

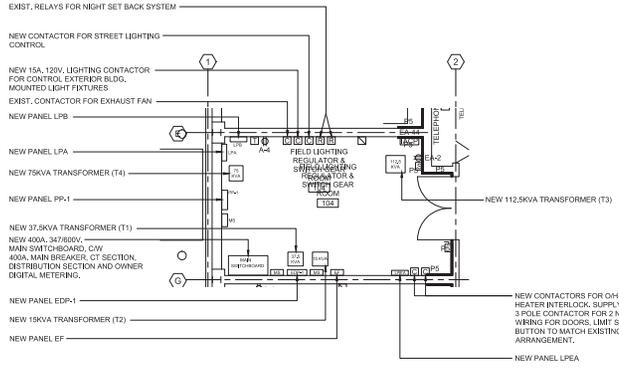
**CONSTRUCTION NOTES**

- 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 SUPPLIED BY ONE MANUFACTURER, THEIR ELECTRICAL CHARACTERISTICS ARE TO BE EQUAL. 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 CBS 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.
- ELECTRICAL CONTRACTOR TO REPLACE EXISTING BUILDING SERVICE GROUND WIRE, INSTALL 3-3 METER LONG NEW COPPER CLAD GROUNDING ELECTRODES IN VICINITY OF EXISTING GROUND ELECTRODES, SPACE ELECTRODES 1 METER APART EQUIDISTANT FROM EACH OTHER. SIZE GROUND WIRE AS PER LATEST EDITION OF THE CANADIAN ELECTRICAL CODE.

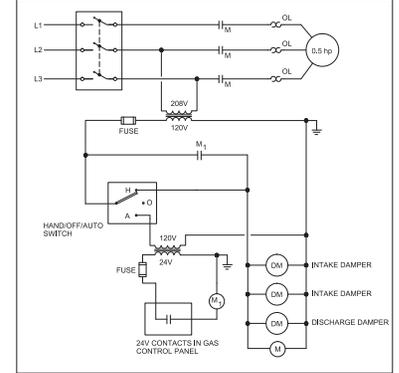
**EXISTING PANEL BOARD DESCRIPTION**

PANEL BOARD	BREAKERS
EA-----400A, MAINS, 120/208V, 3PH, 4W, IC RATING-10,000 RMS	32-15A, 1P, 2-15A, 3P, 1-20A, 1P, 2-100A, 3P, 2-50A, 3P,
EB-----125A, MAINS, 120/208V, 3PH, 4W, IC RATING-10,000 RMS	6-15A, 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, 1-10A, 2P,
LPA-----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,
FC-----100A, MAINS, 120/208V, 1PH, 3W, IC RATING-10,000 RMS	4-15A, 2P, 2-20A, 2P, 2-40A, 2P, 2-50A, 2P, 100A, MAIN BREAKER,
EDP1-----200A, MAINS, 347/600V, 3PH, 4W, IC RATING-10,000 RMS	1-50A, 3P, 2-70A, 3P, 2-70A, 3P, 3-100A, 3P, 1-125A, 3P, 1-150A, 3P,
PPH-----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, 100A, 3P, MAIN BREAKER,
MAIN SERVICE BOARD-----400A, MAINS, 347/600V, 3PH, 4W, IC RATING-10,000RMS, BOARD C/W 400A, MAIN FUSES, CT CABINET AND DISTRIBUTION BREAKER SECTION	2-100A, 3P, 1-200A, 3P, AND SPACE FOR 3-100A, 3P FUTURE BREAKERS,

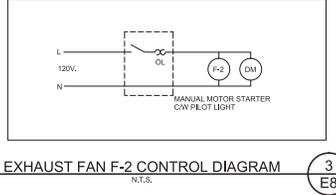
ELECTRICAL CONTRACTOR IS TO VISIT SITE TO CONFIRM EXISTING PANEL BOARDS INFORMATION AND BREAKER SIZES AND QUANTITY PRIOR TO TENDER BID.



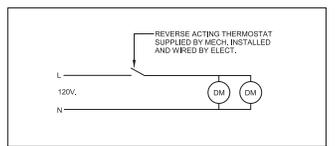
**FIELD LIGHTING REGULATOR & SWITCHGEAR ROOM** (1) E8



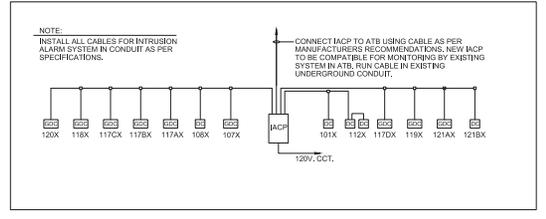
**SCHEMATIC DIAGRAM - EXHAUST FAN F-3** (2) E8



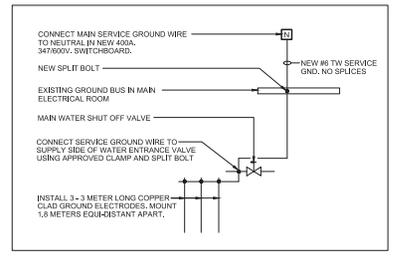
**EXHAUST FAN F-2 CONTROL DIAGRAM** (3) E8



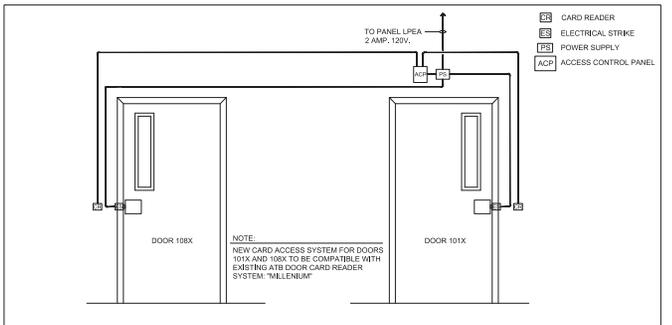
**BOILER ROOM DAMPER CONTROLS DIAGRAM** (4) E8



**NEW INTRUSION ALARM SYSTEM** (7) E8



**NEW SERVICE SWITCHBOARD GROUNDING DETAIL** (5) E8



**CARD ACCESS: DOOR 101X** (6) E8



PROJECT NO. 077269.001  
DATE: 2017.07.17

CO3	ISSUED FOR TENDER	05/30/2019
CO2	RE-ISSUED FOR TENDER	02/14/2019
CO1	ISSUED FOR TENDER	09/28/2018

**MAINTENANCE GARAGE REHABILITATION ST. ANTHONY AIRPORT**

**ELECTRICAL DETAILS**

designed	G.N.S.	comp
date	2017.07.17	
drawn	G.N.S.	desain
date	2017.07.17	
approved	V.S.	approve
date	2017.07.17	
Tender	Scoutstation	
FWDC: Project Manager	Administrateur de projets TPSC	
project number	no. du projet	
<b>R.077269.001</b>		
drawing no.	no. du dessin	
<b>E8</b>		

