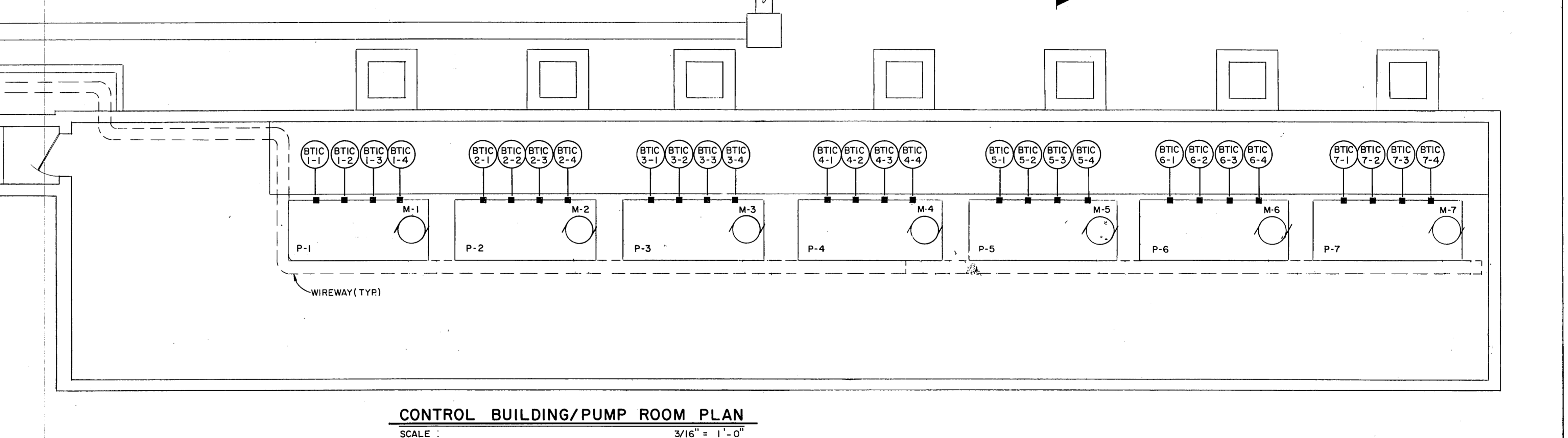
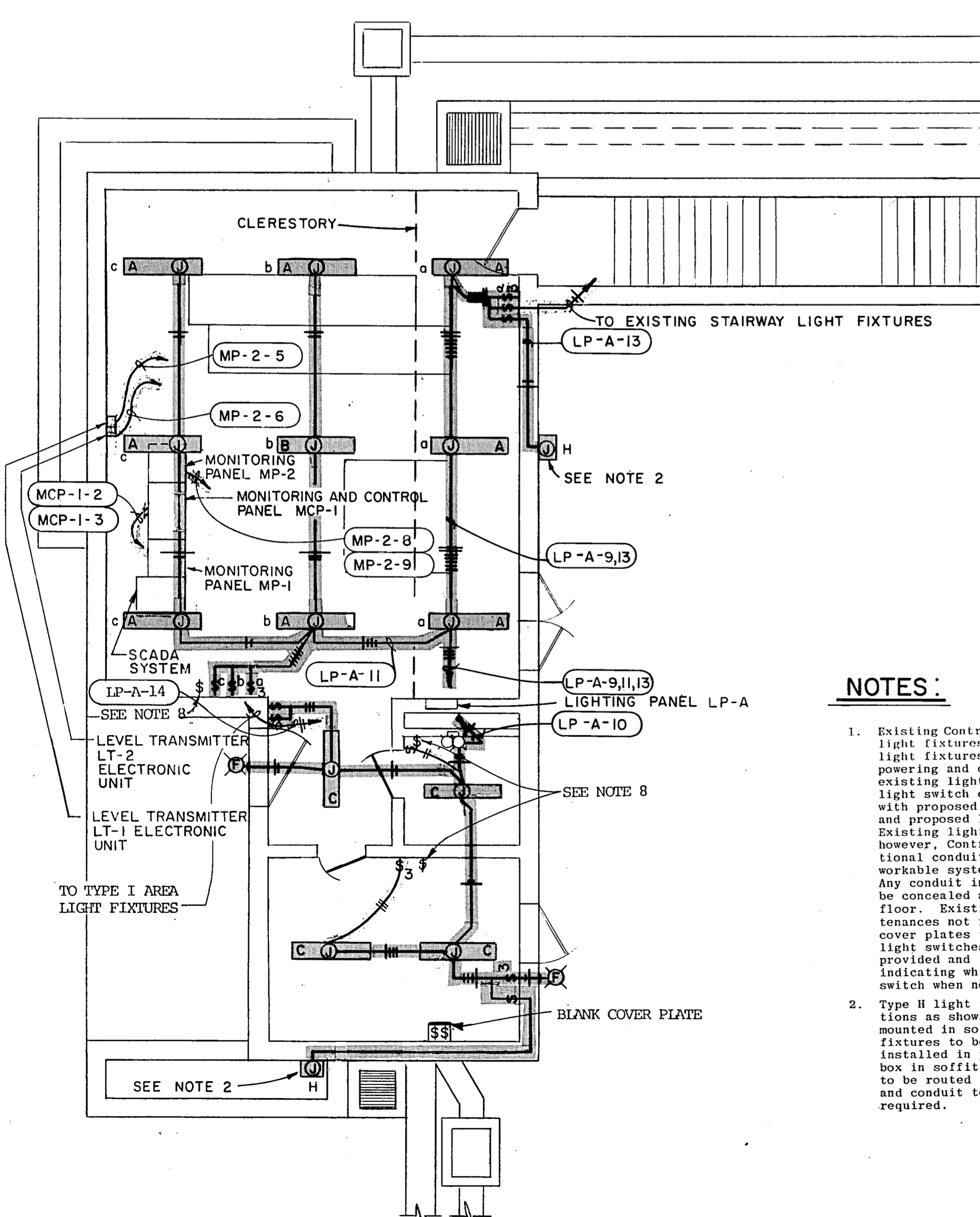


**ONE-LINE DIAGRAM AND PLAN LEGEND**

□	EXISTING		
■	PROPOSED		
□ PB	PULL BOX		
■	FIELD MOUNTED DEVICE		
○ FT-1	FIELD MOUNTED DEVICE IDENTIFICATION TAG, FT-1 = DEVICE DESIGNATION		
○ J	JUNCTION BOX		
○ A	○ F	○ H	○ I
LIGHT FIXTURES, LETTER REPRESENTS FIXTURE TYPE AS DESCRIBED ON LIGHTING FIXTURE SCHEDULE			
○ PP-Q-4	CONDUIT/CABLE IDENTIFICATION TAG, PP-Q-4 = CIRCUIT TAG NUMBER		
○	ELECTRICAL MOTOR		
—	CIRCUIT WITH NO. OF WIRES INDICATED.   = HOT,   = NEUTRAL		
—	HOME RUN CIRCUIT		
⚡	LIGHT SWITCH, 3 = THREE WAY, 4 = FOUR WAY WP = WEATHERPROOF		
BTICs	BEARING TEMPERATURE INDICATOR CONTROLLERS		
FT	FLOW TRANSMITTER		
PT	PRESSURE TRANSMITTER		
LTEU	LEVEL TRANSMITTER ELECTRONIC UNIT		
LT	LEVEL TRANSMITTER		



- NOTES:**
- Existing Control Building interior and exterior light fixtures to be replaced with proposed light fixtures as shown. All existing wire powering and controlling light fixtures, all existing light switches, and all existing light switch cover plates to also be replaced with proposed wire, proposed light switches, and proposed light switch cover plates as shown. Existing light fixture conduits can be utilized; however, Contractor responsible for any additional conduit required for a complete and workable system at no additional cost to Owner. Any conduit installed in Control Building to be concealed above proposed ceiling or below floor. Existing light switches and appurtenances not reutilized to be removed. Blank cover plates to be provided for abandoned light switches as required. Nameplates to be provided and installed above light switches indicating which lights are controlled by switch when not obvious.
  - Type H light fixture to be installed at locations as shown. Existing floodlight fixtures mounted in soffit adjacent to proposed Type H fixtures to be removed. Junction box to be installed in place of existing fixture outlet box in soffit and proposed aluminum conduit to be routed to Type H fixture. Junction box and conduit to be concealed in soffit as required.
  - Proposed Switchgear Building light fixtures to be installed at location as shown. All existing wire powering and controlling light fixtures, all existing light switches, and all existing light switch cover plates to be replaced with proposed wire, proposed light switches, and proposed cover plates as shown. Existing light fixture located on southeast corner of Switchgear Building to be removed and not replaced. Existing light switches not replaced with proposed light fixture conduits can be utilized; however, Contractor responsible for any additional conduit required for a complete and workable system at no additional cost to Owner. All existing exposed conduits not utilized to also be removed.
  - All existing removed equipment to become property of Contractor per Owner's discretion.
  - Proposed conduits to be routed on underside of Control Building floor and stubbed-up into appropriate panels.
  - Proposed conduits to be routed into existing pull boxes as shown. Existing conduits routed into existing pull boxes to be coordinated with proposed conduit installation as required.
  - Electrical pull box to be 1-foot by 18-inch minimum with depth coordinated with respective below grade conduit. Pull box to include cast iron traffic cover marked "ELEC." and sump with size as required per manufacturer's recommendations. Top of pull box to be installed 1 inch above finished grade. Manufacturer of pull box to be Brooks or Dalworth-Quickest.
  - Light switch, exposed conduit, and appurtenances to be removed.

**PLAN ABBREVIATIONS**

a	CIRCUIT DESIGNATION
b	RELATING LIGHT FIXTURE
c	WITH ASSOCIATED LIGHT SWITCH
BFV	BUTTERFLY VALVE
BTD	BEARING TEMPERATURE DETECTOR
DH	DISCHARGE HEADER
DP&L	DALLAS POWER AND LIGHT
FT	FLOW TRANSMITTER
GSR	GROUND STORAGE RESERVOIR
IMCS	INSTRUMENTATION, MONITORING, AND CONTROL SYSTEM
LP	LIGHTING PANEL
LT	LEVEL TRANSMITTER
M	MOTOR
MSCP	MOTOR STARTER CONTROL PANEL
MV	METER VAULT
P	PUMP
PP	POWER PANEL
PT	PRESSURE TRANSMITTER
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
V	VALVE
VCP	VALVE CONTROL PANEL

NO.	DATE	REVISION	APPROVED
BELTWOOD RESERVOIR EXPANSION <b>ELECTRICAL PLAN</b>			
DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS TurnerCollie & Braden Inc.			
DESIGN	R.A.B.	CONTRACT NO.	89-79
DRAWN	N.H.	FILE NO.	630 Q 700 F
TRACED			
CHECKED			
DATE			

SHEET NO. 40  
DATE 7/16/87