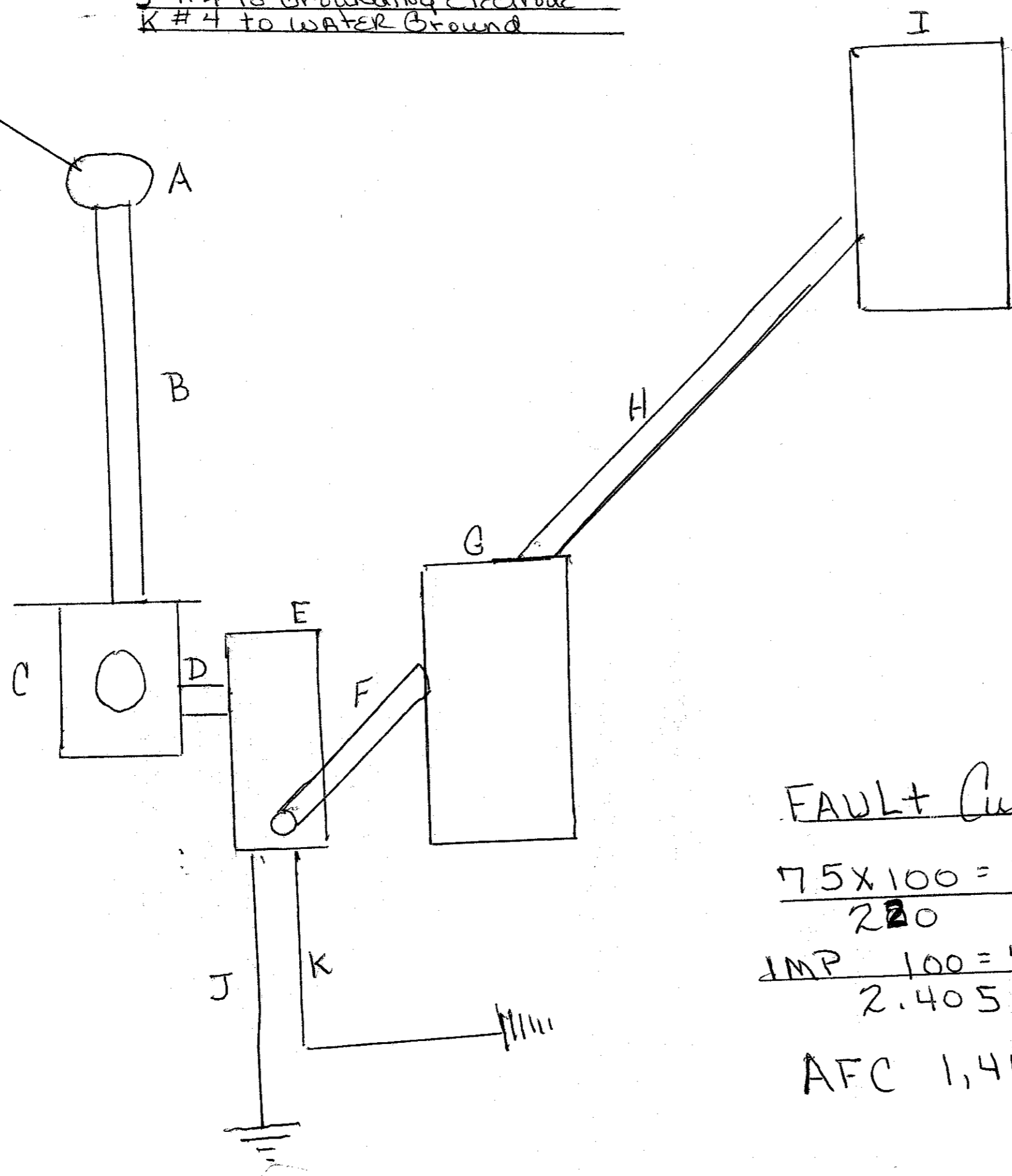


El Paso's
Pole Mounted
Transformer

- A 3 inch WEATHER HEAD
- B 3 inch Rigid Conduit with 3-4Ø
- C 200AMP Single Phase METER CAN
- D 2 inch Rigid Nipple with 3-3Ø #1-#4
- E Raintight 200AMP MAIN Switch
- F 2 inch Rigid Nipple with 3-3Ø #1-#4
- G S/D 200amp IN DOOR MAIN Lug Panel 40 SPACE
- H 1/2 EMT with 3-#2 & 1-#6
- I IN DOOR 100AMP MAIN Lug Panel S/D 32 SPACE
- J #4 to Grounding Electrode
- K #4 to WATER Ground



Sub PANEL B

PANEL	SCHEDULE
2 GEN REC	GEN REC 1
4 GEN REC	GEN REC 3
6 LIGHTING	GEN REC 5
8 LIGHTING	LIGHTING 7
10	9
12	11

(Note: The table content is crossed out with a large 'X' and the word 'SUBPANEL' is written across it.)

FAULT CURRENT

$$\frac{75 \times 100 = 34}{220}$$

$$\frac{1MP \quad 100 = 41.58}{2.405}$$

AFC 1,414 Amps

LOAD Calculations

Lighting	2200
RECEPTILES	4500
AC	1800
WATER HEATER	3500

F.L.C 13,500
FLA 61.5 Amps

(Note)
Receptiles 18" AFF
Switches 48" to Top AFF

**REMODEL OF OLD RE (SOUTH) WING
UNITARIAN UNIVERSALIST CHURCH OF LAS CRUCES**

SCALE: 3/16" = 1'-0" APPROVED BY: _____ DRAWN BY: _____
DATE: 9/20/05 REVISED: _____

2000 S. SOLANO

ELECTRICAL (CONTINUED) DRAWING NUMBER: 4 of 4