

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-B3M	1983	2	3

GENERAL NOTES

DESIGN DATA:

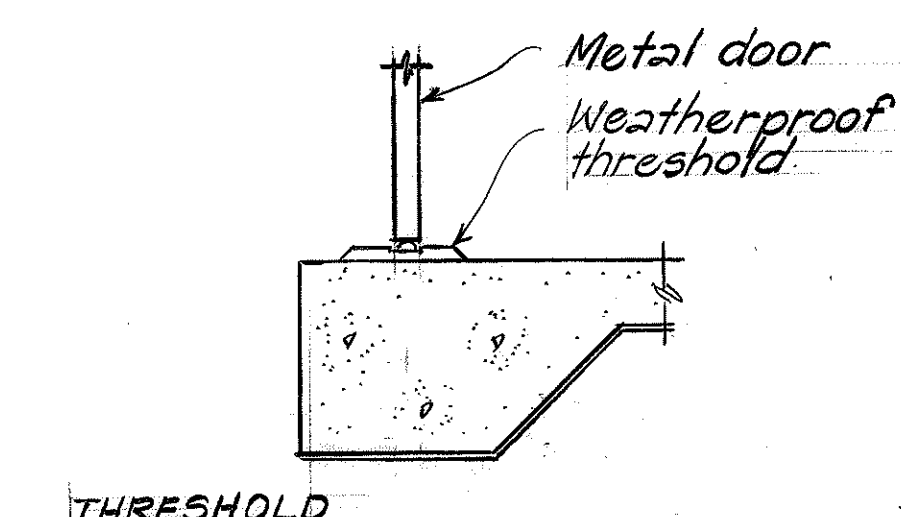
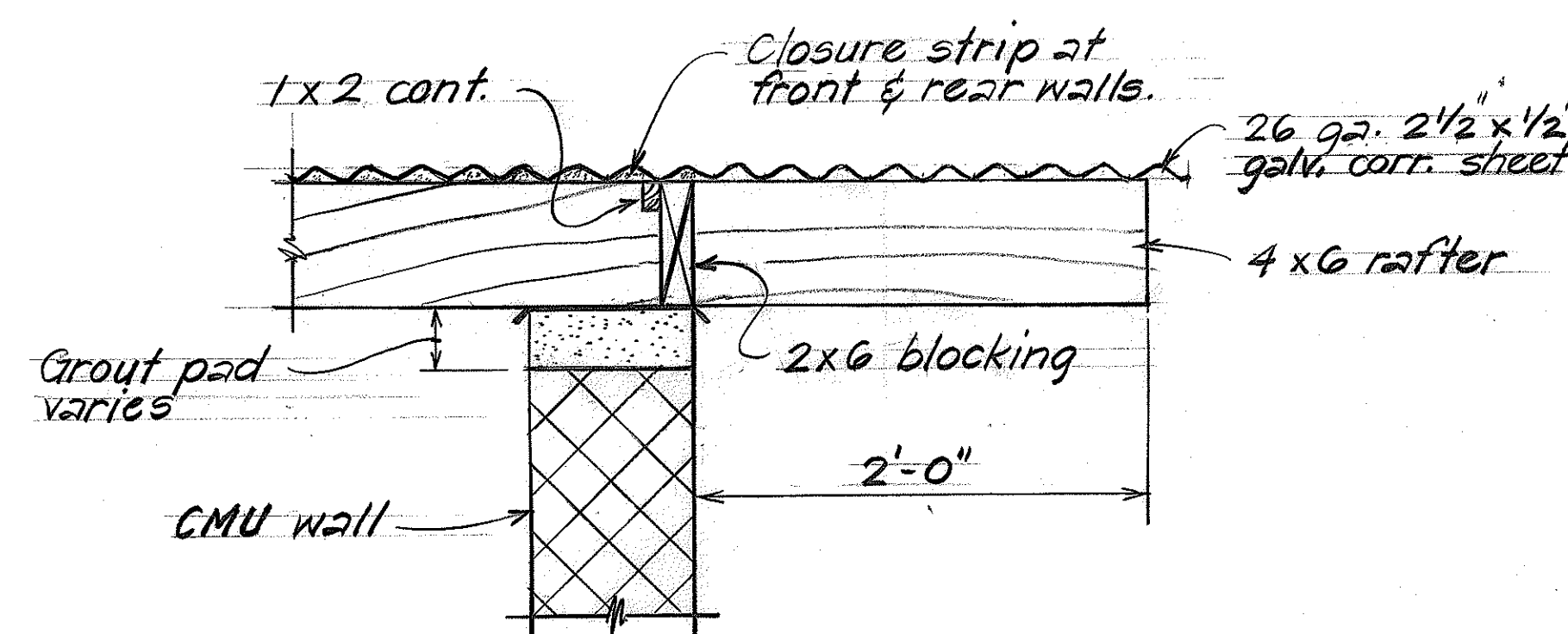
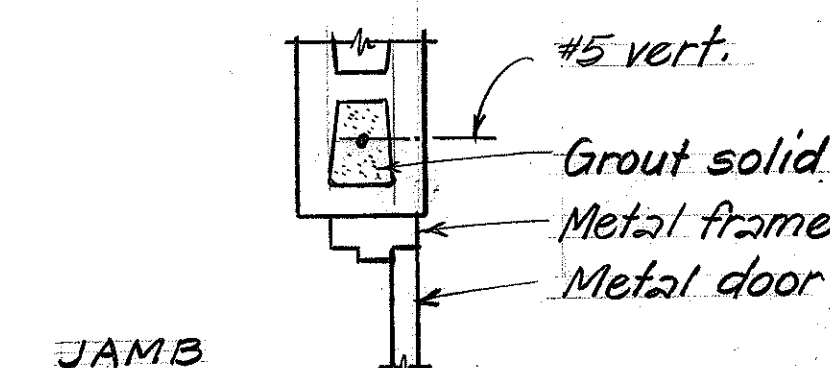
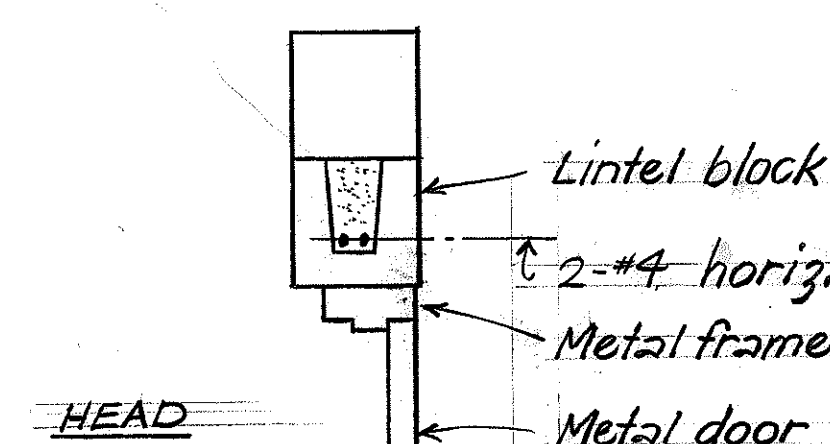
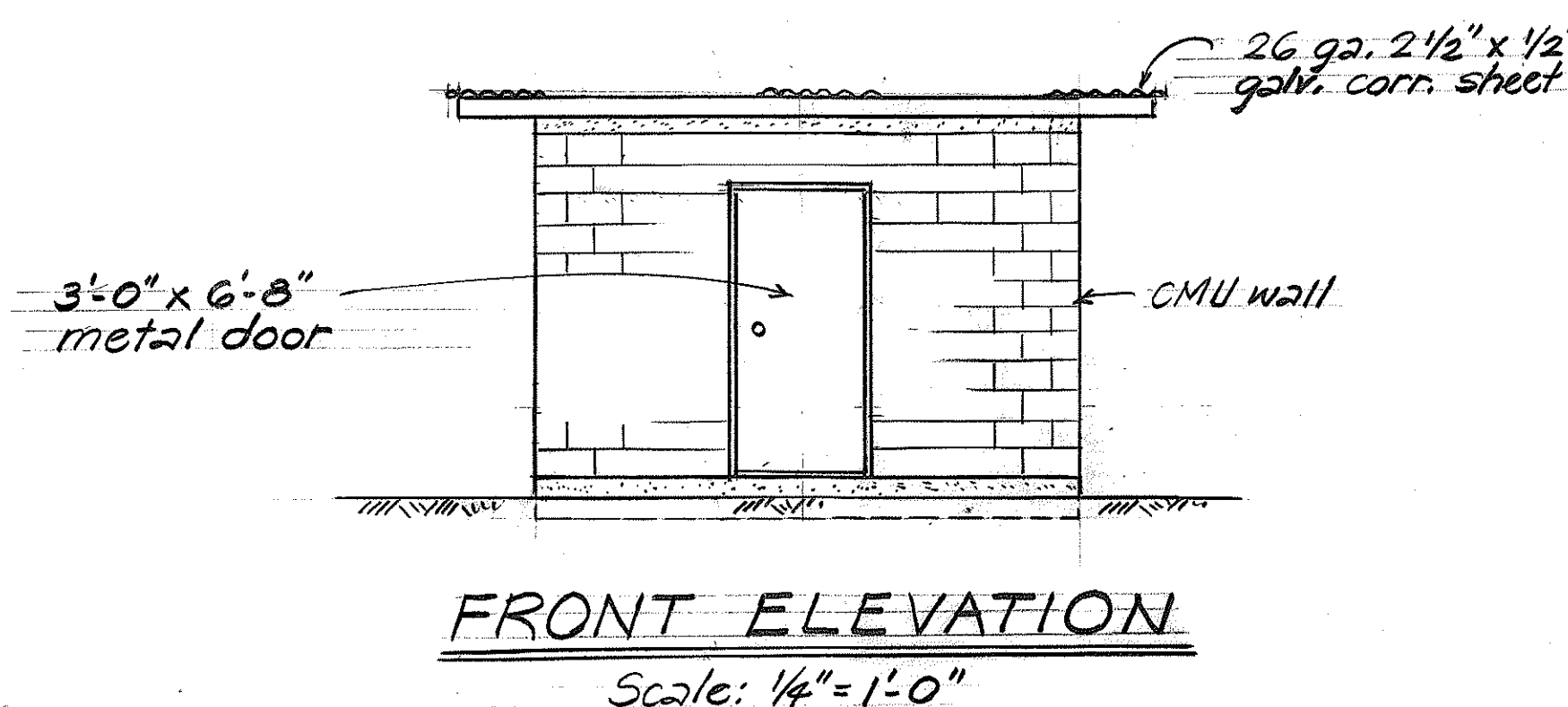
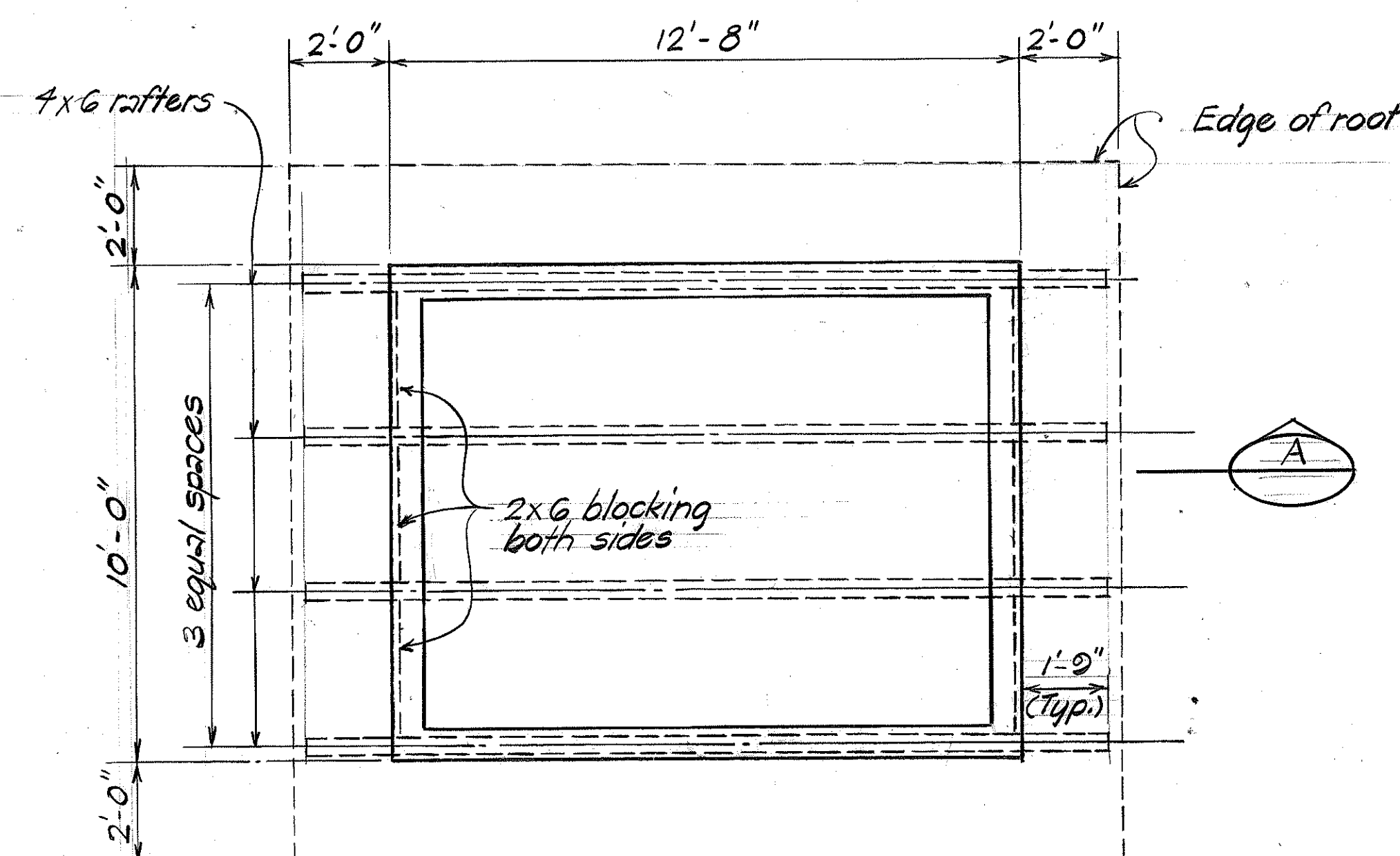
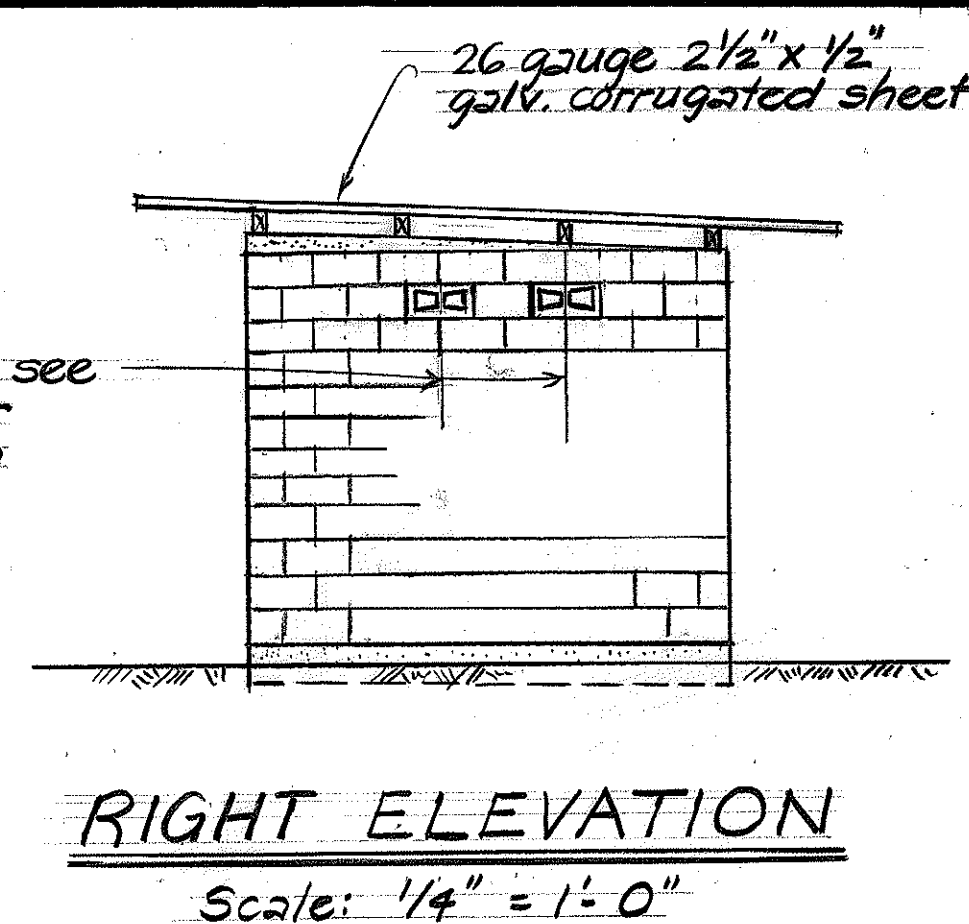
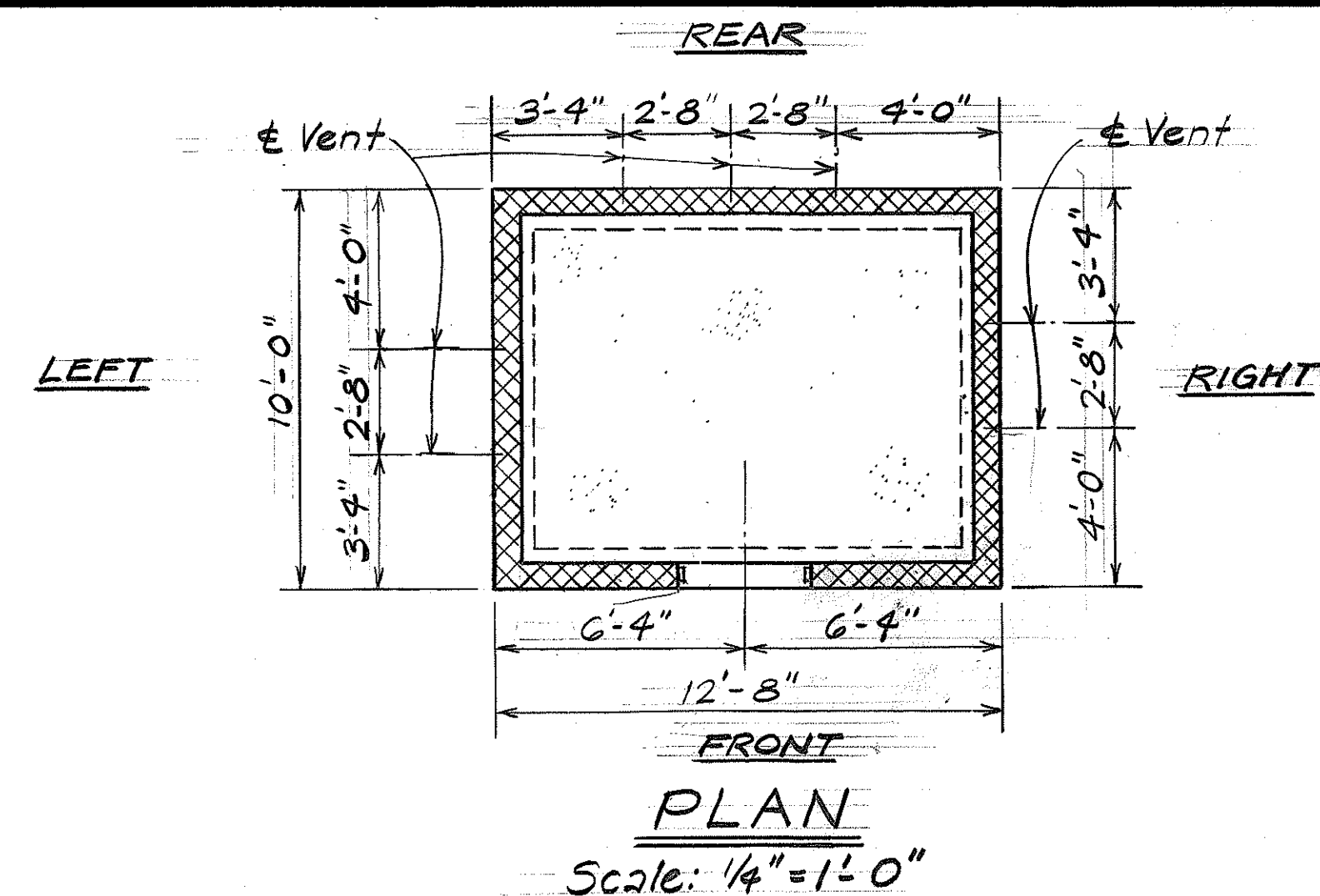
1. Roof Live Load 20 psf

MATERIALS:

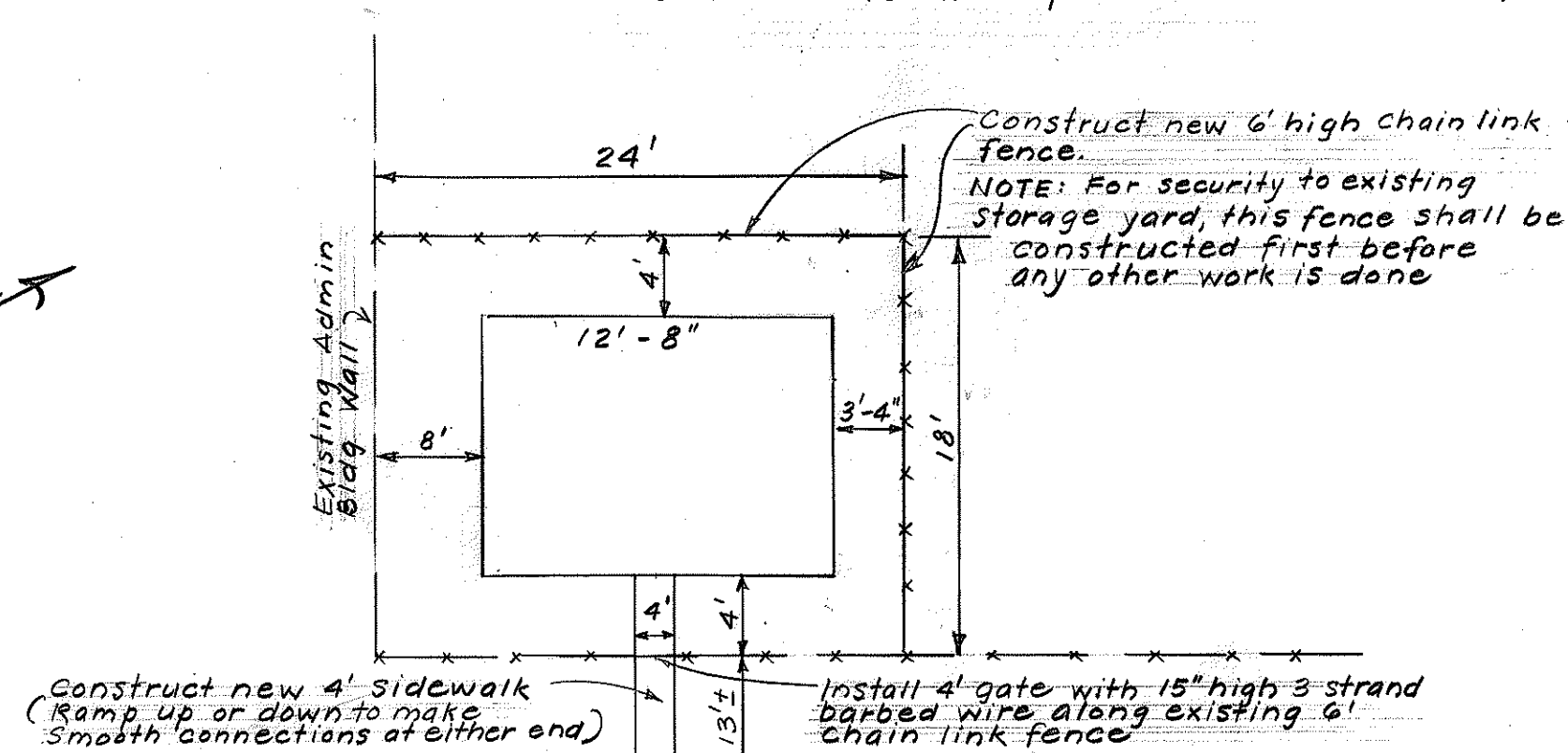
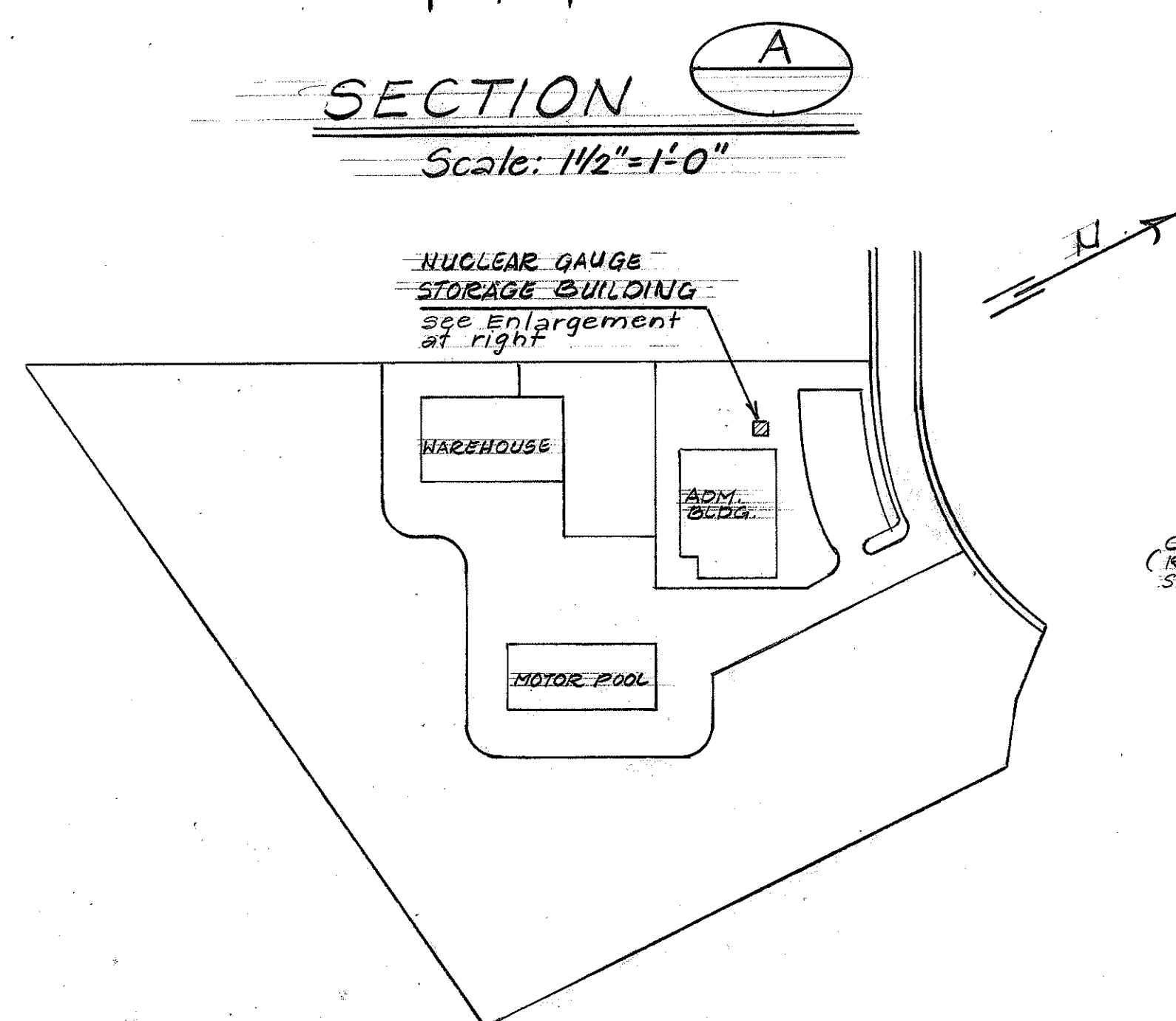
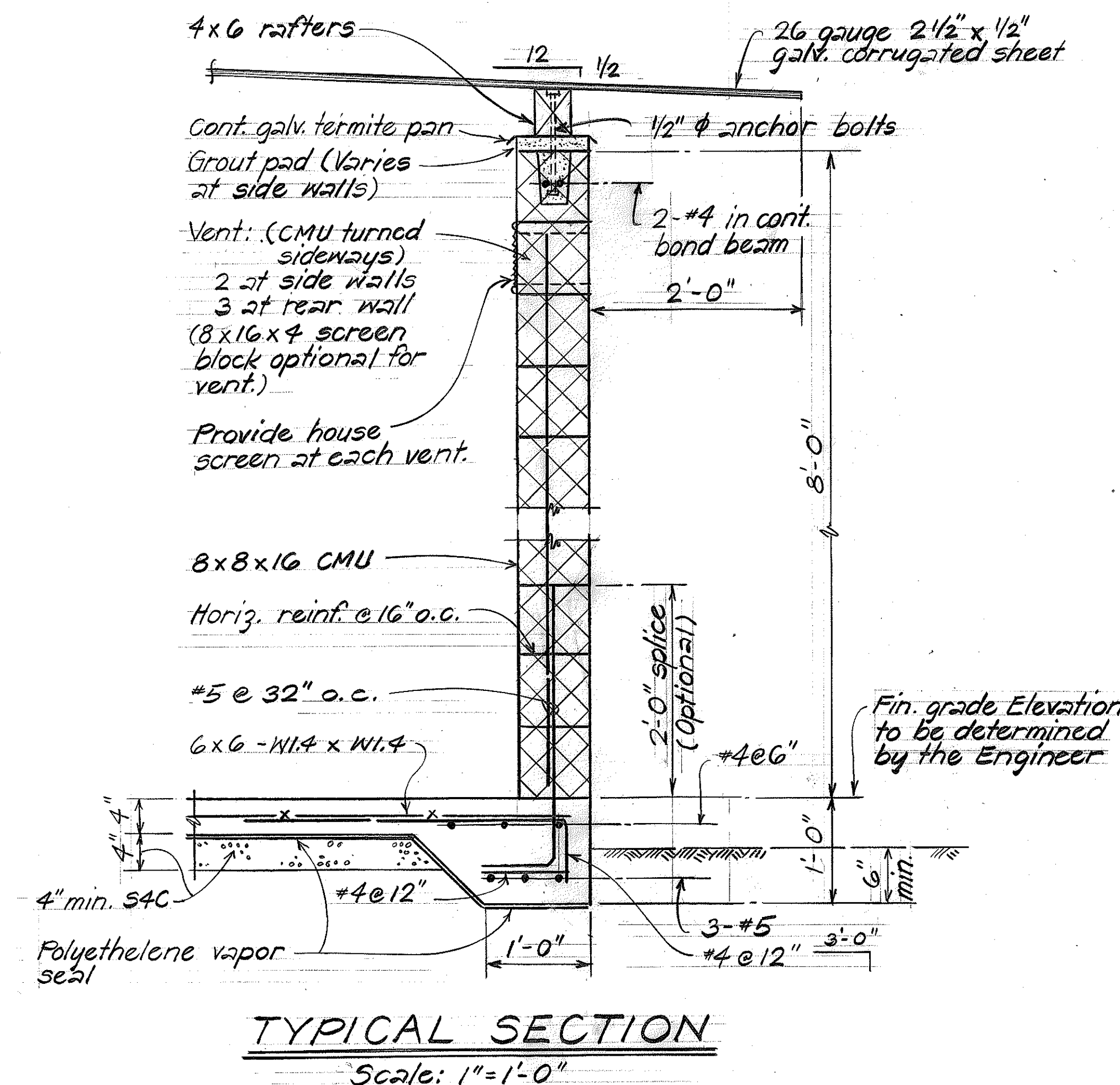
1. Concrete:
All concrete shall be Class B,
28 day compressive strength $f'_c = 2500$ psi
2. Concrete Masonry Unit:
Concrete masonry block shall be load bearing, conforming to ASTM C-90 Grade N-II.
3. Reinforcing Steel:
ASTM A-615 Grade 40
4. Structural Steel:
ASTM A-36
5. Anchor Bolts:
ASTM A-307, Hot dipped galvanized.
6. Roofing:
26 gauge $2\frac{1}{2} \times \frac{1}{2}$ galvanized corrugated sheets.
7. Lumber:
Douglas Fir Larch select structural (Treated)

CONSTRUCTION REQUIREMENTS:

1. Concrete Protection: 3" clear for foundation.
2. Concrete masonry block walls shall have 1-#5 vertical bar @ 32" o.c. maximum in grout filled cells and at jambs and all corners.
3. All CMU cells shall be filled with grout of 2500 psi.
4. Horizontal masonry joint reinforcement shall be placed at 16" o.c. with a minimum lap splice of 6", and shall be continuous around all corners.
5. Concrete sidewalk shall be 4" thick.
6. Removal of the existing chain link fence to accommodate the new 4 foot chain link gate will not be paid for separately but shall be deemed to be included in the contract price paid for the new chain link gate and no additional compensation will be made.



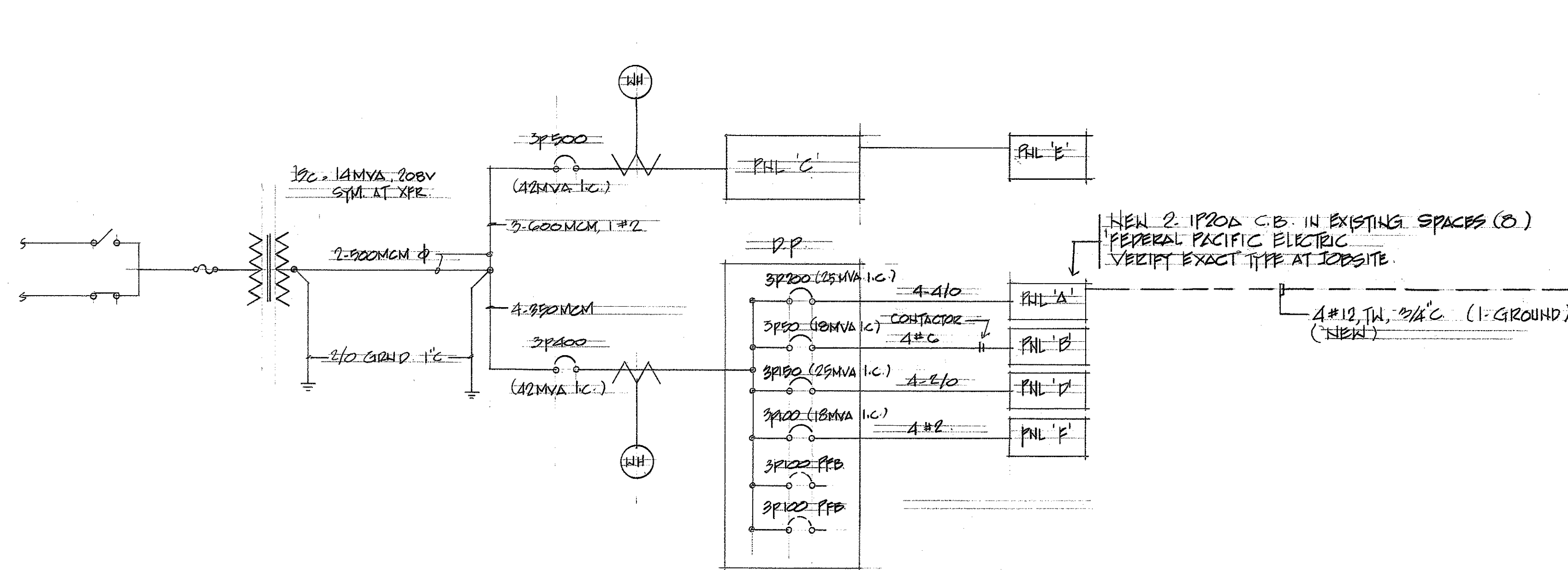
DOOR DETAIL



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
**IMPROVEMENT TO FACILITIES
TO ACCOMMODATE NUCLEAR
GAUGE EQUIPMENT AT
OAHU DISTRICT BASEYARD**
MOANALUA, HONOLULU, HAWAII

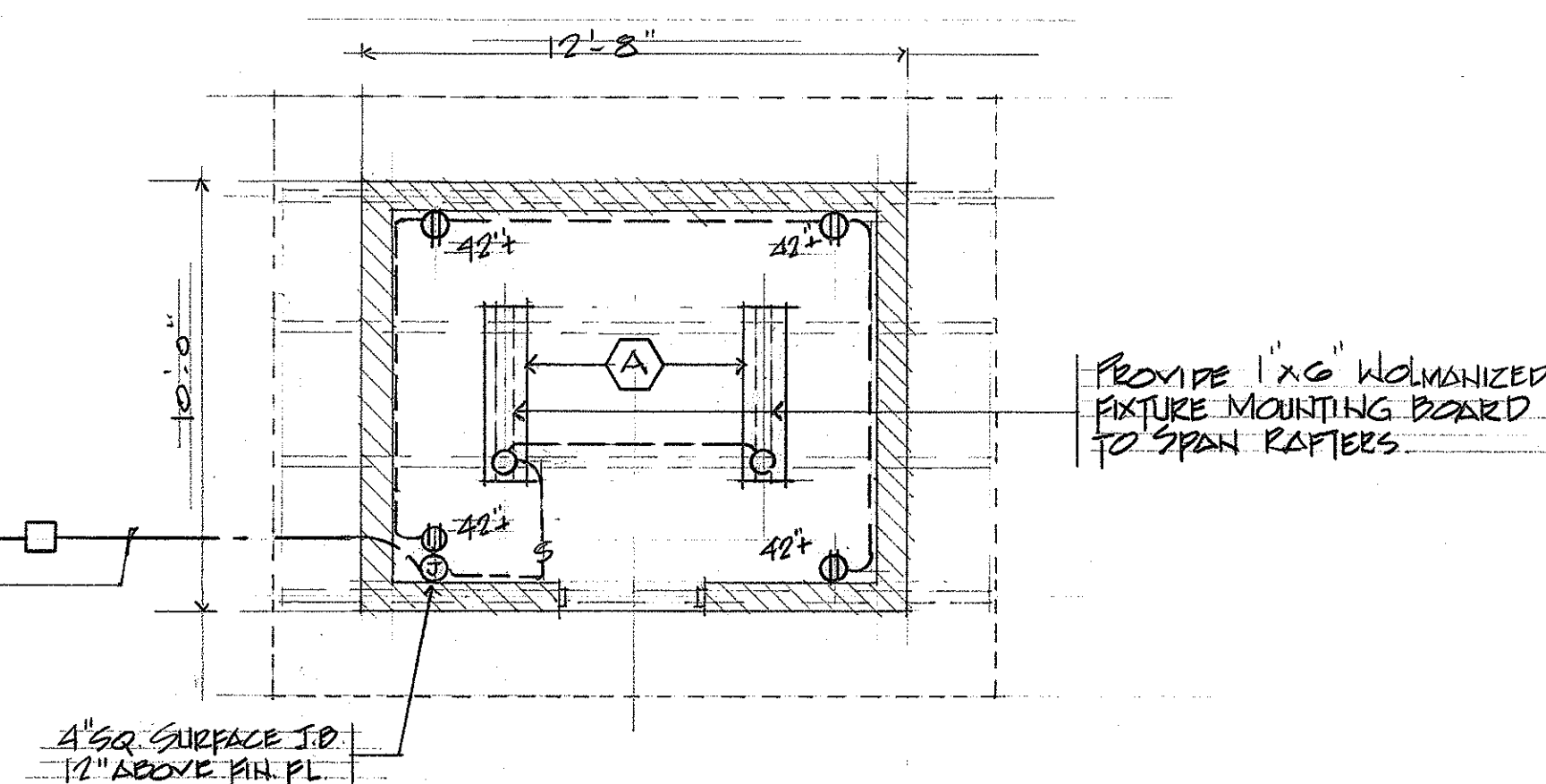
Scale: As Noted Date: May 1982

SHEET NO. 2 OF 2 SHEETS



LOAD DATA AT PANEL 'A'

ESTIMATED LOAD = 58.0 KVA
 ADDED LOAD = 1.2
 TOTAL ESTIMATED LOAD = 59.2 KVA



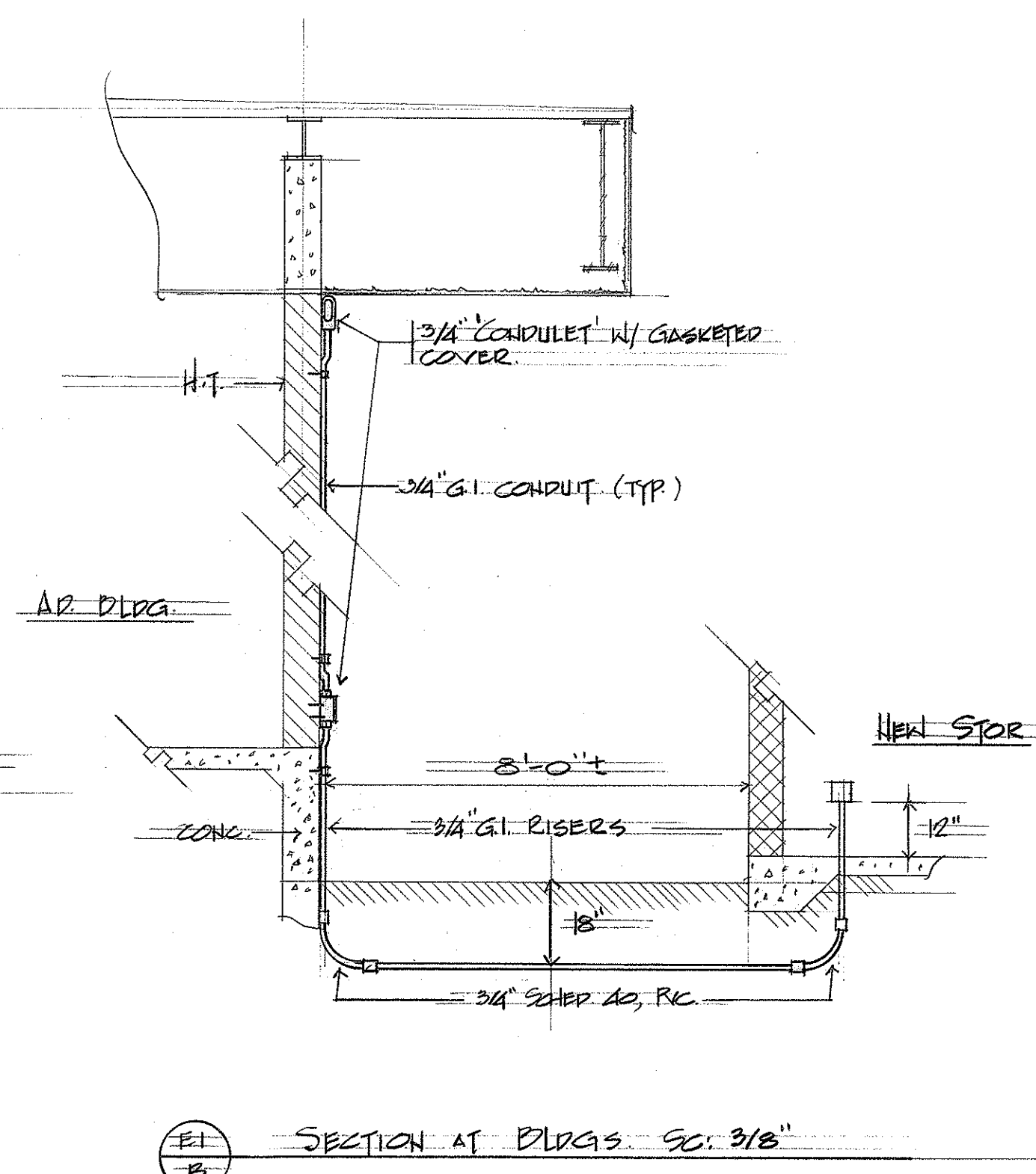
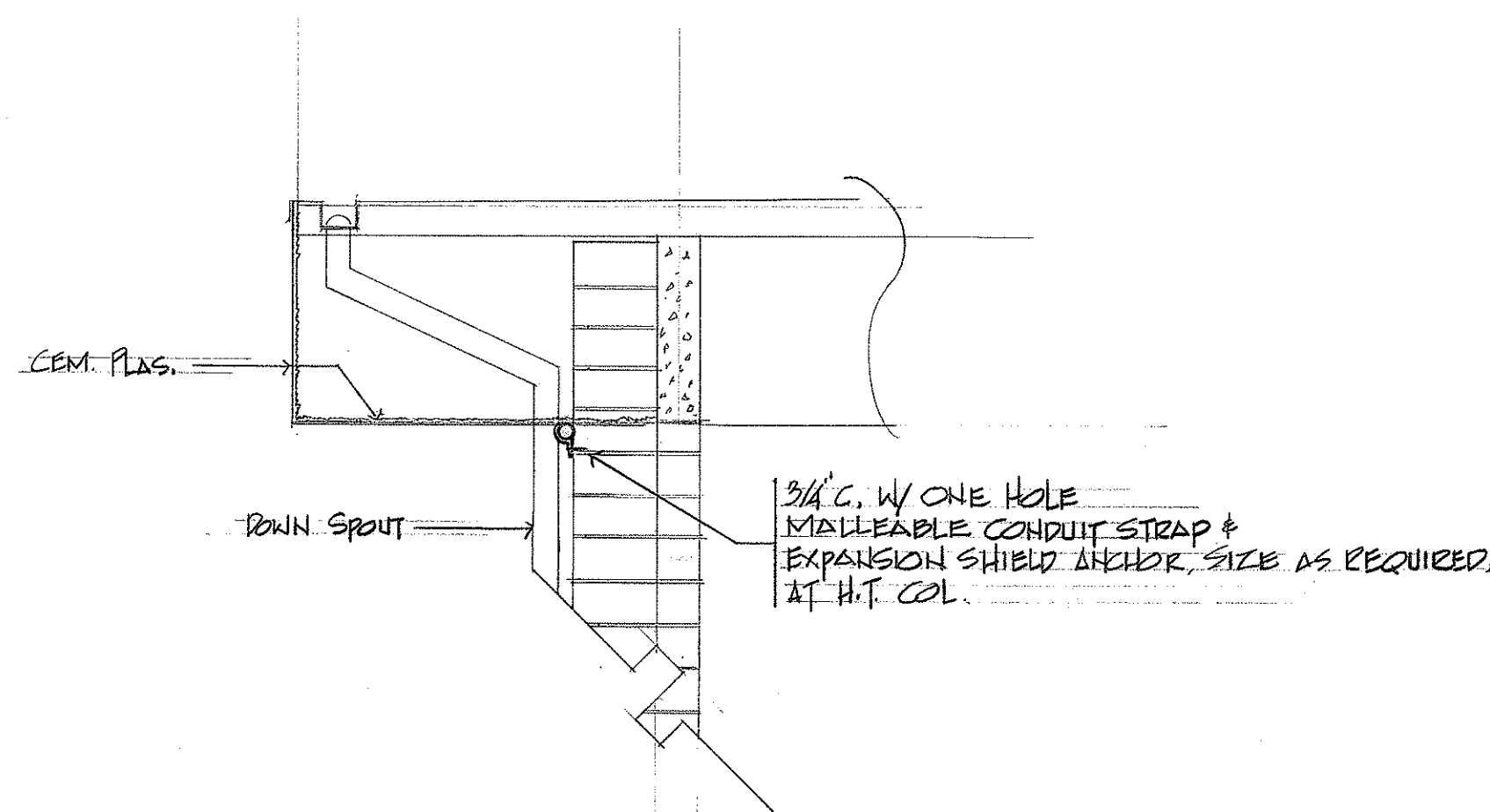
PLAN SC. 1/4" = 1'-0"

LIGHT LIMIT BUDGET

CAT. 'B' (12'8" x 10') 126 ft² x 1.0W = 126W ALLOWED
 " 'E' 45 ft² x 5W = 225W
 TOTAL 351W ALLOWED
 CONNECTED 2-TYPE 'A' x 35W EA. = <170W

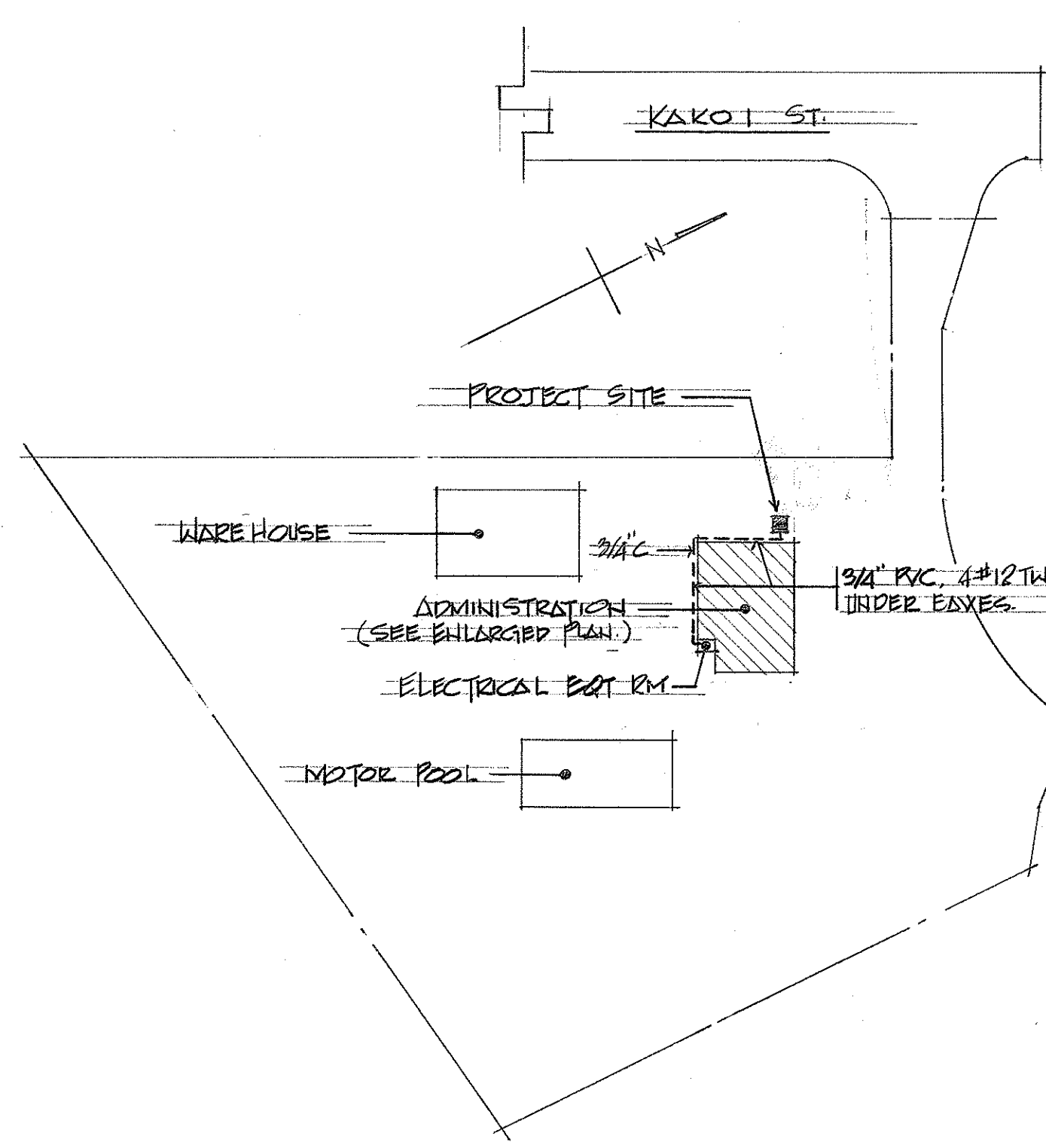
LIGHTING FIXTURE

INDUSTRIAL, WHITE PORCELAIN ENAMELED, DEEP RIBBED, STEEL REFLECTOR WITH TURNED EDGES, WITH WIRE GUARDS.
 2-40T12 RS. CW LAMPS 120V, 40W, HPS, COM. CERTIFIED BALLAST. SURFACE MOUNTED.
 SMOOT-HOLMAN, RAY BETTE, PENN. OR APPROVED EQUAL INPUT = 35W EACH.



PLAN, ADMINISTRATION BLDG

SC. 1" = 40'-0"



SITE PLAN H.T.S.

SUPPLEMENTARY SPECIFICATION

GENERAL CONDITIONS: GENERAL PROVISIONS AND NOTICES IN THE GENERAL SPECIFICATIONS ARE MADE PART OF THIS SECTION OF THE WORK.

- SCOPE OF WORK SHALL INCLUDE BUT SHALL NOT BE LIMITED TO:
 a. PROVIDE AND INSTALL, EACH 1P20A CIRCUIT BREAKER TO EXISTING PANEL 'A' AS NOTED ON PLAN.
 b. COMPLETE LIGHTING AND GENERAL USE RECEPTACLES.
 c. TEST COMPLETE INSTALLATION AND CORRECT ALL DEFECTS AT NO COST TO OWNERS.

WORK NOT INCLUDED:
 a. PAINTING

EXAMINATION OF SITE: THE CONTRACTOR SHALL EXAMINE THE PROJECT SITE BEFORE SUBMITTING BID. THE CONTRACTOR SHALL BE DEEMED TO HAVE COMPLIED WITH THIS STIPULATION OF THIS SPECIFICATION UPON SUBMISSION OF HIS BID. NO EXTRA PAYMENT FOR WORK DUE TO MISUNDERSTANDING OF PLAN SHALL BE GRANTED.

GUARANTEE: THE ENTIRE WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE PROJECT AS A WHOLE, EXCEPT FOR LAMPS, WHICH SHALL BE GUARANTEED FOR THE MANUFACTURER'S RATED LAMP LIFE. ALL DEFECTS SHALL BE REPAIRED OR REPLACED AT NO COST TO OWNERS.

WIRING SYSTEM:

- ALL WIRING SHALL BE IN STANDARD WEIGHT, RIGID STEEL CONDUIT ZINC COATED INSIDE AND OUT, BY HOT DIP GALVANIZING, EXCEPT FOR UNDERGROUND PORTION WHICH SHALL BE IN PVC CONDUIT, SCHEDULE 40, DIRECT BURIED, 18" BELOW GRADE. MINIMUM SIZE UNLESS INDICATED SHALL BE 3/4".
- CHANGE OF DIRECTIONS AND PULLING SECTIONS SHALL BE BY CAST METAL CONDUIT BODIES WITH GASKETED BLANK COVERS FOR WATER TIGHT CONSTRUCTION.
- CONDUCTORS SHALL BE COPPER, #12 AWG MINIMUM SIZE, WITH N.E.C. TYPE TH INSULATION RATED FOR 600 VOLT SERVICE, COLOR CODED AS FOLLOWS:

BLACK = PHASE 'A'
 RED = " 'B'
 BLUE = " 'C'
 WHITE = NEUTRAL
 GREEN = GROUND

WIRING DEVICES: SHALL BE NEW, OF "SPECIFICATION" GRADE AND DELIVERED TO THE JOB SITE IN UNOPENED PACKAGES, ALL UL APPROVED WITH UL LABEL OF APPROVAL. LIGHT SWITCH AND ALL CONVENIENCE OUTLETS SHALL BE SURFACE MOUNTED.

- SWITCH SHALL BE RATED 15A, 120-277 VOLT, A.C. QUIET, HUBBELL #1201, OR EQUAL.
- DUPLEX RECEPTACLE SHALL BE RATED 15A, 125V. A.C. GROUNDING, HUBBELL #B252 OR EQUAL.
- BOXES AND COVER PLATES SHALL BE GALVANIZED STEEL 4" SQUARE BY 1 1/2" DEEP, WITH APPROPRIATE 4" SQUARE SURFACE COVERS, BOWERS, STEEL CITY, APPLETON OR RACO.

GROUNDING: ALL FLUORESCENT FIXTURES AND DEVICE BOXES SHALL BE EFFECTIVELY GROUNDING BY AN IDENTIFIED GROUND WIRE.

LEGEND

- WIRING IN EXPOSED METALLIC RACEWAY
- " BELOW GRADE
- FLUORESCENT FIXTURE, CEILING MOUNTED
- ⊙ JUNCTION BOX, SURFACE, 4" SQUARE, 12" ABOVE FLOOR
- ⊕ OUTLET, DUPLEX, 3W, 15A, GROUNDING TYPE, 42" ABOVE GRADE, OR AS DIRECTED BY OWNER
- S. SWITCH, SINGLE POLE, 15A, 120-277V, QUIET



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

7. Honeychick
 3/23/83

IMPROVEMENT TO FACILITIES TO ACCOMMODATE NUCLEAR GAUGE EQUIPMENT AT OAHU DISTRICT BASEYARD

SCALE: AS NOTED APPROVED BY: DRAWN BY: RSG/TO

DATE: MAR, 23, 1983 REVISED

ELEC. PLAN, ONE LINE DIAGRAM, LOAD DATA, SPECIFICATIONS, LIGHT LIMIT BUDGET, SITE PLAN, SECTIONS, LEGENDS.

DRAWING NUMBER
 E1 of 1