

PLUMBING SPECIFICATIONS			SLI GROUP, INC.		
DOMESTIC WATER PIPING - COPPER TUBE AND FITTINGS			15810 PARK TEN PLACE, SUITE 300 HOUSTON, TEXAS 77064 713-665-4650 www.sligroup.com		
A. HARD COPPER TUBE: ASTM B 88, TYPE L (ASTM B 88M, TYPE B) WATER TUBE, DRAWN TEMPER. 1. CAST-COPPER SOLDER-JOINT FITTINGS: ASME B16.18, PRESSURE FITTINGS. 2. WROUGHT-COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS. 3. BRONZE FLANGES: ASME B16.24, CLASS 150, WITH SOLDER-JOINT ENDS. 4. COPPER UNIONS: MSS SP-123, CAST-COPPER-ALLOY, HEXAGONAL-STOCK BODY, WITH BALL-AND-SPOUT END, METAL-TO-METAL SEATING SURFACES, AND SOLDER-JOINT OR THREADED ENDS. B. SOFT COPPER TUBE: ASTM B 88, TYPE K (ASTM B 88M, TYPE A) AND ASTM B 88, TYPE L (ASTM B 88M, TYPE B) WATER TUBE, ANNEALED TEMPER. COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS, COPPER PRESSURE-SEAL-JOINT FITTINGS. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: 1. NIBCO INC. 2. VEGA: PLUMBING AND HEATING SYSTEMS. 3. 2 IN (DN 50) AND SMALLER: WROUGHT-COPPER FITTING WITH EPDM-RUBBER O-RING SEAL IN EACH END. NPS 3 AND NPS 4 (DN 80 AND DN 100): CAST-BRONZE OR WROUGHT-COPPER FITTING WITH EPDM-RUBBER O-RING SEAL IN EACH END. C. DIELECTRIC FITTINGS GENERAL REQUIREMENTS: ASSEMBLY OF COPPER ALLOY AND FERROUS MATERIALS WITH SEPARATING NONCONDUCTIVE INSULATING MATERIAL. INCLUDE END CONNECTIONS COMPATIBLE WITH PIPES TO BE JOINED. D. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DOMESTIC WATER PIPING. INDICATED LOCATIONS AND ARRANGEMENTS ARE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS. E. INSTALL COPPER TUBING UNDER BUILDING SLAB ACCORDING TO CDA'S "COPPER TUBE HANDBOOK". F. INSTALL SHUTOFF VALVE IMMEDIATELY UPSTREAM OF EACH DIELECTRIC FITTING. G. INSTALL DOMESTIC WATER PIPING LEVEL WITH 0.125 PERCENT SLOPE DOWNWARD TOWARD DRAIN AND PLUMB. H. INSTALL PIPING CONCEALED FROM VIEW AND PROTECTED FROM PHYSICAL CONTACT BY BUILDING OCCUPANTS UNLESS OTHERWISE INDICATED AND EXCEPT IN EQUIPMENT ROOMS AND SERVICE AREAS. I. INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE. J. INSTALL PIPING ADJACENT TO EQUIPMENT AND SPECIALTIES TO ALLOW SERVICE AND MAINTENANCE. K. INSTALL PIPING TO PERMIT VALVE SERVICING. L. INSTALL NIPPLES, UNIONS, SPECIAL FITTINGS, AND VALVES WITH PRESSURE RATINGS THE SAME AS OR HIGHER THAN SYSTEM PRESSURE RATING USED IN APPLICATIONS BELOW UNLESS OTHERWISE INDICATED. N. INSTALL PIPING FREE OF SACS AND BENDS. O. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. P. INSTALL UNIONS IN COPPER TUBING AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT, MACHINE, AND SPECIALTY. Q. INSTALL SLEEVES FOR PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS. R. INSTALL ESCUTCHEONS FOR PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS. S. INSTALL SHUTOFF VALVE CLOSE TO WATER MAIN ON EACH BRANCH AND RISER SERVING PLUMBING FIXTURES OR EQUIPMENT ON EACH WATER SUPPLY TO EQUIPMENT, AND ON EACH WATER SUPPLY TO PLUMBING FIXTURES THAT DO NOT HAVE SUPPLY STOPS. USE BALL VALVES FOR PIPING NPS 2 (DN 50) AND SMALLER. USE GATE VALVES FOR PIPING NPS 2-1/2 (DN 65) AND LARGER. T. HANGER AND SUPPORT INSTALLATION: SUPPORT VERTICAL PIPING AND TUBING AT BASE AND AT EACH FLOOR. U. ROD DIAMETER MAY BE REDUCED ONE SIZE FOR DOUBLE-ROD HANGERS, TO A MINIMUM OF 3/8 INCH (10 MM). V. INSTALL HANGERS FOR COPPER TUBING WITH THE FOLLOWING MAXIMUM HORIZONTAL SPACING AND MINIMUM ROD DIAMETERS: 1. NPS 3/4 (DN 20) AND SMALLER: 60 INCHES (1500 MM) WITH 3/8-INCH (10-MM) ROD. 2. NPS 1 AND NPS 1-1/4 (DN 25 AND DN 32): 72 INCHES (1800 MM) WITH 3/8-INCH (10-MM) ROD. 3. NPS 1-1/2 AND NPS 2 (DN 40 AND DN 50): 96 INCHES (2400 MM) WITH 3/8-INCH (10-MM) ROD. 4. NPS 2-1/2 (DN 65): 108 INCHES (2700 MM) WITH 1/2-INCH (13-MM) ROD. 5. NPS 3 (DN 80) AND NPS 4 (DN 100): 10 FEET (3 M) WITH 1/2-INCH (13-MM) ROD. 6. NPS 6 (DN 150): 10 FEET (3 M) WITH 3/4-INCH (19-MM) ROD. 7. NPS 8 (DN 200): 10 FEET (3 M) WITH 3/4-INCH (19-MM) ROD. W. INSTALL SUPPORTS FOR VERTICAL COPPER TUBING EVERY 10 FEET (3 M). X. FIELD QUALITY CONTROL PERFORM TESTS AND INSPECTIONS. PIPING INSPECTIONS: 1. DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT HAS BEEN INSPECTED AND APPROVED BY AUTHORITIES HAVING JURISDICTION. 2. DURING INSTALLATION, NOTIFY AUTHORITIES HAVING JURISDICTION AT LEAST ONE DAY BEFORE INSPECTION MUST BE MADE. PERFORM TESTS SPECIFIED BELOW IN PRESENCE OF AUTHORITIES HAVING JURISDICTION. 3. ROUGHING-IN INSPECTION: ARRANGE FOR INSPECTION OF PIPING BEFORE CONCEALING OR CLOSING-IN AFTER ROUGHING-IN AND BEFORE SETTING FIXTURES. 4. FIN INSPECTION: ARRANGE FINAL INSPECTION FOR AUTHORITIES HAVING JURISDICTION TO OBSERVE TESTS SPECIFIED BELOW AND TO ENSURE COMPLIANCE WITH REQUIREMENTS. 5. RENSPECTION: IF AUTHORITIES HAVING JURISDICTION FIND THAT PIPING WILL NOT PASS TESTS OR INSPECTIONS, MAKE REQUIRED CORRECTIONS AND ARRANGE FOR RENSPECTION. 6. REPORTS: PREPARE INSPECTION REPORTS AND HAVE THEM SIGNED BY AUTHORITIES HAVING JURISDICTION. Y. PIPING TESTS: 1. DOMESTIC WATER PIPING: CHECK COMPONENTS TO DETERMINE THAT THEY ARE NOT AIR BOUND AND THAT PIPING IS FULL OF WATER. 2. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED. 3. LEAVE NEW, ALTERED, EXTENDED, OR REPLACED DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS TESTED. 4. CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG (345 KPA) ABOVE OPERATING PRESSURE, WITHOUT EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW TO STAND FOR FOUR HOURS. LEAKS AND LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. 5. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS AND RETEST PIPING OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED. 6. PREPARE REPORTS FOR TESTS AND FOR CORRECTIVE ACTION REQUIRED. Z. DOMESTIC WATER PIPING WILL BE CONSIDERED DEFECTIVE IF IT DOES NOT PASS TESTS AND INSPECTIONS. AA. PREPARE TEST AND INSPECTION REPORTS. AB. CLEAN AND DISINFECT POTABLE AND NON-POTABLE DOMESTIC WATER PIPING AS FOLLOWS: AC. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USE. AD. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION, IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW. 1. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DRYT WATER DOES NOT APPEAR AT OUTLETS. 2. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME SHOWS AUTHORITIES HAVING JURISDICTION. 3. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION. AE. UNDER-BUILDING-SLAB DOMESTIC WATER PIPING, NPS 2 (DN 50) AND SMALLER, SHALL BE THE FOLLOWING: 1. SOFT COPPER TUBE, ASTM B 88, TYPE L (ASTM B 88M, TYPE B); WROUGHT-COPPER SOLDER-JOINT FITTINGS, AND BRANZED JOINTS. AF. ABOVEGROUND DOMESTIC WATER PIPING, NPS 2 (DN 50) AND SMALLER, SHALL BE THE FOLLOWING: 1. HARD COPPER TUBE, ASTM B 88, TYPE L (ASTM B 88M, TYPE B); WROUGHT-COPPER SOLDER-JOINT FITTINGS; AND SOLDERED JOINTS. 2. COPPER PRESS FITTINGS: AT THE CONTRACTOR'S OPTION ON THE DOMESTIC HOT AND COLD WATER PIPING, COOLING COIL, CONDENSATE DRAINS IN COPPER UNIONS 1/2" DIAMETER UP THROUGH 2-1/2" DIAMETER MECHANICAL PRESS (PRO-PRESS) JOINTS AND FITTINGS INCLUDING THE "SMART CONNECTION" FEATURE OPTION TO ENSURE THAT UNPRESSURED FITTING WILL EASILY AND RELIABLY DETECTED DURING PRESSURE TESTING AS MANUFACTURED BY VEGA, NIBCO AND APOLLO PRESS WILL BE ACCEPTABLE. PROVIDED THE FITTING MANUFACTURER'S RECOMMENDED CRIMPING TOOL WITH PROPERLY SIZED REPLACEABLE JAWS ARE UTILIZED RIGID TOOL COMPANY. INSTALLATION WILL BE IN ACCORDANCE WITH MANUFACTURER'S APPROVED PUBLISHED GUIDELINES HANGERS AND SUPPORTS. AG. ABOVEGROUND DOMESTIC WATER PIPING, NPS 2-1/2 TO NPS 4 (DN 65 TO DN 100), SHALL BE OF THE FOLLOWING: 1. HARD COPPER TUBE, ASTM B 88, TYPE L (ASTM B 88M, TYPE B); CAST-COPPER SOLDER-JOINT FITTINGS; AND SOLDERED JOINTS. 2. GALVANIZED-STEEL PIPE: GROOVED-JOINT, GALVANIZED-STEEL-PIPE APPURTENANCES; AND GROOVED JOINTS. AH. DRAWINGS INDICATE VALVE TYPES TO BE USED, WHERE SPECIFIC VALVE TYPES ARE NOT INDICATED, THE FOLLOWING REQUIREMENTS APPLY. 1. SHUTOFF DUTY: USE BALL VALVES FOR PIPING NPS 2 (DN 50) AND SMALLER. USE GATE VALVES WITH FLANGED ENDS FOR PIPING NPS 2-1/2 (DN 65) AND LARGER. 2. THROTTLING DUTY: USE BALL VALVES FOR PIPING NPS 2 (DN 50) AND SMALLER. USE GATE VALVES WITH FLANGED ENDS FOR PIPING NPS 2-1/2 (DN 65) AND LARGER. 3. HOT-WATER CIRCULATION PIPING, BALANCING DUTY: CALIBRATED BALANCING VALVES. 4. DRAIN DUTY: HOSE-END DRAIN VALVES. AI. USE CHECK VALVES TO MAINTAIN CORRECT DIRECTION OF DOMESTIC WATER FLOW TO AND FROM EQUIPMENT. AJ. IRON GROOVED-END VALVES MAY BE USED WITH GROOVED-END PIPING.			AK. WATER HAMMER ARRESTERS GENERAL REQUIREMENTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: A. AMTROL, INC. B. JOSAM COMPANY. C. MIFAB, INC. D. PIP INC. E. SIOUX CHIEF MANUFACTURING COMPANY, INC. F. SMITH, JAY R. MFG. CO.; DIVISION OF SMITH INDUSTRIES, INC. G. TYLER PIPE, WADE DIV. H. WAITS DRAINAGE PRODUCTS INC. 2. STANDARD: ASSE 101 OR PDI-WH-201. 3. TYPE: COPPER SUBE WITH PISTON. 4. SIZE: ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. INSTALL WATER HAMMER ARRESTERS IN WATER PIPING ACCORDING TO PDI-WH 201. INSTALL AIR VENTS AT HIGH POINTS OF WATER PIPING. INSTALL DRAIN PIPING AND DISCHARGE ONTO FLOOR DRAIN. AL. SANITARY WASTE AND STORM PIPING GENERAL REQUIREMENTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING: A. HUB-AND-SPIGOT, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. B. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. C. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. D. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. E. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. F. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. G. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. H. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. I. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. J. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. K. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. L. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. M. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. N. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. O. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. P. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. Q. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. R. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. S. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. T. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. U. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. V. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. W. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. X. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. Y. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. Z. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AL. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AM. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AN. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AO. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AP. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AQ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AR. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AS. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AT. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AV. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AW. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AX. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AY. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. AZ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BL. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BM. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BN. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BO. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BP. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BQ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BR. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BS. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BT. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BV. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BW. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BX. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BY. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. BZ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CL. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CM. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CN. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CO. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CP. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CQ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CR. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CS. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CT. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CV. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CW. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CX. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CY. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. CZ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DL. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DM. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DN. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DO. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DP. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DQ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DR. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DS. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DT. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DV. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DW. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DX. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DY. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. DZ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. ED. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EL. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EM. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EN. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EO. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EP. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EQ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. ER. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. ES. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. ET. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EV. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EW. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EX. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EY. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. EZ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FL. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FM. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FN. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FO. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FP. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FQ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FR. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FS. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FT. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FU. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FV. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FW. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FX. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FY. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. FZ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GA. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GB. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GC. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GD. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GE. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GF. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GG. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GH. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GI. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GJ. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 564, RUBBER. GK. HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS ASTM A 74, SERVICE CLASS(E), GASKETS: ASTM C 56		