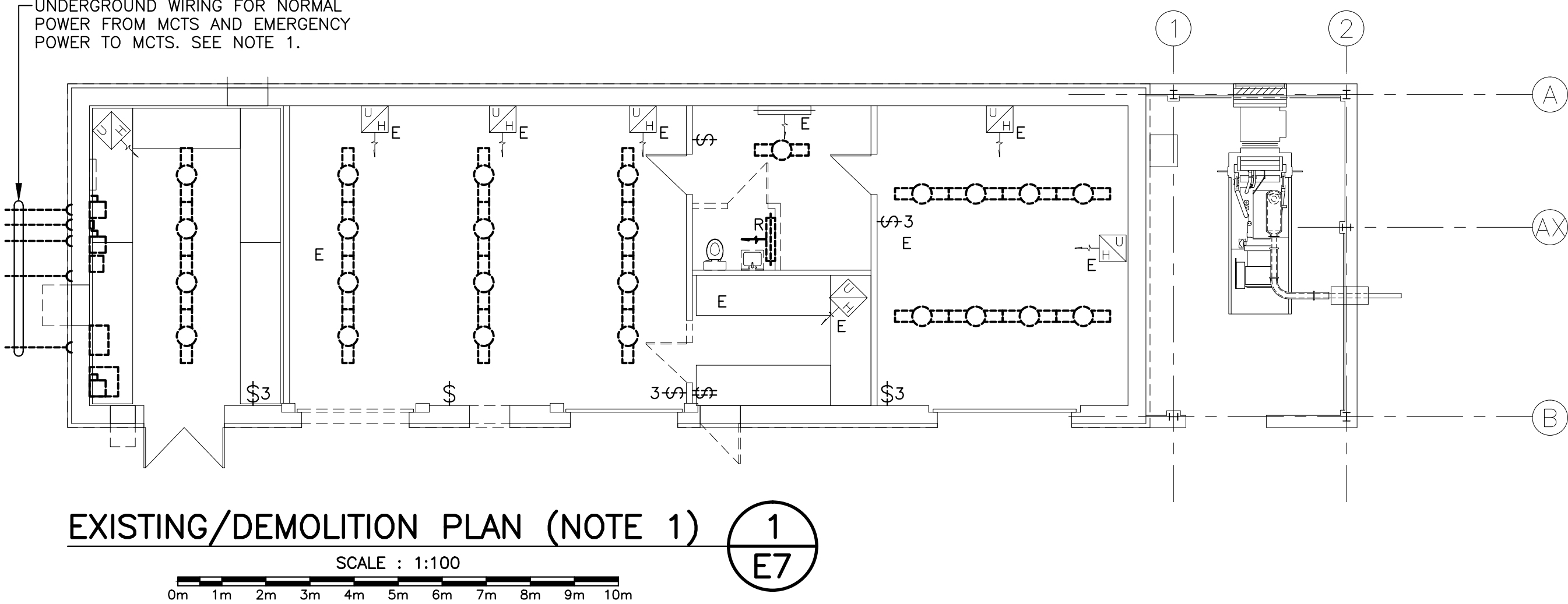


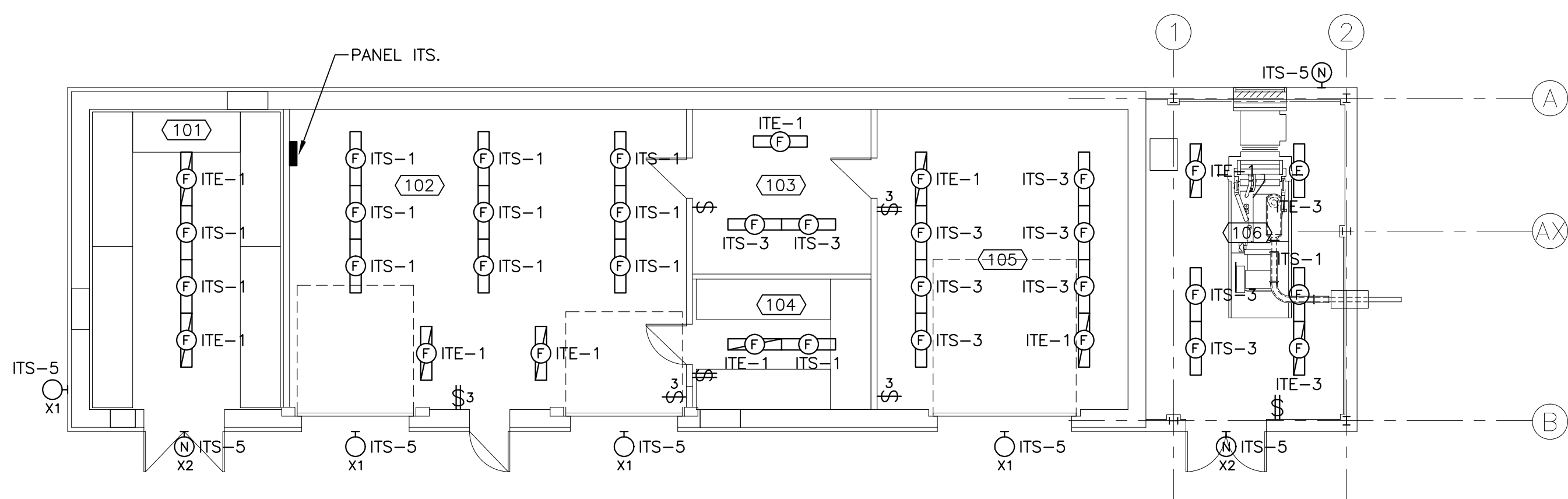
UNDERGROUND WIRING FOR NORMAL POWER FROM MCTS AND EMERGENCY POWER TO MCTS. SEE NOTE 1.



EXISTING/DEMOLITION PLAN (NOTE 1)

SCALE : 1:100

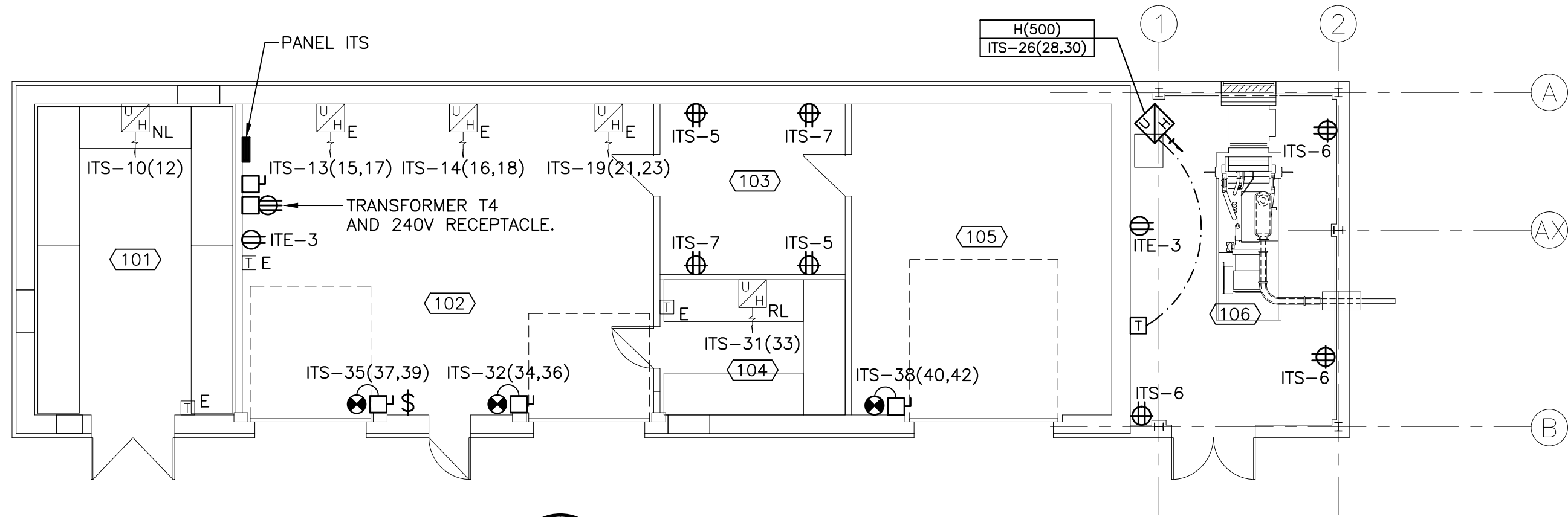
1
E7



LIGHTING PLAN

SCALE : 1:100

2
E7



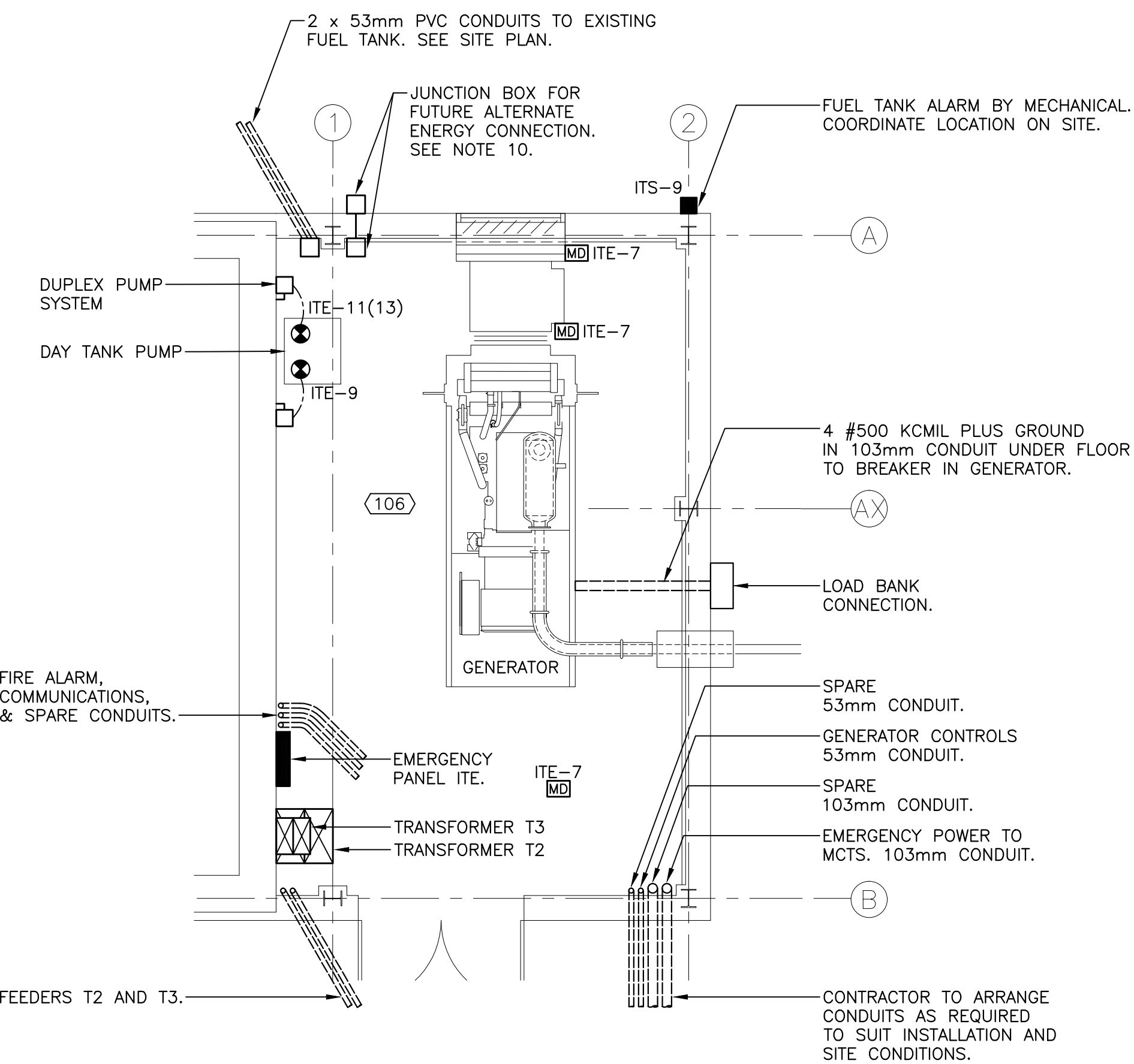
POWER PLAN

SCALE : 1:100

3
E7

PANEL: ITS		LOCATION : ITS BLDG. RM 102 SERVICE : 120/208/3/60				MOUNTING : SURFACE BRANCH BREAKER I.C. :				200 AMP. MAINS. : 25k AMP. RMS SYM.					
LOAD DESCRIPTION		LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	LOAD DESCRIPTION		PHASE LOAD				
											A	B	C		
LIGHTING-INTERIOR		492	12	15	1	2	15	12	400	RECEPTACLES-EXISTING (NOTE 3)	892				
LIGHTING-INTERIOR		533	12	15	3	4	15	12	200	RECEPTACLES-EXISTING (NOTE 3)		733			
LIGHTING - EXTERIOR		480	12	15	5	6	15	12	200	RECEPTACLES RM. 106			680		
NEW REC. RM. 103		400	12	15	7	8	15	12	200	RECEPT. RM. 101-EXIST. (NOTE 3)	600				
FUEL TANK ALARM		100	12	15	9	10						1500			
SPARE					20	11	12	15	12	3000	HEATER RM. 101 - EXISTING			2364	
					13	14					3333				
EXISTING HEATER RM. 102		5000	12	20	15	16	20	12	5000	HEATER RM. 102 - EXISTING		3333			
					17	18							3333		
					19	20					3333				
EXISTING HEATER RM. 102		5000	12	20	21	22	20	12	5000	HEATER RM. 105 - EXISTING			3333		
					23	24							3333		
					25	26					3333				
EXISTING HEATER RM. 105		5000	12	20	27	28	20	12	5000	HEATER RM. 106			3333		
					29	30							3333		
					31	32					1420				
EXISTING HEATER RM. 104		2000	12	15	33	34	15	12	1260	3/4Hp O/H DOOR RM. 102		840			
					35	36							840		
3/4Hp O/H DOOR RM. 102		1260	12	15	37	38					840				
					39	40	15	12	1260	3/4Hp O/H DOOR RM. 105		840			
SPARE					41	42							420		
NOTES:								CONNECTED LOAD		41.5 kW	TOTAL WATTS		13.2k	14.0k	14.3k
								ESTIMATED DEMAND		33.0 kW	TOTAL AMPS				

PANEL: ITE		LOCATION : ITS BLDG. RM 102 SERVICE : 120/208/3/60						MOUNTING : SURFACE BRANCH BREAKER I.C.				100 AMP. MAINS. : 22k AMP. RMS SYM.			
LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT	BKR	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD			A	B	C	
EMERGENCY LIGHTING	410	12	15	1	2	15	12	800 REC. RM. 106	1210						
REC. RM. 102	200	12	15	3	4	50	8	7500 TRANSFORMER T-4		3950					
REC. RM. 103	400	12	15	5	6								4150		
MOTORIZED DAMPER	100	12	15	7	8	15		SPARE		100					
DAY TANK PUMP	864	12	20	9	10	15		SPARE							
DAY TANK DUPLEX PUMPS	2000	12	25	11	12	15		SPARE							
				13	14										
PREPARED SPACE				15	16			PREPARED SPACE							
PREPARED SPACE								PREPARED SPACE							
NOTES:						CONNECTED LOAD		9.4 kW	TOTAL WATTS	1310	3950	4150			
						ESTIMATED DEMAND		6.0 kW	TOTAL AMPS						



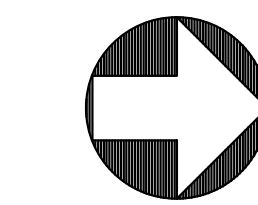
GENERATOR ROOM

SCALE : 1:50

4
E7

NOTES:

1. THE EXISTING GENERATOR AND ALL ASSOCIATED SERVICES WILL BE REMOVED BY OWNER. THE PANEL BOARD FOR CIRCUITS IN THE IT STORAGE BUILDING WILL REMAIN OPERATIONAL UNTIL THE POWER SUPPLY IS INSTALLED FROM THE NEW MCTS. AFTER THE NEW PANEL IS INSTALLED AND ENERGIZED, AND NEW LIGHTS & CIRCUITS ARE INSTALLED, THE EXISTING PANEL WILL BE REMOVED AND CIRCUITS REROUTED TO THE NEW PANEL.
2. EXISTING HEATERS AND CONTROLS WILL REMAIN. PROVIDE NEW CIRCUITS IN NEW PANEL 'ITS'. CONTRACTOR TO CONFIRM ACTUAL CAPACITY, VOLTS AND PHASE OF ELECTRICAL HEATERS AND PROVIDE NEW CIRCUITS TO SUIT. REUSE EXISTING CONDUIT, WIRING AND CONTROLS WHERE SUITABLE AND REROUTE CIRCUITS TO NEW PANEL.
3. PICK UP EXISTING RECEPTACLES CIRCUITS FOR RECEPTACLES AND REROUTE TO NEW PANEL. CONFIRM REQUIREMENTS ON SITE. ASSUME TWO CIRCUITS.
4. INCLUDE ALL NECESSARY WIRE, CONDUITS, BOXES, AND SUPPORTS TO BE REROUTED AND EXTEND EXISTING CIRCUITS TO NEW PANEL.
5. ALL DEMOLISHED MATERIALS INCLUDE WIRE, CONDUITS, BOXES, LIGHT FIXTURES, ETC. MUST BE DISPOSED IN ACCORDANCE WITH THE WASTE MANAGEMENT PLAN.
6. CONTRACTOR TO REUSE EXISTING CONDUIT, BOXES, AND WIRE WHERE SUITABLE FOR THE NEW EQUIPMENT. EXISTING LIGHT SWITCHES TO BE REMOVED AND THE BOXES FITTED WITH BLANK COVERS. PROVIDE NEW SURFACE CONDUIT AND WIRING AS REQUIRED FOR NEW CIRCUITS AND LIGHTING CONTROL.
7. LIGHT TYPE X1: EXISTING LED FLOOD LIGHTS. CONTRACTOR TO REMOVE AND STORE TO ACCOMMODATE NEW ARCHITECTURAL SIDING AND DOOR MODIFICATIONS. EXTEND OUTLET BOXES AND REINSTATE FIXTURES IN SAME LOCATIONS AFTER MODIFICATIONS ARE COMPLETE.
8. LIGHT TYPE 'N': NEW FIXTURES AS INDICATED. CONNECT TO EXISTING EXTERIOR LIGHT CIRCUIT. C/W BUILT-IN PHOTOCELL.
9. EXISTING LIGHT FIXTURES ARE 4' FLUORESCENT STRIP LIGHTS.
10. PROVIDE A 200mm SQ. x 150mm DEEP NEMA 1 STEEL BOX IN GENERATOR ROOM 106 AND A 200mm SQ. x 150mm DEEP NEMA 4X POLYESTER BOX WITH GASKETED HINGED COVER ON THE EXTERIOR WALL. LABEL "ALTERNATE ENERGY SOURCE" FOR BOTH BOXES. MOUNT 1M ABOVE FLOOR AND CONNECT WITH 53mm CONDUIT.



APPROX. NORTH

C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	MAY 25 2017
A	ISSUED FOR CLIENT REVIEW	APR 28 2017
revisions		date

project

MCTS CENTRE AND
C&P BUILDING

PLACENTIA

drawing

ITS STORAGE
FACILITY

ELECTRICAL PLANS

designed

date

drawn

date

approved

date

Tender

Project Manager

Administrateur de projets

R.081781.004

drawing no.

E7