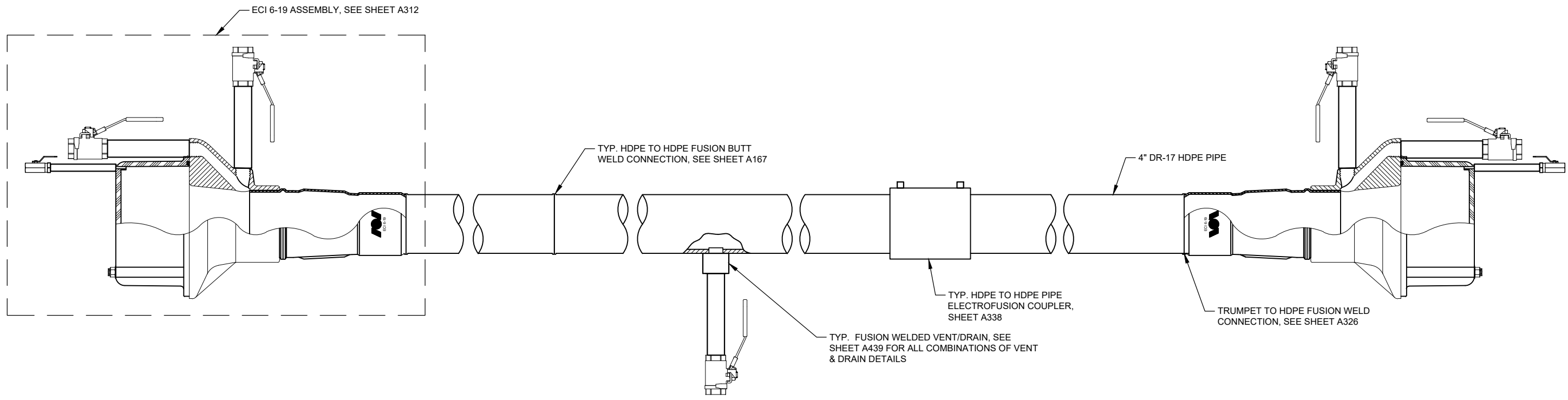


ELECTRONIC FILE LOCATION: I:\SVS\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



**TENDON OVERALL ASSEMBLY**

**NOTES:**

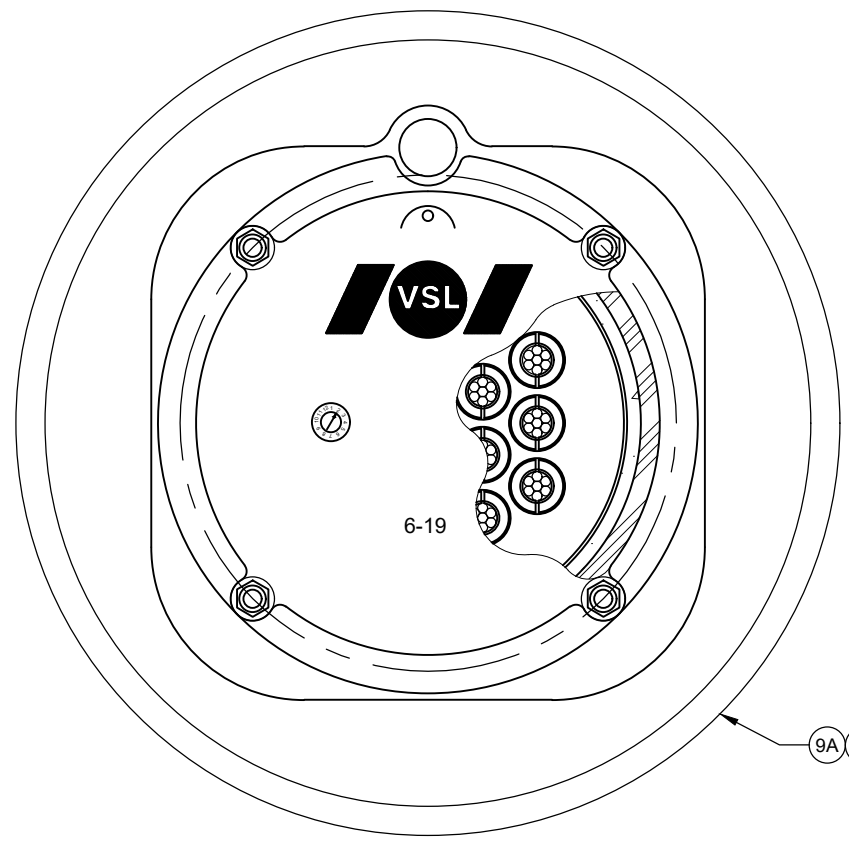
1. CONNECTIONS & MATERIALS SHOWN IN EITHER CONFIGURATION CAN BE USED INTERCHANGEABLE, OMITTING ANY CONNECTIONS NOT REQUIRED FOR A PARTICULAR JOB.
2. COLD/FIELD MINIMUM BEND RADIUS FOR 4" HDPE PIPE IS 20'-0".
3. HOT/PRE-BENT MINIMUM BEND RADIUS FOR 4" HDPE PIPE WITH 19 STRANDS IS 10'-0". REFER TO HDPE PIPE HEATED PRE-BENDING PROCEDURE.

THESE SHOP DRAWINGS ILLUSTRATE THE DETAILS OF THE STRUCTURAL TECHNOLOGIES, LLC POST-TENSIONING SYSTEM. THEY WERE PREPARED IN CONFORMANCE WITH THE STRUCTURAL DESIGN PROVIDED TO STRUCTURAL TECHNOLOGIES, LLC BY PROJECT OWNER OR ITS REPRESENTATIVE. STRUCTURAL TECHNOLOGIES, LLC TOOK NO PART IN THE PREPARATION OR REVIEW OF SAID STRUCTURAL DESIGN AND STRUCTURAL TECHNOLOGIES, LLC DISCLAIMS ANY LIABILITY FOR IT. THE STAMP OR SEAL OF A STRUCTURAL TECHNOLOGIES, LLC EMPLOYEE ON THESE SHOP DRAWINGS PERTAINS ONLY TO THE TRANSFER OF THE FORCES REQUIRED BY THE ENGINEER OF RECORD ON THE STRUCTURAL DRAWINGS, AND NOT TO THE ADEQUACY OF THE STRUCTURAL DESIGN. NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN IS MADE BY VIRTUE OF ANY SUCH STAMP OR SEAL.

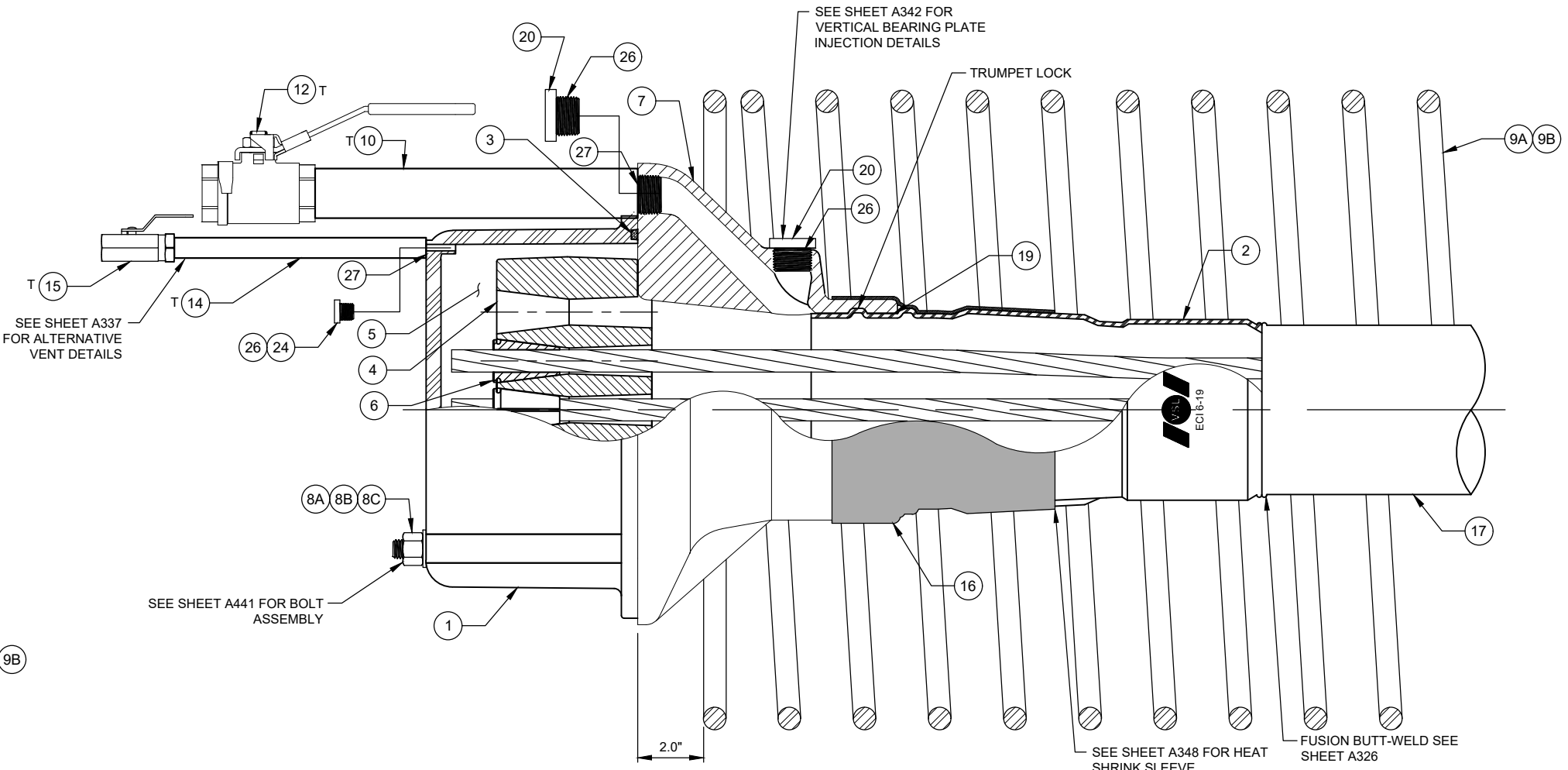
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PROJECT INFORMATION:	
PROJECT NO: <b>SYSTEM</b>	SCALE: <b>NTS</b>
SHEET NO: <b>A313B</b>	
TITLE: <b>ECI 6-19 TENDON W/ FLEXIBLE FILLER OVERALL ASSEMBLY</b>	
<p><b>structural TECHNOLOGIES</b>                  Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL                  STRUTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD COLUMBIA, MD 21046                  PHONE: (410) 850-7000 structuraltechnologies.com</p>	
APPROVED FOR CONSTRUCTION	DESCRIPTION
CDL ZX	BY CHK
18FEB2020	DATE

ELECTRONIC FILE LOCATION: I:\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler System Drawing\Submittal



**END VIEW**



**ELEVATION VIEW**

NOTE: ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.

INSTALLATION PROCEDURES (INSTALLATION PROCEDURE IS GENERIC. FOLLOW THE PROJECT SPECIFIC REQUIREMENTS AND THE FDOT SPECIFICATIONS)

1. ASSEMBLE TRUMPET INTO THE BEARING PLATE. APPLY 1/4" BONDUIT ALL AROUND LIP OF BEARING PLATE PRIOR TO INSTALLING TRUMPET. USE SLOT TO ALIGN PLATE AND TRUMPET. INSERT TRUMPET UNTIL LOCKING TABS ENGAGE.
2. LIGHTLY GREASE ANCHORAGE CAP BOLTS. USE MOUNTING HOLES IN BEARING PLATE TO MOUNT BEARING PLATE ASSEMBLY TO FORM. SECURE BEARING PLATE ASSEMBLY WITH ANCHORAGE CAP BOLTS. USE CARE NOT TO DAMAGE THREADS.
3. INSTALL AND SECURE SPIRAL.
4. INSTALL FILLER PORT CONNECTIONS. SEAL ALL TEMPORARY CONNECTIONS WITH PIPE DOPE/SILICONE GREASE (BY OTHERS), AND SEAL ALL PERMANENT CONNECTIONS WITH BONDUIT OR SIMILAR (BY OTHERS).
5. SECURE DUCT SUPPORTS @ 2' MAX. INSERT MANDRELS INTO TRUMPETS.
6. PER FDOT SPECIFICATION SECTION 462-8.2.1.2, A VACUUM TEST IS REQUIRED PRIOR TO CONCRETE PLACEMENT.
7. CONCRETE PLACEMENT OCCURS BY OTHERS.
8. INSTALL STRAND. LEAVE SUFFICIENT STRAND FOR STRESSING EQUIPMENT.
9. INSTALL ANCHOR HEADS. MAKE SURE WEDGE CAVITIES ARE CLEAN AND RUST FREE. USE WIRE BRUSH TO CLEAN IF NECESSARY. ALIGN ANCHOR HEAD TO BEARING PLATE USING AN ANCHORAGE CAP TEMPLATE.
10. ONLY STRESS STRANDS IF CONCRETE HAS REACHED REQUIRED STRENGTH SPECIFIED ON DRAWINGS.
11. ELONGATION SHOULD BE WITHIN ±7%.
12. AFTER ENGINEERS APPROVAL, STRAND TAILS MAY BE CUT.
13. AFTER FORM WORK IS REMOVED, USE MOUNTING BOLTS TO INSTALL ANCHORAGE CAP WITH O-RING.
14. SYSTEM IS NOW READY TO AIR TEST.
15. PER THE FDOT SPECIFICATION SECTION 462-8.2.2, A SECOND AIR PRESSURE TEST IS REQUIRED AFTER STRAND STRESSING AND PRIOR TO WAX INJECTION.
16. WAX TENDON PER WAX SPEC.

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ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1	1	ECI 6-19 ANCHORAGE CAP W/ 1/4" NPT HORIZONTAL PORT	ABS LUSTRAN 633 PER ASTM D4673	02GC61902	C549
2	1	ECI 6-19 TRUMPET	HDPE BLACK PER ASTM D3350	02BP4322	C579
3	1	ECI 6-19 ANCHORAGE CAP O-RING	BUNA-N 70 D PER FDOT TABLE 2.2.1.7-1	02WX6020	C794
4	1	ECI 6-19 ANCHOR HEAD	CAST IRON GR80-55-06 PER ASTM A536	02AH0038	C557
5	-	FLEXIBLE FILLER	FDOT APL	-	-
6	19	1.6G WEDGE .6 1.77 W/GROOVE	AISI 11-L-17 PER ASTM A108	02WG0008	C218
7	1	ECI 6-19 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123	CAST IRON GR80-55-06 PER ASTM A536	02BP0038V	C738
8A	1 SET	1/2"-13 THREADED ROD X 7"	(316L) STAINLESS PER ASTM F593	02WX5033D	A441
8B	1 SET	1/2"-13 NUT	(316L) STAINLESS PER ASTM A240	02WX5033D	A441
8C	1 SET	1/2" WASHER	(316L) STAINLESS PER ASTM A240	02WX5033D	A441
9A	1	SPIRAL ECI 6-19 5500 (#5 15" DIA., 10 1/2 TURNS, 2" PITCH)	STEEL GR60 PER ASTM A615	02BP0094	C679
9B	1	SPIRAL ECI 6-19 3500 (#5 17" DIA., 11 1/2 TURNS, 2" PITCH)	STEEL GR60 PER ASTM A615	02BP0093	C679
10	1	1" NPT STEEL NIPPLE	SCH 40 STEEL	-	C725
12	1	1" NPT STEEL 1/4 TURN BALL VALVE	SCH 40 STEEL	02DT01926	C746
14	1	1/4" NPT STEEL NIPPLE	SCH 40 STEEL	-	C749
15	1	1/4" NPT STEEL 1/4 TURN BALL VALVE	SCH 40 STEEL	02DT01924	C744
16	1	CANUSA KLNN-115 WS BK/L X 9" HEAT SHRINK SLEEVE	POLYOLEFIN PER FDOT TABLE 2.2.1.8-1	02DT0514	C763
17	-	4" DR-17 PIPE	HDPE BLACK PER ASTM D3350	-	C882B
19	-	BONDUIT - SEAL AID 1/4" ALL AROUND	COMMERCIALY AVAILABLE	-	-
20	1	1" NPT PP PLUG	BLACK POLYPROPYLENE PER ASTM D4101	02DT01948	C879
24	1	1/4" NPT PE PLUG	HDPE BLACK PER ASTM D3350	02DT01919	C693
26	-	BONDUIT	COMMERCIALY AVAILABLE	-	-
27	-	SILICONE GREASE	COMMERCIALY AVAILABLE	-	-

PROJECT INFORMATION:

PROJECT NO: SYSTEM

SHEET NO: A312

**structural TECHNOLOGIES**

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PHONE: (410) 850-7000  
structuraltechnologies.com

DATE: 29JAN2020

CHK: ZX

BY: CDL

DESCRIPTION: APPROVED FOR CONSTRUCTION

NO

PROJECT INFORMATION:

PROJECT NO: SYSTEM

SHEET NO: A312

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Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL

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COLUMBIA, MD 21046

PHONE: (410) 850-7000  
structuraltechnologies.com

DATE: 29JAN2020

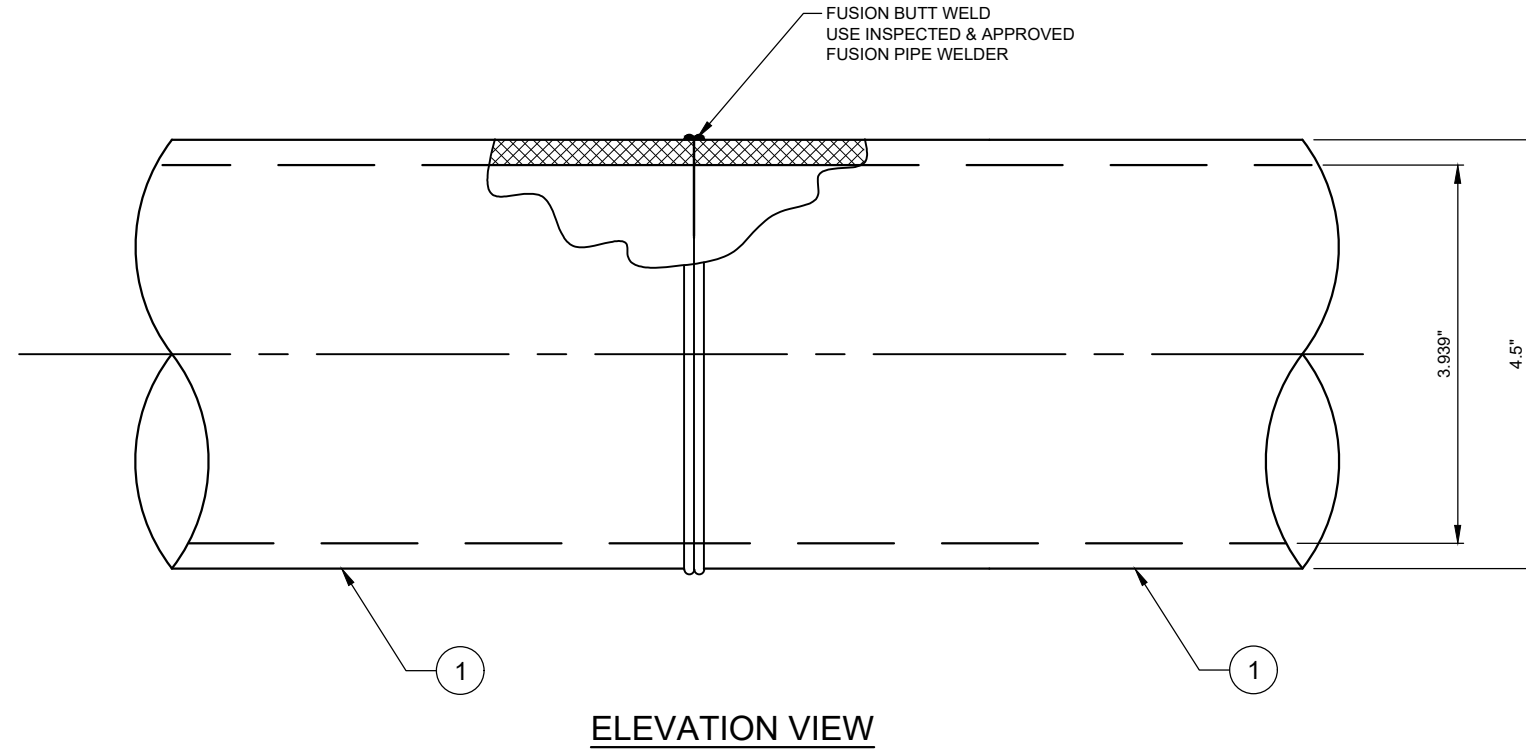
CHK: ZX

BY: CDL

DESCRIPTION: APPROVED FOR CONSTRUCTION

NO

ELECTRONIC FILE LOCATION: I:\VSL\_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



ELEVATION VIEW

NOTES:

1. HDPE 4" IPS/DR-17 MEETS FDOT 960 SPEC.
2. SEE VSL BUTT-WELDING PROCEDURE IN APPENDIX

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ITEM	QTY	DESCRIPTION	MATERIAL	DWG #
1	2	4" HDPE PIPE DR-17	HDPE BLACK PER ASTM D3350	C882B

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:  
4" HDPE TO 4" HDPE PIPE FUSION WELDED

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

A167

NO

APPROVED FOR CONSTRUCTION

BY

CDL ZX

CHK

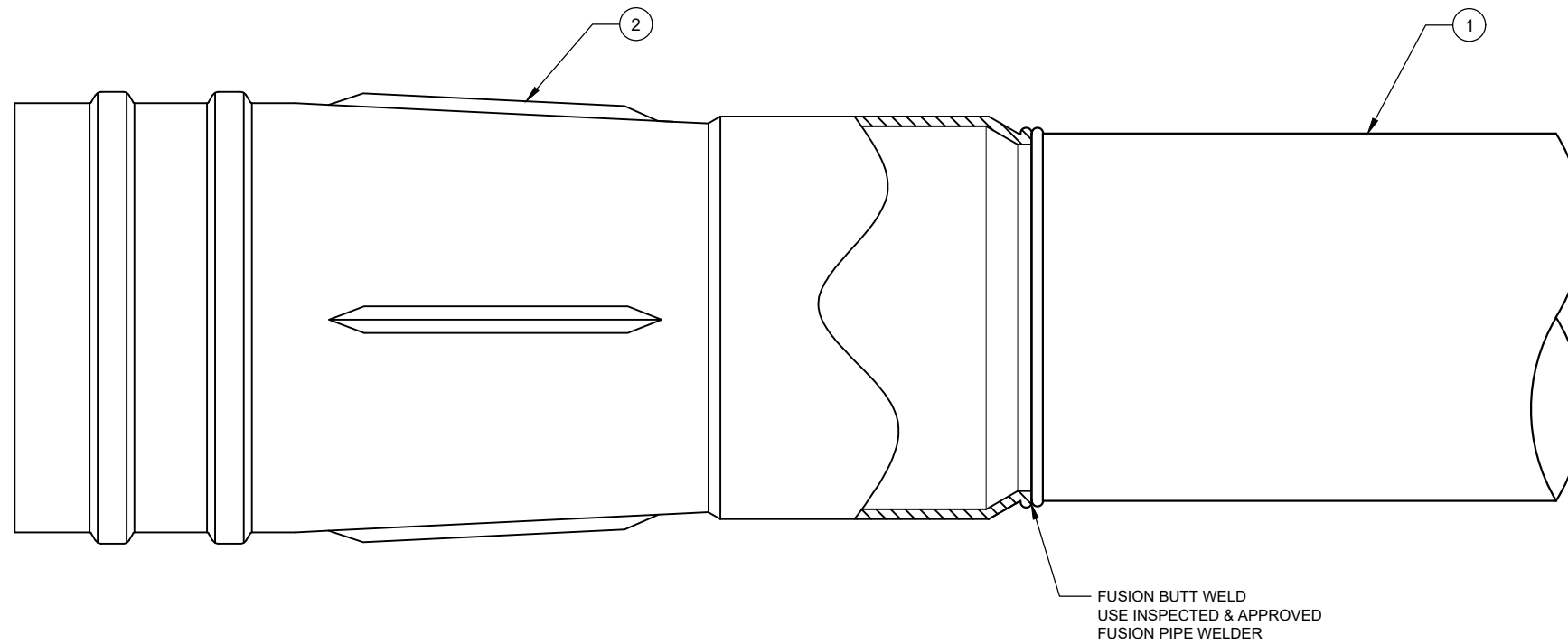
DATE

29JAN2020

**structural TECHNOLOGIES**

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 structuraltechnologies.com

ELECTRONIC FILE LOCATION: I:\VSL\_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



**TRUMPET TO HDPE PIPE ASSEMBLY**

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1	1	4" HDPE PIPE DR-17	HDPE BLACK PER ASTM D3350	-	C882B
2	1	ECI 6-19 TRUMPET	HDPE BLACK PER ASTM D3350	02BP4322	C579

- NOTES:  
 1. HDPE 4" IPS/DR-17 MEETS FDOT 960 SPEC.  
 2. SEE VSL BUTT-WELDING PROCEDURE IN APPENDIX

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PROJECT INFORMATION:

PROJECT NO:	SYSTEM	SCALE:	NTS
SHEET NO:			<b>A326</b>

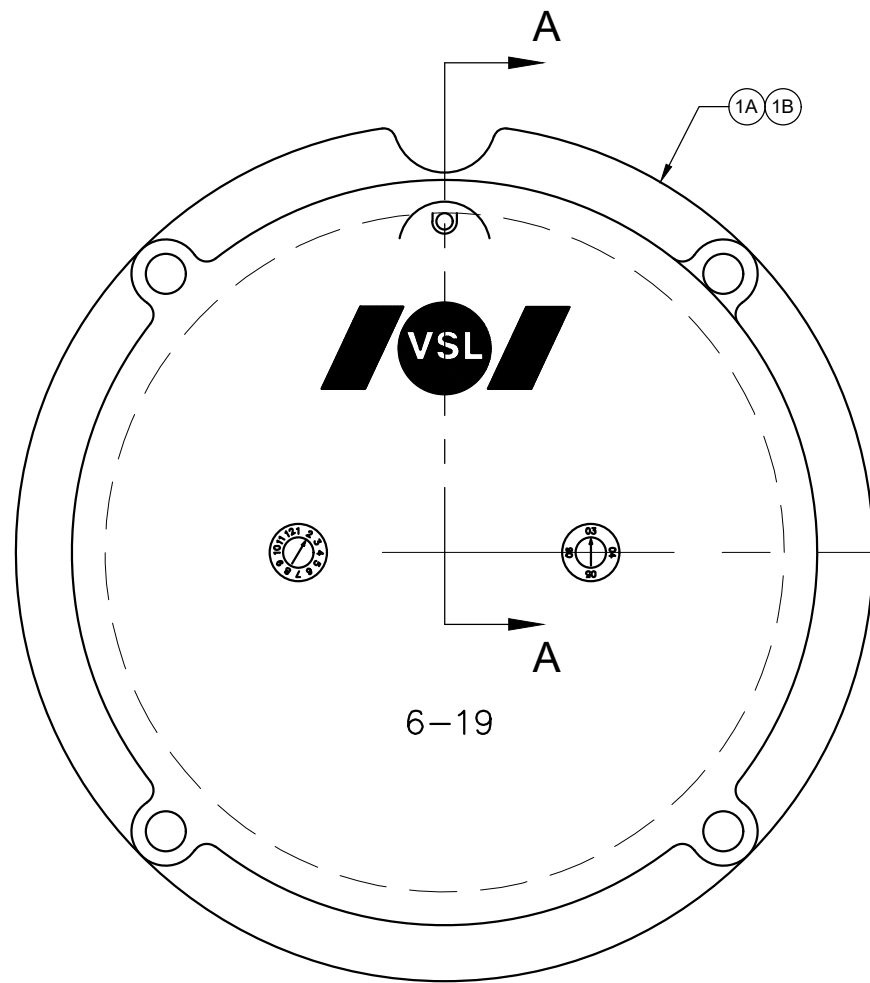
SYSTEM DRAWING

TITLE:  
**TYPICAL ECI 6-19 TRUMPET TO HDPE PIPE BUTT FUSION CONNECTION**

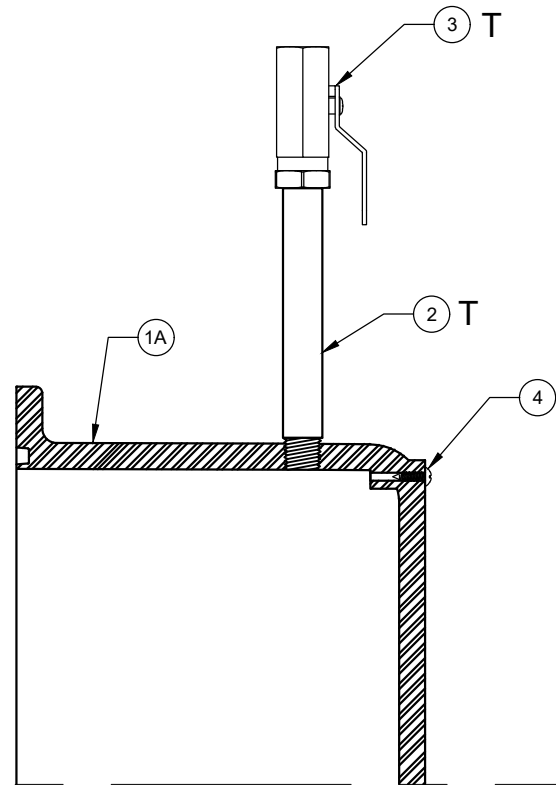
**structural TECHNOLOGIES**  
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 STRUTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD COLUMBIA, MD 21046  
 CORPORATE OFFICE  
 PHONE: (410) 860-7000  
 structuraltechnologies.com

APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
DESCRIPTION	BY	CHK
NO		DATE

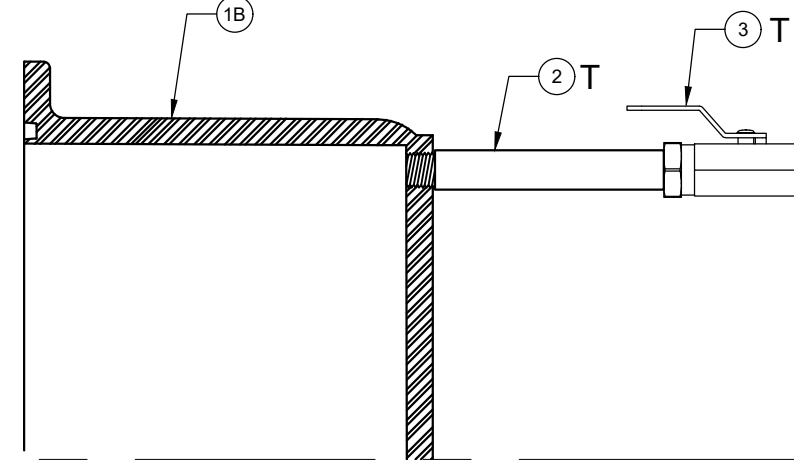
ELECTRONIC FILE LOCATION: \\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



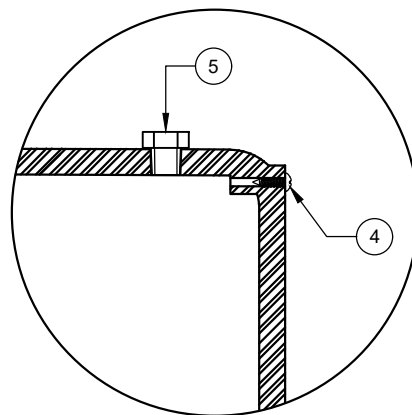
**ECI 6-19 ANCHORAGE CAP**



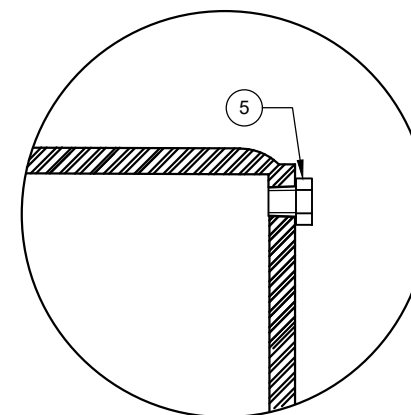
**VERTICAL PORT**



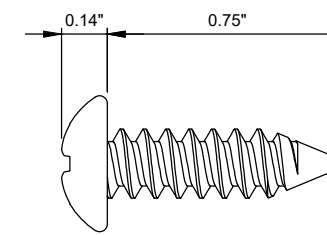
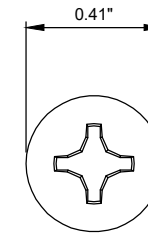
**HORIZONTAL PORT**



**AFTER WAX**



**AFTER WAX**



ITEM	DESCRIPTION	MATERIAL	INVENTORY #
4	3/16" PAN HEAD SCREW	(316L) STAINLESS	02WX7001

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1A	1	ECI 6-19 ANCHORAGE CAP W/ 1/4" VERT. PORT	ABS LUSTRAN 633 PER ASTM D4673	02GC61903	C740
1B	1	ECI 6-19 ANCHORAGE CAP W/ 1/4" HORIZ. PORT	ABS LUSTRAN 633 PER ASTM D4673	02GC61902	C549
2	1	1/4" NPT STEEL NIPPLE	SCH 80 STEEL	-	C749
3	1	STEEL 1/4 TURN BALL VALVE W/ 1/4" FNPT	SCH 80 STEEL	02DT01924	C744
4	1	3/16" PAN HEAD SCREW	(316L) STAINLESS PER ASTM A240	02WX7001	A337
5	1	1/4" NPT PE PLUG	HDPE BLACK PER ASTM D3350	02DT01919	C693

NOTE: ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.

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APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
DESCRIPTION	BY	CHK
NO		DATE

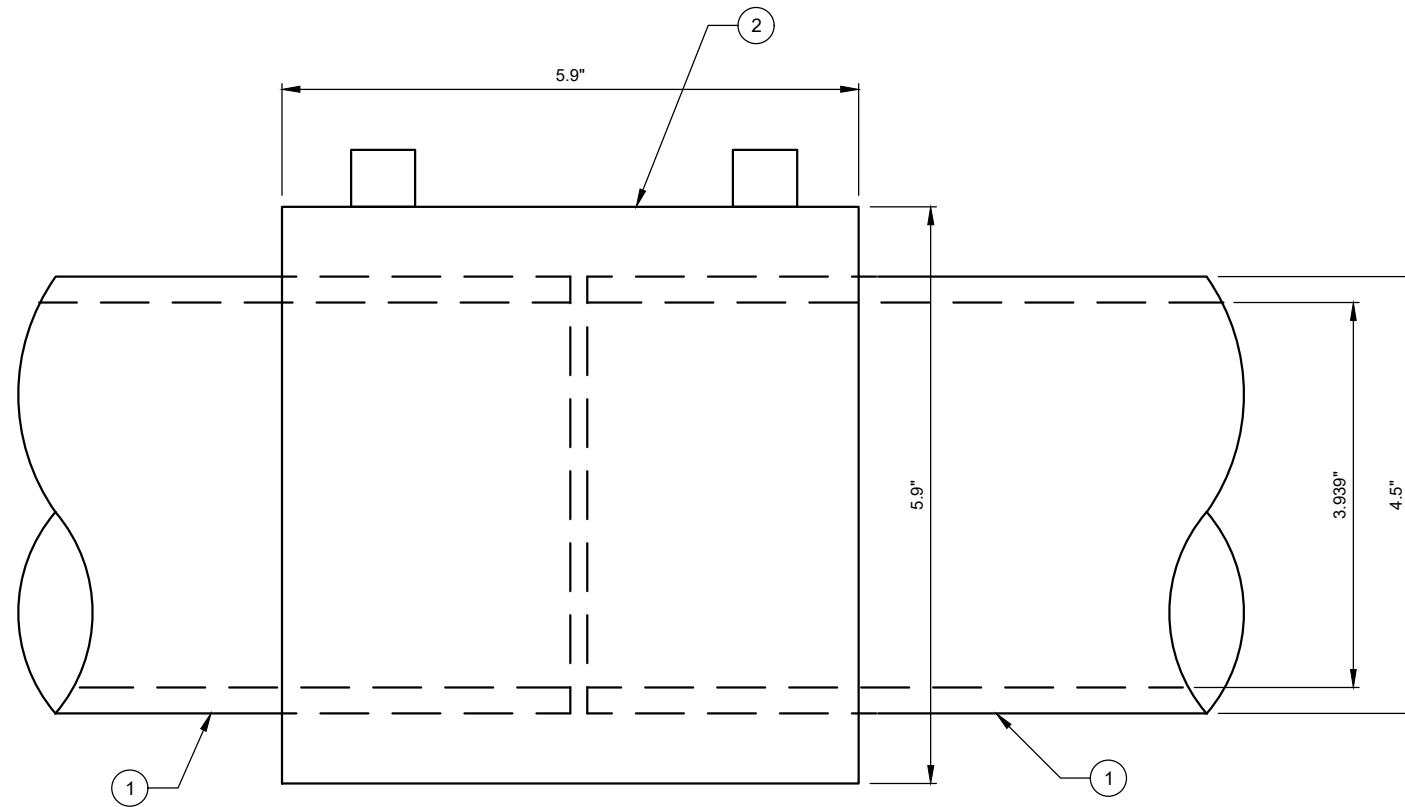
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 10150 OLD COLUMBIA RD  
 COLUMBIA, MD 21046

PHONE: (410) 850-7000  
 structuraltechnologies.com

SYSTEM DRAWING	PROJECT NO:	SYSTEM	SCALE:	NTS
DETAIL	ECI 6-19 ANCHORAGE CAP ALTERNATIVE VENT		SHEET NO:	
			<b>A337</b>	

ELECTRONIC FILE LOCATION: I:\SVS\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\EC 6-19 Flexible Filler Submittal



**ELEVATION VIEW**

INSTALLATION PROCEDURE (SEE MANUFACTURER INSTRUCTION MANUAL FOR DETAILED INSTALLATION INSTRUCTIONS):

1. CUT SQUARE ENDS ON PIPE TO BE FUSED
2. CLEAN BOTH PIPE ENDS
3. SCRAPE BOTH PIPES MINIMUM 0.07" WITH PROVIDED SCRAPING TOOL
4. CLEAN BOTH PIPE ENDS USING 90% OR GREATER ISOPROPYL ALCOHOL
5. USE REROUNDING TOOLS PROVIDED TO CORRECT OVAL PIPE IF NECESSARY
6. USE ALIGNMENT CLAMPS PROVIDED TO ENSURE PIPE IS ALIGNED WITH COUPLER
7. SUPPORT PIPE AND COUPLER AND RESTRAIN PIPE TO PREVENT MOVEMENT
8. CHECK FOR GAPS AND ELIMINATE AS NECESSARY
9. ATTACH LEADS OF THE PROVIDED FUSION PROCESSOR TO THE COUPLER
10. SCAN THE BARCODE ON THE COUPLER
11. START FUSION PROCESS
12. WHEN FUSION PROCESS IS COMPLETE, UNPLUG THE LEADS
13. DO NOT MOVE OR PRESSURIZE THE JOINT COMPONENTS BEFORE COOLING TIME HAS COMPLETED

NOTE:  
FOLLOW COUPLER MANUFACTURER'S  
INSTALLATION INSTRUCTIONS

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ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1	-	4" HDPE PIPE DR-17	HDPE BLACK PER ASTM D3350	-	C882
2	1	4" ELECTROFUSION COUPLER	COMPOSITE	02EF0004	C895

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:  
**4" HDPE PIPE TO 4" HDPE PIPE  
ELECTROFUSION COUPLER CONNECTION**

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

**A338**

NO

APPROVED FOR CONSTRUCTION  
DESCRIPTION

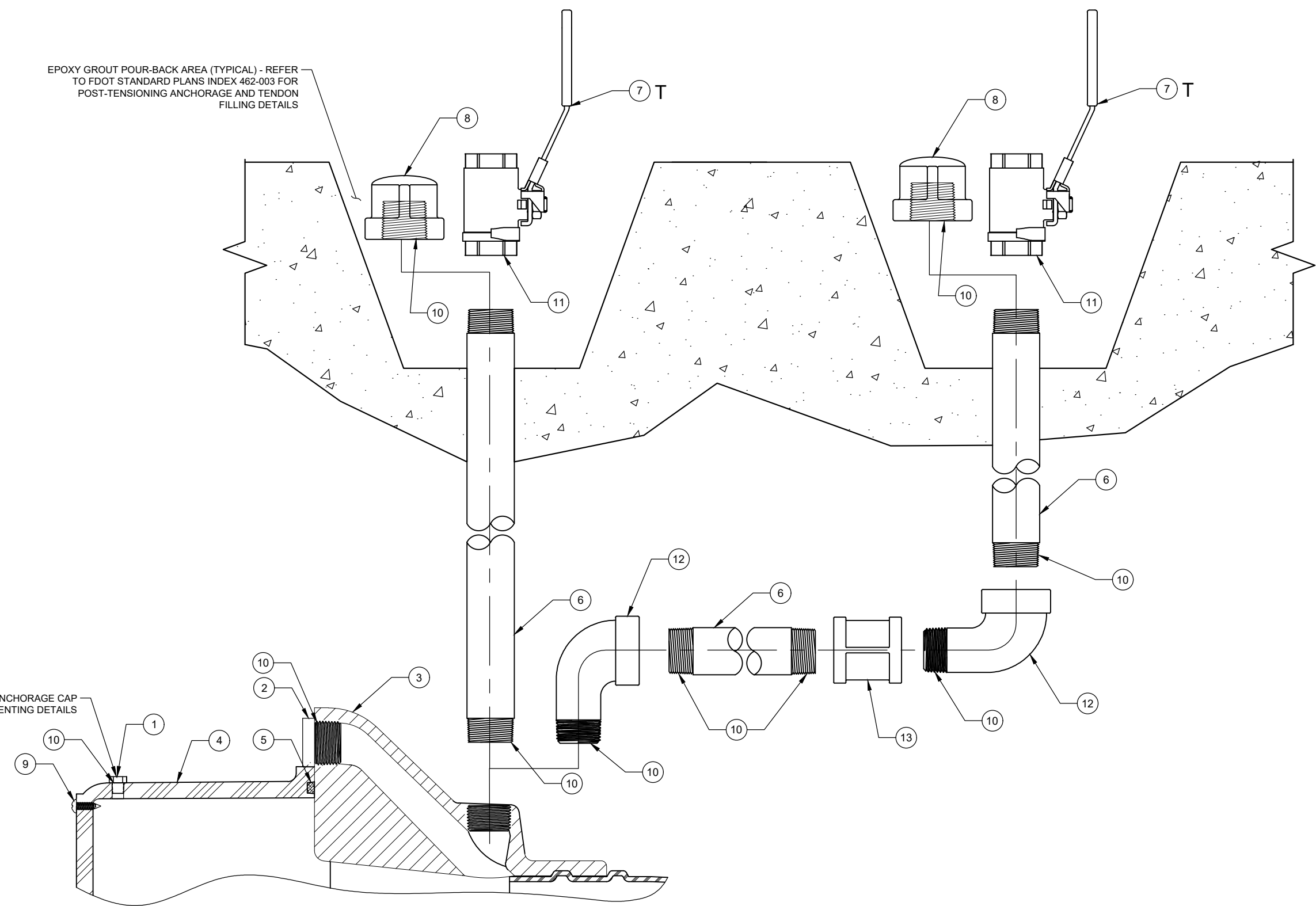
CDL ZX  
BY  
CHK  
DATE  
29JAN2020

**structural TECHNOLOGIES**  
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 CORPORATE OFFICE COLUMBIA, MD 21046  
 PHONE: (410) 850-7000  
 structuraltechnologies.com

ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal

EPOXY GROUT POUR-BACK AREA (TYPICAL) - REFER TO FDOT STANDARD PLANS INDEX 462-003 FOR POST-TENSIONING ANCHORAGE AND TENDON FILLING DETAILS

SEE SHEET A337 FOR ANCHORAGE CAP ALTERNATIVE VENTING DETAILS



ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1	1	1/4" NPT PE PLUG	HDPE BLACK PER ASTM D3350	02DT01919	C693
2	1	1" NPT PP PLUG	BLACK POLYPROPYLENE PER ASTM D4101	02DT01948	C879
3	1	ECI 6-19 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123	CAST IRON GR80-55-06 PER ASTM A536	02BP0038V	C738
4	1	ECI 6-19 ANCHORAGE CAP W/ 1/4" VERT. PORT	ABS LUSTRAN 633 PER ASTM D4673	02GC61903	C740
5	1	ECI 6-19 ANCHORAGE CAP O-RING	BUNA-N 70 D PER FDOT 960 TABLE 2.2.1.7-1	02WX6020	C794
6	1	1" NPT NIPPLE	SCH 40 STEEL	-	C725
7	1	STEEL 1/4 TURN BALL VALVE W/ 1" FNPT	SCH 40 STEEL	02DT01926	C746
8	1	1" NPT PP CAP	BLACK POLYPROPYLENE PER ASTM D4101	02DT01941	C877
9	1	3/16" PAN HEAD SCREW	316 STAINLESS STEEL PER ASTM A240	02WX7001	A337
10	-	BONDUIT	COMMERCIALY AVAILABLE	-	-
11	-	SILICONE GREASE	COMMERCIALY AVAILABLE	-	-
12	2	1" FNPT X MNPT STEEL ELBOW	SCH 40 STEEL	02DT01955	C751
13	1	1" NPT F/F COUPLER	SCH 40 STEEL	02DT01953	C752

- NOTES:
- ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
  - ALL COMPONENTS MUST BE PRESSURE RATED FOR 150 PSI
  - CONCRETE COVER MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2

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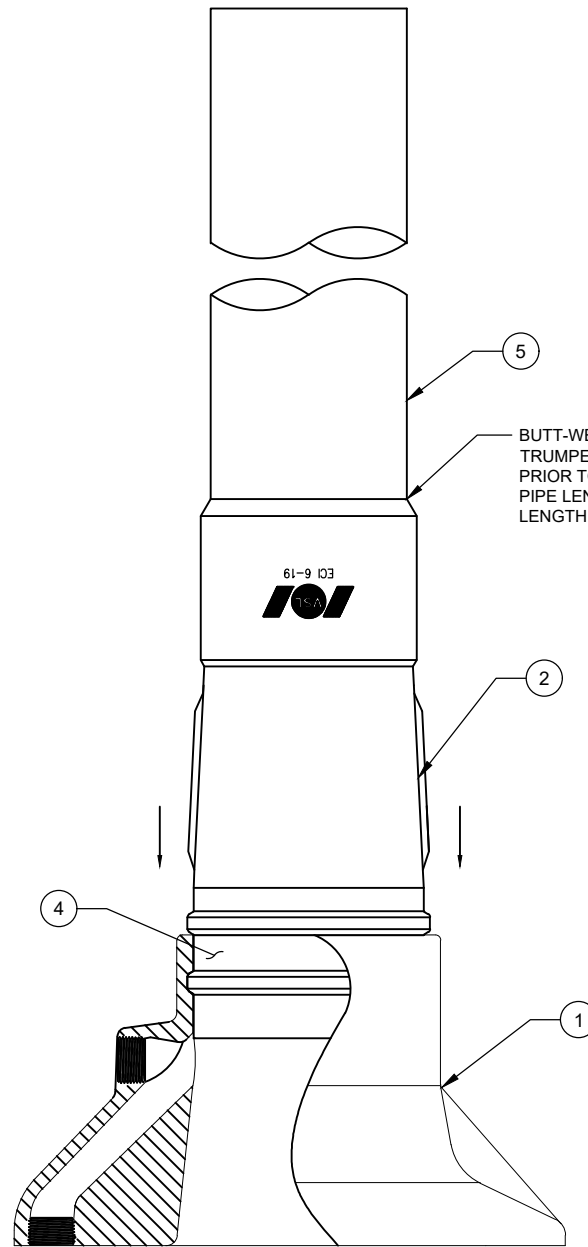
PROJECT INFORMATION:		SYSTEM DRAWING	
		TITLE: ECI 6-19 VERTICAL BEARING PLATE INJECTION OPTIONS	
PROJECT NO:	SYSTEM	SCALE:	NTS
SHEET NO:		A342	

APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
DESCRIPTION	BY	CHK
NO		

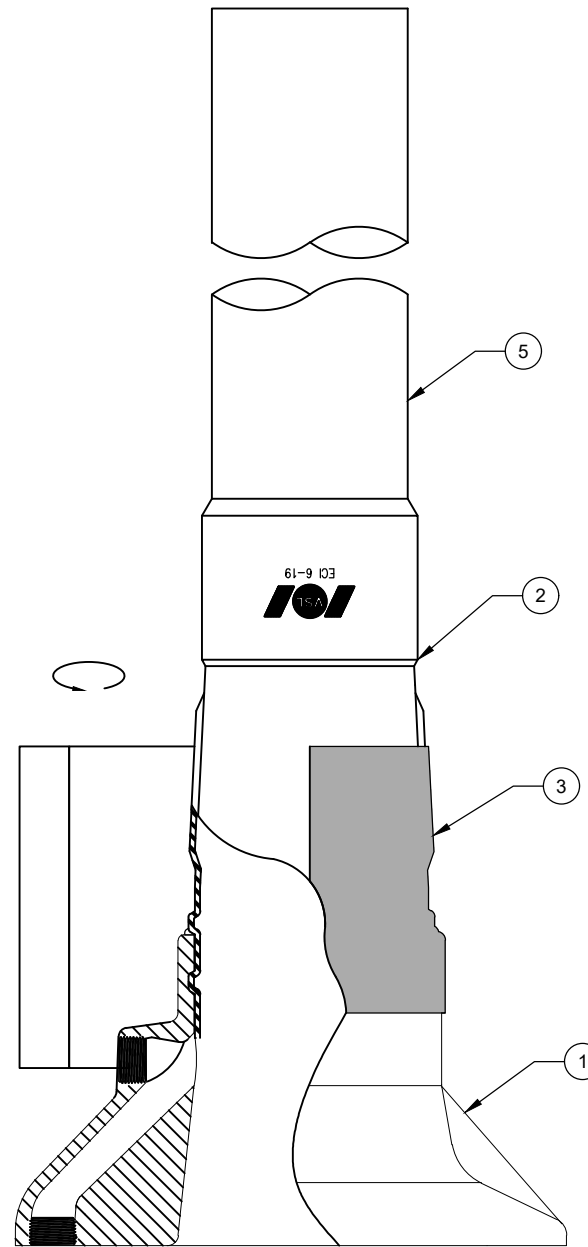
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**STEP 1**

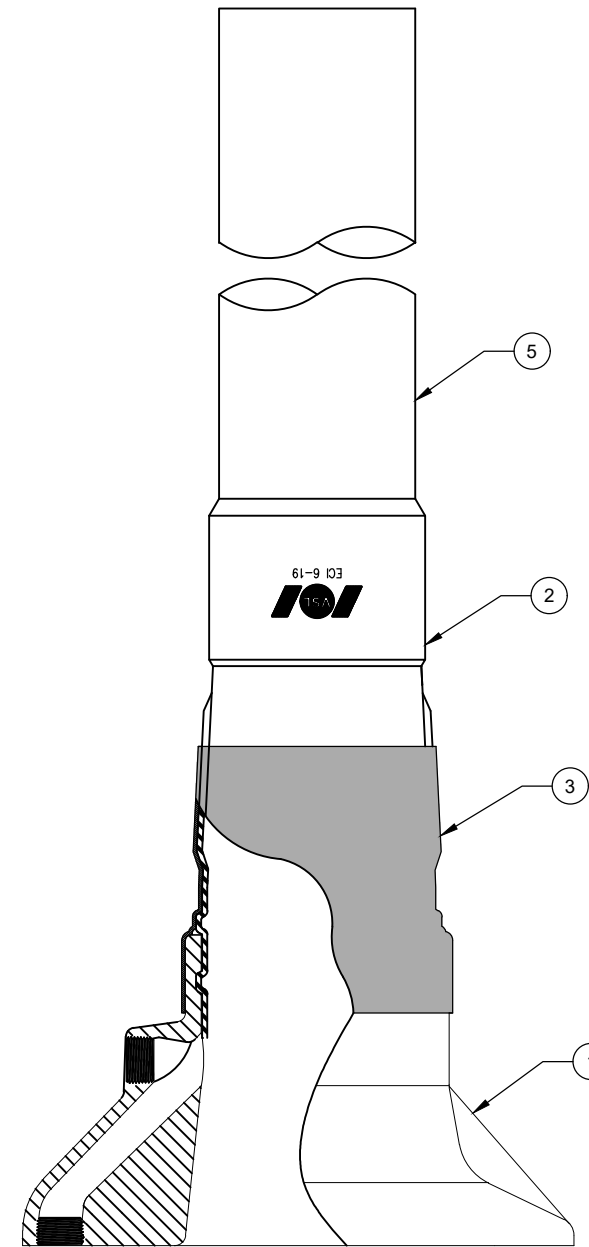
- STEP 1**
- ORIENT BEARING PLATE IN VERTICAL POSITION.
  - INSERT TRUMPET INTO BEARING PLATE, ROTATING UNTIL LOCKED IN PLACE.
  - APPLY BONDUIT AROUND OUTSIDE OF TRUMPET AS SHOWN (1/4" MIN. BEAD).
  - WAIT MIN. 1 HOUR FOR BONDUIT TO SET.

BUTT-WELD HDPE PIPE TO TRUMPET PER SHEET A326 PRIOR TO ASSEMBLY. HDPE PIPE LENGTH TO BE 2'-0" MIN. LENGTH



**STEP 2**

- STEP 2**
- AFTER BONDUIT HAS SET FOR 1 HOUR, WRAP HEAT SHRINK SLEEVE AROUND BEARING PLATE AND TRUMPET AS SHOWN.



**STEP 3**

- STEP 3**
- FOLLOW HEAT SHRINK INSTALLATION INSTRUCTIONS (PROVIDED AS A SEPARATE APPENDIX).

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1	1	ECI 6-19 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123	CAST IRON GR80-55-06 PER ASTM A536	02BP0038V	C738
2	1	ECI 6-19 TRUMPET	HDPE BLACK PER ASTM D3350	02BP4322	C579
3	1	CANUSA KLNN-115 WS BK/L X 9" HEAT SHRINK SLEEVE	POLYOLEFIN PER TABLE 960 2.2.1.8-1	02DT0514	C763
4	-	BONDUIT	COMMERCIALY AVAILABLE	-	-
5	1	4" DR-17 PIPE	HDPE BLACK PER ASTM D3350	-	C882B

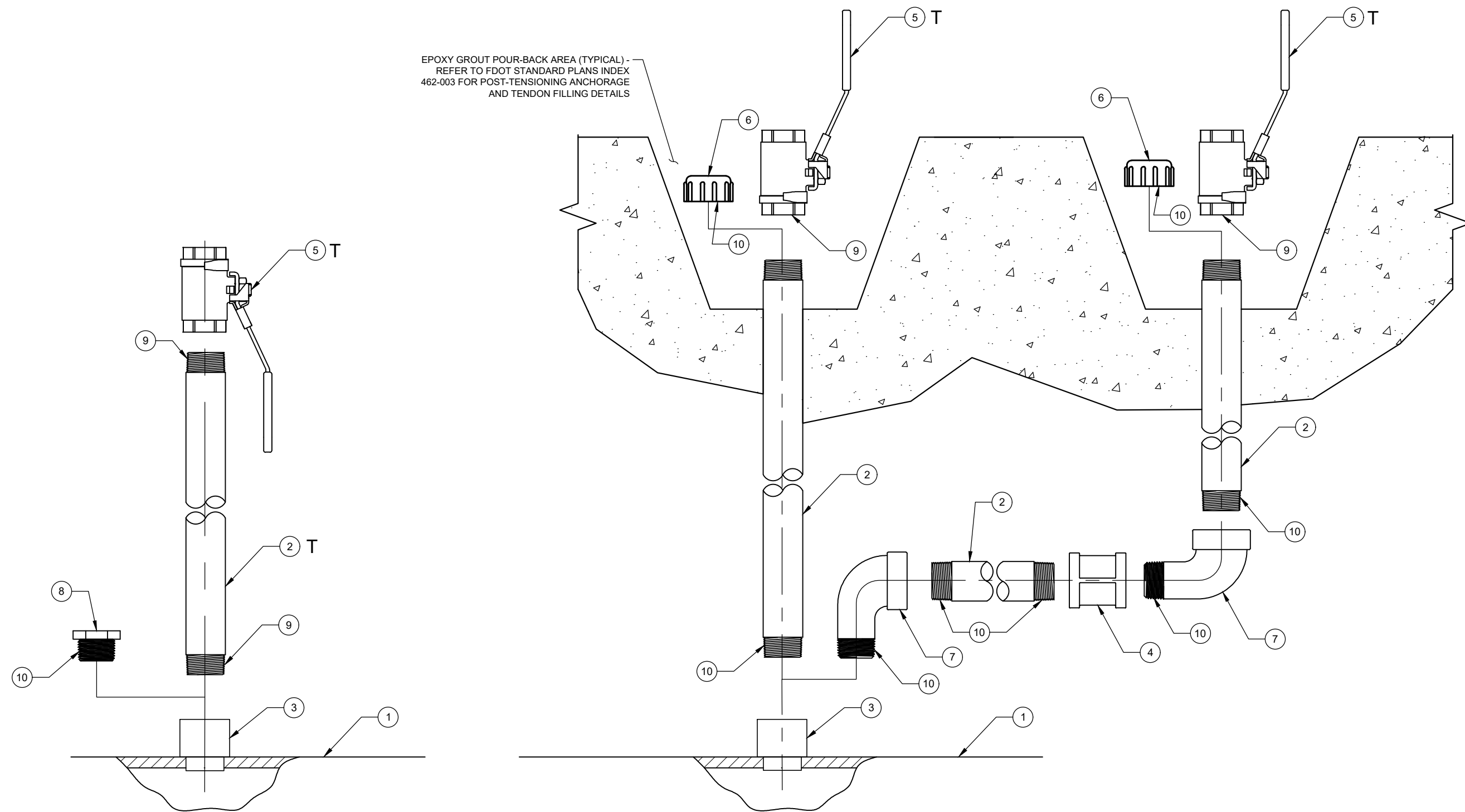
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SYSTEM DRAWING		BY CHK DATE
PROJECT INFORMATION: EC16-19 HEAT SHRINK SLEEVE ASSEMBLY		DESCRIPTION NO
PROJECT NO: SYSTEM	SCALE: NTS	SHEET NO: A348



ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



EPOXY GROUT POUR-BACK AREA (TYPICAL) - REFER TO FDOT STANDARD PLANS INDEX 462-003 FOR POST-TENSIONING ANCHORAGE AND TENDON FILLING DETAILS

**EXTERNAL OPTION**

**INTERNAL OPTION**

**3/4" FNPT SMOOTH GROUT PORT INSTALLATION**

1. CLEAN PIPE PRIOR TO GROUT PORT INSTALLATION.
2. DRILL Ø7/8" HOLE INTO PIPE.
3. CONNECT THE SOCKET WELDING DEVICE TO THE POWER SOURCE.
4. ALLOW THE SOCKET WELDING DEVICE TO REACH ITS WORKING TEMPERATURE.
5. SIMULTANEOUSLY, INSERT MALE ADAPTER OF SOCKET WELDING DEVICE FROM DRILLED HOLE AND GROUT PORT FROM FEMALE ADAPTER.
6. APPLY LIGHT PRESSURE FOR 20-25 SECONDS BY PUSHING THE GROUT PORT WITH THE PALM OF HAND.
7. SIMULTANEOUSLY, REMOVE SOCKET WELDING DEVICE FROM DRILLED HOLE AND GROUT PORT FROM FEMALE ADAPTER.
8. INSERT GROUT PORT INTO HOLE UNTIL THE SHOULDER IS REACHED.
9. THIS OPERATION SHOULD BE CARRIED OUT AS QUICKLY AND CAREFULLY AS POSSIBLE, WITHIN 5 SECONDS. FIRMLY HOLD THE PIECES TOGETHER FOR A MINIMUM OF 10 SECONDS.

**NOTES**

1. ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
2. THIS ASSEMBLY CAN BE APPLIED IN ANY REQUIRED ORIENTATION TO CREATE EITHER A VENT OR A DRAIN.
3. ALL COMPONENTS MUST BE PRESSURE RATED FOR 150 PSI.
4. CONCRETE COVER MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2

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ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1	-	DR-17 PIPE (SIZE VARIES)	HDPE BLACK PER ASTM D3350	-	C882A-C
2	1	3/4" NPT STEEL NIPPLE	SCH 40 STEEL	-	C722
3	1	3/4" FNPT SMOOTH GROUT PORT	HDPE YELLOW PER ASTM D3350	02DT0253	C743
4	1	3/4" NPT F/F COUPLER	SCH 40 STEEL	02DT01952	C728
5	1	STEEL 1/4 TURN BALL VALVE W/ 3/4" FNPT	SCH 40 STEEL	02DT01925	C745
6	1	RIBBED CAP 3/4" FNPT	BLACK POLYPROPYLENE PER ASTM D4101	02DT01912	C701
7	2	3/4" FNPT X MNPT STEEL ELBOW	SCH 40 STEEL	02DT01954	C750
8	1	3/4" NPT PE PLUG	HDPE BLACK PER ASTM D3350	02DT01913	C787
9	-	SILICONE GREASE	-	-	-
10	-	BONDUIT	-	-	-

APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
DESCRIPTION	BY	CHK
NO		DATE

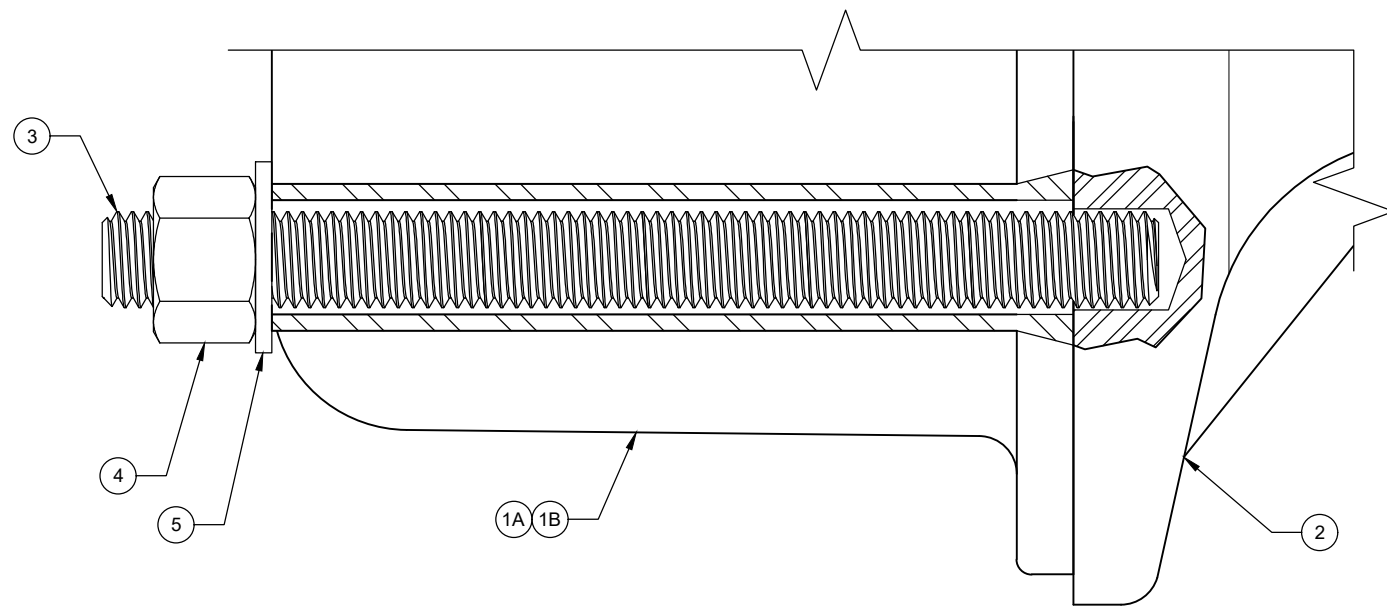
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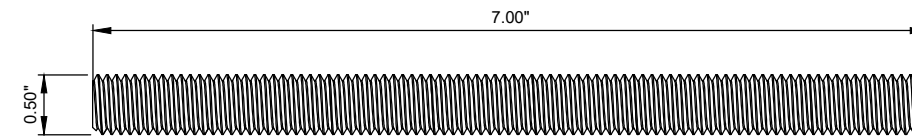
PHONE: (410) 850-7000  
 structuraltechnologies.com

PROJECT INFORMATION:	SYSTEM DRAWING
TITLE:	FLEXIBLE FILLER INJECTION/VENT CONFIGURATION
PROJECT NO:	SYSTEM
SHEET NO:	NTS
	<b>A439</b>

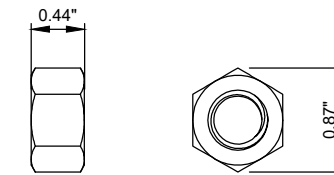
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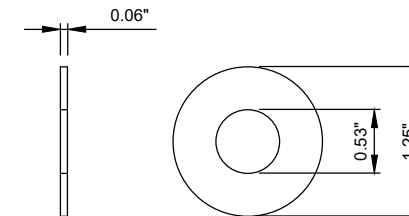
**CAP TO BEARING PLATE BOLTED ASSEMBLY**



**③ 1/2"-13 THREADED ROD**



**④ 1/2"-13 NUT**



**⑤ 1/2" WASHER**

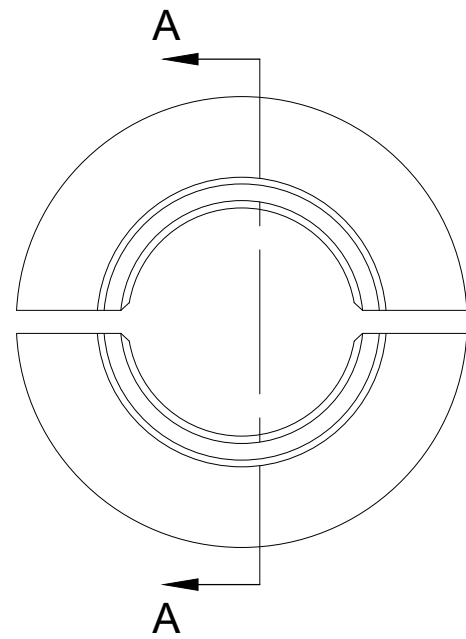
ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY #	DWG #
1A	1	ECI 6-19 ANCHORAGE CAP W/ 1/4" NPT HORIZONTAL PORT	ABS PER ASTM D4673	02GC61902	C549
1B	1	ECI 6-19 ANCHORAGE CAP W/ 1/4" NPT VERTICAL PORT	ABS PER ASTM D4673	02GC61903	C740
2	1	ECI 6-19 BEARING PLATE W/ 1" NTP PORT GALVANIZED PER ASTM A123	IRON GR80-55-06 PER ASTM A536	02BP6038V	C738
3	1 SET	1/2"-13 THREADED ROD X 7"	(316L) STAINLESS PER ASTM F593	02WX5033D	A441
4	1 SET	1/2"-13 NUT	(316L) STAINLESS PER ASTM A240	02WX5033D	A441
5	1 SET	1/2" WASHER	(316L) STAINLESS PER ASTM A240	02WX5033D	A441

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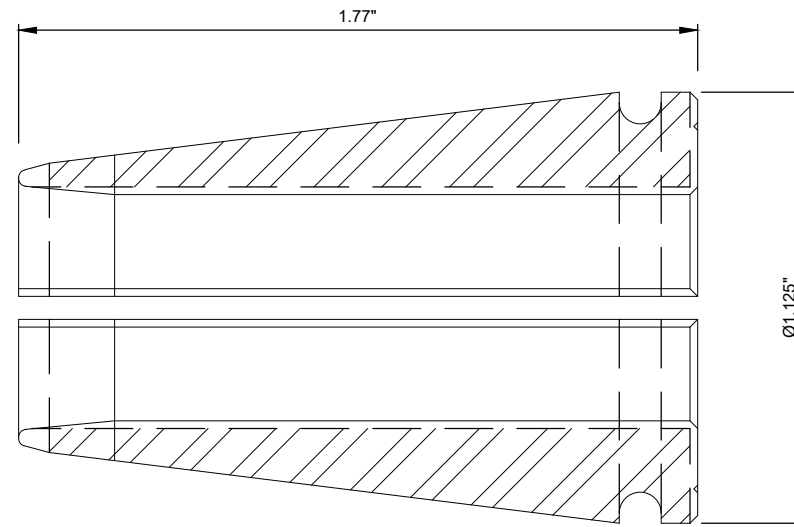
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<b>SYSTEM DRAWING</b>	<b>ECI 6-19 BOLT ASSEMBLY</b>
PROJECT NO: <b>SYSTEM</b>	SCALE: <b>NTS</b>
SHEET NO: <b>A441</b>	DATE <b>29JAN2020</b>
APPROVED FOR CONSTRUCTION	BY <b>CDL ZX</b>
NO	DESCRIPTION <b>CHK</b>

ELECTRONIC FILE LOCATION: I:\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Strand



**0.6" DIA. MULTIWEDGES  
TYPE 1.6G**



**SECTION A-A**

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DESCRIPTION	MATERIAL	INVENTORY #
0.6" MULTIWEDGE TYPE 1.6G	AISI 11-L-17/12L14 PER ASTM A108, PRODUCED IN STRICT ACCORDANCE WITH VSL MS 3.1.006, CASE HARDENED	02WG0008

PROJECT INFORMATION:

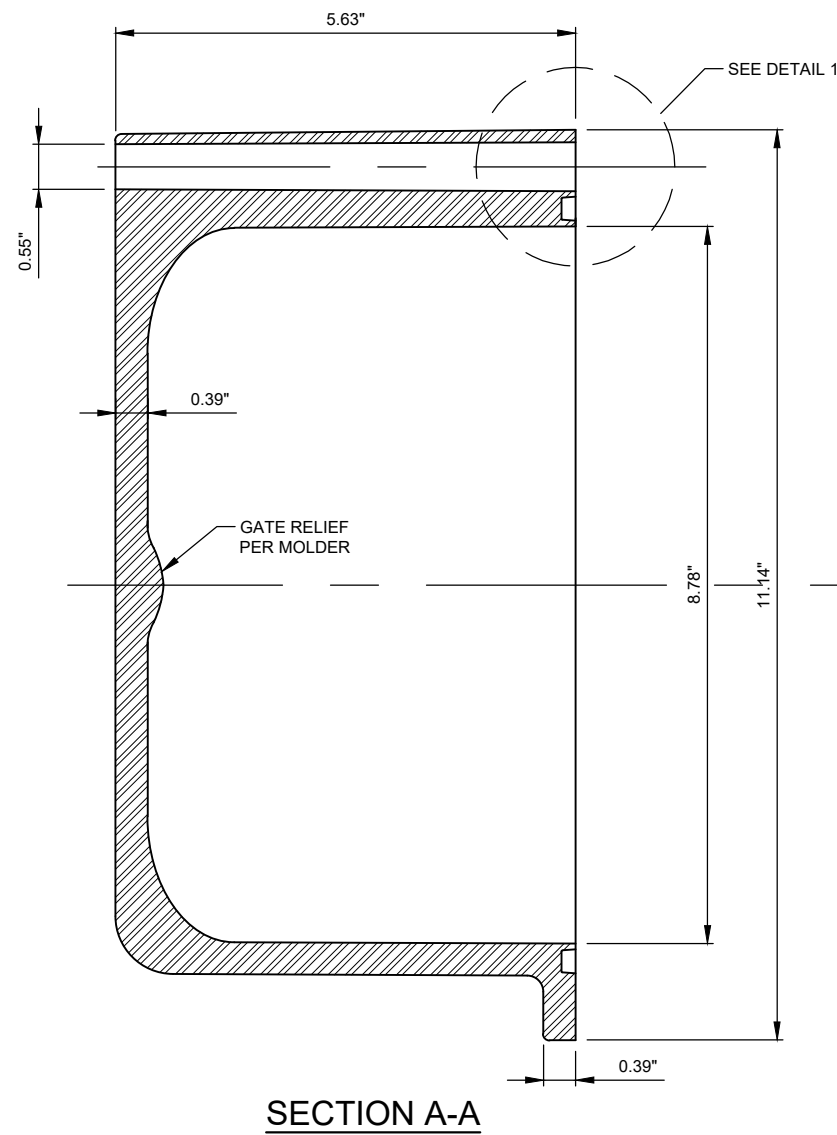
PROJECT NO:	SYSTEM
SHEET NO:	C218
TITLE:	0.6" MULTIWEDGE TYPE 1.6G

NO	APPROVED FOR CONSTRUCTION
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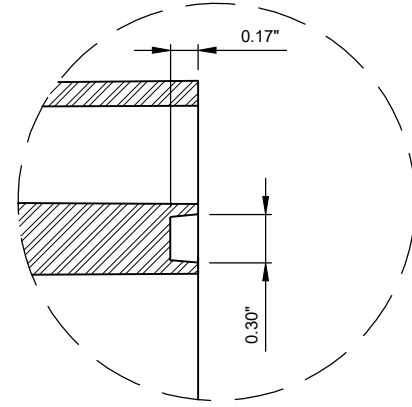
BY	CDL ZX	DATE	29JAN2020
DESCRIPTION	APPROVED FOR CONSTRUCTION	CHK	

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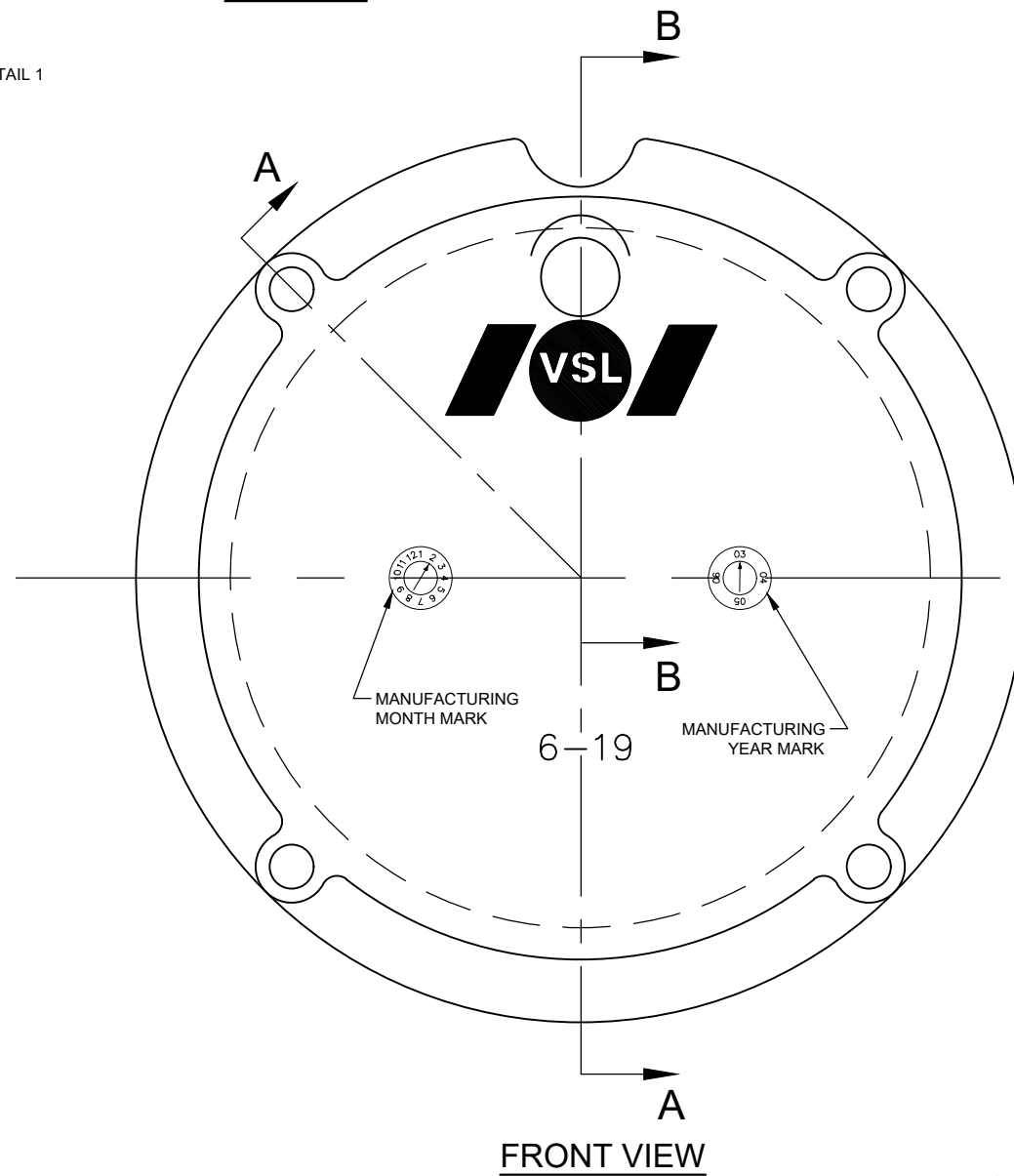
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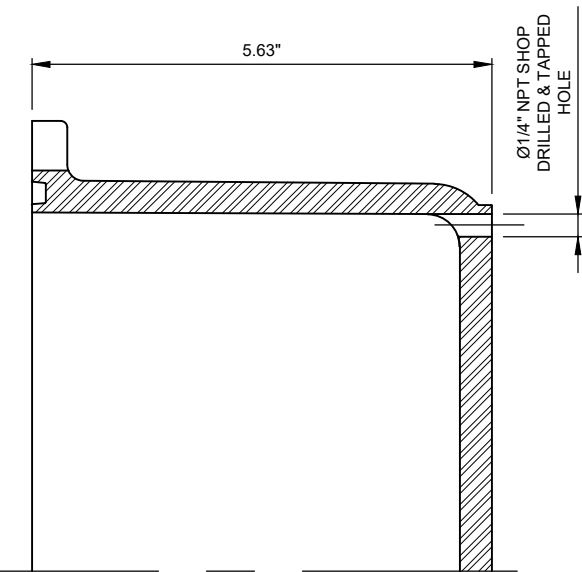
**SECTION A-A**



**DETAIL 1**



**FRONT VIEW**



**SECTION B-B**

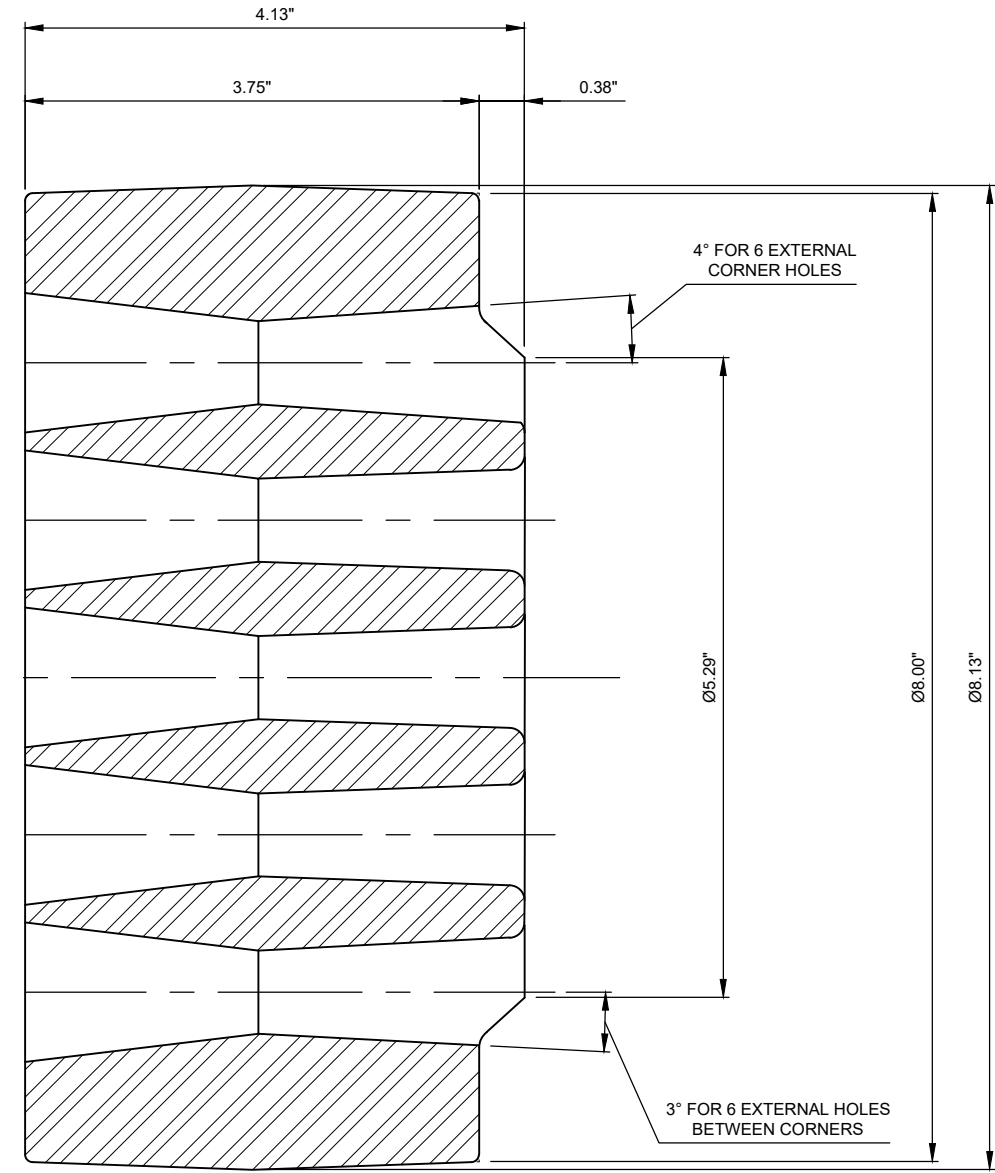
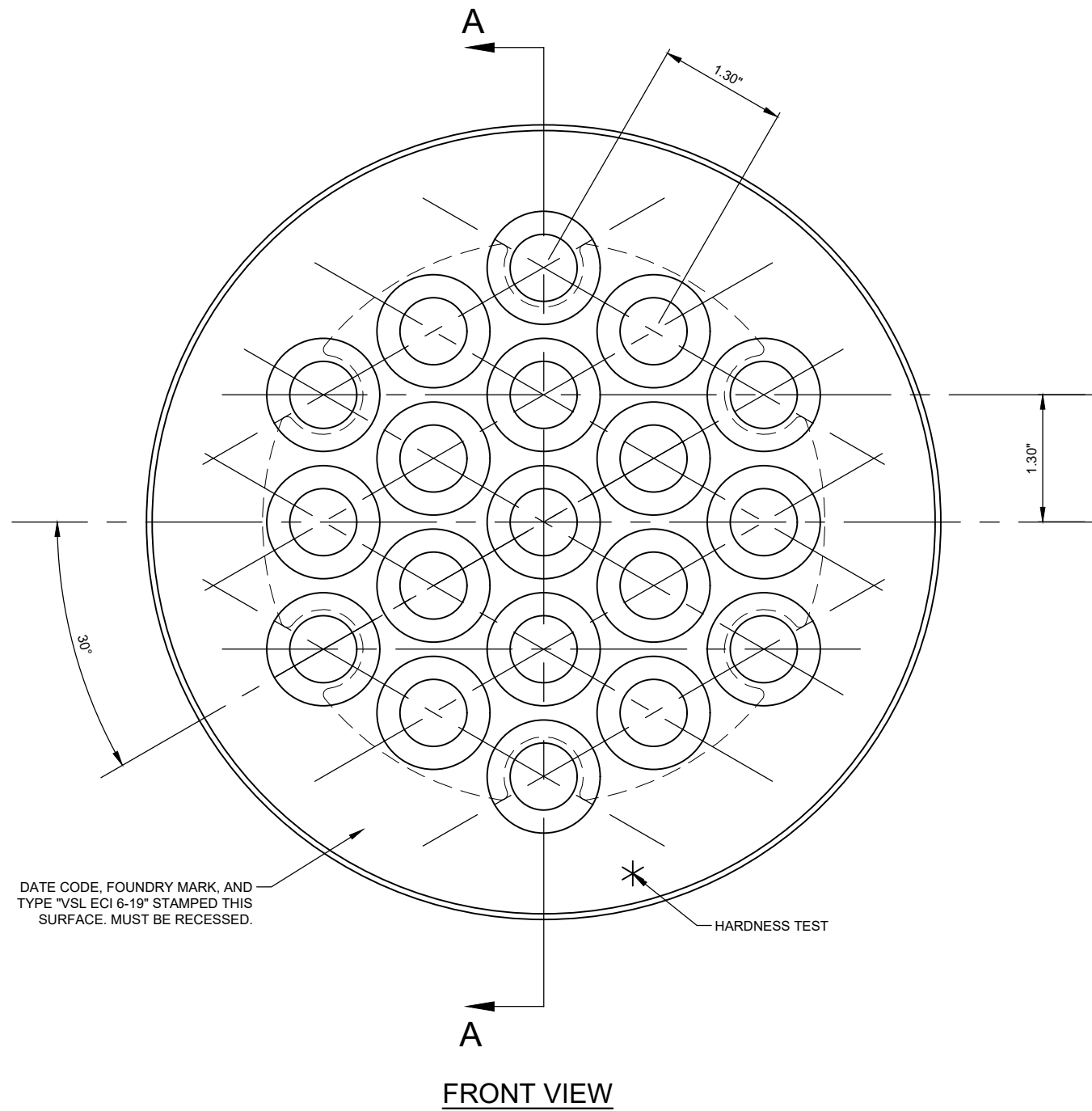
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DESCRIPTION	MATERIAL	INVENTORY #
ECI 6-19 ANCHORAGE CAP W/ 1/4" HORIZONTAL PORT	ABS LUSTRAN 633 PER ASTM D4673	02GC61902

<p style="font-size: 8px; margin: 0;">Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL                  STRUCTURAL TECHNOLOGIES, LLC    10150 OLD COLUMBIA RD                  COLUMBIA, MD 21046</p>		APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
		NO	BY	DATE
PROJECT INFORMATION: <b>SYSTEM DRAWING</b>		TITLE: <b>ECI 6-19 ANCHORAGE CAP W/ 1/4" NPT HORIZONTAL PORT</b>		
PROJECT NO: <b>SYSTEM</b>		SCALE: <b>NTS</b>		
SHEET NO: <b>C549</b>				

ELECTRONIC FILE LOCATION: I:\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



**SECTION A-A**

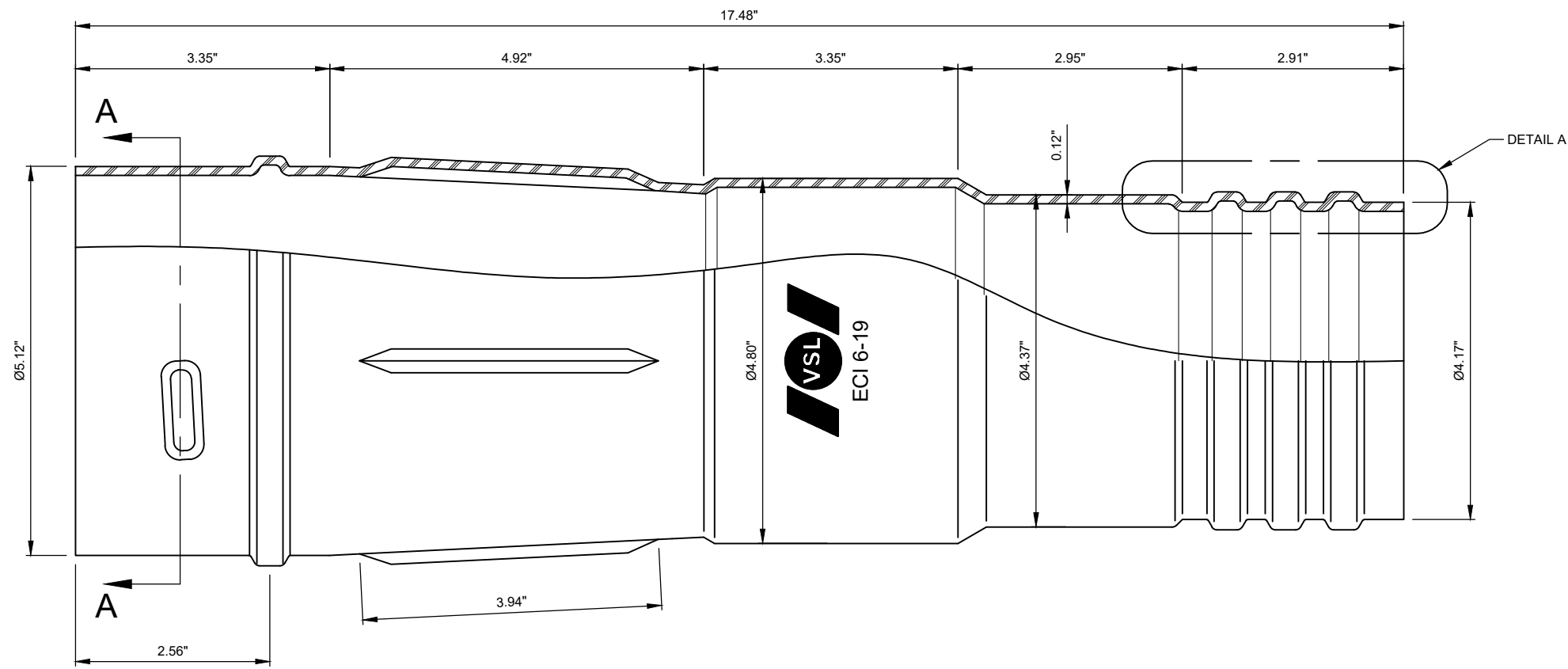
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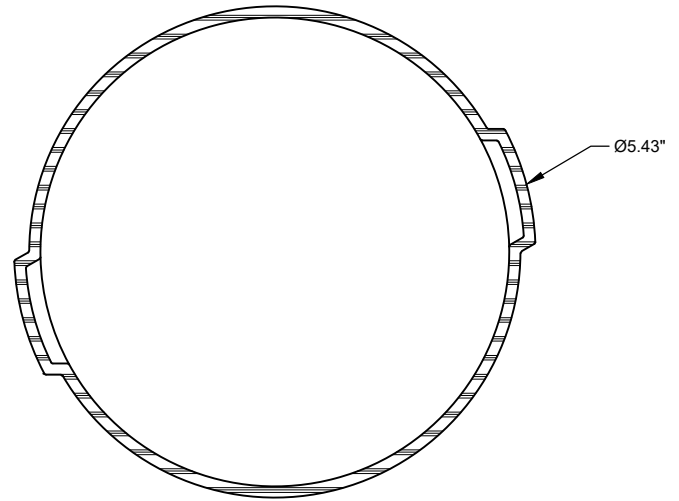
DESCRIPTION	MATERIAL	INVENTORY #
ECI 6-19 ANCHOR HEAD	IRON GR 80-55-06 PER ASTM A536	02AH0038

<b>structural TECHNOLOGIES</b>		Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL STRUCTURAL TECHNOLOGIES, LLC    10150 OLD COLUMBIA RD CORPORATE OFFICE    COLUMBIA, MD 21046		PHONE: (410) 850-7000 structuraltechnologies.com	
PROJECT INFORMATION:		SYSTEM DRAWING		ECI 6-19 ANCHOR HEAD	
PROJECT NO: SYSTEM		SCALE: NTS		TITLE: ECI 6-19 ANCHOR HEAD	
SHEET NO: C557		APPROVED FOR CONSTRUCTION		DESCRIPTION	
		CDL ZX		BY CHK	
		29JAN2020		DATE	

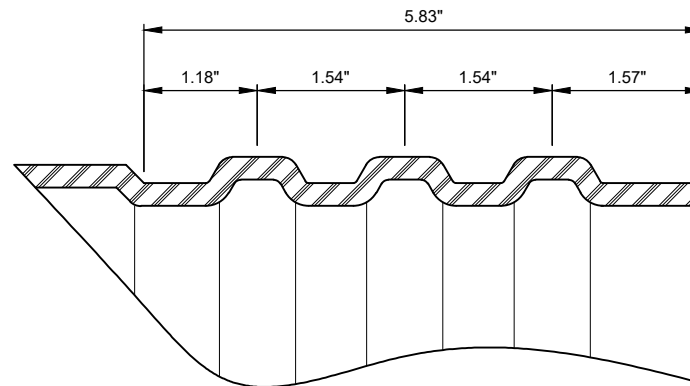
ELECTRONIC FILE LOCATION: I:\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



**SIDE VIEW**



**SECTION A-A**



**DETAIL A**

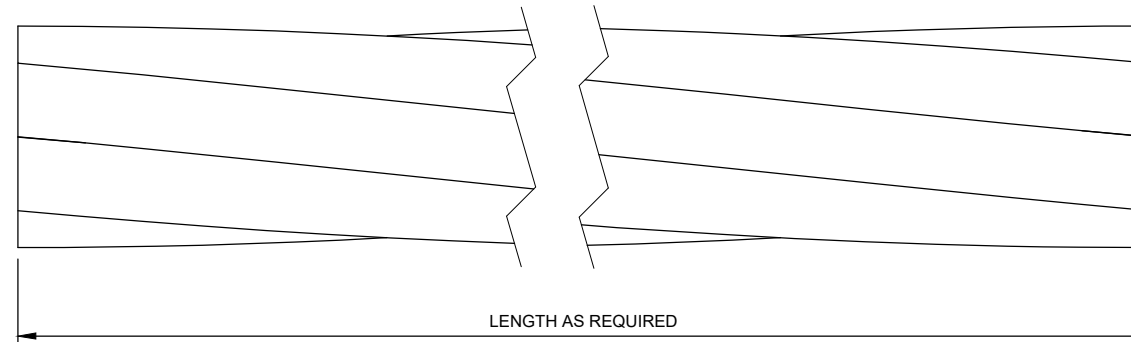
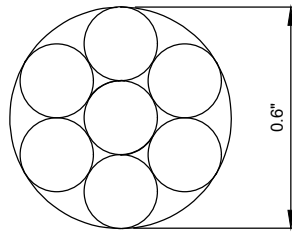
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DESCRIPTION	MATERIAL	INVENTORY #
ECI 6-19 TRUMPET	HDPE BLACK PER ASTM D3350	02BP4322

PROJECT INFORMATION:		PROJECT NO:	SYSTEM	SHEET NO:	C579
TITLE:		ECI 6-19 TRUMPET			
PROJECT INFORMATION:		SCALE:	NTS		
PROJECT INFORMATION:		APPROVED FOR CONSTRUCTION	CDL ZX	BY	CHK
PROJECT INFORMATION:		DESCRIPTION	NO		
PROJECT INFORMATION:		DATE	29JAN2020		
PROJECT INFORMATION:		<p><b>structural TECHNOLOGIES</b>                  Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL                  STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD                  COLUMBIA, MD 21046                  PHONE: (410) 850-7000                  structuraltechnologies.com</p>			

ELECTRONIC FILE LOCATION: I:\VSL\_System Drawings\Work In Progress Drawings\Florida DOT\_Test 2017\Strand



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DESCRIPTION	MATERIAL	INVENTORY #
VSL POST TENSIONING 0.6" BARE STRAND	LOW-RELAXATION STEEL, SEVEN WIRE STRAND PER ASTM A416, 270KSI	VA02SD0013

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:  
VSL POST TENSIONING 0.6" BARE STRAND  
ASTM A416, 270KSI

PROJECT NO:  
SYSTEM

SCALE:  
NTS

SHEET NO:

C674

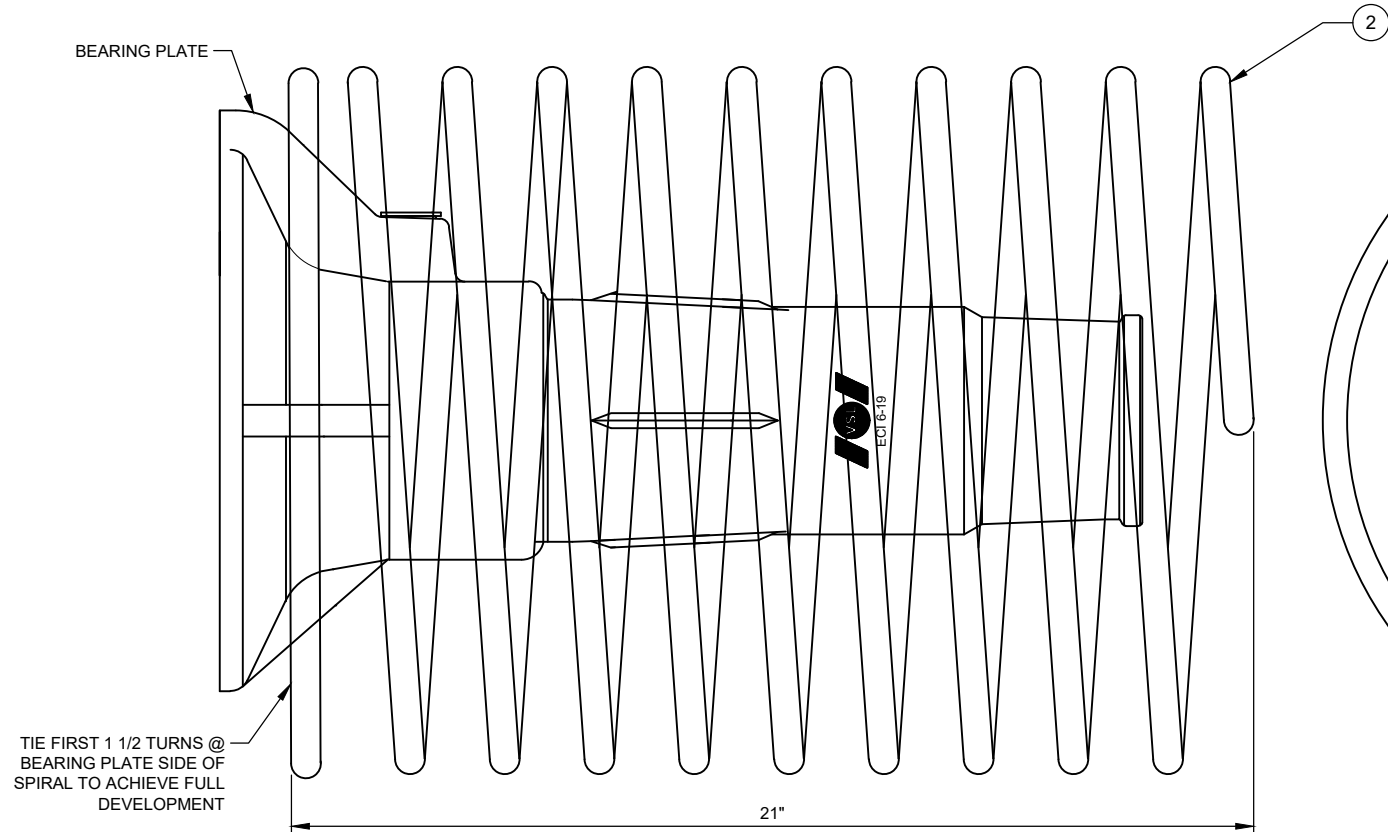
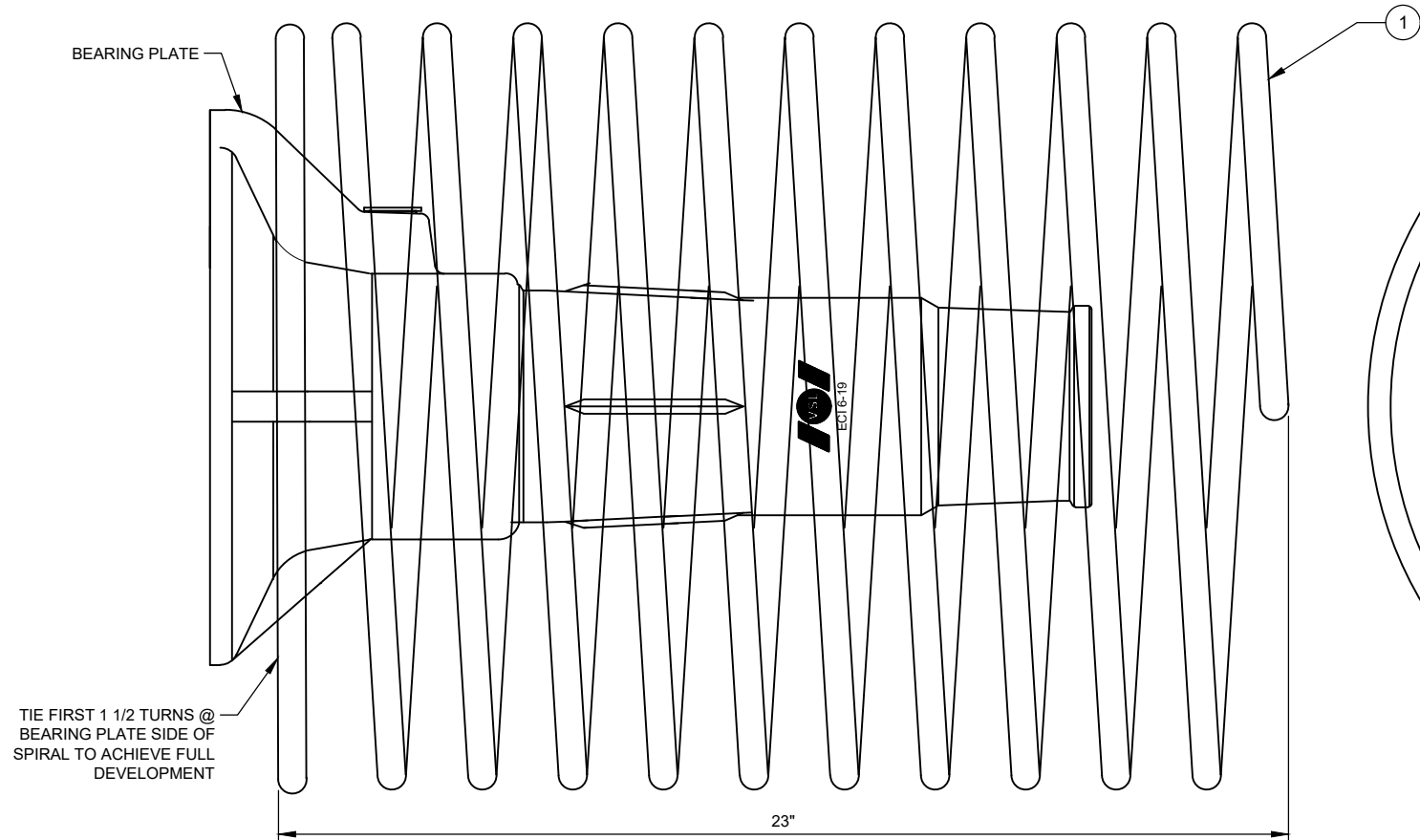
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STRUCTURAL TECHNOLOGIES, LLC    10150 OLD COLUMBIA RD    PHONE: (410) 860-7000  
CORPORATE OFFICE    COLUMBIA, MD 21046    structuraltechnologies.com

NO	NO	APPROVED FOR CONSTRUCTION	BY	CHK	DATE
NO	NO	APPROVED FOR CONSTRUCTION	CDL	ZX	29JAN2020
		DESCRIPTION			

ELECTRONIC FILE LOCATION: I:\VSI\_System Drawings\Work In Progress Drawings\Florida DOT\_Test 2017\ECI 6-19 Flexible Filler Submittal



ITEM	DESCRIPTION	MATERIAL	INVENTORY #
1	ECI 6-19 SPIRAL #3500 (#5, DIA. 17", 2" PITCH, 11 1/2 TURNS)	STEEL GR60 PER ASTM A615	02BP0093
2	ECI 6-19 SPIRAL #5500 (#5, DIA. 15", 2" PITCH, 10 1/2 TURNS)	STEEL GR60 PER ASTM A615	02BP0094

NOTE:  
 1. THESE SPIRALS ARE TO BE IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS AND CONTRACT DRAWINGS  
 2. CONCRETE STRENGTH SHOWN IN SPIRAL NAME AS #XXXX WHERE # = PSI

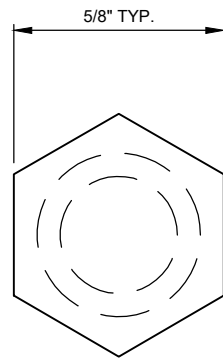
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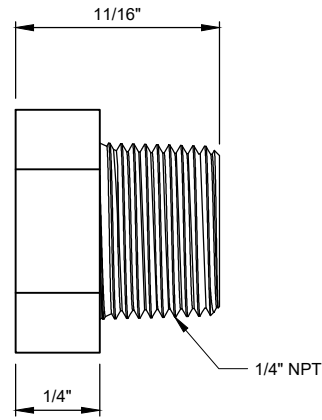
<p><b>structural TECHNOLOGIES</b>                  Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL                  STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD COLUMBIA, MD 21046                  PHONE: (410) 860-7000                  structuraltechnologies.com</p>		APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
		NO	BY	DATE
<p>PROJECT INFORMATION:</p>		<p>DESCRIPTION</p>		
<p>SYSTEM DRAWING</p>		<p>ECI 6-19 SPIRALS</p>		
<p>PROJECT NO: SYSTEM</p>		<p>SCALE: NTS</p>		
<p>SHEET NO: C679</p>		<p>DATE</p>		



ELECTRONIC FILE LOCATION: I:\S1\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



**FRONT VIEW**



**SIDE VIEW**

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

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DESCRIPTION	MATERIAL	INVENTORY #
1/4" NPT PE PLUG	HDPE BLACK PER ASTM D3350	02DT01919

PROJECT INFORMATION:

SYSTEM DRAWING

1/4" NPT PE PLUG

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

C693

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CDL ZX

CHK

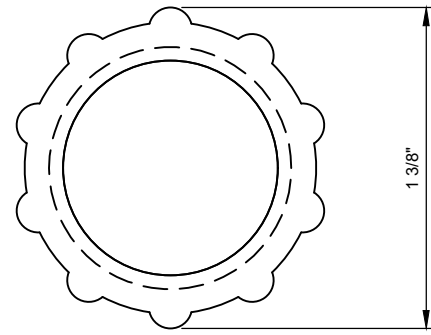
DATE

29JAN2020

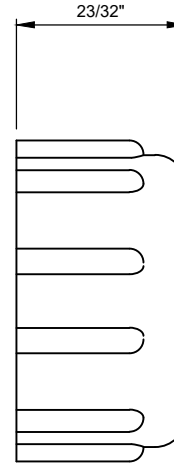
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 CORPORATE OFFICE COLUMBIA, MD 21046  
 PHONE: (410) 850-7000  
 structuraltechnologies.com

ELECTRONIC FILE LOCATION: I:\VSI\_System Drawings\Work In Progress Drawings\Florida DOT\_Test 2017\Grouting Accessories



TOP VIEW



SIDE VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

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DESCRIPTION	MATERIAL	INVENTORY #
RIBBED CAP W/ 3/4" FNPT	BLACK POLYPROPYLENE PER ASTM D4101	02DT01912

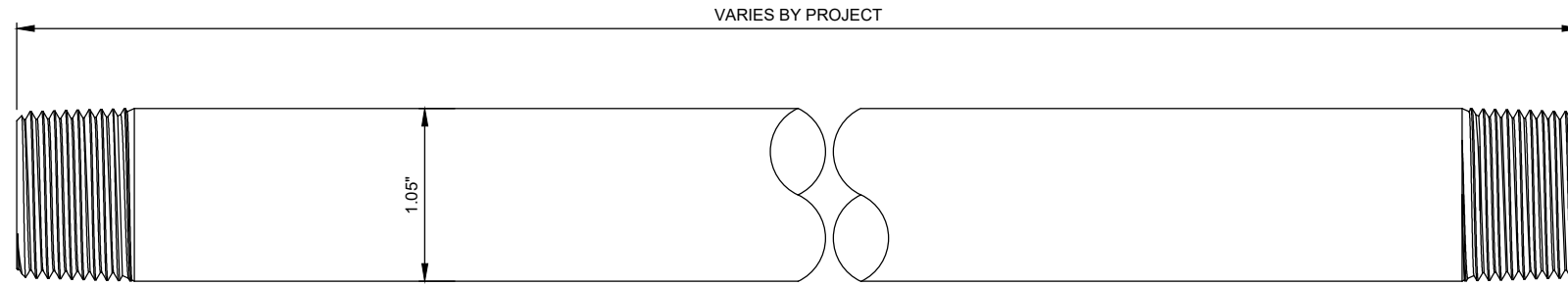
PROJECT INFORMATION:

PROJECT NO:	SYSTEM
SHEET NO:	C701
TITLE:	RIBBED CAP W/ 3/4" FNPT
SCALE:	NTS

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 PHONE: (410) 860-7000  
 structuraltechnologies.com

NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	CHK
			DATE

ELECTRONIC FILE LOCATION: I:\VSI\_System Drawings\Work In Progress Drawings\Florida DOT\_Test 2017\Flexible Filler Accessories



SIDE VIEW

DESCRIPTION	MATERIAL	INVENTORY #
3/4" NPT NIPPLE	SCH 40 STEEL	-

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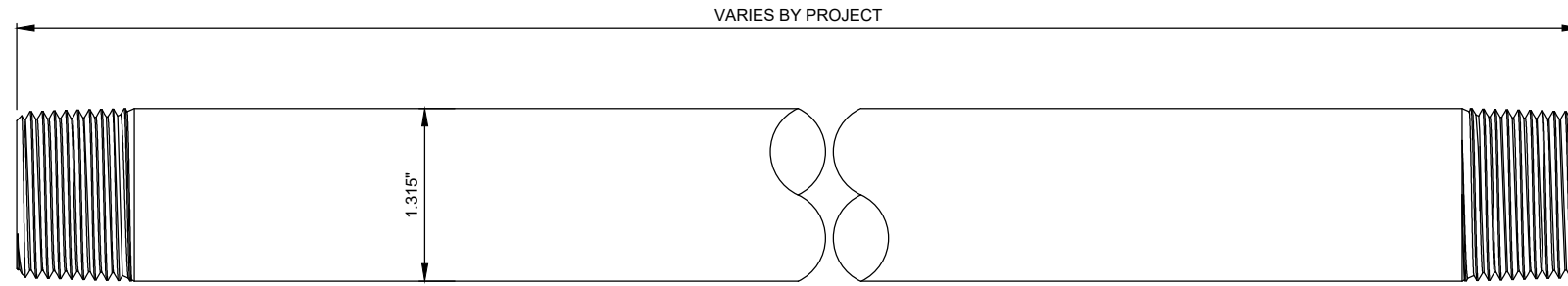
PROJECT INFORMATION:

PROJECT NO:	SYSTEM
SHEET NO:	C722
TITLE:	3/4" NPT STEEL NIPPLE

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NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	DATE

ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



SIDE VIEW

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DESCRIPTION	MATERIAL	INVENTORY #
1" NPT STEEL NIPPLE	SCH 40 STEEL	-

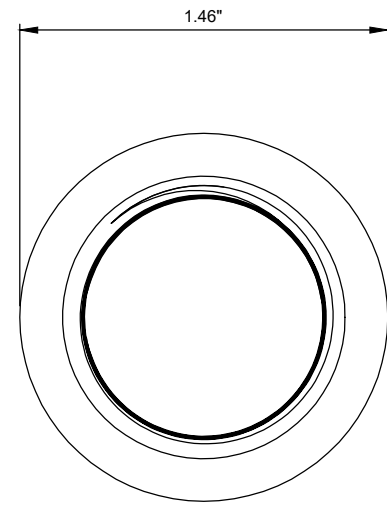
PROJECT INFORMATION:

PROJECT NO:	SYSTEM
SHEET NO:	C725
TITLE:	1" NPT STEEL NIPPLE
SCALE:	NTS

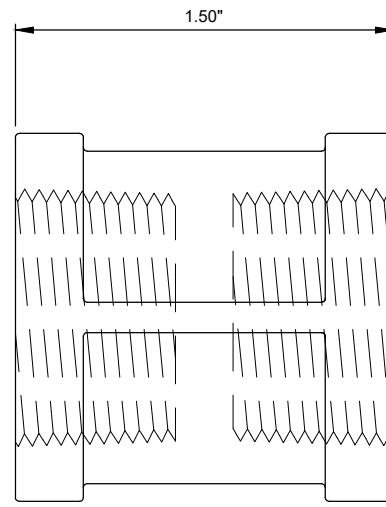
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 CORPORATE OFFICE COLUMBIA, MD 21046  
 PHONE: (410) 850-7000  
 structuraltechnologies.com

NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	CHK
			DATE

ELECTRONIC FILE LOCATION: I:\S1\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



END VIEW



SIDE VIEW

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DESCRIPTION	MATERIAL	INVENTORY #
3/4" NPT F/F COUPLER	SCH 40 STEEL	02DT01952

PROJECT INFORMATION:

SYSTEM DRAWING

3/4" NPT F/F COUPLER

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

C728

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CDL ZX

CHK

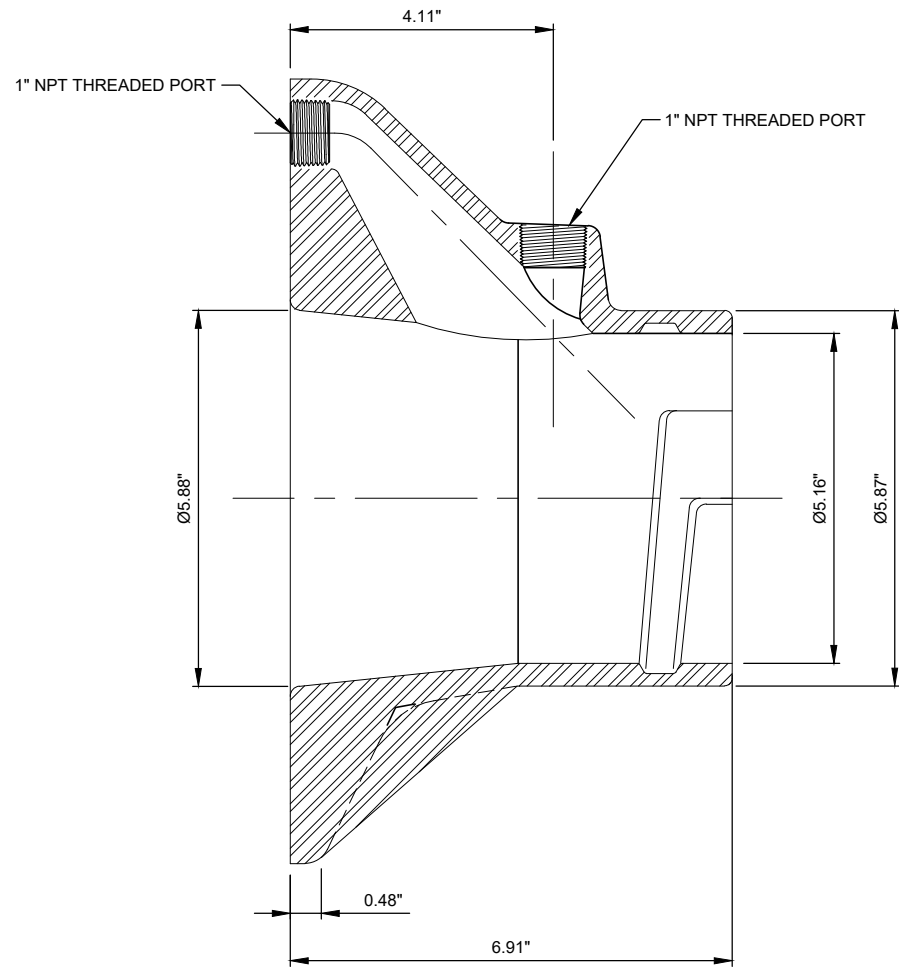
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29JAN2020

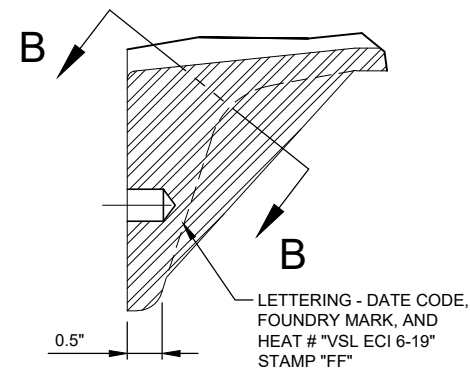
**structural  
TECHNOLOGIES**

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 STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD  
 CORPORATE OFFICE COLUMBIA, MD 21046  
 PHONE: (410) 850-7000  
 structuraltechnologies.com

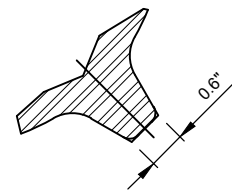
ELECTRONIC FILE LOCATION: I:\VSL\_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



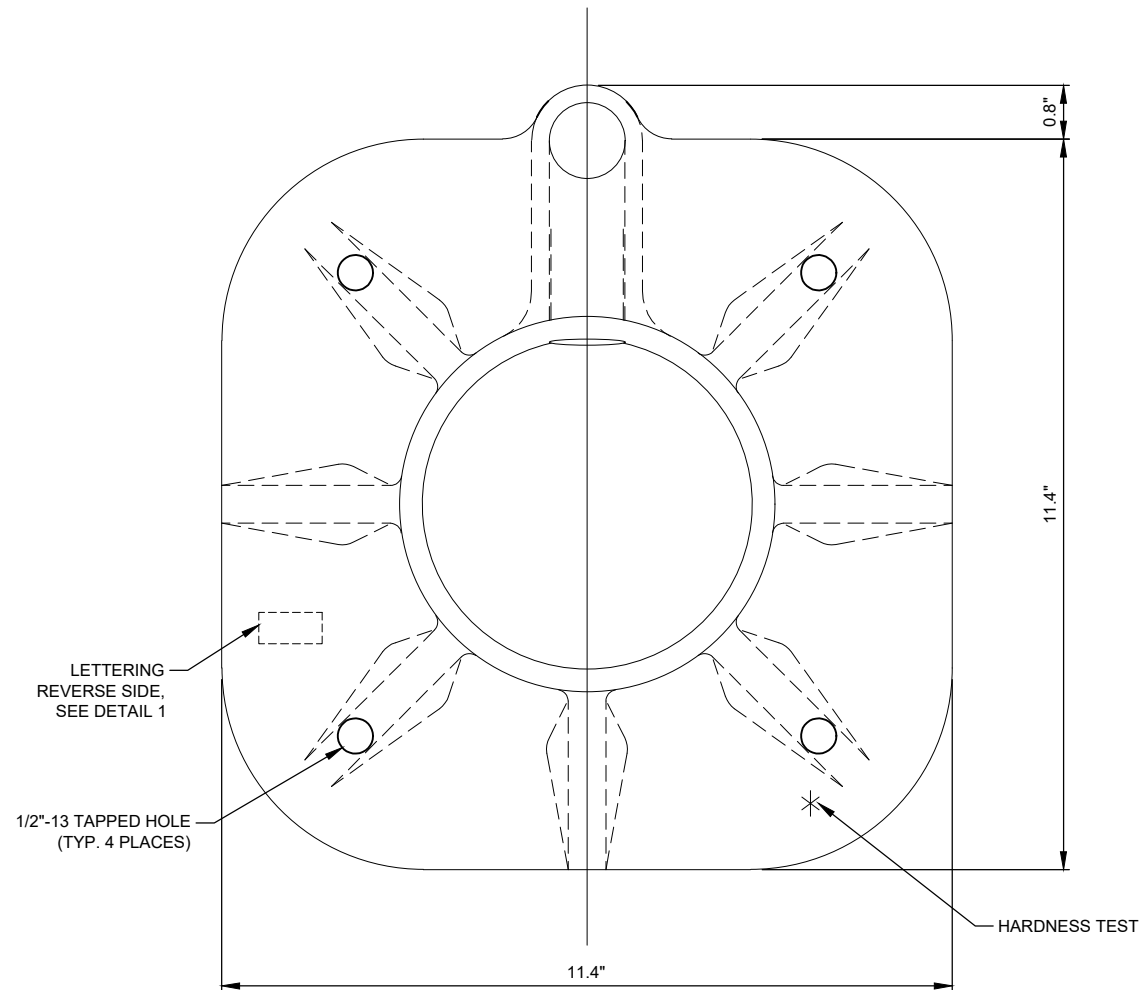
**SECTION A-A**



**DETAIL 1**



**SECTION B-B**



**BACK VIEW**

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DESCRIPTION	MATERIAL	INVENTORY #
ECI 6-19 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123	CAST IRON GR80-55-06 PER ASTM A536	02BP0038V

NO	APPROVED FOR CONSTRUCTION	CDL ZX	18FEB2020
	DESCRIPTION	BY	DATE

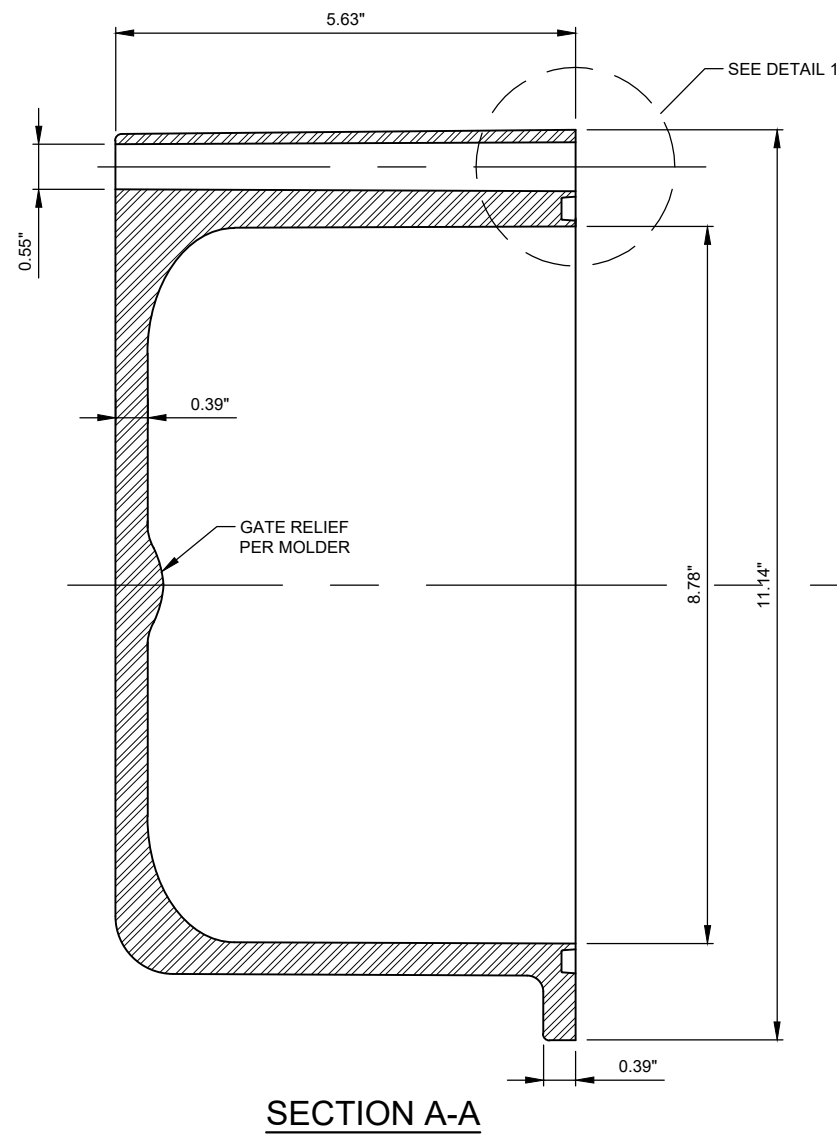
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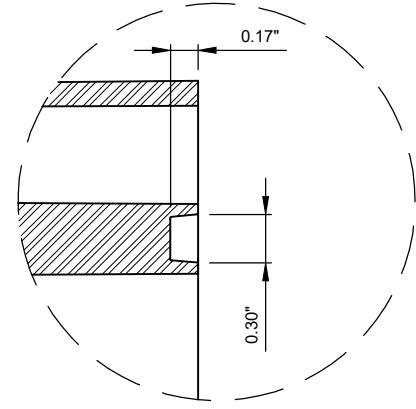
STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD  
 CORPORATE OFFICE COLUMBIA, MD 21046

PROJECT INFORMATION:	SYSTEM DRAWING
TITLE:	ECI 6-19 BEARING PLATE W/ 1" NPT PORT (GALVANIZED)
PROJECT NO:	SYSTEM
SCALE:	NTS
SHEET NO:	C738

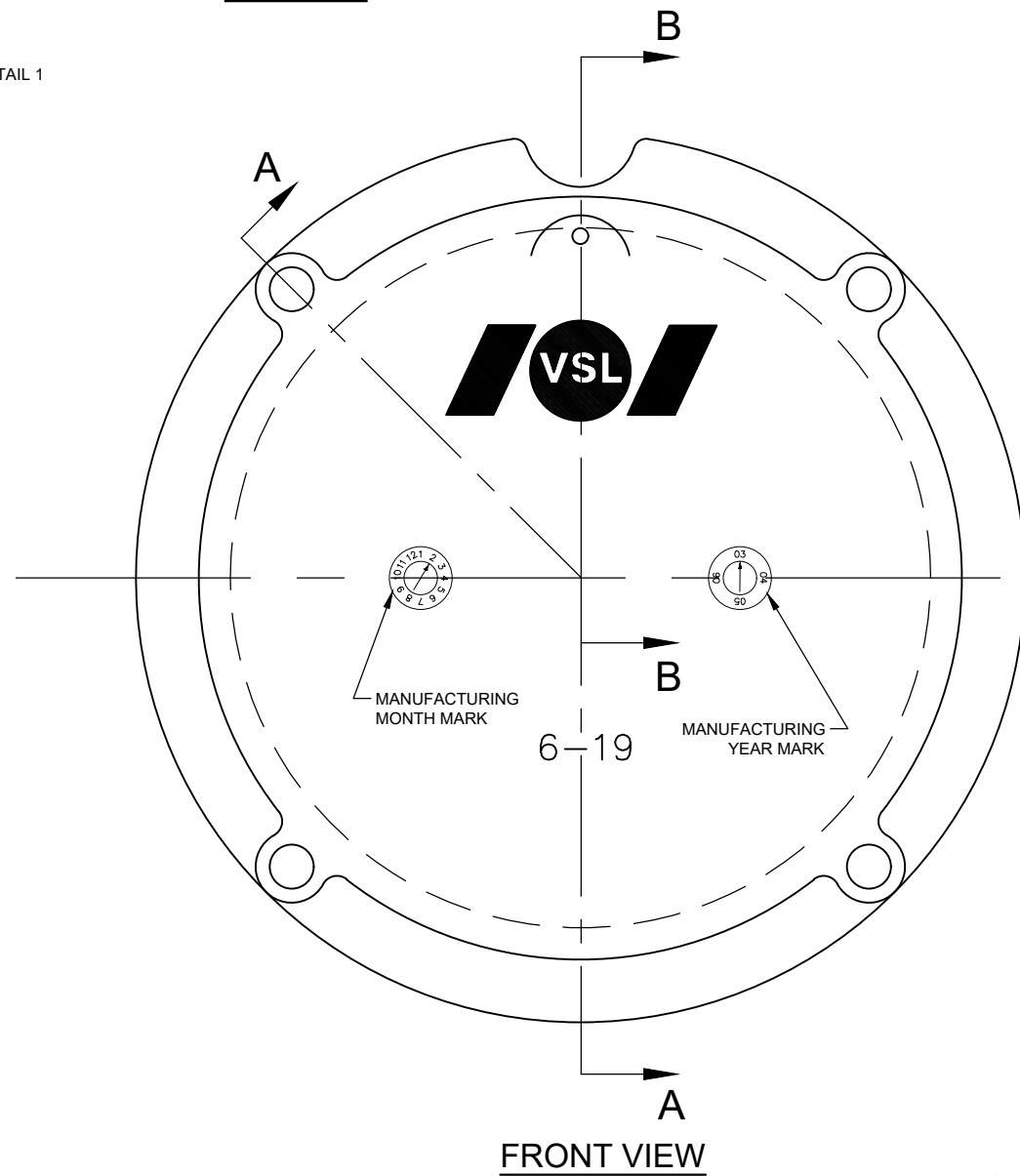
ELECTRONIC FILE LOCATION: I:\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-19 Flexible Filler Submittal



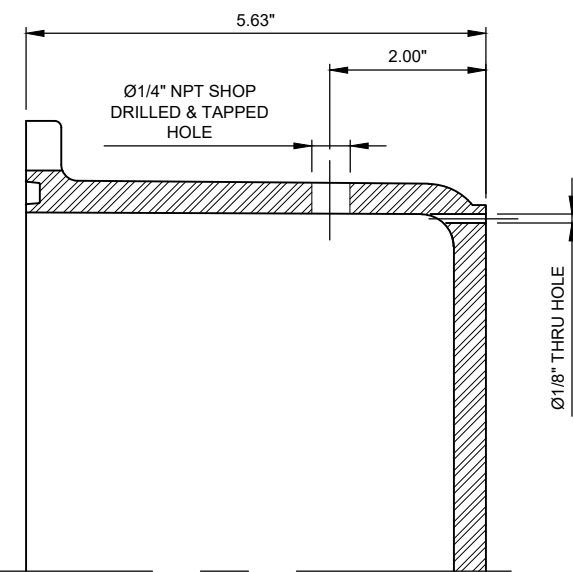
SECTION A-A



DETAIL 1



FRONT VIEW



SECTION B-B

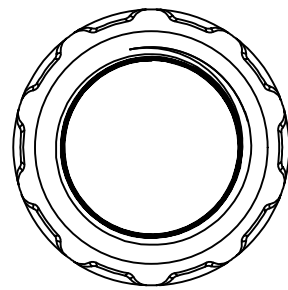
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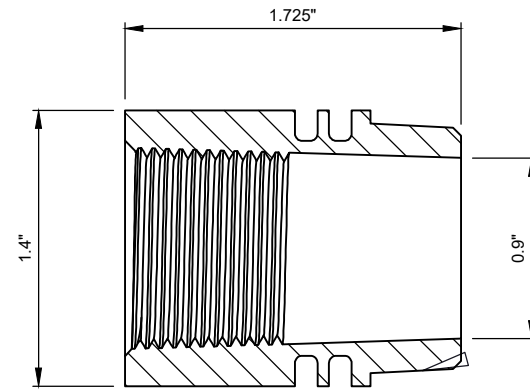
DESCRIPTION	MATERIAL	INVENTORY #
ECI 6-19 ANCHORAGE CAP W/ 1/4" VERTICAL PORT	ABS LUSTRAN 633 PER ASTM D4673	02GC61903

<p><b>structural TECHNOLOGIES</b>                  Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL                  STRUTURAL TECHNOLOGIES, LLC                  CORPORATE OFFICE                  10150 OLD COLUMBIA RD                  COLUMBIA, MD 21046                  PHONE: (410) 850-7000                  structuraltechnologies.com</p>		APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
		NO	BY	CHK
<p>PROJECT INFORMATION:</p> <p>SYSTEM DRAWING</p> <p>ECI 6-19 ANCHORAGE CAP W/ 1/4" VERTICAL PORT</p>		DESCRIPTION	NO	DATE
<p>PROJECT NO: SYSTEM</p> <p>SHEET NO: C740</p>		SCALE: NTS		

ELECTRONIC FILE LOCATION: I:\VSI\_System Drawings\Work In Progress Drawings\Florida DOT\_Test 2017\Flexible Filler Accessories



END VIEW



SIDE VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960.

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DESCRIPTION	MATERIAL	INVENTORY #
3/4" FNPT SMOOTH PORT	HDPE YELLOW PER ASTM D3350	02DT0253

PROJECT INFORMATION:

SYSTEM DRAWING

3/4" FNPT SMOOTH PORT

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

C743

NO  
APPROVED FOR CONSTRUCTION

BY  
CDL ZX

DESCRIPTION

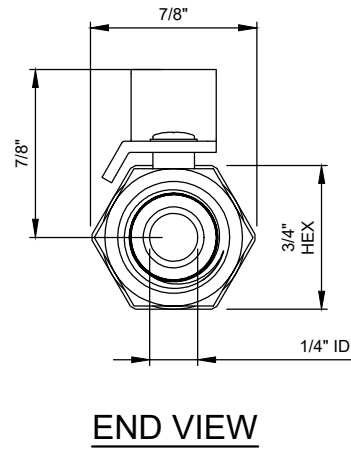
CHK  
BY

DATE  
29JAN2020

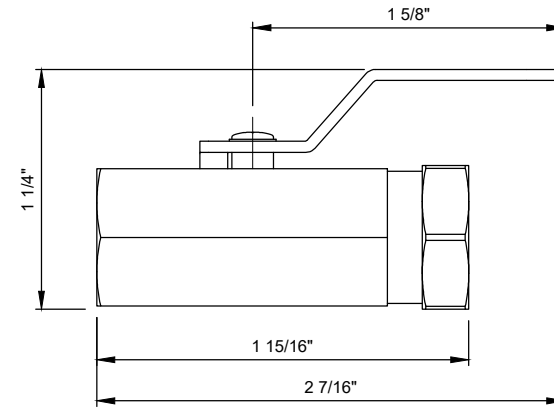
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ELECTRONIC FILE LOCATION: I:\SVS\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



**END VIEW**



**SIDE VIEW**

NOTE: THIS IS A TEMPORARY PART.

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DESCRIPTION	MATERIAL	INVENTORY #
1/4 TURN BALL VALVE W/ 1/4" FNPT	SCH 40 STEEL	02DT01924

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE: 1/4 TURN BALL VALVE W/ 1/4" FNPT

PROJECT NO: SYSTEM

SHEET NO:

SCALE: NTS

C744

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

CDL ZX

BY

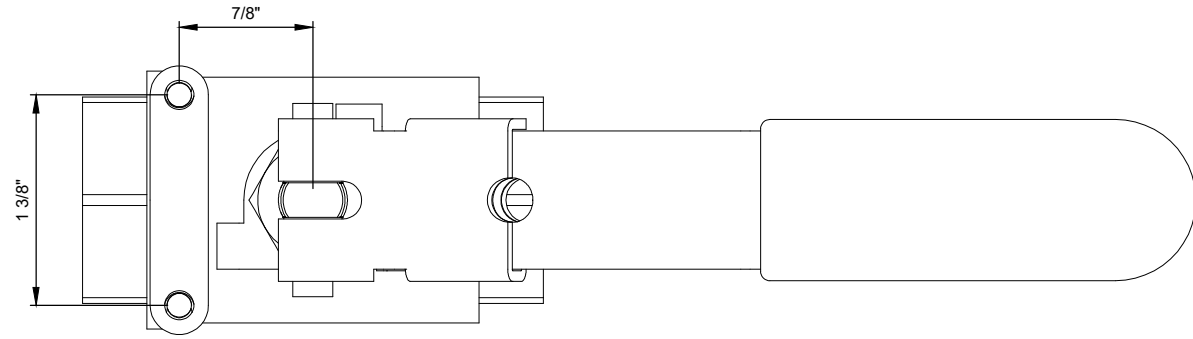
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DATE

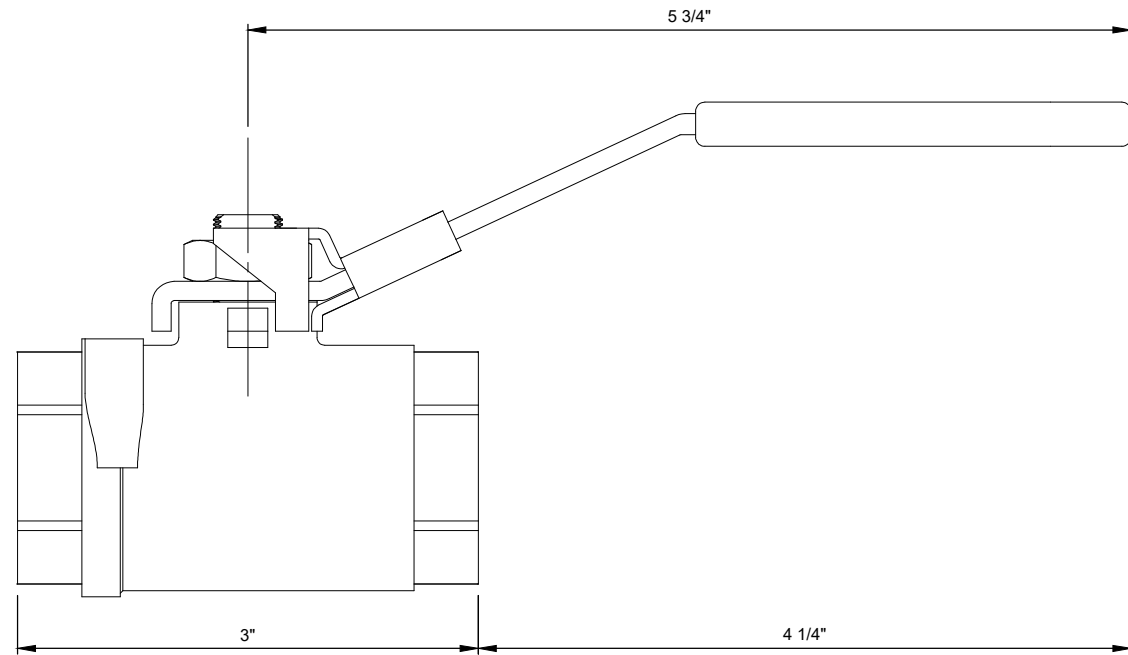
29JAN2020

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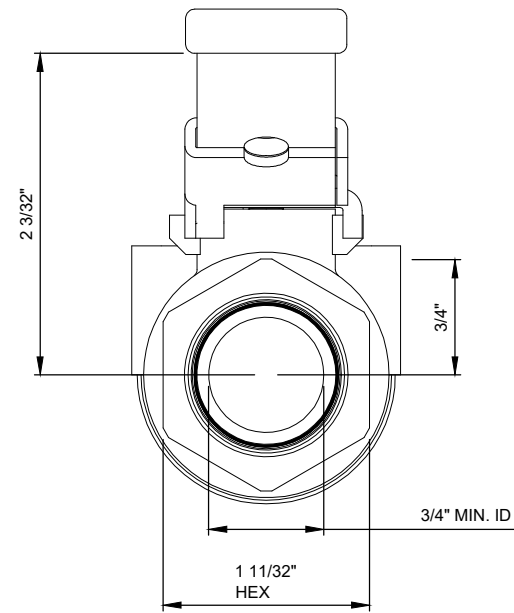
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 STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD  
 CORPORATE OFFICE COLUMBIA, MD 21046  
 PHONE: (410) 850-7000  
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TOP VIEW



SIDE VIEW



END VIEW

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ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories

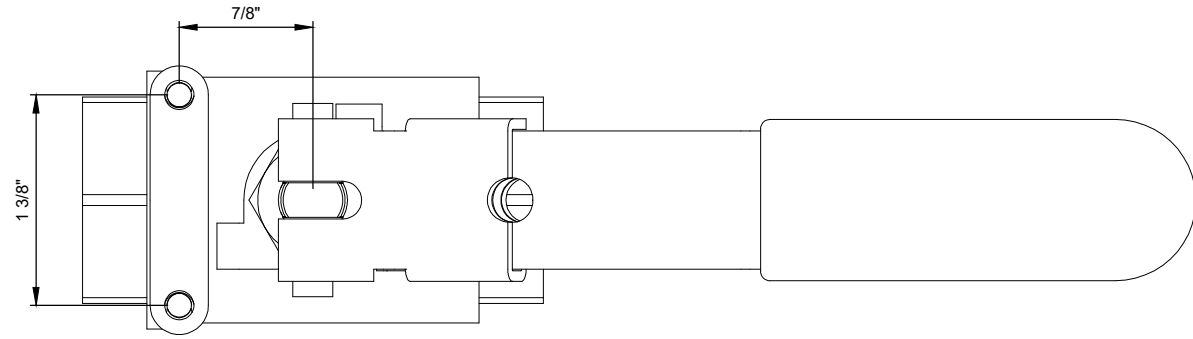
DESCRIPTION	MATERIAL	INVENTORY #
STEEL 1/4 TURN BALL VALVE W/ 3/4" FNPT	SCH 40 STEEL	02DT01925

NOTE: THIS IS A TEMPORARY PART.

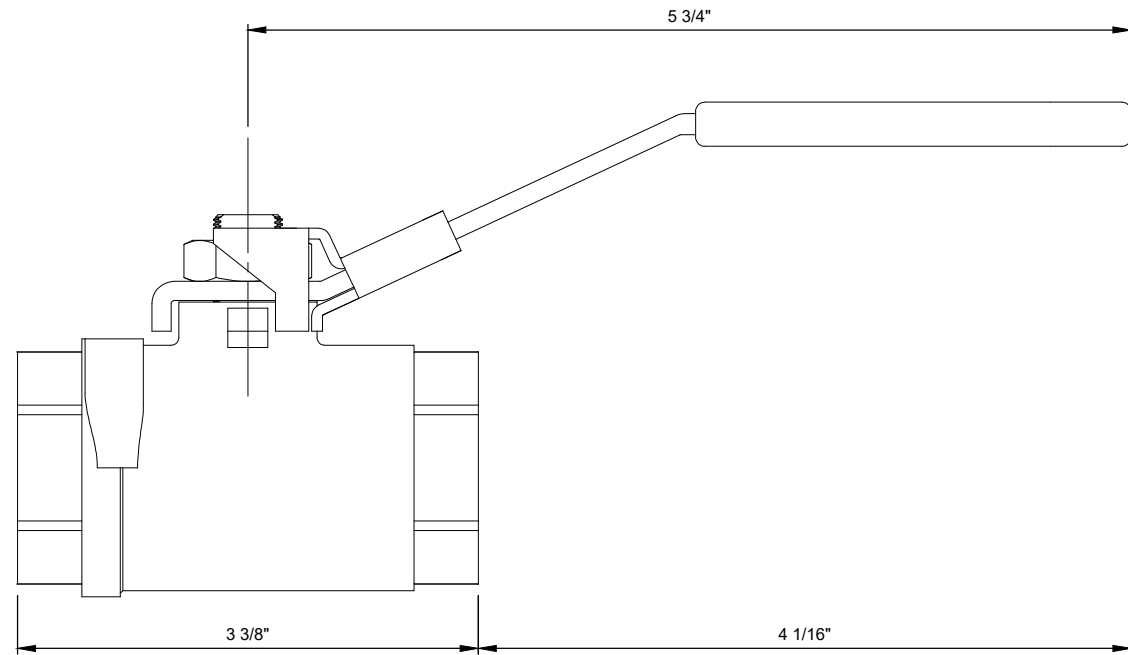
NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	DATE

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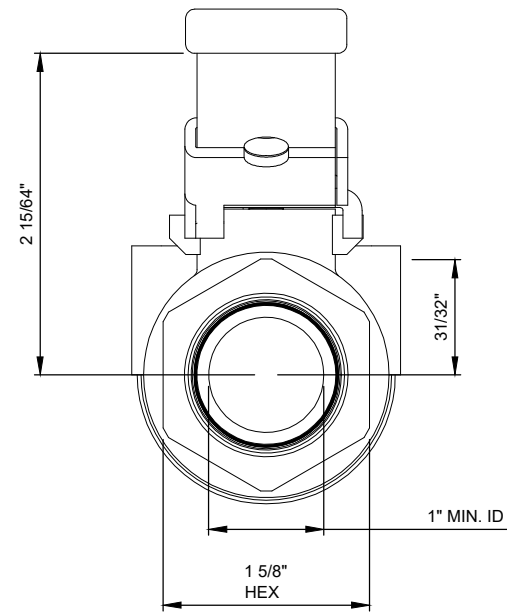
PROJECT INFORMATION:	SYSTEM DRAWING	TITLE: STEEL 1/4 TURN BALL VALVE W/ 3/4" FNPT
PROJECT NO: SYSTEM	SCALE: NTS	
SHEET NO: C745		



TOP VIEW



SIDE VIEW



END VIEW

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ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories

DESCRIPTION	MATERIAL	INVENTORY #
STEEL 1/4 TURN BALL VALVE W/ 1" FNPT	SCH 40 STEEL	02DT01926

NOTE: THIS IS A TEMPORARY PART.

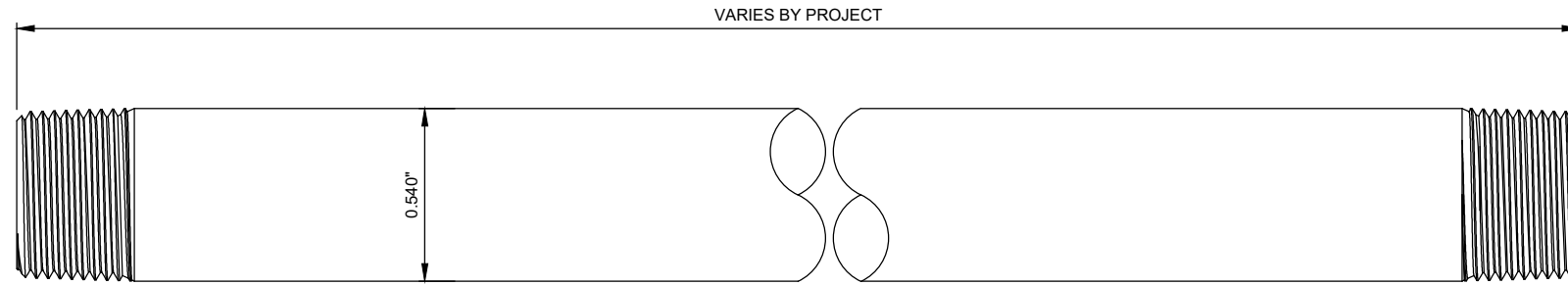
NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	DATE

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 COLUMBIA, MD 21046

PROJECT INFORMATION:	SYSTEM DRAWING	STEEL 1/4 TURN BALL VALVE W/ 1" FNPT
PROJECT NO:	SYSTEM	SCALE: NTS
SHEET NO:		C746

ELECTRONIC FILE LOCATION: I:\SVI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



SIDE VIEW

DESCRIPTION	MATERIAL	INVENTORY #
1/4" NPT STEEL NIPPLE	SCH 40 STEEL	-

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PROJECT INFORMATION:

SYSTEM DRAWING

1/4" NPT STEEL NIPPLE

PROJECT NO:  
SYSTEM

SCALE:  
NTS

SHEET NO:

C749

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CDL ZX

CHK

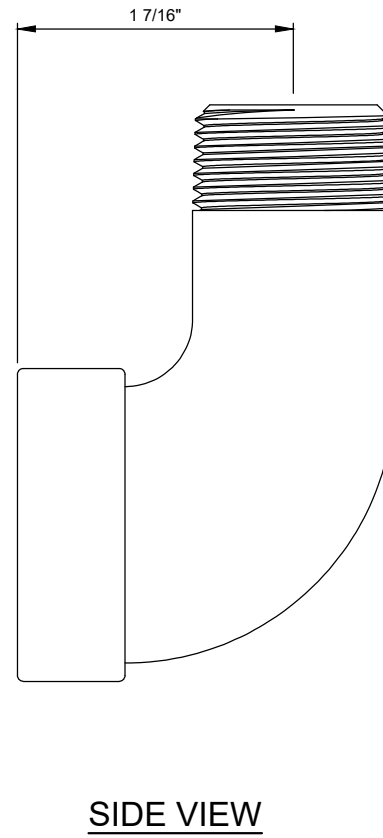
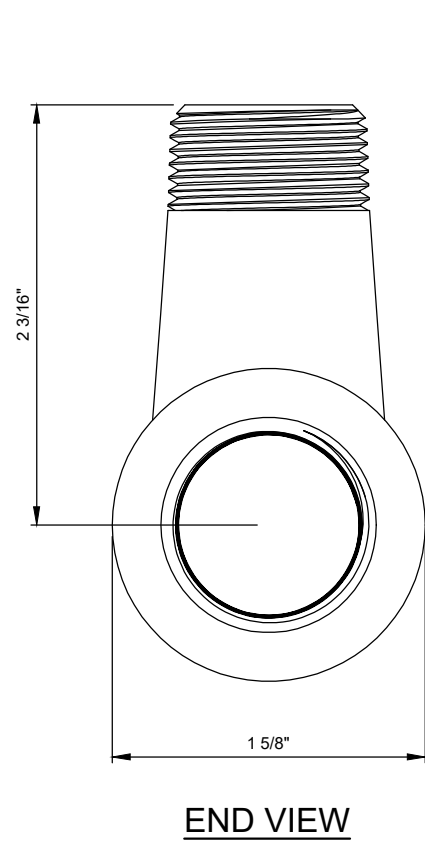
DATE

29JAN2020

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DESCRIPTION	MATERIAL	INVENTORY #
3/4" FNPT X MNPT STEEL ELBOW	SCH 40 STEEL	02DT01954

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:  
**3/4" FNPT X MNPT STEEL ELBOW**

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

**C750**

**structural TECHNOLOGIES**

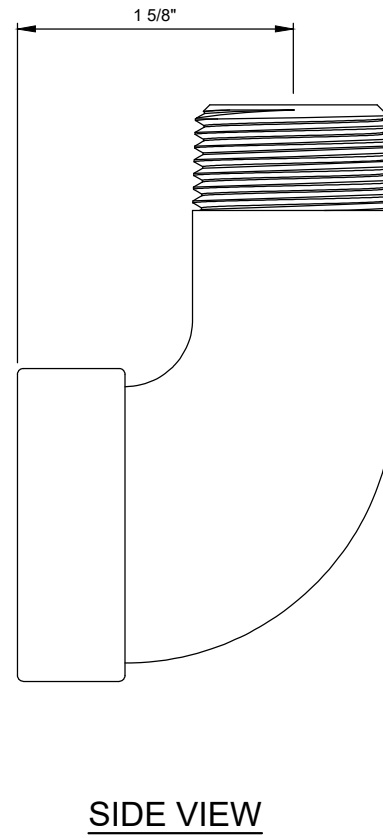
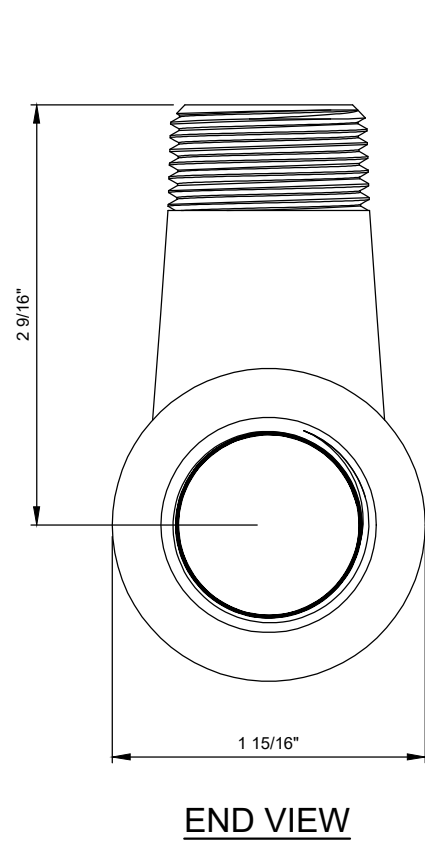
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NO	APPROVED FOR CONSTRUCTION	BY	CDL ZX	DATE	29JAN2020
	DESCRIPTION				

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DESCRIPTION	MATERIAL	INVENTORY #
1" FNPT X MNPT STEEL ELBOW	SCH 40 STEEL	02DT01955

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:  
1" FNPT X MNPT STEEL ELBOW

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

C751

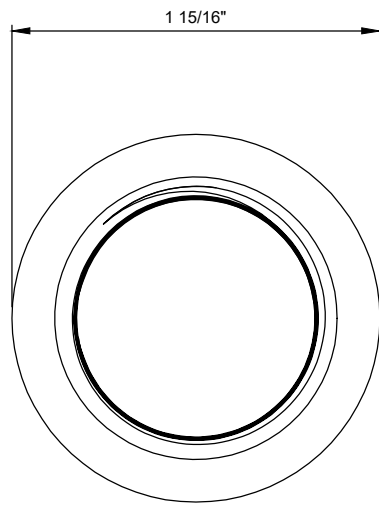
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 STRUCTURAL TECHNOLOGIES, LLC    10150 OLD COLUMBIA RD  
 CORPORATE OFFICE    COLUMBIA, MD 21046

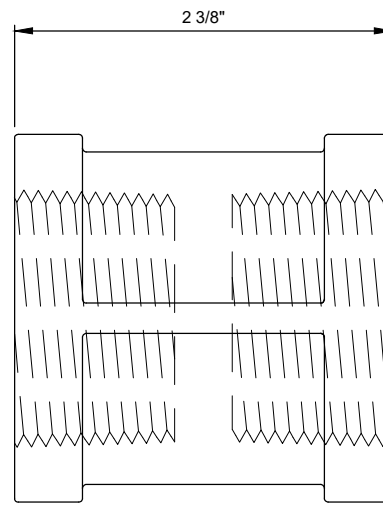
PHONE: (410) 850-7000  
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NO	DESCRIPTION	CDL	ZX	29JAN2020

ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



END VIEW



SIDE VIEW

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DESCRIPTION	MATERIAL	INVENTORY #
1" NPT F/F COUPLER	SCH 40 STEEL	02DT01953

PROJECT INFORMATION:

SYSTEM DRAWING

1" NPT F/F COUPLER

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

C752

NO

APPROVED FOR CONSTRUCTION

CDL ZX

BY

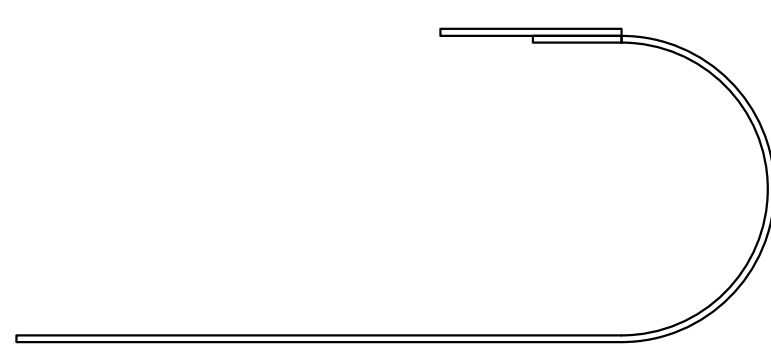
CHK

DATE

29JAN2020

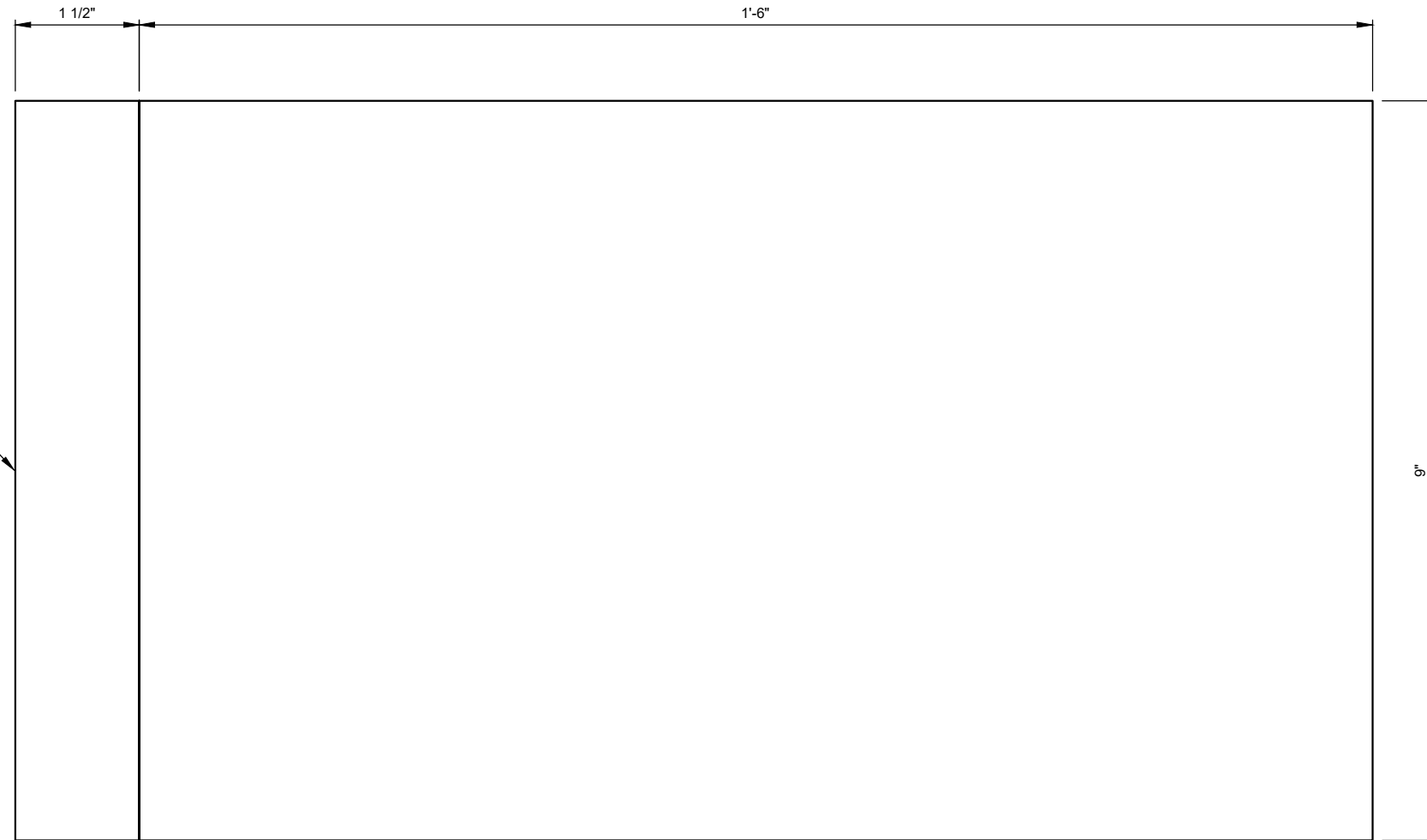
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ADHESIVE FLAP



UNWRAPPED

NOTE: REFERENCE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS IN THE APPENDIX.

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DESCRIPTION	MATERIAL	INVENTORY #
CANUSA KLNN-115 WS BK/L 9" HEAT SHRINK SLEEVE	POLYOLEFIN PER TABLE 960 2.2.1.8-1	02DT0514

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE: KLNN-115 9" HEAT SHRINK SLEEVE

PROJECT NO: SYSTEM

SHEET NO:

SCALE: NTS

C763

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CDL ZX

CHK

DATE

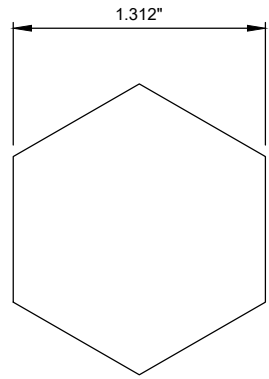
29JAN2020

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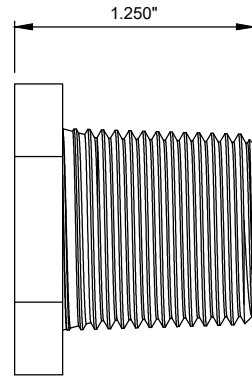
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END VIEW



SIDE VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

DESCRIPTION	MATERIAL	INVENTORY #
3/4" NPT PE PLUG	BLACK HDPE PER ASTM D3350	02DT01913

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PROJECT INFORMATION:

PROJECT NO:	SYSTEM
TITLE:	3/4" NPT PE PLUG
SHEET NO:	C787

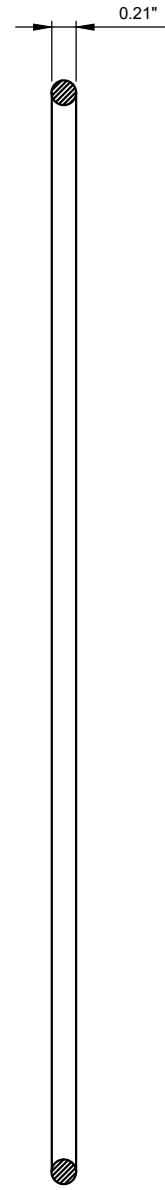
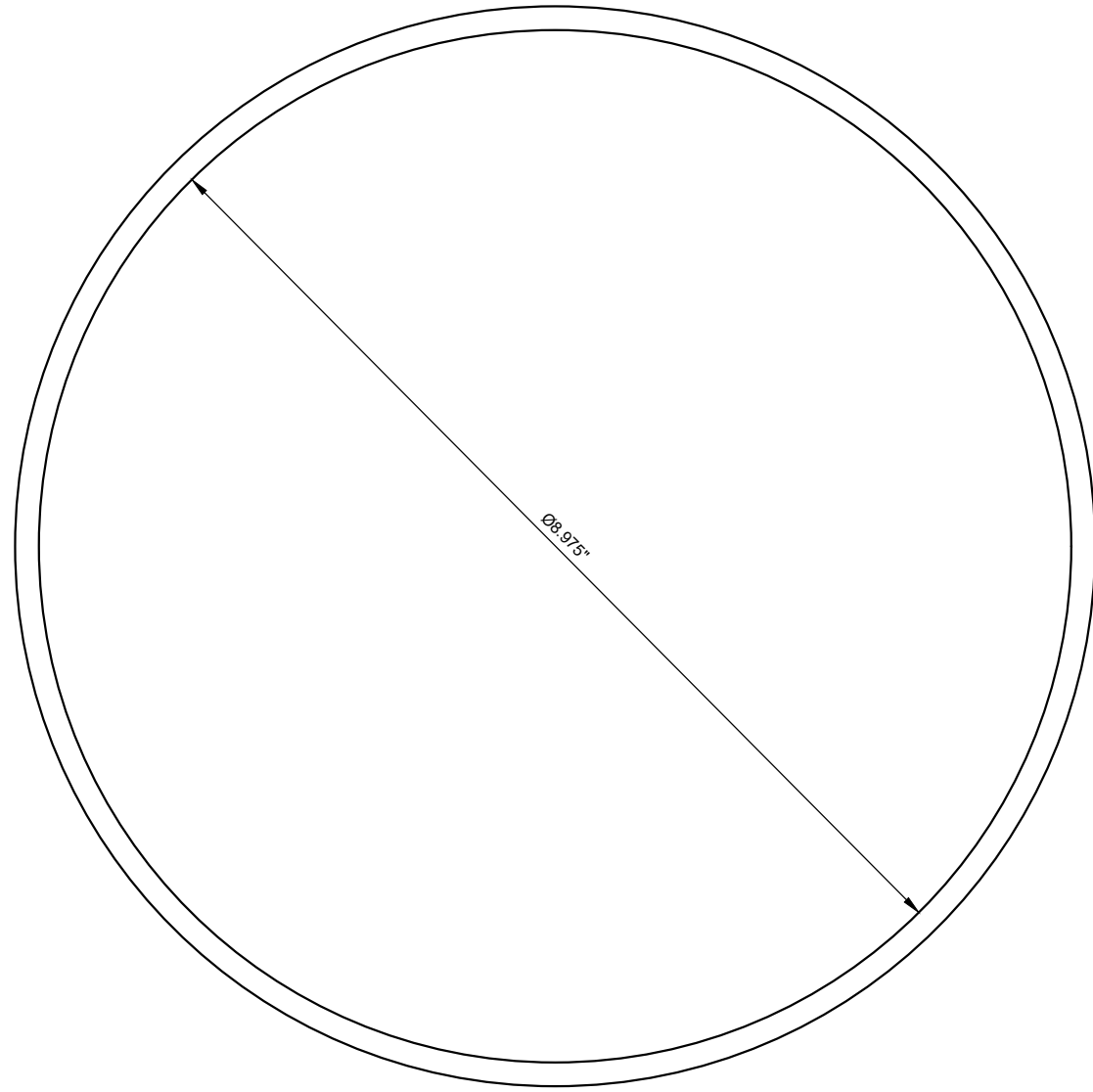
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BY	CDL ZX
DESCRIPTION	

CHK	BY	DATE
		29JAN2020

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DESCRIPTION	SIZE	MATERIAL	INVENTORY #
ECI 6-19 GROUT CAP O-RING	8.975"x9.395"x0.21"	BUNA-N 70 D PER FDOT 960 TABLE 2.2.1.7-1	02WX6020

PROJECT INFORMATION:

PROJECT NO:	SYSTEM
SHEET NO:	NTS
<b>C794</b>	

SYSTEM DRAWING

ECI 6-19 GROUT CAP O-RING

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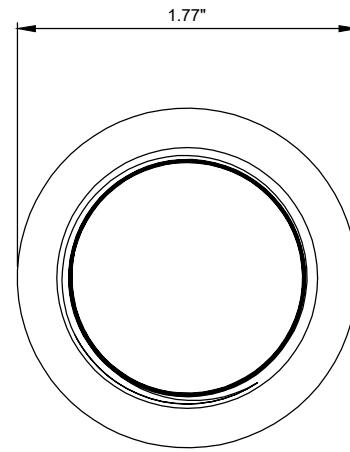
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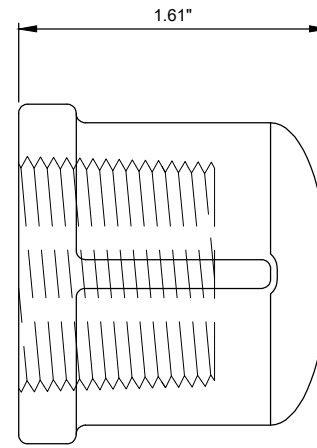
NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	CHK
NO	DESCRIPTION	BY	CHK

NO	APPROVED FOR CONSTRUCTION	CDL ZX	29JAN2020
NO	DESCRIPTION	BY	CHK
NO	DESCRIPTION	BY	CHK

ELECTRONIC FILE LOCATION: I:\S1\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



END VIEW



SIDE VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

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DESCRIPTION	MATERIAL	INVENTORY #
1" NPT PP CAP	BLACK POLYPROPYLENE PER ASTM D4101	02DT01941

PROJECT INFORMATION:

SYSTEM DRAWING

1" NPT PP CAP

PROJECT NO:  
SYSTEM

SCALE:  
NTS

SHEET NO:

C877

NO

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DESCRIPTION

BY

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CHK

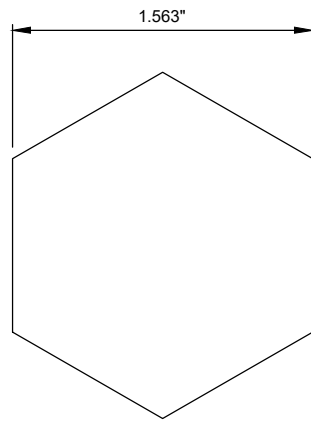
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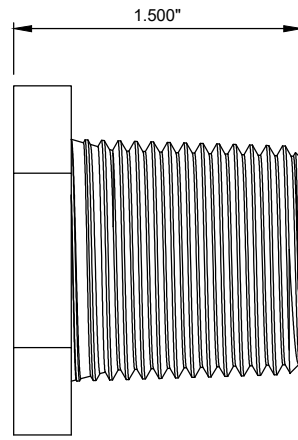
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END VIEW



SIDE VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960.

DESCRIPTION	MATERIAL	INVENTORY #
1" NPT PP PLUG	BLACK POLYPROPYLENE PER ASTM D4101	02DT01948

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PROJECT INFORMATION:

SYSTEM DRAWING

1" NPT PP PLUG

PROJECT NO:  
SYSTEM

SHEET NO:

SCALE:  
NTS

C879

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DATE

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DESCRIPTION	MATERIAL	INVENTORY #	DIM. "A"	DIM. "B"	MIN. BEND RADIUS
4" HDPE PIPE DR-17	HDPE BLACK PER ASTM D3350	-	3.939"	4.5"	20'-0"

PROJECT INFORMATION:

SYSTEM DRAWING

4" HDPE PIPE

PROJECT NO:  
SYSTEM

SHEET NO:  
C882B

TITLE:  
4" HDPE PIPE

SCALE:  
NTS

NO

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CDL ZX

BY CHK

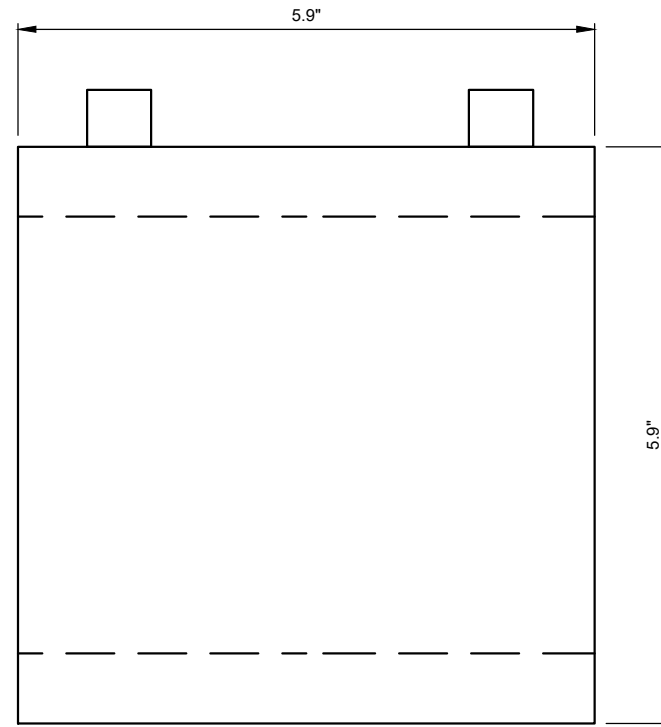
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SIDE VIEW

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DESCRIPTION	MATERIAL	INVENTORY #
4" ELECTROFUSION COUPLER	COMPOSITE	02EF0004

PROJECT INFORMATION:

PROJECT NO:	SYSTEM
TITLE:	4" ELECTROFUSION COUPLER
SHEET NO:	C895
SCALE:	NTS

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NO	DESCRIPTION	BY	CHK
			DATE