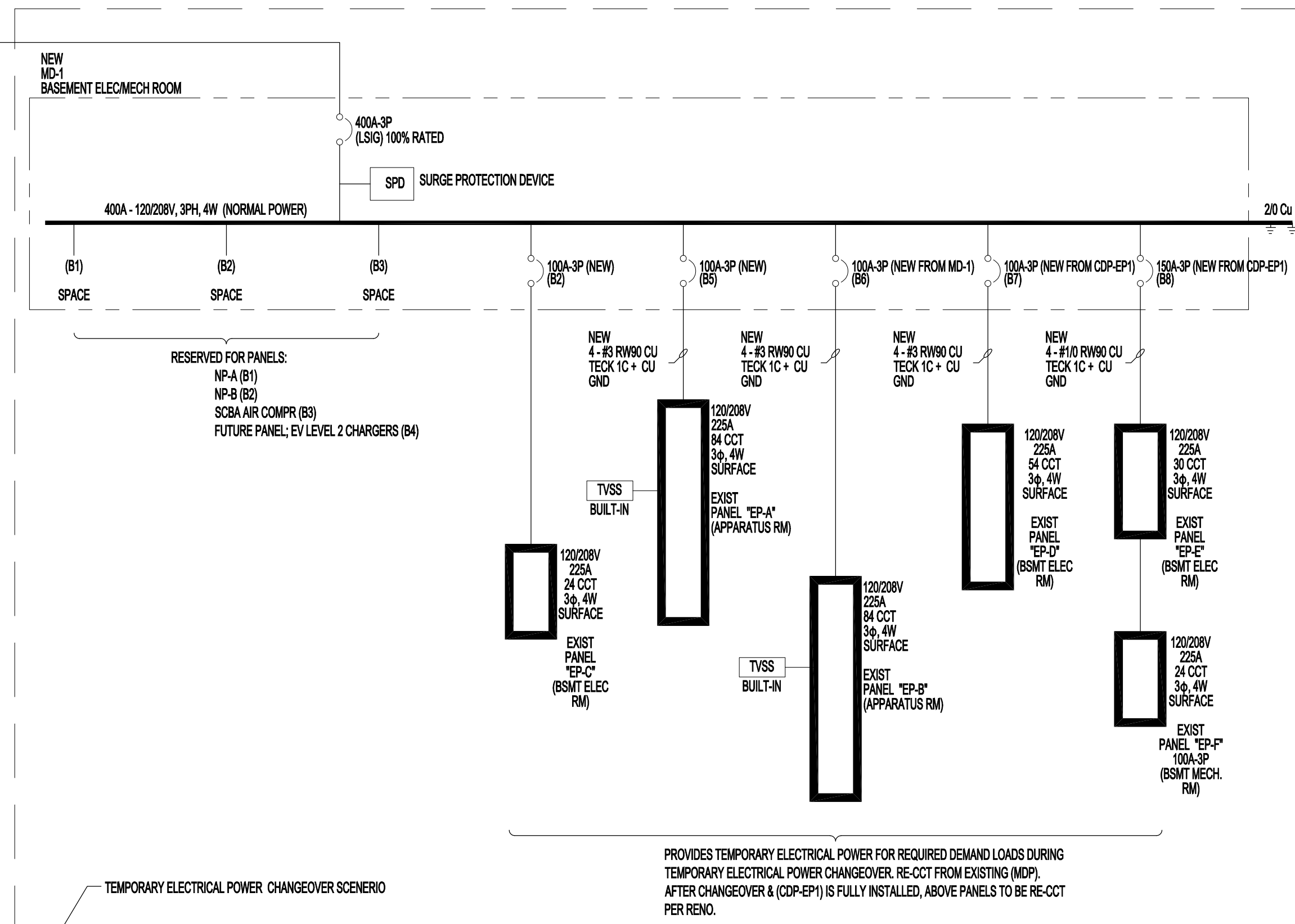
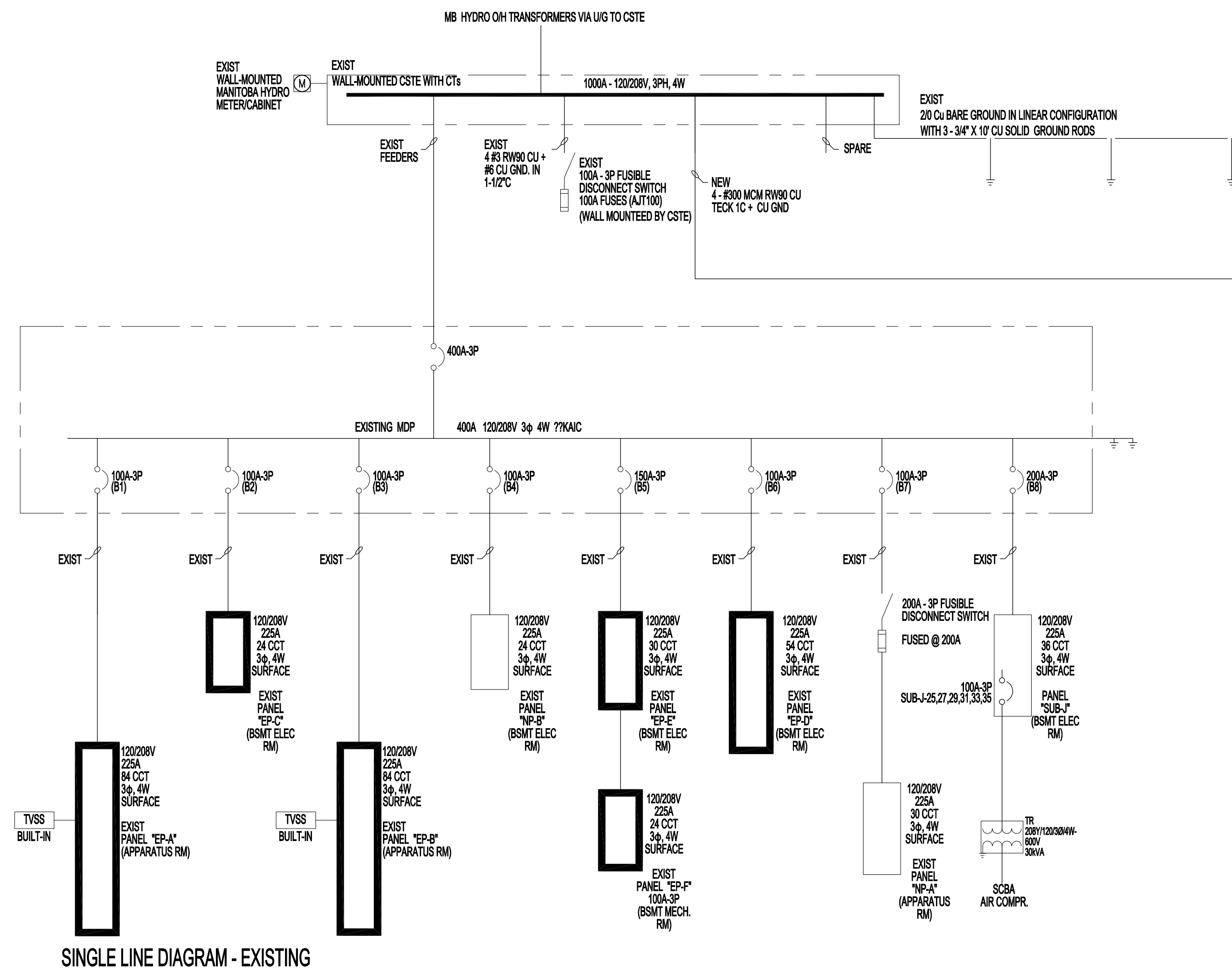


1. ALSO REFER TO DRAWING E1 & SPECIFICATIONS.



TEMPORARY ELECTRICAL POWER CHANGEOVER. SEQUENCE OF OPERATION:
FACILITY IS AN 24-HOUR/7-DAY FACILITY & REQUIRE ELECTRICAL POWER AT ALL TIMES, EXCEPT AS OUTLINED BELOW.
ELECTRICAL CHANGEOVER SCENARIO DURATION TBC BY CONTRACTOR, PREFERENCE OF 7 CALENDAR DAYS MAXIMUM WITH ELECTRICAL CHANGEOVER SCENARIO STARTING IN EARLY SPRING OR FALL. PRIOR TO START, ALL REQUIRED COMPONENTS TO BE ON-SITE, CSTE PREPARED, INSTALLED & PATHWAYS IN-PLACE. DAY OF MB HYDRO PERFORM CSTE LOAD SIDE CONNECTIONS FOR NEW (MD-1) & CSTE PREP FOR (COP-EM) CONDUTS.

1. INSTALL NEW (MD-1) ON NEW 8" HIGH CONCRETE HOUSE KEEPING PAD.
2. CONTRACTOR TO SETUP/COORDINATE WITH MB HYDRO FOR ELECTRICAL SERVICE DISCONNECTIONS & RECONNECTS. SERVICE INTERRUPTION 4-HOUR MAX (8AM TO 12PM, TBC).
3. RE-CECT (MD-1) NEMA, 22.4 (ARMATION UNITS) PER PANEL, E-P, A, 36.40, PER PANEL PANEL SCHEDULED DRAWING ES.
4. EXISTING (MDP) TO REMAIN CONNECTED TO CSTE DURING ELECTRICAL CHANGEOVER. TEMPORARY POWER TO FACILITY IS PROVIDED BY NEW (MD-1) CONNECTED TO CSTE & RE-FEEDER BRANCH PANELS (SEE ABOVE ELECTRICAL CHANGEOVER SCENARIO) & NEW (COP-EP).
5. REVIEW FEEDER PATHWAYS, SPACE ARRANGEMENTS & SITE VERIFY CSTE LOAD SIDE CONNECTIONS/PATHWAYS TO NEW (MD-1) & (COP-EP). EVALUATE AVAILABLE SPACE IN CSTE FOR NEW CONNECTIONS.
6. PROVIDE NEW (MD-1) TECK CABLES, SUPPORTS & PATHWAY(S) FROM CSTE INTO BUILDING (ABOVE GRADE) THROUGH CONCRETE BASEMENT WALL, SIMILAR TO EXISTING (MDP) WALL CORE HOLES SLOPING DOWNWARDS INTO BASEMENT. FINAL INTERIOR CSTE LOAD SIDE CONNECTION TO BE COMPLETED ON MB HYDRO DAY.
7. PROVIDE NEW (COP-EP) CABLES, SUPPORTS & PATHWAYS FROM CSTE INTO BUILDING, PER DRAWING ES. FINAL INTERIOR CSTE LOAD SIDE CONNECTION TO BE COMPLETED ON MB HYDRO DAY.
8. TO MINIMIZE ELECTRICAL SERVICE DISCONNECT DOWNTIME & CSTE LOAD SIDE CONNECTIONS (4-HOUR MAX, TBC), PREPARE/INSTALL ALL REQUIRED ADDITIONAL BRANCH CIRCUIT FEEDER LENGTHS & SPICE ASSEMBLIES FOR NEW (MD-1) RE-FEEDING BRANCH PANELS (SEE ABOVE ELECTRICAL CHANGEOVER SCENARIO) & NEW (COP-EP).
9. DAY OF MB HYDRO ELECTRICAL SERVICE DISCONNECTIONS & RECONNECTS.
10. DE-ENERGIZE NEW (MD-1) MAIN CIRCUIT BREAKER.
11. DE-ENERGIZE EXISTING (MDP) MAIN CIRCUIT BREAKER & CONNECT PREP FEEDERS TO NEW (MD-1).
12. AFTER MB HYDRO RECONNECTS SERVICE, ENERGIZE NEW (MD-1) MAIN BREAKER, PERFORM CONNECTION, GROUNDING, BONDING TESTS, 3-PHASE MOTOR ROTATION CHECK.
13. EXISTING (MDP) MAIN BREAKER CAN BE TURNED "OFF", DECOMMISSIONED, REPLACED WITH NEW (COP-EP), NEW PANELBOARDS, ATS & GENSET, AS PER ELECTRICAL, RENO SINGLE LINE DIAGRAM AND LAYOUTS.

0	NEW DRAWING. ISSUED FOR ADDENDUM 3	DTA	10.17 2025
No.	REVISION/DESCRIPTION	BY	DATE

SEAL



DATE	DESIGN	DRAWN	CHECKED	APPROVED
2025.10.09	BY: DTA	BY: DTA	BY:	BY:



THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
WINNIPEG FIRE PARAMEDIC SERVICES
FIRE STATION 1
ELECTRICAL DISTRIBUTION UPGRADE AND GENSET
65 ELLEN STREET TENDER No:802-2025

SHEET TITLE
TEMPORARY ELECTRICAL POWER CHANGEOVER

SINGLE LINE DIAGRAM

SCALE AS SHOWN	PROJECT No: 2024-070	SHEET No: E10
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