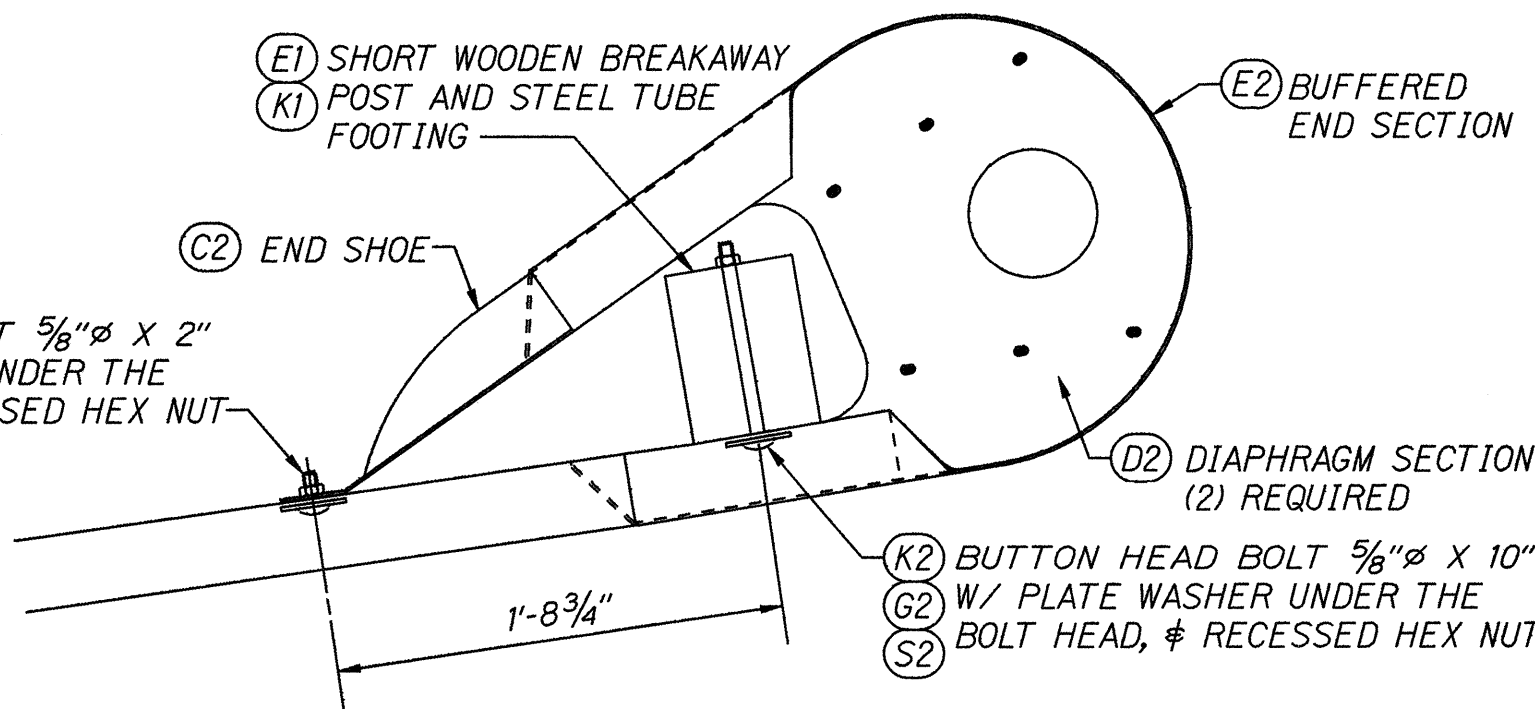


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(42)	1996	10	24

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

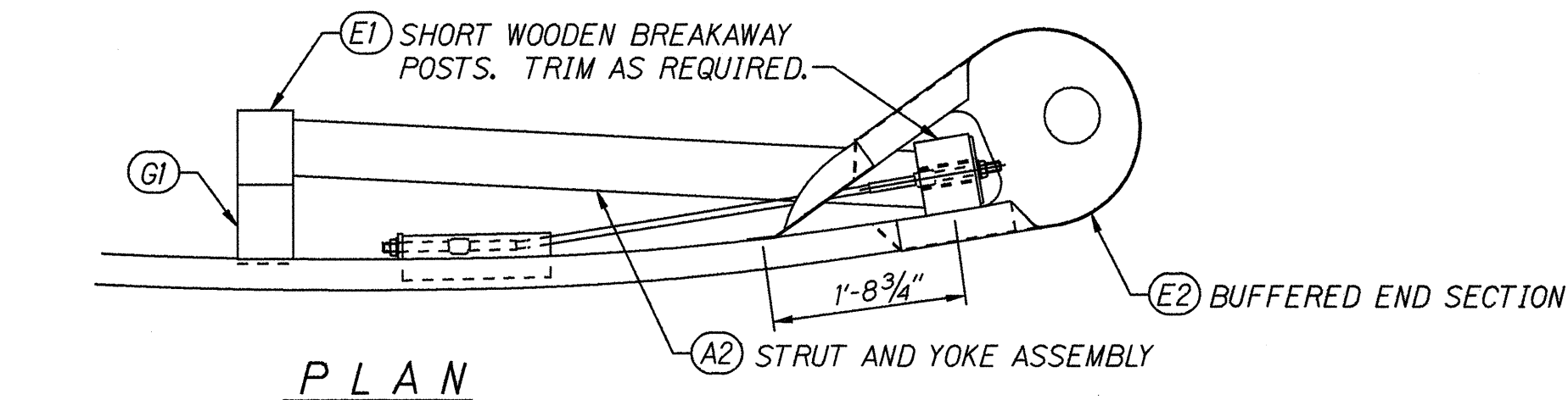
SUMMARY OF COMPONENTS

FIND NO.	DESCRIPTION
(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
(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:

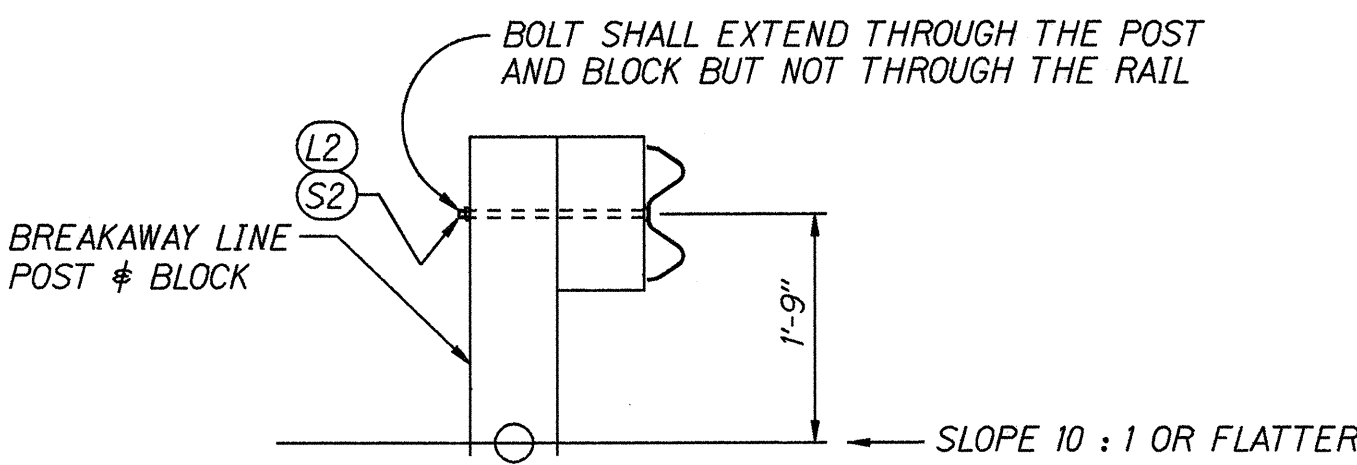
ALL WOOD COMPONENTS SHALL BE TREATED TO CONFORM WITH ANY OF THE ACCEPTED METHODS IN SECTION 714 OF THE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND PUBLIC WORKS CONSTRUCTION", 1994.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MODIFIED ECCENTRIC LOADER
TERMINAL (MELT)
KALANIANA'OLE HIGHWAY
Intersection Improvements at Kealahou Street
Fed. Aid Project No. STP-072-1(42)
Not to Scale Date: Sept., 1995
SHEET No. 1 OF 3 SHEETS

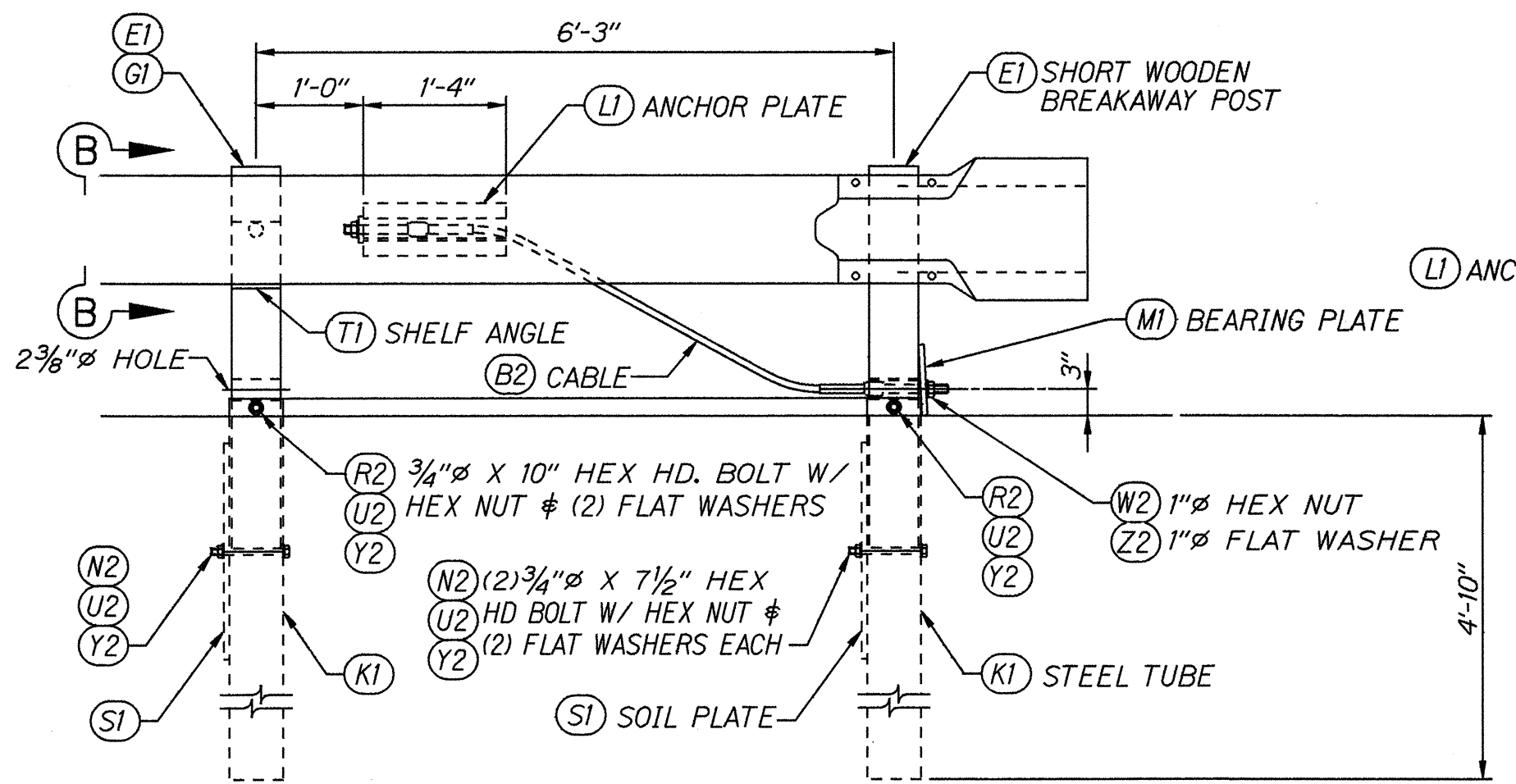


PLAN

SECTION N B - B

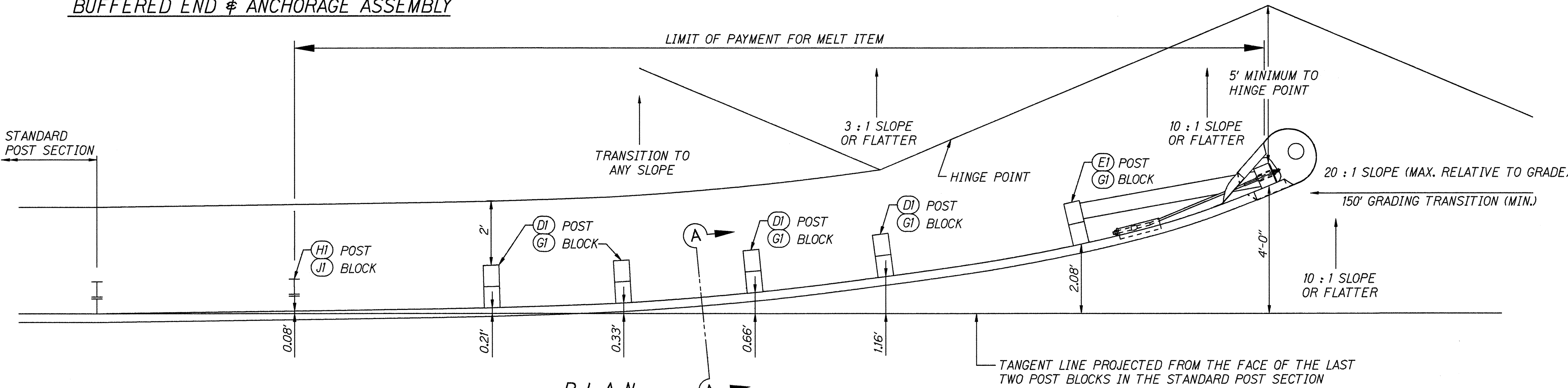


SECTION N A - A

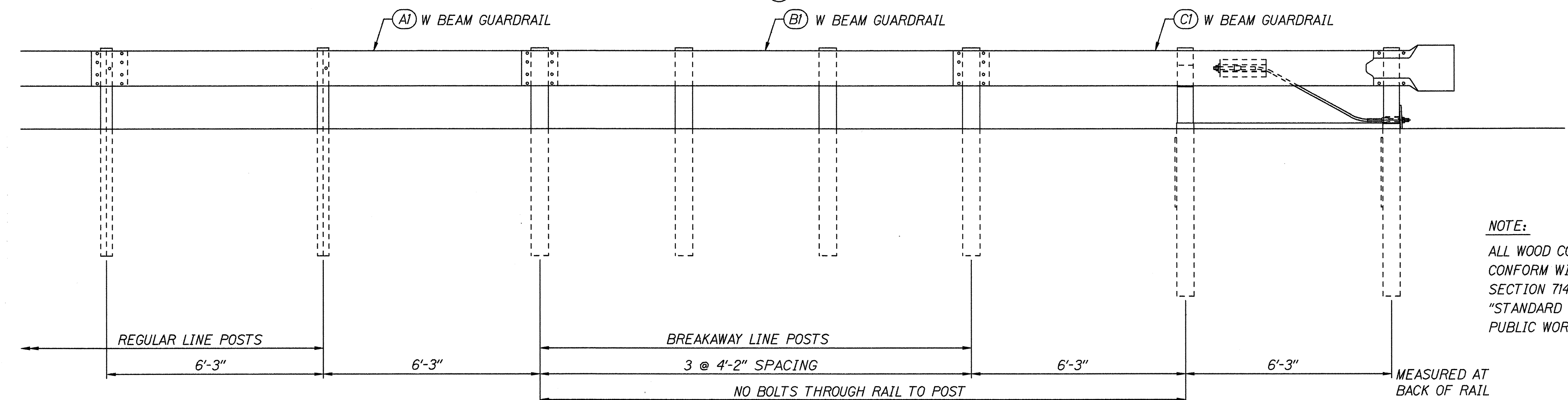


ELEVATION

BUFFERED END & ANCHORAGE ASSEMBLY



PLAN

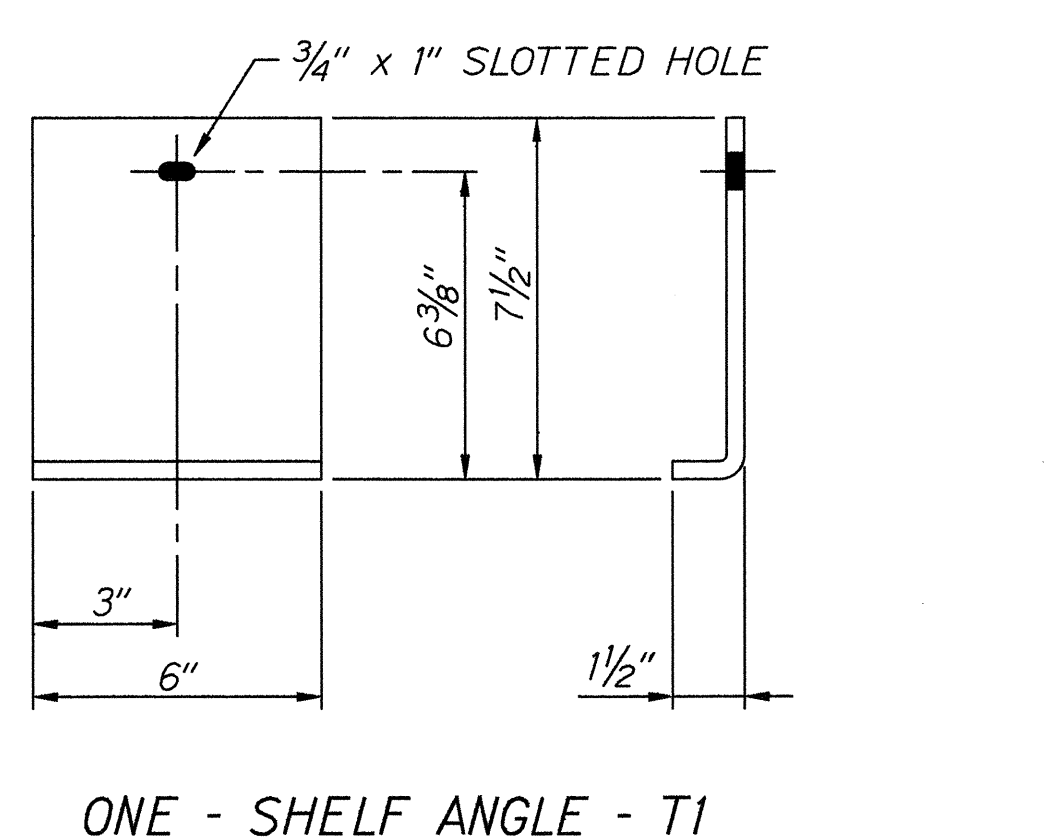
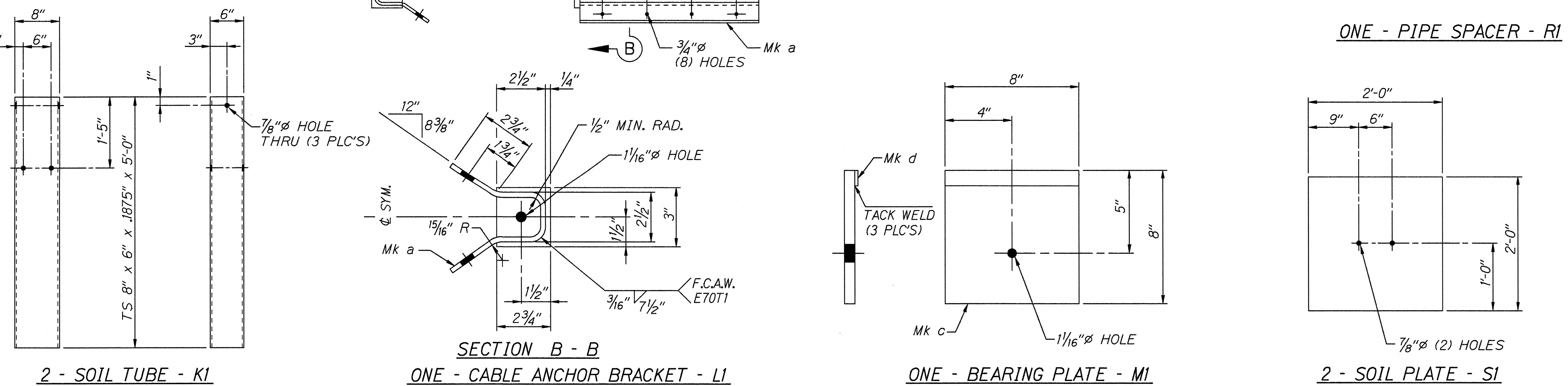
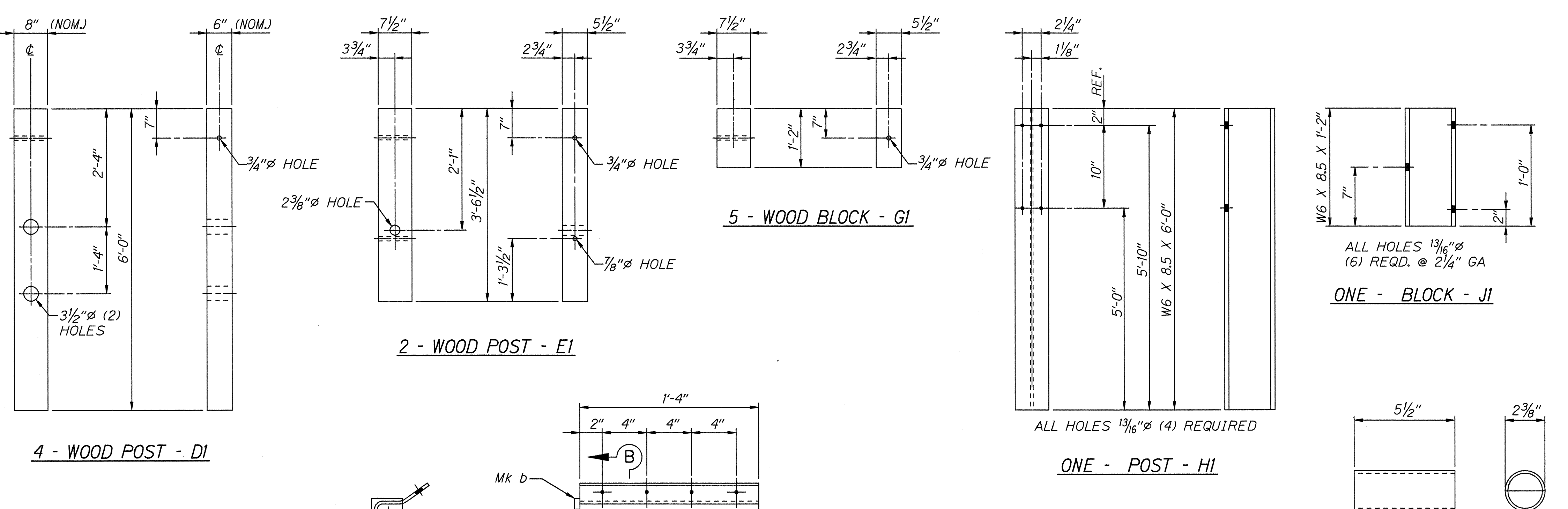
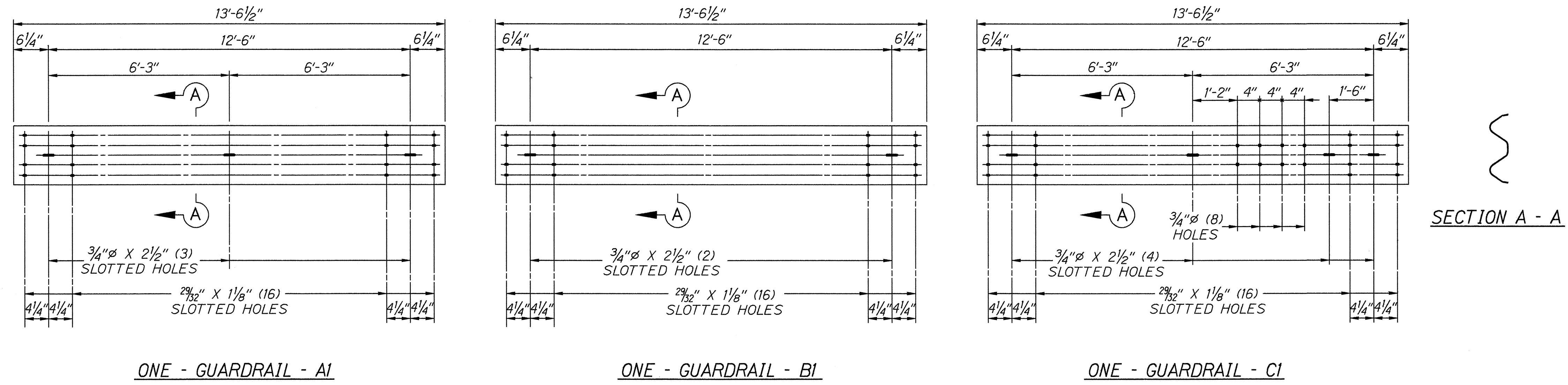


ELEVATION

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
10/1/95	
N. Ashimori	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(42)	1996	11	24

MATERIAL SCHEDULE					
FIND No.	PIECE MARK	MATERIAL	LENGTH		UNIT
			FEET	INCHES	WEIGHT
AI		GUARDRAIL, W-BEAM			95.0
		12 GA. W-BEAM GUARDRAIL	12	6	89.0
BI		GUARDRAIL, W-BEAM			95.0
		12 GA. W-BEAM GUARDRAIL	12	6	89.0
CI		GUARDRAIL, W-BEAM			95.0
		12 GA. W-BEAM GUARDRAIL	12	6	89.0
DI		BREAKAWAY LINE POST			88.0
		TIMBER POST 6 X 8	6	0	352.0
EI		BREAKAWAY POST, SHORT			44.6
		TIMBER POST 5 1/2 X 7 1/2	3	6 1/2	89.2
GI		BLOCK			16.8
		TIMBER BLOCK 5 1/2 X 7 1/2	1	2	84.0
HI		POST			54.9
		W6 X 8.5	6	0	52.0
JI		BLOCK			11.0
		W6 X 8.5	1	2	10.1
KI		SOIL TUBE			88.9
		TS 8 X 6 X .1875	5	0	170.8
LI		CABLE ANCHOR BRACKET			19.3
	a	PL 1/4 X 12 3/8	1	4	17.6
	b	PL 1/2 X 2 3/4	0	3	1.17
MI		BEARING PLATE			11.9
	c	PL 5/8 X 8	0	8	11.3
	d	PL 3/16 X 1	0	8	0.4
RI		POST SLEEVE			1.76
		PIPE 2" STD	0	5 1/2	1.67
SI		SOIL PLATE			84.8
		PL 1/4 X 24	2	0	40.8
TI		SHELF ANGLE			3.7
		PL 1/4 X 6	0	8 1/2	3.61



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MODIFIED ECCENTRIC LOADER

TERMINAL (MELT)

KALANIANA'OLE HIGHWAY

Intersection Improvements at Kealahou Street

Fed. Aid Project No. STP-072-1(42)

Not to Scale Date: Sept., 1995

SHEET No. 2 OF 3 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	

