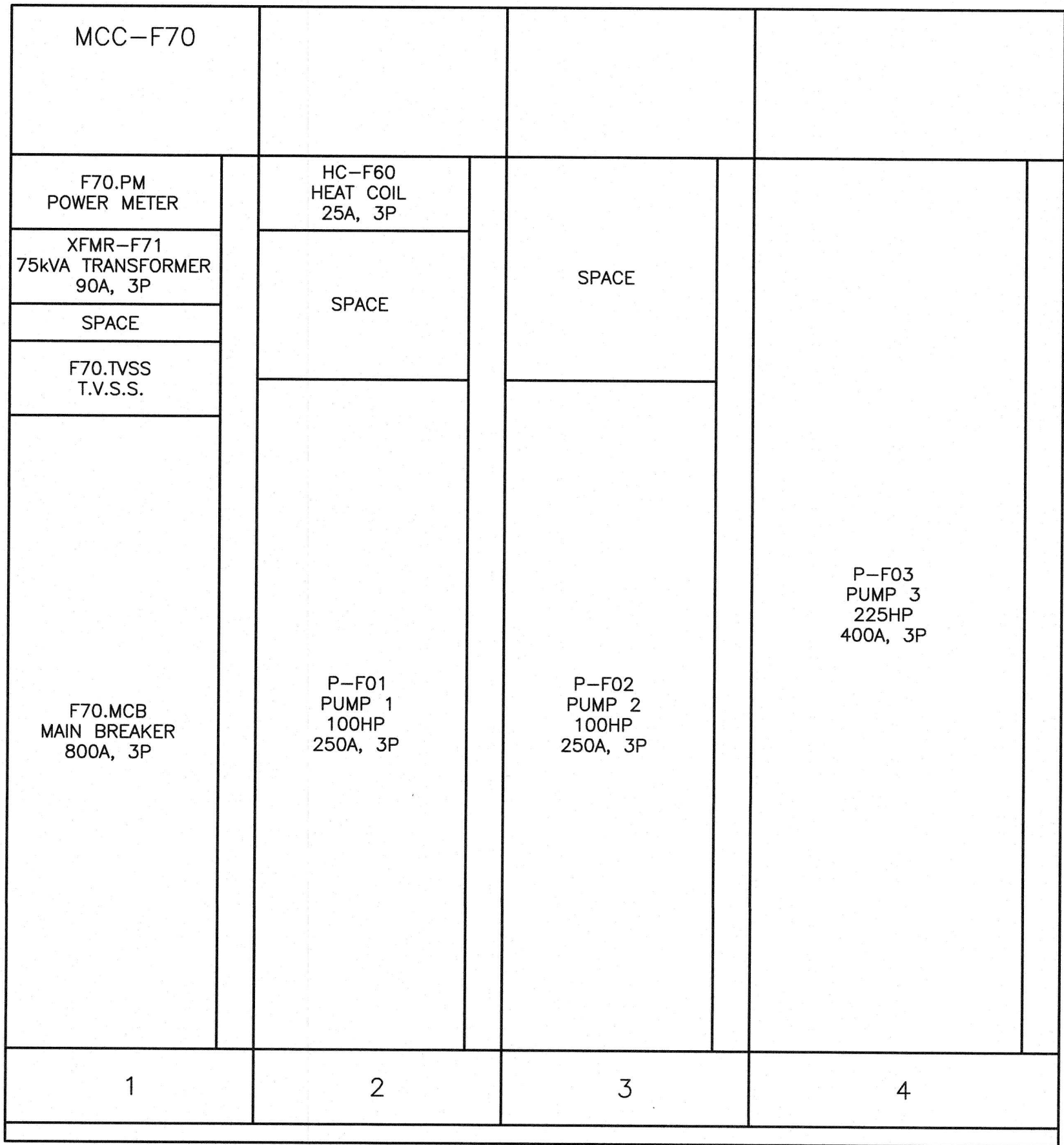
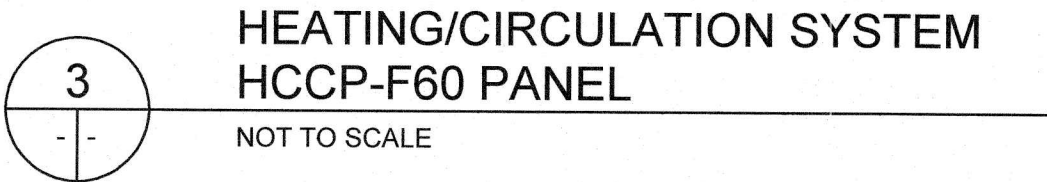


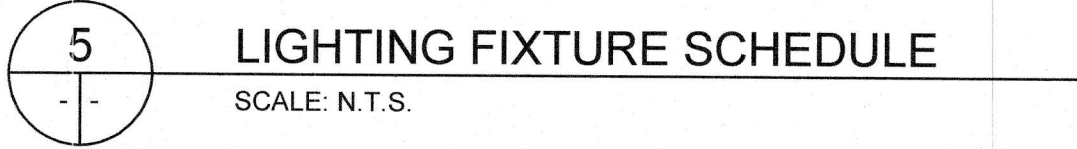
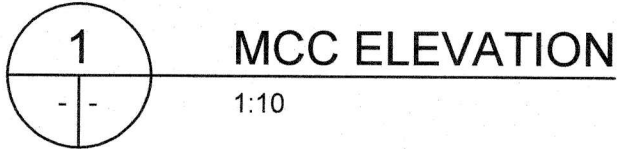


HCCP-F60 HEATING / CIRCULATION SYSTEM CONTROL PANEL			
OPERATION	PILOT DEVICE	TAG	FUNCTION
EXHAUST FAN EF-F60	BLUE PILOT LIGHT	YLH-F602	HI SPEED
EXHAUST FAN EF-F60	BLUE PILOT LIGHT	YLL-F602	LO SPEED
AIR FILTER FIL-F60	AMBER PILOT LIGHT	YLT-F604	FILTER ALARM
SUPPLY FAN SF-F60	BLUE PILOT LIGHT	YL-F603	READY
SUPPLY FAN EF-F60	BLUE PILOT LIGHT	YLR-F603	RUNNING
SUPPLY FAN EF-F60	BLUE PILOT LIGHT	YLF-F603	FAULT
OPERATION MODE	BLUE PILOT LIGHT	YL-F711-1	OCCUPIED
OPERATION MODE	BLUE PILOT LIGHT	YL-F711-2	UNOCCUPIED
OPERATION MODE	BLUE PILOT LIGHT	YL-F821-1	SUMMER
OPERATION MODE	BLUE PILOT LIGHT	YL-F821-2	WINTER
OPERATION MODE	SELECTOR SWITCH	HS-F601	DEFAULT / AUTO

ECCP-F61 EXHAUST / COOLING SYSTEM CONTROL PANEL			
OPERATION	PILOT DEVICE	TAG	FUNCTION
SUPPLY FAN SF-F61	SELECTOR SWITCH	HS-F611-1	HAND-OFF-AUTO
SUPPLY FAN EF-F61	SELECTOR SWITCH	HS-F611-2	HIGH-LO
SUPPLY FAN EF-F61	BLUE PILOT LIGHT	YLH-F611	HIGH SPEED
SUPPLY FAN EF-F61	BLUE PILOT LIGHT	YLL-F611	LOW SPEED

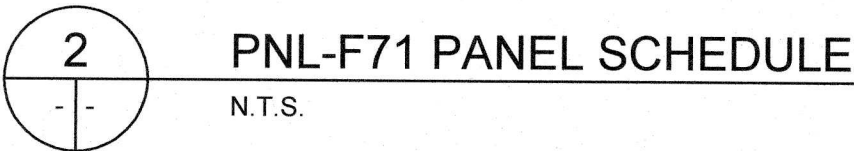


LIGHTING FIXTURE SCHEDULE												
LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	TYPE OF LAMP	LUMENS	VOLTAGE (V)	WATTAGE	LOCATION	MOUNTING HEIGHT	MOUNTING METHOD	NOTE
A	6	LITHONIA LIGHTING	VAP 4000LM FST WD XX GZ10 40K 80CRI	ARCHWAY PASSAGE LED ROUGH SERVICE FIXTURE FOR WET LOCATION WITH WIDE DISTRIBUTION FROSTED POLYCARBONATE LENS, 4000K, 80CRI, 6,000LM	LED	4565	120	44	MAIN FLOOR	APPROX 2.29M AFF	PENDANT BELOW HVAC DUCTS	BACKUP POWER FROM UPS
B	1	COOPER CROUSE-HINDS	MLL4N/UNV1-S903D	CAMP MILL HAZARDOUS AREA LINEAR LED LIGHT FIXTURE, 4 FT LINEAR NARROW BEAM WITH REFLECTOR AND DIFFUSE POLYCARBONATE LENS.	LED	6970	120	53	DRY WELL	2.44M ABOVE DRY WELL STAIRWAY	CEILING	BACKUP POWER FROM UPS
C	3	COOPER CROUSE-HINDS	FMV3LCYUNV133-S891	CAMP FMV HAZARDOUS AREA LED LIGHT FIXTURES, FLOODLIGHT SAMPLE WITH NEWEST 3X3 OPTICS INSTALLED. DIFFUSED GLASS LENS.	LED	3189	120	28	DRYWELL	2.44M ABOVE EACH PLATFORM	WALL MOUNTED	BACKUP POWER FROM UPS
D	2	COOPER CROUSE-HINDS	FMV7LCYUNV176-S891	CAMP FMV HAZARDOUS AREA LED LIGHT FIXTURES, 120V 7L SAMPLE WITH DIFFUSE GLASS LENS.	LED	6126	120	28	DRYWELL	APPROX 2.44M FROM THE BOTTOM OF THE DRYWELL	WALL MOUNTED	BACKUP POWER FROM UPS
	1	AIMLITE	EBST-MVP121000CCWHTON/ATD	MINI INVERTER, 1000W, NORMALLY ON WITH AUTO-TEST-SELF-DIAGNOSTIC	N/A	N/A	N/A	N/A	MAIN FLOOR	N/A	WALL MOUNTED	UPS FOR LIGHT FIXTURE



PANEL TAG NAME: PNL-F71		225A, 208/120V, 3-PH., 4W MAINS: 225A, Cu (M.L.O.) MAIN BKR: 208V 90A-3P (MCC-F70)			MOUNTING: SURFACE LOCATION: MAIN FLOOR	
LOAD-KW	CIRCUIT DESCRIPTION	PROT.	CIRCUITS			LOAD-KW
	SUPPLY FAN (SF-F60)	15A 3P	1	A	2 10A	PLC CONTROL PANEL
			3	B	4 15A	CSO TERMINATION PANEL
			5	C	6 15A	UPS/INTERIOR LIGHTS
	SUPPLY FAN (SF-F61)	15A 3P	7	A	8 15A	SPARE
			9	B	10 15A	EXTERIOR LIGHT
			11	C	12 15A	EXTERIOR RECEPTACLE (GFCI RECEPTACLE)
	EXHAUST FAN (EF-F60)	15A 3P	13	A	14 15A	SMOKE DETECTOR
			15	B	16 20A	DRYWELL DEHUMIDIFIER RECEPTACLE
			17	C	18 15A	DRYWELL SUMP PUMP RECEPTACLE
	DAMPERS (SD-F60-1, RD-F60, SD-F60-2, ED-F60, ED-F61)	15A	19	A	20 15A	INTERIOR RECEPTACLE
	SPARE	15A	21	B	22 15A	SPARE
	SPARE	15A	23	C	24 15A	SPARE
	SPARE	15A	25	A	26	
			27	B	28	
			29	C	30 20A	CONVENIENCE RECEPTACLE NEXT TO PNL-F71

EATON PRL2a 30 CCT. PANELBOARD WITH TYPE 12 ENCLOSURE OR APPROVED EQUIVALENT



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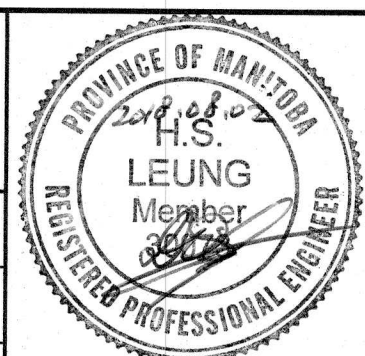
LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES COMMITTEE DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	F.B.
00	ISSUED FOR TENDER
NO.	REVISIONS
	DATE
	BY

TETRA TECH	
DESIGNED BY TL	CHECKED BY HSL
DRAWN BY CPG	APPROVED BY
HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION
VERTICAL:	
DATE	DATE



CONSULTANT DRAWING NO.
1800120700-DWG-E0005



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

BALTIMORE FLOOD PUMPING STATION UPGRADES

ELECTRICAL
DETAILS

CITY DRAWING NUMBER

SHEET OF
17 23

E0005