

**APPROVED MATERIALS AND MANUFACTURERS**

**Section One – Water Materials**

**DATE: MAY 2015**

ITEM	MANUFACTURERS	PART NUMBER
<b>CATEGORY 1 OF 7: VALVES AND ACCESSORIES</b>		
AIR RELEASE VALVES	1. ARI 2. VENT-O-MAT 3. CRISPIN	1. D-040/S-050/S-010 2. RBX 3. X SERIES
BUTTERFLY VALVES (16" AND ABOVE) 8 MIL EPOXY COATED AND LINED (AWWA)	1. CLOW 2. DEZURIK 3. M & H 4. MILLIKIN 5. MUELLER/PRATT 6. CRISPIN	1. 4500, 1450 2. BAW 3. 4500 4. 500 5. LINSEAL III/BV 6. SERIES 500, 47
GATE VALVES (16" THRU 48") RESILIENT SEATED ONLY (W/SIDE ACTUATORS FOR SHALLOW UNDERGROUND INSTALLATIONS)	1. AMERICAN FLOW CONTROL 2. CLOW 3. MUELLER 4. U.S. PIPE 5. J & S VALVE	1. SERIES 2500 2. SERIES F-6100 3. SERIES A2360/A2361 4. SERIES AUSP0/AUSP1 5. SERIES 6900
GATE VALVES (12" AND SMALLER) RESILIENT SEATED ONLY	1. AMERICAN FLOW CONTROL 2. AVK 3. CLOW 4. KENNEDY 5. M & H 6. MUELLER 7. U.S. PIPE 8. J & S VALVE	1. SERIES 2500 2. SERIES 25 3. SERIES F-6100 4. SERIES 4571 5. SERIES 3067 6. SERIES A2360/A2361 7. SERIES AUSP0/AUSP1 8. SERIES 3800, 6600, 6700, 6900
TAPPING VALVES RESILIENT SEATED ONLY	1. AMERICAN FLOW CONTROL 2. AVK 3. CLOW 4. KENNEDY 5. M & H 6. MUELLER 7. U.S. PIPE	1. SERIES 2500 2. SERIES 25 3. SERIES F-6114 4. SERIES 4950 5. SERIES 3751 6. SERIES T-2360/T2361 7. SERIES TUSP0/TUSP1
BLOW OFF VALVE	1. HYDRO GUARD 2. KUPFERLE FOUNDRY CO. 3. WATER PLUS	1. AUTOMATIC BLOW OFF 2. SERIES TF 550 3. SERIES VB 2000
HYDRANT SECURITY CHECK VALVE	1. AMERICAN FLOW CONTROL 2. MUELLER 3. DAVIDSON HYDRANT TECHNOLOGIES, INC. 4. KENNEDY VALVE	1. SERIES 2100 2. SA SERIES 3. ANTI TERRORIST VALVE 4. PATRIOT HYDRANT CHECK VALVE
CHECK VALVES (4" & LARGER) (EPOXY OR RUBBER LINED) RESILIENT SEAT SWING CHECK	1. MILLIKEN 2. KENNEDY 3. AMERICAN FLOW CONTROL 4. VAL-MATIC 5. APCO 6. PRATT 7. MUELLER 8. CRISPIN	1. 851 SERIES 2. KENFLEX 3. SERIES 2100 4. SERIES VM-500A-S 5. SERIES 100 6. RD SERIES 7. 2600 SERIES 8. SERIES SWC, SWL
SAMPLE STATION (ABOVE GRADE)	1. WATER PLUS 2. KUPFERLE FOUNDRY CO.	1. 301 W 2. 88WC
VALVE BOXES	1. AMERICAN FLOW CONTROL 2. BINGHAM/TAYLOR FOUNDRY 3. GENERAL FOUNDRY 4. RUSSELL PIPE AND FOUNDRY 5. STAR 6. TYLER 7. MUELLER 8. SIGMA 9. SERAMPORE INDUSTRIES	1. TRENCH ADAPTER 2. 4905-X, 4905, 4904-L 4. B121, B125, B129, B132, B134 5. VB/SB SERIES 6. 6850 SERIES 7. MVB 8. VB SERIES 8. 6000-6020, 6301-6308, 6351-6354

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**CATEGORY 2 OF 7: SERVICE MATERIALS**

CORPORATION STOPS BALL TYPE 1" AND 2" W/AWWA TAPER CC THREADS ONLY / PACK JOINT OUTLET FOR CTS	1. FORD 2. McDONALD 3. MUELLER	1. FB1000, FB1100 2. 4701B-22 3. 1"&2" P25008
CURB STOPS – STRAIGHT VALVES CURB STOP TO BE BALL TYPE, REDUCED PORT FIP X FIP 3/4" X 3/4"	1. FORD 2. McDONALD 3. MUELLER	1. B11-333W 2. 6101W 3. B20200
CURB STOPS – STRAIGHT VALVES BALL TYPE COMPRESSION BY METER 1" & 2" CTS O.D. TUBING BY 5/8" X 3/4" METER	1. FORD 2. McDONALD 3. MUELLER	1. B43-342W, BF43-777W, FB41-777W 2. 6100MW-22 3. 5/8x3/4x1 P24250, 2" P24335
ANGLE STOPS BALL TYPE 1" & 2" CTS O.D. TUBING BY 5/8" X 3/4" AND 2" METER	1. FORD 2. McDONALD 3. MUELLER	1. BA43-342W, BFA43-777W 2. 4642B-22, 4602B-22 3. 5/8x3/4x1 P24258, 2" P24276
ANGLE STOPS BALL TYPE 3/4" FIP BY 5/8" X 3/4" METER	1. FORD 2. McDONALD 3. MUELLER	1. BA13-232W 2. 4644B 3. 5/8x3/4x3/4 B24265R
POLYETHYLENE PIPING (CTS) BLUE W/UV PROTECTION C901, PE 3608, 4710 1", 1-1/2" & 2", 3"	1. ENDOT ENDOPURE 2. CHARTER PLASTICS 3. ADS	1. PE-4710 2. BLUE ICE (PE 4710) 3. POLYFLEX
SERVICE SADDLES EPOXY COATED W/ S/S DUAL STRAPS, CC THREADS OR FULL WRAP S/S 2" TO BE IRON PIPE THREADS CONTROLLED O.D. SADDLES TO BE USED ON CLASS PIPE	1. CAMBRIDGE 2. FORD 3. JCM 4. MUELLER 5. ROMAC 6. SMITH/BLAIR 7. CASCADE	1. SERIES 403 2. SERIES FCD202, FS303 3. SERIES 406 4. SERIES DR2S, DR2SOD 5. SERIES 202N 6. SERIES 317, 397 7. SERIES CFS, CFS-TO
U BRANCH (1" X 3/4" X 7-1/2")	1. FORD 2. McDONALD 3. MUELLER	1. U-48-43 2. 08U2M 3. 1x3/4x7.5 P15363
U BRANCH ASSEMBLIES WITH ANGLE BALL VALVES 1" X 3/4" X 7-1/2"	1. FORD 2. McDONALD 3. MUELLER	1. UVB43-42W 2. 09U2BW 3. 1x3/4x7.5 P15363-03

**CATEGORY 3 OF 7: PIPE MATERIAL**

PIPE (DI/CI) 4"-12" CLASS 350 16"-24" CLASS 250 30"-64" CLASS 200 CEMENT/EPOXY LINED	1. AMERICAN 2. CLOW 3. GRIFFIN 4. McWANE 5. U.S. PIPE 6. FABRICATORS INC.	6. SP 2000W
PIPE (PVC) AWWA C-900, C-905, DR14, DR18 (BLUE)	1. CERTAINTEED 2. DIAMOND PLASTIC 3. FREEDOM PLASTIC 4. GRIFFCO 5. IPEX 6. NAPCO 7. NATIONAL 8. JM EAGLE	
PIPE (HDPE) WATER MAIN AWWA C901, C906 PE3408/PE3608 (DR11), PE3408/PE4710 (DR13.5) or PE3408/PE3608/PE4710 (DR13.5)	1. INDEPENDENT PIPE PRODUCTS, INC. (IPP) 2. CSR POLYPIPE 3. PERFORMANCE PIPE 4. NATIONAL	1. DESIGN FLOW 3. DRISCOPEX 4000, 4100

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<b>CATEGORY 4 OF 7: PIPE FITTINGS</b>		
FITTINGS C153 SSB/C110 FLG FUSION BONDED EPOXY	<ol style="list-style-type: none"> <li>1. AMERICAN</li> <li>2. GRIFFIN</li> <li>3. UNION/TYLER</li> <li>4. U.S. PIPE</li> <li>5. SIGMA</li> <li>6. SERAMPORE INDUSTRIES</li> </ol>	
RESTRAINED JOINTS DUCTILE IRON PIPE	<ol style="list-style-type: none"> <li>1. AMERICAN</li> <li>2. EBBA IRON, INC.</li> <li>3. FORD</li> <li>4. STAR</li> <li>5. U.S. PIPE</li> <li>6. TYLER UNION</li> <li>7. SIGMA</li> <li>8. SERAMPORE INDUSTRIES</li> </ol>	<ol style="list-style-type: none"> <li>1. FAST GRIP GASKET</li> <li>2. MEGA LUG SERIES 1100</li> <li>3. UFR-1400</li> <li>4. STAR GRIP SERIES 3000 AND ALL GRIP SERIES 3600</li> <li>5. FIELD LOC GASKET</li> <li>6. MJ FIELD LOK; TUFGRIP SERIES 1000; SERIES 1500 DW</li> <li>7. ONE LOK</li> <li>8. EZ GRIP</li> </ol>
RESTRAINED JOINTS PVC PIPE	<ol style="list-style-type: none"> <li>1. EBBA IRON, INC.</li> <li>2. JCM</li> <li>3. STAR</li> <li>4. UNI-FLANGE/FORD</li> <li>5. CERTAINTEED</li> <li>6. TYLER UNION</li> <li>7. SIGMA</li> <li>8. SERAMPORE INDUSTRIES</li> </ol>	<ol style="list-style-type: none"> <li>1. MEGA LUG SERIES 1500, 1600, , 2000SV, 2500, 2800</li> <li>2. 620 SUR-GRIP BELL JOINT 621 SUR-GRIP BELL JOINT</li> <li>3. SERIES 1000, 1100, 1200 ALL GRIP SERIES 3600, STARGRIP 4000</li> <li>4. 1350 BELL RESTRAINER 1360 BELL RESTRAINER 1390 BELL RESTRAINER 900 ADAPTER FLANGE 1300 FITTING RESTRAINER 1500 SERIES</li> <li>5. CERTALOK</li> <li>6. MJ FIELD LOK; TUFGRIP SERIES 2000, 3000; SERIES 1500 DW</li> <li>7. ONE LOK, PV LOK</li> <li>8. EZ GRIP</li> </ol>
TAPPING SLEEVES SIZE ON SIZE TAPS FOR CLASS PIPE (18-8 TYPE 304 BODY, FLANGE AND BOLTS) FLANGE TO ACCEPT STANDARD TAPPING VALVES	<ol style="list-style-type: none"> <li>1. FORD</li> <li>2. MUELLER</li> <li>3. SMITH/BLAIR</li> <li>4. CASCADE</li> </ol>	<ol style="list-style-type: none"> <li>1. SERIES FTSS</li> <li>2. SERIES H-304 S/S</li> <li>3. SERIES 633</li> <li>4. CST-EX, CST-SL</li> </ol>
TAPPING SLEEVES (DI/CI MJ TYPE)	<ol style="list-style-type: none"> <li>1. AMERICAN FLOW CONTROL</li> <li>2. CLOW</li> <li>3. M &amp; H</li> <li>4. MUELLER</li> <li>5. U.S. PIPE</li> </ol>	<ol style="list-style-type: none"> <li>1. SERIES 2800</li> <li>2. SERIES F-5205</li> <li>3. SERIES 1174</li> <li>4. SERIES H-615, H-616, H-619</li> <li>5. SERIES T-9</li> </ol>
TAPPING SADDLES – FABRICATED STEEL (EPOXY COATED W/ S/S NUTS & BOLTS) OR ALL S/S	<ol style="list-style-type: none"> <li>1. FORD</li> <li>2. JCM</li> <li>3. ROMAC</li> <li>4. SMITH/BLAIR</li> </ol>	<ol style="list-style-type: none"> <li>1. SERIES FTSC, FTSS</li> <li>2. SERIES 412, 422, 432, 452</li> <li>3. SERIES FTS 420, STS 420</li> <li>4. SERIES 622</li> </ol>
EXPANSION JOINTS	<ol style="list-style-type: none"> <li>1. EBBA IRON, INC.</li> <li>2. MERCER</li> <li>3. METRAFLEX</li> <li>4. PROCO</li> <li>5. STAR</li> </ol>	<ol style="list-style-type: none"> <li>1. FLEX-TEND</li> <li>5. SERIES 5000</li> </ol>

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HDPE PIPE STIFFENER	1. JCM 2. CASCADE	1. SERIES 230, 231 2. SERIES CPS
HDPE SADDLES	1. CASCADE 2. JCM	1. SERIES PECSC-2, PECS-222 2. JCM 406
HDPE TAPPING SLEEVES	1. CASCADE 2. JCM	1. SERIES PECST-SL 2. 412, 452
<b>CATEGORY 5 OF 7: HYDRANTS</b>		
HYDRANTS	1. AMERICAN FLOW CONTROL 2. CLOW 3. MUELLER  4. KENNEDY 5. M&H 6. US PIPE	1. 5 ¼ B-84-B (PLUG DRAIN) 2. MEDALLION PLGBRN 3. A 423 SUPER CENTURION CLOSED DRAINS 4. K.81A (PLUG DRAIN) 5. 929 (PLUG DRAIN) 6. SENTINEL 250; METROPOLITAN M-94
<b>CATEGORY 6 OF 7: MISCELLANEOUS ITEMS</b>		
CASING SPACERS S/S W/VINYL RUNNERS	1. ADVANCE PRODUCTS 2. CASCADE 3. POWER SEAL 4. PSI 5. CCI	1. SERIES SS8, SS12 2. SERIES CCS, CCS-ER, CCS-JR 3. MODEL 4810 4. SERIES C12G-2 5. CSC-8.CSC-12, CSS-8 & CSS-12
VAULT FRAME AND COVER FOR AIR RELEASE VALVES	1. CDR 2. U.S. FOUNDRY 3. WATER PLUS	2. USF 7665-HH-HJ 3. NO. 30 & 40
PAINT: AERIAL PIPE, FITTINGS AND VALVES FIELD PRIMER	1. COLOR WHEEL 2. GLIDDEN 3. KOPPERS 4. PORTER/INT'L. 5. TNEMEC	1. 635 PRIMER RED 2. ALKYD METAL PRIMER 3. PUG PRIMER 4. 284 U-PRIMER 5. CHEM-PRIME H.S. SERIES 37H
FINISH (EXTERIOR)	1. COLOR WHEEL 2. GLIDDEN 3. KOPPERS 4. PORTER/INT'L. 5. TNEMEC	1. 600 ALKYD ENAMEL 2. ALKYD IND. ENAMEL 3. GLAMOREX 501 ENAMEL 4. 2410 ALKYD GLOSS 5. TNEMEC – GLOSS SERIES 2H
CASING END SEALS	1. ADVANCED PRODUCTS 2. PSI 3. CASCADE 4. CCI	1. MODEL: AC 2. MODEL: C, N 3. SERIES: CCS-ES 4. MODEL ESW
ELECTRONIC MARKER SYSTEM	1. 3M  2. OMNI	1. SCOTCH MARK EMSII ELECTRONICMARKER LOCATOR BLUE BALL TYPE MARKER #1403-XR 2. OMNI MARKERS MODEL # 161
LOCATING WIRE	1. PRO-TRACE 2. COPPERHEAD INDUST.	1. HDD-CCS PE45 2. SOLOSHOT EHS
ARV ENCLOSURES	1. WATER PLUS 2. PENCE PLASTICS	1. H30 BLUE W/ SS STAKE 2. AGVNS-1420 (BLUE)

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**CATEGORY 7 OF 7: METERS**

Encoders (Orion AMR Compatible)	1. *NEPTUNE 2. SENSUS 3. BADGER	1. ProRead, E-coder 2. ICE, ECR II 3. RTR, ADE
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\*Encoder must be factory programmed in 3 wire mode, special S176

<u>3" Turbine Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 4-550 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>4" Turbine Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 8-1250 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>6" Turbine Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 15-2500 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>8" Turbine Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 30-4500 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>10" Turbine Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 50-7000 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>3" Compound Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 1/4-450 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>4" Compound Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 3/8-1000 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>6" Compound Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 3/8-2000 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>8" Compound Direct Read Gallon Meter</u> NSF 61 Marked & Certified Exact Encoder Adaptable Complete With Strainer Min. Normal Flow Range: 2-1/2 - 4500 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>4" Fire Service Meter Assembly</u> For Dual Domestic & Fire Flow Usage Direct Read Gallon Registers NSF 61 Marked & Certified Certified UL-FM Approved Exact Encoder Adaptable Min. Normal Flow Range: 2-1/2 - 1250 GPM	1. NEPTUNE 2. SENSUS 3. BADGER
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<u>6" Fire Service Meter Assembly</u> For Dual Domestic & Fire Flow Usage Direct Read Gallon Registers NSF 61 Marked & Certified Certified UL-FM Approved Exact Encoder Adaptable Min. Normal Flow Range: 2-1/2 - 2500 GPM	1. NEPTUNE 2. SENSUS 3. BADGER	
<u>8" Fire Service Meter Assembly</u> For Dual Domestic & Fire Flow Usage Direct Read Gallon Registers NSF 61 Marked & Certified Certified UL-FM Approved Exact Encoder Adaptable Min. Normal Flow Range: 2-1/2 - 4500 GPM	1. NEPTUNE 2. SENSUS 3. BADGER	
<u>10" Fire Service Meter Assembly</u> For Dual Domestic & Fire Flow Usage Direct Read Gallon Registers NSF 61 Marked & Certified Certified UL-FM Approved Exact Encoder Adaptable Min. Normal Flow Range: 2-1/2 - 7000 GPM	1. NEPTUNE 2. SENSUS 3. BADGER	

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<b>CATEGORY 1 OF 6: VALVES AND ACCESSORIES</b>		
AIR RELEASE/VACUUM RELIEF VALVES	1. ARI 2. VENT-O-MAT 3. CRISPIN	1. D-020S; D-025; D-025 L; D-025 ST 2. RGX 3. X SERIES
CA/VRV ENCLOSURE	1. WATER PLUS 2. PENCE PLASTICS	1. H30 GREEN W/ SS STAKE 2. AGVNS-1420 (GREEN)
SERVICE SADDLES FOR AIR RELEASE VALVES (EPOXY COATED W/STAINLESS STEEL STRAPS)	1. SMITH BLAIR 2. FORD 3. ROMAC 4. JCM 5. MUELLER 6. CAMBRIDGE	1. SERIES 317 2. SERIES FC202 3. SERIES 202N 4. 406 5. DR2S
CHECK VALVES (4" & LARGER) (EPOXY OR RUBBER LINED) RESILENT SEAT SWING CHECK	1. MILLIKEN 2. KENNEDY 3. AMERICAN FLOW CONTROL 4. VAL-MATIC 5. APCO 6. PRATT 7. CRISPIN	1. 851 SERIES 2. KENFLEX 3. SERIES 2100 4. SERIES VM-500A-S 5. SERIES 100 6. RD SERIES 7. SWC, SWL SERIES
PLUG VALVES (MJ & FLANGED) 8 MIL EPOXY LINED WITH S.S. BOLTS GEAR OPERATOR TO BE SIZED FOR RATED PRESSURE OF THE VALVE	1. VAL-MATIC 2. M & H 3. DEZURIK 4. CLOW 5. PRATT 6. CRISPIN	1. 5800, 5900 2. 1820 3. SERIES – PEC 4. F-5412, F-5413 5. PV 6. SERIES 800, 900
TAPPING VALVES (MJ/DI)	1. KENNEDY 2. M & H 3. AMERICAN FLOW CONTROL 4. U.S. PIPE 5. CLOW 6. MUELLER	1. SERIES 475 2. SERIES 475 3. SERIES 2500 4. SERIES TUSP0/TUSP1 5. SERIES F-6114 6. T2360/T2361
VALVE BOX	1. AMERICAN FLOW CONTROL 2. BINGHAM/TAYLOR FOUNDRY 3. GENERAL FOUNDRY 4. RUSSELL PIPE AND FOUNDRY 5. STAR 6. TYLER 7. MUELLER 8. SIGMA 9. SERAMPORE INDUSTRIES	1. TRENCH ADAPTER 2. 4905-X, 4905, 4904-L 4. B121, B125, B129, B132, B134 5. VB/SB SERIES 6. 6850 SERIES 7. MVB 8. VB SERIES 8. 6000-6020, 6301-6308, 6351-6354
VAULT FRAME AND COVER FOR AIR RELIEF VALVE	1. U.S. FOUNDRY 2. WATER PLUS	1. USF 7665-HH-HJ 2. NO. 30 & NO. 40
TAPPING SLEEVE (STAINLESS STEEL)	1. SMITH BLAIR (ROCKWELL) 2. JCM 3. FORD 4. ROMAC	1. SERIES 663 2. SERIES 432, 452 3. SERIES FTSS 4. SERIES STS 420
TAPPING SLEEVES (DI/CI MJ TYPE SIZE ON SIZE)	1. U.S. PIPE 2. MUELLER 3. CLOW 4. M & H 5. AMERICAN FLOW CONTROL	1. T-9 2. H-615/H-616/H-619 3. F-5205 4. 1574 5. 2800

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**CATEGORY 2 OF 6: PIPE MATERIALS**

PIPE (DI) – (SEWER APPROVED ON CASE-BY-CASE BASIS)

4"-12" CLASS 350  
16"-24" CLASS 250  
24"-64" CLASS 200

1. AMERICAN DI PIPE
2. US DI PIPE
3. GRIFFIN
4. FABRICATORS INC.

1. FUSION BONDED EPOXY
2. FUSION BONDED EPOXY
3. SEWPER COAT
4. SP 2000 W

PIPE (PVC) FORCE MAIN AWWA C900 OR C905, DR-18 GREEN IN COLOR

1. CERTAINTEED
2. NATIONAL
3. NAPCO
4. GRIFFIN
5. IPEX
6. DIAMOND PLASTICS
7. FREEDOM PLASTICS
8. JM EAGLE

PIPE (HDPE) FORCE MAIN AWWA C901, C906 PE 3408 DR 11 PE 4710 DR 13.5

1. INDEPENDENT PIPE PRODUCTS, INC. (IPP)
2. CSR POLYPIPE
3. PERFORMANCE PIPE
4. NATIONAL

1. DESIGN FLOW
3. DRISCOPEX 4000, 4100

PIPE (PVC) GRAVITY SDR 35 (GREEN IN COLOR)

1. CERTAINTEED
2. CAN-TEX
3. CPS
4. NAPCO
5. NATIONAL PIPE
6. DIAMOND PLASTICS
7. GRIFFCO
8. HAWK
9. FREEDOM
10. PIONEER/BRISTOL
11. JM EAGLE

**CATEGORY 3 OF 6: PIPE FITTINGS**

FITTINGS – DI (C153 SSB/C110 FLG) FITTINGS WITH PROTECTO 401™ CERAMIC EPOXY LINING OR APPROVED EQUAL WITH COUNTY APPROVAL

1. UNION/TYLER
2. U.S. PIPE
3. AMERICAN
4. GRIFFIN
5. SIGMA

FITTINGS – GRAVITY PVC (GASKETED)

1. HARCO
2. GPK
3. MULTI FITTINGS (PVC )
4. TIGRE USA, INC.

3. C-905 / C-907

RESTRAINED JOINTS (DUCTILE IRON PIPE) WITH SEMINOLE COUNTY APPROVAL

1. EBBA IRON, INC.
2. STAR
3. AMERICAN
4. FORD
5. US
6. MCWAIN
7. TYLER
8. SIGMA
9. SERAMPOR INDUSTRIES

1. MEGA-LUG 1100 (3"-48")  
MEGA-LUG 1100HD(10"-48")  
MEGA-LUG 2100 (3"-12")
2. ALLGRIP SERIES AG (4"-16")  
STAR GRIP SERIES SGH (4"-36")  
STAR SERIES SGH (4"-36")
3. FAST GRIP GASKETS
4. 1400-D SERIES
5. FIELD LOCK GASKETS
7. MJ FIELD LOCK GASKETS/TUFF GRIP SYSTEM
8. ONE LOK
9. EZ GRIP



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RESTRAINED JOINTS (PVC PIPE)	1. EBBA IRON, INC.  2. UNI-FLANGE/FORD  3. JCM  4. STAR  5. CERTAINTEED 6. TYLER  7. SIGMA 8. SERAMPORE INDUSTRIES	1. MEGA-LUG 2000 PV (4"-36") F/IPS, DR25, DR18, DR14 & DR41 MEGA-LUG 2000 SV (4"-12") MEGA-LUG 2100 FLANGE ADAPTER (3"-12") 1600 SERIES (4"-12") F/PVC C-900 BELL RESTRAINT 2800 SERIES (14"-42") F/PVC C-905 BELL RESTRAINT 2. 1350 BELL RESTRAINER(2"-12") 1360 BELL RESTRAINER(4"-8")(14"- 24") 1390 BELL RESTRAINER(4"-2")(12"- 24") 900 ADAPTER FLANGE (4"-12") 1300 FITTING RESTRAINER (14"- 24") 3. 610 SUR-GRIP BELL JOINT RESTRAINER (14"-24") 621 SUR-GRIP BELL JOINT RESTRAINER (14"-24") 610 FITTING RESTRAINER (4"-30") 620 BELL RESTRAINER (4"-12") 621 BELL RESTRAINER (14"-30") 4. SERIES 1000, 1100, 1200 ALL GRIP SERIES 3600, STARGRIP 4000 5. CERTALOK 7. MJ FIELD LOCK GASKETS/TUFF GRIP STYSTEM 7. ONE LOK, PV LOK 8. EZ GRIP
REPAIR FITTINGS	1. METRAFLEX 2. EBBA IRON 3. FERNCO 4. PROCO	
<b>CATEGORY 4 OF 6: MANHOLES AND ACCESSORIES</b>		
PRECAST MANHOLES	1. ATLANTIC PRECAST 2. MACK PRECAST 3. STANDARD PRECAST 4. HANSON PIPE & PROD. 5. SOUTHERN PRECAST 6. ALLIED PRECAST 7. OLD CASTLE PRECAST, INC. 8. DELZOTTO PRECAST	
MANHOLE FRAME AND COVER	1. U.S. FOUNDRY 2. VULCAN 3. PAMREX 14"	1. USF 225-AS  3. CDPA60EHSSE
MANHOLE & PIPE JOINTING MATERIAL	1. CONSEAL 2. ATLANTIC CONCRETE 3. PRESS SEAL GASKET	1. CS102 2. A-LOK 3. PRESS BOOT
MANHOLE SURFACE COATINGS	1. SAUEREISEN 2. AQUATA POXY 3. PERMITE 4. QUADDEX	1. 210  3. PCS-9043 TYPE II 4. ALUMINA LINER

**APPROVED MATERIALS AND MANUFACTURERS**

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ITEM	MANUFACTURERS	PART NUMBER
MANHOLE LINING SYSTEMS	1. GU LINER 2. LANZO LINING SYSTEM 3. AGRU AMERICA 4. A-LOK PRODUCTS 5. KERNEOS 6. STRONG-SEAL SYSTEMS	1. HDPE LINER  3. HDPE SURE GRIP LINER 4. DURA PLATE 100 5. SEWPERCOAT 6. HIGH PERFORMANCE MIX
MANHOLE JOINT SEALING	1. CANUSA	1. 9,12,18-INCH WRAPID SEAL W/ ROPE SEALANT
<b>CATEGORY 5 OF 6: WASTEWATER PUMP STATION MATERIALS AND ACCESSORIES</b>		
GENERATOR CIRCUIT BREAKER	1. SQUARE D 2. GENERAL ELECTRIC 3. SIEMENS	
GENERATOR SYSTEMS	1. CATERPILLAR 2. ONAN (CUMMINS) 3. GENERAC	
GENERATOR TRANSFER SWITCH	1. WESTINGHOUSE 2. THOMSON	
PRESSURE GAUGES	1. ASHCROFT 2. H.O. TRERICE CO.	
SUBMERSIBLE PUMPS	1. FLYGT 2. ABS 3. MODY	
WETWELL ACCESS FRAMES AND COVERS	1. HALLIDAY PROD. 2. BILCO CO. 3. U.S. FOUNDRY 4. U.S. FABRICATION	
CONTROL PANELS (CP)	1. DALE C. ROSSMAN (DCR ENGINEERING) 2. REVERE CONTROLS	
ALARM HORN (AH)	1. EDWARDS 2. WHEELLOCK	1. 870-N5 2. 3IT-115-R
ALARM LIGHT (AL) 1. F32552	1. AMERICAN ELECTRIC 2. RED DOT	2. 899B
<b>CATEGORY 5 OF 6: WASTEWATER PUMP STATION MATERIALS AND ACCESSORIES – Continued</b>		
CONTROL CIRCUIT BREAKER	1. GENERAL ELECTRIC 2. SQUARE D 3. SIEMENS	2. QOU120
CONTROL CIRCUIT TRANSFORMER	1. GENERAL ELECTRIC 2. SQUARE D 3. SIEMENS	2. EO-18
DUPLEX RECEPTACLE/GFI (DR)	1. SQUARE D 2. HUBBLE	1. GFSR-115-IC 2. GF-52621
ELAPSE TIME METER (ETM)	1. ENGLER 2. HECON	1. AC-200-10NG7 2. TO621134
EMERGENCY CIRCUIT BREAKER (ECB)	1. GENERAL ELECTRIC 2. SQUARE D	
ENCLOSURE	1. HOFFMAN 2. TANCO	

**APPROVED MATERIALS AND MANUFACTURERS**

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**CATEGORY 5 OF 6: WASTEWATER PUMP STATION MATERIALS AND ACCESSORIES – Continued**

FUSES (F)	1. BUSSMANN 2. GOULD-SHAWMUT	
FLASHER (FL)	1. STA-CON, INC. 2. SSAC	1. 008-24-13SP 2. FS-126
FLOAT REGULATOR (FR)	1. ROTO-FLOAT (NON-MERCURY) 2. FLYGT MECHANICAL	
GENERATOR RECEPTACLE (GR) 230V, 100A, 3P, 4W 460V, 200A, 3P, 4W	1. PYLE NATIONAL 2. RUSSELL STOLL	1. JRE-4100
HAND-AUTO-OFF-SELECTOR (HOA)	1. IDEC 2. SQUARE D	2. 9001-SKS
HORN SILENCE BUTTON (HSS)	1. IDEC 2. SQUARE D	2. 9001-SKR-IU
MAIN CIRCUIT BREAKER (MCB)	1. GENERAL ELECTRIC 2. SQUARE D 3. SIEMENS	
MAIN CIRCUIT TRANSFORMER (MCT)	1. GENERAL ELECTRIC 2. SQUARE D 3. SIEMENS	2. 500SV43F
MOTOR CIRCUIT BREAKER (MB)	1. GENERAL ELECTRIC 2. SQUARE D 3. SIEMENS	
MOTOR STARTER (MS)	1. SQUARE D 2. GENERAL ELECTRIC 3. FURNAS	
OVERLOAD HEATER (OL)	1. SQUARE D	
SOLID STATE	2. GENERAL ELECTRIC 3. FURNAS	
PHASE MONITOR (PM)	1. MPC 2. DIVERSIFIED 3. MCC	
PILOT LIGHT (PL)	1. DIALCO 2. LITTELFUSE	1. 803-1710 2. 930407X
RELAY (R)	1. PORTER BRUMFIELD 2. EAGLE SIGNAL 3. IDEC	1. KRPA-11AN 2. 22 SERIES
SURGE PROTECTOR (LA) (UL1449 L1449 2 <sup>ND</sup> EDITION LISTED AND LABELED)	1. ADVANCED PROTECTION TECH	
TERMINAL STRIP (TS)	1. PHOENIX CONTACT	

**CATEGORY 6 OF 6: MISCELLANEOUS ITEMS**

ELECTRONIC MARKER SYSTEM	1. 3M  2. OMNI	1. SCOTCH MARK EMSII SCOTCH MARK ELECTRONIC GREEN BALL TYPE MARKER #1404- XR 2. OMNI MARKERS MODEL #162
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**CATEGORY 6 OF 6: MISCELLANEOUS ITEMS (Continued)**

LOCATING WIRE	1. PRO-TRACE 2. COPPERHEAD INDUST.	1. HDD-CCS PE45 2. SOLOSHOT EHS
PAINTING: AERIAL PIPING, FITTINGS & VALVES FIELD PRIMER	1. PORTER/INT'L 2. TNEMEC 3. GLIDDEN 4. COLORWHEEL	1. 284U-PRIMER 2. CHEM-PRIME H.S. SERIES 37H 3. ALKYD IND. ENAMEL
PAINTING FINISH (EXTERIOR)	1. PORTER/INT'L 2. TNEMEC 3. GLIDDEN	1. 2410 ALKYD GLOSS 2. TNEMEC-GLOSS SERIES 2H 3. ALKYD IND. ENAMEL
CASING SPACERS (S.S. W/VINYL RUNNERS CENTERING)	1. ADVANCE PRODUCTS 2. CASCADE 3. PSI 4. POWER SEAL 5.CCI	1. SS8, SS12 2. CCS-12" 3. C12G-2 4. MODEL 4810 5. CSC-8, CSC-12.CSS-8, & CSS-12

**APPROVED MATERIALS AND MANUFACTURERS**

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ITEM	MANUFACTURERS	PART NUMBER
<b>CATEGORY 1 OF 5: VALVES AND ACCESSORIES</b>		
AIR RELEASE VALVES	1. ARI 2. VENT-O-MAT 3. CRISPIN	1. D-040 / S-050 2. RBX 3. X SERIES
ARV ENCLOSURES	1. WATER PLUS 2. PENCE PLASTICS	1. H30 PURPLE W/ SS STAKE 2. AGVNS-1420 (PURPLE)
BUTTERFLY VALVES (16" AND ABOVE) 8 MIL EPOXY COATED AND LINED (AWWA)	1. CLOW 2. DEZURIK 3. M & H 4. MILLIKIN 5. MUELLER/PRATT 6. CRISPIN	1. 4500, 1450 2. BAW 3. 4500 4. 500 5. LINSEAL III/BV 6. SERIES 500, 47
GATE VALVES (16" THRU 48") RESILIENT SEATED ONLY (W/SIDE ACTUATORS FOR SHALLOW UNDERGROUND INSTALLATIONS)	1. AMERICAN FLOW CONTROL 2. CLOW 3. MUELLER 3. MUELLER 4. U.S. PIPE 5. J & S VALVE	1. SERIES 2500 2. SERIES F-6100 3. SERIES A2360/A2361 3. SERIES A2360/A2361 4. SERIES AUSP0/AUSP1 5. SERIES 6900
GATE VALVES (12" AND SMALLER) RESILIENT SEATED ONLY	1. AMERICAN FLOW CONTROL 2. AVK 3. CLOW 4. KENNEDY 5. M & H 6. MUELLER 7. U.S. PIPE 8. J & S VALVE	1. SERIES 2500 2. SERIES 25 3. SERIES F-6100 4. SERIES 4571 5. SERIES 3067 6. SERIES A2360/A2361 7. SERIES AUSP0/AUSP1 8. SERIES 3800, 6600, 6700, 6900
TAPPING VALVES RESILIENT SEATED ONLY	1. AMERICAN FLOW CONTROL 2. AVK 3. CLOW 4. KENNEDY 5. M & H 6. MUELLER 7. U.S. PIPE	1. SERIES 2500 2. SERIES 25 3. SERIES F-6114 4. SERIES 4950 5. SERIES 3751 6. SERIES T-2360/T2361 7. SERIES TUSP0/TUSP1
BLOW OFF VALVE	1. HYDRO GUARD  2. KUPFERLE FOUNDRY CO. 3. WATER PLUS	1. AUTOMATIC BLOW OFF HG-1 STANDARD 2. SERIES TF 550 3. SERIES VB 2000
SAMPLE STATION (ABOVE GRADE)	1. WATER PLUS	1. SERIES 200A & 301 W
VALVE BOXES	1. AMERICAN FLOW CONTROL 2. BINGHAM/TAYLOR FOUNDRY 3. GENERAL FOUNDRY 4. RUSSELL PIPE AND FOUNDRY 5. STAR 6. TYLER 7. MUELLER 8. SIGMA 9. SERAMPORE INDUSTRIES	1. TRENCH ADAPTER 2. 4905-X, 4905, 4904-L  4. B121, B125, B129, B132, B134 5. VB/SB SERIES 6. 6850 SERIES 7. MVB 8. VB SERIES 8. 6000-6020, 6301-6308, 6351-6354

**APPROVED MATERIALS AND MANUFACTURERS**

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ITEM	MANUFACTURERS	PART NUMBER
<b>CATEGORY 2 OF 5: SERVICE MATERIALS</b>		
CORPORATION STOPS	1. FORD	1. FB1000
BALL TYPE 1" AND 2" W/AWWA TAPER CC	2. McDONALD	2. 4701B-22
THREADS ONLY/PACK JOINT OUTLET FOR CTS	3. MUELLER	3. 1" & 2" P25008
CURB STOPS – STRAIGHT VALVES	1. FORD	1. B11-333W
CURB STOP TO BE BALL TYPE, REDUCED PORT	2. McDONALD	2. 6101W
FIP X FIP 1" X 1"	3. MUELLER	3. B20200
CURB STOPS – STRAIGHT VALVES	1. FORD	1. B43-342W, BFA43-777W
BALL TYPE COMPRESSION BY METER	2. McDONALD	2. 6100MW-22
1" & 2" CTS O.D. TUBING BY 3/4" X 1" METER	3. MUELLER	3. 5/8x3/4x1 P24350, 2" P24335
ANGLE STOPS	1. FORD	1. BA43-342W, BFA43-777W
BALL TYPE 1" & 2" CTS O.D. TUBING BY	2. McDONALD	2. 4642B-22, 4602B-22
3/4" X 1" AND 2" METER	3. MUELLER	3. 5/8x3/4x1 P24258, 2" P24276
ANGLE STOPS	1. FORD	1. BA13-232W
BALL TYPE 1" FIP BY 3/4" X 1" METER	2. McDONALD	2. 4644B
	3. MUELLER	3. 5/8x3/4x3/4 B24265R
POLYETHYLENE PIPING	1. ENDOT ENDOCORE	1. ENDOCORE
PURPLE W/UV PROTECTION, C901, PE 4710	2. CHARTER PLASTICS	2. LAV ICE
1", 1.5", 2", 3"	3. ADS	3. POLYFLEX
SERVICE SADDLES	1. CAMBRIDGE	1. SERIES 403
EPOXY COATED W/ S/S DUAL STRAPS,	2. FORD	2. SERIES FCD202, FC303
CC THREADS OR FULL WRAP S/S	3. JCM	3. SERIES 406
2" TO BE IRON PIPE THREADS	4. MUELLER	4. DR2S, DR2SOD
CONTROLLED O.D. SADDLES TO BE USED	5. NAPCO-BACKER	5. SERIES 181
ON CLASS PIPE	6. ROMAC	6. SERIES 202N
	7. SMITH/BLAIR	7. SERIES 317, 397
U BRANCH (1" X 3/4" X 7-1/2")	1. FORD	1. U-48-43
	2. McDONALD	2. 08U2M
	3. MUELLER	3. 1x3/4x7.5 P15363
U BRANCH ASSEMBLIES	1. FORD	1. UVB43-42W
WITH ANGLE BALL VALVES	2. McDONALD	2. 09U2BW
1" X 3/4" X 7-1/2"	3. MUELLER	3. 1x3/4x7.5 P15363-03
<b>CATEGORY 3 OF 5: PIPE MATERIAL</b>		
PIPE (DI/CI)	1. AMERICAN	
4"-12" CLASS 350	2. CLOW	
16"-24" CLASS 250	3. GRIFFIN	
30"-64" CLASS 200	4. McWANE	
FUSION BONDED EPOXY	5. U.S. PIPE	
	6. FABRICATORS INC.	6. SP-2000W
PIPE (PVC)	1. CERTAINTEED	
AWWA C-900, C-905, DR-18	2. DIAMOND PLASTIC	
(PURPLE RECLAIM)	3. FREEDOM PLASTIC	
	4. GRIFFCO	
	5. IPEX	
	6. NAPCO	
	7. NATIONAL	
	8. JM EAGLE	
PIPE (HDPE) REUSE MAIN AWWA C901, C906	1. INDEPENDENT PIPE	1. DESIGN FLOW
PE 3408 DR 11	PRODUCTS, INC. (IPP)	
PE 4710 DR 13.5	2. CSR POLYPIPE	
	3. PERFORMANCE PIPE	3. DRISCOPEX 4000, 4100

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<b>CATEGORY 4 OF 5: PIPE FITTINGS</b>		
FITTINGS C153 SSB/C110 FLG FUSION BONDED EXPOXY	1. AMERICAN 2. ASSURED FLOW SALES 3. GRIFFIN 4. UNION/TYLER 5. U.S. PIPE 6. SIGMA	2. GRADELOCK
RESTRAINED JOINTS DUCTILE IRON PIPE	1. AMERICAN 2. EBBA IRON, INC. 3. FORD 4. STAR  5. U.S. PIPE 6. TYLER UNION  7. SIGMA 8. SERAMPORE INDUSTRIES	1. FAST GRIP GASKET 2. MEGA LUG SERIES 1100 3. UFR-1400 4. STAR GRIP SERIES 3000 AND ALL GRIP SERIES 3600 5. FIELD LOC GASKET 6. MJ FIELD LOK; TUFGRIP SERIES 1000 7. ONE LOK 8. EZ GRIP
RESTRAINED JOINTS PVC PIPE	1. EBBA IRON, INC. 2. JCM  3. STAR  4. UNI-FLANGE/FORD  5. CERTAINTEED 6. TYLER UNION  7. SIGMA 8. SERAMPORE INDUSTRIES	1. MEGA LUG SERIES 2000 2. 620 SUR-GRIP BELL JOINT 621 SUR-GRIP BELL JOINT 3. SERIES 1000, 1100, 1200 ALL GRIP SERIES 3600, STARGRIP 4000 4. 1350 BELL RESTRAINER 1360 BELL RESTRAINER 1390 BELL RESTRAINER 900 ADAPTER FLANGE 1300 FITTING RESTRAINER 1500 SERIES 5. CERTALOK 6. MJ FIELD LOK; TUFGRIP SERIES 2000 7. ONE LOK, PV LOK 8. EZ GRIP
TAPPING SLEEVES SIZE ON SIZE TAPS FOR CLASS PIPE (18-8 TYPE 304 BODY, FLANGE AND BOLTS) FLANGE TO ACCEPT STANDARD TAPPING VALVES	1. FORD 2. MUELLER 3. SMITH BLAIR	1. SERIES FTSS 2. SERIES H-304 S/S 3. SERIES 633
TAPPING SLEEVES (DI/CI MJ TYPE)	1. AMERICAN FLOW CONTROL 2. CLOW 3. M & H 4. MUELLER 5. U.S. PIPE	1. SERIES 2800 2. SERIES F-5205 3. SERIES 1174 4. SERIES H-615, H-616, H-619 5. SERIES T-9
TAPPING SADDLES – FABRICATED STEEL (EPOXY COATED W/ S/S NUTS & BOLTS)	1. FORD 2. JCM 3. ROMAC 4. SMITH BLAIR	1. SERIES FTSC 2. SERIES 422, 432 3. SERIES FTS 420 4. SERIES 622
EXPANSION JOINTS	1. EBBA IRON 2. MERCER 3. METRAFLEX 4. PROCO 5. STAR	1. FLEX-TEND     5. SERIES 5000

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ITEM	MANUFACTURERS	PART NUMBER
<b>CATEGORY 5 OF 5: MISCELLANEOUS ITEMS</b>		
CASING SPACERS S/S W/VINYL RUNNERS	1. ADVANCE PRODUCTS 2. CASCADE 3. POWER SEAL 4. PSI 5.CCI	1. SERIES SS8, SS12 2. SERIES CCS-12” 3. MODEL 4810 4. SERIES C12G-2 5. CSC-8, CSC-12, CSS-8 & CSS-12
VAULT FRAME AND COVER FOR AIR RELEASE VALVES	1. CDR 2. U.S. FOUNDRY 3. WATER PLUS	2. USF 7665-HH-HJ 3. NO. 30 & 40
ELECTRONIC MARKER SYSTEM	1. 3M  2. OMNI	1. SCOTCH MARK EMSII ELECTRONICMARKER LOCATOR BLUE BALL TYPE MARKER #1408-XR 2. OMNI MARKERS MODEL #168
LOCATING WIRE	1. PRO-TRACE 2. COPPERHEAD INDUST.	1. HDD-CCS PE45 2. SOLOSHOT EHS
PAINT: AERIAL PIPE, FITTINGS AND VALVES FIELD PRIMER	1. COLOR WHEEL 2. GLIDDEN 3. KOPPERS 4. PORTER/INT’L 5. TNEMEC	1. 635 PRIMER RED 2. ALKYD METAL PRIMER 3. PUG PRIMER 4. 284 U-PRIMER 5. CHEM-PRIME H.S. SERIES 37H
FINISH (EXTERIOR)	1. COLOR WHEEL 2. GLIDDEN 3. KOPPERS 4. PORTER/INT’L. 5. TNEMEC	1. 600 ALKYD ENAMEL 2. ALKYD IND. ENAMEL 3. GLAMOREX 501 ENAMEL 4. 2410 ALKYD GLOSS 5. TNEMEC – GLOSS SERIES 2H