**Title:** APPROVED FOR CONSTRUCTION

**By:** (410) 850-7000

**Date:**

**Description:** INTERNAL BONDED 1.375" PT BAR BEARING PLATE

**Scale:** SYSTEM DRAWING

**Project No:**

**Sheet No:** A408 Int Bonded 1.375 PT Bar Bearing Plate Assembly.dwg

**File Name:** 29Jan2020

**Elevation View:**

**Notes:**

1. ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
2. DUCT MUST BE PRESSURE RATED FOR 125 PSI.
3. ALL OTHER COMPONENTS EXCEPT DUCT MUST BE PRESSURE RATED FOR 150 PSI.
4. CONCRETE COVER MUST MEET FOOT STRUCTURES DESIGN GUIDELINES SECTION 1-2.
5. INSPECTION PORT OPTIONAL FOR VERTICAL TENDONS.
6. INSTALLATION PROCEDURE IS GENERIC. FOLLOW THE PROJECT SPECIFIC REQUIREMENTS AND THE FOOT SPECIFICATIONS.
7. INSTALL BEARING PLATE WITH ORIENTATION THAT GROUT PORT IS IN VERTICAL POSITION.
8. PUSH THE DUCT A MINIMUM 2" INTO THE STEEL TRUMPET, SECURE THE CONNECTION WITH HEAT SHRINK SLEEVE.
9. IF VACUUM ASSISTED FILLER INJECTION WILL BE USED, THEN VACUUM TEST PER AS 4-6.2.2 MUST BE CONDUCTED PRIOR TO CONCRETE PLACEMENT.
10. CONCRETE PLACEMENT OCCURS BY OTHERS.
11. INSTALL WMS PT BAR SPHERICAL NUT.
12. ELONGATION SHOULD BE WITHIN ±7%.
13. IF VACUUM ASSISTED FILLER INJECTION WILL BE USED, THEN VACUUM TEST PER AS 4-6.2.2 MUST BE CONDUCTED PRIOR TO CONCRETE PLACEMENT.
14. CONCRETE PLACEMENT OCCURS BY OTHERS.
15. INSTALL WMS PT BAR SPHERICAL NUT.
16. ELONGATION SHOULD BE WITHIN ±7%.
17. SYSTEM IS NOW READY TO AIR TEST.
18. IF VACUUM ASSISTED FILLER INJECTION WILL BE USED, THEN VACUUM TEST PER AS 4-6.2.2 MUST BE CONDUCTED PRIOR TO CONCRETE PLACEMENT.
19. CONCRETE PLACEMENT OCCURS BY OTHERS.
20. INSTALL WMS PT BAR SPHERICAL NUT.
21. ELONGATION SHOULD BE WITHIN ±7%.
22. SYSTEM IS NOW READY TO AIR TEST.
23. IF VACUUM ASSISTED FILLER INJECTION WILL BE USED, THEN VACUUM TEST PER AS 4-6.2.2 MUST BE CONDUCTED PRIOR TO CONCRETE PLACEMENT.
24. CONCRETE PLACEMENT OCCURS BY OTHERS.

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**Notes:**

- Material specifications for items with "T".
- Permanent parts of the system.
- Internal bonded 1.375" PT bar bearing plate assembly.
- System is ready for air test.
- System is now ready to air test.
- Inspect port assembly.

**Insertion Port Assembly:**

**Elevation View:**

**See Sheet and For Vent Grout Assembly:**
EPOXY GROUT POUR-BACK AREA (TYPICAL) - REFER TO FDOT STANDARD PLANS INDEX FOR POST-TENSIONING ANCHORAGE AND TENSION FILLING DETAILS

NOTES:
1. ITEMS MARKED WITH A "T" ARE TEMPORARY AND ARE NOT A PERMANENT PART OF THE SYSTEM.
2. ALL COMPONENTS MUST BE PRESSURE RATED FOR 150 PSI.
3. MINIMUM CONCRETE COVER SHALL BE 2" AND MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2.
4. COMPONENTS MAY BE ASSEMBLED AS A VENT OR A DRAIN AS REQUIRED.

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23MM FEMALE CORRUGATED GROUT PORT
**NOTES:**

1. **59MM PT-PLUS DUCT MEETS FDOT 960 SPEC.**
2. **SEE VSL BUTT WELDING PROCEDURE IN APPENDIX.**
3. **ADJUST THE LOCATION OF THE LAST FUSION BUTT WELD SO THAT THE FINAL DUCT COUPLER CONNECTION CAN BE APPLIED PROPERLY.**

**ITEM** | **QTY** | **DESCRIPTION** | **MATERIAL** | **INVENTORY #** | **DWG #**
--- | --- | --- | --- | --- | ---
1 | 2 | **DUCT, WHT 59 MM PT-PLUS** | WHITE POLYPROPYLENE PER ASTM D4101 | 02D0312 | C684A
INTERNAL BONDED 1.375" PT BAR COUPLER ASSEMBLY

**ITEM** | **QTY** | **DESCRIPTION** | **MATERIAL** | **INVENTORY #** | **DWG #**
--- | --- | --- | --- | --- | ---
1 | - | DUCT, WHT PP 76MM PT-PLUS | WHITE POLYPROPYLENE PER ASTM D4101 | 02DT0426 | C684B
2 | - | DUCT, WHT PP 59MM PT-PLUS | WHITE POLYPROPYLENE PER ASTM D4101 | 02DT0412 | C684A
3 | 2 | HEAT SHRINK SLEEVE CANUSA PLA-63-YE | (6" LONG) POLYOLEFIN PER FDOT 960 TABLE 2.2.1.8-1 | 02DT0503 | C791
4 | 2 | WMS 1-3/8" (36MM) 150 KSI TYPE II ALL-THREAD-BAR | HIGH-STRENGTH STEEL BAR PER ASTM A722 TYPE II AND AASHTO M275 | R71-11-03600 | C890
5 | 1 | WMS 1 3/8" PT BAR COUPLER | ASTM A29, GRADE C1045 | R72-11 | C885

**NOTES:**
1. DUCT MUST BE PRESSURE RATED FOR 125 PSI.
2. ALL OTHER COMPONENTS EXCEPT DUCT MUST BE PRESSURE RATED FOR 150 PSI.
3. CONCRETE COVER MUST MEET FDOT STRUCTURES DESIGN GUIDELINES SECTION 1.4.2.
4. HEAT SHRINK TO BE CENTERED ON CONNECTIONS.

---

**SYSTEM DRAWING**

**PROJECT INFORMATION:**

**SHEET NO:**

**ELECTRONIC FILE LOCATION:**

**FILE NAME:**

**PLOT DATE/TIME:**

**APPROVED FOR PRODUCTION**

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**STRUCTURAL TECHNOLOGIES, LLC**
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COLUMBIA, MD 21046
PHONE: (410) 850-7000
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INSTALLATION PROCEDURES

1. CUT DUCT HALF WAY BETWEEN 2 MAJOR RIBS SEE DETAIL A
2. INSTALL DUCT INTO COUPLER HALF. PLACE COUPLER HALF OVER MAJOR RIB. SEE DETAIL B
3. PLACE SECOND COUPLER HALF OVER DUCT. USING INTERLOCKING PINS TO CENTER SECOND COUPLER HALF
4. PARTIALLY INSTALL COUPLER CLIPS IN DIRECTION INDICATED BY ARROWS SHOWN ON COUPLER HALF.
5. INSURE BOTH DUCTS ARE SECURED IN COUPLER.
6. FINISH INSTALLATION OF CLIPS.

NOTE: MATERIAL MEETS OR EXCEEDS FOOT SPECIFICATION 980.

**ITEM** | **QTY** | **DESCRIPTION** | **MATERIAL** | **INVENTORY #** | **ENG. #**
---|---|---|---|---|---
1 | 2 | COUPLER HALF, 76 MM PT-PLUS | BLACK POLYPROPYLENE PER ASTM D4101 | 02DT0027 | C626
2 | 2 | SEAL (INCLUDED IN COUPLER HALF) | SANTOPRENE PER FDOT 960 TABLE 2.2.1.7-2 | 02DT0027 | C626
3 | 2 | COUPLER CLAMP, 76 MM PT-PLUS | BLACK POLYPROPYLENE PER ASTM D4101 | 02DT0229 | C628
4 | 2 | DUCT, WHT PP, 76 MM PT-PLUS | WHITE POLYPROPYLENE PER ASTM D4101 | 02DT0426 | C684B

* SEE SHEET C626 FOR COUPLER HALF, 76 MM PT-PLUS VENTED

NOTE: MATERIAL MEETS OR EXCEEDS FOOT SPECIFICATION 980.
FOR TYPICAL HOSE/VALVE GROUTING ASSEMBLY - SEE SHEET A362

23MM EXTERNAL 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 HANDS.
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. FINALLY HOLD THE PIECES TOGETHER FOR A MINIMUM OF 10 SECONDS.

NOTES:
1. MATERIALS MEET OR EXCEED FDOT SPECIFICATION 960.
2. FITTINGS ARE RATED TO 150 PSI.
INSTALLATION PROCEDURES

1. CUT DUCT HALF WAY BETWEEN 2 MAJOR RIBS SEE DETAIL A
2. INSTALL DUCT INTO COUPLER HALF. PLACE COUPLER HALF OVER MAJOR RIB. SEE DETAIL B
3. PLACE SECOND COUPLER HALF OVER DUCT, USING INTERLOCKING PINS TO CENTER SECOND COUPLER HALF
4. PARTIALLY INSTALL COUPLER CLIPS IN DIRECTION INDICATED BY ARROWS SHOWN ON COUPLER HALF.
5. INSURE BOTH DUCTS ARE SECURED IN COUPLER.
6. FINISH INSTALLATION OF CLIPS.

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960.
BEARING PLATE GROUT PLUG 23MM

HDPE BLACK PER ASTM D3350

INVENTORY # 02DT0341

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 980
DESCRIPTION | MATERIAL | INVENTORY #
--- | --- | ---
EXTERNAL GROUT PORT 23MM | BLACK POLYPROPYLENE PER ASTM D4101 | 02DT0250

NOTE: MATERIAL MEETS OR EXCEEDS FOOT SPECIFICATION 965
23MM GROUT HOSE CAP

HDPE BLACK PER ASTM D3350

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960
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1 | 76MM PT-PLUS DUCT COUPLER HALF SHELL | BLACK POLYPROPYLENE PER ASTM D4101 | 02DT0027 | 1. MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960.
2 | 76MM PT-PLUS DUCT COUPLER HALF SHELL W/ VENT | BLACK POLYPROPYLENE PER ASTM D4101 | 02DT0028 | 2. USE TWO HALF-SHELLS W/O VENT (INV. #02DT0027) FOR STANDARD DUCT COUPLING.
3 | SEAL | SANTOPRENE PER FDOT TABLE 2.2.1.7-2 | INCLUDED | 3. USE ONE HALF-SHELL W/O VENT (INV. #02DT0027) AND ONE HALF-SHELL W/ VENT (INV. #02DT0028) FOR DUCT COUPLING WHERE A GROUT VENT IS NEEDED.

NOTES:
- GROUT PORT (P/N 02DT0028 ONLY)

SECTION A-A
- TOP VIEW
- SIDE VIEW
- HALF SHELL W/ VENT
- HALF SHELL W/O VENT
## Material Inventory

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**Mark:** "59/76" 0.1" PROUD

---

**TOP VIEW**

**SIDE VIEW**

---

**Dimensions:**
- Height: 1.3" (4.3 cm)
- Width: 1.1" (2.8 cm)

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---

**Contact Information:**

Structural Technologies, LLC
Corporate Office
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Columbia, MD 21046
Phone: (410) 850-7000
structuraltechnologies.com
3/4" SMOOTH HOSE

C685

SIDE VIEW

AS REQUIRED

SIDE VIEW

DESCRIPTION

MATERIAL

INVENTORY #

3/4" SMOOTH HOSE

DPE BLACK PER ASTM D3350

02DT01901

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960
3/4" ONE EAR BAND CLAMP

INSTALLATION INSTRUCTIONS:
1. Slide band over hose and align over barbs on fitting
2. Crimp ear on band with pliers using either diagonal cutters or end nippers

SIDE VIEW

INSTALLED
[AFTE R CRIMPING]

OPEN
[AS SUPPLIED]

$0.39$

5/16" GAP

$1.19$

$0.03$

$0.28$

DESCRIPTION
3/4" ONE EAR BAND CLAMP

MATERIAL
3/16 STAINLESS STEEL PER ASTM A240

INVENTORY #
02DT01905
3/4" HOSE BARB TO 23MM FITTING

BLACK POLYPROPYLENE PER ASTM D4101

NBR O-RING (PARKER #N1470 2-212) INSTALL DURING MANUFACTURING

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960
3/4" HOSE BARB TO 3/4" NPT FITTING

BLACK POLYPROPYLENE PER ASTM D4101

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

SIDE VIEW
RIBBED CAP W/ 3/4" FNPT

Note: Material meets or exceeds FDOT specification 960

**Description**
- RIBBED CAP W/ 3/4" FNPT
- Black Polypropylene per ASTM D4101

**Inventory #** 02DT01912

**Dimensions**
- Top View: 3/4" height
- Side View: 3/4" height

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NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 980

SIDE VIEW

DETAIL A

NBR O-RING (PARKER #N1470 2-212) INSTALL DURING MANUFACTURING
BR PLATE BUSHING 3/4" NPT 23MM

SECTION VIEW

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

3/4" NPT

Ø0.71"

1.54"

0.62"

Ø1.1020"

Ø0.929"

DESCRIPTION

MATERIAL

INVENTORY #

BR PLATE BUSHING 3/4" NPT 23MM

BLACK POLYPROPYLENE PER ASTM D4101

02DT0316

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960
DESCRIPTION | MATERIAL | INVENTORY #
--- | --- | ---
PVC 1/4 TURN BALL VALVE W/ 3/4" FNPT | WHITE SCH 80 PVC | 02DT01916

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 963

SIDE VIEW

WHITE SCH 80 PVC

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 963

THIS IS A TEMPORARY ITEM
DESCRIPTION | MATERIAL
--- | ---
3/4" NPT PP NIPPLE | SCH 80 BLACK POLYPROPYLENE PER ASTM D4101

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960
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DESCRIPTION | MATERIAL | INVENTORY #
--- | --- | ---
3/4" NPT PP F/F COUPLER | SCH 80 BLACK POLYPROPYLENE PER ASTM D4101 | C775

NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960

SIDE VIEW

END VIEW
DESCRIPTION

3/4" NPT PE PLUG

MATERIAL

BLACK HDPE PER ASTM D3350

INVENTORY #

02DT0913

NOTE: MATERIAL MEETS OR EXCEEDS FOOT SPECIFICATION 966
HEAT SHRINK SLEEVE CANUSA PLA-63-YE (6' LONG)  POLYOLEFIN PER FOOT  NO TABLE 2.2.1.8.1  C791 PLA-63-YE 63mmx6" Heat Shrink Sleeve

MATERIAL
HEAT SHRINK SLEEVE CANUSA PLA-63-YE

INVENTORY #
02919303

DESCRIPTION
PLA-63-YE 63MMx6" HEAT SHRINK SLEEVE

PROJECT NUMBER:
I:
VSL System Drawings
Work In Progress Drawings
Work In Progress Drawings
Florida DOT Test 2017
1.375 Internal Grouted Bar System

ELECTRONIC FILE LOCATION:
FILE NAME:
C791 PLA-63-YE 63mmx6in Heat Shrink FDOT 02DT0503.dwg

PLOT DATE/TIME:
29Jan2020 2:41 PM

SCALE:
NTS

SYSTEM:
SYSTEM

TITLE:
SYSTEM DRAWING

PROJECT INFORMATION:

PROJECT No:

BY:

CHECK:

DATE:

TITLE:
SYSTEM DRAWING

DESCRIPTION

BY:

CHECK:

DATE:

APPROVED FOR CONSTRUCTION

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

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### HALF SHELL W/ VENT

**SECTION A-A**

- **1.** Material meets or exceeds Foot Specification #90.
- **2.** Use two half-shells w/o vent (Inv. #02DTCH059) for standard duct coupling.
- **3.** Use one half-shell w/o vent (Inv. #02DTCV059) and one half-shell w/ vent (Inv. #02DTCV059) for duct coupling where a grout vent is needed.

**NOTES:**

- **DESCRIPTION:**
  - Item 1: 59MM PT-PLUS DUCT COUPLER HALF SHELL
  - Item 2: 59MM PT-PLUS DUCT COUPLER HALF SHELL W/ VENT
  - Item 3: Seal

**Material:**
- Black Polypropylene per ASTM D4101 (Inv. #02DTCH059)
- Black Polypropylene per ASTM D4101 (Inv. #02DTCV059)
- Santoprene per FDOT 960 Table 2.2.1.7-2

**Included:**
- Item 2: Black Polypropylene per ASTM D4101
- Item 3: Santoprene per FDOT 960 Table 2.2.1.7-2

**Graphic Details:**

- Top View
- Side View
- Half Shell w/ Vent
- Half Shell w/o Vent

**Grout Port (Pin 02DTCV059 Only):**

**File Name:**
- C816 PT-plus 59MM Half Shell FDOT 02DTCH059 - 02DTCV059.dwg

**Plot Date/Time:**
- 2:29 PM

**Scale:**
- System Drawing

**Project Information:**
- Project No: C816
- Sheet No: PT-plus 59MM Half Shell FDOT 02DTCH059 - 02DTCV059

**System Drawing**
- 4.25" x 4.25"
- 2.48" x 1.61"
**DESCRIPTION**

1/4" NPT TO 3/4" NPT BUSHING

**MATERIAL**

SCH 80 WHITE PVC

**INVENTORY**

02DT01935

**NOTE:** MATERIAL MEETS OR EXCEEDS FOOT SPECIFICATION 960.
NOTE: MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 960.
### ITEM LIST

<table>
<thead>
<tr>
<th>ITEM</th>
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<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>INVENTORY #</th>
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<tr>
<td>2</td>
<td>1</td>
<td>3&quot; SCH. 40 TRUMPET (MIN. 4&quot; LONG)</td>
<td>GALVANIZED STEEL</td>
<td>JOB SPECIFIC</td>
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<tr>
<td>3</td>
<td>1</td>
<td>1/4&quot; SCH. 40 X 2&quot; LONG FRONT INSPECTION PORT</td>
<td>GALVANIZED STEEL</td>
<td>JOB SPECIFIC</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>1&quot; SCH. 40 X 2&quot; LONG GROUT PORT</td>
<td>GALVANIZED STEEL</td>
<td>JOB SPECIFIC</td>
</tr>
</tbody>
</table>

### MATERIALS

- **GALVANIZING**: HOT DIP GALVANIZE PER ASTM A123
- **WELDING**: WELD PER AWS D1.1 E70XX ELECTRODES

### NOTE

- INSPECTION PORT OPTIONAL FOR VERTICAL TENDONS

---

**SECTION A-A**

- **GRAVITY CARREAU**: 2.5" (TYP.)
- **SECTION B-B**: 45°

---

**SECTION A-A**

- **GRAVITY CARREAU**: 1.67"
- **SECTION B-B**: 2.5" (TYP.)

---

**SECTION B-B**

- **GRAVITY CARREAU**: 1.67"
DESCRIPTION
WMS 1 3/8" STOP-TYPE COUPLING

MATERIAL
ASTM A29, GRADE C1045

INVENTORY #
R72-11
<table>
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<tr>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>3/4&quot; NPT PVC NIPPLE</td>
<td>SCH 40 WHITE PVC</td>
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</tbody>
</table>
**Description:**
WMS 1-3/8" (36MM) Spherical Hex Nut Ductile Iron 100-70-03 PER ASTM A536

**Material:**
Ductile Iron 100-70-03 PER ASTM A536

**Inventory #:**
R88-11

---

**Dimensions:**
- **Diameter:** 2.89" A.C.
- **Height:** 3.29"

**Notes:**
- DRILL AND TAPPED FOR 38MM (1 3/8" NOM) ALL THREAD BAR
- MARK R88-11

---

**Front View**

---

**Side View**

---

**Structural Technologies, LLC**

---

**Corporate Office**

10150 Old Columbia Rd
Columbia, MD 21046

**Phone:**
(410) 850-7000

structuraltechnologies.com

---

**Project Information:**
- **Title:** SYSTEM DRAWING
- **Project Information:**
  - **Sheet No:**
  - **Electronic File Location:**
    - I:\VSL System Drawings\Work In Progress Drawings\Work In Progress Drawings\Florida DOT Test 2017\1.375 Internal Grouted Bar System
  - **File Name:** C888 WMS 1.375 Spherical Hex Nut FDOT.dwg
  - **Plot Date/Time:** 29 Jan 2020

---

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<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>1.375&quot; Grouted Bar</td>
<td>WMS 1-3/8&quot; (36MM) 150 KSI ALL-THREAD-BAR</td>
<td>R71-11-02802</td>
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</tbody>
</table>

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DESCRIPTION

WMS. NYLON REINFORCE END CAP

MATERIAL

NYLON PER ASTM D-4066, D-5989

INVENTORY #

R78K-36

MARKED: WFEC

MARKED: R78K-36

SHOP DRILLED 23MM

COARSE THREADED HOLE

OR SHOP DRILLED 3/4" NPT

THREADED HOLE

JOB SPECIFIC

MARKED: R78K-36

7.125"

5.00"

4.00"

SIDE VIEW

TOP VIEW

7.125"

5.00"

4.00"
### WMS Standard Fittings

#### File Name: C893 WMS Standard Fittings FDOT.dwg

**Project Information:**
- **I:** VSL System Drawings
- **Electronical File Location:** I:\VSL System Drawings\Work In Progress Drawings\Work In Progress Drawings\Florida DOT Test 2017\1.375 Internal Grouted Bar System
- **Plot Date/Time:** 29Jan2020 2:39 PM

**Description**

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<tbody>
<tr>
<td>3/8&quot;-16 UNC SS316 PIPE HEX SCREW, DE-AIR PLUG</td>
<td>316 STAINLESS STEEL PER ASTM A460</td>
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<tr>
<td>3/8&quot; NPT SS316 PIPE COUPLING, 150 PSI RATED</td>
<td>316 STAINLESS STEEL PER ASTM A460</td>
<td>-</td>
</tr>
<tr>
<td>1/4&quot; NPT SS316 PIPE COUPLING, 150 PSI RATED</td>
<td>316 STAINLESS STEEL PER ASTM A460</td>
<td>-</td>
</tr>
<tr>
<td>1/4&quot; NPT SS316 PIPE HEX SOCKET PLUG</td>
<td>316 STAINLESS STEEL PER ASTM A460</td>
<td>-</td>
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<tr>
<td>3/8&quot; NPT SS316 PIPE COUPLING</td>
<td>316 STAINLESS STEEL PER ASTM A460</td>
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</tbody>
</table>

**Scale:** NTS

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

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  - **Phone:** (410) 850-7000
  - **Website:** structuraltechnologies.com

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**Office:**
- **Date:** 29 Jan 2020

**Acknowledgements:**
- **Approved for Construction:**
- **By:** CHK
- **Date:** 29 Jan 2020

**Drawn/Checked:**
- **By:** CHK
- **Date:** 29 Jan 2020

**Revisions:**
- **By:** CHK
- **Date:** 29 Jan 2020

**Approved:**
- **By:** CHK
- **Date:** 29 Jan 2020
NYLON REINFORCED END CAP O-RING

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>MATERIAL</th>
<th>INVENTORY #</th>
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</thead>
<tbody>
<tr>
<td>NYLON REINFORCED END CAP O-RING</td>
<td>Ø4.25&quot; X 0.125&quot;</td>
<td>BUNA-N TO D PER FOOT</td>
<td>INCLUDED W/ CAP (D7569-36)</td>
</tr>
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