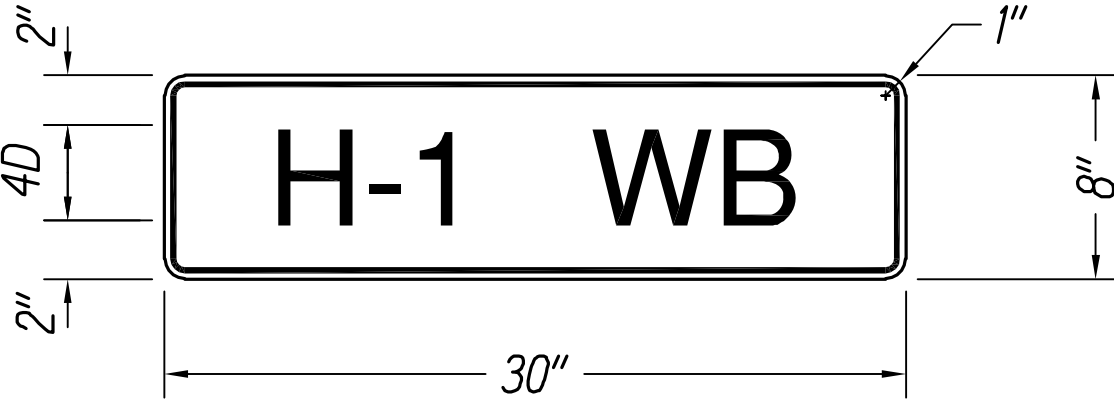
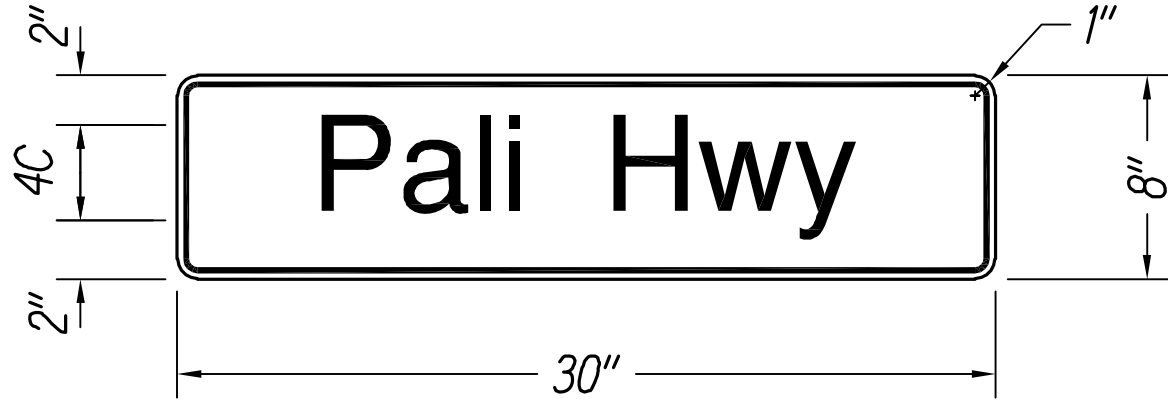
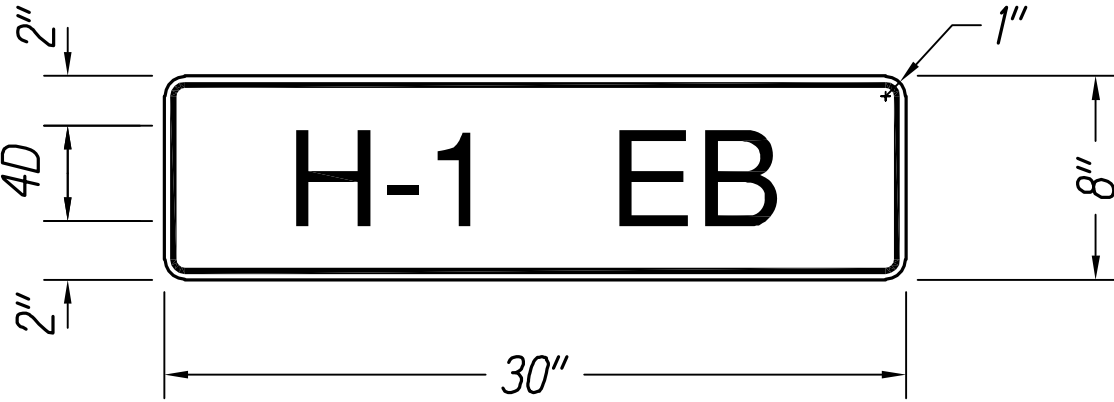
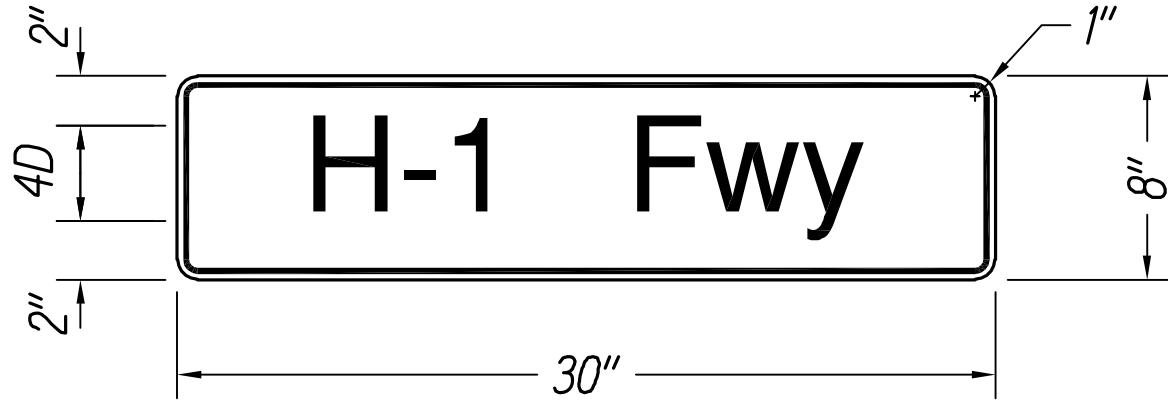
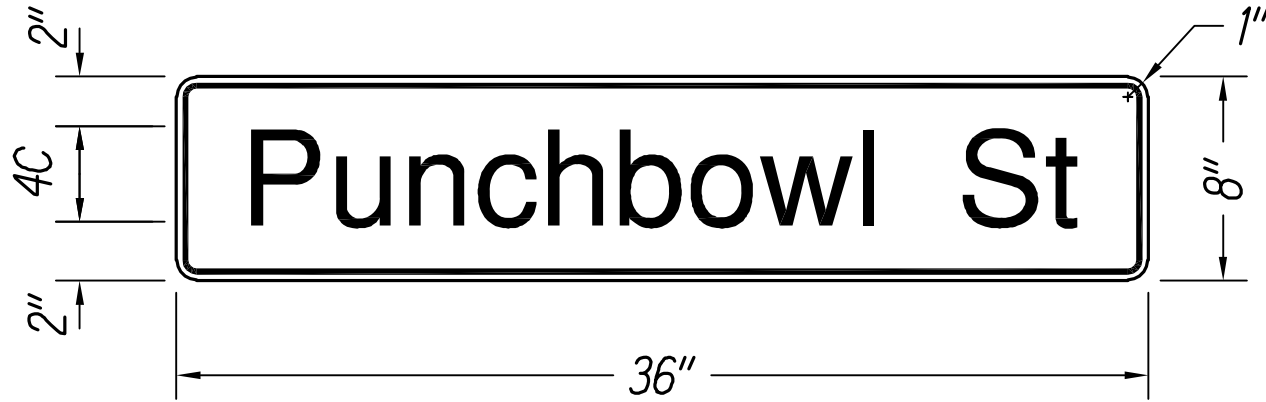
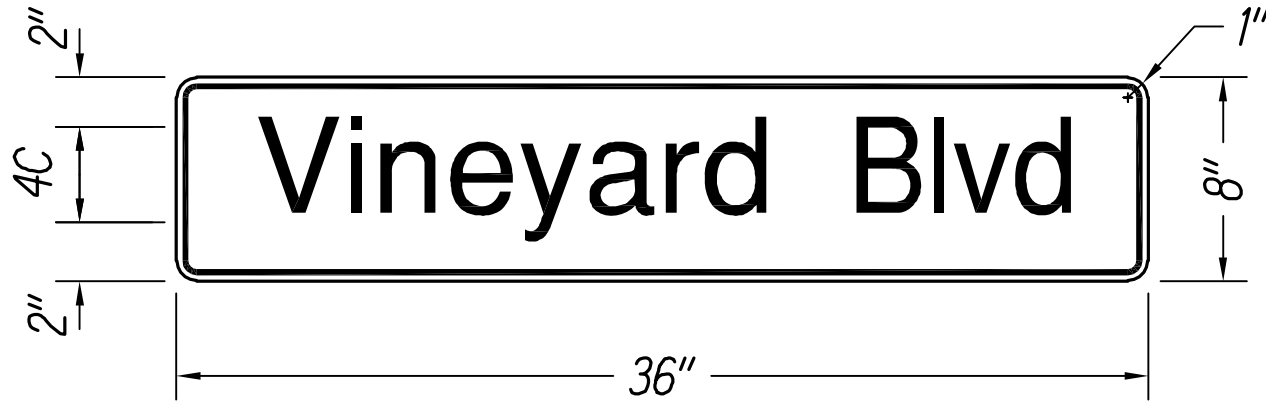
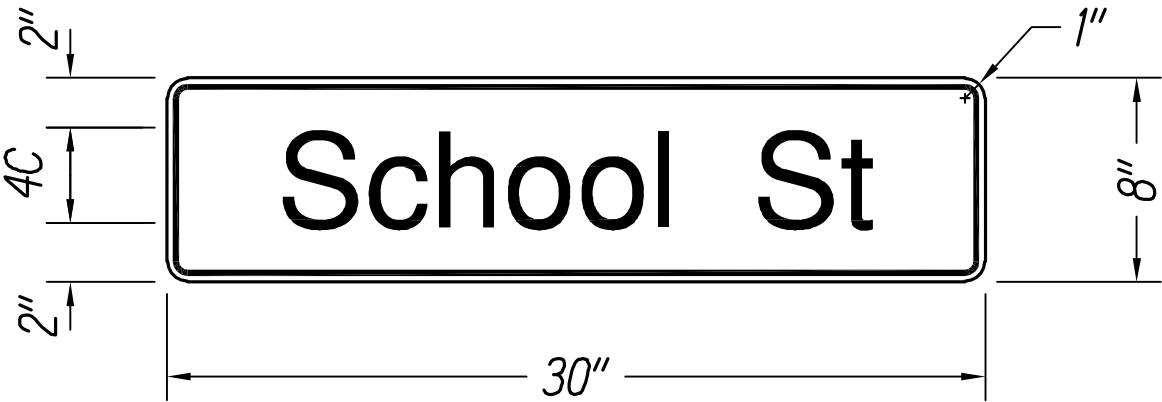
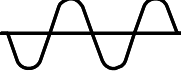


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(242)	2016	C.O. 333	354

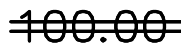


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	CHECKED BY	


**LEGEND FOR
AS-BUILT POSTINGS**



Squiggly line for as-built deletion

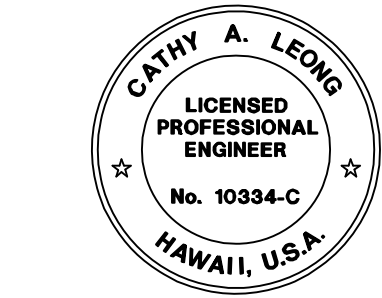


Double line for as-built deletion



Roadway

Text for as-built posting



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WILSON OKAMOTO CORPORATION APRIL 30, 2020 LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

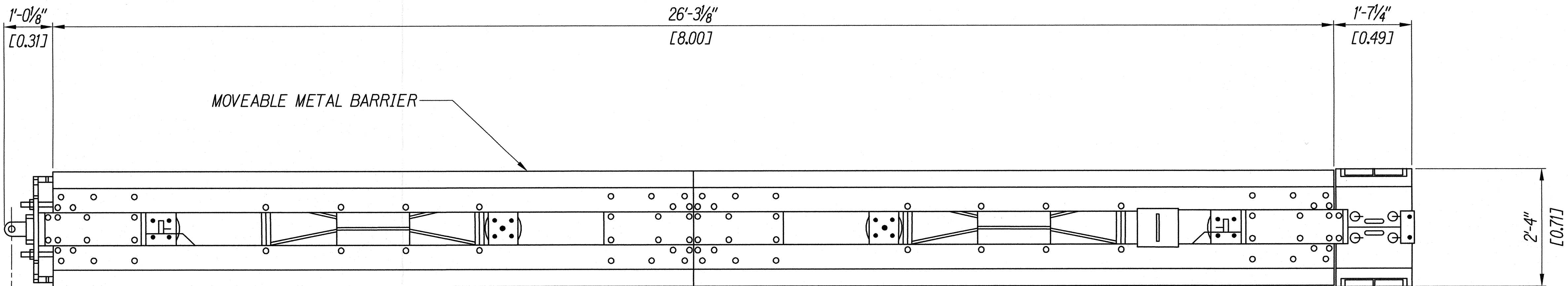
STREET NAME SIGN DETAILS

*INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-HI-1(242)
Scale: Not to Scale Date: Mar. 2016*

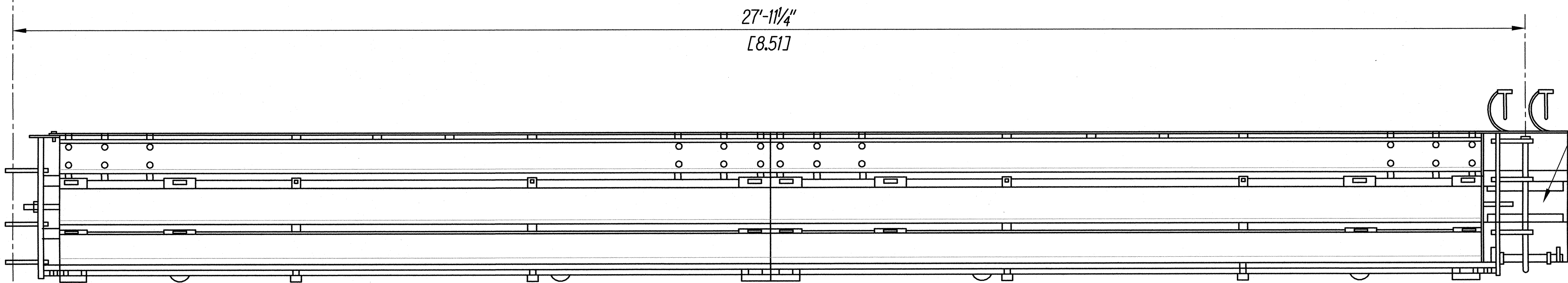
 r8/8/17 Revised Street Name Signs

DATE	REVISION
	SHEET No. TCD-1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(242)	2016	334	354

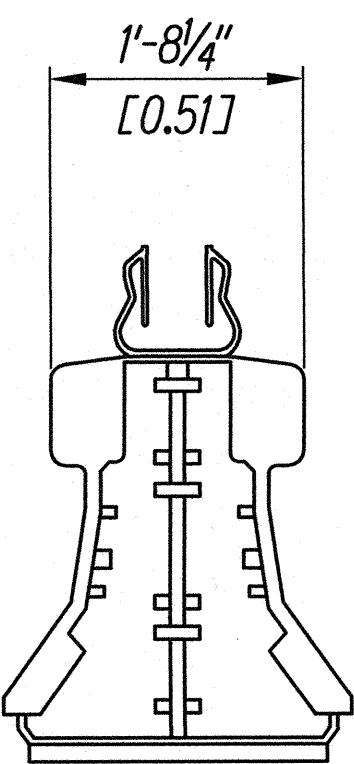


PLAN

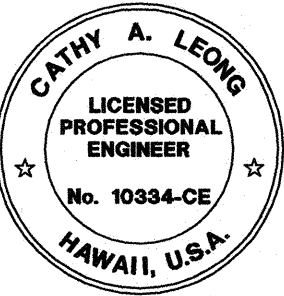


ELEVATION

HINGE ASSEMBLY



SECTION



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Cathy A. Leong
WILSON OKAMOTO CORPORATION APRIL 30, 2018
LIC. EXP. DATE

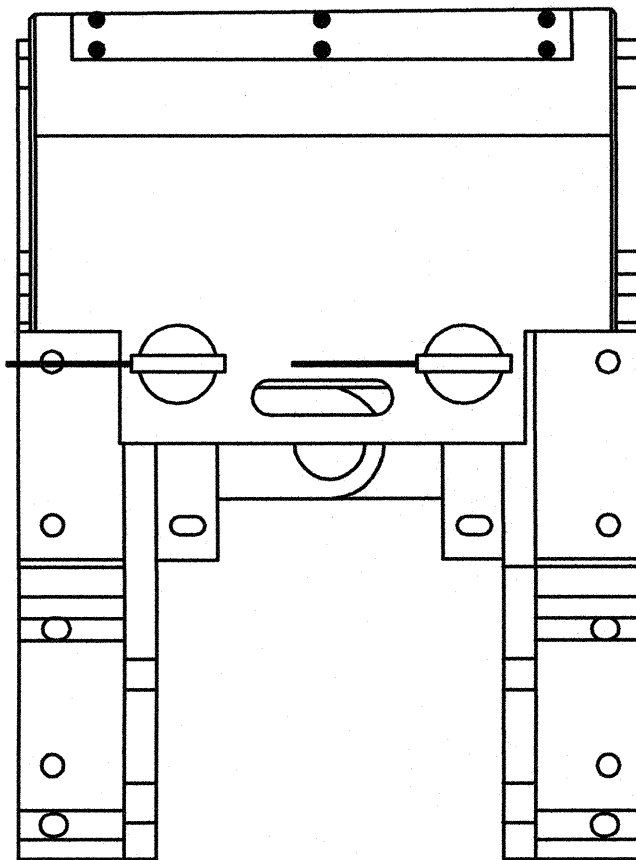
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MOVEABLE TL-3 BARRIER DETAILS
LINK DETAIL
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-HI-1(242)
Scale: Not to Scale Date: Mar. 2016

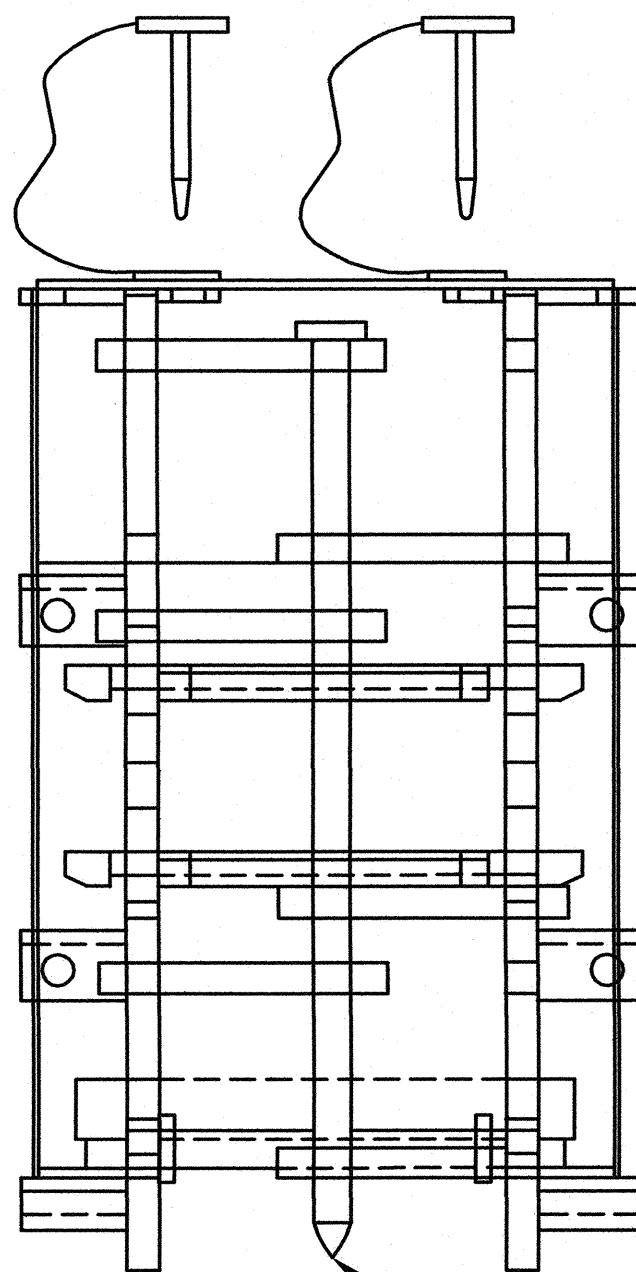
SHEET No. TCD-2 OF 7 SHEETS

ORIGINAL PLAN	DATE
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	335	354

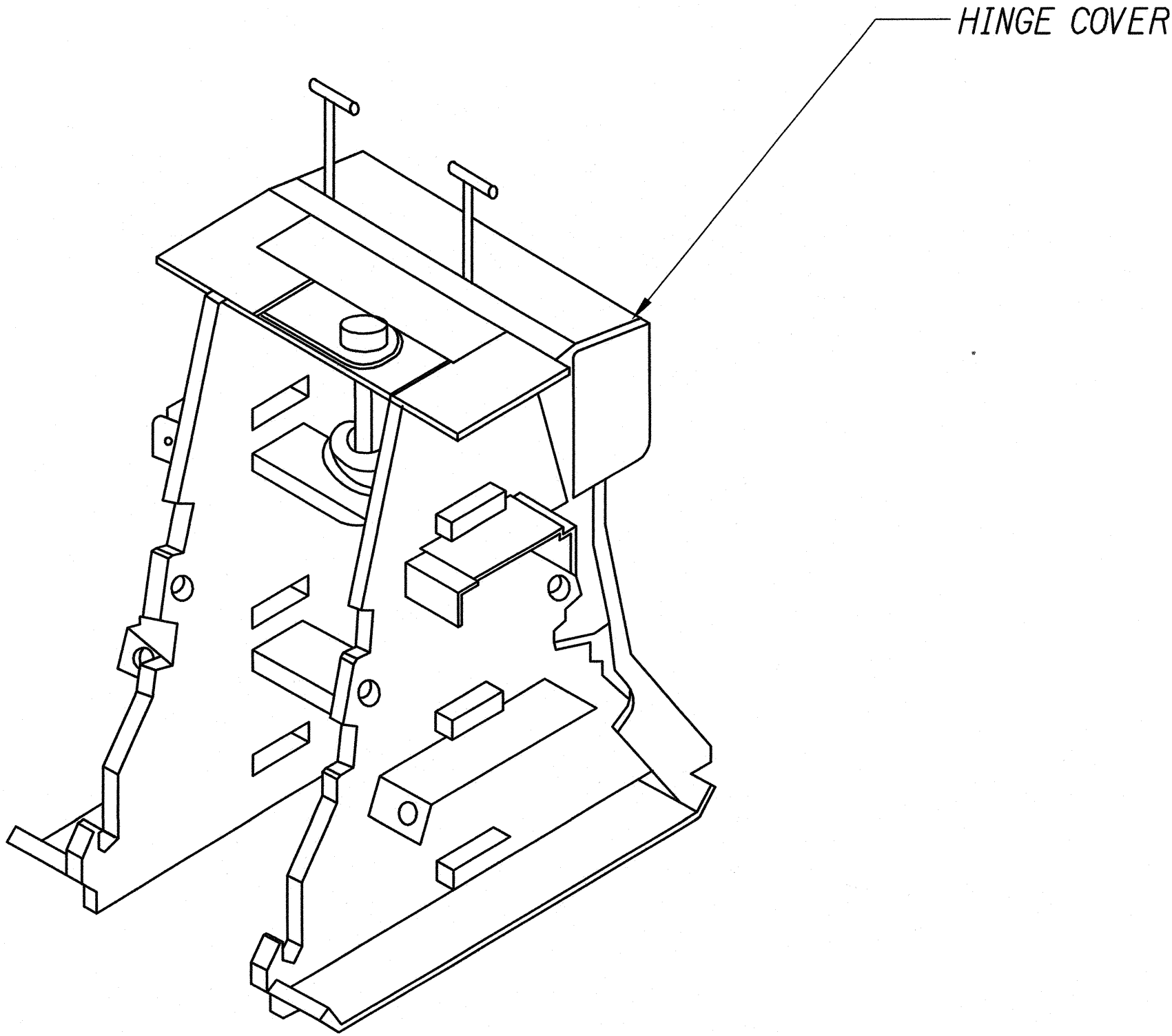


TOP VIEW

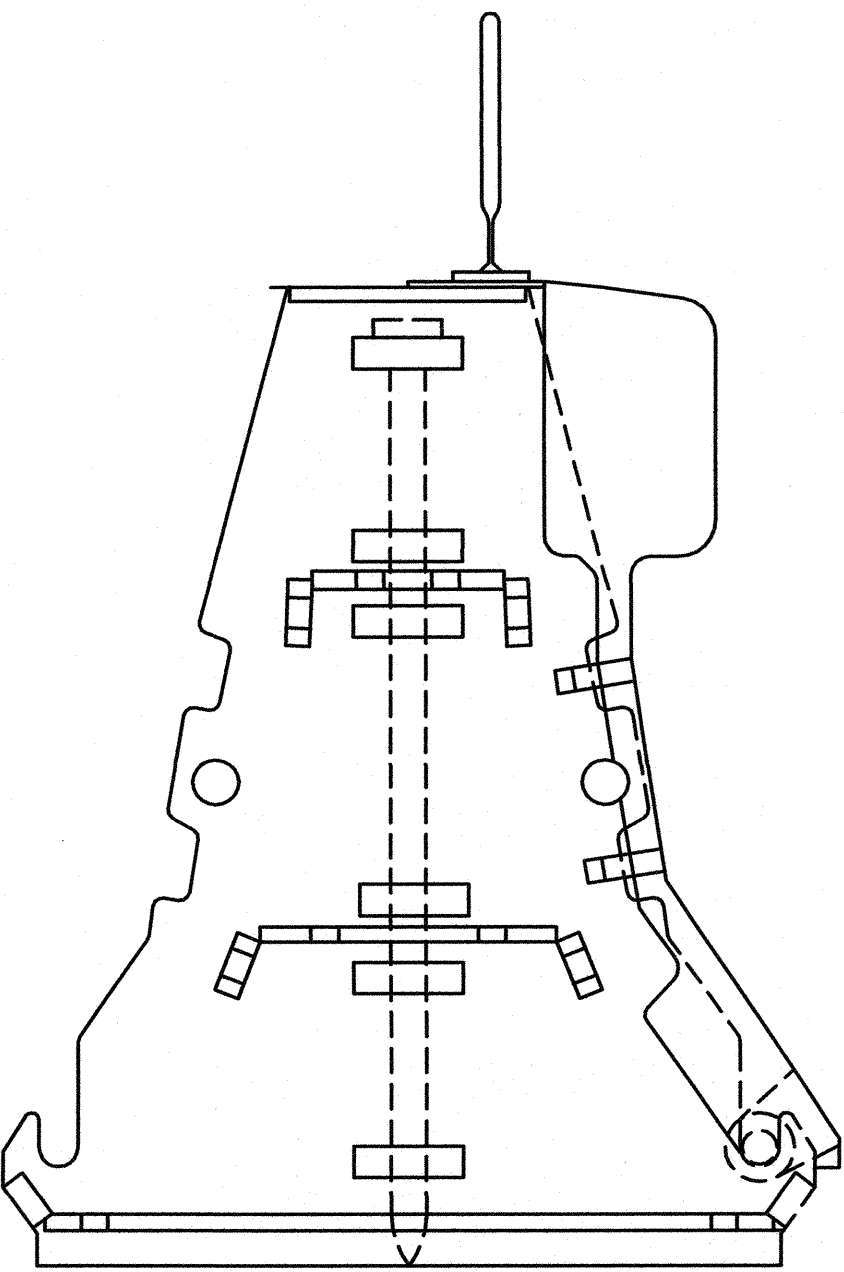


SIDE VIEW

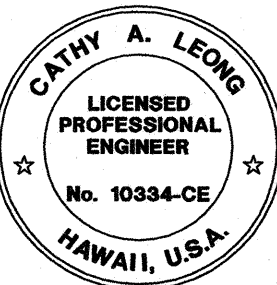
HINGE PIN



ISOMETRIC VIEW



END VIEW



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MOVEABLE TL-3 BARRIER DETAILS

ASSEMBLY, HINGE, LINK

INTERSTATE ROUTE H-1

GUARDRAIL AND SHOULDER IMPROVEMENTS

Middle Street to Punchbowl Off-Ramp

Fed. Aid Project No. IM-H1-1(242)

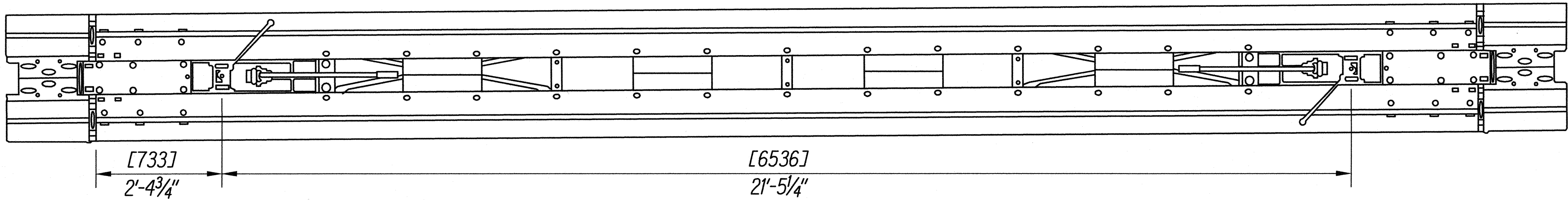
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Date: Mar. 2016

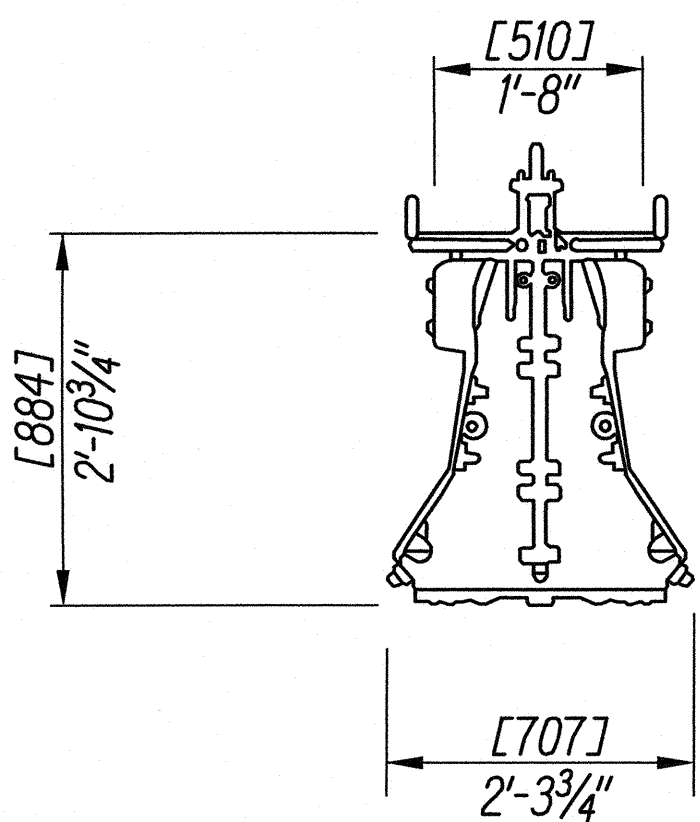
SHEET No. TCD-3 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	CHECKED BY	

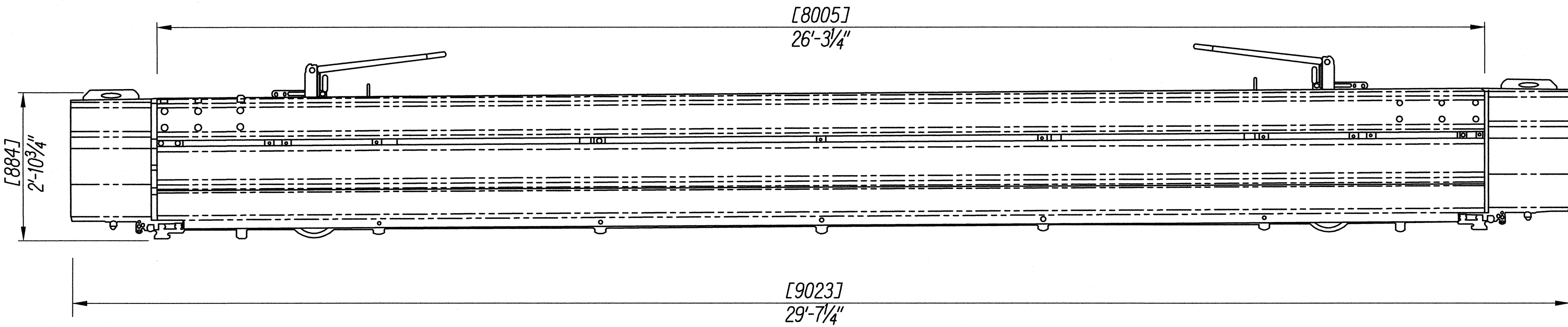
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	336	354



PLAN

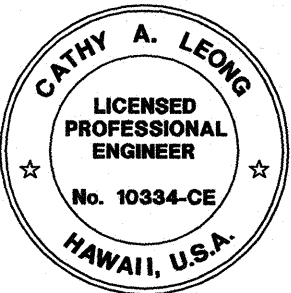


SECTION



ELEVATION

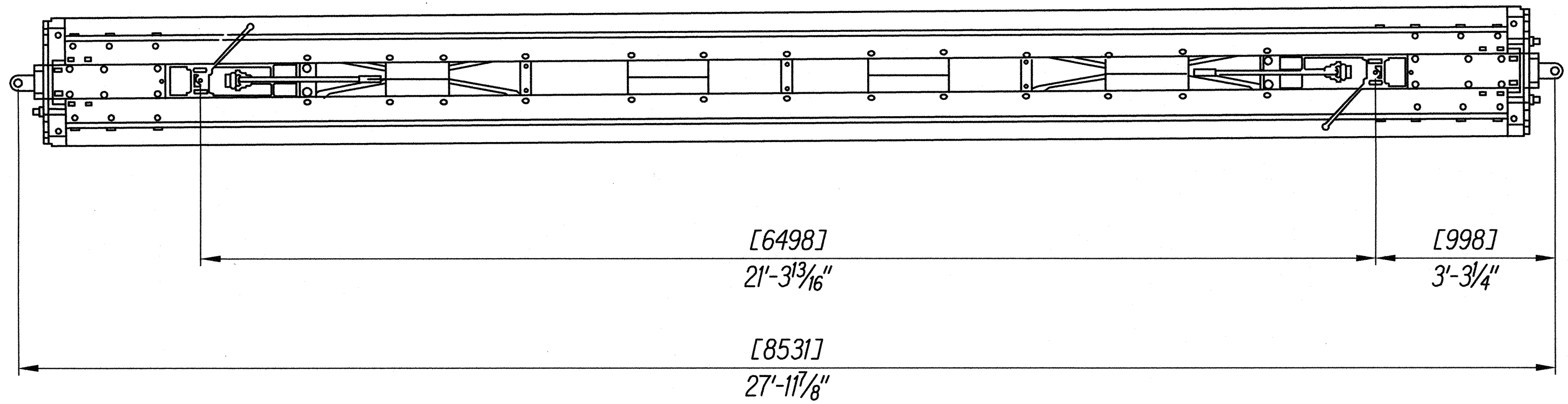
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NOTE BOOK	DRAWN BY _____	DESIGNED BY _____
No. _____	CHECKED BY _____	CHECKED BY _____



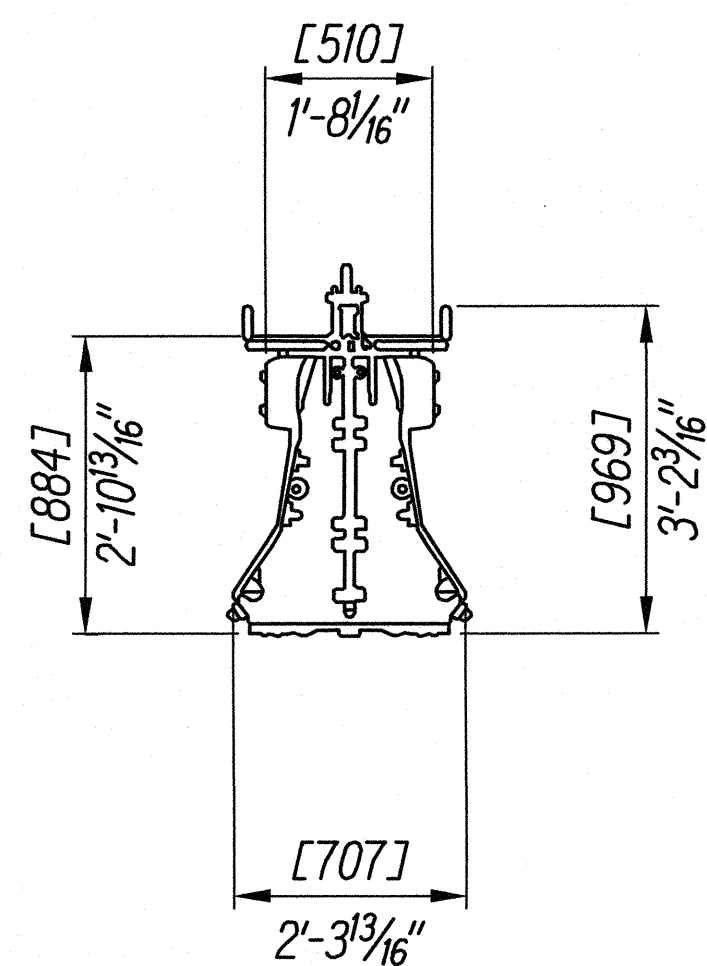
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Cathy A. Leong APRIL 30, 2018
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MOVEABLE TL-3 BARRIER DETAILS
ASSEMBLY MANUAL STANDARD
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: Not to Scale Date: Mar. 2016
SHEET No. TCD-4 OF 7 SHEETS

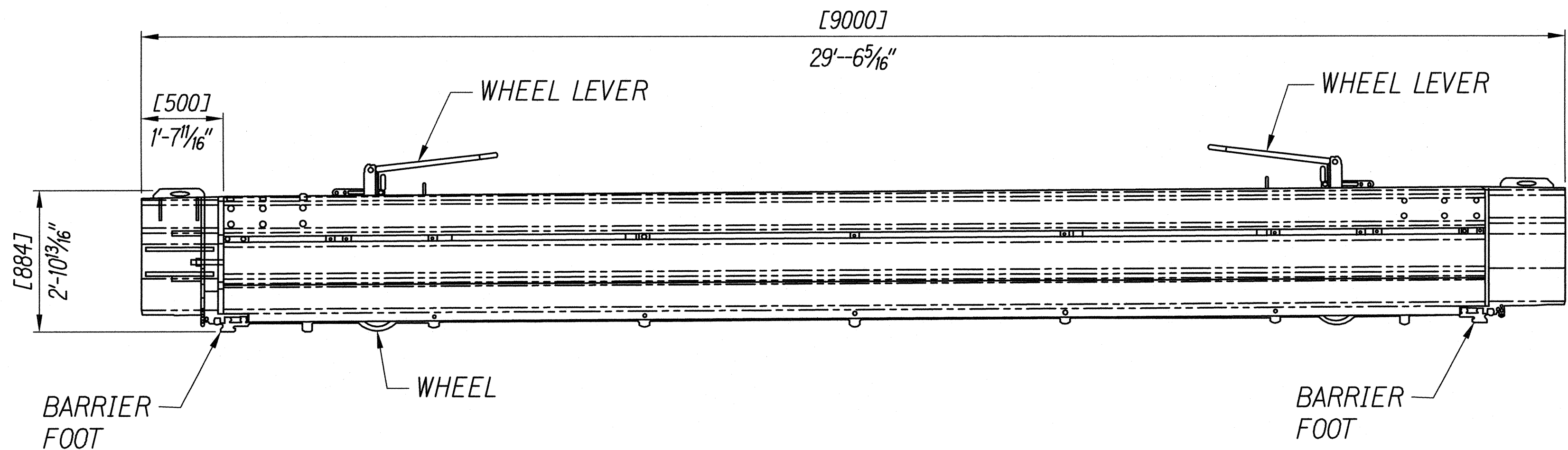
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	337	354



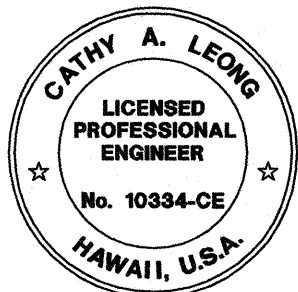
PLAN



SECTION



ELEVATION



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

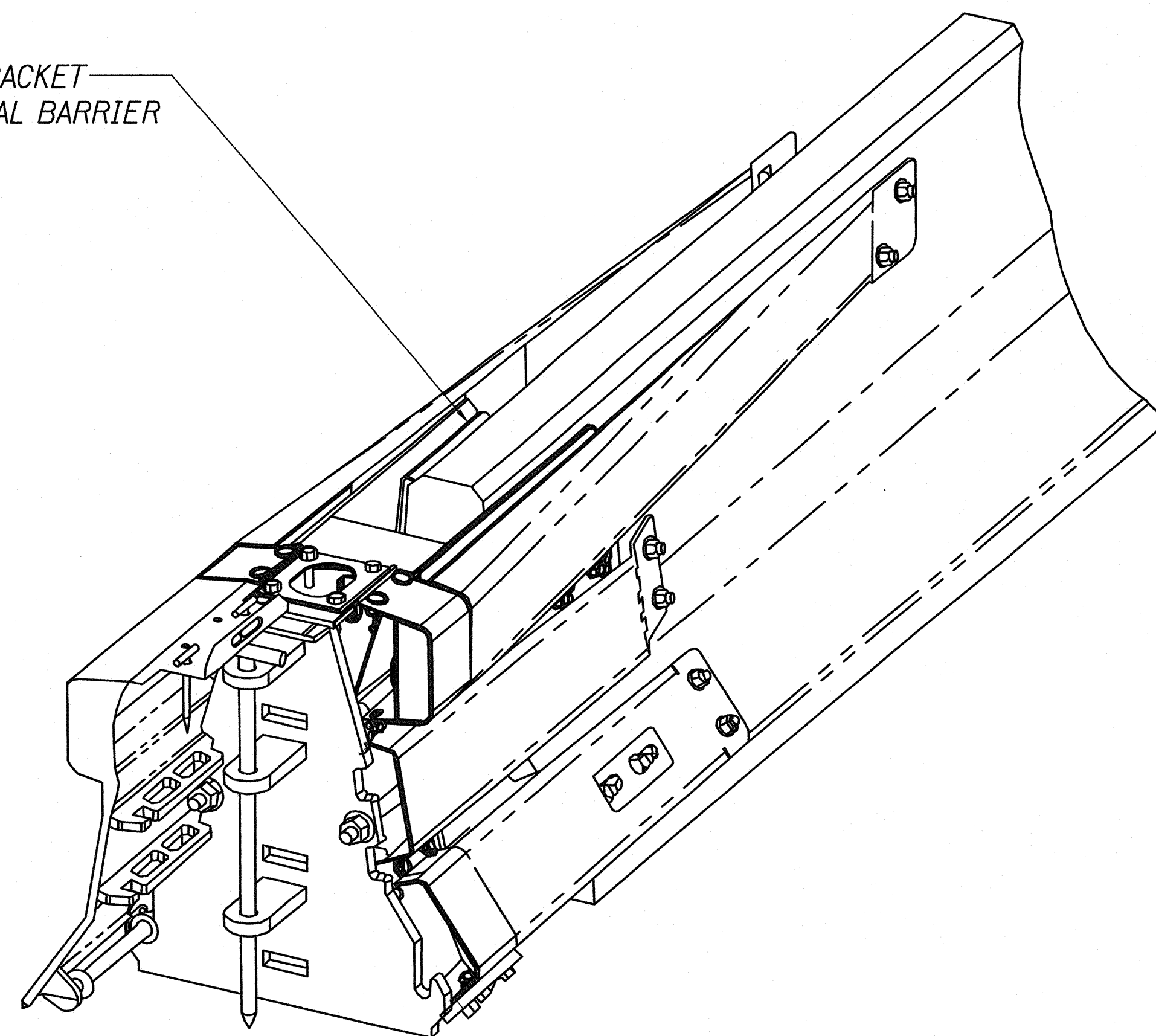
MOVEABLE TL-3 BARRIER DETAILS
DETAIL LINK
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. 1M-H1-1(242)
Scale: Not to Scale Date: Mar. 2016

SHEET No. TCD-5 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
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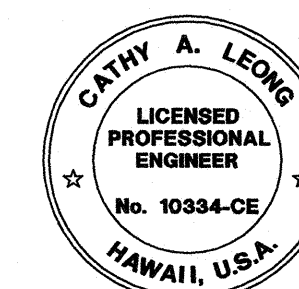
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(242)	2016	338	354

TRANSITION BRACKET
MOVEABLE METAL BARRIER



TRANSITION SECTION
ASSEMBLY DETAIL - ISOMETRIC VIEW

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	" "
No. _____	DESIGNED BY	" "
	CHECKED BY	" "



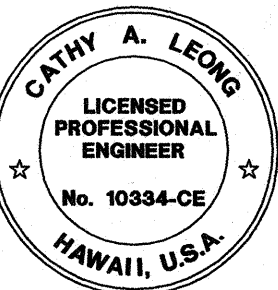
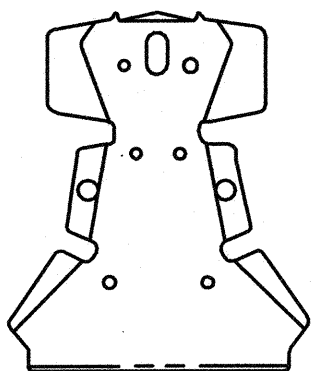
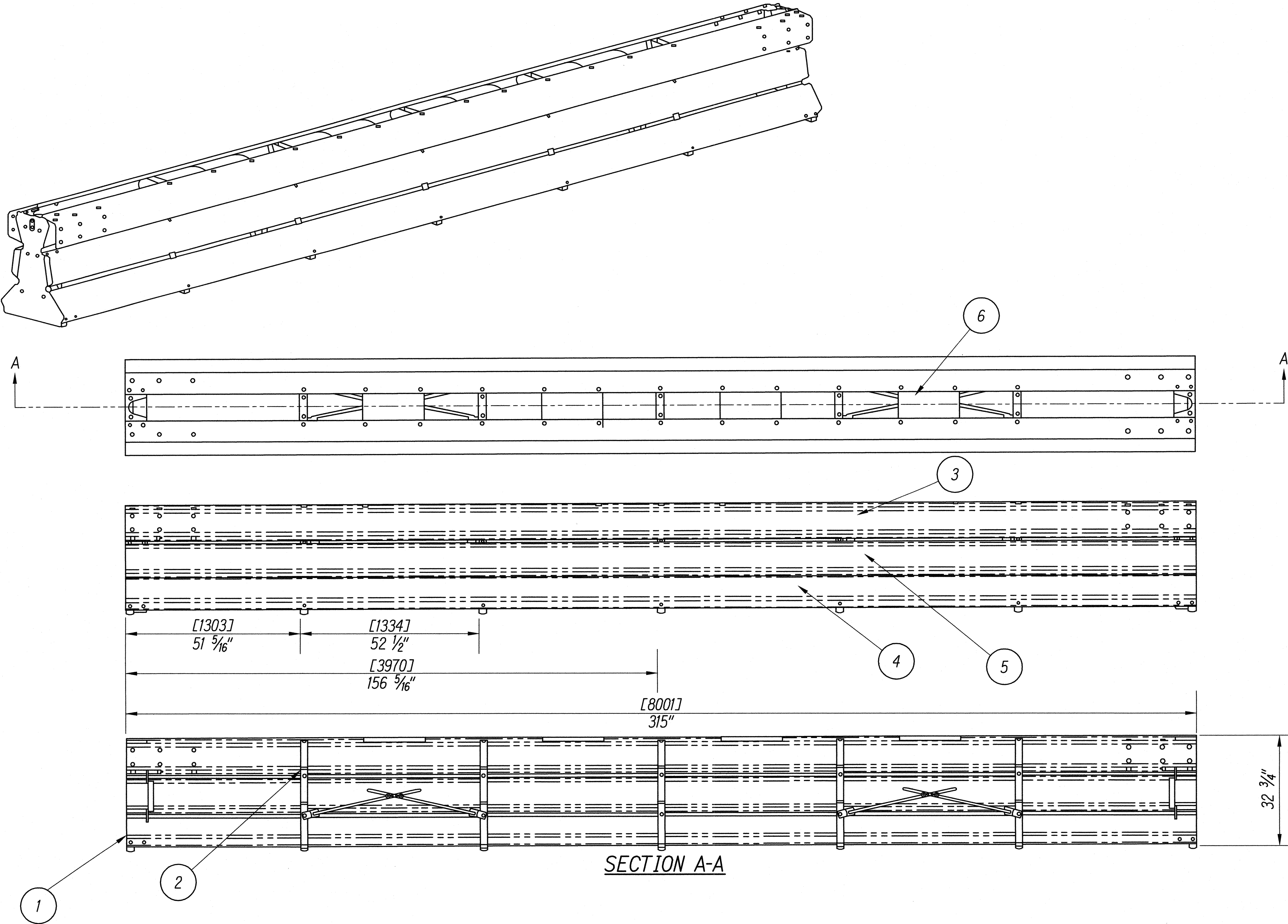
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MOVEABLE TL-3 BARRIER DETAILS
TRANSITION ASSEMBLY
INTERSTATE ROUTE H-1
GUARDRAIL AND SHOULDER IMPROVEMENTS
Middle Street to Punchbowl Off-Ramp
Fed. Aid Project No. IM-H1-1(242)
Scale: Not to Scale Date: Mar. 2016
SHEET No. TCD-6 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-H1-1(242)	2016	339	354

ITEM	DESCRIPTION
1	END SUPPORT
2	MIDDLE SUPPORT
3	TOP PANEL
4	BOTTOM PANEL
5	MIDDLE PANEL
6	MID SHEAR PLATE



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MOVEABLE TL-3 BARRIER DETAILS

STANDARD COMPONENTS

INTERSTATE ROUTE H-1

GUARDRAIL AND SHOULDER IMPROVEMENTS

Middle Street to Punchbowl Off-Ramp

Fed. Aid Project No. 1M-H1-1(242)

Scale: Not to Scale Date: Mar. 2016

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	
No.		