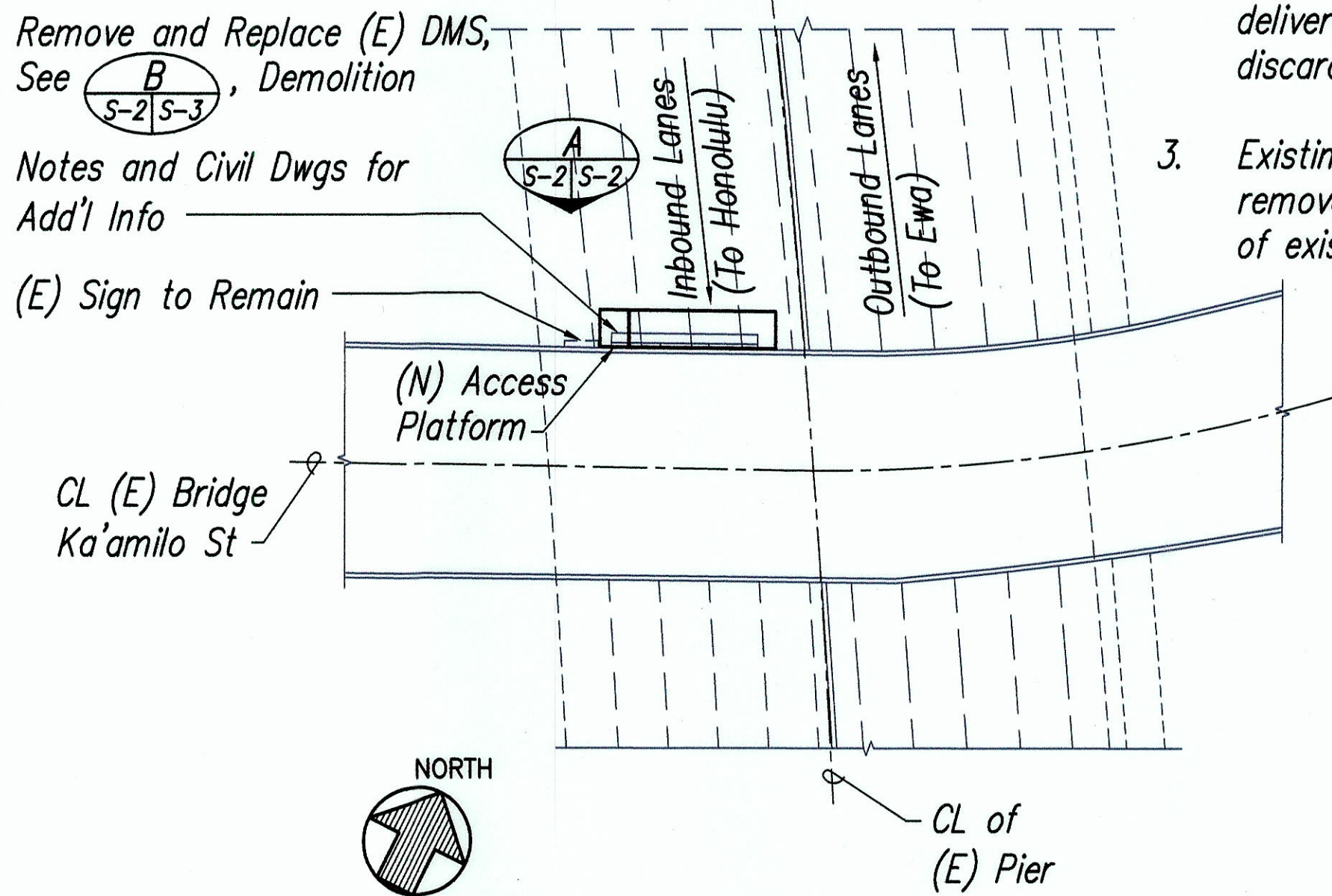
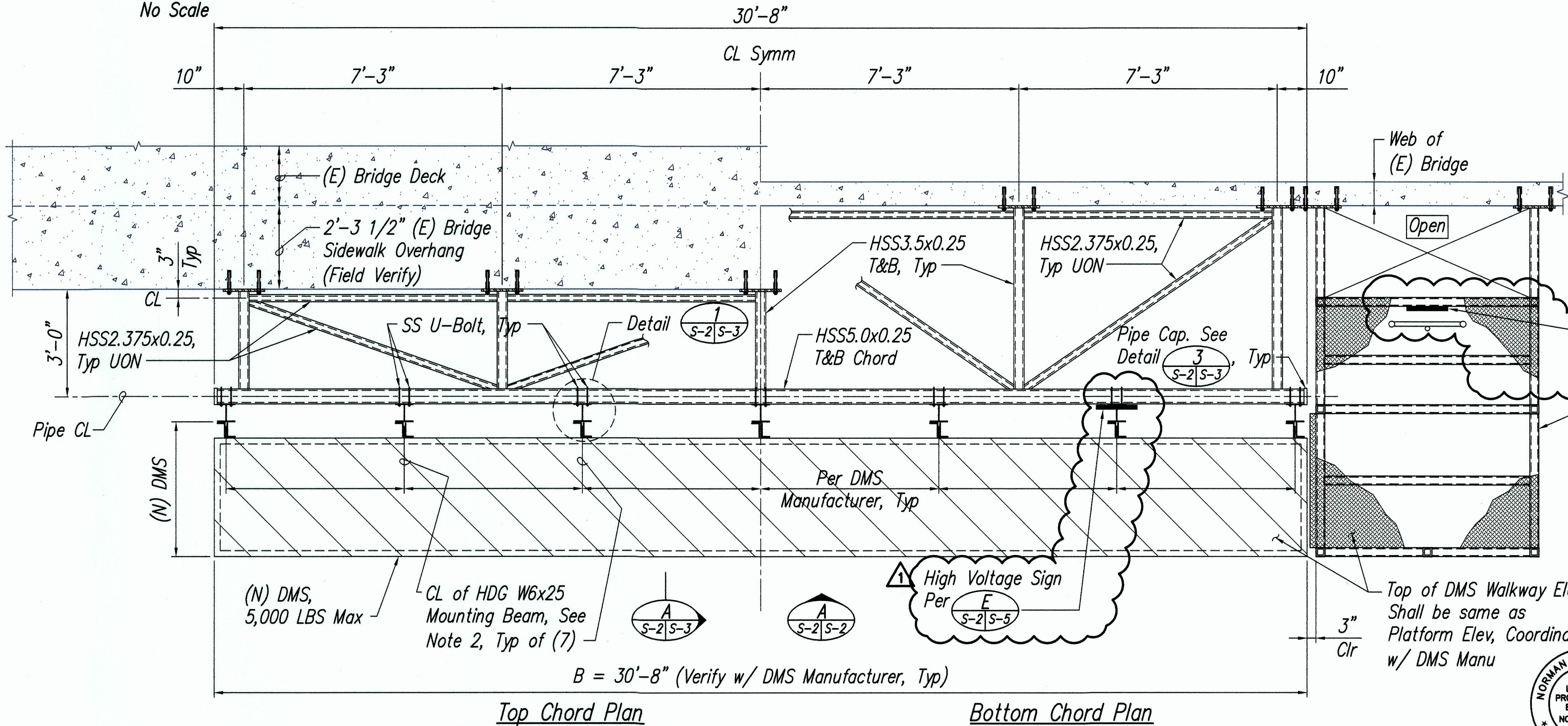
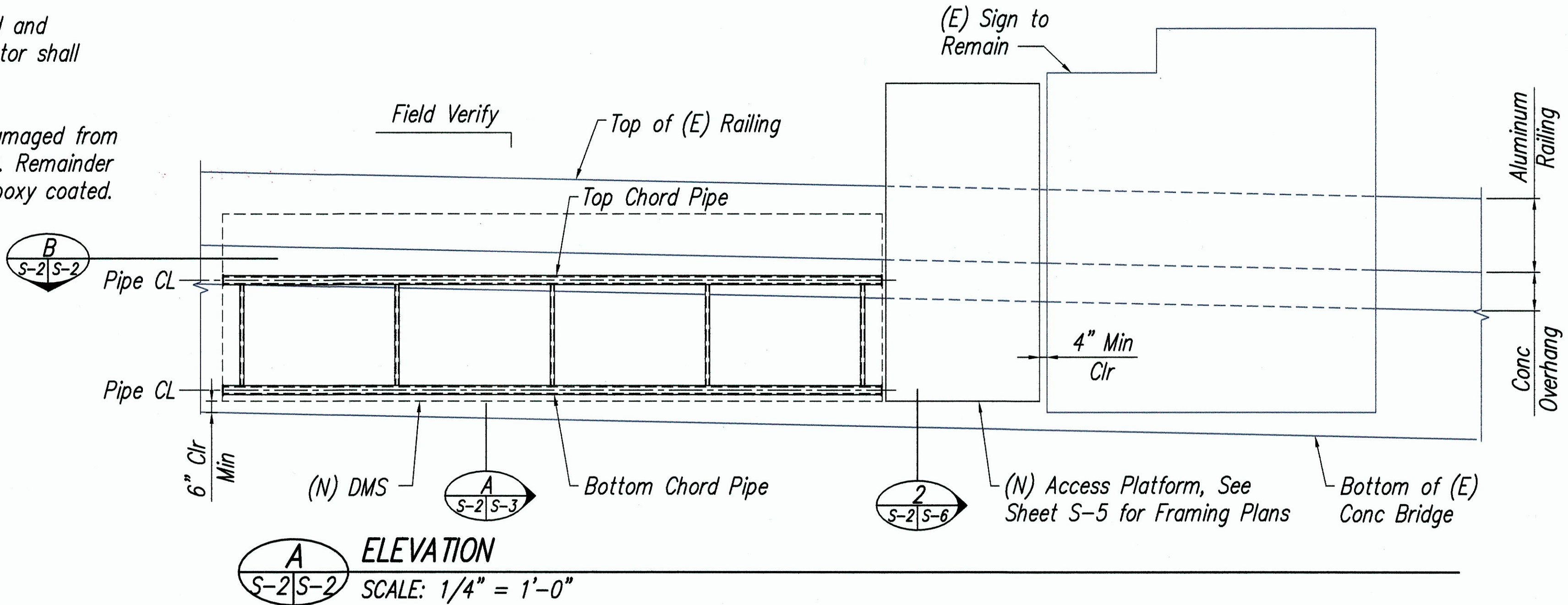


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-0300(117)	2009	12	42

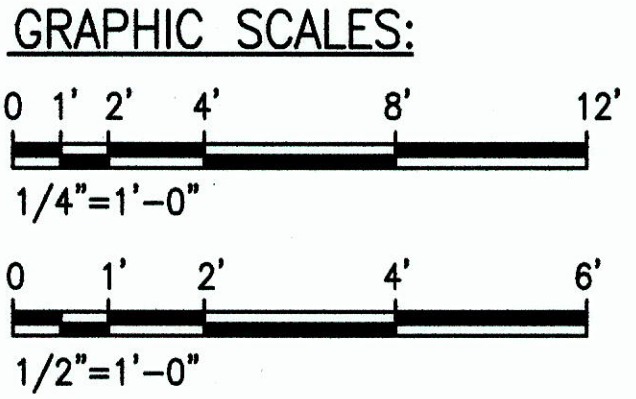
- Demolition Notes:**
- Contractor shall remove existing DMS and structural steel sign support.
 - Existing DMS sign shall not be damaged and delivered to DOT by Contractor. Contractor shall discard steel support structure.
 - Existing concrete bridge shall not be damaged from removal of structural steel sign support. Remainder of existing concrete anchors shall be epoxy coated.



KA'AMILO LOCATION PLAN
No Scale



- Note:**
- Prior to fabrication of sign support structure, the Contractor shall install the expansion Anchor Bolts in accordance with Sheet S-4 notes and bolt pattern as shown. The dimensions of sign support structure shall be verified with the Anchor Bolt installed in field.
 - Verify Mounting Beam locations with DMS Manufacturer.



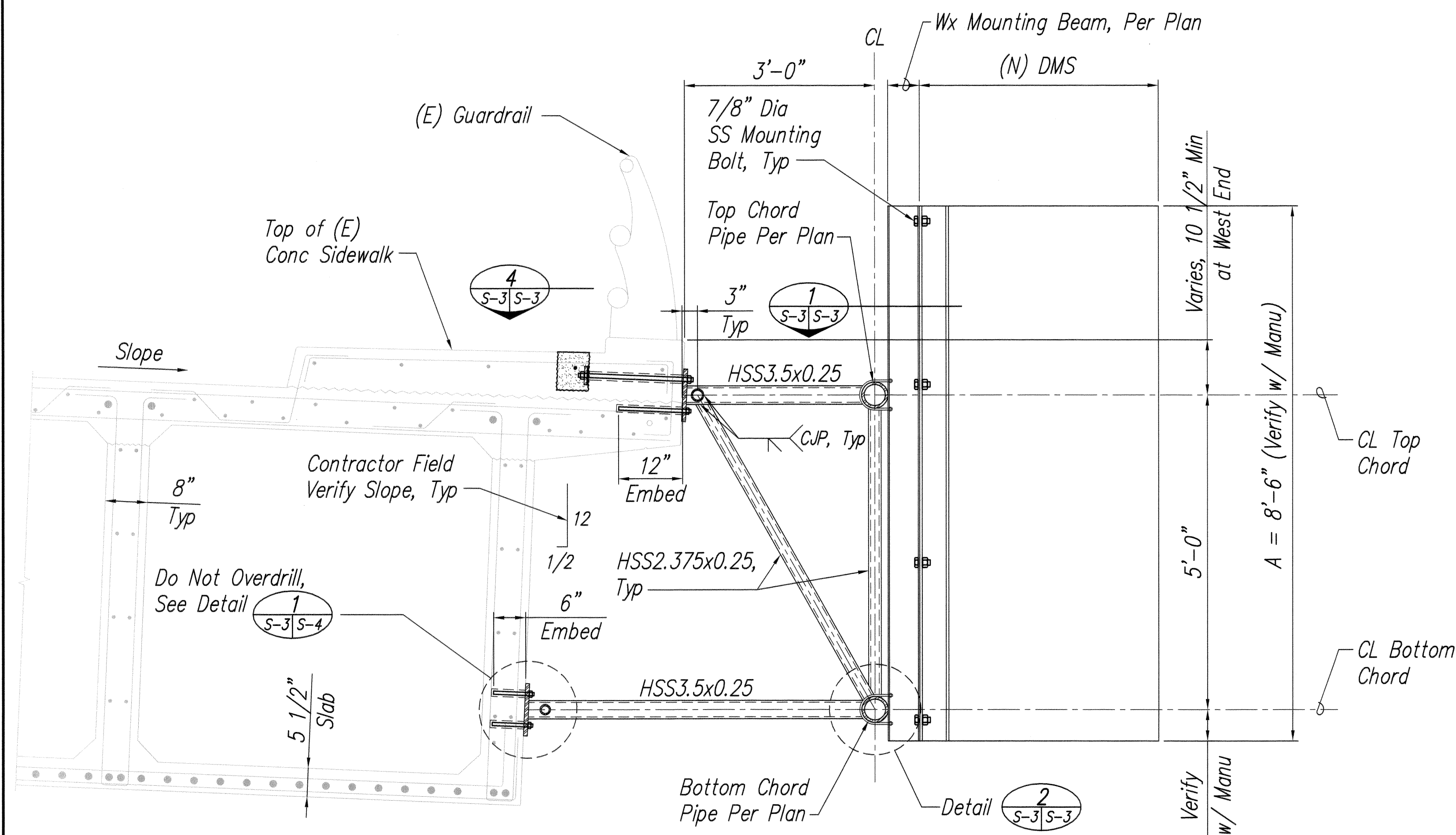
B PLAN - (N) DMS SUPPORT STRUCTURE AT KA'AMILO SEPARATION
S-2|S-2 SCALE: 1/2" = 1'-0"



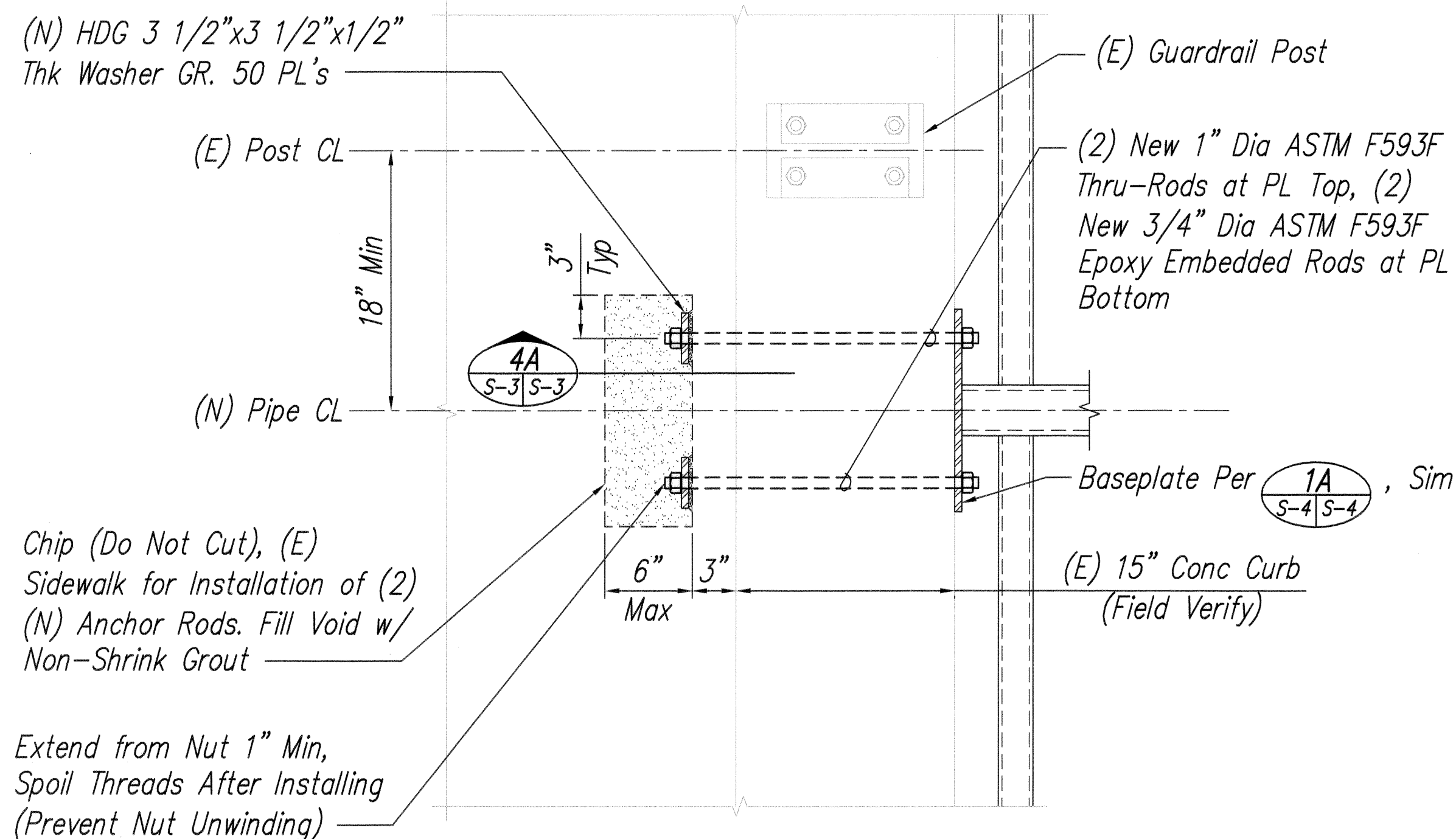
Added Signage	
05/13/13	
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KA'AMILO PLANS AND ELEVATION FREEWAY MANAGEMENT SYSTEM, PHASE 1B TRAVELER INFORMATION SYSTEM, UNIT 4B: DYNAMIC MESSAGE SIGN INSTALLATION - FEDERAL AID PROJECT NO. IM-0300(117) SCALE: AS NOTED DATE: 7-14-09	
SHEET No. S-2 OF 11 SHEETS	

"AS-BUILT"

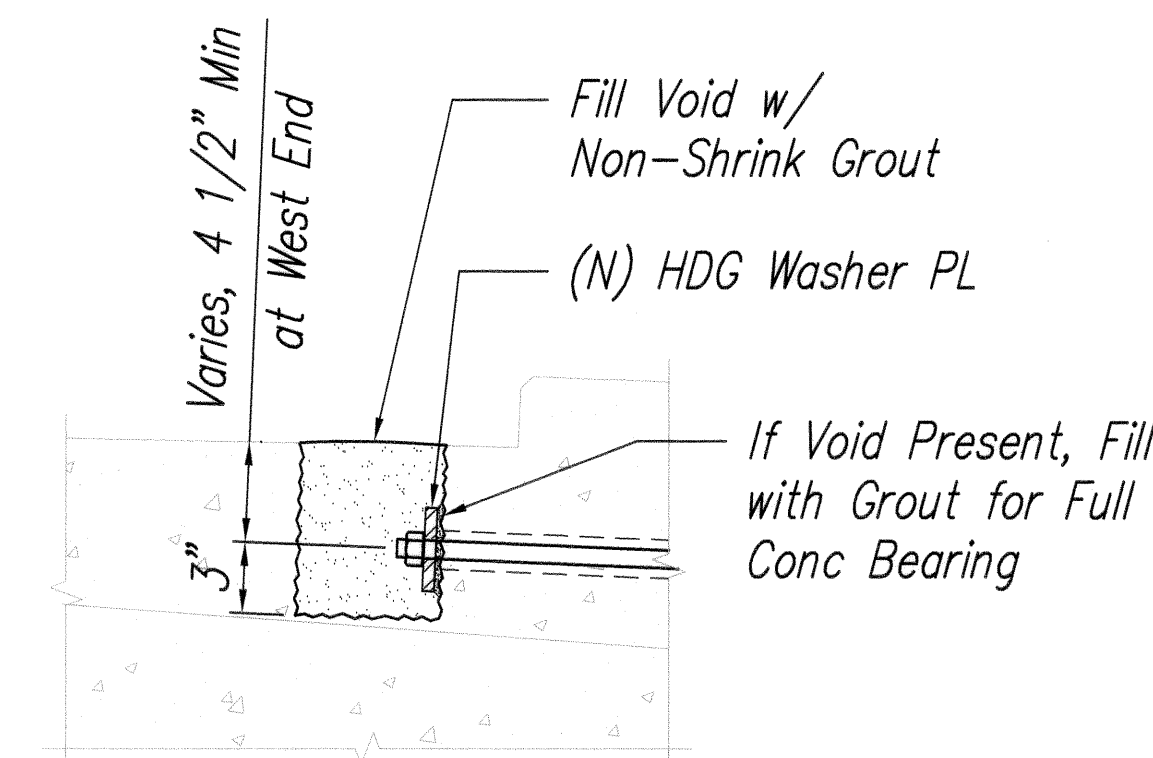
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-0300(117)	2009	13	42



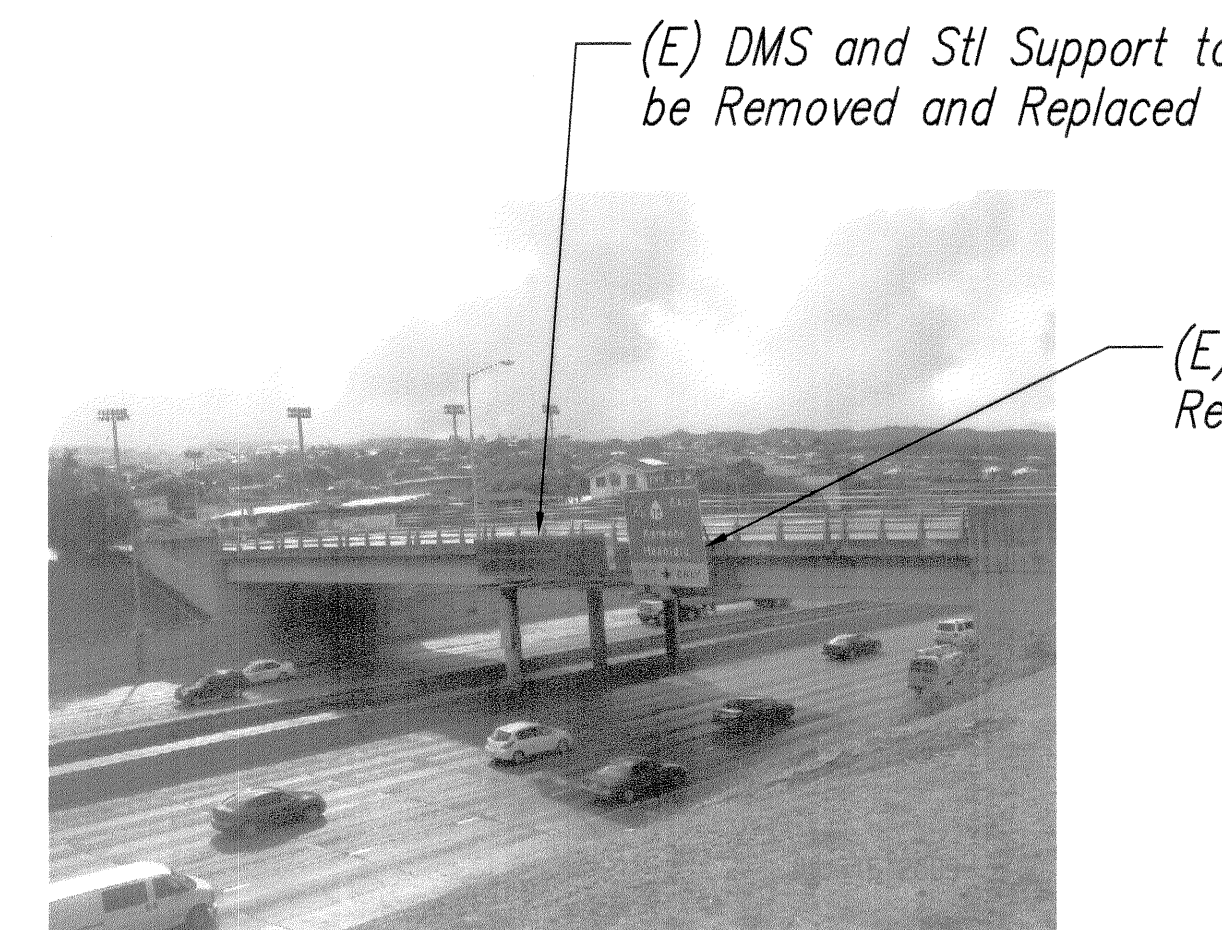
A KA'AMILO SECTION
S-2/S-3 SCALE: 3/4" = 1'-0"



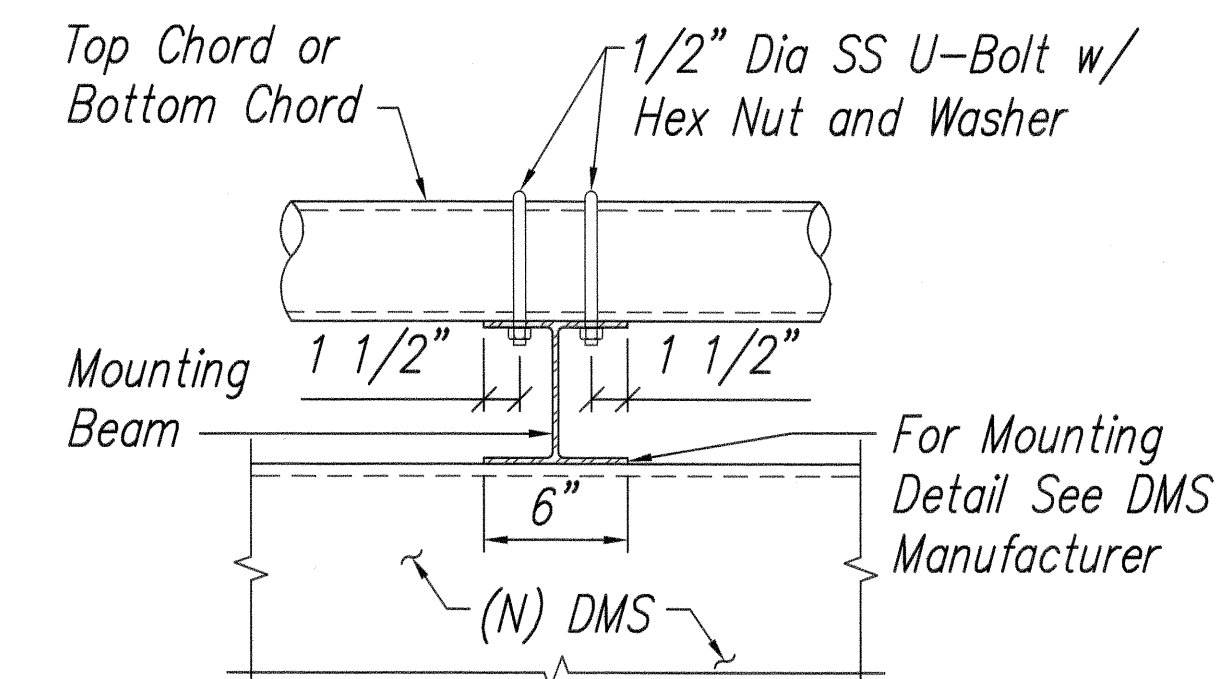
4 DETAIL
S-3/S-3 SCALE: 1 1/2" = 1'-0"



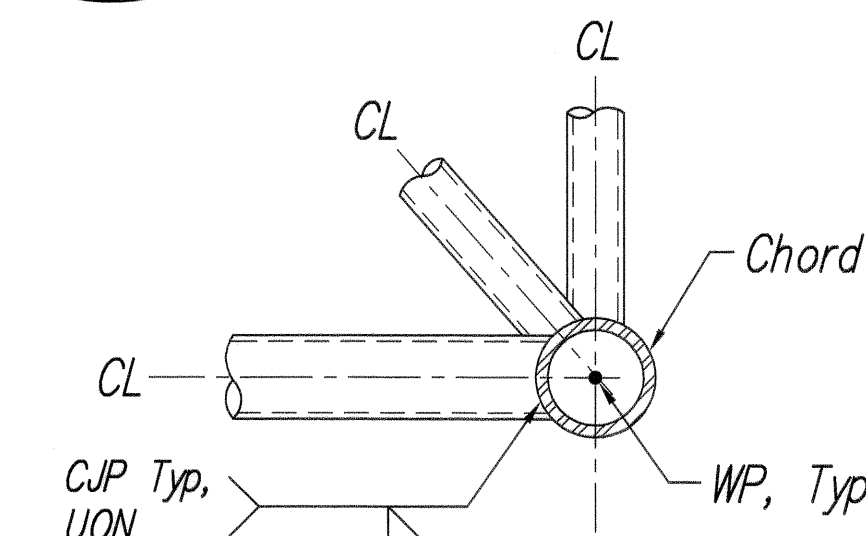
4A DETAIL
S-3/S-3 SCALE: 1 1/2" = 1'-0"



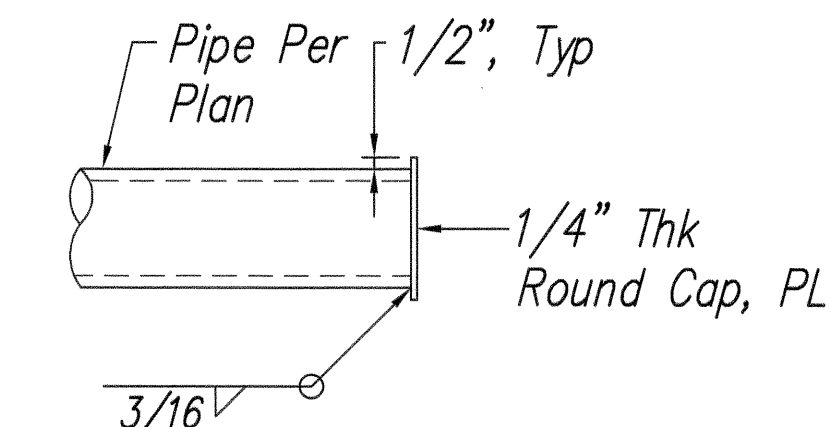
B PHOTOS - EXISTING DMS TO BE REMOVED
S-2/S-3 NO SCALE



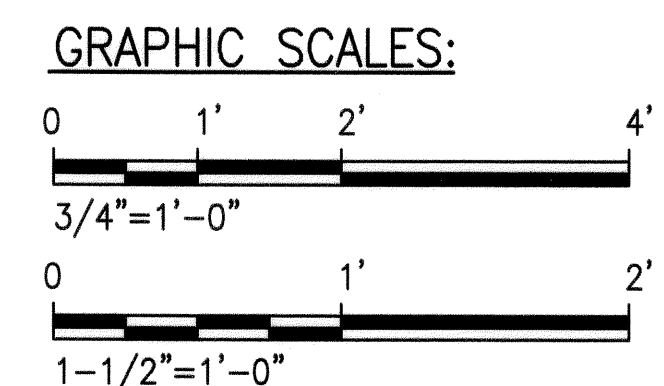
1 DETAIL
S-2,S-3,S-7,S-8/S-3 SCALE: 1 1/2" = 1'-0"



2 DETAIL
S-3,S-8/S-3 SCALE: 1 1/2" = 1'-0"



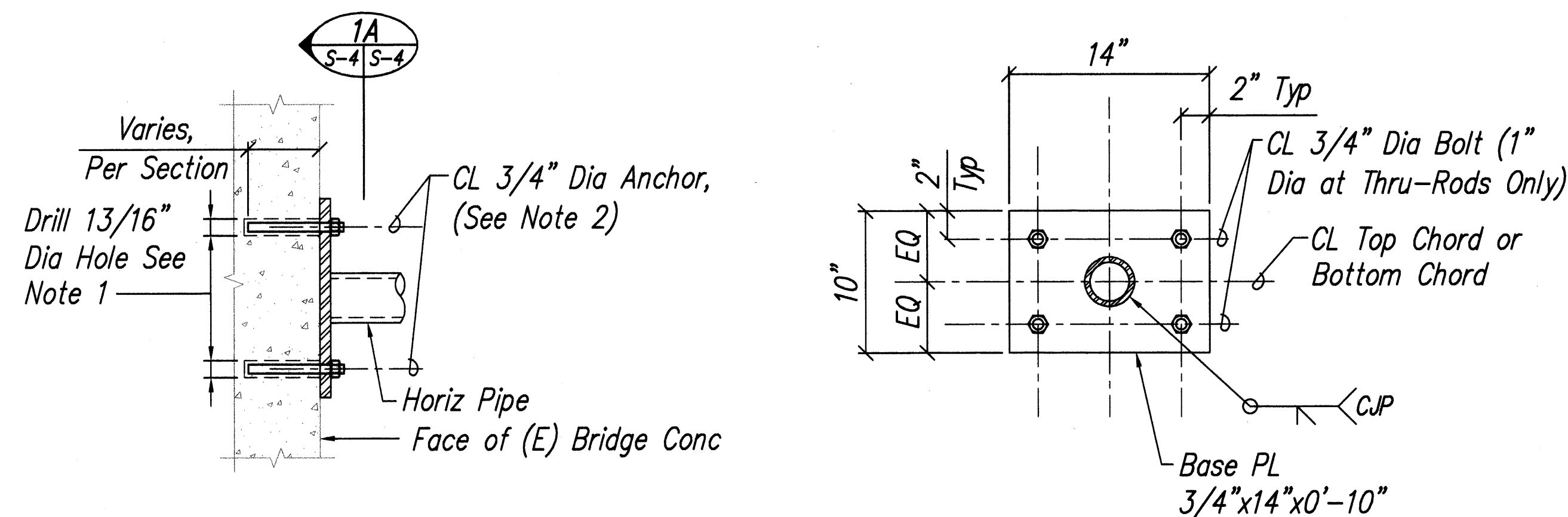
3 CHORD CAP DETAIL
S-2,S-7/S-3 SCALE: 1 1/2" = 1'-0"



Norman K. Nagamine
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KA'AMILO DETAILS
FREeway MANAGEMENT SYSTEM, PHASE 1B
TRAVELER INFORMATION SYSTEM, UNIT 4B:
DYNAMIC MESSAGE SIGN INSTALLATION -
FEDERAL AID PROJECT NO. IM-0300(117)
SCALE: AS NOTED DATE: 7-14-09
SHEET No. S-3 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-0300(117)	2009	14	42

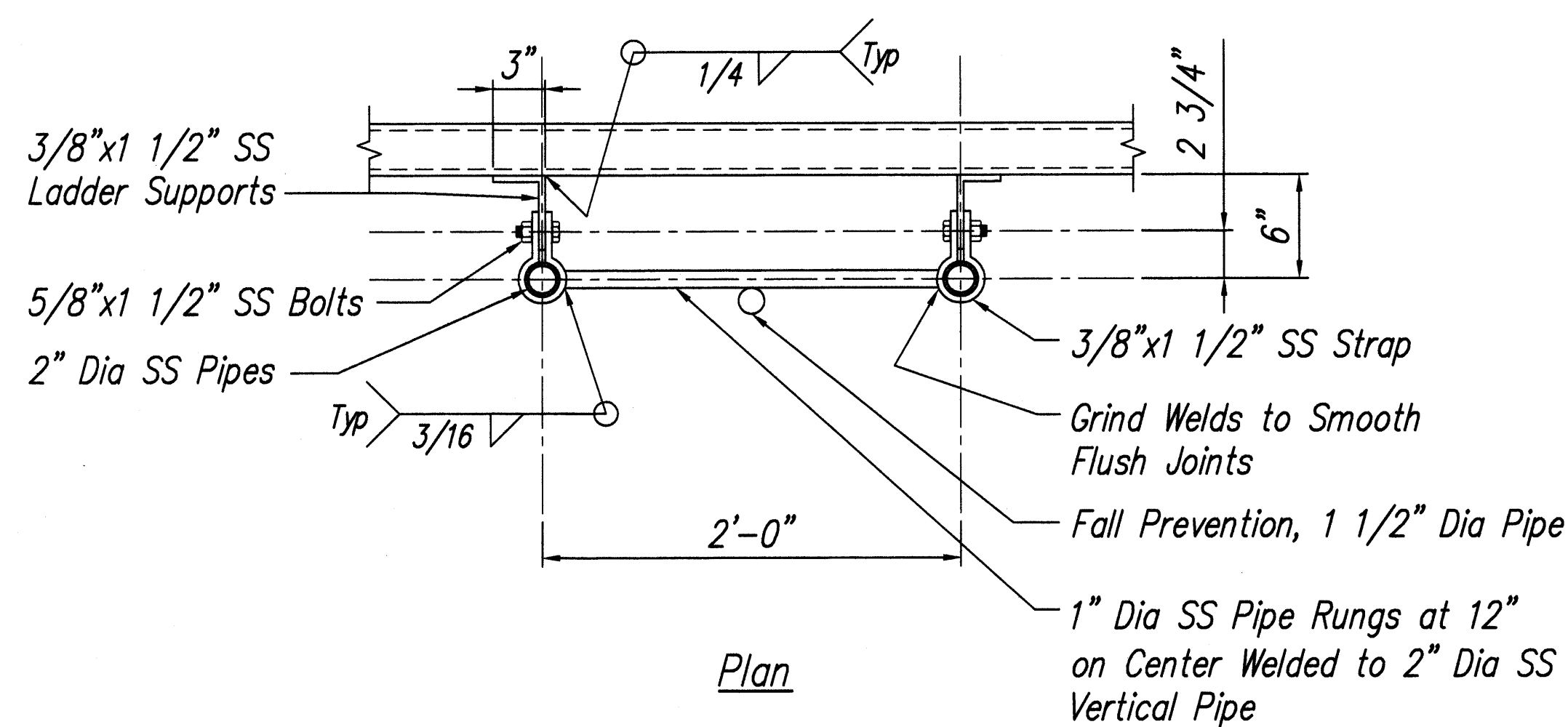


Notes:

1. Drill 13/16" Dia hole into existing bridge concrete and install 3/4" Dia anchor rod. The holes for anchors shall be drilled perpendicular to the existing concrete surfaces. If the drill contacts an existing rebar, the hole shall be filled with epoxy grout and a replacement hole shall be drilled so that the anchor bolt pattern is maintained. The Contractor shall avoid cutting existing rebars. The epoxy embedded anchors shall be installed as per requirement of manufacturer.
2. It is the Contractor's option to use oversized or slotted base plate holes. If oversize or slotted hole is used, 2"x2"x1/4" Thk washer plate shall be welded to base plate with 1/4" fillet welds on all sides. Remove galvanizing to bare steel at welds per AWS D1.1 requirements.

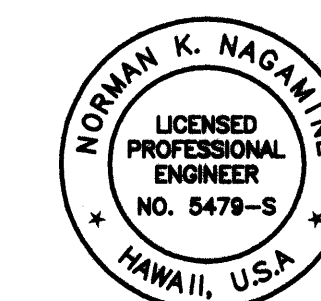
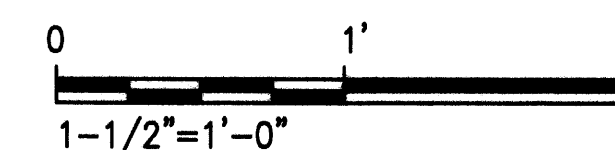
1 **DETAIL**
S-3,S-8|S-4 SCALE: 1 1/2" = 1'-0"

1A **DETAIL**
S-3,S-4|S-4 SCALE: 1 1/2" = 1'-0"



2 **TYPICAL LADDER DETAIL**
S-5,S-6,S-9,S-10|S-4 SCALE: 1 1/2" = 1'-0"

GRAPHIC SCALES:



Norman K. Nagamine
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

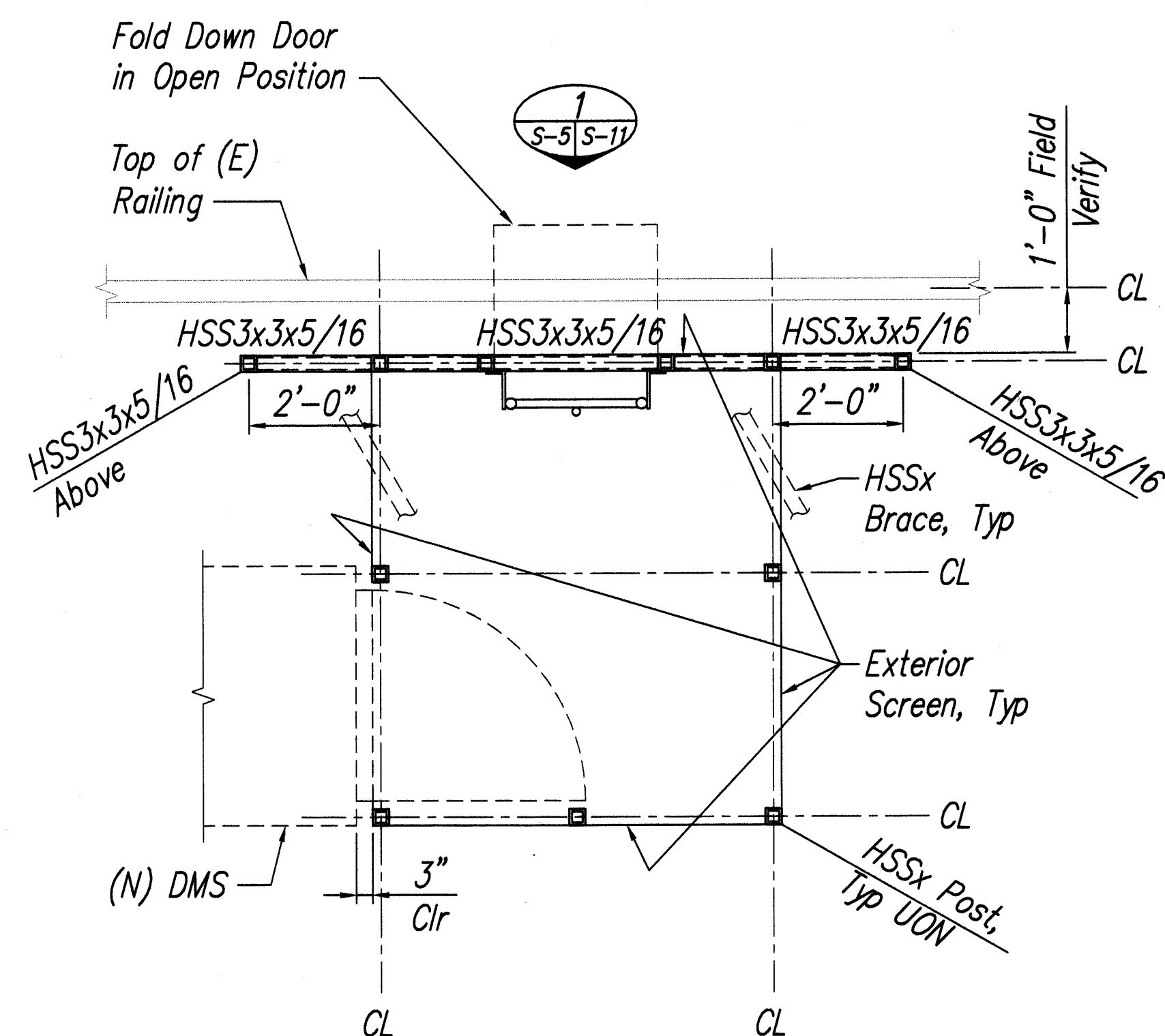
DETAILS

FREWAY MANAGEMENT SYSTEM, PHASE 1B
TRAVELER INFORMATION SYSTEM, UNIT 4B:
DYNAMIC MESSAGE SIGN INSTALLATION -
FEDERAL AID PROJECT NO. IM-0300(117)

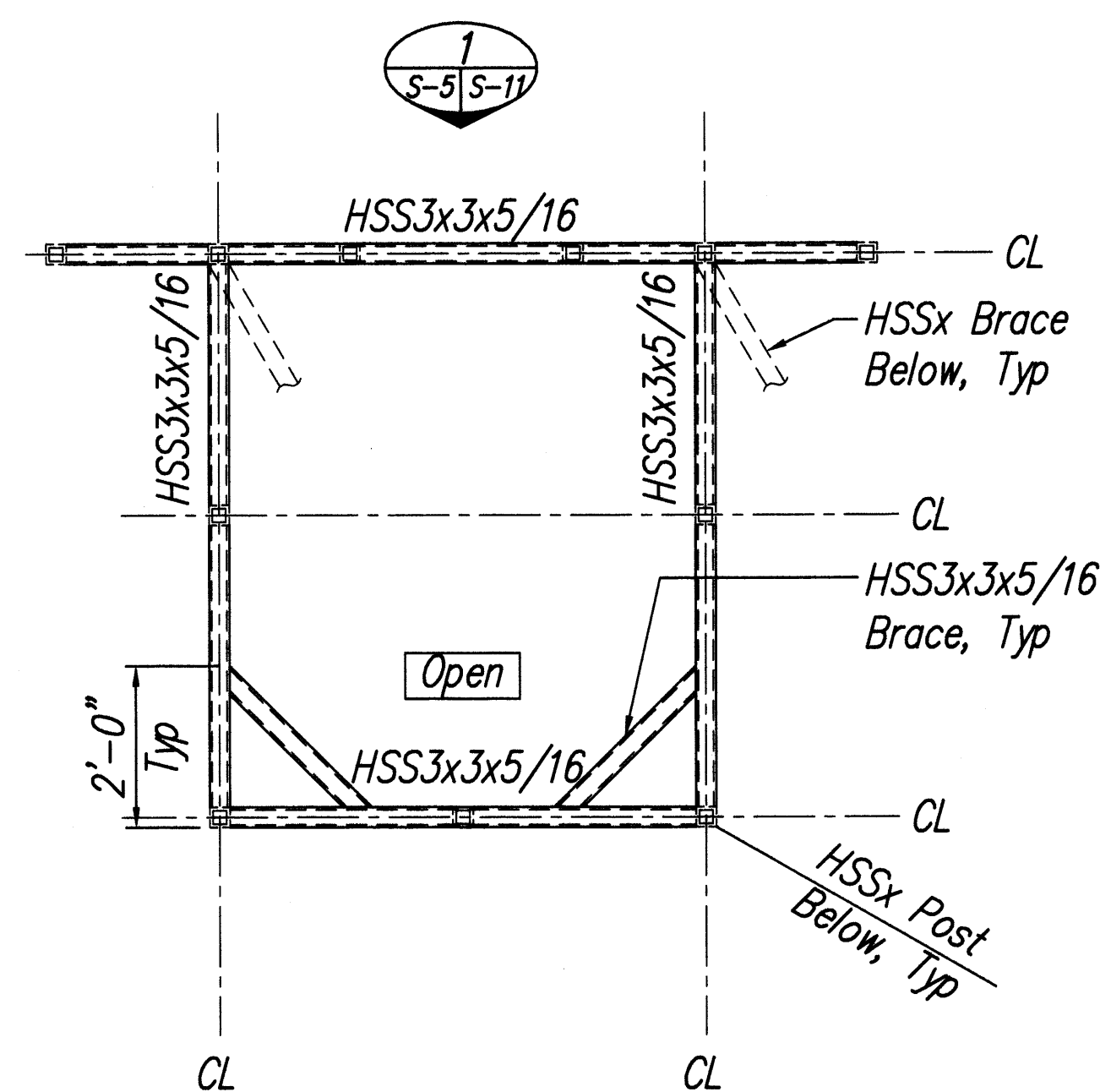
SCALE: AS NOTED DATE: 7-14-09

SHEET No. S-4 OF 11 SHEETS

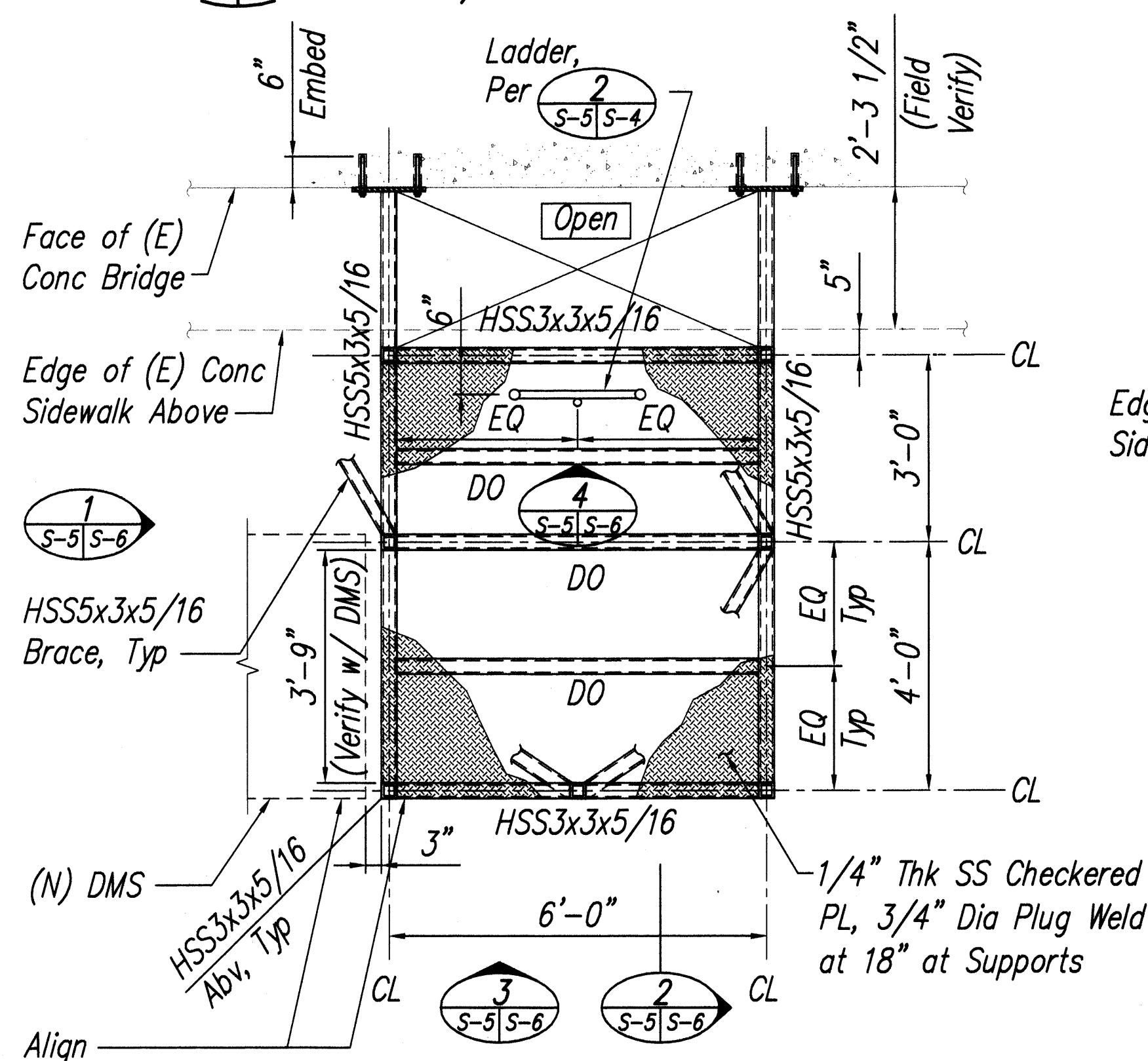
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-0300(117)	2009	15	42



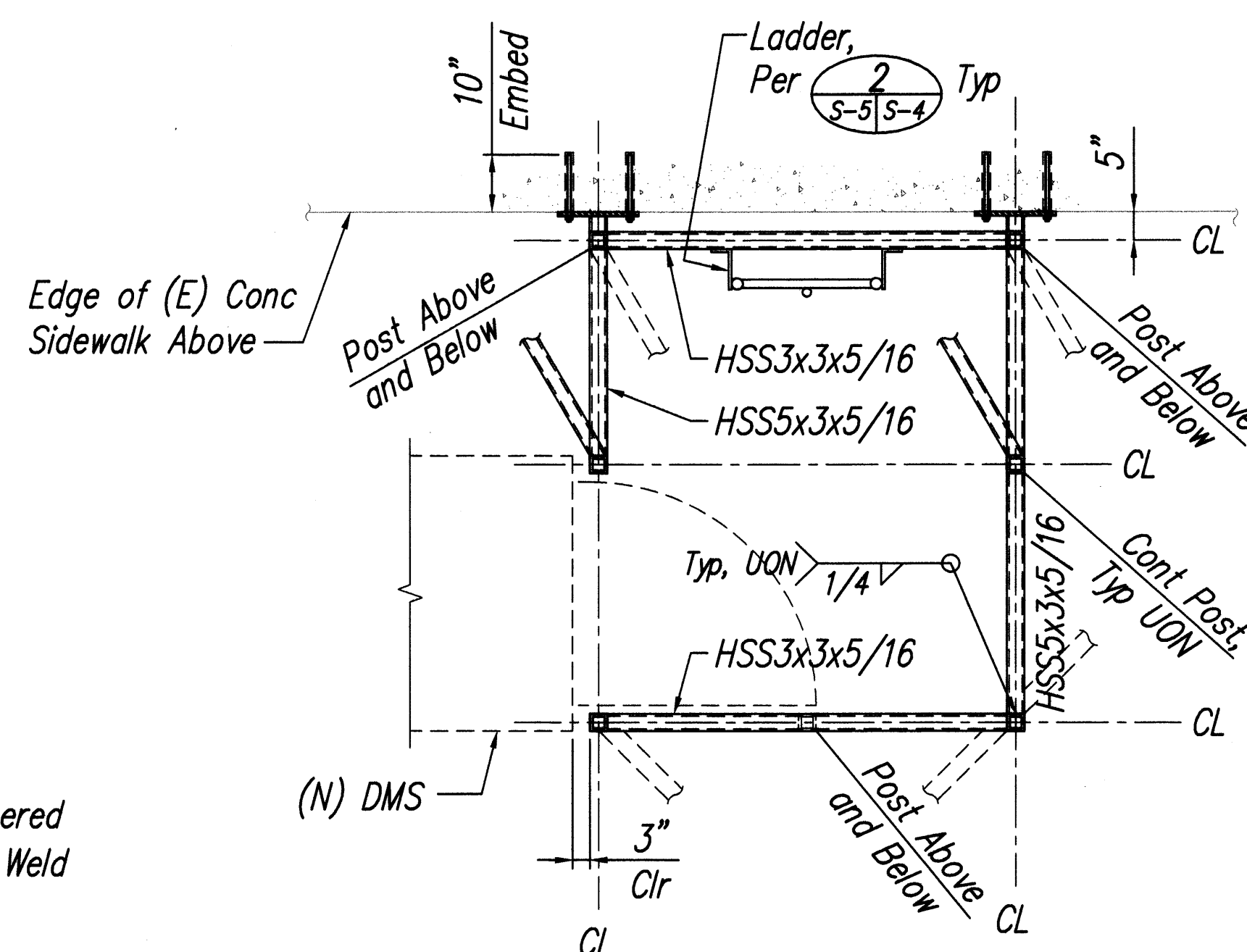
**NEW ACCESS PLATFORM -
PLAN AT ENTRY LEVEL**
S-2,S-6|S-5 SCALE: 1/2" = 1'-0"



**NEW ACCESS PLATFORM -
PLAN AT ROOF LEVEL**
S-2,S-6|S-5 SCALE: 1/2" = 1'-0"

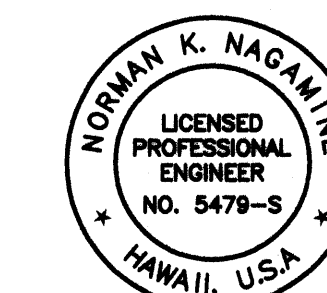
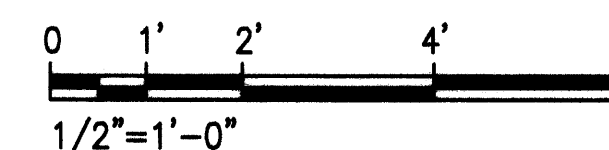


**NEW ACCESS PLATFORM -
PLAN AT PLATFORM LEVEL**
S-2,S-6|S-5 SCALE: 1/2" = 1'-0"



**NEW ACCESS PLATFORM -
PLAN AT EXISTING SIDEWALK LEVEL**
S-2,S-6|S-5 SCALE: 1/2" = 1'-0"

GRAPHIC SCALES:



Norman K. Nagamine
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

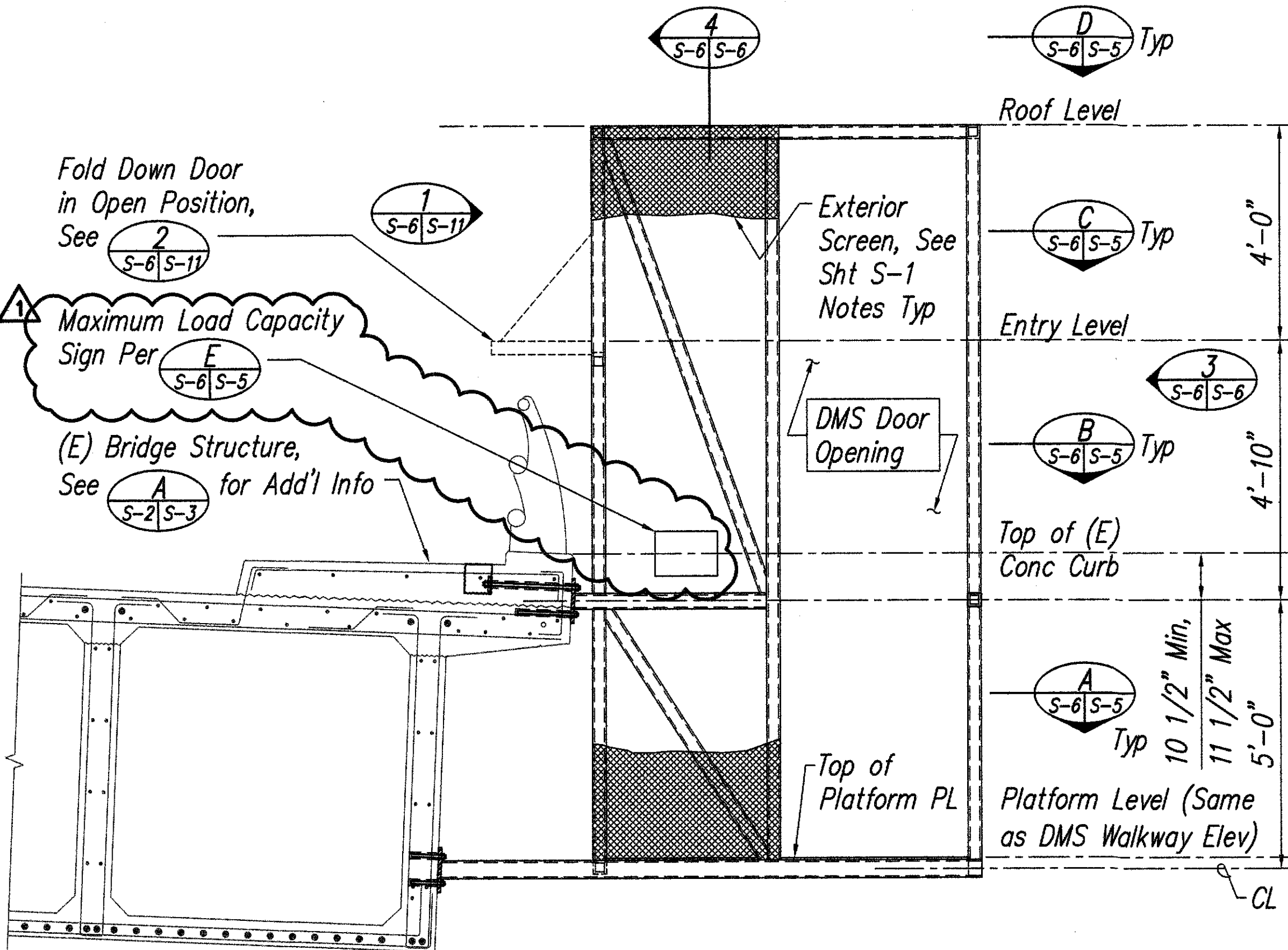
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
KA'AMILO DETAILS

FREeway MANAGEMENT SYSTEM, PHASE 1B
TRAVELER INFORMATION SYSTEM, UNIT 4B:
DYNAMIC MESSAGE SIGN INSTALLATION -
FEDERAL AID PROJECT NO. IM-0300(117)

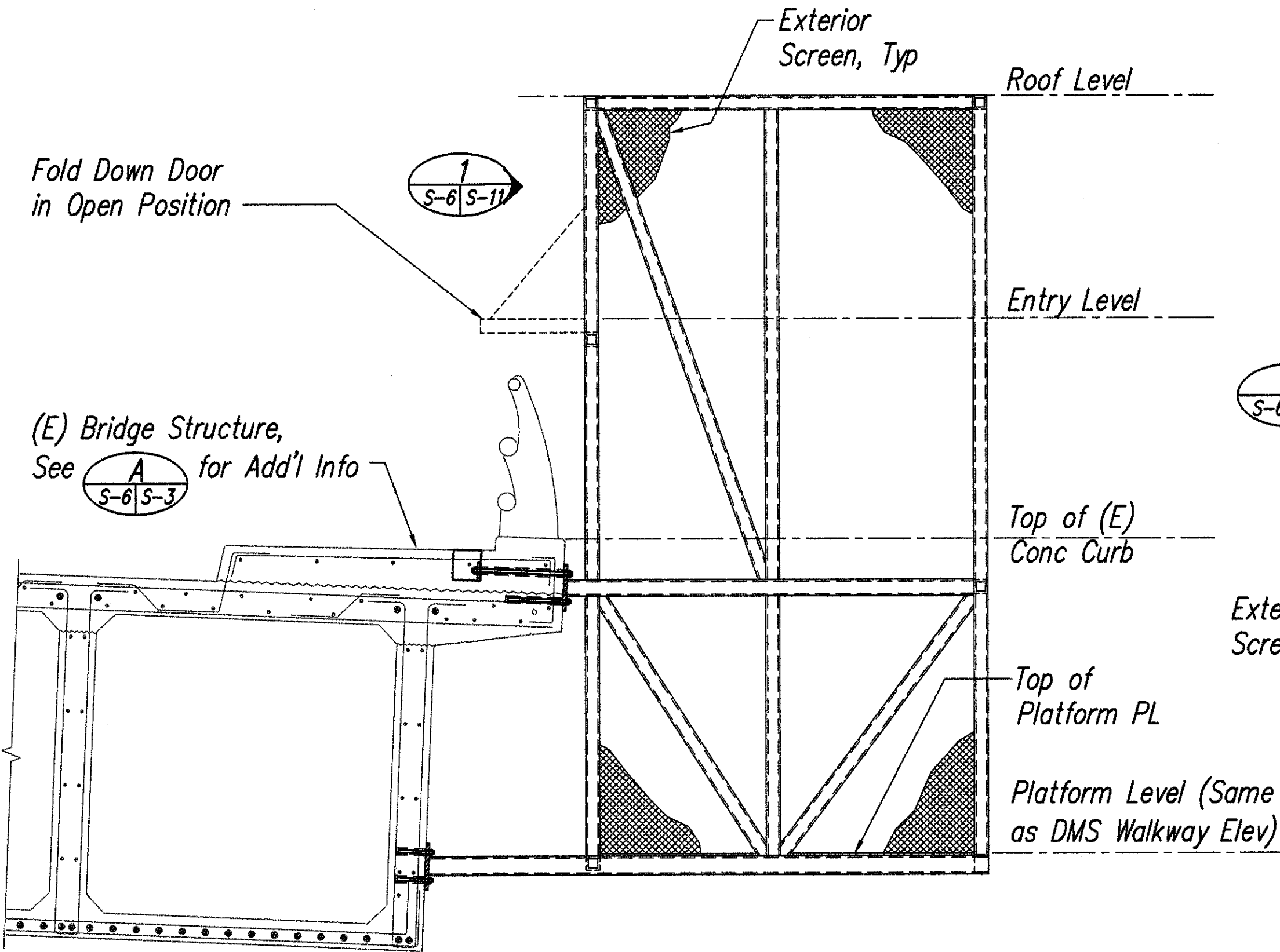
SCALE: AS NOTED DATE: 7-14-09

SHEET No. S-5 OF 11 SHEETS

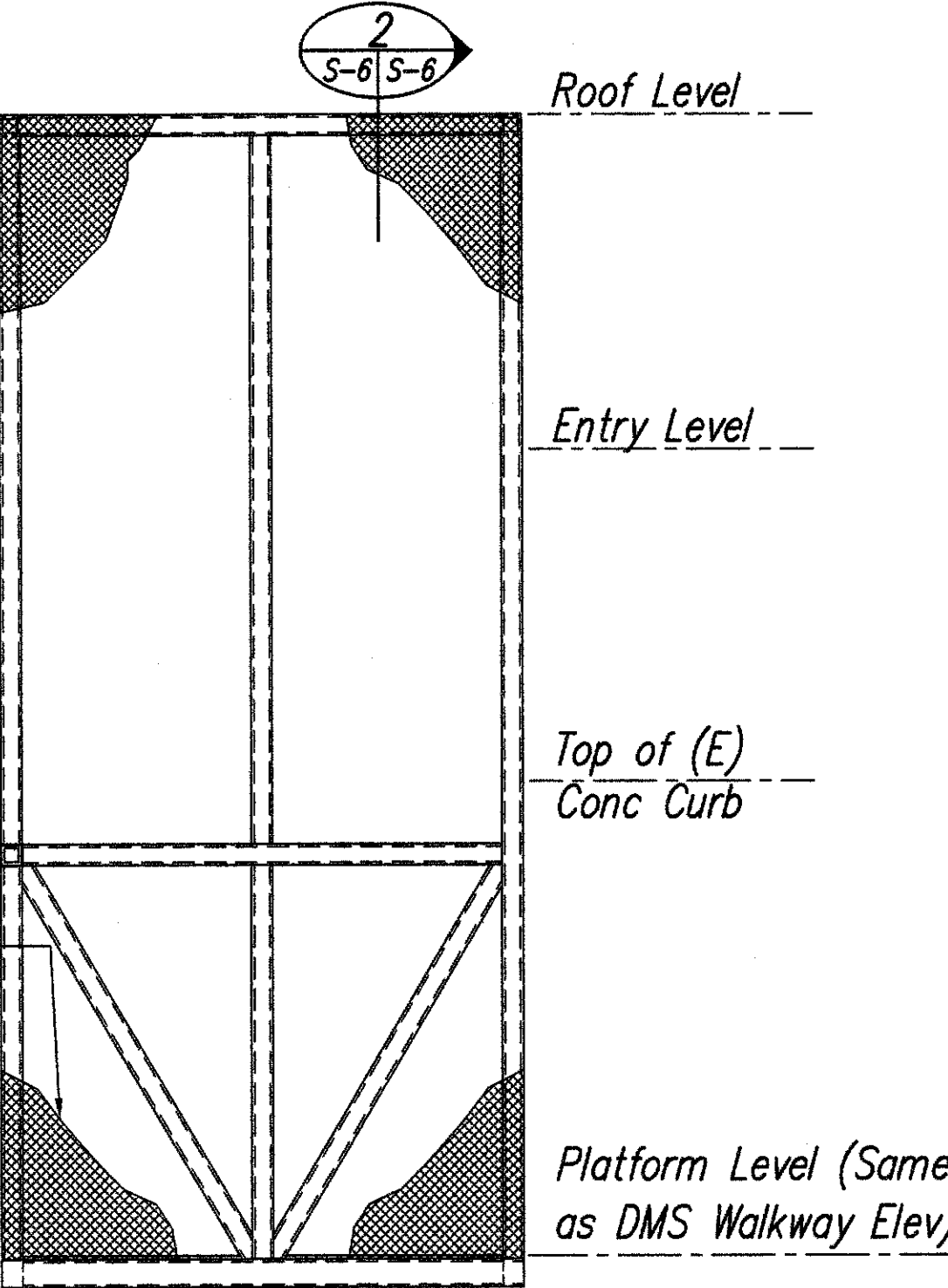
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-0300(117)	2009	16	42



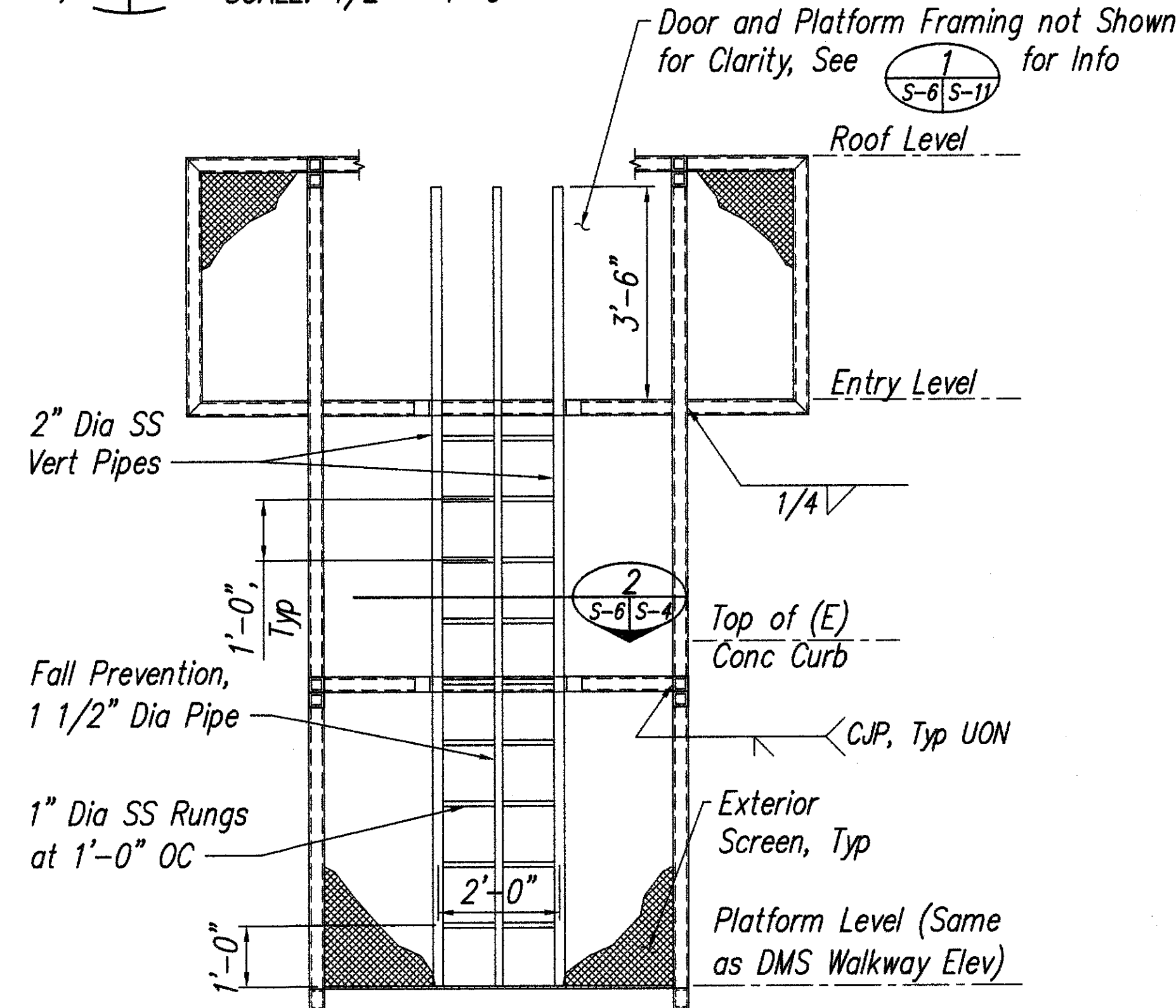
NEW ACCESS PLATFORM -
ELEVATION AT DMS DOOR OPENING
S-5,S-6/S-6 SCALE: 1/2" = 1'-0"



NEW ACCESS PLATFORM -
ELEVATION
S-2,S-5,S-6/S-6 SCALE: 1/2" = 1'-0"

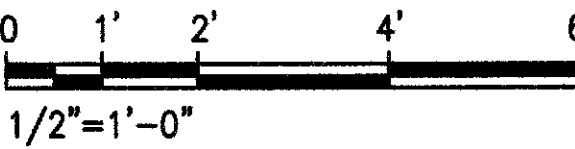


NEW ACCESS PLATFORM -
ELEVATION ADJACENT TO (N)
DMS FACE
S-5,S-6/S-6 SCALE: 1/2" = 1'-0"



NEW ACCESS PLATFORM -
ELEVATION ADJACENT TO BRIDGE RAILING
S-5,S-6/S-6 SCALE: 1/2" = 1'-0"

GRAPHIC SCALES:



Norman K. Nagamine
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

Added Signage	05/13/13
REVISION	DATE
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION KA'AMILO DETAILS FREEWAY MANAGEMENT SYSTEM, PHASE 1B TRAVELER INFORMATION SYSTEM, UNIT 4B: DYNAMIC MESSAGE SIGN INSTALLATION - FEDERAL AID PROJECT NO. 1M-0300(117) SCALE: AS NOTED DATE: 7-14-09	
SHEET No. S-6 OF 11 SHEETS	

"AS-BUILT"