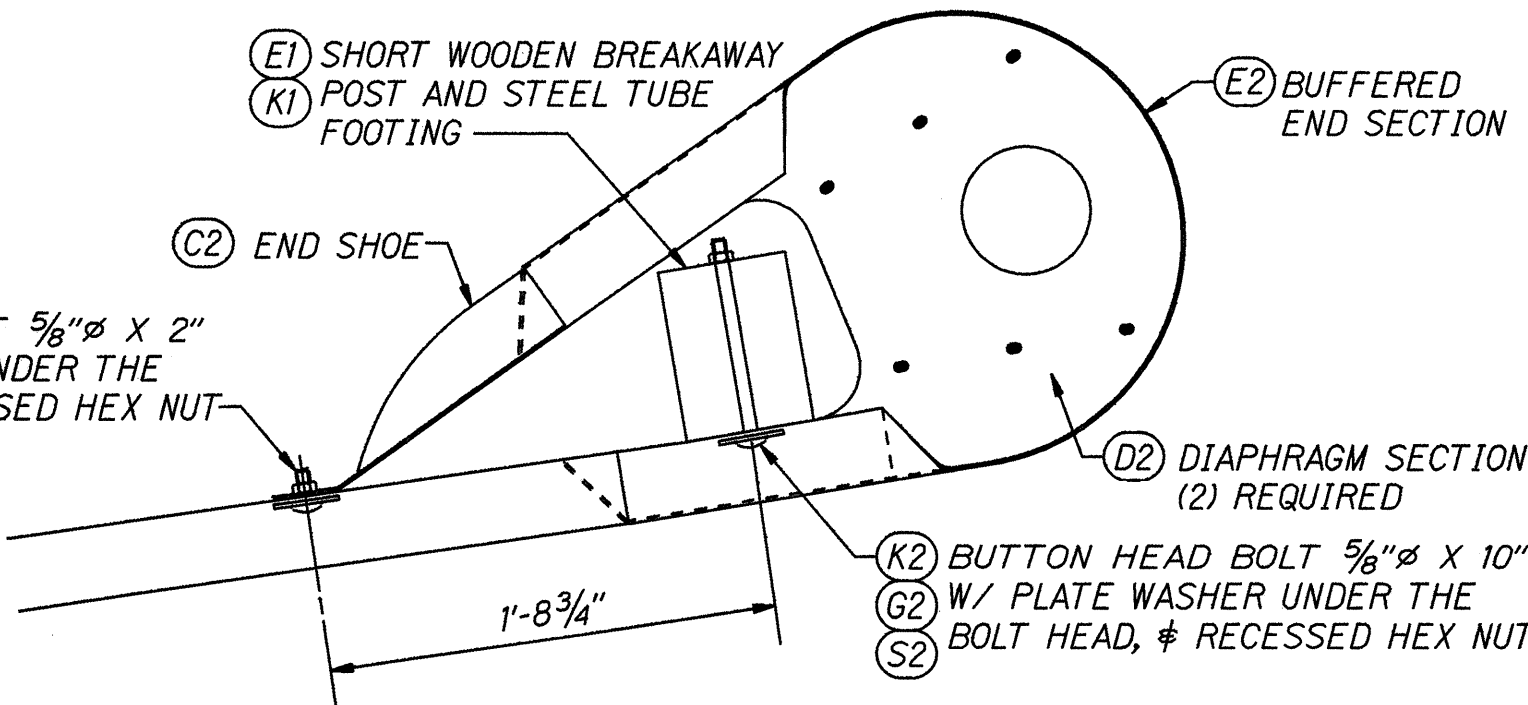


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-95M	1995	7	26

NOTES

1. THE POST OFFSET DIMENSIONS ARE GIVEN TO THE CENTER OF THE TRAFFIC FACE OF THE BLOCKOUTS, EXCEPT AT THE FIRST POST, WHERE THE DIMENSION IS TO THE CENTER OF THE TRAFFIC FACE OF THE POST. OFFSET POINTS ARE TO BE LOCATED BY CHORD MEASUREMENTS AT THE BACK OF THE RAIL EQUAL TO THE NOMINAL POST SPACINGS SHOWN. POSTS ARE TO BE SET APPROXIMATELY RADIAL TO THE RAILING AT EACH POST LOCATION.



BUFFERED END ASSEMBLY

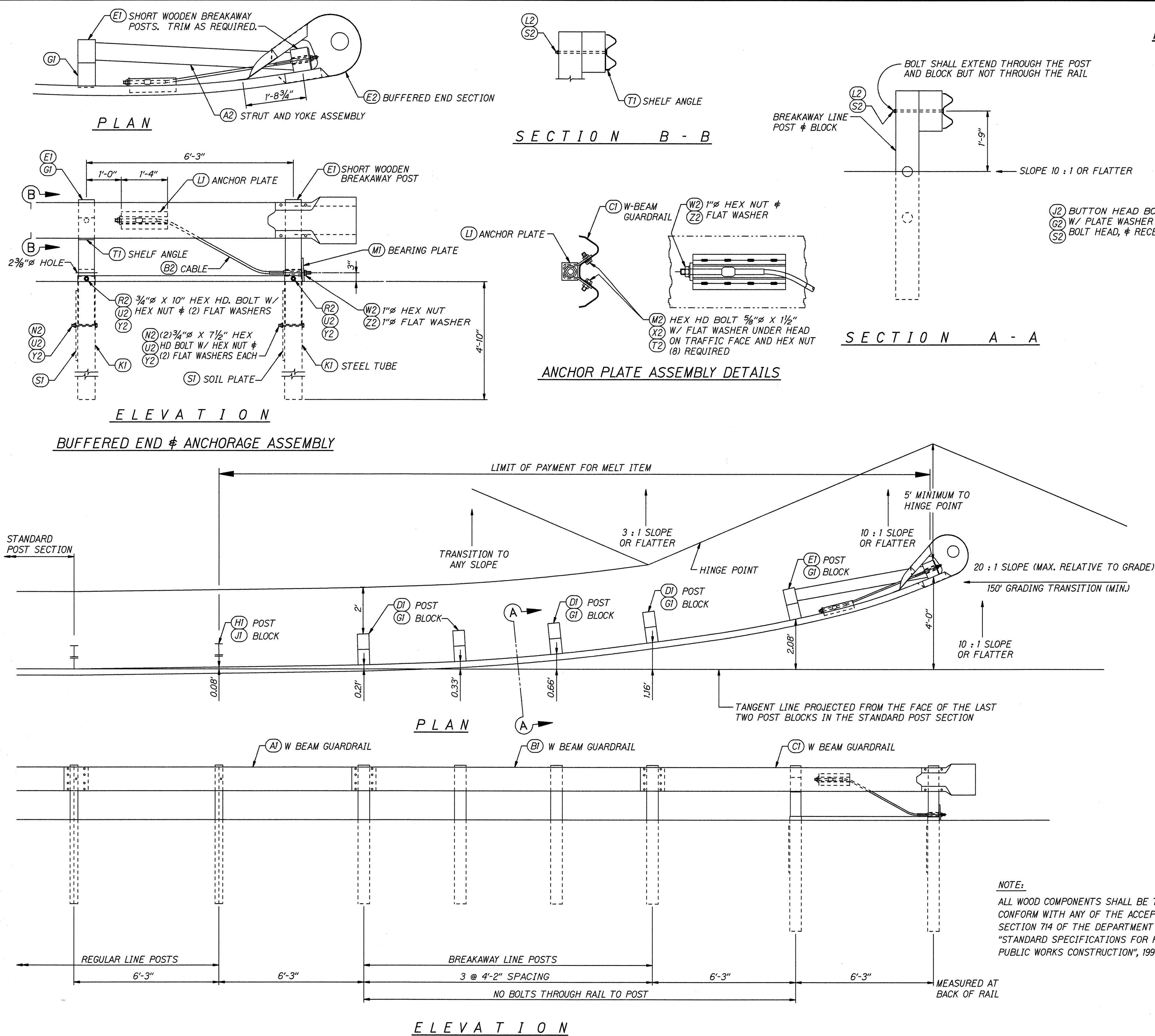
SUMMARY OF COMPONENTS

FIND NO.	DESCRIPTION
(A)	GUARDRAIL, 12GA X 12'-6"
(B)	GUARDRAIL, 12GA X 12'-6"
(C)	GUARDRAIL, 12GA X 12'-6"
(D)	BREAKAWAY LINE POST, TIMBER - 6" X 8" X 6'-0"
(E)	BREAKAWAY POST, TIMBER - 5 1/2" X 7 1/2" X 3'-6 1/2"
(G)	BLOCK, TIMBER - 5 1/2" X 7 1/2" X 1'-2"
(H)	POST - W6 X 8.5 X 6'-0"
(J)	BLOCK - W6 X 8.5 X 1'-2"
(K)	SOIL TUBE - TS 8 X 6 X .188 X 5'-0"
(L)	CABLE ANCHOR BRACKET
(M)	BEARING PLATE
(R)	PIPE SPACER
(S)	SOIL PLATE
(T)	SHELF ANGLE
(A2)	STRUT & YOKE ASSEMBLY
(B2)	CABLE ASSEMBLY
(C2)	END SHOE
(D2)	DIAPHRAGM PLATE
(E2)	BUFFERED END SECTION
(G2)	WASHER, PLATE
(H2)	BOLT, SPLICE 5/8" X 1 1/4"
(J2)	BOLT, POST 5/8" X 2"
(K2)	BOLT, POST 5/8" X 10"
(L2)	BOLT, POST 5/8" X 18"
(M2)	BOLT, HEX 5/8" X 1 1/2"
(N2)	BOLT, HEX 3/4" X 7 1/2"
(R2)	BOLT, HEX 3/4" X 10"
(S2)	NUT, HEX, RECESSED 5/8"
(T2)	NUT, HEX 5/8"
(U2)	NUT, HEX 3/4"
(W2)	NUT, HEX 1"
(X2)	WASHER, FLAT 5/8"
(Y2)	WASHER, FLAT 3/4"
(Z2)	WASHER, FLAT 1"

NOTE:

ALL WOOD COMPONENTS SHALL BE TREATED TO CONFORM WITH ANY OF THE ACCEPTED METHODS IN SECTION 714 OF THE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND PUBLIC WORKS CONSTRUCTION", 1994.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MODIFIED ECCENTRIC LOADER
TERMINAL (MELT)
POST LAYOUT & ERECTION DETAILS
KAHEKILI HIGHWAY RESURFACING
Papanahoa Section
Project No. 30A-01-95M
Scale: As Shown Date: February, 1995
SHEET No. 1 OF 4 SHEETS

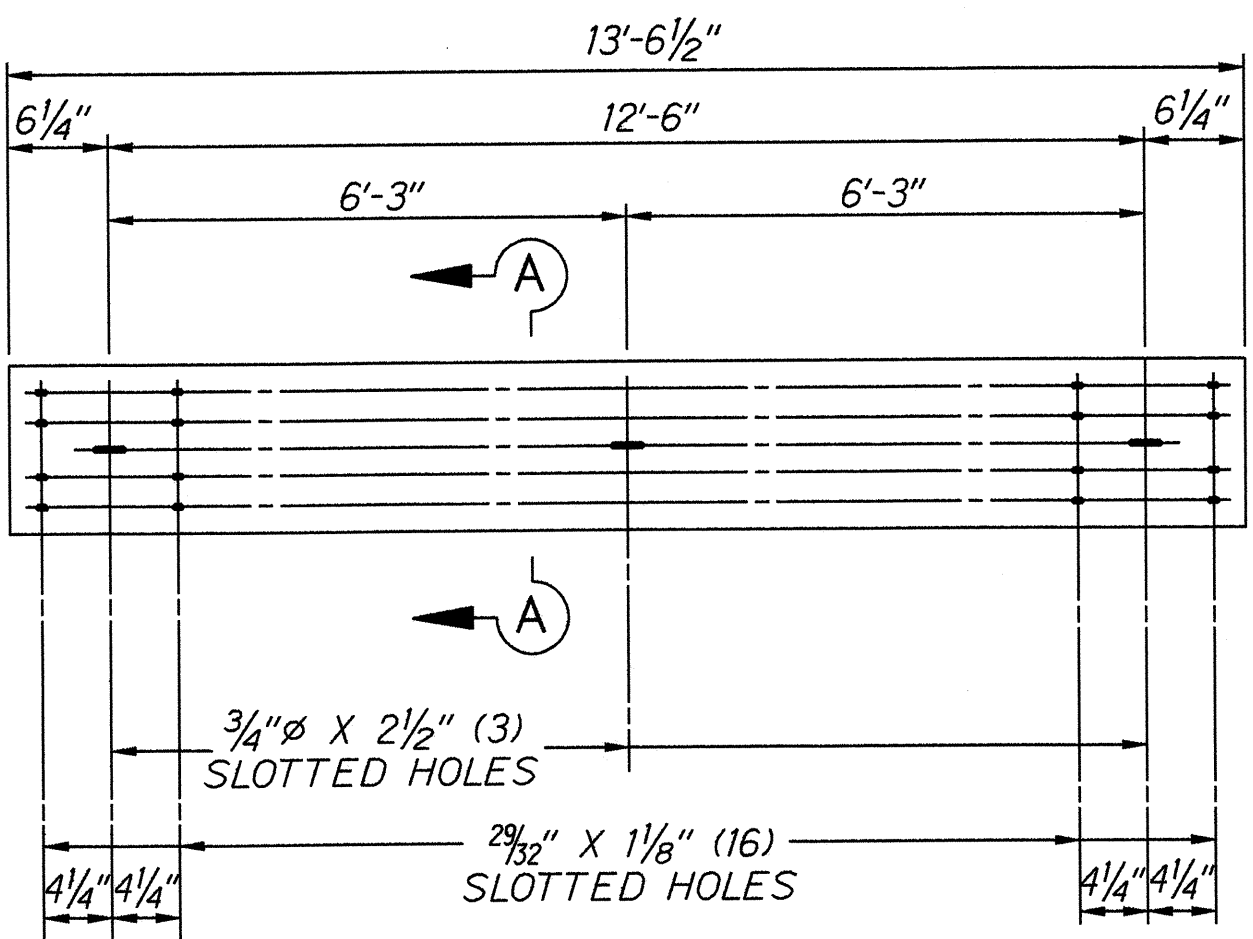


SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
10/16/95	
2/11/96	

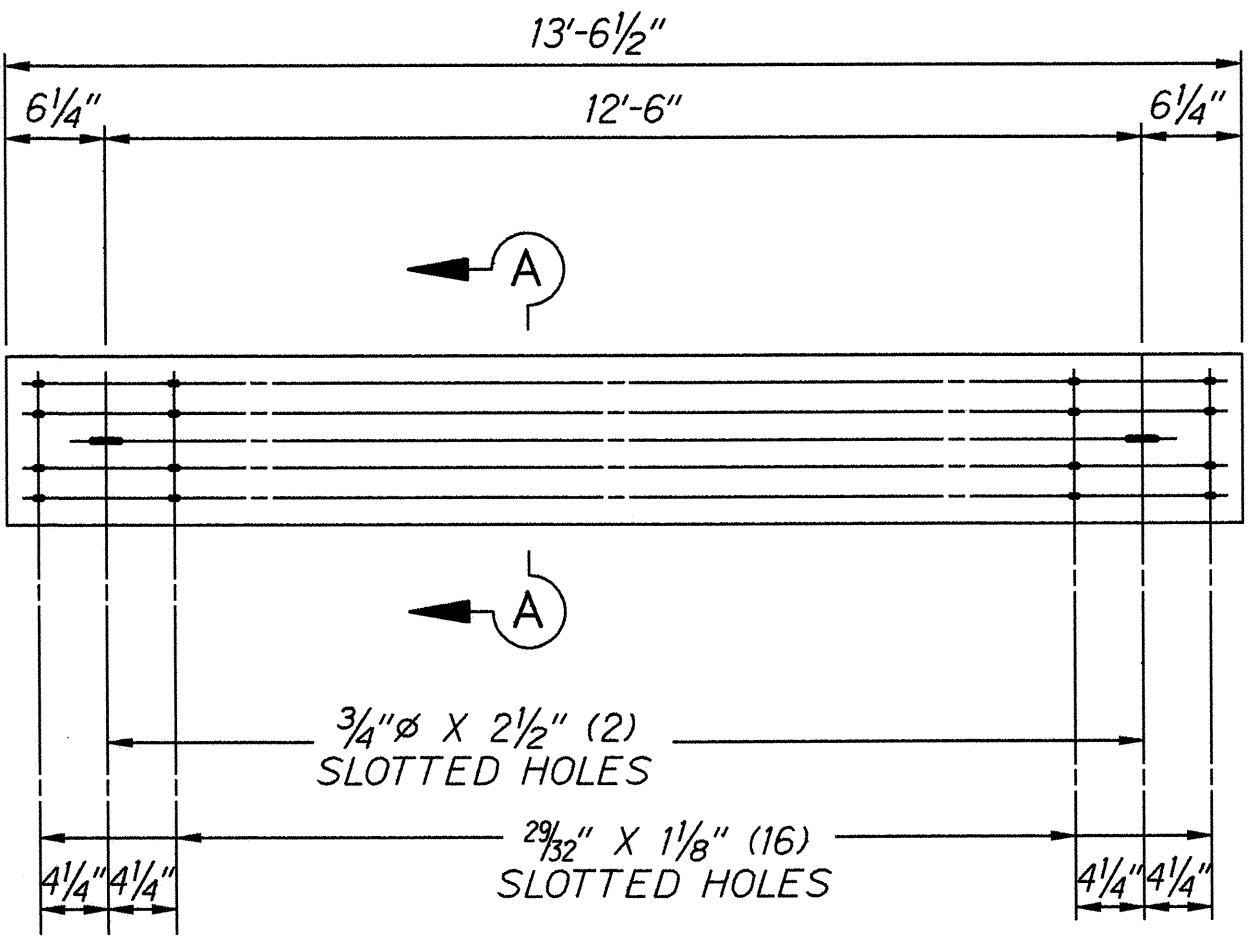
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30A-01-95M	1995	8	26

MATERIAL SCHEDULE					
FIND No.	PIECE MARK	MATERIAL	LENGTH FEET	INCHES	WEIGHT UNIT WEIGHT REMARKS
A1		GUARDRAIL, W-BEAM			95.0 AI23
		12 GA. W-BEAM GUARDRAIL	12	6	89.0 M180
B1		GUARDRAIL, W-BEAM			95.0 AI23
		12 GA. W-BEAM GUARDRAIL	12	6	89.0 M180
C1		GUARDRAIL, W-BEAM			95.0 AI23
		12 GA. W-BEAM GUARDRAIL	12	6	89.0 M180
D1		BREAKAWAY LINE POST			88.0
		TIMBER POST 6 X 8	6	0	352.0 M168
E1		BREAKAWAY POST, SHORT			44.6
		TIMBER POST 5 1/2 X 7 1/2	3	6 1/2	89.2 M168
G1		BLOCK			16.8
		TIMBER BLOCK 5 1/2 X 7 1/2	1	2	84.0 M168
H1		POST			54.9 AI23
		W6 X 8.5	6	0	52.0 A36
J1		BLOCK			11.0 AI23
		W6 X 8.5	1	2	10.1 A36
K1		SOIL TUBE			88.9 AI23
		TS 8 X 6 X .1875	5	0	170.8 A500B
L1		CABLE ANCHOR BRACKET			19.3 AI23
	a	PL 1/4 X 12 3/8	1	4	17.6 A36
	b	PL 1/2 X 2 3/4	0	3	1.17 A36
M1		BEARING PLATE			11.9 AI23
	c	PL 5/8 X 8	0	8	11.3 A36
	d	PL 3/16 X 1	0	8	0.4 A36
R1		POST SLEEVE			1.76 AI23
		PIPE 2" STD	0	5 1/2	1.67 A53
S1		SOIL PLATE			84.8 AI23
		PL 1/4 X 24	2	0	40.8 A36
T1		SHELF ANGLE			3.7 AI23
		PL 1/4 X 6	0	8 1/2	3.61 A36

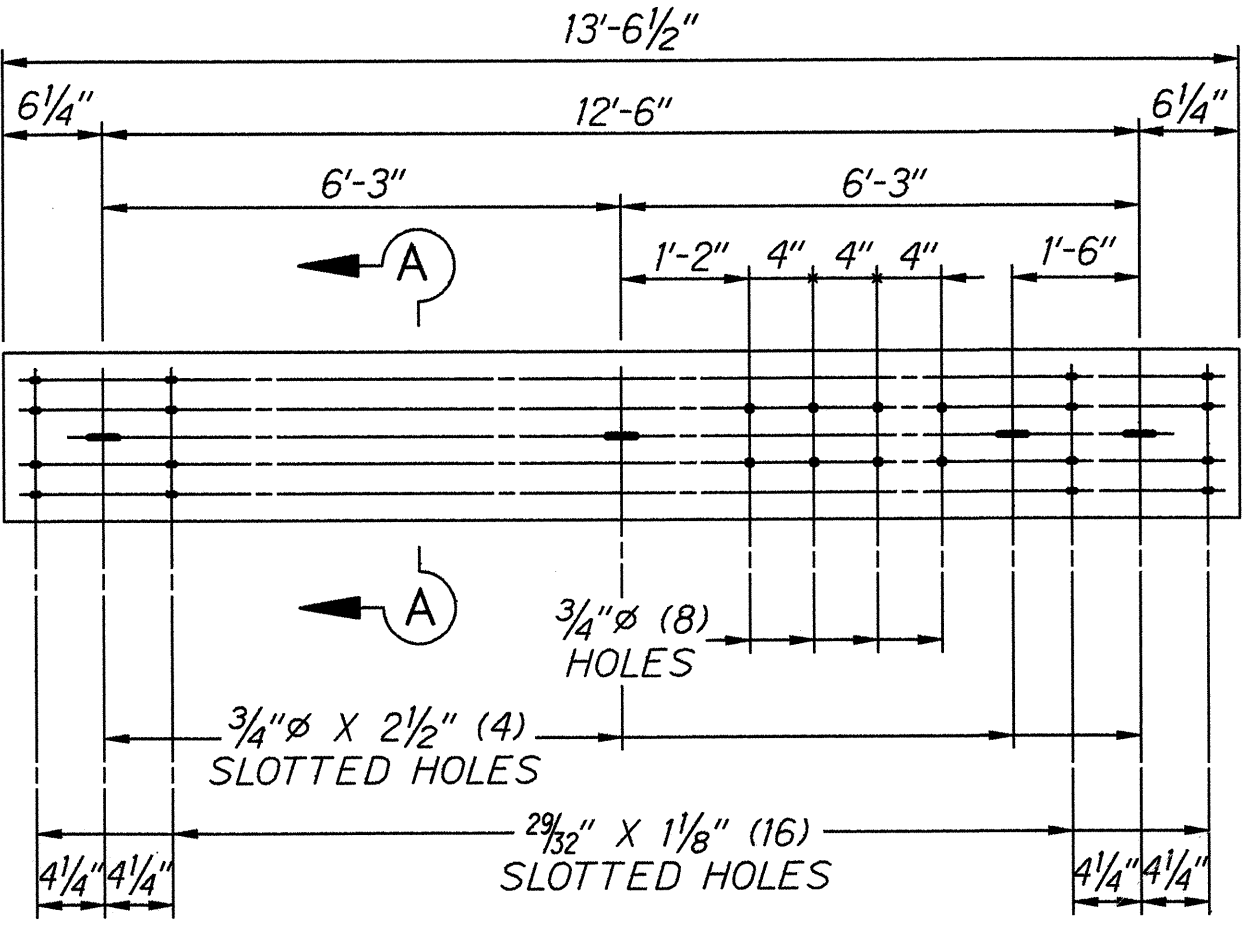
SECTION A - A



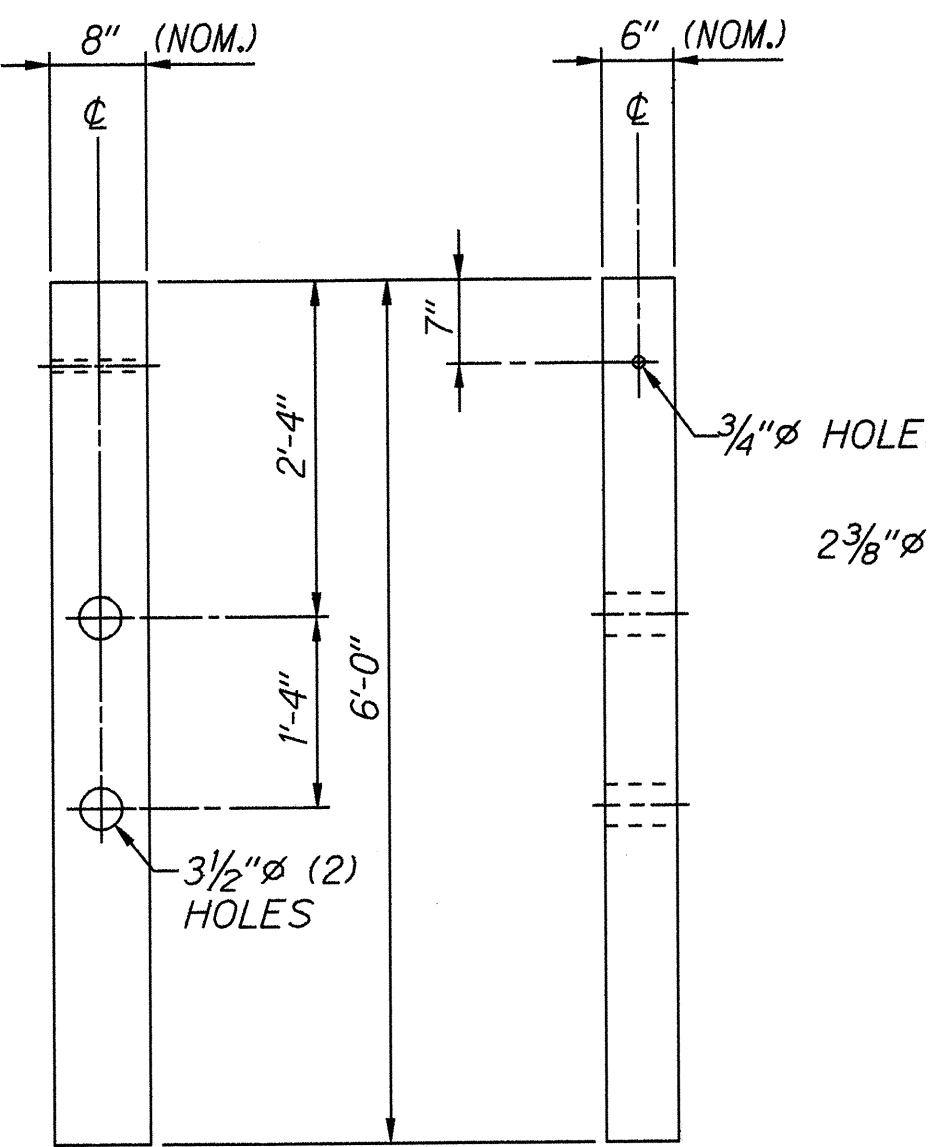
ONE - GUARDRAIL - A1



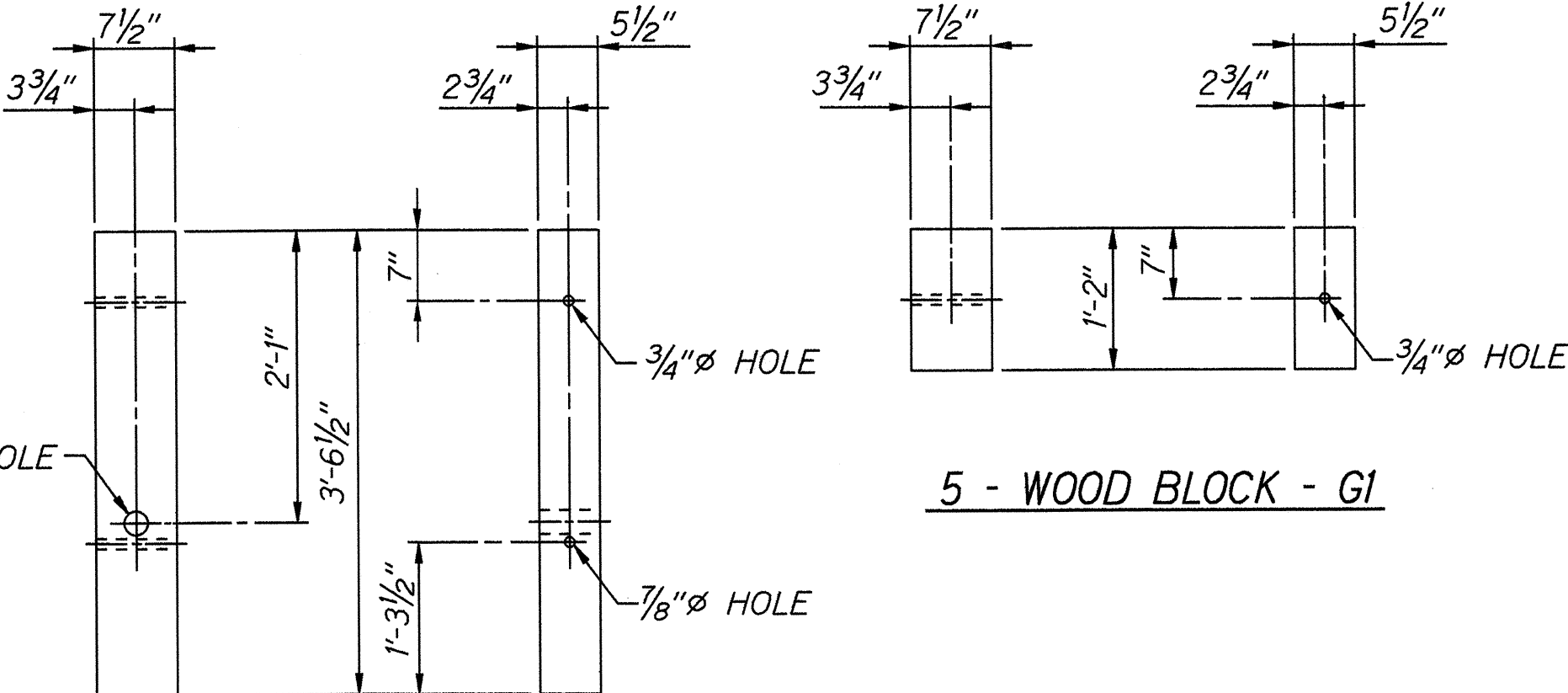
ONE - GUARDRAIL - B1



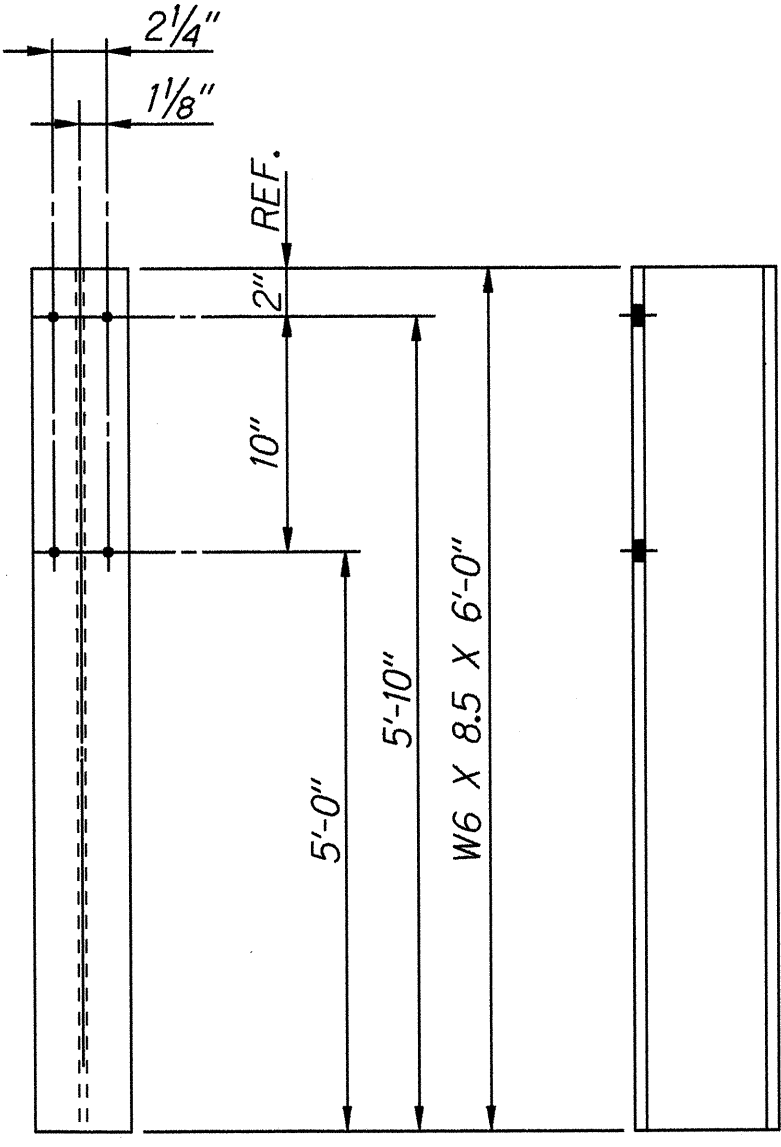
ONE - GUARDRAIL - C1



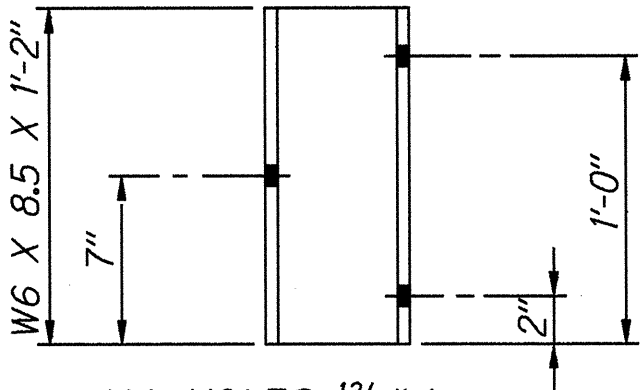
4 - WOOD POST - D1



5 - WOOD BLOCK - G1

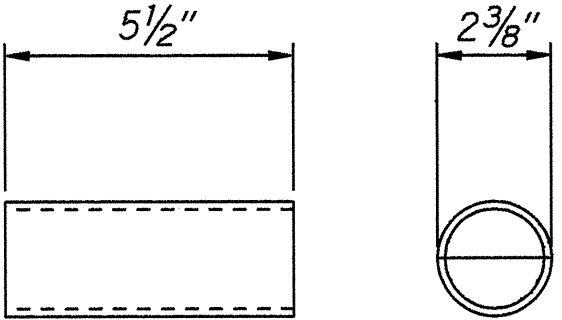


ONE - POST - H1

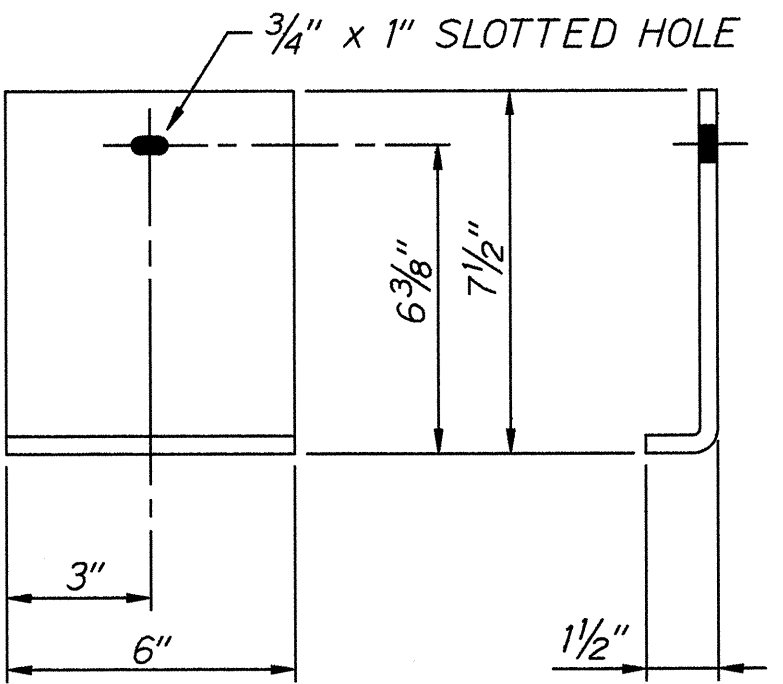


ALL HOLES 13/16" (6) REQD. @ 2 1/4" GA

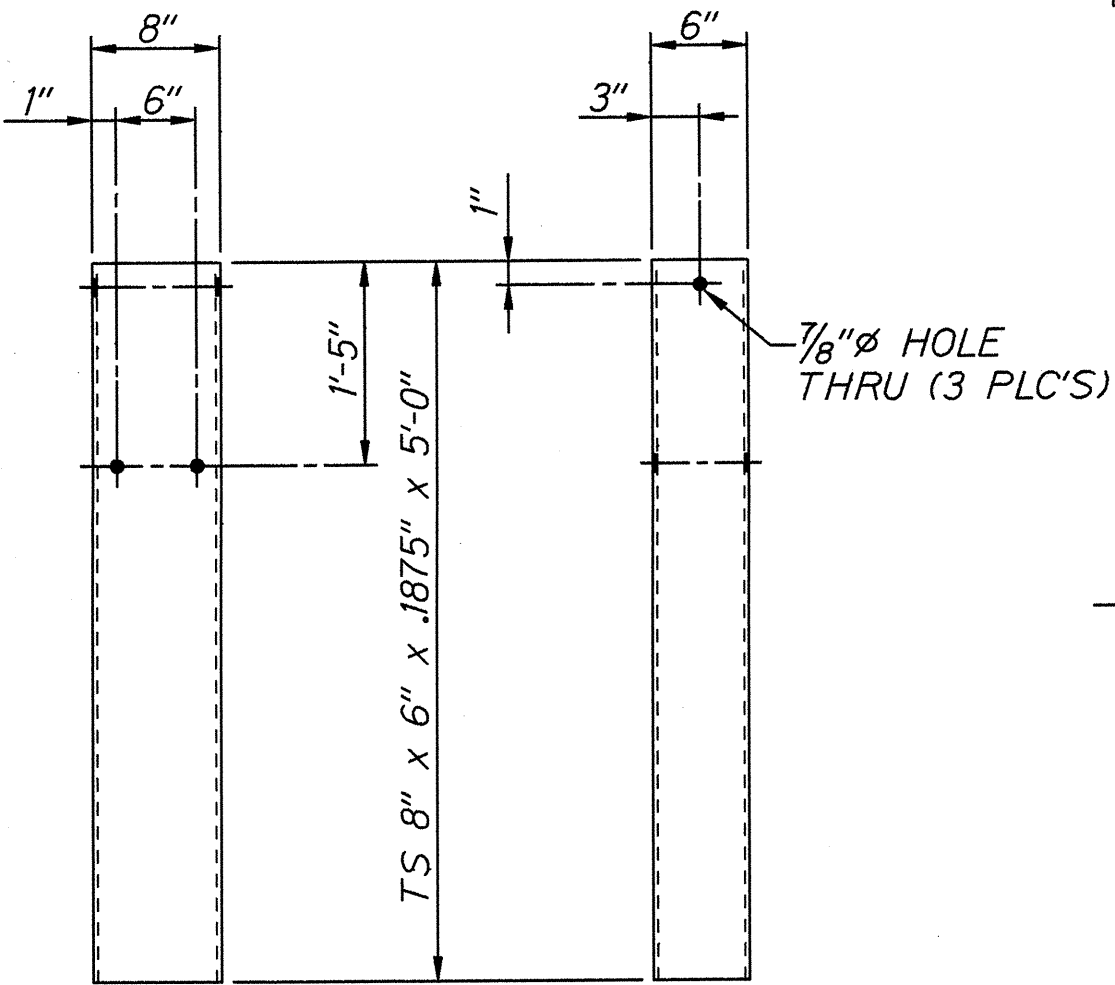
ONE - BLOCK - J1



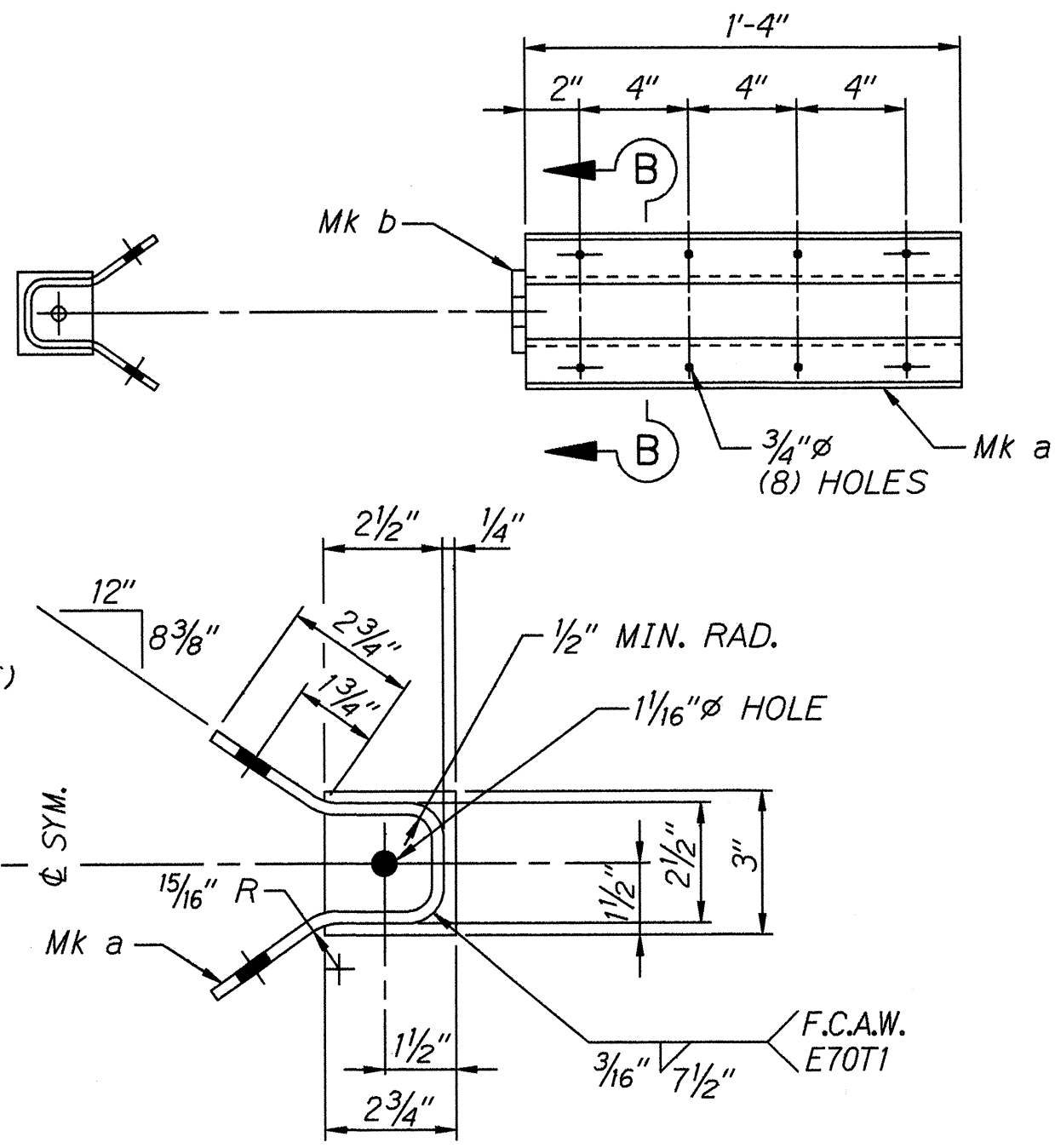
ONE - PIPE SPACER - R1



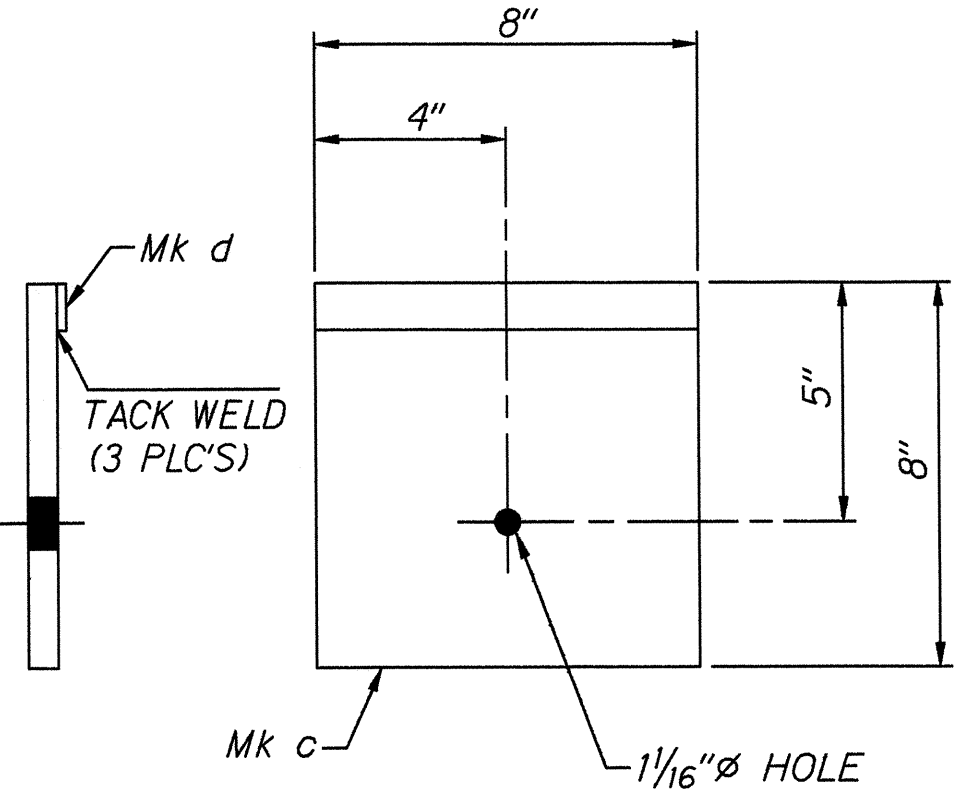
ONE - SHELF ANGLE - T1



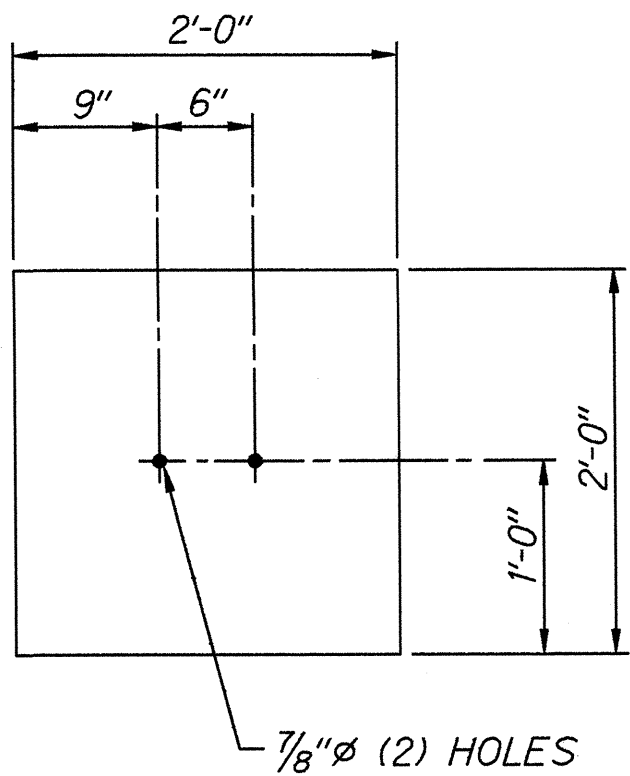
2 - SOIL TUBE - K1



SECTION B - B
ONE - CABLE ANCHOR BRACKET - L1



ONE - BEARING PLATE - M1



2 - SOIL PLATE - S1

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

MODIFIED ECCENTRIC LOADER

TERMINAL (MELT)

COMPONENT DETAILS

KAHEKILI HIGHWAY RESURFACING

Papahao Section

Project No. 30A-01-95M

Scale: As Shown

Date: February, 1995

SHEET No. 3 OF 4 SHEETS

DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NOTED BY	
ORIGINAL	

