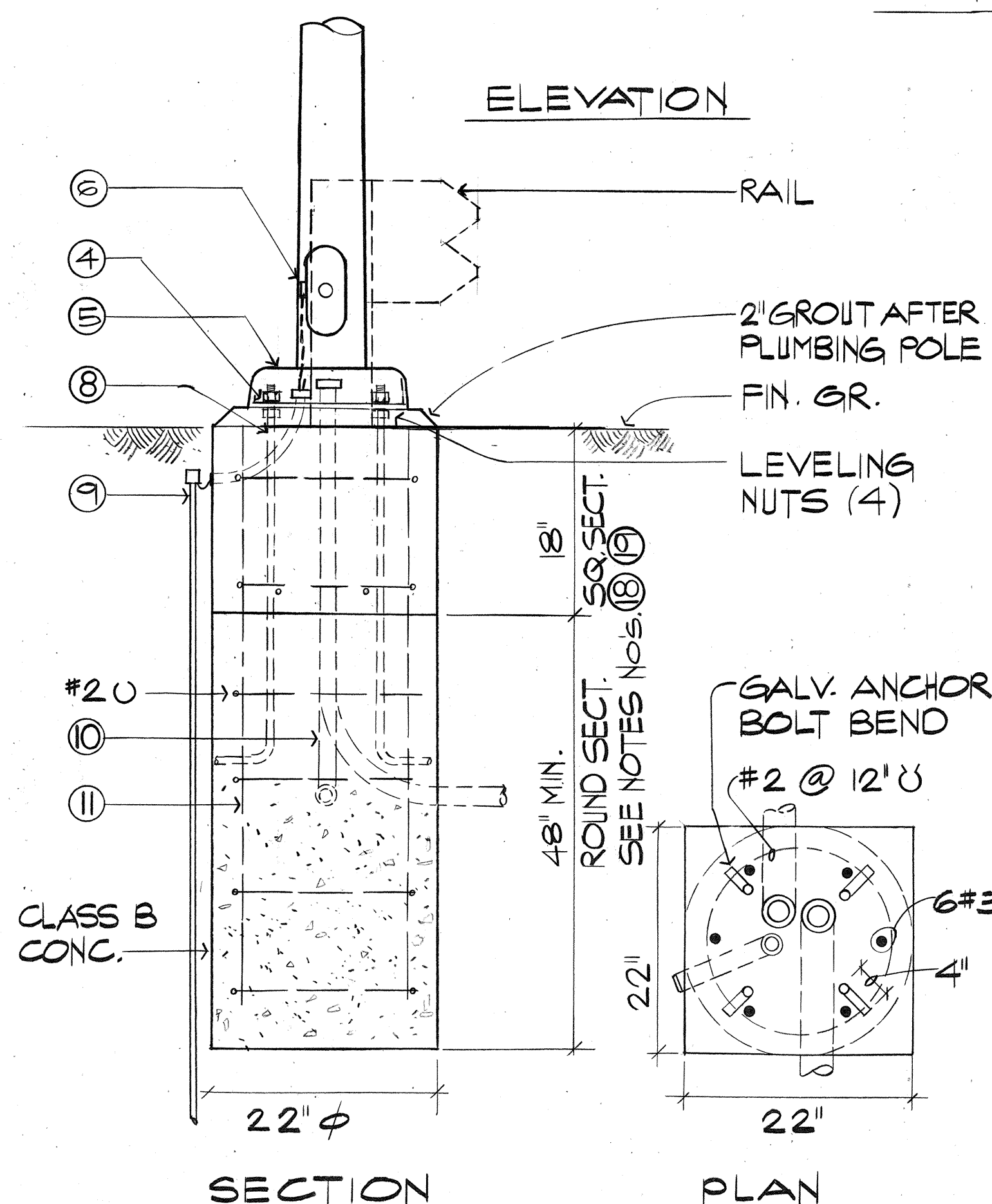
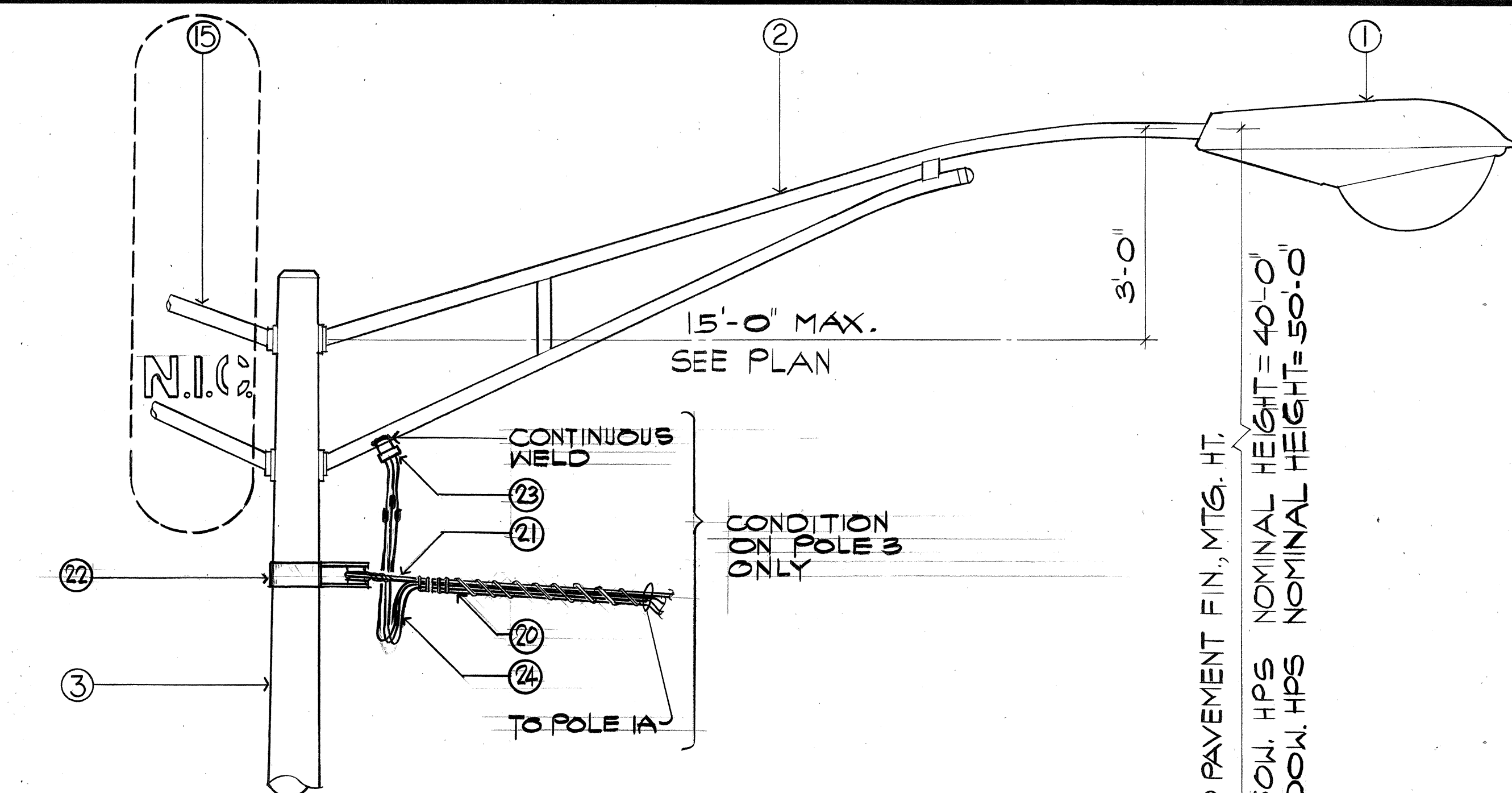


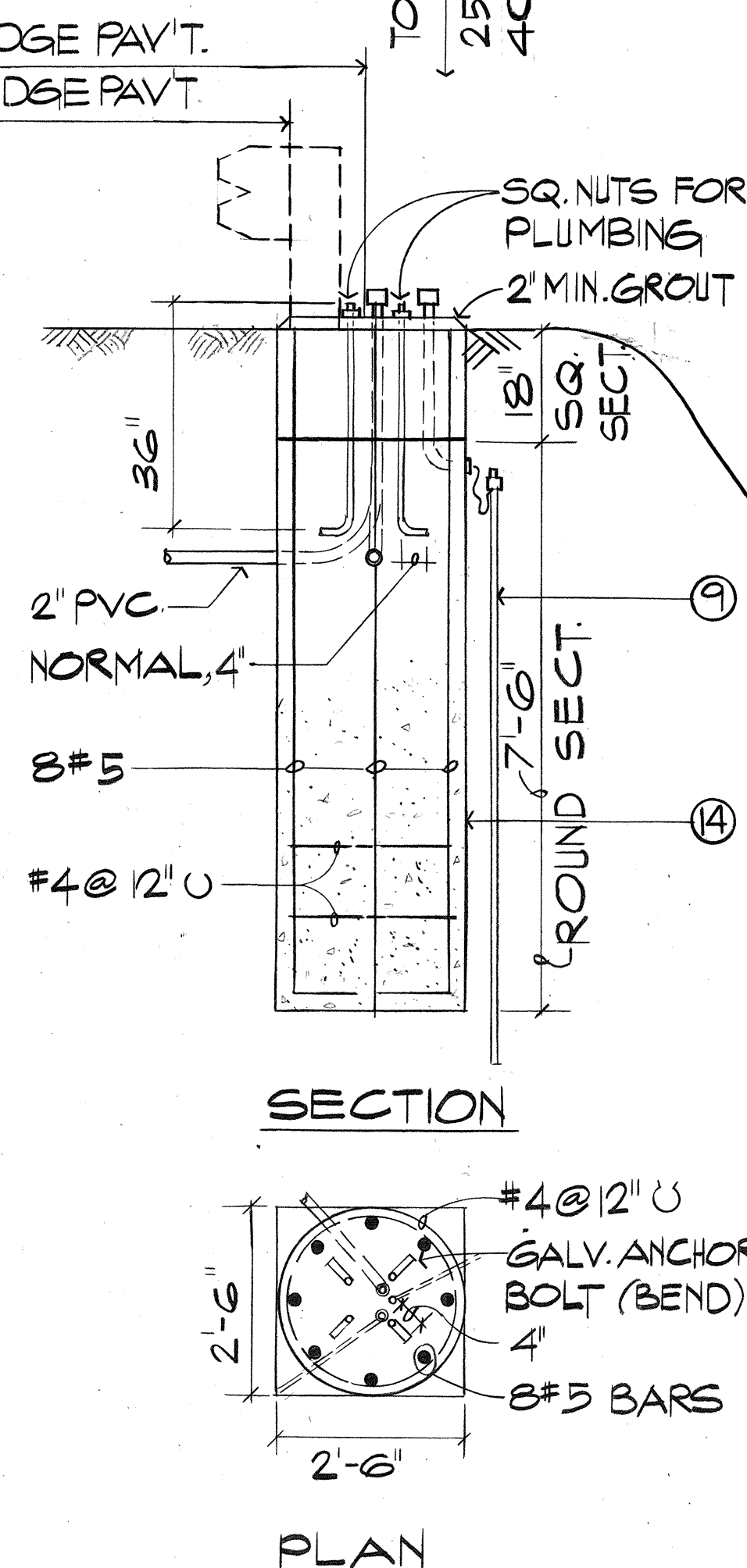
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FR-083-1(21)	1984	5	7

MATERIAL LIST

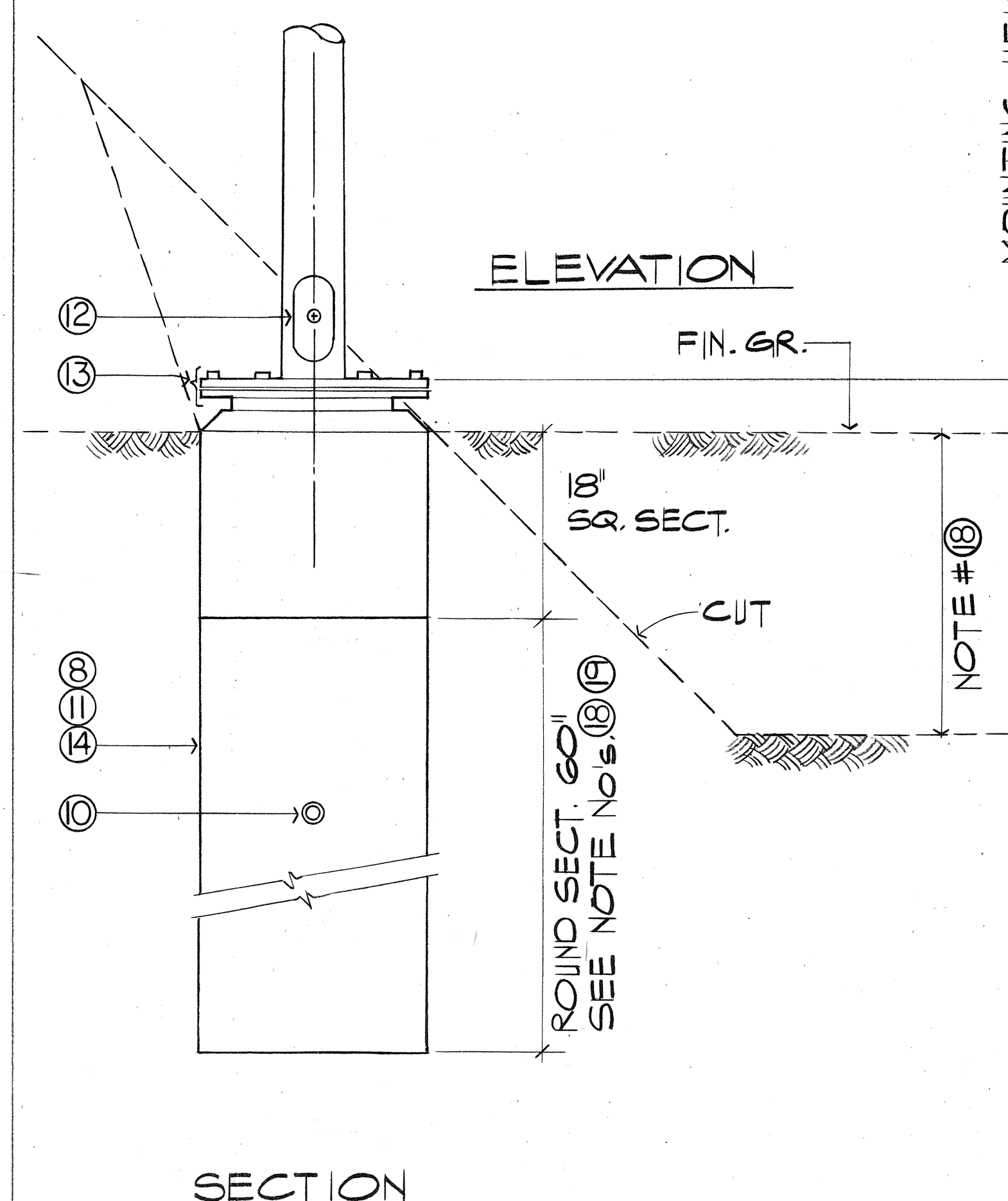
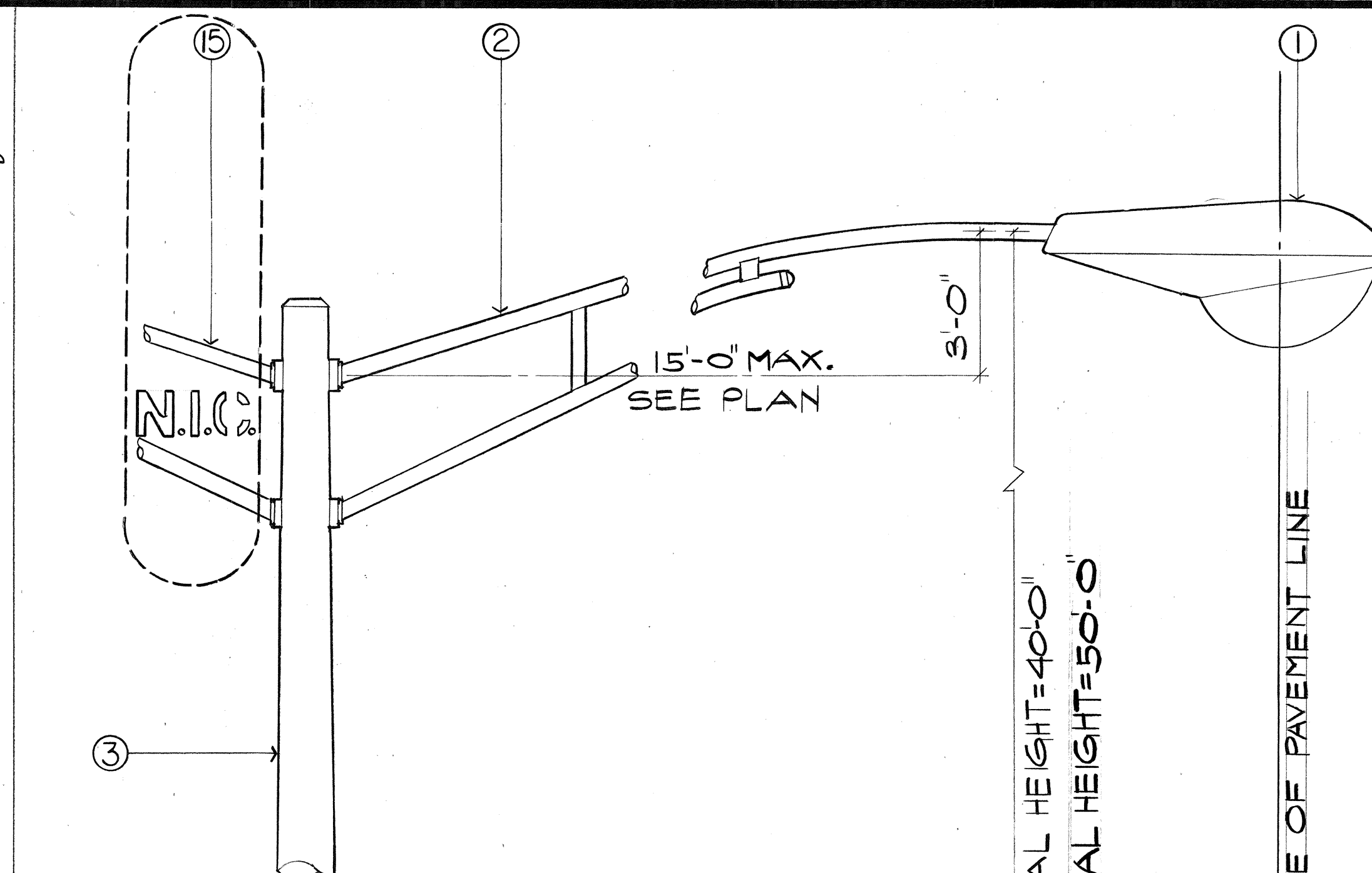
- ① LUMINAIRE
- ② TRUSS BRACKET
- ③ POLE
- ④ POLE BASE 4-BOLTS, WASHER & NUTS
- ⑤ POLE BASE BOLT COVER
- ⑥ GROUNDING LUGS
- ⑦ TRANSFORMER BASE w/ ACCESS COVER
- ⑧ 4-1" x 40" GALV. ANCHOR BOLTS
- ⑨ GRD. ROD 3/8" ϕ x 10'-0" COPPER CLAD
- ⑩ PVC SCH'D. 40, 36" DEEP MIN.
- ⑪ CONC. w/ 6#3 BARS UNLESS OTHERWISE NOTED
- ⑫ WIRING ACCESS HANDHOLE
- ⑬ SLIP BASE INSERT STD.
- ⑭ REINFORCED CONC. FOUNDATION INCLUDING 1#10 TW BONDED GRD. LUGS TO GRD. ROD, SIMILAR TO DETAIL 'A' w/ EXCEPTIONS AS NOTED
- ⑮ DOUBLE BRACKET CONDITION, COMPLETE w/ LUMINAIRES & WIRING, SEE PLAN FOR LOCATION.
- ⑯ PROVIDE 1#10 TW BOND BETWEEN POLE LUG & GRD. ROD
- ⑰ PROVIDE 1#10 TW BOND BETWEEN POLE LUG & PULLBOX GRD. ROD
- ⑱ AT EXST. CUT, INCREASE ROUND SECT. DEPTH BY 12 INCH PER 12 INCH VERT. DIFFERENCE FROM FOUNDATION TOP TO FIN. GR.
- ⑲ ALL POLES TALLER THAN 25' INCREASE ROUND SECT. DEPTH TO 66 INCHES
- ⑳ 3#6 CU. RINJ TRIPLEX, GALV. STEEL MESSENGER
- ㉑ PREFORMED GRIP
- ㉒ SECONDARY/DEADEND CLEVIS FORK BOLT, THREADED 1/2" DIA. x 14" L
- ㉓ 2-3/8" x 1-13/16" YOKE, SQ. WASHER & SQ. NUT, STAINLESS STL. STRAP
- ㉔ 1/2" BUSHING
- ㉕ CONNECTOR, SPLIT BOLT, COPPER ALLOY



**HIGHWAY LIGHTING
STANDARD DETAIL
TYPE "A"**
SCALE: 1"=1'-0"
FOR USE IN LEVEL AREA
AS SHOWN ON PLAN



FOUNDATION AT FILL
SCALE: 1/2"=1'-0"



**HIGHWAY LIGHTING
STANDARD DETAIL
TYPE "B"**
SCALE: 1"=1'-0"
FOR USE IN CUT SLOPE

NAKAMURA, KAWABATA & ASSOC., INC.
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Honolulu, Hawaii 96813



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

William M. Nakamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
**HIGHWAY LIGHTING
STANDARD DETAILS**
KAMEHAMEHA HIGHWAY, HWY. LIGHTS
CASTLE JUNCTION TOWARDS
HALEKOU INTERCHANGE
PROJECT NO. FR-083-1(21)

SHEET NO. 4L OF 6 SHEETS