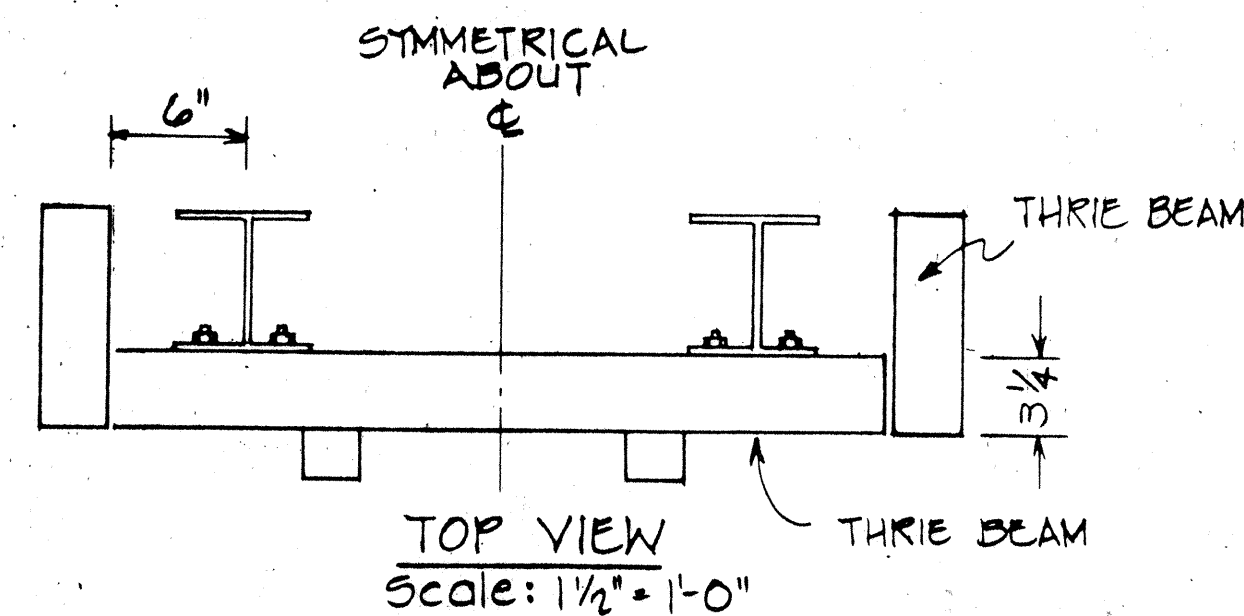
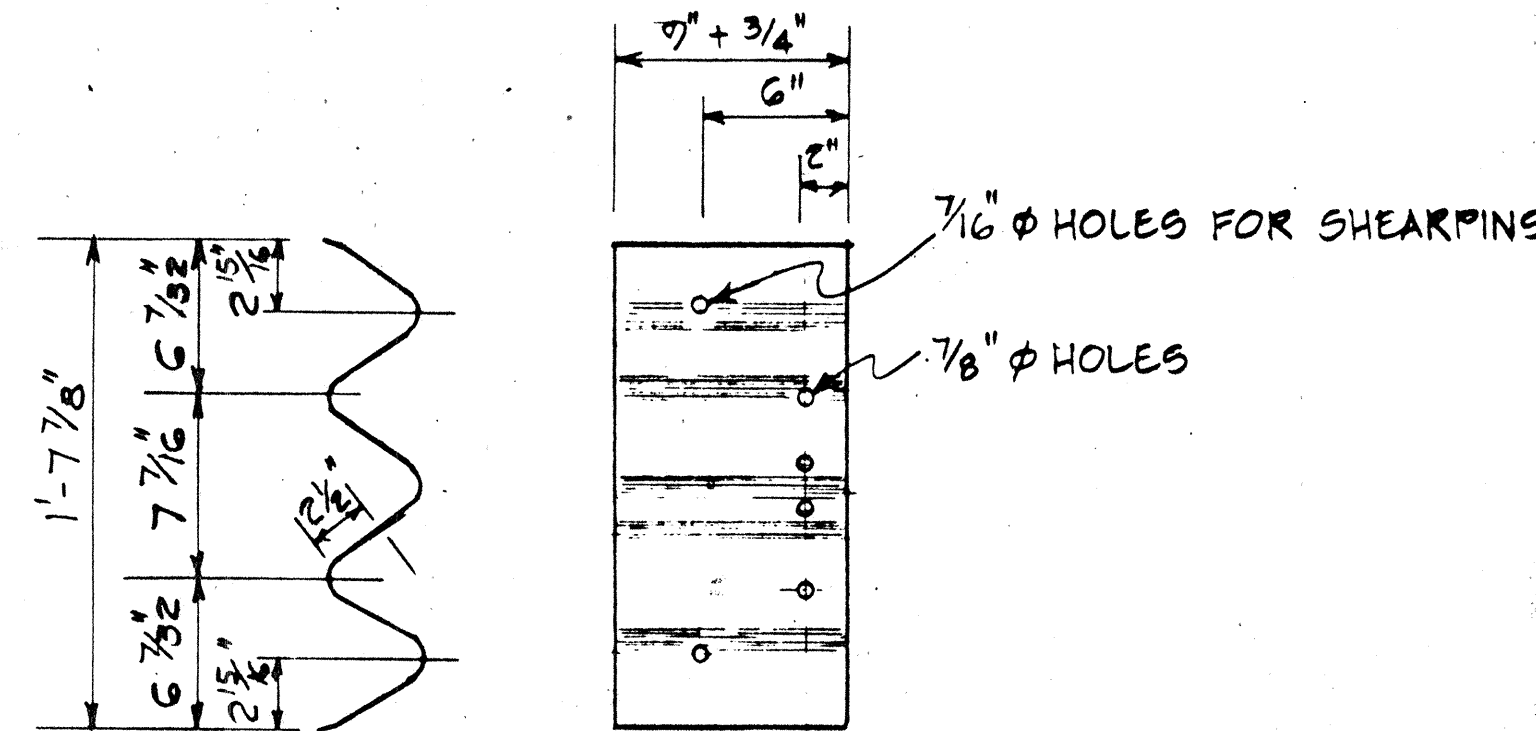


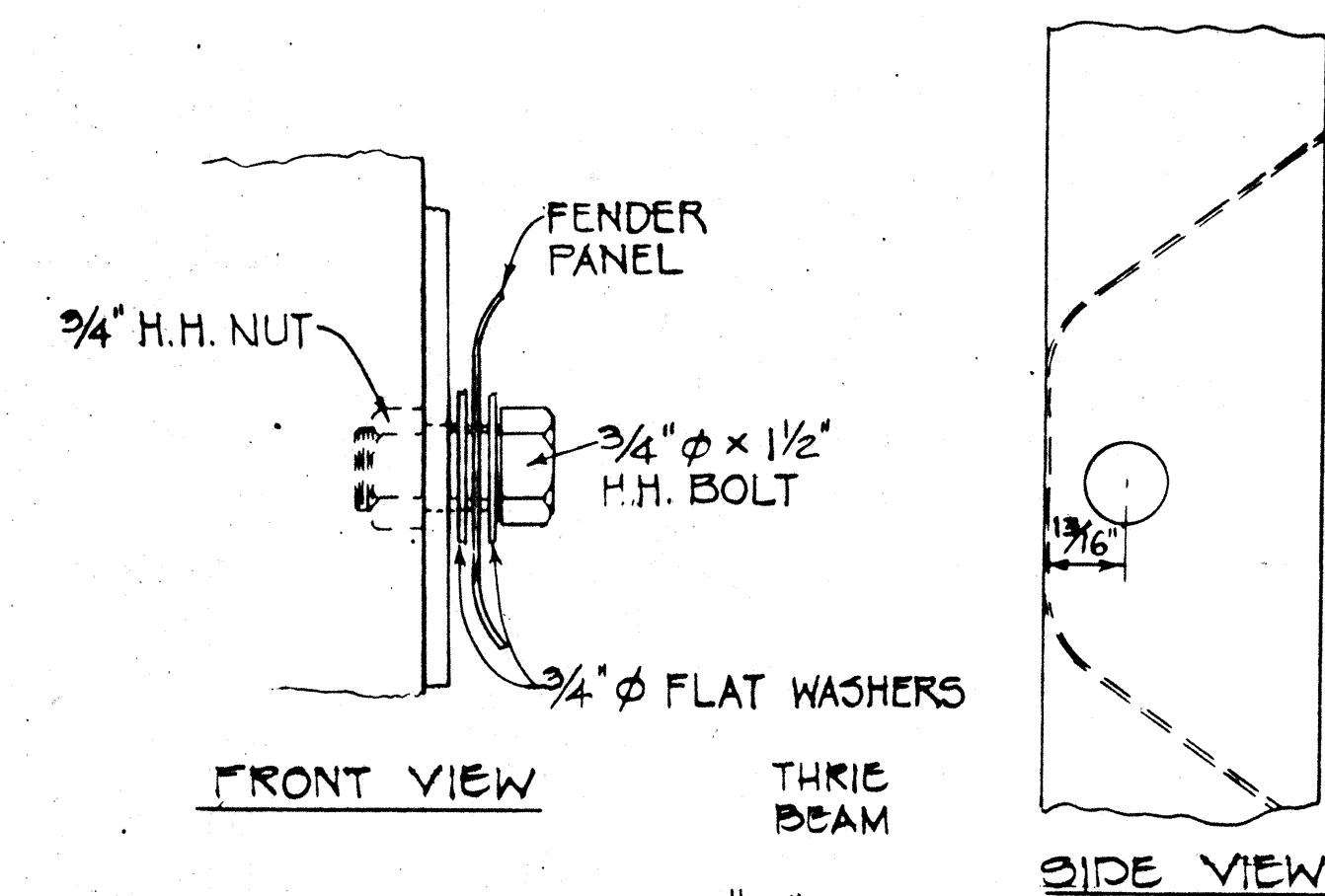
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1(27)	1992	14	18



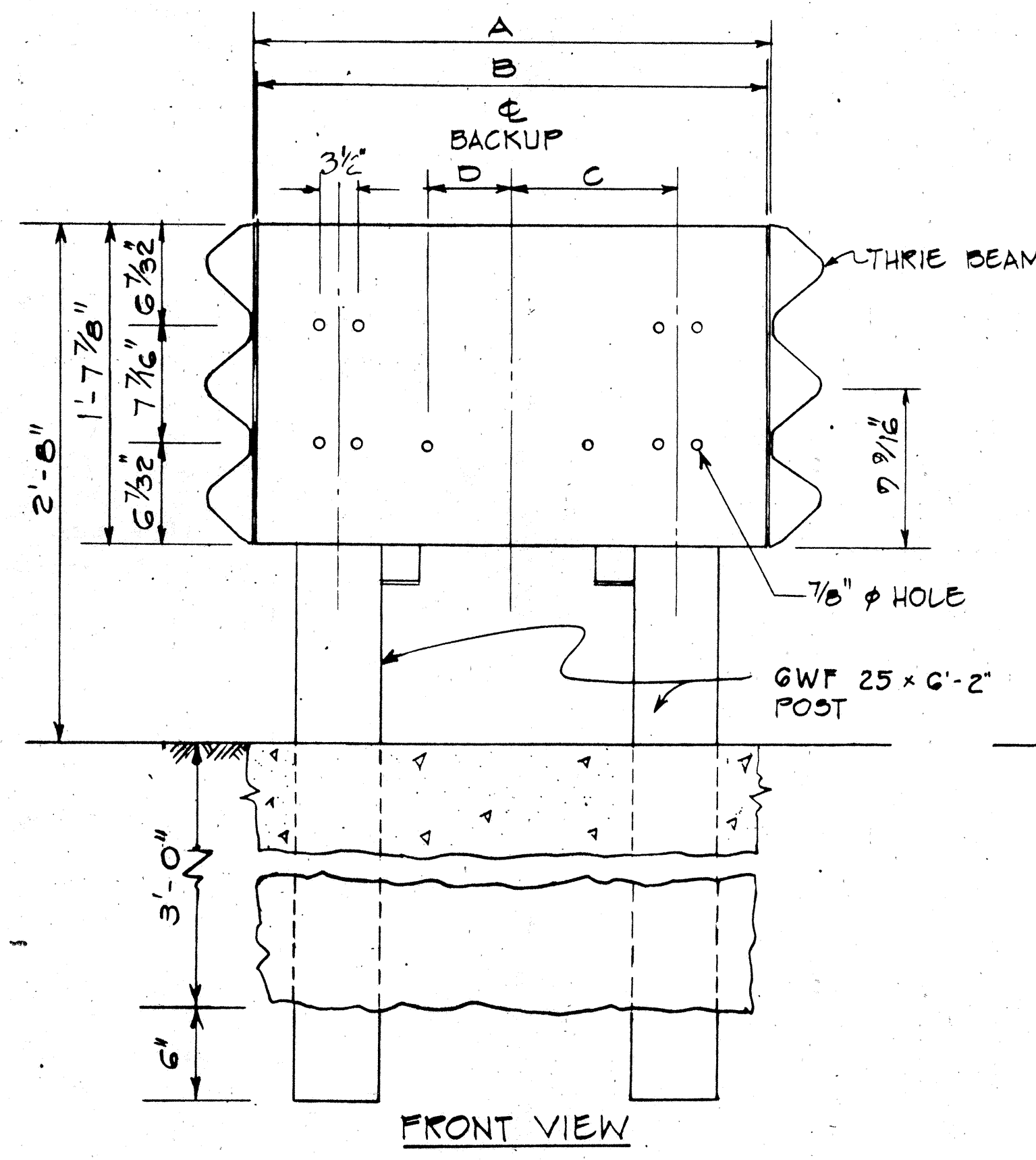
UNIT WIDTH	A	B	C	D
2'-0"	2'-0"	1'-11 1/2"	0'-6"	2"
2'-6"	2'-6"	2'-5 1/2"	0'-9"	5"
3'-0"	3'-0"	2'-11 1/2"	1'-0"	8"



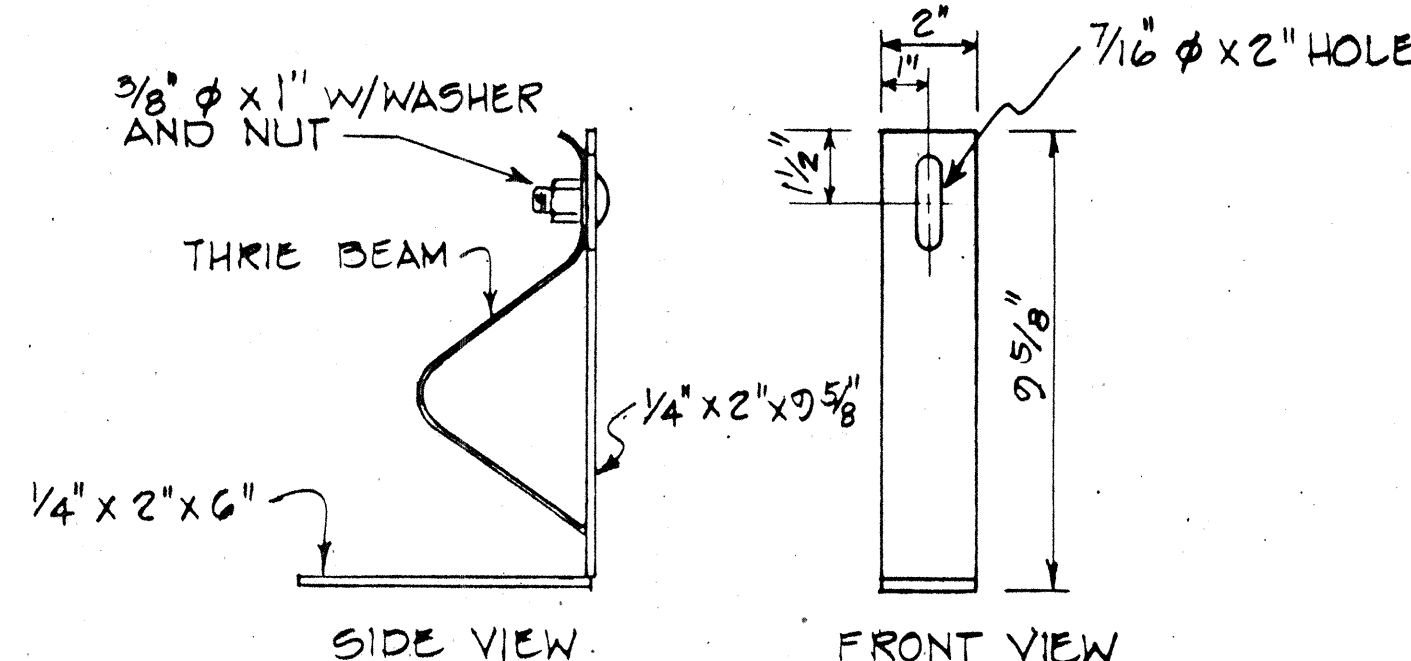
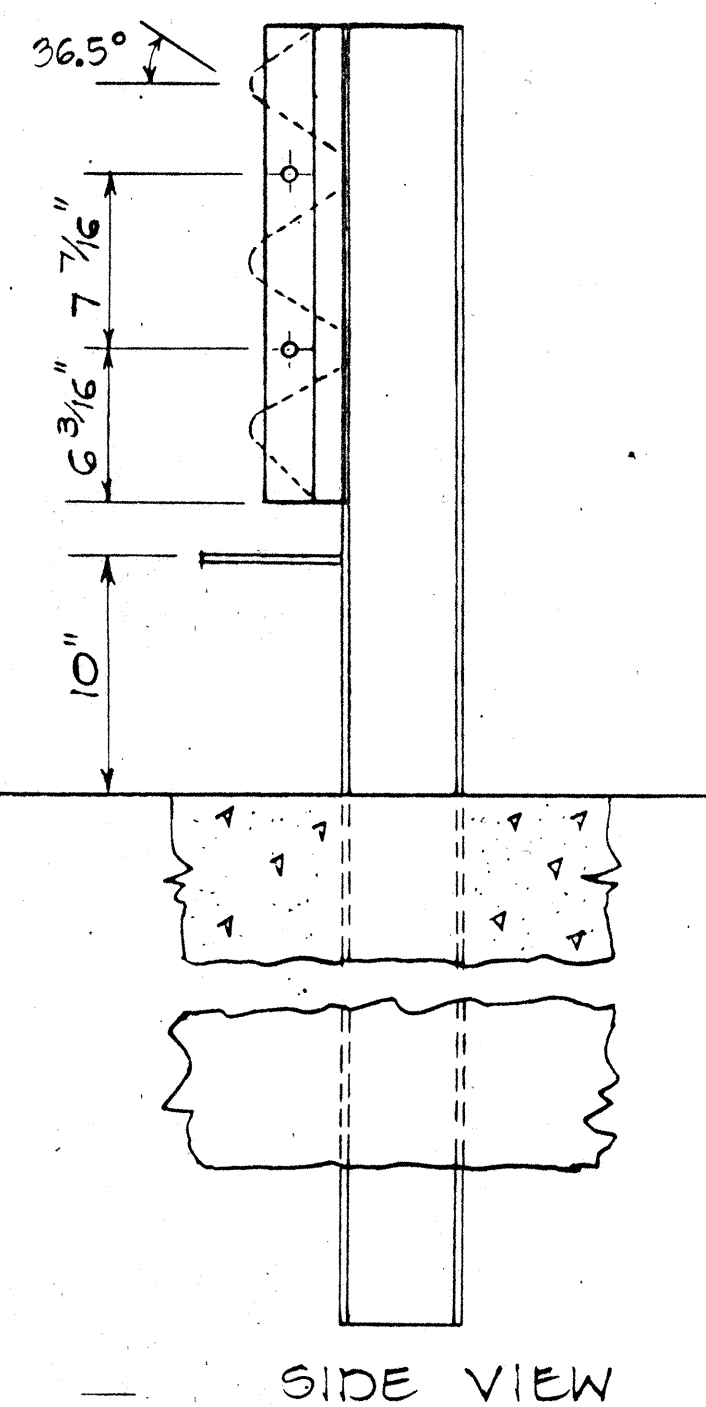
DETAIL OF THRIE BEAM
LEFT SIDE PANEL SHOWN
RIGHT SIDE OPPOSITE



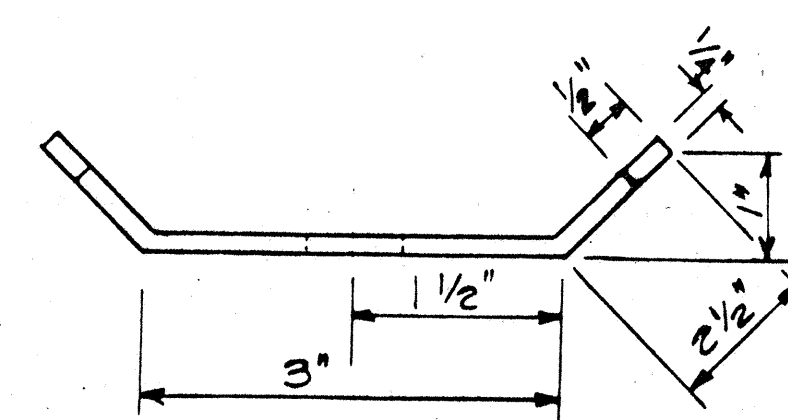
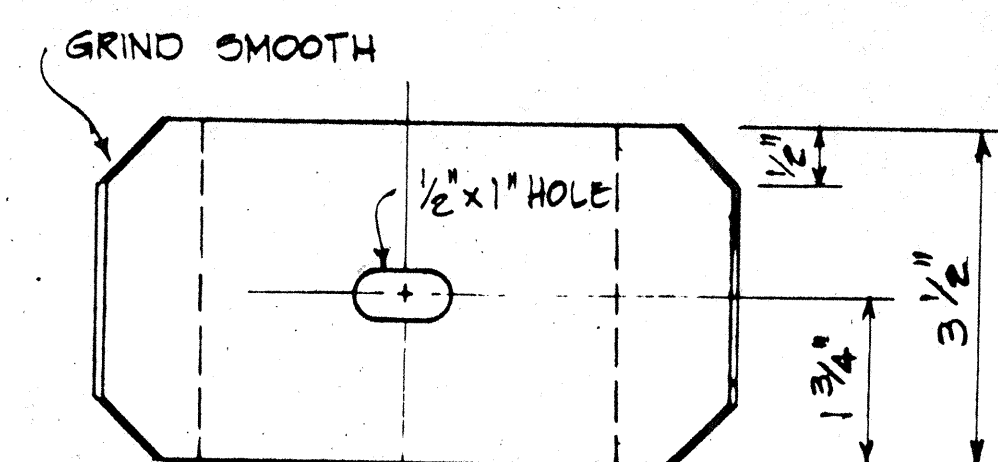
DETAIL "A"
Scale: 1/2" = 1'



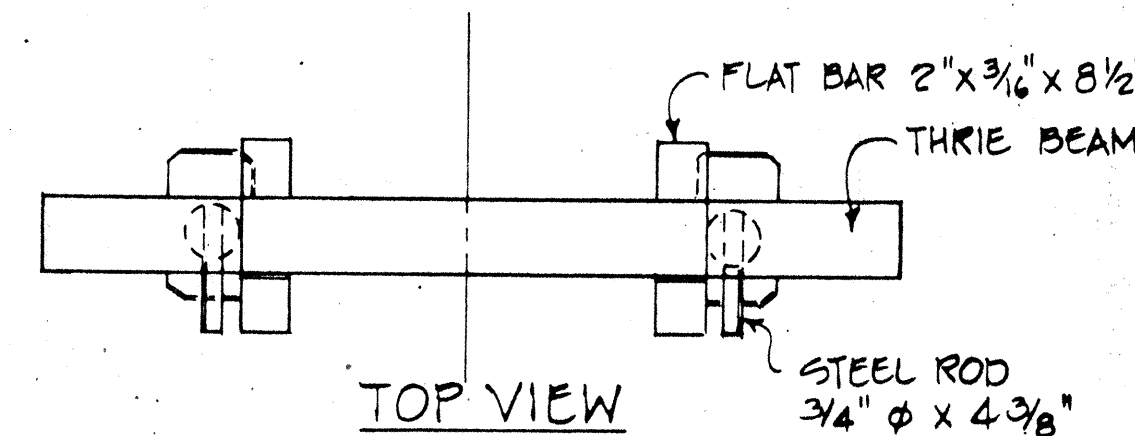
WIDE FLANGE BACKUP
(FOR NARROW UNITS)
Scale: 1 1/2" = 1'-0"



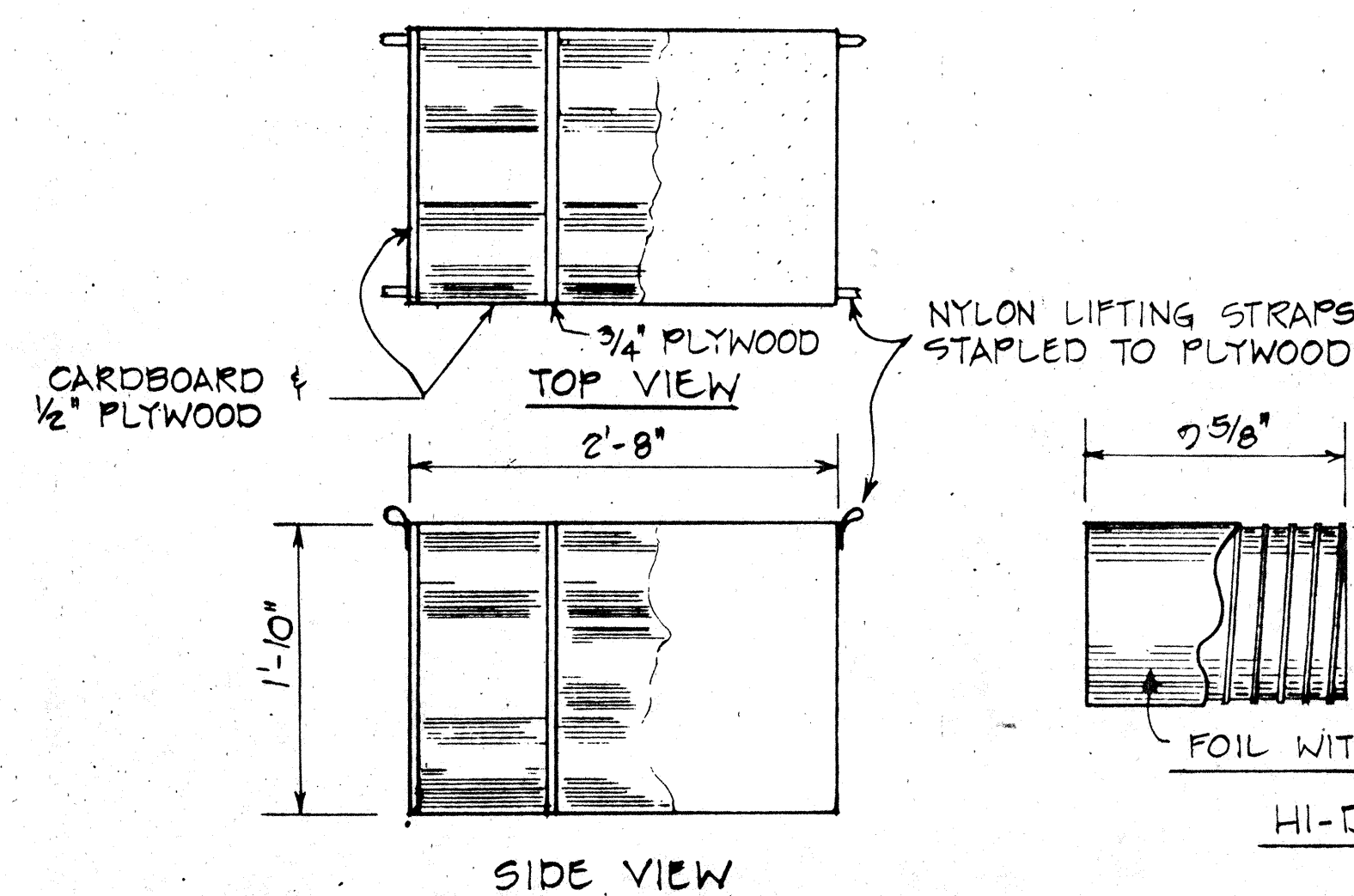
CARTRIDGE CLIP DETAIL
Scale: 3" = 1'-0"



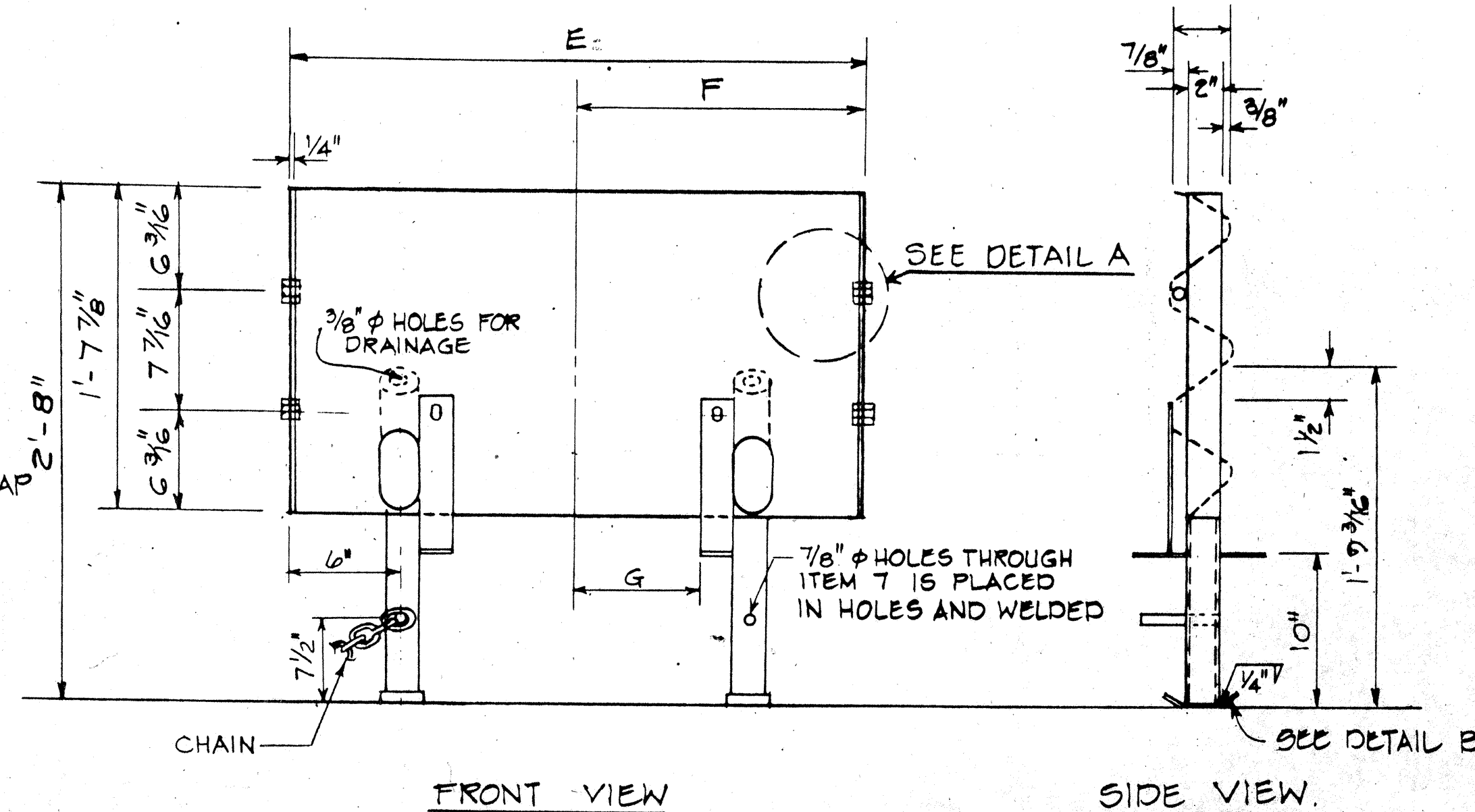
DETAIL B
Scale: 6" = 1'-0"



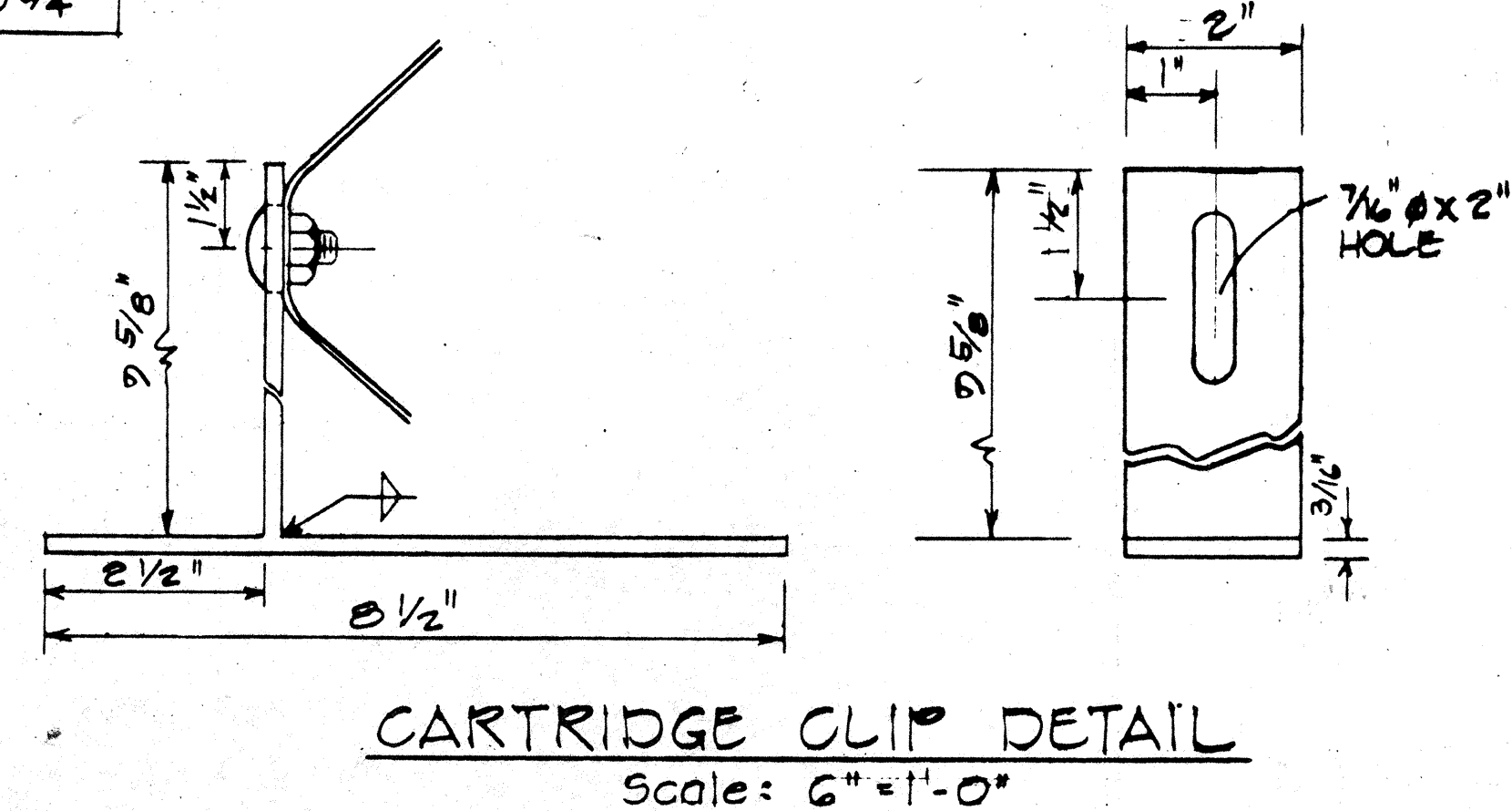
MODEL NO	E	F	G
200200 S	2'-0"	1'-0"	
206206 S	2'-6"	1'-3"	5 3/4"
300300 S	3'-0"	1'-6"	8 3/4"



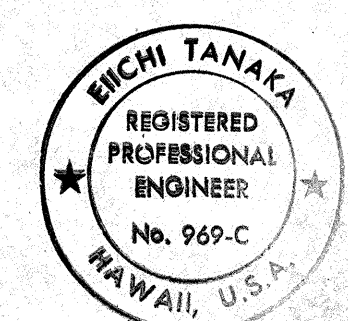
HI-DRI CARTRIDGE
Not to Scale



THRIE BEAM DIAPHRAGM DETAILS
Scale: 1 1/2" = 1'-0"



CARTRIDGE CLIP DETAIL
Scale: 6" = 1'-0"



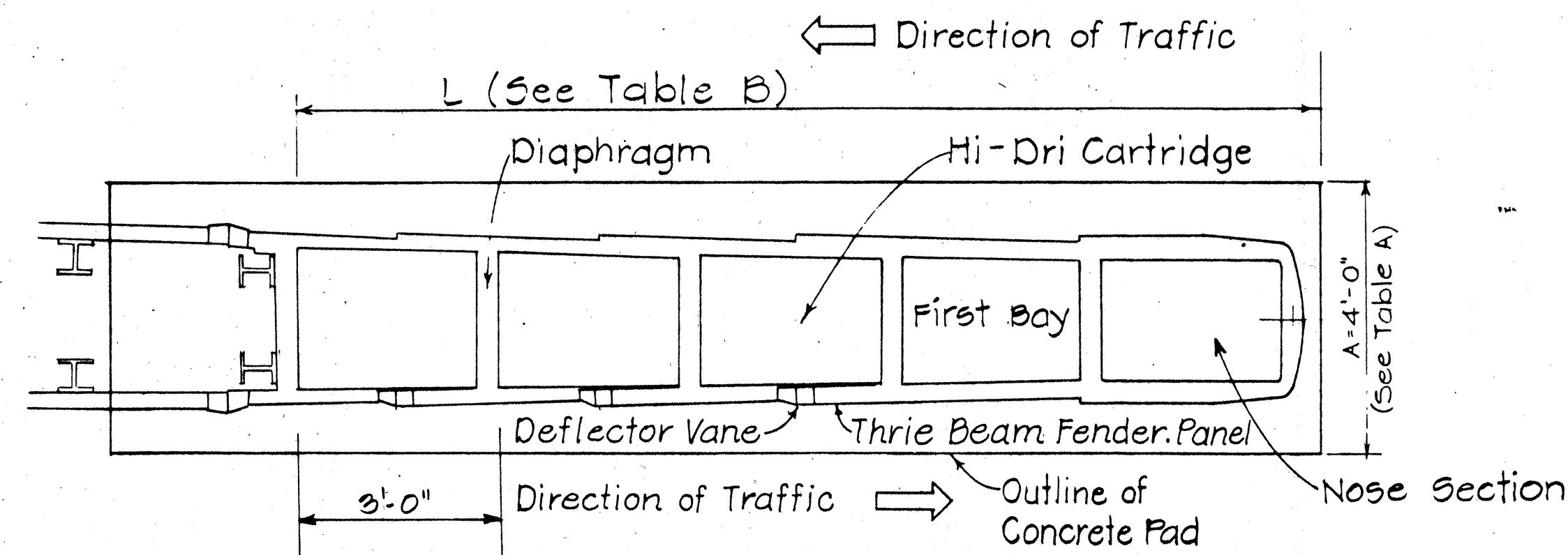
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Eichi Tanaka
Professional Engineer

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

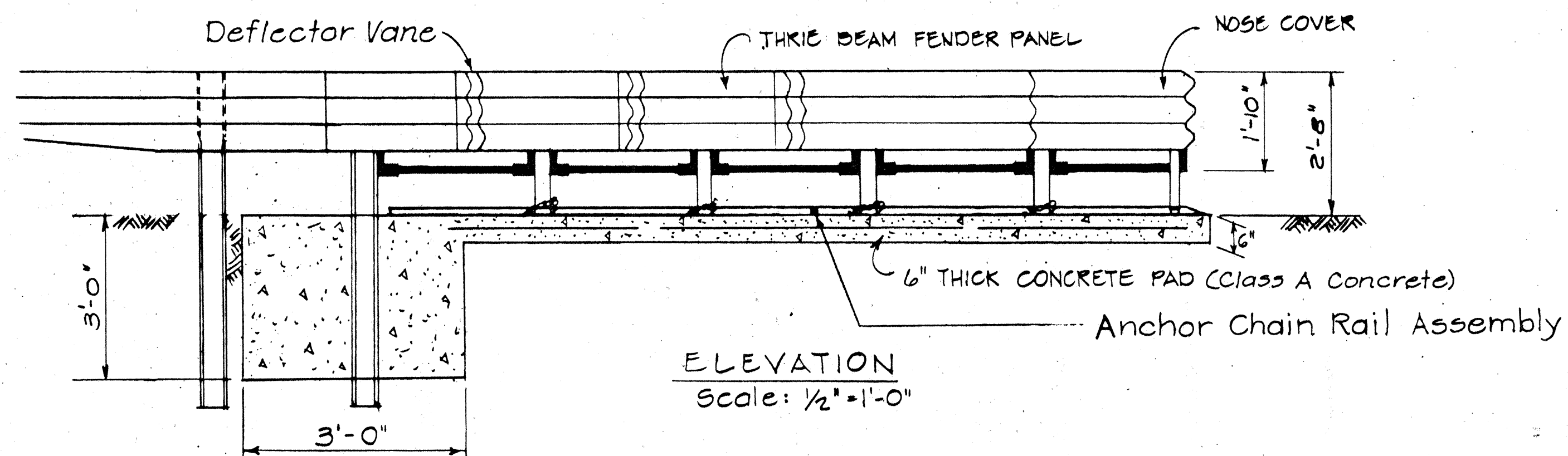
DETAILS OF GUARD RAIL
ENERGY ABSORBING TERMINAL
PALI HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAMEHAMEHA HIGHWAY
FEDERAL AID PROJECT NO. STP-061-1(27)
Scale: As Shown Date: 1978
SHEET NO. 1 OF 2 SHEETS

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
NO.	_____

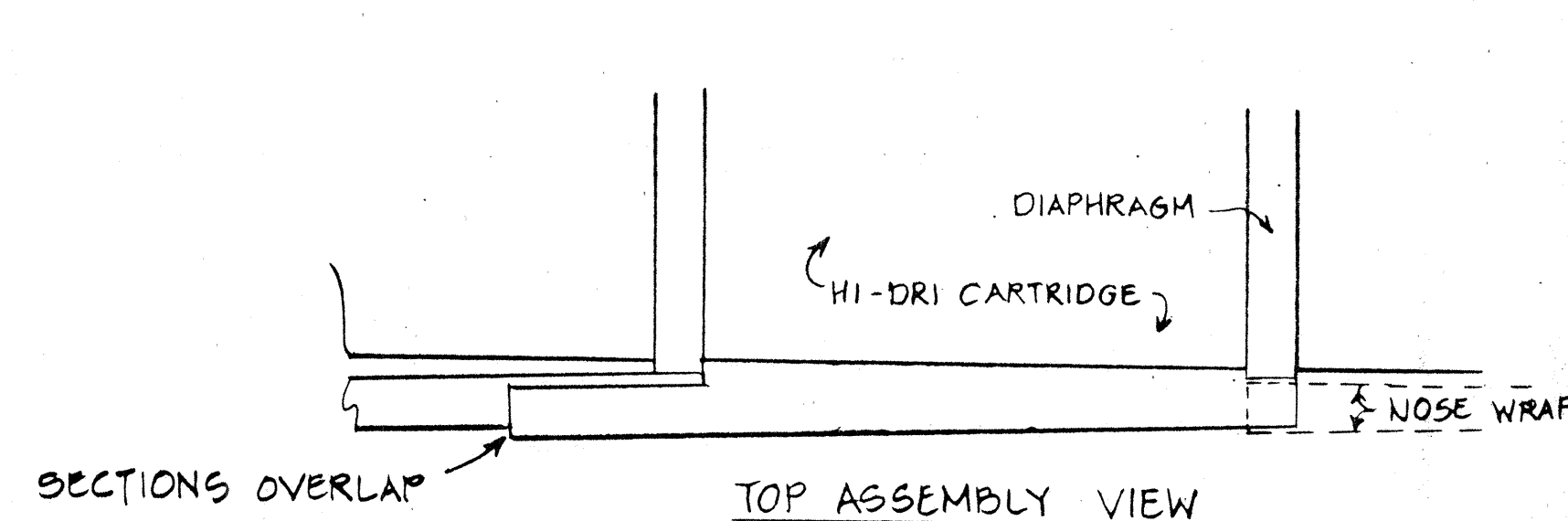
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-061-1(27)	1992	15	18



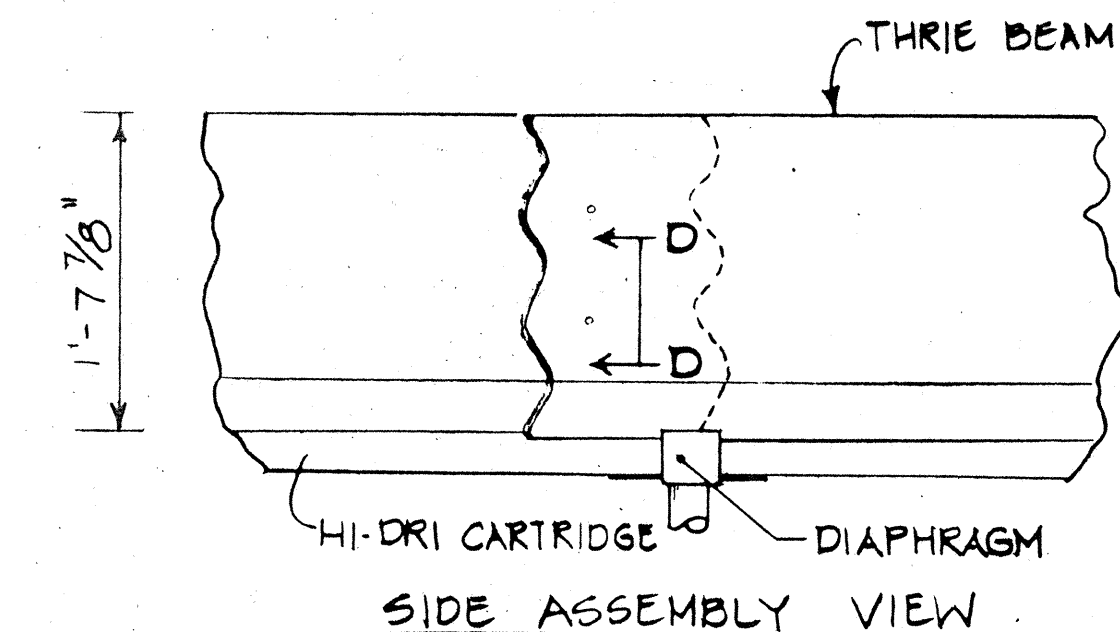
PLAN
Scale: 1/2"=1'-0"



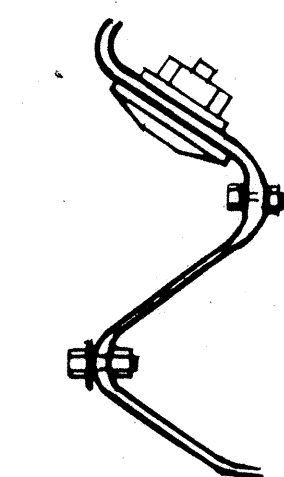
ELEVATION
Scale: 1/2"=1'-0"



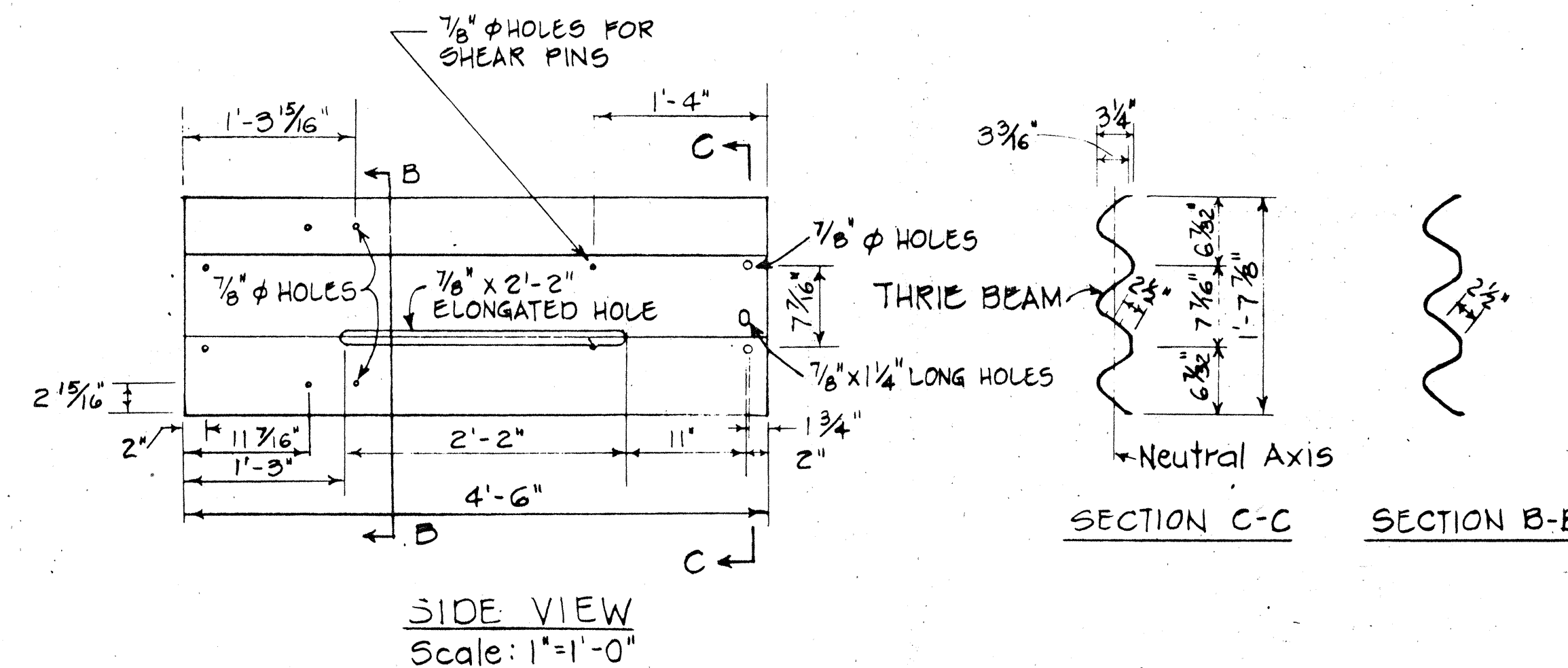
TOP ASSEMBLY VIEW



SIDE ASSEMBLY VIEW



SECTION D-D

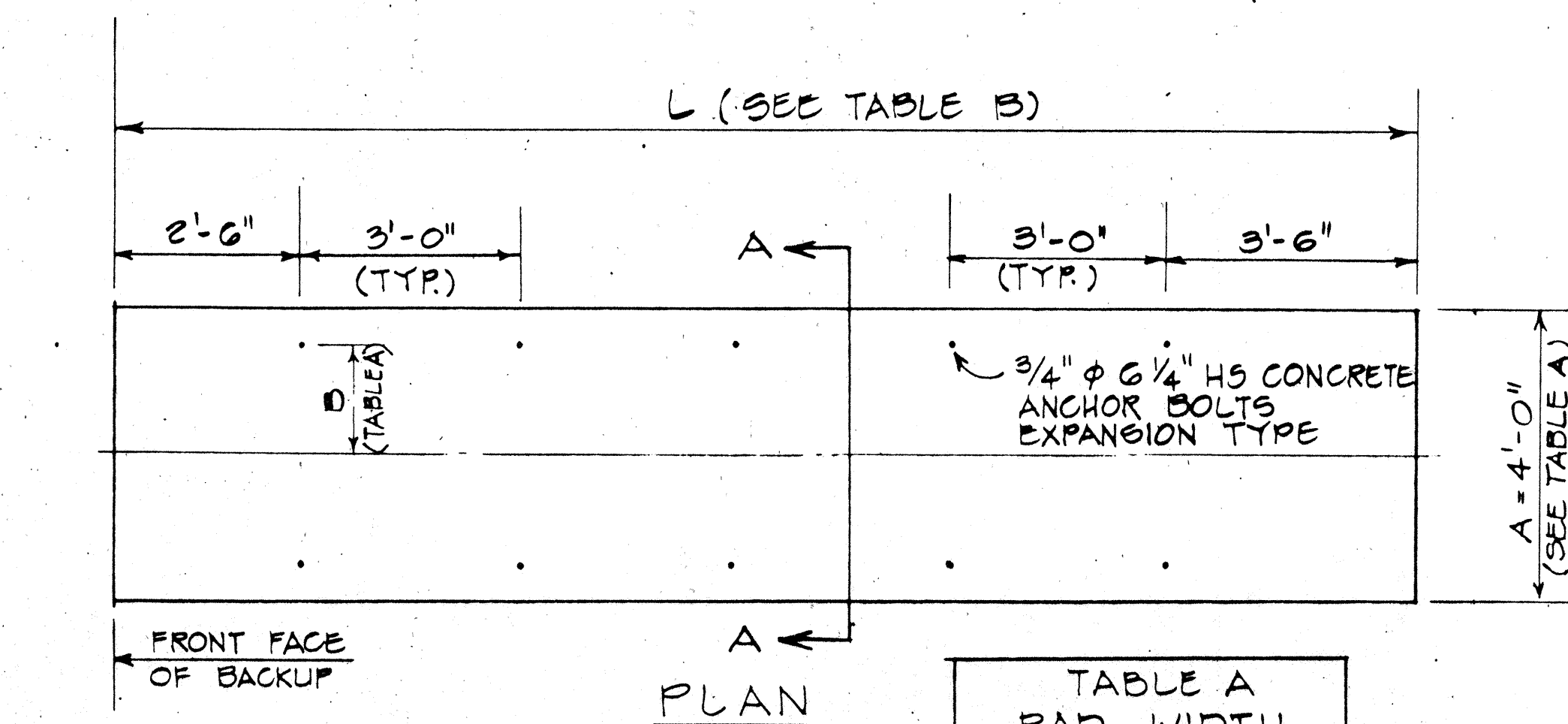


SIDE VIEW
Scale: 1"=1'-0"

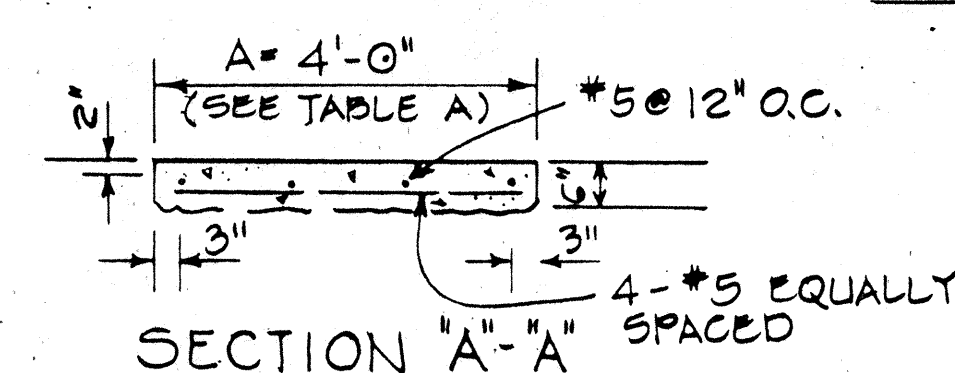
SECTION C-C SECTION B-B

NOTE:

1. The Contractor shall verify with the manufacturer, any amendments or revisions thereof as may be made from time to time, shall be used in this project.
2. Constant longitudinal and transverse slope throughout Concrete Pad.
3. Concrete Pad cross slope shall not exceed 3%.
4. Outline of concrete pad shall match grades with surrounding median area.



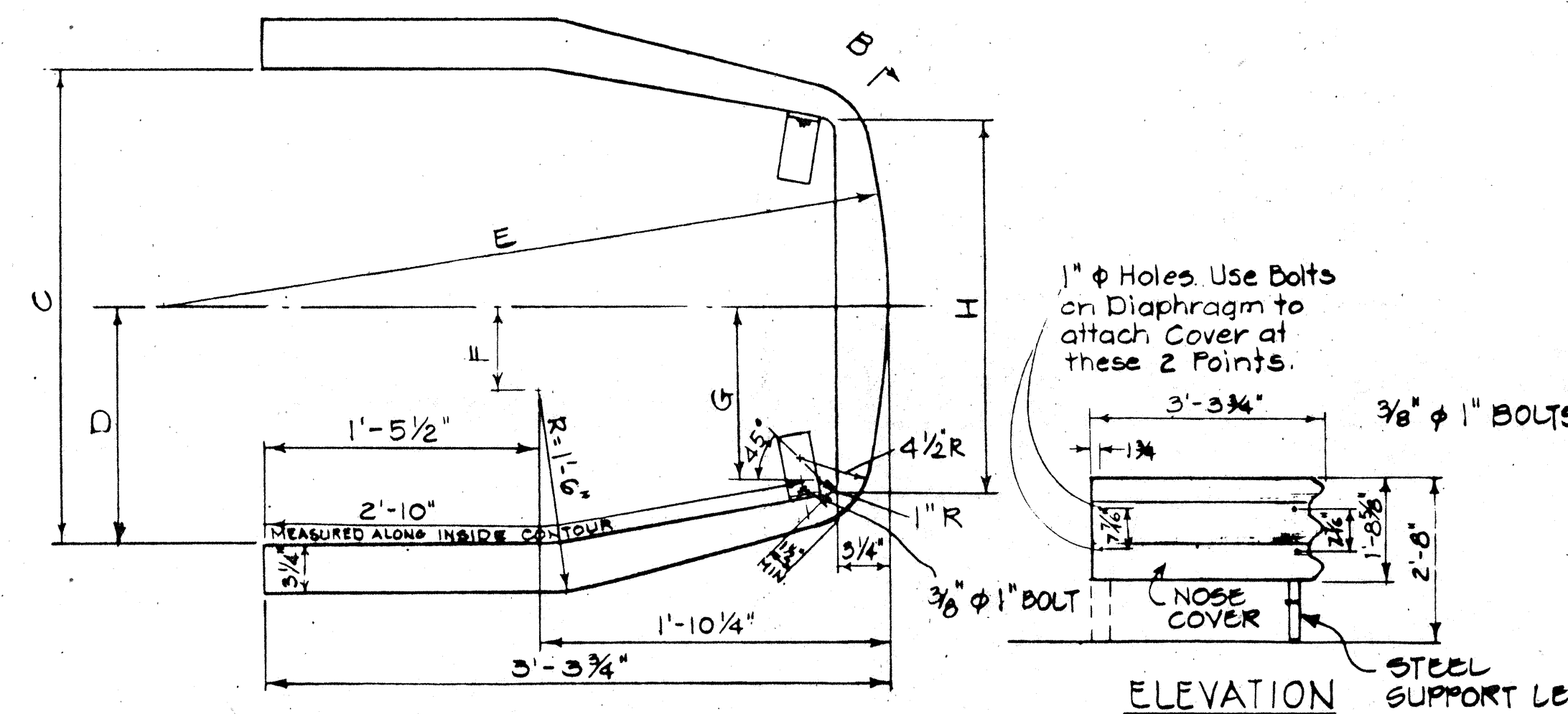
PLAN



SECTION A-A

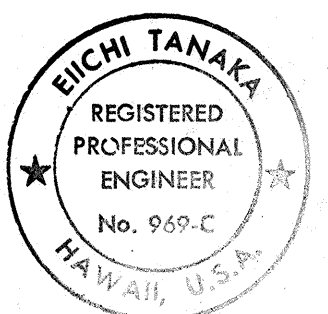
TABLE A PAD WIDTH		
MODEL NO.	A	B
200200	4'-0"	1'-0"
206206	4'-0"	1'-3"
300300	4'-0"	1'-6"

TABLE B PAD LENGTH		
NO. OF BAYS	L	ANCHOR BOLTS QUAN.
4	15'-6"	14
5	18'-6"	16
6	21'-6"	20
7	24'-6"	22
8	27'-6"	24
9	30'-6"	26
10	33'-6"	30
3	12'-6"	12



PLAN
N.T.S.

TABLE C							
UNIT SIZE	ASSY. NO.	C	D	E	F	G	H
2'-0"	35-02-031	2'-0"	1'-0"	2'-1 1/8"	3 1/4"	8"	1'-6"
2'-6"	35-02-032	2'-6"	1'-3"	3'-10"	6 1/4"	11"	2'-0"
3'-0"	35-02-032	2'-6"	1'-3"	3'-10"	6 1/4"	11"	2'-0"



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Eichi Tanaka
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**DETAILS OF GUARD RAIL
ENERGY ABSORBING TERMINAL**

PALI HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAMEHAMEHA HIGHWAY
FEDERAL AID PROJECT NO. STP-061-1(27)
Scale: As Shown Date: 1978

SHEET NO. 2 OF 2 SHEETS