

	HOF	RIZONTAL	"A" BARS	FOR CAT	CH BASIN	IS		
DEDTU		"L" MAX.						
	DEPTH	4'-0"	6'-0"	7'-4"	8'-4"	9'-4''		
H1	0" to 5'-0"	•5 at 10"	+5 at 10"	•5 at 8"	+5 at 6"	*5 at 5"		
H2	5'-1" to 10'-0"	•5 at 8"	•5 at 8"	•5 at 6"	N.A.	N.A.		
H3	10'-1" to 15'-0"	* 5 at 6"	+5 at 6"	N.A.	N.A.	N.A.		
H4	15'-1" to 20'-0"	•5 at 6"	N.A.	N.A.	N.A.	N.A.		

Note: N.A. - Not Applicable

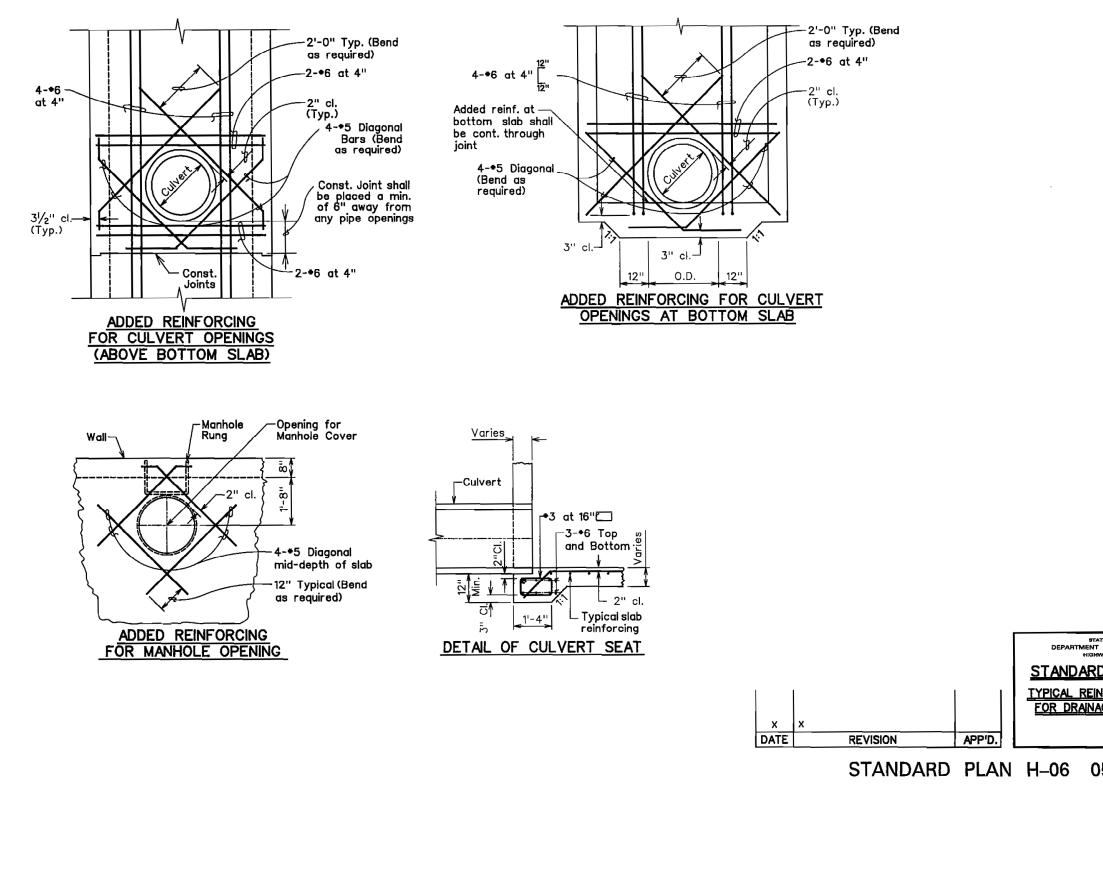
APP'D.

WATERPROOFING DETAILS

REVISION

х DATE

		CTATE	DROJECT	SHEET	TOTAL
		STATE	PROJECT HI A-AD 6(8)	NO. G12	SHEETS G19
Clean ace. Apply of flashing					
of flashing					
		18	DY G. Mel	\sim	
		(ME)	DY G. McLy LICENSED		
STATE OF HAWAS DEPARTMENT OF TRANSPORTATION		/ /PI	ROFESSIONAL	-) _)	
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION				\	
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION			ROFESSIONAL ENGINEER No. 11328-C /	-) _)	
TANDARD PLAN H-(<u>NLS</u>		ROFESSIONAL ENGINEER No. 11328-C /	-) _)	
TANDARD PLAN H-(<u>NLS</u>		ROFESSIONAL ENGINEER No. 11328-C	-) *)	
STANDARD PLAN H-(YPICAL REINFORCING DETA	<u>NLS</u>		ROFESSIONAL ENGINEER No. 11328-C /	-) *)	
STANDARD PLAN H-(YPICAL REINFORCING DETA FOR DRAINAGE STRUCTURE	<u>NLS</u>		ROFESSIONAL ENGINEER No. 11328-C WAII, U.S. WAII, U.S. KMAS PREPARED B KMAS PR	Ty me or N. /30/201	_
STANDARD PLAN H-(YPICAL REINFORCING DETA FOR DRAINAGE STRUCTURE	<u>NLS</u>		ROFESSIONAL ENGINEER No. 11328-C WAII, U.S. KMAS PREPARED B KMAS PREPARED B KM		_
STANDARD PLAN H-(YPICAL REINFORCING DETA FOR DRAINAGE STRUCTURE	<u>NLS</u>	THIS WOR SIGNATURE	ROFESSIONAL ENGINEER No. 11328-C WAII, U.S. KMAS PREPARED B KMAS PREPARED B KM	TION	_
DEPARTMENT OF TRANSPORTATION	<u>NLS</u>	THIS WOR SIGNATURE	No. 11328-C WAII, U.S. WAII, U.S. KMAS PREPARED B KMAS PREPARE	TION	_
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION STANDARD PLAN H-(<u>YPICAL REINFORCING DETA</u> FOR DRAINAGE STRUCTURE	<u>NLS</u>	U.S. DEPARTME FEDERAL HIGH FEDERAL U.S. CUST	ROFESSIONAL ENGINEER No. 11328-C WAII, U.S. KMAS PREPARED B KMAS PREPARED B KM	AL	_
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	NENDY G. MCLA	X
TATE OF HAWAS IENT OF TRANSPORTATION HIGHWAYS DIVISION ARD PLAN H-06 REINFORCING DETALS WAGE STRUCTURES	★ PROFESSIONAL ENGINEER No. 11328-C	*
05/31/07	THIS WORK MAS PREPARED BY JUNDER MY SUPERVISION.	30/2016 TION DATE LICENSE
	U.S. CUSTOMARY SPECIAI (HDOT STD H-06 TYP. REINFORCING DE FOR DRAINAGE STRUC) ETAILS
NO SCALE		SPECIAL 604-C

STATE

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PROJECT

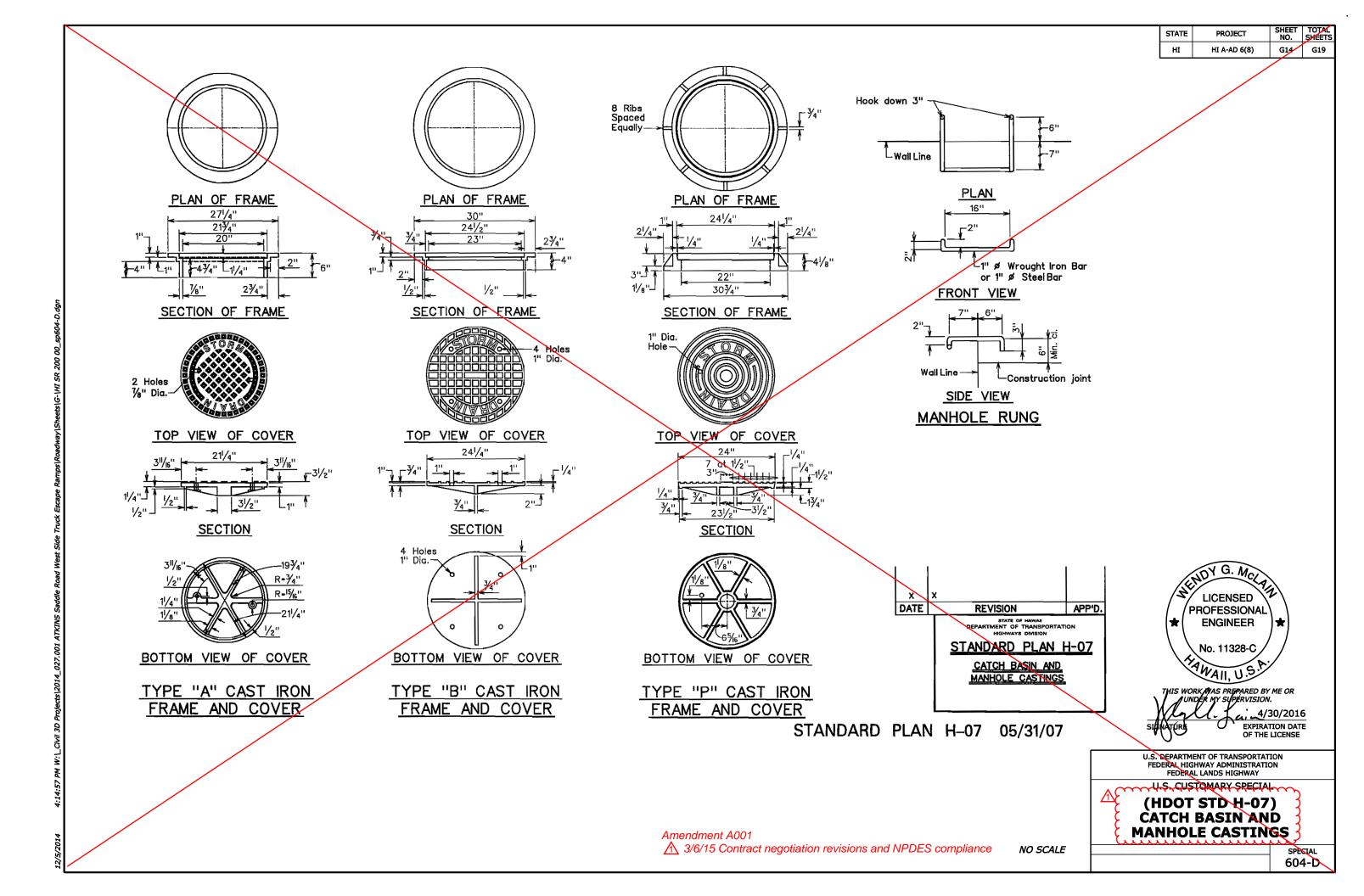
HI A-AD 6(8)

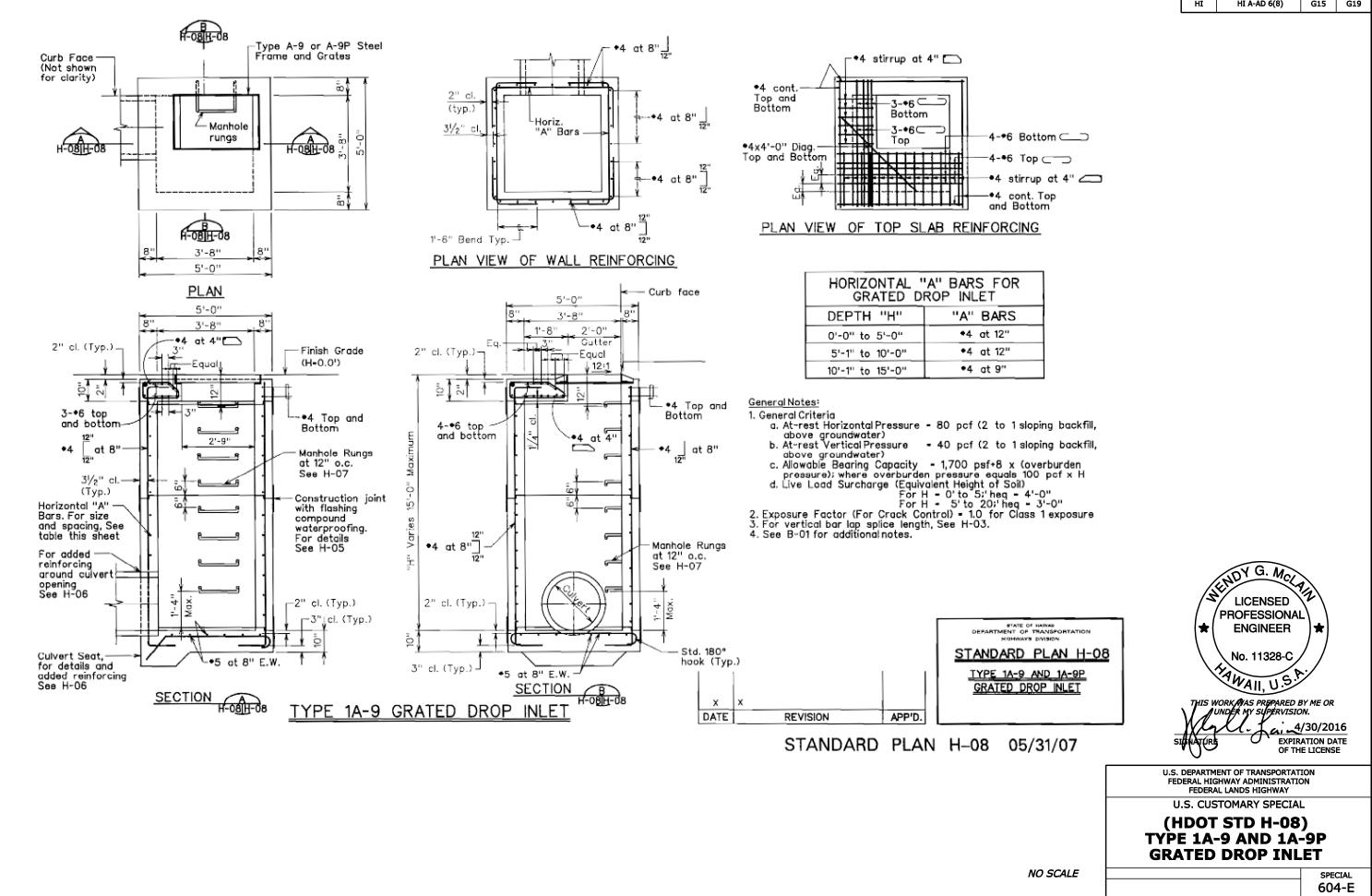
TOTAL SHEETS

G19

SHEET NO.

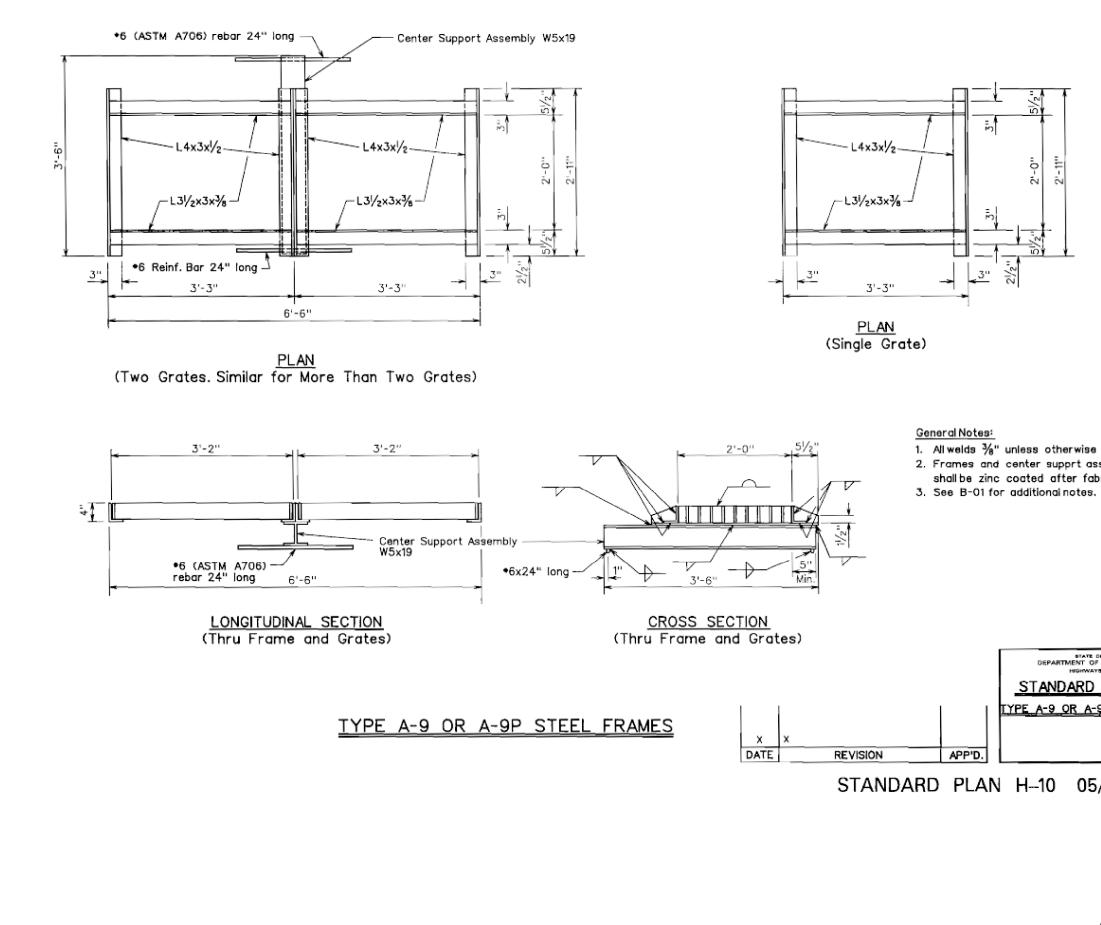
G13



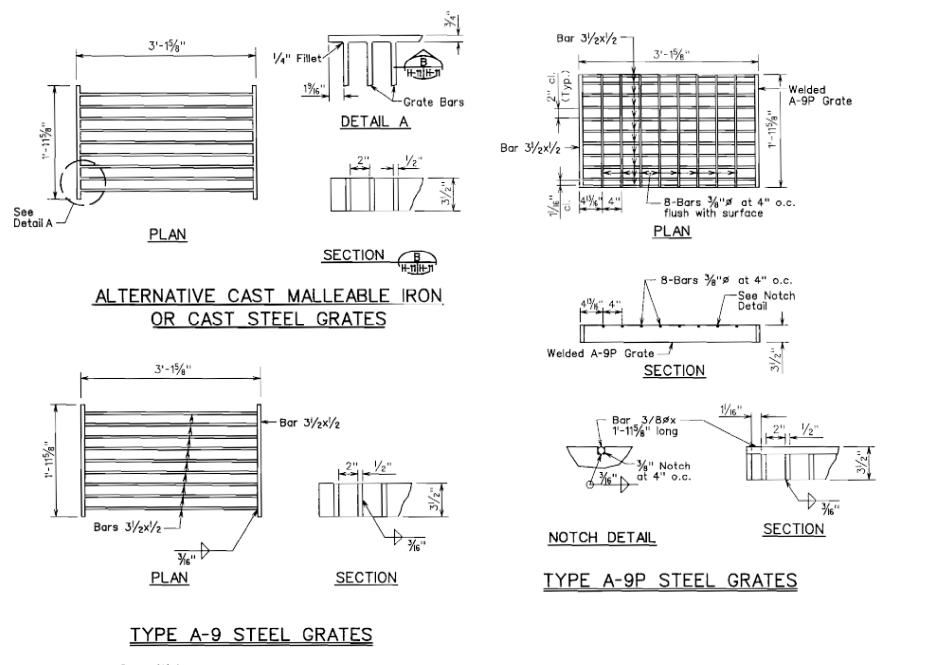


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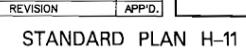


		STATE	PROJECT	SHEET NO.	TOTAL SHEETS
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			/ LICENSED PROFESSIONAI	\	
STATE OF HAWAS		_ ★(ENGINEER	[∟] \★)	
HIGHWAYS DIVISION			ι.	$\left \right $	
ARD PLAN H-10			No. 11328-C	/ /	
<u>R A-9P STEEL FRAM</u>	11-5	X	FAWAII, U.S.P	ン	
		$\sqrt{\Lambda}$	ORK WAS PREPARED E INDER MY SUPERVISIC		
05/21/07		IX		/30/20	
05/31/07		ND CO		E LICENS	
		FEDERA	GHWAY ADMINISTRATI AL LANDS HIGHWAY		
			TOMARY SPECIA		
	<u>(H</u>	IDOT	STD H-10	2	
			-9 OR A-9	۲	
			L FRAMES		
NO SCALE					CIAL 4-F
					r 1



<u>General Notes:</u>

- 1. Contractor has the option of using cast malleable iron, cast steel or welded grate.
- 2. All welds 3/8" unless otherwise noted.
- 3. Grates shallbe zinc coated after fabrication.
- 4. See B-01 for additional notes.



APP'D.

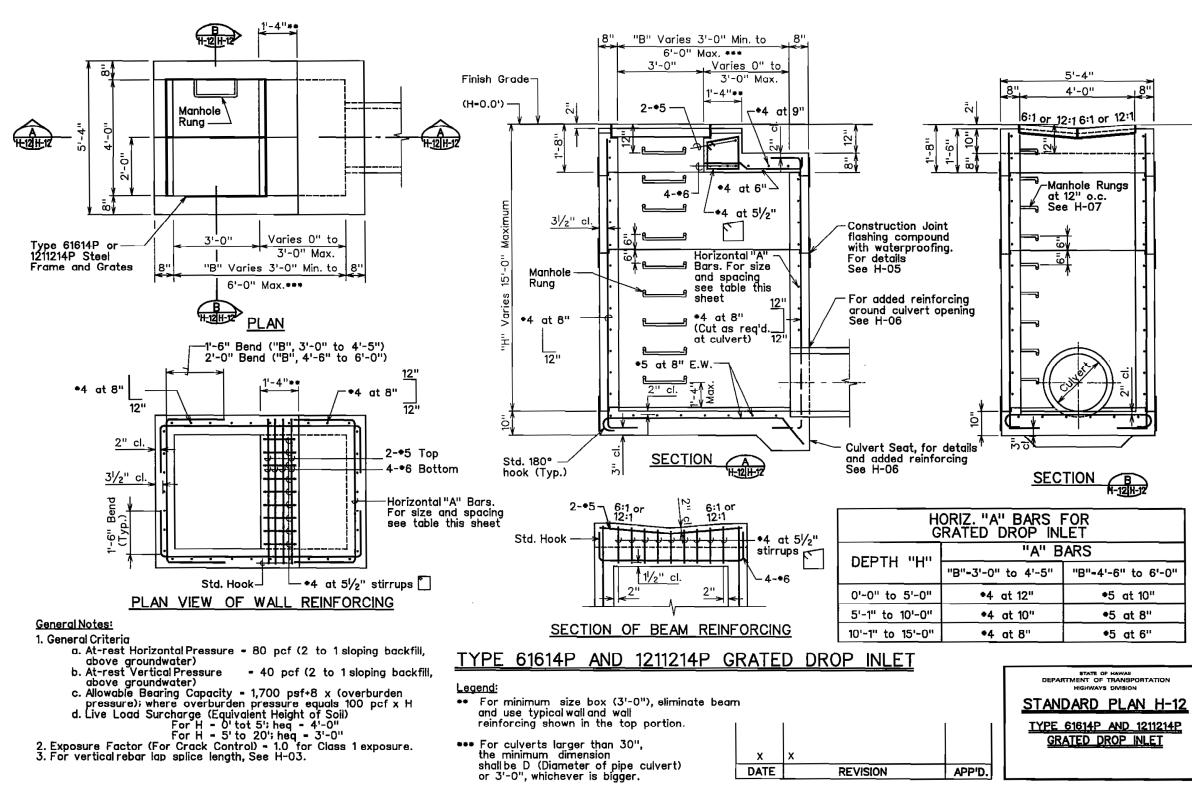
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		/3	LICENSED	1	
			PROFESSION	· · ·	
BTATE OF HAWAS DEPARTMENT OF TRANSPORTATION		_ (★	ENGINEER	_)★	
STANDARD PLAN H-11			No. 11328-C	. / /	
			NU. 11320-C	<u>.</u> ./	
<u>TYPE_A-9_AND_A-9P_</u> STEEL_GRATES			HAWAII, U.S	Ś	
CALL THE CALL AND A STATE OF T		THIS	WORK NAS PREPAREL	BY ME C	DR
		VA			
	-			4/30/2 IRATION	
H–11 05/31/07		VUC			
			NT OF TRANSPORTAT		
	FEDE		HWAY ADMINISTRATI	DN	
	U.9	5. CUS	TOMARY SPECIA	L	
	(H)	DOT	STD H-11)	
	TYI	PE A	-9 OR A-9	P	
			L GRATES		
NO SCALE					CIAL
				60	4-G

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TOTAL



	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	HI	HI A-AD 6(8)	G18	G19
16:1 or 12:1				
OR T				
RS				
"B"-4'-6" to 6'-0"				
•5 at 10"				
•5 at 8"		NDY G. Mc		
•5 at 6"	/4	St. C	1)	

STANDARD PLAN H-12 05/31/07

NO SCALE



(HDOT STD H-12) TYPE 61614 AND 1211214