

TECHNICAL SPECIFICATIONS

CertainTeedCertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

47

SPECIFICATION NO.:

2 Section B

PAGE NO.:

5-1

SUPERSEDES:

February 18, 1977

DATE OF ISSUE:

MAR 5 1979

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings, and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A and BSection BConformance

All pipe manufactured under "Section B" of this specification will meet the requirements of the following external specifications:

- Federal Specification SS-P-331d
- ASTM C-428 (latest issue)

Classes 6000 and 7000 in 18" through 24" are not covered by the above specifications.

Pipe Lengths

Standard Lengths - 13 feet, $\pm 1.0"$.

Random Lengths

A maximum of 10 percent of the total footage of any one size and class for any one order may be furnished as random lengths at factory option. Random lengths may be from 7 feet to 12'6" in 6" increments.

Short Lengths

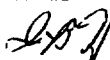
Short lengths are shipped only on customer request. When requested by the customer, the standard short length footage includes for any one order shall be as follows. Short lengths of pipe are MEO's (machined end only) and may be either $\frac{1}{2}$ length, 6'6" $\pm 1.0"$ (6'0" $\pm 1.0"$); $\frac{1}{4}$ length, 3'3" $\pm 1.0"$; $\frac{1}{8}$ length, 19.5" $\pm 0.5"$.

Standard Coupling

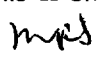
One coupling suitable for the particular size and class of pipe with which it is to be used, shall be attached to each standard and random length of pipe, and shipped as a prebelled unit. Other couplings for use with includes shall be shipped loose.

CTD015318

PREPARED BY:



APPROVED BY:



R & D

MFG.

SALES

I.E.

OTHERS

Physical RequirementsCrushing Strength

Each pipe, in accordance with these specifications, shall have sufficient strength, when subjected to a three (3) edge bearing crushing test, to support not less than the indicated load shown in the following table:

<u>Size, Inches</u>	<u>Class</u>	<u>Minimum Crushing Strength Pounds Per Foot</u>
8 through 16	1500	1500
8 through 24	2400	2400
8 through 24	3300	3300
10 through 24	4000	4000
10 through 24	5000	5000
18 through 24	6000	6000
18 through 24	7000	7000

- Couplings must also be capable of meeting the crushing strength requirements as specified for the appropriate size and class.
- The crushing strength test shall be conducted in accordance with Standard Method of Test ASTM C-500. The specimens shall be cut from one randomly selected pipe representing 300 lengths of the same size and class of pipe or less over a 24 hour period for 21" and below and up to 7 consecutive days for 24" size.

Flexural Proof Loads

Each 10' through 13' length of pipe in the 8" size shall be tested in flexure across a span of 9 or 12 feet. Each pipe so tested shall support without evidence of cracks or other stress induced defects, the applicable total load is shown in the following table:

Flexural Proof LoadsTotal Applied Load, Lbs. (12 Ft. Span)

<u>Nominal Pipe Size, Inches</u>	<u>Class 1500</u>	<u>Class 2400</u>	<u>Class 3300</u>
8	2025	2250	2925

Note: The above loads are 75% of the loads required for testing on a 9 foot span. Flexural proof loads are conducted in accordance with Standard Method of Test ASTM C-500 (latest issue).

TECHNICAL SPECIFICATIONS

 CertainTeed Corporation Pipe and Plastics Group	SPECIFICATIONS CLASSIFICATION: A/C Standard Product Specification													
	T.C.O. REF. NO.		SPECIFICATION NO:		PAGE NO.:									
	50		2 Section B		5-3									
	SUPERSEDES:				DATE OF ISSUE:									
September 28, 1979				MAY 28 1980										
DESCRIPTION: FLUID-TITE A/C Sewer Pipe, Couplings and Accessories Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 - Sections A & B														
<u>Out-of-Round</u> The inside diameter total out-of-round tolerance at the ends of each length of pipe of a distance equal to one-half of the coupling length shall be as shown on table below. <u>Out-of-Round Tolerances</u> <table style="margin: auto;"> <thead> <tr> <th style="text-align: left;"><u>Size, Inches</u></th> <th style="text-align: left;"><u>Allowable Variation, Inches</u></th> </tr> </thead> <tbody> <tr> <td>8 and 10, incl.</td> <td>1/8</td> </tr> <tr> <td>12 to 20, incl.</td> <td>3/16</td> </tr> <tr> <td>21 and 24</td> <td>1/4</td> </tr> </tbody> </table> <u>Joint Test</u> The purchaser by designation with his order may require a proof demonstration test, on at least one size pipe on the order, to assure that assembled pipes and couplings pass the following performance tests without leaking. Straight Alignment - A hydrostatic pressure test shall be made on an assembly of two sections of pipe, properly connected with a coupling in accordance with the joint design. An equivalent alternative may be a single pipe with a coupling on each end. The assembly shall be subjected to an internal hydrostatic pressure of 10 psi for 10 minutes and any visible leakage shall be considered a failure of the test requirement. Maximum Deflected Position - Upon completion of the test for pipe in straight alignment, the test sections shall be deflected 5 degrees for 8" inch thru 12 inch and 3 degrees for 14 inch and larger sizes (with one-half of the deflection being between each pipe and coupling) and shall be subjected to an internal hydrostatic pressure of 10 psi for 10 minutes. Any visible leakage shall be considered a failure of the test requirement. If the selected sample(s) fail, two additional samples shall be tested. Failure of either of these assembled units to meet either test requirement shall be cause for rejection of the entire quantity of pipe represented by the samples. <u>Straightness</u> CTD015320 Each length of pipe shall not vary in straightness by more than .05 inch/ft. of length when measured in accordance with ASTM C-500.							<u>Size, Inches</u>	<u>Allowable Variation, Inches</u>	8 and 10, incl.	1/8	12 to 20, incl.	3/16	21 and 24	1/4
<u>Size, Inches</u>	<u>Allowable Variation, Inches</u>													
8 and 10, incl.	1/8													
12 to 20, incl.	3/16													
21 and 24	1/4													
PREPARED BY:		APPROVED BY:		R & D	MFG.	SALES								
FJS		MKD		JAH	J.R.A.	I.E.								
				OTHERS										

DATE OF ISSUE
MAY 28 1980

SPECIFICATION NO:
2 Section B

PAGE NO.:
5-4

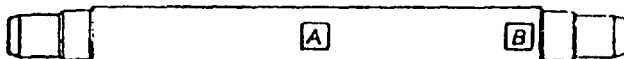
DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 - Sections A & B

Marking

Standard, Random and Short Lengths

Standard Coupling



General

Unless otherwise directed, the marking of all A/C Sewer items in Section B shall be in green ink.

At either end of the pipe, a "handling label" (see Sec. D of the General Standards Manual) shall be attached to the B.O.D. of all pipe 1/4-length and above.

Standard, Random, and Short Lengths

Area A At the exact center of the pipe, the following shall be stamped.

CERTAINT EED
SIZE - CLASS TYPE II
FLUID-TITE SEWER

The words CERTAINT EED are shown in block letters. Refer to I.E. Pipe stamp, Purchasing Spec. 557.

Area B Either to the right or left of Area A, the following information shall be stenciled in black ink on all standard lengths. (This information may appear on random and short lengths.)

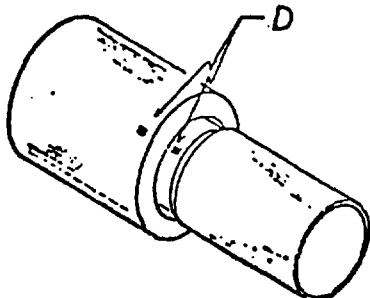
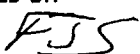
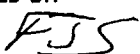
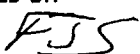
First line Month, day, year, plant, shift Example: 0719788A
Second line Pipe No. 139

Interpretation - Pipe No. 139 manufactured on July 19, 1978 at
Plant 58 on the A shift.

If the manufacturing information does not appear on random and short lengths, the date and plant No. shall be stenciled in black ink on the pipe.

CTD015321

TECHNICAL SPECIFICATIONS

 CertainTeed Corporation Pipe and Plastics Group	SPECIFICATIONS CLASSIFICATION:																					
	A/C Standard Product Specification																					
	T.C.O. REF. NO.	SPECIFICATION NO.			PAGE NO.:																	
	50	2 Section B			5-5																	
SUPERSEDES:				DATE OF ISSUE:																		
September 28, 1979				MAY 28 1980																		
DESCRIPTION: FLUID-TITE A/C Sewer Pipe, Couplings and Accessories Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 - Sections A & B																						
<u>Standard Coupling</u> <u>Area C</u> At the approximate center around the coupling, the following shall be shown. CERTAINTTEED SIZE - CLASS FLUID-TITE SEWER The words CERTAINTTEED are shown in block letters. Refer to I.E. Cplg. stamp, Purchasing Spec. 557. <u>Note:</u> 14" and 16" Couplings only shall have the plant number as part of the marking as shown to the right. CERTAINTTEED 14" - 3300 FLUID-TITE SEWER 58 <u>Fitting Markings</u> Marking of fittings is shown along with the fittings. All fittings are marked either 2400, Heavy, Extra Heavy or 6000/7000. They are broken down into classes (refer table below). 2400 which are for use with Classes 1500 and 2400. Heavy which are for use with Classes 1500, 2400 and 3300. Extra Heavy which are for use with Classes 4000 and 5000. 6000/7000 which are for use with Classes 6000 and 7000. <u>Note:</u> The higher classes may be used with the lower classes of pipe. <u>Pre-belled Unit</u>  <u>Area D</u> The plant number shall be stamped in black ink on the coupling B.O.D. and stamped on the pipe O.D. shoulder next to where the coupling is stamped. (Minimum length is 1 inch.) CTD015322																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; padding: 5px;"> PREPARED BY:  </td> <td style="width: 20%; padding: 5px;"> APPROVED BY:  </td> <td style="width: 10%; padding: 5px;">R & D</td> <td style="width: 10%; padding: 5px;">MFG.</td> <td style="width: 10%; padding: 5px;">SALES</td> <td style="width: 10%; padding: 5px;">I.E.</td> <td style="width: 10%; padding: 5px;">Q.C.</td> <td style="width: 10%; padding: 5px;">OTHERS</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center; padding: 5px;">ABA</td> <td style="text-align: center; padding: 5px;">J.R.A.</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							PREPARED BY: 	APPROVED BY: 	R & D	MFG.	SALES	I.E.	Q.C.	OTHERS			ABA	J.R.A.				
PREPARED BY: 	APPROVED BY: 	R & D	MFG.	SALES	I.E.	Q.C.	OTHERS															
		ABA	J.R.A.																			

DATE OF ISSUE:

MAY 28 1980

SPECIFICATION NO.:

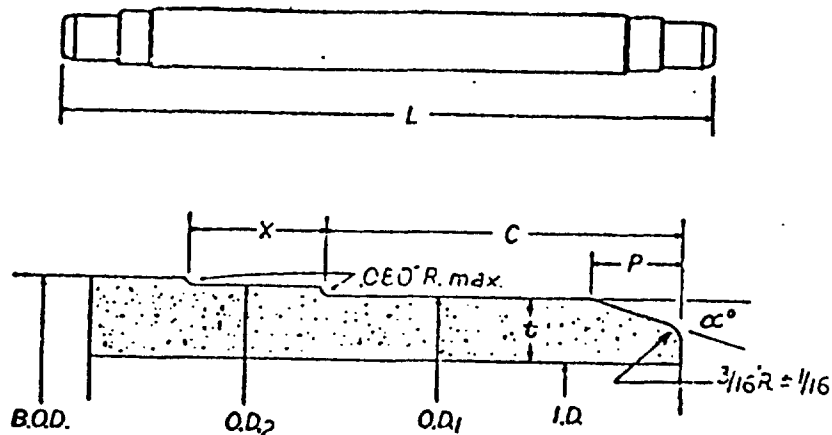
2 Section B

PAGE NO.:

5-6

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 - Sections A & B

Standard Pipe

Note: Break interior corner of pipe nose as stated on page 3-3 of this specification.

Standard, Random and Short LengthsDimensions

Pipe Size, Inches	Nom. I.D."	O.D., " Min.											
		O.D. ₁ "	O.D. ₂ "	X" +.06"	C" +.06"	t" Min.	Class 1500	Class 2400	Class 3300	Class 4000	Class 5000	Class 6000	Class 7000
8	8.00	8.80	8.96	1.15	2.44	.27	9.00	9.06	9.24				
10	10.00	10.89	11.05	1.15	2.81	.30	11.14	11.14	11.30	11.45	11.58		
12	12.00	12.99	13.15	1.15	2.81	.33	13.24	13.24	13.46	13.54	13.70		
14	14.00	15.07	15.26	1.15	3.19	.36	15.32	15.32	15.50	15.64	15.84		
15	15.00	16.11	16.30	1.15	3.19	.39	16.36	16.36	16.56	16.72	16.94		
16	16.00	17.15	17.34	1.15	3.19	.41	17.42	17.42	17.60	17.74	17.98		
18	18.00	19.23	19.48	1.15	3.81	.44		19.60	19.80	20.00	20.20	20.43	20.63
20	20.00	21.29	21.54	1.15	3.81	.48		21.66	21.88	22.10	22.32	22.55	22.77
21	21.00	22.37	22.62	1.15	3.81	.52		22.74	22.94	23.18	23.40	23.63	23.85
24	24.00	25.51	25.76	1.15	3.81	.56		25.88	26.12	26.36	26.60	26.79	27.03

Tolerance: O.D.₁" and O.D.₂" 8" through 16" +.02"
18" through 24" ±.03"

Pipe Size, Inches	OC° ±2°	P" ±.06"	Length of Pipe	L
8	16	.50	Standard Length	13' +0" -1"
10 and 12	16	.62	Random Length	7' to 12'6" +0", -1" (in increments of 6")
14, 15 & 16	18	.68		
18, 20, 21 & 24	20	.75		
			1/2 Standard (M.E.O.) 6'6" +0", -1" or 6' +0", -1"	
			1/4 Standard (M.E.O.) 3'3" +0", -1"	
			1/8 Standard (M.E.O.) 19.5" +.00", -.50"	

CTD015323

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

49

SPECIFICATION NO:

2 Section B

PAGE NO.:

5-7

SUPERSEDES:

June 22, 1979

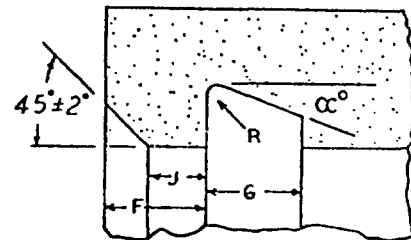
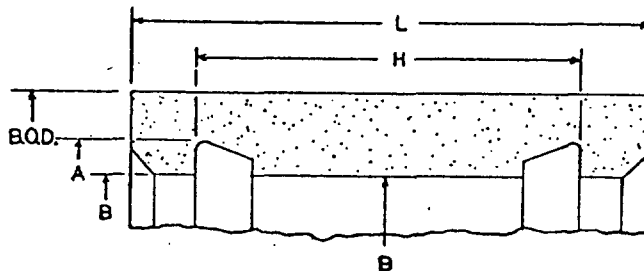
DATE OF ISSUE:

SEP 28 1979

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A & B

Standard Coupling



Dimensions

		B.O.D. " +.25" -.50"									
Coupling Size, In.	A"	B"	H" +.00" -.06"	L" +.25" -.00"	Class 1500	Class 2400	Class 3300	Class 4000	Class 5000	Class 6000	Class 7000
8	9.55	8.89	4.00	5.75	10.50	10.50	10.59				
10	11.64	11.00	4.75	6.50	12.75	12.75	12.75	13.00	13.00		
12	13.74	13.10	4.75	6.50	15.00	15.00	15.00	15.24	15.24		
14	16.07	15.19	5.57	7.25	17.15	17.15	17.15	17.48	17.48		
15	17.11	16.23	5.57	7.25	18.26	18.26	18.26	18.61	18.61		
16	18.15	17.27	5.57	7.25	19.31	19.31	19.31	19.68	19.68		
18	20.48	19.36	6.50	8.25		21.63	21.63	22.09	22.09	22.47	22.47
20	22.54	21.42	6.50	8.25		23.81	23.81	24.15	24.15	24.67	24.67
21	23.62	22.50	6.50	8.25		24.96	24.96	25.26	25.26	25.81	25.81
24	26.70	25.64	6.50	8.25		28.22	28.22	28.69	28.69	29.15	29.15

Tolerance: A and B - 8" through 16" $\pm .025"$
18" through 24" $\pm .040"$

Coupling Size, In.	F" Min.	G +.04" -.00"	J" +.03" -.00"	R" +.01"	$\alpha^\circ \pm 2^\circ$
8", 10", 12", 14", 15", & 16"	.75	.62	.50	.20	18
18", 20", 21" & 24"	.75	.78	.50	.20	18
	.75	1.00	.63	.25	12

CTD015324

PREPARED BY:

FJS

APPROVED BY:

msd

R & D

JRK

MFG.

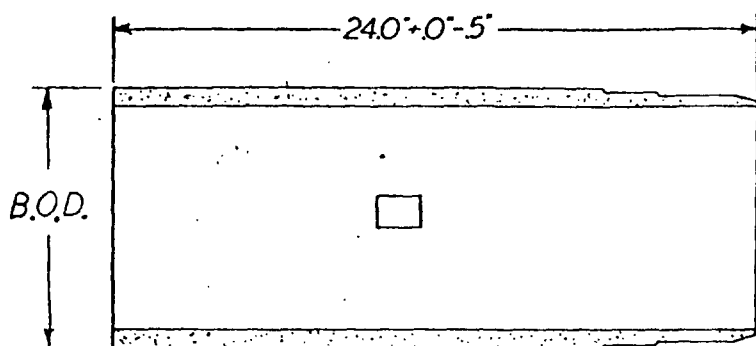
ADA

SALES

J.R.A.

I.E.

OTHERS



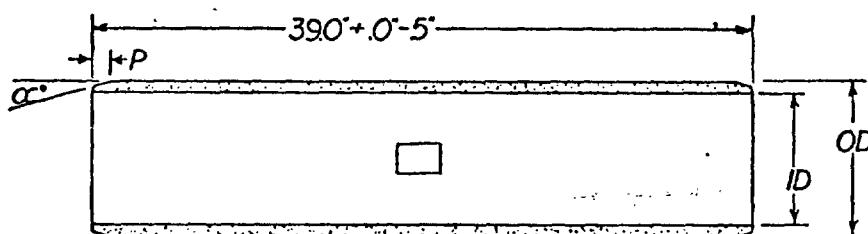
Marking Example:

CERTAIN-TEED
MANHOLE STUB
15" CLASS 2400 SEWER

Dimensions

- Note: 1. Refer to standard pipe for machined dimensions not shown.
2. Available in pipe sizes 6" through 24" and all classes comparable to standard pipe.
3. 6" refer to "Section A" of Std. Product Spec., $\phi 2$ for machined dimensions not shown.

	B.O.D." +.25" -.00"						
Pipe Size, Inches	Class 1500	Class 2400	Class 3300	Class 4000	Class 5000	Class 6000	Class 7000
6	6.91	7.04	7.22				
8	9.00	9.06	9.24				
10	11.14	11.14	11.30	11.45	11.58		
12	13.24	13.24	13.46	13.54	13.70		
14	15.32	15.32	15.50	15.64	15.84		
15	16.36	16.36	16.56	16.72	16.94		
16	17.42	17.42	17.60	17.74	17.98		
18		19.60	19.80	20.00	20.20	20.43	20.63
20		21.66	21.88	22.10	22.32	22.55	22.77
21		22.74	22.94	23.18	23.40	23.63	23.85
24		25.68	26.12	26.36	26.60	26.79	27.1

DROP MANHOLE SECTIONDimensions

Pipe Size, Inches	Nom. I.D.	O.D." $\pm .02$ "
6	5.80	6.66
8	7.80	8.80
10	9.55	10.89
12	11.45	12.99
14	13.60	15.07
15	14.45	16.11
16	15.50	17.15

Marking Example:

CERTAIN-TEED
DROP MANHOLE SECTION
8" SEWER
FOR VERTICAL USE ONLY

- Note: 1. This item for use in vertical position only.
2. Refer to standard pipe for bevel dimensions.
3. Refer to "Section A" of Standard Product Spec. No. 2 for 6" bevel dimensions.

CTD015325

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

50

SPECIFICATION NO:

2 Section B

PAGE NO.:

5-9

SUPERSEDES:

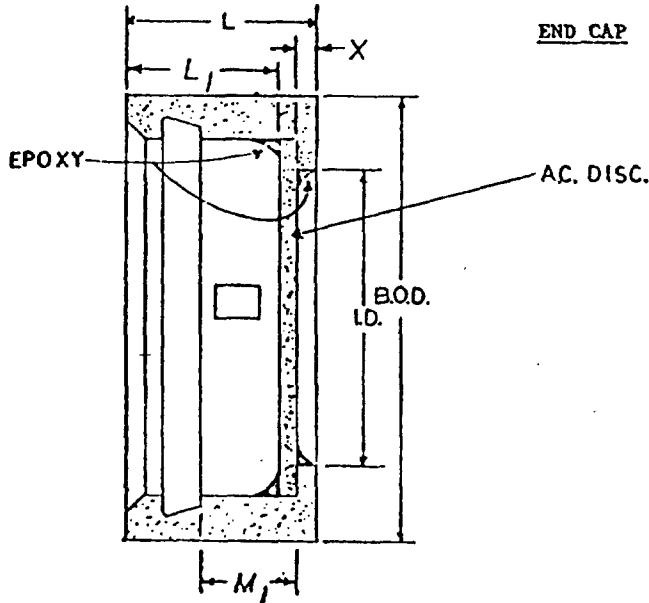
September 28, 1979

DATE OF ISSUE:

MAY 28 1980

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A & B



Marking Example:

CERTAINTTEED
FLUID-TITE SEWER
END CAP
10" 15/24/3000 S
HEAVY

Dimensions

Pipe Size Inches	I.D." Nom.	L" ±.13"	L ₁ " ±.13"	X" Min.	M ₁ " +.00" -.06"	B.O.D. +.25" -.00"			Class 6000/ 7000	A/C Circular Disc.	
						Class	Heavy	Extra Heavy		Thick	Diam.
						2400					
8	8.00	4.00	3.00	.50	1.88	10.50	10.59	---	---	.500	8.79
10	10.00	4.38	3.38	.50	2.26	12.75	12.75	13.00	---	.500	10.90
12	12.00	4.63	3.38	.63	2.38	15.00	15.00	15.24	---	.625	13.00
14	14.00	5.00	3.75	.63	2.63	17.15	17.15	17.48	---	.625	15.09
15	15.00	5.00	3.75	.63	2.63	18.26	18.26	18.61	---	.625	16.15
16	16.00	5.00	3.75	.63	2.63	19.31	19.31	19.68	---	.625	17.17
18	18.00	5.75	4.25	.75	3.00	21.63	21.63	22.09	22.47	.750	19.26
20	20.00	5.75	4.25	.75	3.00	23.81	23.81	24.15	24.67	.750	21.32
21	21.00	5.75	4.25	.75	3.00	24.96	24.96	25.26	25.81	.750	22.40
24	24.00	5.75	4.25	.75	3.00	28.22	28.22	28.69	29.15	.750	25.54

Notes: 1. Refer to Standard Coupling for machining dimensions not shown.

2. A/C Circular discs per Std. Purchasing Spec. #533.

CTD015326

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DATE OF ISSUE:

MAY 28 1980

SPECIFICATION NO:

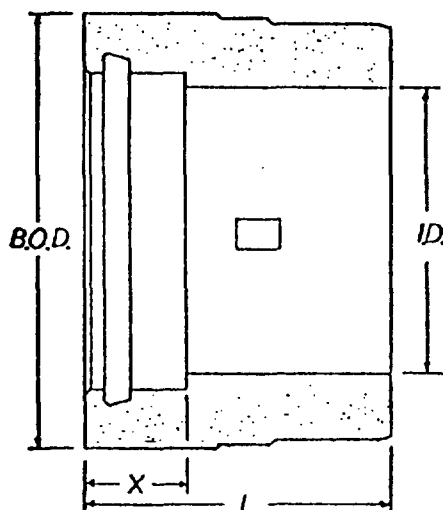
2 Section B

PAGE NO.:

5-10

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 - Sections A & B

Increaser, A/C to A/C

Marking Example:

CERTAINTED
FLUID-TITE SEWER
INCREASER
8" TO 10" SEWER
EXTRA HEAVY

Dimensions

Pipe Size Inches A/C to A/C	Nom. I.D."	X" ±.13"	L" +.25" -.00"	B.O.D." +.25 - .00"	
				Extra Heavy	6000/7000
6 to 8	6.00	2.38	6.25	9.24	---
8 to 10	8.00	2.88	6.75	11.58	---
10 to 12	10.00	3.25	7.25	13.70	---
12 to 14	12.00	3.25	7.75	15.84	---
12 to 15	12.00	3.25	7.75	16.94	---
14 to 15	14.00	3.63	8.25	17.48	---
14 to 16	14.00	3.63	8.25	17.98	---
15 to 16	15.00	3.63	8.25	18.61	---
15 to 18	15.00	3.63	8.75	20.20	20.63
16 to 18	16.00	3.63	8.75	20.20	20.63
18 to 20	18.00	4.13	9.25	22.32	22.77
18 to 21	18.00	4.13	9.25	23.40	23.85
20 to 21	20.00	4.13	9.25	24.15	24.67
20 to 24	---	---	---	*	**
21 to 24	21.00	4.13	9.25	26.60	**

* Use 20x21 and 21x24 combination or request PAD adaptor by NSPI.

** Available PAD adaptor only by NSPI.

- Notes: 1. Refer to Standard Pipe and Coupling pages for dimensions not shown.
2. Extra Heavy Class shall be used for Extra Heavy and lower classes.
3. Machining not required on B.O.D. or I.D.

CTD015327

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

48

SPECIFICATION NO:

2 Section B

PAGE NO.:

5-11

SUPERSEDES:

March 5, 1979

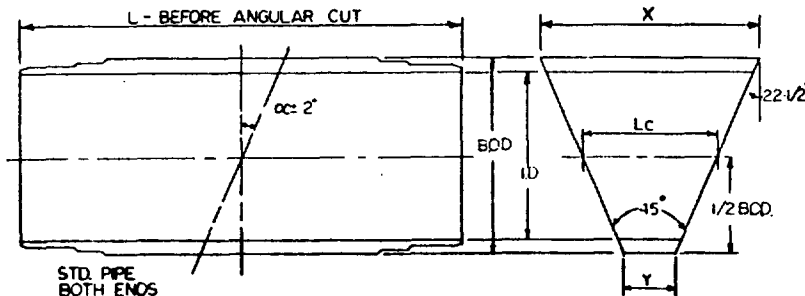
DATE OF ISSUE:

JUN 22 1979

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A and B

11 1/2°, 22 1/2°, 30°, 45°, and 90° Elbows



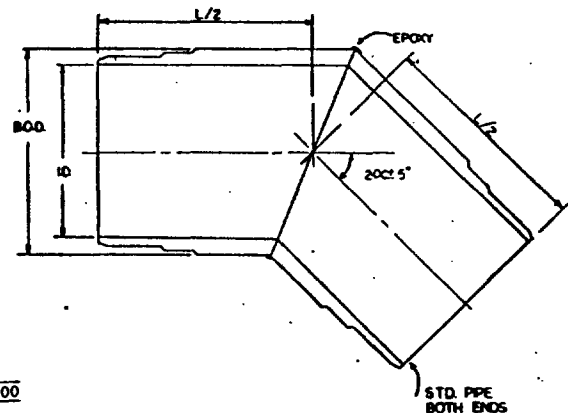
Dimensions

All Pipe Sizes - All Classes

		OC ± 2°	2 OC ± 5° Nom.
11 1/2°	Elbows	5-5/8°	11 1/2°
22 1/2°	Elbows	11 1/2°	22 1/2°
30°	Elbows	15°	30°
45°	Elbows	22 1/2°	45°
90°	Elbows	22 1/2°	45°

90° Elbows With Fillet

Pipe Size, Inches	Lc" Nom.	Y" +.25" - .00"	X" +.25" - .00"		
		All Classes	2400, Heavy	Extra Heavy	6000/7000
8	9.50	5.75	13.25	---	---
10	9.50	4.75	14.00	14.25	---
12	9.50	3.75	14.75	15.00	---
14	9.50	3.50	16.25	16.50	---
15	9.25	2.25	16.00	16.25	---
16	9.25	2.00	16.50	16.75	---
18	18.50	10.00	26.25	26.75	27.00
20	18.25	9.00	27.00	27.50	27.75
21	18.25	8.50	27.25	27.75	28.25
24	18.00	7.00	28.50	29.00	29.25



Marking Example:

CERTAINTEED
12" 90° EL
RVY. SEWER

Note: 1. Refer to standard pipe ends for machining dimensions not shown.

- Epoxy all adjoining surfaces. Remove excess on inside for smooth surface.
- For fabrication of 90° elbows, add fillet to center of 45° elbow.
- Epoxy fillet on all outside adjoining pieces.
- Tolerance on 90° elbows ± 5°.
- Certa-spacer required on one end.

Pipe Size, Inches	I.D. Nom.	L" +.00" - .50"	B.O.D. Min.		
	All Classes		2400	Heavy	6000/7000
8	8.00	19.50	9.06	9.24	---
10	10.00	19.50	11.14	11.30	11.58
12	12.00	19.50	13.24	13.46	13.70
14	14.00	19.50	15.32	15.50	15.84
15	15.00	19.50	16.36	16.56	16.94
16	16.00	19.50	17.42	17.60	17.98
18	18.00	39.00	19.60	19.80	20.20
20	20.00	39.00	21.66	21.88	22.32
21	21.00	39.00	22.74	22.94	23.40
24	24.00	39.00	25.88	26.12	26.60

CTD015328

PREPARED BY:

LBN

APPROVED BY:

mks

R & D

MFG.

SALES

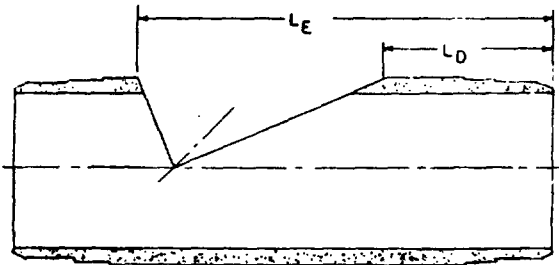
I.E.

OTHERS

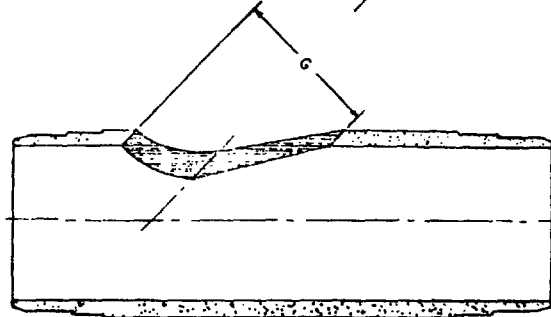
45° Wye Fitting

Page 5-12

Non-Reducing

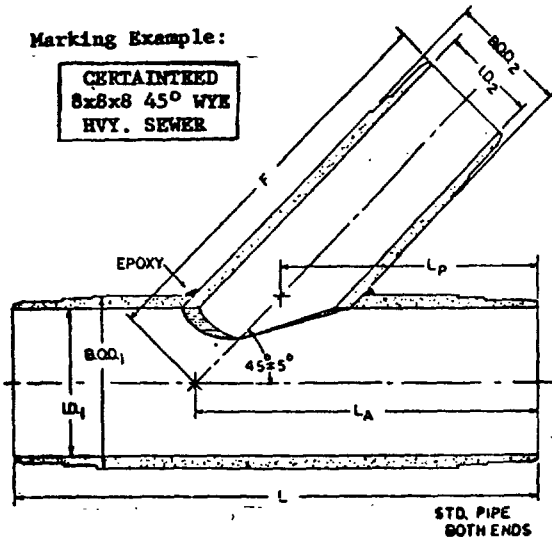


Reducing



Marking Example:

CERTAINTEK
8x8x8 45° WYE
HVV. SEWER



Main Pipe Size, Inches	Nom. I.D., 1" All Classes	B.O.D., 1" Min.			
		2400	Heavy	Extra Heavy	6000/7000
8 x 8	8.00	9.06	9.24	---	---
10 x 10	10.00	11.14	11.30	11.58	---
12 x 12	12.00	13.24	13.46	13.70	---
14 x 14	14.00	15.32	15.50	15.84	---
15 x 15	15.00	16.36	16.56	16.94	---
16 x 16	16.00	17.42	17.60	17.98	---
18 x 18	18.00	19.60	19.80	20.20	20.63
20 x 20	20.00	21.66	21.88	22.32	22.77
21 x 21	21.00	22.74	22.94	23.40	23.85
24 x 24	24.00	25.88	26.12	26.60	27.03

Branch Pipe Size, Inches	Nom. I.D., 2" All Classes	B.O.D., 2" Min.			
		2400	Heavy	Extra Heavy	6000/7000
4	4.00	4.87	4.87	---	---
5	5.00	5.98	5.98	---	---
6	6.00	7.04	7.04	---	---
8	8.00	9.06	9.24	---	---
10	10.00	11.14	11.30	11.58	---
12	12.00	13.24	13.46	13.70	---
14	14.00	15.32	15.50	15.84	---
15	15.00	16.36	16.56	16.94	---
16	16.00	17.42	17.60	17.98	---
18	18.00	19.60	19.80	20.20	20.63
20	20.00	21.66	21.88	22.32	22.77
21	21.00	22.74	22.94	23.40	23.85
24	24.00	25.88	26.12	26.60	27.03

1" +0.00" -3.00" 2400, Heavy, Extra Heavy and 6000/7000

Main Pipe Size, Inches	Branch Size, Inches															
	4	5	6	8	10	12	14	15	16	18	20	21	24			
8 x 8	39	39	39	39												
10 x 10	39	39	39	39	39											
12 x 12	39	39	39	39	39	39										
14 x 14	39	39	39	39	39	39	39									
15 x 15	39	39	39	39	39	39	39	39								
16 x 16	39	39	39	39	39	39	39	39	39							
18 x 18	39	39	39	39	39	39	39	39	39	39						
20 x 20	39	39	39	39	39	39	39	39	39	39	39					
21 x 21	39	39	39	39	39	39	39	39	39	39	39	39				
24 x 24	39	39	39	39	39	39	39	39	39	39	39	39	39			

Note:

- For main and branch machining dimensions, refer to standard pipe ends.
- Right end of main shown above is to be preballed (with carta-spacer) before shipment.

G" +.04" -.01"

Branch Size, In.	G" +.04" -.01"			
	2400	Heavy	Ex. Heavy	6000/7000
4	4.89	4.89	---	---
5	6.00	6.00	---	---
6	7.06	7.06	---	---
8	9.08	9.08 *	---	---
10	11.16	11.32	11.60	---
12	13.26	13.48	13.72	---
14	15.34	15.52	15.86	---
15	16.38	16.58	16.96	---
16	17.44	17.62	18.00	---
18	19.62	19.82	20.22	20.22 *
20	21.68	21.90	22.34	22.34 *
21	22.76	23.05	23.68	23.68 *

*Branch end may have to be machined to fit.

CTD015329

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

48

SPECIFICATION NO:

2 Section B

PAGE NO.:

5-13

SUPERSEDES:

March 5, 1979

DATE OF ISSUE:

JUN 22 1979

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A and B

Lp" +.00" -.25" All Classes														+ .00" Lc" -1.00" All Classes	
Main Size, Inches	Branch Size, Inches														
	4	5	6	8	10	12	14	15	16	18	20	21	24		
8 x 8	11.9	11.9	11.9	13.4										4	10.75
10 x 10	11.8	11.8	11.8	14.3	15.8									5	11.50
12 x 12	12.2	12.2	12.2	15.7	15.7	17.2								6	14.23
14 x 14	12.2	12.2	12.2	17.7	17.7	19.2								8	17.25
15 x 15	13.4	14.2	14.9	16.7	18.2	19.8	21.3	22.1						10	19.75
16 x 16	12.1	12.1	12.1	19.6	19.6	19.6	19.6	21.1						12	20.75
18 x 18	13.2	13.2	13.2	21.9	21.9	21.9	21.9	21.9	23.9					14	25.00
20 x 20	13.8	13.8	13.8	23.8	23.8	23.8	23.8	23.8	25.3					15	27.50
21 x 21	14.0	14.8	15.6	17.3	18.8	20.4	22.0	22.7	23.5	25.1	26.6	27.5		16	27.50
24 x 24	13.7	13.7	13.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	28.7	18	30.50
														20	34.00
														21	35.00

La" - All Classes														Lp" +.00" -.06"			
Main Size, Inches	Branch Size, Inches													2400	Heavy	Ex. Heavy	6000/7000
	4	5	6	8	10	12	14	15	16	18	20	21	24				
8 x 8	16.5	16.5	16.5	19.0										8	8.06	7.93	---
10 x 10	17.5	17.5	17.5	20.0	22.0									10	8.55	8.36	8.02
12 x 12	19.0	19.0	19.0	22.5	22.5	23.5								12	7.52	7.25	6.96
14 x 14	20.0	20.0	20.0	25.5	25.5	27.5								14	9.01	8.79	8.38
15 x 15	21.7	22.5	23.2	25.0	26.5	28.1	29.6	30.4						15	10.53	10.39	10.12
16 x 16	21.0	21.0	21.0	28.5	28.5	28.5	28.5	28.5	31.5					16	10.47	10.25	9.80
18 x 18	24.0	24.0	24.0	32.0	32.0	32.0	32.0	32.0	34.5					18	10.84	10.60	10.12
20 x 20	25.0	25.0	25.0	35.0	35.0	35.0	35.0	35.0	37.5					20	11.35	11.09	10.56
21 x 21	25.5	26.3	27.1	28.8	30.3	31.9	33.5	34.3	35.0	36.6	38.2	39.0		21	11.42	11.28	10.95
24 x 24	27.0	27.0	27.0	37.0	37.0	37.0	39.0	39.0	39.0	39.0	39.0	39.0	42.0	24	10.76	10.47	9.89

F" - All Classes														Lp" +.00" -.06"			
Main Size, Inches	Branch Size, Inches													2400	Heavy	Ex. Heavy	6000/7000
	4	5	6	8	10	12	14	15	16	18	20	21	24				
8 x 8	14.00	14.00	16.25	19.00										8	20.88	21.00	---
10 x 10	15.25	15.50	17.75	19.50	21.75									10	24.31	24.34	24.40
12 x 12	16.75	17.75	19.00	20.75	22.75	23.50								12	26.42	26.29	26.34
14 x 14	18.25	18.25	20.50	23.25	24.00	25.75	27.25							14	30.68	30.71	30.78
15 x 15	21.40	21.90	22.30	24.80	26.30	28.20	29.70	29.70						15	33.67	33.81	34.08
16 x 16	19.50	19.75	22.00	23.75	25.25	25.00	28.50	29.50	31.25					16	35.11	35.15	35.24
18 x 18	21.00	21.00	23.25	25.00	26.75	26.50	29.75	29.75	31.25	34.25				18	38.56	38.60	38.69
20 x 20	22.25	22.50	24.75	26.50	28.25	27.75	31.25	31.25	32.75	35.25	37.25			20	41.99	42.03	42.13
21 x 21	25.70	26.10	26.60	29.00	30.50	32.50	33.90	34.20	35.10	36.80	37.80	38.10		21	43.58	43.72	44.05
24 x 24	25.25	25.50	27.50	29.50	31.00	30.75	34.00	34.00	35.50	37.50	39.75	39.00	41.75	24	46.71	47.41	47.51

Lc" ± .25"				Lp" ± .25			
2400	Heavy	Ex. Heavy	6000/7000	2400	Heavy	Ex. Heavy	6000/7000
8	17.06	17.06	---	8	7.85	7.73	---
10	19.42	19.42	19.36	10	8.30	8.18	7.77
12	20.73	20.73	20.76	12	7.52	7.40	6.99
14	24.07	24.07	24.04	14	8.76	8.61	8.15
15	26.20	26.20	26.20	15	9.84	9.64	9.26
16	28.63	28.63	27.60	16	10.22	10.10	9.64
18	30.15	30.15	30.05	18	10.59	10.35	9.87
20	32.69	32.69	32.65	20	11.10	10.84	10.31
21	33.40	33.40	33.40	21	10.66	10.46	10.00
24	36.31	36.31	36.25	24	10.51	10.22	9.64

CTD015330

CTD015330

PREPARED BY:

ABN

APPROVED BY:

mds

R & D

MFG.

SALES

I.E.

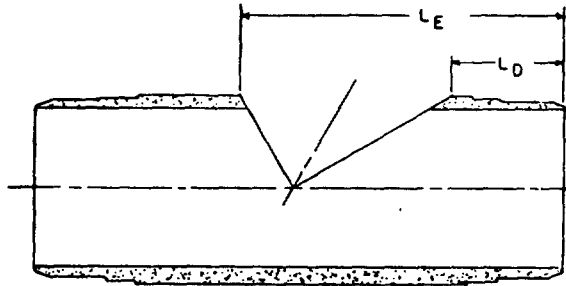
OTHERS

mds *pp*

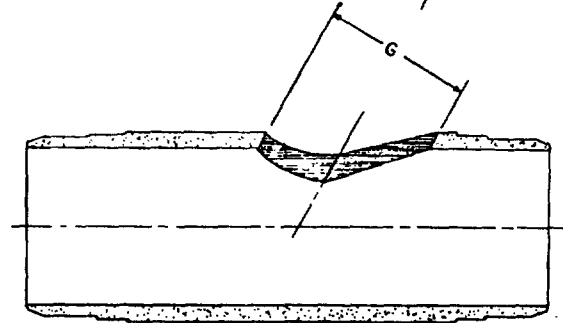
60° Wye Fitting

Page 5-14

Non-Reducing

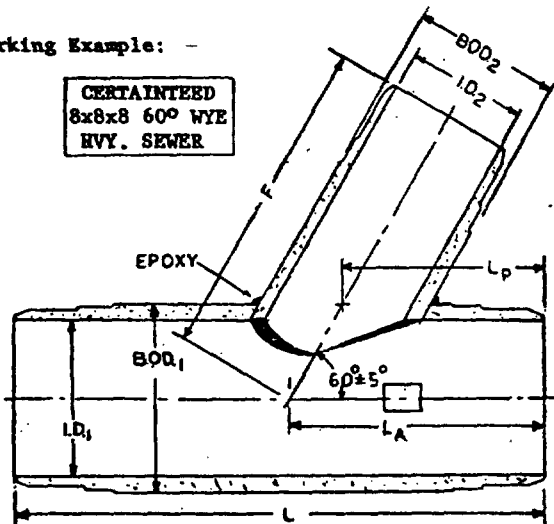


Reducing



Marking Example: -

**CERTAINTED
8x8x8 60° WYE
HVV. SEWER**



Main Pipe Size, Inches	Nom. I.D. 1" All Classes	B.O.D. 1" Min.			
		2400	Heavy	Extra Heavy	6000/7000
8 x 8	8.00	9.06	9.24	---	---
10 x 10	10.00	11.14	11.30	11.58	---
12 x 12	12.00	13.24	13.46	13.70	---
14 x 14	14.00	15.32	15.50	15.84	---
15 x 15	15.00	16.36	16.56	16.94	---
16 x 16	16.00	17.42	17.60	17.98	---
18 x 18	18.00	19.60	19.80	20.20	20.63
20 x 20	20.00	21.66	21.88	22.32	22.77
21 x 21	21.00	22.74	22.94	23.40	23.85
24 x 24	24.00	25.88	26.12	26.60	27.03

Branch Pipe Size, Inches	Nom. I.D. 2" All Classes	B.O.D. 2" Min.			
		2400	Heavy	Extra Heavy	6000/7000
4	4.00	4.87	4.87	---	---
5	5.00	5.98	5.98	---	---
6	6.00	7.04	7.04	---	---
8	8.00	9.06	9.24	---	---
10	10.00	11.14	11.30	11.58	---
12	12.00	13.24	13.46	13.70	---
14	14.00	15.32	15.50	15.84	---
15	15.00	16.36	16.56	16.94	---
16	16.00	17.42	17.60	17.98	---
18	18.00	19.60	19.80	20.20	20.63
20	20.00	21.66	21.88	22.32	22.77
21	21.00	22.74	22.94	23.40	23.85
24	24.00	25.88	26.12	26.60	27.03

L" +0.00" -3.00"

2400, Heavy, Extra Heavy and 6000/7000

Main Pipe Size, Inches	Branch Size, Inches															
	4	5	6	8	10	12	14	15	16	18	20	21	24			
8 x 8	39	39	39	39												
10 x 10	39	39	39	39	39											
12 x 12	39	39	39	39	39	39										
14 x 14	39	39	39	39	39	39	39									
15 x 15	39	39	39	39	39	39	39	39								
16 x 16	39	39	39	39	39	39	39	39	39							
18 x 18	39	39	39	39	39	39	52	52	52	52						
20 x 20	39	39	39	39	39	39	52	52	52	52	52					
21 x 21	39	39	39	39	39	39	52	52	52	52	52	52				
24 x 24	39	39	39	39	39	39	52	52	52	52	52	52	78			

Note:

- For main and branch machining dimensions, refer to standard pipe ends.
- Right end of main shown above is to be preballed (with certa-spacer) before shipment.

G" +.04" -.01"

Branch Size, In.	G" +.04" -.01"			
	2400	Heavy	Ex. Heavy	6000/7000
4	4.89	4.89	---	---
5	6.00	6.00	---	---
6	7.06	7.06	---	---
8	9.08	9.08 *	---	---
10	11.16	11.32	11.60	---
12	13.26	13.48	13.72	---
14	15.34	15.52	15.86	---
15	16.38	16.58	16.96	---
16	17.44	17.62	18.00	---
18	19.62	19.82	20.22	20.22 *
20	21.68	21.90	22.34	22.34 *
21	22.76	23.05	23.60	23.60 *

*Branch end may have to be machined to fit.

CTD015331

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

48

SPECIFICATION NO:

2 Section B

PAGE NO.:

5-15

SUPERSEDES:

March 5, 1979

DATE OF ISSUE:

JUN 22 1979

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A and B

Main Size, Inches	Lp" +.00" -.25" All Classes Branch Size, Inches													Lc" +.00" -.1.00" All Classes	
	4	5	6	8	10	12	14	15	16	18	20	21	24	4	9.75
8 x 8	9.9	9.9	9.9	11.4										5	9.75
10 x 10	10.2	10.2	10.2	11.7	13.2									6	9.75
12 x 12	10.2	10.2	10.2	13.1	13.1	14.6								8	11.75
14 x 14	10.5	10.5	10.5	14.5	14.5	14.5	16.0							10	12.50
15 x 15	11.4	12.1	12.7	14.1	15.4	16.7	17.9	18.6						12	14.75
16 x 16	10.5	10.5	10.5	16.4	16.4	16.4	16.4	17.4						14	16.75
18 x 18	11.2	11.2	11.2	18.2	18.2	18.2	18.2	18.2	19.7					15	19.75
20 x 20	11.2	11.2	11.2	19.6	19.6	19.6	19.6	19.6	21.1	21.1				16	18.75
21 x 21	12.0	12.6	13.3	14.7	15.9	17.2	18.5	19.1	19.7	21.1	22.3	23.0		18	20.25
24 x 24	11.3	11.3	11.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	23.8	20	21.00
														21	24.50

Main Size, Inches	Lp" - All Classes Branch Size, Inches													Lp" + .00" -.06"			
	4	5	6	8	10	12	14	15	16	18	20	21	24	2400	Heavy	Ex. Heavy	6000/7000
8 x 8	12.5	12.5	12.5	14.0										8	6.15	6.07	---
10 x 10	13.5	13.5	13.5	15.0	16.5									10	6.85	6.71	6.47
12 x 12	14.0	14.0	14.0	17.0	17.0	18.5								12	7.03	6.84	6.64
14 x 14	15.0	15.0	15.0	19.0	19.0	20.5	20.5							14	7.23	7.08	6.78
15 x 15	16.2	16.9	17.5	18.9	20.1	21.4	22.7	23.3						15	9.15	9.04	8.82
16 x 16	15.5	15.5	15.5	21.5	21.5	21.5	21.5	22.5	22.5					16	7.41	7.26	6.93
18 x 18	17.0	17.0	17.0	24.0	24.0	24.0	24.0	24.0	25.5	25.5				18	8.53	8.35	8.01
20 x 20	17.5	17.5	17.5	26.0	26.0	26.0	26.0	26.0	27.5	27.5	27.5			20	8.74	8.55	8.17
21 x 21	18.6	19.3	19.9	21.3	22.6	23.9	25.1	25.8	26.4	27.7	29.0	29.6		21	9.87	9.76	9.49
24 x 24	19.0	19.0	19.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	31.0		24	8.59	8.38	7.96

Main Size, Inches	F" - All Classes Branch Size, Inches													Lp" +.00" -.06"			
	4	5	6	8	10	12	14	15	16	18	20	21	24	2400	Heavy	Ex. Heavy	6000/7000
8 x 8	13.00	12.75	12.25	14.00										8	15.63	16.73	---
10 x 10	14.00	12.75	13.50	14.75	16.25									10	19.72	19.76	19.84
12 x 12	15.25	15.00	14.75	18.00	16.25	18.25								12	22.32	22.39	22.45
14 x 14	16.50	16.00	15.75	17.25	17.25	19.00	20.25							14	24.92	24.97	25.07
15 x 15	17.30	17.70	18.70	19.80	20.70	22.10	23.30	23.30						15	28.05	28.16	28.38
16 x 16	17.50	17.25	17.00	18.25	18.50	20.00	21.50	22.00	23.25					16	27.53	27.58	27.69
18 x 18	18.75	18.50	18.00	19.50	19.50	21.25	22.50	23.00	24.00	25.75				18	31.16	31.24	31.35
20 x 20	20.00	19.50	19.25	20.50	20.75	22.25	23.75	24.25	25.25	26.00	27.50			20	33.75	33.82	33.94
21 x 21	20.70	21.10	21.60	23.20	24.10	25.50	26.70	27.10	27.60	28.90	29.30	29.60		21	36.13	36.24	36.51
24 x 24	22.25	22.00	21.50	23.00	23.00	24.75	26.00	26.50	27.50	28.50	28.50	27.50	31.00	24	38.47	38.54	38.68

CTD015332

Pipe Size, In.	Lc" ± .25"			
	2400	Heavy	Extra Heavy	6000/7000
8	11.34	11.30	---	---
10	13.04	13.00	12.91	---
12	14.43	14.40	14.30	---
14	15.83	15.80	15.69	---
15	18.60	18.60	18.60	---
16	18.22	18.19	18.09	---
18	19.59	19.55	19.42	19.42
20	21.25	21.19	21.06	21.06
21	23.00	23.00	23.00	23.00
24	23.53	23.46	23.32	23.32

Pipe Size, In.	Lp" ± .25"			
	2400	Heavy	Extra Heavy	6000/7000
8	6.00	5.92	---	---
10	6.60	6.52	6.22	---
12	6.78	6.73	6.40	---
14	6.98	6.88	6.55	---
15	9.15	9.04	8.82	---
16	8.17	8.08	7.75	---
18	8.28	8.10	7.76	7.51
20	8.74	8.55	8.17	7.91
21	9.87	9.76	9.49	9.23
24	8.59	8.38	7.97	7.71

PREPARED BY:

LBX

APPROVED BY:

mrs

R & D

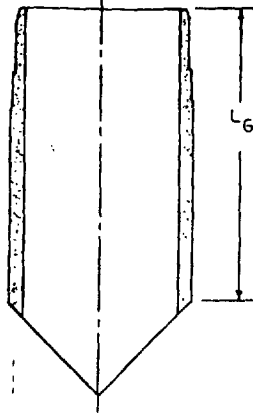
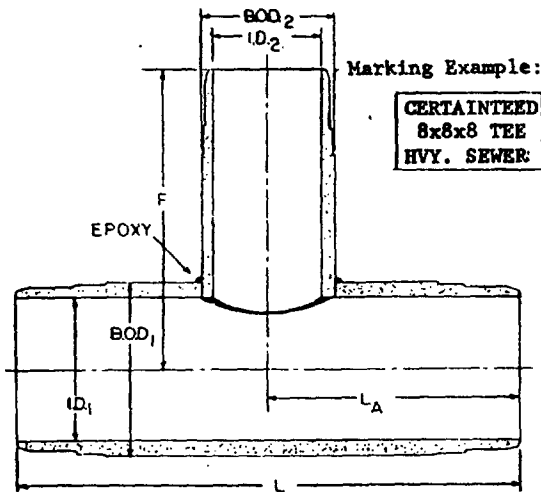
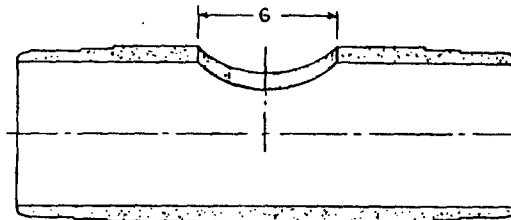
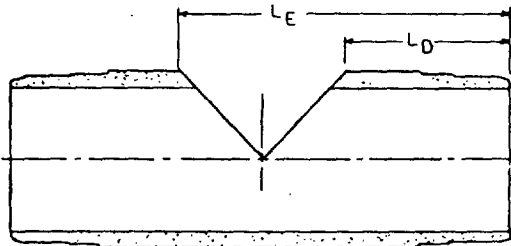
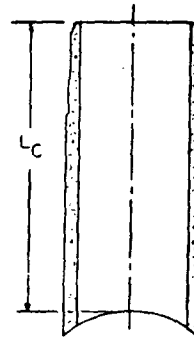
MFG.

SALES

I.E.

OTHERS

PPC

Tee Fitting**Non-Reducing****Reducing**

Marking Example:

CERTAINTEE
8x8x8 TEE
HVY. SEWER

Main Pipe Size, Inches	Nom. I.D., 1" All Classes	B.O.D., 1" Min.			
		2400	Heavy	Extra Heavy	6000/7000
8 x 8	8.00	9.06	9.24	---	---
10 x 10	10.00	11.14	11.30	11.58	---
12 x 12	12.00	13.24	13.46	13.70	---
14 x 14	14.00	15.32	15.50	15.84	---
15 x 15	15.00	16.36	16.56	16.94	---
16 x 16	16.00	17.42	17.60	17.98	---
18 x 18	18.00	19.60	19.80	20.20	20.63
20 x 20	20.00	21.66	21.88	22.32	22.77
21 x 21	21.00	22.74	22.94	23.40	23.85
24 x 24	24.00	25.88	26.12	26.60	27.03

Branch Pipe Size, Inches	Nom. I.D., 2" All Classes	B.O.D., 2" Min.			
		2400	Heavy	Extra Heavy	6000/7000
4	4.00	4.87	4.87	---	---
5	5.00	5.98	5.98	---	---
6	6.00	7.04	7.04	---	---
8	8.00	9.06	9.24	---	---
10	10.00	11.14	11.30	11.58	---
12	12.00	13.24	13.46	13.70	---
14	14.00	15.32	15.50	15.84	---
15	15.00	16.36	16.56	16.94	---
16	16.00	17.42	17.60	17.98	---
18	18.00	19.60	19.80	20.20	20.63
20	20.00	21.66	21.88	22.32	22.77
21	21.00	22.74	22.94	23.40	23.85
24	24.00	25.88	26.12	26.60	27.03

1" +0.00" -3.00" 2400, Heavy, Extra Heavy and 6000/7000

Main Pipe Size, Inches	Branch Size, Inches															
	4	5	6	8	10	12	14	15	16	18	20	21	24			
8 x 8	39	39	39	39												
10 x 10	39	39	39	39	39											
12 x 12	39	39	39	39	39	39										
14 x 14	39	39	39	39	39	39	39									
15 x 15	39	39	39	39	39	39	39	39								
16 x 16	39	39	39	39	39	39	39	39	39							
18 x 18	39	39	39	39	39	39	39	39	39	39						
20 x 20	39	39	39	39	39	39	39	39	39	39	39					
21 x 21	39	39	39	39	39	39	39	39	39	39	39	39				
24 x 24	39	39	39	39	39	39	39	39	39	39	39	39	39			

Note:

- For main and branch machining dimensions, refer to standard pipe ends.
- Right end of main shown above is to be preballed (with carta-spacer) before shipment.

G" +.04" -.01"

Branch Size, In.	G" +.04" -.01"			
	2400	Heavy	Ex. Heavy	6000/7000
4	4.89	4.89	---	---
5	6.00	6.00	---	---
6	7.06	7.06	---	---
8	9.08	9.08*	---	---
10	11.16	11.32	11.60	---
12	13.26	13.48	13.72	---
14	15.34	15.52	15.86	---
15	16.38	16.58	16.96	---
16	17.44	17.62	18.00	---
18	19.62	19.82	20.22	20.22 *
20	21.68	21.90	22.34	22.34 *
21	22.76	23.05	23.68	23.68 *

*Branch end may have to be machined to fit.

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

48

SPECIFICATION NO:

2 Section B

PAGE NO.:

5-17

SUPERSEDES:

March 5, 1979

DATE OF ISSUE:

JUN 22 1979

DESCRIPTION:

FLUID-TITE A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A and B

L_C +.000" -0.500" - All Classes

Pipe Size, Inches	Branch Size, Inches											
	4	5	6	8	10	12	14	15	16	18	20	21
8 x 8	4.75	4.75	6.25									
10 x 10	5.00	5.00	6.50	6.50								
12 x 12	5.00	5.00	6.50	6.50	6.75							
14 x 14	5.00	5.00	6.50	6.50	7.00	7.00						
15 x 15	7.00	7.00	7.00	8.10	8.10	8.60	9.10					
16 x 16	5.00	5.00	6.50	6.50	7.00	7.00	7.25	7.00				
18 x 18	5.25	5.25	6.75	6.75	7.25	7.25	7.50	7.25	7.50			
20 x 20	5.25	5.25	6.75	6.75	7.25	7.25	7.50	7.50	7.50	8.25		
21 x 21	7.40	7.40	7.40	8.50	8.50	9.00	9.50	9.50	9.50	10.00	10.00	
24 x 24	5.50	5.50	6.75	7.00	7.50	7.50	7.50	7.50	7.50	8.25	8.25	8.25

F" - All Classes

Main Size, Inches	Branch Size, Inches												
	4	5	6	8	10	12	14	15	16	18	20	21	24
8 x 8	8.75	8.75	10.25	10.25									
10 x 10	10.00	10.00	11.50	11.50	11.75								
12 x 12	11.00	11.00	12.50	12.50	12.75	12.75							
14 x 14	12.00	12.00	13.50	13.50	14.00	14.00	14.25						
15 x 15	14.50	14.50	14.50	15.60	15.60	16.10	16.60	16.60					
16 x 16	13.00	13.00	14.50	14.50	15.00	15.00	15.25	15.00	15.25				
18 x 18	14.25	14.25	15.75	15.75	16.25	16.25	16.50	16.25	16.50	17.25			
20 x 20	15.25	15.25	16.75	16.75	17.25	17.25	17.50	17.50	17.50	18.25	18.25		
21 x 21	17.90	17.90	17.90	19.00	19.00	19.50	20.00	20.00	20.00	20.50	20.50	20.50	
24 x 24	17.50	17.50	18.75	19.00	19.50	19.50	19.50	19.50	19.50	20.25	20.25	20.25	20.25

L_C ± .25" - All Classes

Pipe Size, In.	through	Pipe Size, In.	through	Pipe Size, In.	through	Pipe Size, In.	through	Pipe Size, In.	through	Pipe Size, In.	through	Pipe Size, In.	through
8 x 8 x 4	through	8 x 8 x 8	11.0	10 x 10 x 4	through	10 x 10 x 10	12.5	12 x 12 x 4	through	12 x 12 x 12	13.5	14 x 14 x 4	through
14 x 14 x 4	through	14 x 14 x 14	14.5	15 x 15 x 4	through	15 x 15 x 15	16.6	16 x 16 x 4	through	16 x 16 x 16	16.5	18 x 18 x 4	through
18 x 18 x 4	through	18 x 18 x 18	18.5	20 x 20 x 4	through	20 x 20 x 12	13.0	20 x 20 x 14	through	20 x 20 x 20	19.5	21 x 21 x 4	through
21 x 21 x 4	through	21 x 21 x 12	15.5	21 x 21 x 14	through	21 x 21 x 20	19.9	21 x 21 x 21	20.5	24 x 24 x 4	through	24 x 24 x 12	13.0
24 x 24 x 14	through	24 x 24 x 21	19.5	24 x 24 x 24	21.5								

L_C ± .25"

Pipe Size, In.	2400	Heavy	Extra Heavy	6000/ 7000
8	5.63	5.72	---	---
10	6.18	6.13	3.96	---
12	6.13	6.08	5.91	---
14	6.59	6.53	6.34	---
15	8.40	8.40	8.40	---
16	6.54	6.49	6.30	---
18	7.45	7.35	7.15	6.94
20	7.42	7.31	7.09	6.87
21	9.13	9.03	8.80	8.58
24	7.31	7.19	6.95	6.74

L_P + .000" -.06"

Pipe Size, In.	2400	Heavy	Extra Heavy	6000/ 7000
8	6.47	6.38	---	---
10	6.93	6.85	6.71	---
12	6.88	6.77	6.65	---
14	6.84	6.75	6.58	---
15	8.42	8.32	8.13	---
16	7.79	7.70	7.51	---
18	8.70	8.60	8.40	8.19
20	8.67	8.56	8.34	8.12
21	9.13	9.03	8.80	8.58
24	8.54	8.44	8.20	7.99

L_P +.000" -.06"

Pipe Size, In.	2400	Heavy	Extra Heavy	6000/ 7000
8	15.53	15.53	---	---
10	18.07	18.13	18.29	---
12	20.12	20.23	20.35	---
14	22.16	22.25	22.42	---
15	24.78	24.88	25.07	---
16	25.21	25.30	25.49	---
18	28.30	28.40	28.60	28.82
20	30.33	30.44	30.64	30.89
21	31.87	31.97	32.20	32.43
24	34.44	34.56	34.80	35.08

PREPARED BY:

LBH

APPROVED BY:

mrs

R & D

MFG.

SALES

I.E.

OTHERS

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CTD015335

TECHNICAL SPECIFICATIONS

CertainTeed

CertainTeed Corporation
Pipe and Plastics Group

SPECIFICATIONS CLASSIFICATION:

A/C Standard Product Specification

T.C.O. REF. NO.

49

SPECIFICATION NO:

2 Addendum

PAGE NO.:

A-1

SUPERSEDES:

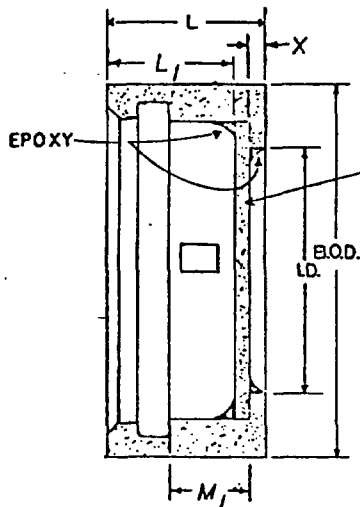
DATE OF ISSUE:

SEP 28 1979

DESCRIPTION:

A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A and B

Common Groove End Cap



Marking Example:

CERTAINTEED
END CAP
15" 15/24/3300 S
HVY.

15" and 21" Common Groove End Caps
shall be stamped or stencilled on
the B.O.D. "CG ONLY".

Given below are the dimensions to be used when making End Caps which require
old design (CG) coupling machining for 15" and 21" sizes.

Dimensions

Pipe Size, Inches	I.D." Nom.	L ±.13"	L1" ±.13"	X" Min.	M1" +.00" -.06"	B.O.D. +.25" -.00"				A/C Circular Discs	
						Class 2400	Heavy	Extra Heavy	Class 6000/ 7000	Thick	Dia.
15	15.00	5.83	4.58	.63	3.08	18.26	18.26	18.61	---	.625	16.15
21	21.00	6.58	5.08	.75	3.71	24.96	24.96	25.26	25.81	.750	22.40

- Notes:
1. Refer to page 5-7A for coupling machined dimensions not shown here.
 2. A/C Circular Discs per Standard Purchasing Spec. #533.

CTD015336

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OTHERS

J.M.

ABH

J.R.A.

SEP 28 1979

SPECIFICATION NO:

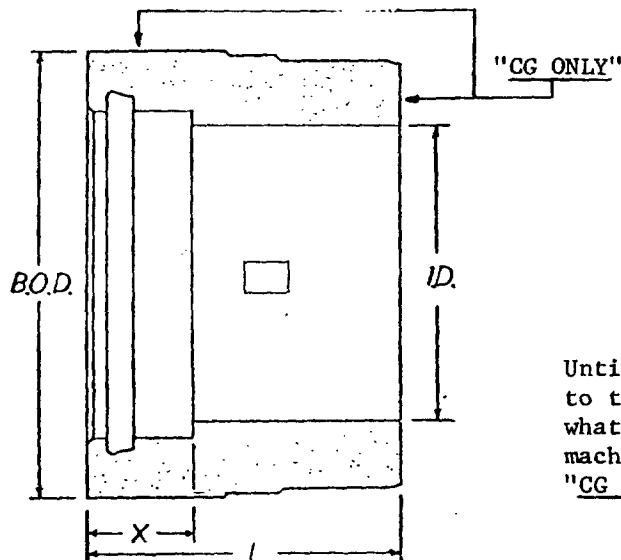
2 Addendum

PAGE NO.:

A-2

A/C Sewer Pipe, Couplings and Accessories
Classes 1500, 2400, 3300, 4000, 5000, 6000 and 7000 Sections A & B

Increasesers A/C to A/C



Marking Example:

CERTAINTED
INCREASER
14 to 15 SEWER
EXTRA HEAVY

Until the transition from the old design (CG) to the new design (FT) in 15" and 21" sizes, whatever side of the increaser that has CG machining, shall be stamped or stencilled "CG ONLY".

Dimensions

Pipe Size Inches A/C to A/C	Nom. I.D."	X" +.13"	L" +.25" -.00"	B.O.D." +.25 -.00"	
				Extra Heavy	6000/7000
12 to 15	12.00	4.00	8.50	16.94	---
14 to 15	14.00	4.55	8.75	17.48	---
15 to 16	15.00	4.55	8.75	18.61	---
15 to 18	15.00	4.55	9.50	20.20	20.63
18 to 21	18.00	5.05	10.25	23.40	23.85
20 to 21	20.00	5.05	10.25	24.15	24.67
21 to 24	21.00	5.05	10.50	26.60	**

**Available as a PAD Adaptor only by NSPI.

- Notes:
1. Refer to pages 5-6A (pipe) and 5-7A (coupling) for 15" and 21" CG dimensions not shown and standard pipe and coupling pages for all others.
 2. Extra Heavy Class shall be used for Extra Heavy and Lower Classes.
 3. Machining not required on B.O.D. or I.D.

CTD015337