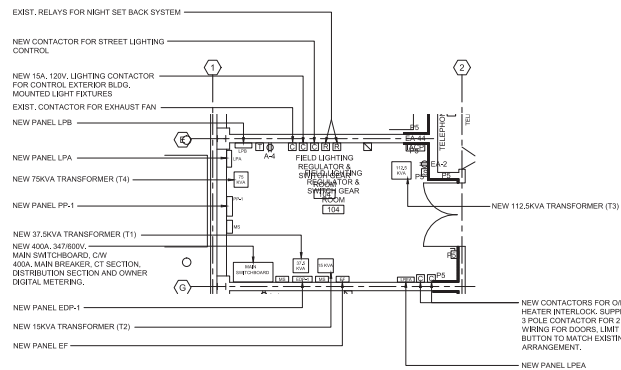


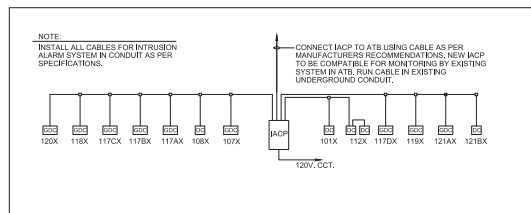
4. ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES AND MATERIAL INDICATED ON DEMOLITION PLANS, ARE TO BE REMOVED AND REPLACED WITH NEW, SUCH NEW ITEMS ARE TO BE EQUAL OR GREATER IN SPECIFICATIONS THAN THOSE ITEMS BEING REMOVED. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE SPEC. GRANTING NEW LISTING IS TO BE SIMILAR TO THOSE ITEMS BEING REMOVED IN LIGHTING FIXTURE SCHEDULE, NEW DEVICE AND/OR PLATES ARE TO BE BRUSHED STAINLESS STEEL TYPE, ALL PANEL AND EQUIPMENT SHALL BE PROTECTED FROM CORROSION BY THE APPLICATION OF AN ANTI CORROSION COATING TO ALL EXPOSED SURFACES, UNLESS INDICATED OTHERWISE, NEW 30 AND 10KVA TRANSFORMERS ARE TO BE TYPE K WITH RATINGS SIMILAR TO THE EXISTING ONE(S).
5. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VISIT SITE TO VERIFY EXISTING PANELS, BOARDS AND REPLACE THEM WITH NEW PANEL, BOARDS OF THE SAME ELECTRICAL CHARACTERISTICS GO NEW BREAKERS TO MATCH THE EXISTING BREAKERS THEY ARE REPLACING OR AS OTHERWISE NOTED.
6. ALL NEW CONTACTORS, RELAYS, AND STARTERS ARE TO BE RATED FOR THE LOADS THEY ARE TO CONTROL AND PROTECT.
7. NEW FIRE ALARM SYSTEM COMPONENTS FOR INITIATING, SIGNALING AND SUPERVISING CIRCUITS ARE TO BE ADDRESSABLE TYPE, NEW FREE ALARM ALARM PANEL IS TO BE INSTALLED IN SAME EXISTENT AREA AND IS TO BE CONNECTED TO THE EXISTING MAIN CONTROL PANEL LOCATED IN THE CONTROL TOWER, THE BUILDING FOR REMOTE MONITORING PURPOSES, SURE AND INITIAL IT AND ALL NECESSARY HARDWARE/SOFTWARE IN FIRE ALARM ALARM BOARD TO PROVIDE SUCH MONITORING.
8. ALL EXISTING WIRING/CONDUIT THAT IS FOUND TO BE IN GOOD CONDITION IS TO BE REUSED, ANY WIRING OR CONDUIT THAT EXISTS BUT IS NOT TO BE REUSED IS TO BE REMOVED.
9. 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 PERSONNEL.
10. COMPLETE ALL WORK IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (LATEST EDITION) AND THE CANADIAN ELECTRICAL CODE (LATEST EDITION).
11. 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.
11. ELECTRICAL CONTRACTOR TO PROVIDE NEW IDENTIFICATION LABELS/COLORED LABELS ON ALL ELECTRICAL EQUIPMENT INDICATING THE LOCATION OF THE EQUIPMENT PURPOSE, PLUS PROVIDE NEW TYPE WRITTEN PANEL DIRECTORIES INDICATING THE BRANCH CIRCUIT BREAKERS LOAD DESCRIPTION.
12. ELECTRICAL CONTRACTOR TO ENSURE PANEL FEEDER LUG LOCATIONS ARE POSITIONED IN NEW PANELS TO ACCOMMODATE EXISTING PANEL FEEDERS. IF THE EXISTING FEEDER LENGTHS ARE NOT SUFFICIENT TO REACH THE NEW PANELS, THE CONTRACTOR SHALL PROVIDE EXISTING FEEDER LENGTHS ARE NOT ADEQUATE TO CONNECT TO NEW PANEL LUGS CONTRACTOR IS TO PROVIDE JUNCTION BOX AND NEW PANEL FEEDER LUGS AND CONDUIT TO ACCOMMODATE EXTENDING THE EXISTING FEEDER TO THE NEW PANEL LUGS. INCLUDE COST OF SUPPLYING AND INSTALLING EXTRA JUNCTION BOXES AND FEEDER EXTENSION IN TENDER PRICE.
13. ELECTRICAL CONTRACTOR TO REPLACE EXISTING BULBING SERVICE GROUND WIRE. INSTALL 3 - 3 METER LONG NEW COPPER CLAD ALUMINUM BULBING SERVICE GROUND WIRE. PROVIDE 100% OF THE BULBING SERVICE GROUND WIRE AS PART EQUIPMENT FROM EACH OTHER. SIZE GROUND WIRE AS PER LATEST EDITION OF THE CANADIAN ELECTRICAL CODE.

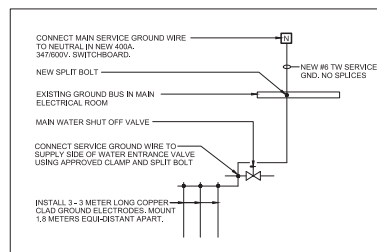
PANEL BOARD	BREAKERS
EA---400A, MAINS, 120/208V, 3PH, 4W, IC RATING-10,000 RMS	32-15A, 1P, 2-15A, 3P, 1-20A, 3P, 2-100A, 3P, 2-50A, 3P,
EE---125A, MAINS, 120/208V, 3PH, 4W, IC RATING-10,000 RMS	15-15A, 1P, 2-15A, 3P, 4-20A, 1P, 2-30A, 3P, 1-40A, 2P, 1-30A, 1P, 1-30A, 2P,
LPB---100A, MAINS, 120/208V, 3PH, 4W, IC RATING-10,000 RMS	28-15A, 1P, 1-50A, 2P,
UBA---200A, MAINS, 120/208V, 3PH, 4W, IC RATING-10,000 RMS	33-15A, 1P, 1-15A, 2P, 1-20A, 2P, 1-100A, 2P, 1-100A, 3P, 1-50A, 3P,
UCD---100A, MAINS, 120/208V, 1PH, 3W, IC RATING-10,000 RMS	1-40A, 3P, 2-20A, 2P, 2-40A, 2P, 2-50A, 3P, 100A, MAIN BREAKER
EDP1---200A, MAINS, 347/600V, 3PH, 4W, IC RATING-10,000 RMS	1-60A, 3P, 2-70A, 2P, 2-70A, 3P, 1-100A, 3P, 1-125A, 3P, 1-150A, 3P,
PP1P1---200A, MAINS, 347/600V, 3PH, 4W, IC RATING-10,000RMS	6-15A, 3P, 3-15A, 2P, 2-20A, 3P, 2-30A, 3P, 1-60A, 3P,
NDB---100A, MAINS, 120/208V, 1PH, 3W, IC RATING-10,000RMS	9-15A, 1P, 2-15A, 3P, 4-20A, 1P, 1-30A, 1P, 2-30A, 2P, 1-30A, 3P, 1-40A, 2P, 30A, MAIN BREAKER
MAIN SERVICE BOARD---400A, MAINS, 347/600V, 3PH, 4W, IC RATING-10,000RMS, BOARD C/W 400A, MAINS, 575V, CT CABINET AND DISTRIBUTION BREAKER SECTION	2-100A, 3P, 1-200A, 3P, AND SPACE FOR 3-100A, 3P, MAIN BREAKERS,
ELECTRICAL CONTRACTOR IS TO VISIT SITE TO CONFIRM EXISTING PANEL BOARDS INFORMATION AND BREAKER SIZES AND QUANTITY PRIOR TO TENDER BID.	



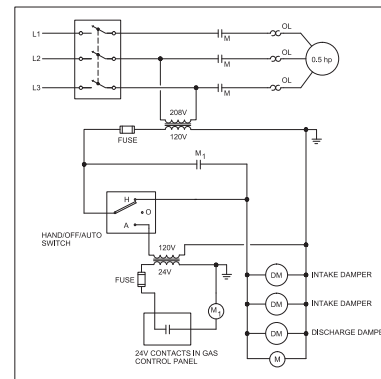
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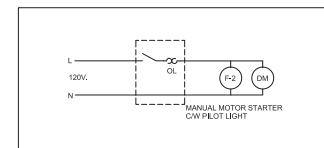
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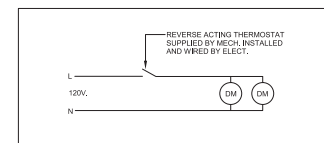
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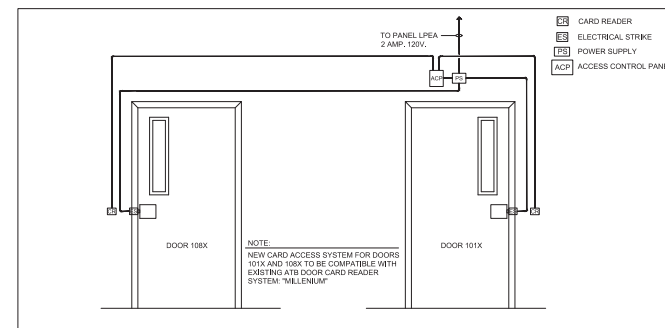
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designed	G N S	comp.
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designed	G.N.S.	comp
data	2017.07.17	
drawn	G.N.S.	designed
data	2017.07.17	
approved	K.S	approved
data	2017.07.17	

PWGSC Project Manager Administrateur de projets TPSO

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drawing no. 52

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