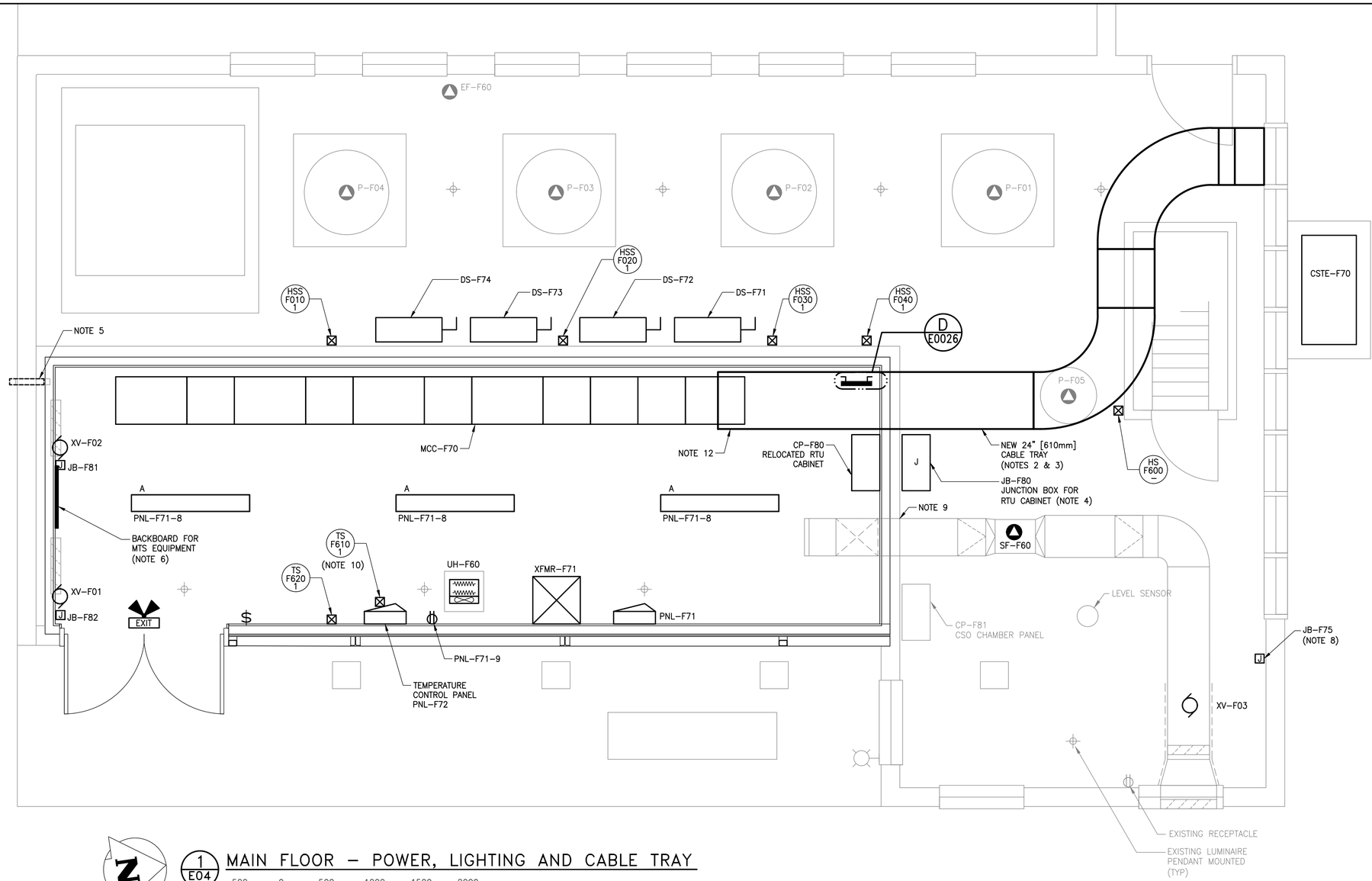

1 / E04 MAIN FLOOR – POWER, LIGHTING AND CABLE TRAY

500 0 500 1000 1500 2000

SCALE: 1:25mm (24"x36")

LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	VOLTAGE	LAMPS	COLOR	DESIGN BASIS	REMARKS
A	EMERGENCY EFFICIENT VAPORLITE LED SERIES	120	LED	4000K	EATON : 4VT2–8–UNV–L840–CD1–U	UNLESS OTHERWISE NOTED ON DRAWINGS, SUSPEND LUMINAIRE AT 2590mm (8'–6") ABOVE FINISHED FLOOR.
E1	COMBO EXIT LIGHT WITH BUILT–IN BATTERY AND TWO LED LIGHTS	120	LED		EMERGI–LITE : ELXN400–R–2LED–R–AD	MOUNTED AT 2235mm (88") AFF.

NOTES:

1. GREY ITEMS DENOTES EXISTING STRUCTURES AND EQUIPMENT.
2. CABLE TRAY SHALL BE 24" NOMINAL WIDTH [610MM] LADDER STYLE TRAY WITH EACH 90° BEND HAVING 24" [610MM] MINIMUM BENDING RADIUS.
3. CABLE TRAY SHALL BE MOUNTED AT 8'–6" [2590MM] AFF TO ALLOW FOR CLEARANCE ABOVE STAIRWELL AND BELOW HORIZONTAL CEILING BEAMS.
4. PROVIDE NEW RTU JUNCTION BOX IN APPROXIMATELY SAME LOCATION AS REMOVED RTU CABINET. EXTEND CONDUITS TO NEW JUNCTION BOX AS REQUIRED. PROVIDE TERMINAL BLOCKS FOR ALL CONDUCTORS BETWEEN RTU CABINET AND FIELD DEVICES TO PERMIT FIELD WIRING TO BE EXTENDED TO NEW LOCATION FOR THE RTU CABINET. SIZE OF JUNCTION BOX SHALL BE SUITABLE FOR ALL TERMINAL BLOCKS PLUS 50% SPARE/SPACE FOR FUTURE FIELD DEVICES.
5. PROVIDE A 1" PVC SLEEVE THROUGH WALL NEAR THE ROOF PEAK FOR FUTURE INSTALLATION OF TELEPHONE SERVICE.
6. CONTRACTOR SHALL PROVIDE CAT6 CABLE IN EMT CONDUIT FROM THE MTS BACKBOARD TO THE RELOCATED RTU CABINET AND PROVIDE A #6 BARE COPPER CONDUCTOR FROM THE ELECTRICAL ROOM GROUND BUS TO THE MTS BACKBOARD. CONTRACTOR SHALL COIL CABLE 6m AT BACKBOARD.
7. CONTRACTOR SHALL PROVIDE TEMPORARY POWER SUPPLY FOR RTU CABINET AND PNL–F71 DURING CONSTRUCTION.
8. PROVIDE NEW JUNCTION BOX IN APPROXIMATELY SAME LOCATION AS REMOVED PNL–F71. EXTEND CONDUITS TO NEW JUNCTION BOX AS REQUIRED. PROVIDE TERMINAL BLOCKS FOR ALL CONDUCTORS BETWEEN PNL–F71 AND EXISTING CIRCUITS TO PERMIT EXTENSION OF EXISTING CIRCUITS. SIZE OF JUNCTION BOX SHALL BE SUITABLE FOR ALL TERMINAL BLOCKS.
9. CONTRACTOR SHALL RELOCATE CONDUITS AS REQUIRED TO ACCOMMODATE THE DUCTWORK WALL PENETRATION INTO THE ELECTRICAL ROOM.
10. MOUNT THERMOSTAT TS–F610 ON DOOR OF TEMPERATURE CONTROL PANEL PNL–F72.
11. CONTRACTOR SHALL PROVIDE AS–BUILD MARK–UPS FOR ALL EXISTING 120V AND 240V CIRCUITS.
12. CONTRACTOR SHALL PROVIDE CABLES FOR INSTRUMENTATION FROM TRANSFORMER XFMR–F70 TO ELECTRICAL ROOM AND LEAVE CABLE COILED IN ELECTRICAL ROOM FOR FUTURE TERMINATION TO RTU BY THE CITY.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M. –
ELEV. –

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2019/07/12	LU	JAB

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: L. UPPAL	CHECKED BY: J. BOUCHARD
DRAWN BY: G. NELSON	APPROVED BY: J. BOUCHARD
SCALE: AS NOTED	ISSUED FOR CONSTRUCTION BY:
DATE: 2019/07/12	DATE:

CONSULTANT NO.: 19–0107–002_E07

ENGINEER'S SEAL
PROVINCE OF MANITOBA
J. BOUCHARD
Member
20560
2019-07-12
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

CLIFTON FLOOD PUMPING STATION UPGRADES

ELECTRICAL
MAIN FLOOR
POWER, LIGHTING AND CABLE TRAY PLAN

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0125F–E0008–001		00	A1

PLOT DATE: Jul 12, 2019 – 12:43pm
FILE NAME: 19–0107–002_E07.dwg