

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

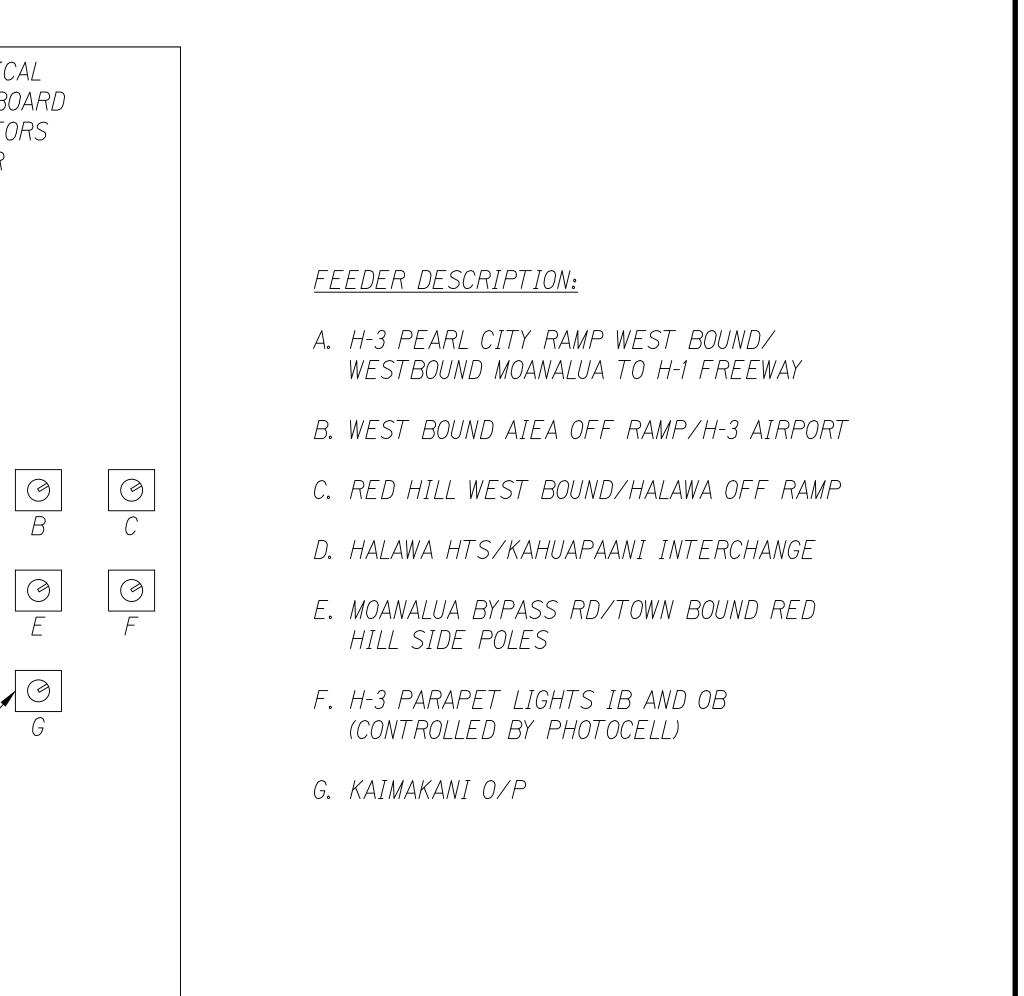
ELECTRICAL SWITCHBOARD INCOMING/METERING	ELECTRICAL SWITCHBOARD 480Y/277V, 400A NEMA 3R	ELECTRICAL SWITCHBOARD 480Y/277V NEMA 3R 7½ KVA DT	ELECTRICAL SWITCHBOA CONTACTORS NEMA 3R
	3P400A ELEC MAIN	2P20A ELEC MAIN	
	3P100A(A) 3P70A(B) 3P70A(C) 3P50A(D) 3P100A(E) 3P100A(F) 3P100A(G) 2P15A(SECT3)	1P20A(OFF) 1P20A(ON) 1P20A(OFF) 1P20A(ON)	
			A E
			$\bigcirc$
		Hand off, auto sw.	

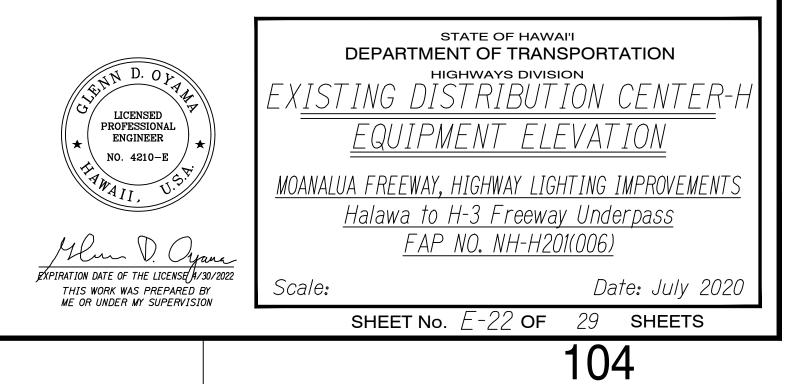
# EXISTING DISTRIBUTION CENTER "H" EQUIPMENT ELEVATION

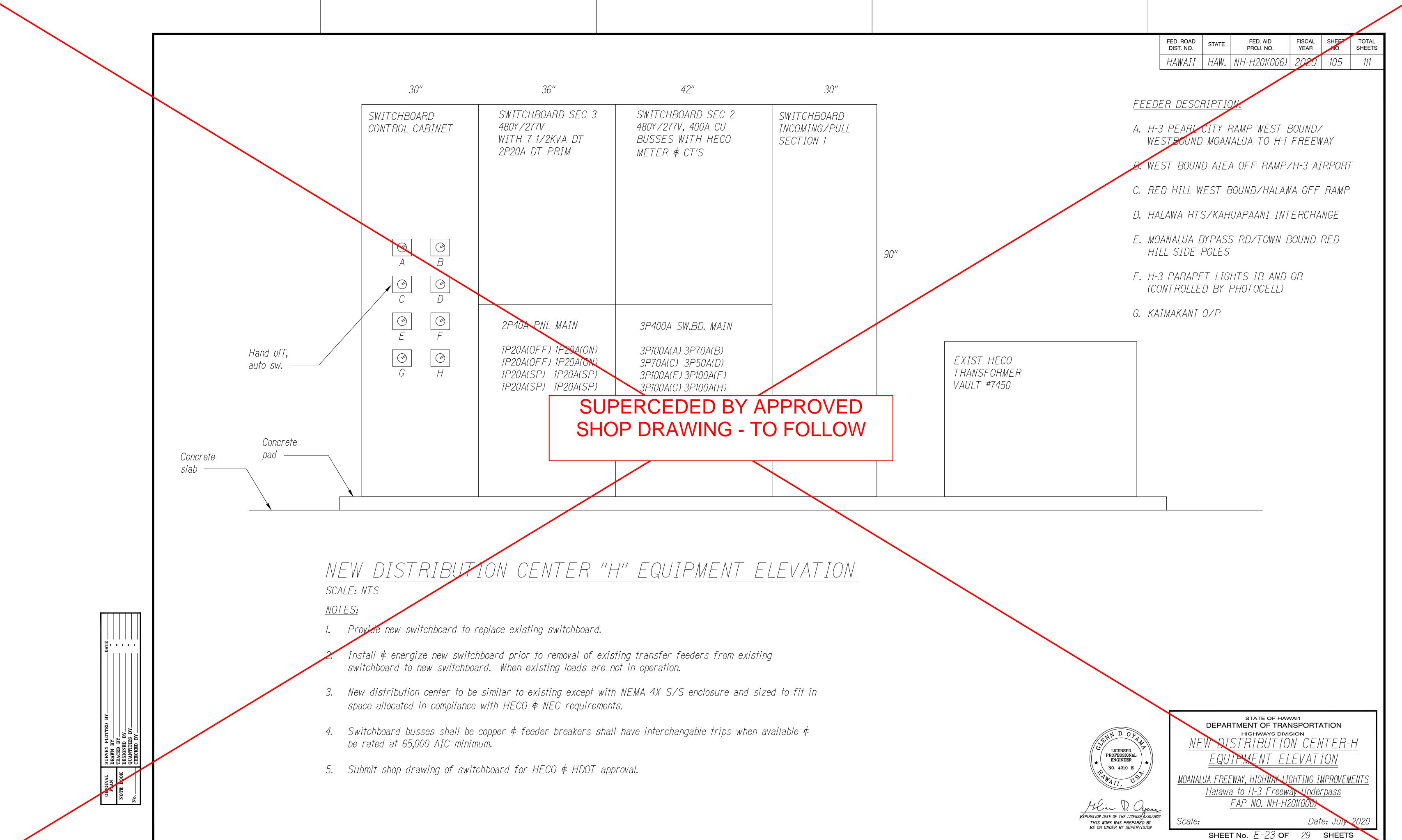
1. Replace existing switchboard with new switchboard. Install & energize new

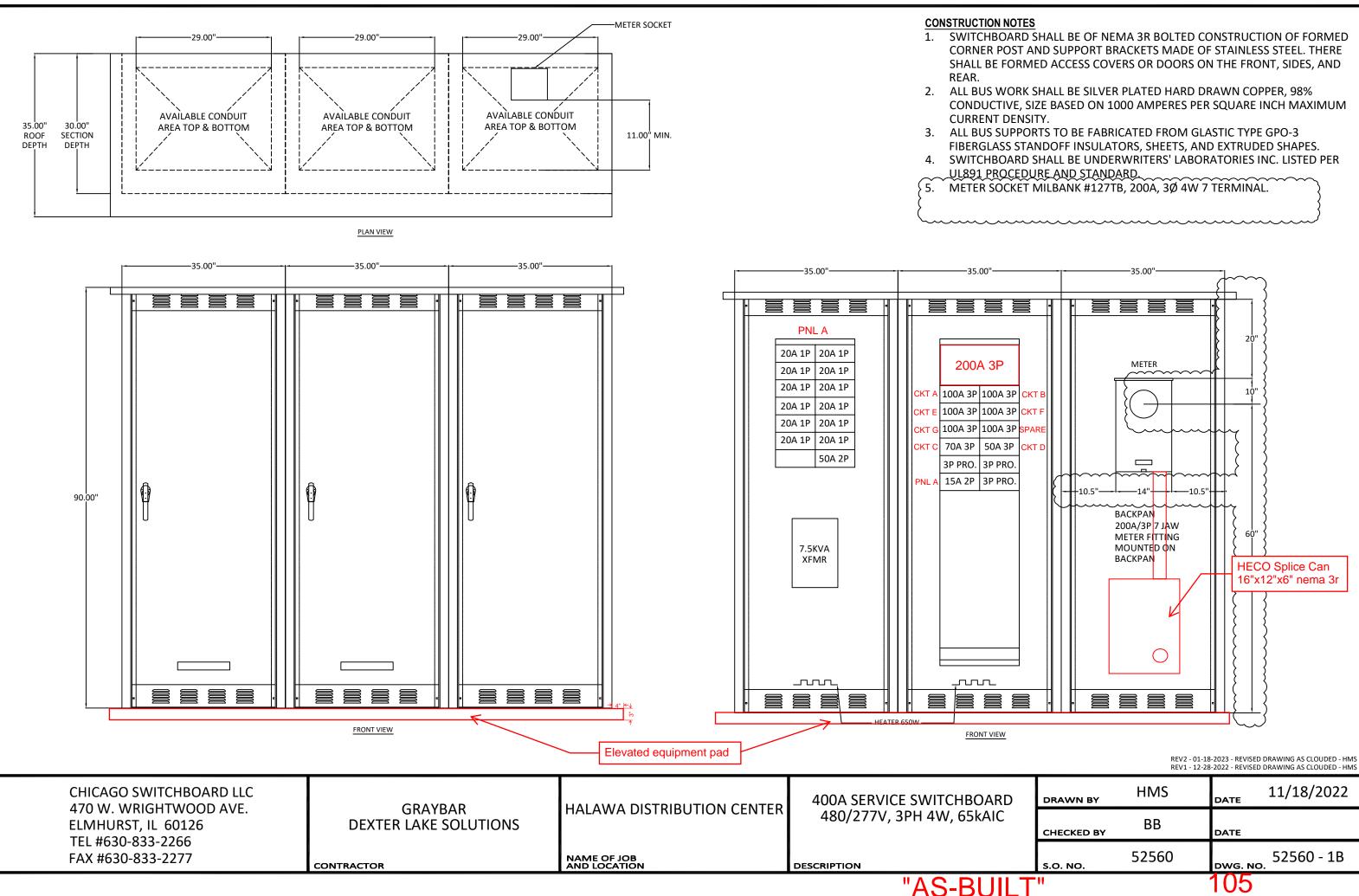
2. New distribution center to be similar except NEMA 4X S/S and fit in space

FED. ROAD DIST. NO. STATE				
	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII HAW. N	NH-H201(006)	2020	104	111







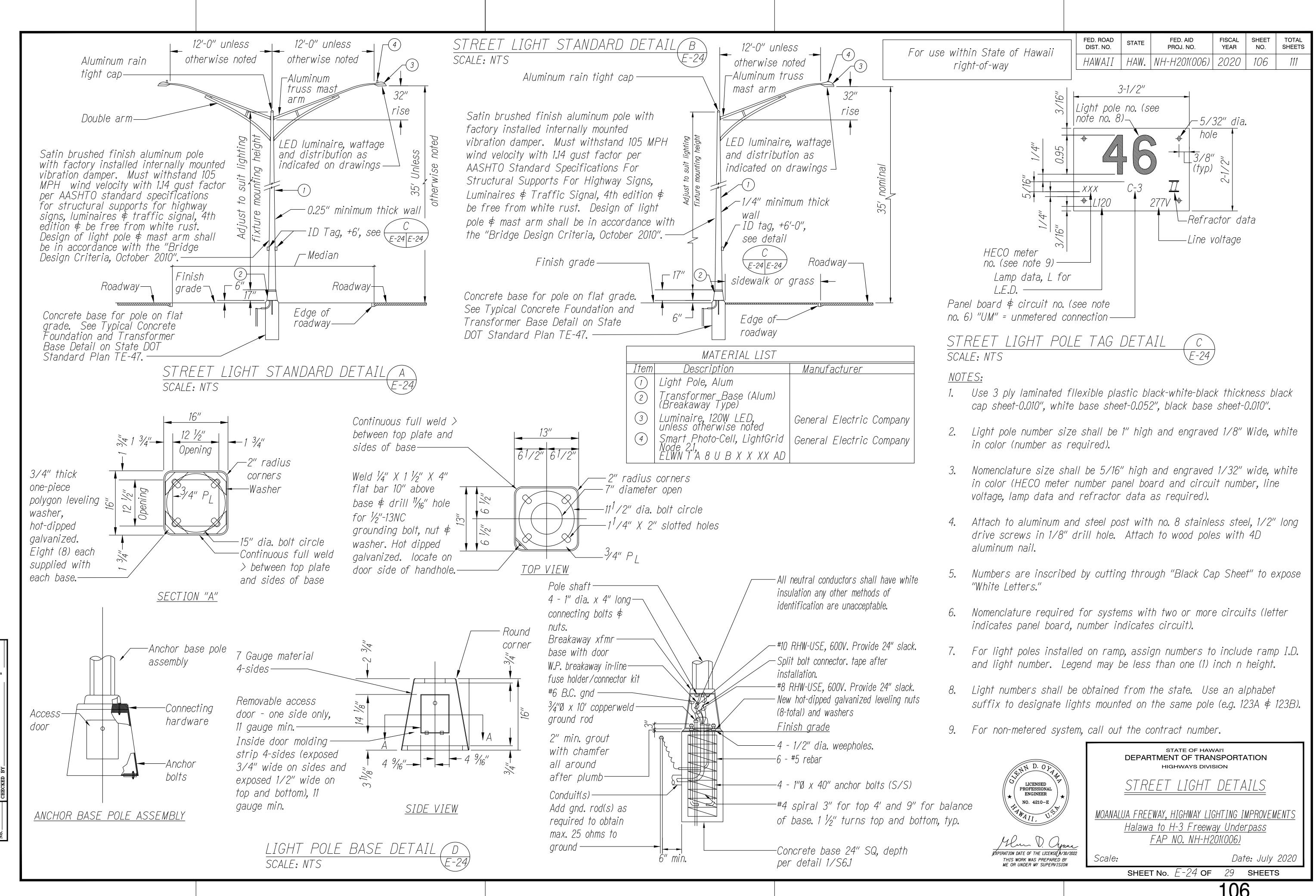


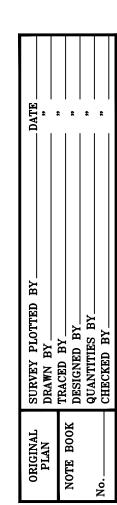
	DRAWN BY	HMS	date 11/18/2022
	CHECKED BY	BB	DATE
	S.O. NO.	52560	рwg. NO. 52560 - 1В
Т			105

PNL A			/ MFR	PART NUMBER	DESCRIPTION	QTY
	(2) 3/0-500 #(	#6-250 MCM	SIEMENS	HJXD63B400	400AF/200AT 3P BREAKER, (2) 3/0- 500kcmil LUGS, UL LISTED, 65kAIC	1
$ \begin{array}{c}                                     $	CKT A D O O O CKT B B 100A 3P 100A 3P B (1) 8-1/0 (1) 8-1/0		SIEMENS	SJ1D	JD FRAME DEEP MOUNT STRAP KIT	1
© 20A 1P D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		В	SIEMENS	LGB3B100B	100A 3P BREAKER, (1) #8-1/0 LUGS, UL LISTED, 65KAIC	6
20A 1P (E) 20A 1P (E) 20A 1P (E) 20A 1P (E)	Image: B 100A 3P (1) 8-1/0         Image: Image	C C	SIEMENS	LGB3B070B	70A 3P BREAKER, (1) #8-1/0 LUGS, UL LISTED, 65KAIC	1
O O O O O O O O O O O O O O O O O O O		PROVISION FOR BACKPAN	SIEMENS	LGB3B050B	50A 3P BREAKER, (1) #8-1/0 LUGS, UL LISTED, 65KAIC	1
$ \overset{\circ}{} \circ$		200A/3P 7 JAW E METER FITTING MOUNTED ON	SIEMENS	LGB2B015B	15A 2P BREAKER, (1) #8-1/0 LUGS, UL LISTED, 65KAIC	1
50A 2P 6	© 70A 3P (1) 8-1/0 (1) 8-1/0 (1) 8-1/0	BACKPAN E1	SIEMENS	S3VA41TD	LGB FRAME DEEP MOUNT STRAP KIT	7
CABLED BY	D-Ó Ò-Ó Ò-⊲ 3P PORVISION PORVISION	F	SIEMENS	B120H	20A 1P BREAKER, UL LISTED, 22kAIC	1
CHICAGO SWBD (1)#6-1/0	PNL A © 15A 2P © 15A 2P 3P 3P	G	SIEMENS	8250H	50A 2P BREAKER, UL LISTED, 22kAIC	1
CABLED BY CSB	(1) 10-1/0 PORVISION		SQUARE D	7S1F	7.5KVA, 480/240VAC, 60Hz, 115 DEG C TEMP RISE, 1PH 3W	1
  }		J	STEGO	027019-00	HEATER 650W WITH THERMOSTAT	2
HEATER ONELINI	E DIAGRAM					
IICAGO SWITCHBOARD LLC 0 W. WRIGHTWOOD AVE.	GRAYBAR	HALAWA DISTRIBUTION CENTE		/ICE SWITCHBOARD /, 3PH 4W, 65kAIC	DRAWN BY DATE	/18/2
RST, IL 60126 0-833-2266	DEXTER LAKE SOLUTIONS		400/2771		CHECKED BY BB DATE	
833-2277	CONTRACTOR	NAME OF JOB AND LOCATION	DESCRIPTION		52560 руд. NO. 52	560

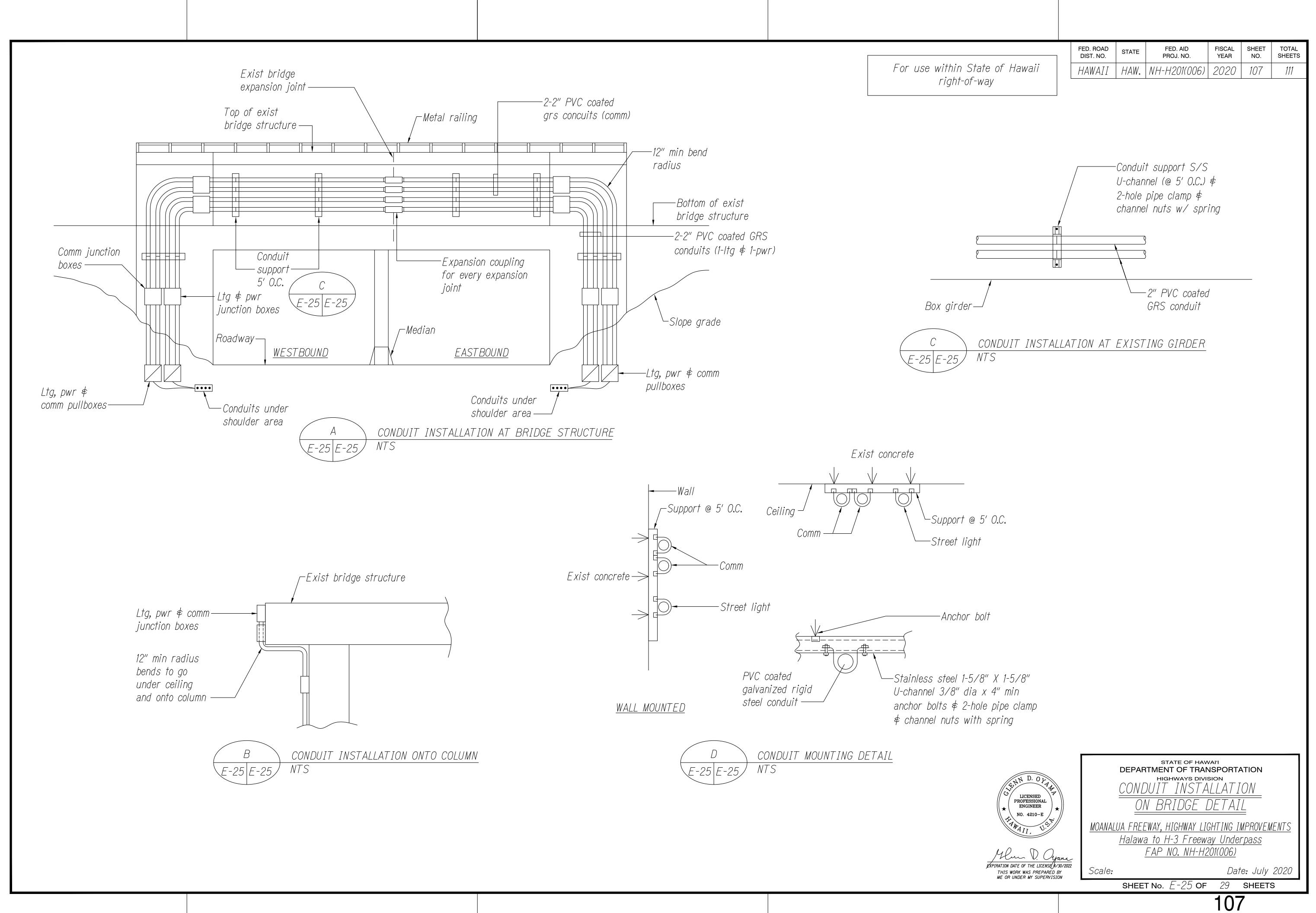
"AS-BUILT"

105 S-1

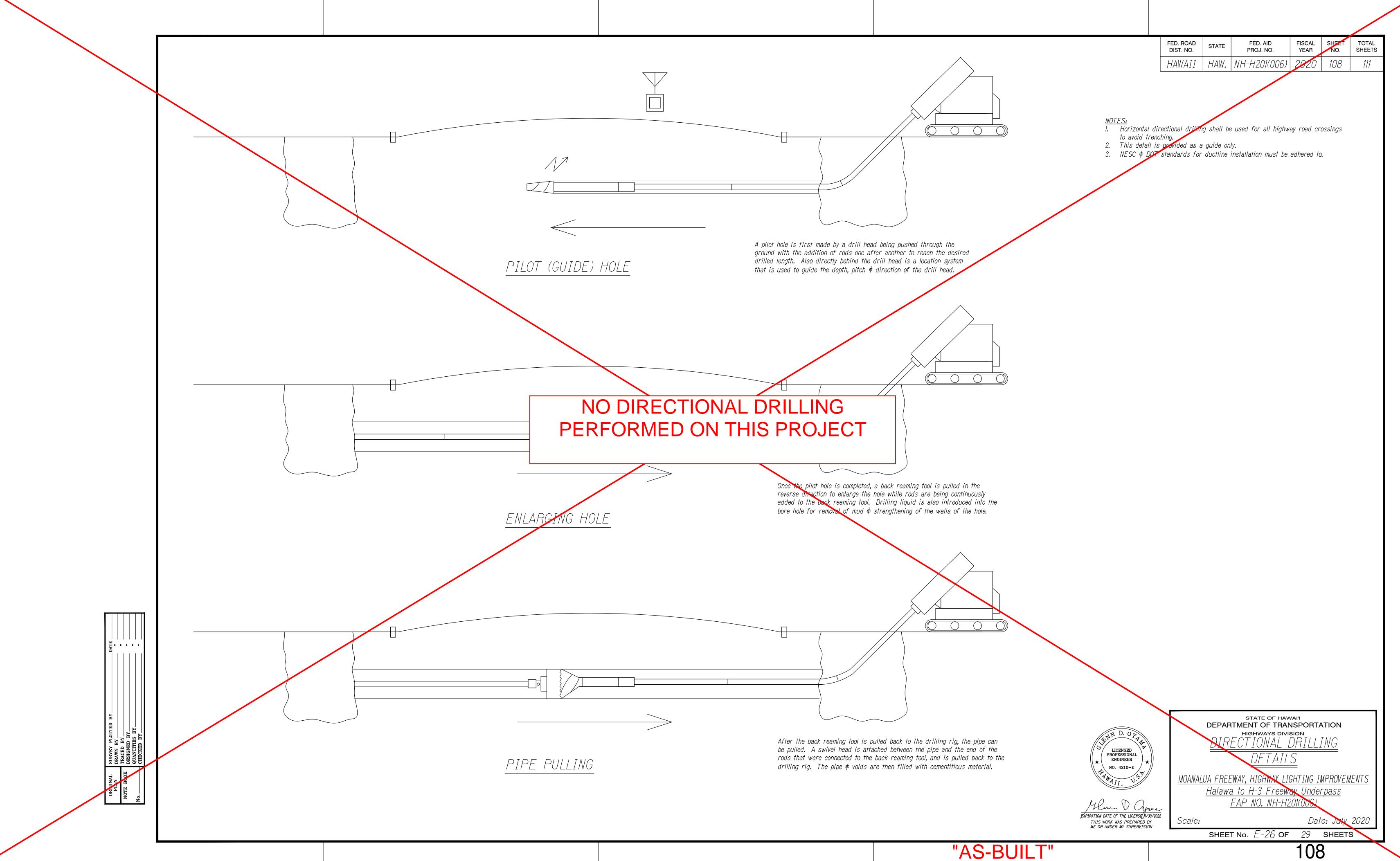




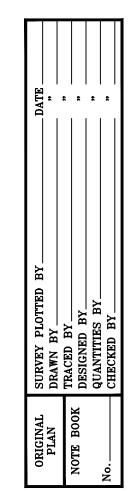
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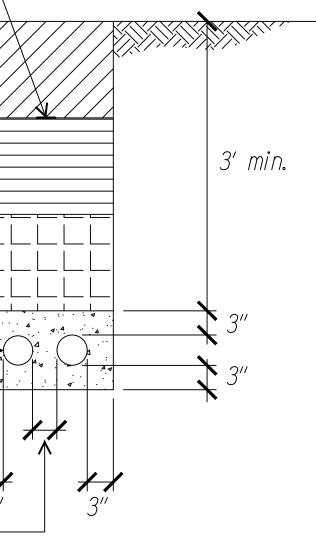


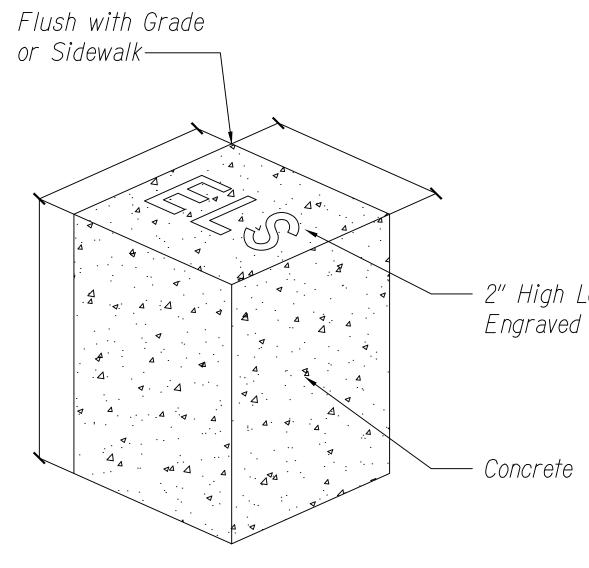
DATE	*	*	*	*	
SURVEY PLOTTED BY DRAWN BY	TRACED BY	DESIGNED BY	QUANTITIES BY	CHECKED BY	
ORIGINAL PLAN		NULLE BUUN		No	



Metal detectable red warning tape Finished grade—— CLSM or imported aggregate backfill material per HSS 703.21 -Trench Backfill Material A per HDOT Standard Specifications Section 703.21 -. 4.4 . PVC 40 Concrete encasement, 3000 psi compressive strength in 28 days -XX 3'' See note 2 TYPICAL DUCT SECTION (CONCRETE ENCASED) SCALE: NTS <u>NOTES:</u> 1. Electrical and communication ducts similar. 2. Provide 2" separation between ducts of same system and 3" between ducts of different systems (6" between ducts when placed next to an existing system). Concrete pavement shall be replaced by removing existing pavement to the nearest joint. AC 3. pavement shall be overcut by 12" from the edge of the trench or disturbed base after backfilling of the trench has reached the bottom of the pavement. Saw cut pavement to the trench's overcut limit on both sides of the trench. Remove existing pavement and recompact the base. Apply tackcoat on all surfaces that will contact the new AC pavement, e.g., base, edge of AC pavement at edge of trench. Pave as soon as possible. 4. When ground water is encountered in trenches, backfill with gravel conforming to ASTM C-33, size 67 material until one foot above the water level. Encapsulate the size 67 material with a permeable separator that lines the bottom and sides of the trench and overlaps at the top of the material for the width of the trench. Complete backfilling the trench per detail. 5. See Duct Sections for conduit arrangement.







## CONDUIT STUB-OUT MARKE

Scale: NTS

### <u>NOTES:</u>

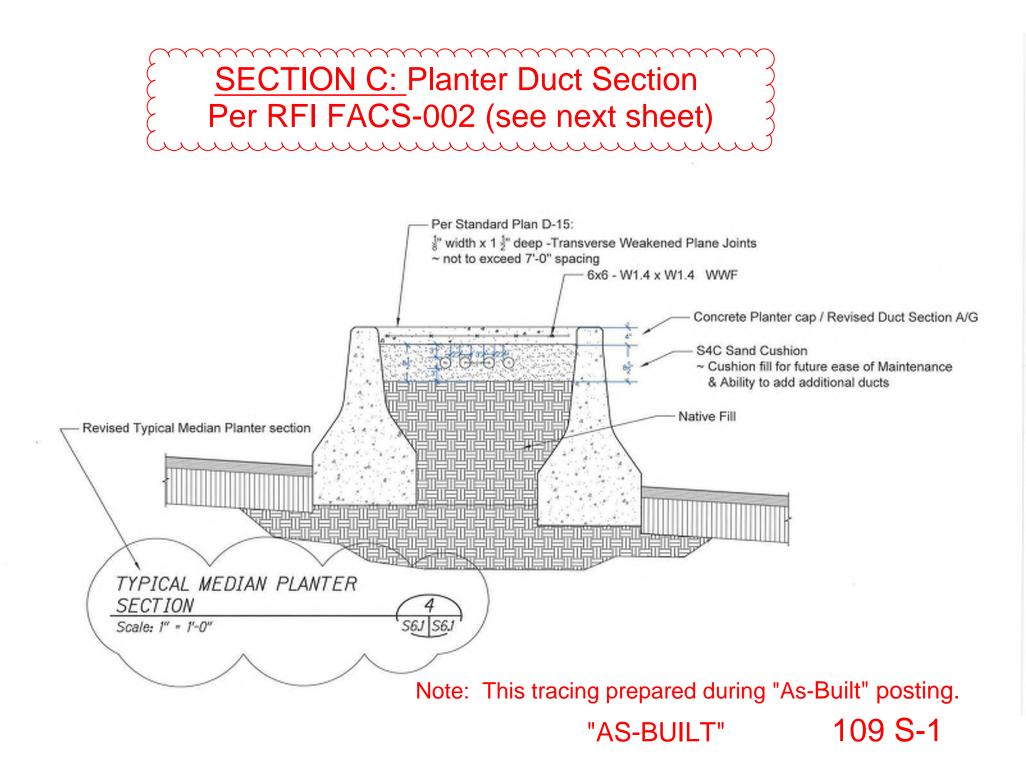
1. "E"=Electric "L"=Light "S"=Traffic Signal "ITSP"=ITS Power "ITSC"=ITS Comm

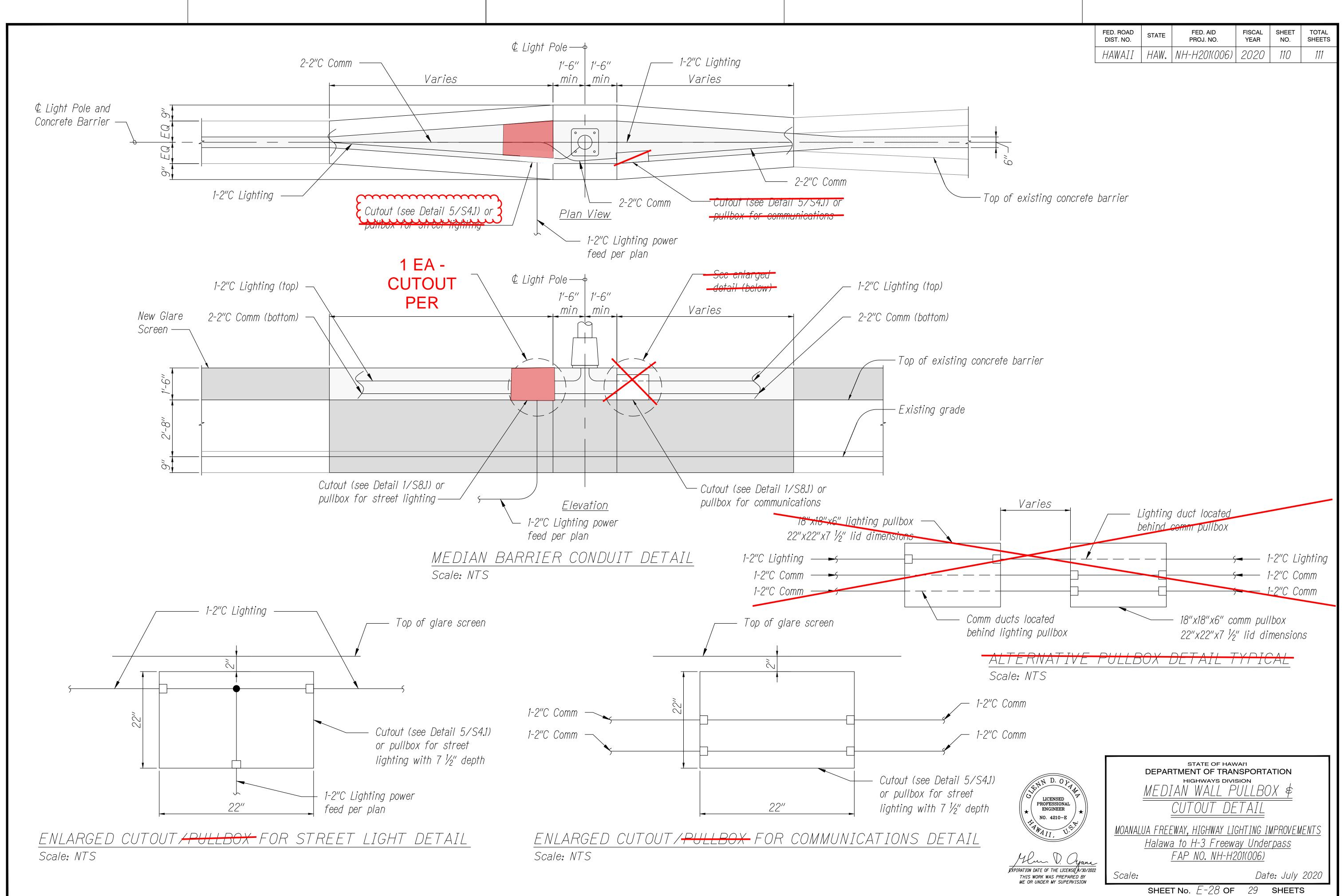
CAUTION-STATE TRAFFIC SIGNAL AND HWY LIGHTING BURIED BELOW — 1 1/2" Series "C" Black Letters

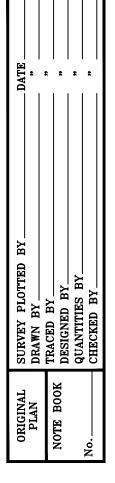
METAL DETECTABL SCALE: NTS



		FED. ROAD DIST. NO.	DIST. NO.       SIMP       PROJ. NO.       YEAR       NO.       SHEETS         HAWAII       HAW.       NH-H2010060       2020       109       111         C: Planter Duct Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)         Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)         Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)         Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)       Image: Section CS-002 (see next sheet)         Image: Section CS-002 (see next sheet)       Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)         Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)         Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)         Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)         Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)       Image: Section CB-002 (see next sheet)         Image: Section CB-002 (see				
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' High Letter(s) ngraved in Marker		3"					
oncrete	SECTION			<u>SECTION</u>	B		
ARKER	<u>DUCT SE</u> Scale: NTS <u>NOTES:</u>	ECTIO	NS				
		de of bridge	es are		-		-
4 1/4"							
NAL AND/OR BELOW				D/OR	/	4''	
	— 5 Mils Thick (Min.) Plastic Warning Ta	pe					
TABLE RED	PLASTIC V	/ARNI	NG	TAPE			
	CHINENSED		DEPAF	HIGHWAYS DIVIS	SION	TION	
	* PROFESSIONAL ENGINEER NO. 4210-E HAIL, U.S.	)) MOANAL	UA FREE	EWAY, HIGHWAY LIG		IPROVEM	<u>IENTS</u>
	Mun D. Oya	na	Halawa	a to H-3 Freewa FAP NO. NH-H2	ay Under		
	¢XPIRATION DATE OF THE LICENSE(∲/3 THIS WORK WAS PREPARED B ME OR UNDER MY SUPERVISIO	r Scale:	SHEE	t No. <i>E-2</i> 7 <b>of</b>	Dati 29	e: July SHEET:	
"AS-BUILT"					109		



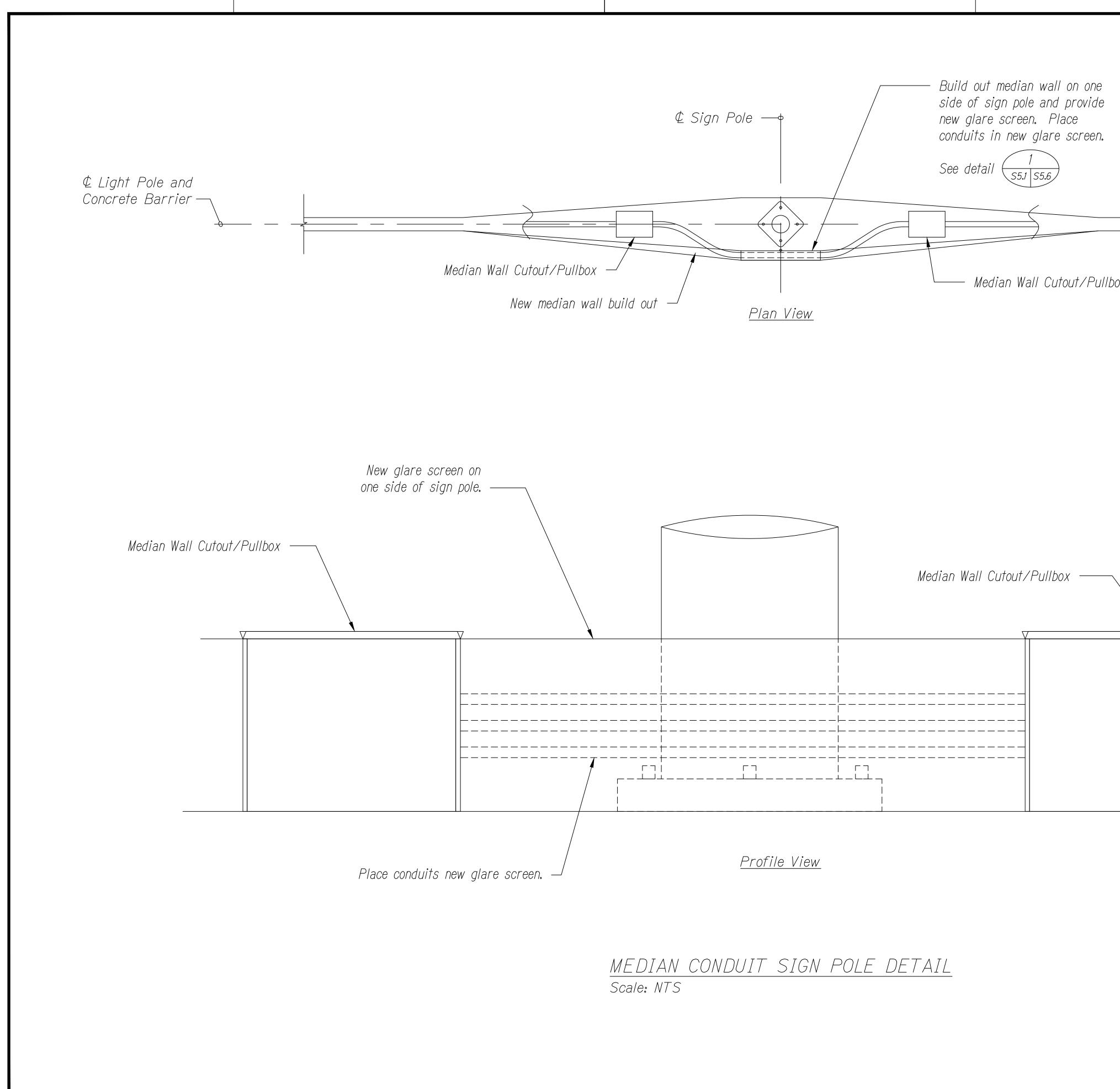






"AS-BUILT"

110



DATE	*	8		*	*	
SURVEY PLOTTED BY	DRAWN BY	TRACED BY	DESIGNED BY	QUANTITIES BY	CHRCKED BY	
ORIGINAL	PLAN		NOTE BOOK		No	

		FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
		DIST. NO.	HAW.	proj. no. <i>NH-H201(006)</i>	year 2020	NO. 111	SHEETS <i>111</i>
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<b>\</b>							
			DEPAF	STATE OF HAW RTMENT OF TRAN HIGHWAYS DIVIS	ISPORTA	TION	
	CTUNN D. OF		MEL	HIGHWAYS DIVIS		GN	
	$\left(\left(\star \left(\begin{array}{c} PROFESSIONAL \\ ENGINEER \\ NO \end{array}\right) \star \right)\right)$			POLE DET	AIL		
	HAII, U.S.V.	<u>MOANAL</u>		EWAY, HIGHWAY LIC			<u>IENTS</u>
	Mun D. Oyana		<u>Halawa</u>	<u>a to H-3 Freew. FAP NO. NH-H2</u>	ay Undel 201(006)	pass	
	EXPIRATION DATE OF THE LICENSE A/30/20 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION	Scale:				e: July	2020
	ME UK UNDER MY SUPERVISION			t No. <i>E-29</i> Of		SHEET	