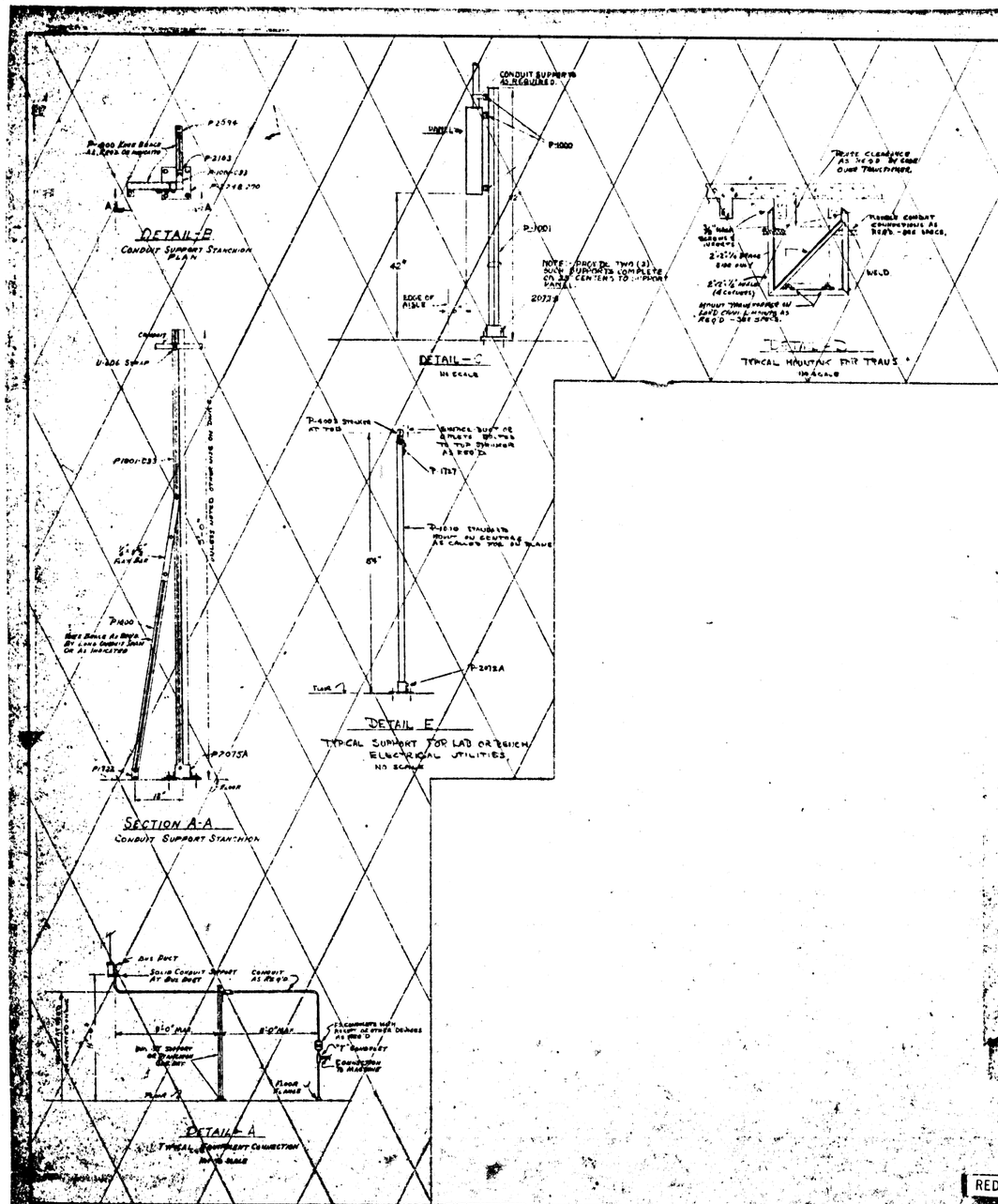


## SYMBOLS & LEGEND

- CONDUIT RUN EMBEDDED IN FLOOR SLAB, OR RUN ABOVE SUSPENDED CEILINGS
- CONDUIT RUN IMBEDDED IN CONCRETE OR BURIED IN EARTH
- CEILING LIGHT OUTLET, "W" IS FIXTURE TYPE, AND WATTAGE, AND MTD IS CONDUIT. USE SAME DESIGNATION ON OTHER LIGHT OUTLETS
- WALL BRACKET NOT @ HEIGHT NOTED
- FLUORESCENT OR SL-LINE FIXTURES

## SYMBOLS & LEGEND

- 2"/2 - 1/2 C
- 3"/2 - 1/2 C
- 4"/2 - 3/4 C
- 5"/2 - 3/4 C
- 6"/2 - 1" C
- 7"/2 - 1" C
- 8"/2 - 1" C
- 9"/2 - 1 1/4" C

ALL EXPOSED WORK UNLESS OTHERWISE NOTED.

- CONDUIT WORK RUN, AS IDENTIFIED
- S — SWITCH, 1-POLE, HUBBELL TYPE AC, MTD-5 — USE 80% CAPACITY
- S2 — SWITCH, 2-POLE, HUBBELL TYPE AC, MTD-5 — USE 80% CAPACITY
- S3 — SWITCH, 3-POLE, " " " " " " "
- S4 — SWITCH, 4-POLE, " " " " " " "
- S5 — SWITCH, 1-POLE, KEY LOCKED HUBBELL "4401L, MTD-5
- S6 — STARTER, MANUAL "S1, ALLEN BRADLEY BULLETIN "600, MTD-5
- 480V-3P, WALL MTD. HUBBELL "20403 & "20416 PLATE 6x 7/8" BOX
- 480V-3P, WALL MTD. CROUSE HINDS "FSG4626"
- 480V-3P, WALL MTD. CROUSE HINDS "AREH 10625"
- 120V-1P, WALL MTD. HUBBELL "5252
- 120V-1P, WALL MTD. DOUBLE 2-HUBBELL "5310-B6 W/ BOX "5306
- 120V-1P, WALL MTD. HUBBELL "7310 B6
- 120V-1P, WALL MTD. HUBBELL "9340 (FOR SPECIAL APPLICATION ONLY)
- 120V-1P, HEAVY DUTY, AB-TYPE, HUBBELL "7382 W/ "7382 PLATE 6x 7/8" BOX (SEE SPECIAL WIRING DIAGRAM)
- 120V-1P, DROP HUBBELL "7313-6 WITH 12-3 30" THREE CORD
- 120V-1P, DROP HUBBELL "5267 WITH 14 306 16-3 30" THREE CORD AS NOTED
- 120V-1P, DROP HUBBELL "7552 WITH 14 306 16-3 30" THREE CORD AS NOTED
- 12-1-1P, COMBINATION, 1 FOR HUBBELL "5252 & "5310-B6 W/ BOX "5306
- 220V-3P, WALL MTD. HUBBELL "7810-B6
- 220V-1P, DROP, HUBBELL "7088 WITH 12-3 30" THREE CORD AS NOTED
- 220V-1P, WALL MTD. HUBBELL "6810-6
- 220V-1P, WALL MTD. HUBBELL "7112-6 (FOR SPECIAL APPLICATION ONLY)
- CONDUIT SUPPORT - UNISTRUT STANCHION ANY BRANDS, SEE DET. B
- CONDUIT SUPPORT UNISTRUT STANCHION, FREE BRACED SEE DET. B
- CONDUIT SUPPORT, SUNLIGHT P-1000 WORK BENCH ATTACHED CONDUIT RUN 18" 8"
- BUS DUCT, PLUG-IN TYPE WITH END TAP BOX, SIZE AS INDICATED
- BUS DUCT, PLUG-IN TYPE WITH ATTACHED PLUG-IN BREAKER, SIZE AS INDICATED
- SWITCH, NON FUSED DISCONNECT, SQUARE "D" TYPE ND
- SWITCH, FUSIBLE DISCONNECT, SQUARE "D" TYPE ND
- MOTOR STARTER, ALLEN BRADLEY
- MOTOR STARTER-FUSIBLE DISCONNECT COMBINATION, ALLEN BRADLEY
- FUSE DEVICE, AS IDENTIFIED
- EQUIPMENT CONTROL DEVICE ON CONTROLS, SUPPLIED & INSTALLED UNDER MECHANICAL SECTION OF THE SPECIFICATIONS, CONNECTED UNDER ELECTRICAL SECTION OF THE SPECIFICATIONS.
- E — FOOT BUTTON STATION, STANDARD DUTY, ALLEN BRADLEY BULLETIN "800 UNLESS OTHERWISE NOTED.
- PUSH BUTTON STATION, WITH PILOT LIGHT, STANDARD DUTY ALLEN BRADLEY BULLET-N "800 UNLESS OTHERWISE NOTED.
- EMERGENCY LIGHT FIXTURE, BATTERY OPERATED WITH TRICKLE CHARGER, STAND BATTERIES FOR 2, 25 W. SEALED BEAM LAMPS AS INDICATED. 120-CY. 1P. MOUNTING BRACKET, CHARGE RATE REGULATOR & CONNECTOR CAGE & CAP INCLUDED. EXIT LIGHT GUARD FRAME. SEE TO AUTOMATIC RELAY. MOUNT 7'-0" ABOVE FLOOR OR AS INDICATED, AND OVER DOORS. DOORS PROVIDED SHALL HAVE TWO 2 FOR ONE SHALL BE MOUNTED BY PLACING AS SHOWN ON THE BOOK USE THE PLAN WITH # 5T691 MOUNTING BRACKET
- 1100 NOMINAL SURFACE DUCT WITH CONDUIT, DROP TO DIRECT CONDUIT AND CONDUIT ADAPTER.
- WIRE HOLD PLUG-STRIP.
- MOTOR, SIZE AS NOTED
- AS JUNCTION BOX, OR AS MARKED, ETC.
- SPECIAL J-BOX OR PULL-BOX AS CALLED OUT
- OUTLET, PRE-WIRED, HUBBELL "TWC, FACE PLATE "BRE-GOW"
- THERMOSTAT DEVICE

NOTE: ALL WALL RECEPT. & SWS. TO BE MOUNTED AT 4'0" UNLESS NOTED OTHERWISE.
ALL DROP OUTLETS, STRAIGHT & BY 1/2" UNLESS NOTED OTHERWISE.

TWK-4470 NR-26289

## GENERAL NOTES:

1. EXACT LOCATION OF UNISTRUT STANCHIONS TO BE DETERMINED ON THE SITE.
2. UNISTRUT STANCHIONS SHALL BE INSTALLED AS PROVIDED BY CODE FOR PROPER SUPPORT OF CONDUIT. CONDUIT RUNS TO ADDITIONAL SUPPORTS MAY PREVENT THEY SHALL BE OF THE SAME METHOD AS OBTAINED ON THESE DRAWINGS.
3. THESE SHALL BE CONDUIT RUN FLUSH ON THE FLOOR.
4. ALL EQUIPMENT WORK DISCONNECT SWITCH AND CONTROLLER HAS NOT BEEN ON ELECTRICAL LAYOUT DRAWING, ALL OR THEIR LOCATION ARE TO BE DETERMINED ON THE ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL EQUIPMENT WORK SHALL BE ELECTRICAL CONNECTIONS PROVIDED AT THE LOCAL DEVICE MOTOR ELEMENTS.
5. ON ALL EQUIPMENT SHOWN ON EQUIPMENT LIST AS "NEW" THE CONTRACTOR SHALL INSTALL A DISCONNECT SWITCH ON ONE OFF AT EACH.
6. ALL CONNECTIONS TO THE EQUIPMENT SHALL BE MADE AS PER DETAIL B.
7. ALL BUSED WORK TO BE CONSIDERED AS ELECTRICAL.
8. ALL CONDUIT TO BE PROTECTED WITH PROPER RUN OR BY ROUTING THEM INTERNAL TO CONTAINMENT OR TRAVELING ABOVE THE SHIELD WALL 6" CLEAR OF ANY FUTURE CONDUIT CONNECTIONS.
9. ALL WIRE SIZES #6 OR LARGER SHALL BE TYPE AH-RW.
10. ALL CONDUITS FROM TRANSFER PISTONS CONNECTED AND TO END SHALL BE TYPE AVA.

NOTICE

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REDUCED DRAWING

REVISIONS

| SYM | BY | DESCRIPTION | DATE | APPROVED |
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RADIATION MEASUREMENT FACILITY
ELECTRICAL — SYMBOLS & DETAILS

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