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ICC-ES Report

PMG-1083

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Reissued 05/2017
This report is subject to renewal 05/2018

EVALUATION SUBJECT:

CAST IRON SOIL PIPE AND FITTINGS – EXTRA HEAVY OR SERVICE

DIVISION:

22 00 00—PLUMBING

SECTION:

22 13 16—SANITARY WASTE AND VENT PIPING

Report Holder:

CHARLOTTE PIPE AND FOUNDRY COMPANY

P.O. BOX 35430
CHARLOTTE, NC 28208



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ICC-ES PMG Listing

PMG-1083



Effective Date: May 2017

This listing is subject to re-examination in one year.

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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: Charlotte Pipe and Foundry Company
P.O. Box 35430
Charlotte, NC 28208

Compliance with the following codes:

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

*Uniform Plumbing Code is a copyrighted publication of the International Association of Plumbing and Mechanical Officials

Compliance with the following standards:

ASTM A74-2016, Standard Specification of 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 initials or registered trademark by which the manufacturer can be readily identified after installation, 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 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.

Each pipe shall be marked with the date of manufacture. The marking shall be a minimum of 3/4 in. size.

The ICC-ES PMG mark of conformity may be put on the product as an option.

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

<u>Description</u>	<u>Sizes</u>
1/4 Bend:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Long 1/4 Bends:	2"x12", 2"x18", 2"x24", 3"x12", 3"x18", 3"x24", 4"x12", 4"x18", 4"x24"
Long Low Hub 1/4 Bends:	4"x12", 4"x14", 4"x16", 4"x18", 4"x24"
1/4 Bend w/Low Heel Inlet:	3"x2", 4"x2", 4"x 3"
1/4 Bend w/High Heel Inlet:	3"x2", 4"x2", 4"x3"
Short Sweep Bends:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Long Sweep Bends:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Reducing Long Sweep Bends:	3"x2", 4"x3"
1/5 Bends:	2", 3", 4", 5", 6"
1/6 Bends:	2", 3", 4", 5", 6", 8", 10", 12", 15"
1/8 Bends:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Long 1/8 Bends:	2"x12", 2"x18", 2"x24", 3"x12", 3"x18", 3"x24", 4"x12", 4"x18", 4"x24"
1/16 Bends:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Wye Branches:	2", 3", 4", 5", 6", 8", 10", 12", 15", 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"x5", 10"x6", 10"x8", 12"x4", 12"x5", 12"x6", 12"x8", 12"x10", 15"x6", 15"x8", 15"x10", 15"x12"
Double Wye Branches:	2", 3", 4", 5", 6", 8", 10", 12", 15", 3"x2", 4"x2", 4"x3", 5"x2", 5"x3", 5"x4", 6"x2", 6"x3", 6"x4", 6"x5", 8"x4", 8"x6", 10"x4", 10"x6", 10"x8", 12"x6", 12"x8"
Horizontal Twin Tapped Tee:	(Taps can be 1-1/4" & 1-1/2" in addition to 2") 2", 3", 4"
Cleanout Tee w/Cleanout Screw Plug on Branch:	2"x1-1/2", 3"x2-1/2", 4"x3-1/2", 5"x4", 6"x4"
Vent Branch, Single:	2", 3", 4", 3"x2", 4"x2", 4"x3"
1/8 Bend Offset (2"):	2"x2", 2"x4", 2"x6", 2"x8", 2"x10", 2"x12", 2"x18"
1/8 Bend Offset (3"):	3"x2", 3"x4", 3"x6", 3"x8", 3"x10", 3"x12", 3"x14", 3"x18"

1/8 Bend Offset (4"):	4"x2", 4"x4", 4"x6", 4"x8", 4"x10", 4"x12", 4"x14", 4"x16", 4"x18"
Double Hub:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Long Double Hub:	2"x30", 3"x30", 4"x30"
Reducers:	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"x5", 10"x6", 10"x8", 12"x4", 12"x5", 12"x6", 12"x8", 12"x10", 15"x6", 15"x8", 15"x10", 15"x12"
Increasesers:	2"x3", 2"x4", 3"x4", 3"x5", 3"x6", 4"x5", 4"x6", 4"x8"
Long Increasesers, Spigot & Tapped:	2"x4"x24", 2"x4"x30", 3"x4"x24"
P Traps w/Cleanout:	2"x1-1/4", 3"x1-1/2", 4"x3"
P Traps:	2", 3", 4", 5", 6"
Deep Seal P Traps:	2", 3", 4"
Running Trap, Plain:	2"x2", 3"x3", 4"x4", 5"x5", 6"x6"
Running Trap w/Single Vent:	5"x4", 5"x5", 6"x4", 6"x6", 8"x4", 8"x6", 10"x6"
Running Trap w/Cleanout:	2"x2", 3"x3", 4"x4", 5"x5", 6"x6" [®]
Running Trap w/Single Vent and Cleanout:	2"x2", 3"x3", 4"x4"
Wye Branch Cleanout w/Screw Plug on Main:	2", 3", 4"
Wye Branch Cleanout w/Screw Plug on Branch:	2", 3", 4"
Wye Branch Inverted, Single:	2", 3", 4", 3"x2", 4"x2", 4"x3"
Combination Wye & 1/8 Bend, Single:	2", 3", 4", 5", 6", 8", 3"x2", 4"x2", 4"x3", 5"x2", 5"x3", 5"x4", 6"x2", 6"x3", 6"x4", 6"x5", 8"x2", 8"x4", 8"x5", 8"x6"
Combination Wye & 1/8 Bend, Double:	2", 3", 4", 5", 6", 3"x2", 4"x2", 4"x3", 5"x4", 6"x4"
Combination Wye & 1/8 Bend Cleanout with Screw Plug on Main:	2", 3", 4"
Wye Branch, Upright, Single:	2", 3", 4", 3"x2", 4"x2", 4"x3"
Sanitary Tees:	2", 3", 4", 5", 6", 8", 10", 12", 15", 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", 10"x4", 10"x6", 10"x8", 12"x6", 12"x8", 12"x10", 15"x6", 15"x8", 15"x10", 15"x12"
Sanitary Crosses:	3"x2", 4"x2", 5"x3", 6"x4", 8"x4", 8"x6"
Sanitary Crosses (Vent Only):	2", 3", 4", 5", 6", 8", 4"x3", 5"x4"
Sanitary Tee w/Cleanout Plug on Main:	2", 3", 4"

Sanitary Tee Tapped:	2"x2", 3"x2", 4"x2", (Taps can be 1-1/4", 5"x2", 6" x2" 1-1/2" in addition to 2")
Sanitary Crosses Tapped:	3"x2", 4"x2" (Taps can be 1-1/4", 1-1/2" in addition to 2")
Sanitary Crosses Tapped:	2"x2" (Vent Only) (Taps can be 1-1/4", 1-1/2" in addition to 2")
Tees:	2", 3", 4", 5", 6", 3"x2", 4"x2", 4"x3", 5"x2", 5"x3", 5"x4", 6"x2", 6"x3", 6"x4", 6"x5"
Crosses:	3"x2", 4"x2", 4"x3
Crosses (Vent Only):	2", 3", 4"
Tapped Tees:	(Taps Can Be 1-1/4" & 2", 3", 4", 5", 6", 4"x3", 1-1/2" in addition to 2") 5"x4", 6"x4"
Running Trap w/Double Vent and Cleanout:	2"x2", 3"x3", 4"x4"
Running Trap w/Double Vent:	2"x2", 3"x3", 4"x2", 4"x4", 5"x4", 6"x4", 6"x6", 8"x4", 8"x6", 10"x8", 12"x6", 12"x10", 15"x12"
Screw Plugs (Brass):	1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 5", 6"
Blind Plugs:	2", 3", 4", 5", 6", 8", 10", 12", 15" ®
Iron Body Ferrules w/Screw Plugs:	2", 3", 4", 5", 6", 8", 10", 12", 15"
Closet Bends (Laying Lengths Determined by Manufacturer):	3"x3", 3"x4", 4"x4"

Conditions of Listing:

1. Charlotte Pipe and Foundry Company 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 Charlotte N.C., under a quality control program with annual inspections by ICC-ES.