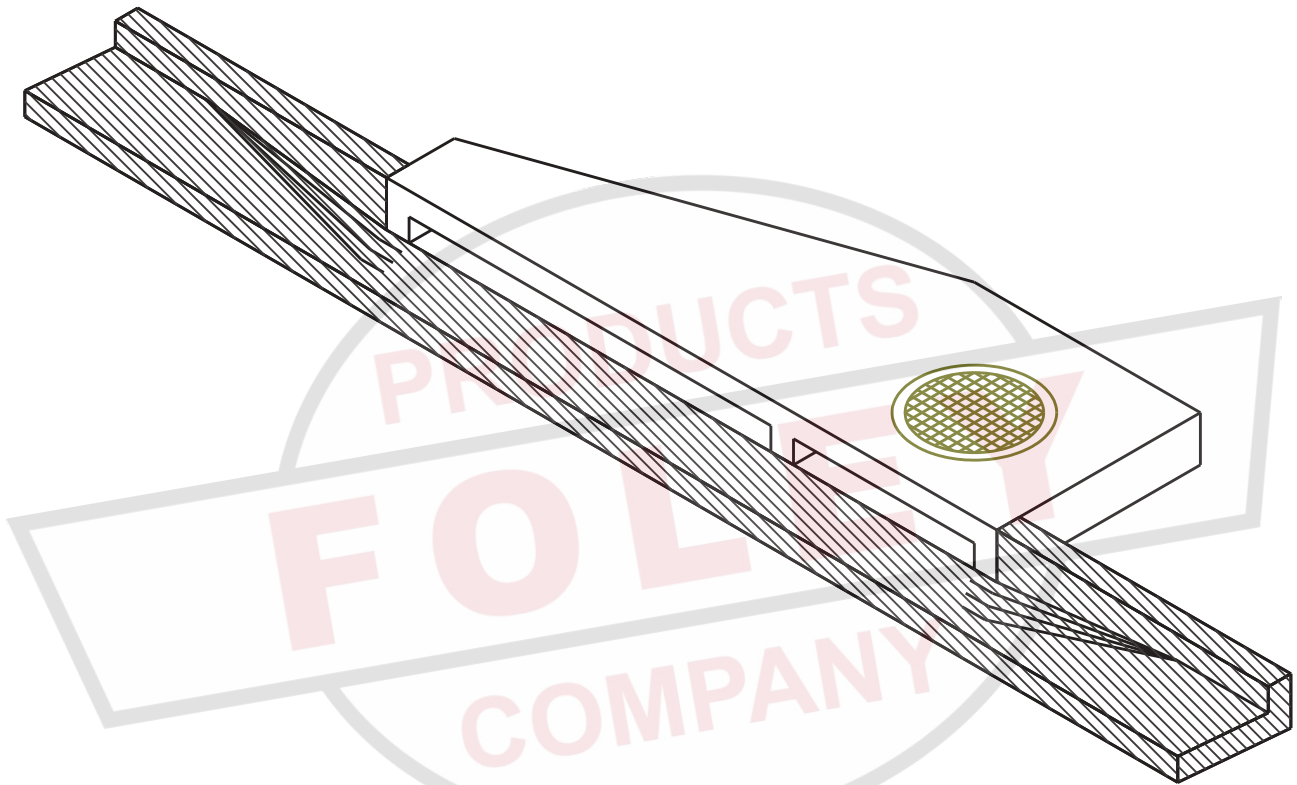


PRECAST SEWER INLET



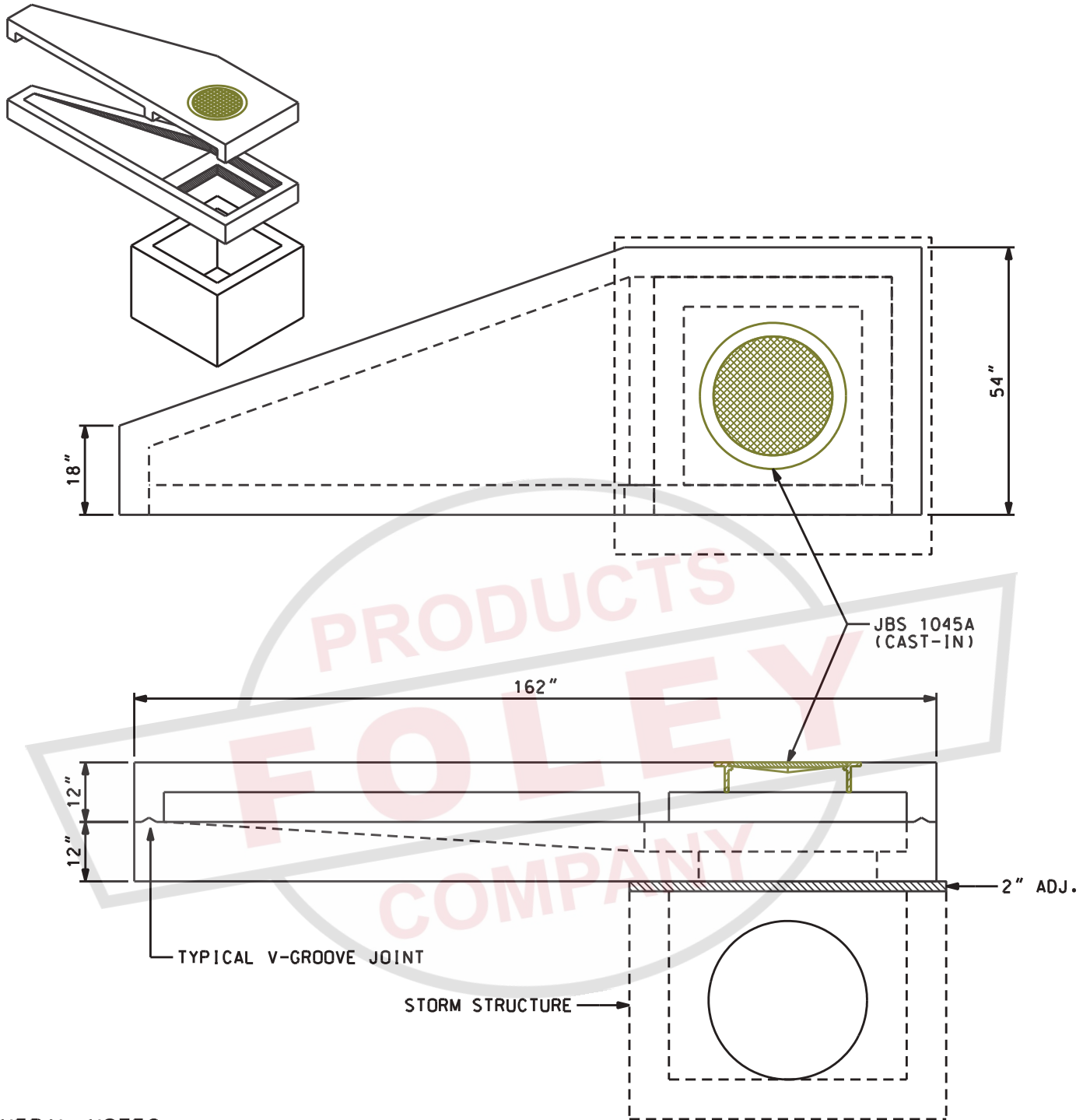
PRECAST UNIT



POUR IN PLACE BY OTHER



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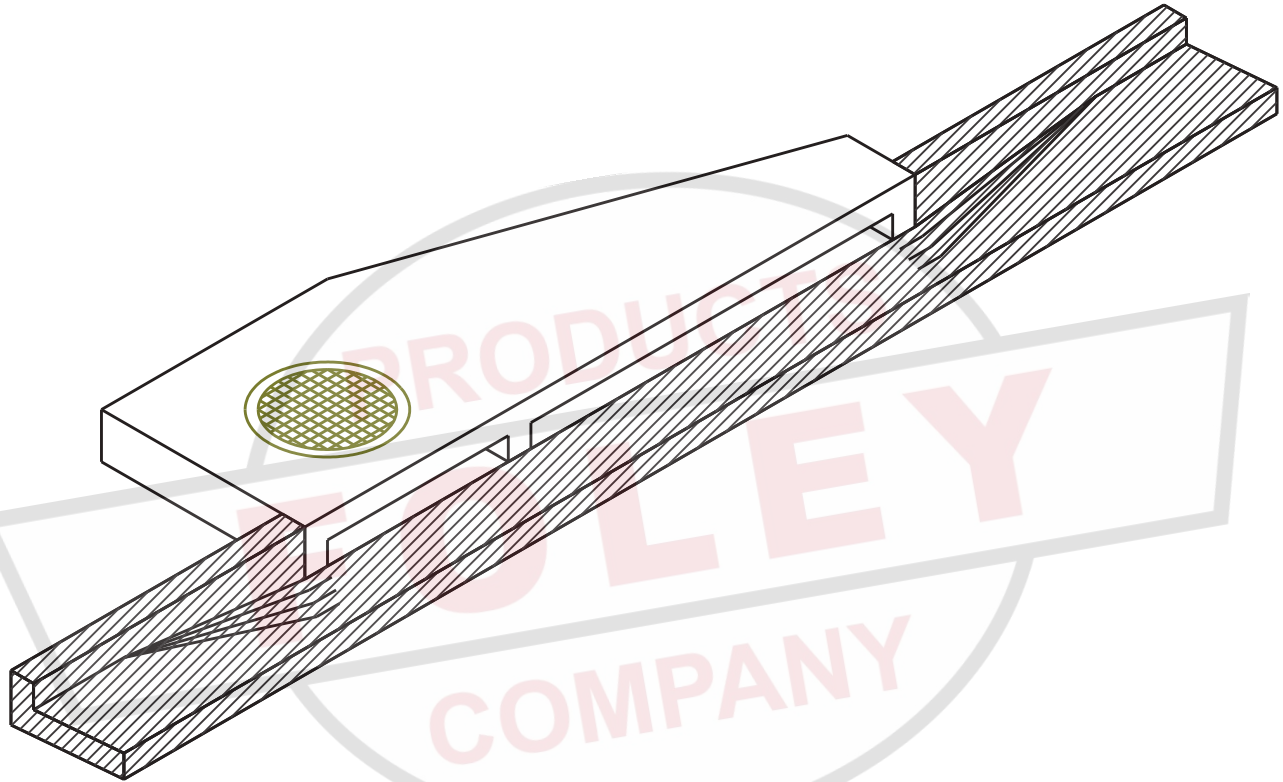


GENERAL NOTES:

1. STEEL = 60 ksi CONCRETE = 5,000 psi
2. BASE MAY BE ROUND, SQUARE, OR RECTANGULAR. BASE HEIGHT VARIES TO MEET JOB REQUIREMENTS. SIZE OF BASE CAN VARY TO ACCEPT LARGER PIPING WITHOUT THE CURB INLET CHANGING.
3. BASE WILL BE MANUFACTURED TO MEET "STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS" (ASTM-C478 - ROUND) OR "STANDARD SPECIFICATION FOR PRECAST CONCRETE WATER AND WASTE-WATER STRUCTURES" (ASTM-C913 - SQUARE/RECTANGLE).
4. ALL PRECAST COMPONENTS SHALL MEET ALDOT SECTION 621.
5. CAST IRON RING AND COVER SHALL BE JBS 1045A (PROVIDED BY JOHN BOUCHARD AND SONS COMPANY).
6. JOINT BETWEEN BASE SECTION AND CURB INLET UNIT SHALL BE SEALED WITH GROUT OR BUTYL MASTIC MATERIAL.

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PRECAST SEWER INLET



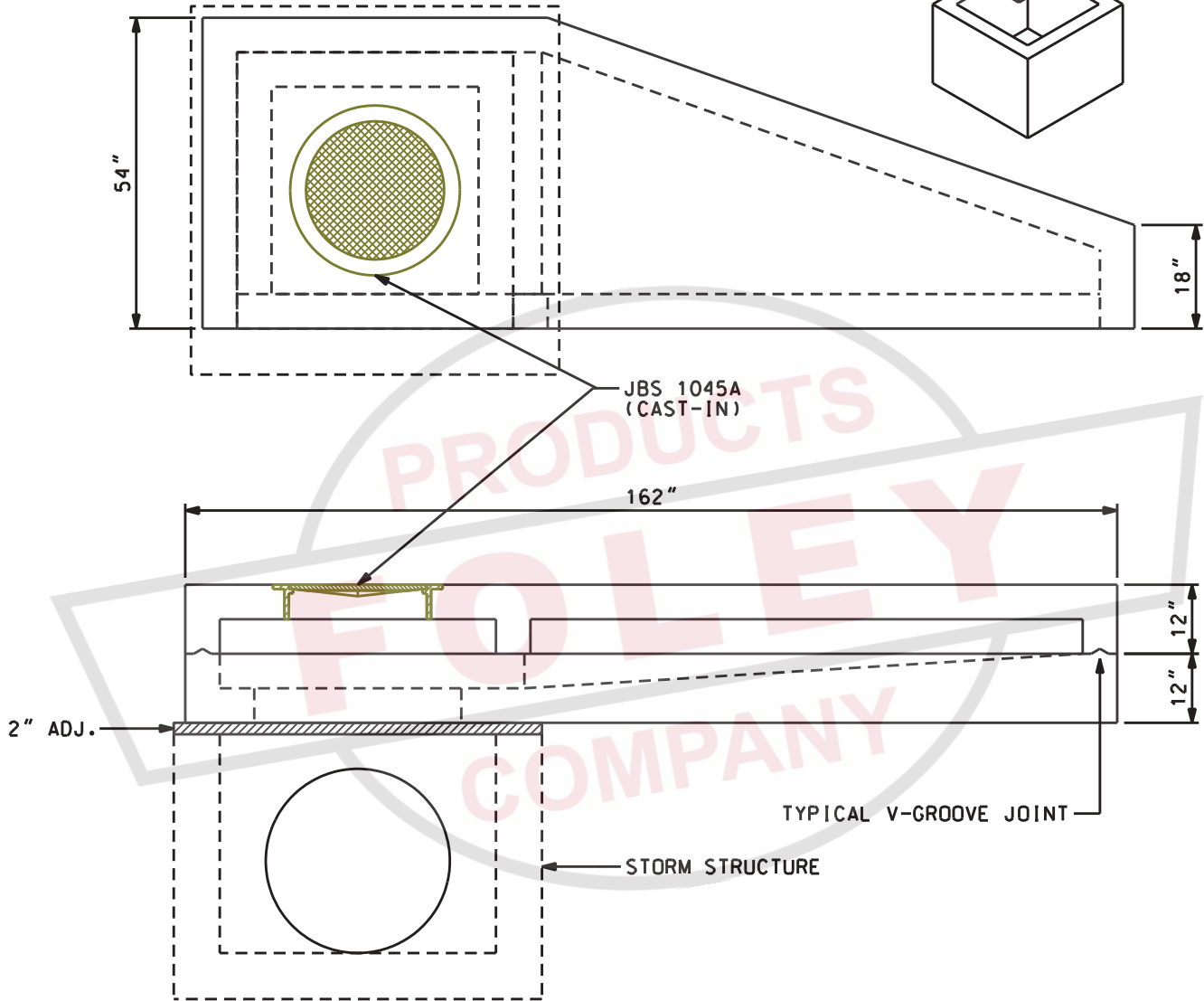
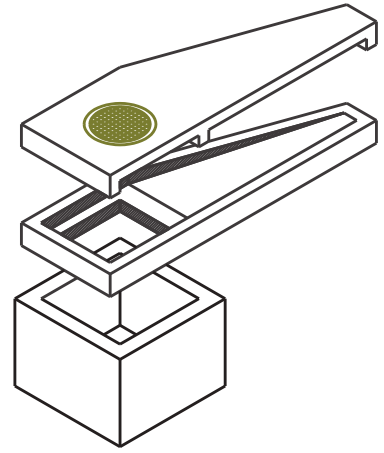
PRECAST UNIT



POUR IN PLACE BY OTHER




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FRANKLIN, TN CHATANOOGA, TN

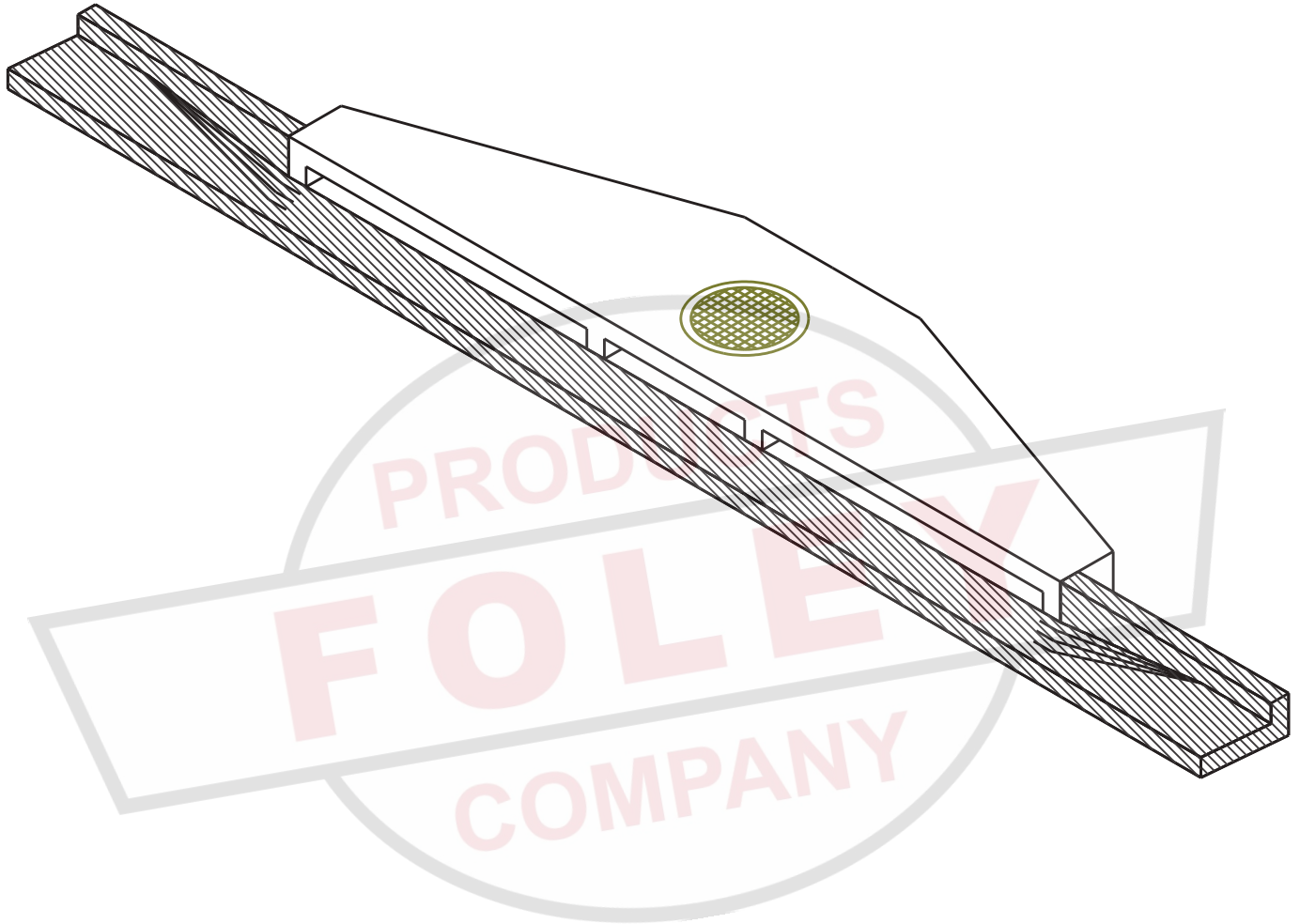


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PRECAST SEWER INLET



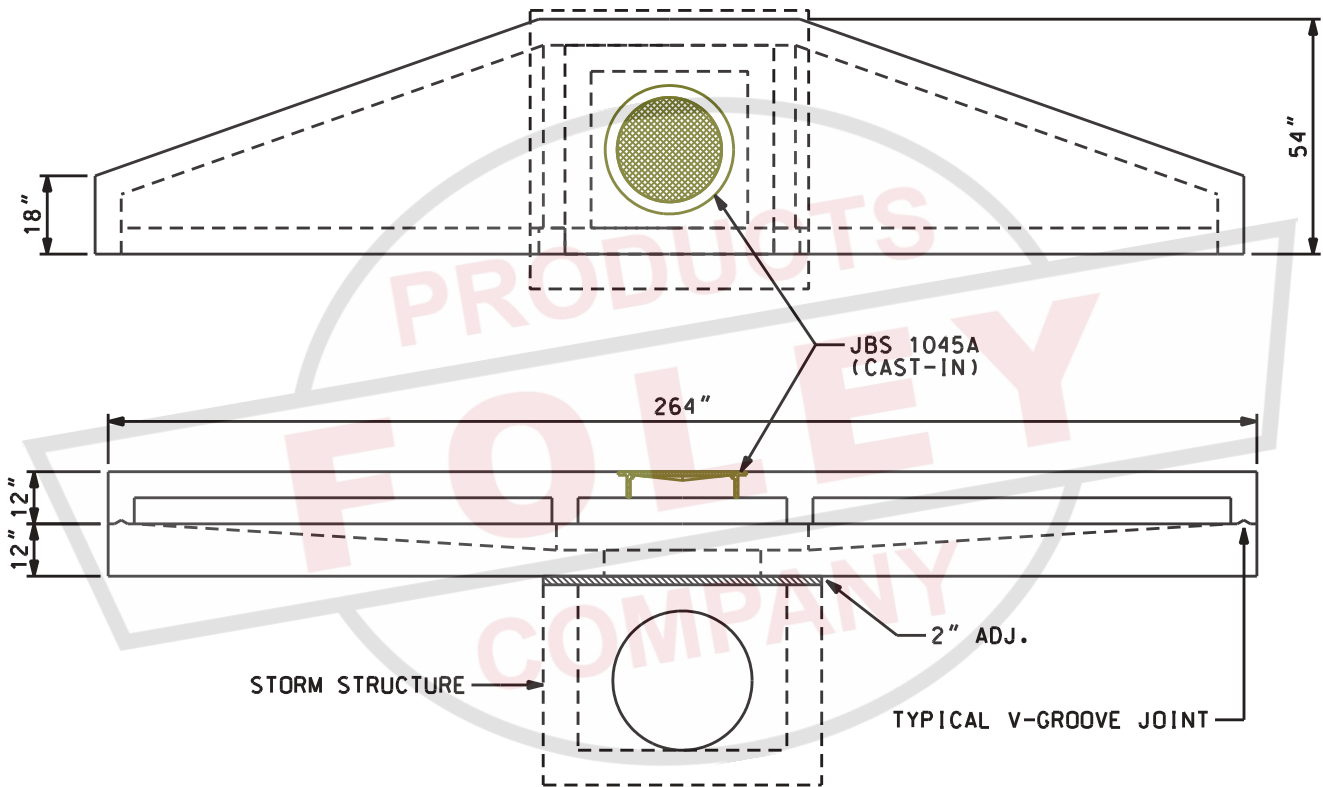
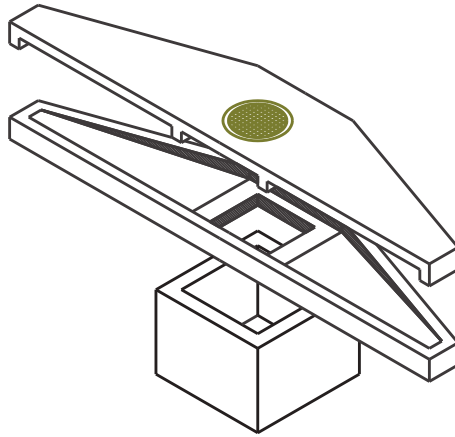
PRECAST UNIT



POUR IN PLACE BY OTHER




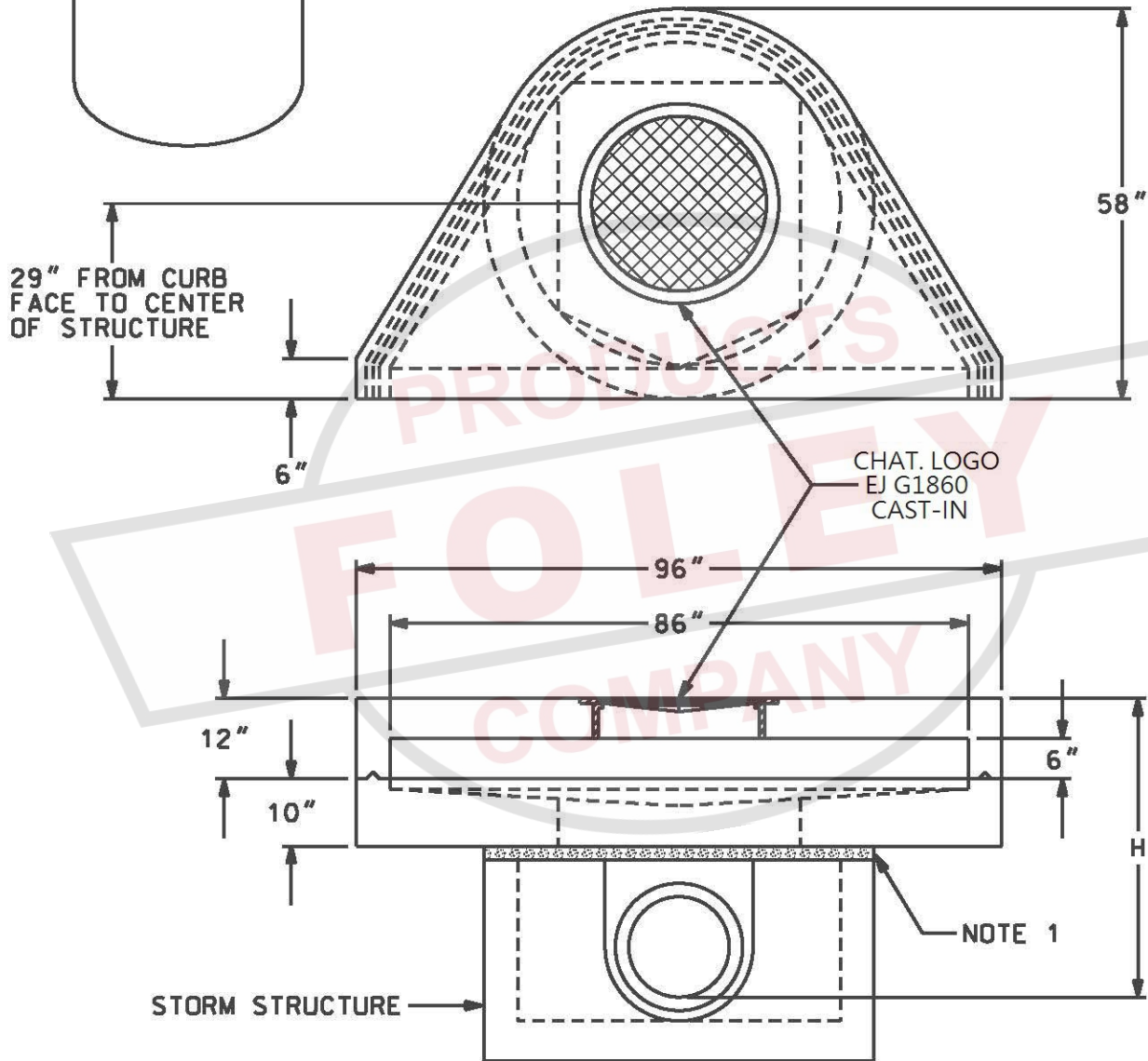
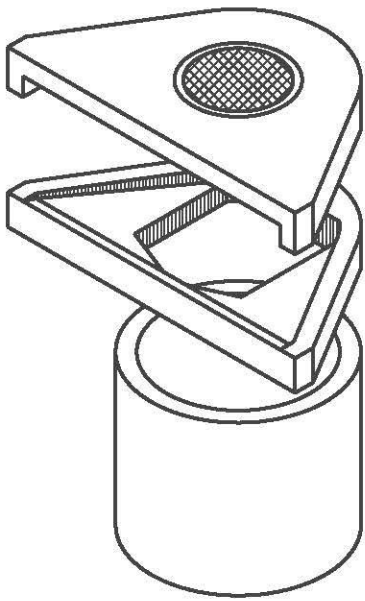
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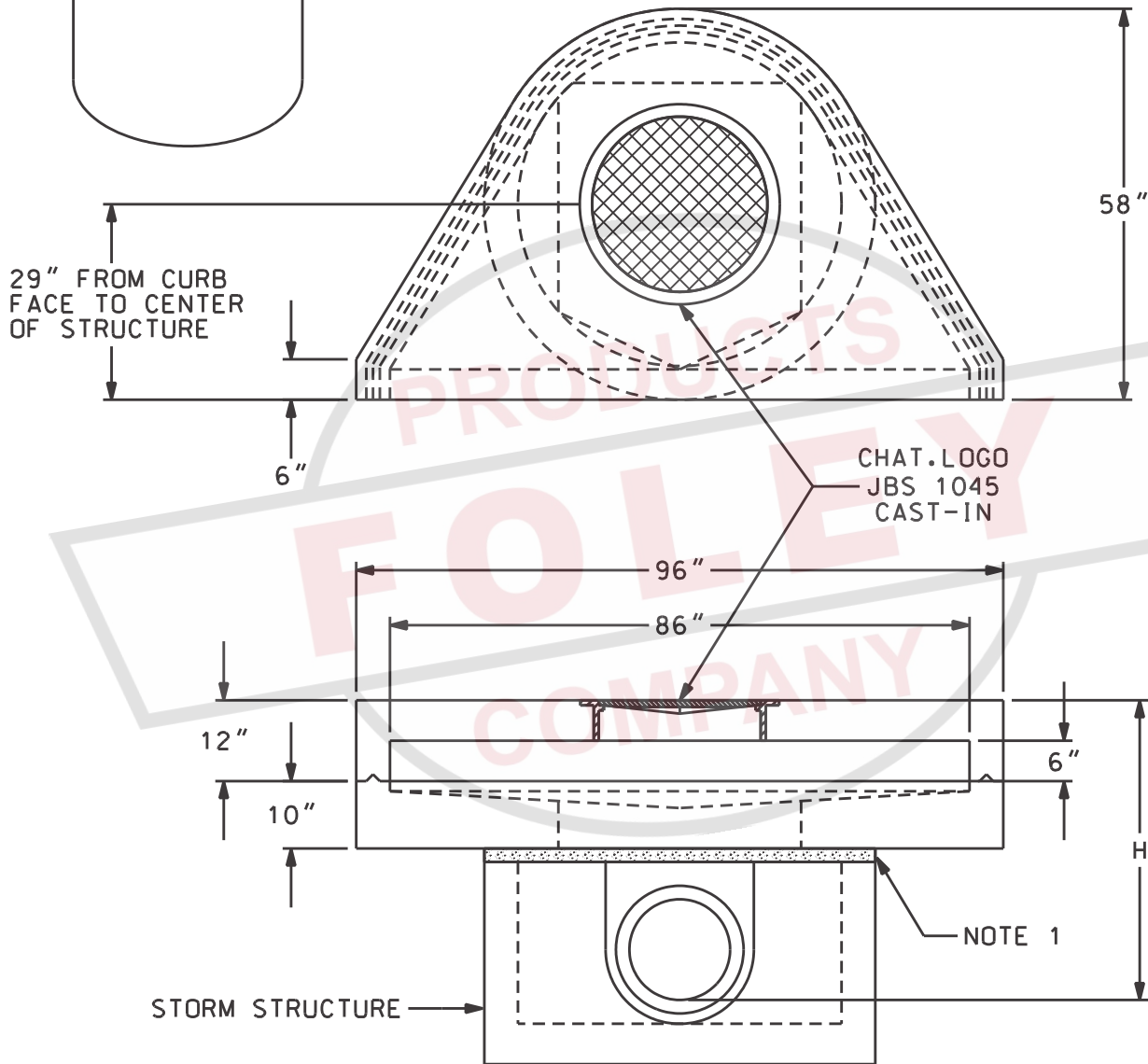
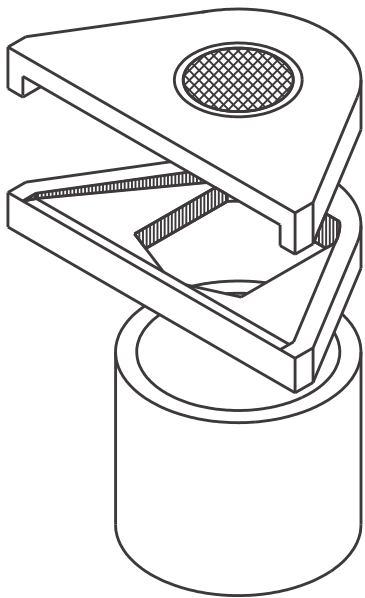
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	PH# 1-800-737-0707	DWG# TCI-610
DATE: 09/12/08		SHEET# 1 OF 1



- 1) 4" OF ADJUSTMENT IF ROADWAY SLOPE IS LESS THAN 5 PERCENT
- IF ROADWAY SLOPE EXCEEDS 5 PERCENT THEN ADDITIONAL ADJUSTMENT MUST BE USED UP TO A MAXIMUM OF 8"



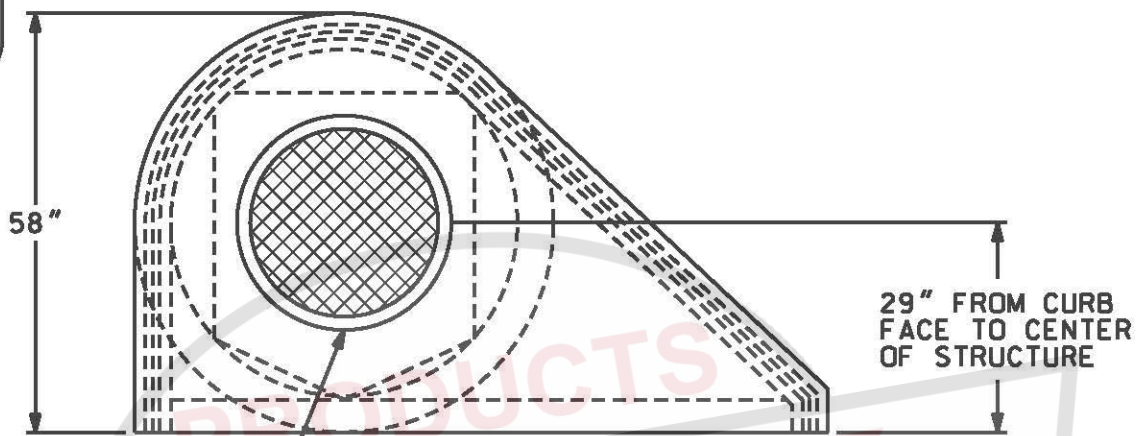
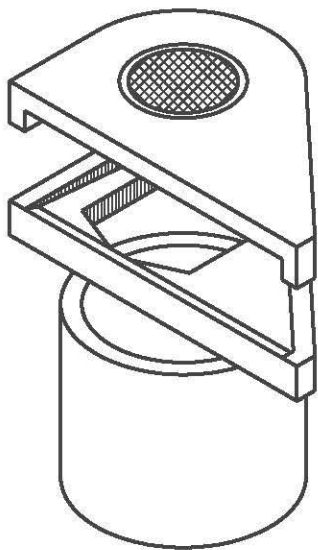
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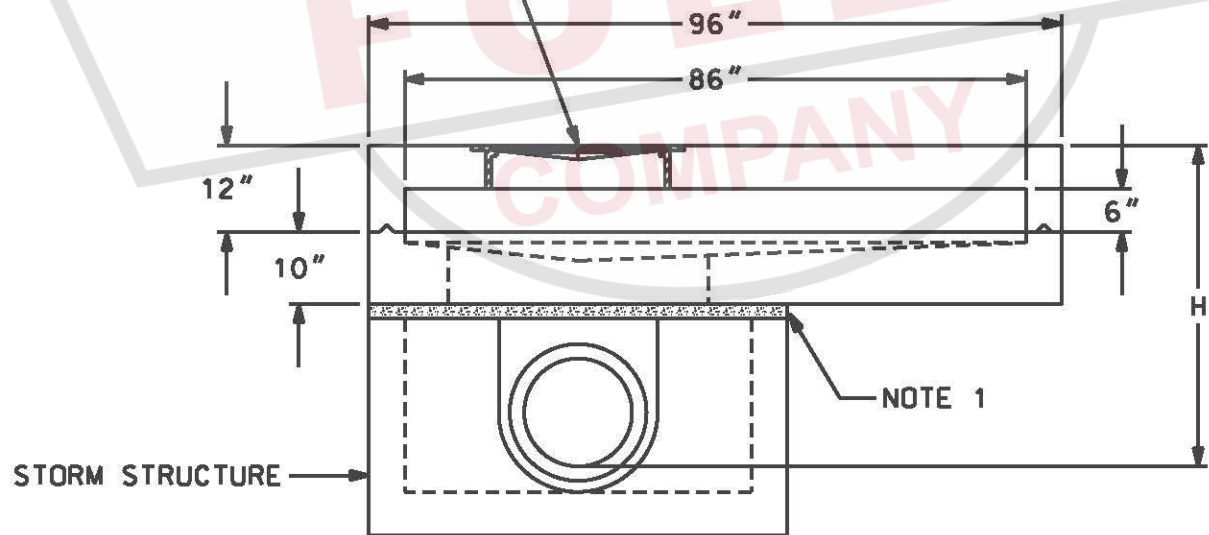
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CHAT. LOGO
EJ G1860
CAST-IN



STORM STRUCTURE

NOTE 1

1) 4" OF ADJUSTMENT IF ROADWAY SLOPE IS LESS THAN 5 PERCENT
IF ROADWAY SLOPE EXCEEDS 5 PERCENT THEN ADDITIONAL ADJUSTMENT MUST BE USED UP TO A MAXIMUM OF 8"



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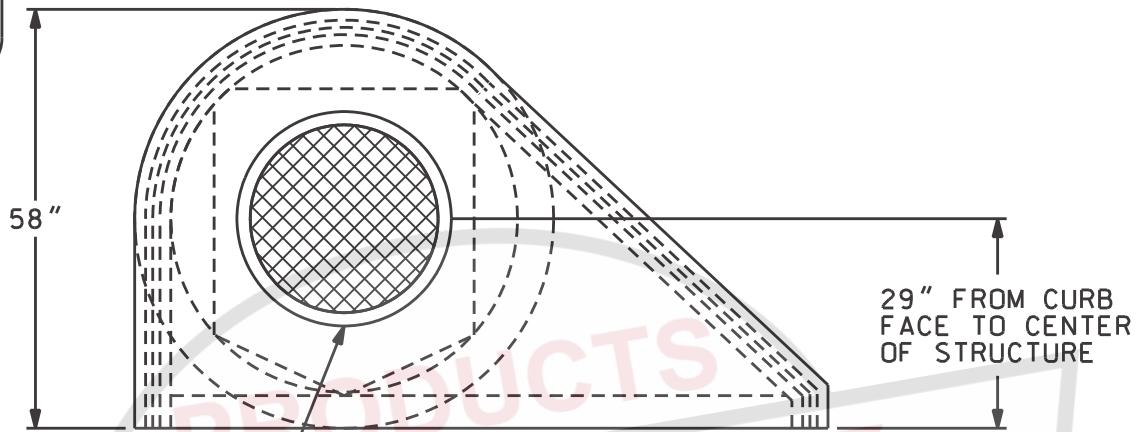
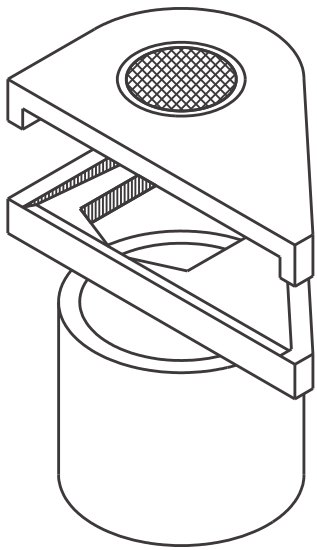
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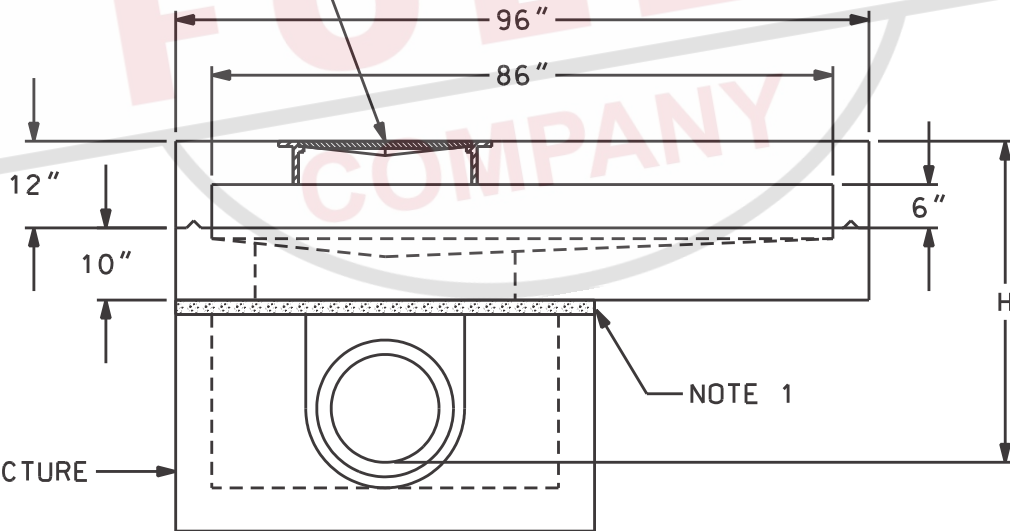
SHEET# 1 OF 1

STORM SEWER THROATED INLET (RIGHT)

SCALE: NTS



CHAT. LOGO
JBS 1045
CAST-IN



STORM STRUCTURE

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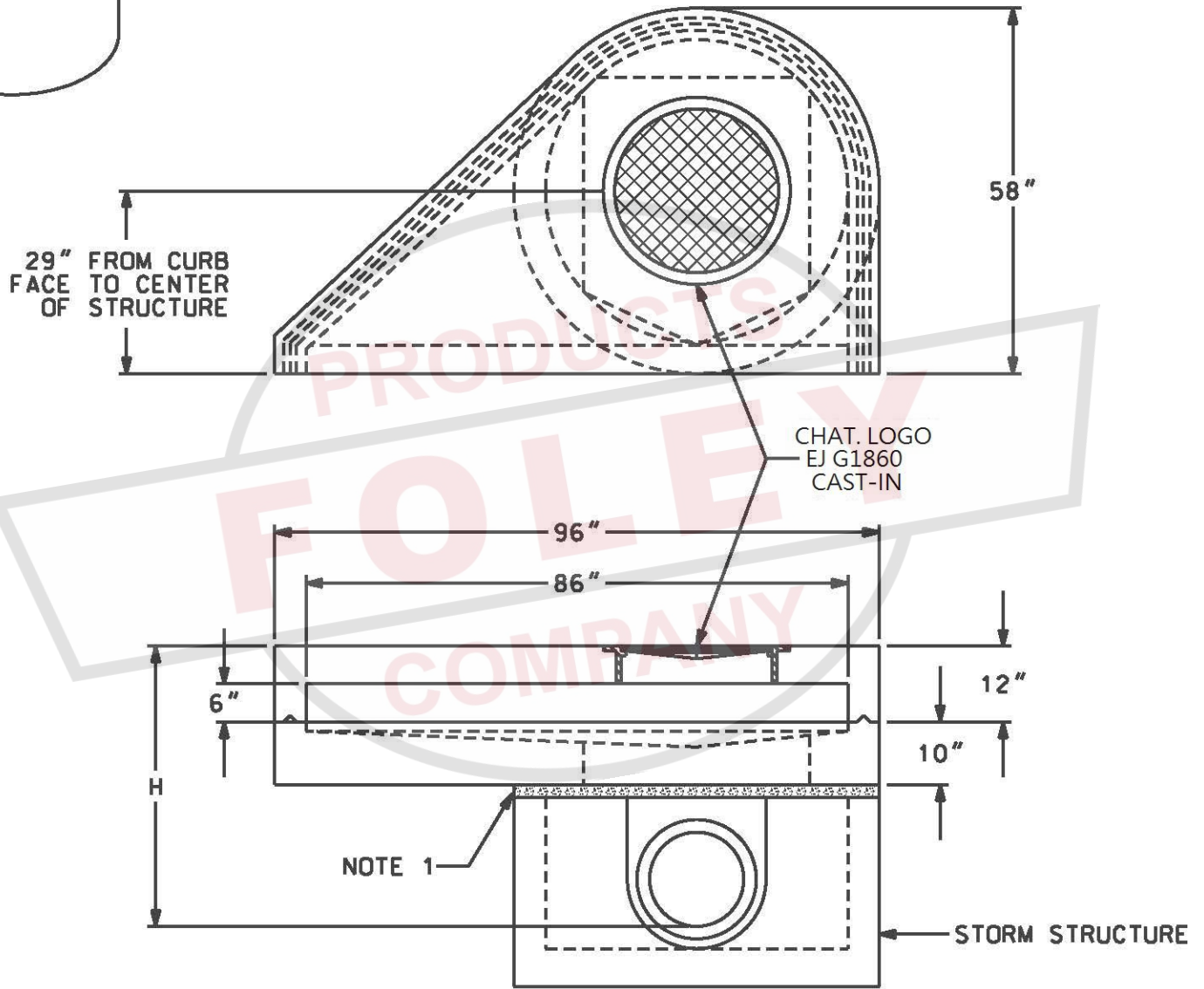
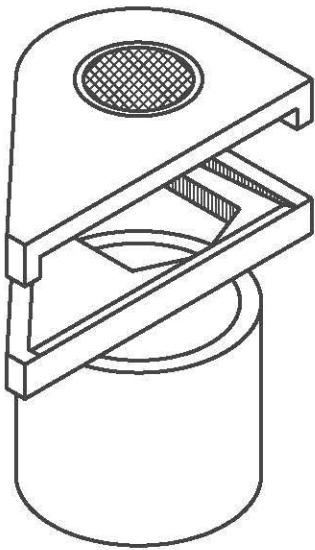
DWG# TC1-625

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SHEET# 1 OF 1

STORM SEWER THROATED INLET (RIGHT)

SCALE: NTS



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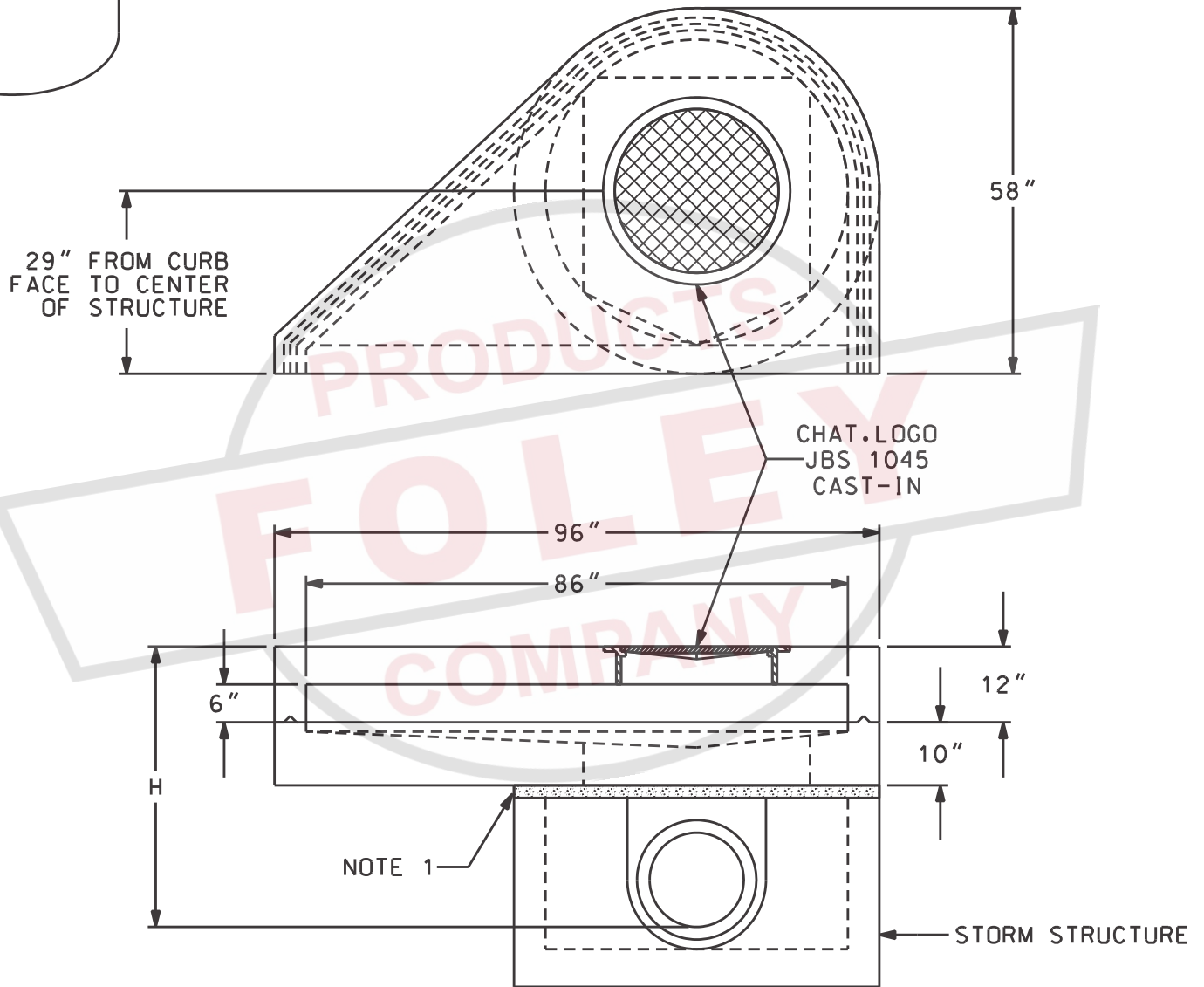
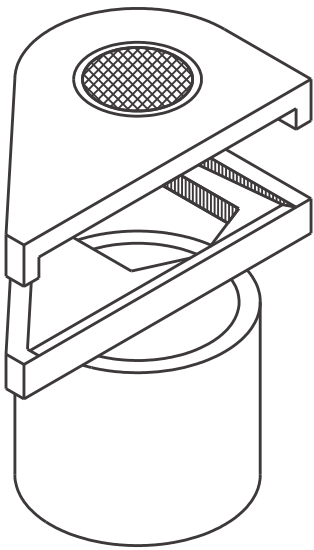
DWG# TCI-630

DATE: 09/12/08

SHEET# 1 OF 1

STORM SEWER THROATED INLET (LEFT)

SCALE: NTS



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DATE: 09/12/08

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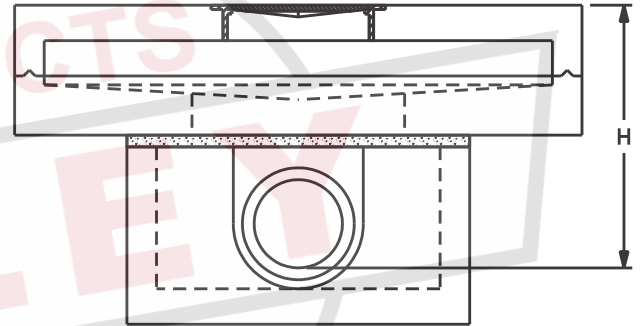
STORM SEWER THROATED INLET (LEFT)

SCALE: NTS

PIPE SIZE	(D) LOWER PORTION INLET DIAMETER **	(T) WALL THICKNESS CONCRETE	(H) MINIMUM DEPTH
12"	4'	5"	3.25'
15"	4'	5"	3.5'
18"	4'	5"	4.0'
21"	4'	5"	4.25'
24"	4'	5"	4.5'
30"	4'	5"	5.0'
36"	5'	6"	6.5'
42"	6'	7"	6.75'
48"	6'	7"	7.25'
54"	7'	8"	8.0'
60"	8'	9"	8.5'
SPAN/RISE			
23"x14"	4'	5"	3.75'
30"x19"	4'	5"	4.0'
38"x24"	5'	6"	5.25'
45"x29"	6'	7"	5.75'
53"x34"	7'	8"	6.25'
60"x38"	8'	9"	7.25'

** DIAMETER OF LOWER PORTION SHALL MEET MINIMUM DIAMETER (D) AS LISTED ABOVE. DIAMETER IS BASED ON PROPOSED PIPE SIZE. A PRECAST TRANSITION SLAB WILL BE UTILIZED TO ACCOMODATE THE USE OF THE TOP PORTION AS SHOWN AND DIMENSIONED ON THIS DETAIL

* ADDITIONAL PIPES AND ANGLES MAY REQUIRE LARGER INLET DIAMETER. A MINIMUM OF 1'-0" IS REQUIRED FROM OUTSIDE OF CORE TO OUTSIDE OF CORE.



NOTES:

- H= DIM FROM TOP OF CURB/CASTING TO PIPE INVERT
- FORMULA FOR DETERMINING H = 22" FOR TOP UNIT + 4" ADJUSTMENT BETWEEN TOP AND PIPE CHAMBER + PIPE WALL THICKNESS + PIPE I.D. (22 + 4 + P_T + P_{ID})
- EXAMPLE FOR 18" RCP - P_T =2.5 P_{ID} =18
 $22 + 4 + 2.5 + 18 = 46.5"$
 $46.5 / 12 = 3.87$ (SAY 4.0)
- * WE ROUNDED UP TO NEAREST .25" TO ALLOW FOR SOME FIELD ADJUSTMENT IF REQUIRED BY MINOR FIELD REVISIONS.
- IN CRITICAL DEPTH SITUATIONS H MINS CAN BE REDUCED BY .25", BUT WOULD NOT SUGGEST TRYING TO DESIGN ENTIRE SYSTEM WITH CRITICAL DEPTH CUT HEIGHTS
- 5' DIA AND LARGER PIPE CHAMBERS REQUIRE 8" TRANSITION SLAB



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