

CONSTRUCTION NOTES

1. ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES AND MATERIAL INDICATED ON DEMOLITION PLANS, ARE TO BE REMOVED AND REPLACED WITH NEW, SUCH NEW ITEMS ARE TO BE EQUAL OR GREATER IN SPECIFICATIONS THAN THOSE ITEMS BEING REMOVED, UNLESS INDICATED OTHERWISE. ALL NEW RECEPTACLES ARE TO BE SPEC. GRADE, NEW LIGHTING IS TO BE SIMILAR OR EQUAL TO THOSE INDICATED IN LIGHTING FIXTURE SCHEDULE. NEW DEVICE COVER PLATES ARE TO BE BRUSHED STAINLESS STEEL TYPE. ALL PANEL BOARDS ARE TO BE REPLACED BY ONE MANUFACTURER, THEIR ELECTRICAL CHARACTERISTICS ARE TO BE EQUAL TO THOSE PANEL BOARDS BEING REMOVED, UNLESS INDICATED OTHERWISE. NEW 30 AND 100KVA TRANSFORMERS ARE TO HAVE RATINGS SIMILAR TO THOSE BEING REMOVED.
2. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VISIT SITE TO VERIFY EXISTING PANEL BOARDS AND REPLACE EACH WITH NEW PANEL BOARDS OF THE SAME ELECTRICAL CHARACTERISTICS ON NEW BREAKERS TO MATCH THE EXISTING BREAKERS THEY ARE REPLACING UNLESS INDICATED OTHERWISE.
3. ALL NEW CONTACTORS, RELAYS, AND DISCONNECTS EXCEPT FOR THOSE IN USE FOR MECHANICAL EQUIPMENT ARE TO BE RATED FOR THE LOADS THEY ARE TO CONTROL AND PROTECT.
4. NEW FIRE ALARM SYSTEM COMPONENTS FOR INITIATING, SIGNALING AND SUPERVISING CIRCUITS ARE TO BE ADDRESSABLE TYPE. THESE TO INCLUDE MANUAL PULL STATIONS, HEAT DETECTORS, SMOKE DETECTORS, COMBINATION STROBE HORNS, STROBES, SPRINKLER COMPONENTS SUCH AS WET ALARM VALVE, AIR COMPRESSOR POWER SUPPLY RELAY, AIR PRESSURE SWITCH, SPRINKLER VALVE SUPERHEAT, AND FLOW SWITCH. CONTRACTOR TO RECONNECT CABLES TO NEW PANEL FROM PUMPHOUSE AND ATB. MAIN ADDRESSABLE FIRE ALARM PANEL IS TO BE INSTALLED IN COMMERCIAL SERVICES BUILDING (CSB) MAIN ENTRANCE AND IS TO BE CONNECTED WITH THE EXISTING FIRE ALARM PANEL LOCATED IN THE AIRPORT TERMINAL BUILDING (ATB). FOR REMOTE MONITORING PURPOSES, REMOVE OLD INTERCONNECTING CABLE BETWEEN EXISTING CSB FIRE ALARM PANEL AND FA PANEL LOCATED IN ATB. RUN NEW CABLE IN EXISTING CONDUIT BETWEEN THE NEW CSB FA PANEL AND THE ATB FA PANEL. MAKE ALL FINAL CONNECTIONS. ELECTRICAL CONTRACTOR TO ENSURE THAT THE OWNER HAS A COMPLETE WORKING FIRE ALARM SYSTEM IN THE CSB AND SUCH PANEL IS MONITORED BY ATB FIRE ALARM PANEL.
5. ALL EXISTING WIRE/CONDUIT THAT IS FOUND TO BE IN GOOD CONDITION IS TO BE REUSED, ANY WIRING OR CONDUIT THAT EXISTS BUT IS DAMAGED IS TO BE REPLACED WITH NEW AT THE CONTRACTORS EXPENSE.
6. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY REMOVAL/RELOCATION OF ELECTRICAL SYSTEMS WHICH INTERFERE WITH COMPLETING THE REPAIR WORK INDICATED ON THE DRAWINGS. ELECTRICAL SYSTEMS TO BE REINSTATED ONCE REPAIR WORK IS COMPLETE. ALL WORK MUST BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES, BY LICENSED TRADES PEOPLE.
7. COMPLETE ALL WORK IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (LATEST EDITION) AND THE CANADIAN ELECTRICAL CODE (LATEST EDITION).
8. ALL BUILDING ELECTRICAL AND COMMUNICATION SYSTEMS ARE TO REMAIN OPERATIONAL DURING DEMOLITION AND CONSTRUCTION.
9. ALL ITEMS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ARCHITECTURAL AND CIVIL DURING DEMOLITION AND CONSTRUCTION.
10. EXECUTE WORK BY METHODS TO AVOID DAMAGE TO OTHER EXISTING COMPONENTS AND FINISHES WHERE POSSIBLE.
11. ELECTRICAL CONTRACTOR TO PROVIDE NEW IDENTIFICATION LABELS ON ALL NEW ELECTRICAL EQUIPMENT INDICATING THE EQUIPMENT'S NAME AND EQUIPMENT'S PURPOSE, PLUS PROVIDE NEW TYPE WRITTEN PANEL DIRECTORIES INDICATING ALL BRANCH CIRCUIT BREAKER LOAD DESCRIPTIONS.
12. ELECTRICAL CONTRACTOR TO ENSURE PANEL FEEDER LUG LOCATIONS ARE POSITIONED IN NEW PANELS TO ACCOMMODATE EXISTING FEEDER LENGTHS. NEW PANEL POSITIONS MAY BE SLIGHTLY ALTERED TO MAKE UP FOR ANY SHORT FEEDER LENGTHS, WHERE EXISTING FEEDER LENGTHS ARE NOT ADEQUATE TO CONNECT TO NEW PANEL LUGS CONTRACTOR IS TO PROVIDE JUNCTION BOX ABOVE OR BELOW PANEL AND EXTRA WIRE AND CONDUIT TO ACCOMMODATE EXTENDING THE EXISTING FEEDER TO THE NEW PANEL LUGS. INCLUDE COST OF SUPPLYING AND INSTALLING EXTRA JUNCTION BOXES AND FEEDER EXTENSIONS IN TENDER PRICE.
13. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED BY LAW, ORDINANCES, RULES AND REGULATIONS OF PUBLIC AUTHORITIES HAVING JURISDICTION, AND SHALL OBTAIN CERTIFICATES ON SUCH INSPECTIONS AND SUBMIT SAME AND PAY ALL CHARGES IN CONNECTION THEREWITH.
14. THE ELECTRICAL CONTRACTOR IS TO COORDINATE WITH MECHANICAL AND ARCHITECTURAL DRAWINGS TO ASCERTAIN WHAT EXTERIOR EQUIPMENT AND DEVICES ARE TO BE TEMPORARILY REMOVED TO ACCOMMODATE THE REMOVAL OF EXTERIOR BRIMS AND ROOF COVERING. INCLUDE IN TENDER THE COST FOR DISCONNECTING ELECTRICAL POWER FROM SUCH EQUIPMENT AND DEVICES AND THE FUTURE RECONNECTION ONCE ARCHITECTURAL AND MECHANICAL WORK IS COMPLETED.
15. THE ELECTRICAL CONTRACTOR IS TO EXTEND EXISTING BRANCH WIRING WHERE EXISTING WIRING LENGTHS TO NEW BRANCH BREAKERS ARE NOT OF SUFFICIENT LENGTH TO CONNECT. NO SPLICES WILL BE ALLOWED IN PANEL TUBS.
16. NEW LIGHT FIXTURES IN THIS AREA TO BE LOWERED USING NEW CHAIN TO 3.6 METERS ABOVE FINISHED FLOOR, WHERE EXISTING DUCTWORK, PIPING OR CONDUIT IS INTERFERING WITH NEW FIXTURE HEIGHT CONTRACTOR IS TO POSITION NEW LIGHTS TO BEST LIGHT THE ROOM.
17. FOR OPERATION REQUIREMENTS, REFER TO SPECIFICATIONS SECTION 91 35 13.1 - SPECIAL PROCEDURES FOR AIRPORT FACILITIES.
18. ALL EXTERIOR BUILDING LIGHTING IS TO BE CONNECTED TO ENERGY MANAGEMENT SYSTEM VIA LIGHTING CONTACTOR LOCATED IN MAIN ELECTRICAL ROOM.
19. LIGHT FIXTURE TO BE MOUNTED 150mm ABOVE EXTERIOR DOORWAY.

