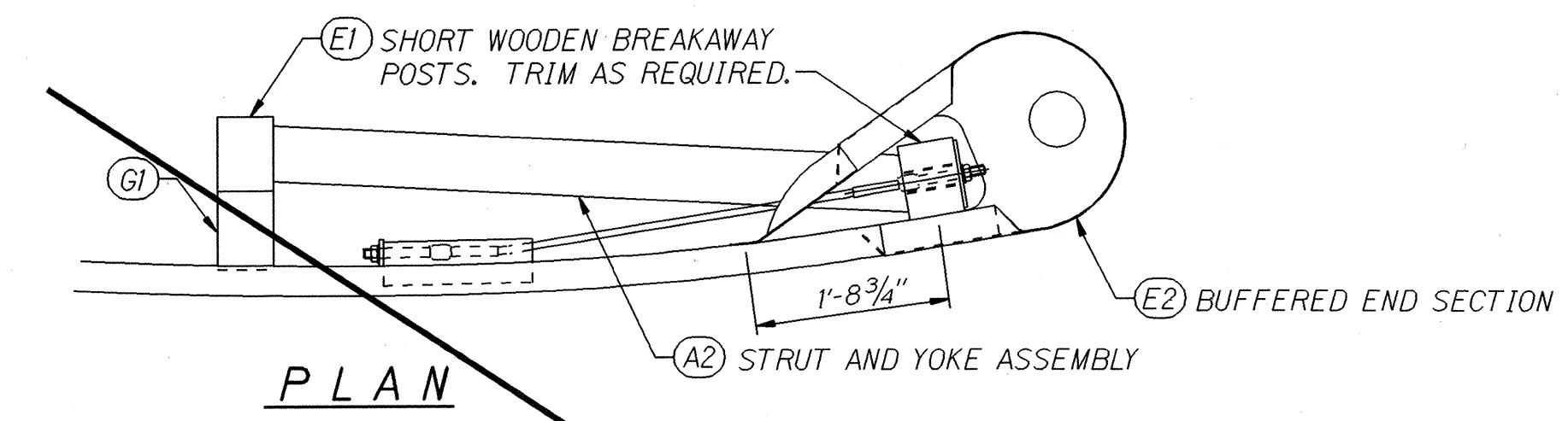


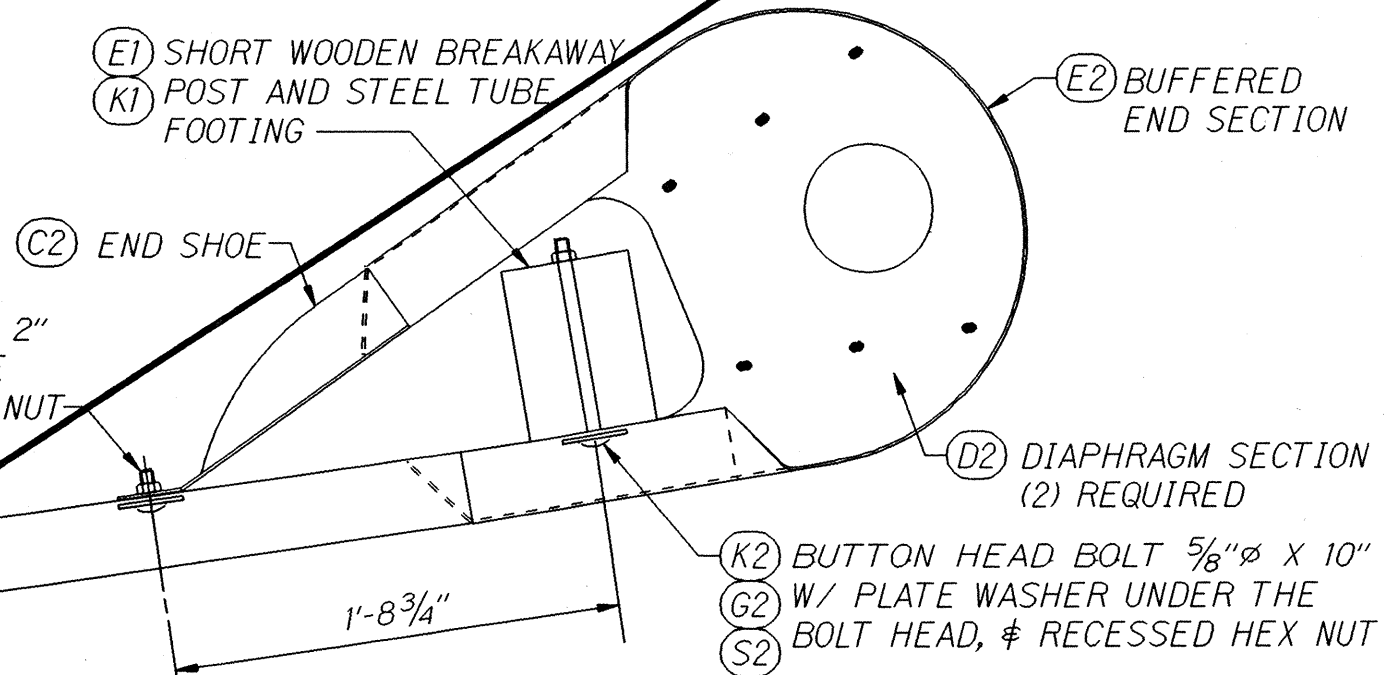
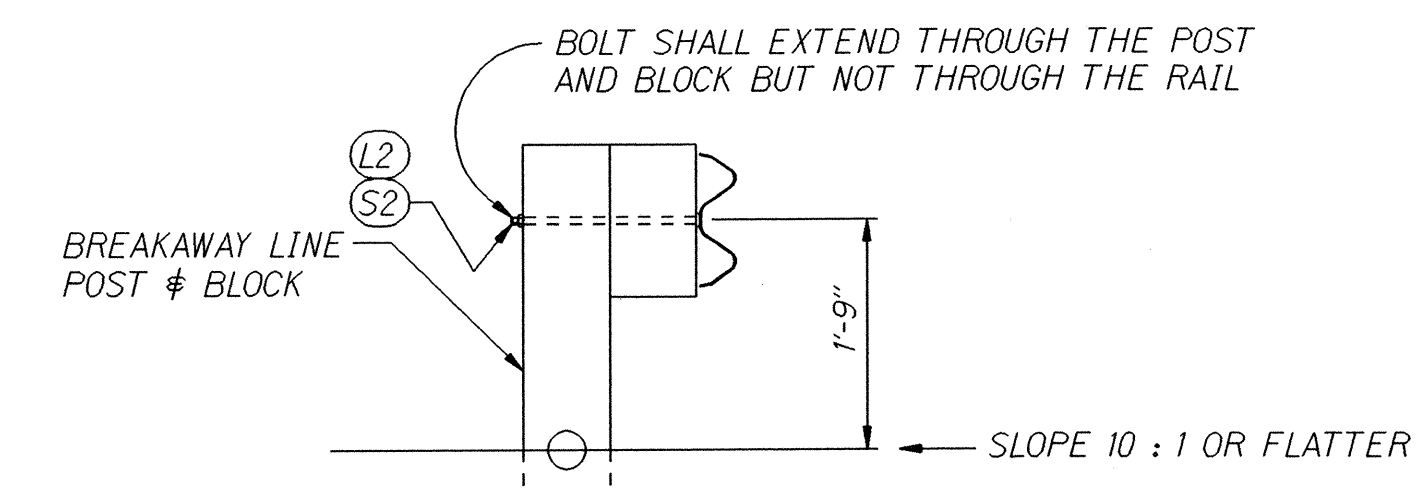
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(35)	1995	24	39

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.



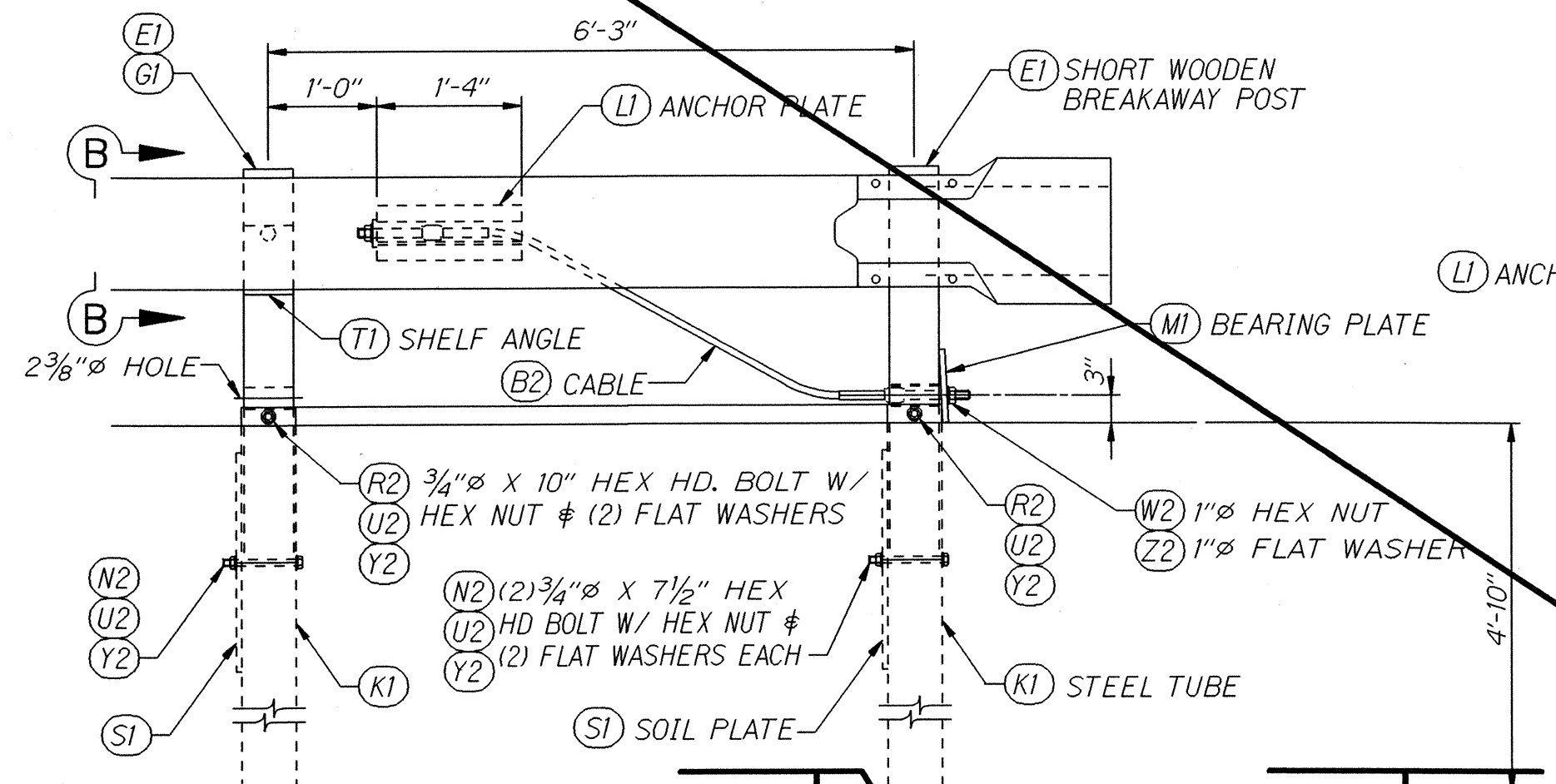
SECTION B - B



BUFFERED END ASSEMBLY

SUMMARY OF COMPONENTS

FIND NO.	DESCRIPTION
(A1)	GUARDRAIL, 12GA X 12'-6"
(B1)	GUARDRAIL, 12GA X 12'-6"
(C1)	GUARDRAIL, 12GA X 12'-6"
(D1)	BREAKAWAY LINE POST, TIMBER - 6" X 8" X 6'-0"
(E1)	BREAKAWAY POST, TIMBER - 5 1/2" X 7 1/2" X 3'-6 1/2"
(G1)	BLOCK, TIMBER - 5 1/2" X 7 1/2" X 1'-2"
(H1)	POST - W6 X 8.5 X 6'-0"
(J1)	BLOCK - W6 X 8.5 X 1'-2"
(K1)	SOIL TUBE - TS 8 X 6 X .188 X 5'-0"
(L1)	CABLE ANCHOR BRACKET
(M1)	BEARING PLATE
(R1)	PIPE SPACER
(S1)	SOIL PLATE
(T1)	SHELF ANGLE
(A2)	STRUT & YOKE ASSEMBLY
(B2)	CABLE ASSEMBLY
(C2)	END SHOE
(D2)	DIAPHRAGM PLATE
(E2)	BUFFERED END SECTION
(G2)	WASHER, PLATE
(J2)	BOLT, SPLICE 5/8" X 1 1/4"
(K2)	BOLT, POST 5/8" X 2"
(L2)	BOLT, POST 5/8" X 10"
(M2)	BOLT, POST 5/8" X 18"
(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"

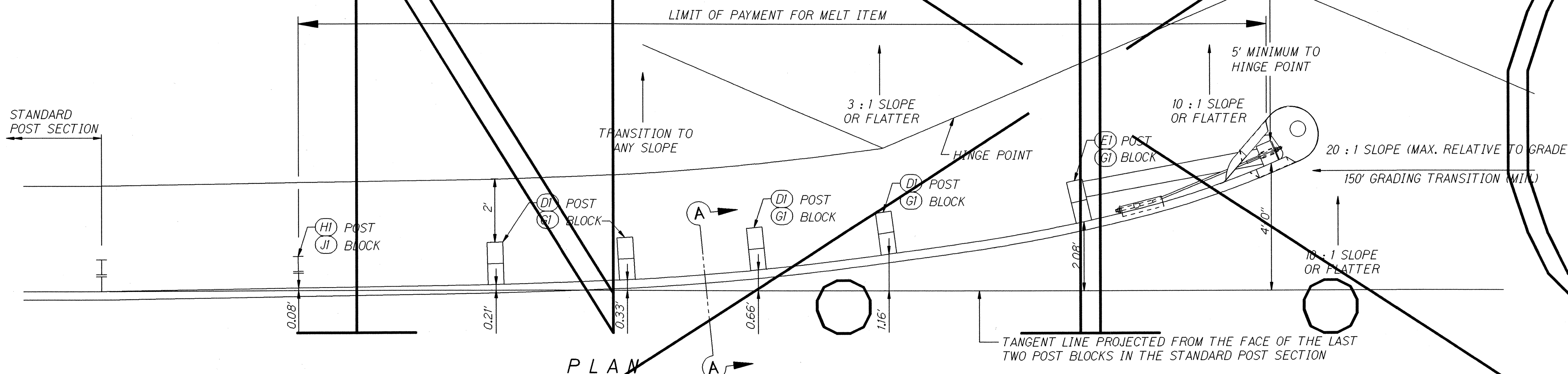


ELEVATION

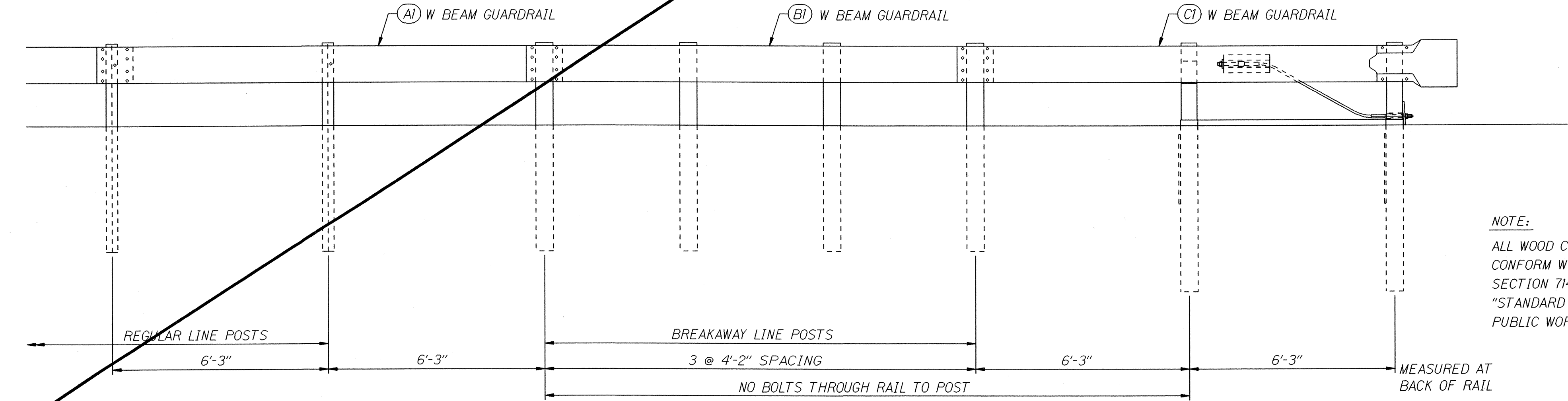
BUFFERED END & ANCHORAGE ASSEMBLY

ANCHOR PLATE ASSEMBLY DETAILS

SECTION A - A



PLAN



ELEVATION

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

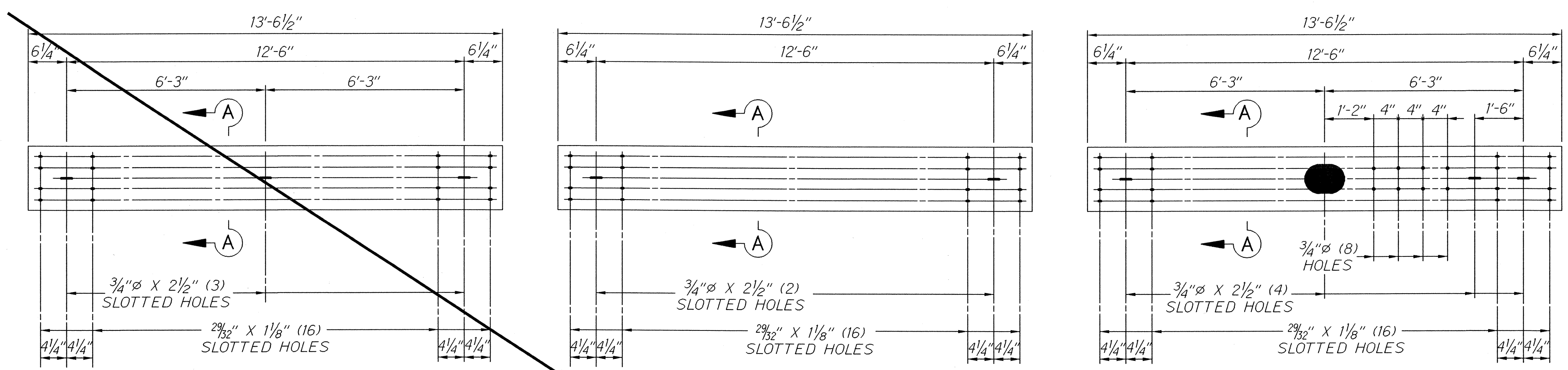
MODIFIED ECCENTRIC LOADER
TERMINAL (MELT)
POST LAYOUT & ERECTION DETAILS
PAPAIKOU TO PEPEKEO
F.A. PROJECT NO. STP-019-2(35)
Not to Scale
Date: April, 1995

SHEET No. 1 OF 3 SHEETS

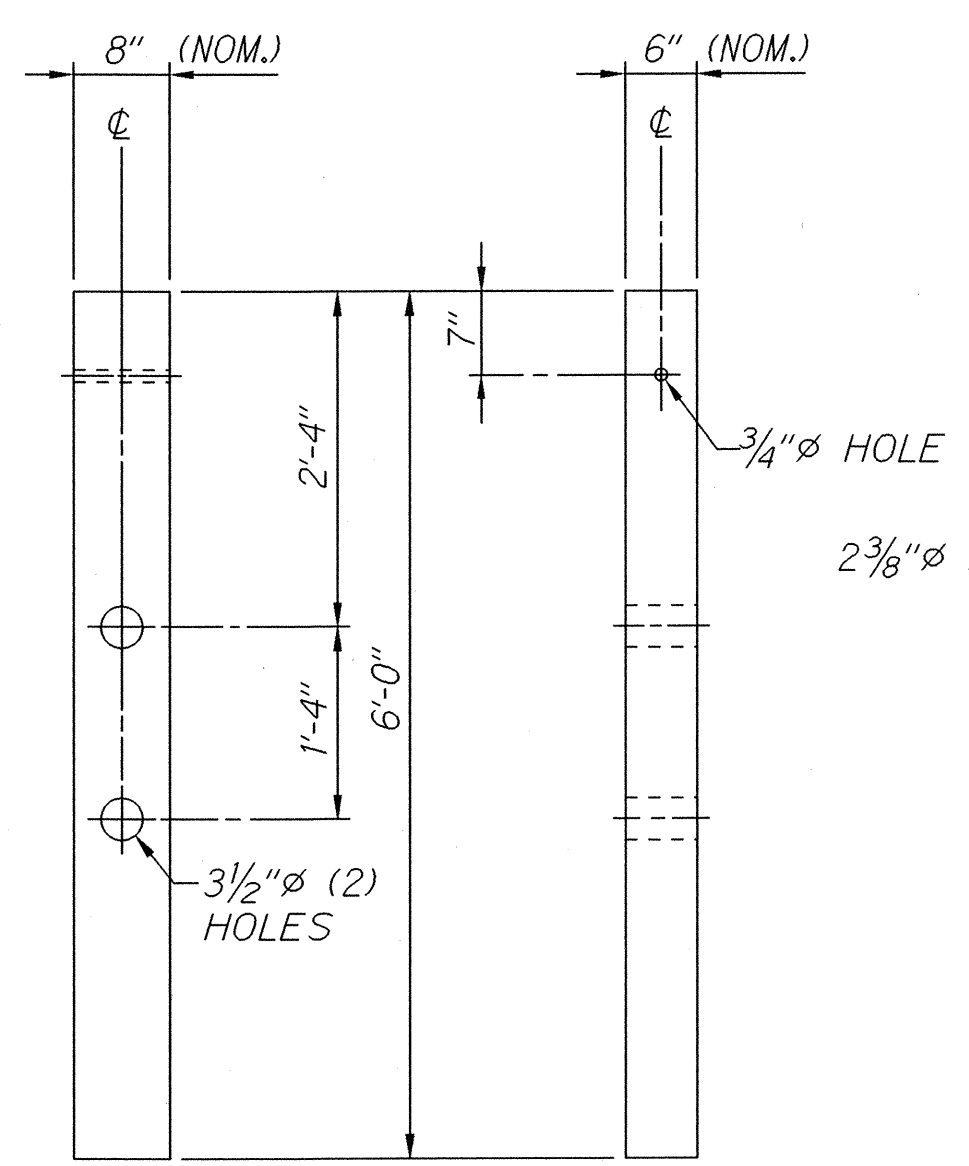
SURVEY PLOTTED BY	DATE
DESIGNED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(35)	1995	25	39

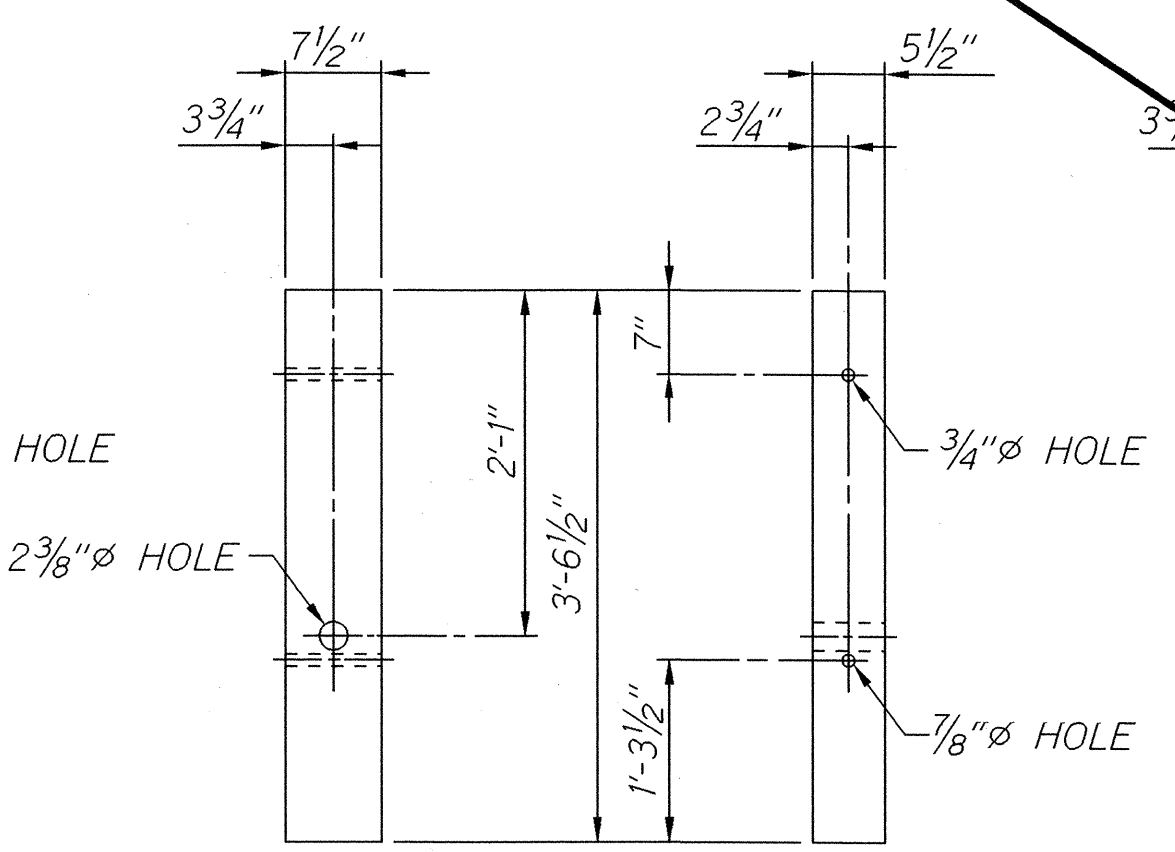
MATERIAL SCHEDULE					
FIND NO.	PIECE MARK	MATERIAL	LENGTH FEET	WEIGHT	REMARKS
AI		GUARDRAIL, W-BEAM		95.0	A123
		12 GA. W-BEAM GUARDRAIL	12	6	M180
BI		GUARDRAIL, W-BEAM		95.0	A123
		12 GA. W-BEAM GUARDRAIL	12	6	M180
CI		GUARDRAIL, W-BEAM		95.0	A123
		12 GA. W-BEAM GUARDRAIL	12	6	M180
DI		BREAKAWAY LINE POST		88.0	
		TIMBER POST 6 X 8	6	0	M168
EI		BREAKAWAY POST, SHORT		44.6	
		TIMBER POST 5 1/2 X 7 1/2	3	6 1/2	M168
GI		BLOCK		16.8	
		TIMBER BLOCK 5 1/2 X 7 1/2	1	2	M168
HI		POST		54.9	A123
		W6 X 8.5	6	0	A36
JI		BLOCK		11.0	A123
		W6 X 8.5	1	2	A36
KI		SOIL TUBE		88.9	A123
		TS 8 X 6 X .1875	5	0	A500B
LI		CABLE ANCHOR BRACKET		19.3	A123
a		PL 1/4 X 12 3/8	1	4	A36
b		PL 1/2 X 2 3/4	0	3	A36
MI		BEARING PLATE		11.9	A123
c		PL 5/8 X 8	0	8	A36
d		PL 3/16 X 1	0	8	A36
RI		POST SLEEVE		1.76	A123
		PIPE 2" STD	0	5 1/2	A53
SI		SOIL PLATE		84.8	A123
		PL 1/4 X 24	2	0	A36
TI		SHELF ANGLE		3.7	A123
		PL 1/4 X 6	0	8 1/2	A36



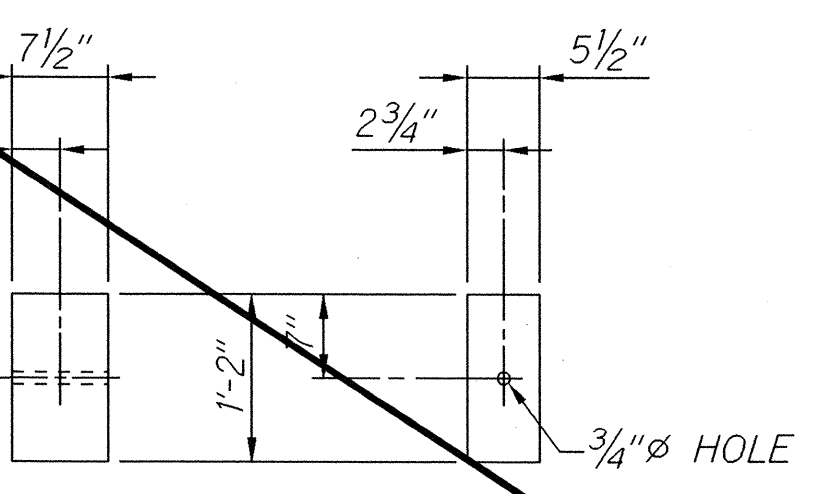
SECTION A - A



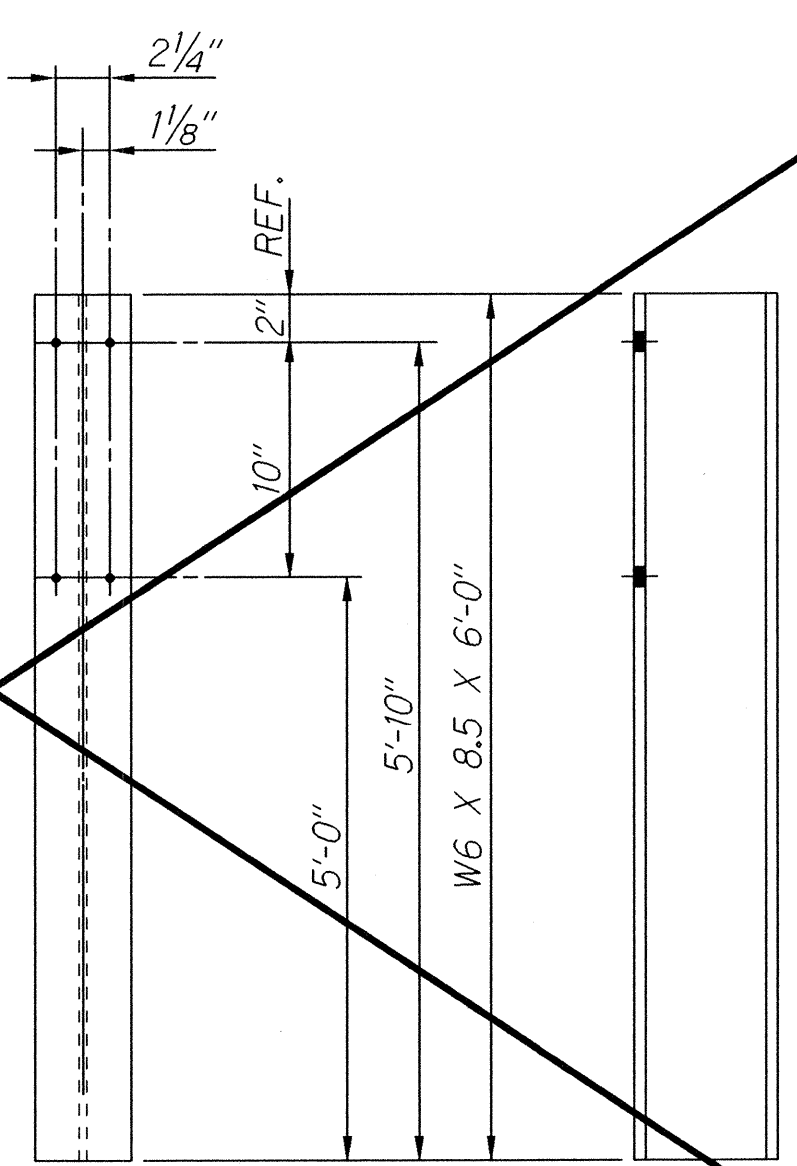
4 - WOOD POST - DI



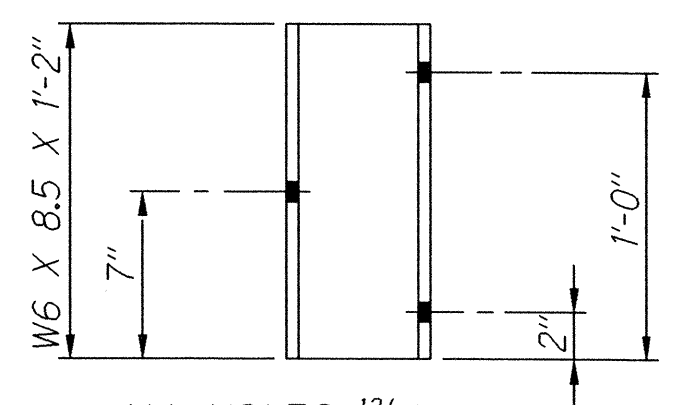
2 - WOOD POST - EI



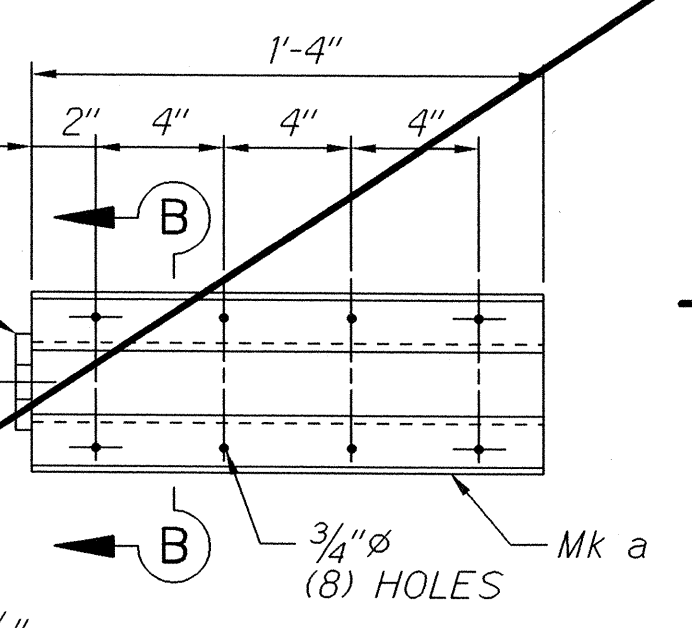
5 - WOOD BLOCK - GI



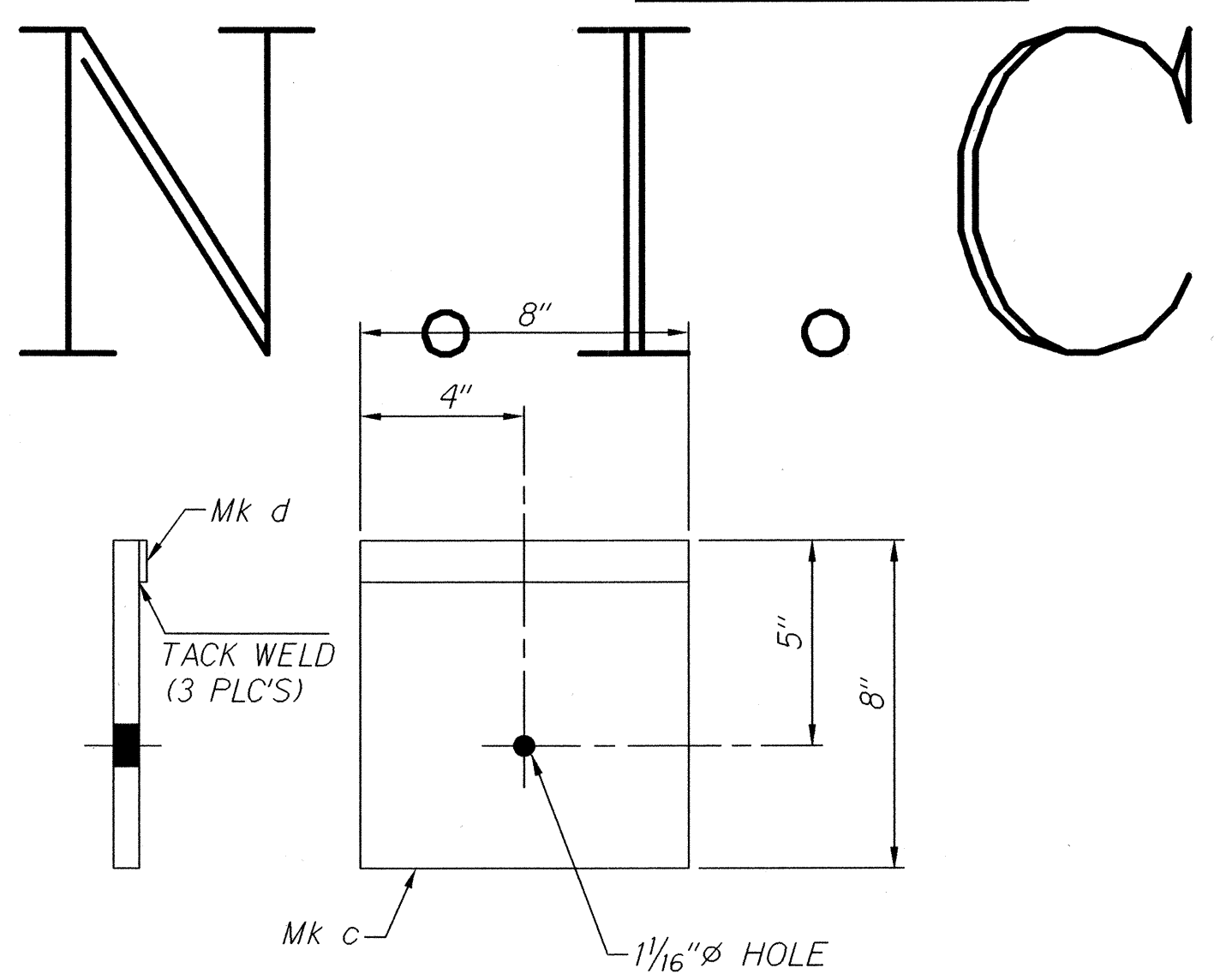
ONE - POST - HI



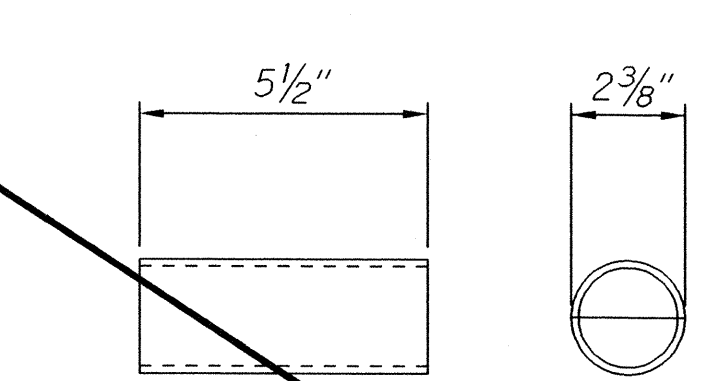
ONE - BLOCK - JI



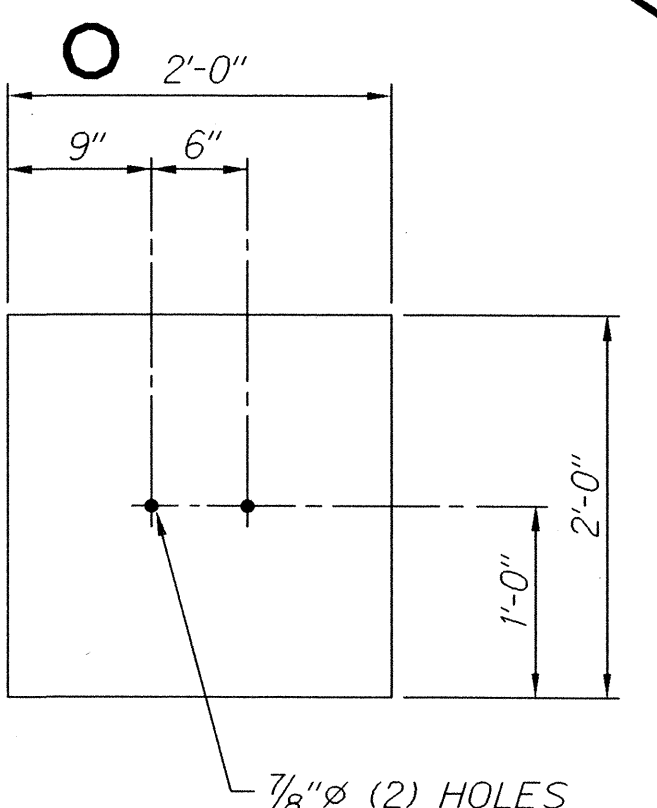
ONE - CABLE ANCHOR BRACKET - LI



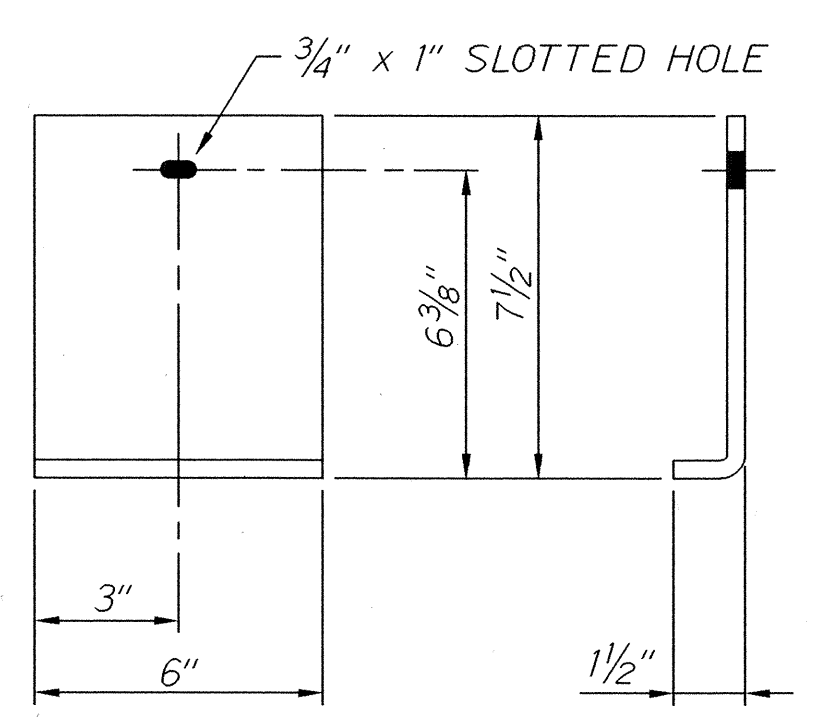
ONE - BEARING PLATE - MI



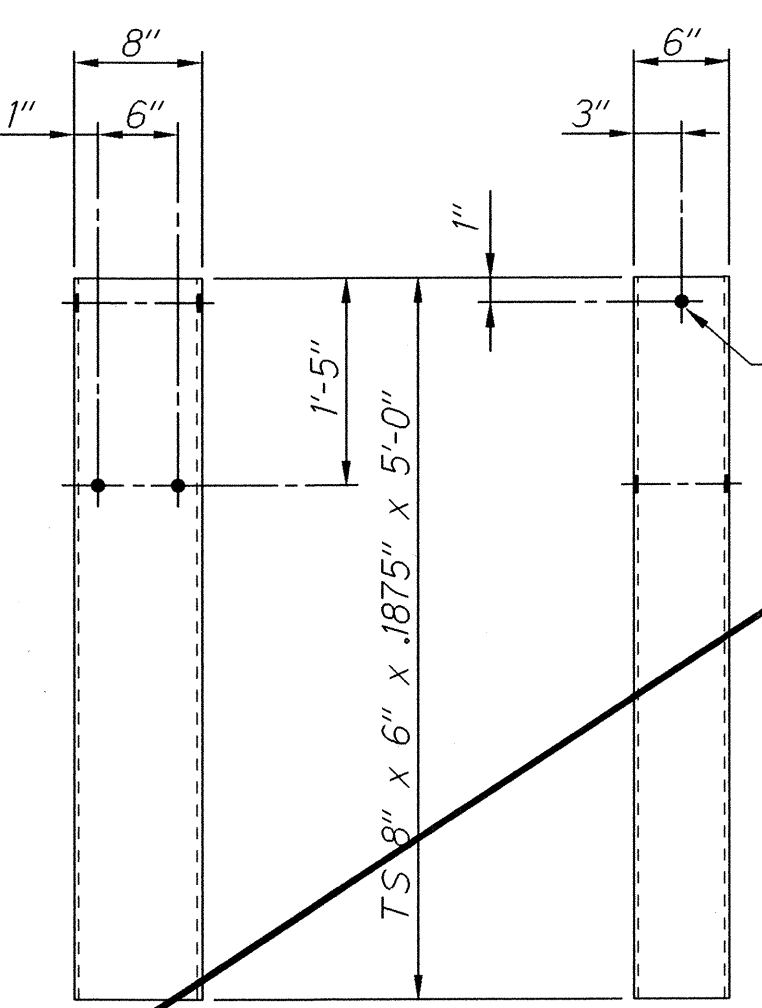
ONE - PIPE SPACER - RI



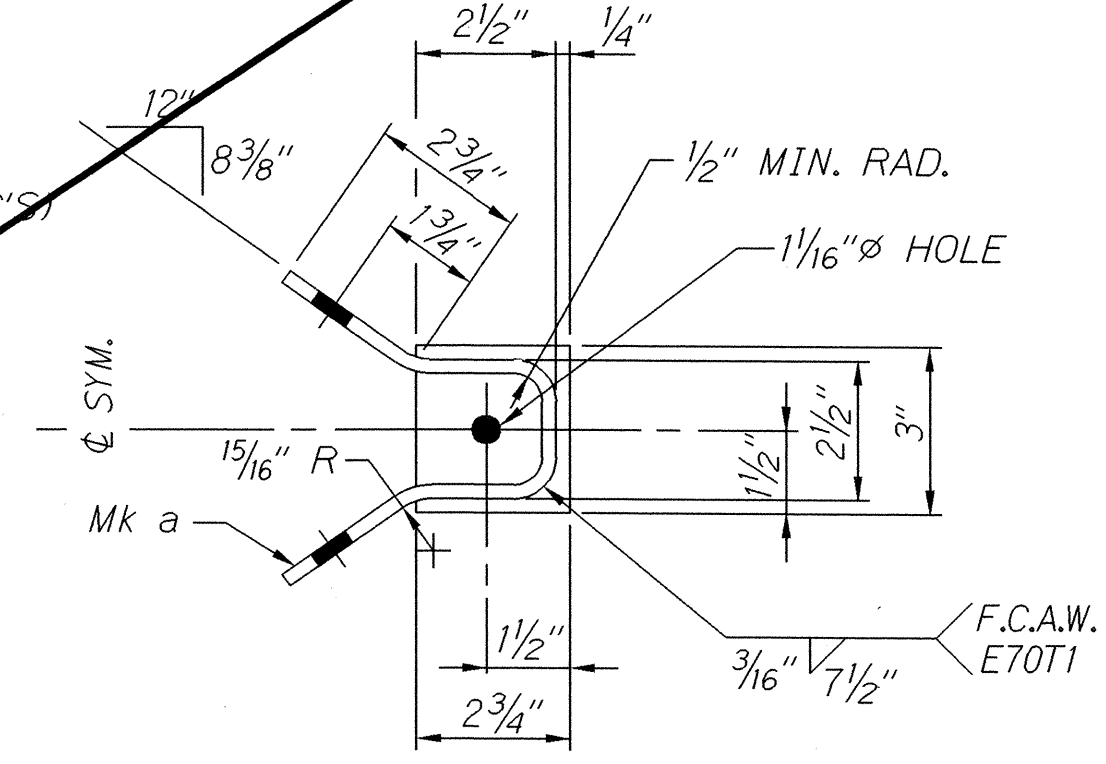
2 - SOIL PLATE - SI



ONE - SHELF ANGLE - TI



2 - SOIL TUBE - KI



SECTION B - B

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**MODIFIED ECCENTRIC LOADER
TERMINAL (MELT)**

COMPONENT DETAILS

PAPAIOU TO PEPEKEO
F.A. PROJECT NO. STP-019-2(35)

Not to Scale Date: April, 1995

SHEET No. 2 OF 3 SHEETS

"AS-BUILT"

