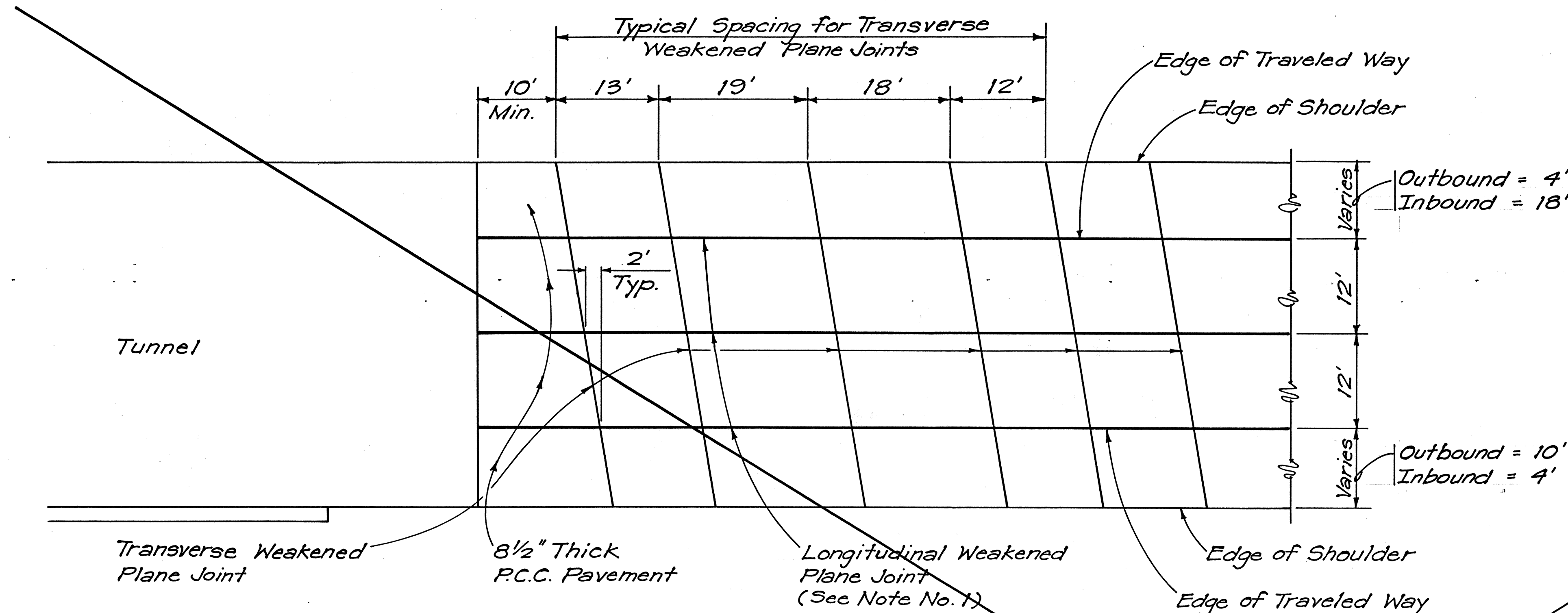


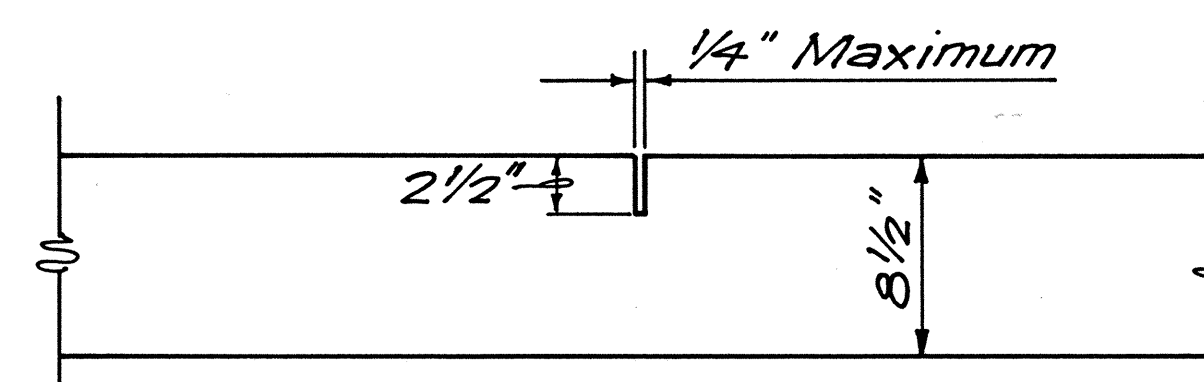
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(53)	1988	9	124



TYPICAL JOINT LOCATION AND LAYOUT PLAN
Scale: 1" = 10'-0"

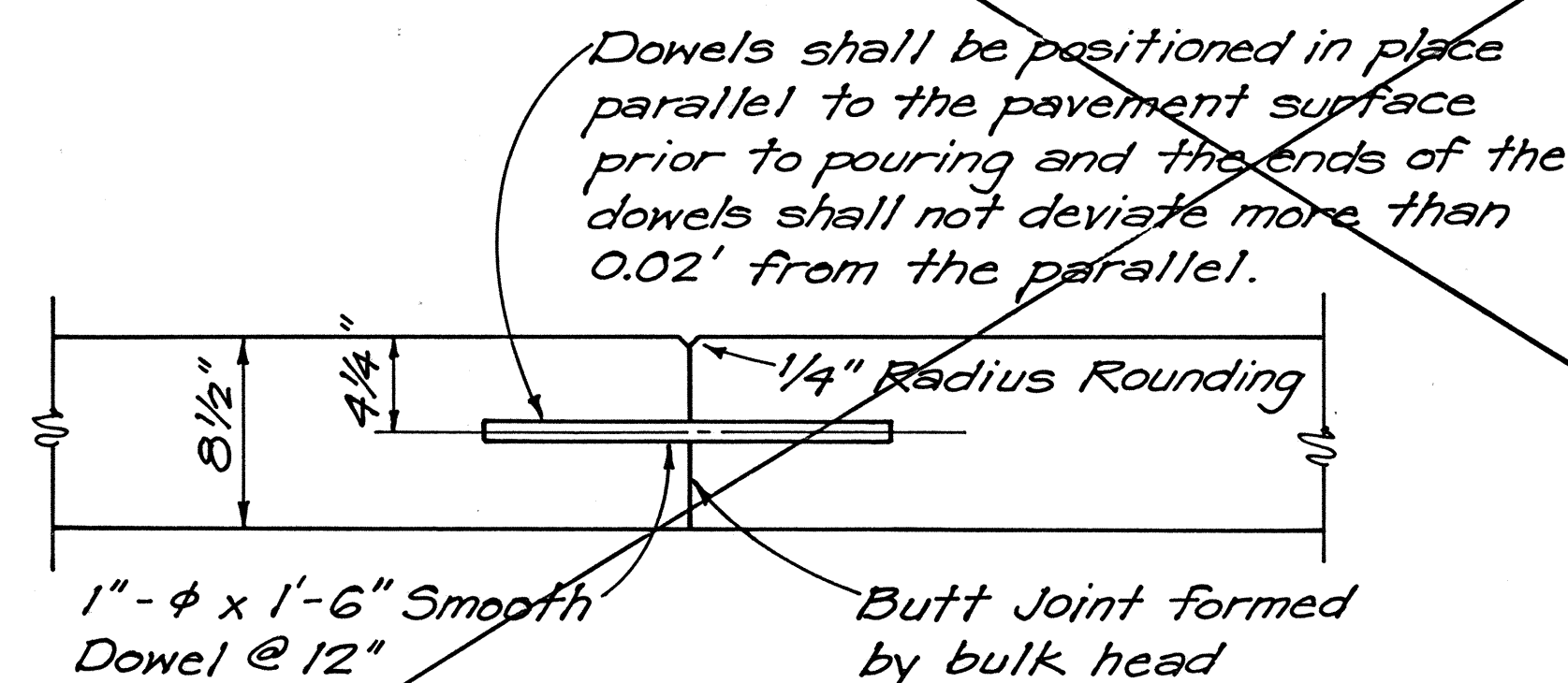
GENERAL NOTES

1. The longitudinal weakened plane joint detail shall be applicable at the intermediate traffic lane edge when two or more lanes are paved in one continuous pour. The straight tie bars shall be placed mechanically to the depth shown on the detail. All other longitudinal joints shall be constructed in accordance with the contact joint detail shown on this plan.
2. Transverse weakened plane joints shall be sawed diagonally as shown, unless otherwise directed by the Engineer. Under typical conditions, transverse weakened plane joints shall be skewed counter-clockwise with an offset of 2' for every 12' of lane width from the perpendicular to the median.
3. Transverse weakened plane joints shall be spaced at successive intervals of 13', 19', 18', and 12' in the direction of traffic. Repeat for the remaining joints.
4. Transverse construction (contact) joints shall be located at a minimum distance of 10' from the nearest planned transverse weakened plane joint.
5. At the outer edge of the P.C.C. pavement, 1/2" radius rounding shall be utilized longitudinally or as directed by the Engineer.
6. An additional longitudinal weakened plane joint will be required when the variable width exceeds 12'; the location shall be as directed by the Engineer.

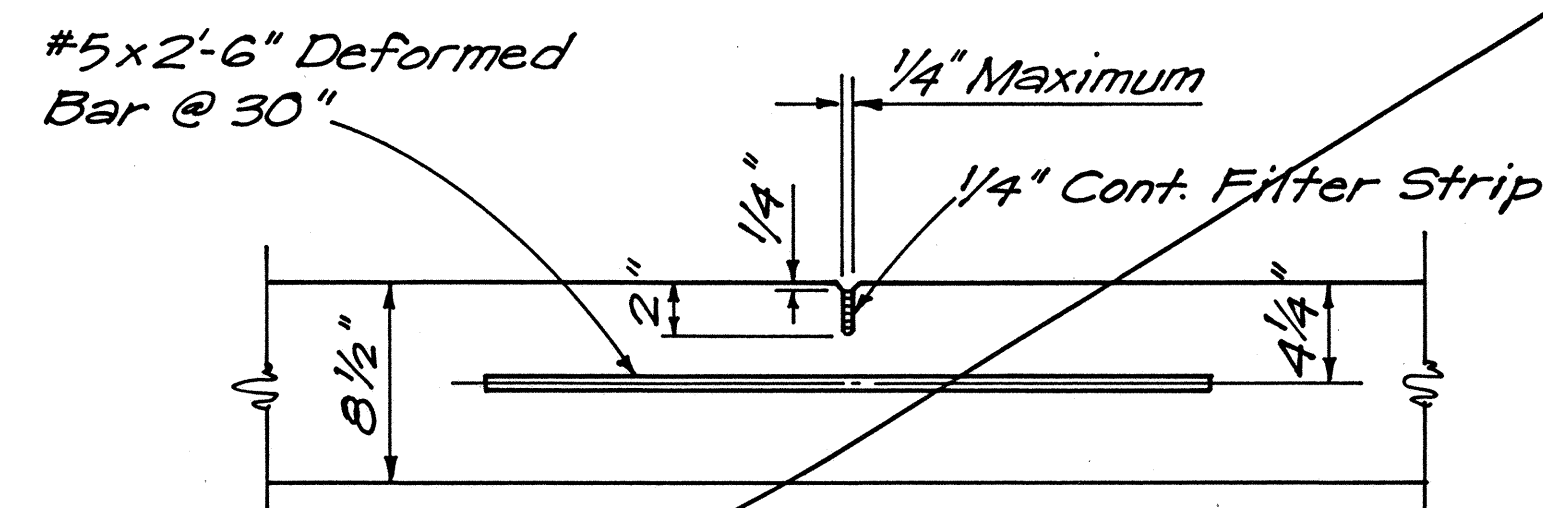


SAWED JOINT

TRANSVERSE WEAKENED PLANE
Scale: 1 1/2" = 1'-0"

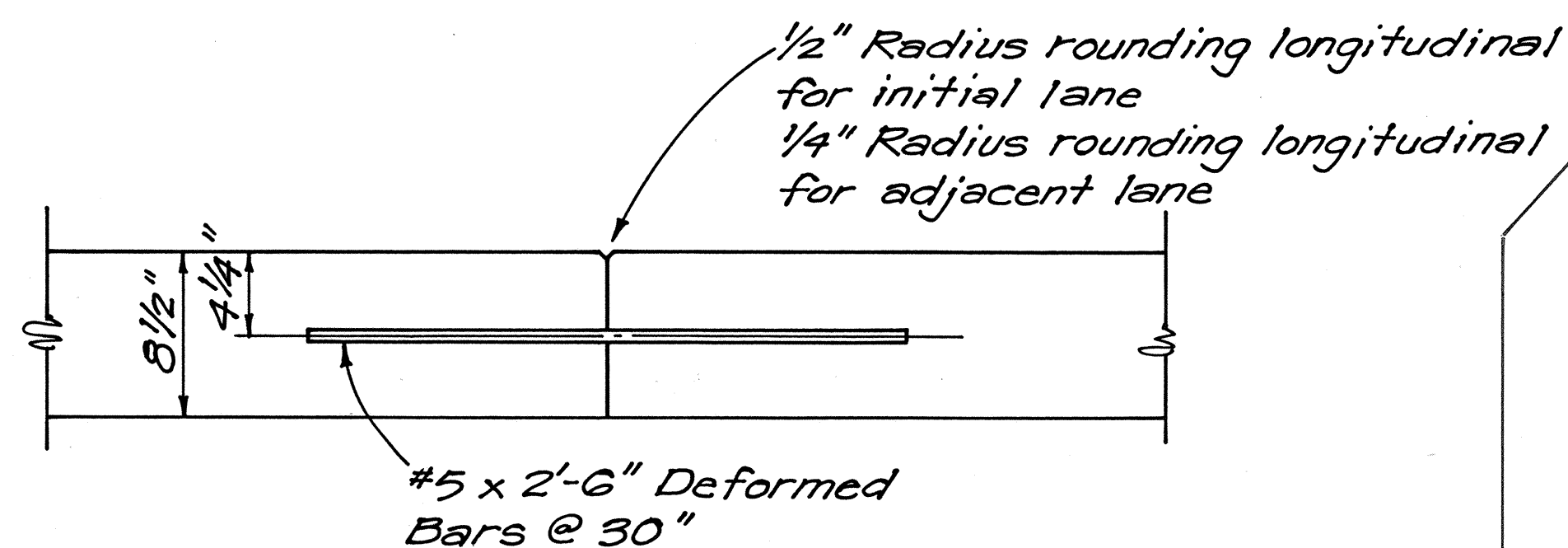


TRANSVERSE CONSTRUCTION (CONTACT JOINT)
Scale: 1 1/2" = 1'-0"

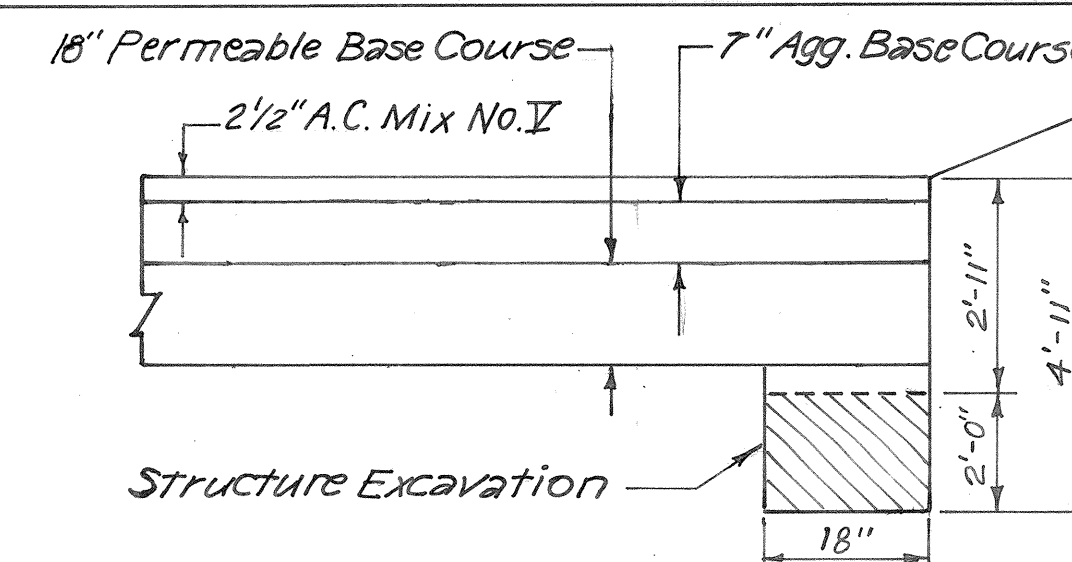


PREFORMED FILLER JOINT

LONGITUDINAL WEAKENED PLANE (CONTRACTION JOINT)
Scale: 1 1/2" = 1'-0"

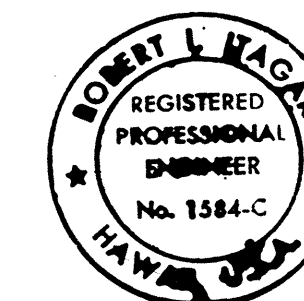


LONGITUDINAL CONSTRUCTION (CONTACT JOINT)
Scale: 1 1/2" = 1'-0"



TYPICAL STRUCTURE EXCAVATION FOR LOWERED UNDERDRAIN & PAY LIMITS

Locations: N.T.S.
I.B. H-3 @ Sta. 326+00± to @ Sta. 328+00±
O.B. H-3 @ Sta. 317+50± to @ Sta. 318+50±
O.B. H-3 @ Sta. 321+00± to @ Sta. 328+00±



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ME OR UNDER MY SUPERVISION.

Robert L. Hagani

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

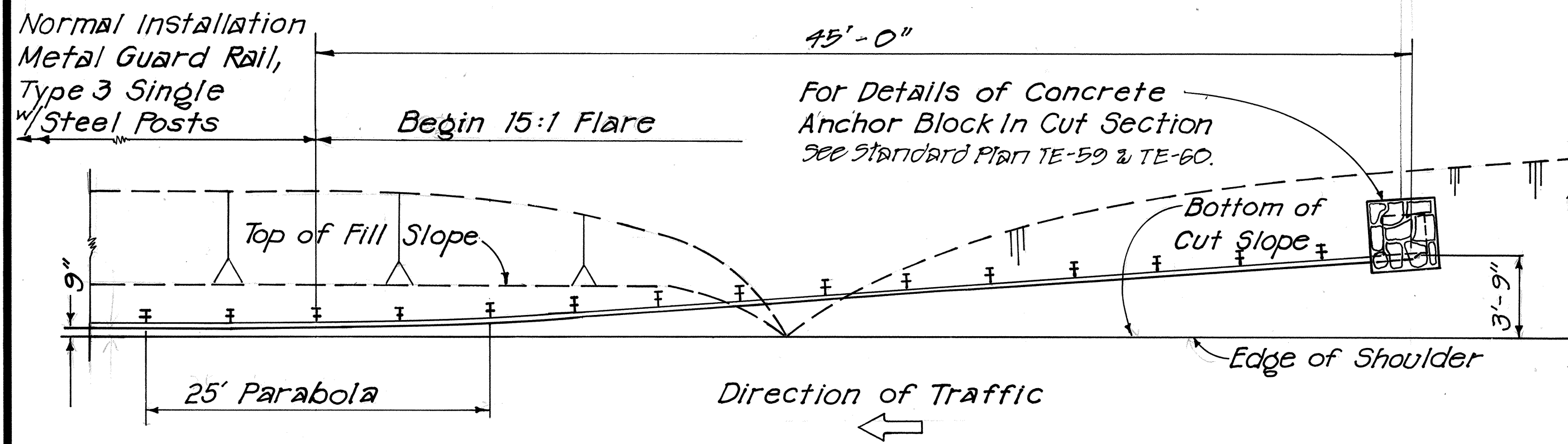
P.C.C. PAVEMENT JOINT DETAILS

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(53)

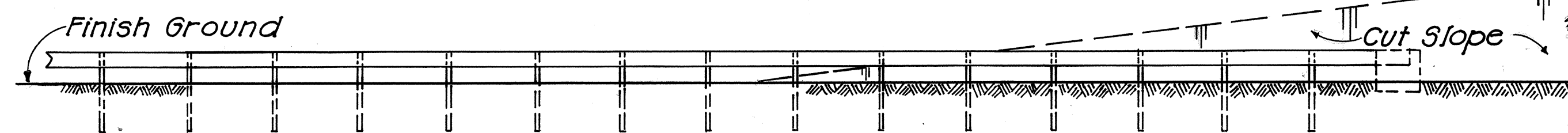
SCALE: AS NOTED DATE: AUG., 1988

SHEET NO. 1 OF 3 SHEETS

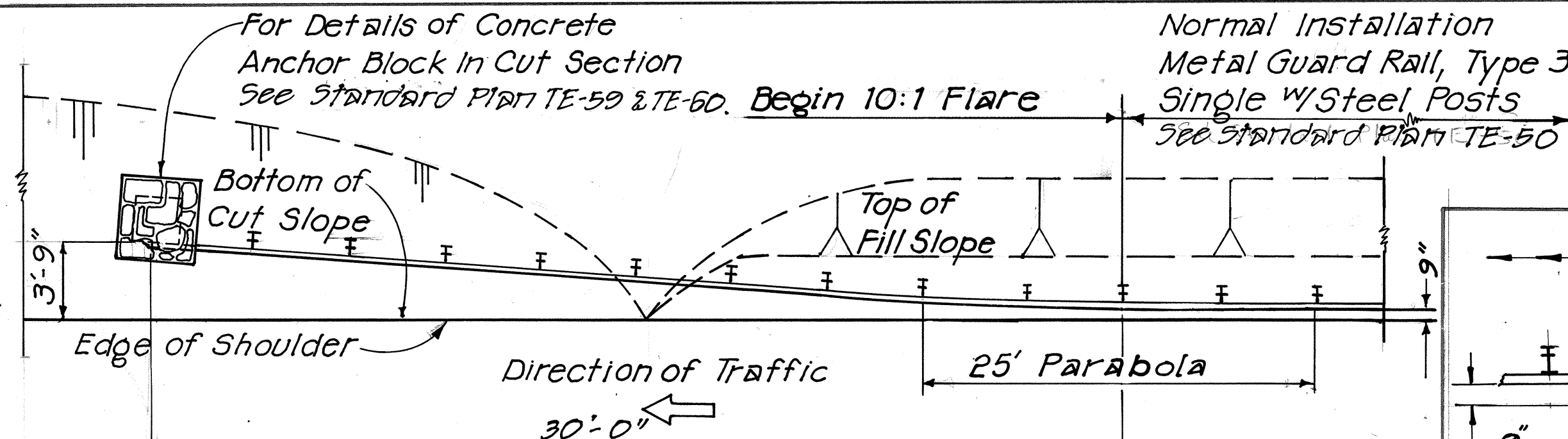
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(53)	1988	10	124



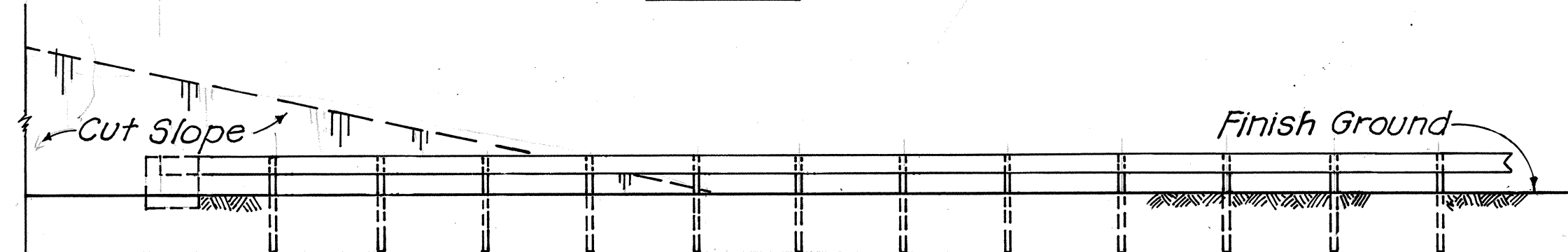
PLAN



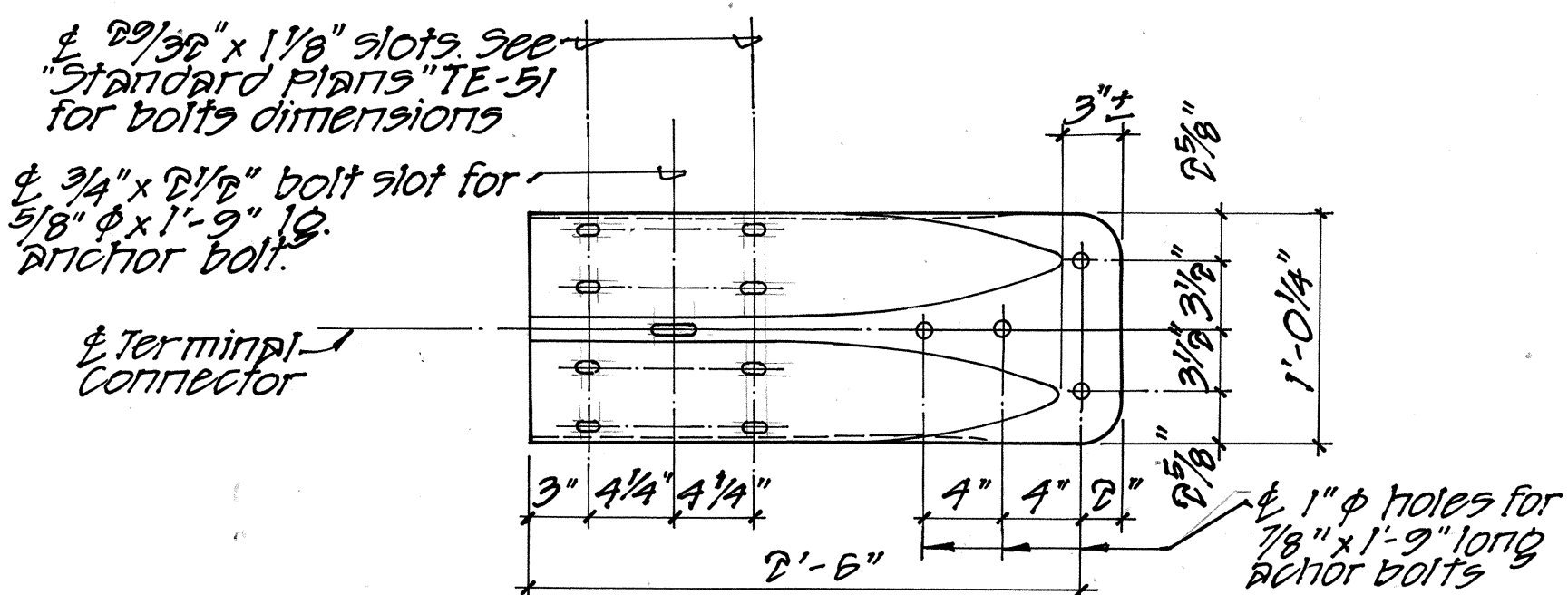
ELEVATION
TYPE "C-1" FLARE
Not To Scale



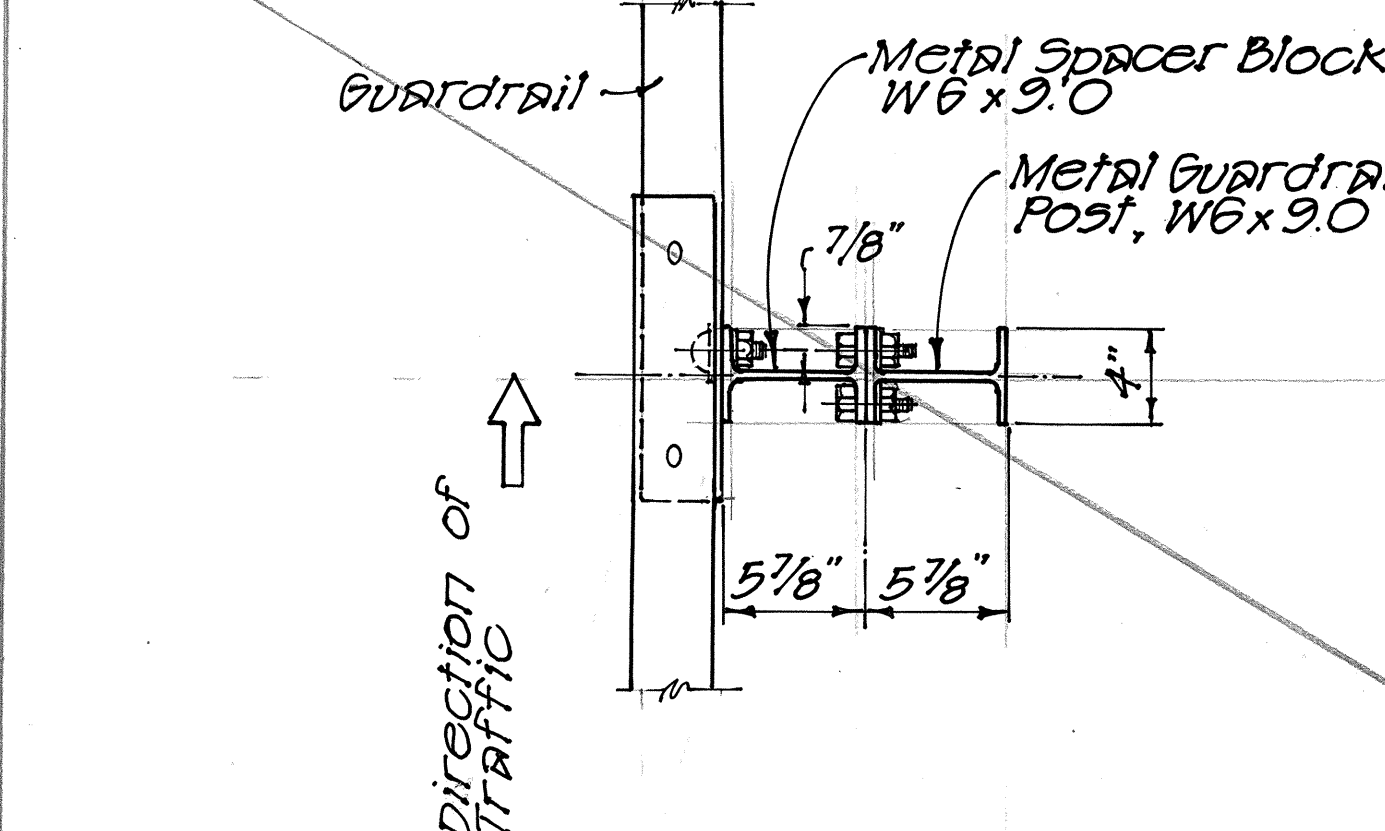
PLAN



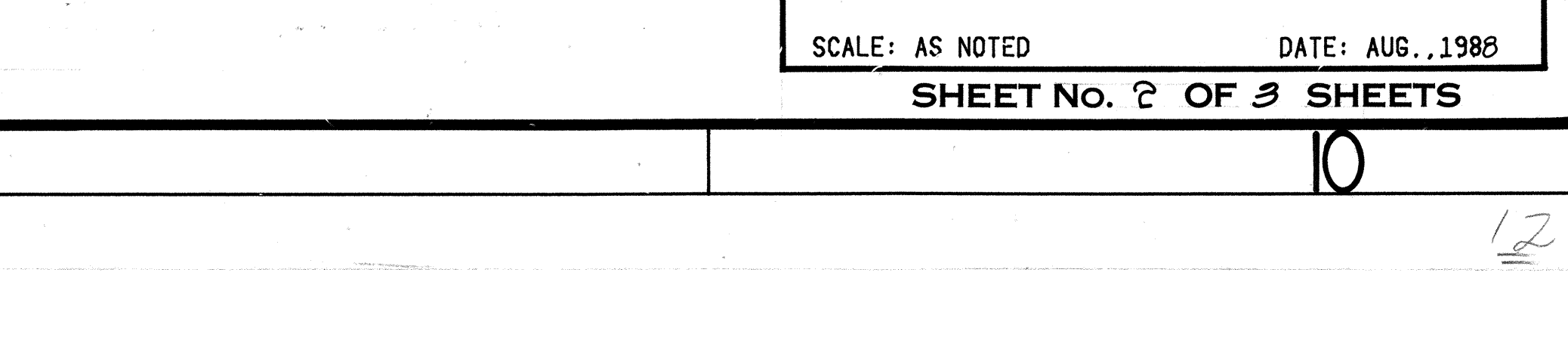
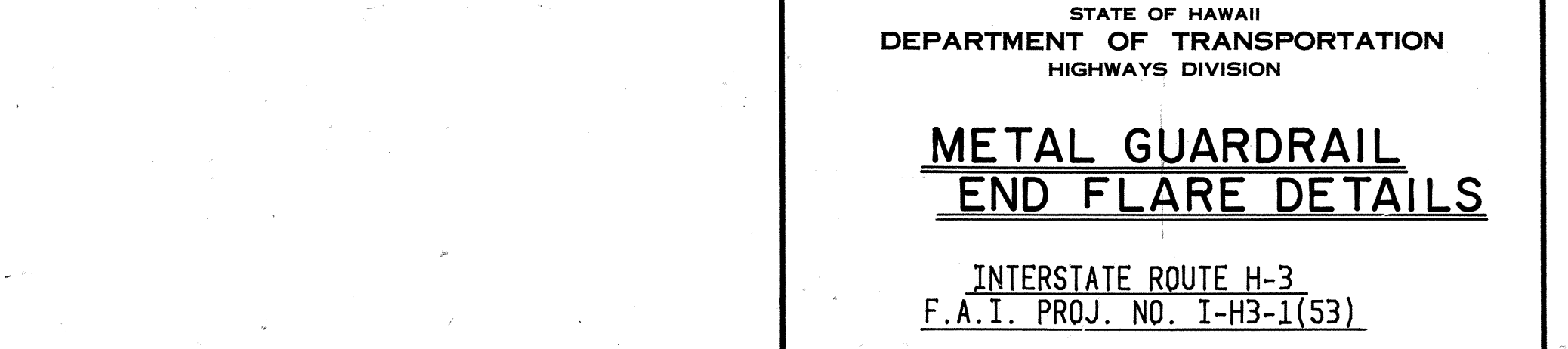
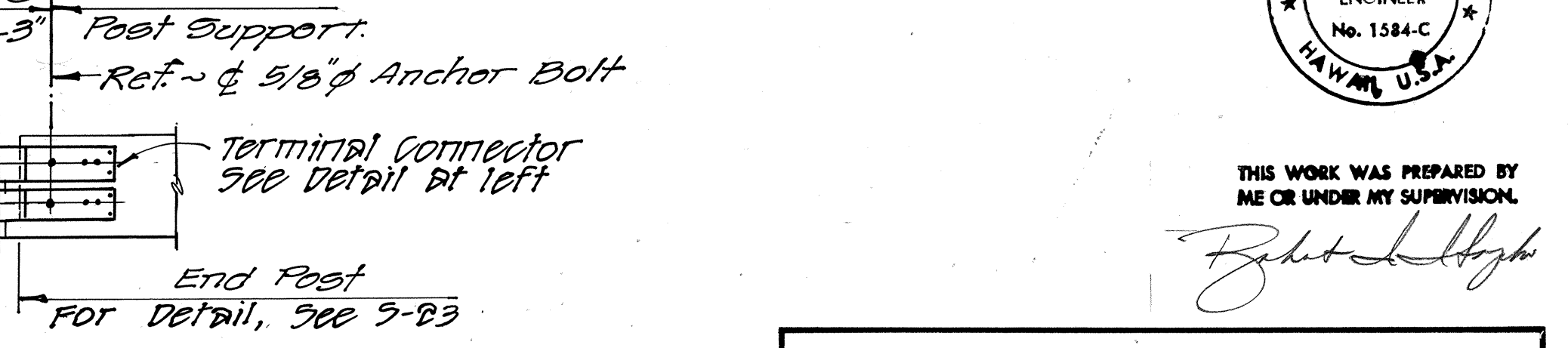
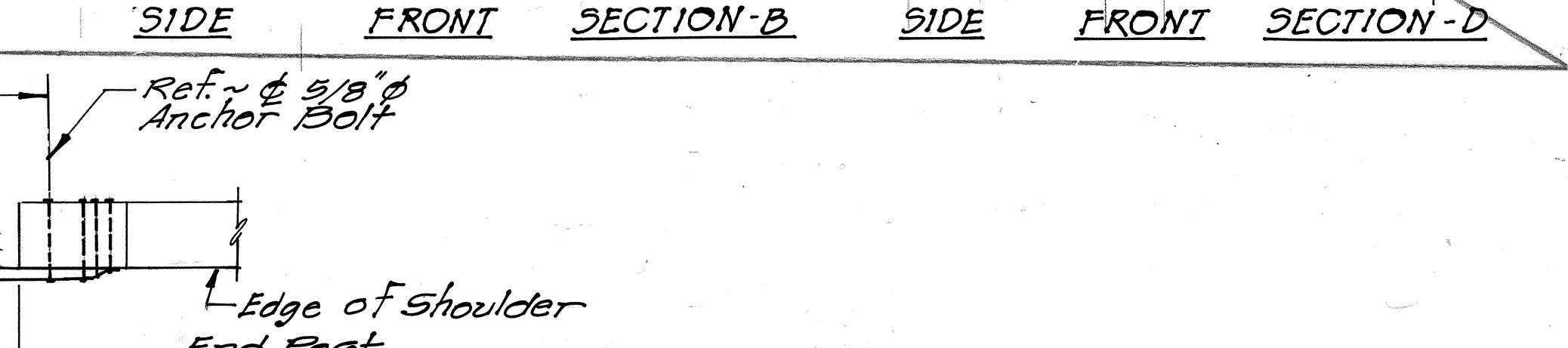
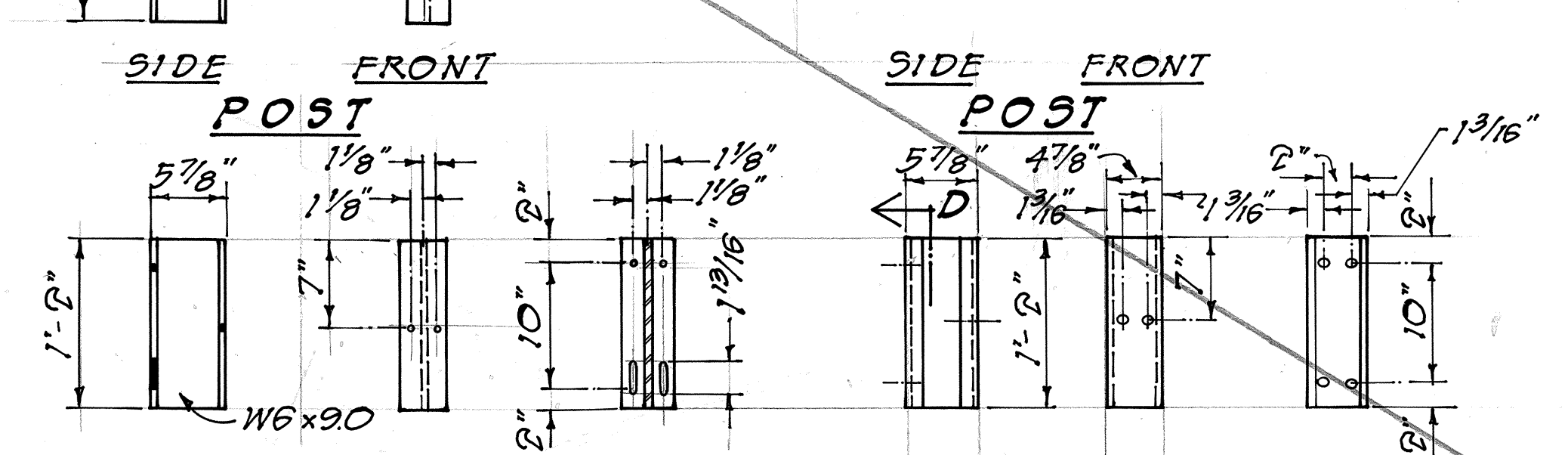
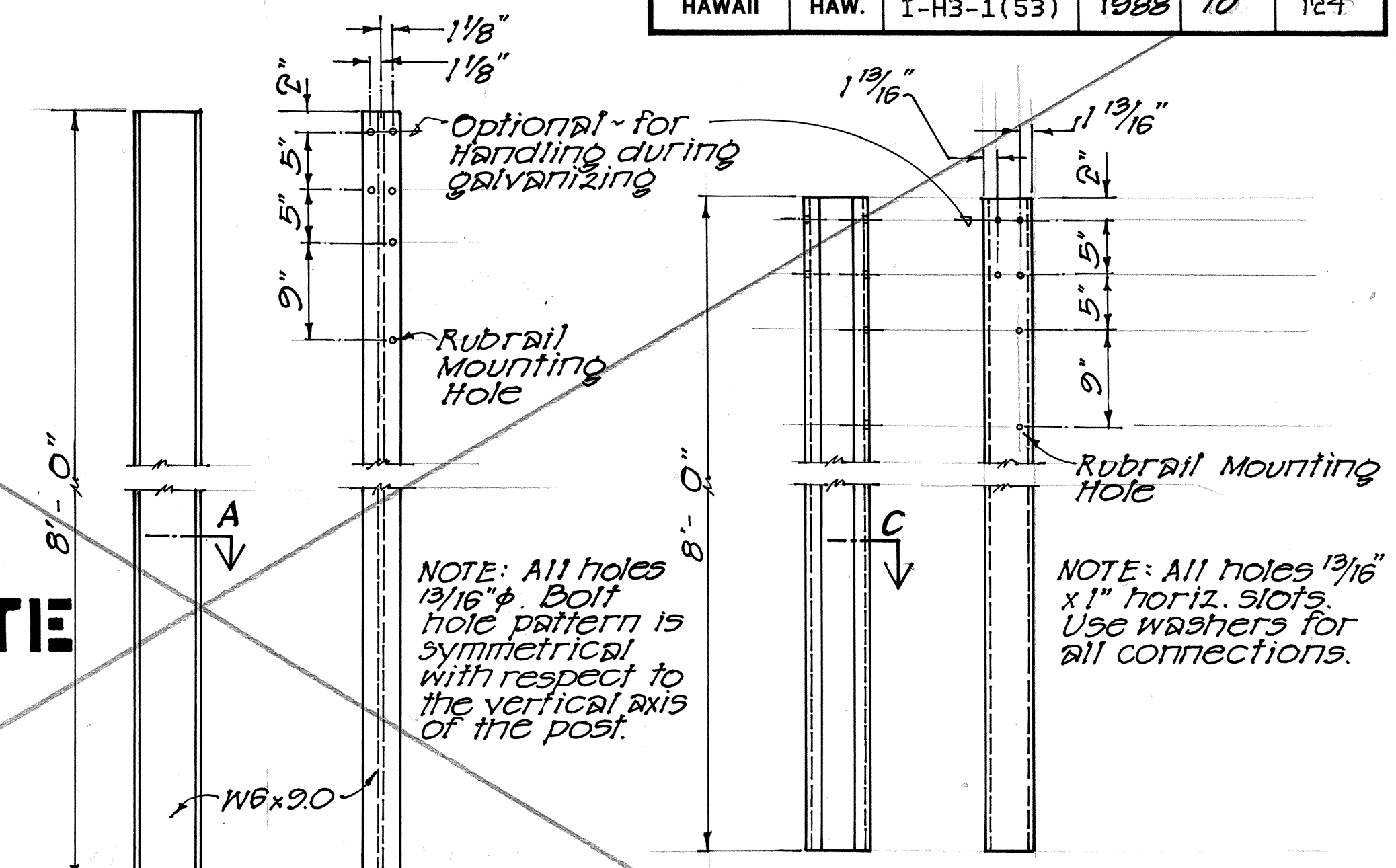
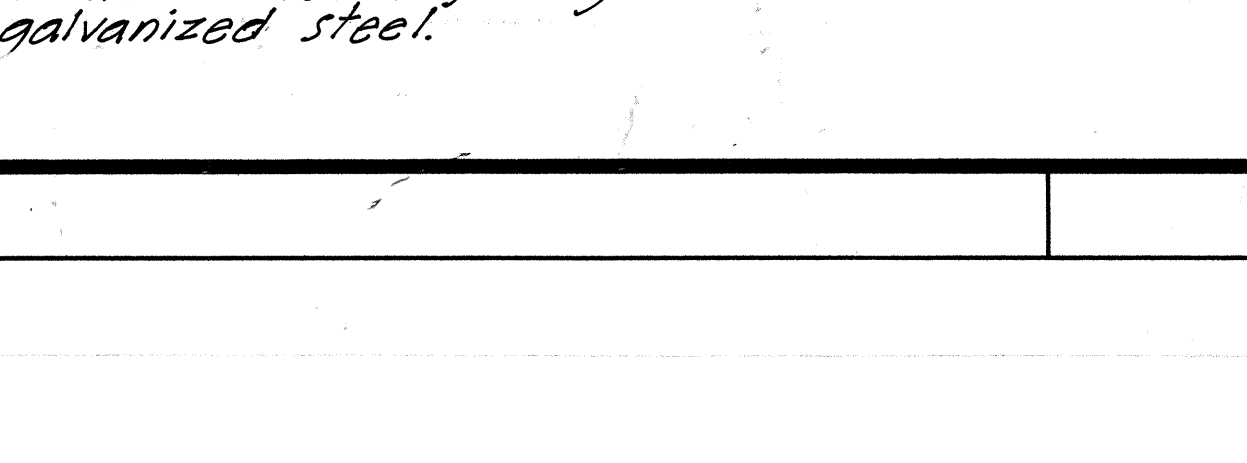
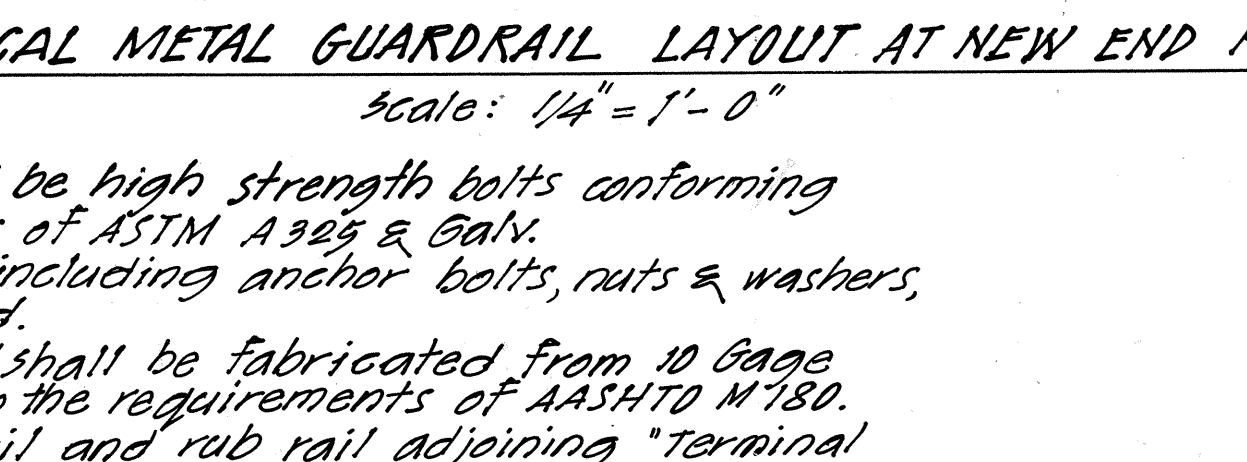
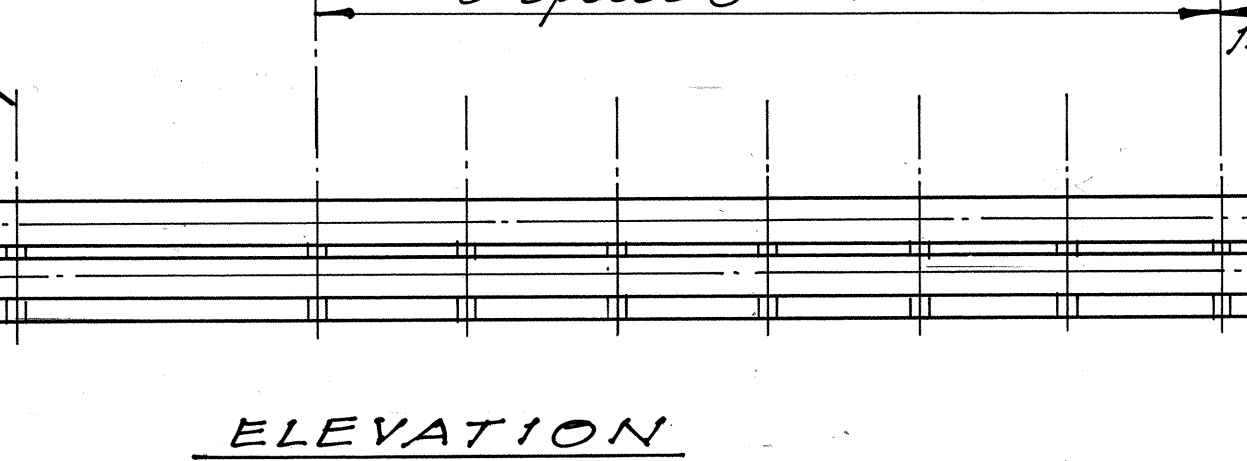
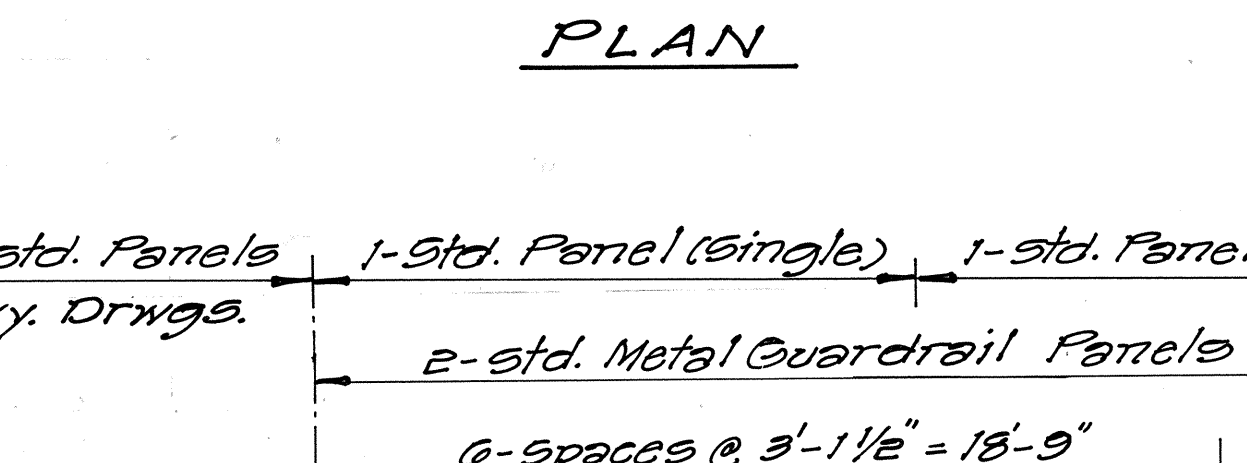
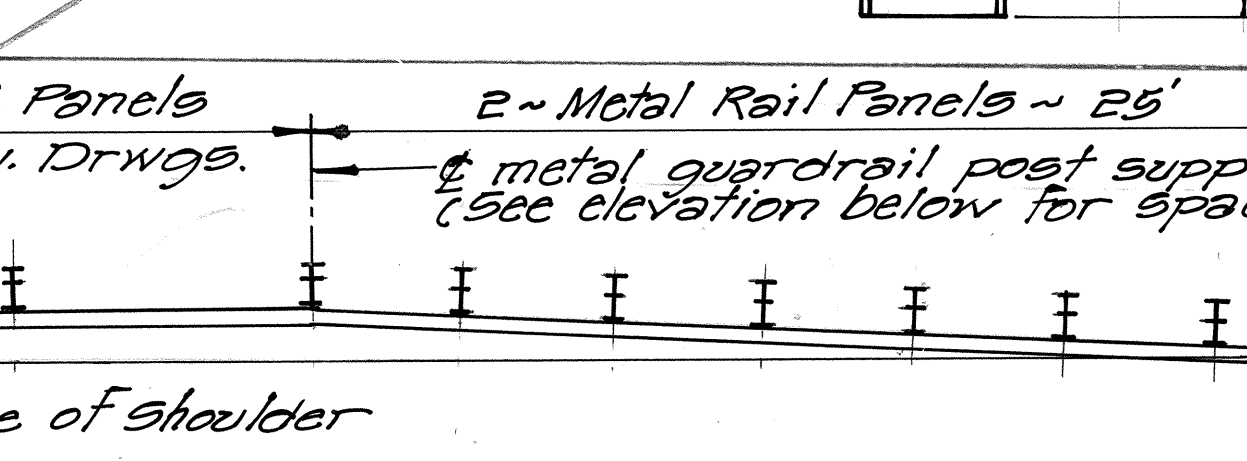
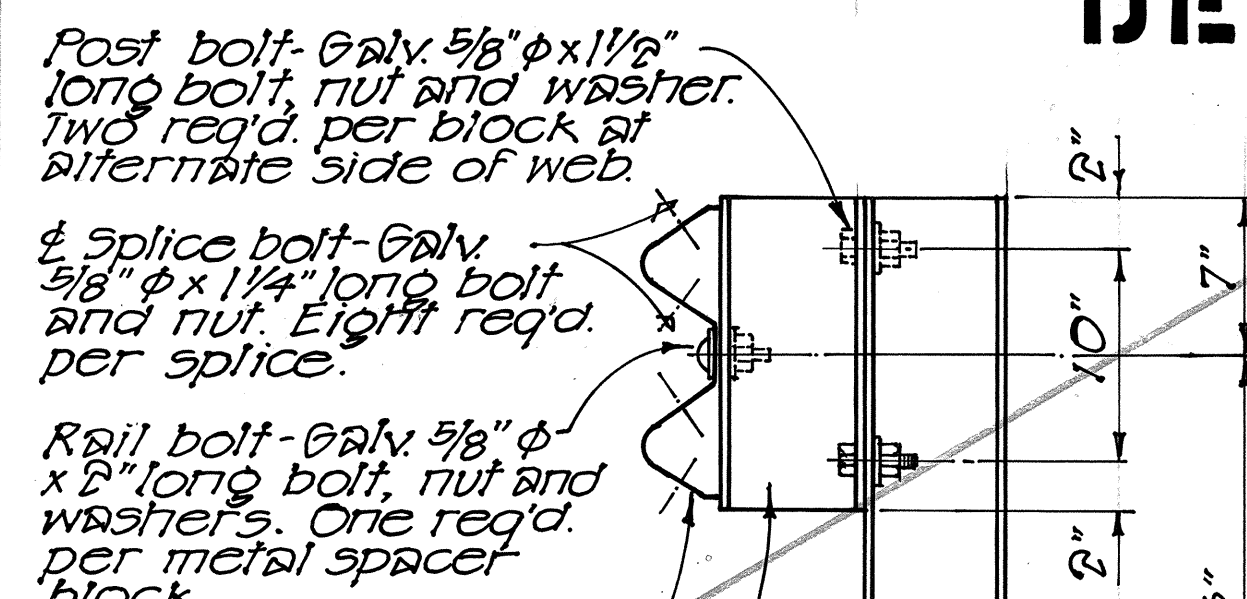
ELEVATION
TYPE "F-1" FLARE
Not To Scale



TERMINAL CONNECTOR DETAIL
Not To Scale



PLAN



- NOTES:
- All anchor bolts shall be high strength bolts conforming to the requirements of ASTM A325 & Galv.
 - Terminal Connector including anchor bolts, nuts & washers, shall be galvanized.
 - Terminal Connector shall be fabricated from 10 Gage steel conforming to the requirements of AASHTO M180.
 - First 25' of guardrail and rub rail adjoining Terminal Connector shall be galvanized steel.

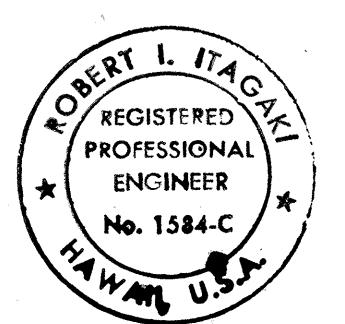
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

METAL GUARDRAIL END FLARE DETAILS

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(53)

SCALE: AS NOTED DATE: AUG., 1988

SHEET No. 2 OF 3 SHEETS



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Robert L. Itagaki

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - I (53)	1988	//	124

Standard Plan No.	Title	Date
B-01	Notes and Miscellaneous Details	07/01/86
B-02		
B-03	Typical Structure Excavation and Backfill Pay Limits	07/01/86
B-04		
B-05		
B-06	Concrete Box Girder	07/01/86
B-07	Concrete Box Girder	07/01/86
B-08	Concrete Box Girder	07/01/86
B-09		
B-10		
B-11		
B-12	Prestressed Concrete Piles	07/01/86
B-13	Prestressed Concrete Piles	07/01/86

D-01	Chain Link Fence With Toprail	03/06/87
D-02	Chain Link Fence Without Toprail	07/01/86
D-03	Wire Fence With Metal Posts	07/01/86
D-04	Typical Details of Curbs and/or Gutters	07/01/86
D-05	Typical Details of Reinforced Concrete Drop Driveway	07/01/86
D-06	● Centerline and Reference Survey Monument	07/01/86
D-07	Street Survey Monument	07/01/86
D-08	Landscaping Shrub and Tree Planting	07/01/86
D-09	● Field Office	07/01/86
D-10	● Field Office	07/01/86
D-11	● Project Site Laboratory	07/01/86
D-12	● Project Site Laboratory	07/01/86
D-13	● Field Office & Project Site Laboratory	07/01/86

H-01	Type A, B, C and D Catch Basin	07/01/86
H-02	Type A1, B1, C1 and D1 Catch Basin	07/01/86
H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
H-04	Typical Reinforcing Details for Catch Basins	07/01/86
H-05	Type A, B and C Storm Drain Manhole	07/01/86
H-06	Type D and E Storm Drain Manhole	07/01/86
H-07	● Type F Storm Drain Manhole	07/01/86
H-08	● Catch Basin and Manhole Casting	07/01/86
H-09	Type A-9 and A-9P Frames and Grates	07/01/86
H-10	● Type A-9B Frames and Grates	07/01/86
H-11	Type 61614 and 61214 Grated Drop Inlet	07/01/86
H-12	Type 61616 Grated Drop Inlet	07/01/86
H-13	61214, 61614 & 61616 Steel Frames and Grates	07/01/86
H-14	61214B Steel Frame and Grates	07/01/86
H-15	● 61614B Steel Frame and Grates	07/01/86
H-16	Concrete and Cement Rubble Masonry Structures	07/01/86
H-17	Inlet Structures	07/01/86
H-18	Flared End Section for Culverts	07/01/86
H-19	Outlet Structures	07/01/86
H-20	Concrete Spillway Inlet	07/01/86
H-21	18" Slotted C. M. P. Drain	07/01/86
H-22	● C. M. P. Coupling Details Standard Joint	07/01/86
H-23	Hat Shaped Coupling Band	07/01/86

Standard Plan No.	Title	Date
TE-01	Miscellaneous Sign Details	07/01/86
TE-02	Galvanized Flanged Channel Sign Post Mounting	07/01/86
TE-03	Galvanized Square Tube Sign Post Mounting	07/01/86
TE-04	Regulatory Signs	09/01/87
TE-05	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	09/01/87
TE-07	Reserved	07/01/86
TE-08	Construction Signs	09/01/87
TE-09	Miscellaneous Intersection Signs	03/06/87
TE-10	Reserved	07/01/86
TE-11	Bike Route Sign and Supplementary Plates	07/01/86
TE-12	State Route Marker and Auxiliary Markers	07/01/86
TE-13	Interstate Route Marker	07/01/86
TE-14	State Route Marker and Border Detail for Guide Signs	07/01/86
TE-15	Route Marker Assemblies	07/01/86
TE-16	Miscellaneous Reflector Markers	07/01/86
TE-17	Type II Object Markers	07/01/86
TE-18	Mileposts	07/01/86
TE-19	Reserved	07/01/86
TE-20	Overhead Sign Supports	07/01/86
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/86
TE-22	Foundation Details and Schedules	07/01/86
TE-23	Destination & Ground Mounted Expressway Signs	07/01/86
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/86
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/86
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/86
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/86
TE-28	Guide Signs Luminaire Mountings	07/01/86
TE-29	Reserved	07/01/86
TE-30	Raised Pavement Markers and Striping	07/01/86
TE-31	Miscellaneous Pavement Markings	07/01/86
TE-32	Miscellaneous Pavement Markings	09/01/87
TE-33	Miscellaneous Pavement Markings	07/01/86
TE-34	Reserved	07/01/86
TE-35	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-36	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-37	Reserved	07/01/86
TE-38	Traffic Signal System, Miscellaneous Details	07/01/86
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	03/06/87
TE-41	Pullboxes	07/01/86
TE-42	Type III Traffic Signal Standard	07/01/86
TE-43	Concrete Pullbox (2' x 3')	07/01/86
TE-44	Reserved	07/01/86

Standard Plan No.	Title	Date
TE-45	Reserved	07/01/86
TE-46	Reserved	07/01/86
TE-47	Reserved	07/01/86
TE-48	Reserved	07/01/86
TE-49	Reserved	07/01/86
TE-50	● Metal Guardrail	03/06/87
TE-51	● Metal Guardrail	09/01/87
TE-52	● Metal Guardrail with Rubrail	07/01/86
TE-53	Metal Guardrail with Rubrail at Obstruction	09/01/87
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	09/01/87
TE-55	● Metal Guardrail Connection to Concrete Barrier	09/01/87
TE-56	Concrete Barrier Transition	07/01/86
TE-57	Guardrail Type 3, Thrie Beam	09/01/87
TE-58	● Approach End Flare, One & Two Way Roadway	07/01/86
TE-59	● Trailing End Flare, One & Two Way Roadway	09/01/87
TE-60	● Anchor Block Details	07/01/86
TE-61	Breakaway Cable Terminal (BCT)	03/06/87
TE-62	Breakaway Cable Terminal (BCT)	09/01/87
TE-63	● Guardrail Type 4 (Rigid Barrier)	09/01/87
TE-64	● Portable Concrete Guardrail	03/06/87
TE-65	Guardrail Type 4, Miscellaneous	09/01/87
TE-66	● Barricades	07/01/86
TE-67	Delineation & Pavement Markings at Bridges	07/01/86
TE-68	Wheelchair Ramps	07/01/86
TE-69	Wheelchair Ramps	09/01/87

NOTE:
STANDARD PLANS APPLICABLE TO THIS
PROJECT ARE INDICATED BY A "●" NEXT TO
THE STANDARD PLAN NO. (D-07●)

09/01/87	REVISED STANDARD PLANS TE-04, TE-06, TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69.
03/06/87	REVISED STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 AND TE-64.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD PLANS SUMMARY

INTERSTATE ROUTE H-3

F.A.I. PROJ. NO. I - H3 - I (53)

SCALE: N.A. DATE: AUG., 1988

SHEET No. 3 OF 3 SHEETS

SURVEY PLOTTED BY _____ DATE _____

DRAWN BY _____

TRACED BY _____

NOTE BOOK _____

QUANTITIES BY _____

CHECKED BY _____

No. _____