# APPLICATION & ALTERATIONS
## SHELTER ROCK ELEMENTARY SCHOOL
DANBURY, CONN.

FRANK A. LACAVA
ARCHITECT
DANBURY, CONN.

| | | |
|---|---|---|
| SCALE: AS SHOWN | REVISION: | DATE: |
| | | DWG. NO. E-2 |

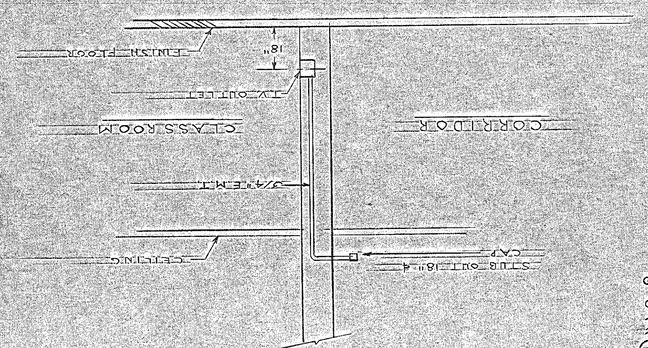
STATE OF CONNECTICUT
ROBERT F. MURTAGH
REGISTERED PROFESSIONAL ENGINEER
3874

## PANELBOARD SCHEDULE

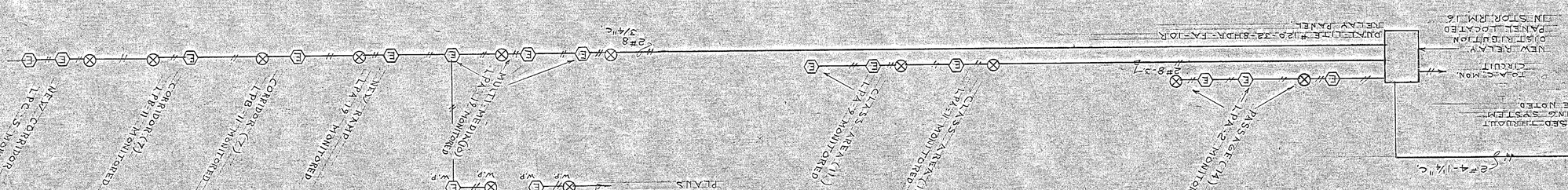
| PANEL LOCATION | POLES | FRAME | TRIP | ACTIVE SPARE | VOLTAGE | MAINS | FEEDERS | REMARKS |
|---|---|---|---|---|---|---|---|---|
| PPA | 3 | 50 | 20 | 1 | 1 | 225 AMP | 4#2/0 - 2"C | SQUARE D TYPE |
| | 1 | 50 | 20 | 1 | 1 | MAIN | | WITH A 60 AMP |
| | 1 | 50 | 20 | 7 | 7 | BRKR | | SPARE FOR FRAME FOR |
| LPA | 1 | 50 | 20 | 19 | 5 | 24 | 225 AMP | 4#2 - 1"C |
| | | | | | | MAINBUS | | TYPE - SURFACE |
| | | | | | | | | MTD. |
| PPB | 3 | 50 | 20 | 1 | 1 | 30 | 225 AMP | 4#2/0 - 2"C |
| | 2 | 50 | 20 | 2 | 1 | MAIN | | SQUARE D TYPE |
| | 1 | 50 | 20 | 15 | 3 | SPACE | | W/ 400 AMP FRAME FOR |
| | | | | | | | | W/ 200 AMP BKRS W/ 100 A |
| | | | | | | | | SUBFEED TO PPB |
| | | | | | | | | FRAME FOR SUBFEED |
| | | | | | | | | TO LPC - FLUSH MTD |
| LPB | 1 | 50 | 20 | 1/2 | 8 | 24 | 225 AMP | 4#2 - 1"C |
| | | | | | | MAIN | BUS | SQUARE D TYPE |
| | | | | | | | | FLUSH MTD |
| LPC | 1 | 50 | 20 | 9 | 9 | 125 AMP | 4#2 - 2"C | SQUARE D TYPE |
| | | | | | | MAIN | | |
| | | | | | | | BUS | SURFACE MTD |
| S | 2 | 50 | 20 | 4 | 2 | 15 | 125 A | 4#2 - 1/2"C |
| | 3 | 50 | 20 | 1 | 1 | | MAIN BUS | SQUARE D TYPE |
| | | | | | | | | SURFACE MTD |

NOTE
ALL BUSSING TO BE COPPER WITHIN PANELBOARDS
ALL BREAKERS SHALL BE BOLT-ON TYPE CO

## TYPICAL EMPTY TV SYSTEM
NOT TO SCALE




## EMERGENCY LIGHTING RISER DIAGRAM
NOT TO SCALE


2#8 3/4"C
MULTI-HEAD LTG. UNIT (1) WALL MOUNTED
EXIT SIGN WALL MOUNTED
EXIT SIGN CEILING MOUNTED
EMERGENCY LIGHTING UNIT CEILING MOUNTED
LTG. 5 WALL MOUNTED
LTG. 4 WALL MOUNTED
LTG. 3 WALL MOUNTED
LTG. 2 WALL MOUNTED
LTG. 1 WALL MOUNTED
AS SHOWN ON PLANS
#8-3 #12-3/4"C
#8-2 #12-3/4"C
#8-1 #12-3/4"C
EMERGENCY LIGHTING UNIT SHALL BE 12 VOLT, 25 WATT, SEALED LEAD BATTERY TYPE WITH AUTOMATIC TRICKLE CHARGER. UNIT SHALL BE CAPABLE OF OPERATING ALL LIGHTS CONNECTED TO IT FOR A MINIMUM OF 90 MINUTES IN THE EVENT OF POWER FAILURE. UNIT SHALL BE SUITABLE FOR WALL MOUNTING AS SHOWN ON PLANS. UNIT SHALL BE EQUIPPED WITH ALL NECESSARY CONNECTIONS, MOUNTING HARDWARE, ETC. FOR A COMPLETE INSTALLATION.
NOTE:
PROVIDE 1#12-#12-3/4"C SHUNT TRIP FEEDER FROM EACH PANEL LOCATED IN STORAGE ROOM.
SHUNT TRIP BREAKER IN PANEL LOCATED IN STORAGE ROOM.
UNLESS OTHERWISE NOTED.
NOTE:
PROVIDE 1#12-#12-3/4"C SHUNT TRIP FEEDER FROM EACH PANEL LOCATED IN STORAGE ROOM.
SHUNT TRIP BREAKER IN PANEL LOCATED IN STORAGE ROOM.
UNLESS OTHERWISE NOTED.
#8-3
#8-2
#8-1
#12-3/4"C
#12-3/4"C
#12-3/4"C
#8-2
#8-1
#8-3