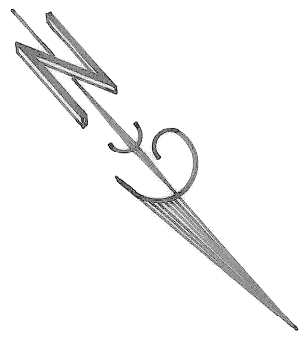
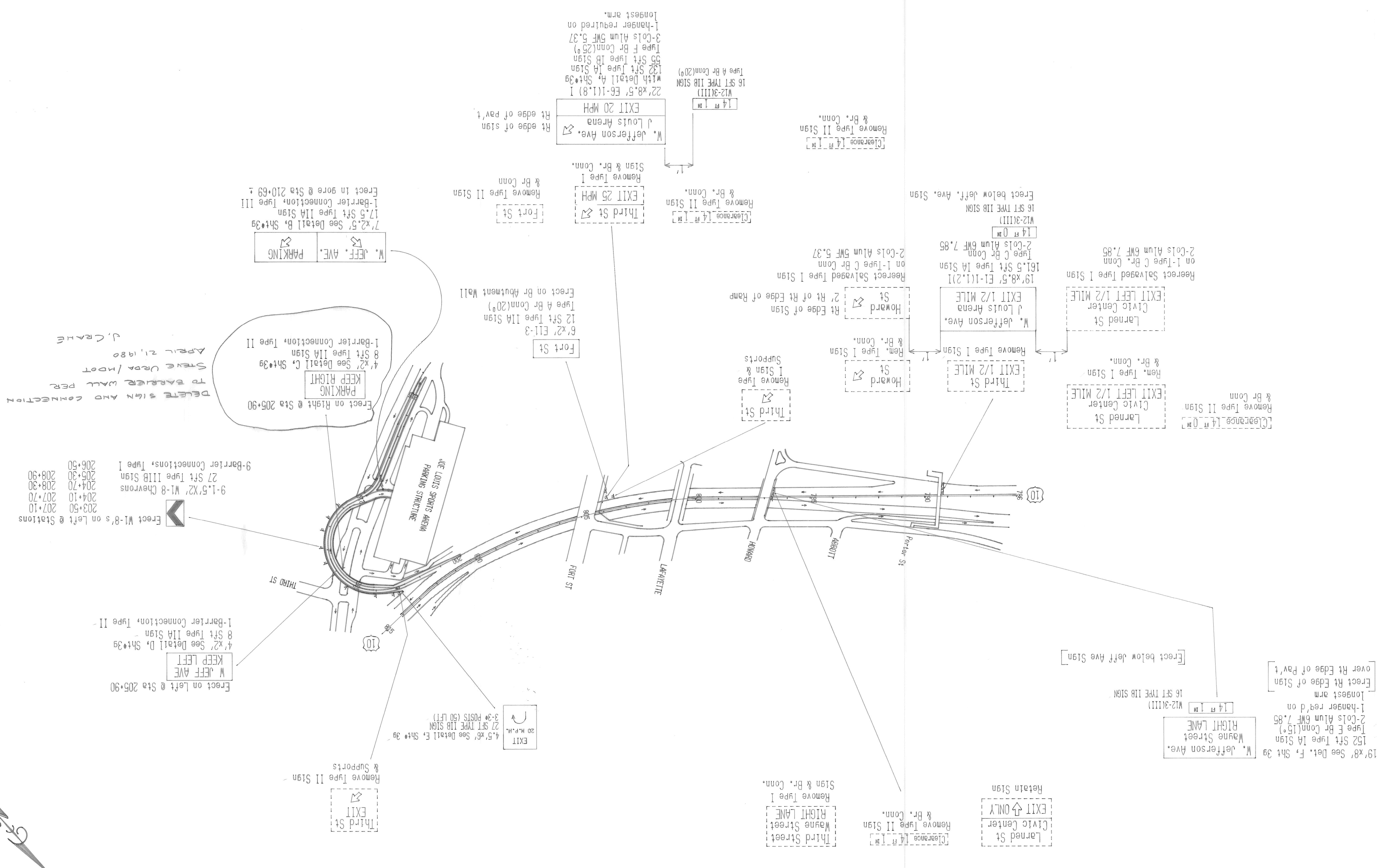


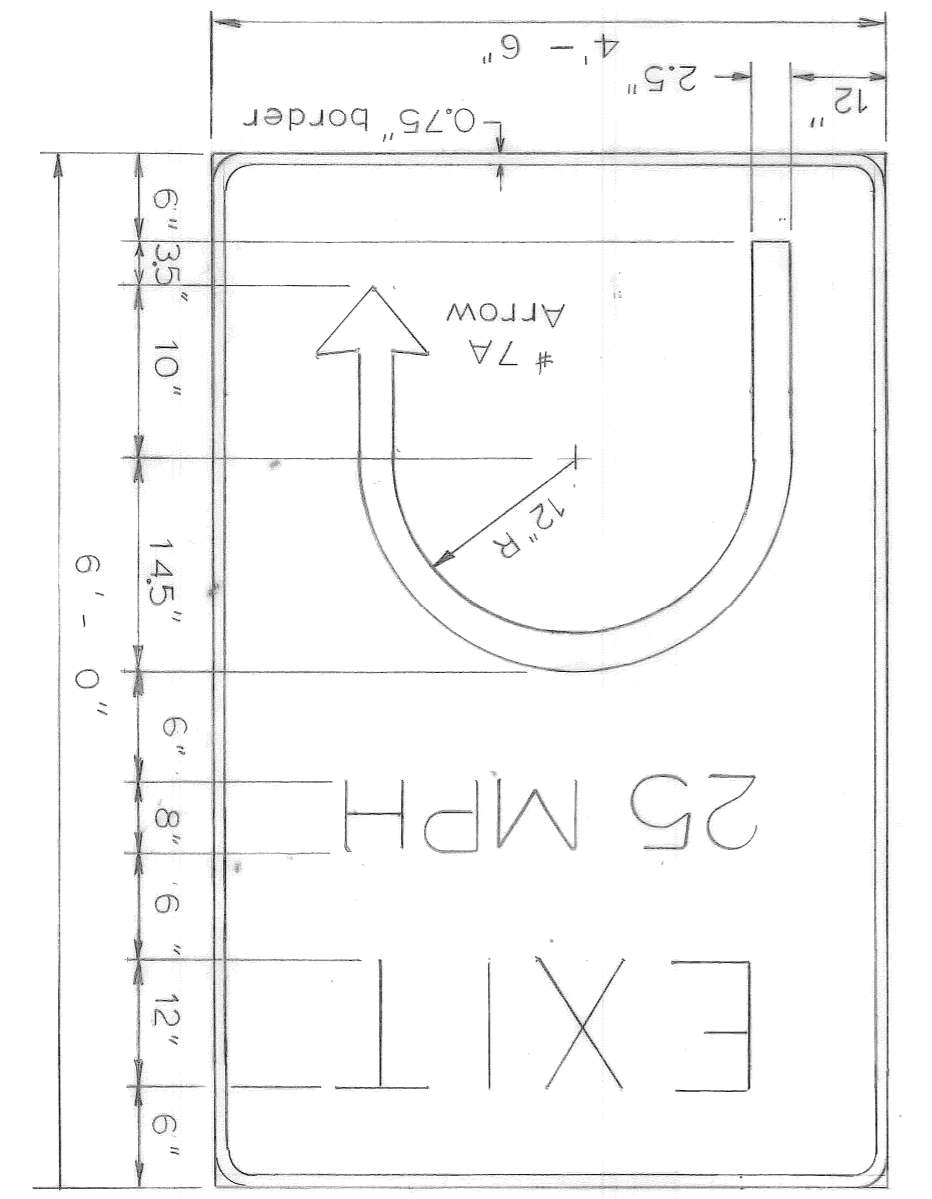
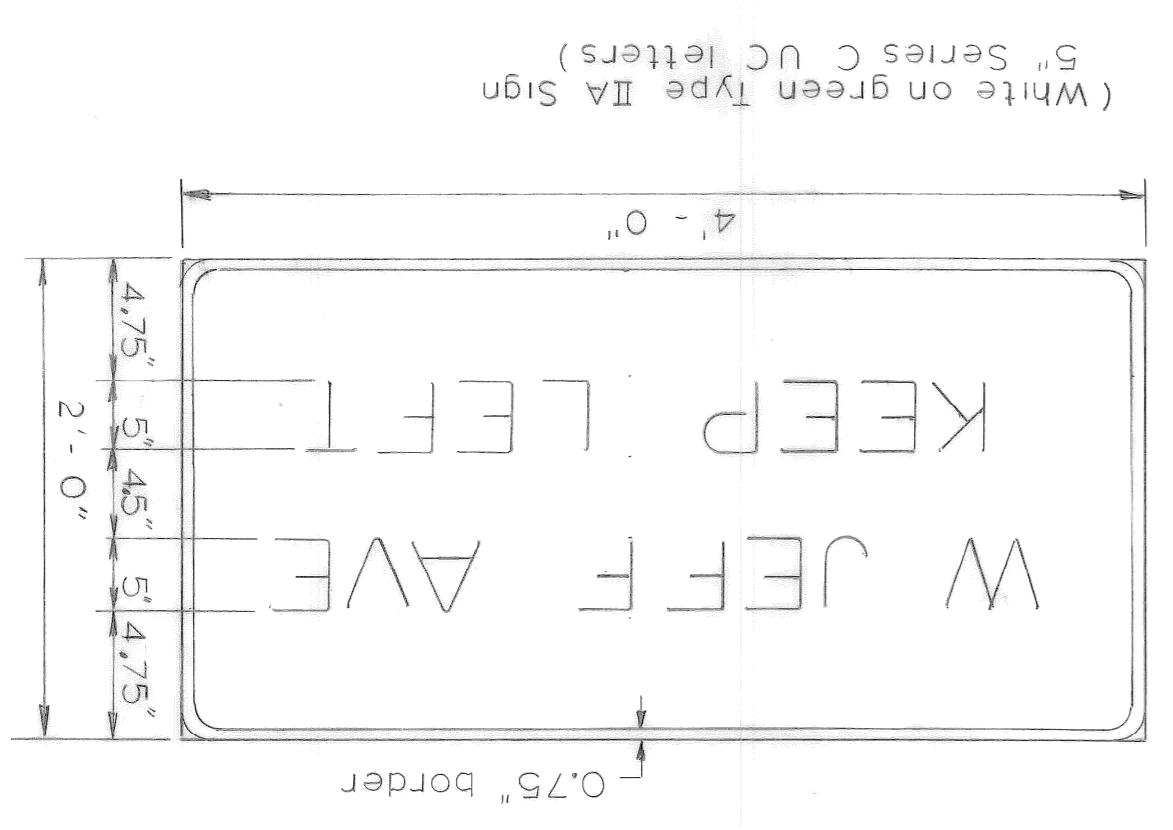
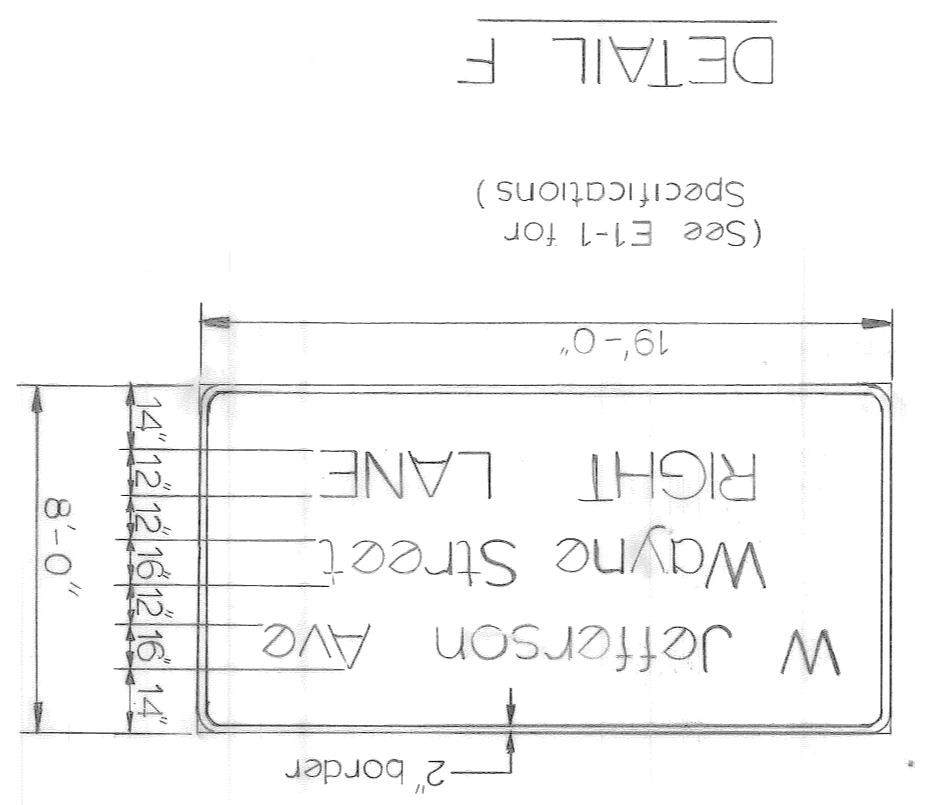
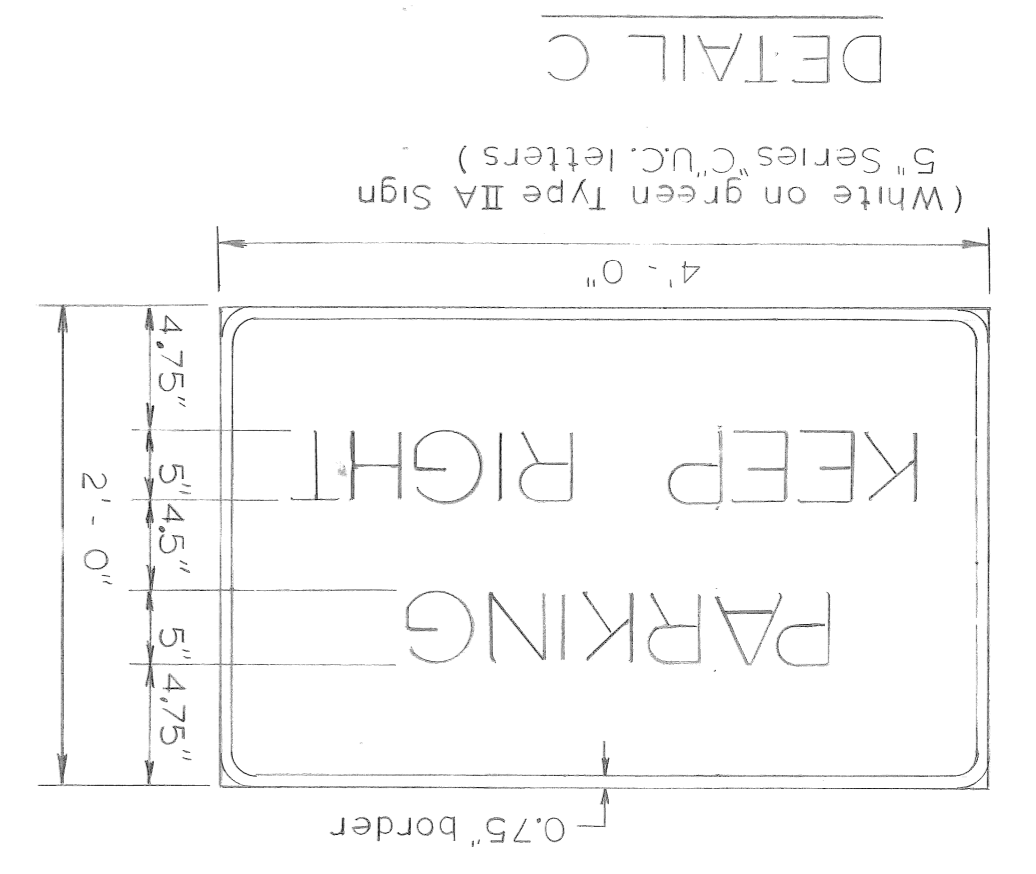
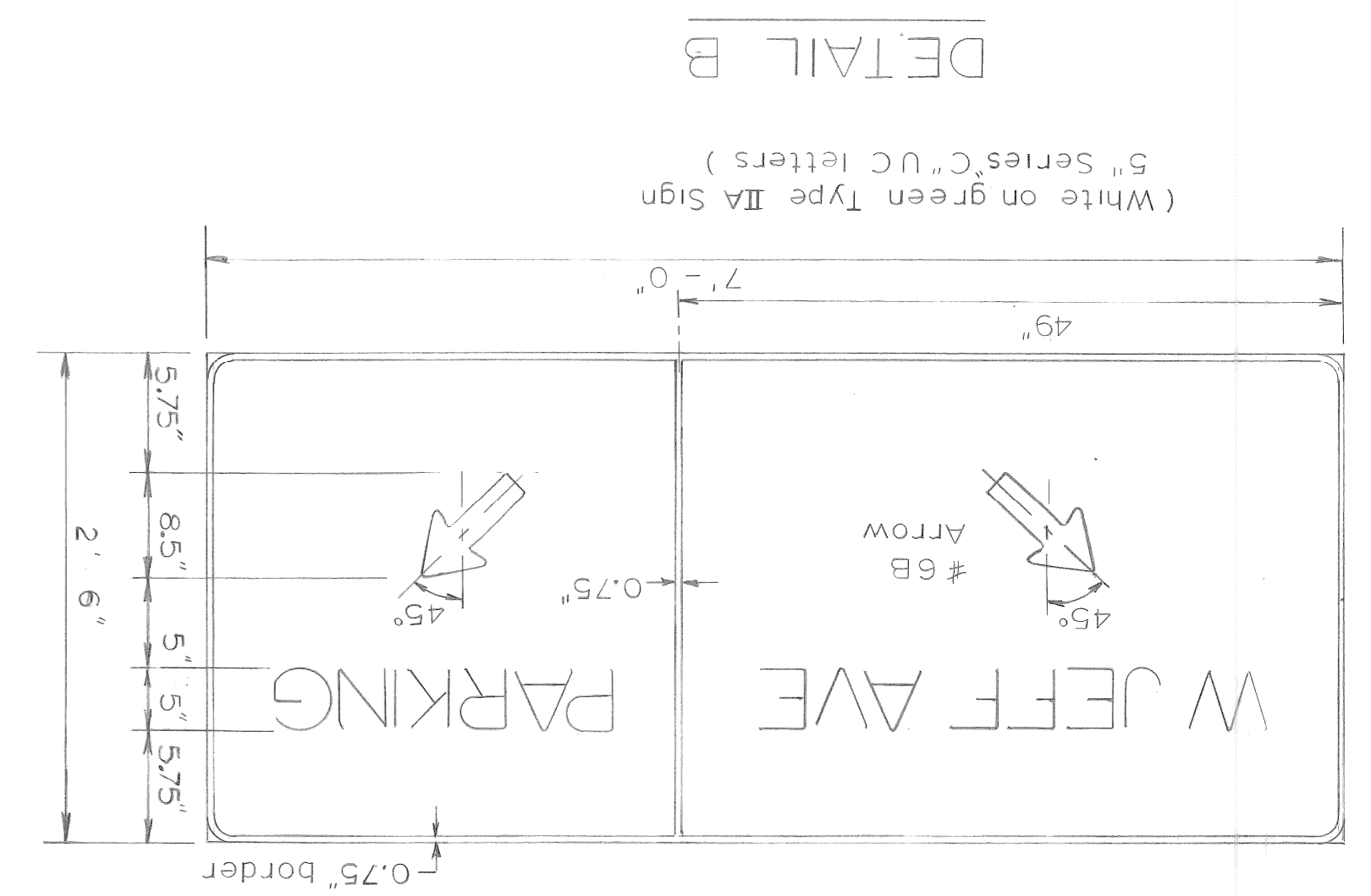
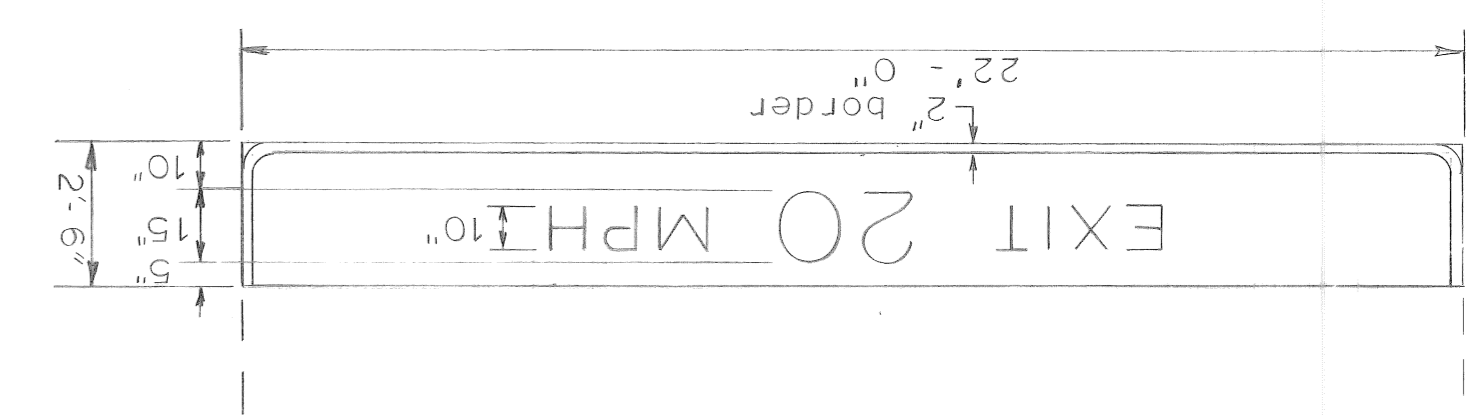
F.S.A. NO.	STATE	FEDERAL PROJECT	ROUTE	SECTION	JOB NO.
1			US-10 WAYNE	82111	
SHEET TOTAL					
NO. SHEETS					



SHEET NO.	NO. SHEETS	FEDERAL PROJECT	ROUTE	SECTION	JOB NO.
29			US-10 WAYNE	82111	



F.S.A. NO.	STATE	FEDERAL PROJECT	ROUTE	SECTION	JOB NO.
1			US-10 WAYNE	82111	
SHEET TOTAL					
NO. SHEETS					



F. H. W. A.	STATE	FEDERAL PROJECT	R. D. W. NO.	SHEET TOTAL
5	MICH.			
ROUTE	COUNTY	CONTROL SECTION	JOB NO.	

SECTION	CONTROL	JOB NO.	FEDERAL PROJECT	R. D. W. NO.	SHEET TOTAL
82111	16563A				39

SUMMARY OF QUANTITIES

ITEM DESCRIPTION
 ITEM CODE
 UNIT
 PROJECT TOTAL

JOB NUMBER 16563A
 CONTROL SECTION 82111

JOB SUBTOTAL

SHEET 002G

As Constructed Quantities
 Abstraction Number

6260101	LFT	50	3# STEEL POST
6260116	SFT	446	SIGN, TYPE 1A
6260117	SFT	46	SIGN, TYPE 11A
6260119	SFT	55	SIGN, TYPE 1B
6260120	SFT	75	SIGN, TYPE 11B
6260121	SFT	27	SIGN, TYPE 111B
6260130	EACH	2	BRIDGE CONNECTION, TYPE A
6260132	EACH	3	BRIDGE CONNECTION, TYPE C
6260134	EACH	1	BRIDGE CONNECTION, TYPE E
6260135	EACH	1	BRIDGE CONNECTION, TYPE F
6260150	EACH	6	REMOVAL OF SIGN, TYPE I
6260151	EACH	6	REMOVAL OF SIGN, TYPE II
6260171	EACH	2	SALVAGED SIGN, TYPE I
6267000	EACH	9	BARRIER CONNECTION, TYPE I
6267001	EACH	2	BARRIER CONNECTION, TYPE II
6267002	EACH	1	BARRIER CONNECTION, TYPE III

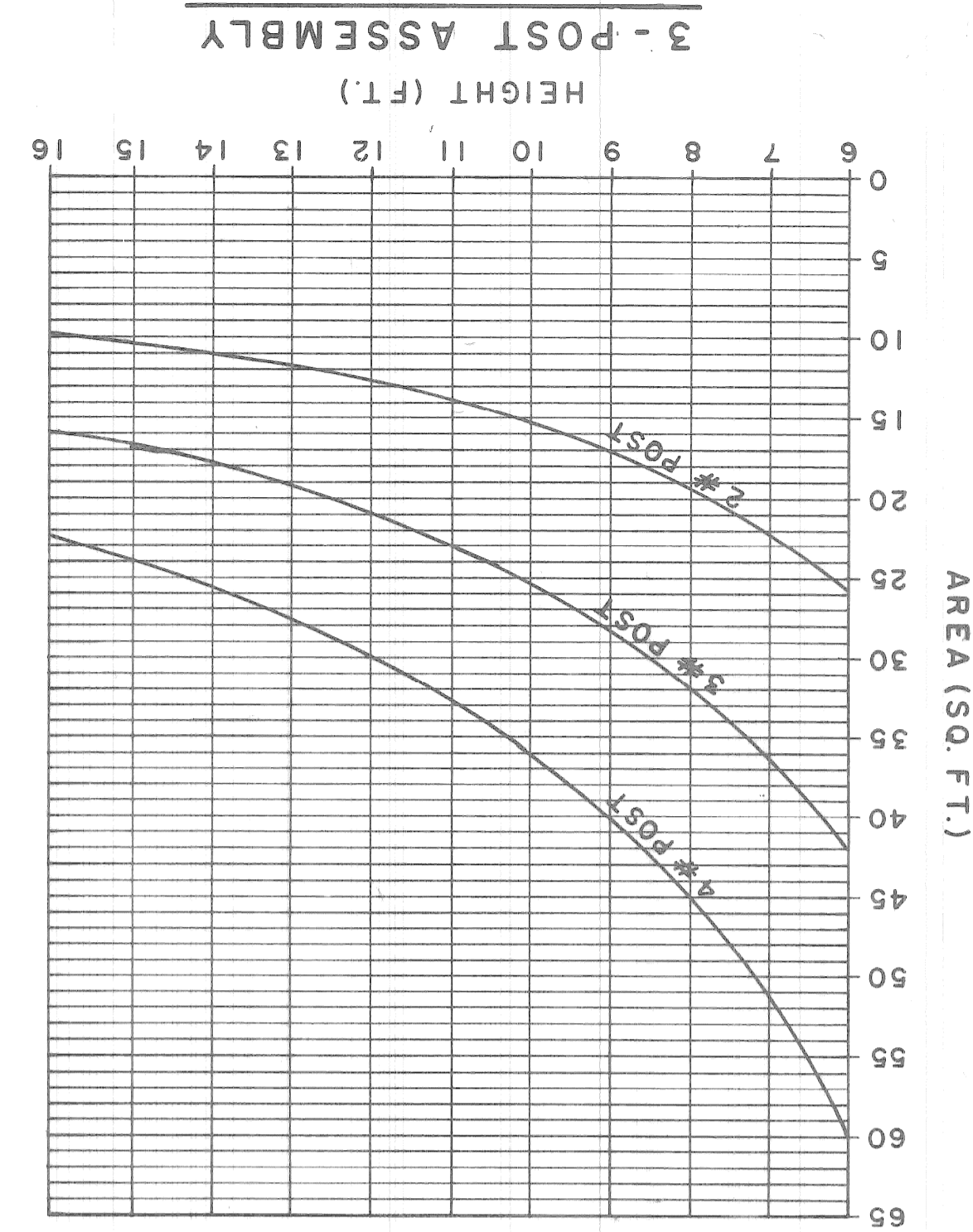
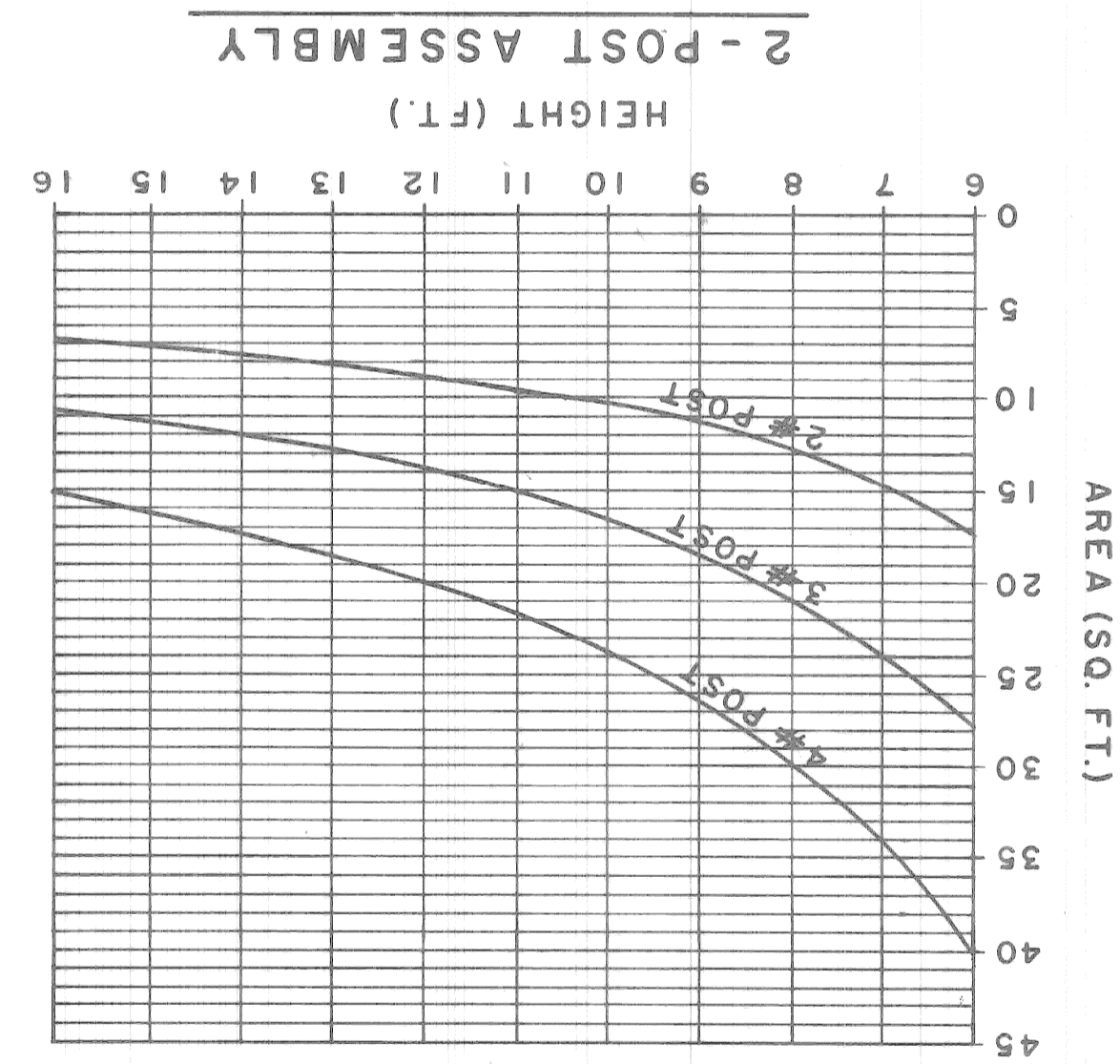
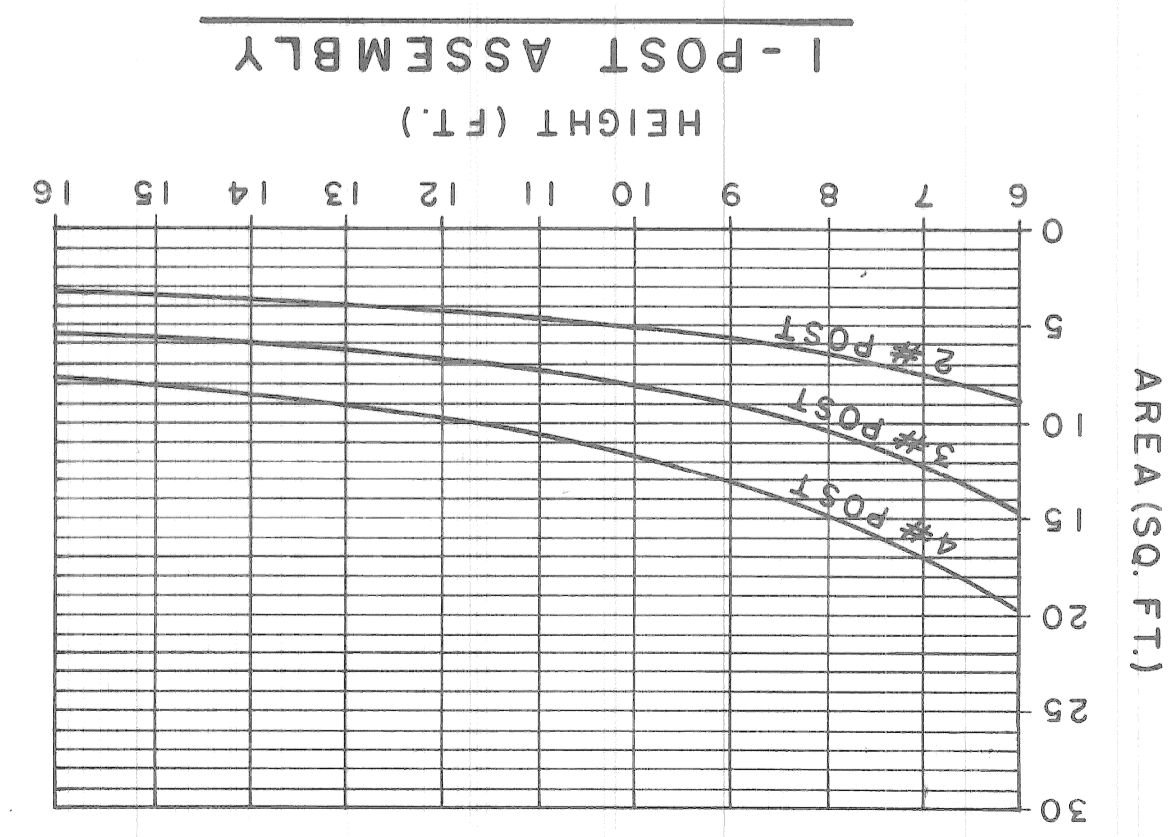
50	446	75	27	1	1	1	1	6	6	6	2	2	9	2	1
----	-----	----	----	---	---	---	---	---	---	---	---	---	---	---	---

47	446	75	27	1	1	1	1	6	6	6	2	2	9	2	1
----	-----	----	----	---	---	---	---	---	---	---	---	---	---	---	---

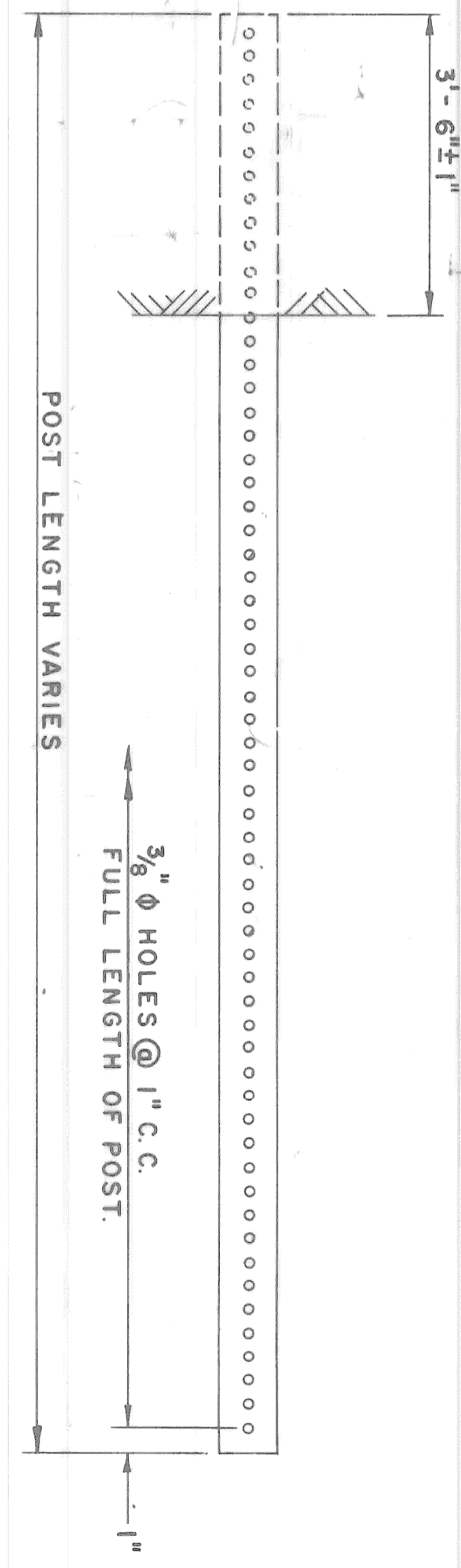
A 1022

NOTE: TOTALS ARE ROUNDED TO THE WHOLE UNIT.

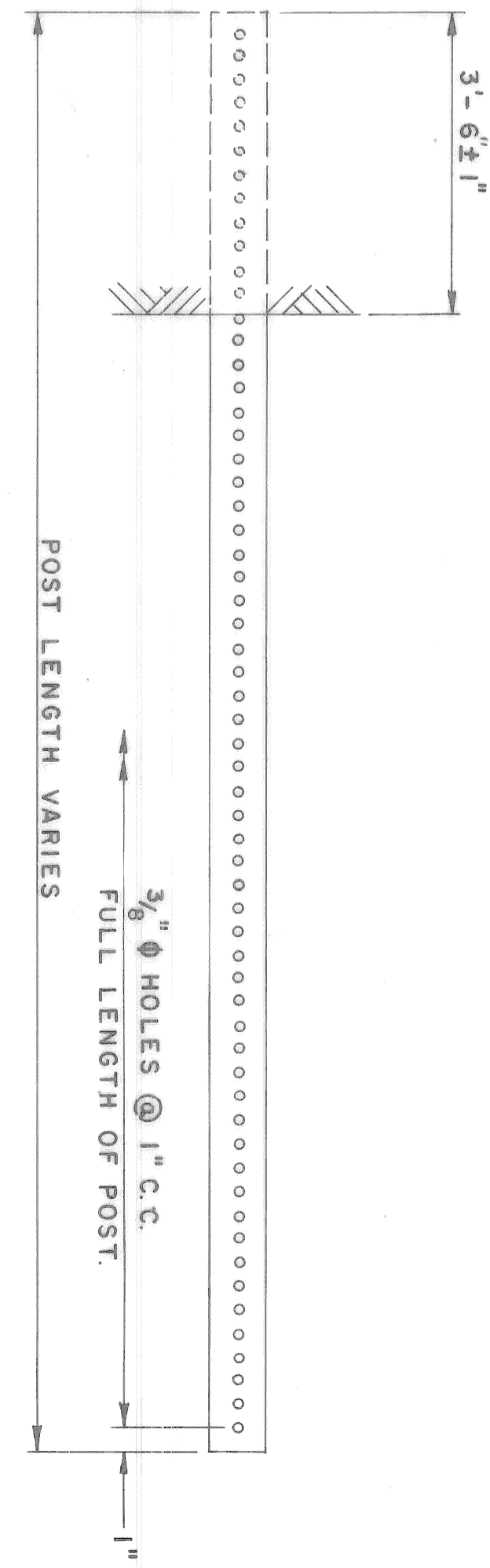
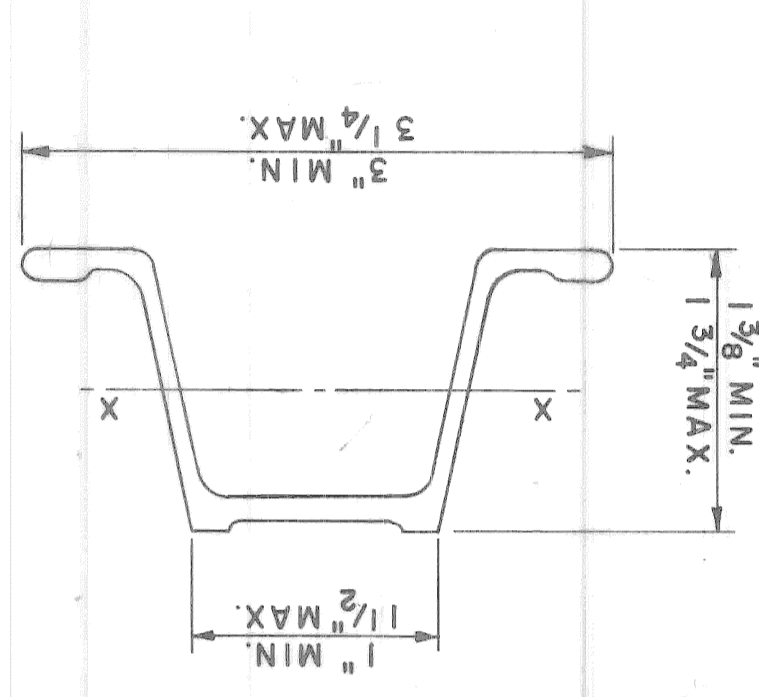
CHECKED
 CONTRACT SECTION
 DATE 5/18/78



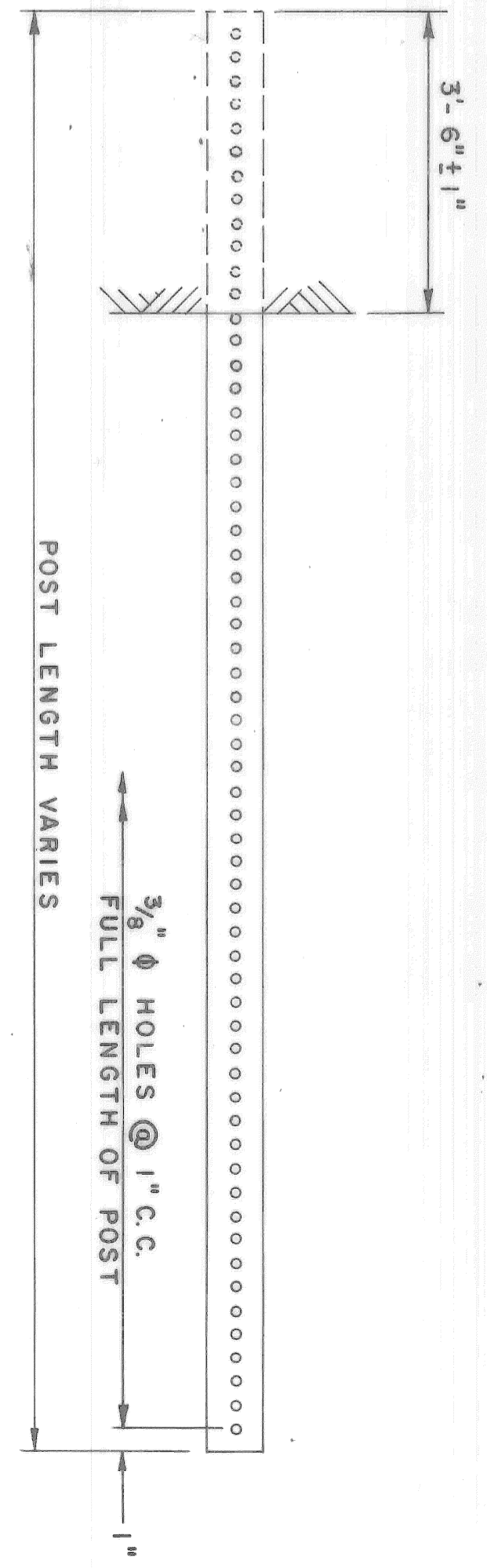
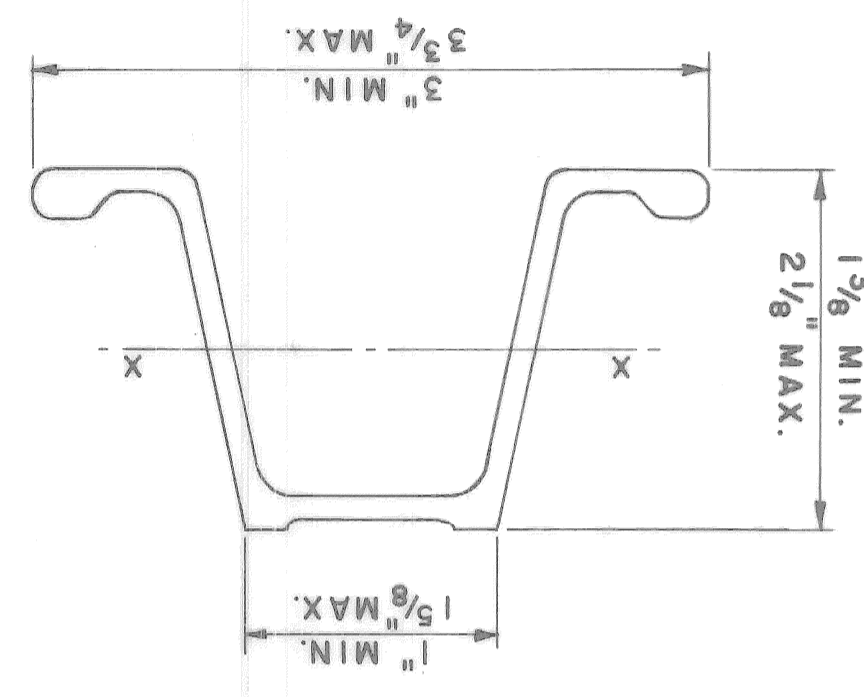
HEIGHT = DISTANCE FROM GROUND TO CENTER OF SIGN OR SIGN CLUSTER.



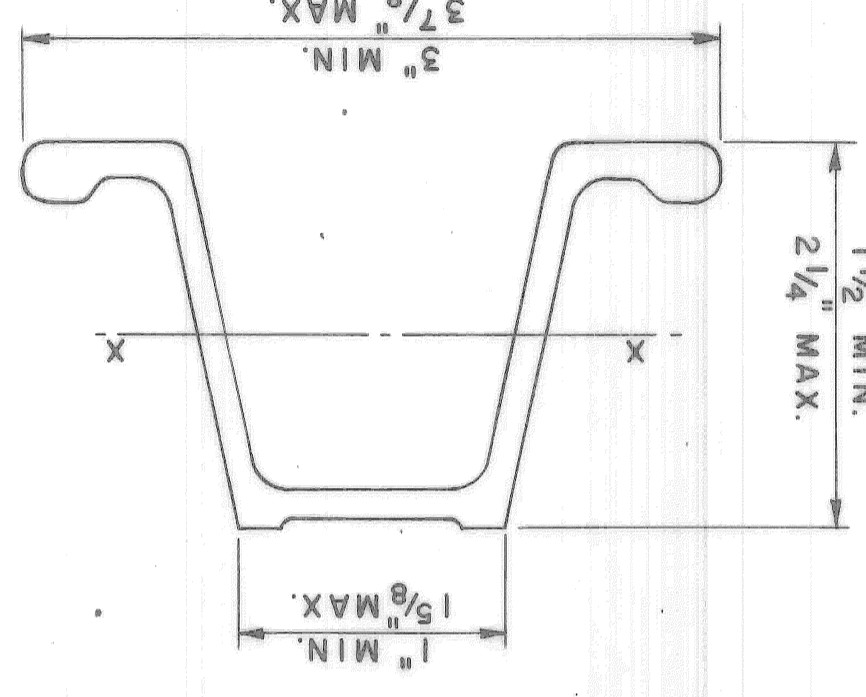
2# STEEL POST
SECTION MODULUS X-X = 0.19 IN.³ MIN.
WEIGHT = 2 LB/FT MIN.



3# STEEL POST
SECTION MODULUS X-X = 0.31 IN.³ MIN.
WEIGHT = 3 LB/FT MIN.



4# STEEL POST
SECTION MODULUS X-X = 0.44 IN.³ MIN.
WEIGHT = 4 LB/FT MIN.



MICHIGAN DEPARTMENT OF STATE HIGHWAYS AND TRANSPORTATION
STEEL POST

NO.	REVISIONS	DATE	BY

ROAD DIST.	DRAWN BY	W.C.G.	B-7-75

TRACED BY	CHECKED BY	DATE	SHEET
	L.W.P.	8-13-75	3.10

NOTES:
(1) POST SHALL BE GALVANIZED.
(2) SEE STANDARD PLAN S 9.20 FOR SIGN CONNECTION.

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
MISCELLANEOUS
SIGN CONNECTION DETAILS

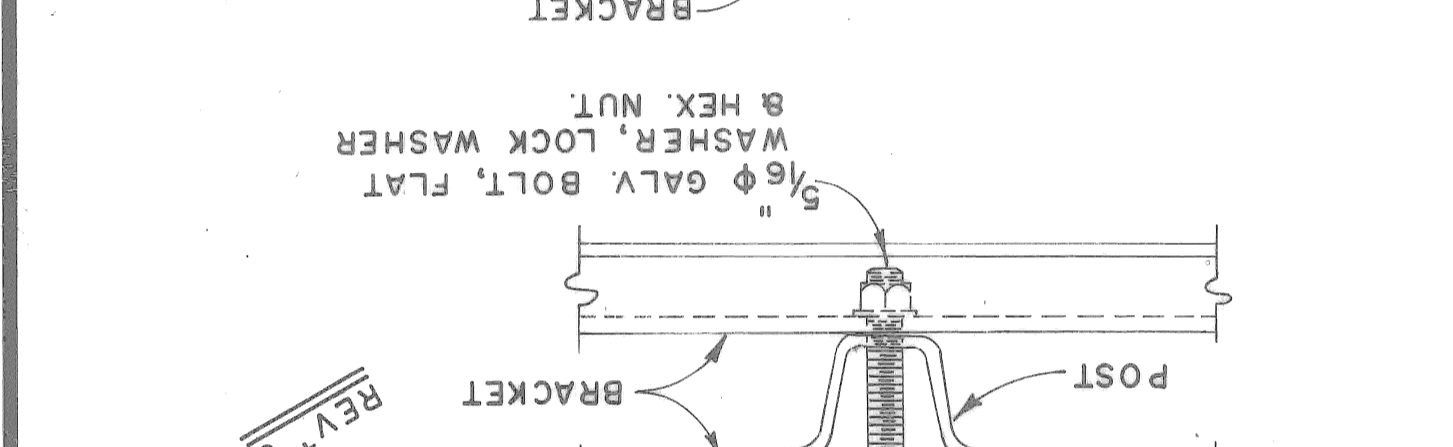
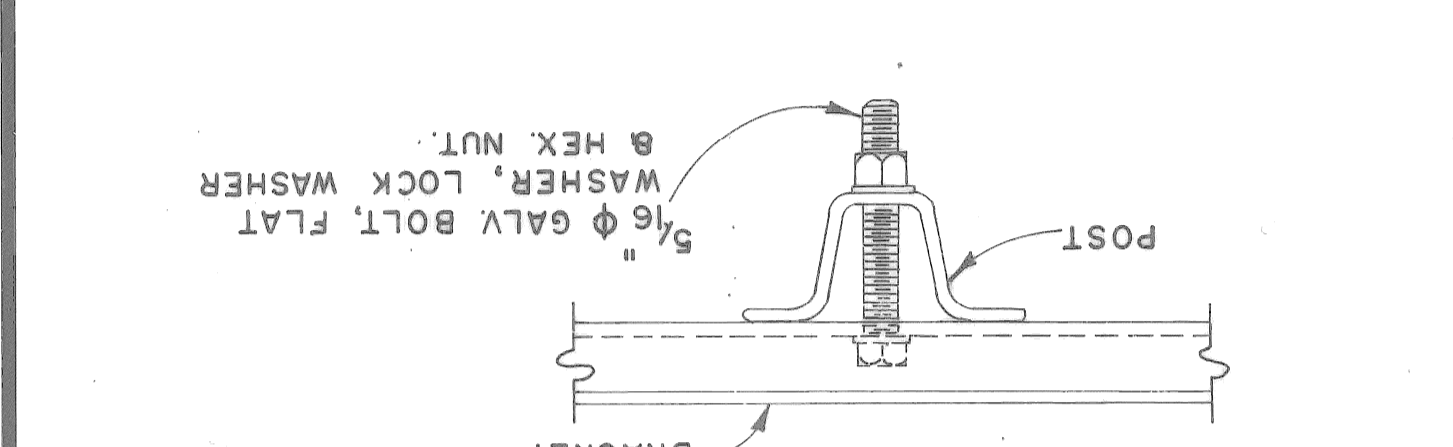
9. STEEL REINFORCING PLATE ADDED 3-71 W/10. TORQUE REQUIREMENT DELETED.
 8. SECOND BOLT ADDED.
 7. NOTE #3 ADDED.
 6. BRACKET DIMENSIONS CHANGED.
 5. CHANGE 4-SIGN CLUSTER MOUNTING 11-29-67 K.G.P.
 4. 6" POSTS ADD. TO SIGN TO POST VIEW 4-11-67 T.M.W.
 3. PIGGYBACK CONN. DELETED, VIEW ADD. 4-14-66 G.R.H.
 2. 6-64
 1. 1-64

NO. DESCRIPTION DATE BY
 REVISIONS

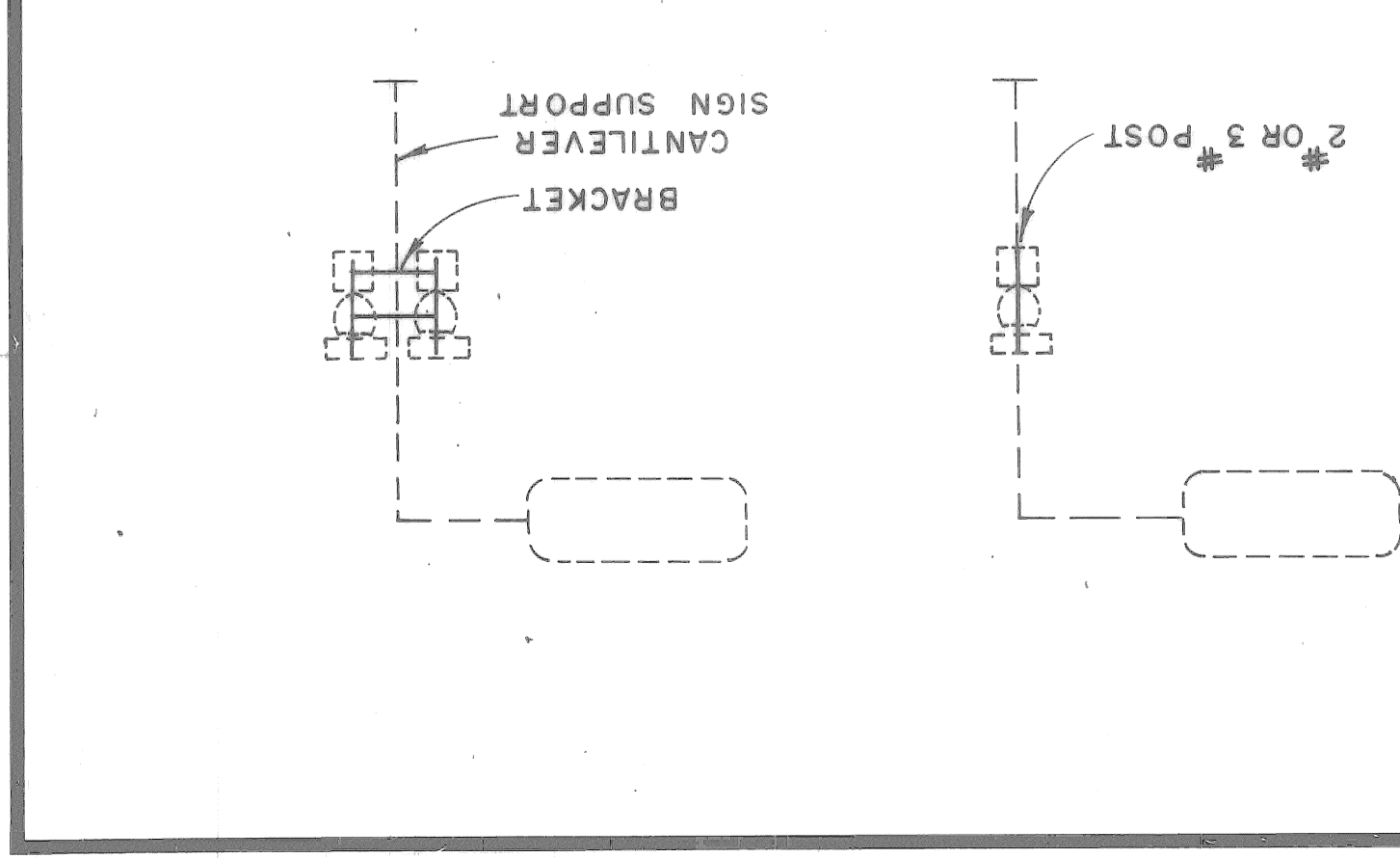
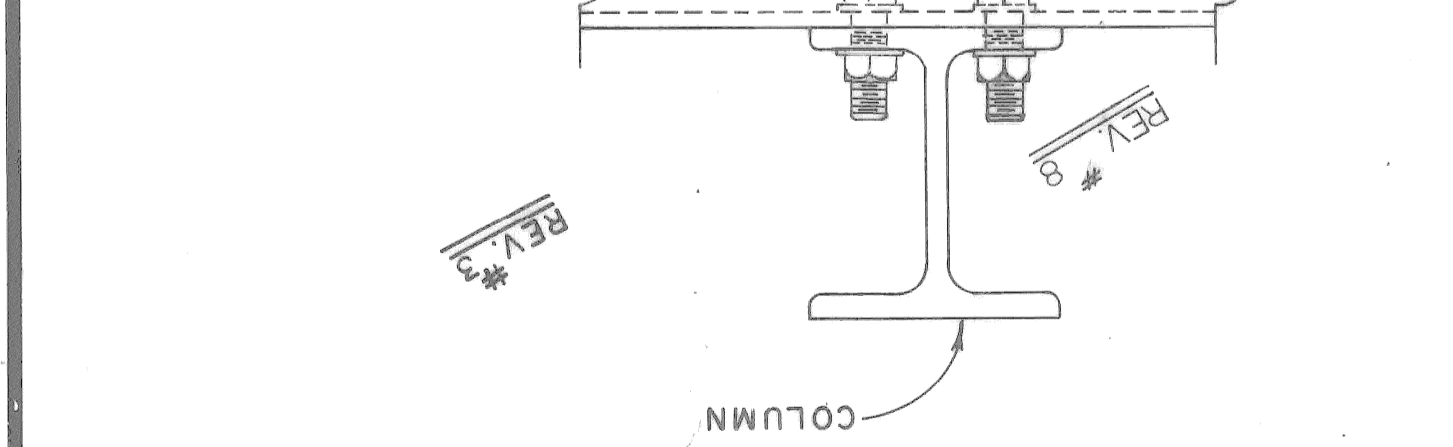
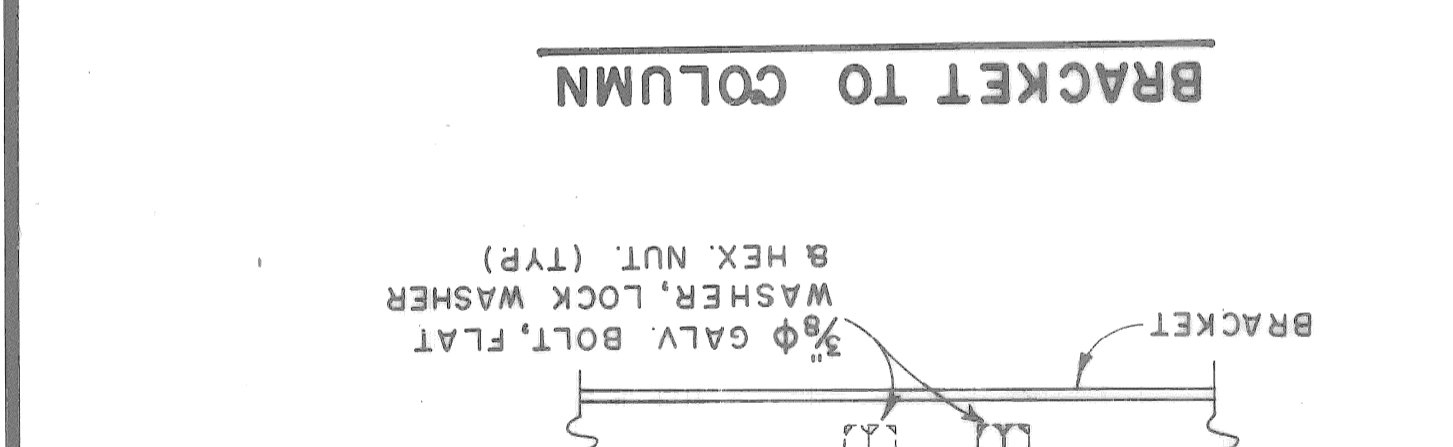
DRAWN BY G.R.H. 4-14-66
 CHECKED BY T.R.K. 4-16-66
 SHEET 2 OF 3
 59.20

NOTE:
 1. ALL CONNECTIONS ARE INCIDENTAL TO "SIGN".
 2. ALL STEEL PARTS SHALL BE GALVANIZED.
 3. FOR SIGN CONNECTIONS TO WOOD SUPPORTS SEE PLAN S3.30
 4. USE BAR FOR BRACKET WHEN "STRAPPING CONNECTION TO POLE" (S9.30) IS USED.

BRACKET TO POST

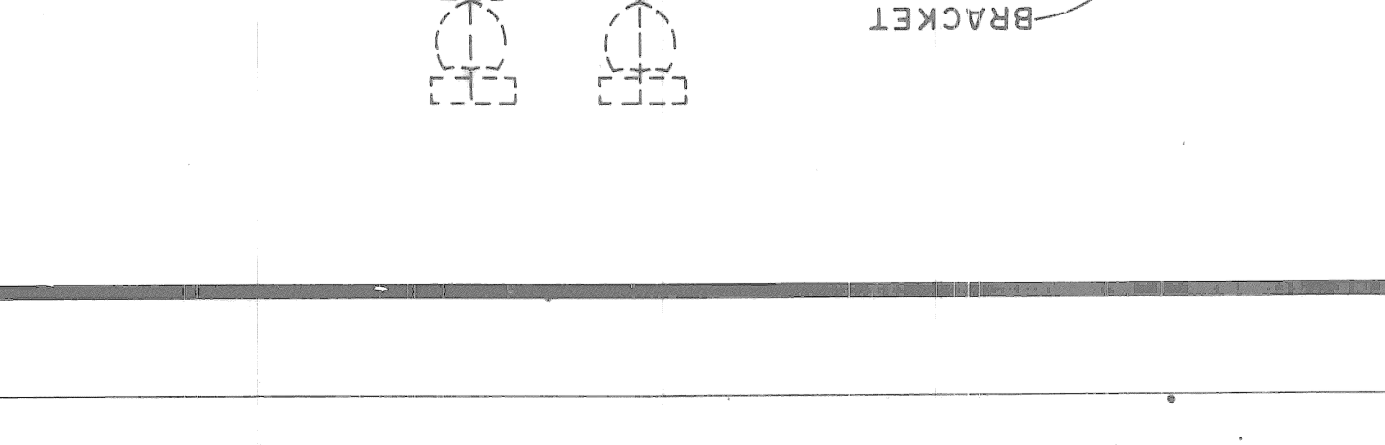
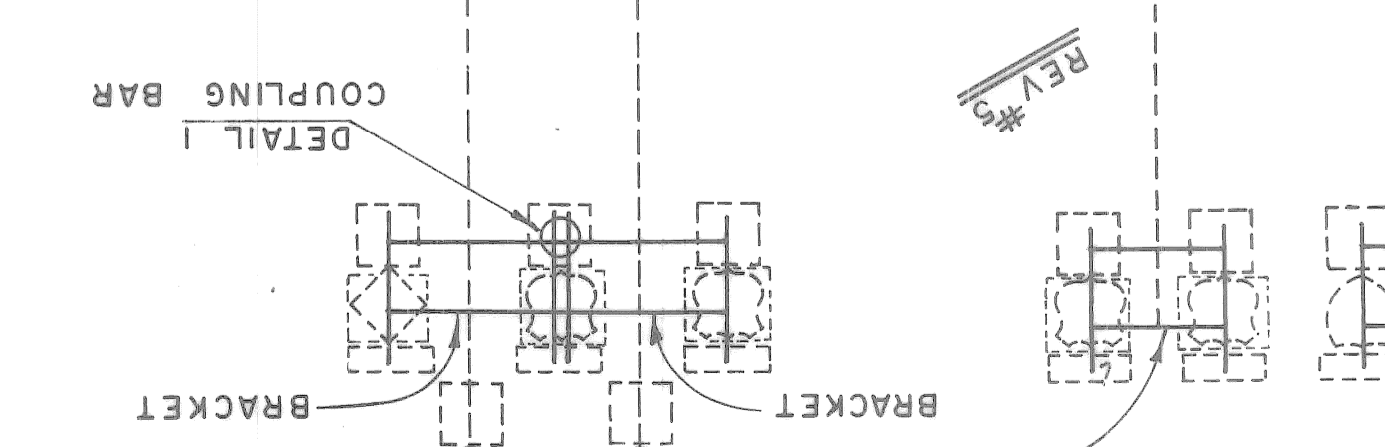
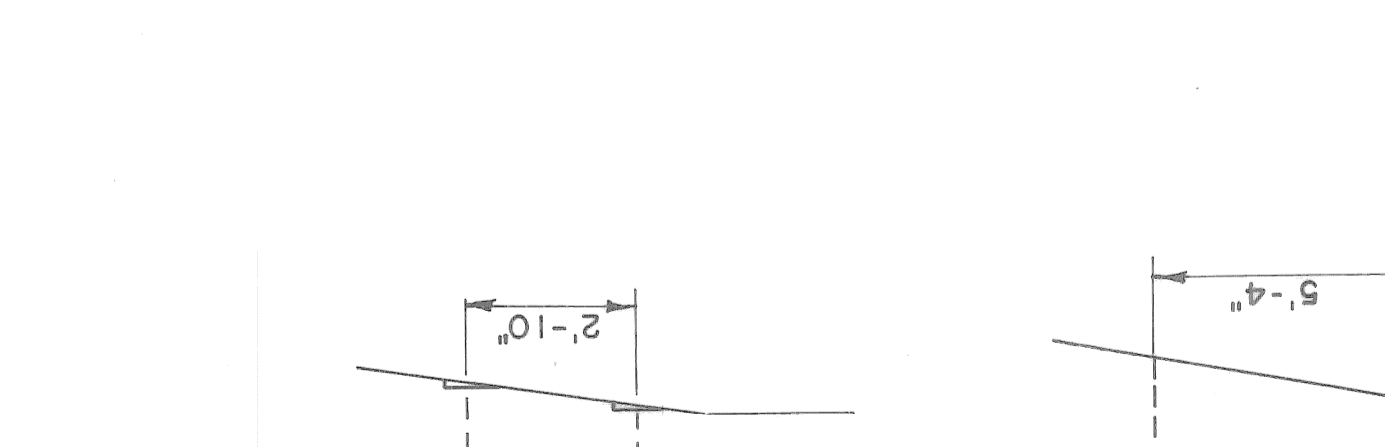
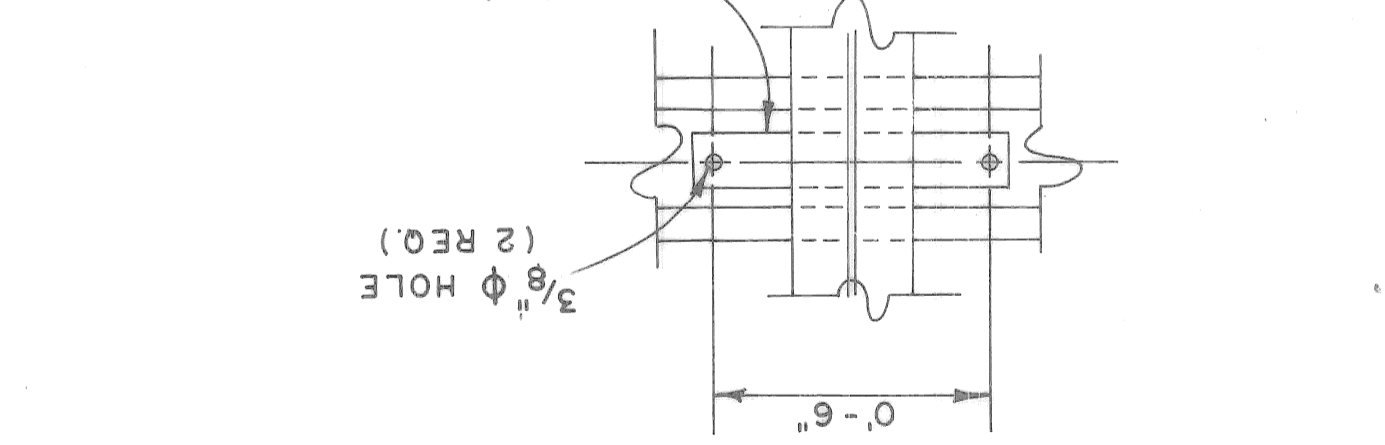
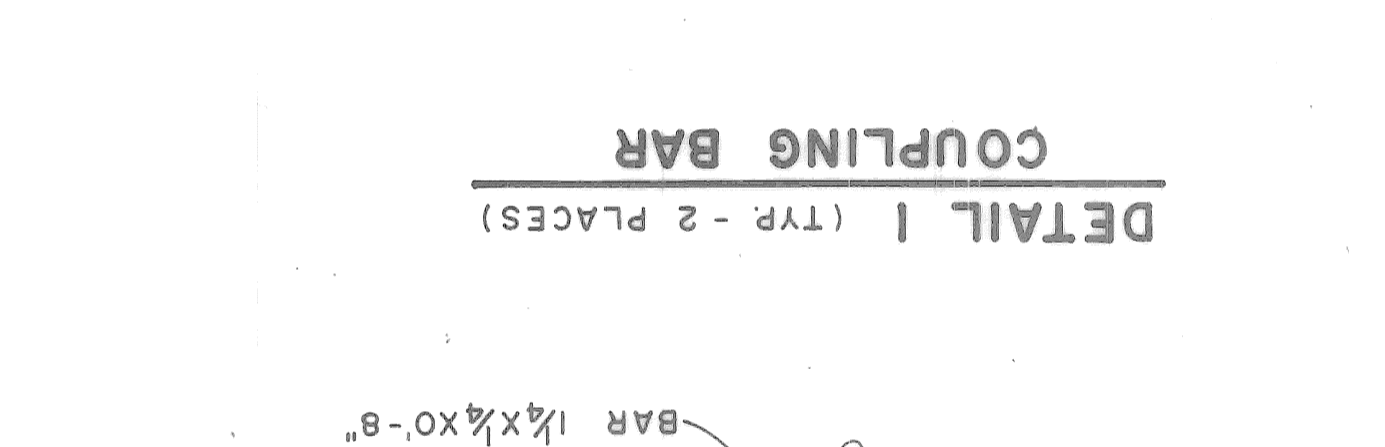
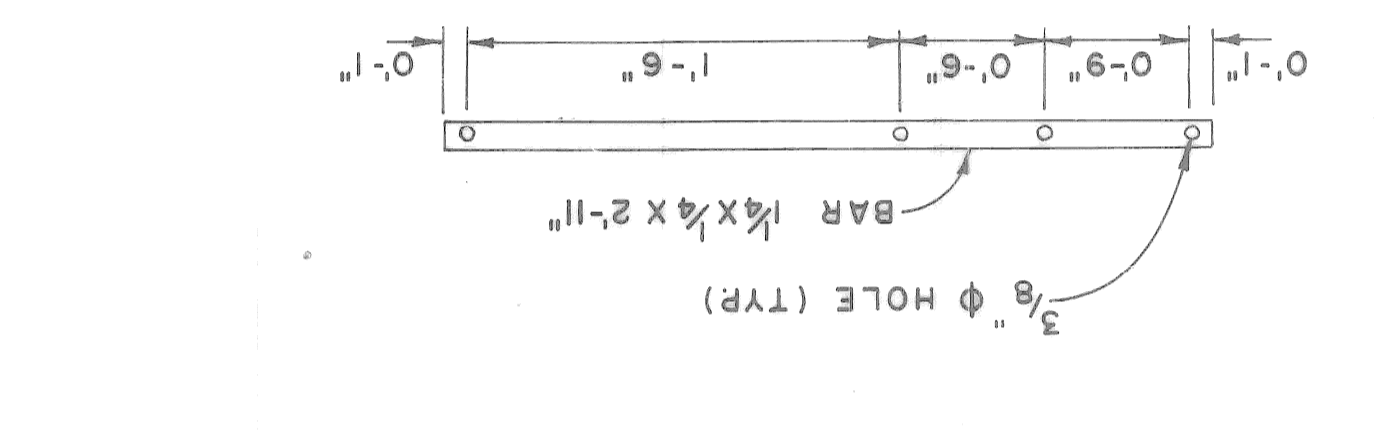
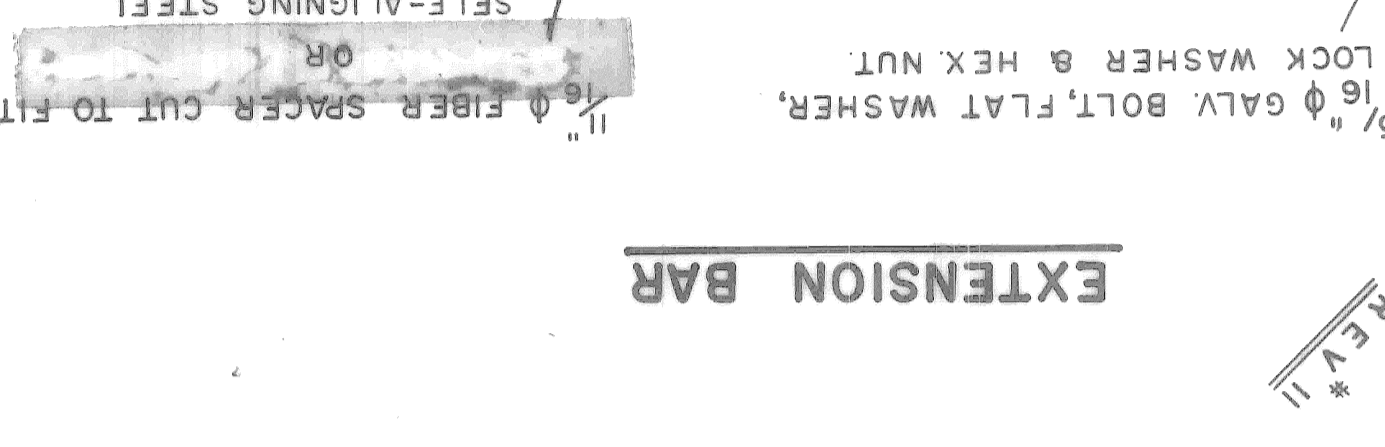
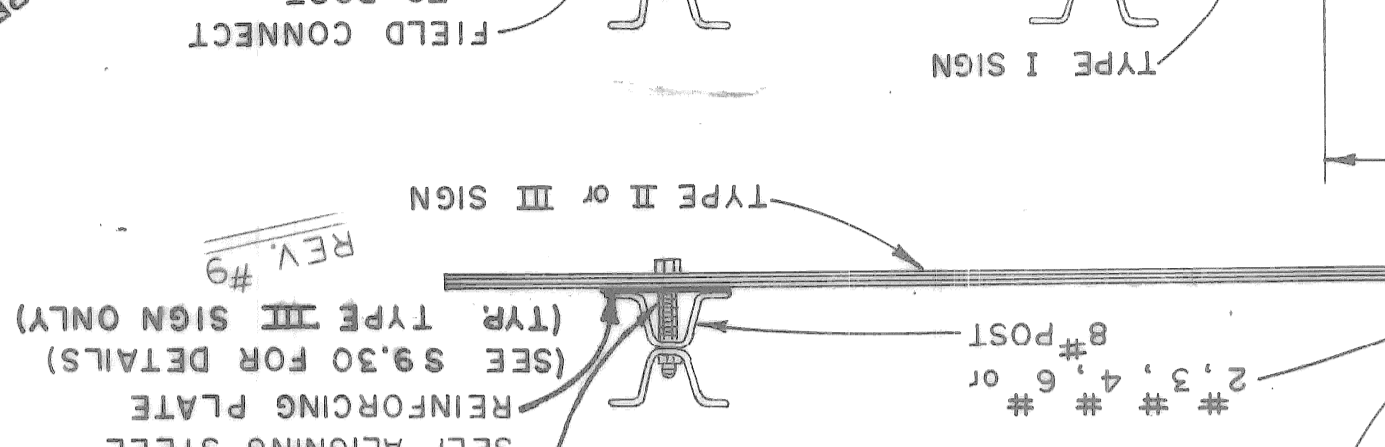
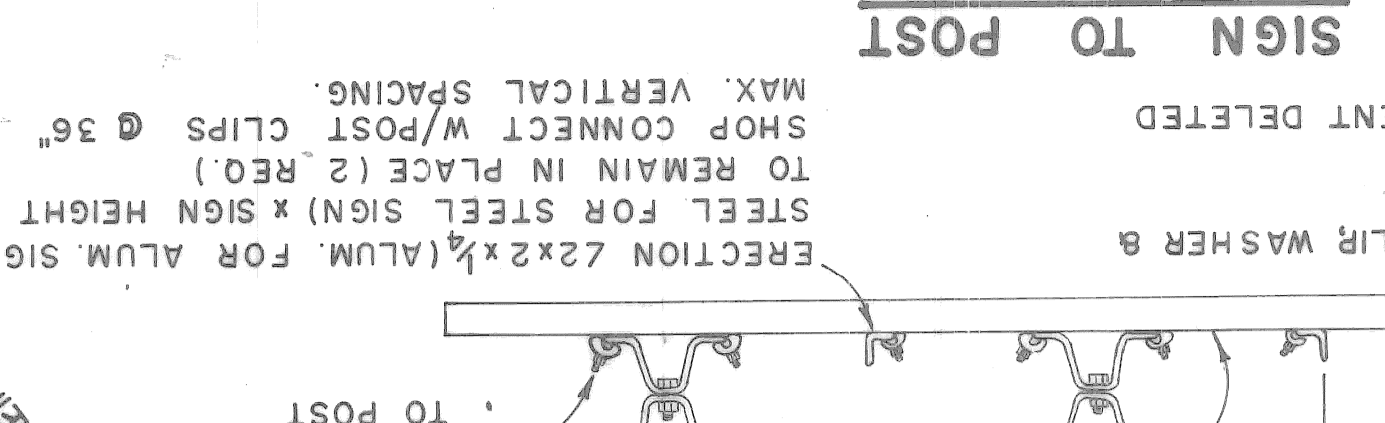


BRACKET TO COLUMN

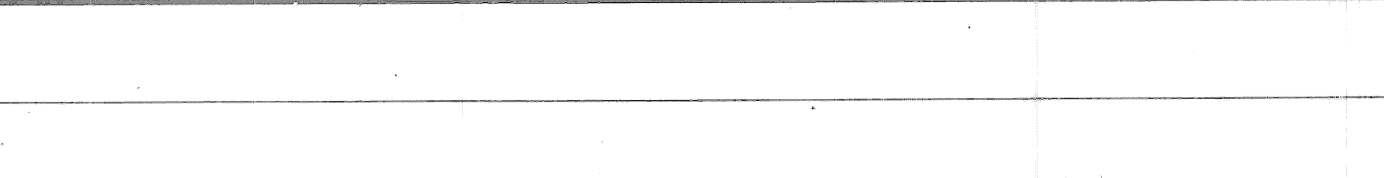
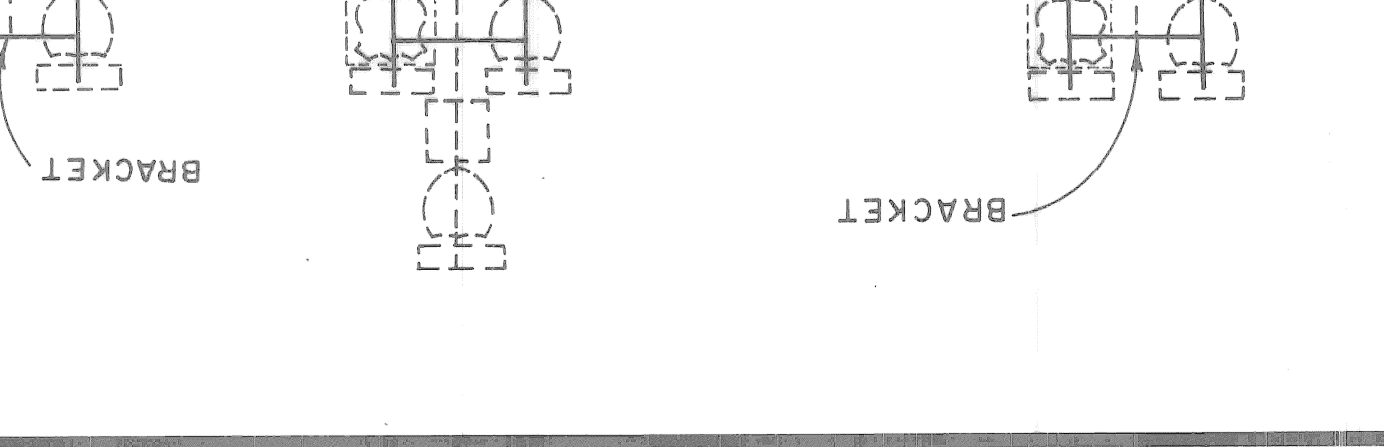
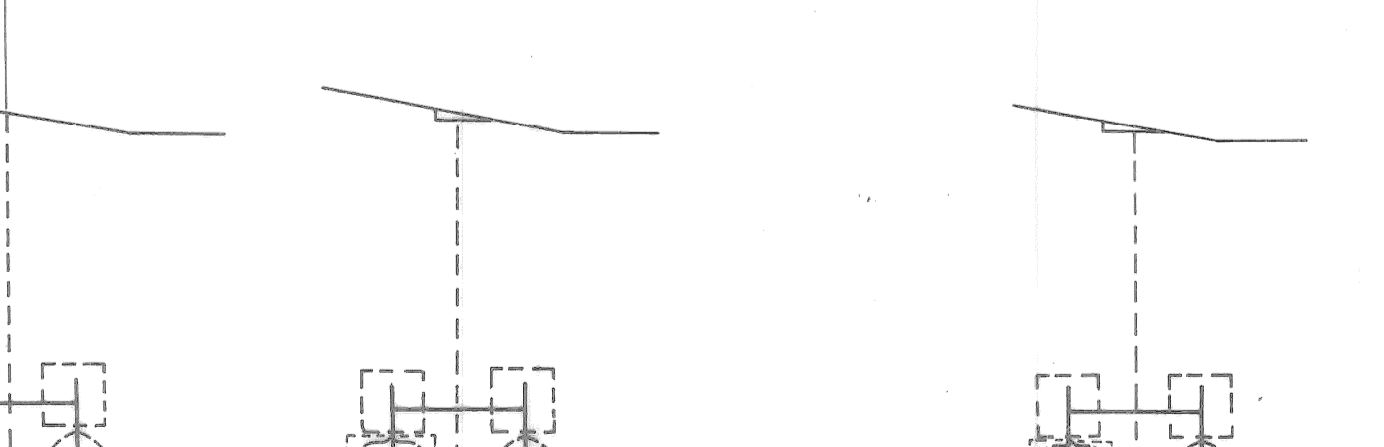
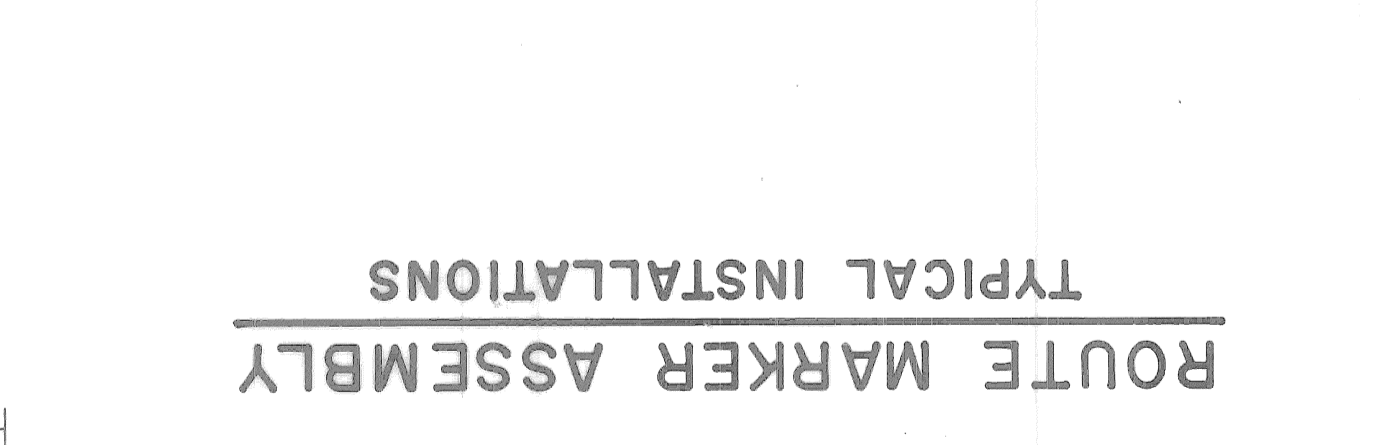
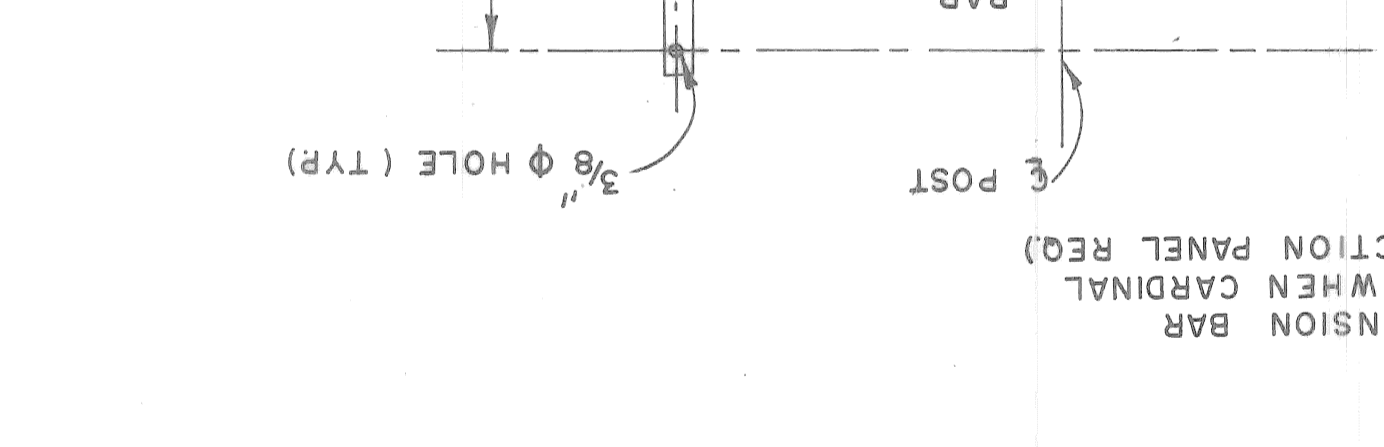
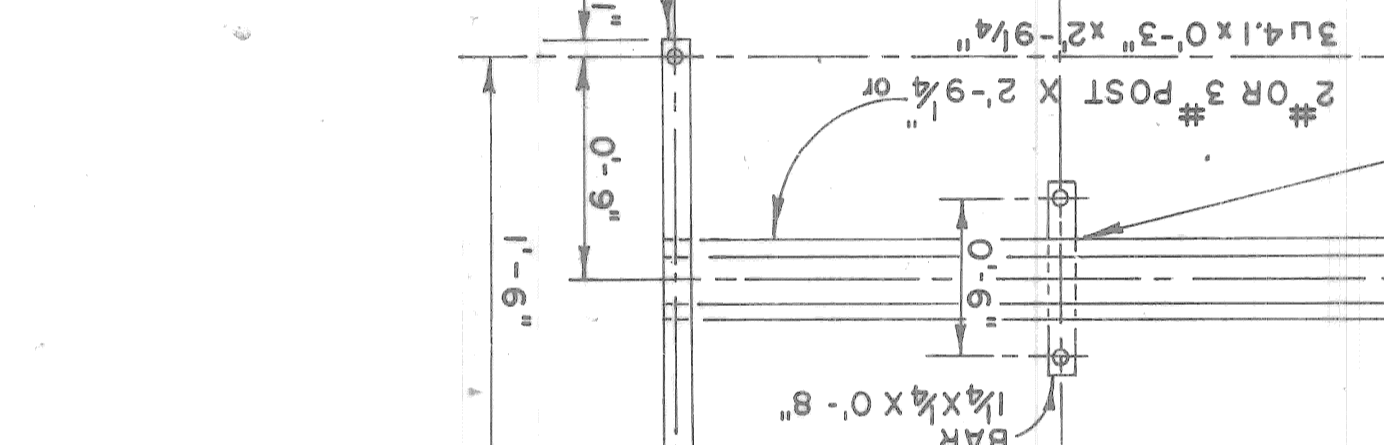
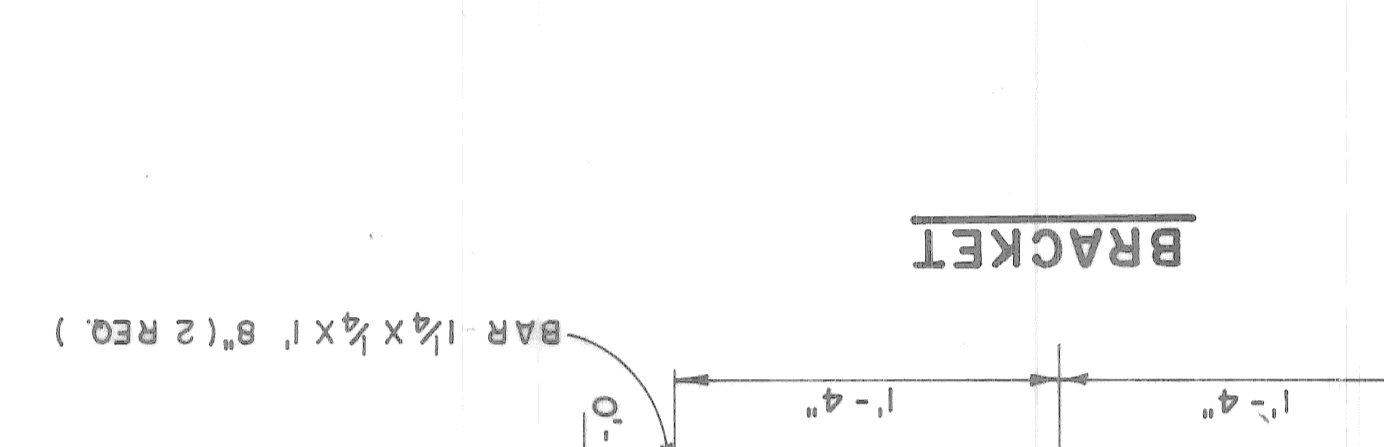
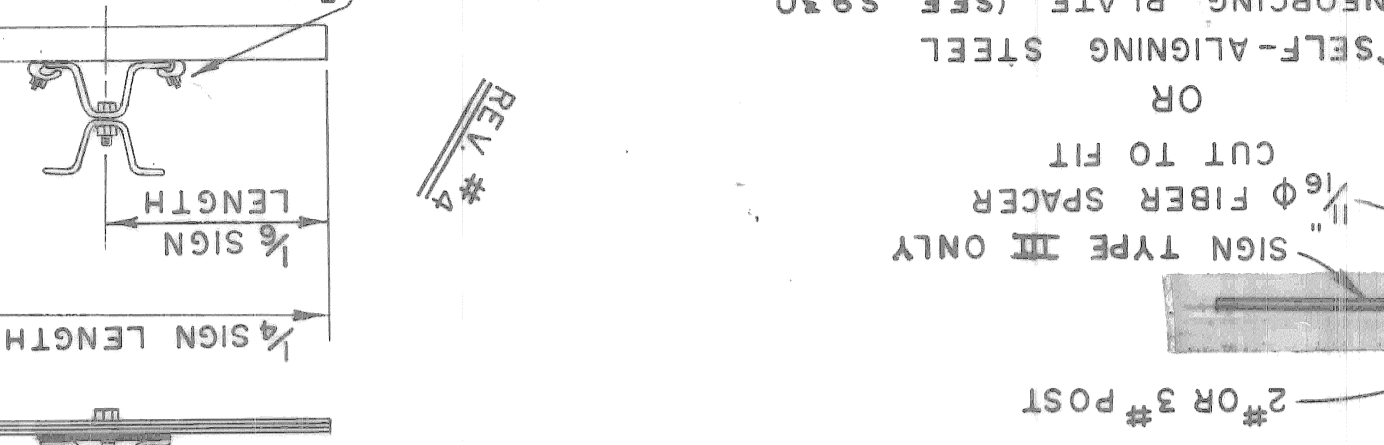
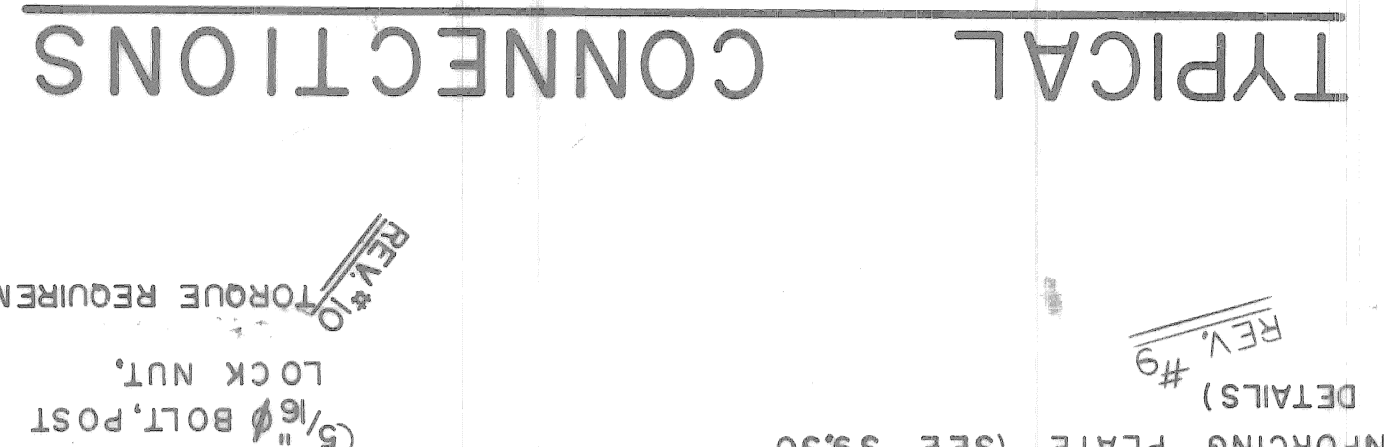


12. Holes changed to 3/8"
 11. BRACKET REDESIGNED, NOTE #4 ADDED.
 10. BRACKET DIMENSIONS CHANGED, ALTERNATE EXTENSION BAR CHANGED, ALTERNATE ARRANGEMENT.
 9. CHANGE 4-SIGN CLUSTER MOUNTING 11-29-67 K.G.P.
 8. SECOND BOLT ADDED.
 7. NOTE #3 ADDED.
 6. BRACKET DIMENSIONS CHANGED.
 5. CHANGE 4-SIGN CLUSTER MOUNTING 11-29-67 K.G.P.
 4. 6" POSTS ADD. TO SIGN TO POST VIEW 4-11-67 T.M.W.
 3. PIGGYBACK CONN. DELETED, VIEW ADD. 4-14-66 G.R.H.
 2. 6-64
 1. 1-64

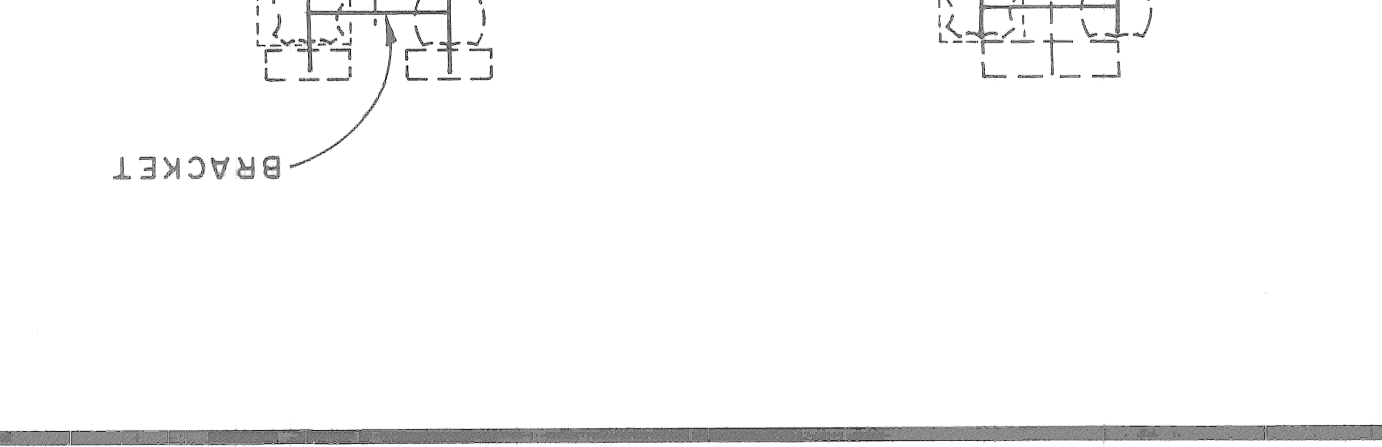
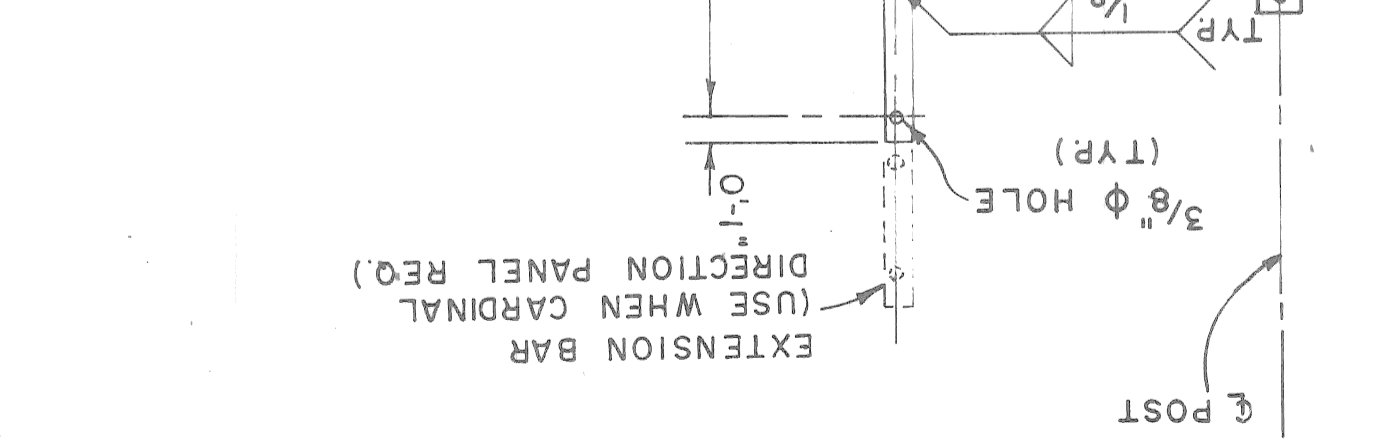
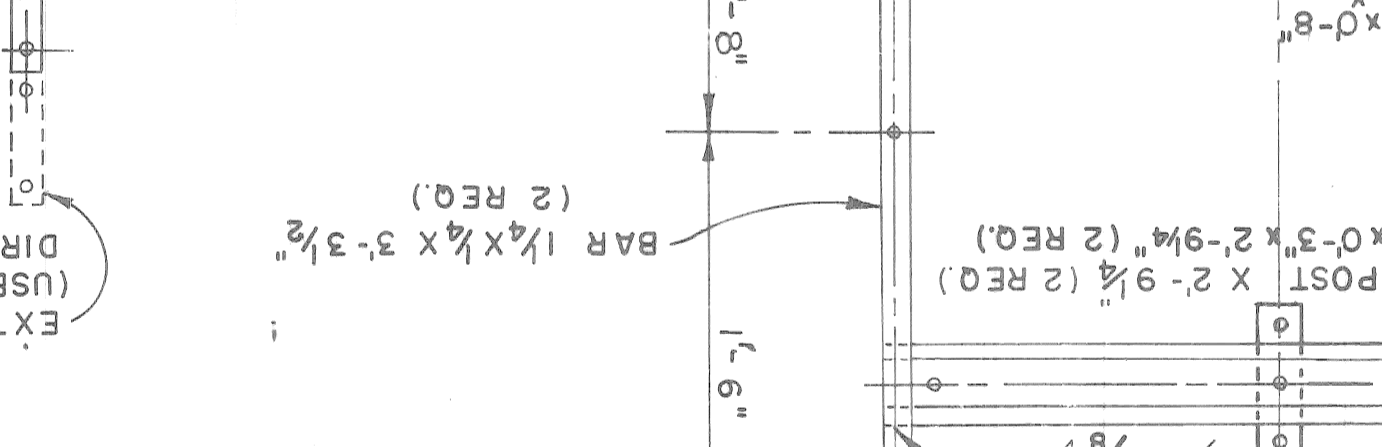
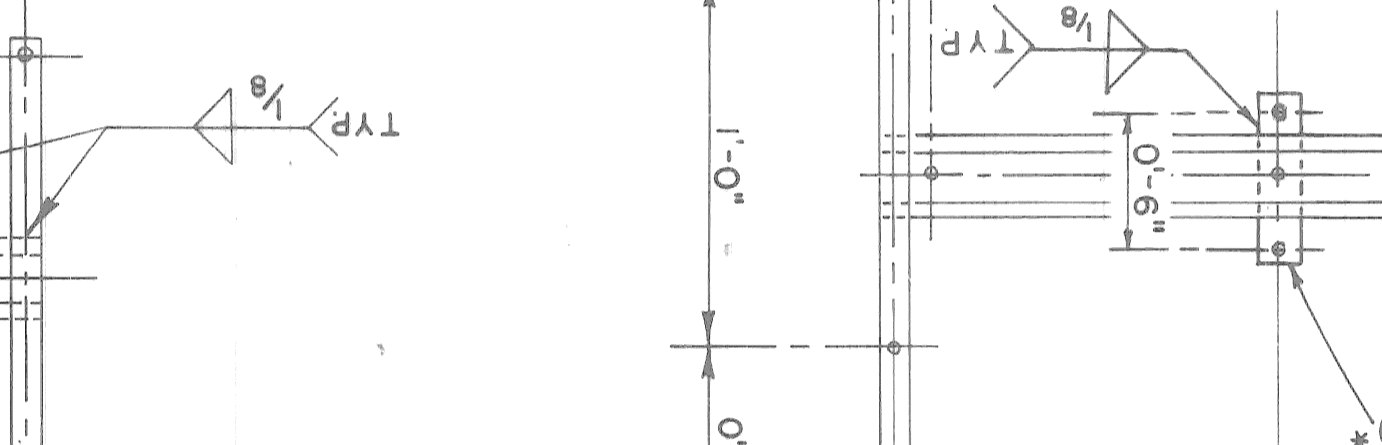
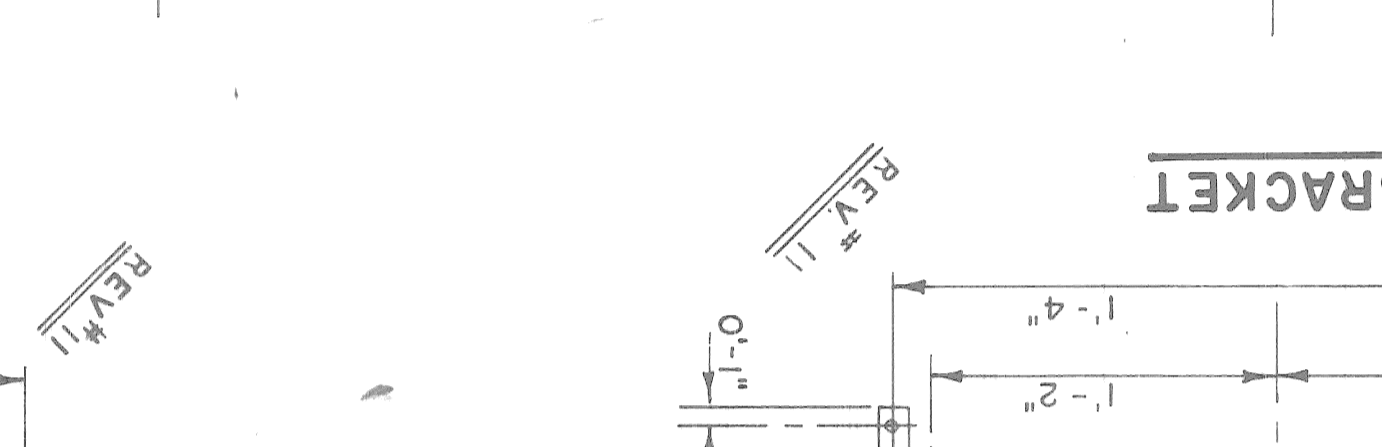
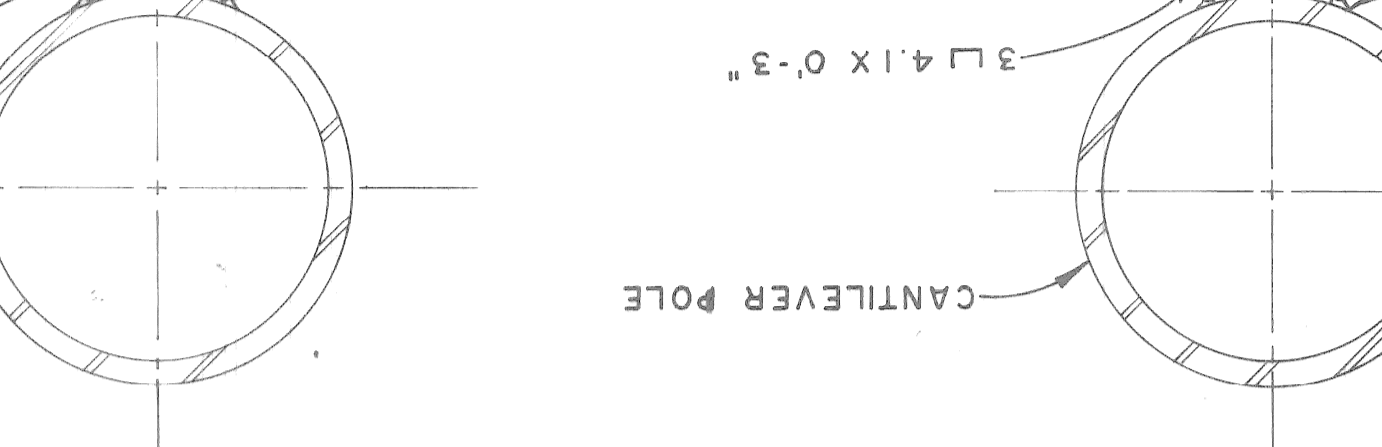
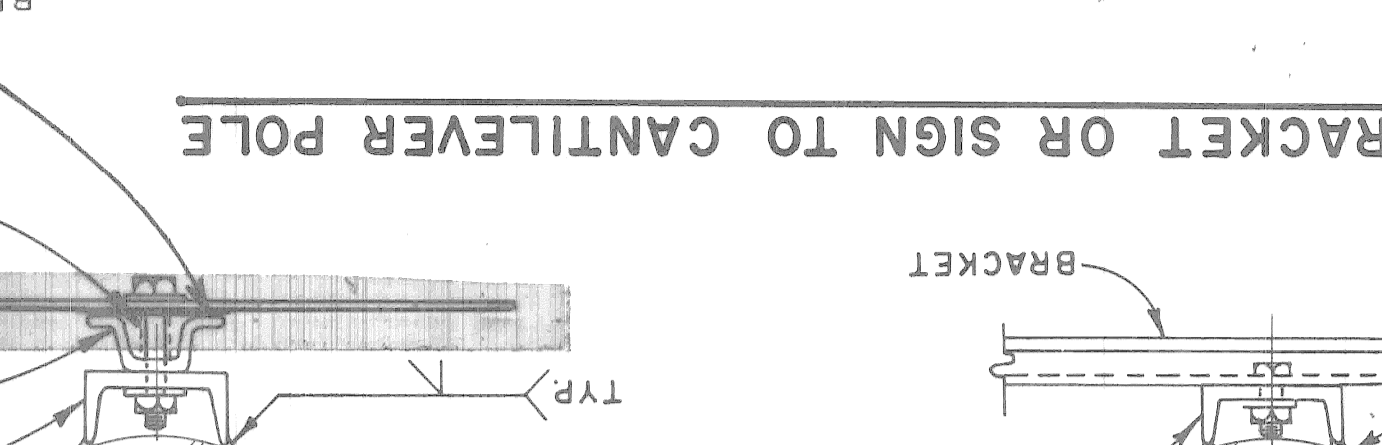
TYPICAL CONNECTIONS



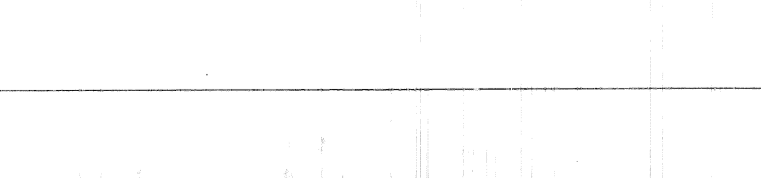
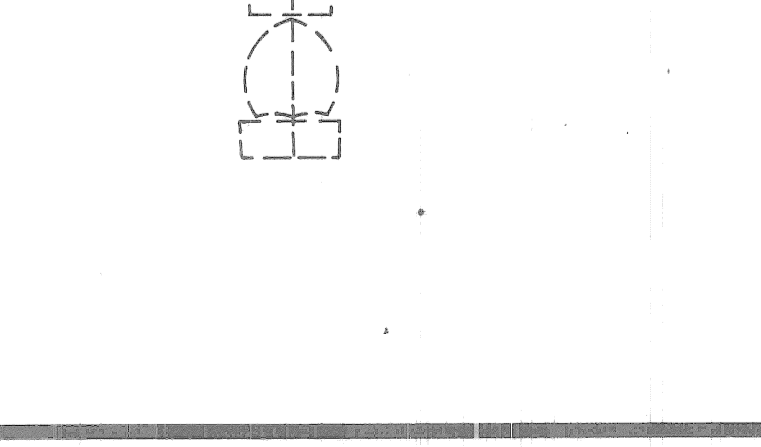
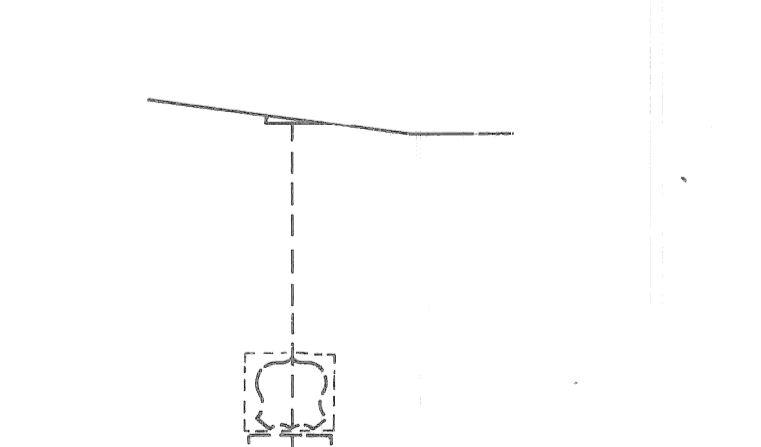
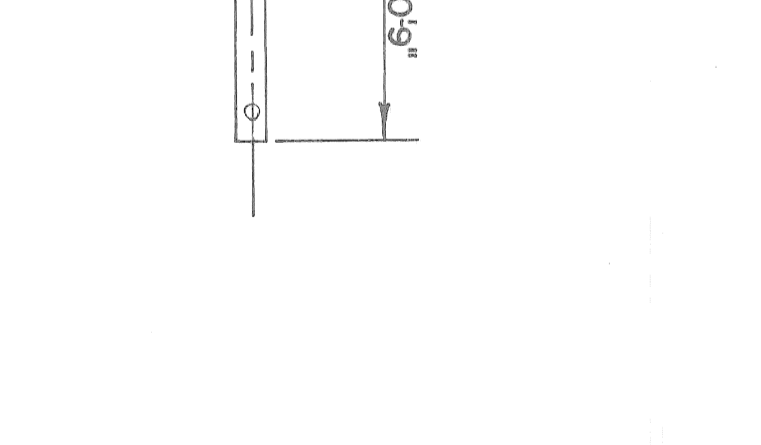
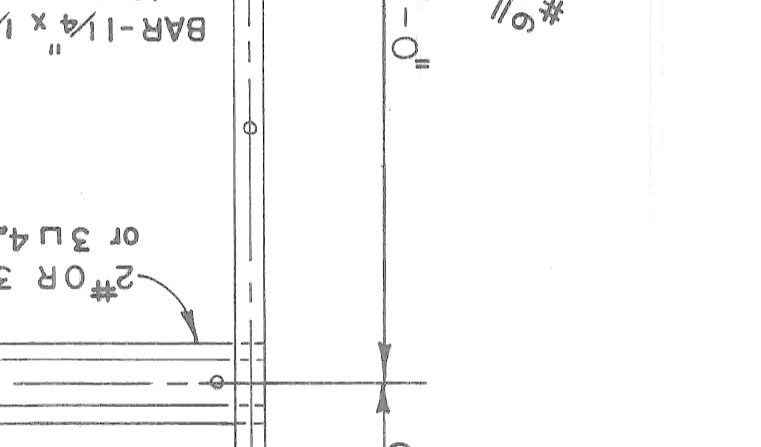
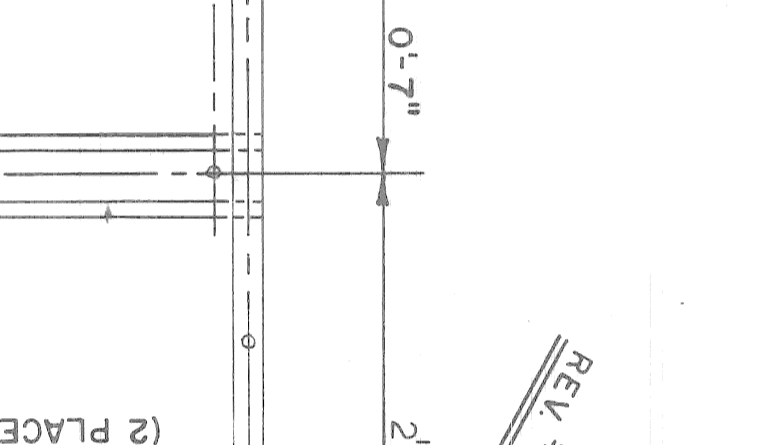
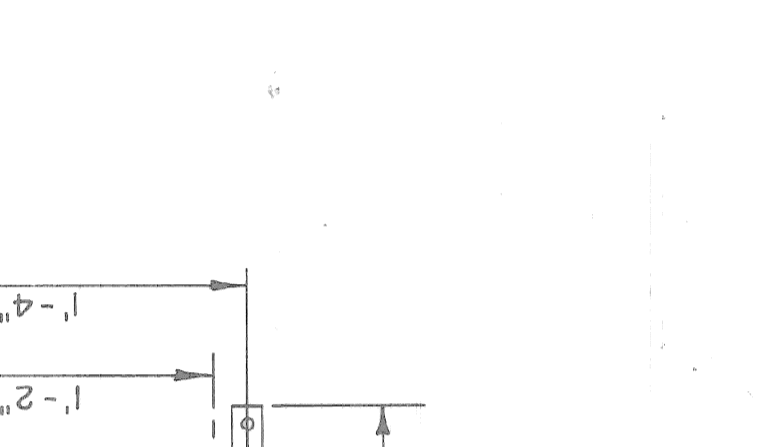
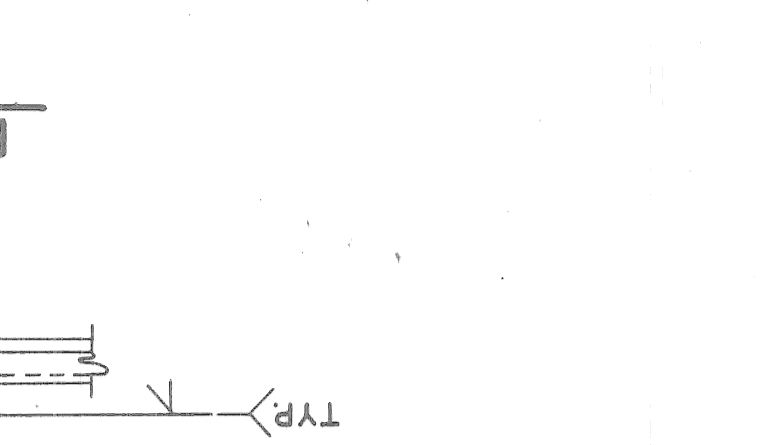
TYPICAL CONNECTIONS



ROUTE MARKER ASSEMBLY



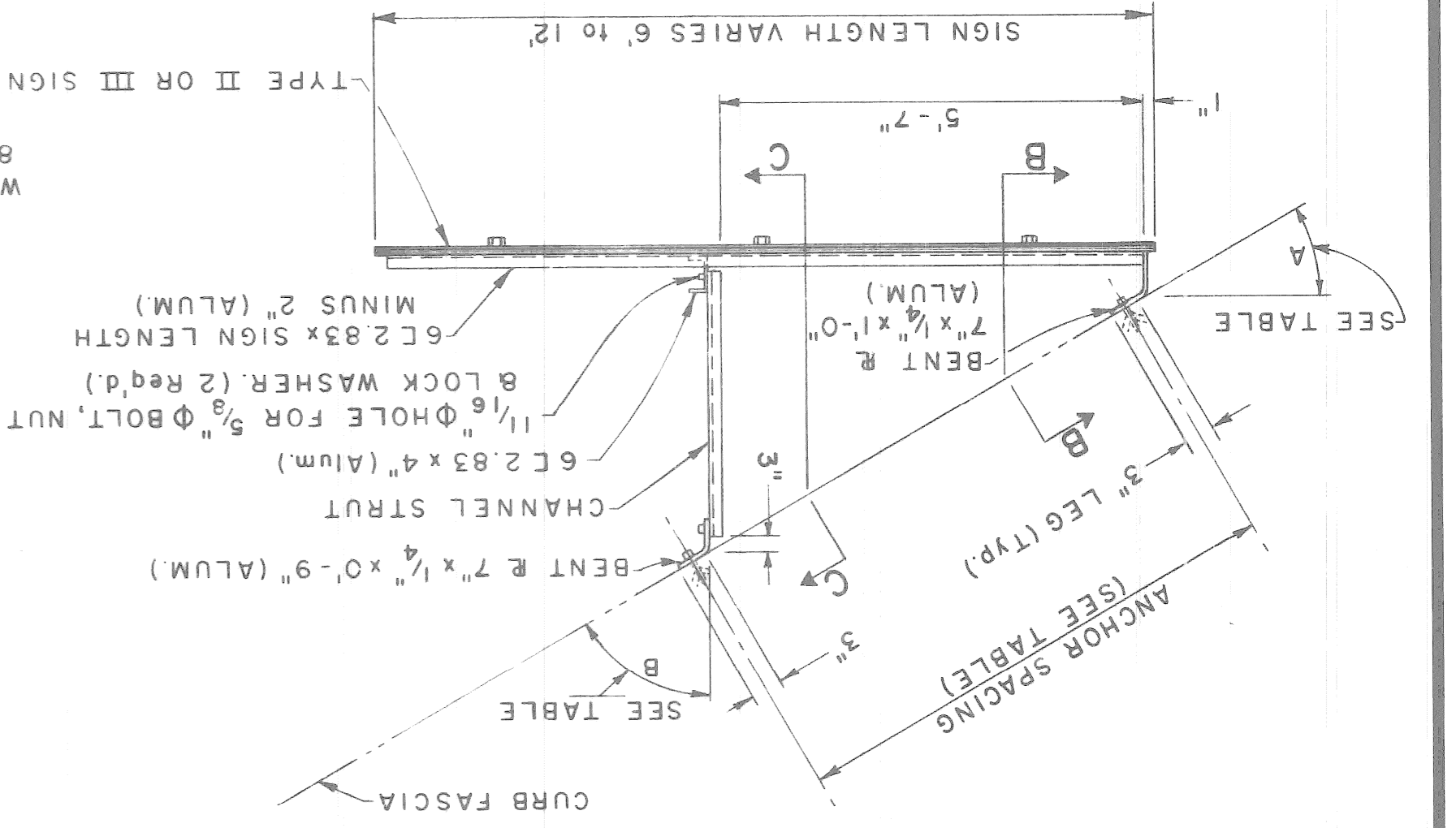
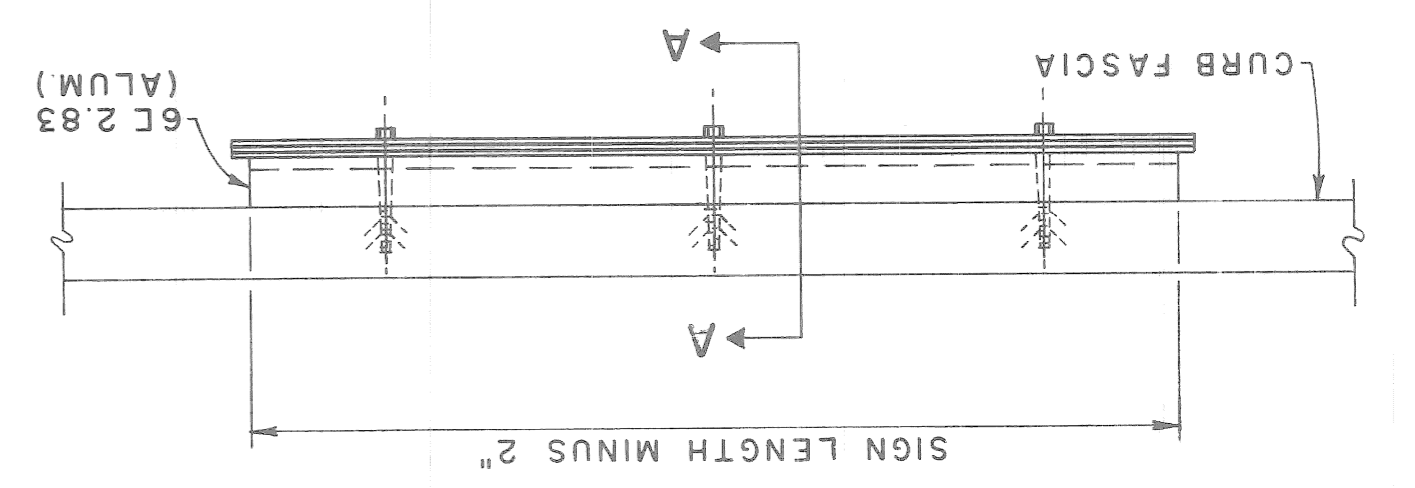
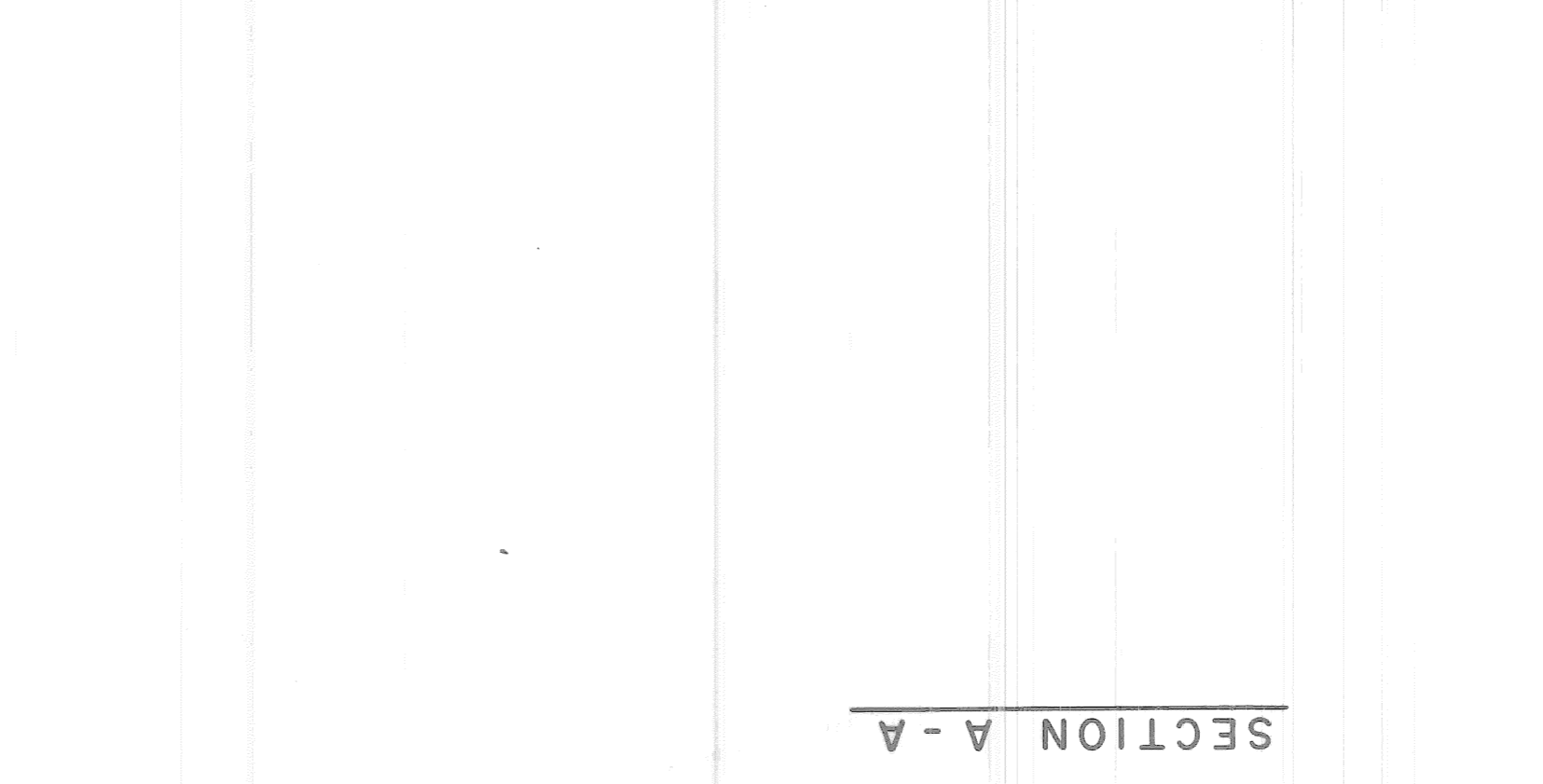
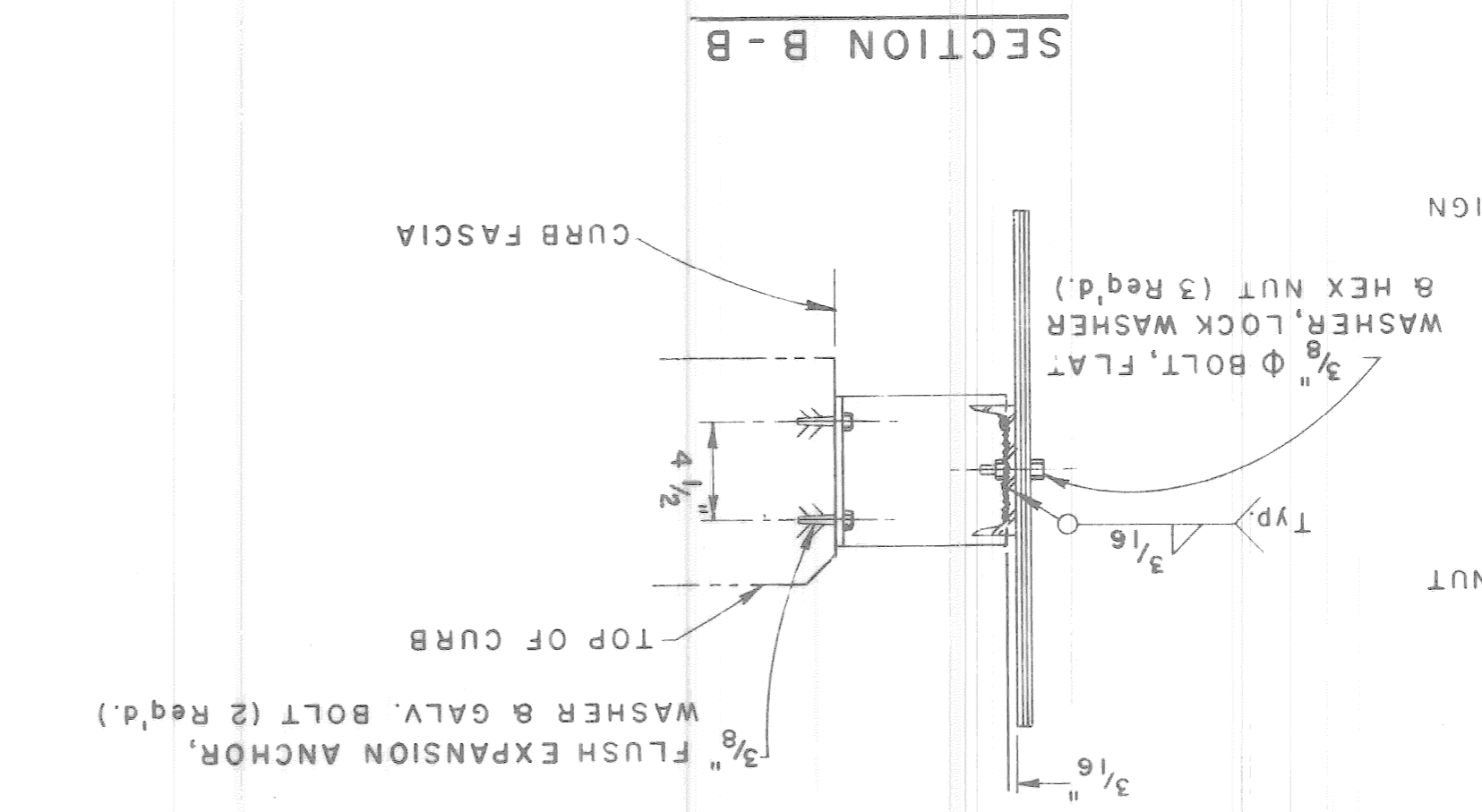
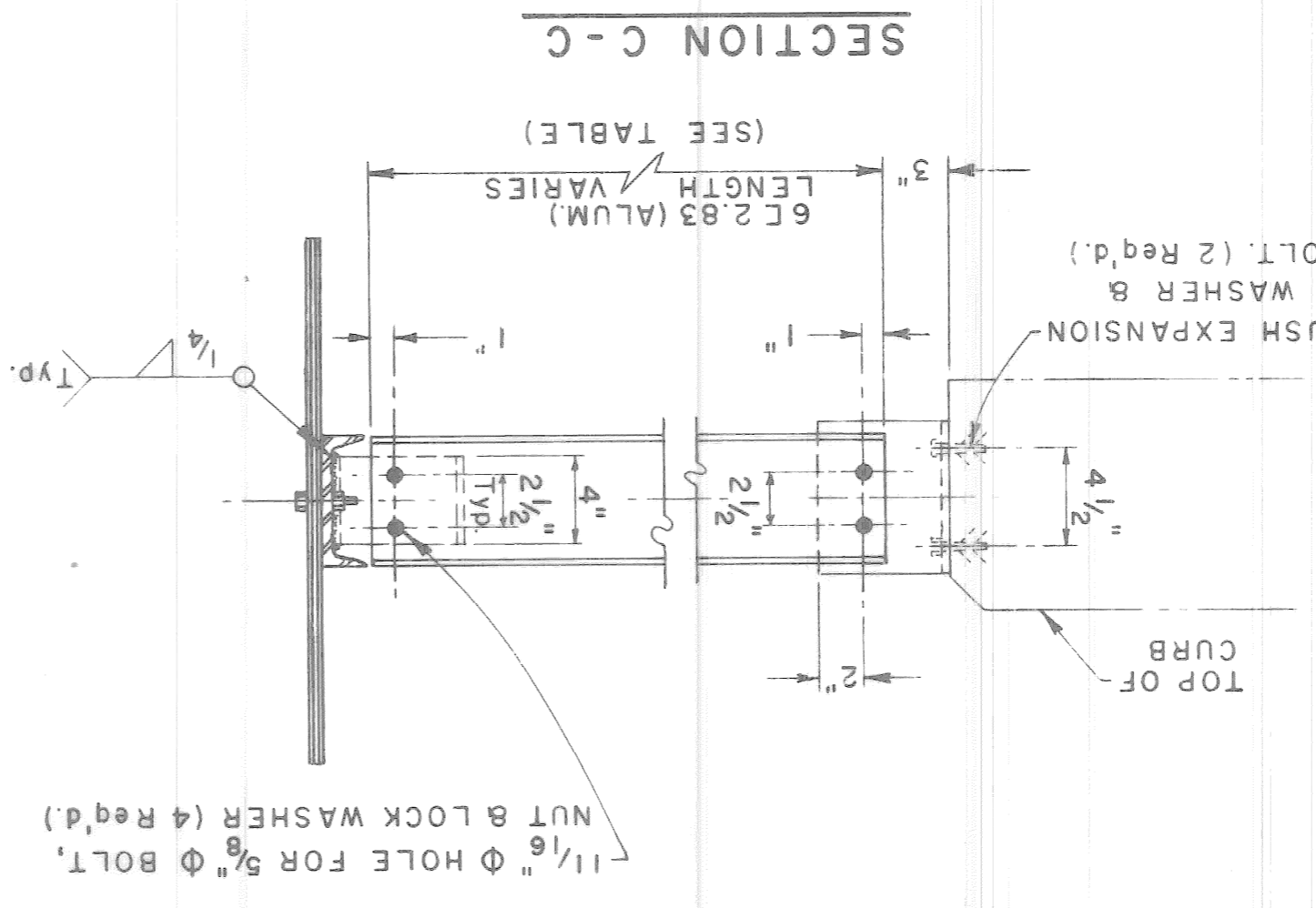
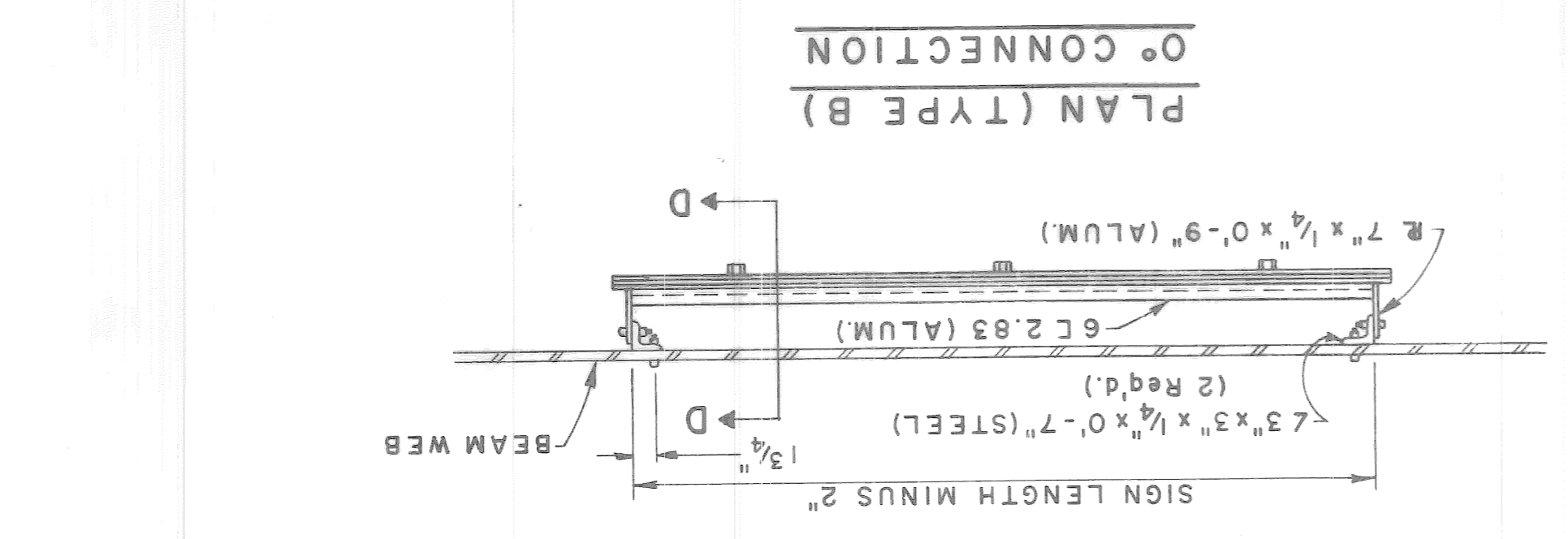
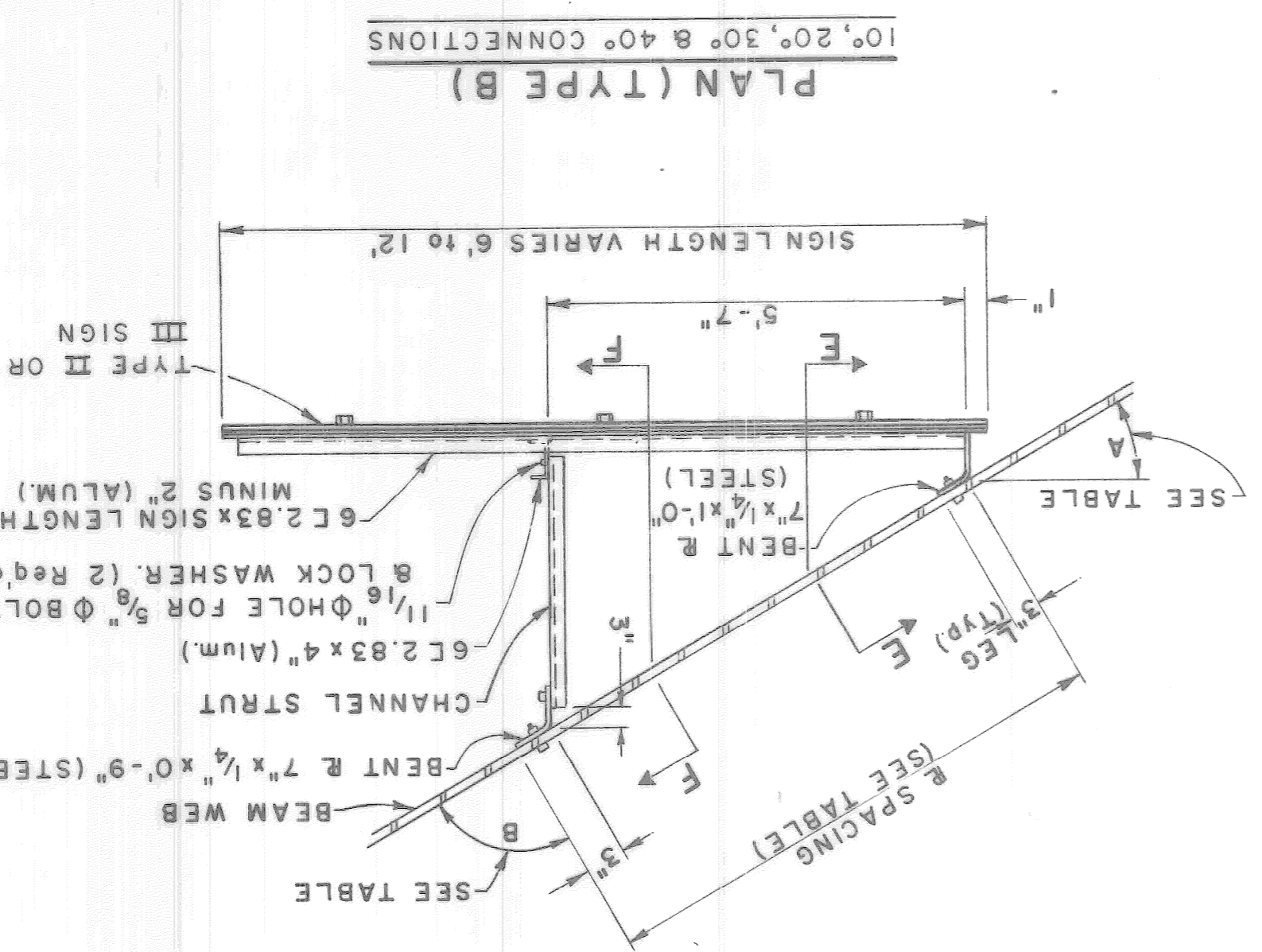
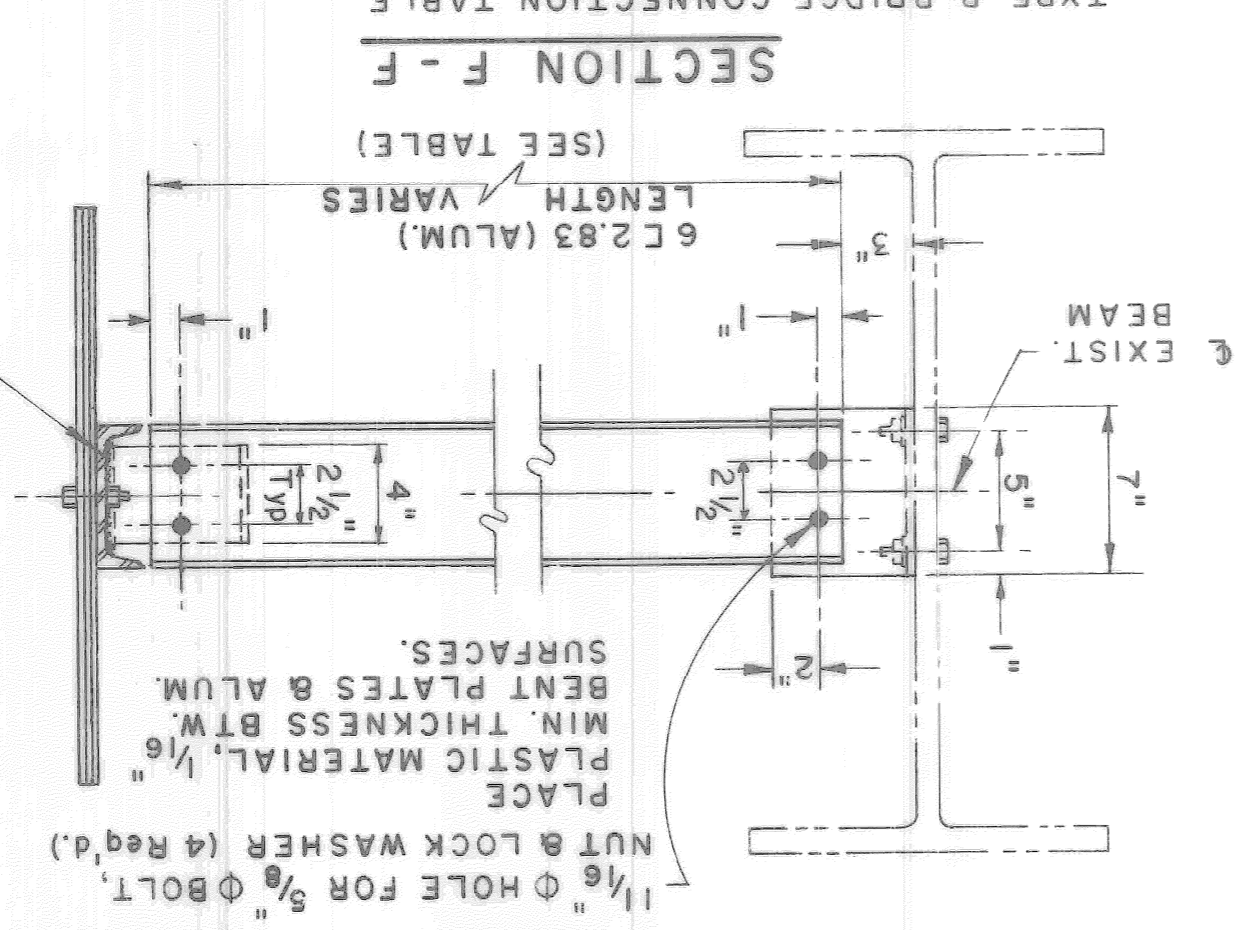
BRACKET OR SIGN TO CANTILEVER POLE



TYPE B BRIDGE CONNECTION

SKW (ANGLE A)	ANGLE B	CHANNEL STRUT	R SPACING
0°-10°	0°		
10°-20°	10°	6 C 2.83 x 1'-4 3/4"	5'-11"
20°-30°	20°	6 C 2'-5 1/4"	6'-2 1/2"
30°-40°	30°	6 C 3'-7 1/2"	6'-8 1/2"
40°-50°	40°	6 C 2.83 x 5'-1 1/4"	7'-6 1/2"

TYPE B BRIDGE CONNECTION TABLE



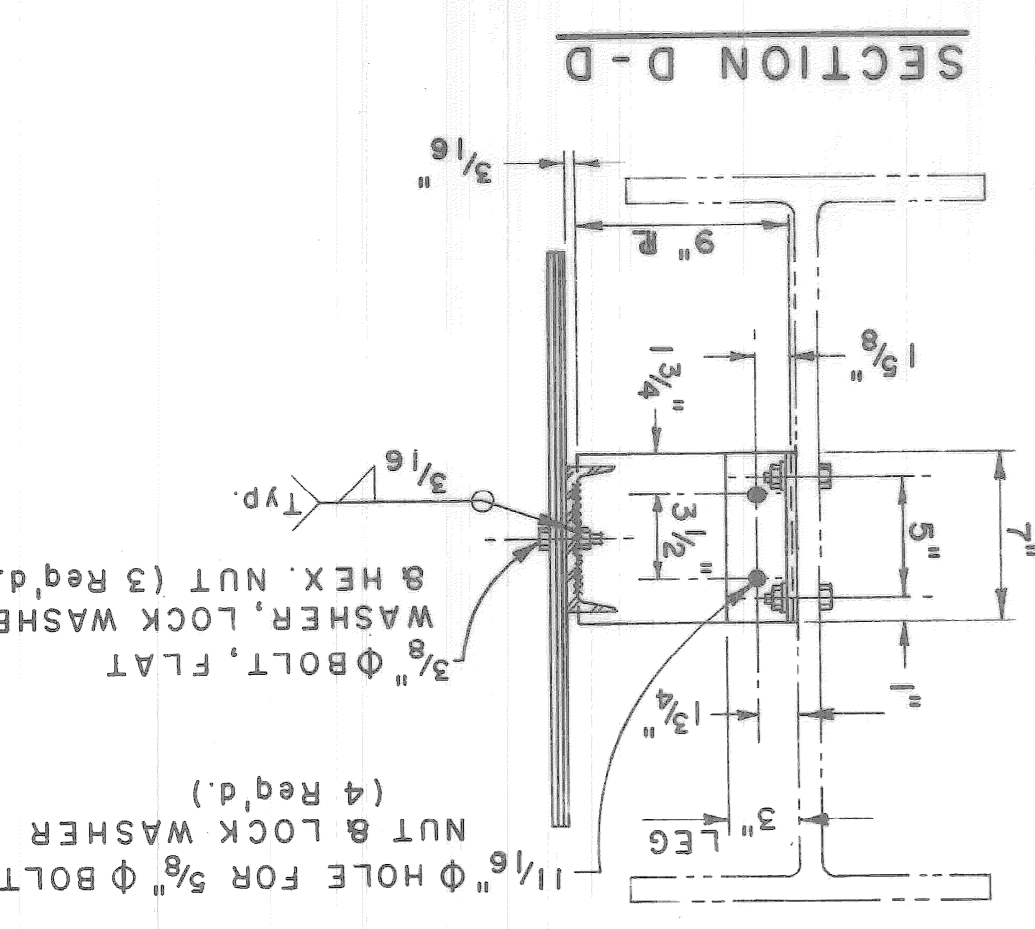
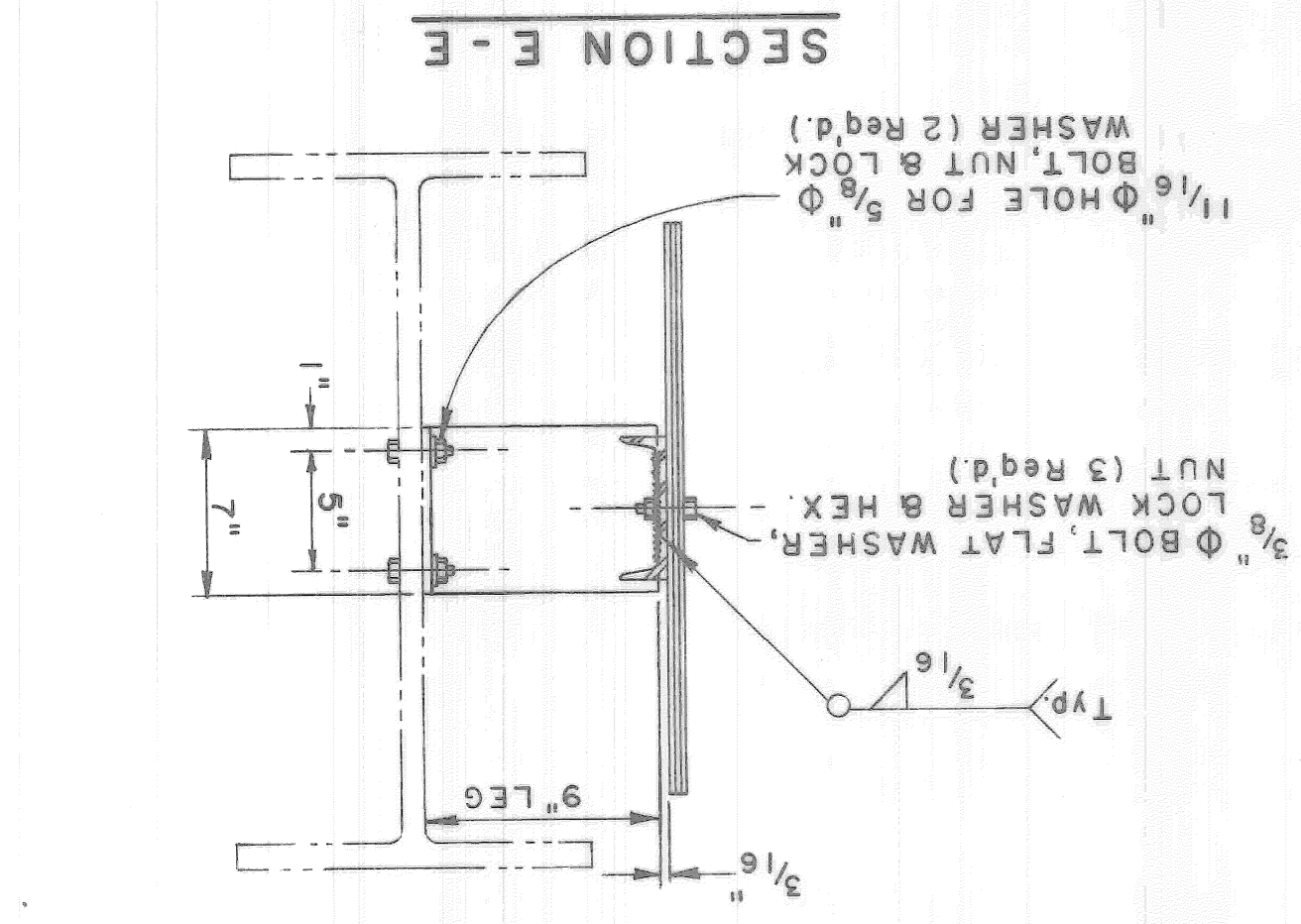
TYPE A BRIDGE CONNECTION TABLE

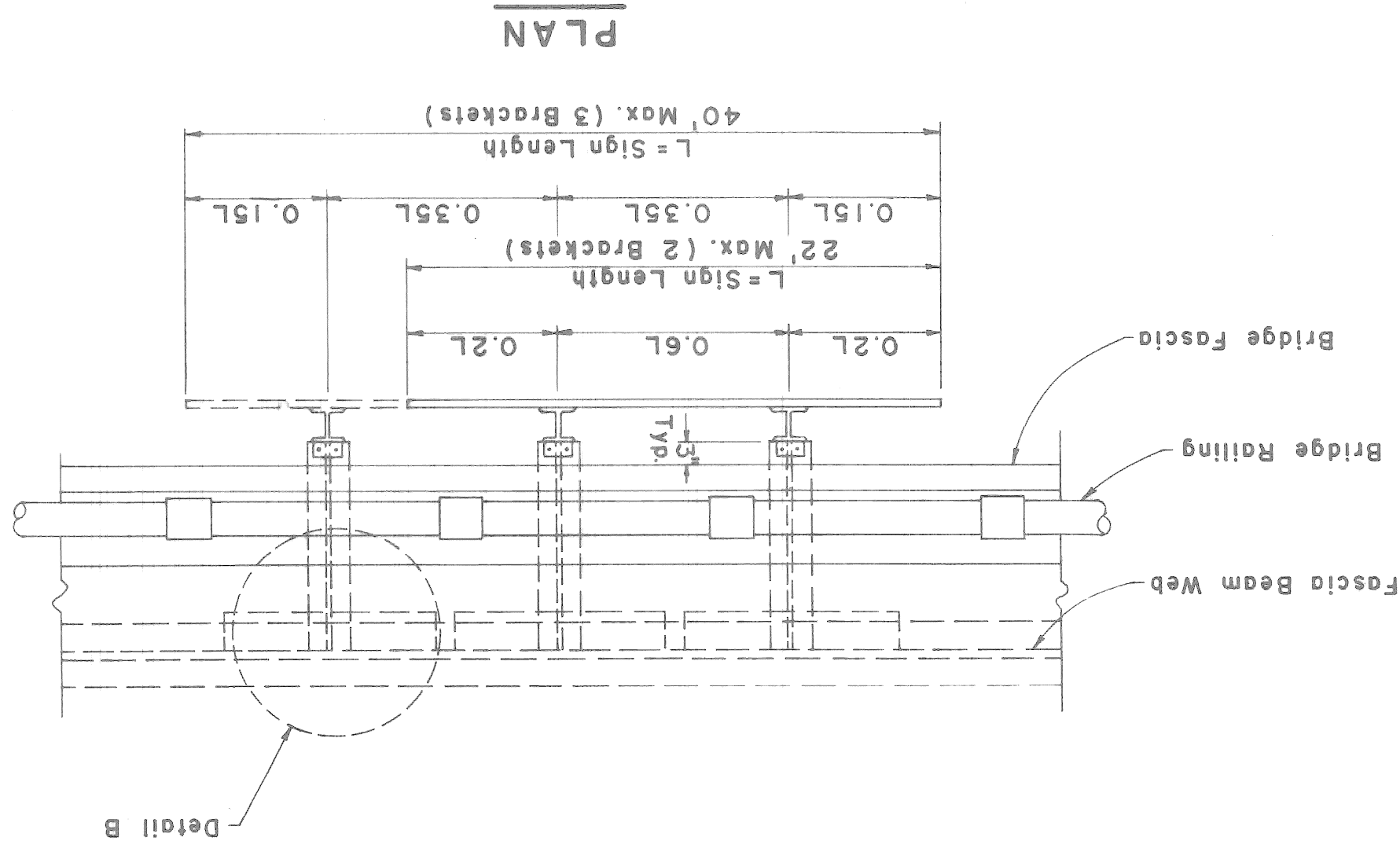
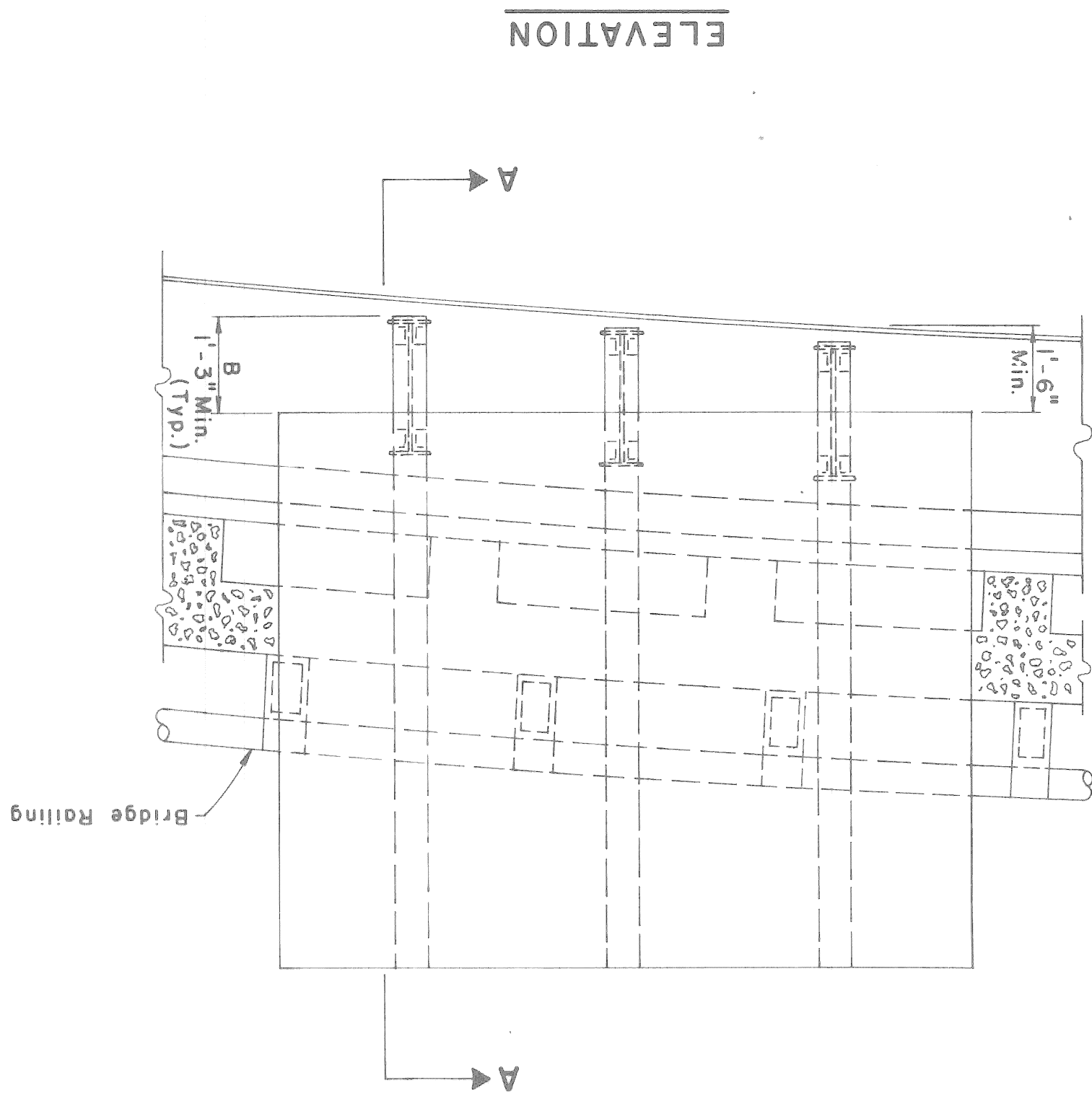
SKW (ANGLE A)	ANGLE B	CHANNEL STRUT	ANCHOR SPACING
0°-10°	0°		
10°-20°	10°	6 C 2.83 x 1'-4 3/4"	5'-6"
20°-30°	20°	6 C 2'-5 1/4"	5'-11 1/2"
30°-40°	30°	6 C 3'-7 1/2"	6'-5 1/2"
40°-50°	40°	6 C 2.83 x 5'-1 1/4"	7'-3 1/4"

TYPE A BRIDGE CONNECTION

TYPE B BRIDGE CONNECTION

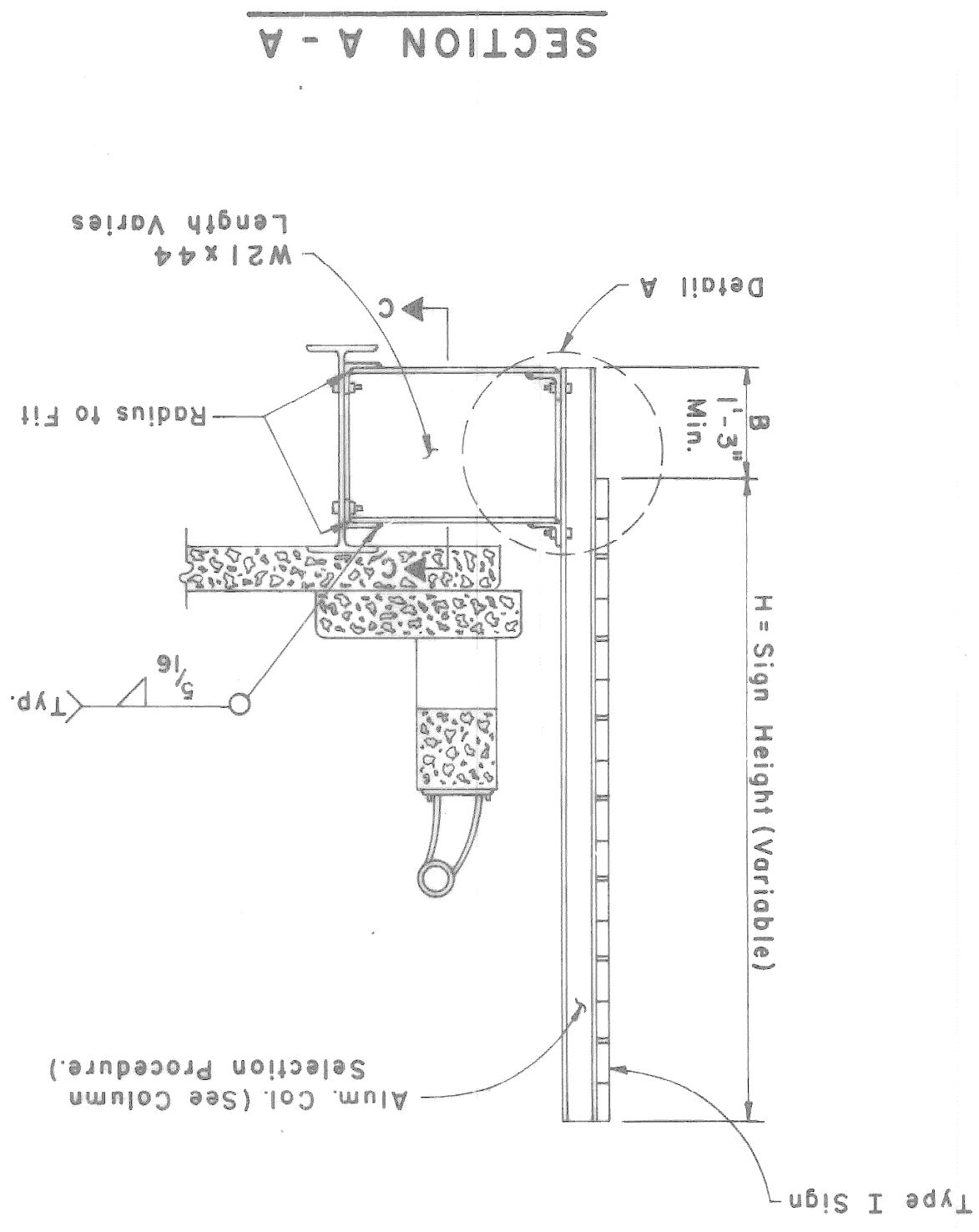
- NOTES:**
- 1.) All bolts, nuts and washers shall be galvanized steel. Nuts shall be tapped 0.015 oversize.
 - 2.) All aluminum components shall be 6061-T6 aluminum alloy. All steel components shall be A-36 and shall be hot dip galvanized according to ASTM A-123. A-588 steel components may be used as an alternate on existing A-588 fascia beams.
 - 3.) Sign location may be shifted to avoid joints or stiffeners. Threads on all bolts shall be burred after final torquing.
 - 4.) Bottom edge of sign shall be horizontal when erected and shall be a minimum of 1'-6" above the bridge beam flange at all points.



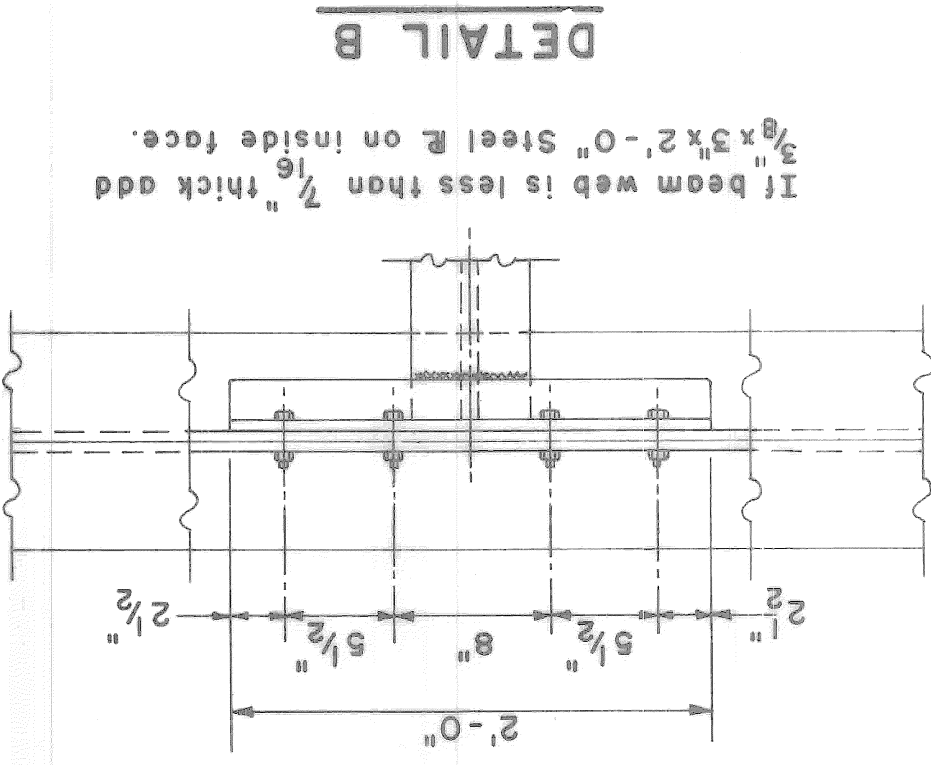
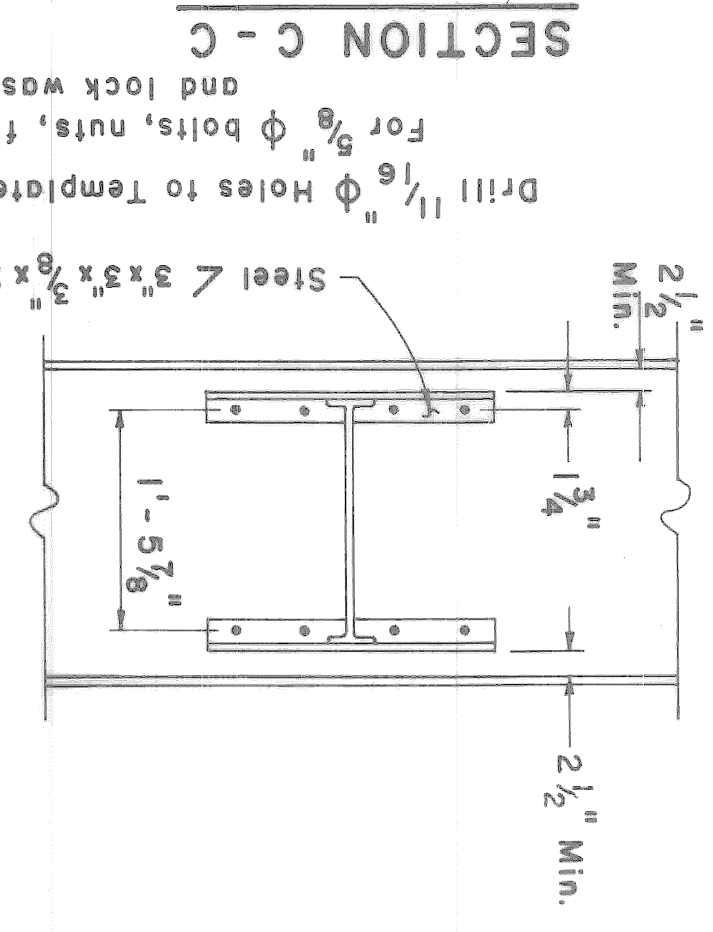
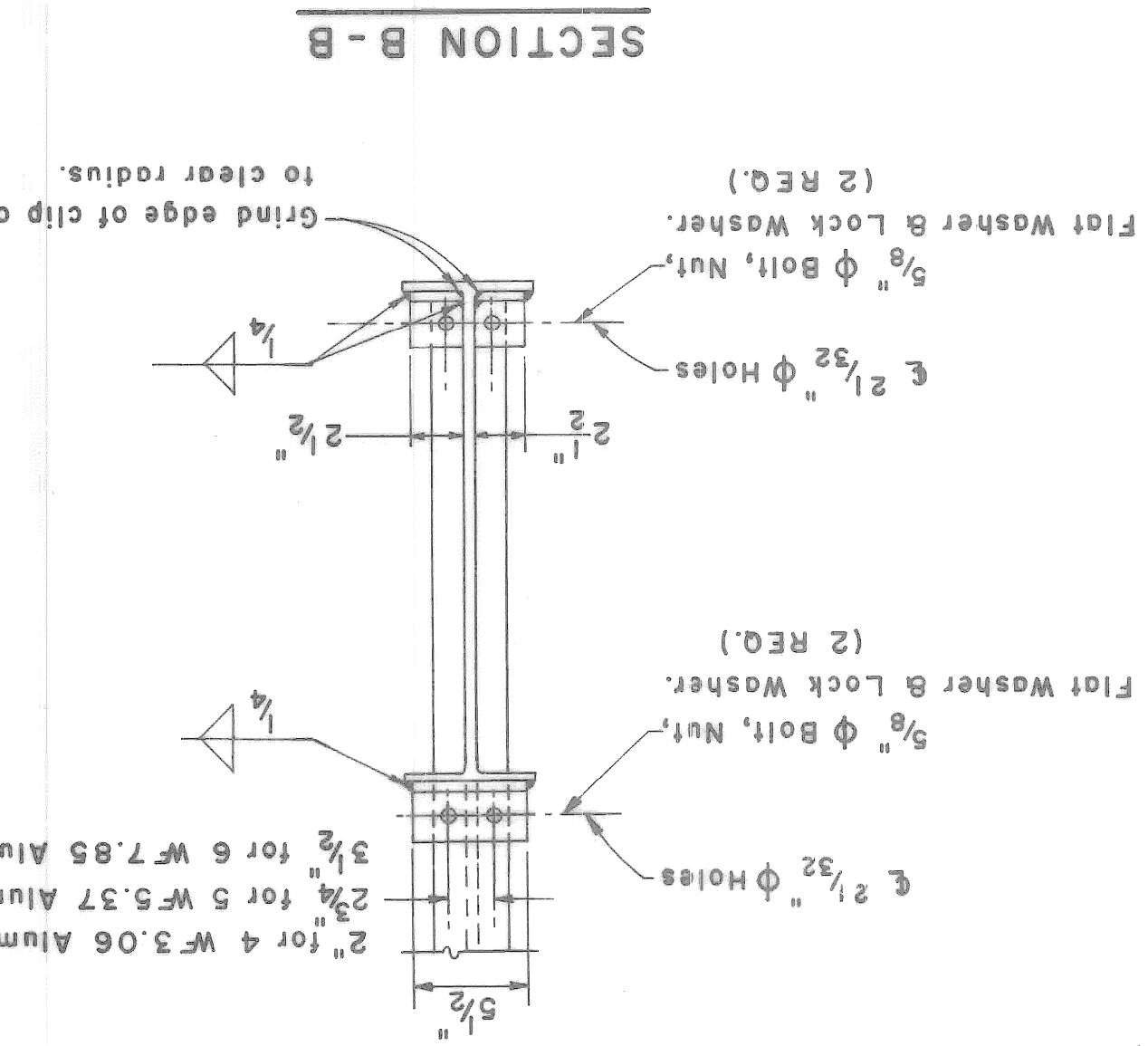
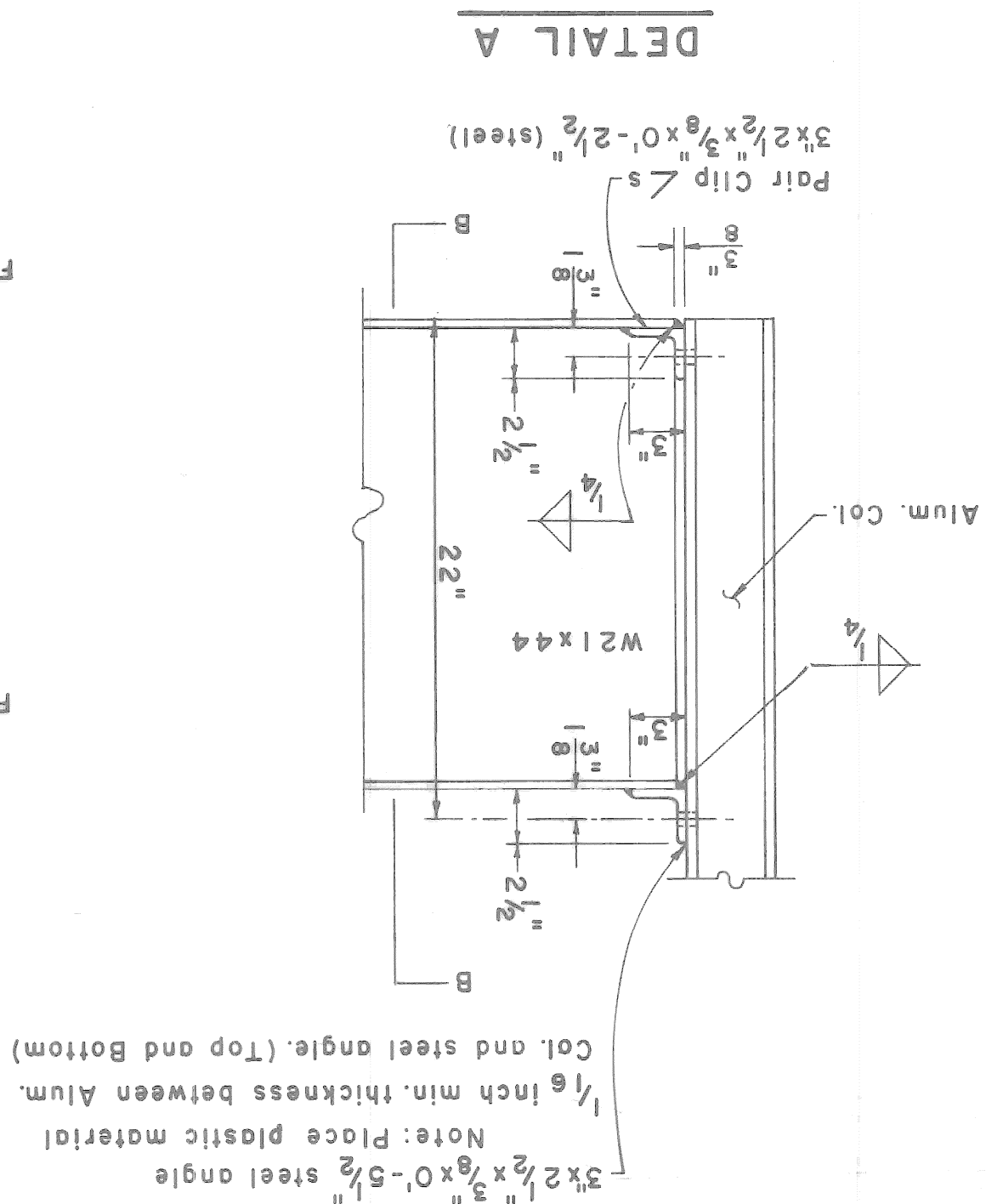


ELEVATION

PLAN



- COLUMN SELECTION PROCEDURE**
- Determine B using the longest required column.
 - $L_p = \frac{1}{2}$ of the distance between the top of the sign and the top clip angle bolt. $L_p = \frac{1}{2} [(H+B)-2.0]$ and the top clip angle bolt. $L_p = \frac{1}{2} [(H+B)-2.0]$
 - Determine the sign area. (Sq. ft.)
 - Using the chart determine the size and number of columns required.



MICHIGAN DEPARTMENT OF STATE HIGHWAYS
BOLTED BRIDGE CONNECTION
AND TRANSPORTATION
TYPES C & D ($\phi = 0^\circ$)

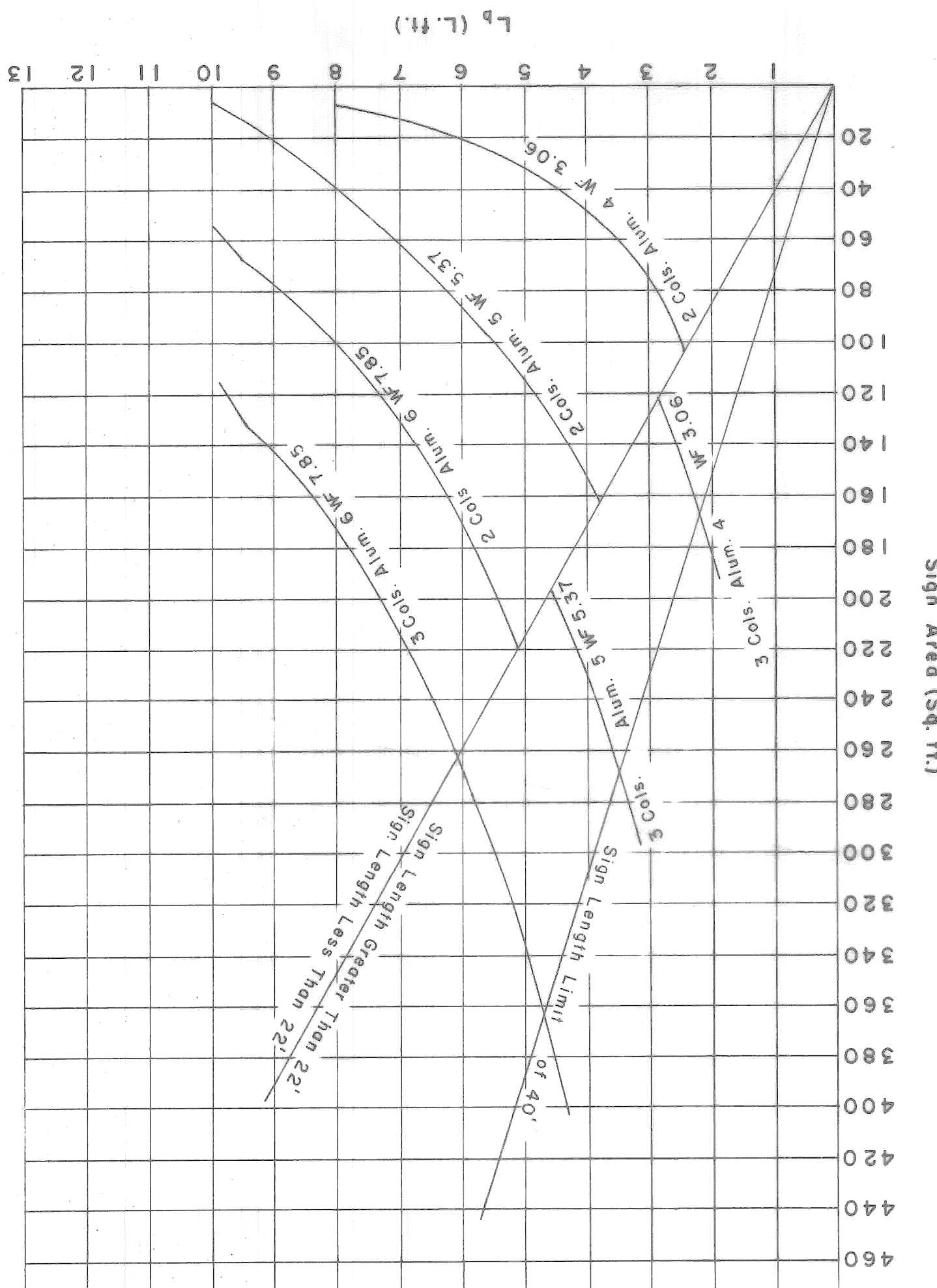
NO.	REVISIONS
1	Notes Revised 4/76 JDB
2	Added Flat Washers to Drawg. 4/77 WCG

DATE	BY
4/76	JDB
4/77	WCG

DESIGNED BY	W.C.G.
CHECKED BY	
THAWED BY	
DRAWN BY	
SCALE	

10.60

- NOTES:**
- All bolts shall be galvanized high strength bolts (ASTM A325). All bolts, nuts and washers shall be hot dip galvanized according to ASTM A-153. Nuts shall be topped O.D.15 oversize.
 - All alum. components shall be 6061-T6 alum. alloy. All steel components shall be A-36 and shall be hot-dip galvanized according to ASTM A-123. A-568 steel components may be used as an alternate on existing A-568 fascia beams.
 - Sign location may be shifted to avoid joints or stiffeners.
 - Threads on all bolts shall be burred after final torquing.
 - Minimum of 1'-6" above the lower bridge beam flange at all points.
 - Type C connection denotes a two-bracket sign connection.
 - Type D connection denotes a three-bracket sign connection.
 - Sign connections to mounting support columns shall have the same bolt arrangement as shown for connections for sign to mounting supports for cantilevers and trusses. (Standard Plan S 9.10.)

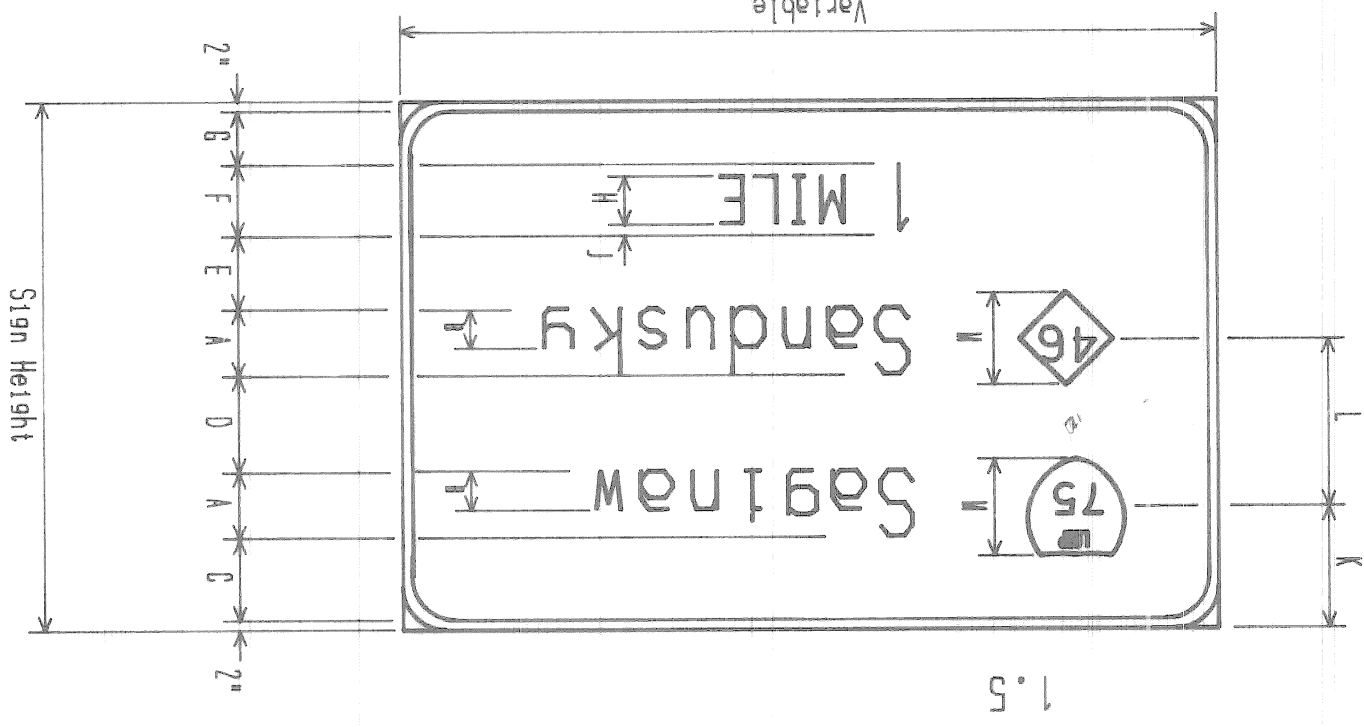


SIGN DETAIL SHEET

F.R.N. STATE	ROUTE	COUNTY	CONTROL SECTION	JOB NO.
FED. PROJECT	STATE	ROUTE	SECTION	NO.
R.O.N. SHEET TOTAL	NO.	SHEET	NO.	SHEETS

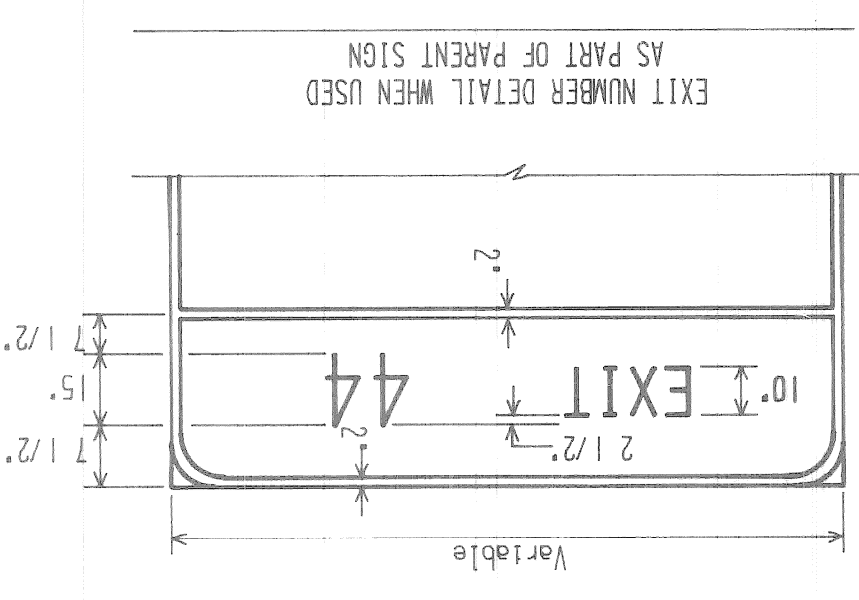
E1-1 SIGNS

PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	15	11	10	2.5	10	36	9'-6"	11'-0"	11'-0"	36	11'-0"	
II	20	15	15	18	13	12	3.0	10	48	11'-6"	11'-0"	36	11'-0"		
III	24	18	18	24	18	14	3.0	10	72	12'-0"	11'-0"	36	12'-0"		
IV	30	24	24	33	24	18	3.0	10	108	15'-0"	11'-0"	36	15'-0"		



PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	19	15	10	2.5	29	43	36	10'-6"	11'-6"	36	10'-6"	
II	20	15	15	24	18	12	3.0	30	48	36	11'-6"	11'-6"	36	11'-6"	
III	24	18	18	30	24	18	3.0	30	72	48	12'-6"	11'-6"	36	12'-6"	
IV	30	24	24	36	30	24	3.0	30	108	72	15'-6"	11'-6"	36	15'-6"	

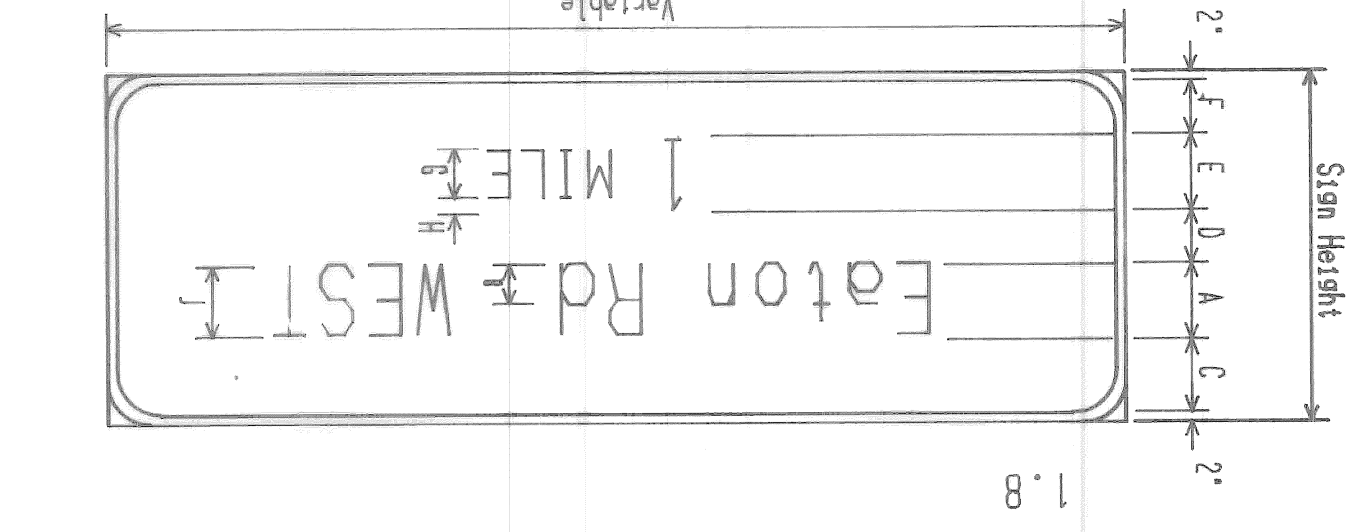
PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	15	11.5	10	2.5	15	10	10	11'-6"	11'-6"	36	10'-6"	
II	20	15	15	18	14.5	12	3.0	18	18	18	13'-0"	13'-0"	36	13'-0"	
III	24	18	18	24	18	17	3.0	18	24	18	15'-0"	15'-0"	36	15'-0"	
IV	30	24	24	30	24	17	3.0	18	30	24	18'-0"	18'-0"	36	18'-0"	



EXIT NUMBER DETAIL WHEN USED
AS PART OF PARENT SIGN

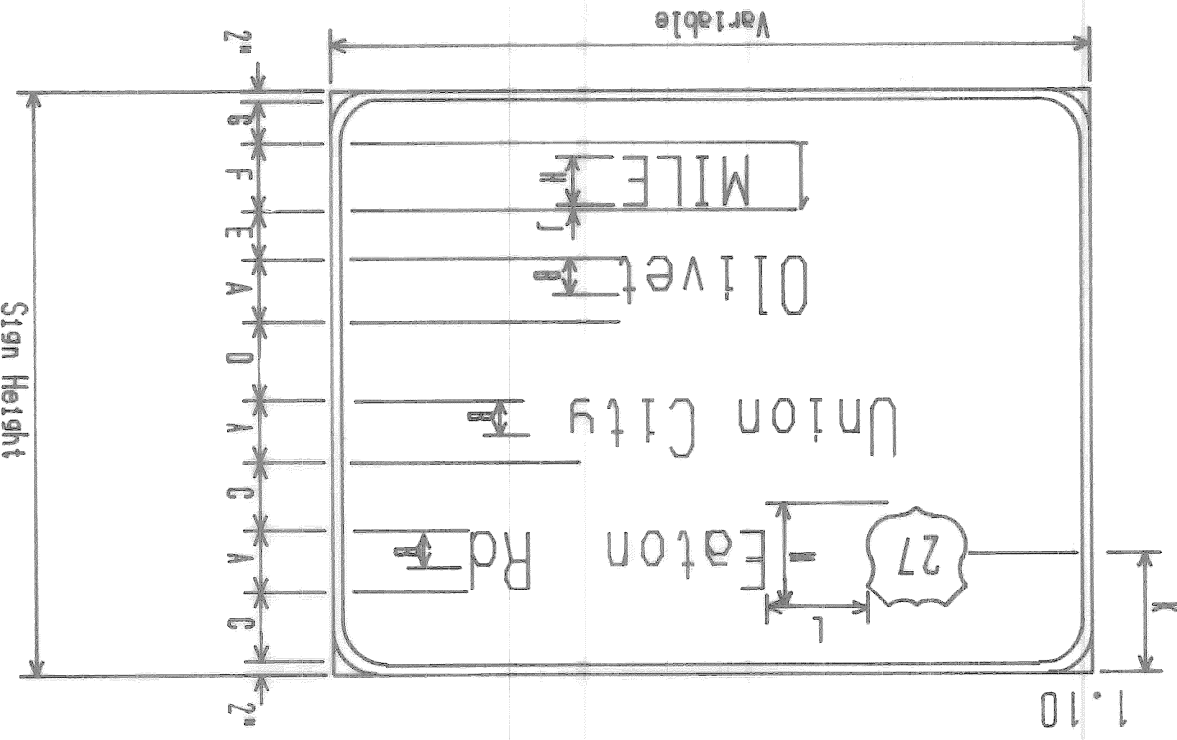
E1-1 SIGNS

PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	13	13	10	2.5	15	19	10	9'-6"	9'-6"	36	8'-6"	
II	20	15	15	14	14	12	3.0	18	18	10	10'-0"	10'-0"	36	9'-6"	
III	24	18	18	17	17	12	3.0	18	18	10	11'-6"	11'-6"	36	10'-0"	
IV	30	24	24	17	17	10	3.0	18	18	10	14'-0"	11'-6"	36	13'-0"	



PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	15	12.5	10	2.5	15	15	10	7'-8"	7'-8"	36	7'-8"	
II	20	15	15	18	16.5	12	3.0	18	18	10	8'-8"	8'-8"	36	8'-8"	
III	24	18	18	24	19.5	12	3.0	18	18	10	9'-8"	9'-8"	36	9'-8"	
IV	30	24	24	30	27	12	3.0	18	18	10	11'-8"	11'-8"	36	11'-8"	

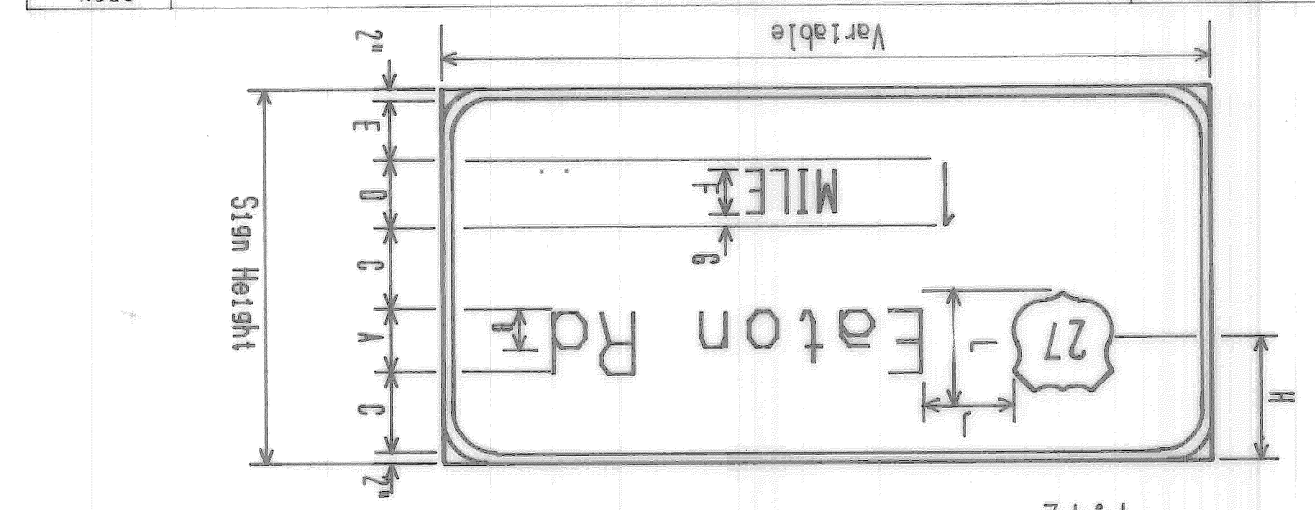
PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	13	13	10	2.5	15	13	10	9'-6"	9'-6"	36	8'-6"	
II	20	15	15	14	14	12	3.0	18	14	12	10'-0"	10'-0"	36	9'-6"	
III	24	18	18	17	17	12	3.0	18	14	12	11'-6"	11'-6"	36	10'-0"	
IV	30	24	24	17	17	10	3.0	18	14	12	14'-0"	11'-6"	36	13'-0"	



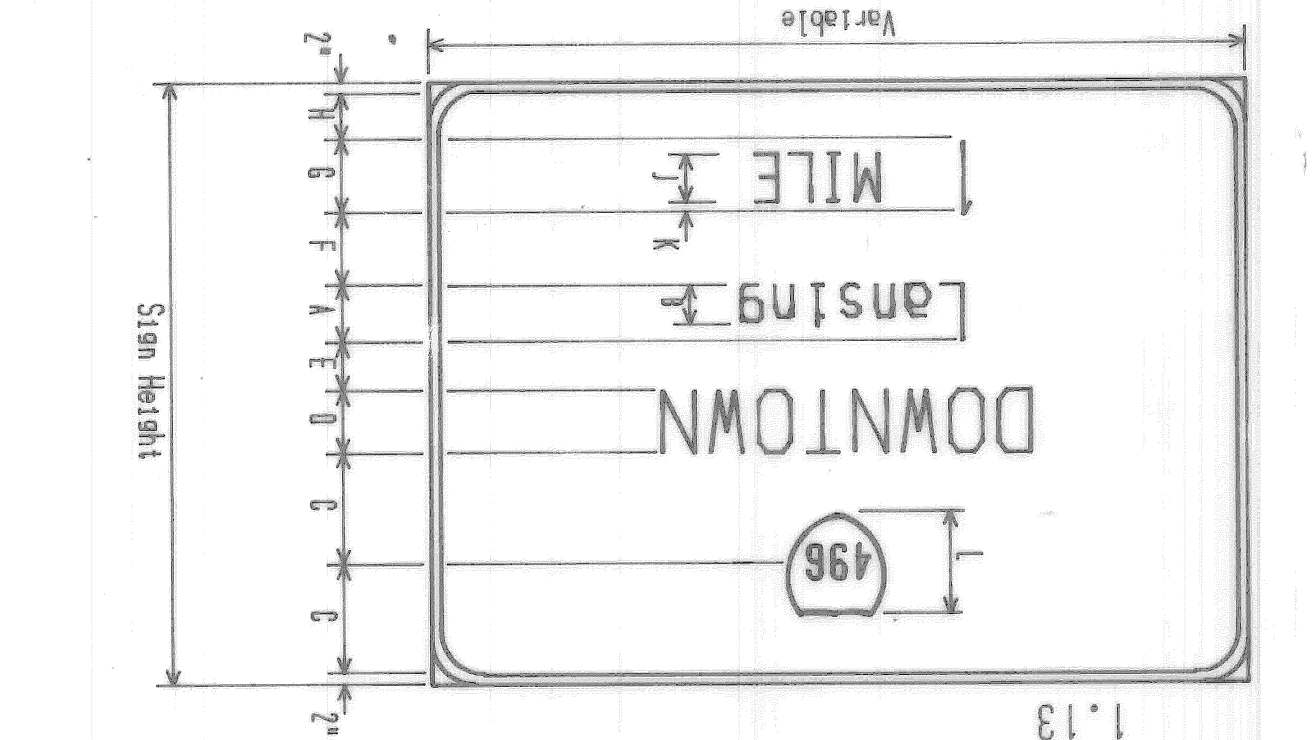
PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	11	10	10	2.5	29	12	12	11'-6"	11'-6"	36	11'-6"	
II	20	15	15	15	15	12	3.0	34	15	12	14'-0"	14'-0"	36	13'-0"	
III	24	18	18	18	17	12	3.0	38	18	10	16'-0"	16'-0"	36	15'-0"	
IV	30	24	24	18	17	10	3.0	38	18	10	19'-0"	18'-0"	36	18'-0"	

E1-1 SIGNS

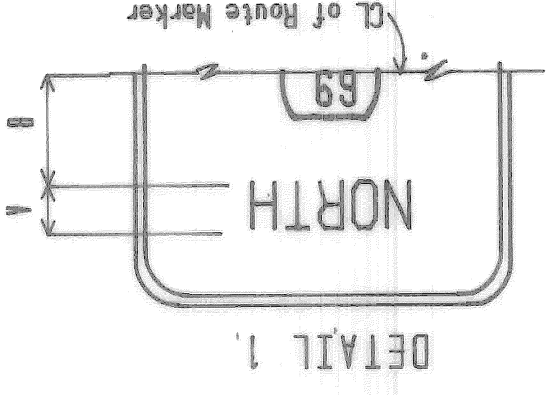
PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	20	12	15	2.5	30	12	96	7'-0"	7'-0"	36	9'-6"	
II	20	15	15	25	18	15	3.0	32	15	96	8'-6"	8'-6"	36	9'-6"	
III	24	18	18	28	22	18	3.0	35	18	96	9'-6"	9'-6"	36	9'-6"	
IV	30	24	24	32	28	22	3.0	38	22	10	10	90	90	9'-6"	



PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	9	10	2.5	30	12	96	7'-0"	7'-0"	36	7'-0"		
II	20	15	15	12	12	3.0	32	15	96	8'-6"	8'-6"	36	8'-6"		
III	24	18	18	18	18	12	3.0	35	18	96	9'-6"	9'-6"	36	9'-6"	
IV	30	24	24	22	22	12	3.0	38	22	10	10	90	90	9'-6"	



PANEL	LEGEND SIZE		DIMENSION (INCHES)												SIGN HEIGHT
	A	B	C	D	E	F	G	H	J	K	L	M	N		
I	16	12	12	15	12	12	2.5	36	11	10	11'-6"	11'-6"	36	11'-6"	
II	20	15	15	18	15	12	3.0	38	14	10	14'-0"	14'-0"	36	14'-0"	
III	24	18	18	20	18	12	3.0	40	18	10	16'-0"	16'-0"	36	16'-0"	
IV	30	24	24	24	24	12	3.0	42	24	10	18'-0"	18'-0"	36	18'-0"	



DETAIL 1

Where cardinal direction is placed above route marker, it shall be positioned as shown with sign height increased 18" for PANEL I & IV & 24" for PANEL II & III.

PANEL	LEGEND SIZE		DIMENSION (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	M	N	
I	16	12	12	12	12	10	2.5	29	12	12	11'-6"	11'-6"	36	11'-6"
II	20	15	15	15	15	12	3.0	34	15	12	14'-0"	14'-0"	36	14'-0"
III	24	18	18	18	17	12	3.0	38	18	10	16'-0"	16'-0"	36	16'-0"
IV	30	24	24	18	17	10	3.0	38	18	10	19'-0"	18'-0"	36	18'-0"



DETAIL 2

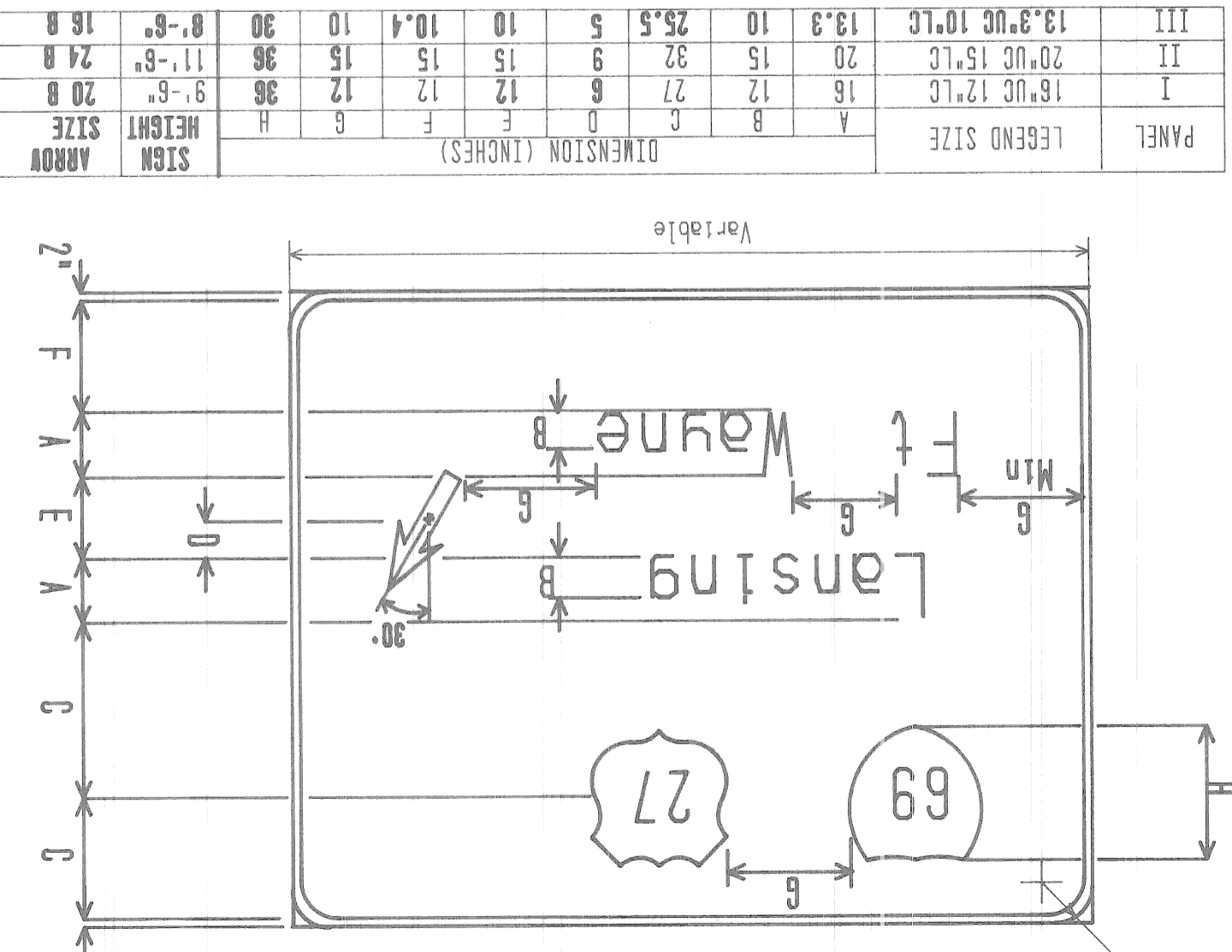
PANEL	LEGEND SIZE		DIMENSION (INCHES)											
	A	B	C	D	E	F	G	H	J	K	L	M	N	
I	16	12	12	15	12	12	2.5	36	11	10	11'-6"	11'-6"	36	11'-6"
II	20	15	15	18	15	12	3.0	38	14	10	14'-0"	14'-0"	36	14'-0"
III	24	18	18	20	18	12	3.0	40	18	10	16'-0"	16'-0"	36	16'-0"
IV	30	24	24	24	24	12	3.0	42	24	10	18'-0"	18'-0"	36	18'-0"

NOTE: All lines of legends are to be optically centered.

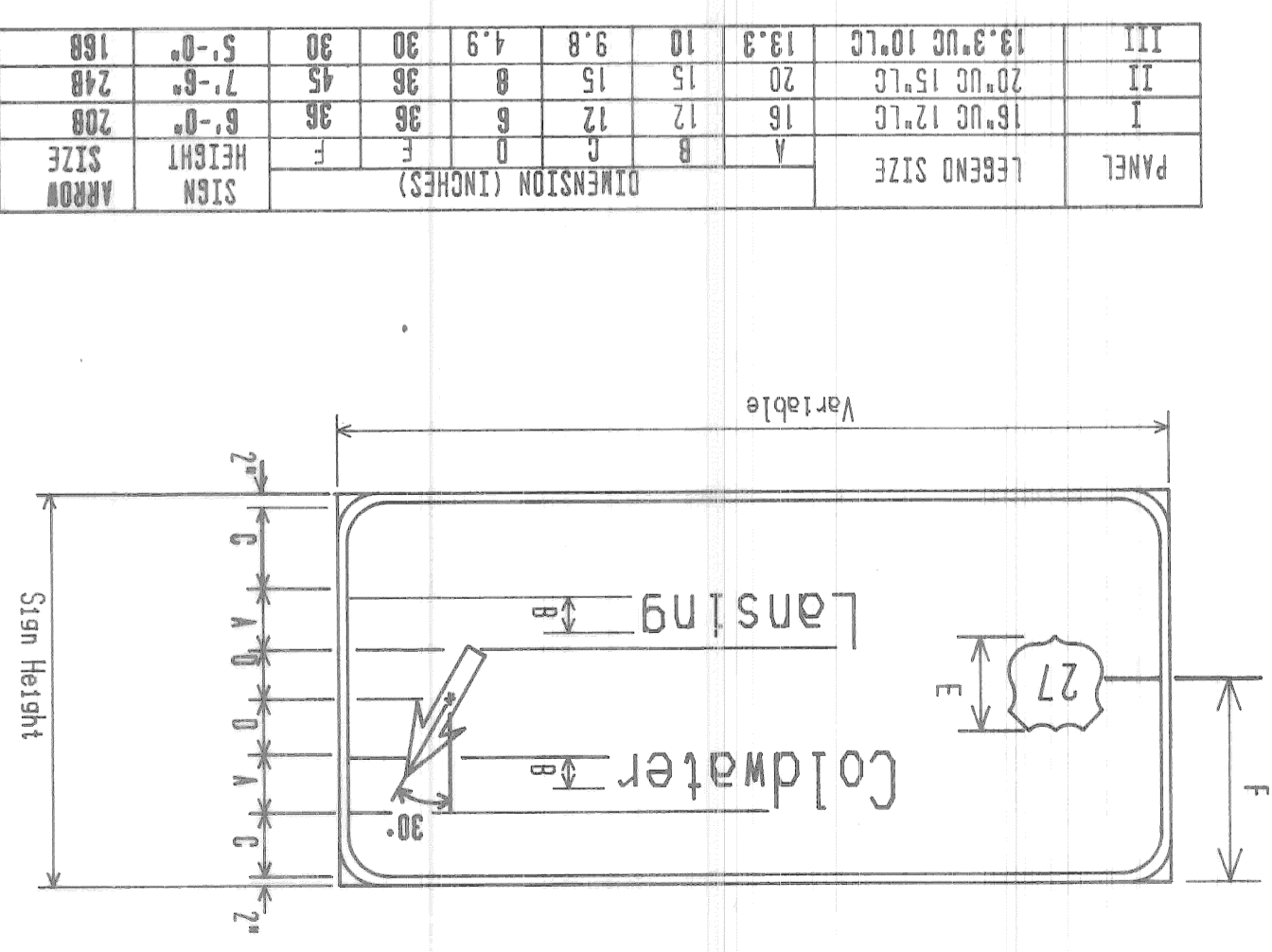
SECTION	82111	NO.	16563A
CONTROL		FEDERAL PROJECT	
R.O.N. SHEET	119		

SIGN DETAIL SHEET

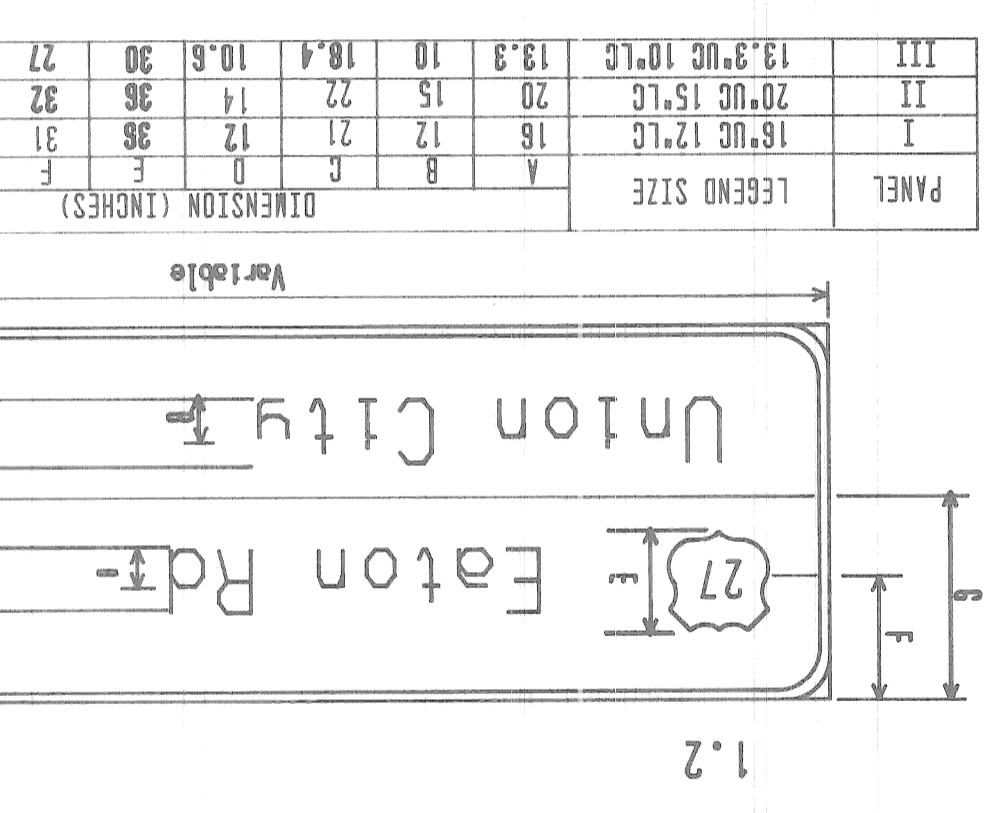
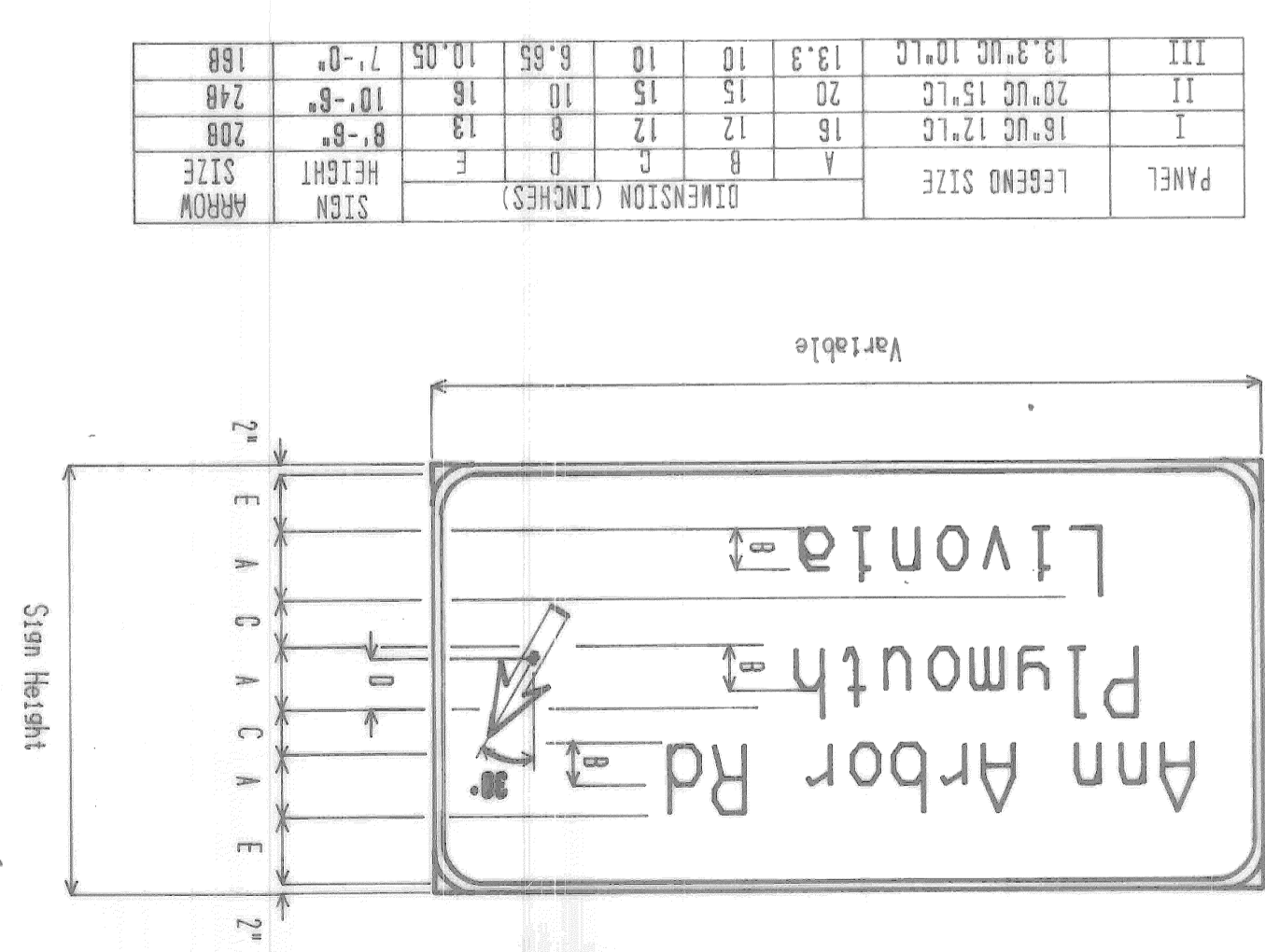
EG-1 SIGNS



EG-1 SIGNS

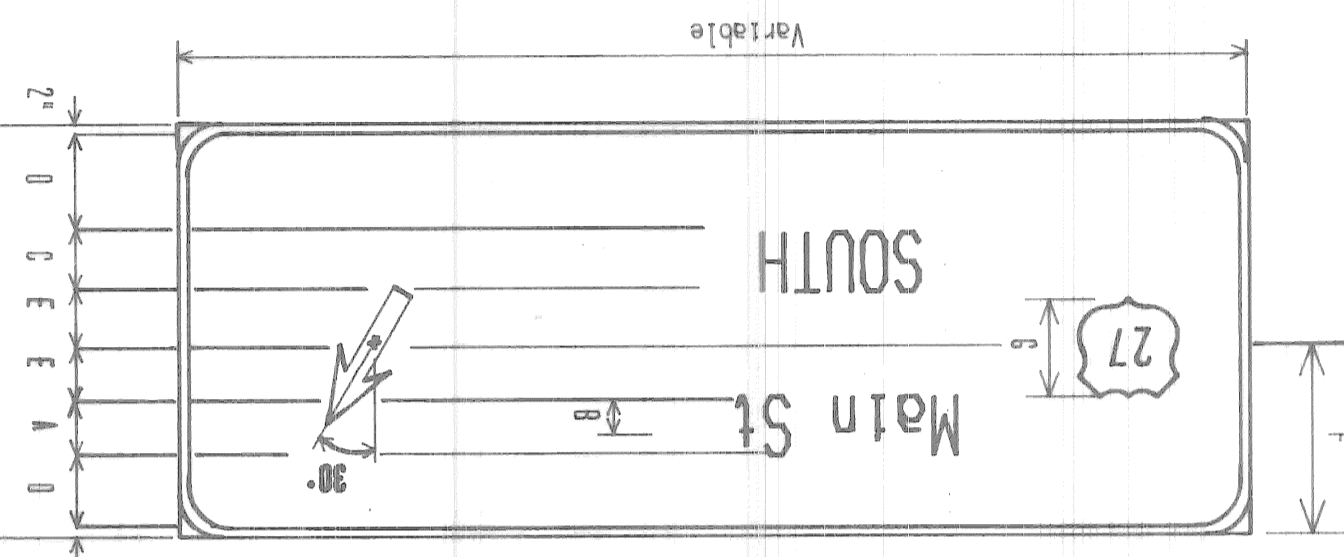


EG-1 SIGNS

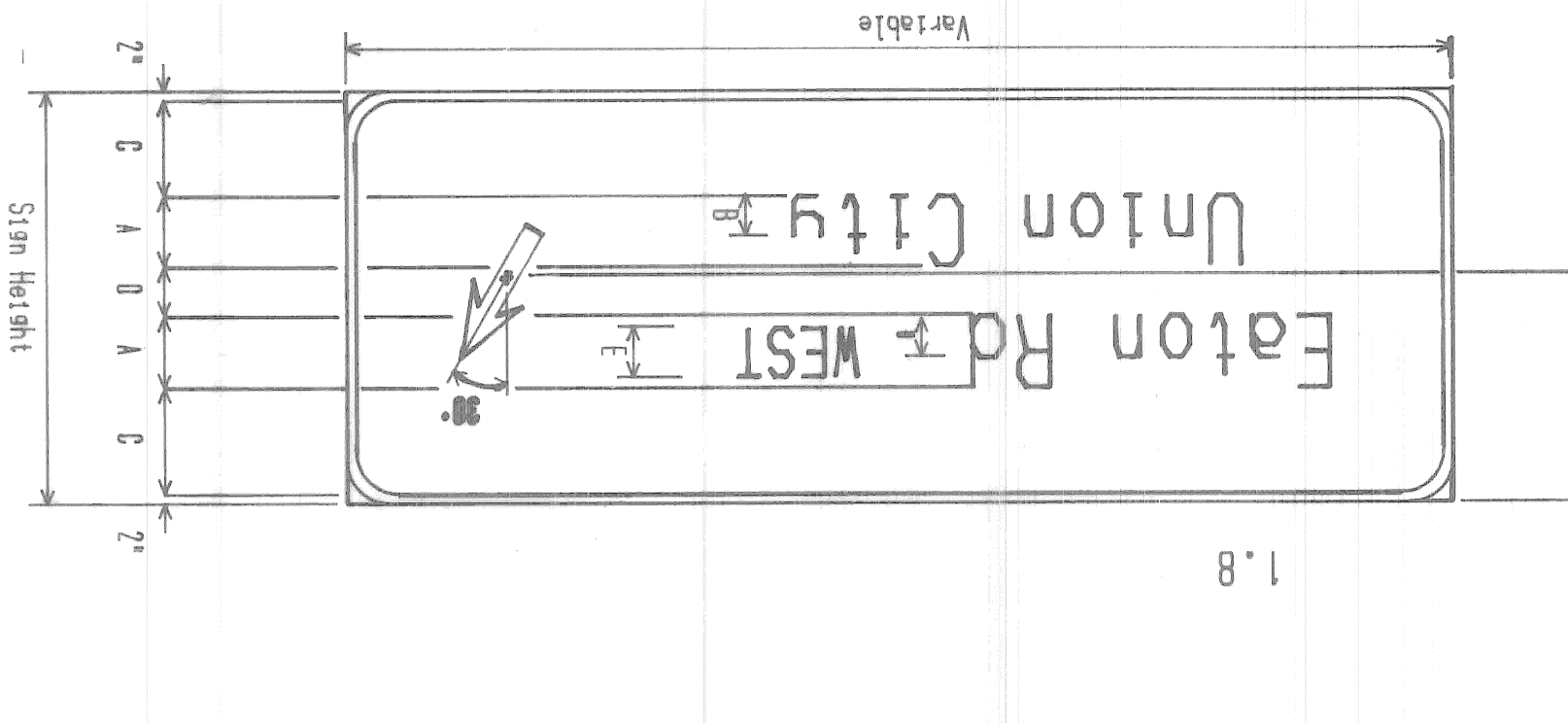


PANEL	LEGEND SIZE	A	B	C	D	E	F	H
I	16"UC 12"LC	16	12	12	6	12	12	36
II	18"UC 15"LC	18	15	15	9	15	15	36
III	19.3"UC 10"LC	19.3	10	10.4	10	10.4	10	30

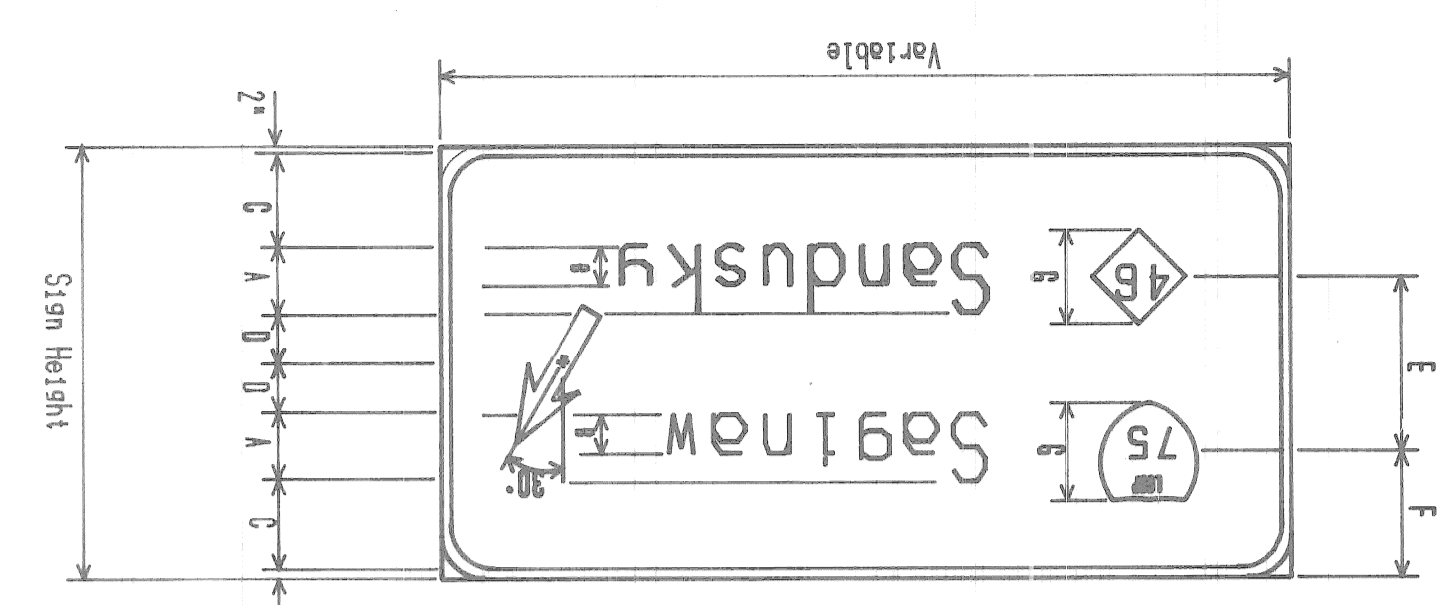
1.7



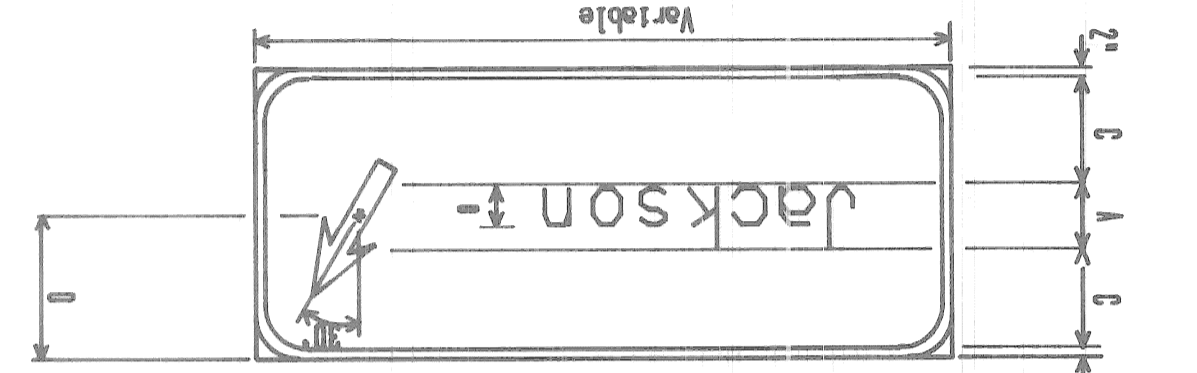
1.8



1.4

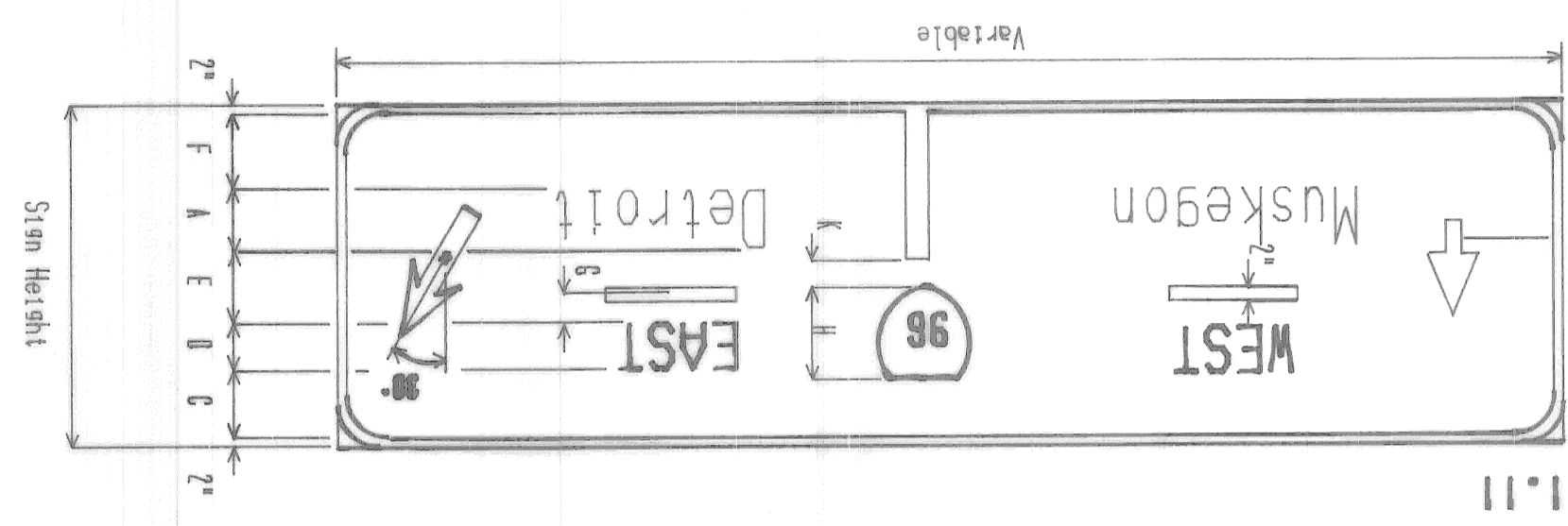


1.3

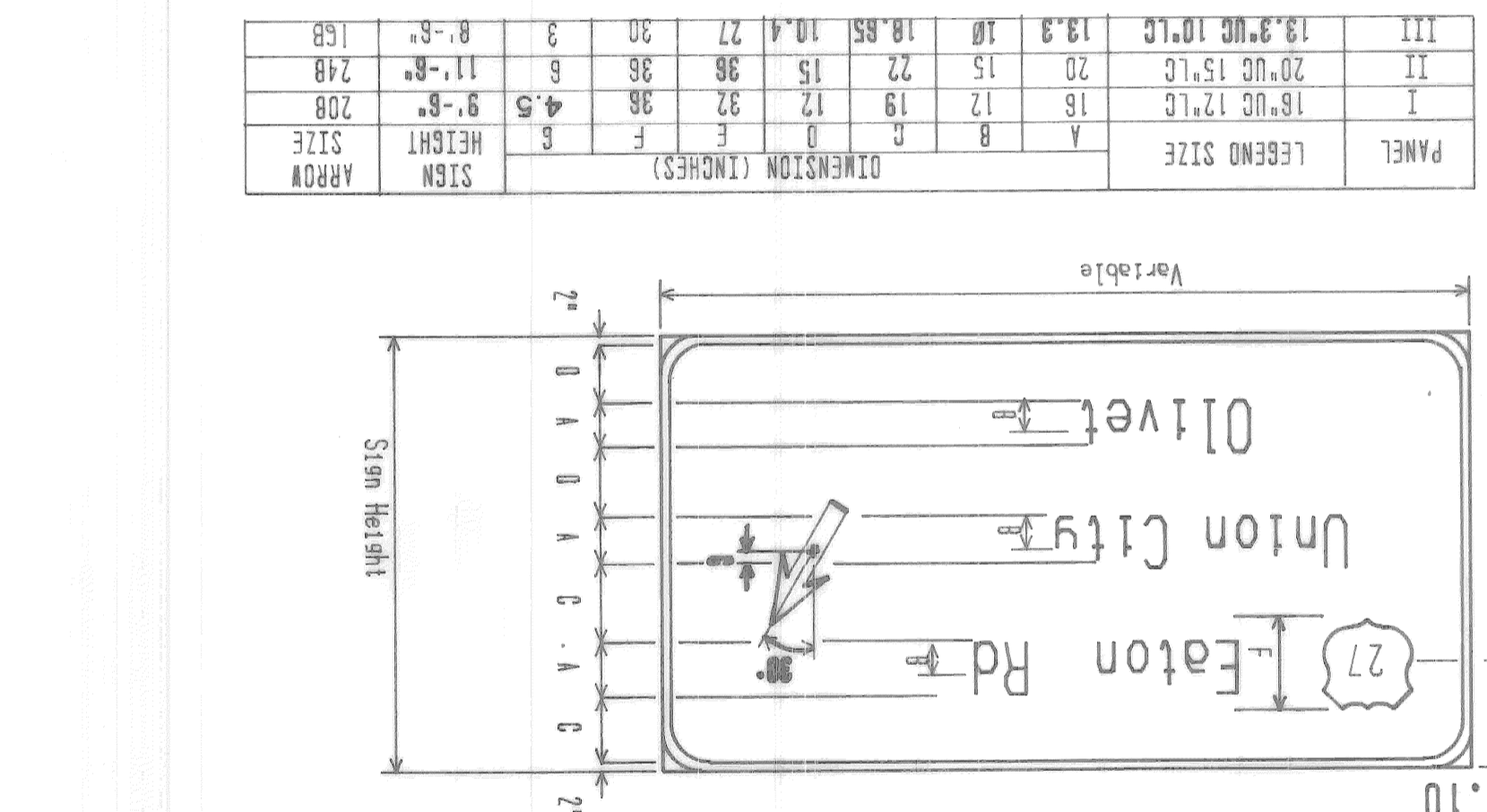


1.1

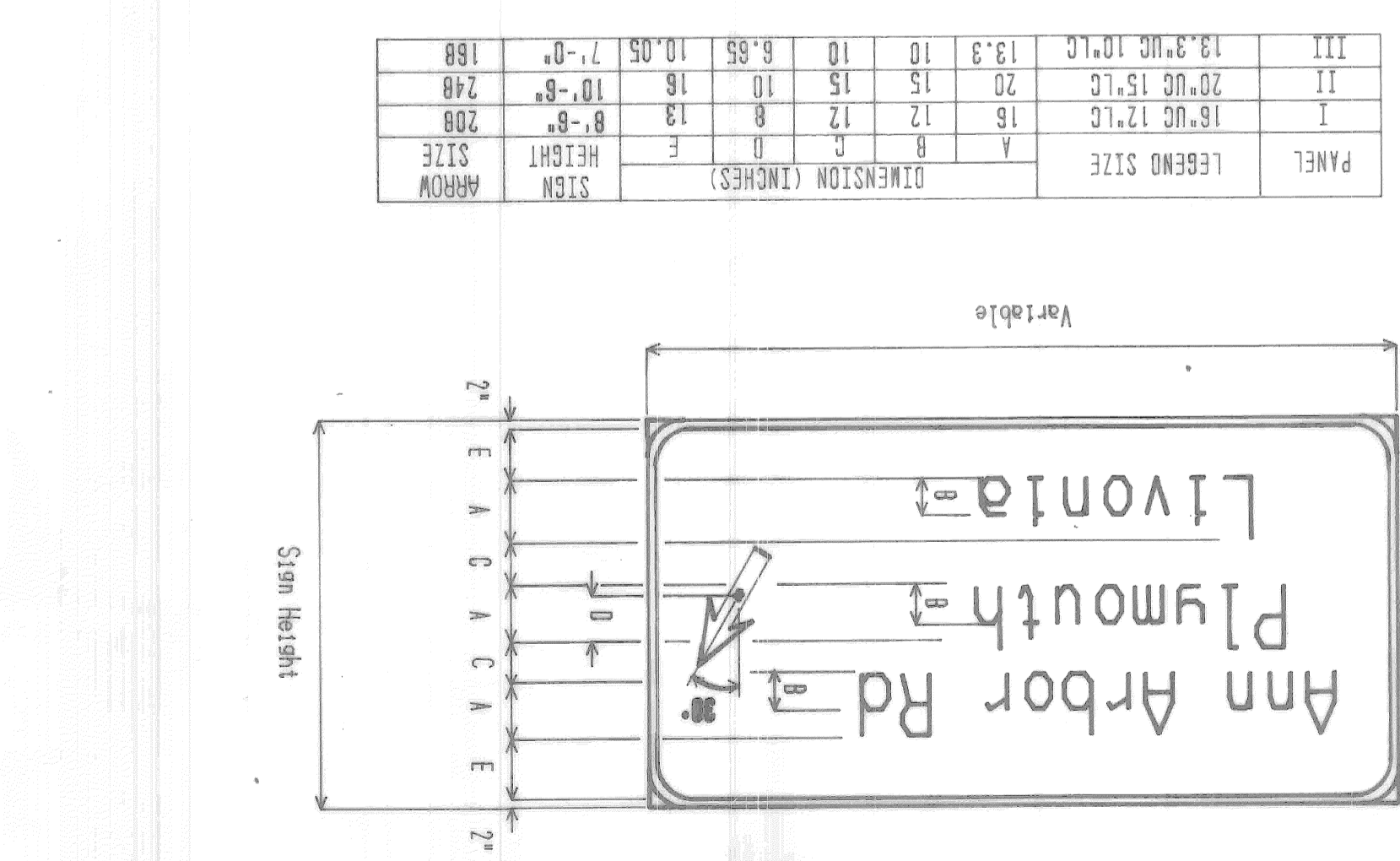
PANEL	LEGEND SIZE	A	B	C	D	E	F	H
I	16"UC 12"LC	16	12	12	6	12	12	36
II	18"UC 15"LC	18	15	15	9	15	15	36
III	19.3"UC 10"LC	19.3	10	10.4	10	10.4	10	30



1.11

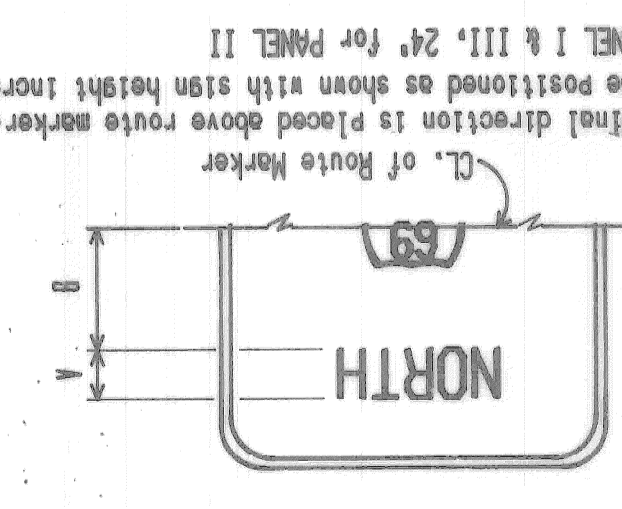


1.10

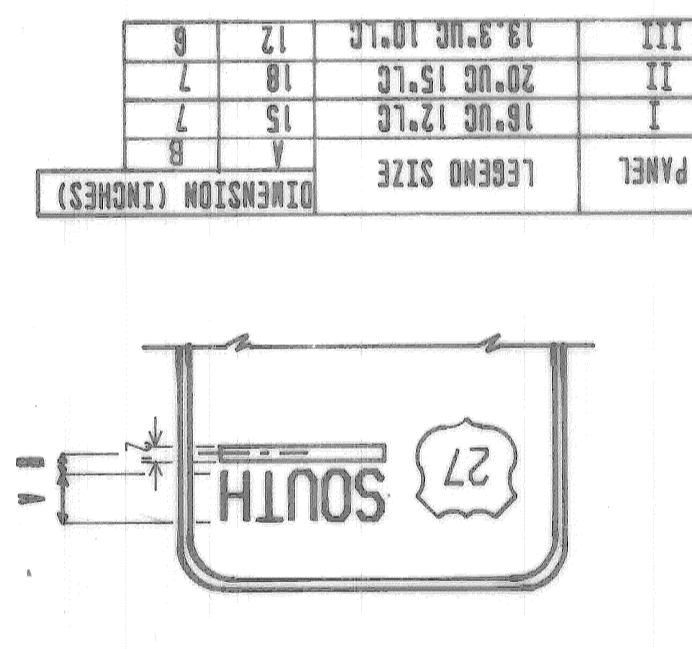


1.10

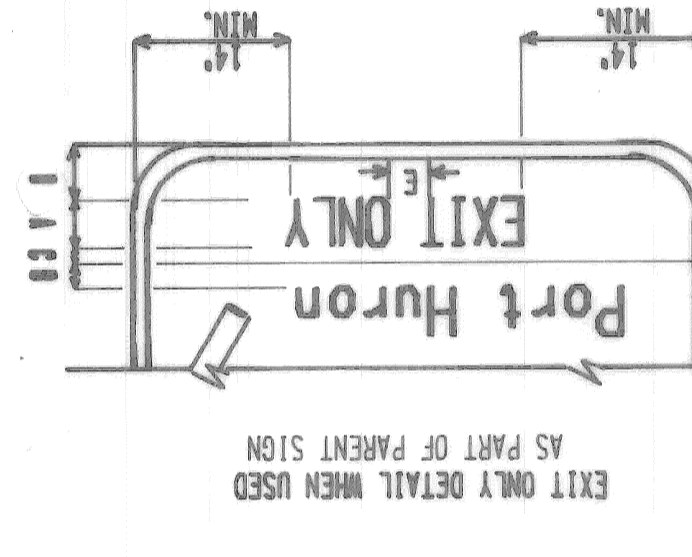
DETAIL 1



DETAIL 2



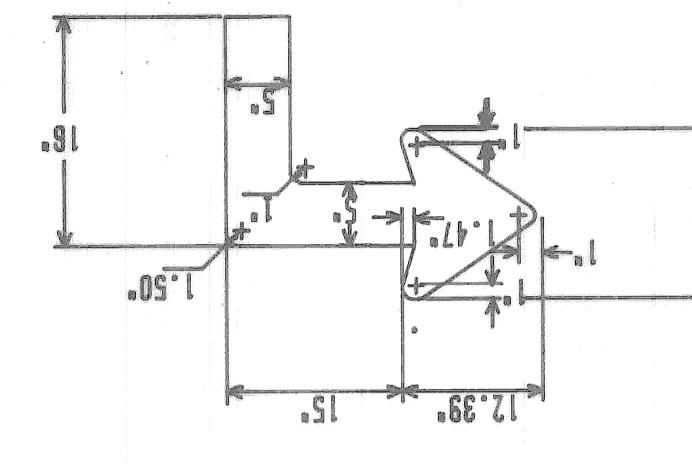
DETAIL 3



SPECIFICATIONS

1. Sign Panels: Integral portion of parent sign.
2. Sign Faces: Type B
 - (a.) Legend: Letter Series E of the height indicated.
 - (b.) Color: Black letters and border on yellow background.
 - (c.) Reflectors: Yellow sheeting.

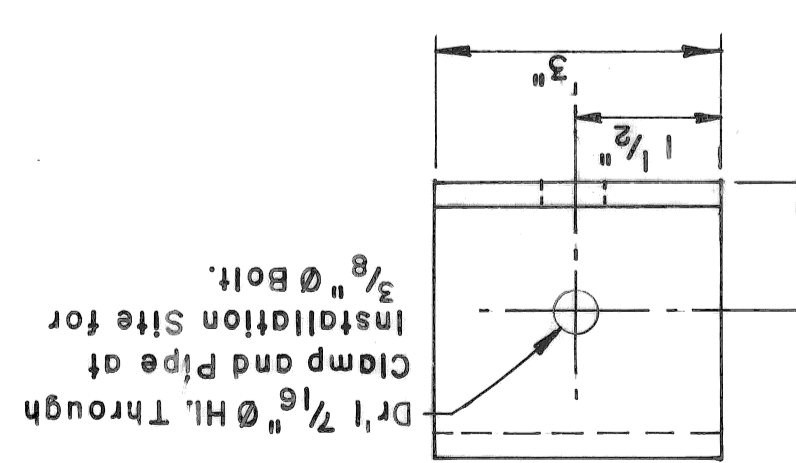
DETAIL 4



Height of Sign usually increases by 18" for Panel I & III, 24" for Panel II

NOTES:
1.-See Std. S13.10 for Exit Number Detail Drawing.
2.-All lines of Legends are to be optically centered.

STATE	ROUTE	SECTION	JOB NO.
MICH.	5		
FEDERAL PROJECT	CONTROL SECTION	COUNTY	ROUTE
R.O.W. NO.	FEDERAL PROJECT	NO.	SHEET TOTAL



NOTES:

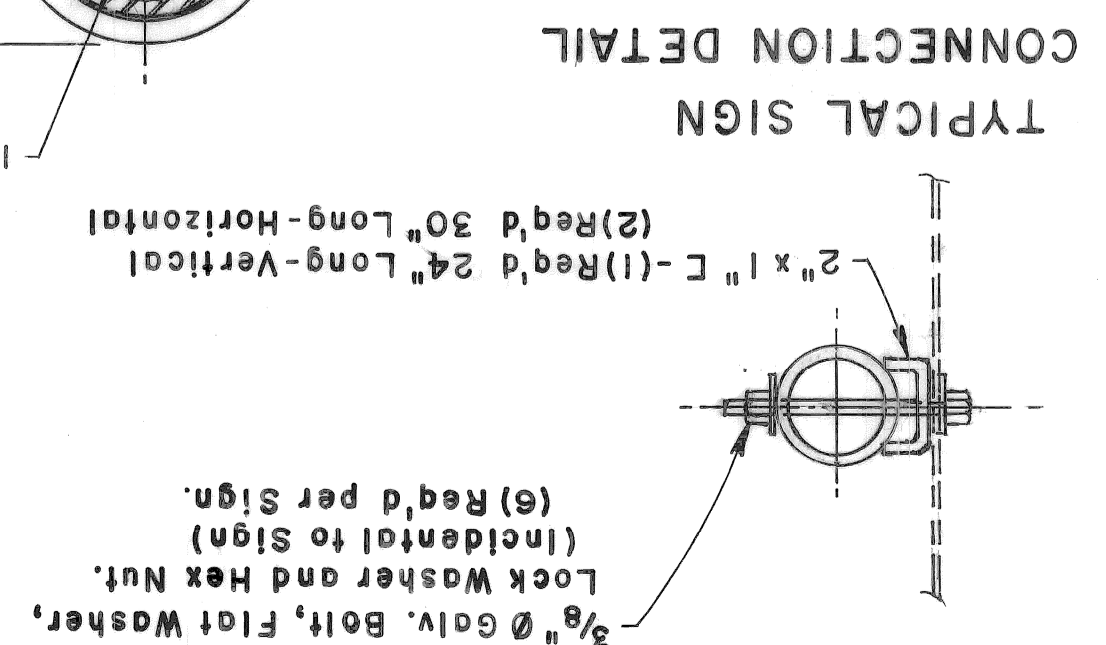
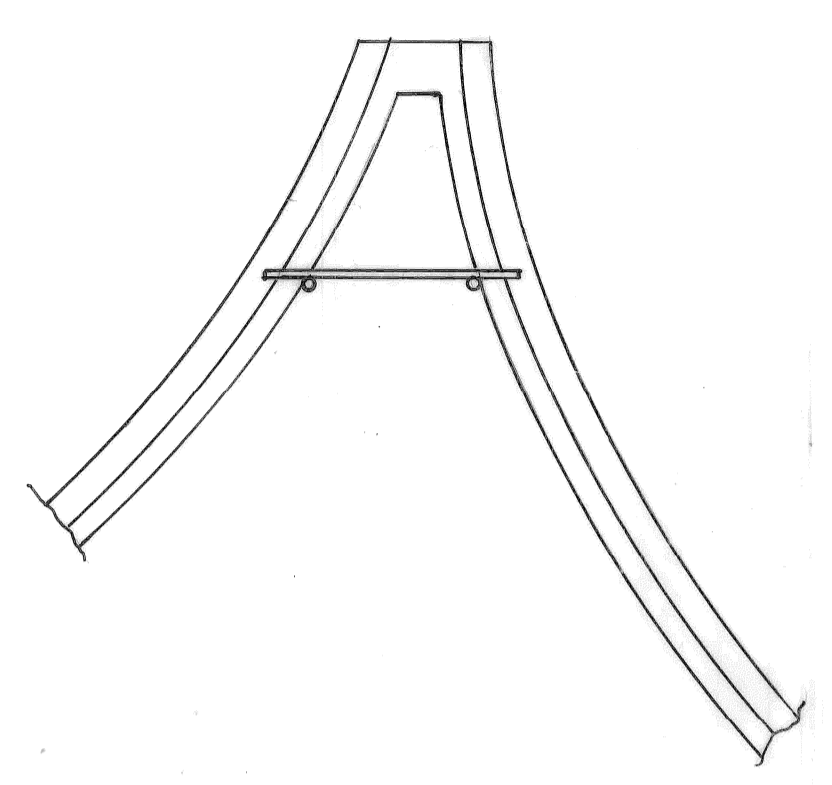
- 1.- PLACEMENT OF SIGN SHOULD BE SUCH THAT MOTORIST'S LINE OF SIGHT AT A POINT 150' IN ADVANCE OF THE SIGN.
- 2.- ALL BOLTS SHALL BE GALVANIZED HIGH STRENGTH BOLTS (ASTM A-325). ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A-153. NUTS SHALL BE TAPPED 0.015" OVERSIZE. AFTER FINAL TAPPING.
- 3.- ALL STEEL COMPONENTS SHALL BE A-36 AND SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A-123.

MICHIGAN DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION
STANDARD PLAN FOR
SIGN CONNECTIONS TO CONCRETE BARRIERS - TYPE I, II & III

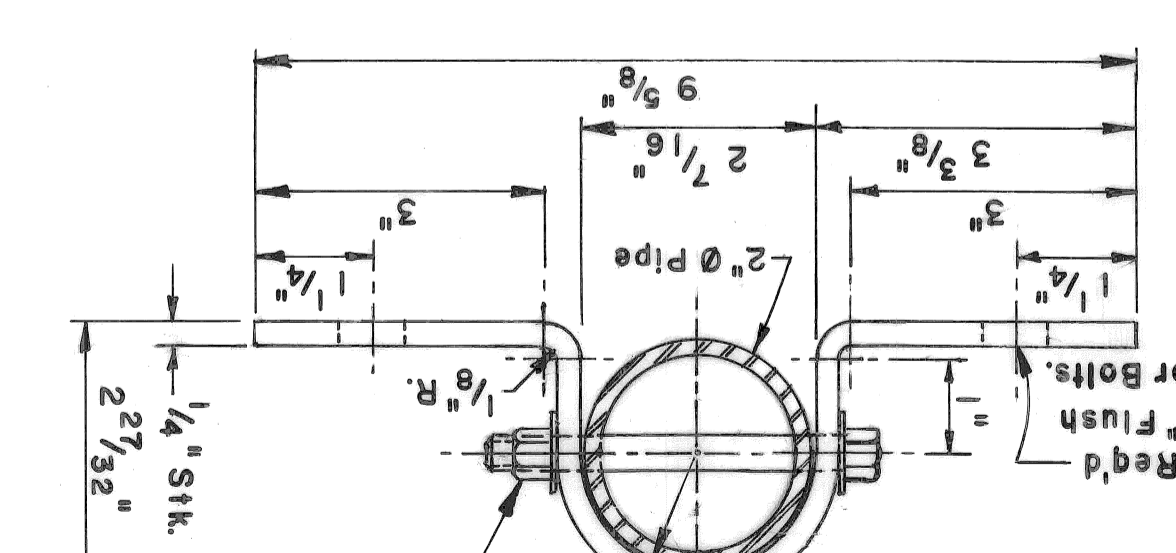
DRAWN BY: W. C. G.
CHECKED BY:

SECTION	CONTROL	NO.	JOB NO.
		82111	16563A
SHEET			
139			

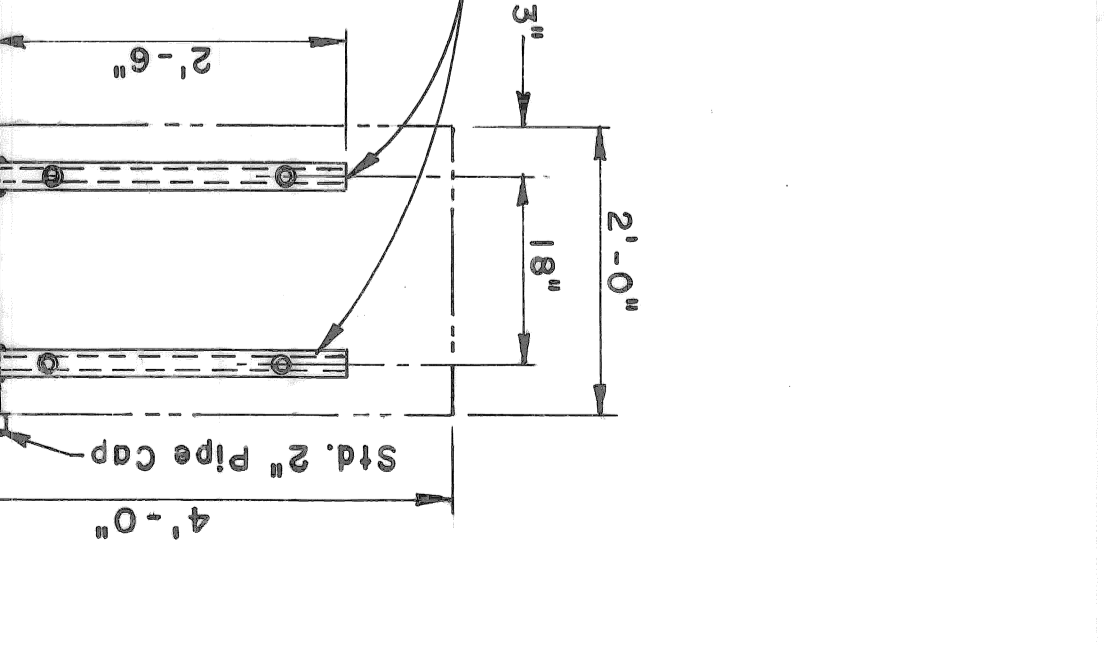
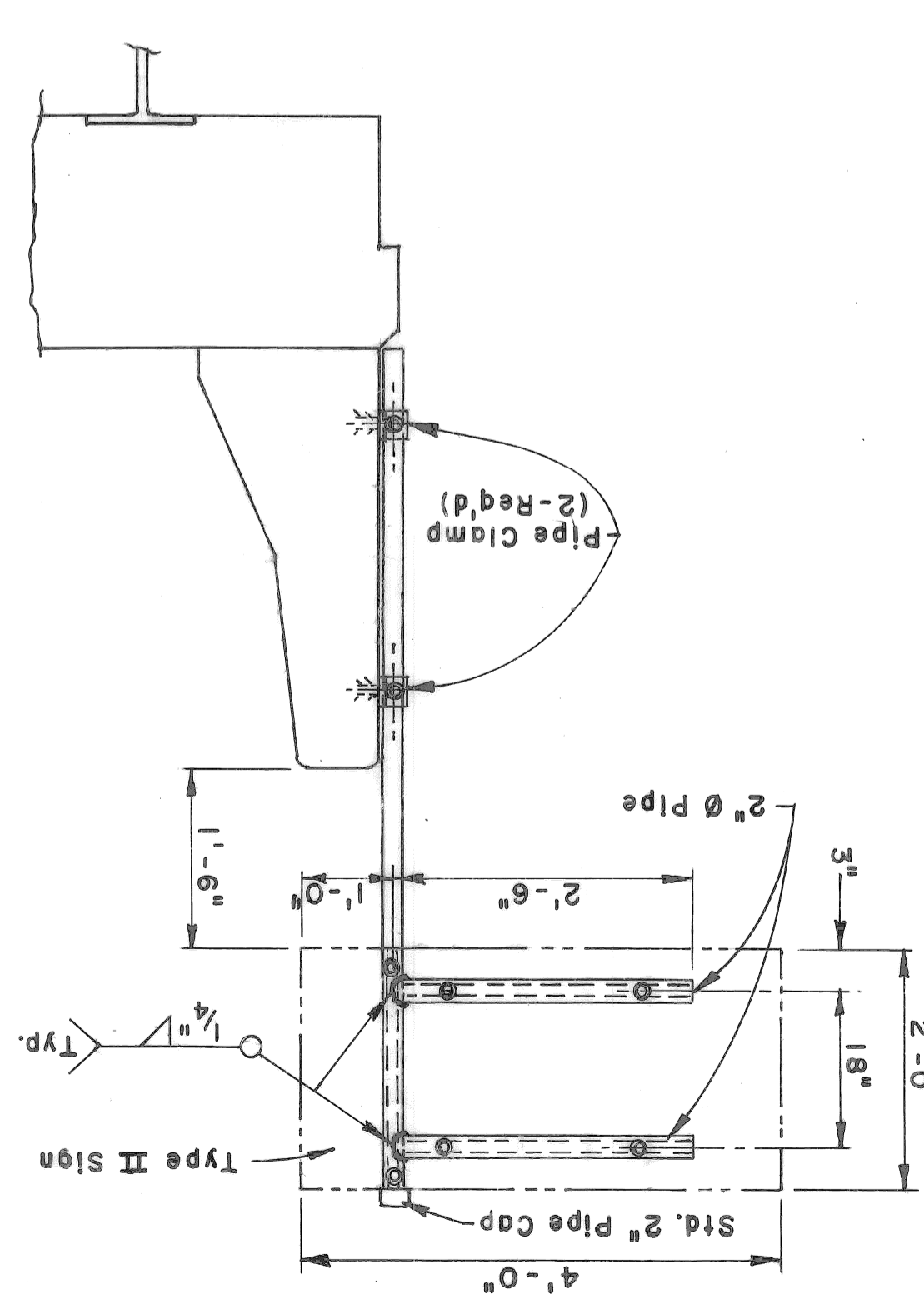
TYPICAL GORE INSTALLATION



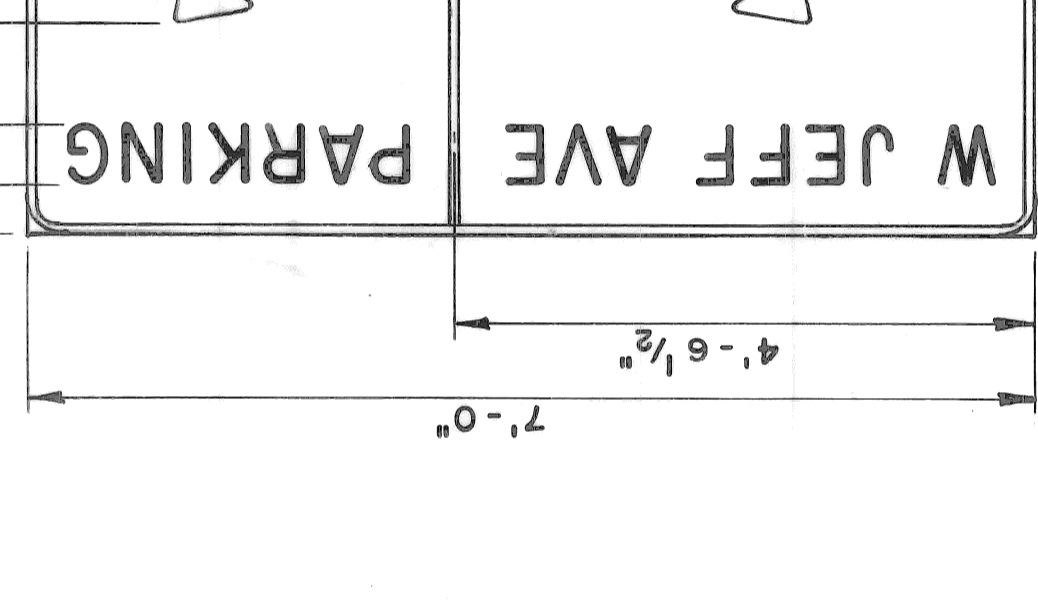
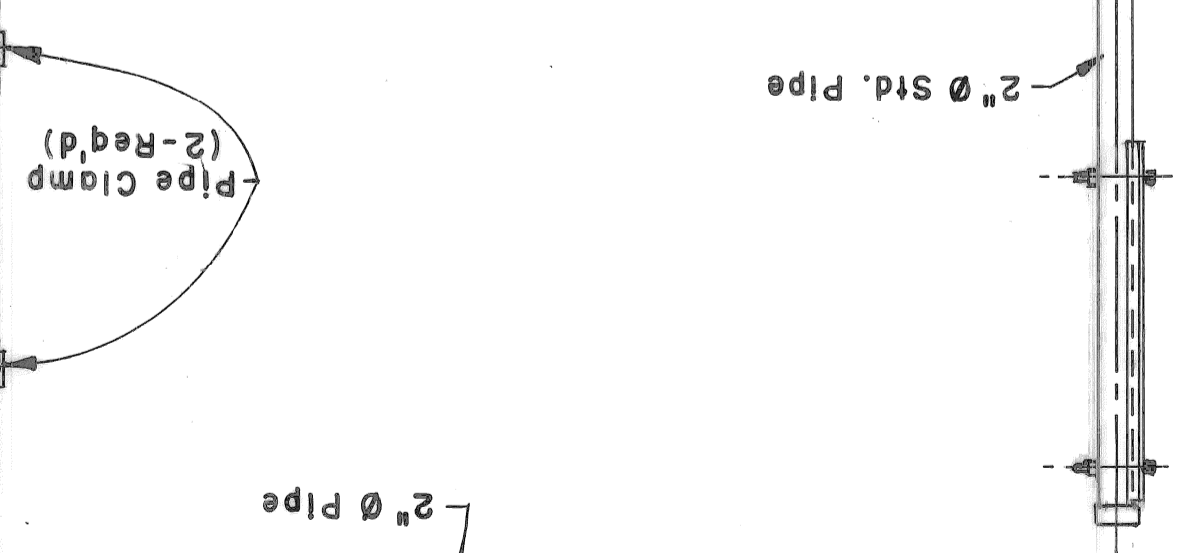
PIPE CLAMP DETAIL
FLAT STOCK LENGTH = 12 7/8"



BARRIER CONNECTION - TYPE II

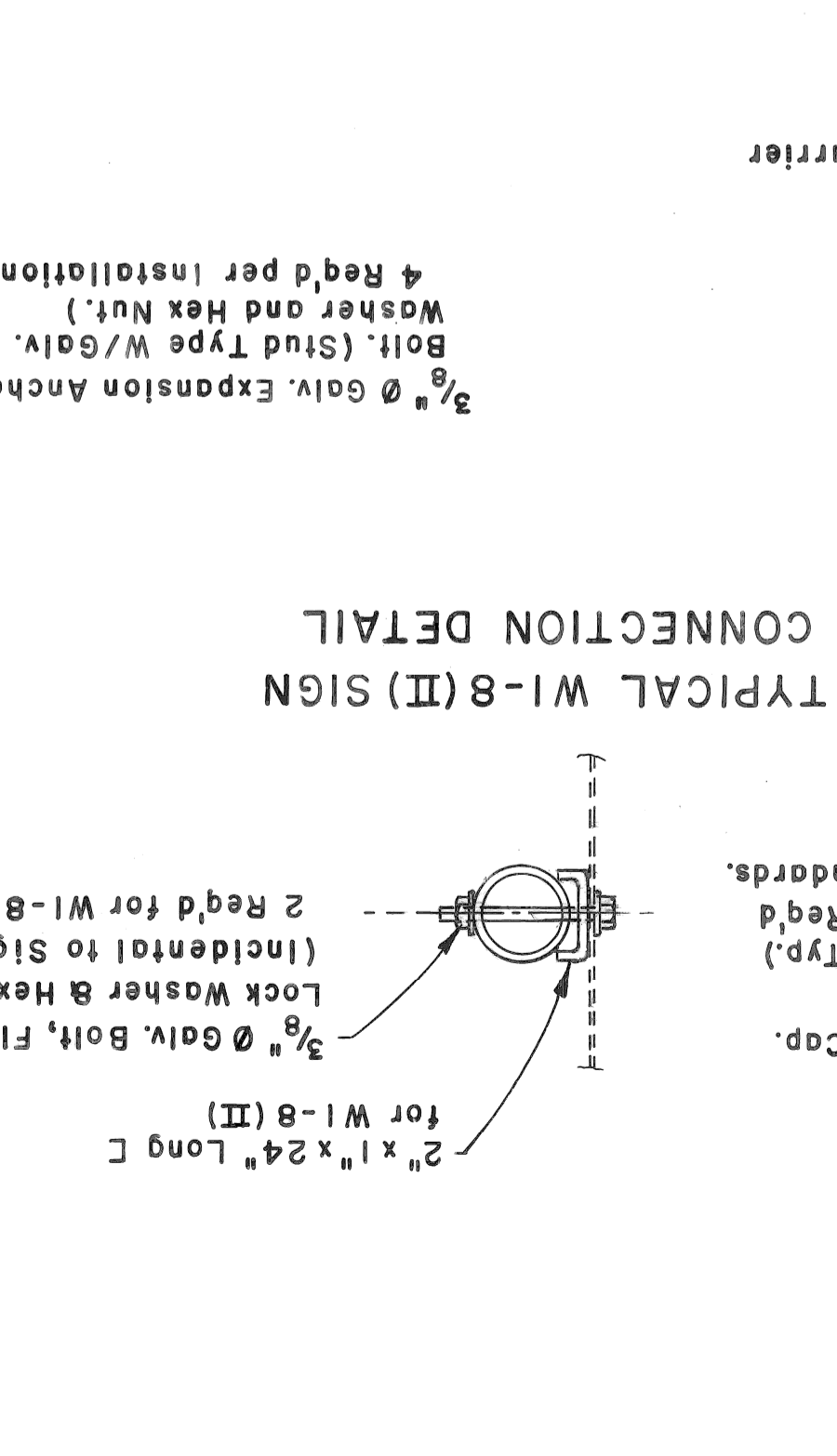


PIPE CLAMP DETAIL
FLAT STOCK LENGTH = 12 7/8"

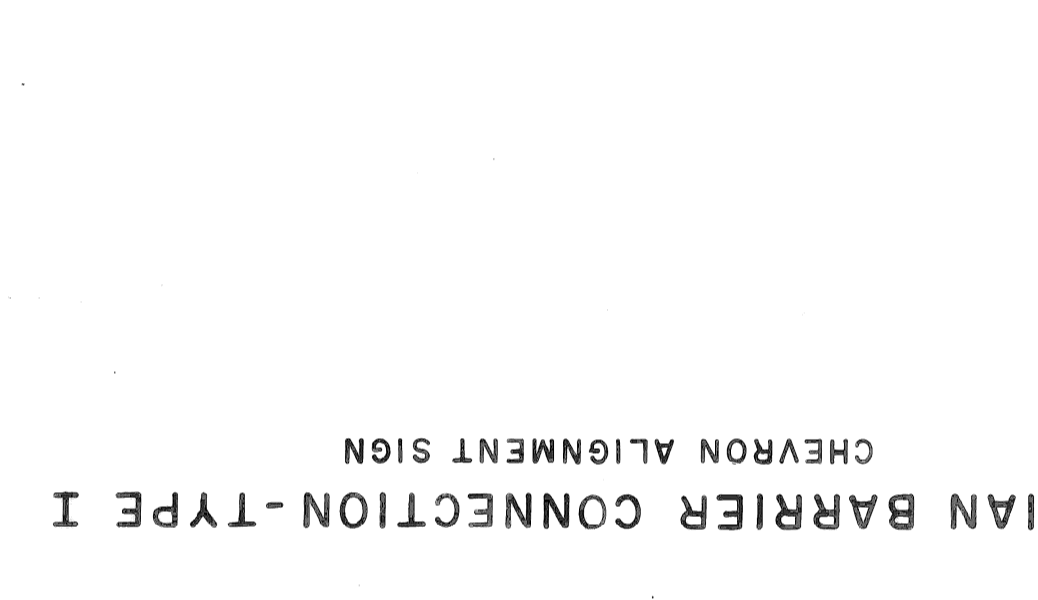
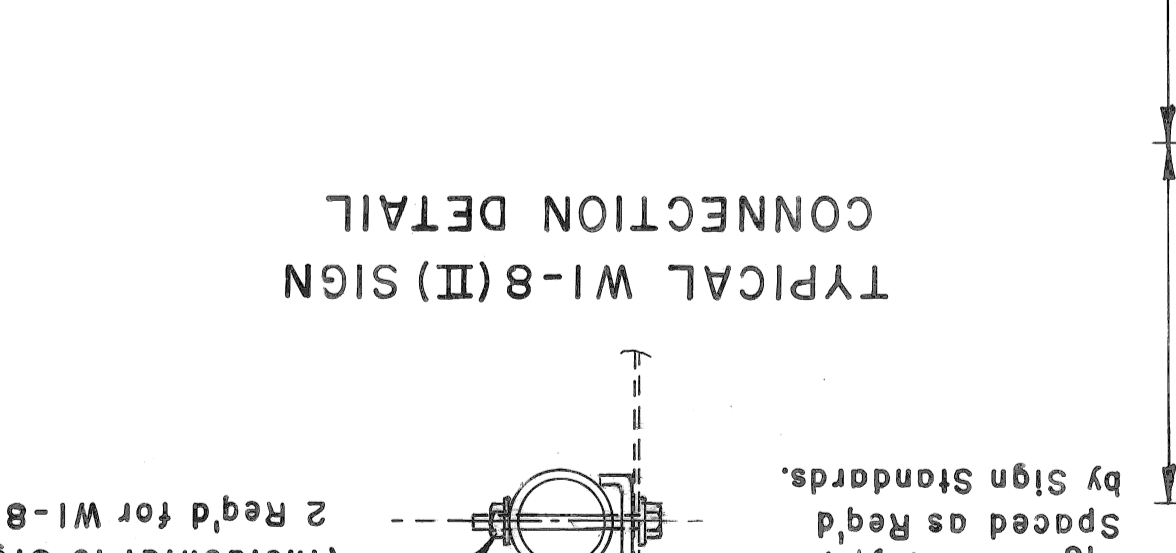


BARRIER CONNECTION - TYPE III

MEDIAN BARRIER CONNECTION - TYPE I
CHEVRON ALIGNMENT SIGN

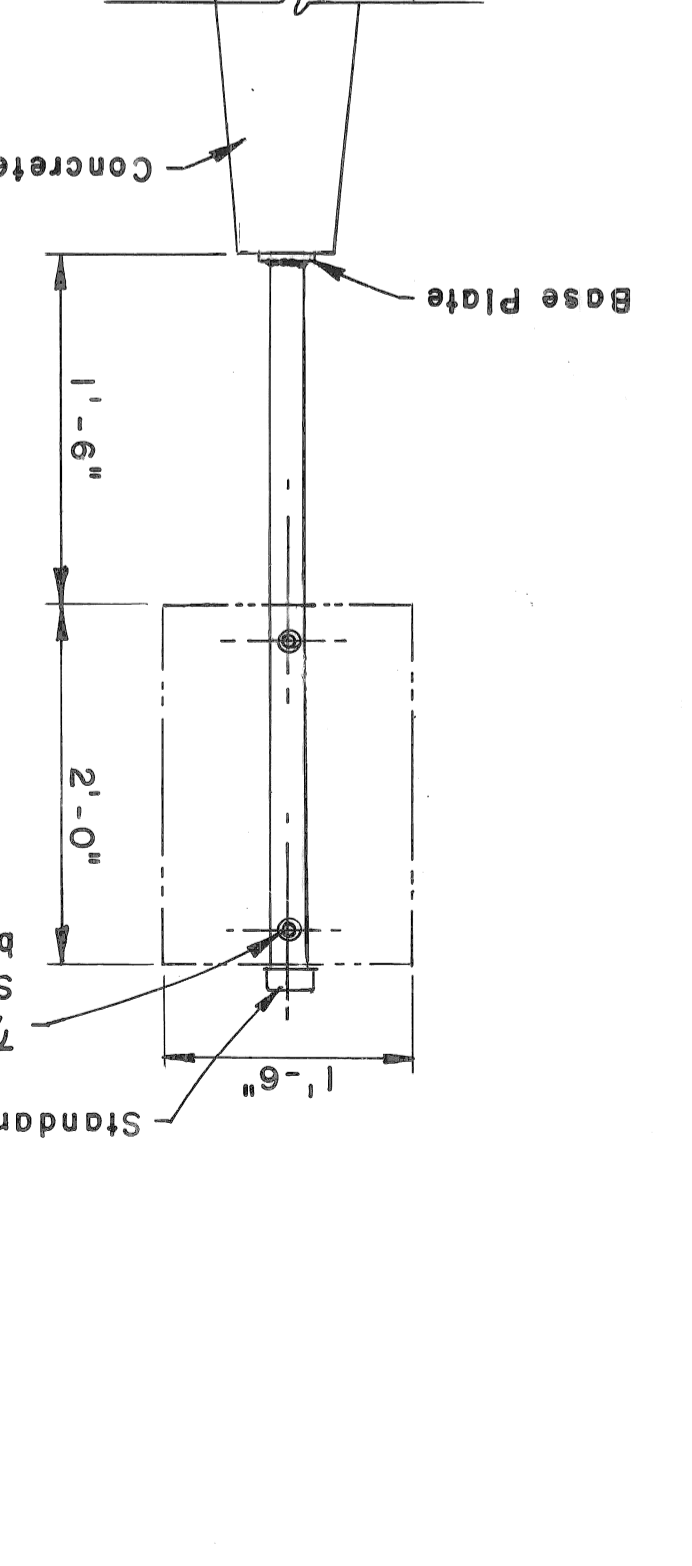


PIPE CLAMP DETAIL
FLAT STOCK LENGTH = 12 7/8"

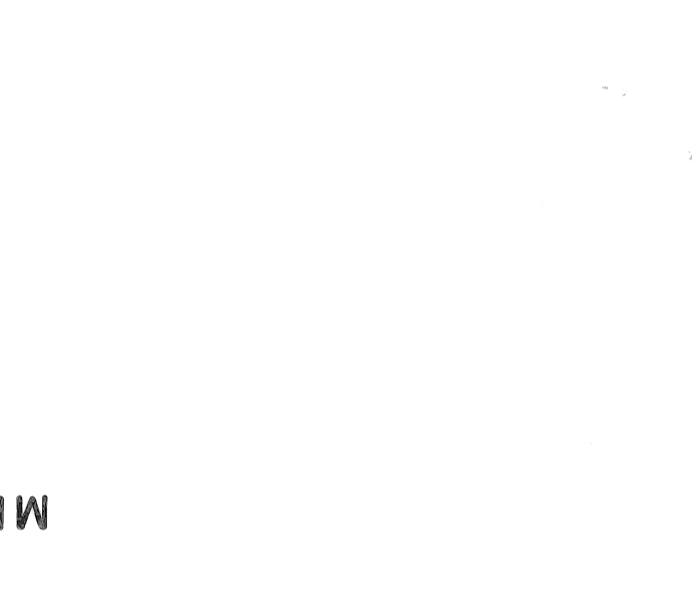
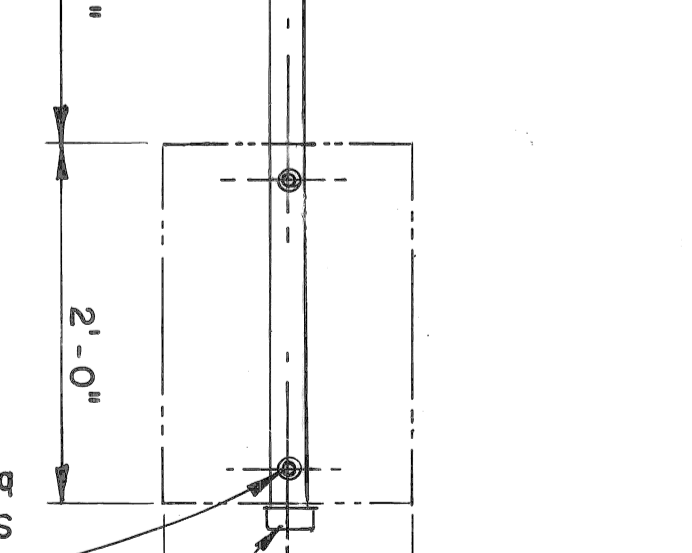


BARRIER CONNECTION - TYPE III

BASE PLATE DETAIL



PIPE CLAMP DETAIL
FLAT STOCK LENGTH = 12 7/8"



BARRIER CONNECTION - TYPE III