

FISCAL SHEET YEAR NO. DIST. NO. HAW. NH-030-1(28) 2002

NO.	QTY	BILL OF MATERIALS
F3000	1	IMPACT HEAD
F1303	1	W-BEAM GUARDRAIL END SECTION, 12 GA.
F1304	1	W-BEAM GUARDRAIL CENTER SECTION, 12 GA.
G1203	1	W-BEAM GUARDRAIL, 12 GA.
<i>S730</i>	2	*FOUNDATION SOIL TUBE, 6" x 8" x 72"
E750	1	BEARING PLATE
<i>S</i> 760	1	CABLE ANCHOR BOX
E770	1	BCT CABLE ANCHOR ASSEMBLY
E780	1	GROUND STRUT
PB620	2	STEEL BREAKAWAY END POST
PB621	5	STEEL BREAKAWAY LINE POST
	5	RECYCLED PLASTIC BLOCKOUT OR OFFSET BLOCK
<u> </u>		HARDWARE
B580122	25	5/8" Dia. x 11/4" SPLICE BOLT, POST #2
B580754	2	5/8" Dia. x 71/2" HEX BOLT
B341004	2	3/4" Dia. x 10" HEX BOLT
B581002	5	5/8" Dia. x 10" H.G.R. BOLT (POST 3 THRU 7)
N050	32	5/8" Dia. H.G.R. NUT (SPLICE 24, SOIL TUBES 2,
N030	2	¾" Dia. HEX NUT
W050	6	H.G.R. WASHER
W030	4	3/4" ID WASHER
N100	2	1" ANCHOR CABLE HEX NUT
W100	2	1" ANCHOR CABLE WASHER
B140404	2	1/4" x 4" HEX BOLT
N014	2	1/4" HEX NUT
W014	4	1/4" WASHER
SB58A	8	CABLE ANCHOR BOX SHOULDER BOLT
N055A	8	1/2" A325 STRUCTURAL NUT
W050A	16	1/16" OD x 9/16" ID A325 STR. WASHER

Foundation Tube Options For Posts 1 \$ 2

*6'-0" Split Foundation Tubes S730 *6'-0" Solid Foundation Tubes E731 *5'-0" Foundation Tubes S735 W/Soil Plates SP600 *4'-6" Foundation Tubes E735 W/Soil Plates SP600

> STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION FLEAT-350

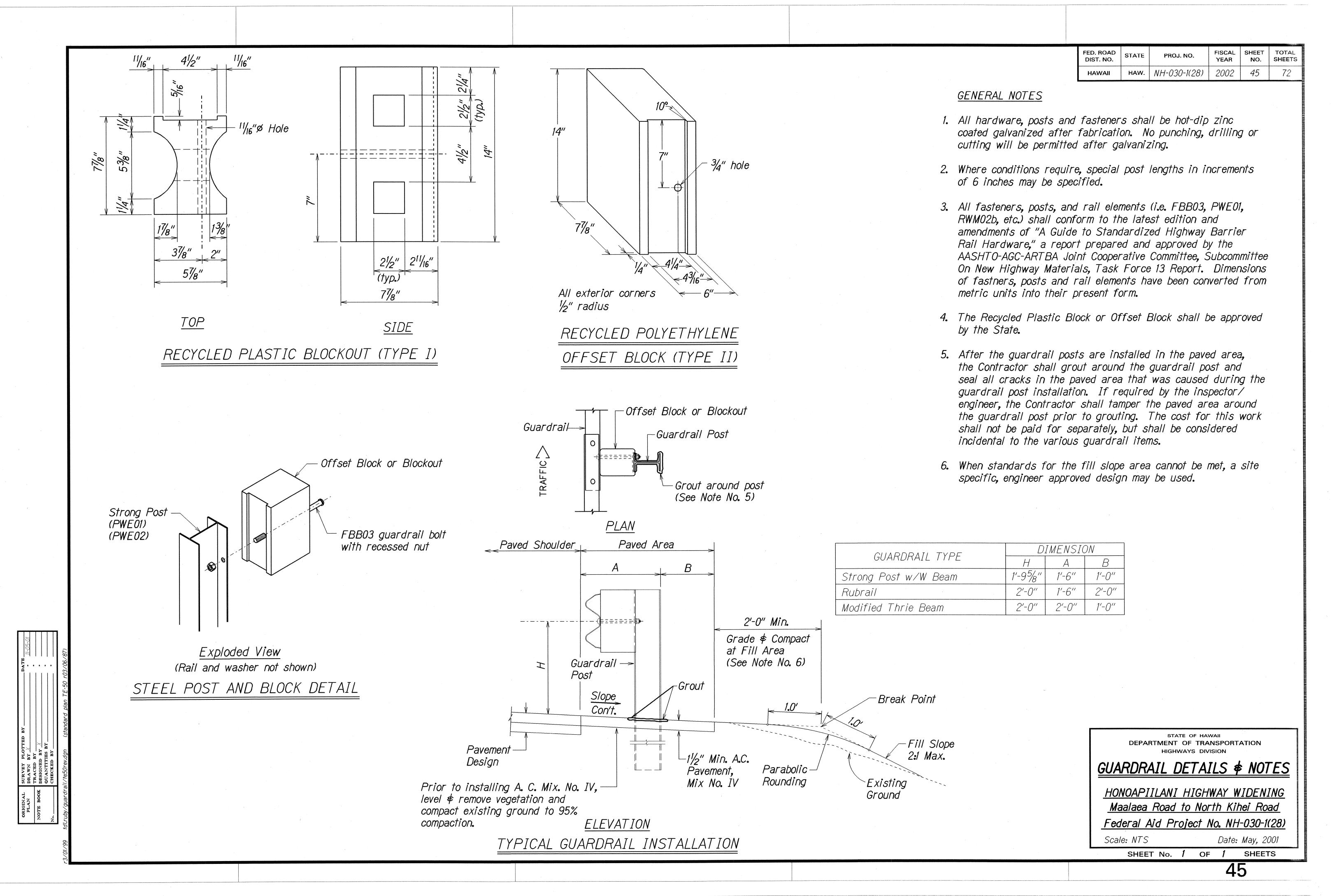
<u>FLARED ENERGY ABSORBING TERMINAL</u>

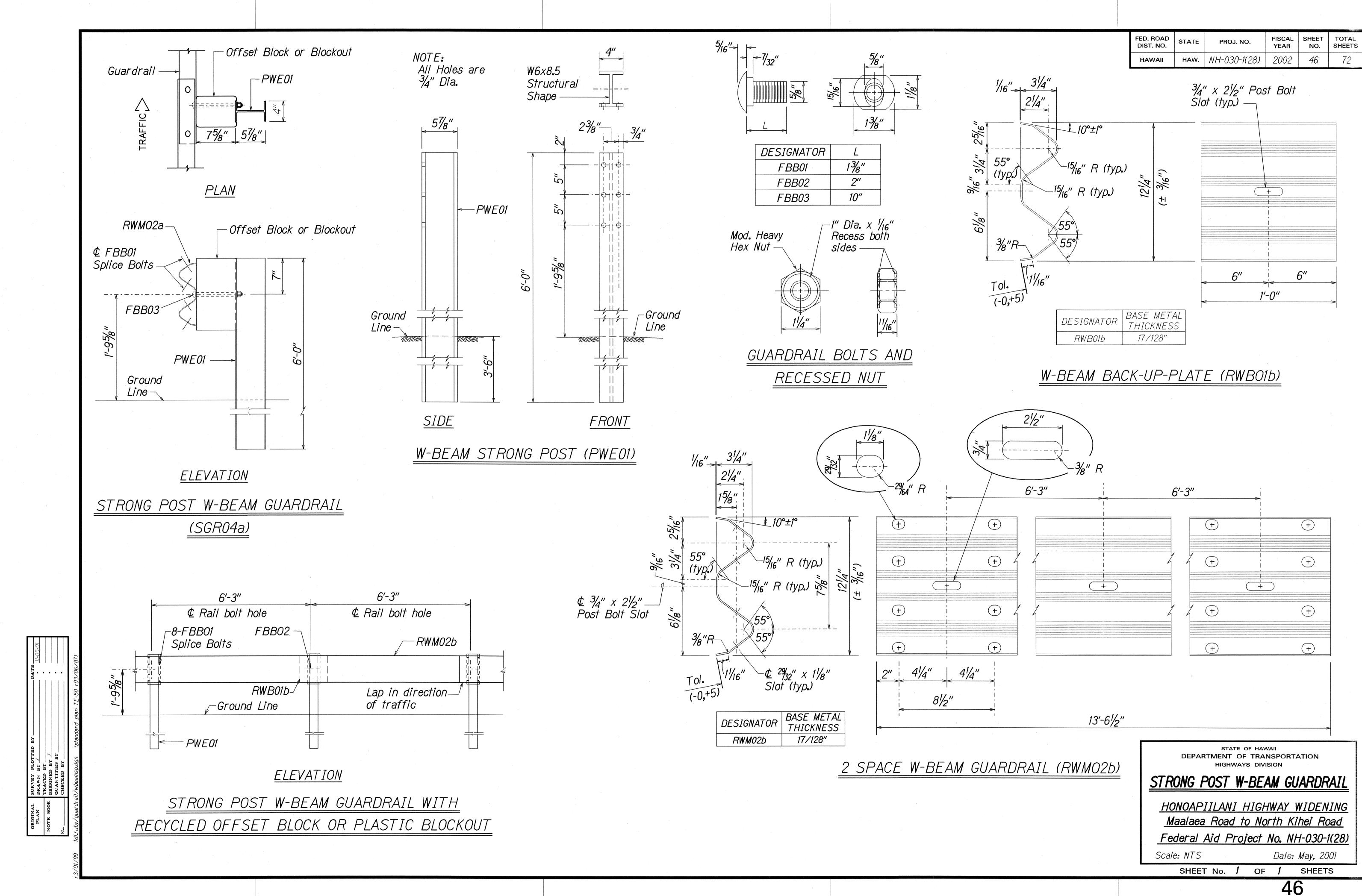
HONOAPIILANI HIGHWAY WIDENING Maalaea Road to North Kihei Road Federal Aid Project No. NH-030-1(28) Not to Scale Date: Feb. 2001

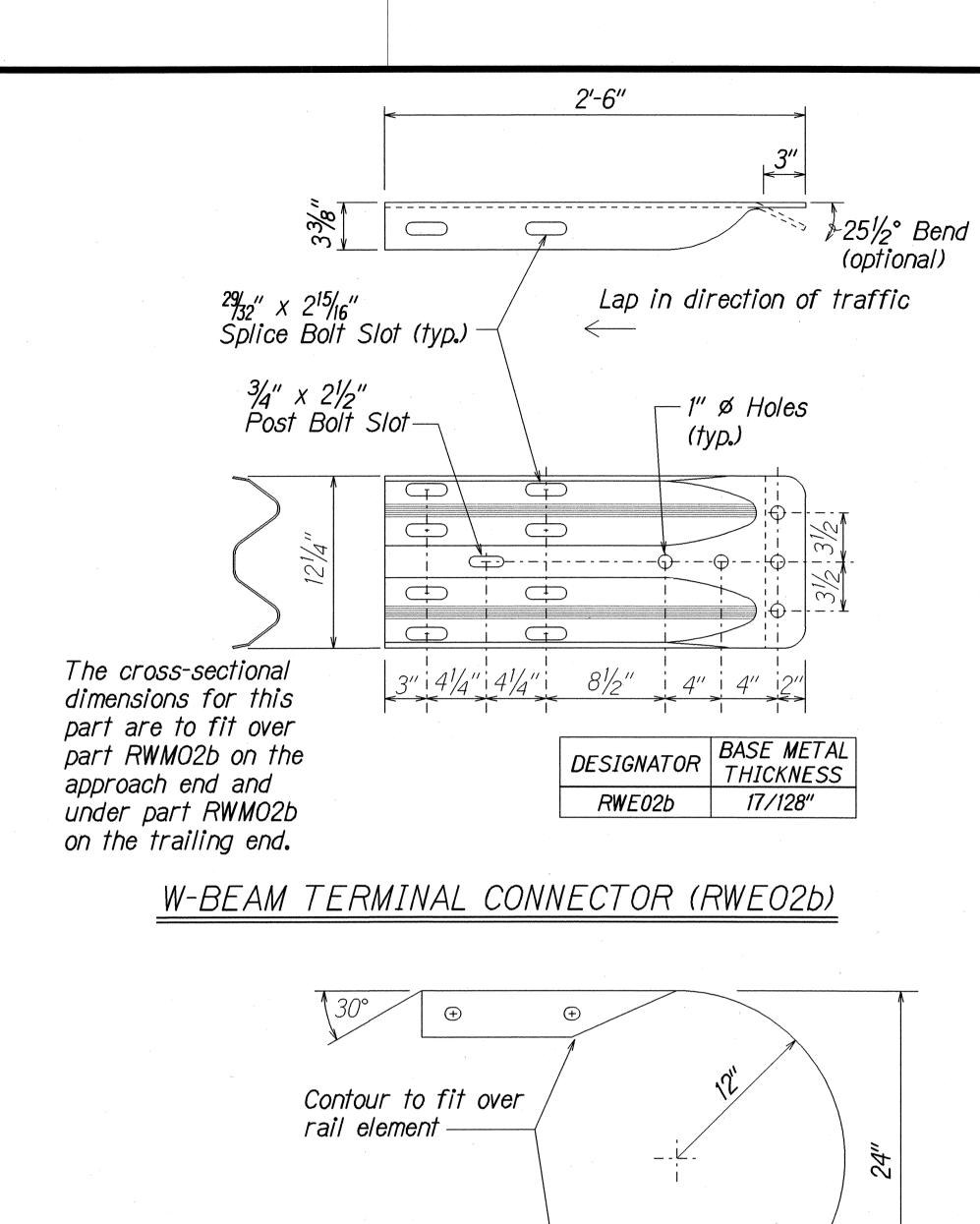
> SHEET No. 1 OF 1

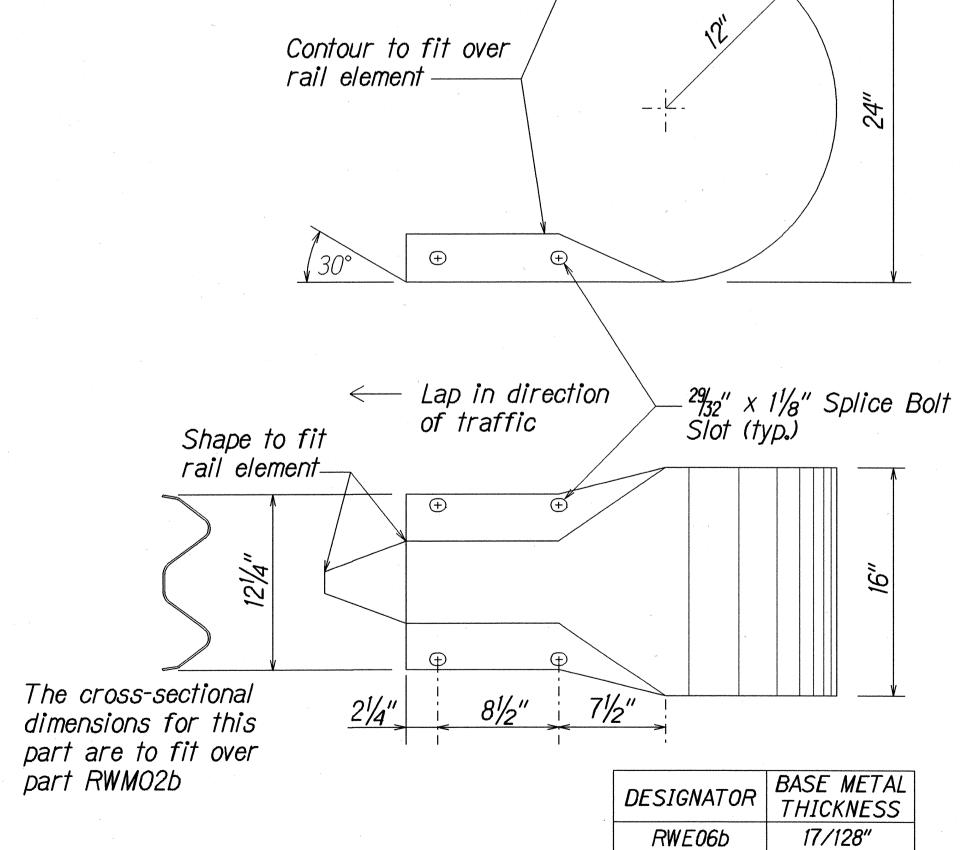
SHEETS

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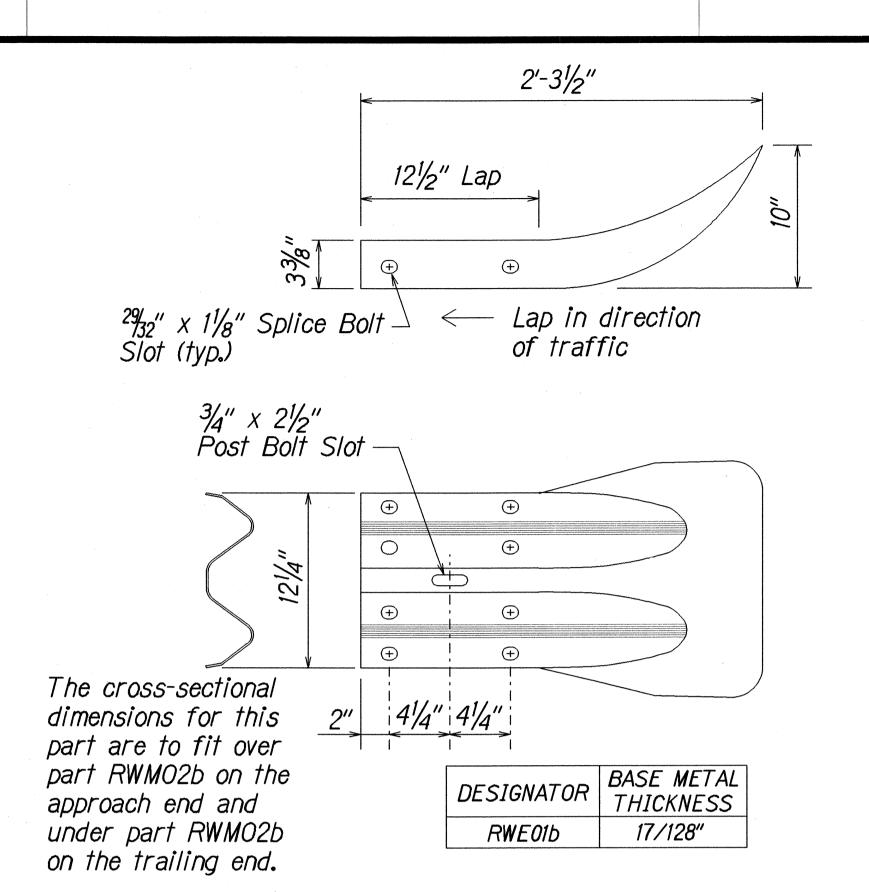




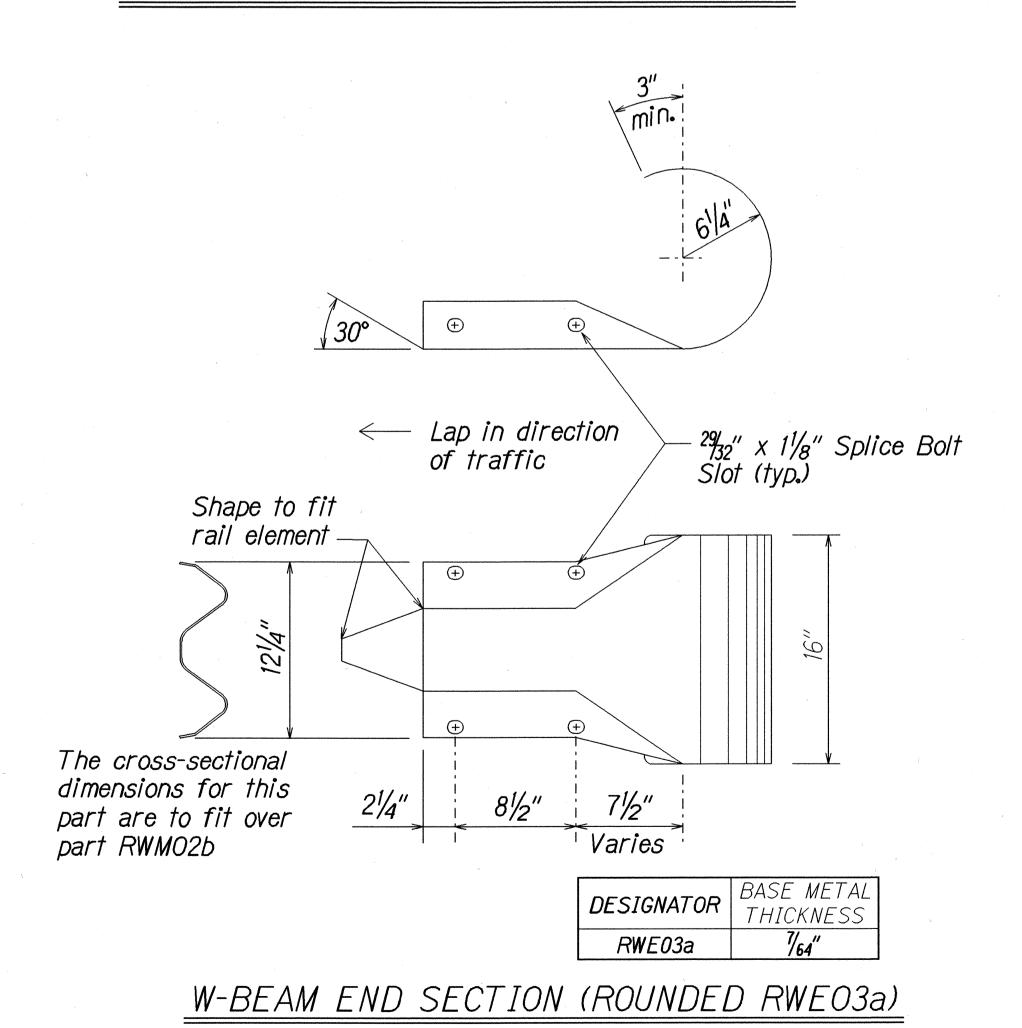




W-BEAM END SECTION (BUFFER RWE06b)



W-BEAM END SECTION (FLARED RWE01b)



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STRONG POST W-BEAM GUARDRAIL

HONOAPIILANI HIGHWAY WIDENING

Maalaea Road to North Kihei Road

Federal Aid Project No. NH-030-1(28)

Scale: NTS

FED. ROAD DIST. NO. FISCAL SHEET YEAR NO.

2002 47

PROJ. NO.

HAW. NH-030-1(28)

Date: May, 2001

SHEET No. 1 OF 1 SHEETS

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