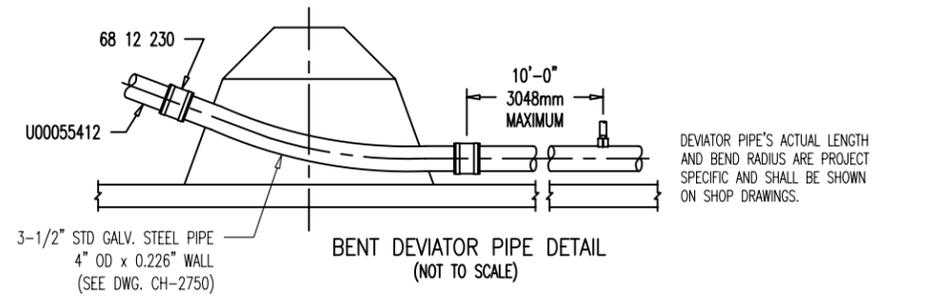


END VIEW
 DRILL 1/2" [13mm] HOLE IN PORT BEING USED-CAUTION-RECOMMEND USING HOLE SAW BIT OR SPADE BIT (BY OTHERS), BE CAREFUL TO PREVENT DAMAGE TO THREADS OR CAP



BILL OF MATERIALS		
PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
68 12 248	12-0.6" MULTI-PLANE ANCHOR CASTING GALVANIZED	ASTM A536 GR 65-45-12 DUCTILE IRON HOT DIPPED GALV. TO ASTM A123
68 12 254	12-0.6" STANDARD SPIRAL	ASTM A615, GR. 60, #5, 2-1/4" PITCH 12-7/8" O.D., ~7 TURNS
68 12 143	12-0.6" FORGED WEDGE PLATE	STEEL FORGING, ASTM A-521-76, NORMALIZED, BHN = 180-220
68 12 981 (OPTIONAL)	12-0.6" KEEPER PLATE, USED ONLY FOR INACCESSIBLE DEAD END OR WHEN PRE-ASSEMBLED W/BOLT & WASHER BY OTHERS	AISI 1020 OR EQUIV (3) 3/8"-16UNC BLACK HEX BOLTS, 1" LG WITH NARROW WASHERS
68 00 0536	3-PART WEDGE FOR 0.6" STRAND	AISI-C12L14 HEAT TREATED
68 12 587	12-0.6" PE TRUMPET	POLYETHYLENE
68 12 7230	PLASTIC GROUT CAP W/O-RING	NYLON 6, 20% GLASS FIBER FILLED
U00055412	100mm SDR 17 PIPE, Ø3.940" OD x 0.232" WALL	EHMW PE3608 (BLACK) (UV PROTECTED)
68 12 584	NEOPRENE SEAL	CLOSED CELL NEOPRENE BLEND
00 00 876	3/4" STEEL PIPE NIPPLE, 12" LONG	SCH 40 BLACK WELDED STEEL
PLA-90-150-YE	(OPTIONAL) HEAT SHRINK SLEEVE	Acc. to FDOT spec. P.T., section 462-4,2,6,3
CH-2724	4" OD GALV. DIAPHRAGM PIPE	3-1/2" STD GALV. STEEL PIPE (5'-0" MIN. LENGTH)

BILL OF MATERIALS		
PART NUMBER	DESCRIPTION	MATERIAL SPECIFICATION
00 00 676	1/2" STEEL PIPE NIPPLE, 12" LONG	SCH 40 BLACK WELDED STEEL
00 00 834	3/4" NPT VALVE	--
00 00 634	1/2" NPT VALVE	--
00 00 847	3/4" BT PLUG (NIAGARA PLASTICS #BT0750)	NYLON
00 00 647	1/2" BT PLUG (NIAGARA PLASTICS #BT0500)	NYLON
68 00 583	SEAL	CLOSED CELL NEOPRENE BLEND
68 12 230	RUBBER BOOT, 3/8" WALL x 4.125" ID	100 PSI EPDM
(ANS)	STEEL BAND, 5/8" WIDE, LOW PROFILE	316 SS
CH-2750	12-0.6" 4" OD GALV. BENT DEVIATOR PIPE	3-1/2" STD GALV. STEEL PIPE
00 00 771	3/8"-16UNC HEX BOLTS 2-3/4" LG	316L STAINLESS STEEL
00 00 774	NARROW WASHER FOR 3/8"-16UNC	
00 00 856	3/4" NPT GROUT VENT PORT (FOR INTERMEDIATE GROUT VENT)	BLACK POLYETHYLENE, UV PROTECTED PES-TEC PART NUMBER 254-1

APPROVED BY FDOT 12-12-07

DIMENSIONS: INCH (mm) FOR REFERENCE ONLY

EXTERNAL 12-0.6" MA SYSTEM 100 ASSEMBLY DRAWING

DATE: 12-12-07 DWG: G. MALECKI CHK: S.N. APP: E.A.

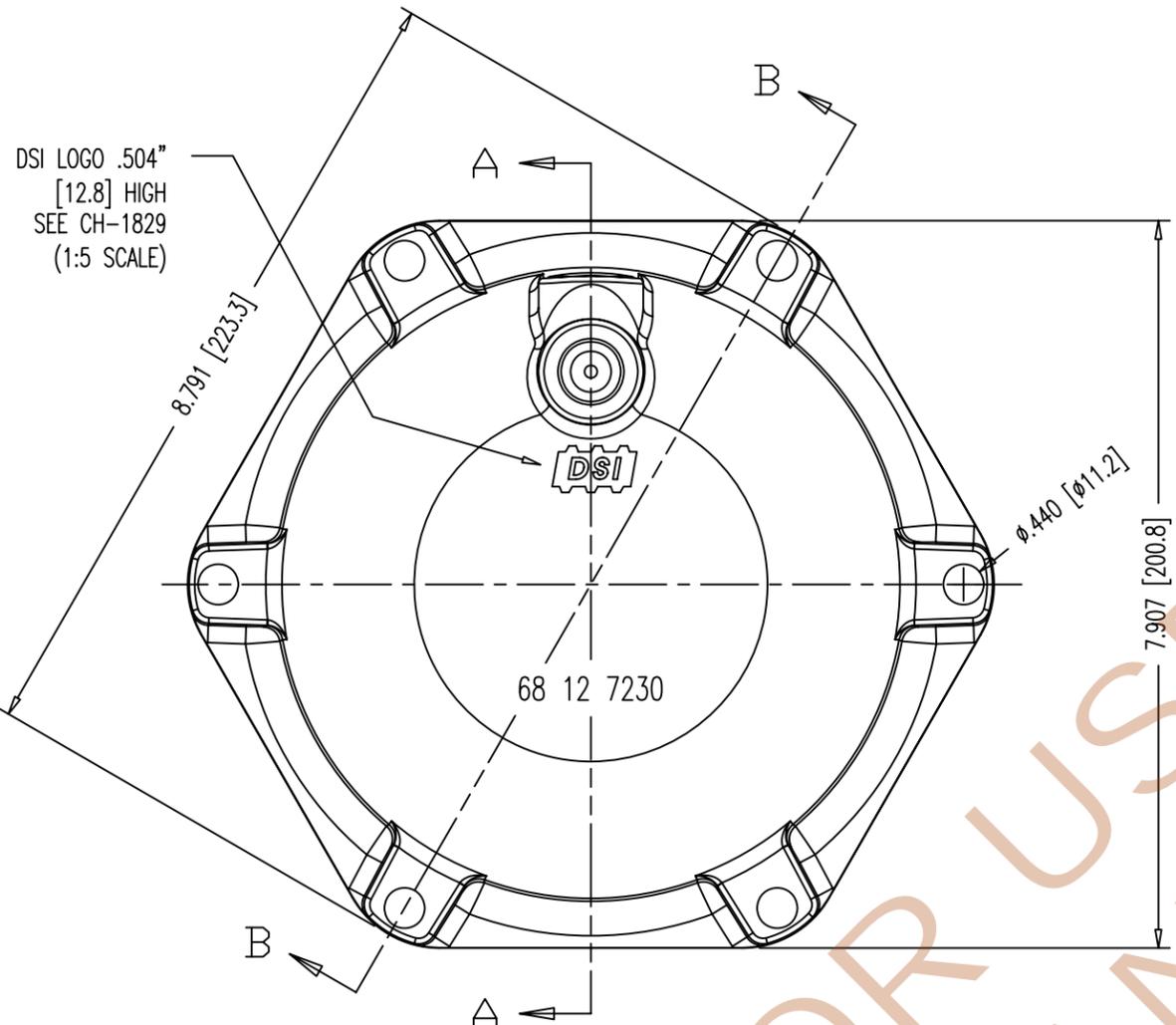
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REV.	DATE	NAME

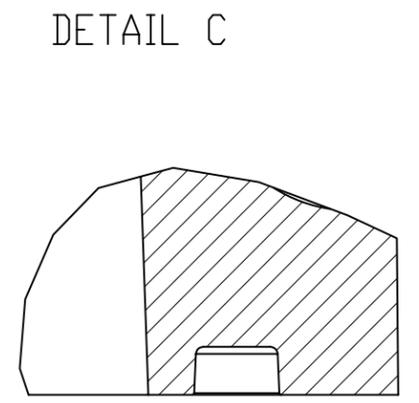
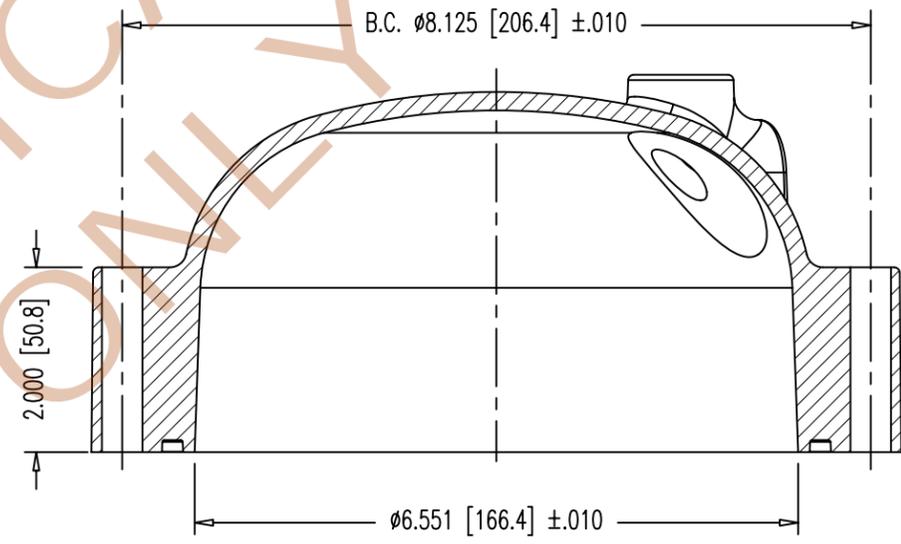
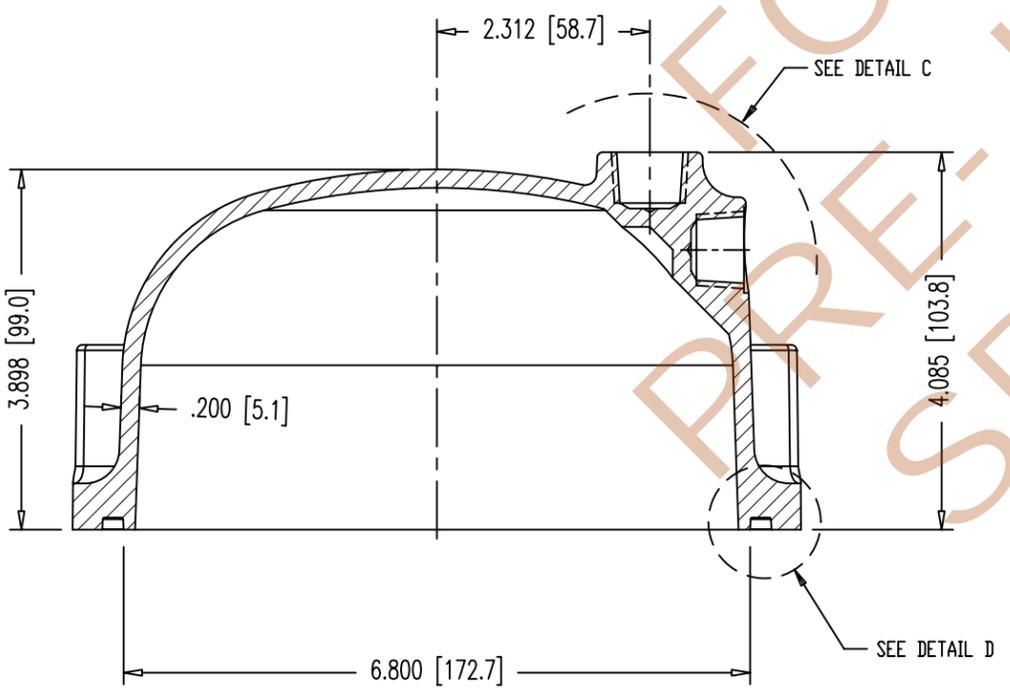
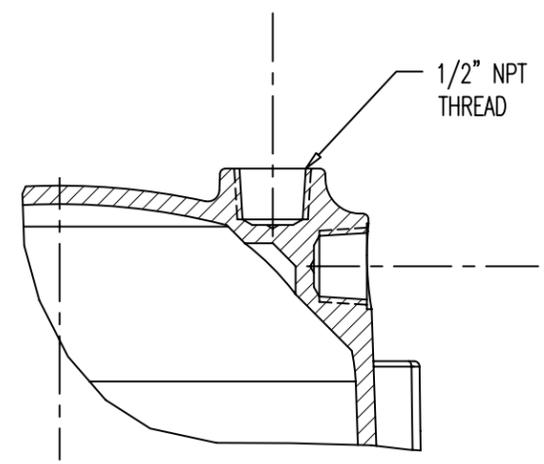
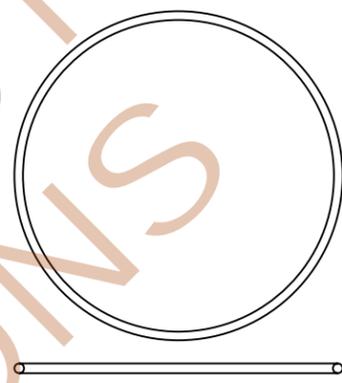
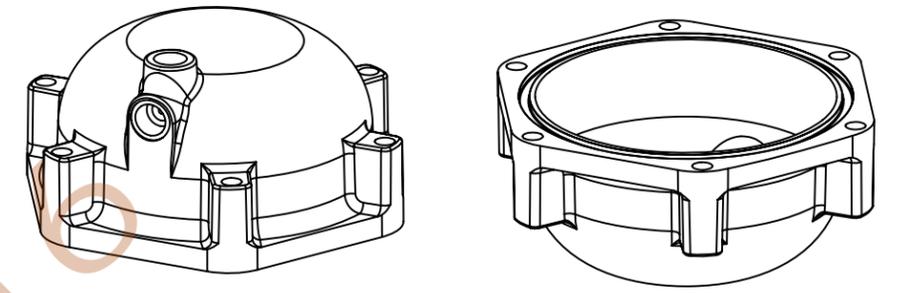
SCALE: 1:5

DRAWING NUMBER: **MA 68 12 012**

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 320 MARMON DRIVE - BOLINGBROOK, IL FAX: 630-739-1405



- NOTES:
1. ALL DIMENSIONS DEPENDENT ON 3D DATA BASE USED FOR MOLD FABRICATION
 2. USE 3/8"-16UNC 316L S.S. HEX BOLTS, 2-1/2" LONG W/SMALL DIA. WASHER.
 3. INSTALL O-RING IN GROOVE USING DROPS OF LIQUID ADHESIVE BEFORE SHIPPING. DON'T USE EXCESSIVE ADHESIVE. O-RING MUST STAY IN PLACE UNTIL INSTALLATION.
 4. THE CELL CLASSIFICATION SHALL CONFORM TO ASTM D5989 AND SHALL BE S-PA0141 (WEATHER RESISTANT), S-PA0231 OR S-PA0401 (TENSILE STRENGTH, YIELD 15000 PSI MIN., WITH UV STABILIZER ADDED).
 5. DRILL 1/2" [12.7] HOLE IN PORT BEING USED-CAUTION-RECOMMEND USING HOLE SAW BIT OR SPADE BIT (BY OTHERS), BE CAREFULL TO PREVENT DAMAGE TO THREADS OR CAP.
 6. WHEN PRESSURIZING GROUT CAPS, DO NOT STAND BEHIND CAPS!



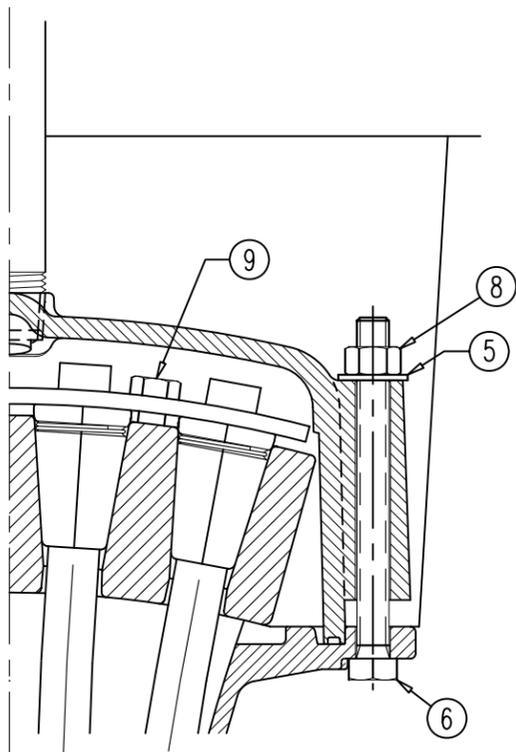
Tolerance Note:
All tolerances are based on SPI/SPE and should be as follows unless specified otherwise:

Dim.	Tolerance
0-1" =	+/- 0.005"
1-2" =	+/- 0.007"
2-3" =	+/- 0.009"
3-4" =	+/- 0.011"
4-5" =	+/- 0.013"
5-6" =	+/- 0.015"
6-7" =	+/- 0.017"
7-8" =	+/- 0.019"
8-9" =	+/- 0.021"
9-10" =	+/- 0.023"
10-11" =	+/- 0.025"
11-12" =	+/- 0.027"

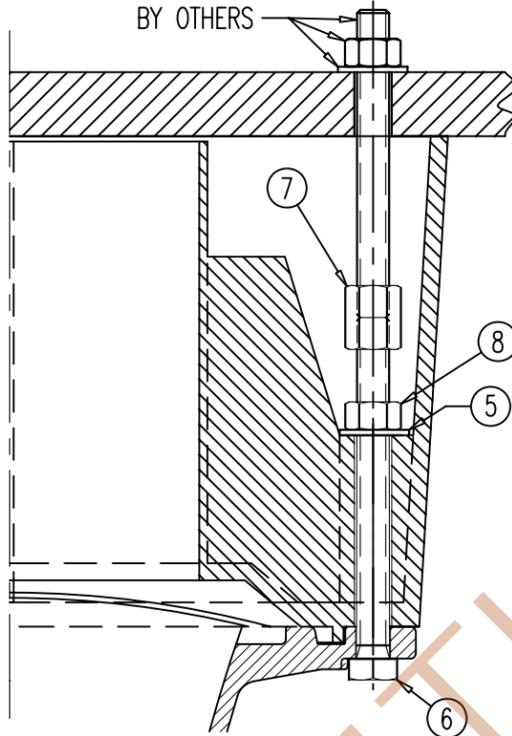
APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS60072300P		TOLERANCES: SEE TOLERANCE NOTE		WEIGHT 1.52 LBS.		REV.	DATE	NAME	PART NUMBER: 68 12 7230
12-0.6" PLASTIC GROUT CAP				MATERIAL: NYLON 6, 20% GLASS FIBER FILLED		SCALE 1:2 UNLESS NOTED					DRAWING NUMBER: 68 12 7230
DATE: 09-14-07		DWG: G. MALECKI		CHK: E.A.		APP: K.S.		THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI'S SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.			
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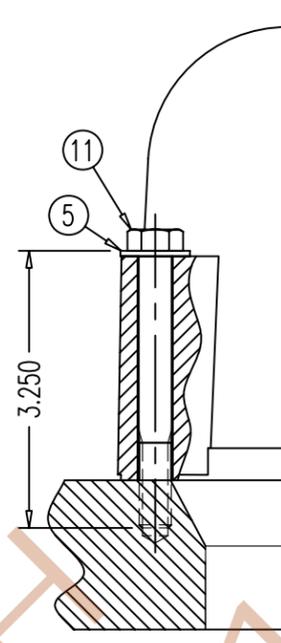




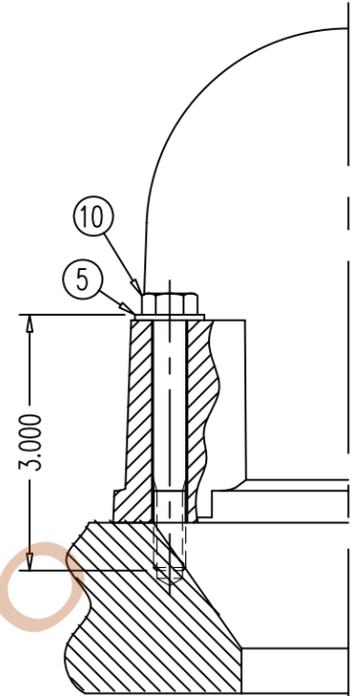
KEEPER PLATE 68 04 2637 ON
WEDGE PLATE 68 04 2534A &
GROUT CAP 68 04 2539 ON Δ
FLAT ANCHOR 68 04 2531



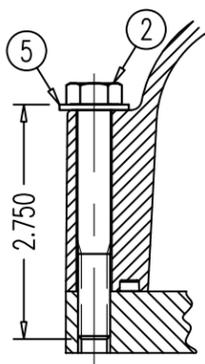
POCKET FORMER 68 04 2640
ON FLAT ANCHOR 68 04 2531



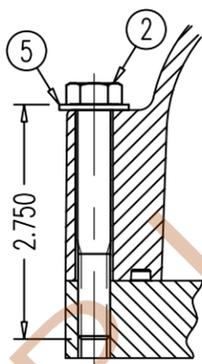
BAR GROUT CAP
B36E50700 & B65E50700



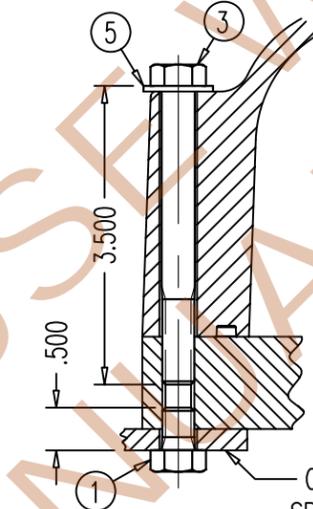
BAR GROUT CAP
B46E50700



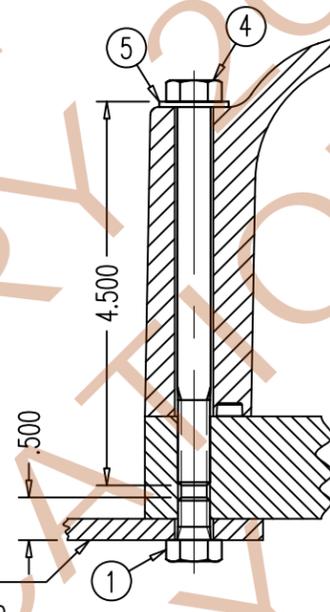
GROUT CAP 68 07 7230
ON MPA 68 07 216



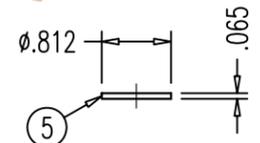
GROUT CAP 68 12 7230
ON MPA 68 12 216



GROUT CAP 68 19 7230
ON MPA 68 19 216



GROUT CAP 68 27 7230
ON MPA 68 27 216



TYPE A NARROW WASHER
FOR 3/8"-UNC BOLT

POS.	PART NUMBER	DISCRIPTION (ALL PARTS 316L STAINLESS STEEL UNLESS NOTED)
①	00 00 770	3/8"-16UNC HEX BOLT, 1/2" LONG, ZINC PLATED
②	00 00 771	3/8"-16UNC HEX BOLT, 2-3/4" LONG (1" LONG THREAD)
③	00 00 772	3/8"-16UNC HEX BOLT, 3-1/2" LONG (1" LONG THREAD)
④	00 00 773	3/8"-16UNC HEX BOLT, 4-1/2" LONG (1" LONG THREAD)
⑤	00 00 774	TYPE A NARROW WASHER FOR 3/8"-UNC BOLT
⑥	00 00 775	3/8"-16UNC HEX BOLT, 4" LONG (FULL THREAD)
⑦	00 00 776	3/8"-16UNC COUPLER, ZINC COATED
⑧	00 00 777	3/8"-16UNC HEX NUT
⑨	00 00 778	5/16"-18UNC HEX BOLT, 7/8" LONG, ZINC PLATED
⑩	00 00 782	3/8"-16UNC HEX BOLT, 3" LONG (1" LONG THREAD)
⑪	00 00 783	3/8"-16UNC HEX BOLT, 3-1/4" LONG (1" LONG THREAD)

NOTE:
THE 316L S.S. BOLTS ARE SPECIAL ORDER.
ALL WASHERS, HEX NUTS & COUPLERS HAVE
NO MARKINGS.

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH

QUALITY PLAN NUMBER:

STAINLESS STEEL 316L BOLTS AND WASHER FOR PLASTIC GROUT CAPS

DATE: 09-14-07 DWG: G. MALECKI CHK: E.A. APP: K.S.

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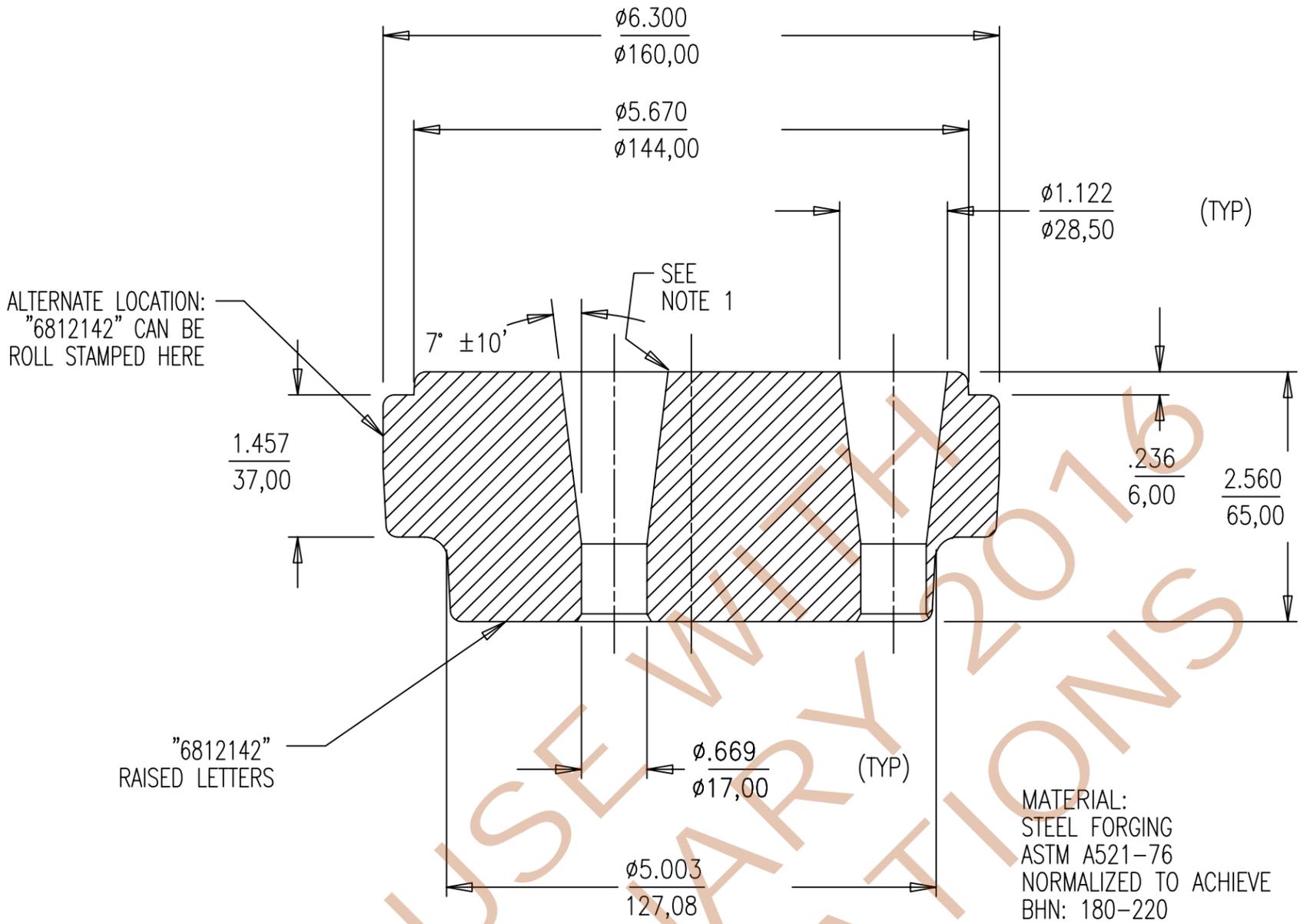
REV.	DATE	NAME	PART NUMBERS:
			00 00 770 00 00 776
			00 00 771 00 00 777
			00 00 772 00 00 778
			00 00 773 00 00 782
			00 00 774 00 00 783
			00 00 775

SCALE
1:3

DRAWING NUMBER:
00 00 770

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MATERIAL:
 STEEL FORGING
 ASTM A521-76
 NORMALIZED TO ACHIEVE
 BHN: 180-220
 MIN. YIELD STRENGTH: 50 KSI
 MIN. ELONG. IN 2": 18%

3/8" THROUGH HOLE
 B.C. $\phi 2.126$
 B.C. $\phi 54,0$

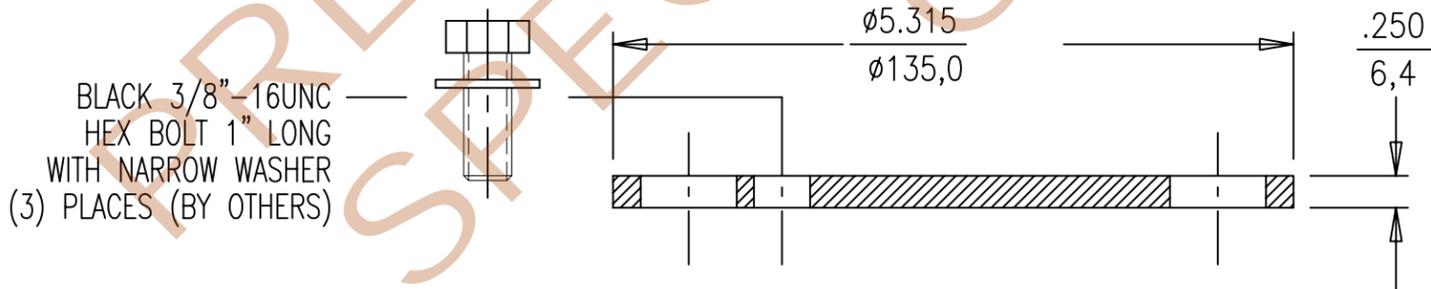
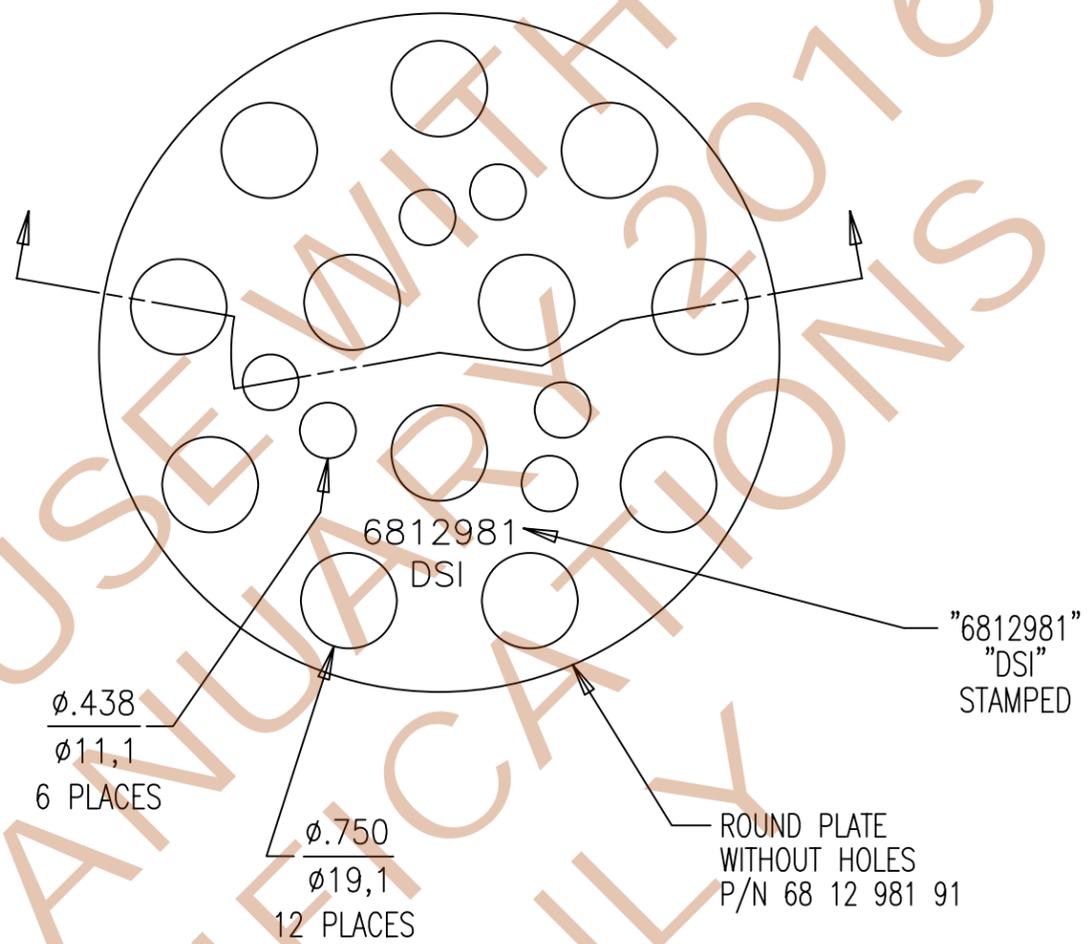
3/8"-16UNC
 DRILL 1" (25,4) DEEP
 TAP 3/4" (19,1) DEEP
 (3) PLACES FOR KEEPER
 PLATE (SEE NOTE 4)

WEDGE PLATE DIPPED
 IN BEL-RAY RP-30 FOR
 CORROSION PROTECTION

- NOTES:
- BREAK EDGES OF WEDGE HOLES.
 - USE 3-PART WEDGE P/N 68 00 0536.
 - USE FORGED WEDGE PLATE BLANK 68 12 142 91.
 - USE KEEPER PLATE ONLY FOR PRE-ASSEMBLED AND INACCESSIBLE DEAD END ANCHORS. USE (3) BLACK HEX BOLTS, 1" LONG WITH NARROW WASHERS (BY OTHERS).

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH/mm mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS00014200F		TOLERANCES: ± 0.20 UNLESS NOTED	WEIGHT 14 LBS.	REV.	DATE	NAME	PART NUMBER: 68 12 143
12-0.6" FORGED WEDGE PLATE FOR FIXED END				MATERIAL: SEE ABOVE	SCALE 1:2				DRAWING NUMBER: 68 12 143
DATE: 09-14-07	DWG: G. MALECKI	CHK: K.L.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405					
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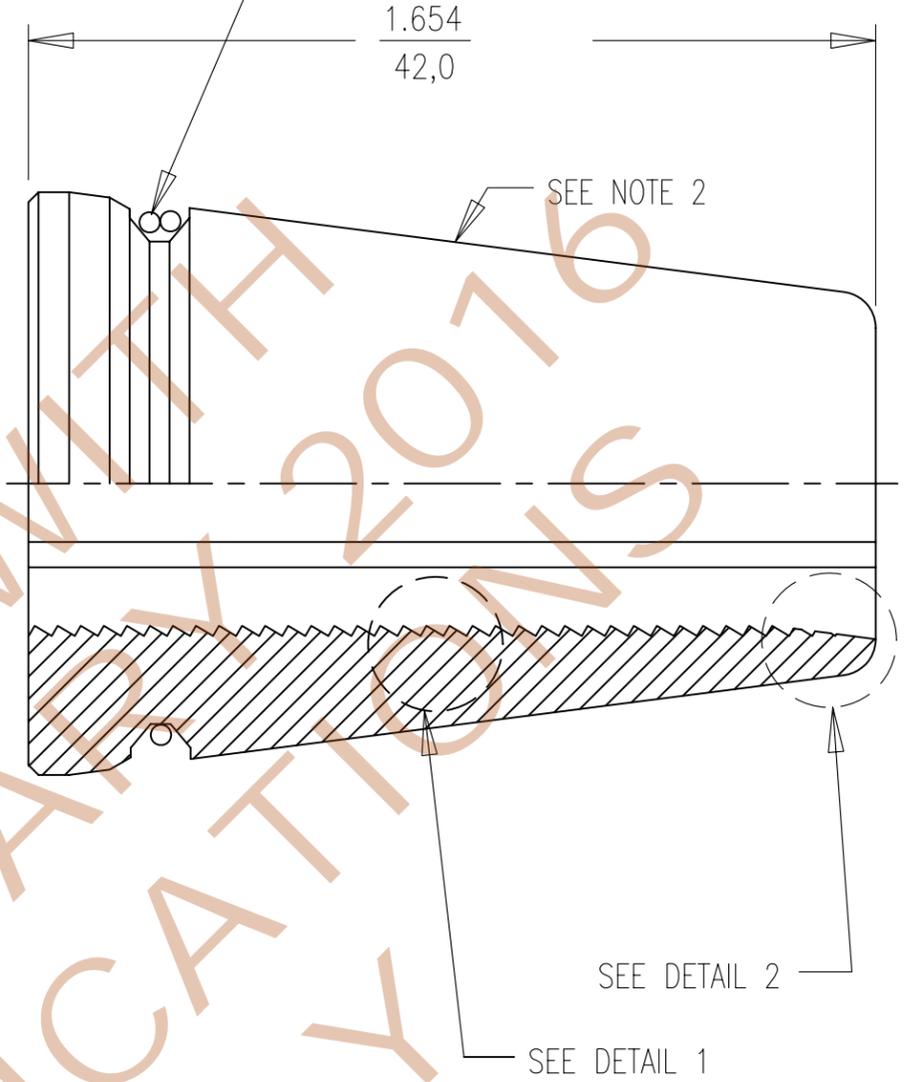
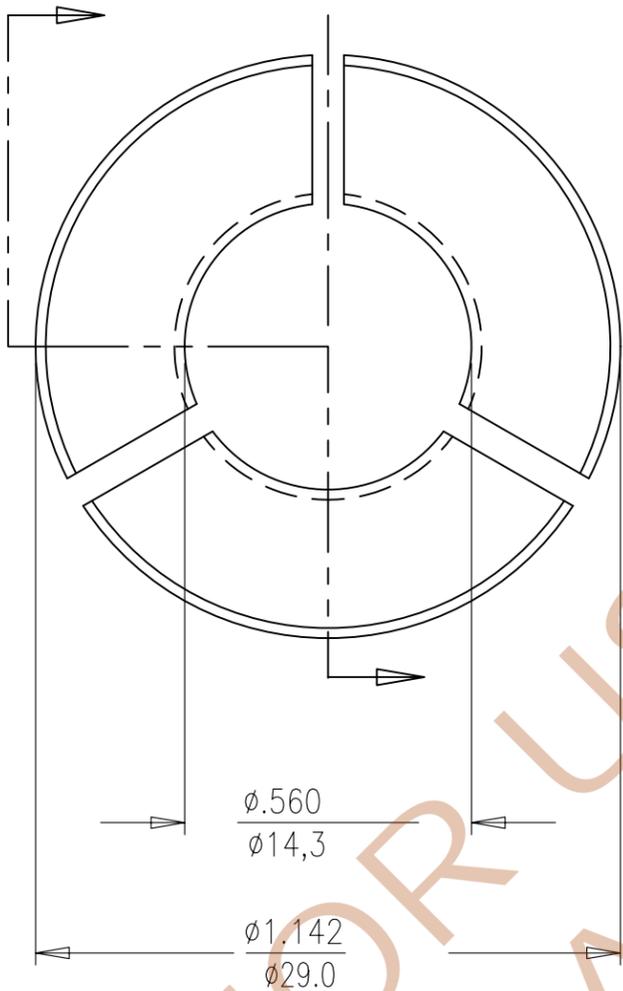


NOTE:
 USE KEEPER PLATE ONLY FOR PRE-ASSEMBLED
 AND INACCESSIBLE DEAD END ANCHORS.

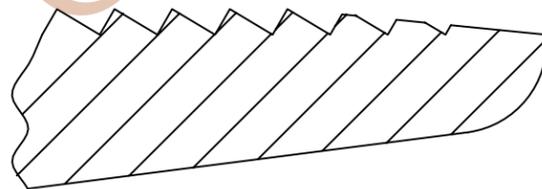
APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS60098100L		TOLERANCES: ±.020 UNLESS NOTED	WEIGHT 1.2 LBS.	REV.	DATE	NAME	PART NUMBER: 68 12 981
12-0.6" KEEPER PLATE				MATERIAL: AISI 1020 OR EQUIVALENT	SCALE 1:2				DRAWING NUMBER: 68 12 981
				DATE: 09-14-07	DWG: G. MALECKI	CHK: K.L.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405	
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SPRING WIRE RING:
 WIRE $\phi = .040$ (1,0), ID = .905 (23.0)
 NO. OF TURNS: $1.5 \pm .25$
 WIRE QUALITY: ASTM 228



DETAIL 1
5:1



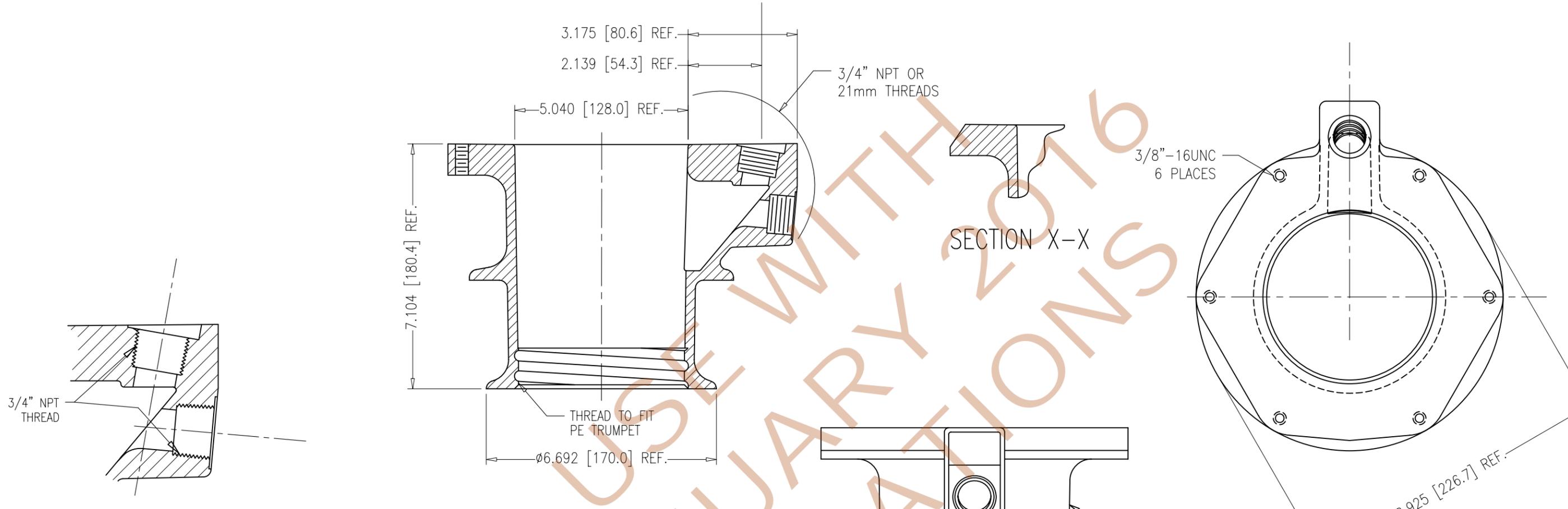
DETAIL 2
5:1

NOTES:

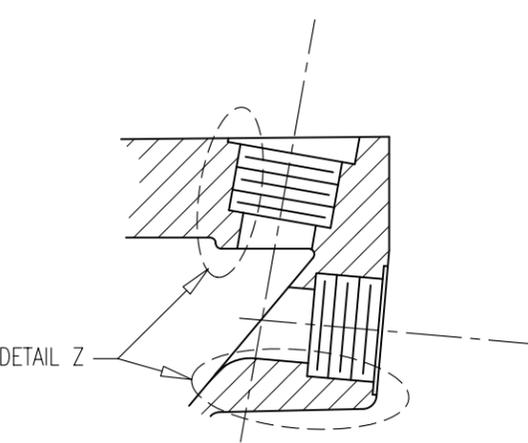
5. NO STAMPED PART NUMBER

APPROVED BY FDOT 05-31-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS00000500DP2		TOLERANCES: $\pm .010$; $\pm 2^\circ$ UNLESS NOTED	WEIGHT 0.19 LBS.	REV.	DATE	NAME	PART NUMBER: 68 00 0536	
3-PART WEDGE 7° x 29 mm x 42 mm 0.6" STRAND				MATERIAL: SEE MAT'L SPEC. PMU0005360B	SCALE 2:1 5:1				DRAWING NUMBER: 68 00 0536	
				DATE: 05-31-07	DWG: G. MALECKI	CHK: C.S.	APP: K.L.			
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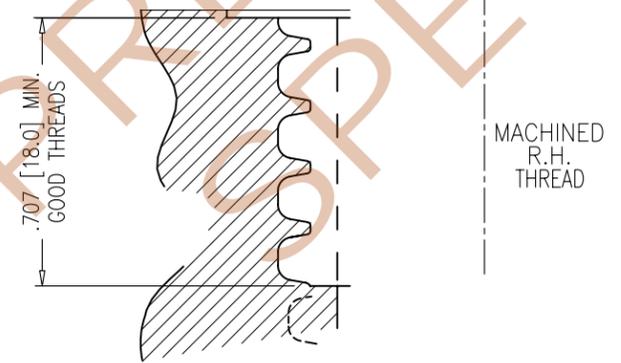


GROUT PORT THREADS WITH 3/4" NPT THREADS
SCALE 3:2 IN COMPUTER



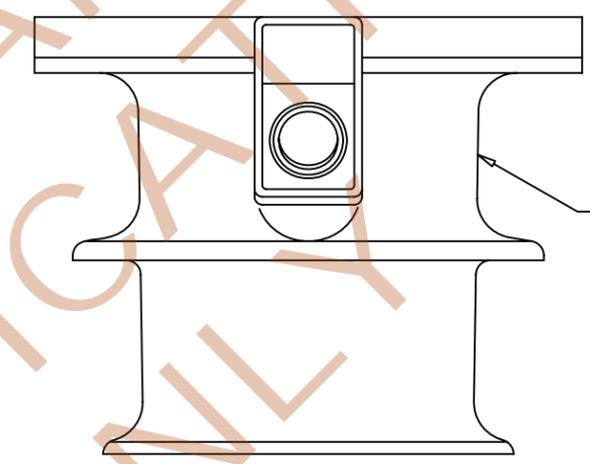
GROUT PORT THREADS WITH 21mm THREADS
SCALE 3:2 IN COMPUTER

SECTION A-A
(SHOWN WITH 21mm GROUT PORT THREADS)

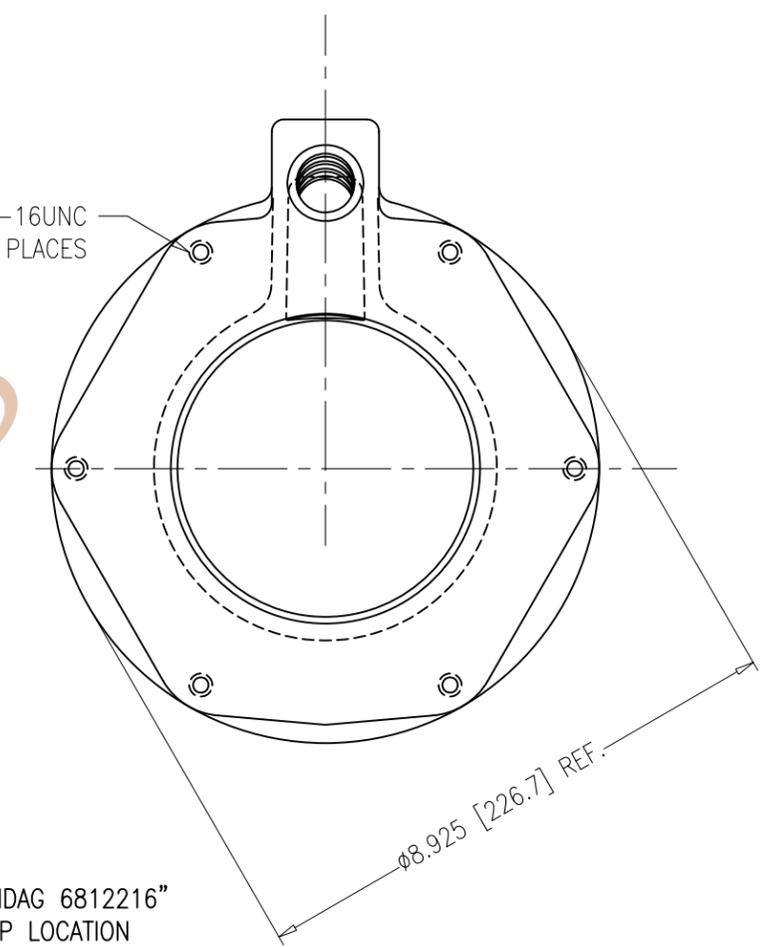


DETAIL Z
SCALE 6:1 IN COMPUTER

SECTION X-X



VIEW Y-Y



- NOTES FOR GALVANIZED PARTS:
1. HOT DIP GALV. ACCORD. TO ASTM A123.
 2. ASSURE THREADABILITY OF THREADED HOLES AFTER GALVANIZING.
 3. PROTECT THREADED HOLES WITH ZINC PAINT.

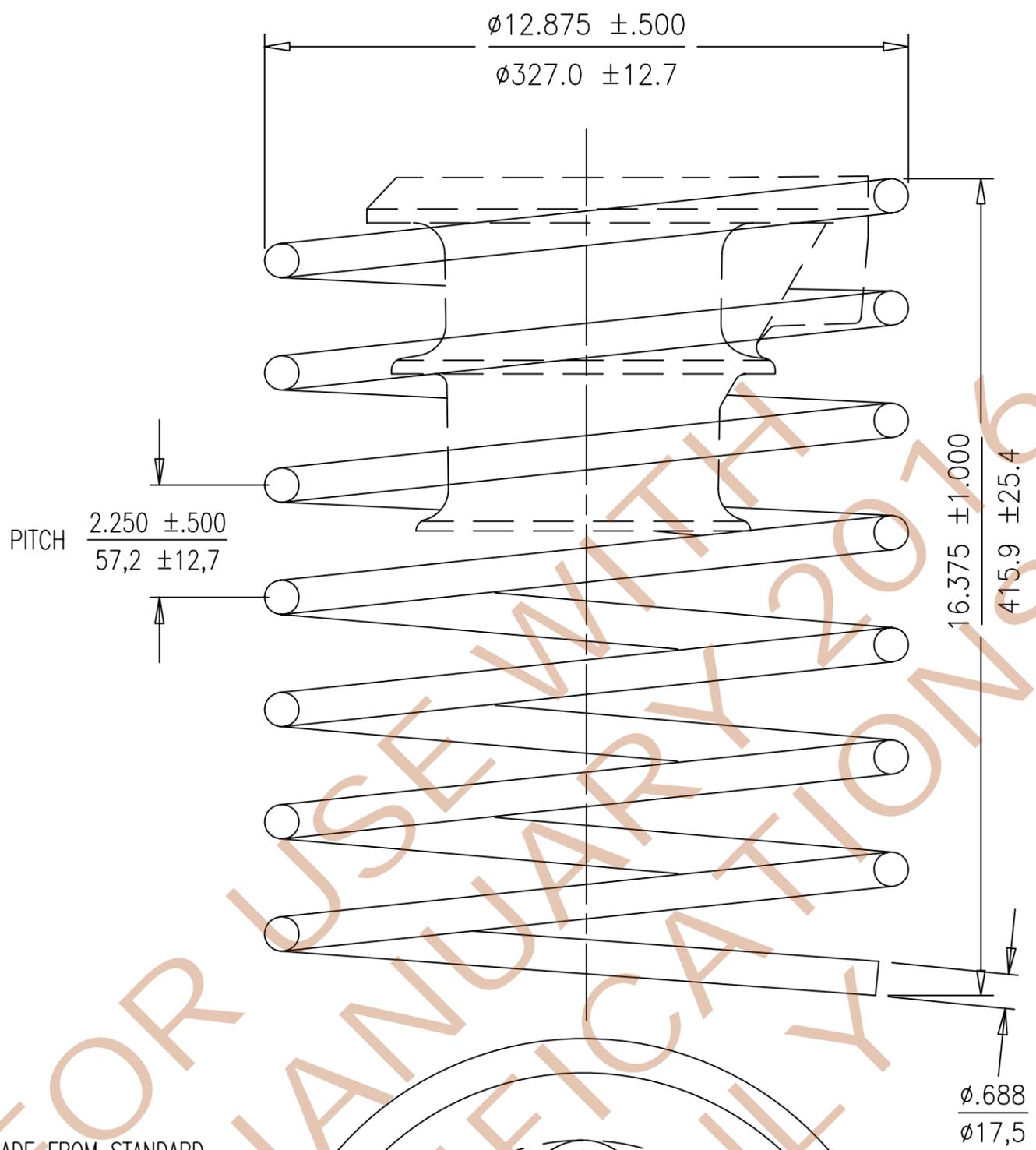
APPROVED BY FDOT 09-14-07

PART NUMBER	DESCRIPTION	GROUT PORT THREADS
68 12 216	UNCOATED	21mm
68 12 238	GALVANIZED	21mm
68 12 246	UNCOATED	3/4" NPT
68 12 248	GALVANIZED	3/4" NPT

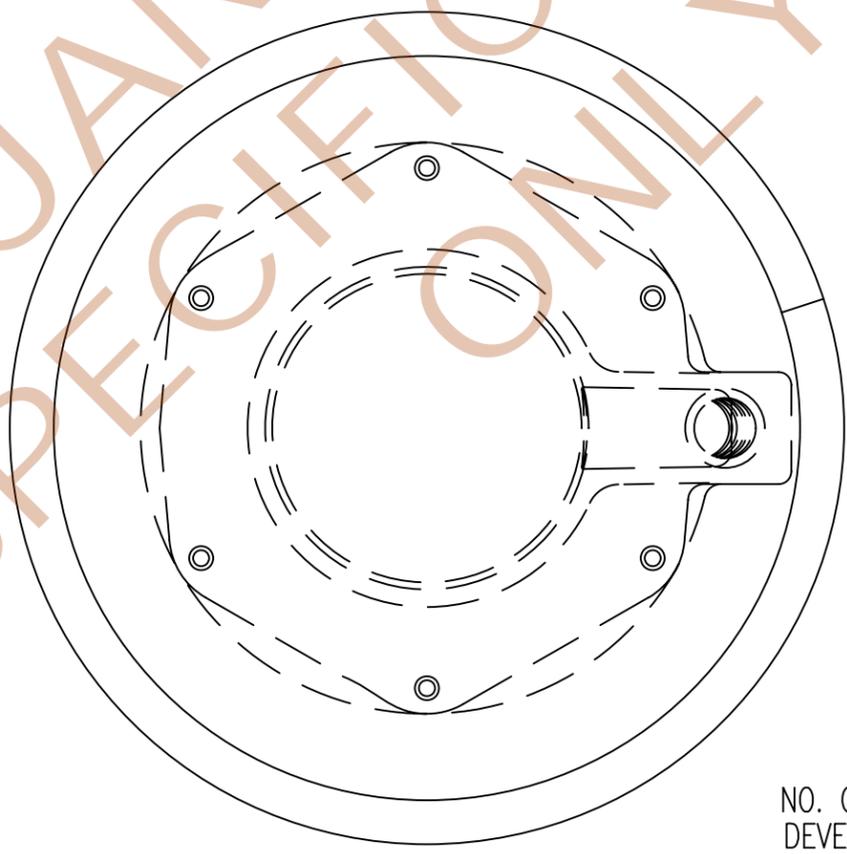
SEE 68 12 216 90 FOR RAW CASTING. ALL PARTS HAVE 3/8"-16UNC THREADS ADDED TO RAW CASTING.

DIMENSIONS: INCH/mm mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: 2 ±.030 ±2" UNLESS NOTED	WEIGHT 20 LBS.	REV.	DATE	NAME	PART NUMBER: 68 12 216 68 12 238 68 12 246 68 12 248
12-0.6"/15-0.5" MULTI-PLANE ANCHOR WITH TWO GROUT PORTS				MATERIAL: SEE MAT'L SPEC. PM0021200C	SCALE 1:3				DRAWING NUMBER: 68 12 216
DATE: 09-14-07	DWG: G. MALECKI	CHK: H.K.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405					





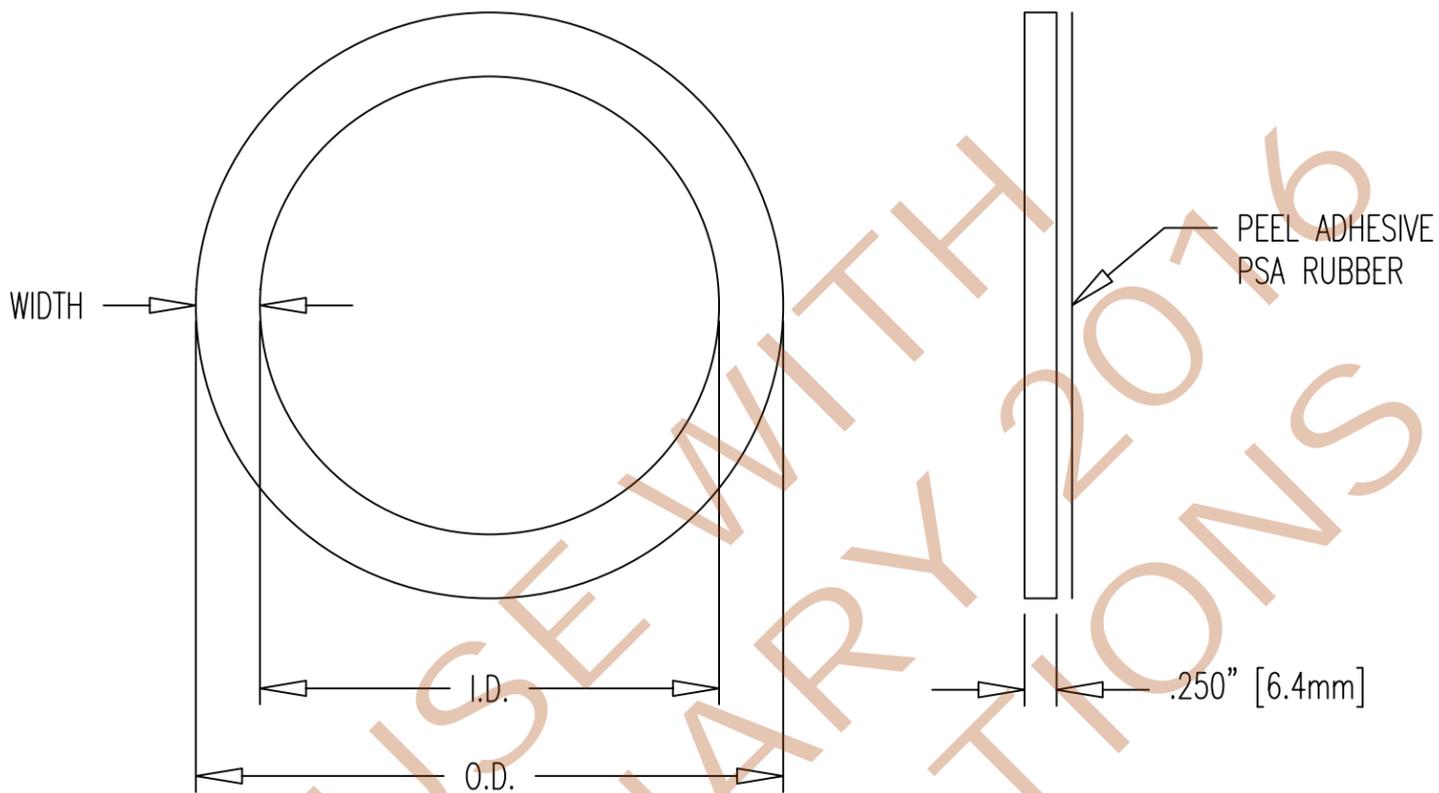
- NOTES:
1. SPIRAL IS MADE FROM STANDARD #5 REBAR, NO PART NUMBER MARKING IS SHOWN.
 2. KEEP SPIRAL AND MPA AXIS ALIGNED, IF USING SIDE PORT, ROTATE SPIRAL TO CLEAR.



NO. OF FULL TURNS: 7
 DEVELOPED LENGTH: 22'-6" ±1/4 IN.
 WEIGHT: 23.5

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS60021400A		TOLERANCES: ±.020 UNLESS NOTED	WEIGHT 23.5 LBS.	REV.	DATE	NAME	PART NUMBER: 68 12 254
STANDARD SPIRAL FOR 12-0.6"/15-0.5" MPA				MATERIAL: ASTM A615 SIZE #5, GR 60	SCALE 1:4				DRAWING NUMBER: 68 12 254
				DATE: 09-14-07 DWG: G. MALECKI CHK: S.Y. APP: K.S.		DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405			
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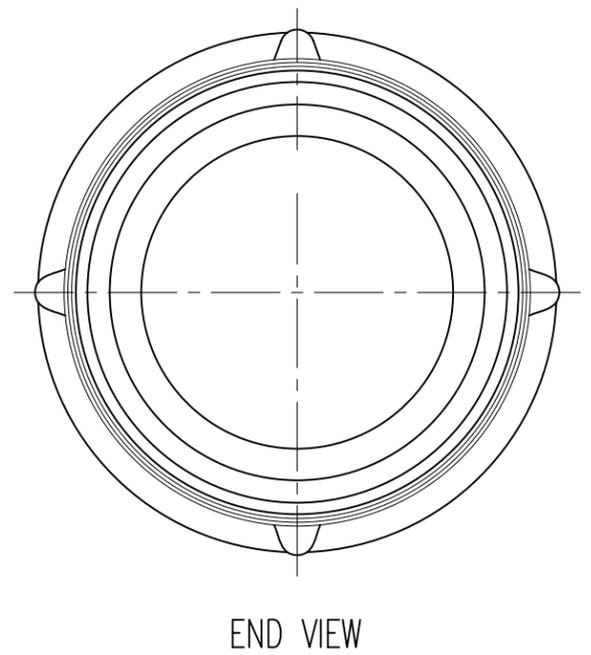
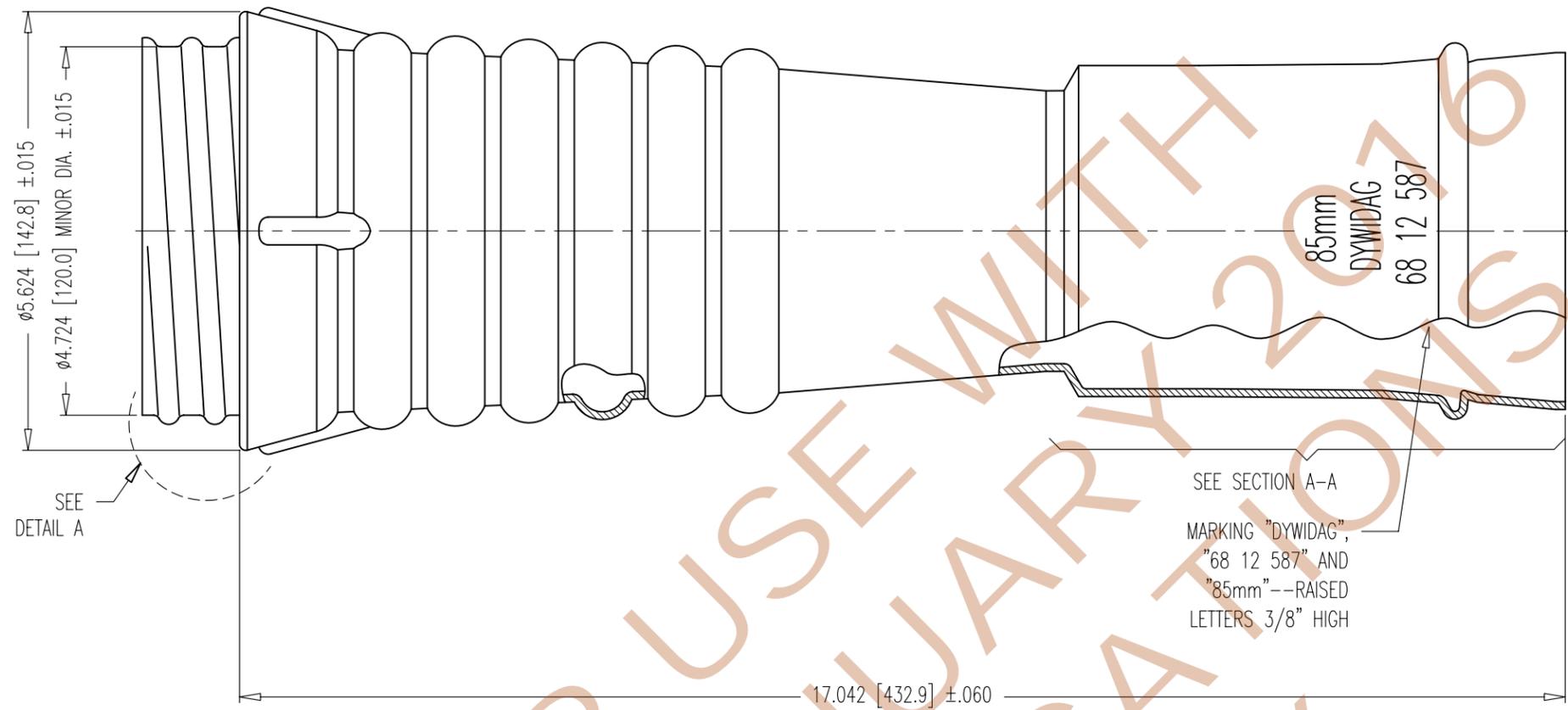


PART NUMBER	SYSTEM	O.D.	I.D.	WIDTH
68 07 584	7-0.6"	ø4.580" [116mm]	ø3.580" [91mm]	.500" [12.7mm]
68 12 584	12-0.6"	ø5.695" [145mm]	ø4.820" [122mm]	.438" [11.1mm]
68 19 584	19-0.6"	ø6.675" [170mm]	ø5.800" [147mm]	.438" [11.1mm]
68 27 584	27-0.6"	ø7.340" [186mm]	ø6.340" [161mm]	.500" [12.7mm]

NOTE:
SPECIAL ORDER
NO STAMPED PART NUMBER

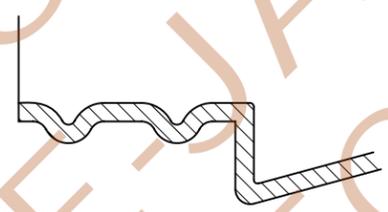
APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS60063300R		TOLERANCES: ±.030 UNLESS NOTED		REV.	DATE	NAME	PART NUMBER: 68 07 584 68 12 584 68 19 584 68 27 584		
RUBBER SEAL BETWEEN MPA AND TRUMPET				MATERIAL: CLOSED CELL NEOPRENE BLEND		SCALE NTS				DRAWING NUMBER: 68 00 584	
				DATE: 09-14-07		DWG: G. MALECKI		CHK: C.N.			APP: E.A.
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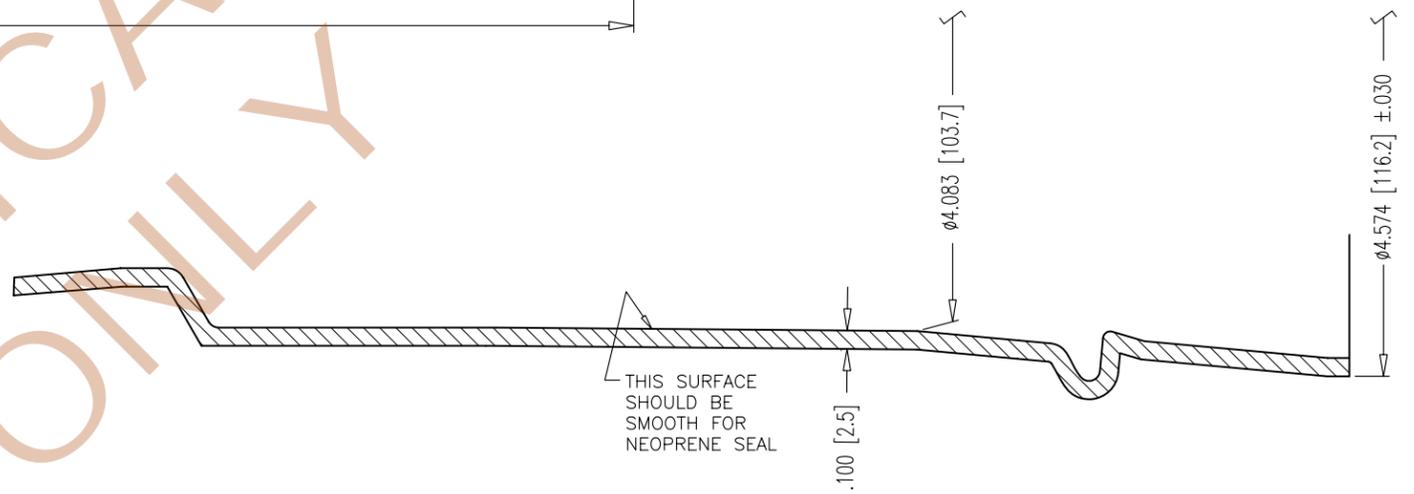


SEE SECTION A-A
 MARKING "DYWIDAG",
 "68 12 587" AND
 "85mm"--RAISED
 LETTERS 3/8" HIGH

SEE
 DETAIL A



DETAIL A
 THREAD FITS INTO 12-0.6" MPA
 CASTING (SEE DRAWING 68 12 216)



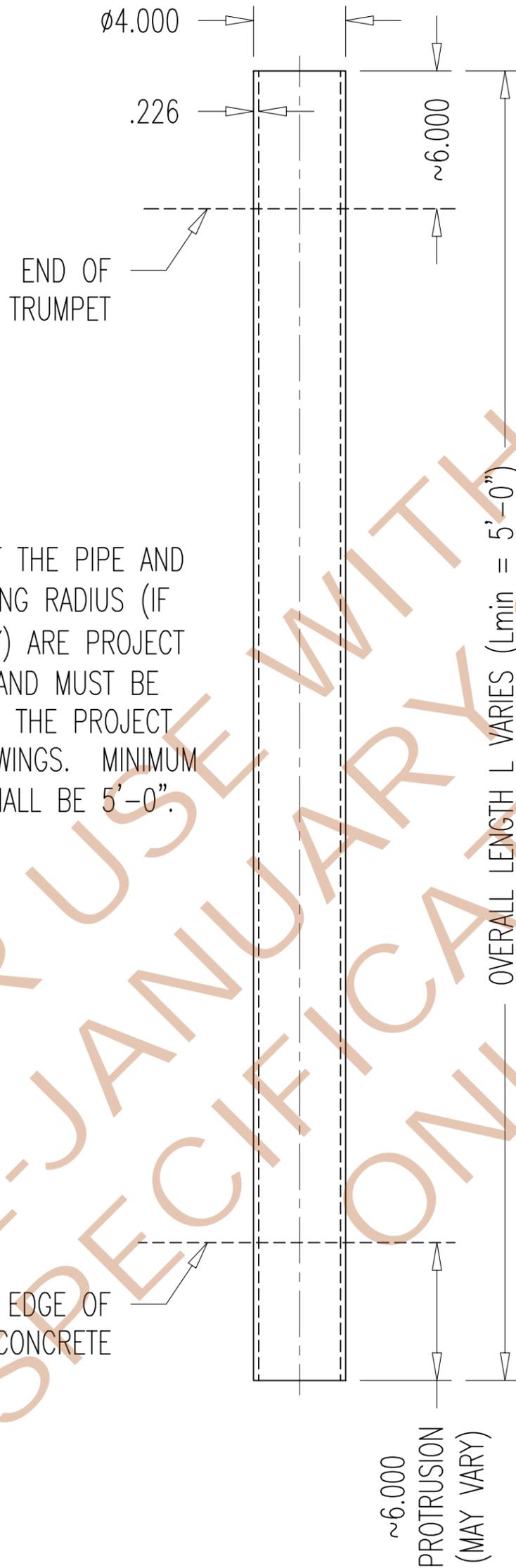
SECTION A-A

(THESE INSIDE DIMENSIONS ARE MORE
 IMPORTANT THAN OUTSIDE DIMENSIONS,
 MUST FIT OVER 85mm GTI DUCT U00220350)

APPROVED BY FDOT 09-14-07

MATERIAL SPECIFICATIONS:
 MANUFACTURE TRUMPETS FROM NON-COLORED,
 UNFILLED POLYETHYLENE MEETING THE REQUIREMENTS
 OF ASTM D4976. THE TRUMPET SHALL BE WHITE IN
 COLOR CONTAINING ANTIOXIDANT(S) WITH A MINIMUM
 OXIDATION INDUCTION TIME (OIT) ACCORDING TO ASTM
 D 3895 OF 20 MINUTES AND CONTAINING A NON-YELLOWING
 LIGHT STABILIZER. THE STRESS CRACK RESISTANCE TEST OF
 THE TRUMPET SHALL RESULT IN A MINIMUM FAILURE TIME OF
 3 HOURS ACCORDING TO F 2136 AT AN APPLIED STRESS OF 348 PSI

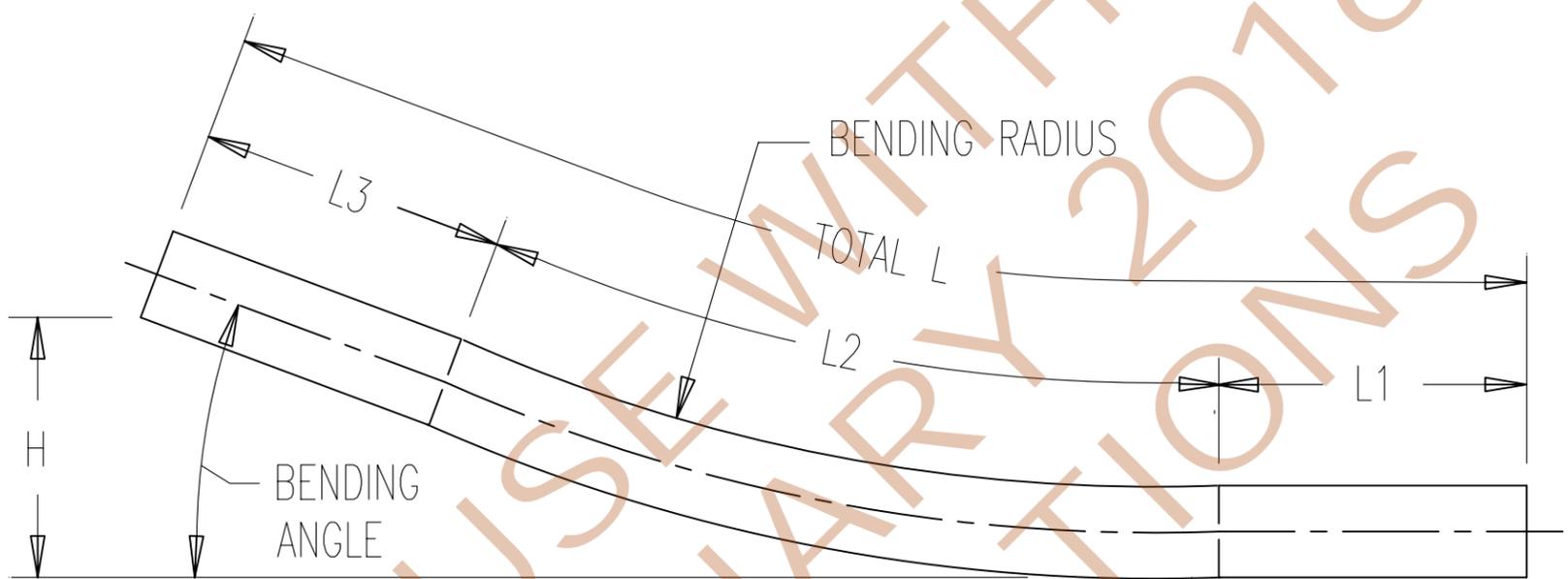
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED	WEIGHT	REV.	DATE	NAME	PART NUMBER: 68 12 587
12-0.6" TRUMPET FOR MPA TO 85mm GTI DUCT				MATERIAL: SEE ABOVE	SCALE 1:2 1:1 1:4				DRAWING NUMBER: 68 12 587
DATE: 09-14-07	DWG: G. MALECKI	CHK: E.A.	APP: K.S.	THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.					
DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. POST TENSIONING / REINFORCING UNIT PHONE: 630-739-1100 320 MARMON DRIVE - BOLINGBROOK, IL FAX: 630-739-1405									



NOTE:
 LENGTH OF THE PIPE AND
 THE BENDING RADIUS (IF
 NECESSARY) ARE PROJECT
 SPECIFIC, AND MUST BE
 SHOWN ON THE PROJECT
 SHOP DRAWINGS. MINIMUM
 LENGTH SHALL BE 5'-0".

APPROVED BY FDOT 12-12-07

DIMENSIONS: INCH		QUALITY PLAN NUMBER:		WEIGHT 9.11 LBS./FT.	REV.	DATE	NAME	DRAWING NUMBER: CH-2724
DIAPHRAGM PIPE FOR 12-0.6" EXTERNAL TENDON								
DATE: 12-12-07	DWG: G. MALECKI	CHK: S.I.	APP: E.A.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405				
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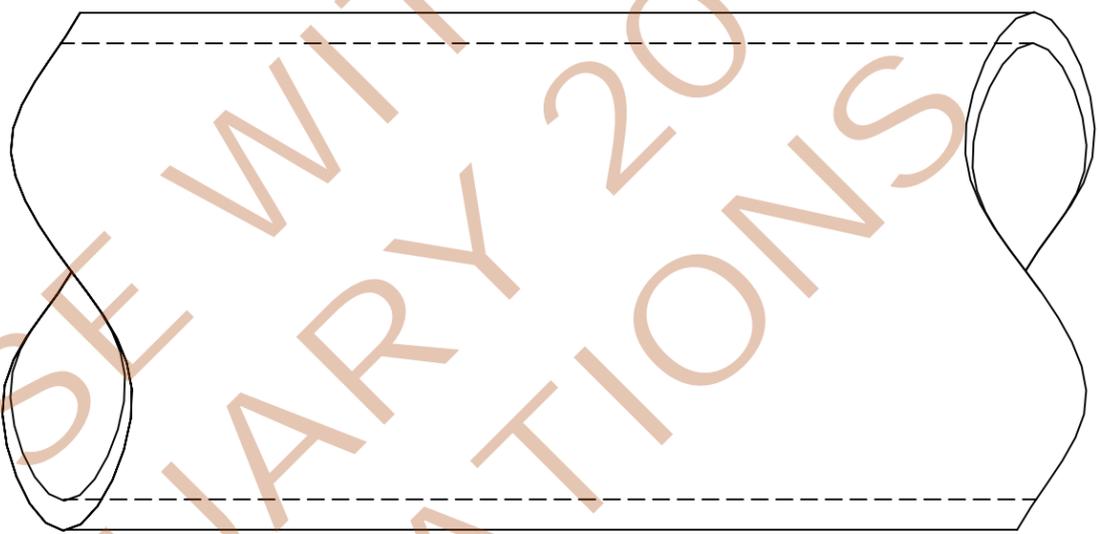
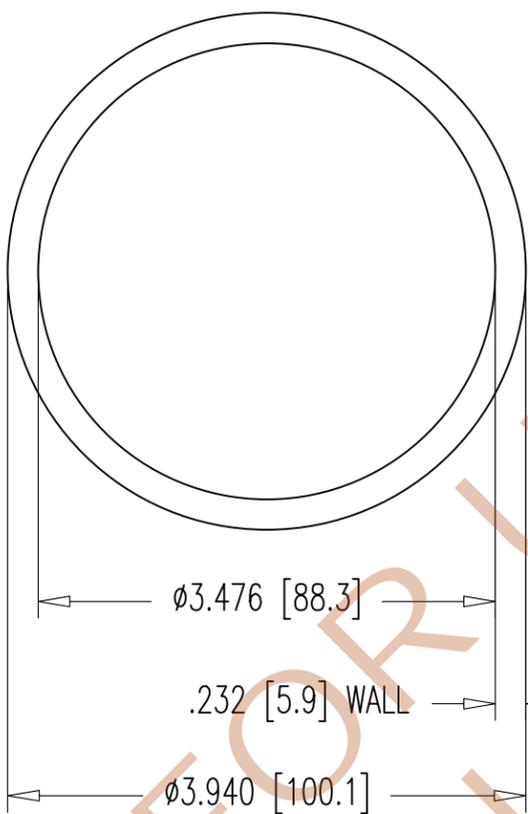


1. PART NUMBERS, EXACT DIMENSIONS AND BENDING ANGLES TO BE SPECIFIED FOR EACH ORDER.
2. ALL MARKINGS ARE PAINTED.
3. STRAIGHT ENDS (L1/L3) SHORTER THAN 1 FT LONG WILL NEED TO BE RECUT AFTER BENDING.
4. LENGTH AND BENDING RADIUS VALUES ARE PROJECT SPECIFIC AND SHALL BE SHOWN ON THE SHOP DRAWINGS.

PIPE	OD (IN./mm)	WALL (IN./mm)	ID (IN./mm)	WEIGHT (LBS/FT)
3-1/2" STD	4.000/101.6	.226/5.7	3.548/90.1	9.11
STANDARD STEEL PIPE ASTM A53 GR B, HOT DIP GALVANIZED PER ASTM A123				

APPROVED BY FDOT 12-12-07

DIMENSIONS: INCH mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		REV.				DATE	NAME	PART NUMBER:	
12-0.6" GALVANIZED BENT DEVIATOR PIPE				MATERIAL: SEE ABOVE		SCALE NTS		PROJECT DEPENDENT			
DATE: 10-26-07	DWG: G. MALECKI	CHK: S.N.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405							
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NOTES:

1. MATERIAL: 100mm SDR17, EHMW PE3608 (BLACK).
2. PIPE IS COLORED BLACK AND IS UV STABILIZED FOR EXTERNAL TENDONS.

MANUFACTURER: POLYPIPE, INC.
 MANUFACTURER PART ORDER NUMBER:
 100mm SDR17 BLACK PE PIPE.

MATERIAL SPECIFICATIONS:

MANUFACTURE SMOOTH DUCT FROM 100% VIRGIN POLYETHYLENE RESIN MEETING THE REQUIREMENTS OF ASTM D 3350 WITH A MINIMUM CELL CLASS OF 344464C. THE DUCT SHALL BE BLACK IN COLOR CONTAINING ANTIOXIDANT(S) WITH A MINIMUM OXIDATION INDUCTION TIME (OIT) ACCORDING TO ASTM D 3895 OF 40 MINUTES. MANUFACTURE DUCT WITH A DIMENSION RATIO (DR) OF 17 OR LESS AS ESTABLISHED BY EITHER ASTM D 3055 BASED ON CONTROLLED OUTSIDE DIAMETER OR ASTM F 714 BASED ON OUTSIDE DIAMETER. SMOOTH DUCT SHALL HAVE A MINIMUM PRESSURE RATING (WORKING PRESSURE) OF 100 PSI.

APPROVED BY FDOT 12-12-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		WEIGHT 1.179 LBS./FT.	REV.	DATE	NAME	PART NUMBER: U00055412
12-0.6" SMOOTH HDPE SHEATHING FOR EXTERNAL ANCHORS								
DATE: 10-02-07	DWG: G. MALECKI	CHK: S.N.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405				
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