

**DIVISION 400 - APPROVED  
MATERIAL LIST AND STANDARD  
DETAILS**

DIVISION 400 - APPROVED MATERIAL LIST AND STANDARD DETAILS

**DIVISION 400 - APPROVED MATERIAL LIST AND STANDARD DETAILS**

**SECTION 401 - GENERAL**

This Division shall govern the construction of water system facilities under the jurisdiction of the Department of Water Supply of the various counties in the State of Hawaii.

Requirements peculiar to each department are reflected in these standards by tables and special notes. Also certain features of water system installations which do not readily lend themselves to standardization but are designed and installed according to the special requirements applying to each case shall be subject to special review and approval of the Manager.

Any feature of materials to be installed, or construction methods to be used for any installation within the scope of the Water System Standards, but not specifically described herein, shall be of good quality, according to accepted practice, and shall meet with the approval of the Manager.

Materials are specified as acceptable items by means of the manufacturer's catalog designations or reference numbers rather than by detailed specifications. Such references are frequently changed by the manufacturer. For any modifications to the material and the identification number, the manufacturer shall resubmit the material for review and approval by the Manager prior to incorporation to the water system standards and installation for water system improvements. For any changes to catalog designations, reference numbers and manufacturer's name, a formal letter indicating such changes shall be submitted to the Manager. If any reference number is found to be obsolete, the Manager should be consulted for the latest designation.

If there are any modifications to the standard details as required by the project's scope of work, such modifications shall be shown on the construction plans. Revised details shall be submitted for review and approval by the Manager prior to construction.

Section 402 - APPROVED  
MATERIAL LIST

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>I. PIPES AND APPURTENANCES</b>					
<b>A. Cast Iron Pipe (Ductile), Push-On Joints, Mechanical Joints, Flanged Joints</b>					
1. American Cast Iron Pipe Company, "Fastite"		0	0	0	0
2. Griffin (3-inch to 24-inch for Oahu)		0	0	0	0
3. Pacific States Cast Iron Company		0	0	0	0
4. United States Pipe and Foundry Company, "Tyton", 4" to 64"		0	0	0	0
<b>B. Cast Iron Fittings (Gray or Ductile) AWWA C110</b>					
1. American Cast Iron Pipe Company		0	0	0	0
2. Clow Corporation			0		0
3. Dayton Foundry Company, Ring Type		0		0	
4. Pacific States Cast Iron Company		0	0	0	0
5. Tyler Pipe		0	0	0	0
6. Union Foundry		0			0
7. United States Pipe and Foundry Company		0	0	0	0
<b>C. AWWA C153 (compact) Fittings (For Maui: C110 Glands required)</b>					
1. NAPPCO/SIGMA			0		0
2. Olympic					0
3. Tyler Pipe			0		0
4. United States Pipe and Foundry Company			0		0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>D. PVC C-900 Pipe</b>					
1. Certain-Teed "Vinyl Iron" PVC Pipe		0		0	
2. JM Manufacturing	PVC Class water pipe with Ring-Tite Joint	0		0	
	MOA "Tuff Link" Pipe	0		0	
3. PW Pipe Twinseal C-900 PVC Class 150 Pipe		0		0	
4. Royal Pipe Systems PVC Pressure Pipe (6 and 8 inches, DR 14 and 4 to 12 inches, DR 18)				0	
5. Vinyl Tech CL 150 (4 to 12 inches)				0	
6. Western Plastics V-Lok Pipe, non-pressure lines				0	
<b>E. PVC C-905 Pipe 150 psi</b>					
1. IPEX "Big Brute" (16 to 24 inches, DR 18)				0	
2. JM Manufacturing Co., Inc., (16 to 24 inches, DR 18)				0	
3. PW Pipe (16 to 20 inches, DR 18)				0	
4. Royal Pipe Systems PVC Pressure Pipe (16 and 18 inches, DR 18)				0	
5. Vinyl Tech (16-inch only, DR 18)				0	
<b>F. PVC Fittings AWWA C907</b>					
1. Harco (4 to 8 inches) (8" x 8" Tee not approved for Oahu)				0	
2. IPEX "Blue Brute" (4 to 8 inches) (Must conform to AWWA C907)				0	



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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>G. Gaskets</b>					
1. Anchor Company	421 Duck Inserted	0	0	0	0
2. Clow Corporation	Acopac CS 301, An "Equal" to asbestos in rising and nonrising stem valves			0	
3. Garlock	19	0	0	0	0
4. Romac	Flange Style	0		0	
5. Sacomo Manufacturing Co.	108	0	0	0	0
6. Stockham Valves and Fittings	Rogers non-asbestos D-7301 nonasbestos gasket material, as "an equal" to asbestos for Stackham cast iron valves			0	
	Garlock Blue-Gard Style 3000, as "an equal" to asbestos for Stockham cast iron valves.			0	
7. U.S. Pipe & Foundry Company	Flange-Tyte	0	0	0	0
<b>H. Sheet Packing (Gasket Material)</b>					
1. Clow Corporation	Gasket Acopac CS 301, an "equal" to asbestos in rising and nonrising stem valves			0	
2. John Crane Company	Style 997	0		0	0
3. Johns-Manville Sales Corporation	Packing - "Duro" packing, cut in separate rings, Style S-171	0	0	0	0
4. Mueller Co.	Klingersil C4401, Approved as "an equal" to asbestos for the gasket between the valve body and bonnet.			0	
5. Stockham Valves and Fittings	Garlock Blue-Gard Style 3000, as "an equal" to asbestos for Stockham cast iron valves			0	

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
5. Stockham Valves and Fittings (Cont.)	Rogers Nobestos D-7301 nonasbestos gasket material, as "an equal" to asbestos for Stockham cast iron valves			0	
<b>I. Couplings - Pipelines</b>					
1. Baker	Series 228, 236, 240		0		0 <sup>1</sup>
2. Cascade Manufacturing	433,441			0	
3. Dresser	Style 253	0	0		0 <sup>1</sup>
4. JCM Standard Flex Coupling Adapter	No. 301			0	
5. Johns-Manville Sales Corporation	Tuff-Link FRP Couplings, for 16" Diameter class 150 Coupling Only			0	
6. Powerseal	3501,3502,3503,3504,3511,3512 3521MJ, 3541RT			0	
7. Romac	Style 501, Bolted Flex coupling-Cast Style	0	0	0	0 <sup>1</sup>
	Ringweij Coupling	0		0	
8. Smith-Blair	Series 411,413,415,441		0		0 <sup>1</sup>
	Series 433	0			0 <sup>1</sup>
9. U.S. Pipe	Solid Sleeve U-514	0	0		0 <sup>1</sup>
<b>J. Tapping Sleeves</b>					
1. American Flow Control	MJ Tapping Sleeve Series 1004		0		
	MJ Tapping Sleeve Series 2800-C		0		
	M.J. Split Tapping Sleeve			0	0
2. APAC Tapping Sleeve					0

1 - Long body style only

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DESCRIPTION		APPLICABLE TO			
		Kauai	Hawaii	Oahu	Maui
Manufacturer	Catalog or Model No.				
3. Cascade Co.	Stainless Steel Split Tapping Sleeve Style 600			0	
4. Clow Corp.	MJ Tapping Sleeve, F-5093			0	0
	MJ Tapping Sleeve, F-5205			0	0
5. Ford Meter Box Co.	"FAST" All Stainless Steel	0			
6. JCM	432 Stainless Steel		0		
7. Kennedy	Squareseal Tapping Sleeve			0	
8. M&H Valve and Fitting Co.	Catalog 52, Fig. 74-75			0	
	Catalog 52, Style 974			0	0
9. Mueller Co.	Model H-615	0	0	0	0
	Model H-616		0	0	0
	Model H-619	0		0 <sup>2</sup>	
	Model H-642	0			
	Model H-667	0		0	0
10. Powerseal Pipeline Products	3480 Stainless Steel		0	0	
	3490 All Stainless Steel			0	
11. Romac	"SST" Stainless Steel Tapping Sleeve	0	0	0	
12. Smith-Blair Full Circle Redi Clamp	663 Stainless Steel Tapping Sleeve	0			
13. U.S. Pipe	Smith Dual Compression Seal Tapping Sleeve			0	0
<b>K. Gland</b>					
1. EBAA Iron, Inc.	#9106 Series 600, 6-inch DI and accessories			0	
	Megalug Series 1100, MJ Restraint (4" through 48")	0	0		0
2. Romac, ROMAGRIP Mechanical Joint Restraining Gland		0			

2 - For maximum working pressure of 150 psi

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
3. Standard Water Works Equipment Co., Mechanical joint retainer glands and Kwik-Flanges				0	
4. Sigma Corporation	One-Lok MJ Restraint		0		
5. U.S. Pipe, Ductile Iron Segmented Mechanical Joint 24" through 48"				0	
6. U.S. pipe, Lightweight ductile Iron Mechanical Joint 8" through 12", conforms to section 11-10 of the AWWA C111-90				0	
<b>L. Polywrap</b>					
1. Northtown Company Polyethylene Material		0		0	
2. Repecor, Inc. Polyethylene Material		0	0	0	0
<b>M. Flanged Adapters</b>					
1. Baker	Series 601	0	0	0	0
2. Dresser	Model 227	0	0	0	
3. EBAA Iron, Inc.	MEGAFLANGE Restraint				0
4. JCM Industries	Steel flange coupling adaptor No. 303, Cast/ductile iron composition is required.			0	
5. Mueller Co.	Viking-Johnson FLxFL Dismantling Joint, with 316 SS bolts, and NSF 61 approved coating for components	0		0	0
6. Powerseal Pipeline Products	Style 3521 MJ	0	0	0	
7. Romac Industries, Inc.	Style FCA 501	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
8. Smith-Blair	Series 912, w/thicker gasket, 1" longer bolts & increased stainless steel band cutting width to accommodate thicker gasket	0	0	0	0
	Series 913, 914		0		
9. Uni-Flange	Adaptor Series 400		0		0
	Adaptor Series 420		0		
<b>N. Plugs; Brass</b>					
1. McDonald Co.	Sect. 3, Models 3206, 3208	0	0	0	0
2. Mueller Co.	Catalog W-103, Model H-10033	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>II. VALVES AND APPURTENANCES</b>					
<b>A. Air Relief Valves/Combination Air Valves (ARV)</b>					
1. Low Pressure (0-150 psi)					
a. APCO Willamette (Valve & Primer Corporation)	Catalog 726, Bulletin 600, Model 50 with 1" inlet and 3/32" orifice, working pressure 0-150 psi	0			
	Catalog 726, Bulletin 600, Model 65 with 3/4" inlet and 1/8" orifice, working pressure 0-150 psi			0	0
	Catalog 726, Bulletin 600, Model 200 with 2" inlet and 3/8" orifice, working pressure 0-150 psi			0	0
b. Armstrong Machine Works	1-AV with 3/4" inlet, working pressure 0-150 psi			0	
c. Fisher Automatic Air Vent Traps	Type 30, with 2" inlet and 3/8" orifice, working pressure 0-100 psi			0	0
d. GA Industries	Figure 912, with 3/4" inlet and 1/8" orifice			0	
	Figure 922, with 2" inlet and 3/8" orifice			0	
e. Multiplex Manufacturing Company, Crispin Pressure Air Valves	P20 with 2" inlet and 3/8" orifice, working pressure 0-100 psi			0	0
	P20 with 2" inlet and 5/16" orifice, working pressure 0-150 psi			0	0
	Midget M-8 with 3/4" inlet and 1/8" orifice, working pressure 0-150 psi			0	
	Midget M-10 with 1" inlet and 1/16" orifice, working pressure 0-150 psi	0			
f. Powerseal Pipeline Products	Style 5401, Model D with 1" inlet and 3/16" orifice, working pressure 0-150 psi	0			

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DESCRIPTION		APPLICABLE TO			
		Kauai	Hawaii	Oahu	Maui
g. Val-Matic Valve & Manufacturing	Bulletin 15, 15A.3 with 1" inlet and 1/16" orifice, working pressure 0-150 psi	0			
	No. 25.5 with 3/4" inlet, working pressure 0-150 psi, 1/8" orifice			0	
	No. 38.2 with 2" inlet, working pressure 0-150 psi, orifice 1/4" for pipes 20" to 30", orifice 3/8" for pipes 36" and larger			0	
	No. 45 with 2" inlet, working pressure 0-150 psi, orifice 1/4" for pipes 20" to 30", orifice 3/8" for pipes 36" and larger			0	
2. High Pressure (Higher than 150 psi)					
a. APCO Willamette (Valve & Primer Corporation)					
1. Air Release Valves	Catalog 726, Bulletin 600, Model 200 with 2" inlet and 7/32" orifice, working pressure 0-250 psi			0	0
	Catalog 726, Bulletin 600, Model 200-A with 1" inlet and 5/32" orifice, working pressure 0-250 psi		0	0	0
	Catalog 726, Bulletin 600, Model 205 with 2" inlet and 5/16" orifice, working pressure 0-250 psi			0	0
2. Air / Vacuum Valves	Catalog 726, Bulletin 601, Model 142 - 1" inlet, working pressure 0-300 psi				0
	Catalog 726, Bulletin 601, Model 144 - 2" inlet, working pressure 0-300 psi				0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
3. Combination Air Valves	Catalog 726, Bulletin 623, Model 143C "Heavy Duty" Combination Air Release Valves 1" inlet	0	0		0
	Catalog 726, Bulletin 623, Model 145C "Heavy Duty" Combination Air Release Valves 2" inlet		0		0
b. Armstrong Machine Works Air Relief Valves	2-AV with 3/4" inlet, working pressure 0-250 psi			0	
	6-AV with 2" inlet, working pressure 0-250 psi			0	
c. Fisher Automatic Air Vent Traps	Type 30, with 1" inlet and orifice size of No. 48 drill, working pressure 0-300 psi			0	0
d. GA Industries	Figure 912, with 3/4" inlet and 3/32" orifice			0	
	Figure 922, with 2" inlet and 7/32" orifice			0	
e. Multiplex Mfg. Co. Crispin Universal Air Valve	UL10, working pressure 0-250 psi, Combination Valve	0	0		
	UL20, working pressure 0-250 psi		0		
	Midget M-8 with 3/4" inlet and 3/32" orifice, working pressure 0-250 psi			0	
f. Powerseal Pipeline Products	Style 5403, Model A with 1" inlet and 5/64" orifice, working pressure 0-300 psi	0			
g. Val-Matic Valve & Manufacturing Corp.	Bulletin 200, Combination Air Valve 201C	0	0		
	Bulletin 200, Combination Air Valve 202C		0		
	No. 25.6 with 3/4" inlet, working pressure 0-300 psi, 7/64" orifice			0	
	No. 38.6 with 2" inlet, working pressure 0-300 psi, orifice 3/16" for pipes 20" to 30", orifice 5/16" for pipes 36" and larger			0	



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DESCRIPTION		APPLICABLE TO			
		Kauai	Hawaii	Oahu	Maui
Manufacturer	Catalog or Model No.				
g. Val-Matic Valve & Manufacturing Corp. (cont.)	No. 45.5 with 2" inlet, working pressure 0-300 psi, orifice 3/16" for pipes 20" to 30", orifice 5/16" for pipes 36" and larger			0	
<b>B. Gate Valves, 4" and Larger</b>					
1. 150-Pound Valves:					
a. A.P. Smith (V-56-10M, metropolitan series 3000 in sizes 14" to 48" incl.)				0	
b. American Flow Control				0	0
c. Clow Corp.	Book 91, Model F-5062, Hub end			0	
	Book 91, Model F-5065, MJ			0	0
	Book 91, Model F-5070, FE			0	0
	Book 91, Model F-5080 in sizes 14" thru 48", Push on			0	
d. Kennedy Valve Mfg. Co.	Cat. 94A, Model 561, FE			0	0
	Cat. 94A, Model 566, OS & Y				0
	Cat. 94A, Model 571, MJ			0	0
	Cat. 94A, Model 572, MJ x FE			0	0
e. Mueller	Cat. E1, Model A-2380-6, FE			0	0
	Cat. E1, Model A-2380-16, MJ x FE			0	0
	Cat. E1, Model A-2380-20, MJ			0	0
	Cat. E1, Model A-2380-38			0	
	Cat. E1, Model A-2380-41			0	
	Cat. E1, Model A-2380-48			0	
	Cat. E1, Model A-2483-6 in sizes 14" to 48"			0	

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Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
f. Stockham	Catalog 83, Model G-743-0			0	
	Catalog 83, Model G-745-0			0	
	Catalog 83, Model G-746-0			0	
	Catalog 83, Model G-747-0 in sizes 14" to 16"			0	
2. 200-Pound Valves:					
a. American	Type AWWA C-500				0
b. A.P. Smith	V-56-10M Metropolitan Series 3000 in sizes 4" to 12" incl.	0		0	
c. Clow Corp.	List 16 extra heavy pressure gate valve in sizes 24" to 30"	0		0	0
	Model F-5062	0		0	
	Model F-5065, MJ	0		0	0
	Model F-5066, MJ X FE	0		0	0
	Model F-5070, FE	0		0	0
	Model F-5072, FE-OS&Y	0		0	0
	Model F-5080 in sizes 4" thru 12"	0		0	
d. Kennedy Valve Mfg. Co.	Catalog No. 94A, Model 561, FE	0		0	0
	Catalog No. 94A, Model 566, FE, OS & Y				0
	Catalog No. 94A, Model 571, MJ	0		0	0
	Catalog No. 94A, Model 572MJ X FE	0		0	0

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		Kauai	Hawaii	Oahu	Maui
<u>Manufacturer</u>	<u>Catalog or Model No.</u>				
e. Stockham	Catalog 83, Model G-743-0	0		0	
	Catalog 83, Model G-745-0	0		0	
	Catalog 83, Model G-746-0	0		0	
	Catalog 83, Model G-747-0 in sizes 4" to 12"	0		0	
3. 250-Pound Valves					
a. American Flow Control (4 to 12 inches)		0			0
b. Clow Corp.	16 Extra Heavy Pressure Gate Valve 4" to 20"	0		0	0
c. Kennedy Valve Mfg. Co.	Catalog 94A, Model 561, FE	0		0	0
	Catalog 94A, Model 566, FE, OS & Y				0
	Catalog 94A, Model 571, MJ	0		0	0
	Catalog 94A, Model 572X all extra heavy Class 250, MJ x FE	0		0	0
d. Mueller	Model A-2393-6, FE	0			0
	Model A-2393-20, MJ	0			0
	Model A-2484-6, FE, OS&Y	0			0
4. Resilient Wedge (AWWA C509)					
a. American AVK Co.	Series 25 Resilient Wedge	0	0		
b. American Flow Control	Series 500 Resilient Wedge, 200 psi	0	0		0
	Series 2500, 250 psi				0
c. Clow Corp.	Sizes 4" thru 12" Series 6100	0	0	0	0
	F-6114 (4"-12")	0 <sup>3</sup>			

3 - For use as a tapping valve only

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
d. Kennedy Valve Mfg. Co.	4571, 4572, 4561, 4057, 4950	0			0
	Ken-Seal II Series 4000 (3"-12")			0	
e. M&H	Series 4067; 01, 13, 02, 07				0
	4751-01				0
f. Mueller	Model A2360 Resilient Wedge	0	0	0	0
	T-2360-16 (4"-12")	0 <sup>3</sup>			
g. Stockham	Resilient Wedge			0	
h. US Pipe & Foundry Co.	Metroseal 250, 4" thru 20", 250 psi	0	0	0	0
	5860 (4"-12")	0 <sup>3</sup>			
<b>C. Butterfly Valves and Manual Operators for underground service (All valves and operators shall be subject to Manager's approval)</b>					
1. Butterfly Valves					
a. (BIF Industries) Dezurik					
b. (Allis Chalmers) Stream Seal					
c. Crane Co. (Stockham)	(Not full body / wafer)			0	
d. Kennedy Valve Company	Catalog BFV-77, Model ADAP-TORQ	0	0	0	0
	Model 30A & 50A shall be used w/approved 90-deg. operator			0	
e. M&H	Style 1450 (30"-48")	0	0	0	0
	Style 4500 (4"-24")	0	0	0	0
f. Mueller Company	Model B3211-6,FE		0	0	0
	"Linesal III", 150 psi	0			0
	XP, 250 psi		0		0

3 - For use as a tapping valve only

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
		Kauai	Hawaii	Oahu	Maui
g. Henry Pratt Company	HP 250 Triton 10" and above		0		
	"Groundhog" (For Underground Service)	0	0		0
2. Manual Operator					
a. American Flow Control			0	0	0
b. Clow Corp.				0	0
c. Kenneth Elliot Company				0	
d. Kennedy Valve Company				0	0
e. M&H				0	0
f. Mueller Company	"Lineseal III"	0	0	0	0
g. Philadelphia Gear Corporation			0	0	0
<b>D. Service Valves, 3" and Smaller</b>					
1. Gate Valves					
a. American	Model 27-FE	0	0	0	0
	Model 27-M-MJ	0	0	0	0
	Model 28-HF	0		0	0
	Model 28-H-RT	0		0	0
b. Crane Co.	Model 438, Bronze	0	0	0	0
c. Fairbanks	Model 250	0		0	0
d. Hammond Valve Corp.	Model 645	0	0	0	0
	Models 606, 609, 665		0		
e. Kennedy	Catalog 86, Model 427	0	0	0	0
f. Kitz Valves	Model AKH27	0		0	

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
g. Milwaukee Valve Co.	Models 105, 1104, 1105	0	0	0	
h. Nibco	Models T-113	0	0	0	0
i. Ohio Brass Co.	Model 2500	0	0	0	0
j. Ohio Injector Company	Model 7108	0	0	0	
k. Powell Co.	Catalog 11, Model 507	0		0	
l. Red & White		0		0	
m. (Stockham) Crane Co.	B-103 Non-asbestos, 1/4" thru 3"		0		
	Catalog 57, Model B-115	0	0	0	0
n. Walworth	Catalog 52, Model 4	0	0	0	0
2. Ball Valves					
a. Ford Co.	Model B11, 3/4" to 2" (FIPT)		0		0
	Model B11(R), 3/4" to 2" (FIPT)			0	
	HB-67 S, HB-34 S (Handles)				0
b. James Jones Co.	Model J-1900		0		0
	Model J-1905			0	
c. A.Y. McDonald Mfg. Co.	Model 6101 (6120 Handle)				0
d. Mueller	Model 300, B-20283				0
	99000 (Handle)				0
e. A.P. Smith	Hackensack Type 4				0

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>E. Check Valves</b>					
1. Vertical Check Valves					
a. Crane Co.	Model 29, Bronze	0	0	0	0
b. Kennedy Valve Manufacturing Co.	Catalog 86, Model 490	0	0	0	0
c. Ohio Brass Co.	Model 104	0	0	0	0
2. Swing Check Valves					
a. (125-pound Steam)					
1. Crane Co.	Model 37				0
2. Fairbanks	Model 0640 & 0642	0		0	0
3. Lunkenheimer	Catalog 66, Model 2144	0	0	0	0
4. A.Y. McDonald Mfg Co.	2050T	0	0	0	0
5. Milwaukee	Catalog C-161, Model 509	0	0	0	
6. Nibco	Models T-413-B	0	0	0	0
7. Ohio Brass Co.	Models 106 & 806	0	0	0	0
8. Stockham	Catalog 57, Model B-319	0	0	0	0
9. Walworth	Catalog 52, Model 406	0	0	0	0
b. (150-pound Steam)					
1. Keystone					0
c. (200-pound Steam)					
1. Crane	Model 36	0	0	0	0
2. Lunkenheimer	Catalog 66, Model 554	0	0	0	0
3. Milwaukee Valve Co.	Catalog 508		0		
4. Mueller	Catalog A-2600		0		0
5. Nibco	T-453-B	0	0	0	0

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
6. Ohio Brass Co.	Model 806	0	0	0	0
7. Stockham	Catalog 57, Model B-345	0	0	0	0
8. Walworth	Catalog 52, Model 420	0	0	0	0
3. Horizontal Lift Check Valves (200-pound Steam)					
a. Fairbanks	Model 0608	0		0	0
b. Lunkenheimer	Catalog 66, Model 414	0	0	0	0
4. Inline Spring					
a. Ford Meter Box Co.	Single breast check valve, Model HS-11, 1-1/2" & 2"				0
	Straight cartridge style dual check valve, 3/4" & 1"				0
5. Silent Check Valves					
a. APCO Willamette (Valve & Primer Corporation)	Catalog 726, Bulletin 640, APCO 300 & 600 series		0		0
b. Powerseal Pipeline Products	Pipe Economy Book, Models 636, 329				0
c. Val-Matic Valve & Mfg. Co.	Bulletin 1400 & 1800 series		0		



DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>F. Hydraulic Control Valves</b>					
1. Ames Co.			0		
2. CLA-VAL Co.		0	0		0
3. Pratt	Ball valve for booster pump control		0		
<b>G. Valve Box, Castings (For Oahu &amp; Hawaii only: Valve box castings shall conform with Standard Details)</b>					
1. D & L Foundry	Castings (Frames and Covers)				0
2. M&H	Model E-2702				0
3. Star	V8562A HD 6" slip valve box				0
4. Tyler	Model 6855				0
	Model 6895-1 (3-inch and Smaller Valves)	0			
	Model 6865 with No. 6 Round Base (4-inch and Larger Valves)	0			
<b>H. Manhole Castings (For Oahu &amp; Hawaii only: Manhole castings shall conform to Standard Details)</b>					
1. Olympic	Model MH 19A/S				0
2. Star	MHHID28BWS8				0

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>III. SERVICE LATERALS, FITTINGS AND APPURTENANCES</b>					
<b>A. Ball Corps</b>					
1. Ford Meter Box Co., Inc.	FB 400	0			
	FB 800, 2 ½" x 2"	0		0	
	FB 1600, 1" to 2"				0
2. James Jones	J-1932				0
	J-1944 (Hawaii)			0	
3. A.Y. McDonald Mfg. Co.	3121, ¾" - 2"	0	0		
	3128B	0		0	
	3148B				0
4. Mueller Co.	B-2996			0	
	B-20045				0
5. Romac/Hays	Ball Corporation Stop	0			
<b>B. Flux</b>					
1. Englehard Co.	General Purpose Soldering Flux	0		0	
2. J W Harris Co.	Stay Clean Flux	0	0		0
3. Lake Chemical Co.	"La-co Flux"; Regular;	0	0	0	0
4. Mueller	"Streamline" No. 50	0	0	0	0
5. Oatey	Oatey Paste Flux and #95 Tinning Flux	0	0	0	
6. RectorSeal Corp.	Uniflux Soldering Paste	0		0	

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
		Kauai	Hawaii	Oahu	Maui
Manufacturer	Catalog or Model No.				
<b>C. Solder</b>					
1. American Smelting & Refining Co.	"ASARCO" Federated Wire Solder, Grade 50-50	0	0	0	0
2. Englehard Corp.	Silvabrite 100	0	0	0	0
3. J. W. Harris Co. Inc.	Stay-Safe 50 and Stay-Safe Bridgit	0	0		0
4. Mueller Co.	"Streamline" No. 50		0	0	0
5. Oatey Co.	Safe Flo	0	0	0	0
6. RSR Corp.	50/50 1/8-inch Wire		0		
7. Taracorp Industries Inc.	Taramet Sterling Lead Free	0		0	0
	Dutch Boy	0		0	0
<b>D. Service Lateral Fittings</b>					
1. American Brass Co.	"Anaconda"	0	0	0	0
2. Elkhart Products Corp.	Cast bronze threaded fittings, Cast copper alloy fittings for flared copper tube, bronze pipe flanges and flanged fittings		0	0	
3. Ford Meter Box Co.	Service Couplings				0
	Pack Joint Couplings	0			
4. Grabler			0		
5. James Jones	Bronze Service Fittings				0
6. Lee Brass Company		0	0	0	0
7. Lee Brothers Foundry Company		0	0	0	0
8. A.Y. McDonald Mfg. Co.	Bronze Service Fittings				0
	Mac-Pak 4753-22			0	
	Mac-Pak 4754-22			0	
	Mac-Pak 4758-22			0	
9. Merit Brass	Brass products		0		

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
10. Mueller Co.	"Streamline"	0	0	0	0
	Bronze service Fittings				0
	Model H-15451 straight coupling		0		
11. Nibco Company		0	0	0	0
12. Phelps-Dodge Copper Products	"P-D"	0	0	0	0
<b>E. Ball Stops</b>					
1. Ford Meter Box Co. Inc.	Model B11 (female x female)	0	0		0
	Model B11(R)			0	
	Model B41		0		
	Model B44		0		
2. James Jones Co.	Catalog J, Model J-181 HS (Honolulu Special)	0			
	Catalog J, Model J-215		0		
	Catalog J, Model J-1900 Series		0		0
	Catalog J, Model J-1900W Series			0	0
	Model J-1944-LP			0	
3. A. Y. McDonald Mfg. Co.	6101, ¾" - 2"		0		0
	6111		0	0	
4. Mueller Co.	B20283-3 (w/ lock wings, for Oahu only), B25209R-3		0	0	
	B20283				0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>F. Ball Meter Valves</b>					
1. Ford Meter Box Co., Inc.	Model B13	0	0	0	0
	Model B41	0	0	0	
	Model B43	0	0	0	
	Model B44	0	0	0	
	Model BF13	0	0	0	0
	Model BF43	0	0	0	
	B13-342W with HT-34 handle	0			
	B13-444W (1" Meter)	0			
	BF13-676W (1-1/2" Meter)	0			
	BF13-787W (2" Meter)	0			
2. James Jones Co.	Catalog J, Model 215			0	
	Model J-1908 (1" x 3/4")	0			
3. A.Y. McDonald Mfg. Co.	Model 6100 MW (2" meter)	0			
	Model 6100 MW-22 (3/4" - 2")		0		
	Model 6101 M (1" x 3/4")	0			
	Model 6101 MW (1" x 3/4")	0			
<b>G. Water Meter Union Couplings</b>					
1. Ford Meter Box Co. Inc.	Model CF, CT		0		
	Lok Pak		0		0
2. Hays	5680 NM			0	
3. A.Y. McDonald Mfg. Co.	Model 4629			0	
	Model 4620 (3/4"-2")		0		
4. Neptune Water Meter Union Couplings		0	0	0	

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>H. Copper Pipe</b>					
1. Cerro Copper Tubes	C-122 seamless, Type K, soft copper tubing	0	0	0	0
	Type K Soft temper copper tubing		0		
	Seamless Type K	0		0	
2. Kembla	Type K, seamless water tube			0	0
3. Mueller Brass Co.	Catalog S-361, "Streamline" Seamless Copper Tube, Type K	0	0	0	0
4. Noranda Metal	Type K, Soft copper tubing		0		
5. Reading Tube Corporation	Type K	0		0	0
6. Wolverine Tubing, Inc.	Type K, Soft copper, seamless, 1/4" through 2 1/2"		0		
	Type K (for Oahu only, 1" - 2-1/2" only; must meet ASTM B-88 dimensional requirements)	0		0	
<b>I. Polyethylene Pipe</b>					
1.	Dupont Polyethylene pipe copper tube size tubing, series 160, in 3/4-inch and 1-inch size only			0	
2.	Phillips Driscopipe 5100 (Copper Tubing Size), polyethylene			0	
3.	Nipak-Xtra High Density Polyethylene Water Service Pipe (Copper Tube Size SDR9)			0	
<b>J. Service Saddles</b>					
1. Cascade Co.	Style No. CS1	0 <sup>4</sup>			
	Style No. CS22	0 <sup>4</sup>			
2. Ford	202B with AWWA tap	0 <sup>4</sup>	0		0

4 - Not applicable for use with PVC pipes

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
3. James Jones	Catalog J, Model J975	0 <sup>4</sup>			
	Catalog J, Model J979	0 <sup>4</sup>		0	0
4. A.Y. McDonald Mfg. Co.	3825 Bronze Double Strap	0 <sup>4</sup>	0	0 <sup>4,6</sup>	0
	3801 Bronze Single Strap	0 <sup>5</sup>			
	3805 Bronze Single Strap	0 <sup>5</sup>			
	3815 Bronze Single Strap	0 <sup>4</sup>			
5. Mueller	Catalog W-103, Sect. 6, Bronze Single and Double Strap with CC Type thread	0 <sup>4</sup>	0		
	BR1B Bronze Single Strap	0 <sup>4</sup>			
	BR2B Bronze Double Strap	0 <sup>4</sup>			0
	H-13000 Series	0 <sup>5</sup>			
6. Nappco Baker	Series 183-0 Bronze Double Strap	0 <sup>4</sup>			0
	Bulletin 1K, Bronze Series 182-0, 183-0	0 <sup>4</sup>	0		
7. Powerseal Pipeline Products	Model 3407	0 <sup>4</sup>			
	Model 3408	0 <sup>4</sup>			
8. Romac Industries	Series 202 B	0		0 <sup>5,6</sup>	0
	Series 305, 306	0 <sup>5</sup>			
9. Smith-Blair	321all bronze with Single Strap	0 <sup>4</sup>	0		
	323 all bronze with Double Strap	0 <sup>4</sup>	0		0

- 4 - Not applicable for use with PVC pipes
- 5 - For use with PVC pipes only
- 6 - For Oahu only: service saddle shall be bronze with double stran

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>K. Meter Boxes (For Oahu &amp; Hawaii only: Meter boxes shall conform with Standard Details)</b>					
1. Precast Inc.	Type X Meter Box	0			
2. Armorcast Products Company	Type B Meter Box	0			
3. Ford Cast Iron					0
<b>L. Valve Boxes (For Oahu &amp; Hawaii only: Valve boxes shall conform with Standard Details)</b>					
1. Non-Traffic Type					
a. Ametek	10-181-014/015				0
2. Traffic Type					
a. Olympic	M1020, 10"x8" frame & cover				0
b. Star	HVB BWS, 12" ring & cover				0
<b>M. Manhole rungs (steps) - Copolymer Polypropylene</b>					
1. Lane International	P-10938	0		0	
	P-14850	0		0	
	P-14938	0		0	
2. M.A. Industries		0		0	



DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>N. Angle Valve</b>					
1. Ford	BA13-342W for Service Laterals	0			
	BA13-444W (1" Meter)	0			
	BFA13-666W (1-1/2" Meter)	0			
	BFA13-777W (2" Meter)	0			
	BA11-344W for Air Release Valve Assembly	0			
2. James Jones	J-1966W Angle Meter Valve (1" x 3/4")	0			
3. A.Y. McDonald Mfg. Co.	Model 4604 BF (1")	0			
	Model 4604B (1" x 3/4")	0			
4. Mueller	B-24265 (1" x 3/4")	0			

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>IV. FIRE HYDRANTS</b>					
<b>A. Wet Barrel</b>					
1. Clow Corp.	East Bay Model 5-B	0			0
	850 Series (Lightweight)	0		0	0
	Long Beach Model 425	0		0	0
	Long Beach Model 611 with chain	0			0
2. James Jones	Model 3740 (Bronze)			0	
	Model J4040H			0	
	Model J4040 (Lightweight)	0			0
<b>B. Dry Barrel</b>					
1. American Flow Control	Model B-62-B		0		
2. Kennedy	Catalog 94A, Model K-11		0		
3. M&H	Catalog 52, Traffic Model Compression Type		0		
4. Mueller	Modern Centurion		0		
	Super Centurion 250 Model A-423		0		
	Centurion		0		
<b>C. Wharf Head</b>					
1. James Jones	Model J-344	0			

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>D. Fire Hydrant Connector</b>					
1. Gradelok	6" x 12"		0		

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>V. PAINTS AND COATINGS</b>					
<b>A. Paint Schedule for New Surfaces</b>					
<b>1. Ferrous Metals: (Interior and Exterior)</b>					
a. Benjamin Moore	Prime: Benjamin Moore M45/M46 Epoxy Mastic Coating (4.0-7.0 mils DFT)		0		
	Finish: Benjamin Moore M74/M75 Aliphatic Urethane Gloss (2.5-4.0 mils DFT)		0		
b. Dupont System	Prime: Dupont 25P Epoxy Mastic (3-5 mils DFT)	0	0	0	0
	Finish: Dupont Imron 333 Polyurethane Enamel (2 mils DFT)	0	0	0	0
c. ICI-Devoe System  Or	Prime: ICI-Devoe Bar-Rust 235 Multi-Purpose Epoxy Coating, 5.9-11.7 mils WFT, (4-8 mils DFT)	0	0	0	0
	Finish: ICI-Devoe Devthane 359 Aliphatic Urethane Gloss Enamel, 6.7-10 mils WFT, (4-6 mils DFT)	0	0	0	0
	Finish: ICI Devoes Coatings Devthane 379 Gloss Aliphatic Urethane @ 335-500 sf/gal (3.2-4.8 wet; 2.0-3.0 mils DFT)		0		
d. Rust-Oleum System	Prime: A-08-4501 Vinyl Wash Prime Mix pre-measured gallon with plastic quart of A-97-4502 Activator. Spray one (1) coat at 0.5 mils. May be recoated after five (5) minutes.	0	0	0	0
	Intermediate: Rust-Oleum 9369 or 9381 Epoxy Primer (2 mils DFT)	0	0	0	0
	Finish: Rust-Oleum 9400 system Rust-O-Thane (Polyurethane-2 mils DFT)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
e. Sinclair System	Prime: Sinclair's PA 72 Corrosion Resistant Epoxy Metal Primer (2 mils DFT)	0	0	0	0
	Finish: Sinclair UR2 Sinthane Gloss Enamel (2 mils DFT)	0	0	0	0
f. Valspar/Mobil System	Prime: Valspar/Mobil Val-Chem HI Build Epoxy, 89 Series (4 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Mobilthane Enamel, 40 series, 3 parts Base component to 1 part 40-T-2 Curing Agent, (2 mils DFT) Aliphatic Urethane	0	0	0	0
g. Wasser High Tech Coatings	Prime: MC-Zinc, zinc-rich, single component, moisture-cure polyurethane, (3 mils DFT)			0	
	Intermediate: MC-Ferrox B, micaceous iron oxide-filled, single component, moisture-cure polyurethane (3 mils DFT), or MC-CR, single component, moisture-cure polyurethane, if topcoat is light color, (3 mils DFT)			0	
	Topcoat: MC-Luster single component, moisture-cure, aliphatic polyurethane (3 mils DFT)			0	
h. Carboline	Super Hi Gard				0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>2. Galvanized Metals (Interior and Exterior)</b>					
a. Benjamin Moore	Pretreatment: Benjamin Moore M83 Oil and Grease Emulsifier		0		
	Prime: Benjamin Moore M45/M46 Epoxy Mastic Coating (4.0-7.0 mils DFT)		0		
	Finish: Benjamin Moore M74/M75 Aliphatic Urethane Gloss (2.5-4.0 mils DFT)		0		
b. Dupont System	Prime: Dupont 25P Epoxy Mastic (3-5 mils DFT)	0	0	0	0
	Finish: Dupont Imron 333 Polyurethane Enamel (2 mils DFT)	0	0	0	0
c. ICI-Devoe    Or	Surface Preparation: ICI-Devoe Devprep 88 Heavy duty Cleaner	0	0	0	0
	Prime: ICI-Devoe Bar-Rust 235 Multi-Purpose Epoxy Coating, 5.9-11.7 mils WFT, (4-8 mils DFT)	0	0	0	0
	Finish: ICI-Devoe Devthane 359 aliphatic Urethane gloss Enamel, 6.7-10 mils WFT, (4-6 mils DFT)	0	0	0	0
	Finish: ICI Devoe Coatings Devthane 379 Gloss Aliphatic Urethane @ 335-500 sf/gal (3.2-4.8 wet; 2.0-3.0 mils DFT)		0		
d. Rust-Oleum System	Surface Preparation: Rust-Oleum A-08-4501 Vinyl Wash Prime Mix pre-measured gallon with plastic quart of A-97-4502 Activator	0	0	0	0
	Prime: Rust-Oleum 9369 or 9381 Epoxy Primer (2 mils DFT)	0	0	0	0
	Finish: Rust-Oleum 9400 system Rust-O-Thane (Polyurethane 2 mils DFT)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
e. Sinclair System	Pretreatment: 7113 Vinyl Wash Primer	0	0	0	0
	Prime: Sinclair's PA 72 Corrosion Resistant Epoxy Metal Primer (2 mils DFT)	0	0	0	0
	Finish: Sinclair UR2 Sinthane Gloss Enamel (2 mils DFT)	0	0	0	0
f. Valspar/Mobil System	Prime: Valspar/Mobil Val Chem Vinly Wash Primer, 13-Y-8, (0.5 mil DFT)	0	0	0	0
	Intermediate: Valspar/Mobil Bal-Chem HI Build Epoxy, 89 Series (4 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Mobilthane Enamel, 40 Series, 3 parts Base Component to 1 part 40-T-2 Curing Agent, (2 mils DFT) Aliphatic Urethane	0	0	0	0
g. Wasser High Tech Coatings	Surface Prep: Acid Etch Using 7-10% Hydrochloric Acid Solution			0	
	Primer/Topcoat: MC-Luster, Single Component, Moisture-cure, Aliphatic Polyurethane (3 mils DFT)			0	
<b>3. Factory Finished Metals: (Interior and Exterior)</b>					
a. Benjamin Moore	Pretreatment: Benjamin Moore M83 Oil and Grease Emulsifier		0		
	Prime: Benjamin Moore M35 Epoxy Penetrating Bonding Sealer (2.0-4.0 mils DFT)		0		
	Finish: Benjamin Moore M74/M75 Aliphatic Urethane Gloss (2.5-4.0 mils DFT)		0		

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
b. Dupont System	Intermediate: Dupont 25P Epoxy Mastic (3-5 mils DFT)	0	0	0	0
	Finish: Dupont Imron 333 Polyurethane Enamel (2 mils DFT)	0	0	0	0
c. ICI-Devoe System    Or	Pre-treatment: ICI Devoe Coatings Devprep 88 Heavy Duty Cleaner (Rinse thoroughly, until all foaming stops)		0		
	Prime: ICI-Devoe Bar-Rust 235 Multi-Purpose Epoxy Coating, 5.9-11.7 mils WFT, (4-6 mils DFT)	0	0	0	0
	Finish: ICI-Devoe Devthane 359 Aliphatic urethane gloss enamel, 6.7-10 mils WFT, (4-6 mils DFT)	0	0	0	0
	Finish: ICI Devoe Coatings Devthane 379 Gloss Aliphatic Urethane @ 335-500 sf/gal (3.2-4.8 wet; 2.0-3.0 mils DFT)		0		
d. Rust-Oleum System	Intermediate: Rust-Oleum 9369 or 9381 Epoxy Primer (2 mils DFT)	0	0	0	0
	Finish: Rust-Oleum 9400 system Rust-O-Thane (Polyurethane 2 mils DFT)	0	0	0	0
e. Sinclair System	Prime: Sinclair's PA 72 Corrosion Resistant Epoxy Metal Primer (2 mils DFT)	0	0	0	0
	Finish: Sinclair UR2 Sinthane Gloss Enamel (2 mils DFT)	0	0	0	0
f. Valspar/Mobil System	Intermediate: Valspar/Mobil Val Cham HI Build Epoxy, 89 Series (4 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Mobilthane Enamel, 40 Series, 3 parts Base Component to 1 part 40-T-2 Curing Agent (2 mils DFT) Aliphatic Urethane	0	0	0	0



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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
g. Wasser High Tech Coatings	Intermediate: MC-Miomastic, Micaceous Iron Oxide Filled Single Component, Moisture-Cure Polyurethane, (3 mils DFT), or MC-CR, Single Component, Moisture-Cure Polyurethane, if Topcoat is Light Color (3 mils DFT)			0	
	Topcoat: MC-Luster, Single Component, Moisture-Cure, Aliphatic Polyurethane (3 mils DFT)			0	
h. Carboline	Super Hi Gard				0
<b>4. Aluminum Surfaces</b>					
a. Benjamin Moore	Pretreatment: Benjamin Moore M83 Oil and Grease Emulsifier		0		
	Prime: Benjamin Moore M35 Epoxy Penetrating Bonding Sealer (2.0-4.0 mils DFT)		0		
	Finish: Benjamin Moore M74/M75 Aliphatic Urethane Gloss (2.5-4.0 mils DFT)		0		
b. Dupont System	Surface Preparation: Wipe with Dupont T-8054	0	0	0	0
	Prime: Dupont 25P Epoxy Mastic (3-5 mils DFT)	0	0	0	0
	Finish: Dupont Imron 333 Polyurethane Enamel (2 mils DFT)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
c. ICI-Devoe System	Surface Preparation ICI-Devoe Devprep 88 Heavy Duty Cleaner	0	0	0	0
	Prime: ICI-Devoe Bar-Rust 235 Multi-Purpose Epoxy Coating, 5.9-11.7 mils WFT, (4-8 mils DFT)	0	0	0	0
	Finish: ICI-Devoe Devthane 359 Aliphatic Urethane Gloss Enamel, 6.7-10 mils WFT, (406 mils DFT)	0	0	0	0
	Prime: ICI Devoe Coatings Devran 205 Universal Epoxy Primer @ 230-465 sf/gal (4.0-7.0 mils wet; 2.0-4.0 mils DFT)		0		
	Finish: ICI Devoe Coatings Devthane 379 Gloss Aliphatic Urethane @ 335-500 sf/gal (3.2-4.8 wet; 2.0-3.0 mils DFT)		0		
d. Rust-Oleum System	Surface Preparation: Rust-Oleum A-97-4501 Vinyl	0	0		0
	Prime: Rust-Oleum 9369 or 9381 Epoxy Primer (2 mils DFT)	0	0	0	0
	Finish: Rust-Oleum 9400 system Rust-O-Thane (Polyurethane 2 mils DFT)	0	0	0	0
e. Sinclair System	Surface Prep: Surfaces must be clean, dry and free of foreign substances which may impair adhesion. Sand surface to roughen to provide a mechanical tooth.	0	0	0	0
	Prime: Sinclair's PA 72 Corrosion Resistant Epoxy Metal Primer (2 mils DFT)	0	0	0	0
	Finish: Sinclair UR2 Sinthane Gloss Enamel (2 mils DFT)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
f. Valspar/Mobil System	Surface Preparation: Wipe with solvent	0	0	0	0
	Prime: Valspar/Mobil Val-Chem HI Build Epoxy, 89 Series (4 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Mobilthane Enamel, 40 Series, 3 parts Base Component to 1 part 40-T-2 Curing Agent. (2 mils DFT) Aliphatic Urethane.	0	0	0	0
g. Wasser High Tech Coatings	Surface Prep: Scarify to produce a Profile			0	
	Prime: MC-CR, Single Component, Moisture-Cure, polyurethane, (3 mils DFT)			0	
	Topcoat: MC-Luster, Single Component, Moisture-Cure, Aliphatic Polyurethane (3 mils DFT)			0	
<b>5. Overflow Pipe</b>					
a. Inertol No. 49		0	0	0	
<b>6. Masonry Surfaces (Exterior)</b>					
a. Ameritone System	Prime: Ameritone PA010 APF Latex Block Filler	0	0	0	0
	Finish: Ameritone W200 Exterior Vinyl Bond Acrylic Paint	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
b. Benjamin Moore	Prime: Benjamin Moore M88 Latex Block Filler (8.0-10.0 mils DFT or 60-75 sq. ft. per gallon)		0		
	Finish: Two Coats; Benjamin Moore 170 SuperSpec House and Trim Paint - Semi-gloss Finish (1.1-2.0 mils DFT)		0		
c. Chemprobe System	2 coats Chemprobe Corporation Prime-A-Pell 200 Masonry waterproofing (500 sq. ft./gal./coat)	0	0	0	0
d. ICI-Devoe System	Prime: ICI Devoe Coatings 4000 Bloxfil Interior/Exterior Heavy Duty Acrylic Block Filler @ 50-75 sf/gal (15.5-32.0 wet; 7.0-14.5 mils DFT)	0	0	0	0
	Finish: (2 coats) 2406 Dulux Professional Exterior 100% Acrylic Semi-Gloss Finish @ 300-400 sf/gal (4.1-5.4 wet; 1.5-2.0 mils DFT per coat)	0	0	0	0
	Prime: ICI-Devoe Bloxfil 4000 Interior/Exterior Heavy Duty Acrylic Block Filler; 15.5-32.0 mils wet film thickness (7.0-14.5 mils DFT)	0	0	0	
	Finish: (2 coats) ICI Paint 2200-XXXX Decrashield Exterior 100% Acrylic Flat Finish Paint; 1.6-2.1 mils DFT	0	0	0	
e. Rust-Oleum System	Prime: Rust-Oleum 5199 Block Filler (Fill Pores)	0	0	0	0
	Finish: Rust-Oleum 5700 system Water Reducible Acrylic (2 mils DFT)	0	0	0	0
f. Sinclair System	Prime: (One Coat) Sinclair 1010 Vinyl Block Coater (50 sq. ft./gal.)	0	0	0	0
	Finish: (One Coat) Sinclair 4400 Aqua Life Enamel (@ a maximum rate of 350 sq. ft./gal.)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
g. Valspar/Mobil System	Prime: Valspar/Mobil Latex Block Filler, 79-W-8, 50 sq. ft./gal.	0	0	0	0
	Finish: Valspar/Mobil Water Acrylic Enamel, 42 Series (2 mils DFT)	0	0	0	0
h. Wasser High Tech Coatings	Prime: MC-CR, Single Component, Moisture-Cure, Polyurethane Thinned 20% with Wasser MC Thinner to Penetrate Seal, (3 mils DFT)			0	
	Finish: MC Luster, Single Component, Moisture-Cure, Aliphatic Polyurethane, (3 mils DFT)			0	
i. Carboline	Acrylic				0
<b>7. Masonry Surfaces (Interior)</b>					
a. Benjamin Moore	Prime: Benjamin Moore M88 Latex Block Filler (8.0-10.0 mils DFT or 60-75 sq. ft. per gallon)		0		
	Finish: Two Coats; Benjamin Moore 170 SuperSpec House and Trim Paint - Semi-gloss Finish (1.1-2.0 mils DFT)		0		
b. ICI-Devoe System	Prime: ICI-Devoe Bloxfil 4000 Int./Ext. Heavy Duty Acrylic Block Filler, 15.5-32 mils WFT, (7-14.5 mils DFT)	0	0	0	0
	Finish: Two Coats, ICI-Devoe Tru-Glaze WB 4408-XXXX/4408-9999 Waterborne Epoxy Gloss coating, 5-11 mils WFT, (2-5 mils DFT)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
c. Rust-Oleum System	Prime: Rust-Oleum 5199 Block Filler (Fill Pores)	0	0	0	0
	Finish: Rust-Oleum 9300 system H.D. Epoxy (2 mils DFT)	0	0	0	0
d. Sinclair System	Prime: (One Coat) Sinclair 1010 Vinyl Block Coater (50 sq. ft./gal.)	0	0	0	0
	Finish: (Two Coats) Sinclair AF15-11 Epogloss Epoxy Enamel (2.5-3.5 mils DFT)	0	0	0	0
e. Valspar/Mobil System	Prime: Valspar/Mobil Val-Chem HI Build Epoxy, 89 Series (4 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Mobilthane Enamel, 40 Series, 3 parts Base Component to 1 part 40-T-2 Curing Agent, (2 mils DFT) Aliphatic Urethane	0	0	0	0
f. Carboline					0
<b>8. Concrete Surfaces (Exterior)</b>					
a. Ameritone System	Prime: Ameritone E8051 Elastomeric Epoxy Ester Primer	0	0	0	0
	Finish: Ameritone W200 Exterior Vinyl Bond Acrylic Paint	0	0	0	0
b. Benjamin Moore	Prime: Benjamin Moore M88 Latex Block Filler (8.0-10.0 mils DFT or 60-75 sq. ft. per gallon)		0		
	Finish: Two Coats; Benjamin Moore 170 SuperSpec House and Trim Paint - Semi-gloss Finish (1.1-2.0 mils DFT)		0		
c. Chemprobe System	1 coat Chemprobe Corporation Prime-A-Pell 200 Masonry waterproofing (500 sq. ft./gal.)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
d. ICI-Devoe System	Prime: ICI Devoe Coatings 4030 Tru-Glaze-WB Waterborne Epoxy Primer @ 200-270 sf/gal (4.0-8.0 mils wet; 2.0-4.0 mils DFT)		0	0	0
	Finish: (2 coats) 2406 Dulux Professional Exterior 100% Acrylic Semi-Gloss Finish @ 300-400 sf/gal (4.1-5.4 wet; 1.5-2.0 mils DFT per coat)		0	0	
	Or Finish: (2coats) ICI Devoe Coatings 4408 Tru-Glaze-WB Waterborne Epoxy Gloss Coatings @ 235-320 sf/gal (5.0-11.0 wet; 2.0-5.0 mils DFT per coat)				0
e. Sinclair System	Prime: (One Coat) Sinclair 18 Epoprime (@ a maximum rate of 250 sq. ft./gal.)	0	0	0	0
	Finish: (One Coat) Sinclair 4400 Aqua Life Enamel (@ a maximum rate of 350 sq. ft/gal)	0	0	0	0
	Or Finish: (One Coat) Sinclair 130 Stuc-O-Life (@ a maximum rate of 300 sq. ft./gal.)	0	0	0	
f. Valspar/Mobil System	Prime: Valspar/Mobil Latex Block Filler, 79-W-8, 50 sq. ft./gal.	0	0	0	0
	Finish: Valspar/Mobil, Water Acrylic Enamel, 42 Series (2 mils DFT)	0	0	0	0
g. Wasser High Tech Coatings	Prime: MC-CR, Single Component, Moisture-Cure, Polyurethane Thinned 20% with Wasser MC Thinner to Penetrate Seal, (3 mils DFT)			0	
	Finish: MC-Luster, Single component, Moisture-Cure, Aliphatic Polyurethane, (3 mils DFT)			0	
h. Carboline	Acrylic				0

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DESCRIPTION		APPLICABLE TO				
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui	
<b>9. Concrete Surfaces (Interior)</b>						
a. Benjamin Moore	Prime: Benjamin Moore M88 Latex Block Filler (8.0-10.0 mils DFT or 60-75 sq. ft. per gallon)		0			
	Or	Finish: Two Coats; Benjamin Moore 170 SuperSpec House and Trim Paint – Semi-gloss Finish (1.1-2.0 mils DFT)		0		
		Finish: Benjamin Moore M43/M44 Acrylic Epoxy Gloss Coating (1.5-3.0 mils DFT)		0		
b. ICI-Devoe System	Prime: ICI Devoe Coatings 4030 Tru-Glaze-WB Waterborne Epoxy Primer @ 200-270 sf/gal (4.0-8.0 mils wet; 2.0-4.0 mils DFT)		0		0	
	Finish: (2coats) ICI Devoe Coatings 4408 Tru-Glaze-WB Waterborne Epoxy Gloss Coatings @ 235-320 sf/gal (5.0-11.0 wet; 2.0-5.0 mils DFT per coat)		0		0	
	Prime: ICI-Devoe Devran 201 Universal Epoxy Primer; 4.0-6.0 mils wet film thickness (2.0-3.0 mils DFT)			0	0	
	Finish: (2coats) ICI-Devoe Tru-Glaze WB 4408-XXXX/4408-999 Waterborne Epoxy Gloss Coatings; 5.0-11.0 mils wet film thickness (2.0-5.0 mils DFT)			0	0	
c. Carboline	Acrylic				0	



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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>10. Wood (Exterior)</b>					
a. Benjamin Moore	Prime: Benjamin Moore 024 Fresh Start All-Purpose Alkyd Primer (1.5-2.5 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore 110 Moore's House Paint Gloss (1.5-2.5 mils DFT)		0		
b. ICI-Devoe System   Or	Prime: ICI Paint 2110-1200 Ultra-Hide Durus Exterior Alkyd primer, 3-4 mils WFT, (2-3 mils DFT)	0	0	0	0
	Finish: One or Two Coats, ICI Paint 2518-XXXX Ultra-Hide Durus Exterior Gloss Paint, 3-4 mils WFT, (2-3 mils DFT)	0	0	0	0
	Finish: (2coats) ICI Devoe Coatings 4208 Devflex Interior/Exterior Waterborne Acrylic Gloss Enamel @ 330-430 sf/gal (3.5-5.0 wet; 1.5-2.0 mils DFT per coat)		0		
c. Dutch Boy System	Prime: Dutch Boy 200-16 Exterior Wood Prime (400 SF per gal.)	0		0	0
	Finish: Dutch Boy 201-10 Exterior House & Trim Enamel (400 SF per gal.)	0		0	0
d. Sinclair System   Or	Prime: (One Coat) Sinclair 289 Exterior Wood Primer (300 sq. ft./gal.)	0	0	0	0
	Finish: (One Coat) Sinclair GE2 Sash & Trim Enamel (400 sq. ft./gal.)	0	0	0	0
	Finish: Sinclair 7500 Sintec Industrial Enamel (400 sq. ft./gal.)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
e. Valspar/Mobil System	Prime: Valspar/Mobil Exterior First Coater, 17-W-4, (3 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Panorama Coatings, 12 Series, (2 mils DFT)	0	0	0	0
<b>11. Wood, Other than Mahogany or Hardwood (Interior)</b>					
a. Benjamin Moore	Prime: Benjamin Moore 024 Fresh Start All-Purpose Alkyd Primer (1.5-2.5 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore 235 Satin Impervo Enamel (1.0-1.5 mils DFT)		0		
b. ICI-Devoe Paint System	Prime: ICI Paint 1110-1200 Ultra Hide Stain Jammer Primer/Sealer, (1-2 mils DFT)	0	0	0	0
	Finish: Two Coats, ICI Paint 1516-XXXX Alkyd Semi-Gloss Interior Wall and Trim Enamel, 3 mils WFT, (1-2 mils DFT)	0	0	0	0
	Prime: 1120 Ultra-hide Oil/Alkyd Interior Wood Undercoater @ 400-450 sf/gal (3.0-3.5 wet; 2.0-2.5 mils DFT)		0		0
	Finish: (2 coats) ICI Devoe Coatings 4208 Devflex Interior/ Exterior Waterborne Acrylic Gloss Enamel @ 330-430 sf/gal (3.5-5.0 wet; 1.5-2.0 mils DFT per coat)		0		0
c. Dutch Boy System	Prime: Dutch Boy 200-17 Interior Alkyd Wall & Wood Primer (400 SF per gal.)	0		0	0
	Finish: Dutch Boy 211-XX Series Alkyd Semi-Gloss Finish (450 SF per gal.)	0		0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
d. Sinclair System	Prime: (One Coat) Sinclair 985 Sintec Undercoater (350 sq. ft./gal.)	0	0	0	0
	Finish: (One Coat) Sinclair 7800 Sintec Semi-Gloss (450 sq. ft./gal.)	0	0	0	0
e. Valspar/Mobil System	Prime: Valspar/Mobil Sovalex Enamel Undercoater, 47-W-5, (1.5 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil M & F Enamel, 20 Series, (2 mils DFT)	0	0	0	0
<b>12. Mahogany &amp; Hardwood (Interior Only)</b>					
a. Benjamin Moore	Prime: Benjamin Moore 413 Benwood Sanding Sealer Primer (1.0 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore 419 Benwood Fast Dry Clear Varnish Gloss (1.0-1.5 mils DFT)		0		
b. Devoe System	Filler: Devoe 4800 Wonder Woodstain Paste Wood Filler	0	0	0	0
	Sealer: Devoe 4900 Wonder Woodsealer Quick Dry Wood Sealer	0	0	0	0
	Finish: Devoe 87 Spar #5500 Mirrothane Polyurethane Varnish Gloss	0	0	0	0
	Stain: 1700 Woodpride Interior Oil Wood Finish Stain (If applicable) @ 400-600 sf/gal		0		
	Sealer: 1908 Woodpride Interior Polyurethane Gloss Varnish @ 500-600 sf/gal (thinned 1 pint per gal.)		0		

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DESCRIPTION		APPLICABLE TO			
		Kauai	Hawaii	Oahu	Maui
Manufacturer	Catalog or Model No.				
b. Devoe System (cont.)	Finish: (2 coats) 1908 Woodpride Interior Polyurethane Gloss Varnish @ 500-600 sf/gal (2.7-3.2 wet; 1.2-1.5 mils DFT per coat)		0		
c. Dutch Boy System	Prime: Dutch Boy 70-64 Alkyd Sanding Sealer (Tint to match wood) (400 SF per gal.)	0		0	0
	Finish: Dutch Boy V170-05 Urethane Clear Gloss (2 coats) (500 SF/gal)	0		0	0
d. Sinclair System	Filler: Tinted to Match Wood	0	0	0	0
	Finish: (Two Coats) Sinclair RV-152 Plast-O-Gloss (400 sq. ft./gal.)	0	0	0	0
<b>13. Concrete Reservoirs (Interior)</b>					
a. Benjamin Moore	Stripe Coat: Benjamin Moore M62 Potable Water Epoxy Gloss Coating; All Corners, Welds, & Sharp Edges (4.0-6.0 mils DFT)		0		
	Finish: Two or Three Coats; Benjamin Moore M62 Potable Water Epoxy Gloss Coating (4.0-6.0 mils DFT). Consult Data Sheet For Application Instructions		0		
b. Carboline	Super Hi Gard (epoxy) 891	0	0		0
c. Sika Chemical Corp.	Sika Gard 62 High Build Epoxy	0	0		0
d. Engard	Engard 460HS Chemical Resistant Epoxy	0	0		0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
e. ICI-Devoe System	Prime: ICI-Devoe Coatings PRE-PRIME 167 Epoxy Primer Sealer		0		
	Finish: ICI-Devoe Coatings BAR-RUST 233H, Multi-Purpose Epoxy Coating 4.0 - 6.0 DFT per coat		0		
<b>14. Anti-Graffiti Coating System</b>					
a. Benjamin Moore	Prime: Benjamin Moore M45/M46 Epoxy Mastic Coating (4.0-7.0 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore M74/M75 Aliphatic Urethane Gloss (2.5-4.0 mils DFT)		0		
b. ICI-Devoe System	Prime: ICI Devoe Coatings Pre-prime 167 Penetrating Sealer Coverage varies depending on surface texture and porosity		0		
	Intermediate: ICI Devoe Coatings Bar-Rust 235 Multi-Purpose Epoxy Coating @ 130-250 sf/gal (5.9-11.7 mils wet; 4.0-8.0 mils DFT)		0		
	Finish: ICI-Devoe Coatings Devthane 379 Gloss Aliphatic Urethane @ 335-500 sf/gal (3.2-4.8 wet; 2.0-3.0 mils DFT)		0		

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>B. Paint Schedule for Existing Surfaces</b>					
<b>1. Ferrous Metal Items (Interior and Exterior - Rust Retained)</b>					
a. Benjamin Moore	Prime: Benjamin Moore M45/M46 Epoxy Mastic Coating (4.0-7.0 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore M74/M75 Aliphatic Urethane Gloss (2.5-4.0 mils DFT)		0		
b. ICI-Devoe System  Or	Prime: ICI-Devoe Bar-Rust 235 Multi-Purpose Epoxy Coating, 5.9-11.7 mils WFT, (4-8 mils DFT)	0	0	0	0
	Finish: ICI-Devoe Devthane 359 Aliphatic urethane Gloss Enamel, 6.7-10 mils WFT, (4-6 mils DFT)	0	0	0	0
	Finish: ICI Devoe Coatings Devthane 379 Gloss Aliphatic Urethane @ 335-500 sf/gal (3.2-4.8 wet; 2.0-3.0 mils DFT)		0		
c. Dupont System	Prime: Dupont 25P Epoxy Mastic (3-5 mils DFT)	0	0	0	0
	Finish: Dupont Imron 333 Polyurethane Enamel (2 mils DFT)	0	0	0	0
d. Rust-Oleum System	Prime: Rust-Oleum 9369 Epoxy Primer (2 mils DFT)	0	0	0	0
	Finish: Rust-Oleum 9400 system Rust-O-Thane (Polyurethane 2 mils DFT)	0	0	0	0
e. Sinclair System	Prime: Sinclair's PA 72 Corrosion Resistant Epoxy Metal Primer (2 mils DFT)	0	0	0	0
	Finish: Sinclair UR2 Sinthane Gloss Enamel (2 mils DFT)	0	0	0	0

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
f. Valspar/Mobil System	Prime: Valspar/Mobil Val-Chem HI Build Epoxy, 89 Series, (4 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Mobilthane Enamel, 40 Series, 3 parts Base Component to 1 part 40-T-2 Curing Agent, (2 mils DFT) Aliphatic Urethane	0	0	0	0
g. Wasser High Tech Coatings	Surface Prep: SSPC SP2 for Light Service or SSPC SP3 for More Severe Service			0	
	Prime: MC-Prepbond (1.5 mils DFT) for SSPC SP2, or MC-Miozinc, Micaceous Iron Oxide/Zinc Rich, Single Component, Moisture-cure Polyurethane, (3 mils DFT) for SSPC SP3			0	
	Topcoat: MC-Luster, Single Component, Moisture-cure, Aliphatic Polyurethane (3 mils DFT)			0	
h. Carboline	Carboline 890 polyurethane				0
<b>2. Existing Concrete, Masonry and Plaster (Exterior)</b>					
a. Ameritone System	Prime: Ameritone E8051 Elastomeric Epoxy Ester Primer	0	0	0	0
	Finish: Ameritone W200 Exterior Vinyl Bond Acrylic Paint	0	0	0	0
b. Benjamin Moore	Prime: Benjamin Moore CLF29/30 Waterborne Epoxy Primer/Sealer (2.0-4.0 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore 170 SuperSpec House and Trim Paint – Semi-Gloss Finish (1.1-2.0 mils DFT)		0		

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DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
c. Dutch Boy System	Prime: 200-19 Dutch Boy-Alkyd Masonry Conditioner (150 SF per gal.)	0		0	0
	Finish: 217-XX Dutch Boy Exterior Latex Finish (400 SF per gal.)	0		0	0
d. ICI-Devoe System  Or	Prime: ICI Devoe Coatings 4030 Tru-Glaze-WB Waterborne Epoxy Primer @ 200-270 sf/gal (4.0-8.0 mils wet; 2.0-4.0 mils DFT)		0	0	
	Finish: 2406 Dulux Professional Exterior 100% Acrylic Semi-Gloss Finish @ 300-400 sf/gal (4.1-5.4 wet; 1.5-2.0 mils DFT)		0		
	Finish: (2 coats) ICI Paint 2200-XXXX Decrashield Exterior 100% Acrylic Flat finish Paint; 1.06-2.1 mils DFT			0	
e. Sinclair System  Or	Prime: (One Coat) Sinclair 18 Epoprime (@ a maximum rate of 250 sq. ft./gal.)	0	0	0	0
	Finish: (One Coat) Sinclair 4400 Aqua Life Enamel (@ a maximum rate of 350 sq. ft/gal)	0	0	0	0
	Finish: Sinclair 1300 Stuc-O-Life (@ a maximum rate of 300 sq. ft./gal.)	0	0	0	0
f. Valspar/Mobil System	Prime: Valspar/Mobil Exterior Latex Primer, 79-W-1 (2 mils DFT)	0	0	0	0
	Finish: Valspar/Mobil Water-Acrylic Enamel, 42 Series, (2 mils DFT)	0	0	0	0



DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
g. Wasser High Tech Coatings	Surface Prep: Scarify to produce a Profile			0	
	Prime: MC-CR, Single Component, moisture-cure, Aliphatic Polyurethane, (3 mils DFT)			0	
	Finish: MC-Luster, Single Component, Moisture-cure, Aliphatic Polyurethane, (3 mils DFT)			0	
<b>3. Existing Concrete, Masonry and Plaster (Reservoir Exterior)</b>					
a. Benjamin Moore	Prime: Benjamin Moore CLF29/30 Waterborne Epoxy Primer/Sealer (2.0-4.0 mils DFT)		0		
	Finish: Two Coats; Benjamin Moore 170 SuperSpec House and Trim Paint – Semi-Gloss Finish (1.1-2.0 mils DFT)		0		
b. ICI Devoe System	Prime: ICI Devoe Coatings 4030 Tru-Glaze-WB Waterborne Epoxy Primer @ 200-270 sf/gal (4.0-8.0 wet; 1.5-2.0 mils DFT)		0		
	Finish: ICI Devoe Coatings 4208 Devflex Waterborne Acrylic Gloss Enamel @ 330-430 sf/gal (3.5-5.0 wet; 1.5-2.0 mils DFT per coat)		0		

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
<b>VI. MISCELLANEOUS</b>					
<b>A. All Thread Rod</b>	316 SS				0
<b>B. Crystallization Products</b>					
1. Xypex Concrete Waterproofing		0		0	
2. Kryton International	Krystol	0		0	
<b>C. Hi-Build TNEME-TAR</b>					
	46-H-413, for coating ARV's			0	
<b>D. Pressure Gages and Appurtenances</b>					
1. Gages:					
a. Ashcroft	3½" Face with 1/4" IPT connection	0	0		0
	3½" Type 1009, ¼" NPT lower connection, liquid filled, snubber Type 11128		0		
b. Kiener Co.			0		
c. Marsh	3½" Face with 1/4" IPT connection	0	0		0
d. Weiss	Pressure gauges, LF4S-2 stainless steel gauge, snubbers, gauge cocks		0		
e. Wika	Type 110.10,4"		0		

DIVISION 400, SECTION 402 - APPROVED MATERIAL LIST

DESCRIPTION		APPLICABLE TO			
Manufacturer	Catalog or Model No.	Kauai	Hawaii	Oahu	Maui
2. Snubbers:					
a. Ray, 0-1000 psi Pressure Snubber		0	0		0
3. Handle Cock					
a. Marsh, Type 35 Lever handle cock with 1/4" male union connection by 1/4" female connection, brass		0	0		0
<b>E. Tank Sliding Joint Material</b>					
1. Wall					
a. Mueller	Klingersil 4401	0	0	0	0
2. Roof					
b. Rubatex	431N	0	0	0	0

Legend:

- 1 - Long body style only
- 2 - For maximum working pressure of 150 psi
- 3 - For use as a tapping valve only
- 4 - Not applicable for use with PVC pipes
- 5 - For use with PVC pipes only
- 6 - For Oahu only: Service saddle shall be bronze with double strap