



LEVEL TWO NEW ELECTRICAL LAYOUT



1  
E7

CONSTRUCTION NOTES

- 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 TO THOSE INDICATED IN LIGHTING FIXTURE SCHEDULE. NEW DEVICE COVER PLATES ARE TO BE BRUSHED STAINLESS STEEL TYPE. ALL PANEL BOARDS ARE TO BE SUPPLIED 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 BE TYPE K WITH RATINGS SIMILAR TO THOSE BEING REMOVED.
- 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 C/W NEW BREAKERS TO MATCH THE EXISTING BREAKERS THEY ARE REPLACING, OR AS OTHERWISE NOTED.
- ALL NEW CONTACTORS, RELAYS, AND STARTERS ARE TO BE RATED FOR THE LOADS THEY ARE TO CONTROL AND PROTECT.
- NEW FIRE ALARM SYSTEM COMPONENTS FOR INITIATING, SIGNALING AND SUPERVISING CIRCUITS ARE TO BE ADDRESSABLE TYPE. MAIN ADDRESSABLE FIRE ALARM PANEL IS TO BE INSTALLED IN CSB MAIN ENTRANCE AND IS TO BE CONNECTED TO THE EXISTING FIRE ALARM PANEL LOCATED IN THE AIRPORT TERMINAL BUILDING FOR REMOTE MONITORING PURPOSES. SUPPLY AND INSTALL ANY AND ALL NECESSARY HARDWARE/SOFTWARE IN ATB FIRE ALARM PANEL BOARD TO PROVIDE SUCH MONITORING.
- 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.
- 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.
- COMPLETE ALL WORK IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (LATEST EDITION) AND THE CANADIAN ELECTRICAL CODE (LATEST EDITION).
- ALL BUILDING ELECTRICAL AND COMMUNICATION SYSTEMS TO REMAIN OPERATIONAL DURING DEMOLITION AND CONSTRUCTION.
- ALL ITEMS TO BE COORDINATED WITH STRUCTURAL, MECHANICAL, ARCHITECTURAL AND CIVIL DURING DEMOLITION AND CONSTRUCTION.
- EXECUTE WORK BY METHODS TO AVOID DAMAGE TO OTHER EXISTING COMPONENTS AND FINISHES WHERE POSSIBLE.
- ELECTRICAL CONTRACTOR TO PROVIDE NEW IDENTIFICATION LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING THE EQUIPMENTS NAME AND EQUIPMENTS PURPOSE. PLUS PROVIDE NEW TYPE WRITTEN PANEL DIRECTORIES INDICATING ALL BRANCH CIRCUIT BREAKERS LOAD DESCRIPTION.
- ELECTRICAL CONTRACTOR TO ENSURE PANEL FEEDER LUG LOCATIONS ARE POSITIONED IN NEW PANELS TO ACCOMMODATE EXISTING FEEDER LENGTHS. 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.
- ALL EXISTING MECHANICAL EQUIPMENT AND THEIR CONTROLS TO REMAIN. DISCONNECT SUCH EQUIPMENT FROM EXISTING BRANCH CIRCUIT BREAKER PANEL BOARD, RECONNECT TO NEW BRANCH CIRCUIT BREAKER IN NEW PANEL BOARD. BREAKER SIZE TO MATCH PREVIOUS BREAKER RATING.
- 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.
- 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 SIDING 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.
- 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.
- FOR OPERATION REQUIREMENTS, REFER TO SPECIFICATIONS SECTION 01 35 13.13 - SPECIAL PROCEDURES FOR AIRPORT FACILITIES.
- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL ALL WIRING, CONDUIT AND ASSOCIATED EQUIPMENT FOR THE CONTROL OF ALL MECHANICAL HYDRONIC HEATING FIXTURES. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.



revisions	date
C03	ISSUED FOR TENDER 08/30 2019
C02	RE-ISSUED FOR TENDER 02/14 2019
C01	ISSUED FOR TENDER 09/28 2018

MAINTENANCE GARAGE REHABILITATION ST. ANTHONY AIRPORT

NEW POWER, DATA AND POWER FOR MECHANICAL LEVEL 2

designed	G.N.S.	conçu
date	2017.07.17	
drawn	G.N.S.	dessiné
date	2017.07.17	
approved	K.S.	approuvé
date	2017.07.17	
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	R.077269.001	no. du projet
drawing no.	E7	no. du dessin