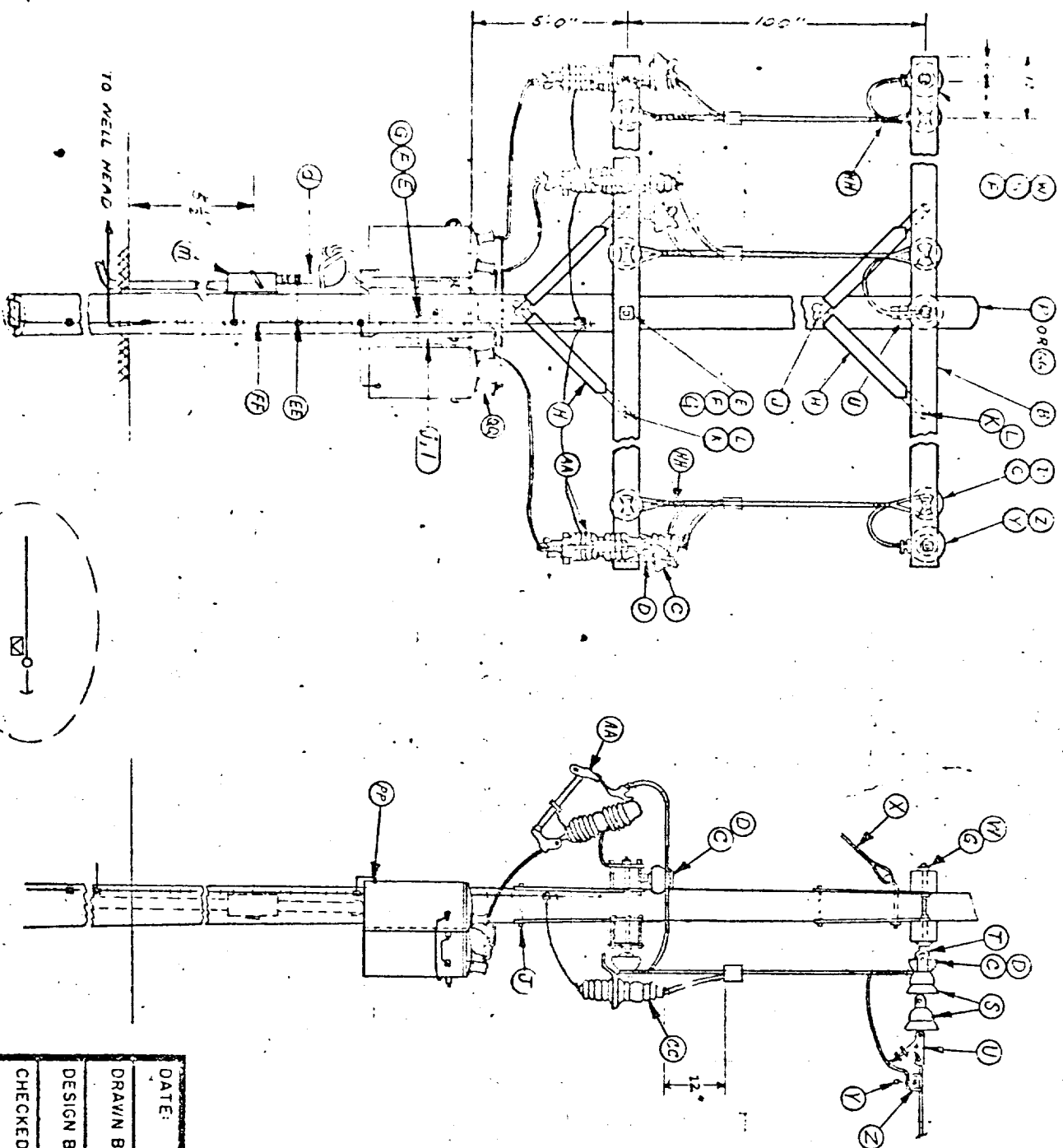






| ITEM   | QTY | REF           |
|--------|-----|---------------|
| A      | 4   |               |
| C      | 5   |               |
| D      | 7   |               |
| E      | 3   |               |
| F      | 24  |               |
| G      | 12  |               |
| H      | 8   |               |
| J      | 4   |               |
| K      | 8   |               |
| L      | 8   |               |
| Per 56 | 1   | ES-1A, NOTE 5 |
| S      | 6   |               |
| T      | 3   |               |
| U      | 3   |               |
| W      | 5   |               |
| X      | 1   |               |
| Y      | 3   |               |
| Z      | 3   |               |
| AA     | 3   |               |
| CC     | 3   |               |
| EE     | 8   |               |
| FF     | 1   |               |
| HH     | 6   |               |
| J      | 1   | ES-1A, NOTE 2 |
| MM     | 1   |               |
| PP     | 3   |               |
| QA     | 5   |               |

# NOTE:

1. CENTER PHASE ON PANK WILL HAVE EPOXY INSULATOR, KEARNLEY # 323015-24 INS. (REF.-REFER TO DRAW. EG-28)

2. ALL WIRE FROM POINT "U" WILL BE INSULATED TYPE WIRE ON TRANSFORMER PANK.

|              |          |                  |                                         |
|--------------|----------|------------------|-----------------------------------------|
| DATE:        | 12-13-71 | TITLE:           | ES-1A, NOTE 5, 28, 7A, 1PH TRANS. MOUNT |
| DRAWN BY:    | AKO      | PRIM. DEAD-END:  | 18500/480V AGSR                         |
| DESIGN BY:   | AKO      |                  |                                         |
| CHECKED BY:  |          | PRODUCTION DEPT. | CONOCO                                  |
| APPROVED BY: |          | HOBBS DIVISION   |                                         |
| SCALE:       | NONE     | JOB:             |                                         |
|              |          | DRAWING NO:      | ES-9                                    |
|              |          |                  | ELEC SPECS                              |

| ITEM | DESCRIPTION                                                                       | A. B. QUANTITY NO. | QUANTITY NO. | OTHER<br>MFRS. NO.  | NO.<br>SUB. |
|------|-----------------------------------------------------------------------------------|--------------------|--------------|---------------------|-------------|
| A    | 35' class 6 creosoted pine pole                                                   |                    |              |                     |             |
| B    | 3 1/2" x 4 1/2" x 8' treated crossarm                                             |                    |              |                     |             |
| C    | high density wet process porcelain pin insulator                                  |                    | 463          |                     |             |
| D    | 5/8" x 5" forged steel pin w/sq. washer, nut, & locknut                           | 881                |              |                     |             |
| E    | 5/8" x 12" machine bolt w/ nut (or length req'd)                                  | 881/2              |              |                     |             |
| F    | 2 1/4" x 2 1/4" x 3/16" x 11/16" hole sq. washer                                  | 681/3              |              |                     |             |
| G    | 5/8" w/ locknut                                                                   | 351/2              |              |                     |             |
| H    | 1/4" x 1 1/4" x 28" flat crossarm brace                                           | 71/28              |              |                     |             |
| I    | 1/2" x 4" E7 Fetter Drive Lag Screw                                               | 508754             |              |                     |             |
| J    | 3/8" x 4 1/2" carriage Bolt w/ Nut                                                | 8634 1/2           |              |                     |             |
| K    | 3/8" w/ locknut                                                                   | 3510               |              |                     |             |
| L    | Preformed Aluminum Alloy Armor Rods, size req'd                                   |                    |              |                     |             |
| M    | tie wire #6 strong alum. alloy                                                    |                    |              |                     |             |
| N    | Epoxy Insulator (Extension Link)                                                  |                    |              | KEARNEY #321025660  | X           |
| O    | 35' class 5 creosoted pine pole                                                   |                    |              |                     |             |
| P    | Aluminum double tab Squeeze on Connector for A SR, Aluminum, or Copper-size req'd |                    |              | KEARNEY SERIES "81" | X           |
| Q    | 6" Suspension Insulator                                                           | 66200              |              |                     |             |
| R    | 5/8" standard Oval Eye Nut                                                        | 6502               |              |                     |             |
| S    | Primary Head End Clamp                                                            |                    | 14050        |                     |             |
| T    | 5/8" x 18" (or length req'd) Double Arming Bolt w/4 sq. nuts                      | 8868               |              |                     |             |
| U    | For line detail - see dwg. No. ES-10 for specs.                                   |                    |              |                     |             |
| V    | Squeeze on basket, size required                                                  | 51520AGP           |              | KEARNEY             | X           |

|                     |  |                                                  |  |
|---------------------|--|--------------------------------------------------|--|
| DATE: 12-27-71      |  | TITLE: DESCRIPTION MATERIALS                     |  |
| DRAWN BY: E. WINTER |  | <div>CCNCCO</div> PRODUCTION DEPT. HOBS DIVISION |  |
| DESIGN BY:          |  |                                                  |  |
| CHECKED BY:         |  |                                                  |  |
| APPROVED BY:        |  | JOB: ELEC SPECS                                  |  |
| SCALE: NONE         |  | DRAWING NO: ES-1                                 |  |
|                     |  | SHEET 1 OF 3                                     |  |

| ITEM | DESCRIPTION                                                                                                     | A. B. CHANGE NO. | JOSLYN NO. | OTHER<br>MFRS. NO.                       | NO<br>SUB. |
|------|-----------------------------------------------------------------------------------------------------------------|------------------|------------|------------------------------------------|------------|
| AA   | Primary Cutout - 100 amp, 15 KV, 16000 amp Int. cap.                                                            | F2XX1015G        |            |                                          | X          |
| AB   | General Purpose "H" bolt clamp                                                                                  | UC510AGP         |            |                                          |            |
| AC   | Lightning arrestor, 10 KV                                                                                       |                  |            |                                          |            |
| AD   | single phase oil switch, 14.4 KV                                                                                |                  |            | MOORE-EDISON KVMC2<br>BLACKBURN H SERIES |            |
| AE   | split bolt connector, size req'd                                                                                |                  |            |                                          |            |
| AF   | grounding spec. see dwg No. ES-11 & ES-1A, Note 3                                                               |                  |            |                                          |            |
| AG   | 35' class 4 creosoted pine pole                                                                                 |                  |            |                                          |            |
| AH   | Aluminum deadend preforms for ACSR, size req'd                                                                  |                  |            |                                          |            |
| AI   | 30' class 6 creosoted pine pole                                                                                 |                  |            |                                          |            |
| AV   | 600 GRND GRND, #4 ACSR - If Req'd - Ref. Dwg ES-11,<br>ES-1A - Note 3                                           |                  |            |                                          |            |
| IL   | ground connector, motor                                                                                         |                  |            |                                          |            |
| IM   | 600 V. secondary lightning arrestor single phase                                                                |                  |            | BURNDY KC-22                             | X          |
| NN   | Greenfield type SF liquid-tight flexible steel<br>conduit, size req'd, w/ necessary liquid-tight<br>connectors. |                  |            |                                          |            |
| OO   | req'd size 1/8 fitting & cover & gasket                                                                         |                  |            |                                          |            |
| PP   | transformer tank grounding terminal                                                                             | GW5-15           |            |                                          |            |
| QQ   | Bird Guards (insulating boots on transformer bushings)                                                          |                  |            | WESTINGHOUSE<br>54224100005              |            |

|                     |  |                                                                                                                              |                |
|---------------------|--|------------------------------------------------------------------------------------------------------------------------------|----------------|
| DATE: 12-27-71      |  | TITLE: DESCRIPTION MATERIAL                                                                                                  |                |
| DRAWN BY: E. WINTER |  | <div style="text-align: center;">  </div> |                |
| DESIGN BY:          |  |                                                                                                                              |                |
| CHECKED BY:         |  |                                                                                                                              |                |
| APPROVED BY:        |  |                                                                                                                              |                |
| SCALE: NONE         |  | PRODUCTION DEPT.                                                                                                             | HOBBS DIVISION |
| JOB: ELEC SPECS     |  | DRAWING NO.: ES-1                                                                                                            |                |
|                     |  | SHEET 2 OF 3                                                                                                                 |                |

| ITEM | DESCRIPTION                                                                                                                                                                                                     | A. B. CHANCE NO.  | JOSLYN NO. | OTHER<br>MFRS. NO. | NO<br>SUB. |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------|--------------------|------------|
| a    | double upset bolt s/sq. nut, round washer, and cotter key on short end, sq. nut and NF locknut on long end, 15 1/8" long (or length required.) wet process porcelain secondary spool insulator, 3", brown glaze | 7828              | 1101       |                    |            |
| b    | required size conduit w/ servicehead(s) & req'd size & rated insulated conductors. Ref. Dwg ES-1B<br>Note: provide clamp and ground conduit parallel groove clamp, size req'd                                   |                   |            | BURNDY SERIES "UC" |            |
| d    | secondary insulator clevis for 4" insulator                                                                                                                                                                     |                   |            |                    |            |
| e    | 5/8" thimble nut                                                                                                                                                                                                | 6510              |            |                    |            |
| h    | 5/8" x 12" (or length req'd) straight thimbleye bolt w/sq. nut                                                                                                                                                  | 5512              |            |                    |            |
| j    | transformer cluster mount bracket (small)                                                                                                                                                                       |                   |            | ALUMA-FORM 6M3-6   | X          |
| l    | transformer cluster mount bracket (large)                                                                                                                                                                       |                   |            | ALUMA-FORM 15M3-6  | X          |
| m    | req'd size raintight disconnect & fuses, 3-phase, 600 V. Ref. Dwg No. ES-1B                                                                                                                                     |                   |            |                    |            |
| n    | 16" cross plate anchor (or size req'd)                                                                                                                                                                          | X-16              |            |                    |            |
| q    | 8-way expanding anchor (size req'd)                                                                                                                                                                             | 88135             |            |                    |            |
| c    | 4" brown glaze wet process porcelain secondary spool insulator                                                                                                                                                  |                   | 10101      |                    |            |
| u    | 5/8" x 7' thimbleye anchor rod w/nut (use twineye 1f req'd - Change No. 5367)                                                                                                                                   | 5317 (NUT 55006P) |            |                    |            |
| aa   | 3/8" high strength guy strand (10,800 lb.)                                                                                                                                                                      |                   |            |                    |            |
| bb   | preforced guy pipe for 3/8" guy strand                                                                                                                                                                          |                   |            |                    |            |
| di   | 5/8" x 10" angle thimbleye bolt w/nut                                                                                                                                                                           | 5010              |            |                    |            |
| ee   | 3"x3"x1/4"x11/16" hole curved washer                                                                                                                                                                            | 6823 1/2          |            |                    | X          |
| ff   | 6" - guy clamp w/3-1/2" bolts                                                                                                                                                                                   |                   |            |                    |            |
| rr   | medium size strain insulator                                                                                                                                                                                    |                   |            |                    |            |
| hh   | serving sleeve for 3/8" guy strand                                                                                                                                                                              | 6454              |            |                    |            |
| jj   | 3/16" x 2-1/2" x 7" lift plate                                                                                                                                                                                  | 7887              |            |                    | X          |
| nn   | pole bottom ground plate (may use butt-wrapp if desired)                                                                                                                                                        |                   |            |                    |            |
| qq   | Ground connection (See Dwg. ES-1A)                                                                                                                                                                              |                   |            |                    |            |
| rr   | wet process porcelain secondary spool insulator, 3" - white glaze                                                                                                                                               |                   |            |                    |            |
| tt   | wet process porcelain secondary spool insulator, 4" - white glaze                                                                                                                                               |                   |            |                    |            |

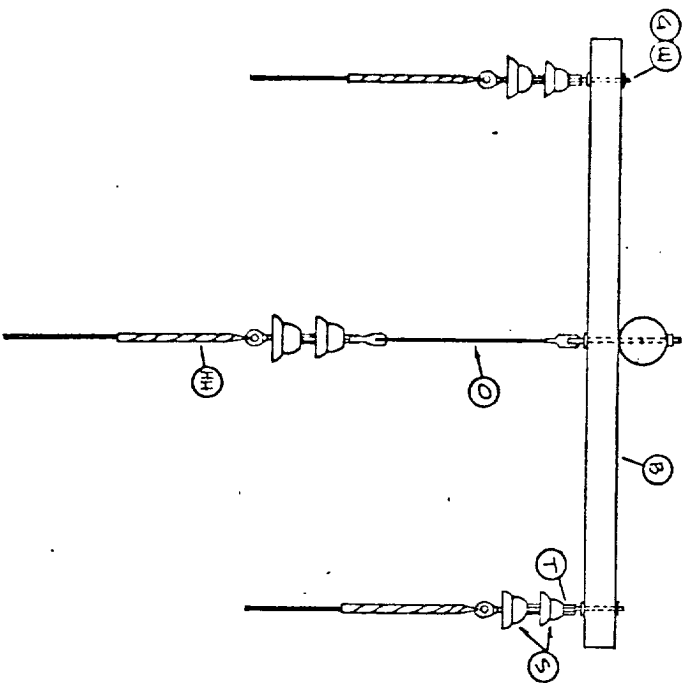
|                     |  |                                                                       |  |
|---------------------|--|-----------------------------------------------------------------------|--|
| DATE: 12-27-71      |  | TITLE: DESCRIPTION MATERIALS                                          |  |
| DRAWN BY: E. WINTER |  | <div>CONOCO</div> HOBBS DIVISION<br>DRAWING NO.: ES-1<br>SHEET 3 OF 3 |  |
| DESIGN BY:          |  |                                                                       |  |
| CHECKED BY:         |  |                                                                       |  |
| APPROVED BY:        |  |                                                                       |  |
| SCALE: NONE         |  | PRODUCTION DEPT.<br>JOB: ELEC SPECS                                   |  |



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| ITEM | QTY |
|------|-----|
| B    | 1   |
| C    | 3   |
| HH   | 3   |
| O    | 1   |
| S    | 6   |
| T    | 2   |
| W    | 3   |

NOTE:  
FOR MATERIALS, SEE  
DRAWING, ES-1

|                      |  |                                                                                                              |                |
|----------------------|--|--------------------------------------------------------------------------------------------------------------|----------------|
| DATE: 7-15-77        |  | TITLE:                                                                                                       |                |
| DRAWN BY: I. MORTILL |  | EPOXY INSULATOR (EXTENSION LINK)                                                                             |                |
| DESIGN BY:           |  | <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">CONOCO</div> |                |
| CHECKED BY: SK       |  |                                                                                                              |                |
| APPROVED BY: SK      |  |                                                                                                              |                |
| SCALE: 1/2" = 1"     |  | PRODUCTION DEPT.                                                                                             | HOBBS DIVISION |
|                      |  | JOB:                                                                                                         | DRAWING NO:    |
|                      |  | ELEC. SPECS.                                                                                                 | ES-28          |

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HOBBBS, N. M.