



- SEQUENCE OF IMPLEMENTATION - STAGE 6**
1. PROVIDE AND PULL FEEDERS FROM ESB-1 ASSOCIATED WITH T.S. #1, T.S. #2, AND T.S. #5, TO TD-1, T.S. #3, AND 1600A SPLITTER AS INDICATED.
 2. ARRANGE WITH DEPARTMENTAL REPRESENTATIVE 6 WEEKS IN ADVANCE FOR A MAXIMUM OF 8HR SHUTDOWN OF THE CRITICAL LOAD FOR T.S. #3.
 3. DISCONNECT EXISTING FEEDERS OF T.S. #3 FROM EXISTING PANEL TD-1.
 4. CONNECT FEEDERS FROM ESB-1 TO T.S. #3. POWER UP T.S. #3, TEST AND COMMISSION WITH NEW SYSTEM.
 5. ARRANGE WITH DEPARTMENTAL REPRESENTATIVE 6 WEEKS IN ADVANCE FOR A MAXIMUM OF 8HR SHUTDOWN OF PANEL TD-1.
 6. DISCONNECT FEEDERS OF TD-1 FROM EXISTING TURBINE #1. MODIFY EXISTING PANEL TD-1 TO ACT AS A SPLITTER TO CONNECT FEEDER FROM ESB-1 TO FEEDER OF EXISTING T.S. #1. PANEL TD-1 TO BE REUSED AND MODIFIED TO BE AN ENCLOSED SPLITTER ASSEMBLY.
 7. PROVIDE 60A-3P 35kAIC BREAKER IN EXISTING PANEL P-1, COMPLETE WITH CONDUIT AND WIRES TO LOCATION OF NEW PANEL P-1, TO BE CONNECTED TO PANEL P-1 IN STAGE 7.
 8. CONNECT FEEDERS FROM ESB-1 TO TD-1. POWER UP T.S. #1, TEST AND COMMISSION WITH NEW SYSTEM.
 9. ARRANGE WITH DEPARTMENTAL REPRESENTATIVE 6 WEEKS IN ADVANCE FOR A MAXIMUM OF 8HR SHUTDOWN OF THE CRITICAL LOAD ASSOCIATED WITH T.S. #5.
 10. DISCONNECT 1600A SPLITTER FROM EXISTING TURBINE #2. EXISTING T.S. #5 FEEDERS TO BE REUSED.
 11. PROVIDE A CSA APPROVED EXTENSION ENCLOSURE TO EXISTING 1600A SPLITTER. MODIFY 1600A SPLITTER TO ACCOMMODATE NEW FEEDERS AND CONNECT FEEDERS FROM ESB-1. POWER-UP T.S.#5, TEST AND COMMISSION WITH NEW SYSTEM.

- NOTES**
1. PROVIDE CABLE TRAY FOR TECK CABLE FEEDERS RUNNING INSIDE THE BUILDING TO TS #3
 2. PROVIDE FIRE-STOPPING AT ALL WALL PENETRATIONS.
 3. MODIFY EXISTING PANEL TD-1 TO ACCOMMODATE NEW FEEDERS. PANEL TD-1 TO BE REUSED AND MODIFIED TO BE AN ENCLOSED SPLITTER ASSEMBLY.
 4. PROVIDE CSA APPROVED EXTENSION BOX TO 1600A SPLITTER. MODIFY EXISTING 1600A SPLITTER FOR TS #5 TO ACCOMMODATE NEW FEEDERS. REFER TO DRAWING 2/29 FOR DETAIL.
 5. PROVIDE NEW BREAKER 60A-3P 35kAIC COMPLETE WITH CONDUIT AND WIRES IN PANEL P-1 TO ACCOMMODATE NEW PANEL P-1. PANEL P-1 TO BE CONNECTED TO P-1 ONCE PANEL P-2, RELOCATED FROM 875 HERON RD, IS INSTALLED AND CONNECTED IN STAGE 7.

1 POWER AND SYSTEMS - NEW LAYOUT - STAGE 6
 E6

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project: **GOVERNEMENT OF CANADA**
TURBINE REPLACEMENT

designed: A.M./M.E.M. concu
 date:
 drawn: M.E.M./I.M. dessiné
 date:
 revised: M.E.M. révisé
 date:
 approved: A.M. approuvé
 date:

Tender: **C. CAMPBELL** Soumission
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 drawing no.: **E6** of 15