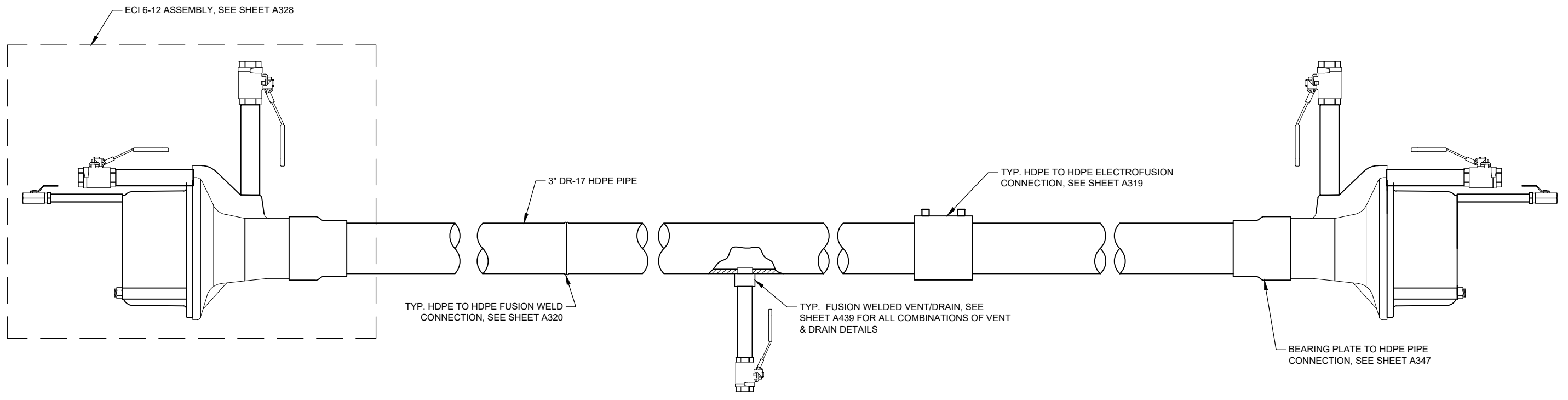


ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Flexible Filler Submittal



TENDON OVERALL ASSEMBLY

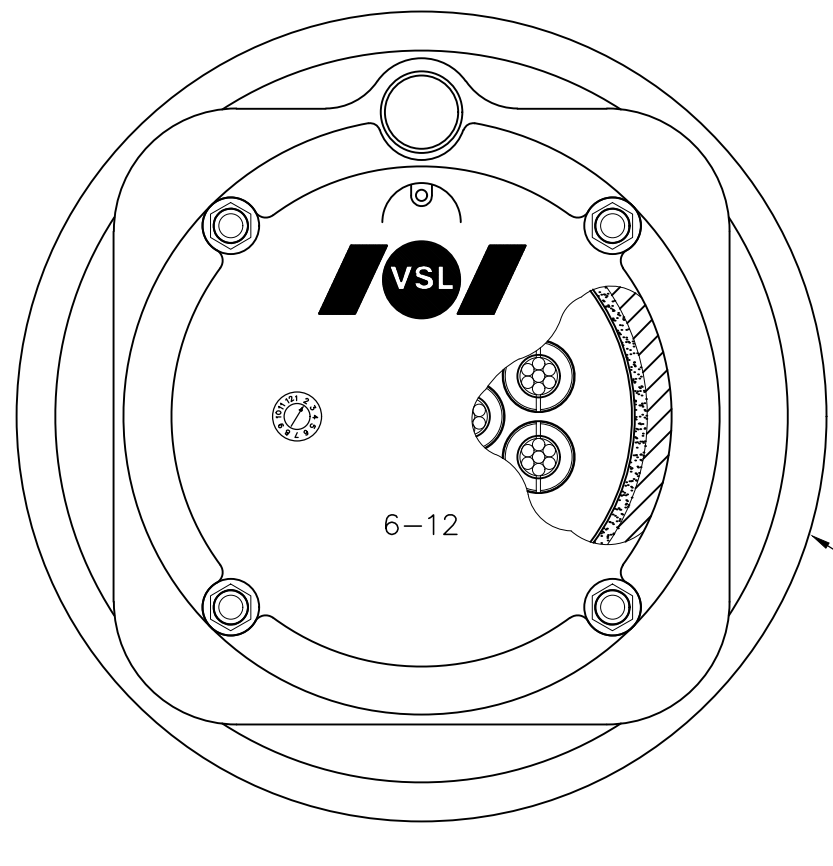
- NOTES:**
- 1. CONNECTIONS & MATERIALS SHOWN IN EITHER CONFIGURATION CAN BE USED INTERCHANGEABLE, OMITTING ANY CONNECTIONS NOT REQUIRED FOR A PARTICULAR JOB.
 - 2. COLD/FIELD MINIMUM BEND RADIUS FOR 3" HDPE PIPE IS 16'-0".
 - 3. HOT/PRE-BENT MINIMUM BEND RADIUS FOR 3" HDPE PIPE WITH 12 STRANDS IS 8'-0". 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.

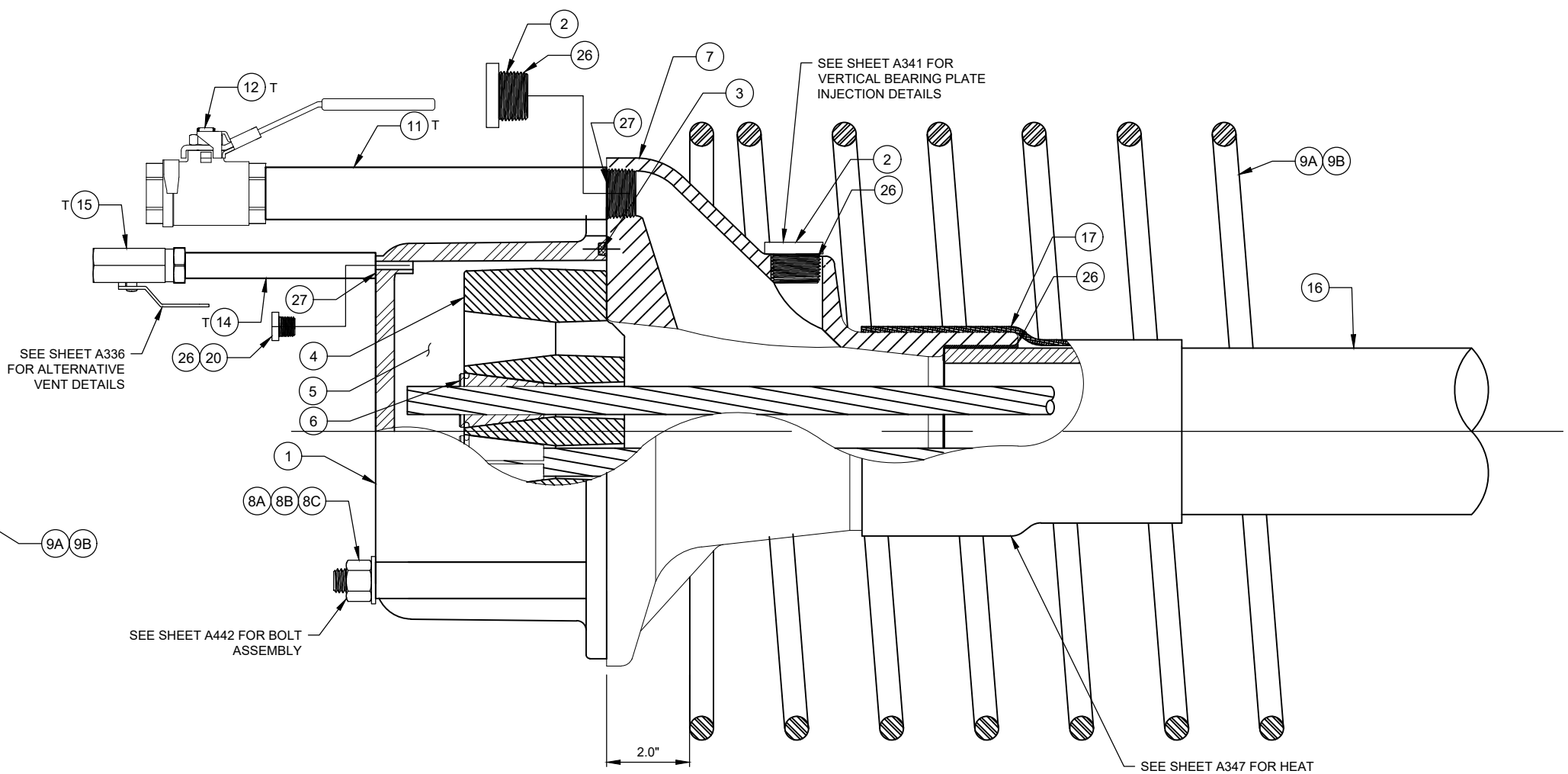
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| | | |
|---|---|------------|
| PROJECT INFORMATION: | | |
| PROJECT NO: | SYSTEM | SCALE: NTS |
| SHEET NO: | A329B | |
| TITLE: | ECI 6-12 TENDON W/ FLEXIBLE FILLER OVERALL ASSEMBLY | |
| STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD COLUMBIA, MD 21046 CORPORATE OFFICE | | |
| Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL | | |
| PHONE: (410) 850-7000 structuraltechnologies.com | | |
| APPROVED FOR CONSTRUCTION | NO | CDL ZK |
| DESCRIPTION | BY | CHK |
| | | DATE |
| | | 18FEB2020 |

ELECTRONIC FILE LOCATION: I:\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Flexible Filler Submittal



END VIEW



ELEVATION VIEW

SEE SHEET A336 FOR ALTERNATIVE VENT DETAILS

SEE SHEET A341 FOR VERTICAL BEARING PLATE INJECTION DETAILS

SEE SHEET A442 FOR BOLT ASSEMBLY

SEE SHEET A347 FOR HEAT SHRINK SLEEVE ASSEMBLY

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 AND WEDGES. MAKE SURE WEDGE CAVITIES ARE CLEAN AND RUST FREE. USE WIRE BRUSH TO CLEAN IF NECESSARY. ALIGN ANCHOR HEAD TO BEARING PLATE USING A 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.

| ITEM | QTY | DESCRIPTION | MATERIAL | INVENTORY # | DWG # |
|------|-------|--|--|-------------|-------|
| 1 | 1 | ECI 6-12 ANCHORAGE CAP W/ 1/4" NPT HORIZ. PORT | ABS LUSTRAN 633 PER ASTM D4673 | 02GC61202 | C548 |
| 2 | 2 | 1" NPT PP PLUG | BLACK POLYPROPYLENE PER ASTM D4101 | 02DT01948 | C879 |
| 3 | 1 | ECI 6-12 ANCHORAGE CAP O-RING | BUNA-N 70 D PER FDOT 960 TABLE 2.2.1.7-1 | 02WX5020 | C796 |
| 4 | 1 | ECI 6-12 ANCHOR HEAD | CAST IRON GR80-55-06 PER ASTM A536 | 02AH0037 | C556 |
| 5 | - | FLEXIBLE FILLER | FDOT APL | - | - |
| 6 | 12 | 1.6G WEDGE .6 1.77 W/GROOVE | AISI 11-L-17 PER ASTM A108 | 02WG0008 | C218 |
| 7 | 1 | ECI 6-12 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123 | CAST IRON GR80-55-06 PER ASTM A536 | 02BP0037V | C737 |
| 8A | 1 SET | 1/2"-13 THREADED ROD X 6 1/2" | (316L) STAINLESS PER ASTM F593 | 02WX5021D | A442 |
| 8B | 1 SET | 1/2"-13 NUT | (316L) STAINLESS PER ASTM A240 | 02WX5021D | A442 |
| 8C | 1 SET | 1/2" WASHER | (316L) STAINLESS PER ASTM A240 | 02WX5021D | A442 |
| 9A | 1 | SPIRAL ECI 6-12 (#5 13" DIA., 7 TURNS, 2" PITCH) | STEEL GR60 PER ASTM A615 | 02BP0096 | C728 |
| 9B | 1 | SPIRAL ECI 6-12 (#4 13" DIA., 7 TURNS, 2" PITCH) | STEEL GR60 PER ASTM A615 | 02BP0097 | C728 |
| 11 | 1 | 1" NPT STEEL NIPPLE | SCH 40 STEEL | - | C725 |
| 12 | 1 | STEEL 1/4 TURN BALL VALVE W/ 1" FNPT | SCH 40 STEEL | 02DT01926 | C746 |
| 14 | 1 | 1/4" NPT STEEL NIPPLE | SCH 40 STEEL | - | C749 |
| 15 | 1 | STEEL 1/4 TURN BALL VALVE W/ 1/4" FNPT | SCH 40 STEEL | 02DT01924 | C811 |
| 16 | 1 | 3" DR-17 PIPE | HDPE BLACK PER ASTM D3350 | - | C882A |
| 17 | 1 | CANUSA KLNN-90 WS BK/L X 9" HEAT SHRINK SLEEVE | POLYOLEFIN PER TABLE 960 2.2.1.8-1 | 02DT0513 | C761 |
| 20 | 1 | 1/4" NPT PE PLUG | HDPE BLACK PER ASTM D3350 | 02DT01919 | C693 |
| 26 | - | BONDUIT | COMMERCIALY AVAILABLE | - | - |
| 27 | - | SILICONE GREASE | COMMERCIALY AVAILABLE | - | - |

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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

PROJECT INFORMATION:

PROJECT NO: SYSTEM

SHEET NO: A328

DATE: 29JAN2020

CHK: ZY

BY: CDL

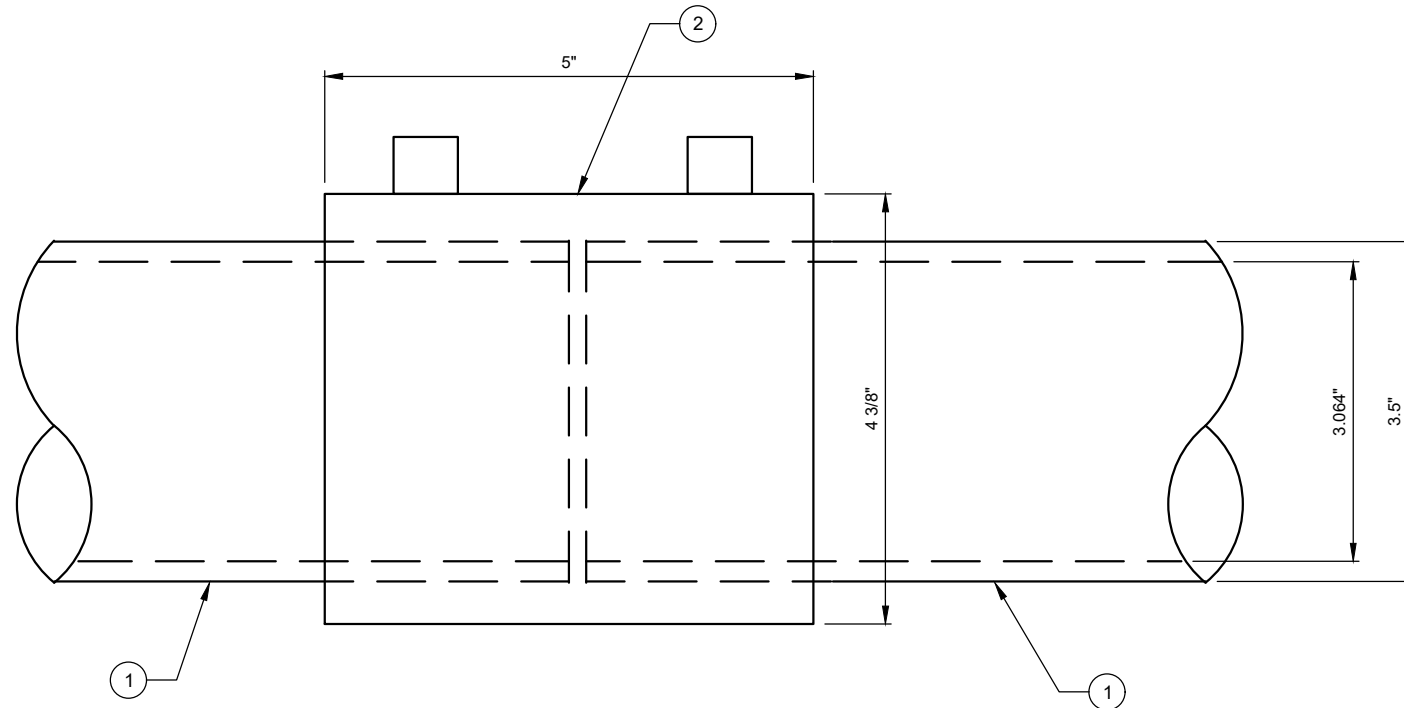
DESCRIPTION: APPROVED FOR CONSTRUCTION

NO: 0

SYSTEM DRAWING

ECI 6-12 ASSEMBLY WITH FLEXIBLE FILLER

ELECTRONIC FILE LOCATION: I:\SVI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\EC 6-7 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 | - | 3" HDPE PIPE DR-17 | HDPE BLACK PER ASTM D3350 | - | C882A |
| 2 | 1 | 3" ELECTROFUSION COUPLER | COMPOSITE | 02EF0003 | C896 |

PROJECT INFORMATION:

SYSTEM DRAWING

3" HDPE PIPE TO 3" HDPE PIPE
ELECTROFUSION COUPLER CONNECTION

PROJECT NO:
SYSTEM

SCALE:
NTS

SHEET NO:

A319

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CHK

CDL ZX

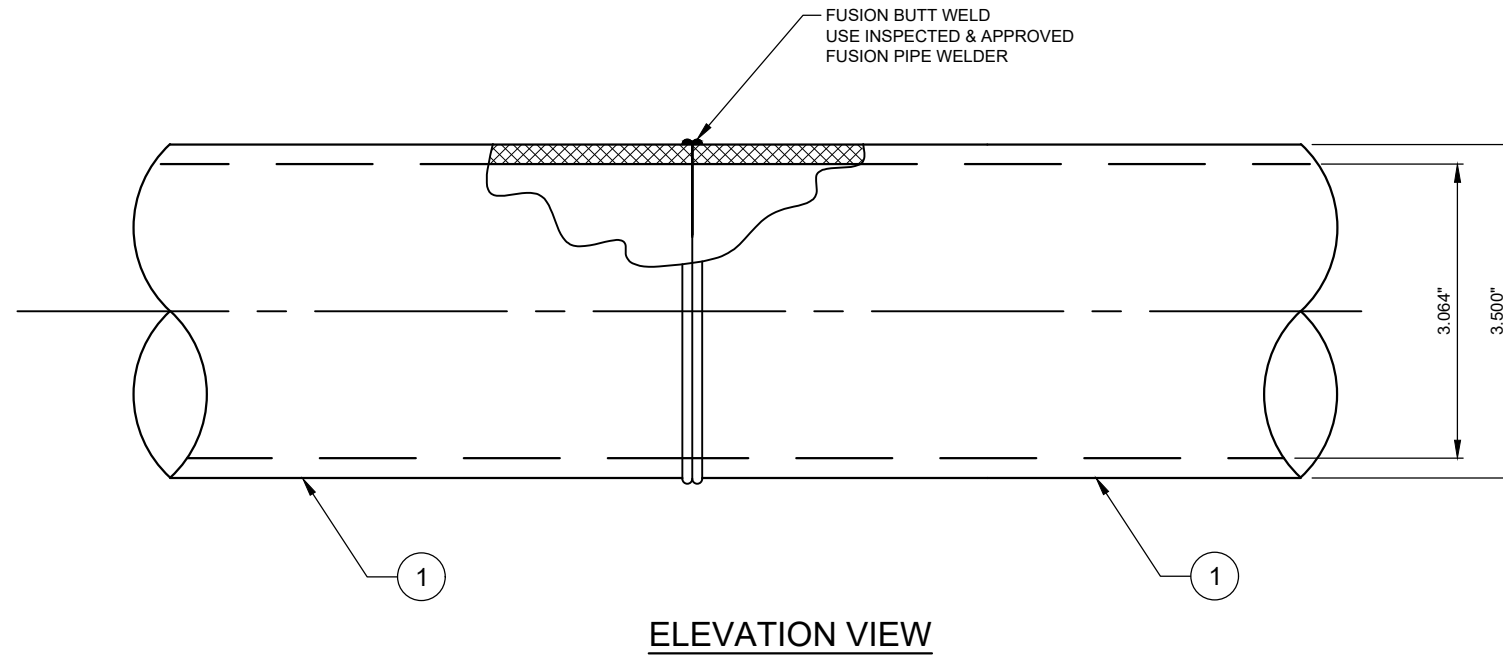
DATE

29JAN2020

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ELECTRONIC FILE LOCATION: I:\VSL_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-7 Flexible Filler Submittal



ELEVATION VIEW

NOTES:

1. HDPE 3" 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 | 3" HDPE PIPE DR-17 | HDPE BLACK PER ASTM D3350 | C882A |

PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:
TYPICAL 3" HDPE PIPE TO 3" HDPE PIPE FUSION WELDED CONNECTION

PROJECT NO:
SYSTEM

SHEET NO:

SCALE:
NTS

A320

NO

APPROVED FOR CONSTRUCTION

BY

DESCRIPTION

CDL ZX

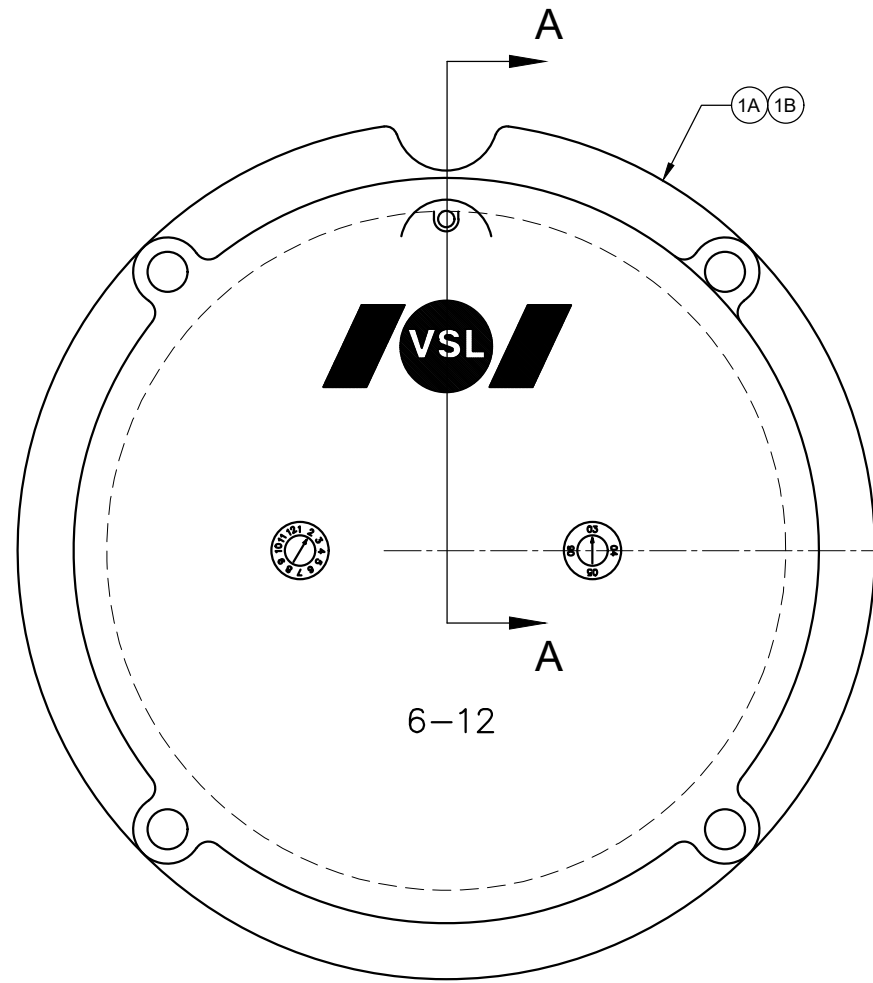
29JAN2020

DATE

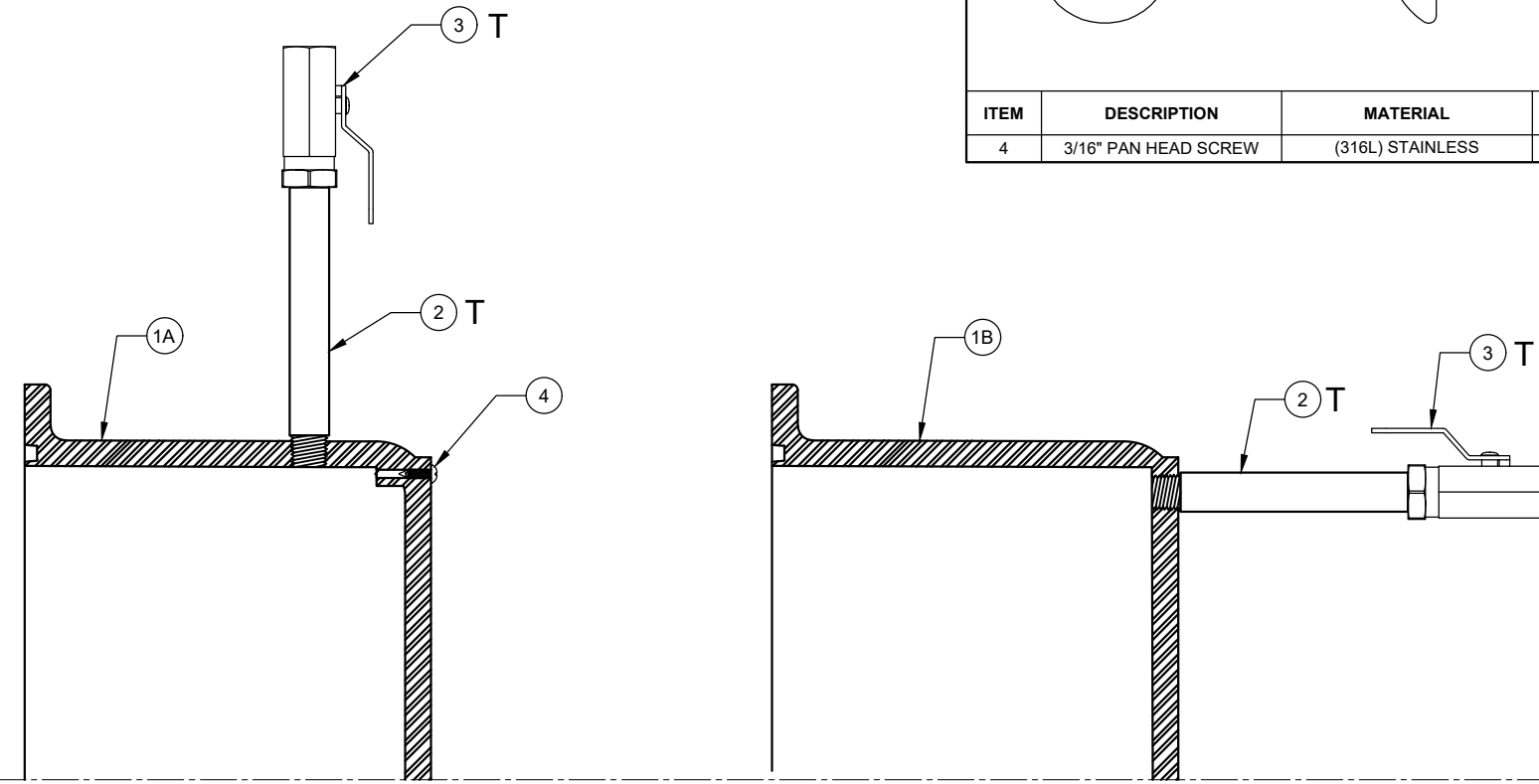
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ELECTRONIC FILE LOCATION: \\VSL\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Flexible Filler Submittal



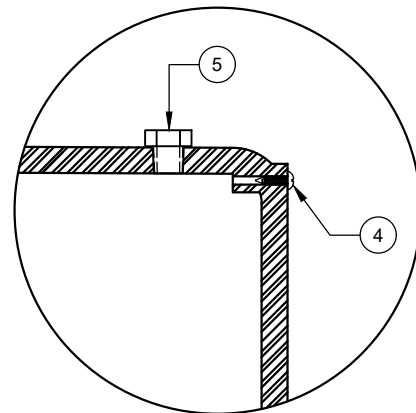
ECI 6-12 ANCHORAGE CAP



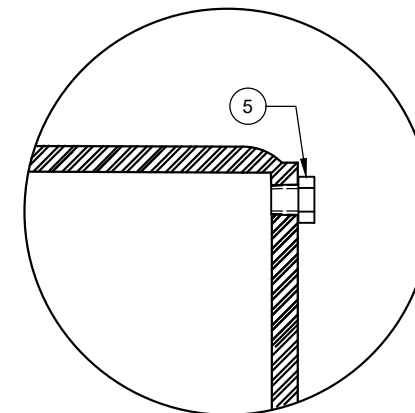
TOP PORT

SECTION A-A

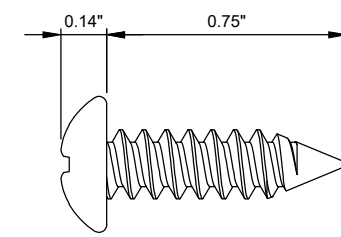
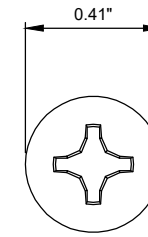
FRONT PORT



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 6-12 ANCHORAGE CAP W/ 1/4" VERT. PORT | ABS LUSTRAN 633 PER ASTM D4673 | 02GC61203 | C739 |
| 1B | 1 | ECI 6-12 ANCHORAGE CAP W/ 1/4" HORIZ. PORT | ABS LUSTRAN 633 PER ASTM D4673 | 02GC61202 | C548 |
| 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 | A336 |
| 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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PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:
ECI 6-12 ANCHORAGE CAP ALTERNATIVE VENT DETAIL

PROJECT NO:
SYSTEM

SCALE:
NTS

SHEET NO:

A336

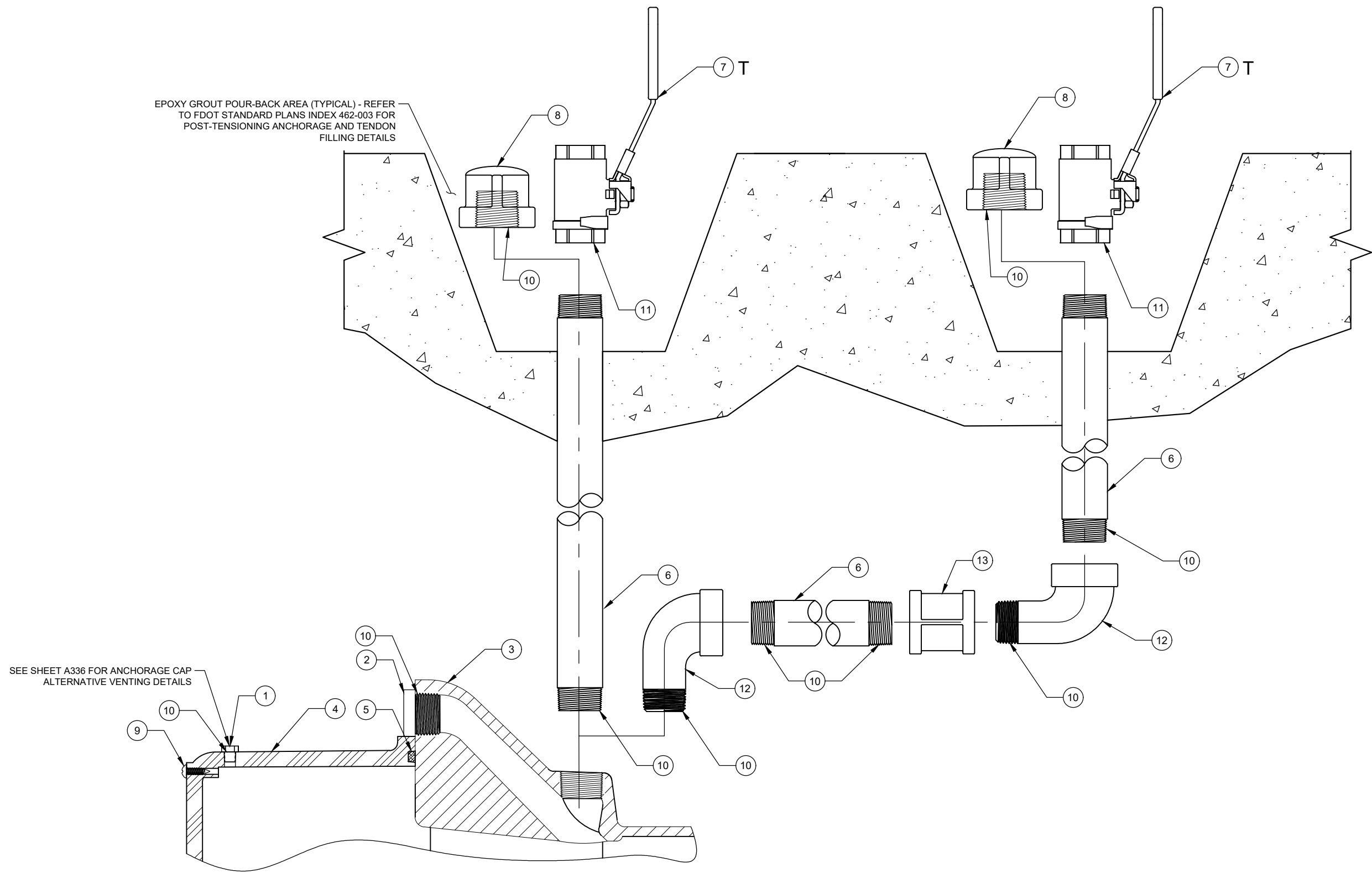
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 structuraltechnologies.com

APPROVED FOR CONSTRUCTION
 NO
 DESCRIPTION

CDL ZX 29JAN2020
 BY CHK
 DATE

ELECTRONIC FILE LOCATION: I:\VSI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 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 A336 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 6-12 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123 | CAST IRON GR80-55-06 PER ASTM A536 | 02BP0037V | C737 |
| 4 | 1 | ECI 6-12 ANCHORAGE CAP W/ 1/4" VERT. PORT | ABS LUSTRAN 633 PER ASTM D4673 | 02GC61203 | C739 |
| 5 | 1 | ECI 6-12 ANCHORAGE CAP O-RING | BUNA-N 70 D PER FDOT 960 TABLE 2.2.1.7-1 | 02WX5020 | C796 |
| 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 | A336 |
| 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 |

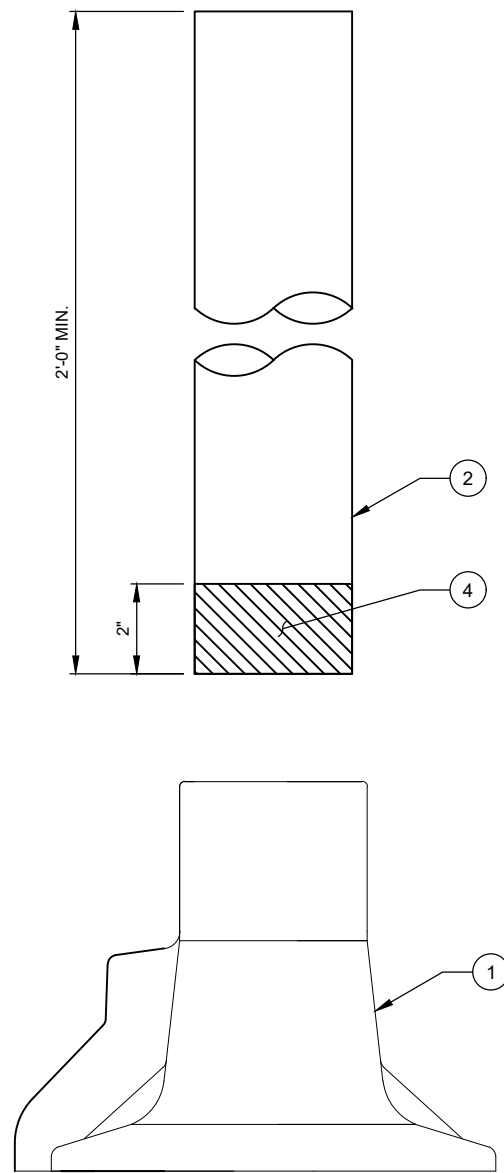
- NOTES:
- ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
 - ALL COMPONENTS MUST BE PRESSURE RATED FOR 150 PSI
 - CONCRETE COVER MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2

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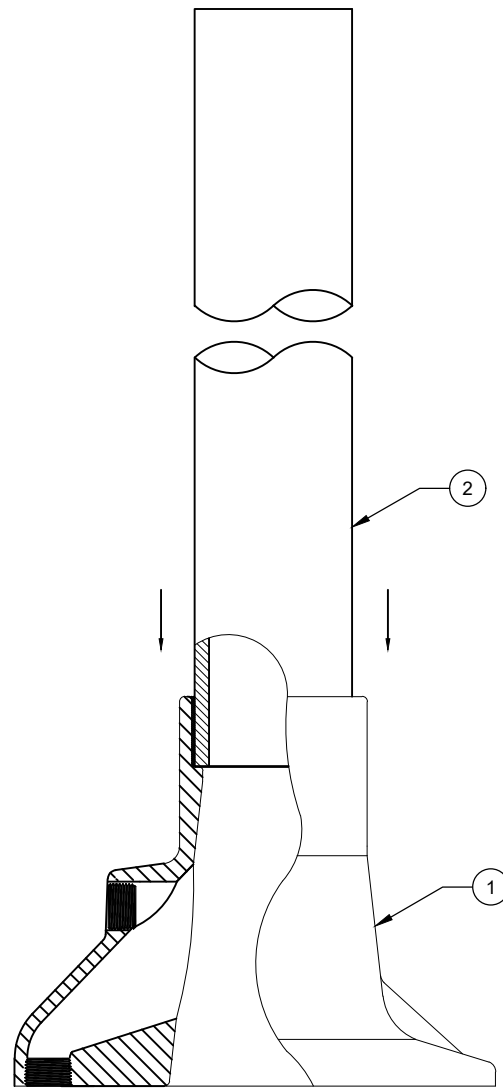
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| PROJECT INFORMATION: | | SYSTEM DRAWING | |
| | | TITLE: ECI 6-12 VERTICAL BEARING PLATE INJECTION OPTIONS | |
| PROJECT NO: | SYSTEM | SCALE: | NTS |
| SHEET NO: | | A341 | |
| STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD COLUMBIA, MD 21046 CORPORATE OFFICE | | | |
| Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL PHONE: (410) 850-7000 structuraltechnologies.com | | APPROVED FOR CONSTRUCTION | |
| | | BY | CHK |
| | | NO | NO |
| | | CDL ZX | 29JAN2020 |
| | | DATE | |

ELECTRONIC FILE LOCATION: I:\VSL_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Flexible Filler Submittal



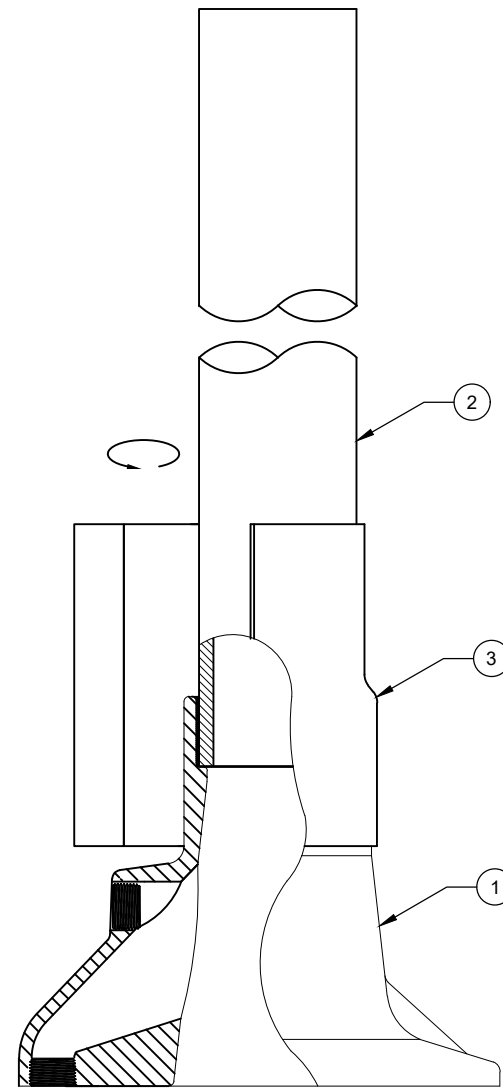
STEP 1

- STEP 1**
- ORIENT BEARING PLATE IN VERTICAL POSITION.
 - APPLY BONDUIT AROUND OUTSIDE OF END OF PIPE (2" MIN.) THAT WILL BE INSERTED INTO BEARING PLATE. TOTAL PIPE LENGTH SHOULD BE 2'-0" MIN.



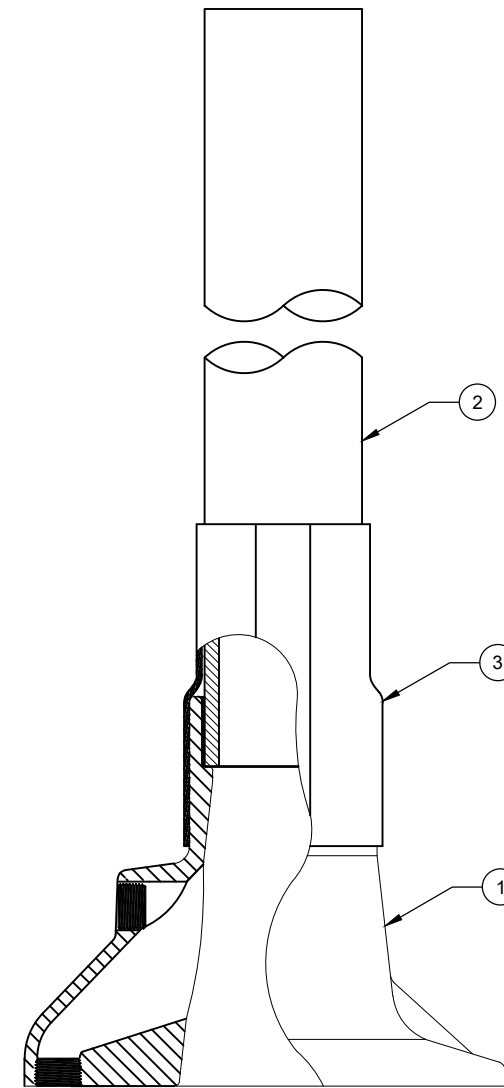
STEP 2

- STEP 2**
- INSERT PIPE INTO BEARING PLATE.
 - WAIT MIN. 1 HOUR FOR BONDUIT TO SET.



STEP 3

- STEP 3**
- AFTER BONDUIT HAS SET FOR 1 HOUR, WRAP HEAT SHRINK SLEEVE AROUND BEARING PLATE AND PIPE AS SHOWN.



STEP 4

- STEP 4**
- FOLLOW HEAT SHRINK INSTALLATION INSTRUCTIONS (PROVIDED AS A SEPARATE APPENDIX).

| ITEM | QTY | DESCRIPTION | MATERIAL | INVENTORY # | DWG # |
|------|-----|--|---|-------------|-------|
| 1 | 1 | ECI 6-12 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123 | CAST IRON GR80-55-06 PER ASTM A536 | 02BP0037V | C737 |
| 2 | 1 | 3" DR-17 PIPE | HDPE PER ASTM D3350 | - | C882A |
| 3 | 1 | CANUSA KLNN-90 WS BK/L X 9" HEAT SHRINK SLEEVE | POLYOLEFIN PER FDOT 960 TABLE 2.2.1.8-1 | 02DT0513 | C761 |
| 4 | - | BONDUIT | - | - | - |

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PROJECT INFORMATION:

SYSTEM DRAWING

TITLE:
ECI 6-12 HEAT SHRINK SLEEVE ASSEMBLY

PROJECT NO: SYSTEM
SCALE: NTS

SHEET NO: **A347**

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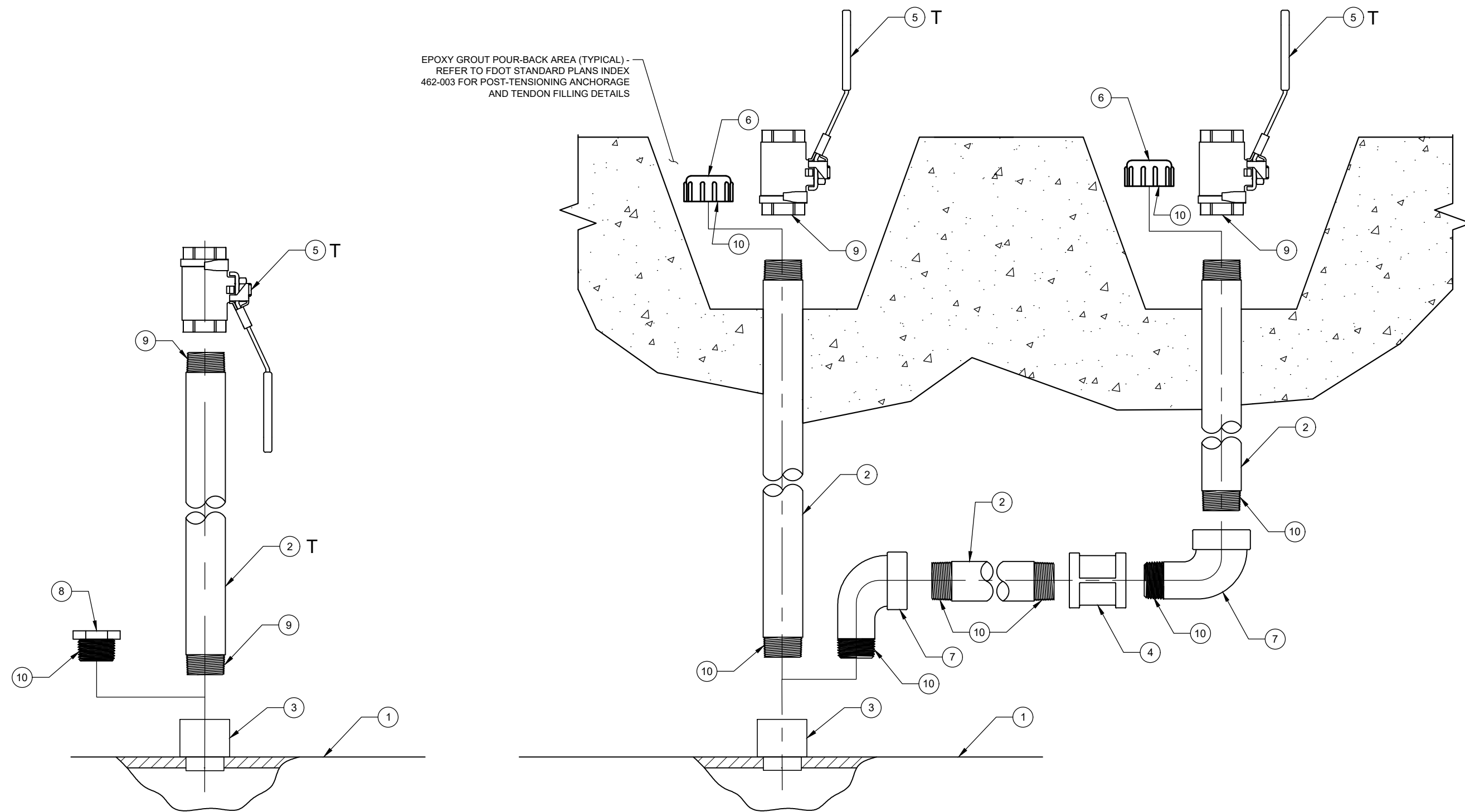
Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL
 STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD
 CORPORATE OFFICE COLUMBIA, MD 21046
 PHONE: (410) 860-7000
 structuraltechnologies.com

APPROVED FOR CONSTRUCTION
 NO DESCRIPTION

CDL ZX

BY CHK
 DATE 29JAN2020

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 |

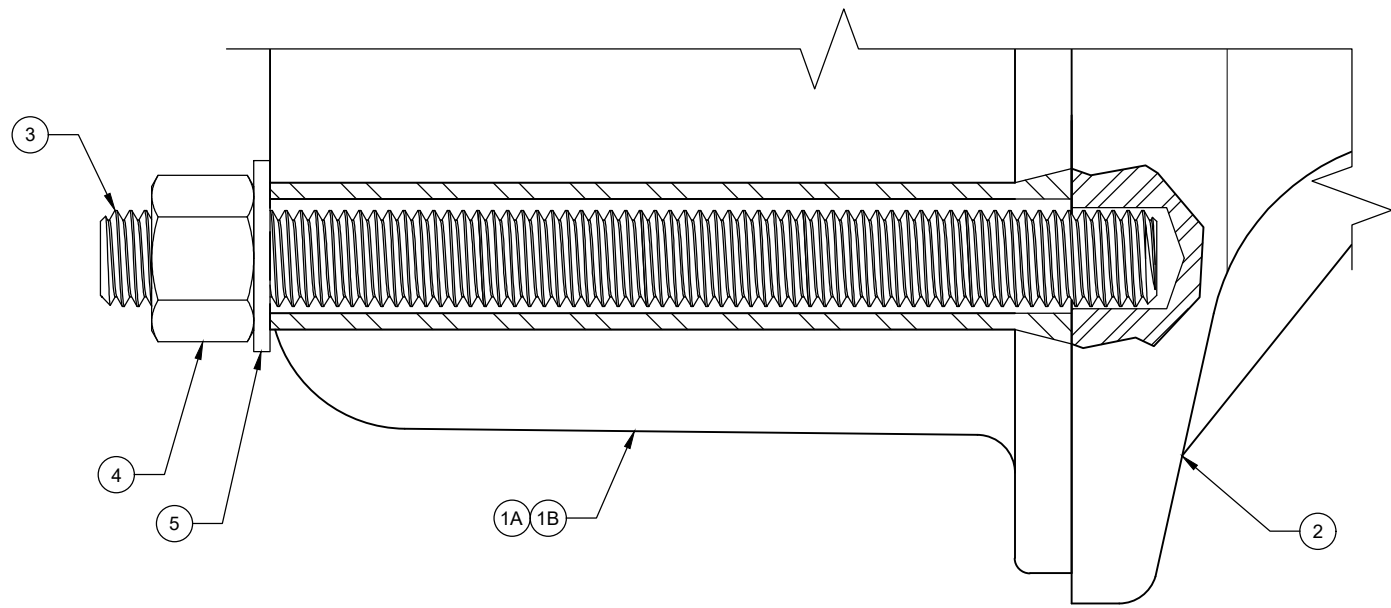
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 STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD
 CORPORATE OFFICE COLUMBIA, MD 21046

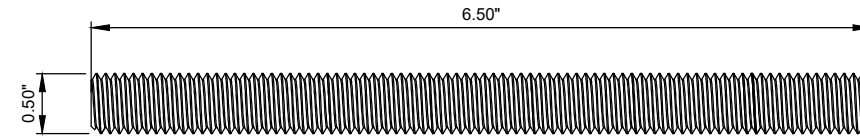
PHONE: (410) 850-7000
 structuraltechnologies.com

| | |
|----------------------|--|
| PROJECT INFORMATION: | SYSTEM DRAWING |
| TITLE: | FLEXIBLE FILLER INJECTION/VENT CONFIGURATION |
| PROJECT NO: | SYSTEM |
| SHEET NO: | NTS |
| | A439 |

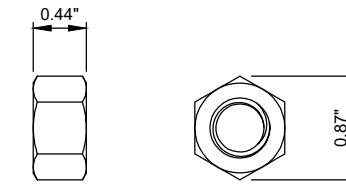
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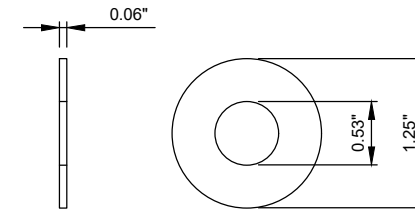
CAP TO BEARING PLATE BOLTED ASSEMBLY



3 1/2\"/>



4 1/2\"/>



5 1/2\"/>

| ITEM | QTY | DESCRIPTION | MATERIAL | INVENTORY # | DWG # |
|------|-------|--|--------------------------------|-------------|-------|
| 1A | 1 | ECI 6-12 ANCHORAGE CAP W/ 1/4" NPT HORIZ. PORT | ABS PER ASTM D4673 | 02GC61202 | C548 |
| 1B | 1 | ECI 6-12 ANCHORAGE CAP W/ 1/4" NPT VERT. PORT | ABS PER ASTM D4673 | 02GC61203 | C739 |
| 2 | 1 | ECI 6-12 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123 | IRON GR80-55-06 PER ASTM A536 | 02BP0037V | C737 |
| 3 | 1 SET | 1/2"-13 THREADED ROD X 6 1/2" | (316L) STAINLESS PER ASTM F593 | 02WX5021D | A442 |
| 4 | 1 SET | 1/2"-13 NUT | (316L) STAINLESS PER ASTM A240 | 02WX5021D | A442 |
| 5 | 1 SET | 1/2" WASHER | (316L) STAINLESS PER ASTM A240 | 02WX5021D | A442 |

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PROJECT INFORMATION:

SYSTEM DRAWING

ECI 6-12 BOLT ASSEMBLY FLEX FILLER

PROJECT NO:
SYSTEM

SCALE:
NTS

SHEET NO:

A442

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APPROVED FOR CONSTRUCTION

DESCRIPTION

NO

BY

CHK

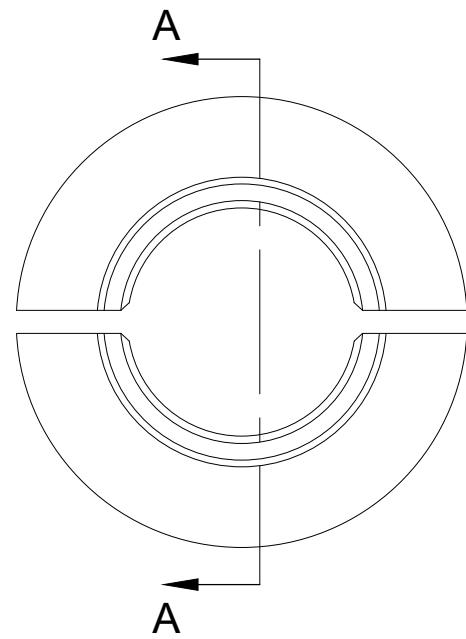
DATE

29JAN2020

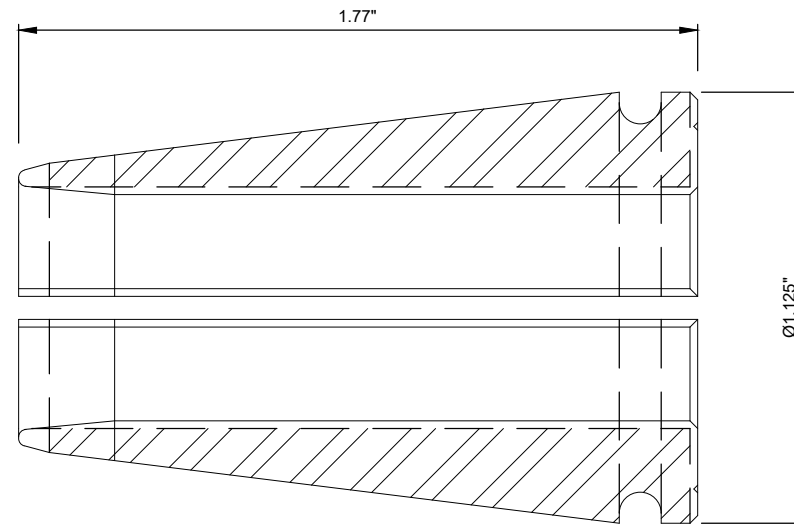
ZX

CDL

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:

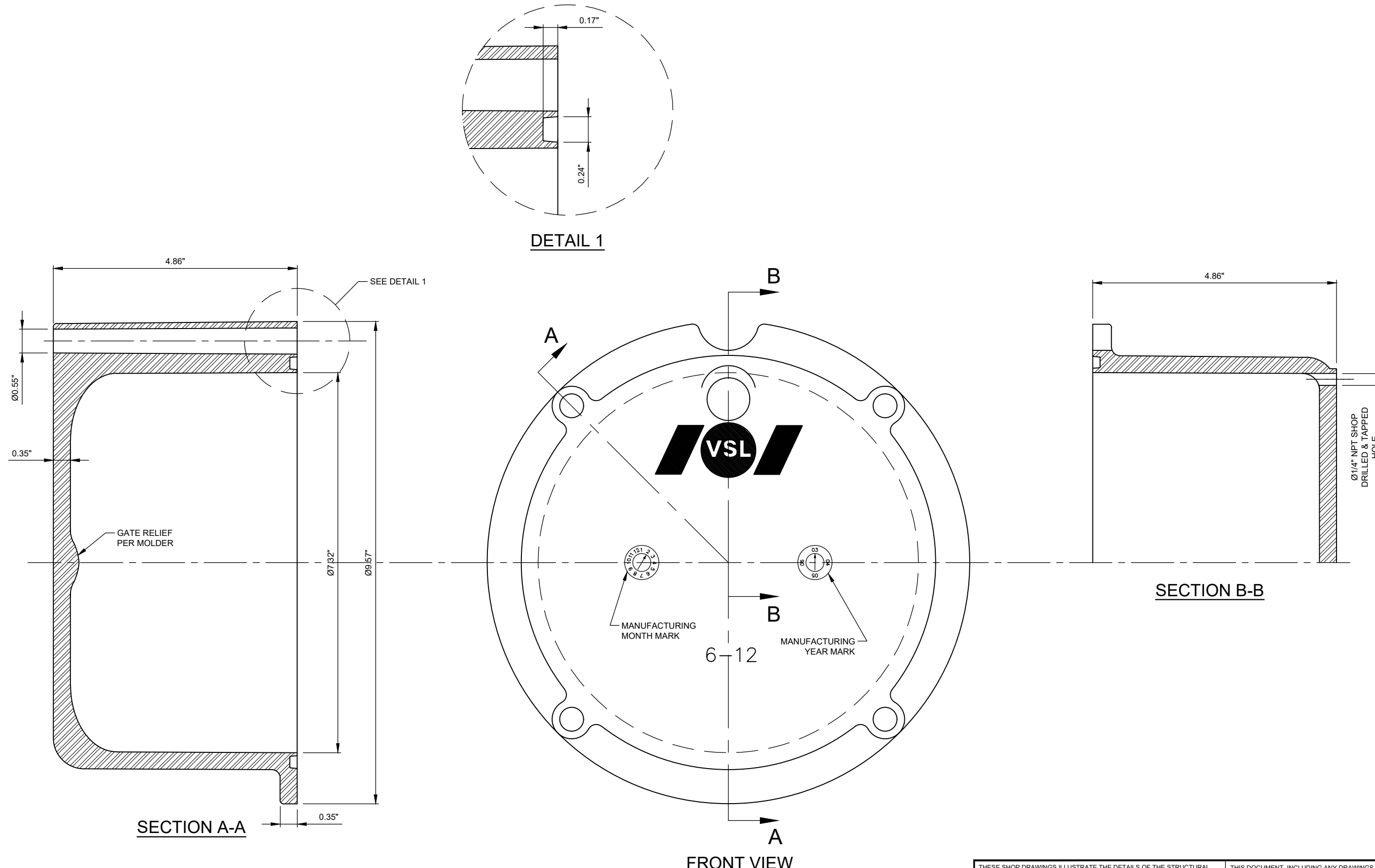
| | |
|-------------|---------------------------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | C218 |
| TITLE: | 0.6" MULTIWEDGE TYPE 1.6G |

| | |
|----|---------------------------|
| NO | APPROVED FOR CONSTRUCTION |
|----|---------------------------|

| | | |
|-----|-------------|-----------|
| CDL | ZX | 29JAN2020 |
| BY | CHK | DATE |
| NO | DESCRIPTION | |

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 CORPORATE OFFICE COLUMBIA, MD 21046
 PHONE: (410) 850-7000
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ELECTRONIC FILE LOCATION: I:\VSL_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Flexible Filler Submittal



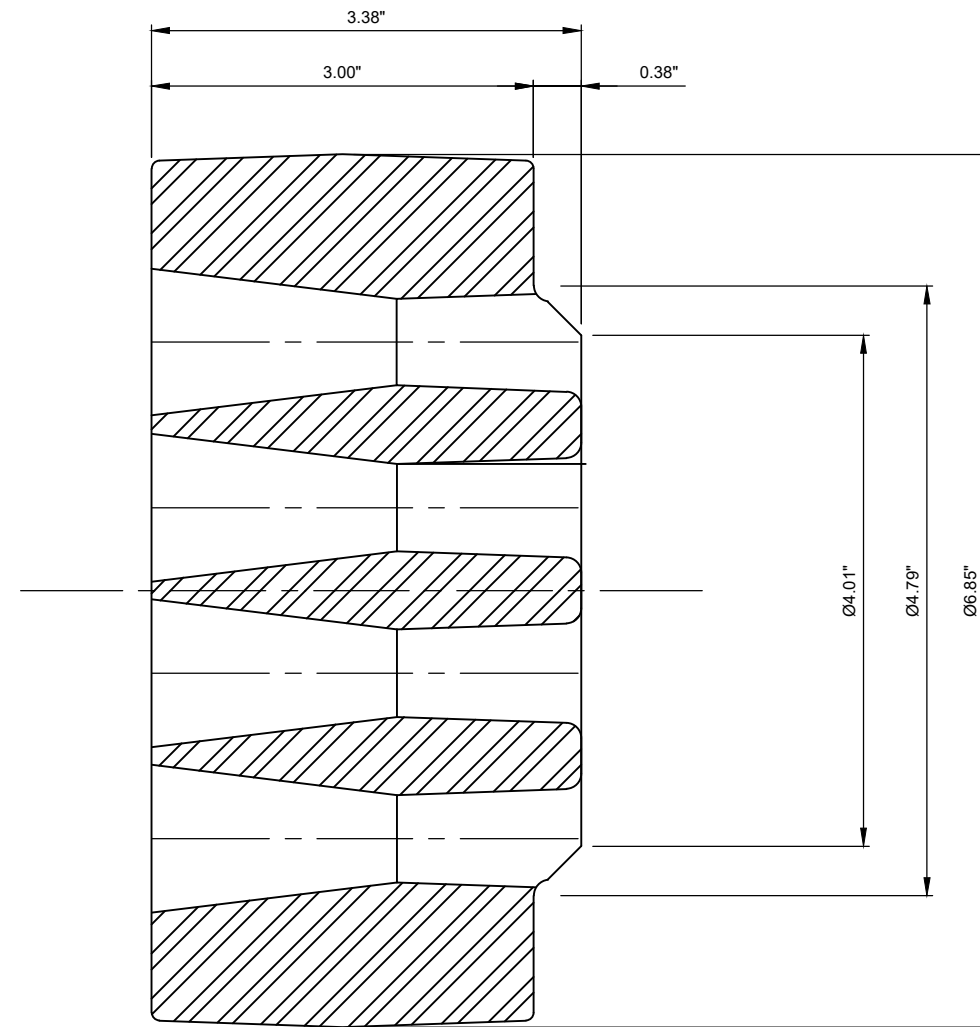
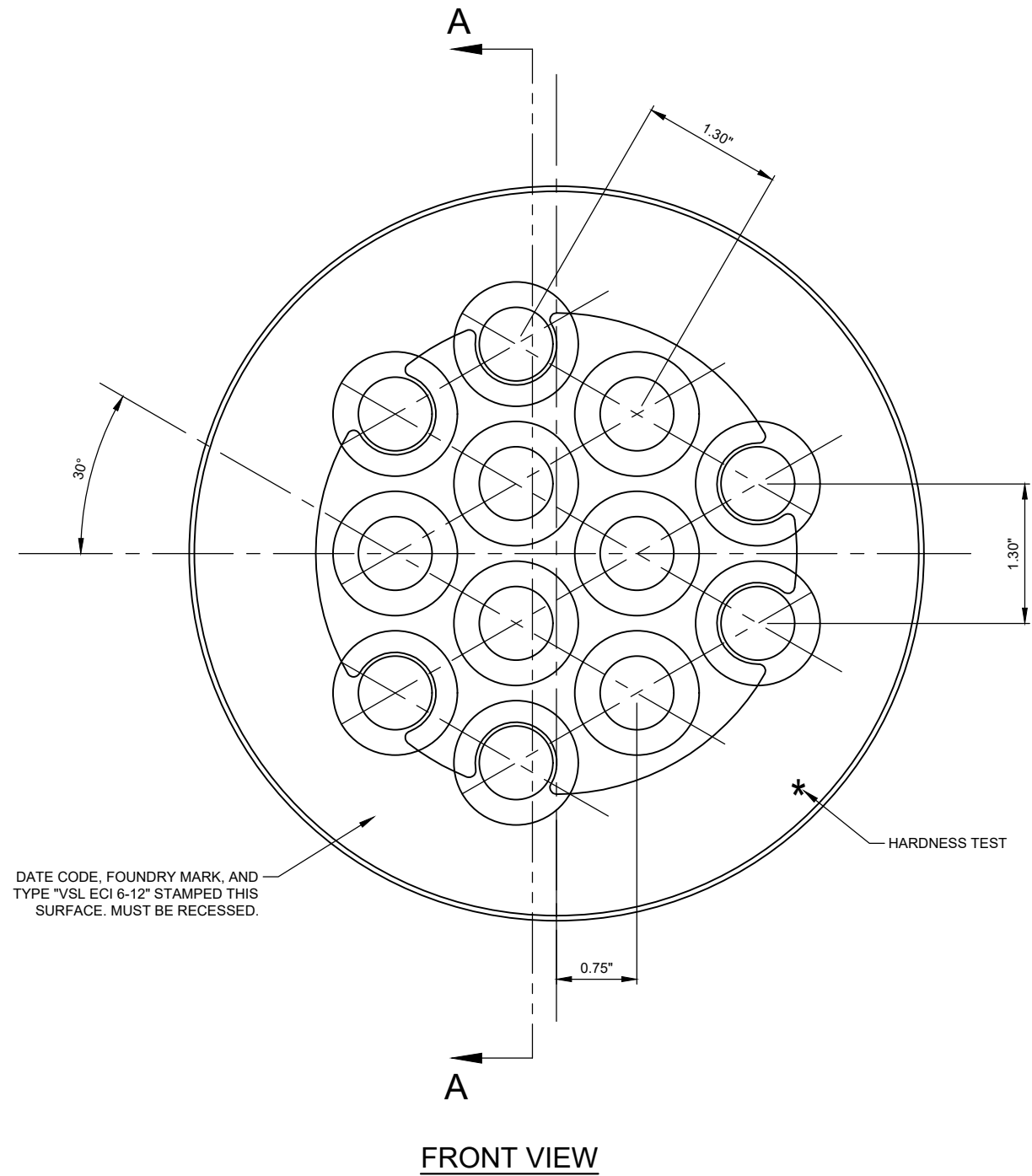
| DESCRIPTION | MATERIAL | INVENTORY # |
|--|--------------------------------|-------------|
| ECI 6-12 ANCHORAGE CAP W/ 1/4" HORIZONTAL PORT | ABS LUSTRAN 633 PER ASTM D4673 | 02GC61202 |

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|---|--------|---------------------------|--------|-----------|
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| | | DESCRIPTION | BY | CHK |
| <p>PROJECT INFORMATION:</p> <p>SYSTEM DRAWING</p> <p>TITLE: ECI 6-12 ANCHORAGE CAP W/ 1/4" NPT HORIZ. PORT</p> | | NO | | |
| PROJECT NO: | SYSTEM | SCALE: | NTS | |
| SHEET NO: | | | | C548 |

ELECTRONIC FILE LOCATION: I:\VSL_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Flexible Filler Submittal



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| DESCRIPTION | MATERIAL | INVENTORY # |
|----------------------|--------------------------------|-------------|
| ECI 6-12 ANCHOR HEAD | IRON GR 80-55-06 PER ASTM A536 | 02AH0037 |

PROJECT INFORMATION:

SYSTEM DRAWING

ECI 6-12 ANCHOR HEAD

PROJECT NO:
SYSTEM

SCALE:
NTS

SHEET NO:

C556

NO

APPROVED FOR CONSTRUCTION

BY

CDL ZX

CHK

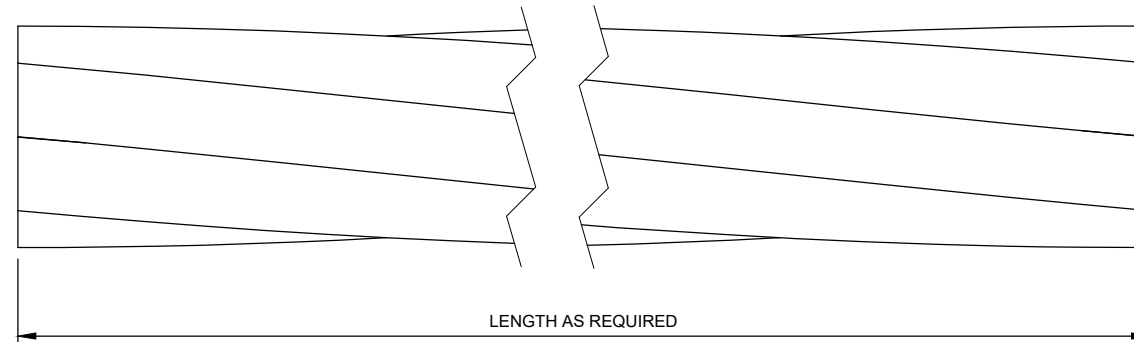
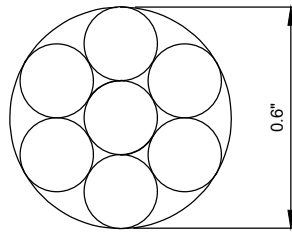
DATE

29JAN2020

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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

SHEET NO:

SCALE:
NTS

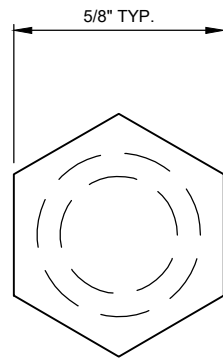
C674

structural TECHNOLOGIES

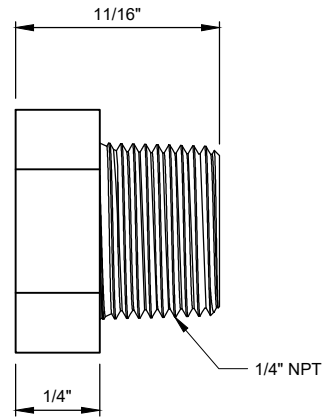
Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL
 STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD
 CORPORATE OFFICE COLUMBIA, MD 21046
 PHONE: (410) 850-7000
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| | | | | |
|----|----|---------------------------|--------|-----------|
| NO | NO | APPROVED FOR CONSTRUCTION | CDL ZX | 29JAN2020 |
| | | DESCRIPTION | BY | CHK |
| | | | | |

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

SCALE:
NTS

SHEET NO:

C693

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 PHONE: (410) 850-7000
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APPROVED FOR CONSTRUCTION

NO

CDL ZX

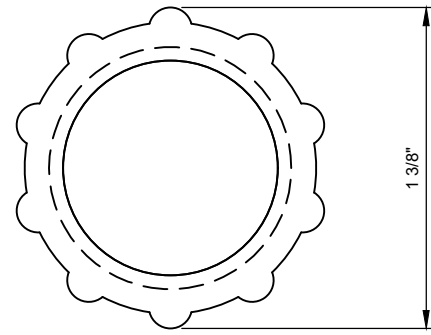
BY

CHK

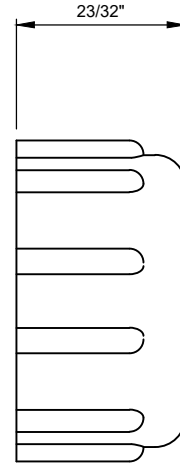
DATE

29JAN2020

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:

SYSTEM DRAWING

RIBBED CAP W/ 3/4" FNPT

PROJECT NO:
SYSTEM

SHEET NO:

SCALE:
NTS

C701

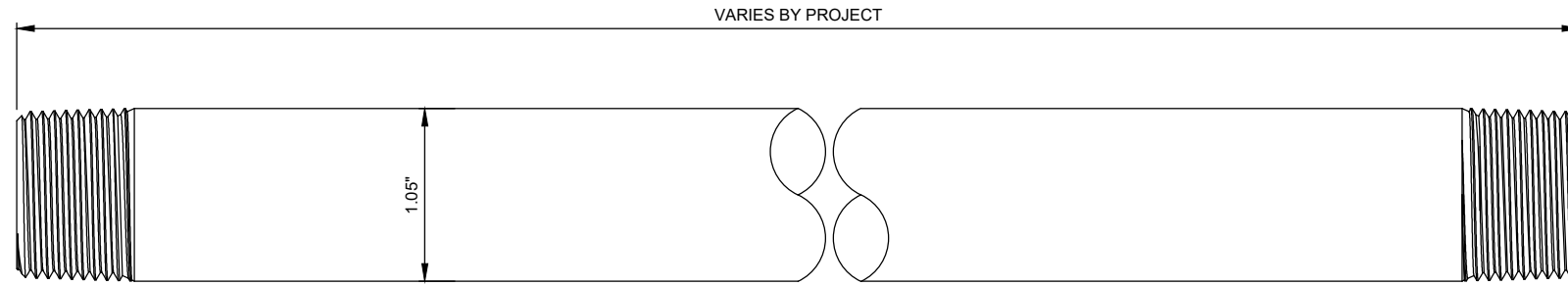
NO

APPROVED FOR CONSTRUCTION
DESCRIPTION

CDL ZX
BY
CHK
29JAN2020
DATE

structural TECHNOLOGIES
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 CORPORATE OFFICE COLUMBIA, MD 21046
 PHONE: (410) 860-7000
 structuraltechnologies.com

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



SIDE VIEW

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

PROJECT INFORMATION:

| | |
|-------------|--------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | NTS |
| C722 | |

SYSTEM DRAWING

3/4" NPT STEEL NIPPLE

structural TECHNOLOGIES

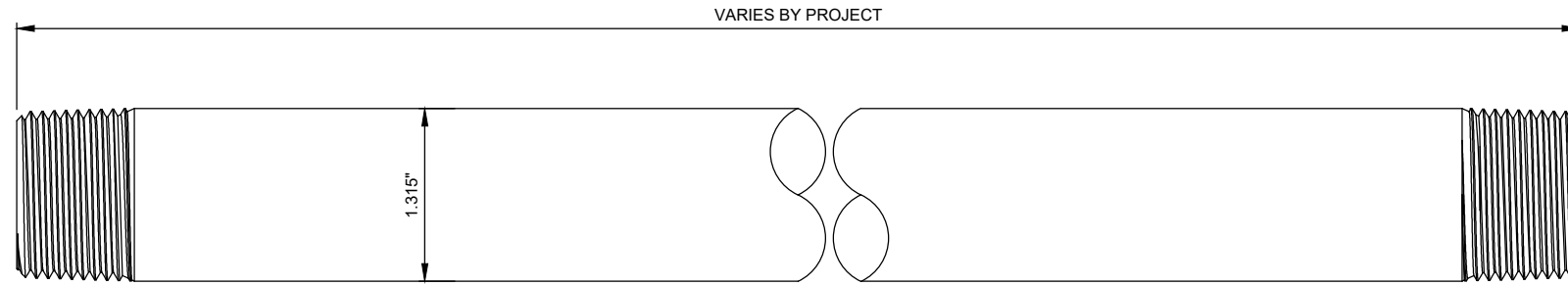
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|----|---------------------------|--------|-----------|
| NO | APPROVED FOR CONSTRUCTION | CDL ZX | 29JAN2020 |
| NO | DESCRIPTION | BY | DATE |

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 | - |

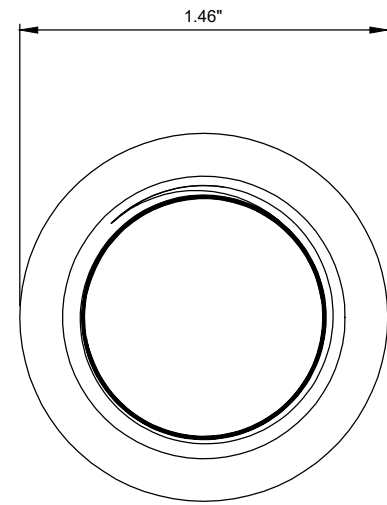
PROJECT INFORMATION:

| | |
|-------------|---------------------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | C725 |
| TITLE: | 1" NPT STEEL NIPPLE |

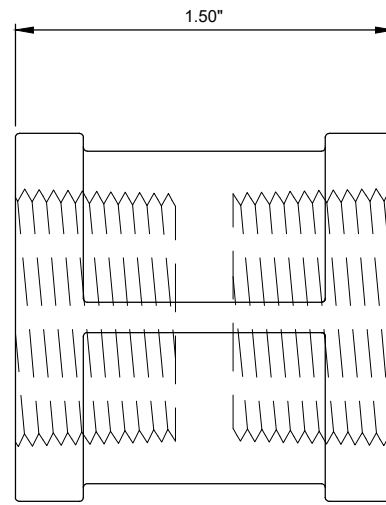
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| | | | |
|----|---------------------------|--------|-----------|
| NO | APPROVED FOR CONSTRUCTION | CDL ZX | 29JAN2020 |
| NO | DESCRIPTION | BY | DATE |

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

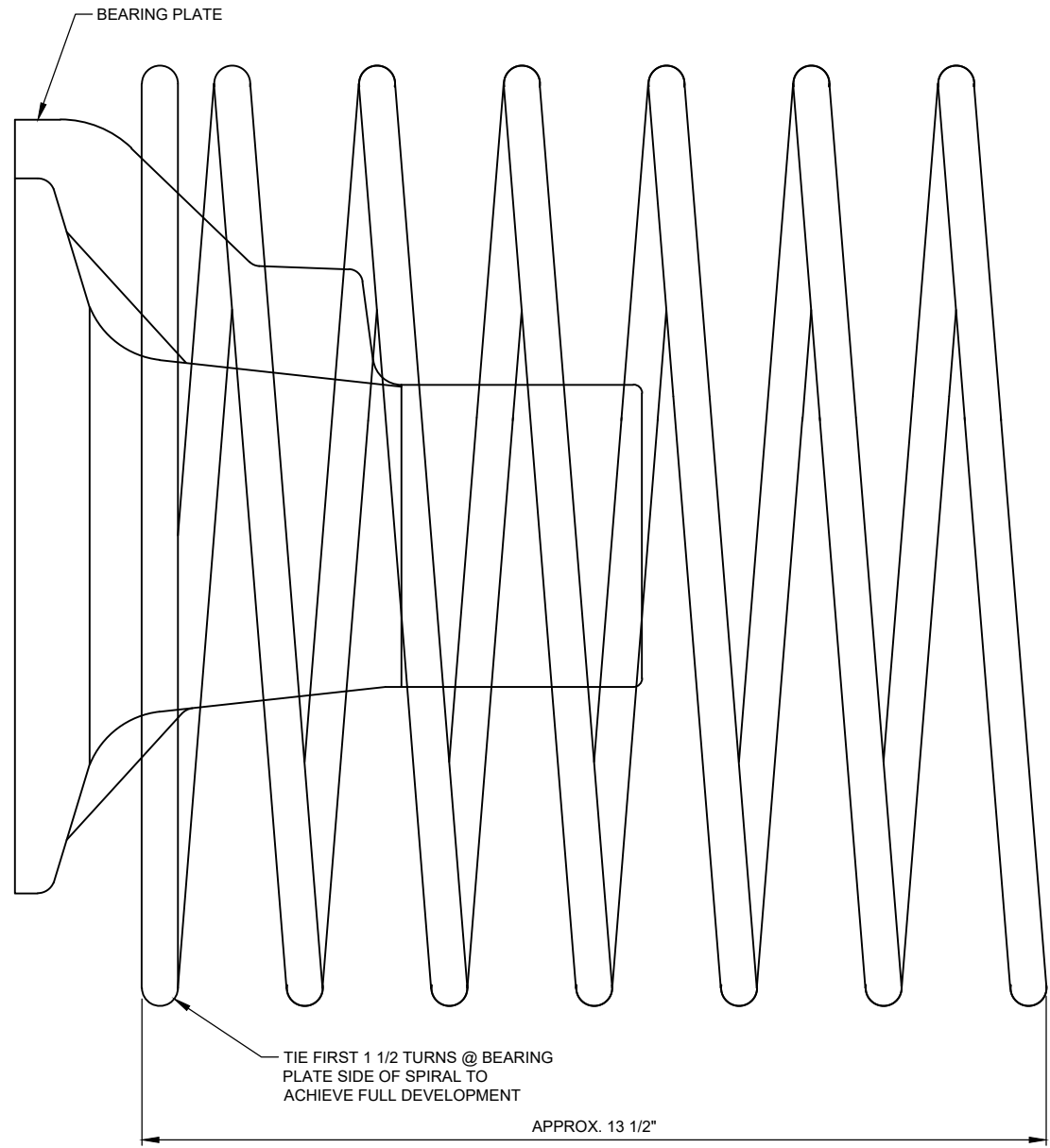
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29JAN2020

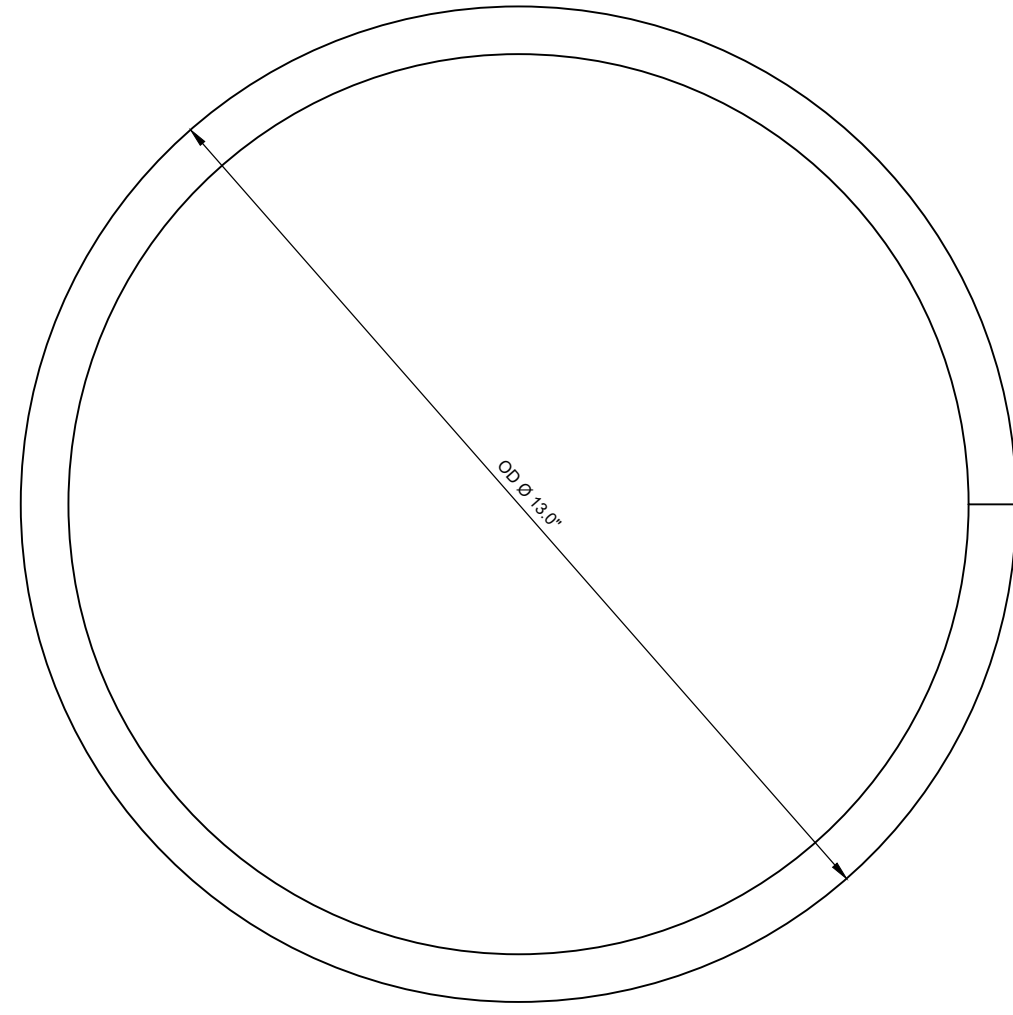
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ELECTRONIC FILE LOCATION: I:\VSI_System Drawings\Work In Progress Drawings\Florida DOT_Test 2017\ECI 6-12 Flexible Filler Submittal



SIDE VIEW



FRONT VIEW

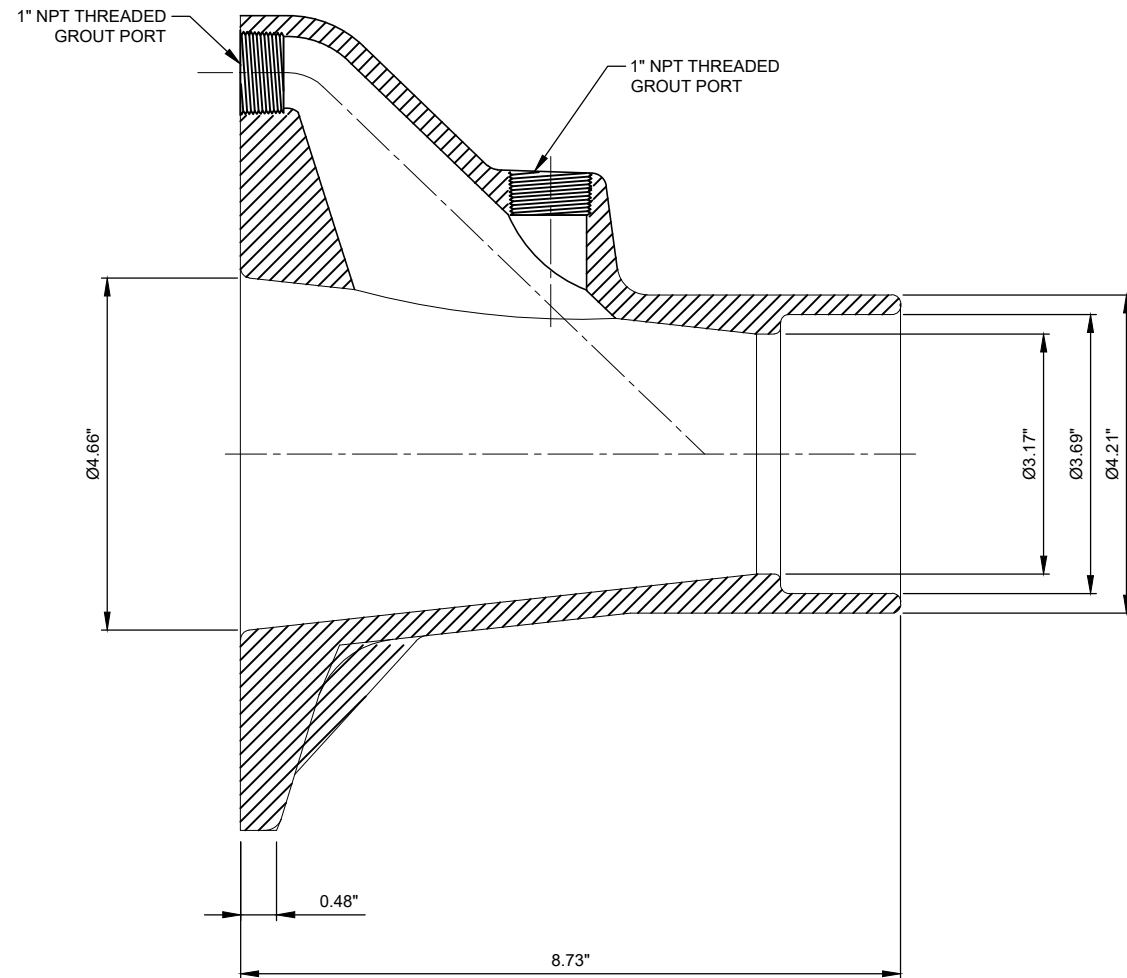
- NOTE:
1. THESE SPIRALS ARE TO BE IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS AND CONTRACT DRAWINGS
 2. CONCRETE STRENGTH SHOWN IN SPIRAL NAME AS #XXXX WHERE # = PSI

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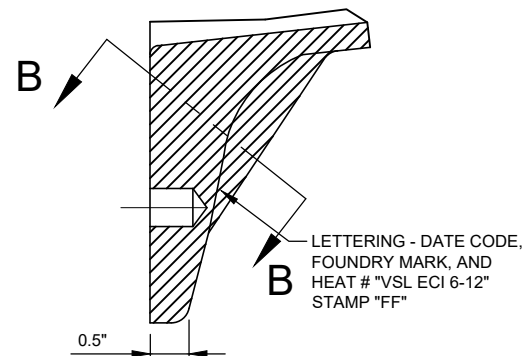
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| DESCRIPTION | MATERIAL | INVENTORY # |
|---|------------------------------|-------------|
| ECI 6-12 SPIRAL #3500 (#5, DIA. 13", 2" PITCH, 7 TURNS) | GR 60 STEEL AS PER ASTM A615 | 02BP0096 |
| ECI 6-12 SPIRAL #5500 (#4, DIA. 13", 2" PITCH, 7 TURNS) | GR 60 STEEL AS PER ASTM A615 | 02BP0097 |

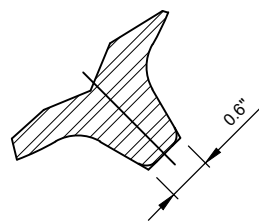
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|---|--------|---------------------------|--------|-------------|
| <p>structural TECHNOLOGIES</p> <p>Dallas, TX / Washington DC / Denver, CO / Pompano Beach, FL</p> <p>STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD COLUMBIA, MD 21046</p> <p>PHONE: (410) 860-7000 structuraltechnologies.com</p> | | APPROVED FOR CONSTRUCTION | CDL ZX | 29JAN2020 |
| | | DESCRIPTION | BY | CHK |
| <p>PROJECT INFORMATION:</p> <p>SYSTEM DRAWING</p> <p>ECI 6-12 SPIRAL</p> | | NO | | |
| PROJECT NO: | SYSTEM | SCALE: | NTS | |
| SHEET NO: | | | | C729 |



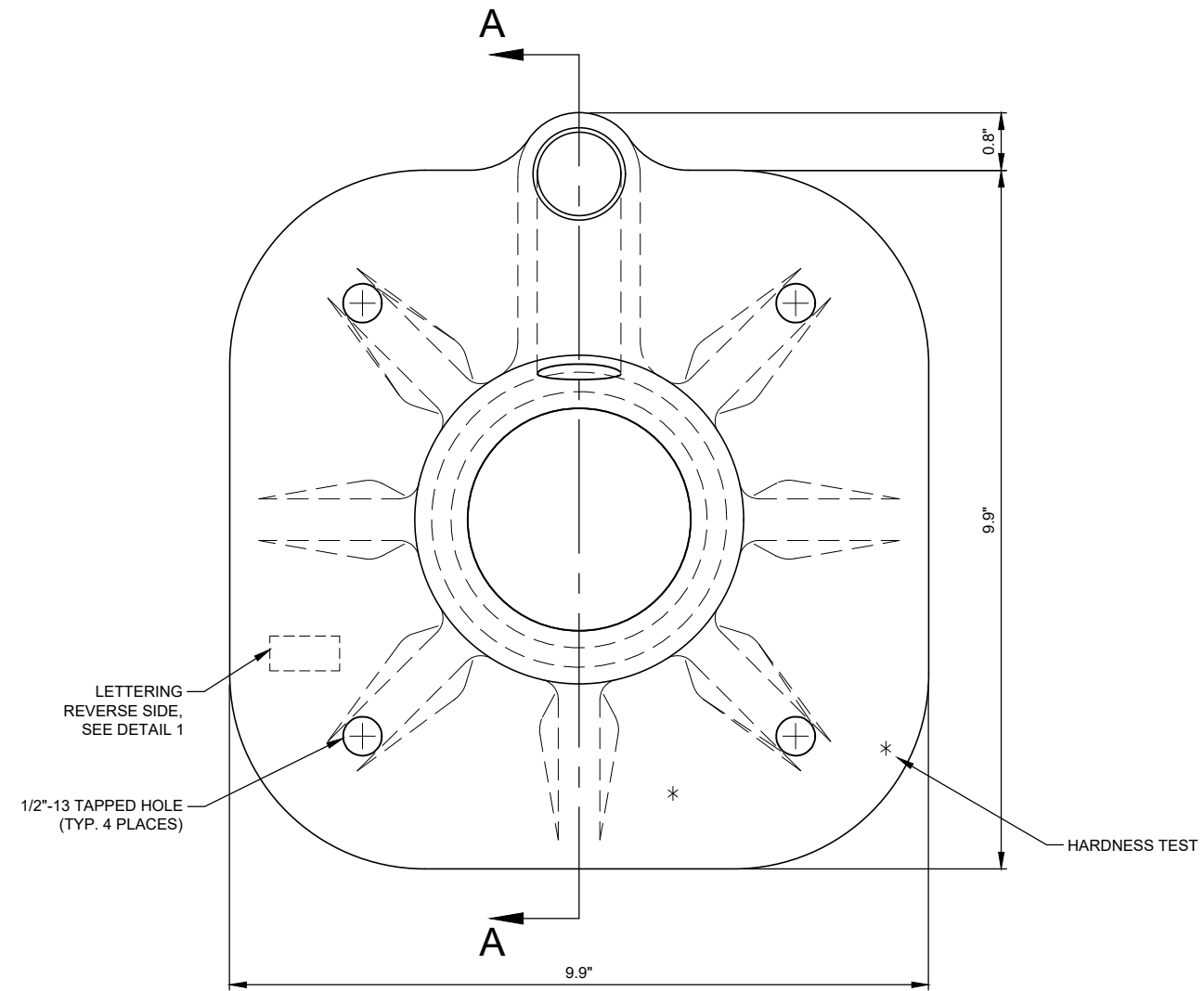
SECTION A-A



DETAIL 1



SECTION B-B



BACK VIEW

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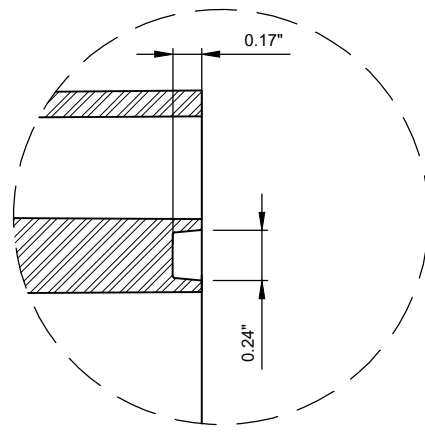
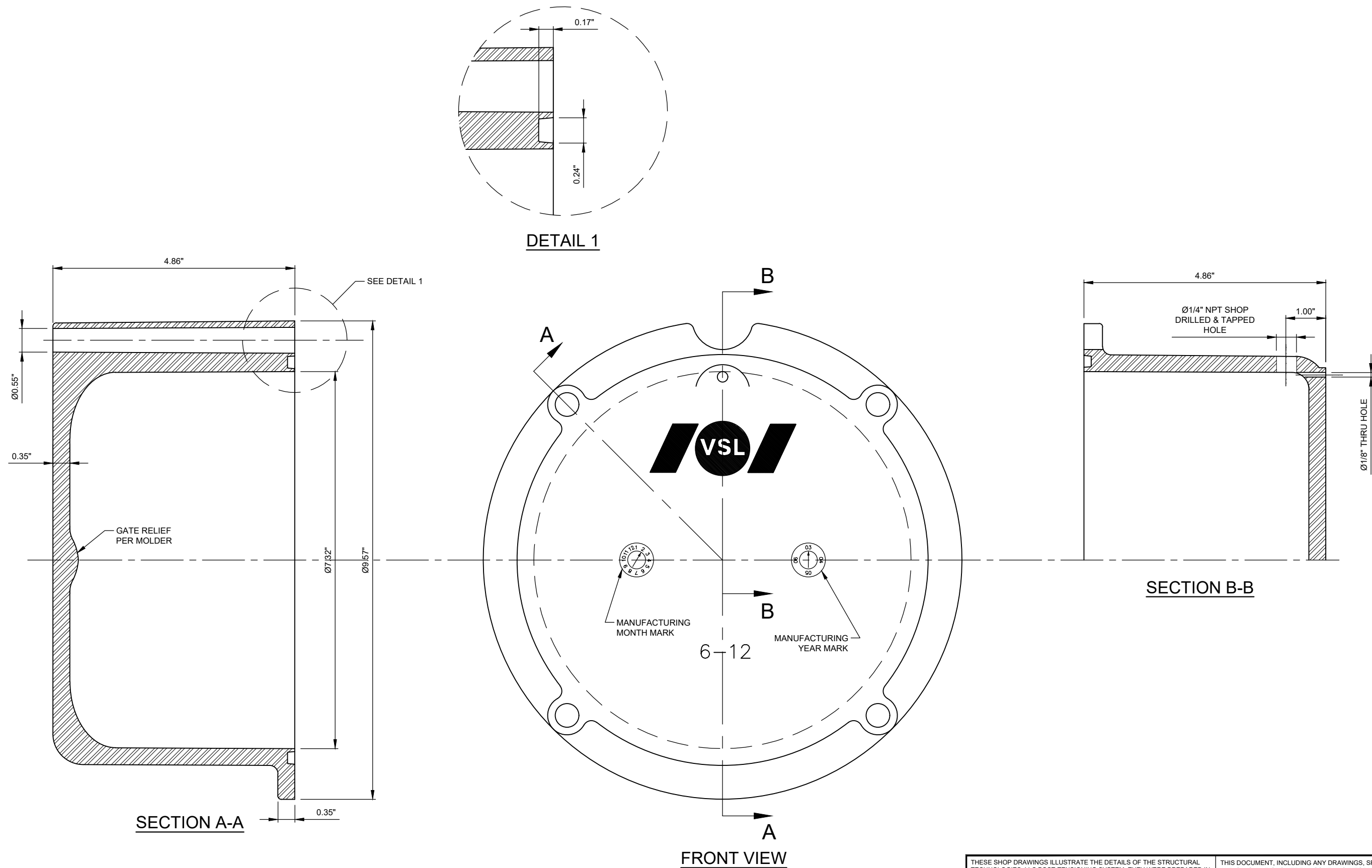
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ELECTRONIC FILE LOCATION: I:\VSL_System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Flexible Filler Submittal

| DESCRIPTION | MATERIAL | INVENTORY # |
|--|------------------------------------|-------------|
| ECI 6-12 BEARING PLATE W/ 1" NPT PORT GALVANIZED PER ASTM A123 | CAST IRON GR80-55-06 PER ASTM A536 | 02BP0037V |

| | | | |
|---|--------|--------------------|------|
| PROJECT INFORMATION: | | SYSTEM DRAWING | |
| TITLE: ECI 6-12 BEARING PLATE W/ 1" NPT PORT | | PROJECT NO: SYSTEM | |
| SCALE: NTS | | SHEET NO: C737 | |
| APPROVED FOR CONSTRUCTION | CDL ZX | 18FEB2020 | DATE |
| DESCRIPTION | BY | CHK | DATE |
| NO | NO | NO | NO |
| <p>structural TECHNOLOGIES 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\ECI 6-12 Flexible Filler Submittal



DETAIL 1

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

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 PHONE: (410) 860-7000
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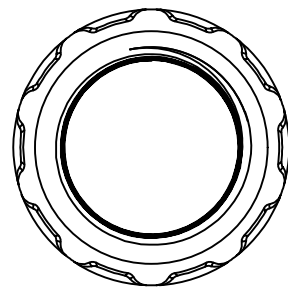
| | | | |
|----------------------|----------------|--------|--|
| PROJECT INFORMATION: | SYSTEM DRAWING | TITLE: | ECI 6-12 ANCHORAGE CAP W/ 1/4" VERTICAL PORT |
| PROJECT NO: | SYSTEM | SCALE: | NTS |
| SHEET NO: | | | C739 |

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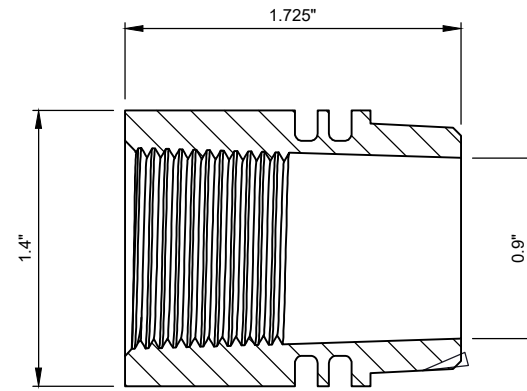
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| DESCRIPTION | MATERIAL | INVENTORY # |
|--|--------------------------------|-------------|
| ECI 6-12 ANCHORAGE CAP W/ 1/4" VERTICAL PORT | ABS LUSTRAN 633 PER ASTM D4673 | 02GC61203 |

ELECTRONIC FILE LOCATION: I:\SVI\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

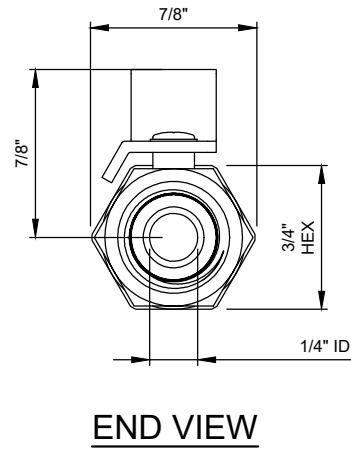
BY
CDL ZX

DESCRIPTION

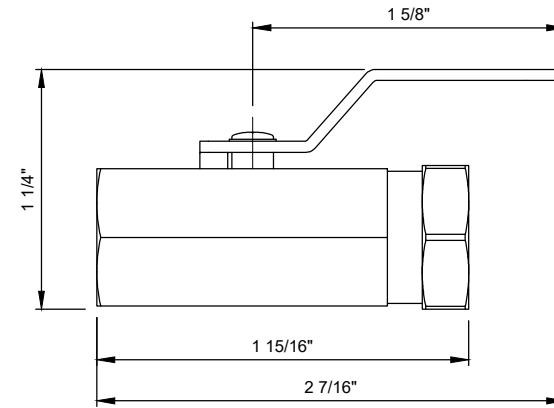
DATE
29JAN2020

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 STRUCTURAL TECHNOLOGIES, LLC 10150 OLD COLUMBIA RD
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ELECTRONIC FILE LOCATION: I:\S\1\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

SCALE:
NTS

SHEET NO:

C744

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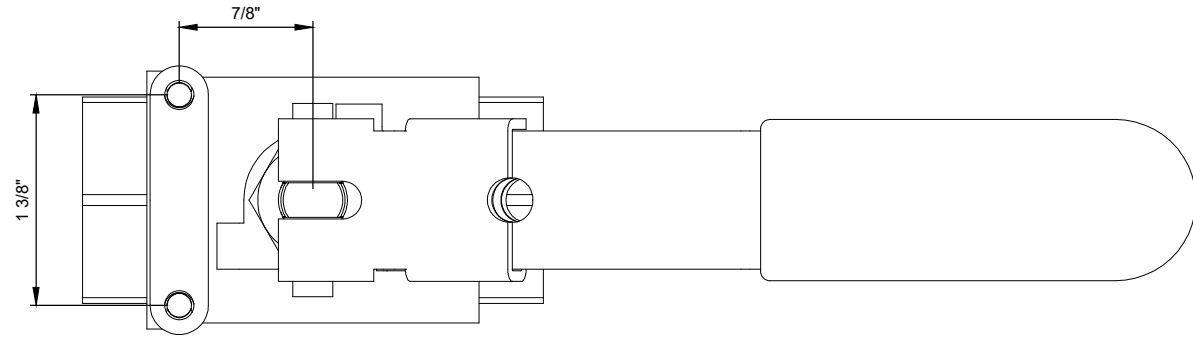
APPROVED FOR CONSTRUCTION

NO

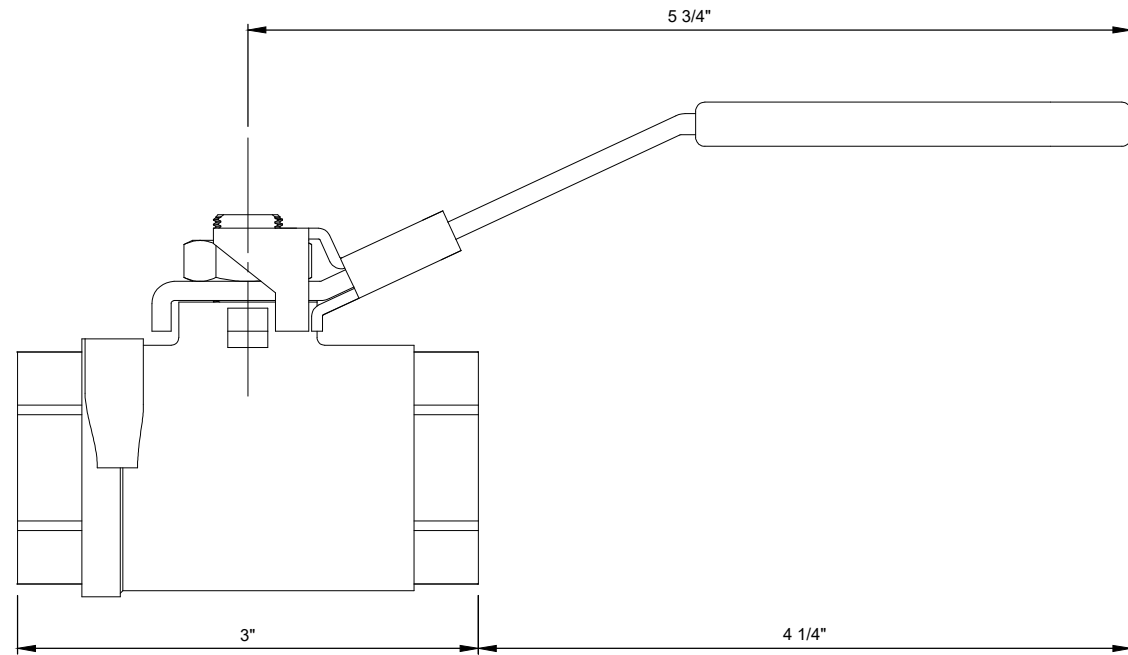
CDL ZX 29JAN2020

DESCRIPTION

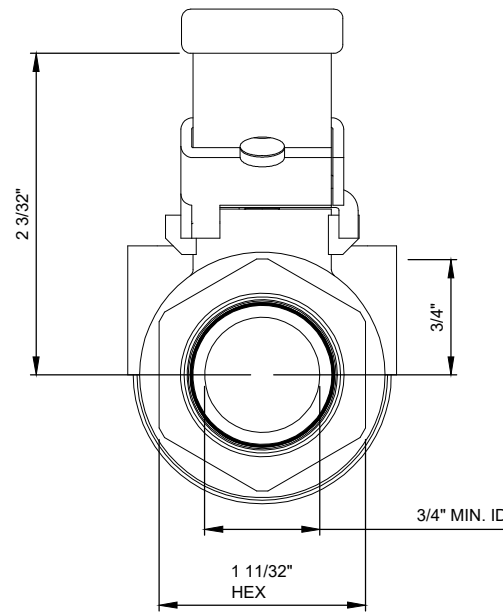
BY CHK DATE



TOP VIEW



SIDE VIEW



END VIEW

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

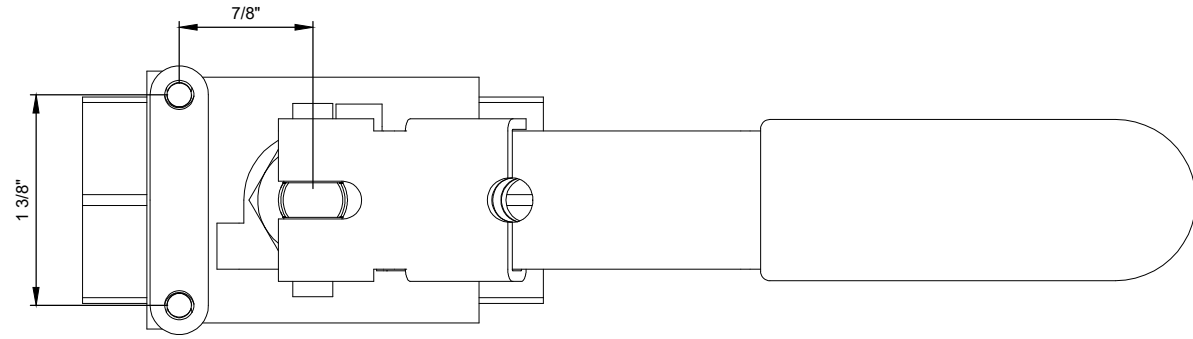
| DESCRIPTION | MATERIAL | INVENTORY # |
|--|--------------|-------------|
| STEEL 1/4 TURN BALL VALVE W/ 3/4" FNPT | SCH 40 STEEL | 02DT01925 |

NOTE: THIS IS A TEMPORARY PART.

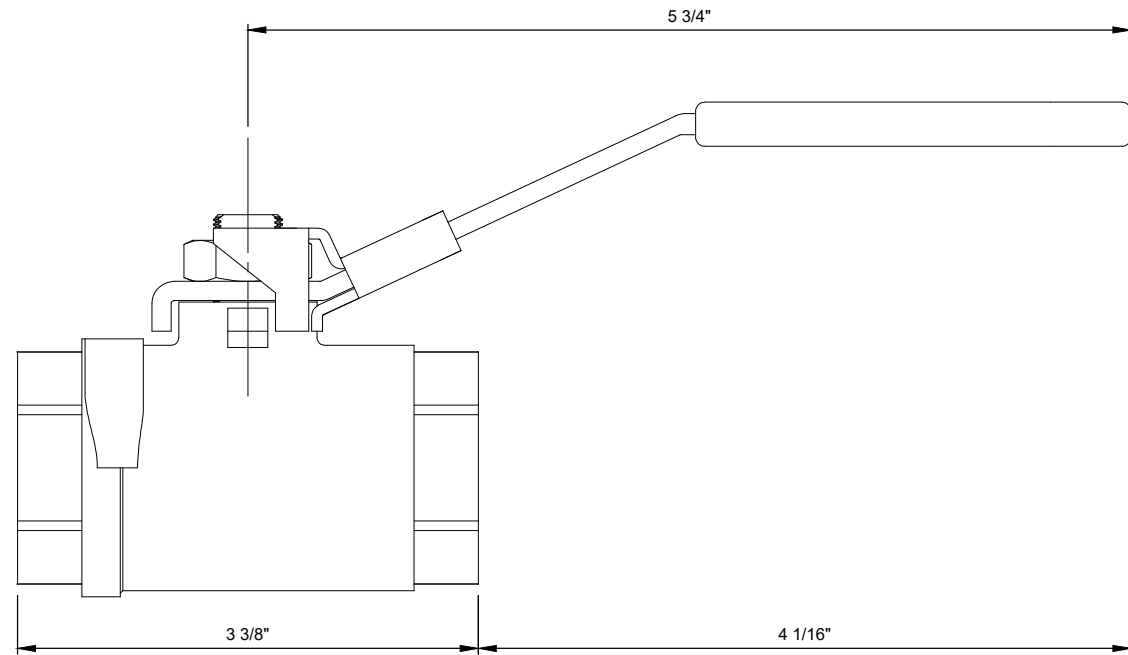
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|----|---------------------------|--------|-----------|
| NO | APPROVED FOR CONSTRUCTION | CDL ZX | 29JAN2020 |
| NO | DESCRIPTION | BY | DATE |

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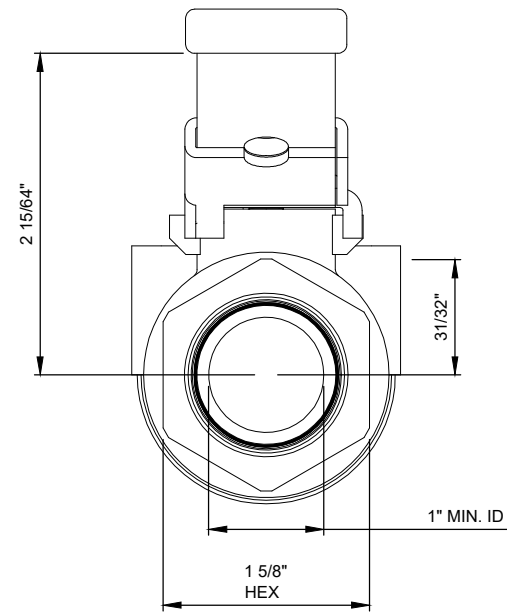
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|----------------------|----------------|---|
| PROJECT INFORMATION: | SYSTEM DRAWING | TITLE: STEEL 1/4 TURN BALL VALVE W/ 3/4" FNPT |
| PROJECT NO: SYSTEM | SCALE: NTS | |
| SHEET NO: | | C745 |



TOP VIEW



SIDE VIEW



END VIEW

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

NOTE: THIS IS A TEMPORARY PART.

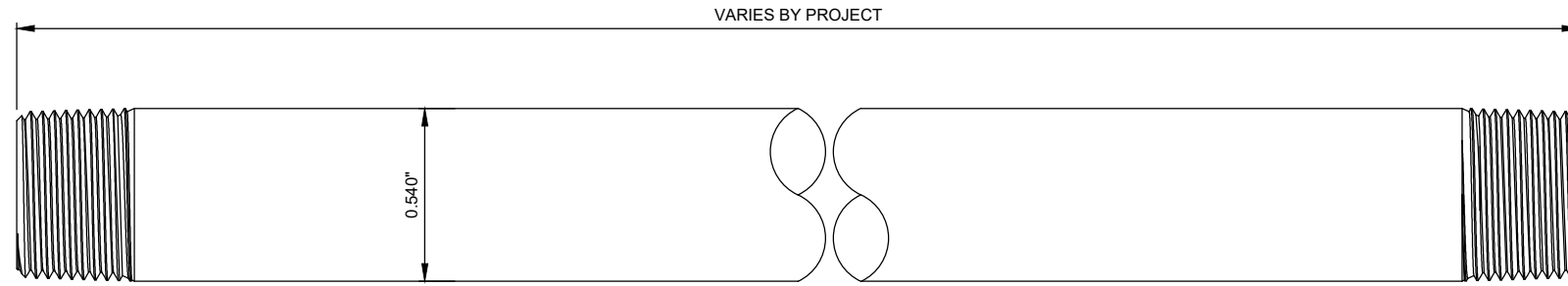
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|----|---------------------------|--------|-----------|
| NO | APPROVED FOR CONSTRUCTION | CDL ZX | 29JAN2020 |
| NO | DESCRIPTION | BY | DATE |

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 COLUMBIA, MD 21046

| | |
|----------------------|--------------------------------------|
| PROJECT INFORMATION: | SYSTEM DRAWING |
| TITLE: | 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

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

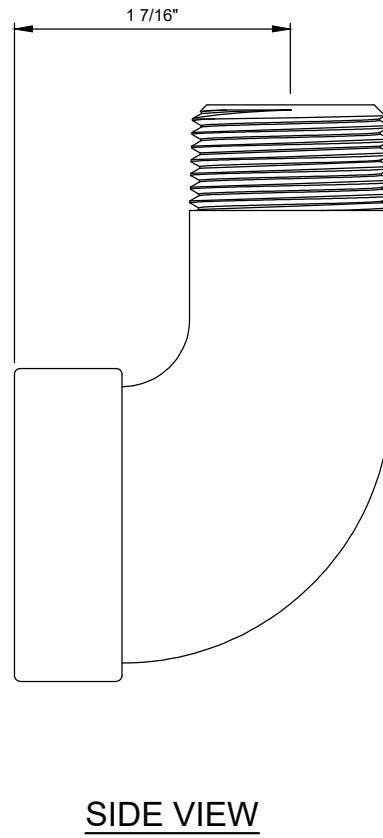
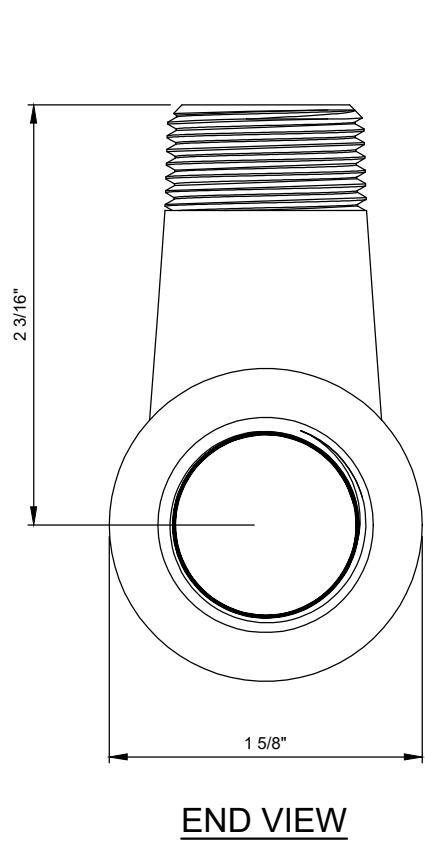
PROJECT INFORMATION:

| | |
|-------------|-----------------------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | C749 |
| TITLE: | 1/4" NPT STEEL NIPPLE |
| SCALE: | NTS |

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

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

PROJECT INFORMATION:

| | |
|-------------|--------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | NTS |
| C750 | |

SYSTEM DRAWING

3/4" FNPT X MNPT STEEL ELBOW

structural TECHNOLOGIES

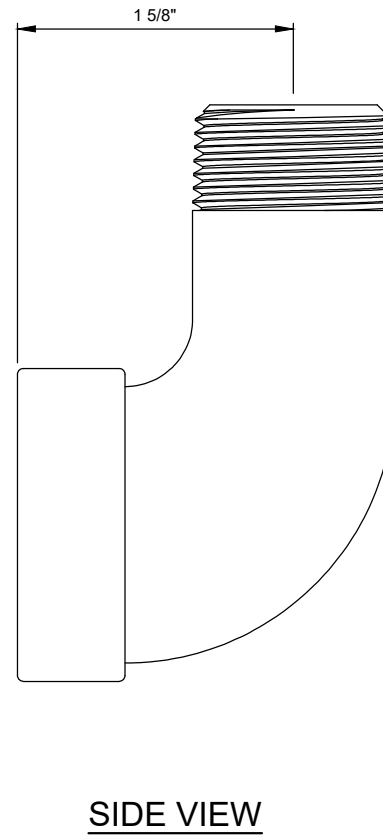
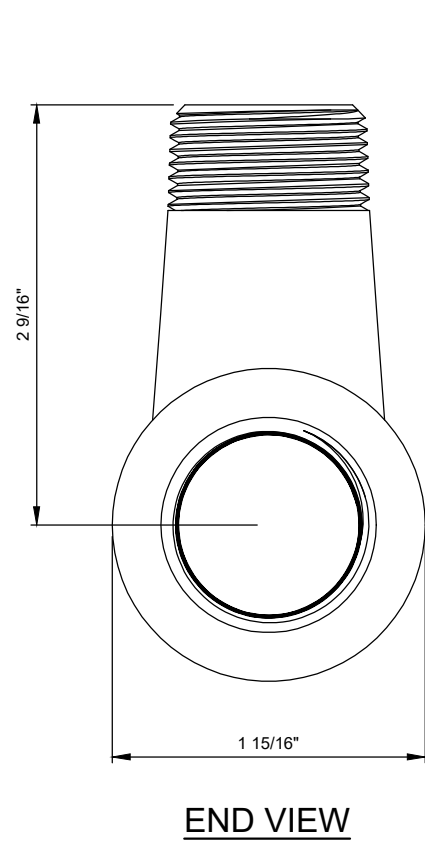
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| NO | APPROVED FOR CONSTRUCTION | BY | CHK | DATE |
| NO | DESCRIPTION | CDL | ZX | 29JAN2020 |

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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

structural TECHNOLOGIES

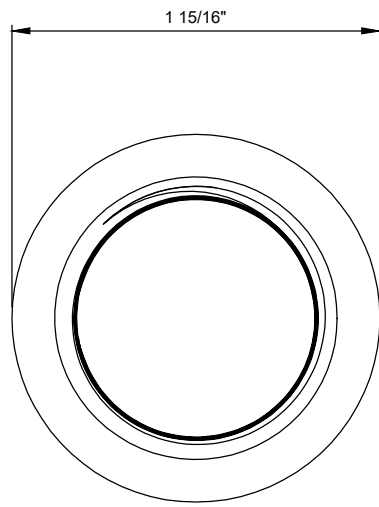
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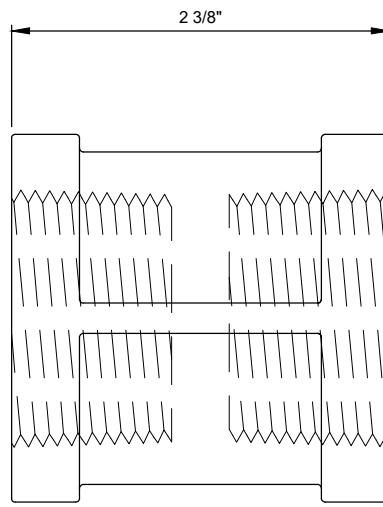
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|----|---------------------------|-----|-----|-----------|
| NO | APPROVED FOR CONSTRUCTION | BY | CHK | DATE |
| NO | DESCRIPTION | CDL | ZX | 29JAN2020 |

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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

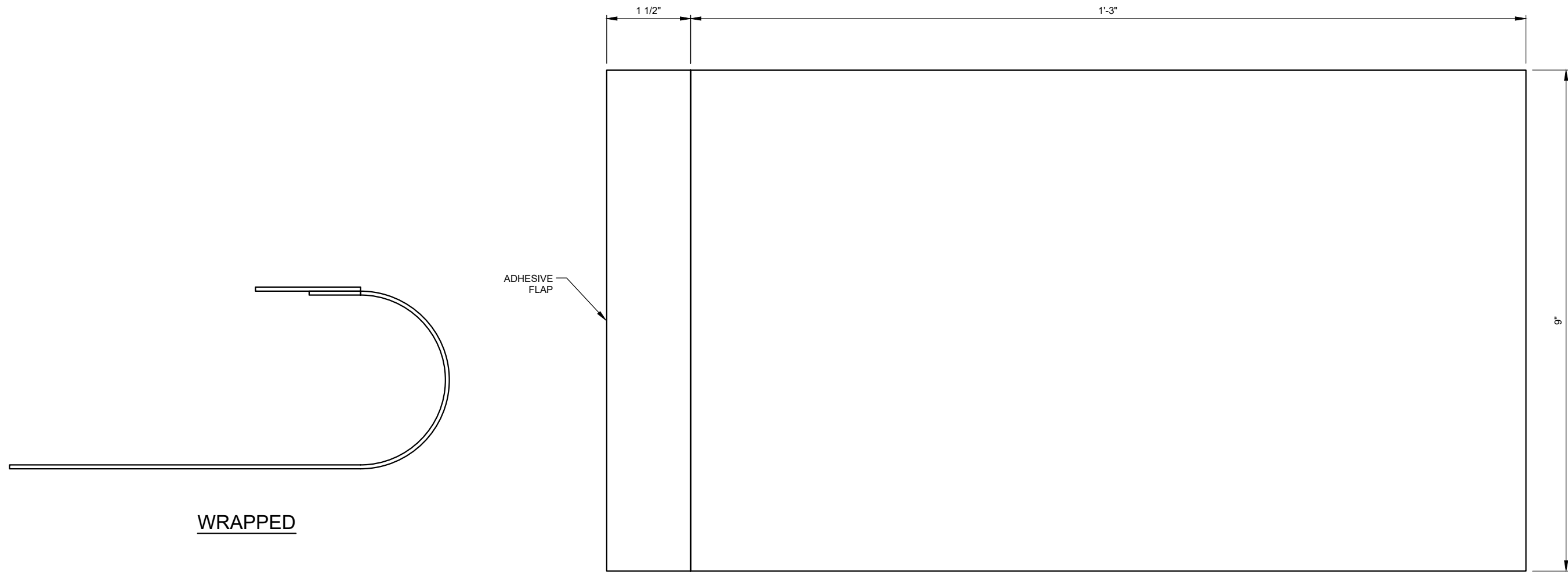
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APPROVED FOR CONSTRUCTION
DESCRIPTION

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| CDL | ZX | 29JAN2020 |
| BY | CHK | DATE |

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ELECTRONIC FILE LOCATION: I:\SVS\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\EC 6-12 Flexible Filler Submittal



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ADHESIVE FLAP

UNWRAPPED

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

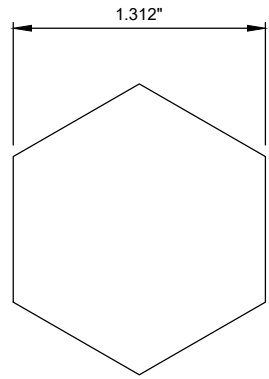
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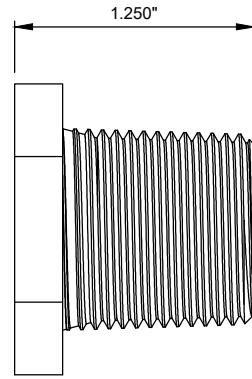
| DESCRIPTION | MATERIAL | INVENTORY # |
|--|---|-------------|
| CANUSA KLNN-90 WS BK/L 9" HEAT SHRINK SLEEVE | POLYOLEFIN PER FDOT 960 TABLE 2.2.1.8-1 | 02DT0513 |

| | | | |
|----------------------|--------|--|-------------------------------|
| PROJECT INFORMATION: | | SYSTEM DRAWING | |
| PROJECT NO: | SYSTEM | TITLE: | KLNN-90 9" HEAT SHRINK SLEEVE |
| SHEET NO: | | SCALE: | NTS |
| | | C761 | |
| | | <p>structural TECHNOLOGIES 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> | |
| | | APPROVED FOR CONSTRUCTION | NO |
| | | CDL ZX | BY CHK |
| | | | DATE |
| | | | 29JAN2020 |

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



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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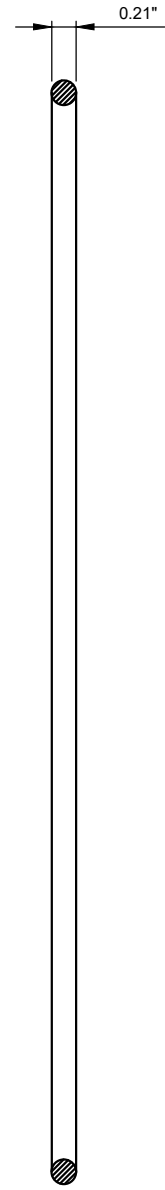
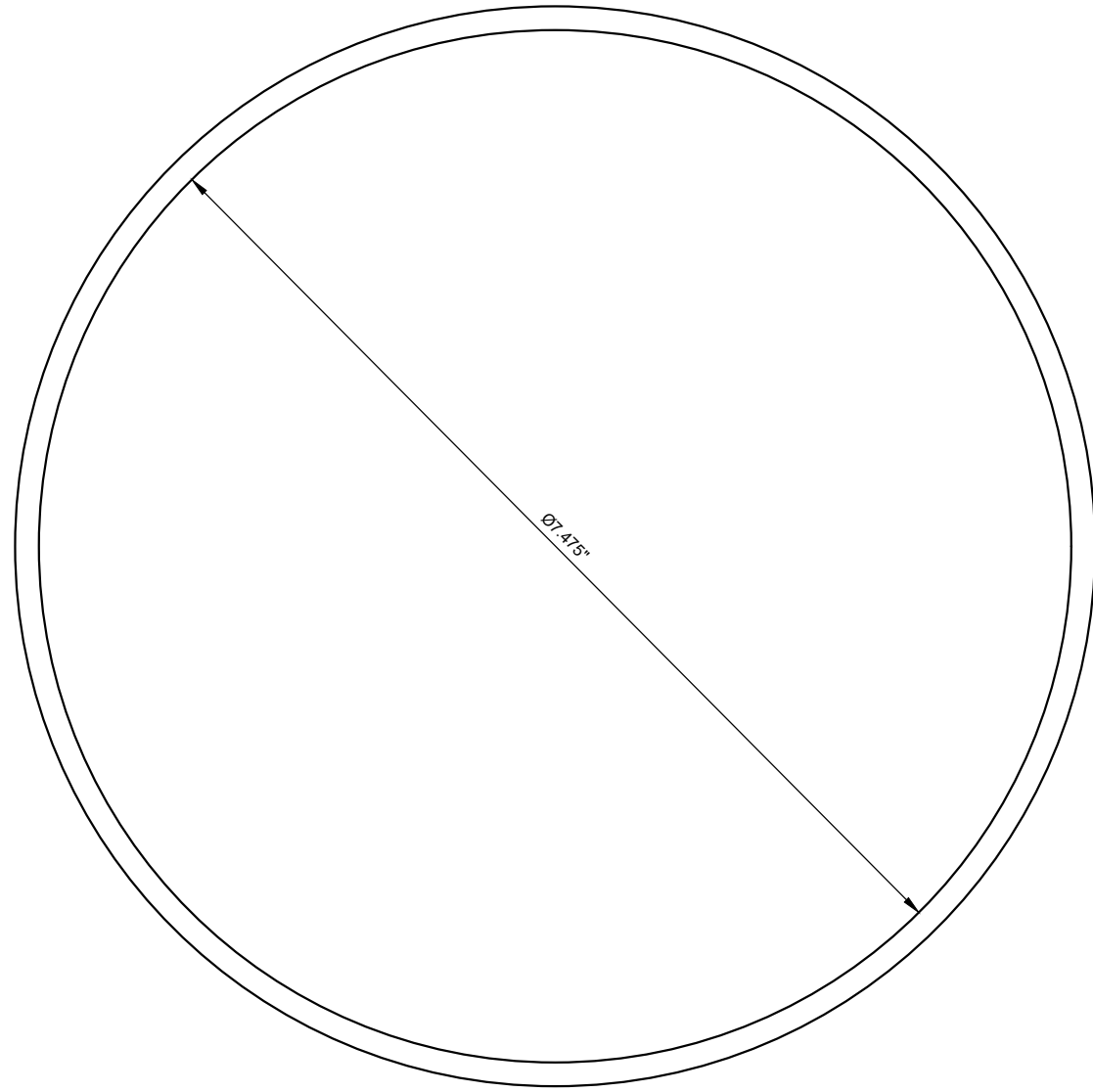
PROJECT INFORMATION:

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

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 PHONE: (410) 850-7000
 structuraltechnologies.com

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

ELECTRONIC FILE LOCATION: I:\SVI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\ECI 6-12 Grouted System



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| DESCRIPTION | SIZE | MATERIAL | INVENTORY # |
|---------------------------|---------------------|--|-------------|
| ECI 6-12 GROUT CAP O-RING | 7.475"x7.895"x0.21" | BUNA-N 70 D PER FDOT 960 TABLE 2.2.1.7-1 | 02WX5020 |

PROJECT INFORMATION:

| | |
|-------------|--------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | NTS |
| C796 | |

SYSTEM DRAWING

TITLE: ECI6-12 GROUT CAP BUNA-N 70 D O-RING

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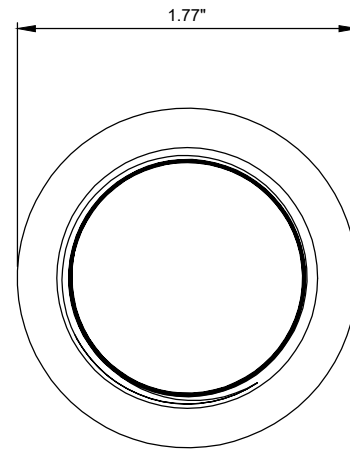
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CORPORATE OFFICE COLUMBIA, MD 21046

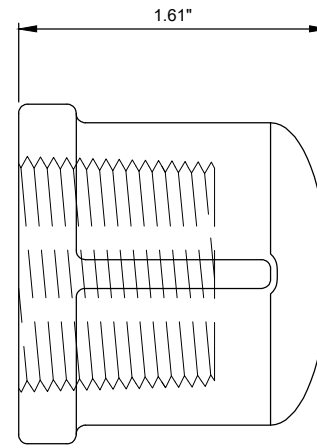
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structuraltechnologies.com

| | | | |
|----|---------------------------|--------|-----------|
| 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

SHEET NO:

SCALE:
NTS

C877

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CDL ZX

CHK

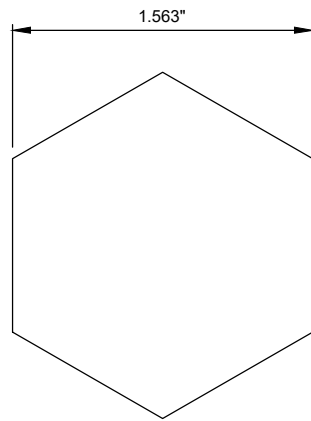
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29JAN2020

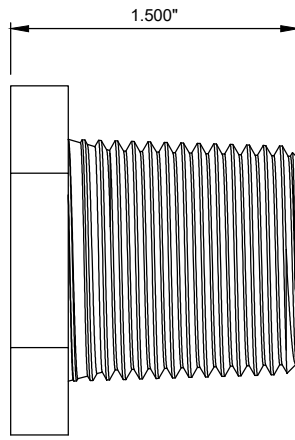
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 PHONE: (410) 850-7000
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ELECTRONIC FILE LOCATION: I:\SVI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\Flexible Filler Accessories



END VIEW



SIDE VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960.

| 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

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

BY

CDL ZX

CHK

DATE

29JAN2020

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| DESCRIPTION | MATERIAL | INVENTORY # | DIM. "A" | DIM. "B" | MIN. BEND RADIUS |
|--------------------|---------------------------|-------------|----------|----------|------------------|
| 3" HDPE PIPE DR-17 | HDPE BLACK PER ASTM D3350 | - | 3.064" | 3.5" | 16'-0" |

PROJECT INFORMATION:

SYSTEM DRAWING

3" HDPE PIPE

PROJECT NO:
SYSTEM

SHEET NO:

SCALE:
NTS

C882A

NO

APPROVED FOR CONSTRUCTION

DESCRIPTION

CDL ZX

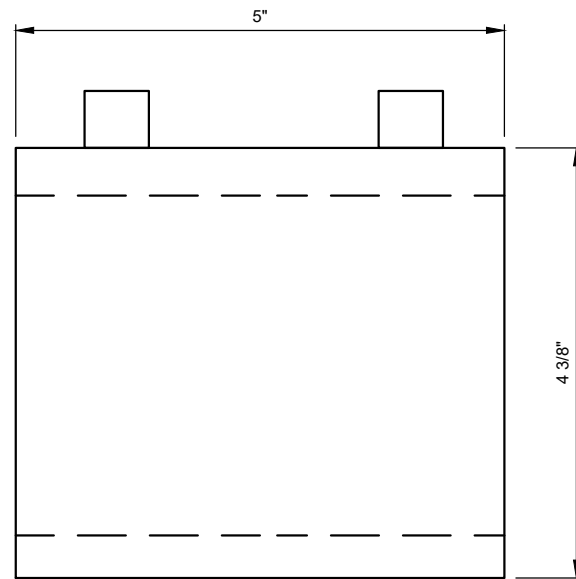
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ELECTRONIC FILE LOCATION: I:\SVI\System Drawings\Work In Progress Drawings\Florida DOT Test 2017\EC 6-7 Flexible Files Submittal



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| DESCRIPTION | MATERIAL | INVENTORY # |
|--------------------------|-----------|-------------|
| 3" ELECTROFUSION COUPLER | COMPOSITE | 02EF0003 |

PROJECT INFORMATION:

| | |
|-------------|--------------------------|
| PROJECT NO: | SYSTEM |
| SHEET NO: | C896 |
| TITLE: | 3" ELECTROFUSION COUPLER |
| SCALE: | NTS |

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| NO | DESCRIPTION | BY | CHK |
| | | | DATE |