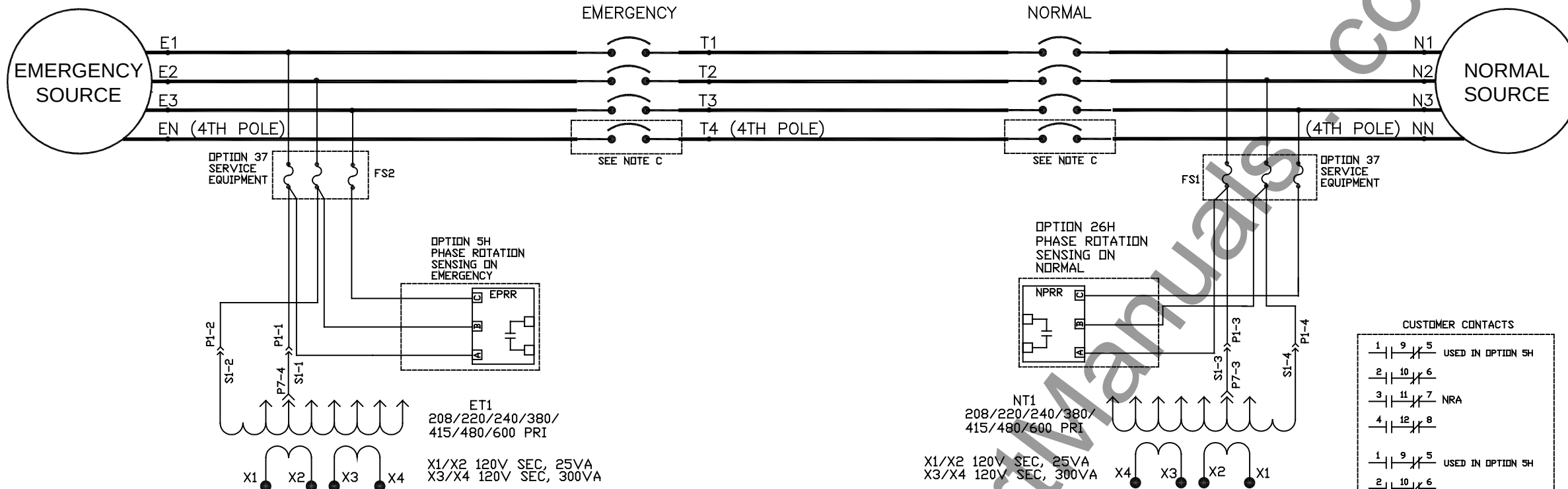
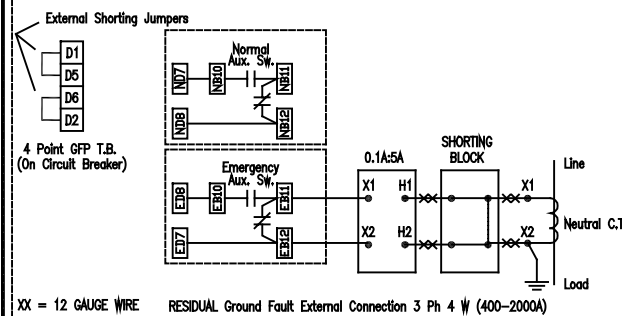




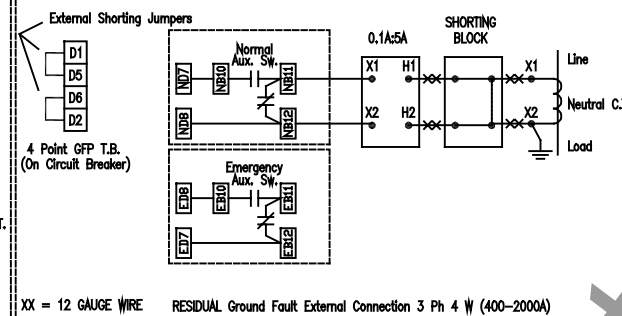
|                                                                                       |                                               |
|---------------------------------------------------------------------------------------|-----------------------------------------------|
|    | CLOSED COIL                                   |
|    | COMMON REFERENCE                              |
|    | CURRENT TRANSFORMER<br>LOCATED PER 18X OPTION |
|    | EMERGENCY ATS<br>TERMINAL BLOCK               |
|    | FEMALE CONNECTION                             |
|    | FIXED MOUNT<br>SWITCHING DEVICE               |
|    | FUSE                                          |
|    | INDICATOR LIGHT                               |
|    | MALE CONNECTION                               |
|    | MULTITAP TRANSFORMER                          |
|    | NEUTRAL G.F. SENSOR                           |
|    | N.C. SELECTOR SWITCH                          |
|    | N.C. CONTACT                                  |
|    | N.O. CONTACT                                  |
|    | N.O. PUSHBUTTON                               |
|    | N.O. SELECTOR SWITCH                          |
|    | NORMAL ATS<br>TERMINAL BLOCK                  |
|   | OPEN COIL                                     |
|  | RELAY OR TIMER, 120VAC                        |
|  | TERMINAL BLOCK                                |

OPTION 16E 400-2000A W/ GF SENSING



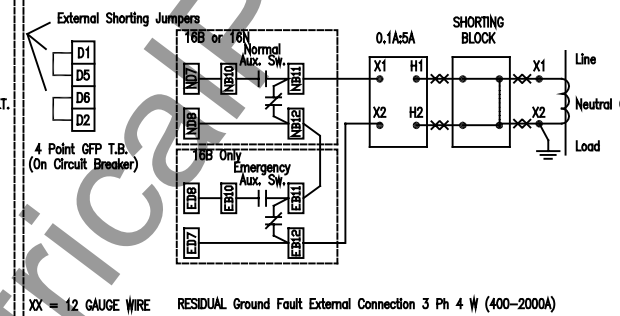
XX = 12 GAUGE WIRE RESIDUAL Ground Fault External Connection 3 Ph 4 W (400-2000A)

OPTION 16N 400-2000A W/ GF SENSING



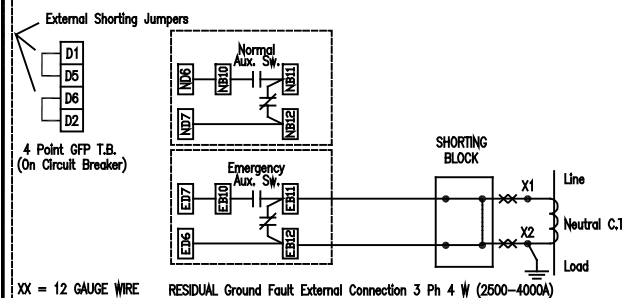
XX = 12 GAUGE WIRE RESIDUAL Ground Fault External Connection 3 Ph 4 W (400-2000A)

OPTION 16B 400-2000A W/ GF SENSING



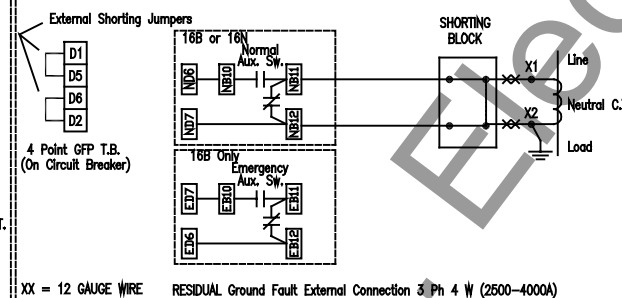
XX = 12 GAUGE WIRE RESIDUAL Ground Fault External Connection 3 Ph 4 W (400-2000A)

OPTION 16E 2500-4000A W/ GF SENSING



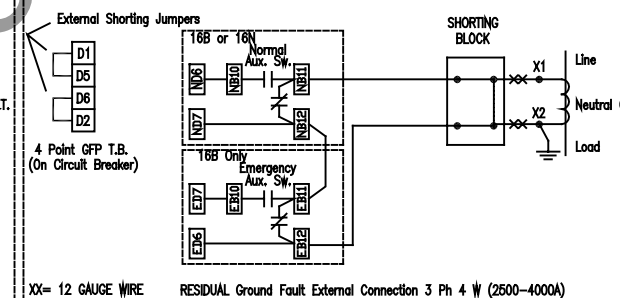
XX = 12 GAUGE WIRE RESIDUAL Ground Fault External Connection 3 Ph 4 W (2500-4000)

OPTION 16N 2500-4000A W/ GF SENSING



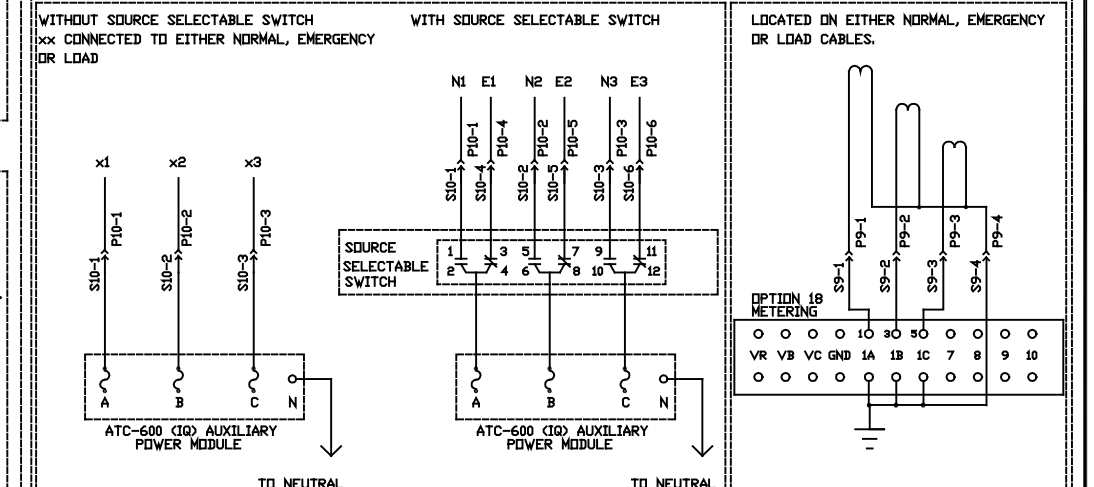
XX = 12 GAUGE WIRE RESIDUAL Ground Fault External Connection 3 Ph 4 W (2500-4000A)

OPTION 16B 2500-4000A W/ GF SENSING



XX= 12 GAUGE WIRE RESIDUAL Ground Fault External Connection 3 Ph 4 W (2500-4000)

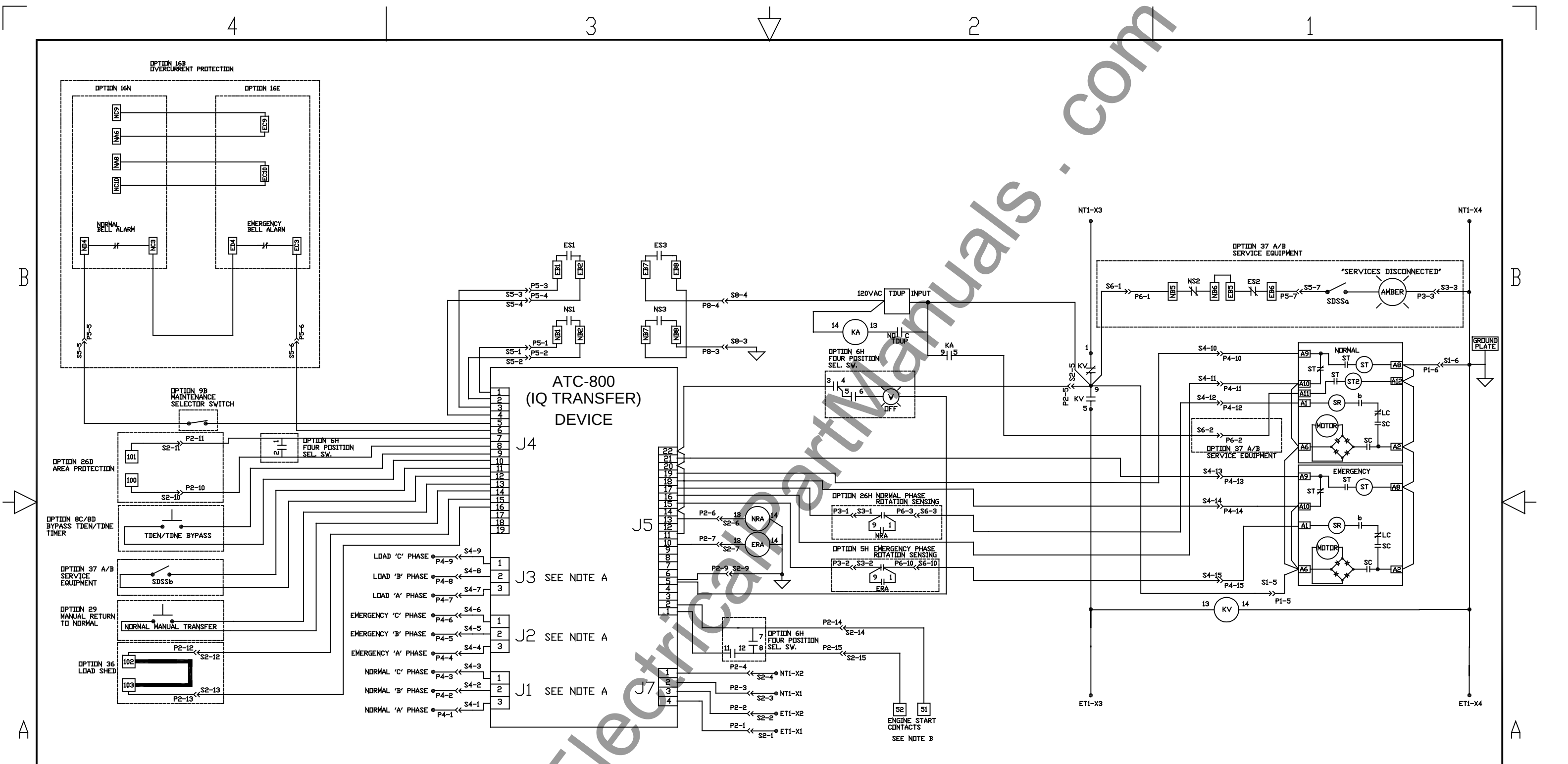
### OPTION 18 - METERING



| ATS-NEW  | 1 |
|----------|---|
| REVISION | 2 |
|          | 3 |
|          | 4 |
|          | 5 |
|          | 6 |
|          | 7 |
|          | 8 |
|          | 9 |

THE INFORMATION ON THIS DOCUMENT  
IS CREATED BY CUTLER-HAMMER.  
IT IS DISCLOSED IN CONFIDENCE  
AND IS ONLY TO BE USED FOR THE  
PURPOSE IN WHICH IT IS SUPPLIED.

|                    |  |                 |  |                                                              |  |                            |  |
|--------------------|--|-----------------|--|--------------------------------------------------------------|--|----------------------------|--|
| DFTR<br>J. MAZUR   |  | DATE<br>4/16/98 |  | Cutler-Hammer                                                |  | BEAVER PLANT, BEAVER, PA   |  |
| APPD<br>J.R.FARLS  |  | DATE            |  | TITLE AUTOMATIC TRANSFER SWITCH<br>CTVISP(A-D) FIXED SPB ATS |  |                            |  |
| APPD<br>K. CHISLER |  | DATE            |  | TYPE<br>CLOSED TRANSITION EQUIPMENT                          |  | DWG TYPE<br>WIRING DIAGRAM |  |
| REVISION<br>9      |  | DWG SIZE<br>B   |  | G.O.                                                         |  | DWG<br>68B2509             |  |
|                    |  |                 |  |                                                              |  | SHEET<br>1 OF 2            |  |



EPRR - EMERGENCY PHASE ROTATION RELAY  
ERA - EMERGENCY AUXILIARY RELAY  
ERB - EMERGENCY AUXILIARY RELAY  
ESx - EMERGENCY AUXILIARY SWITCH  
ETx - EMERGENCY TRANSFORMER  
Ex - EMERGENCY CUSTOMER CONNECTION  
FSx - FUSE HOLDER  
IQSS - IQ SELECTOR SWITCH  
KA - PARALLELED ALARM RELAY  
KV - VOTING RELAY  
NPRR - NORMAL PHASE ROTATION RELAY  
NRA - NORMAL AUXILIARY RELAY  
NSx - NORMAL AUXILIARY SWITCH  
NTx - NORMAL TRANSFORMER  
Nx - NORMAL CUSTOMER CONNECTION  
Px - FEMALE CONNECTOR  
SDSS - SERVICE DISCONNECT SELECTOR SWITCH

### LEGEND & NOTES

SDSSx - SDSS CONTACT  
SR - SPRING RELEASE  
ST - SHUNT TRIP  
Sx - MALE CONNECTOR  
TDUP - TIME DELAY UTILITY PARALLEL  
Tx - LOAD CUSTOMER CONNECTION

NOTE A: PHASE CONNECTIONS TO IQ ARE ON LOAD SIDE OF FSx IF SERVICE EQUIPMENT OTHERWISE, CONNECTED TO MAIN TERMINALS  
NOTE B: TERMINALS ARE TO BE CONNECTED TO REMOTE START CONTACT FROM GENERATOR  
NOTE C: NEUTRAL SWITCHED ON 4 POLE DEVICE

| OPTION 6H<br>FOUR POSITION SEL. SW. |   |   |   |   |   |
|-------------------------------------|---|---|---|---|---|
|                                     | 1 | 2 | 3 | 4 | 5 |
| TEST                                | X |   |   |   | X |
| AUTO                                |   | X |   |   | X |
| OFF                                 |   |   | X |   |   |
| ENG. RUN                            |   | X |   | X | X |

|                                                              |            |                          |             |
|--------------------------------------------------------------|------------|--------------------------|-------------|
| <b>Cutler-Hammer</b>                                         |            | BEAVER PLANT, BEAVER, PA |             |
| TITLE AUTOMATIC TRANSFER SWITCH<br>CTVISP(A-D) FIXED SPB ATS |            |                          |             |
| TYPE CLOSED TRANSITION EQUIPMENT                             |            | DWG TYPE WIRING DIAGRAM  |             |
| REVISION 9                                                   | DWG SIZE B | G.O.                     | DWG 68B2509 |
|                                                              |            | SHEET 2 OF 2             |             |