

**LEGEND**

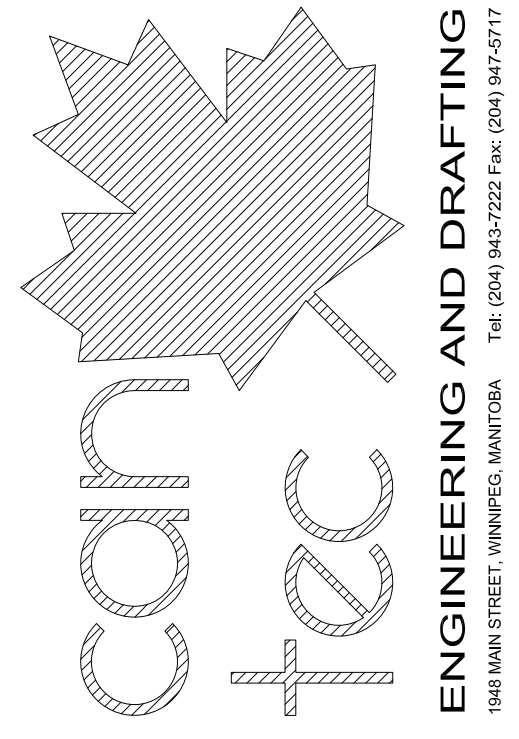
- NEW LIGHT
- NEW LIGHT
- NEW SMOKE DETECTOR AND CAGE
- NEW VENTILATION GRILL

**DRAWING NOTES: #**

1. NEW CELL LIGHT
2. NEW SECURITY CAMERA
3. NEW FIRE ALARM AND CAGE
4. EXISTING VENTILATION DUCT WITH NEW GRILL SEE MECHANICAL FOR DETAILS
5. NEW VENTILATION DUCT WITH GRILL SEE MECHANICAL FOR DETAILS
6. NEW LIGHT
7. NEW ACOUSTIC PANELS ON CEILING

1 PARTIAL MAIN FLOOR PLAN  
SCALE: 1/8" = 1'-0"

THIS DRAWING MUST NOT BE SCALED.  
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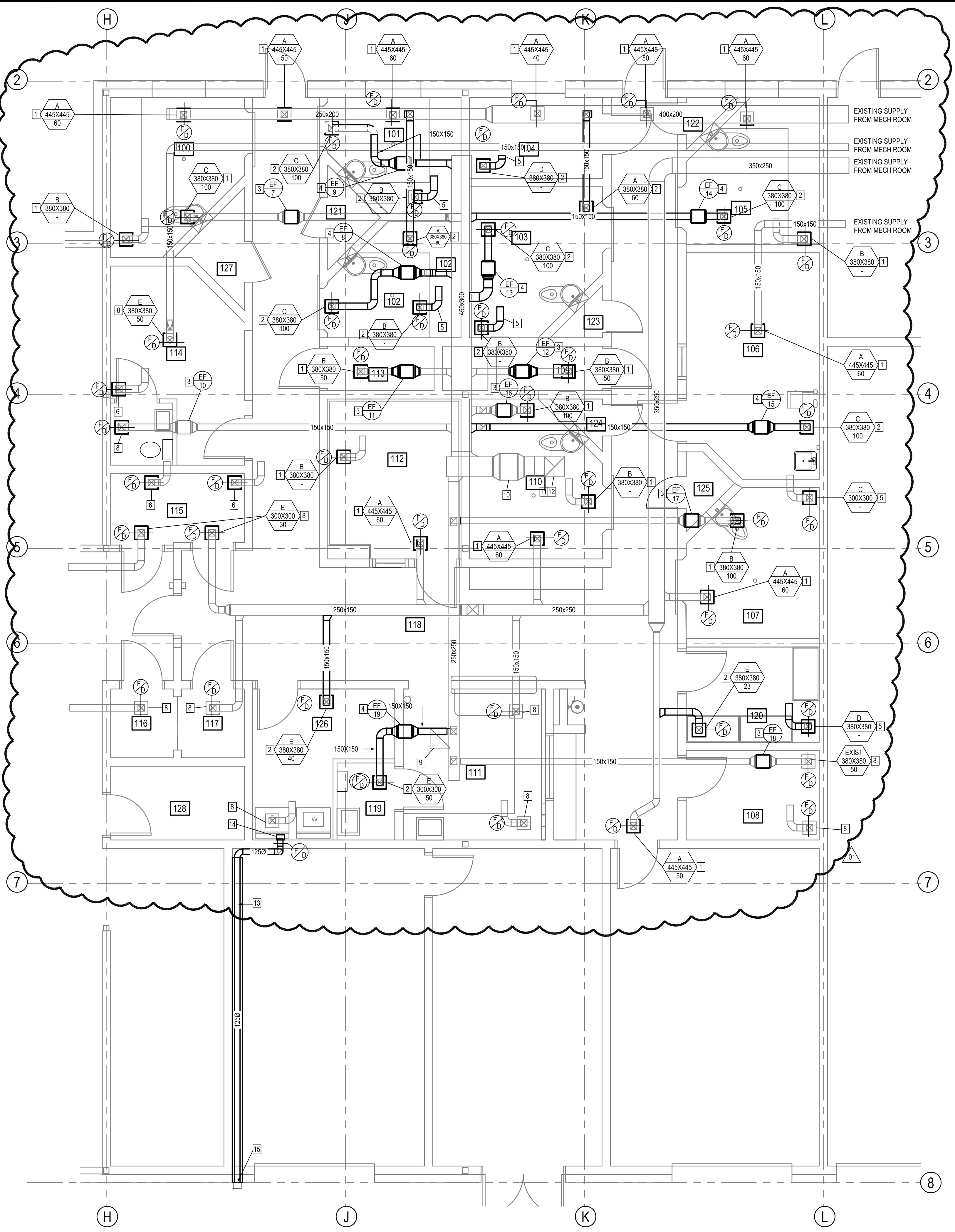


REV.#	DATE (YY-MM-DD)	BY	REASON
01	14-02-16	RS	ISSUED FOR ADDENDUM NO. 1
02	14-03-20	RS	ISSUED FOR TENDER
03	14-03-20	RS	ISSUED FOR 50% REVIEW
04			

SEALED BY:

PROJECT TITLE: FACILITY BUILDING - INTERIOR RENOVATION  
SHEET TITLE: MAIN FLOOR PLAN - REFLECTED CEILING PLAN  
DATE (YY-MM-DD): 14-02-16  
SCALE: AS NOTED  
LOCATION: THE PAS, MANITOBA  
DRAWN BY: RS  
CHECKED BY: NC

TENDER  
**A6.0**  
REVISION #: 01  
JOB NO. 14-001-01-30



- DRAWING NOTES:**
- INSTALL NEW DIFFUSER IN PLACE OF EXISTING. SIZE TO MATCH EXISTING SITE VERIFY ALL SIZES
  - INSTALL NEW DIFFUSER AND CONNECT TO NEW DUCTWORK CUT NEW HOLE IN CONCRETE CEILING
  - REMOVE EXISTING EXHAUST FAN AND REPLACE WITH NEW ADJUST DUCT WORK TO SUIT
  - NEW EXHAUST FAN AND DUCT WORK
  - NEW RETURN AIR DUCT INTO CEILING PLENUM 150 X 150 DUCT TO BE LINED WITH 25MM ACOUSTIC INSULATION
  - EXISTING RETURN AIR DUCT
  - NOT USED
  - EXISTING DIFFUSER AND DUCTWORK TO REMAIN
  - REMOVE EXISTING EXHAUST GRILL AND FILL IN HOLE IN CONCRETE CEILING
  - EXISTING RE-HEAT COIL TO REMAIN
  - EXISTING EXHAUST DUCT FOR ROOF EXHAUST FAN
  - EXHAUST FAN ON ROOF TO BE REMOVED AND REPLACED (EF-20) ADJUST DUCTWORK TO SUIT
  - NEW DRYER EXHAUST DUCT RUN AS HIGH AS POSSIBLE IN GARAGE ROOF. INSULATE ENTIRE DUCT WITH 50 FOIL FACE INSULATION
  - NEW LINT TRAP FOR DRYER
  - NEW 18 GA GALVANIZED DRYER

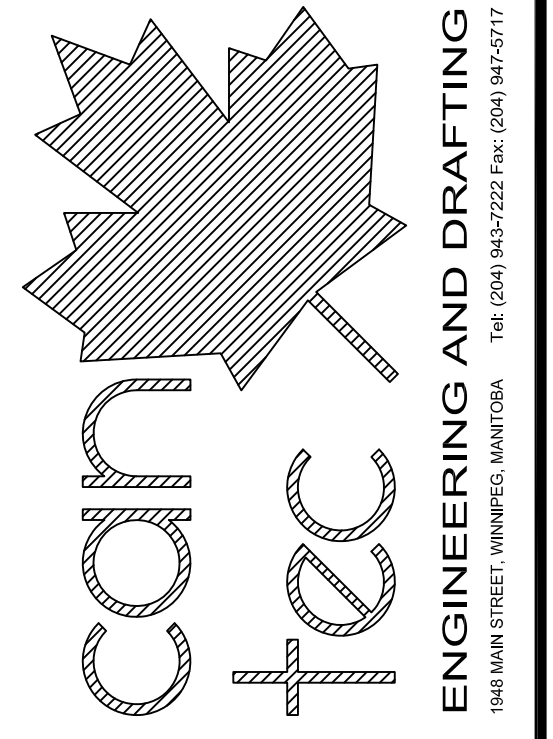
- GENERAL NOTES:**
- THE DUCTWORK SHOWN IN APPROXIMATE ONLY ALL INFORMATION SHOWN MUST BE VERIFIED ON SITE.
  - ANY HOLES LEFT BY THE REMOVAL OF EXISTING SUPPLY, RETURN OR EXHAUST DIFFUSERS MUST BE IN-FILLED WITH CONCRETE AND SEALED.
  - ROOF SLAB TO BE X-RAYED PRIOR TO CUTTING NEW HOLES. ADJUST DUCTWORK AS REQUIRED TO MISS EXISTING ELECTRICAL CONDUITS.

HEATING AND COOLING LEGEND	
⊖	THERMOSTAT
⊙	ROOM SENSOR
TAG NO.	EQUIPMENT TAG (SEE SCHEDULE)
VENTILATION LEGEND	
AD	ACCESS DOOR
TS	TRANSFER SLEEVE
VB	VOLUME BALANCING DAMPER
FD	FIRE DAMPER
FL	FIRE FLAP
BD	BACKDRAFT DAMPER
TYPE SIZE L/S	DIFFUSER AND GRILLE TAG (SEE SCHEDULE)
—	NEW DUCTWORK
- - -	EXISTING DUCTWORK
⊖	NEW DIFFUSER
⊙	EXISTING DIFFUSER

GRILLE/DIFFUSER SCHEDULE			
SYMBOL	MANUFACTURER	MODEL	REMARKS
A	VIRTUCOM INC	VIRTUCOM SCO Security	SUPPLY GRILLE. INSTALL AS PER MANUF. INSTRUCTION
B	VIRTUCOM INC	VIRTUCOM SCO Security	RETURN GRILLE. INSTALL AS PER MANUF. INSTRUCTION
C	VIRTUCOM INC	VIRTUCOM SCO Security	RETURN GRILLE. INSTALL AS PER MANUF. INSTRUCTION
D	EH PRICE	LOUVERED SUPPLY GRILLE 520D/FL/A/B12	
E	EH PRICE	LOUVERED RETURN GRILLE 530D/FL/A/B12	

Room No.	New EF-#	Type of fan L/S	Switch or continuous
100	7	103.7	S
101	9	103.7	S
102	8	103.7	S
103	13	103.7	S
105	14	103.7	S
106	15	103.7	C
107	17	103.7	S
108	18	51.8	C
109	12	51.8	S
110	16	103.7	S
113	11	51.8	S
114	10	51.8	C
119	19	51.8	C
	20	943.4	C

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 REVISION: 01  
 DATE: 14/02/16  
 DRAWN BY: RS  
 CHECKED BY: NC  
 ISSUED FOR TENDER: 14/02/16  
 ISSUED FOR 50% REVIEW: 14/02/16  
 REVISION: 01

SEALED BY:

PROJECT TITLE: FACILITY BUILDING - INTERIOR RENOVATION  
 SHEET TITLE: MAIN FLOOR PLAN - HVAC  
 DATE: 14/02/16  
 SCALE: AS NOTED  
 LOCATION: THE PAS, MANITOBA  
 DRAWN BY: RS  
 CHECKED BY: NC

TENDER  
**M2.0**  
 REVISION #: 01  
 JOB NO. 14-001-01-30

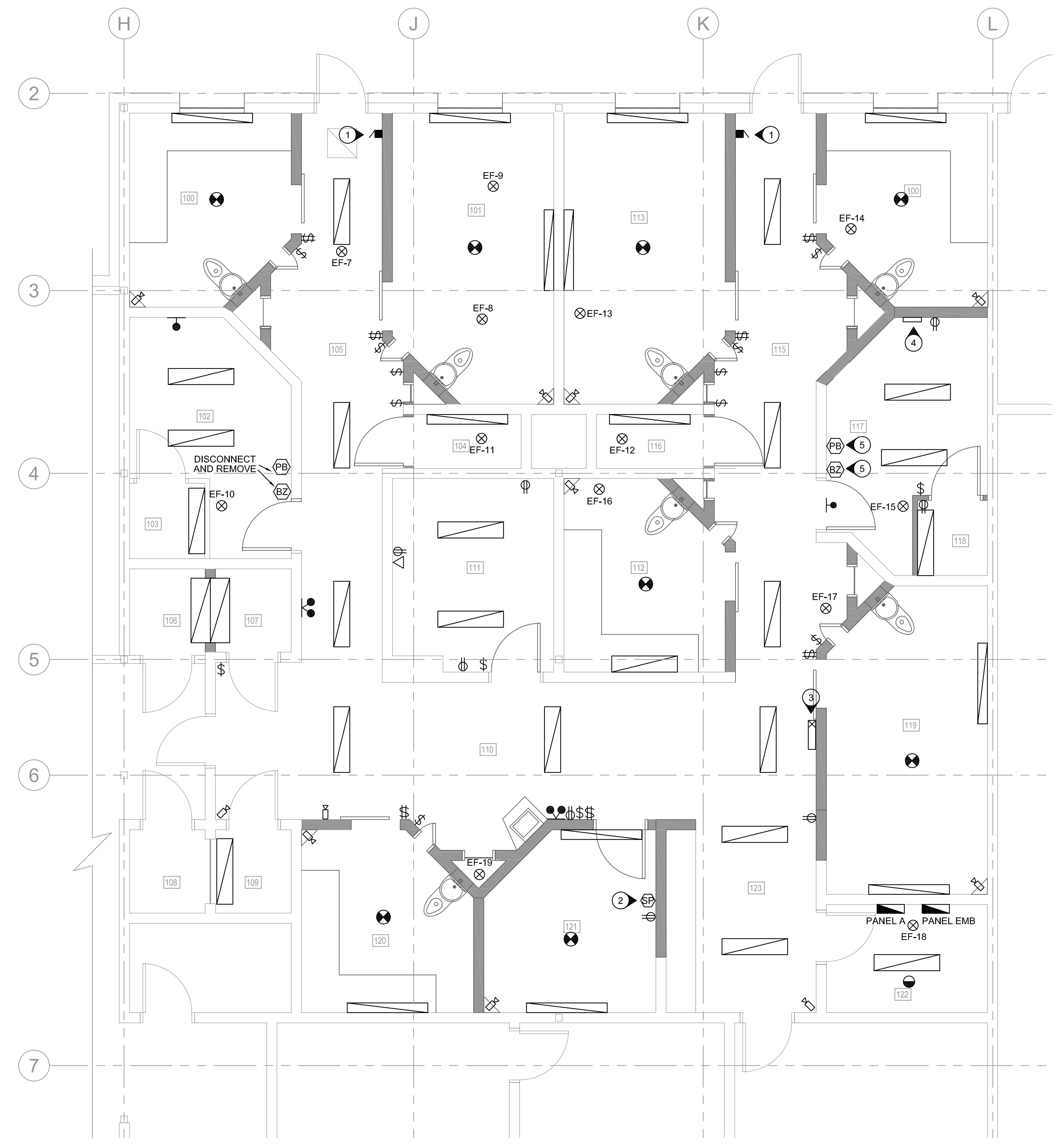
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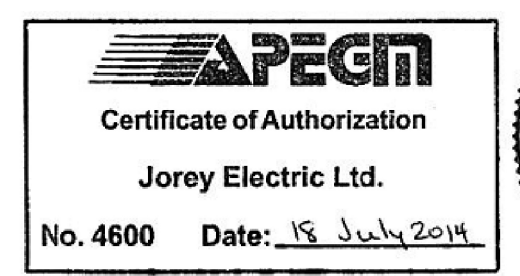
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DATE/TIME/ISSUED FOR TRACKER  
 14.07.14 14:06:25  
 REV. # 01  
 REVISION



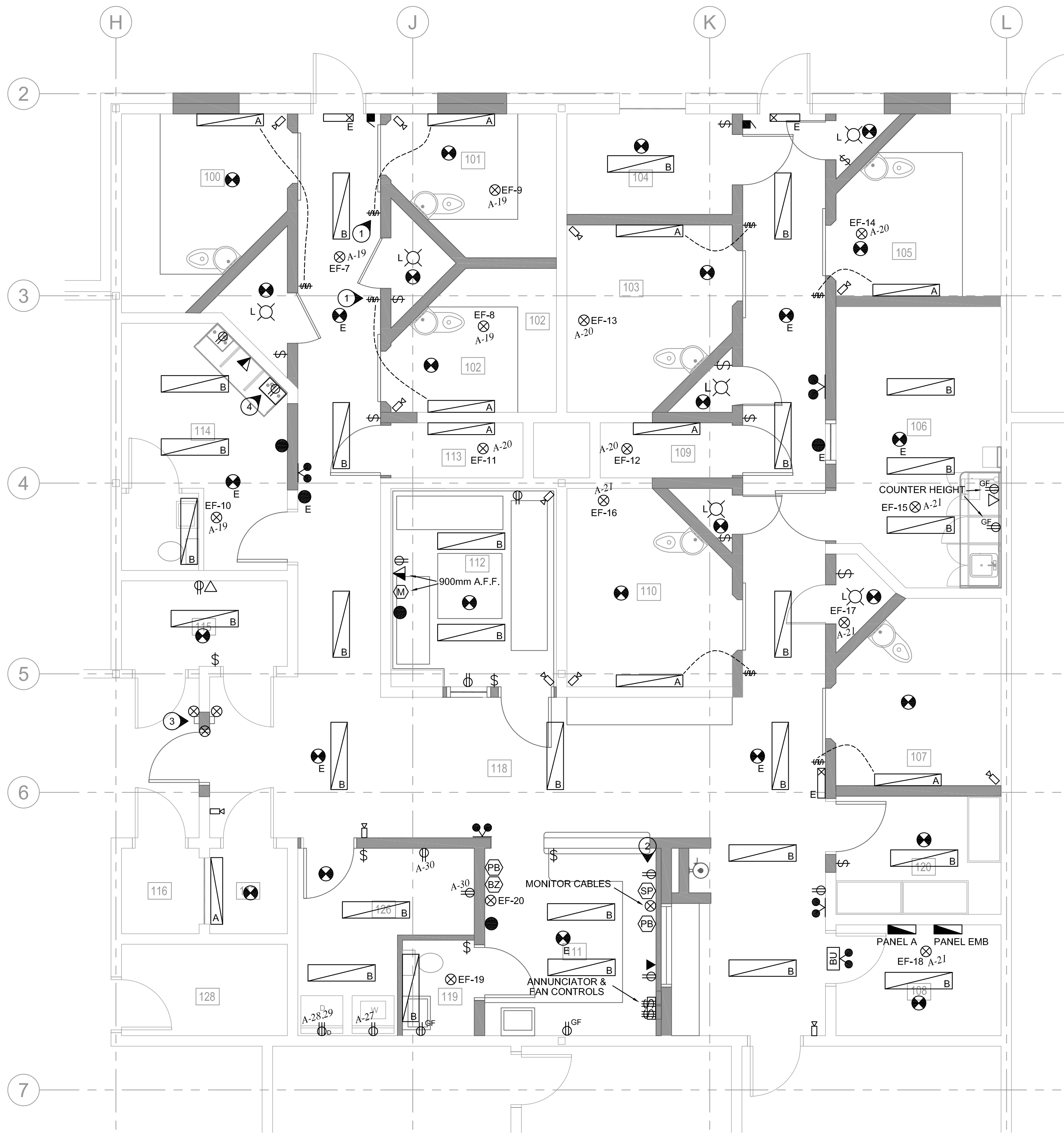
- DRAWING NOTES:**
- ① FIRE ALARM MANUAL PULL STATIONS TO BE RELOCATED.
  - ② REMOVE SPEAKER AND REINSTALL AFTER CONSTRUCTION.
  - ③ EXIT SIGN IS TO BE RELOCATED.
  - ④ EXISTING ANNUNCIATOR TO BE REMOVED AND REPLACED WITH NEW ANNUNCIATOR LOCATED IN NEW GUARD ROOM.
  - ⑤ RELOCATE PANIC PUSHBUTTON AND BUZZER TO NEW GUARD ROOM.
- GENERAL NOTES**
- A. DISCONNECT AND REMOVE ALL LIGHT FIXTURES SHOWN. REUSE WIRING WHERE POSSIBLE. REMOVE ALL UNUSED WIRING AND CONDUIT BACK TO THE PANEL.
  - B. ALL SWITCHES AND RECEPTACLES SHOWN ARE TO BE REMOVED UNLESS OTHERWISE NOTED. REUSE WIRING FOR NEW DEVICES WHERE POSSIBLE. REMOVE ALL UNUSED WIRING AND CONDUIT BACK TO THE PANEL.
  - C. DEVICES IN GUARD ROOM 111 WALLS ARE TO REMAIN, BUT MOVED FORWARD TO ACCOMMODATE NEW SOUND ATTENUATION MATERIAL.
  - D. SMOKE DETECTORS SHOWN ARE TO BE REMOVED AND REPLACED. HEAT DETECTOR IS TO BE REPLACED WITH SMOKE DETECTOR.
  - E. EMERGENCY LIGHTS ARE TO BE REMOVED AND REPLACED AS SHOWN.
  - F. EXHAUST FANS EF-7 THROUGH EF-18 ARE LOCATED IN CRAWLSPACE ABOVE CEILING AND ARE TO BE DISCONNECTED. REUSE WIRING FOR NEW EXHAUST FANS WHERE POSSIBLE. REMOVE ALL UNUSED WIRING AND CONDUIT BACK TO THE PANEL. EXHAUST FAN EF-19 IS LOCATED ON THE ROOF AND IS TO BE REPLACED WITH SIMILAR FAN. REUSE WIRING IF POSSIBLE.

1 ELECTRICAL DEMOLITION PLAN  
 E1 SCALE: 1:50



PROJECT TITLE: THE PAS RCMP  
 SHEET TITLE: ELECTRICAL DEMOLITION PLAN  
 DATE/TIME/ISSUED FOR TRACKER: 2014-06-25 14:06:25  
 LOCATION: THE PAS, MANITOBA  
 DRAWN BY: AZ  
 CHECKED BY: JJD  
 SCALE: 1:50

ADDENDUM#1  
**E1**  
 REVISION #: 01  
 JOB NO. 13-075



2 PARTIAL MAIN FLOOR PLAN  
SCALE: 1:50

- DRAWING NOTES:**
- CONFIRM ON SITE THAT SWITCH LOCATION WILL NOT INTERFERE WITH DOOR OPENING.
  - REFER TO ELEVATION DRAWING A1.08 FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES ON THIS WALL.
  - ROUGH IN FOR FUTURE CARD READER ACCESS. PROVIDE A BOX WITH 21mm (3/4") CONDUIT AND PULL STRING RUNNING BACK TO LAN ROOM TO EACH SIDE OF DOOR. PROVIDE POWER FOR ELECTRIC DOOR STRIKE. CONFIRM EXACT REQUIREMENTS ON SITE.
  - PROVIDE BLACK BOX RM2413A RACKMOUNT CABINET DESK FOR CCVE EQUIPMENT.

**EQUIPMENT SCHEDULE**

NUMBER	DESCRIPTION	KW/HP/A	VOLTS/PH	BREAKER	CONDUCTOR	NOTES
EF-7,8,9,14,16,17	CELL EXHAUST FANS	FRACTIONAL	120V/1PH	15A/1P	2#12 RW90	CONTROLLED BY SWITCH IN ROOM 111
EF-10,15,18,19	EXHAUST FANS	FRACTIONAL	120V/1PH	15A/1P	2#12 RW90	RUNS CONTINUOUSLY
EF-11,12	SHOWER EXHAUST FANS	FRACTIONAL	120V/1PH	15A/1P	2#12 RW90	CONNECT TO ROOM LIGHT SWITCH
EF-20	EXHAUST FAN					

**NOTES:**  
 1. MATCH BREAKER AND WIRE SIZES TO ACTUAL NAMEPLATE RATINGS OF EQUIPMENT  
 2. PROVIDE LOCAL DISCONNECTS TO CODE  
 3. FANS EF-7-19 ARE LOCATED IN THE CRAWLSPACE ABOVE CEILING. EF-20 IS LOCATED ON THE ROOF.

**PANEL A**  
225A, 120/208V, 3PH, 4W

CCT #	DESCRIPTION	BREAKER SIZE	CCT #	DESCRIPTION	BREAKER SIZE
1	EXISTING	15A	22	EXISTING	15A
2		15A	23		15A
3		15A	24		15A
4		15A	25		20A
5		15A	26		20A
6		15A	27	WASHING MACHINE	15A
7		15A	28		
8		15A	29	DRYER	30A
9		15A	30	ROOM 126 RECEPTACLES	15A
10		15A	31		
11		15A	32		
12		15A	33		
13		15A	34		
14		15A	35		
15		15A	36		
16		15A	37		
17		15A	38		
18		15A	39		
19	EF-7 - EF-10 (RE-USE)	15A	40		
20	EF-11 - EF-14 (RE-USE)	15A	41		
21	EF-15 - EF-18 (RE-USE)	15A	42		

**NOTE:**  
FOR ALL DEVICES NOT MARKED WITH A CIRCUIT NUMBER, REUSE EXISTING CIRCUIT, TIE INTO AREA CIRCUIT, OR PROVIDE NEW CIRCUIT AS APPROPRIATE.

- FIRE ALARM NOTES:**
- ADD FIRE ALARM DEVICES AS SHOWN. NEW DEVICES ARE TO MATCH AND BE COMPATIBLE WITH EXISTING SYSTEM. PROVIDE FIRE ALARM VERIFICATION UPON COMPLETION OF PROJECT.
  - SMOKE DETECTORS IN CELL AREAS ARE TO BE COMPLETE WITH APPROVED PROTECTIVE CAGE. APPROVED CAGES ARE: SIMPLEX-GRINNELL MODEL 2098-9829C, GE SECURITY (EDWARDS) MODEL 6255-004, NOTIFIER (HONEYWELL) MODEL G1A-2. SMOKE DETECTOR MUST BE APPROVED FOR USE WITH SELECTED PROTECTIVE CAGE. REPLACE EXISTING SMOKE DETECTORS, FIRE ALARM CONTROL PANEL IF NECESSARY FOR A FULLY COMPATIBLE SYSTEM.
  - PROVIDE A NEW ANNUNCIATOR IN ROOM 111 TO BE COMPATIBLE WITH EXISTING FIRE ALARM. ANNUNCIATOR IS TO PROVIDE INDICATION OF ALARM CONDITION FOR EACH INDIVIDUAL CELL.
  - USE HIGH-YIELD GROUT MATERIAL TO FILL ANY SPACE BETWEEN THE BACK OF THE MOUNTING PLATE AND THE CEILING SURFACE.
  - ALL PROTECTIVE CAGES MUST BE STAMPED WITH MANUFACTURER AND MODEL NUMBER ON THE FACE PLATE.
  - REFER TO A6.0 REFLECTED CEILING PLAN FOR EXACT LOCATION OF FIRE ALARM DEVICES.
  - DEVICES MARKED WITH "E" ARE EXISTING AND ARE TO REMAIN.

- CLOSED CIRCUIT CAMERA NOTES:**
- PROVIDE 27mm CONDUIT COMPLETE WITH ONE CAT6 CABLE AND PULL WIRE IN ROOM 111 FROM EACH NEW CELL & CORRIDOR CAMERA LOCATION TO GUARD DESK. FOR CAMERAS LOCATED IN ROOM 112, PROVIDE THE ABOVE TO THE ROOM 114 INSTEAD OF GUARD DESK. CONDUIT MUST BE CONCEALED IN ALL AREAS.
  - SUPPLY AND INSTALL NEW CAMERA HOUSINGS FOR CAMERAS LOCATED IN CELLS AND ROOM 112. HOUSINGS TO BE BAKKO FB303. FOR ALL OTHER CAMERAS, PROVIDE FLUSH OCTAGON BOX AT CEILING, 40-50mm (1.5 - 2") FROM ADJACENT WALL SURFACES. OWNER TO PROVIDE DOME HOUSING.
  - CONDUIT FITTINGS ARE TO HAVE 2ND LOCKNUT INSTALLED ON EXTERIOR OF CAMERA HOUSING IN ORDER TO HAVE MINIMAL PROTRUSION INTO THE CAMERA HOUSING.
  - USE HIGH-YIELD GROUT MATERIAL TO FILL ANY SPACE BETWEEN THE BACK OF THE MOUNTING PLATE AND THE CEILING SURFACE.

- GENERAL NOTES:**
- SWITCHES FOR CELL LIGHTS AREA TO BE OF THE CENTRE OFF TYPE. UP POSITION SHOULD TURN ON GENERAL CELL LIGHT, CENTRE POSITION IS OFF, AND BOTTOM POSITION SHOULD TURN ON NIGHT LIGHT. ACCEPTABLE PRODUCT: LEVITON 1281 TOGGLE SWITCH.
  - CONTRACTOR IS RESPONSIBLE FOR X-RAYING FLOOR AND CEILING SLAB TO ENSURE CONDUITS ARE NOT STRUCK WHEN CORING.
  - FOR MICROPHONE, PROVIDE SINGLE GANG BOX, CONDUIT BACK TO ROOM 114, AND HONEYWELL GENESIS 22221009 OR EQUIVALENT CABLE.

**SYMBOL SCHEDULE**

⊕	DUPLEX RECEPTACLE
⊕*	"GF" DENOTES GFI RECEPTACLE
⊕*	240V RECEPTACLE
⊕*	"D" DENOTES DRYER RECEPTACLE
⊕*	SINGLE GANG SWITCH
⊕*	"3" DENOTES 3-WAY
⊕*	TWO GANG SWITCH
⊕*	CENTRE OFF SWITCH
⊕*	TELEPHONE JACK
⊕*	DATA JACK
⊕*	TELEPHONE/DATA JACK
⊕*	FIRE ALARM SMOKE DETECTOR
⊕*	"E" DENOTES EXISTING
⊕*	FIRE ALARM HEAT DETECTOR
⊕*	FIRE ALARM PULL STATION
⊕*	FIRE ALARM BELL
⊕*	"E" DENOTES EXISTING
⊕*	CLOSED CIRCUIT CAMERA
⊕*	PAGING SYSTEM SPEAKER
⊕*	MICROPHONE
⊕*	PANIC PUSHBUTTON
⊕*	PANIC BUZZER
⊕*	ELECTRICAL CONNECTION
⊕*	EXIT SIGN
⊕*	"E" DENOTES EXISTING

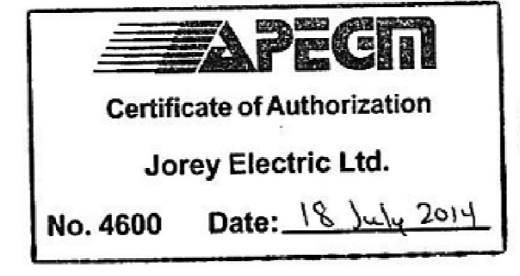
**LIGHTING SCHEDULE**

TYPE	DESCRIPTION	LAMPS
A	COOPER LIGHTING FCC-X-232-120-80/86-EB82-FNL CORNER MOUNTED MANUFACTURER AND MODEL NUMBER STAMPED ON FIXTURE FACEPLATE. ARRANGE FOR HIGH YIELD GROUTING ALL AROUND WITH POLYMER FORTIFIED HIGH YIELD GROUT.	2 F32T8/841
B	COOPER LIGHTING METALUX MC-232A125-UNV-EB81-RIF1-U CEILING MOUNTED	2 F32T8/841
L	OUTLET BOX LAMPHOLDER, ONE-PIECE KEYLESS TOP WIRED 60W, 600V C/W WIRE GUARD	60W A19

**EMERGENCY LIGHTING SCHEDULE**

TYPE	DESCRIPTION
BU	BATTERY UNIT LUMACELL RG12S-72-2-LD9
⊕*	REMOTE HEADS LUMACELL RSQB-DL9

**NOTE:**  
ENSURE THAT EMERGENCY LIGHTS ARE CONNECTED TO THE LIGHTING CIRCUIT FOR THE AREA THEY SERVE, SUCH THAT THE EMERGENCY LIGHTING IS AUTOMATICALLY ACTIVATED UPON LOSS OF POWER TO AREA LIGHTING.



PROJECT TITLE: THE PAS RCMP  
 SHEET TITLE: ELECTRICAL CONSTRUCTION PLAN  
 DATE/TITLE: 2014-06-25  
 LOCATION: THE PAS, MANITOBA  
 DRAWN BY: AZ  
 CHECKED BY: JD  
 SCALE: 1:50

ADDENDUM#1  
**E2**  
 REVISION #: 01  
 JOB NO. 13-075

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