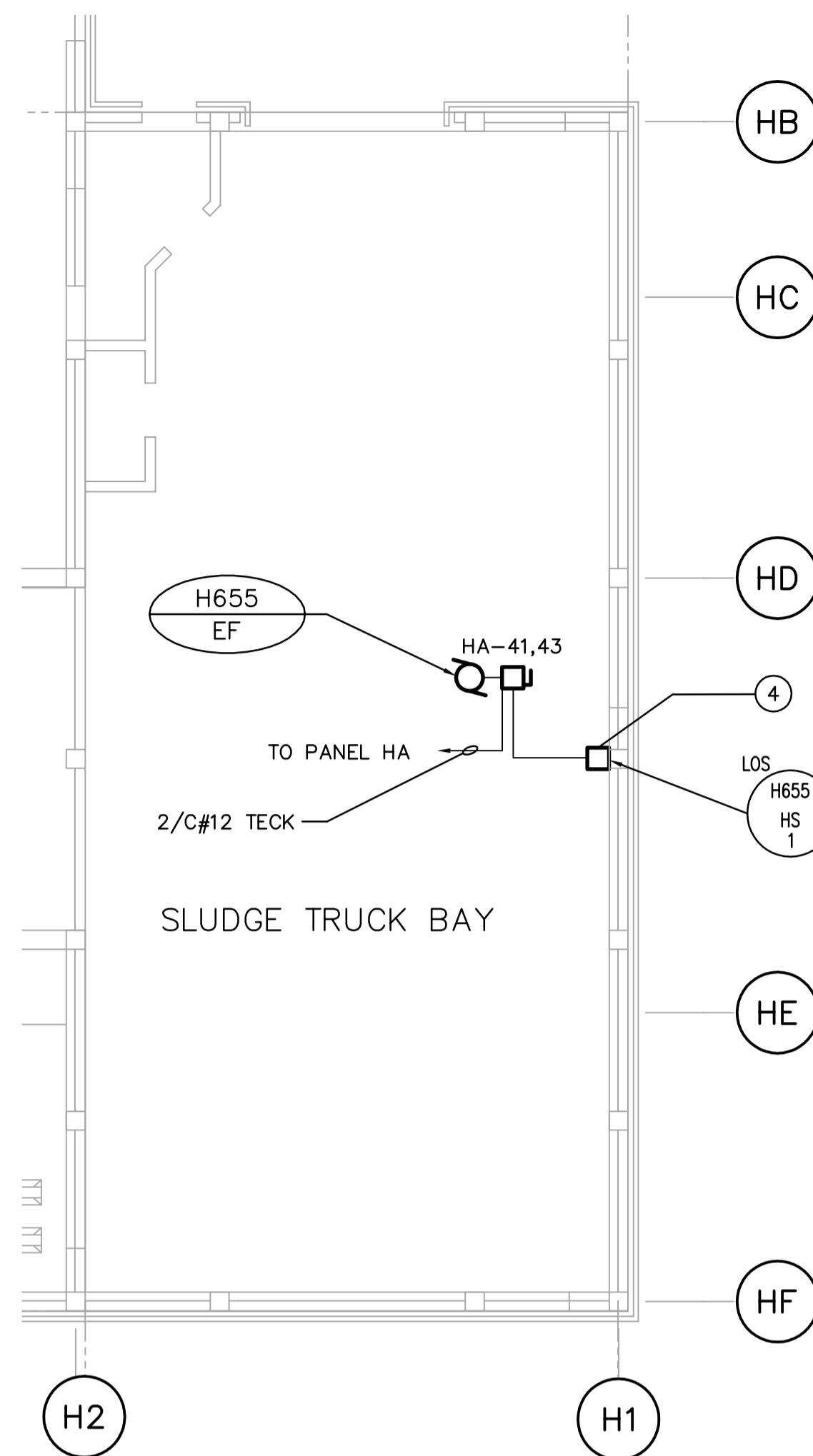
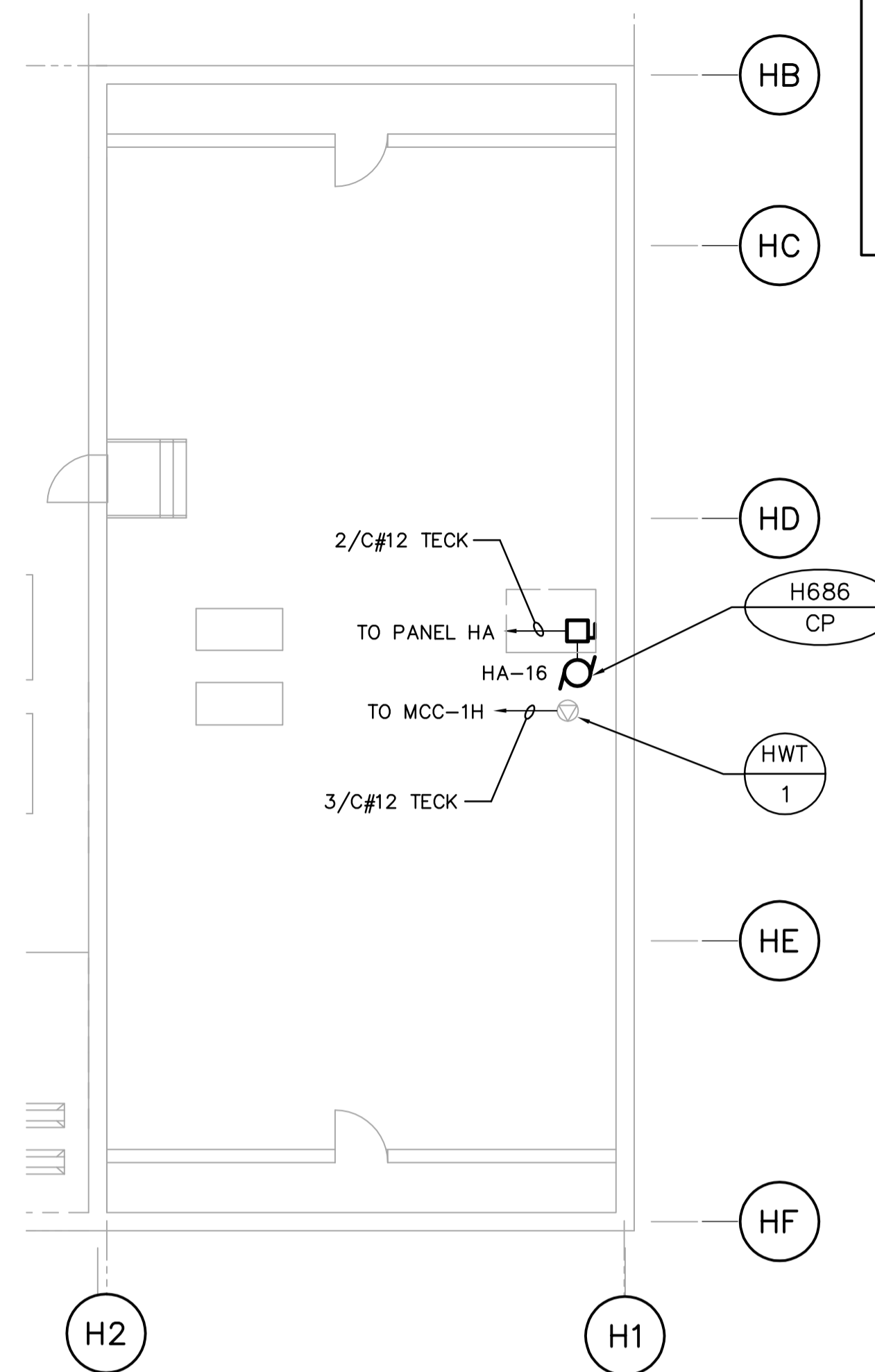


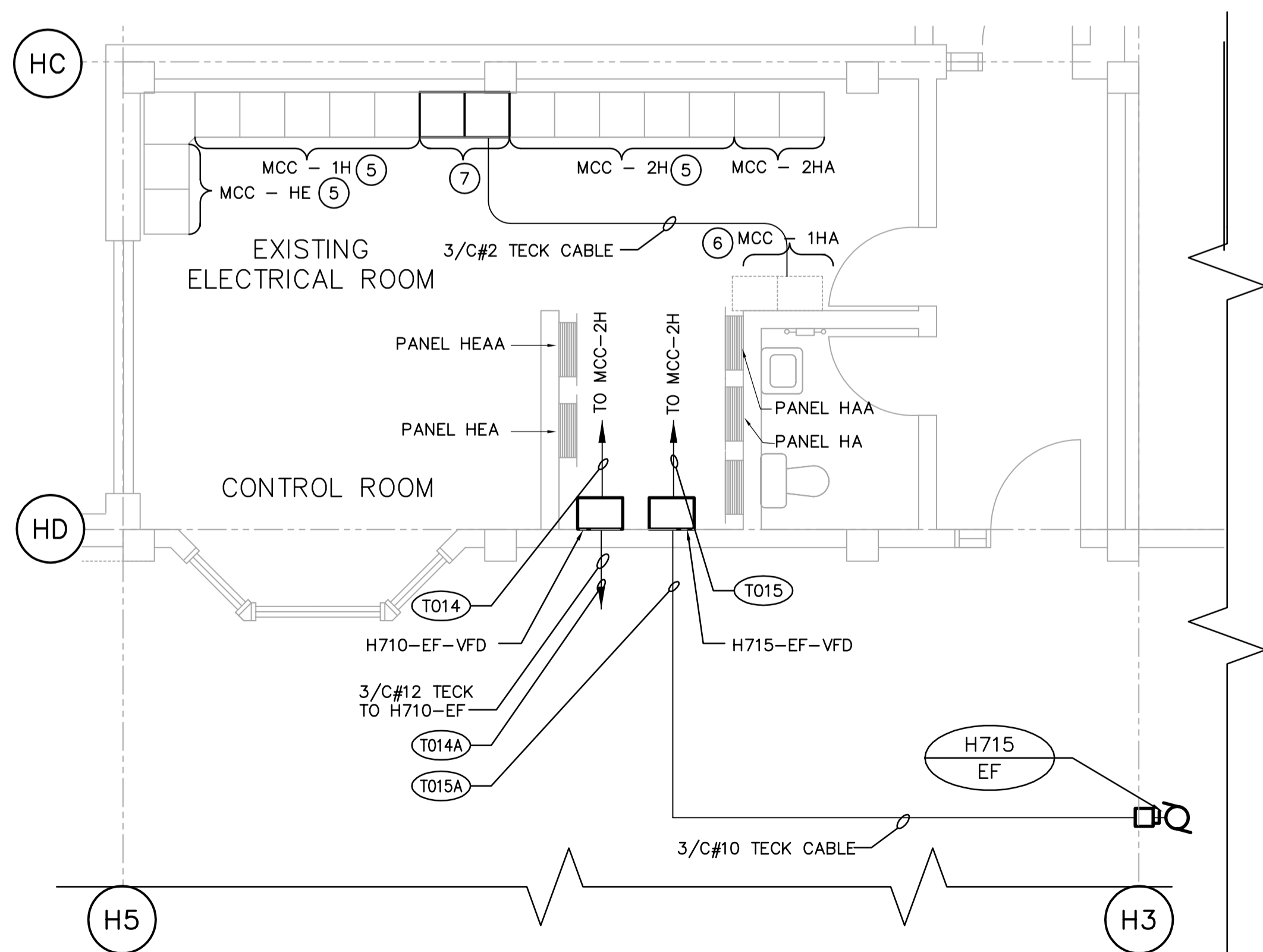
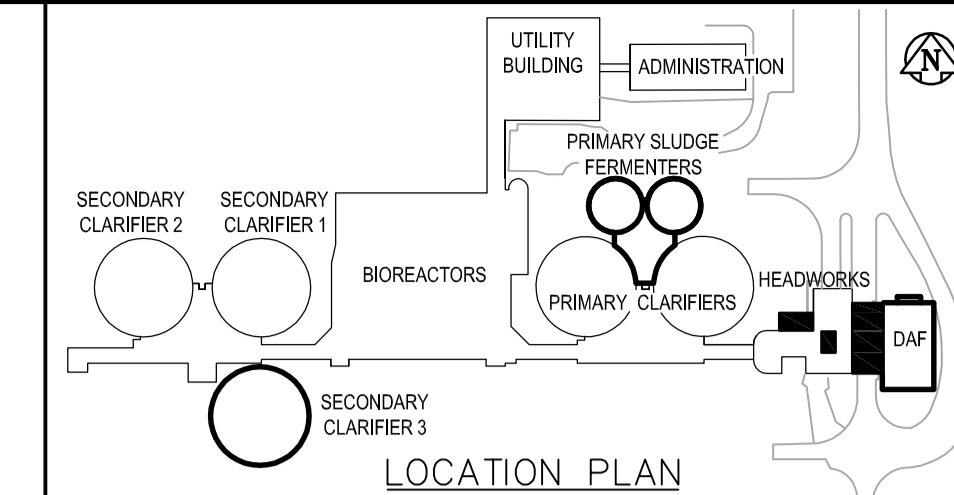
SLUDGE PUMP PIT - POWER PLAN
SCALE: 1:100



SLUDGE TRUCK BAY - POWER PLAN
SCALE: 1:100



UPPER LEVEL - POWER PLAN
SCALE: 1:100



ELECTRICAL ROOM - POWER PLAN
SCALE: 1:50

DRAWING NOTES

- ① DISCONNECT EXISTING SLUDGE TRANSFER PUMPS H410 AND H420 AND MAKE READY FOR REMOVAL. WIRE AND CONNECT NEW PUMPS AND CONTROLS ONCE PUMPS HAVE BEEN PLACED. REMOVE EXISTING CABLES FROM MOTORS TO MCC-1H AND MCC-2H. PROVIDE 3/C#4 TECK HL CABLE FROM PUMP MOTORS TO RELATED MCC-1H AND MCC-2H VIA EXISTING ROUTING. REFER TO PROCESS DRAWING HP1.01.
- ② EXISTING CONTROLS FOR SLUDGE TRANSFER PUMP H410 AND FLOW CONTROL VALVE H445.
- ③ EXISTING CONTROLS FOR SLUDGE TRANSFER PUMP H420 AND FLOW CONTROL VALVE H446.
- ④ TIME CONTROL STATION SUPPLIED BY DIVISION 15, INSTALLED BY DIVISION 16.
- ⑤ EXISTING MCC'S. REFER TO DRAWING HE2.01 FOR DETAILS AND MODIFICATIONS.
- ⑥ DISCONNECT MCC-1HA FROM SHUNT BREAKERS IN MCC-1H. RELOCATE TO LOCATION INDICATED. EXTEND 3/C#2 TECK FROM SHUNT BREAKER TO NEW LOCATION OF MCC-1HA.
- ⑦ PROVIDE 2 NEW MCC CELLS TO MATCH EXISTING. NEW CELLS TO HAVE 800A, 600V HORIZONTAL BUS AND 600A VERTICAL BUS. CONNECT HORIZONTAL BUS TO EXISTING MCC-1H. ADJUST CIRCUIT WIRING AS MAY BE REQUIRED FOR MCC-1HA.

GENERAL NOTES

1. COORDINATE WITH OTHER TRADES TO PREVENT CONFLICTS.
2. USE PVC JACKETED HITECK CABLE FOR ALL POWER WIRING.
3. WIRING FOR LIGHTING, RECEPTACLES AND COMMUNICATIONS TO IN RIGID ALUMINUM CONDUIT.
4. ALL CONDUIT TO BE 21mmØ MINIMUM UNLESS OTHERWISE NOTED.



B.M. ELEV.		EarthTech A Tyco International Ltd. Company		ENGINEER'S SEAL	
DESIGNED BY	GSN	CHECKED BY	PS	ORIGINAL SIGNED BY	P. STRYK
DRAWN BY	ERC	APPROVED BY	JEH	DATE	2006/04/26
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX	CONSULTANT DRAWING NO.	HE1.01
VERTICAL SCALE:		DATE	2006/02/24	DATE	2006/04/26
NO. REVISIONS		DATE		DATE	

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WEWPCC
BIOLOGICAL NUTRIENT REMOVAL UPGRADE
CONTRACT 3

ELECTRICAL
AREA H - HEADWORKS
POWER PLANS

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER