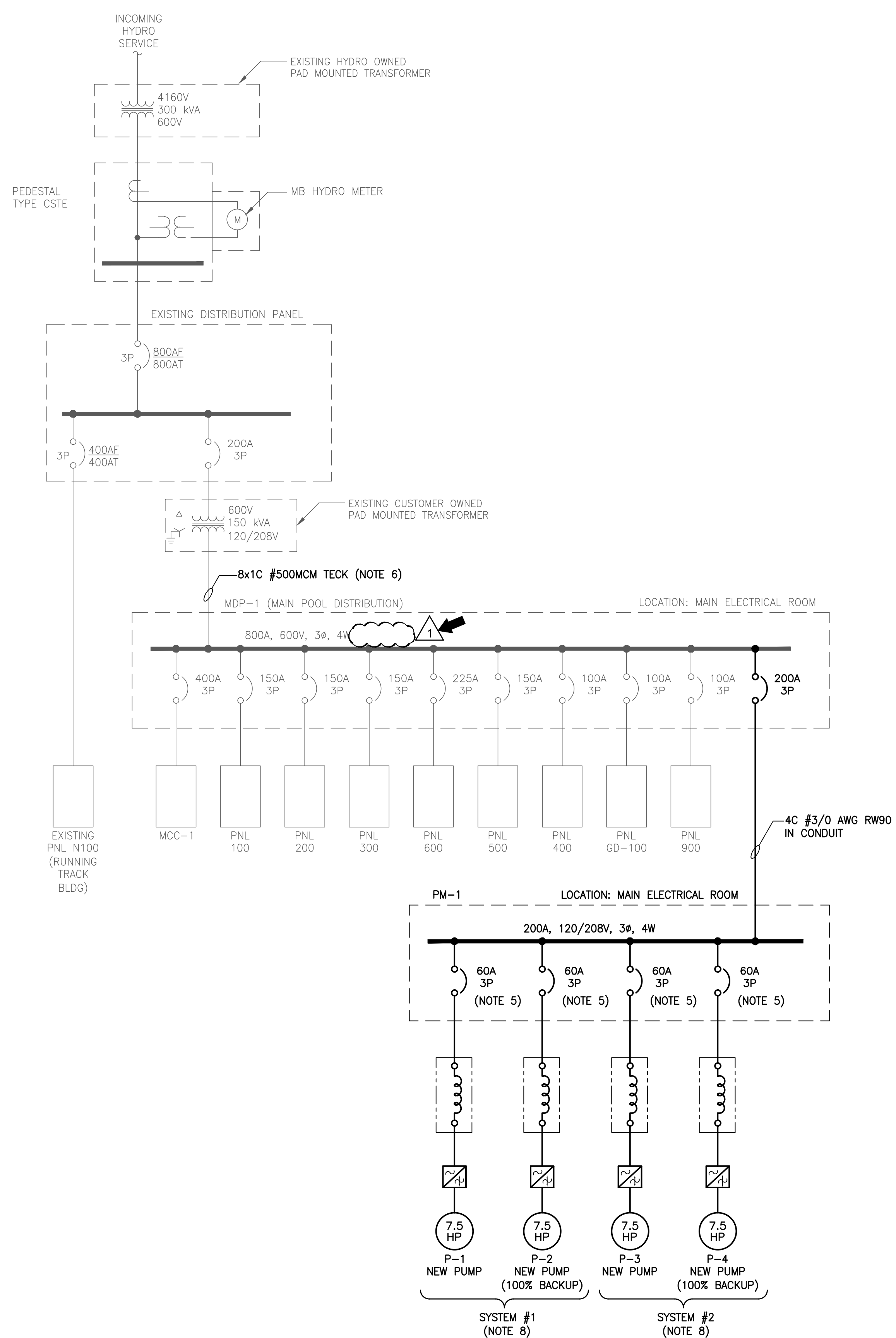


**A** MCC-1 ELEVATIONS  
SCALE: N.T.S.



**B** C-7 LAYOUT  
SCALE: N.T.S.



**1** SINGLE LINE DIAGRAM  
SCALE: N.T.S.

- NOTES:**
- EXISTING MECHANICAL EQUIPMENT IS BEING REMOVED. CONTRACTOR TO REMOVE ALL WIRE, CONDUIT AND DISCONNECT SWITCHES BETWEEN THE MOTOR AND THE STARTER. ALL EXISTING LABELLING SHALL BE REMOVED AND REPLACED WITH A NEW LABEL MARKED 'SPARE', UNLESS OTHERWISE NOTED.
  - EXISTING MECHANICAL EQUIPMENT IS BEING RELOCATED. CONTRACTOR IS TO EXTEND ALL WIRING AND CONDUIT REQUIRED TO SUIT THE NEW MOTOR LOCATION.
  - EXISTING STARTER TO BE RE-USED TO FEED NEW PUMP PU-6. PROVIDE NEW LABEL, WORDING FOR LABELING TO BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND APPROVAL.
  - EXISTING STARTER TO BE RE-USED TO FEED NEW PUMP PU-5. PROVIDE NEW LABEL, WORDING FOR LABELING TO BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND APPROVAL.
  - CONTRACTOR TO PROVIDE LOCKING HARDWARE FOR EACH BREAKER FEEDING THE VFD'S.
  - CONTRACTOR TO PROVIDE MEGGER TESTING FOR ALL EXISTING EIGHT (8) CONDUCTORS AND PROVIDE ALL TESTING RESULTS TO THE CONTRACT ADMINISTRATOR FOR REVIEW.
  - 
  - REFER TO DETAIL A ON DWG E04 FOR A TYPICAL VFD SYSTEM WIRING SCHEMATIC.
  - PANEL SCHEDULE TO BE UPDATED TO SHOW ALL NEW MODIFICATIONS.

- LEGEND:**
- LINE REACTOR
  - VARIABLE FREQUENCY DRIVE
  - TRANSFORMER
  - BREAKER
  - SAFETY DISCONNECT SWITCH

File Name: P:\Projects\2011\11-0107-32\Doc\Control\Tobelsaused\DWG\11-0107-32\_E03-rev 1.dwg - Tab: E03 Plotted By: Gnelson 12/03/16 [Fri 2:33pm]



<b>KGS GROUP</b> CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG (204) 896-1209 THUNDER BAY (807) 345-2233		ENGINEER'S SEAL THE ORIGINAL ISSUE REV. 0 WAS STAMPED, DATED AND SIGNED BY: C.P. SURGEONER, P.ENG ON 2012/02/24
DESIGNED BY: CLS	CHECKED BY:	CONSULTANT DRAWING NO. E03
DRAWN BY: GCN	APPROVED BY:	
HOR. SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION:	
ISSUED FOR ADDENDUM #1: 12/03/16 JLL		
ISSUED FOR TENDER: 12/02/24 CPS		
NO. REVISIONS	DATE	BY

<b>THE CITY OF WINNIPEG</b> PLANNING, PROPERTY & DEVELOPMENT		SHEET OF <b>003 004</b>
PROJECT TITLE: ST. JAMES CENTENNIAL POOL 644 PARKDALE STREET BID OPPORTUNITY: 45-2012 UPGRADE HYDRONIC HEATING SYSTEM		COMPUTER FILE NAME 11-0107-32-E03
SINGLE LINE DIAGRAM AND DETAILS		CITY DRAWING NUMBER