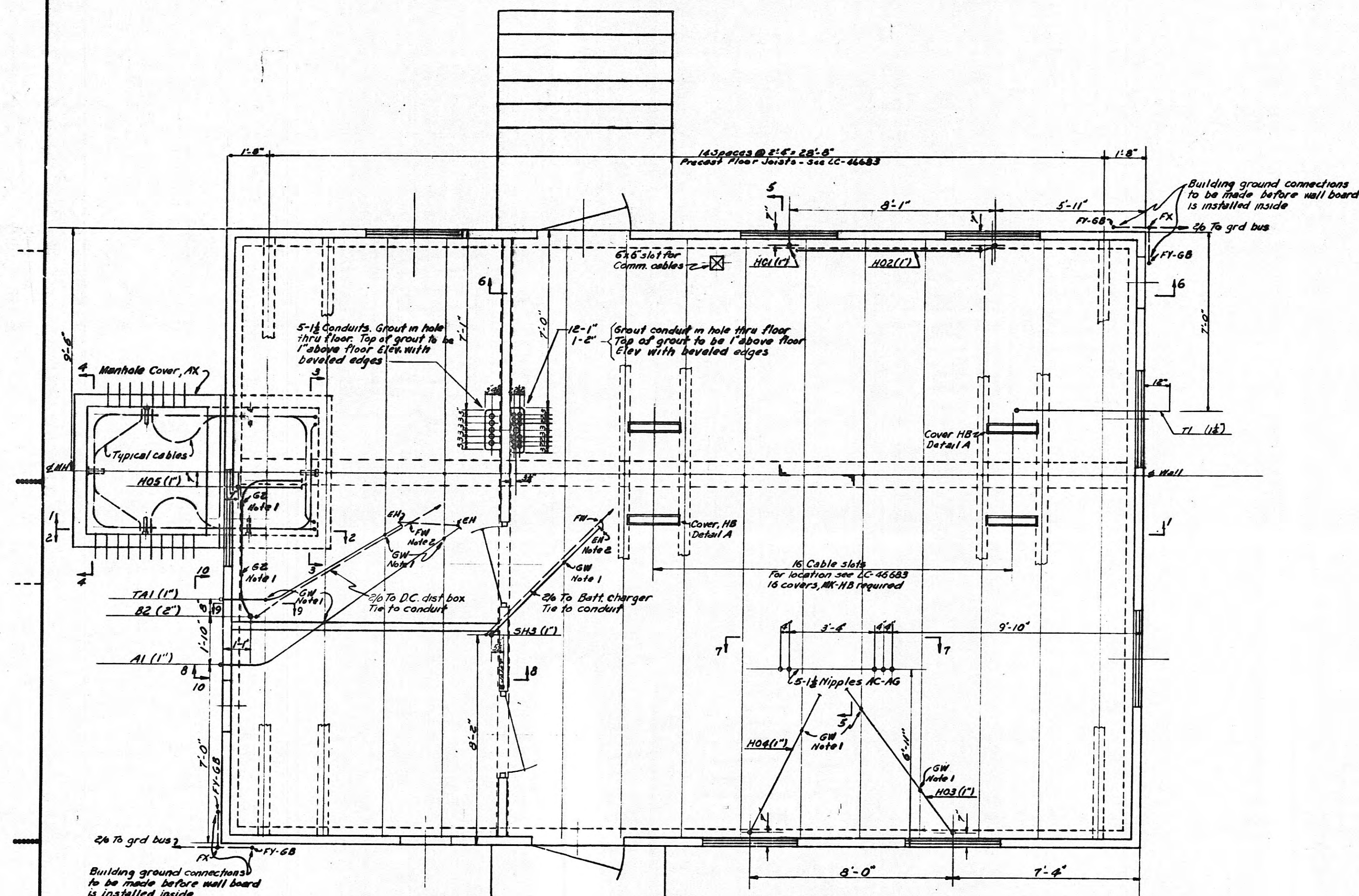
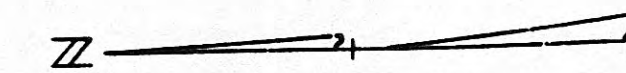


25990-27



PLAN

NOTES  
 1. Field attach with threaded stud driven with "HILTI" power drive tool  
 2. Connect grounding bushing to grd. bus with one strand of 2# wire

- REFERENCES
- Bill of Material ———— BMC-46653
  - Conduit and Cable List ———— CMC-46654
  - Sw. House Gen. Arrangement Plan ———— LC-46651
  - Sw. House Bldg. Plan Details ———— LC-46652
  - Outdoor Conduit and Lighting ———— LC-46654
  - Concrete Details of Manhole ———— LC-46652

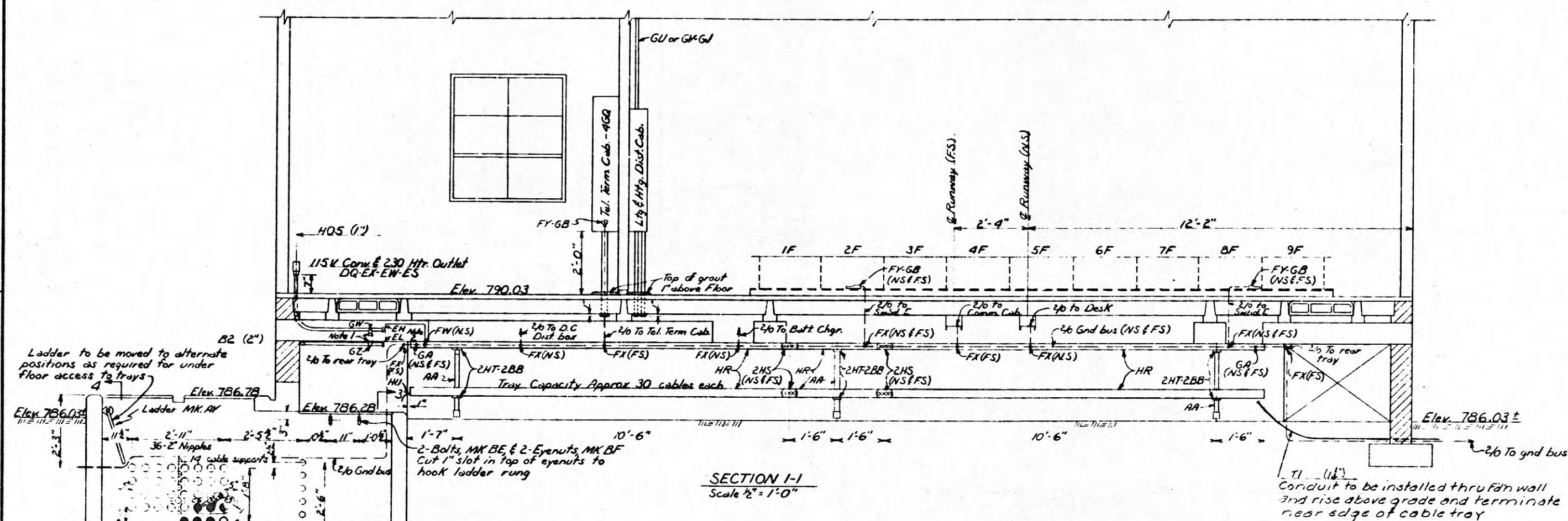
TENNESSEE VALLEY AUTHORITY  
 DIVISION OF POWER PLANNING AND ENGINEERING  
 HARRIMAN TENN SUBSTATION-161KV  
 SWITCH HOUSE CONDUIT AND LIGHTING  
 PLAN AND DETAILS

|                                                       |      |               |            |      |            |      |             |         |             |
|-------------------------------------------------------|------|---------------|------------|------|------------|------|-------------|---------|-------------|
| SWITCH HOUSE CONDUIT AND LIGHTING<br>PLAN AND DETAILS |      |               |            |      |            |      |             |         |             |
| NO.                                                   | DATE | WORK<br>ORDER | ISSN       | ISSN | CHKD       | APPD |             |         |             |
| ISSN                                                  | BAH  |               | NUMBER-724 |      | V.O. 36081 |      |             |         |             |
| DATE                                                  | BAH  |               |            |      | FROM ISSN  |      | DATE        | 7-19-66 | BY          |
| CHKD                                                  | ACK  |               |            |      |            |      | DATE        | 7-19-66 | BY          |
|                                                       |      |               |            |      |            |      | CLARK CODE  | C504    |             |
|                                                       |      |               |            |      |            |      | SHEET       | 1       | OF 4 SHEETS |
|                                                       |      |               |            |      |            |      | LC-46652-20 |         |             |

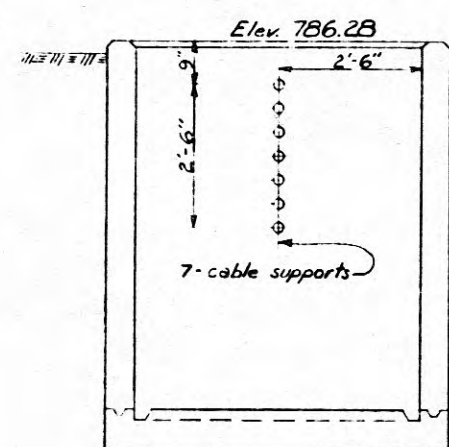
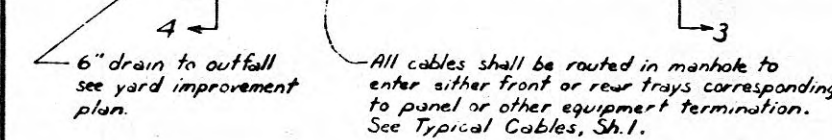
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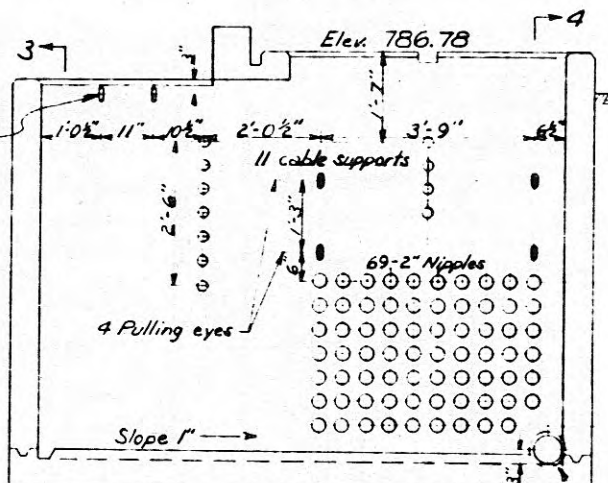
LC-46652



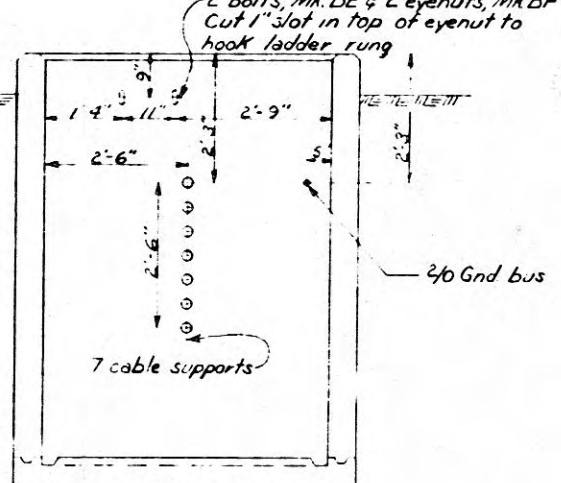
For concrete details of  
Manhole see LC-46682



### SECTION 3-3

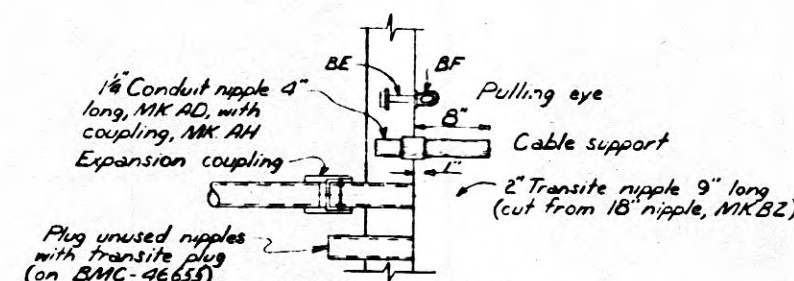


SECTION 2-0



#### SECTION 4-4

- NOTES:
1. Field attach with threaded stud driven with MILTi<sup>®</sup> power drive tool.
  2. Connect grounding bushing to gnd bus with one strand of 40 wire
  3. The top trays are used for cables between panels and other  
Sw Hse local cables. The bottom trays are used for incoming cables.



DETAIL OF NIPPIES  
AND CABLE SUPPORTS  
N.T.S.  
All nipples and cable supports  
on 5" centers  
ALL NIPPLES 2" TRANSITE

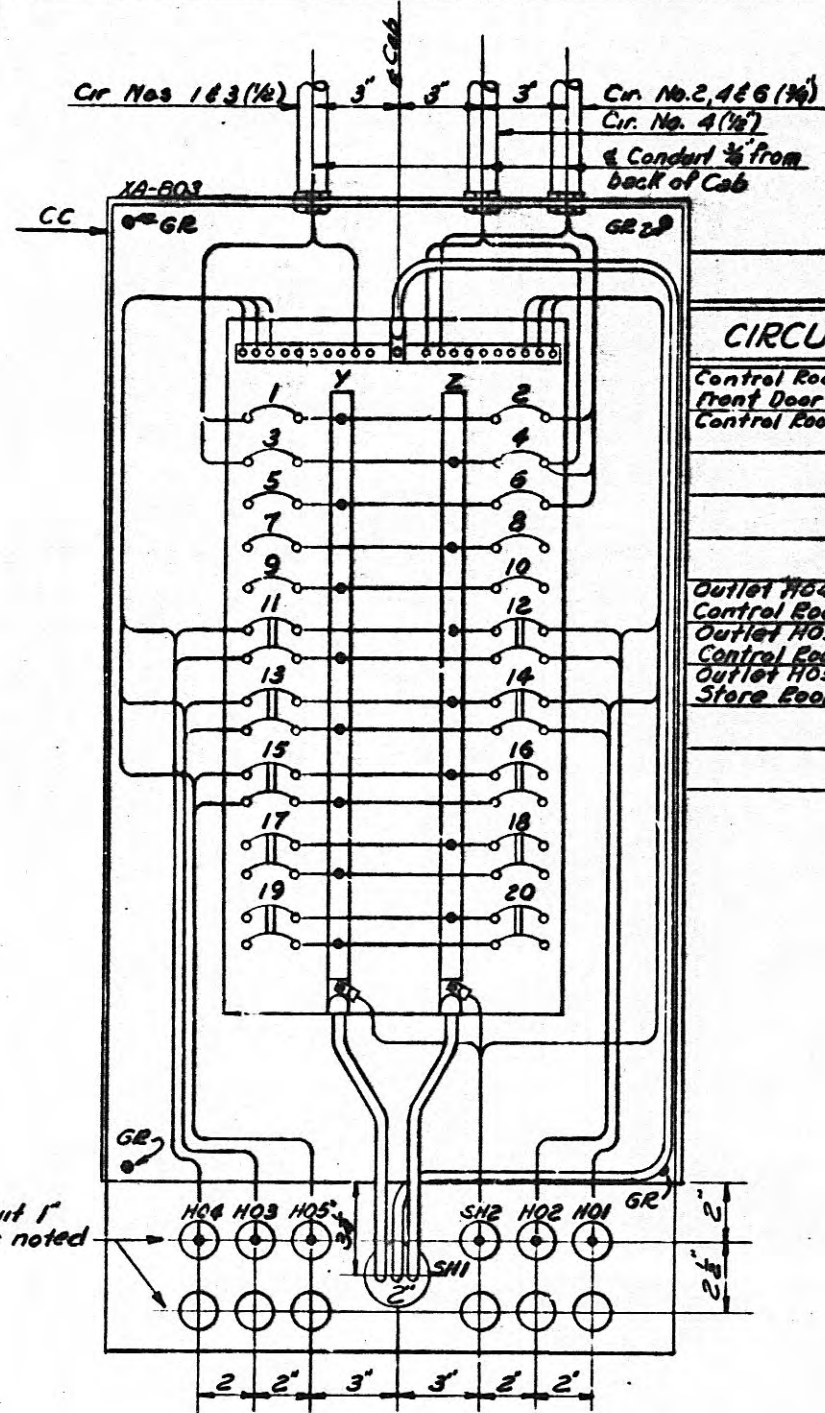
REFERENCES:  
Bill of Material \_\_\_\_\_ BMC-46653  
Conduit and Cable List \_\_\_\_\_ CMC-46656

**TENNESSEE VALLEY AUTHORITY**  
DIVISION OF POWER PLANNING AND ENGINEERING  
*HARRIMAN, TENN. SUBSTATION-161 KV.  
SWITCH HOUSE CONDUIT AND LIGHTING  
PLAN AND DETAILS*

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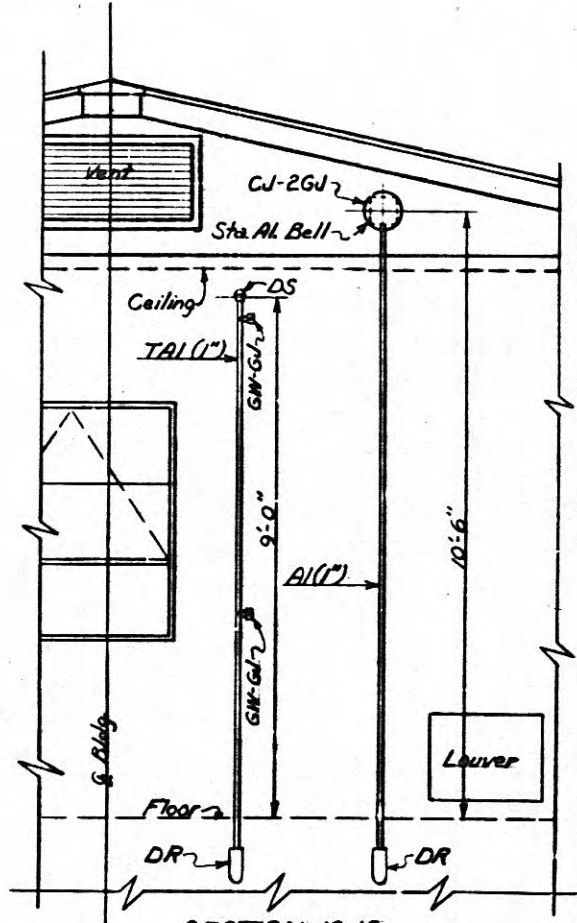
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25999-71

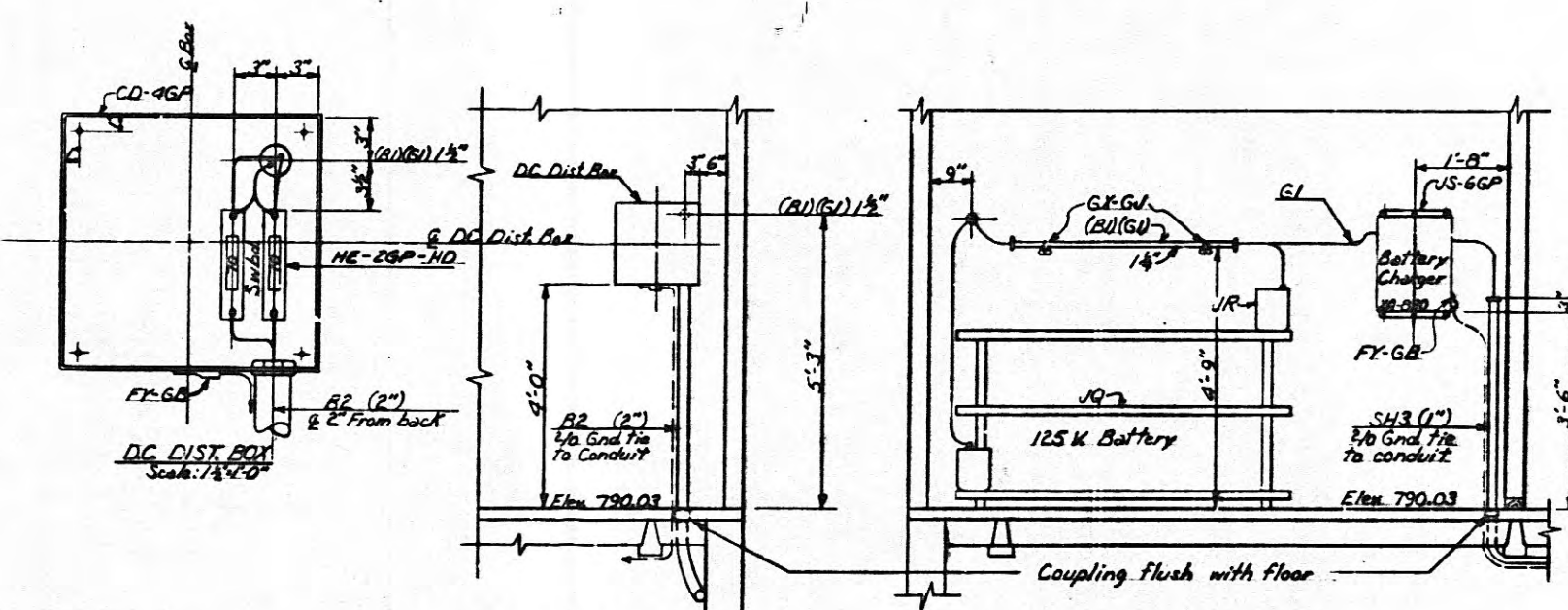


| DIRECTORY                          |       |                                        |
|------------------------------------|-------|----------------------------------------|
| CIRCUIT                            | SW NO | CIRCUIT                                |
| Control Room and Front Door Lights | 1     | Vent Fan, Control Room                 |
| Control Room Lights                | 3     | Store Room Battery Board Rear Door Lg. |
|                                    | 5     | Rear Panel Lights                      |
|                                    | 7     |                                        |
|                                    | 9     |                                        |
| Outlet H02 Control Room            | 11    | Outlet H01 Control Room                |
| Outlet H03 Control Room            | 13    | Outlet H02 Control Room                |
| Outlet H05 Store Room              | 15    |                                        |
|                                    | 17    |                                        |
|                                    | 19    |                                        |
|                                    | 20    |                                        |

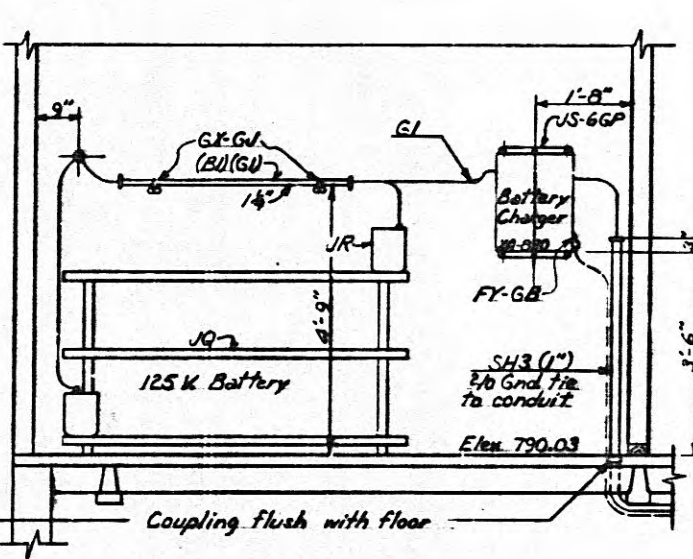
LIGHTING AND HEATING DIST. CAB. NTS



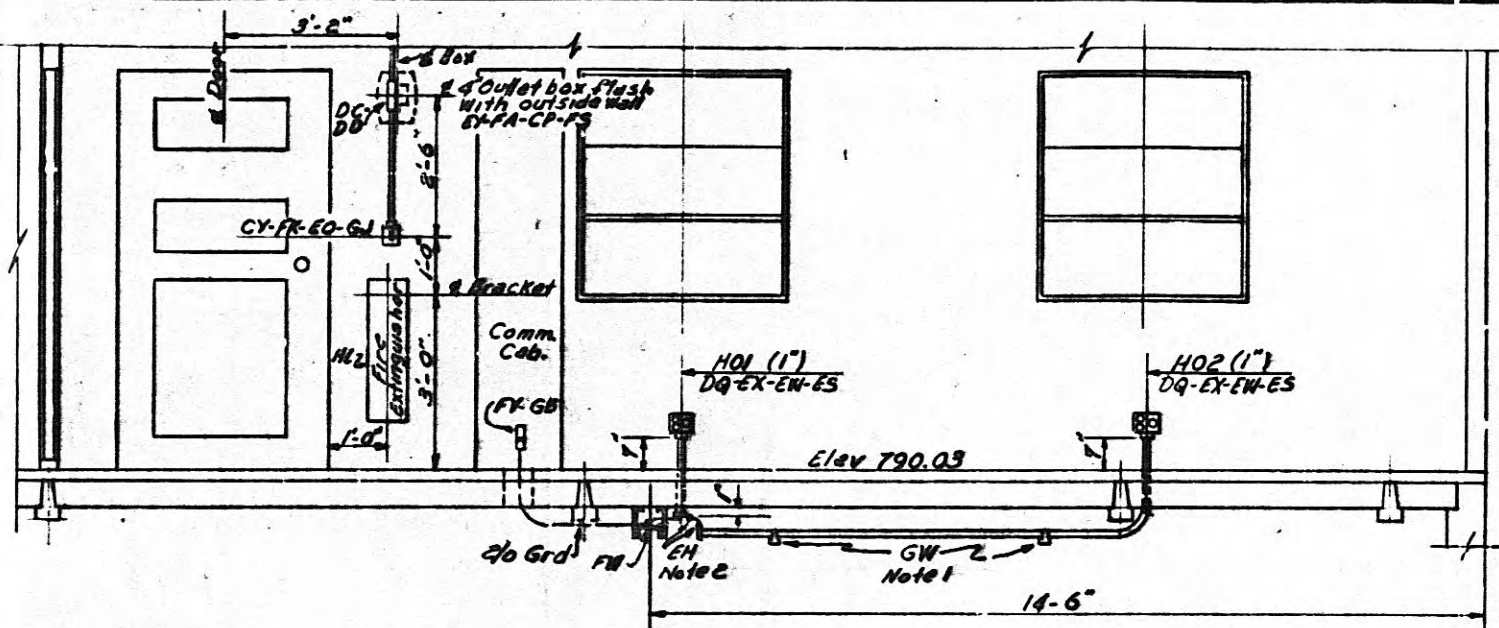
SECTION 10-10 Scale: 1/2"=1'-0"



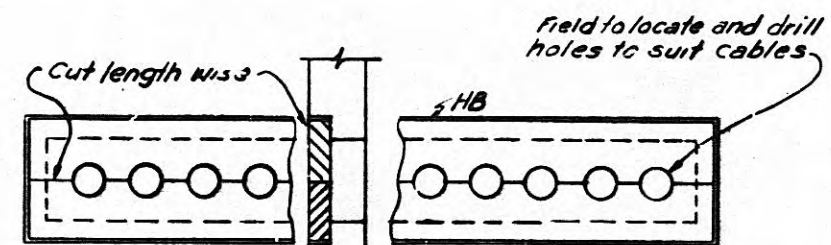
SECTION 9-9 Scale: 1/2"=1'-0"



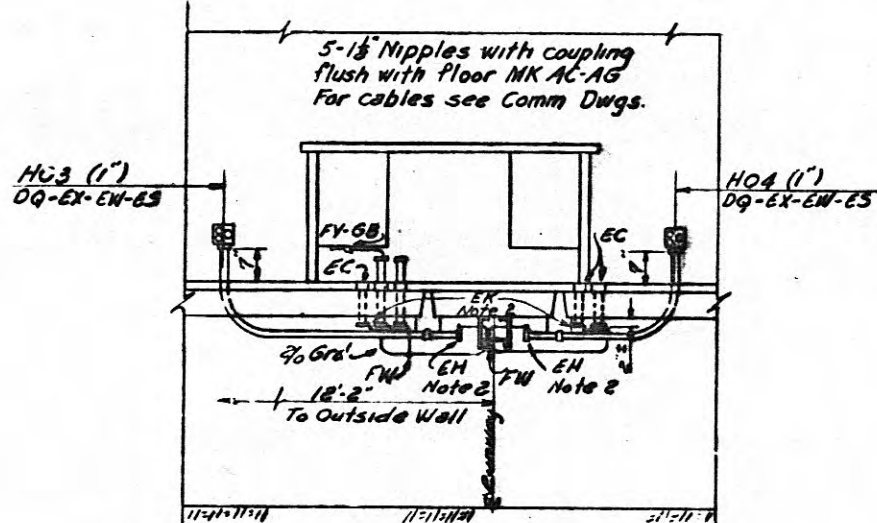
SECTION 8-8 Scale: 1/2"=1'-0"



SECTION 6-6



DETAIL A COVER FOR CABLE SLOT IN FLOOR Scale: 3/4"=1'-0"



SECTION 7-7 Scale: 3/4"=1'-0"

NOTES:  
1. Field attach with threaded stud driven with HILTI power drive tool  
2. Connect grounding bushing to grd bus with one strand of 2# wire

REFERENCES:  
Bill of Material BNC-46653  
Conduit and Cable List CMC-46654

TENNESSEE VALLEY AUTHORITY  
DIVISION OF POWER PLANNING AND ENGINEERING  
HARRIMAN, TENN. SUBSTATION-161 KV  
SWITCH HOUSE CONDUIT AND LIGHTING  
PLAN AND DETAILS

| REV. | DATE    | WORK ORDER | DESIGN | APPV. | CHG. | DATE | CLASS CODE | SCALE | CLASS CODE | SHEET 3 OF 4 SHEETS |
|------|---------|------------|--------|-------|------|------|------------|-------|------------|---------------------|
| 1    | 7-12-66 |            |        |       |      |      |            |       |            | LC-46652 R-0        |

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REFERENCES  
Bill of Material  
Conduit and Cable List

BMC-46653  
CMC-46656

## TENNESSEE VALLEY AUTHORITY

HARRIMAN TENN SUBSTATION-161KV  
SWITCH HOUSE CONDUIT AND LIGHTING  
PLAN AND DETAILS

|                                                    |         |     |      |         |      |         |      |         |      |
|----------------------------------------------------|---------|-----|------|---------|------|---------|------|---------|------|
| SWITCH HOUSE CONDUIT AND LIGHTING PLAN AND DETAILS |         |     |      |         |      |         |      |         |      |
| Rev.                                               | DATE    | BY  | CHKD | DATE    | CHKD | DATE    | CHKD | DATE    | CHKD |
| 1                                                  | 7-19-66 | BAH | BAH  | 7-19-66 | BAH  | 7-19-66 | BAH  | 7-19-66 | BAH  |
| 2                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 3                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 4                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 5                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 6                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 7                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 8                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 9                                                  | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 10                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 11                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 12                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 13                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 14                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 15                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 16                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 17                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 18                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 19                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 20                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
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| 32                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 33                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
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| 39                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |
| 40                                                 | 8-1-66  | BAH | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  | 8-1-66  | BAH  |

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