



CSI: DIVISION: 22 00 00 – PLUMBING  
Section: 22 13 16 – Sanitary Waste and Vent Piping

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Cast Iron Soil Pipe and Fittings

Listee: AB&I Foundry  
11910 County Road 492  
Tyler, TX 75706  
[www.mcwanepldgrp.com](http://www.mcwanepldgrp.com)

Compliance with the following codes:

2024, 2021, 2015, 2012 and 2009 *International Plumbing Code® (IPC)*  
2021, 2015, 2012 and 2009 *International Residential Code® (IRC)*  
2024, 2021, 2015, 2012 and 2009 *Uniform Plumbing Code® (UPC)\**

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Compliance with the following standards:

ASTM A74-2021, Standard Specification for Cast Iron Soil Pipe and Fittings

Identification:

Each length of pipe and each fitting shall be plainly marked with the country of the origin, the manufacturer's name or registered trademark by which the manufacturer can be readily identified after installation, ICC-ES PMG listing mark, and with letters to indicate the proper classification, as follows:

XH Extra Heavy  
SV Service

The marking shall be cast, stenciled, or otherwise applied on the pipe so as to clear and legible after installation. The marking shall be cast with raised letters on fittings and shall be clear and legible after installation and located away from the spigot end so as not to interfere with proper joining upon installation. Ductile iron pipe and fittings shall have the letter DI cast or metal stamped on the pipe.

Each pipe shall be marked with the date of manufacturer. The marking shall be stenciled on the pipe or otherwise applied to be clear and legible. The marking shall be a minimum of 3/4-in size.

Models:

Cast iron soil pipe and fittings for use in gravity flow applications. These pipe and fittings are not intended for pressure applications as the selection of the proper size for drain, waste, vent and storm drain systems allow free air space for gravity drainage.

Extra Heavy and Service, Single Hub and Double Hub

5 Feet and 10 Feet

Feet Nominal Laying Lengths

SIZES: 2", 3", 4", 5", 6", 8", 10", 12", 15"

**FITTINGS:** Extra Heavy and Service

1/4 Bend

2", 3", 4", 5", 6", 8", 10", 12", 15"

Description	Sizes
Long 1/4 Bend	2"x12", 2"x14", 2"x16", 2"x18", 3"x12", 3"x18", 4"x12", 4"x18"
Short Sweep	2", 3", 4", 5", 6", 8", 10"
Short Sweep, Double	2"
Long Sweep	1-1/2", 2", 3", 4", 5", 6", 8"
Reducing Long Sweep	3"x2", 4"x3"
1/5 Bend	2", 3", 4"
1/6 Bend	2", 3", 4"
1/8 Bend	1-1/2", 2", 3", 4", 5", 6", 8", 10"
Long 1/8 Bend	2"x12", 2"x14", 2"x16", 2"x18", 3"x12", 3"x18", 4"x12"
1/16 Bend	1-1/2", 2", 3", 4", 5", 6", 8"
Sanitary Tee	1-1/2", 2"x1-1/2", 2", 3"x1-1/2", 3"x2", 3", 4"x2", 4"x3", 4", 5"x2", 5"x3", 5"x4", 5", 6"x2", 6"x3", 6"x4", 6"x5", 6", 8"x2", 8"x3", 8"x4", 8"x5", 8"x6", 8"
Sanitary Tee w/Hi-Vent	2"x2"x2"
Increasing Sanitary Tee	3"x3"x4"
Increasing Sanitary Tee w/2" Side Opening (R or L)	3"x3"x4"x2"
Sanitary Tee w/R or L Side Opening	3"x3"x2", 4"x2"x2", 4"x3"x2", 4"x4"x2"
Sanitary Tee w/2" Side Opening w/R or L Opening or Both	3"x3"x2", 4"x4"x2"
Sanitary Tee w/Side Opening Above Center (R or L or Both)	3"x3"x2", 4"x4"x2"
Sanitary Tee w/45° Side Openings Above Center (R or L or Both)	3"x3"x2", 4"x4"x2"
Sanitary Tapped Tee	1-1/2"x1-1/4", 1-1/2"x1-1/2", 2"x1-1/4", 2"x1-1/2", 2"x2", 3"x1-1/4", 3"x1-1/2", 3"x2", 3"x3", 4"x1-1/4", 4"x1-1/2", 4"x2", 5"x1-1/4", 5"x1-1/2", 5"x2"
Sanitary Tee w/Tap on Top	2"x1-1/2"x2"
Sanitary Tee w/Hi-Vent Tap	2"x1-1/2"x2"
Sanitary Tapped Tee w/Tap on Top	2"x1-1/2"x1-1/2", 2"x1-1/2"x2", 2"x2"x1-1/2"
Sanitary Tapped Tee w/90° Side Sanitary Tap	2"x2"x2", 2"x1-1/2"x1-1/2", 3"x2"x2", 3"x1-1/2"x1-1/2"
Horizontal Twin Sanitary Tapped Tee	2"x1-1/2", 3"x1-1/2", 4"x1-1/2"
Double Vertical Sanitary Tapped Tee	2"x1-1/2", 3"x1-1/2", 4"x1-1/2"
Wye	1-1/2", 2", 3", 4", 5", 6", 8", 10", 3"x2", 4"x2", 4"x3", 5"x2", 5"x3", 5"x4", 6"x2", 6"x3", 6"x4", 6"x5", 8"x2", 8"x3", 8"x4", 8"x5", 8"x6", 10"x4", 10"x6", 10"x8"
Wye w/2" Side Opening (R or L)	3", 4"
Wye, Tapped (Single or Double)	2"x1-1/2", 2"x2", 3"x1-1/2", 3"x2", 4"x1-1/2", 4"x2"
Double Wye	2", 3"x2", 3", 4"x2", 4"x3", 4", 5"x4", 6"x4", 6", 8"x4", 8"x6", 8"
Wye 60	2", 3"x2", 3", 4"x2", 4"
Wye, Double, 60	3"x2", 4"x2"

Upright Wye	2", 3"x2", 3", 4"x2", 4"x3", 4"
Upright Wye - Wide Center	3", 4"x3", 4"
Combination Wye and 1/8 Bend	1-1/2", 2", 3", 4", 5", 6", 8", 2"x1-1/2", 3"x2", 4"x2", 4"x3", 5"x2", 5"x3", 5"x4", 6"x2", 6"x3", 6"x4", 6"x5", 8"x4", 8"x5", 8"x6"
Combination Wye and 1/8 Bend Reducing	3"x2"x3", 3"x3"x4", 4"x2"x4", 4"x3"x3", 4"x3"x4"
Combination Wye and 1/8 Bend w/Cleanout	2"x1-1/2"x2", 3"x2-1/2"x3", 4"x3-1/2"x4"
Combination Wye and 1/8 Bend Double	2", 3"x2", 3", 4"x2", 4"x3", 4"
Sanitary Cross (Vent Only)	1-1/2", 2", 3", 4", 6", 8", 4"x3", 6"x5"
Sanitary Cross	3"x2", 4"x2", 6"x2", 6"x3", 6"x4", 8"x4", 8"x6"
Sanitary Cross w/Side Opening	3"x3"x2", 4"x4"x2"
Increasing Sanitary Cross (Vent Only)	3"x3"x4"x4"
Increasing Sanitary Cross w/2" Side Opening (Vent Only)	3"x4"x2"
Increasing Sanitary Cross w/Side Openings Above Center (Vent Only)	3"x3"x2", 4"x4"x2"
Sanitary Cross w/Two 45° Side Openings on Same Side (Vent Only)	3"x3"x2", 4"x4"x2"
Sanitary Tapped Cross	2"x1-1/4", 3"x1-1/4", 3"x1-1/2", 3"x2", 4"x1-1/4", 4"x1-1/2", 4"x2", 6"x1-1/4", 6"x1-1/2", 6"x2"
Sanitary Tapped Cross (Vent Only)	1-1/2"x1-1/4", 1-1/2"x1-1/2", 2"x1-1/2", 2"x2"
Test Tee (IPS Tap Same as Nominal Unless Indicated)	2", 3", 4"x3-1/2", 4", 5", 6", 8", 10"
Test Tee, Extended	3"x3"x2-1/2"x18", 3"x3"x3"x18", 4"x4"x3-1/2"x18"
Test Tee, Extended, Reducing	3"x2"x2-1/2"x18", 3"x2"x3"x18", 4"x2"x3-1/2"x18", 4"x3"x3-1/2"x18"
Test Tee, Reducing	4"x3"x3-1/2"
Tapped Extension Piece	2"x1-1/2", 2"x2", 3"x3", 4"x3-1/2"x4"x3-1/2"x18"
Increaser - Reducer	2"x3", 2"x4", 3"x4", 4"x6", 5"x6"
Short Increaser - Reducer	2"x1-1/2", 3"x2", 4"x2", 4"x3", 5"x2", 5"x3", 5"x4", 6"x2", 6"x3", 6"x4", 6"x5", 8"x2", 8"x3", 8"x4", 8"x5", 8"x6", 10"x4", 10"x6", 10"x8"
Tapped Adaptors	1-1/2"x1-1/4", 1-1/2"x1-1/2", 2"x1-1/4", 2"x1-1/2", 2"x2", 3"x1-1/4", 3"x1-1/2", 3"x2", 3"x2-1/2", 4"x3-1/2", 5"x4", 6"x5", 8"x6"
Blind Plug	1-1/2", 2", 3", 4", 5", 6", 8", 10"
Iron Body Cleanout Tapped	3", 4", 5", 6", 8"
P Trap	1-1/2", 2", 3", 4", 6"
Long P Trap	2"x12", 2"x14", 2"x16", 2"x18", 2"x24"
Long P Trap, Tapped	2"x1-1/2"x12", 2"x2"x12", 2"x1-1/2"x14", 2"x2"x14", 2"x1-1/2"x16", 2"x2"x16", 2"x1-1/2"x18", 2"x2"x18"
Deep Seal P Trap	2", 3", 4"
P Trap, Reducing	3"x2", 4"x3"
P Trap w/Primer	2", 3", 4"
P Trap w/Tapped Inlet	1-1/2"x1-1/4", 1-1/2"x1-1/2", 2"x1-1/4", 2"x1-1/2", 2"x2"
Hub Adaptor	2", 3", 4"
Figure 1A Fitting	2"x2"x1-1/2"x1-1/2"
Figure 1B Fitting	2"x1-1/2"x1-1/2"x1-1/2"
Figure 2 Fitting, Single (L or R)	2"x2"x2"x1-1/2", 2"x2"x1-1/2"x1-1/2"
Figure 2 Fitting, Double	2"x2"x2"x1-1/2", 2"x2"x1-1/2", 1-1/2"
Figure 5 Fitting	2", 3"x2"x3", 3", 4"x2"x4", 4"x3"x4", 4"
Figure 5 Fitting, Extended	3"x2"x3", 4"x2"x4"
Figure 6 Fitting Regular or Extended (L or R or Double)	3"x2", 4"x2"
Figure 8 Fitting Extended Regular(L or R or Double)	3"x2", 4"x2"
Combination, Partition, Long	2"
Carlson Fitting w/Hubless or Tapped Vent	2"x2"x1-1/2"x1-1/2" (No Hub Vent), 2"x1-1/2"x1-1/2"x1-1/2" (Tapped Vent)
Stack Wye	4"x3"x3-1/2"
Two Way Cleanout	3"x3"x4", 4"x3"x4", 4"x4"x4", 6"x6"x6"

Twin Cleanout	4"
Closet Bend	3"x4"x4"x16", 3"x4"x6"x12", 3"x4"x6"x16", 3"x4"x10"x12", 3"x4"x10"x16", 3"x4"x12"x16", 4"x4"x4"x16", 4"x4"x6"x12", 4"x4"x6"x16", 4"x4"x10"x12", 4"x4"x10"x16", 4"x4"x12"x16"
Closet Flange	4"x3"x3-1/2", 4"x3"x5-1/2", 4"x4"x4"
Stack Fitting (R or L)	3"x4"x2"x2"x2"

Conditions of Listing:

1. AB&I Foundry Cast Iron Pipe and Fittings must be installed in accordance with this listing, the applicable code and the manufacturer's published installation instructions. The instructions within this listing must govern if there are any conflicts between the manufacturer's published instructions and this listing.
2. Pipe and Fittings are manufactured in Tyler Texas under a quality control program with annual inspections by ICC-ES.