

PORTLAND WATER BUREAU

# MATERIALS LIST

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This list is published as part of the Material Manual and is available online.

**MATERIAL MANUAL INTERNET ADDRESS: <http://www.portlandoregon.gov/water/29862>**

**Web links updated: November 20, 2014, links may expire without notice**

## **Special Notices**

Remarks should be treated as informational and not a guarantee of current status of any product.

Products identified as Qualifies for Buy America indicate the availability of the product as manufactured in the USA at the time of review.

Web links are provided as a convenience only and are not guaranteed to be exact or up to date.

Portland Water Bureau complies with the Safe Drinking Water Act. NSF certification required on each purchase.

## **Recent updates**

Mueller C509 gate valve A2360 retired.

Mueller C509 gate valve A2362 accepted.

| Material Manual NO. (COP SCS) | CATEGORY                 | PRODUCT NAME   | LOCAL REPRESENTATIVE AND/OR MANUFACTURER                  | EFFECTIVE DATE | ODOT PRODUCT NUMBER | CITY PRODUCT NUMBER | LIST | REMARK  |
|-------------------------------|--------------------------|--|---|----------------|---------------------|---------------------|------|---|
| 501.2                         | DUCTILE IRON PIPE        | FASTITE JOINT  | AMERICAN CAST IRON PIPE Co, ACIPCO                        |                |                     |                     | Q    |   |
| 501.2                         | DUCTILE IRON PIPE        | FLEX RING  | AMERICAN DUCTILE IRON PIPE Co, ACIPCO                     |                |                     |                     | Q    | SPECIAL APPLICATION, DIRECTIONAL DRILLING AND BRIDGE CROSSINGS.   |
| 501.2                         | DUCTILE IRON PIPE        | TYTON JOINT, 4" DI   | McWANE DUCTILE  |                |                     |                     | Q    | ALLOWABLE SUBSTITUTE FOR PACIFIC STATES PIPE ORDERS FOR 4" DI PIPE.   |
| 501.2                         | DUCTILE IRON PIPE        | TYTON JOINT  | McWANE DUCTILE  |                |                     |                     | Q    | PREVIOUSLY KNOWN AS PACIFIC STATES PIPE   |
| 501.2                         | DUCTILE IRON PIPE        | THRUST LOCK  | McWANE DUCTILE  |                |                     |                     | Q    | PREVIOUSLY KNOWN AS PACIFIC STATES PIPE   |
| 501.2                         | DUCTILE IRON PIPE        | TYTON JOINT  | US PIPE AND FOUNDRY COMPANY, LLC                          |                |                     |                     | Q    |   |
| 501.2                         | DUCTILE IRON PIPE        | TR FLEX  | US PIPE AND FOUNDRY COMPANY, LLC                          |                |                     |                     | Q    |   |
| 501.2.6                       | GASKETS                  |  | VARIES  |                |                     |                     |      | GASKETS SHALL BE TYPE AS APPROVED BY THE MANUFACTURER FOR USE WITH THEIR PIPE. GASKETS SHALL BE APPROVED PER PROJECT FOR PRESSURE AND POTENTIAL CONTAMINANT REQUIREMENTS. |
| 501.4 (02475)                 | DUCTILE IRON FITTINGS    | MJ & FLANGED   | AMERICAN CAST IRON PIPE Co, ACIPCO                        |                |                     |                     |      |   |
| 501.4 (02475)                 | DUCTILE IRON FITTINGS    | MJ & FLANGED   | SIGMA   |                |                     |                     |      |   |
| 501.4 (02475)                 | DUCTILE IRON FITTINGS    | MJ & FLANGED   | TYLER PIPE/UNION FOUNDRY COMPANY (TYLER UNION)            |                |                     |                     |      | BEIJING CHENGHONG FOUNDRY ALSO ACCEPTED UNLESS "BUY AMERICA" APPLIES  |
| 501.4 (02475)                 | DUCTILE IRON FITTINGS    | MJ & FLANGED   | US PIPE AND FOUNDRY COMPANY, LLC                          |                |                     |                     |      |   |
| 501.4 (02475)                 | DUCTILE IRON FITTINGS    | MJ FOSTER ADAPTOR, (SIZES 3" THROUGH 16")                    | INFACOT CORPORATION                                       | 5/8/12         |                     |                     |      | SPECIAL APPLICATION ONLY.   |
| 501.6                         | TAPPING SLEEVES          | MJ – SERIES 2800   | AMERICAN FLOW CONTROL, AMERICAN CAST IRON PIPE Co, ACIPCO |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | MJ   | CLOW  |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | MJ – H-615   | MUELLER   |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | MJ   | TYLER UNION   |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | FLANGED  | DRESSER PIPELINE SOLUTIONS, GE OIL & GAS                  |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | FLANGED – FTSC   | FORD  |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | FLANGED – 412, 432   | JCM   |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | FLANGED – FTS-420  | ROMAC   |                |                     |                     |      |   |
| 501.6                         | TAPPING SLEEVES          | FLANGED - 622  | SMITH-BLAIR   |                |                     |                     |      | NSF-61-G  |
| 501.8                         | RESTRAINT SYSTEMS        |  |   |                |                     |                     |      |   |
| 501.8.1                       | FLEXIBLE RETAINER GLANDS | SERIES 1100 MEGALUG  | EBAA IRON   |                |                     |                     |      | QUALIFIES FOR BUY AMERICA   |
| 501.8.1                       | FLEXIBLE RETAINER GLANDS | WEDGE ACTION MJ RETAINER GLAND - UNIFLANGE – UFR 1400 SERIES | FORD  |                |                     |                     |      |   |

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| 501.8.1                       | FLEXIBLE RETAINER GLANDS                           | LUG STYLE MJ PIPE RESTRAINT GLAND - ROMAGRIP                      | ROMAC                                    |                |                     |                     |      |   |
| 501.8.1                       | FLEXIBLE RETAINER GLANDS                           | WEDGE ACTION MJ RETAINER GLAND - ONE LOK -D-SLDE                  | SIGMA                                    |                |                     |                     |      | CERTIFICATION WITH MANUFACTURING ORIGIN REQUIRED WITH EACH SHIPMENT.  |
| 501.8.1                       | FLEXIBLE RETAINER GLANDS                           | MJ FIELD LOK (4" THROUGH 12")                                     | TYLER UNION/US PIPE AND FOUNDRY Co, LLC  |                |                     |                     |      | PRODUCT IS PRIMARILY UNDER US PIPE HOWEVER IT'S OFFERED UNDER SEVERAL OF THE MCWANE INC COMPANIES AS WELL. ALLOWABLE ONLY WITH ACIPCO PIPE. |
| 501.8.2                       | RESTRAINING GASKETS                                | FAST GRIP   | AMERICAN CAST IRON PIPE Co, ACIPCO       |                |                     |                     |      | USE OF MCWANE SURESTOP 350 GASKETS ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.   |
| 501.8.2                       | RESTRAINING GASKETS                                | SURESTOP 350 (SIZES UP THROUGH 24")                               | MCWANE, INC                              |                |                     |                     |      | USE OF FIELD LOK 350 GASKETS ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.   |
| 501.8.2                       | RESTRAINING GASKETS                                | FIELD LOK 350 (SIZES UP THROUGH 24")                              | US PIPE AND FOUNDRY Co, LLC              |                |                     |                     |      | USE OF FIELD LOK 350 GASKETS ALLOWED WITH US PIPE, PAC STATES PIPE AND MCWANE PIPE.   |
| 501.8.3                       | RESTRAINING SLEEVES                                | SLEEVE COUPLING – 3800 SERIES MEGACOUPLING (SIZES 4" THROUGH 12") | EBAA IRON                                |                |                     |                     |      | QUALIFIES FOR BUY AMERICA   |
| 501.8.4                       | RESTRAINING FLANGES                                | SERIES 2100 MEGAFLANGE  | EBAA IRON                                |                |                     |                     |      | QUALIFIES FOR BUY AMERICA   |
| 501.8.5                       | RESTRAINING COUPLINGS                              |   |  |                |                     |                     |      |   |
| 501.10                        | COUPLINGS AND CLAMPS                               |   |  |                |                     |                     |      |   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | STYLE 360 REPAIR CLAMP  | DRESSER PIPELINE SOLUTIONS, GE OIL & GAS |                |                     |                     |      |   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | REPAIR CLAMP  | FORD                                     |                |                     |                     |      |   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | REPAIR CLAMP  | JCM                                      |                |                     |                     |      |   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | REPAIR CLAMP  | MUELLER                                  |                |                     |                     |      |   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | 3121AS  | POWERSEAL                                |                |                     |                     |      |   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | REPAIR CLAMP  | ROMAC                                    |                |                     |                     |      | QUALIFIES FOR BUY AMERICA   |
| 501.10.1                      | EMERGENCY LEAK REPAIR CLAMP (1 1/2 INCH AND UNDER) | REPAIR CLAMP  | SMITH-BLAIR                              |                |                     |                     |      | NSF-61-G  |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)        | FULL CIRCLE REPAIR CLAMP  | GLOW                                     | 10/22/2014     |                     |                     |      | PRODUCT AVAILABLE UNDER MCWANE?   |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE)        | FULL CIRCLE REPAIR CLAMP  | DRESSER PIPELINE SOLUTIONS, GE OIL & GAS |                |                     |                     |      |   |

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| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE) | <a href="#">FULL CIRCLE REPAIR CLAMP</a>  | FORD  |                |                     |                     |      |  |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE) | <a href="#">FULL CIRCLE REPAIR CLAMP</a>  | JCM   |                |                     |                     |      |  |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE) | <a href="#">FULL CIRCLE REPAIR CLAMP</a>  | MUELLER   |                |                     |                     |      |  |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE) | FULL CIRCLE REPAIR CLAMP – 3121AS   | POWERSEAL   |                |                     |                     |      |  |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE) | <a href="#">FULL CIRCLE REPAIR CLAMP</a>  | ROMAC   |                |                     |                     |      |  |
| 501.10.2                      | FULL CIRCLE REPAIR CLAMP (2 INCH AND ABOVE) | <a href="#">FULL CIRCLE REPAIR CLAMP</a>  | SMITH-BLAIR   |                |                     |                     |      | NSF-61-G   |
| 501.10.3                      | SERVICE SADDLE                              | SERVICE SADDLE – 3825, <a href="#">3826</a>   | AY McDONALD   |                |                     |                     |      | <b>QUALIFIES FOR BUY AMERICA</b>                 |
| 501.10.3                      | SERVICE SADDLE                              | SERVICE SADDLE – 101B, <a href="#">202B</a>   | FORD  |                |                     |                     |      |  |
| 501.10.3                      | SERVICE SADDLE                              | <a href="#">SERVICE SADDLE</a> – J979, J975   | JONES, JAMES JONES CO                                     |                |                     |                     |      |  |
| 501.10.3                      | SERVICE SADDLE                              | SERVICE SADDLE – BR1B, <a href="#">BR2B</a>   | MUELLER   |                |                     |                     |      |  |
| 501.10.3                      | SERVICE SADDLE                              | SERVICE SADDLE – 325 SERIES 103 ONLY  | SMITH-BLAIR   |                |                     |                     |      |  |
| 501.10.4                      | FLEX (BOLTED) COUPLINGS                     | FLEX COUPLING   | <a href="#">DRESSER PIPELINE SOLUTIONS</a> , GE OIL & GAS |                |                     |                     |      |  |
| 501.10.4                      | FLEX (BOLTED) COUPLINGS                     | FLEX COUPLING – <a href="#">FC1</a> , <a href="#">FC2</a> , <a href="#">FC3</a>   | FORD  |                |                     |                     |      | FC3 NOT FOUND... CHECK THIS <a href="#">PAGE</a> |
| 501.10.4                      | FLEX (BOLTED) COUPLINGS                     | FLEX COUPLING – <a href="#">210</a>   | JCM   |                |                     |                     |      |  |
| 501.10.4                      | FLEX (BOLTED) COUPLINGS                     | <a href="#">FLEX COUPLING</a>   | ROMAC   |                |                     |                     |      |  |
| 501.10.4                      | FLEX (BOLTED) COUPLINGS                     | <a href="#">FLEX COUPLING</a>   | SMITH-BLAIR   |                |                     |                     |      |  |
| 502                           | CONCRETE CYLINDER PIPE AND FITTINGS         |   |   |                |                     |                     |      |  |
| 503                           | STEEL PIPE AND FITTINGS                     |   |   |                |                     |                     |      |  |
| 504                           | COPPER AND BRASS PIPE AND FITTINGS          |   |   |                |                     |                     |      |  |
| 504.2                         | COPPER PIPE                                 | TYPE K SEAMLESS AND ANNEALED. LARGER THAN 1-INCH SHALL BE HARD DRAWN DESIGN. 1-INCH AND SMALLER SHALL BE SOFT DRAWN DESIGN.     |   |                |                     |                     |      |  |
| 504.6                         | BRASS SERVICE FITTINGS                      | <a href="#">CORP STOPS</a> , <a href="#">ANGLE METER STOPS</a> , <a href="#">COUPLINGS</a> , <a href="#">ANGLE METER VALVES</a> | AY McDONALD   |                |                     |                     |      | NSF 61-G, <b>QUALIFIES FOR BUY AMERICA</b>       |
|                               |   | <a href="#">CORP STOPS</a> , <a href="#">ANGLE METER STOPS</a> , <a href="#">COUPLINGS</a> , <a href="#">ANGLE METER VALVES</a> | CAMBRIDGE BRASS   |                |                     |                     |      |  |
|                               |   | <a href="#">CORP STOPS</a> , <a href="#">ANGLE METER STOPS</a> , <a href="#">COUPLINGS</a> , <a href="#">ANGLE METER VALVES</a> | FORD  |                |                     |                     |      | NSF 61-G   |
|                               |   | <a href="#">CORP STOPS</a> , <a href="#">ANGLE METER STOPS</a> , <a href="#">COUPLINGS</a> , <a href="#">ANGLE METER VALVES</a> | JONES, JAMES JONES CO                                     |                |                     |                     |      | UPDATE PARTS LINKS WHEN NSF 61-G INCORPORATED.   |

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|                               |  | CORP STOPS, ANGLE METER STOPS, COUPLINGS, ANGLE METER VALVES  | MUELLER  |                |                     |                     |      |  |
| 504.10                        | METER SETTERS/RESETTERS                  | METER SETTERS 70-80 SERIES (DRAWING B95035-04)  | FORD   |                |                     |                     |      |  |
|                               |  | METER SETTERS DRAWING B2423-2-17, JULY 2000   | MUELLER  |                |                     |                     |      |  |
|                               |  | METER RESETTERS   | AY McDONALD  |                |                     |                     |      | NSF 61-G, QUALIFIES FOR BUY AMERICA  |
|                               |  | METER RESETTERS   | FORD   |                |                     |                     |      |  |
|                               |  | METER RESETTERS   | MUELLER  |                |                     |                     |      |  |
| 505A                          | VALVES                                   | GATE VALVES (IRON BODY) MJ EXCEPT FLG x MJ FOR HYDRANTS, 150 PSI<br>FLG VALVES ALLOWED WHEN SPECIFIED BY PROJECT ONLY |  |                |                     |                     |      | SEE ALSO SCS SECTION 02480.  |
| 505.2                         | GATE VALVES – RESILIENT SEATED AWWA C509 | GATE VALVE, BRONZE STEM – SERIES 25   | AMERICAN AVK   |                |                     |                     |      |  |
|                               |  | GATE VALVE, STAINLESS STEEL STEM – SERIES 25  | AMERICAN AVK   |                |                     |                     |      | SPECIAL APPLICATION ONLY   |
|                               |  | GATE VALVE – 2500 (2"-12"<br>GATE VALVE – 2500 (14"-24"   | AMERICAN FLOW CONTROL,<br>AMERICAN CAST IRON PIPE Co, ACIPCO |                |                     |                     |      | NSF 61-G 4" THROUGH 66", NOT FOUND FOR 2". UL (MECHANICAL TESTING) ONLY FOUND THROUGH 24". NEED UPDATED CERTS FOR MISSING SIZES. |
|                               |  | GATE VALVE – RESILIENT WEDGE  | CLOW   |                |                     |                     |      |  |
|                               |  | GATE VALVE – C509   | KENNEDY VALVE  |                |                     |                     |      | NSF 61-G   |
|                               |  | GATE VALVE – 4067   | M&H VALVE  |                |                     |                     |      | NSF 61-G( DOES NOT INCLUDE 2")   |
|                               |  | GATE VALVE – A2362  | MUELLER  | 12/18/2019     |                     |                     |      |  |
| 505.4                         | BUTTERFLY VALVES                         | BUTTERFLY VALVES  | DEZURIK  |                |                     |                     |      |  |
|                               |  | BUTTERFLY VALVES – MODEL 4500 (3" TO 24")   | KENNEDY VALVE  |                |                     |                     |      |  |
|                               |  | BUTTERFLY VALVES – MODEL 4500 (3" TO 24")   | M&H VALVE  |                |                     |                     |      | CHECK MODEL NUMBER   |
|                               |  | BUTTERFLY VALVES – MODEL 1450 (30" TO 48")  | KENNEDY VALVE  |                |                     |                     |      |  |
|                               |  | BUTTERFLY VALVES – MODEL 1450 (30" TO 48")  | M&H VALVE  |                |                     |                     |      |  |
|                               |  | BUTTERFLY VALVES – LINESEAL III   | MUELLER  |                |                     |                     |      |  |
|                               |  | BUTTERFLY VALVES – GROUNDHOG, TRITON  | PRATT, HENRY PRATT COMPANY                                   |                |                     |                     |      | NSF 61-G   |
| 505.10                        | AIR RELEASE VALVE                        | AIR RELEASE VALVE – 050-RBX-2511  | VENT-O-MAT   |                |                     |                     |      |  |
| 505.11                        | SILENT CHECK VALVE                       | SILENT CHECK VALVE  | DEZURIK/APCO<br>WILLAMETTE                                   |                |                     |                     |      | NOTE MANUFACTURER NAME CHANGE.   |
| 505.12                        | PRESSURE REDUCING VALVE                  | PRESSURE REDUCING VALVE – PILOT OPERATING (2-1/2-INCH AND UNDER)  | CLA-VAL  |                |                     |                     |      |  |

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|                               |   | PRESSURE REDUCING VALVE – 90G-01 (3-INCH AND ABOVE)                | CLA-VAL                                  |                |                     |                     |      |  |
|                               |   | PRESSURE REDUCING VALVE – DIRECT ACTING (2-1/2-INCH AND UNDER)     | WATTS                                    |                |                     |                     |      |  |
| 505.14                        | PRESSURE RELIEVE VALVE                      | PRESSURE RELIEF VALVE – TYPE 1982                                  | DRESSER PIPELINE SOLUTIONS, GE OIL & GAS |                |                     |                     |      |  |
| 505.15                        | BLOWOFF                                     | BLOWOFF/AIR RELEASE TF-500   | KUPFERLE FOUNDRY COMPANY                 |                |                     |                     |      | NOT TO BE USED AT THE END OF WATER MAINS                   |
| 505B                          | METERS                                      |  |  |                |                     |                     |      |  |
| 505.6                         | SMALL DOMESTIC METER                        | SMALL METER – RECORDALL 25, 35, 55, 70                             | BADGER METER                             | 11/01/2012     |                     |                     |      | NSF 61-G   |
|                               |   | SMALL METER – 400 IIS  | HERSEY METERS, MUELLER SYSTEMS           |                |                     |                     |      |  |
|                               |   | SMALL METER – T-10   | NEPTUNE TECHNOLOGY GROUP                 |                |                     |                     |      |  |
| 505.8                         | LARGE METERS                                |  |  |                |                     |                     |      |  |
| 505.8.1                       | POSITIVE DISPLACEMENT METER                 | METER – T-10 (1-1/2-INCH AND 2-INCH) WITH AUTO READ REGISTER & TP  | NEPTUNE TECHNOLOGY GROUP                 |                |                     |                     |      |  |
| 505.8.2                       | COMPOUND METERS                             | METER – TRU-FLO 2", 3", 4", 6" WITH AUTO READ REGISTER & TP        | NEPTUNE TECHNOLOGY GROUP                 |                |                     |                     |      |  |
|                               |   | METER – OMNI C2  | SENSUS                                   | 09/13/2012     |                     |                     |      |  |
| 505.8.3                       | DETECTOR DOUBLE CHECK                       | SECTION ELIMINATED. USE STATE OF OREGON LISTINGS AND REQUIREMENTS. |  |                |                     |                     |      |  |
| 505.8.4                       | TURBINE METERS                              | METER – HPT (HIGH PERFORMANCE TURBINE METER)                       | NEPTUNE TECHNOLOGY GROUP                 | 09/13/2012     |                     |                     |      |  |
|                               |   | METER – W SERIES WITH INTEGRAL STRAINER WITH ICE REGISTER & TP     | SENSUS                                   |                |                     |                     |      |  |
|                               |   | METER – W SERIES WITH SEPARATE STRAINER WITH ICE REGISTER & TP     | SENSUS                                   |                |                     |                     |      |  |
|                               |   | METER – OMNI T2  | SENSUS                                   | 09/13/2012     |                     |                     |      |  |
| 505.8.5                       | COMBINATION FIRE-DOMESTIC METER             | METER – HP (HIGH PERFORMANCE) PROTECTUS III FIRE SERVICE METER     | NEPTUNE TECHNOLOGY GROUP                 |                |                     |                     |      |  |
| 505C                          | BOXES, FRAMES AND COVERS                    |  |  |                |                     |                     |      |  |
| 505.16                        | CAST IRON VALVE BOX & CAST IRON METER BOXES |  |  |                |                     |                     |      |  |
| 505.18                        | METER BOXES, COVERS AND LIDS                | METER BOX – DFW486WBC4-12-4MPP                                     | DFW PLASTICS, INC.                       | 7/16/2019      |                     |                     |      |  |
|                               |   | METER BOX COVER – DFW486C-4MPP-LID                                 | DFW PLASTICS, INC.                       | 7/16/2019      |                     |                     |      |  |
| 505.20                        | 24-INCH BY 36-INCH FRAME AND COVER          | FRAME AND COVER EC-3-HD-PORT                                       | SYRACUSE CASTINGS                        |                |                     |                     |      | OTHER SIZES IN THIS SERIES ACCEPTABLE FOR USE AS SPECIFIED |

