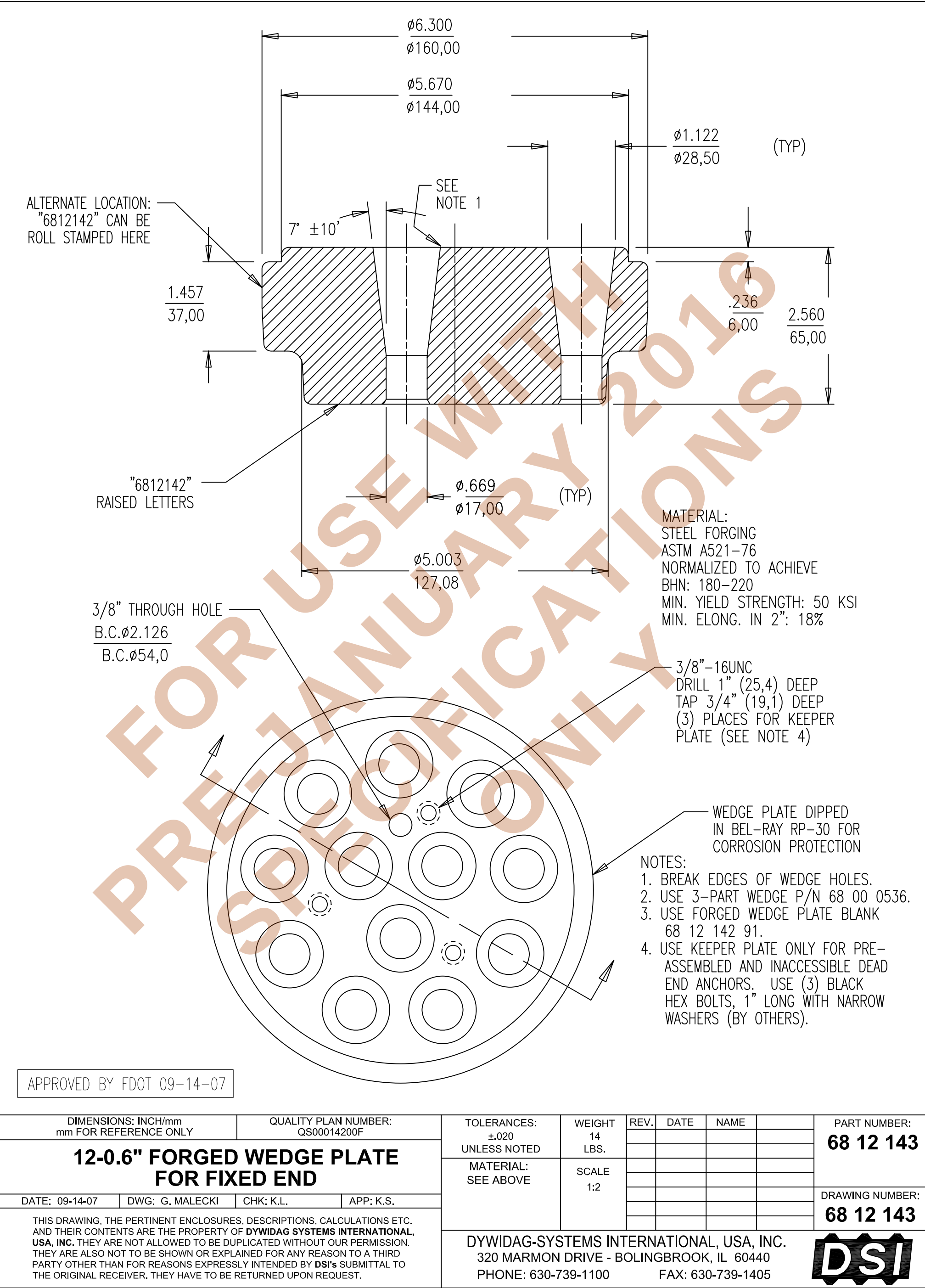
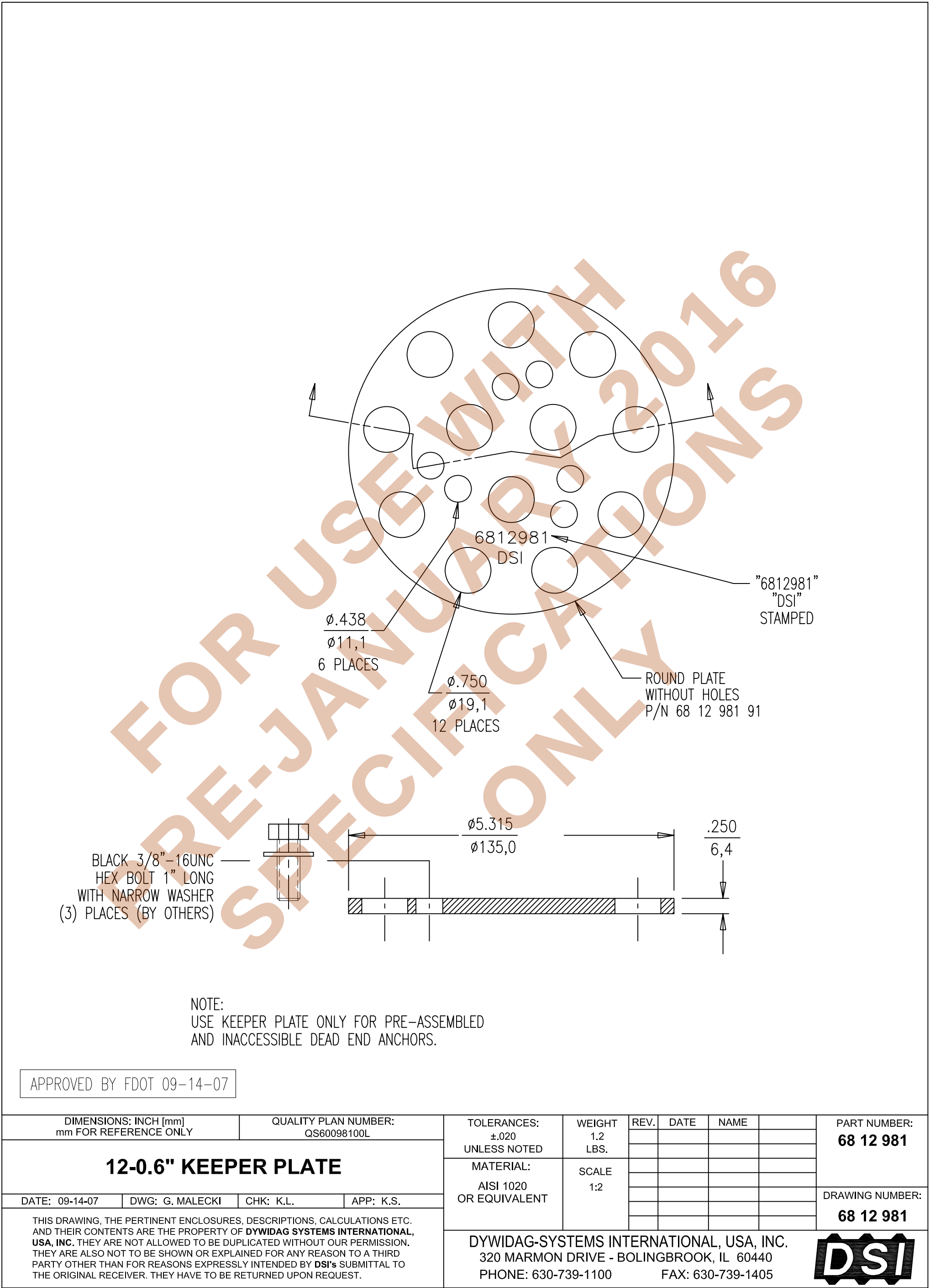
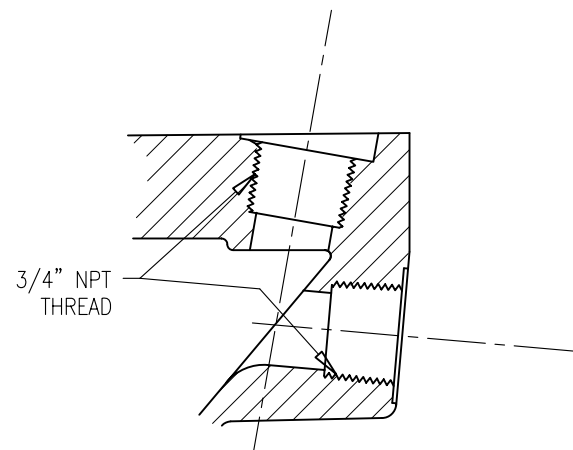




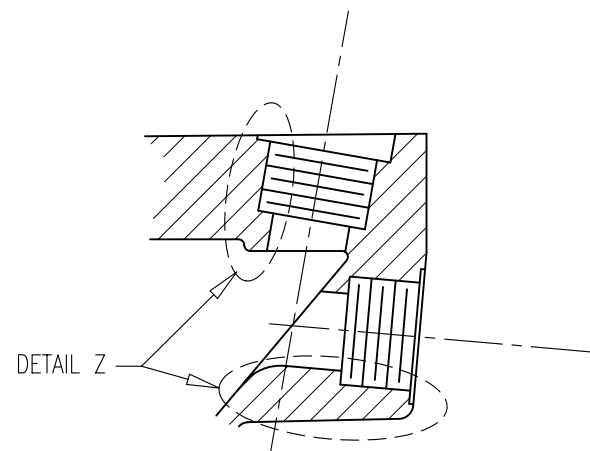
DIMENSIONS: INCH/mm mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS00014200F		TOLERANCES: ±.020 UNLESS NOTED		WEIGHT 14 LBS.		REV.	DATE	NAME	PART NUMBER: 68 12 143	
12-0.6" FORGED WEDGE PLATE FOR FIXED END				MATERIAL: SEE ABOVE		SCALE 1:2						DRAWING NUMBER: 68 12 143
DATE: 09-14-07	DWG: G. MALECKI	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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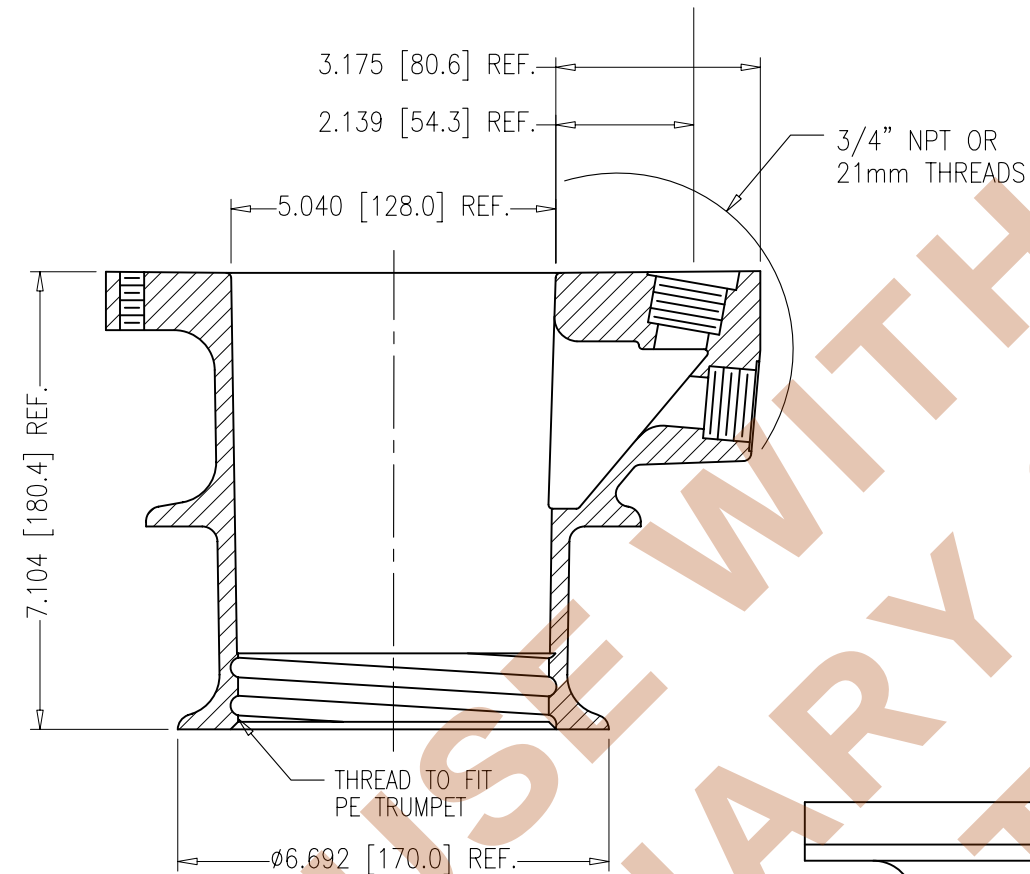




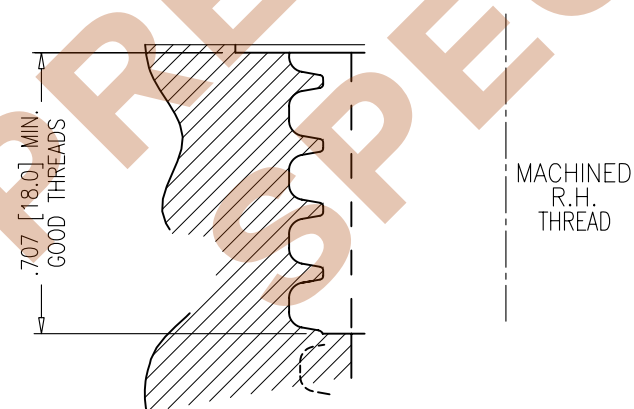
GROUT PORT THREADS
WITH 3/4" NPT THREADS
SCALE 3:2 IN COMPUTER



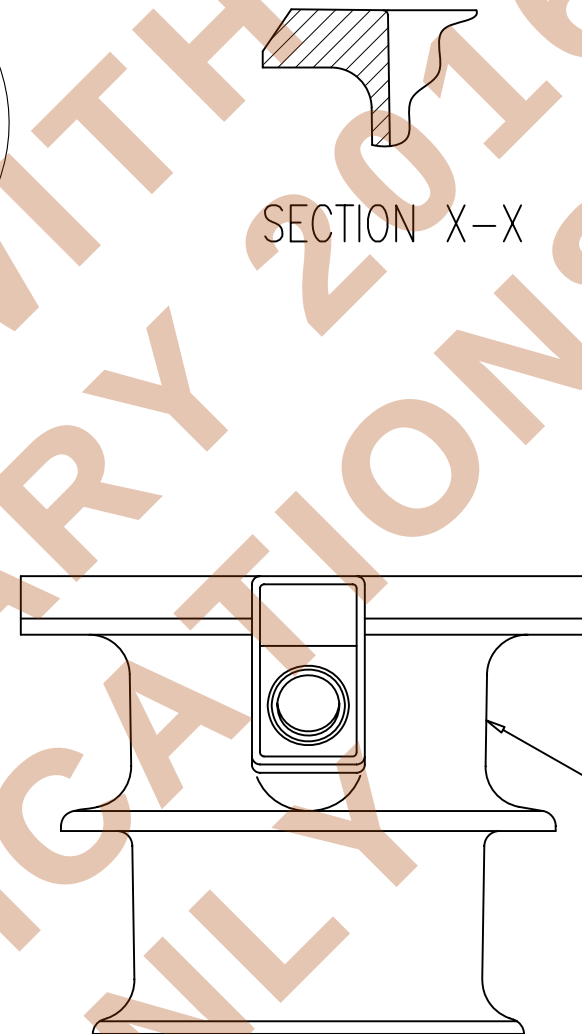
GROUT PORT THREADS
WITH 21mm THREADS
SCALE 3:2 IN COMPUTER



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

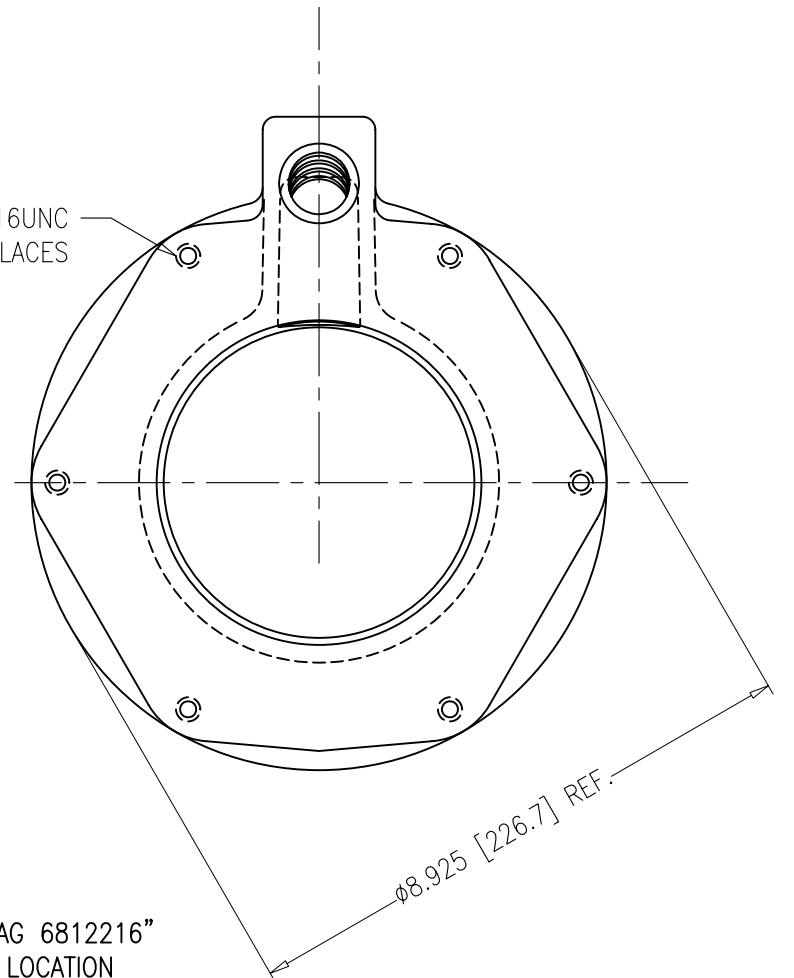


DETAIL Z
SCALE 6:1 IN COMPUTER



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.

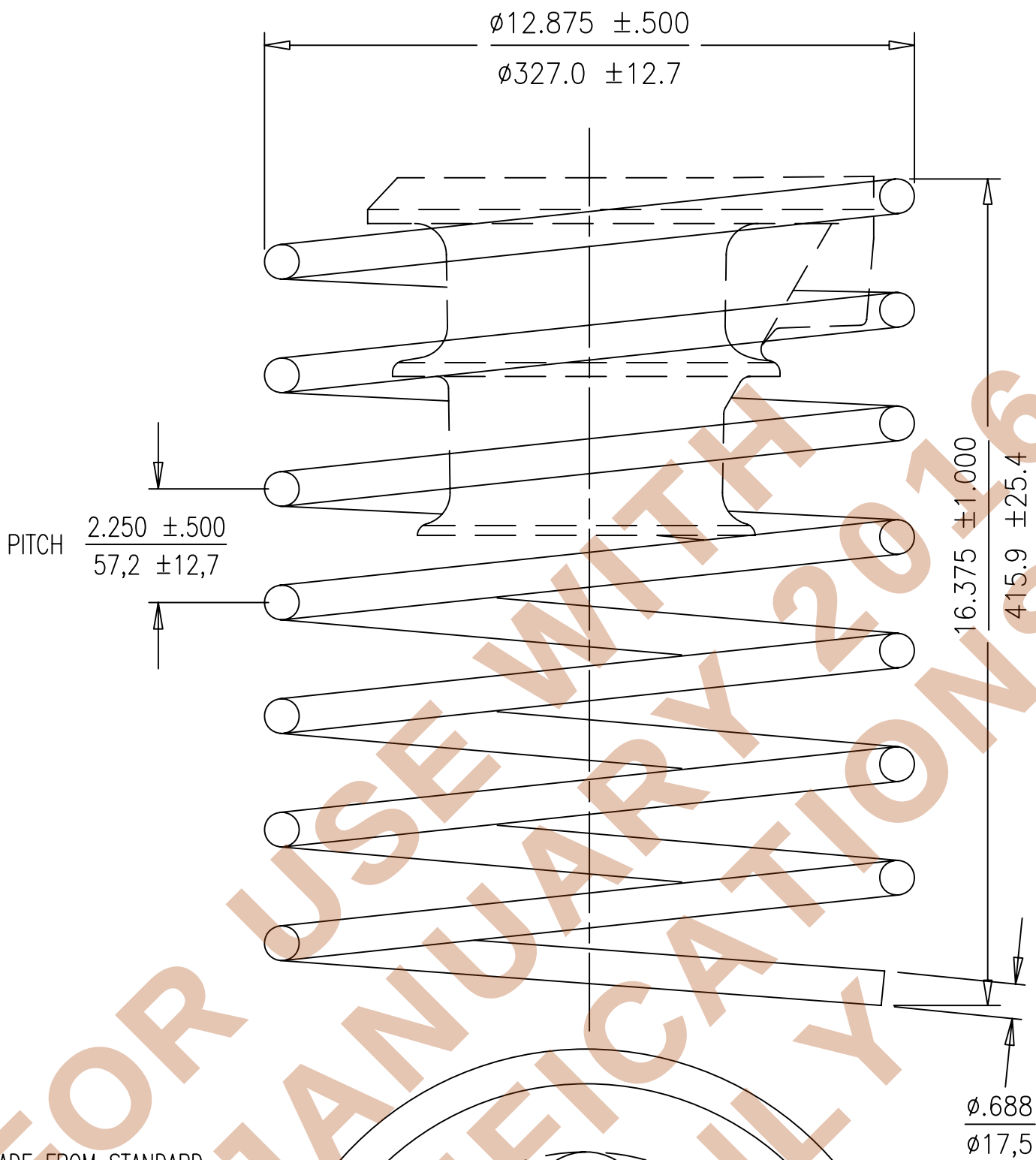


PART NUMBER	DESCRIPTION	GROUT PORT THREADS
68 12 216	UNCOATED	21mm
68 12 238	GALVANIZED	21mm
68 12 246	UNCOATED	3/4" NPT
68 12 248	GALVANIZED	3/4" NPT
SEE 68 12 216 90 FOR RAW CASTING. ALL PARTS HAVE 3/8"-16UNC THREADS ADDED TO RAW CASTING.		

APPROVED BY FDOT 09-14-07

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.		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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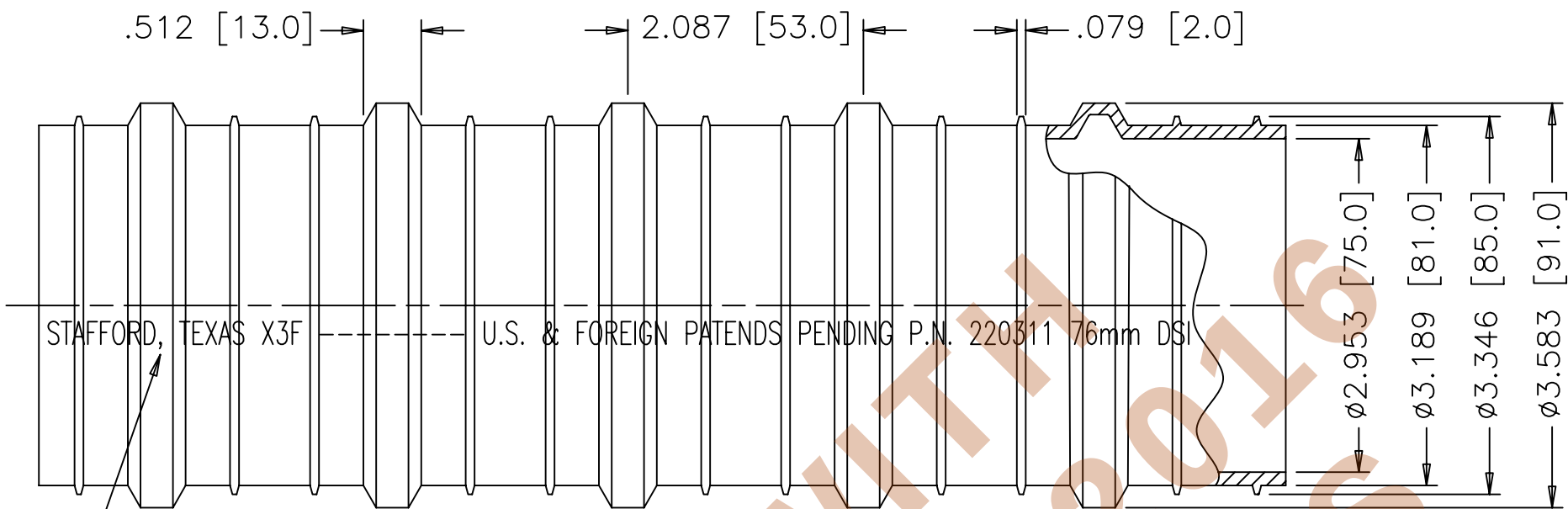


- NOTES:
- 1. SPIRAL IS MADE FROM STANDARD #5 REBAR, NO PART NUMBER MARKING IS SHOWN.
 - 2. KEEP SPIRAL AND MPA AXIS ALIGNED, IF USING SIDE PORT, ROTATE SPIRAL TO CLEAR.

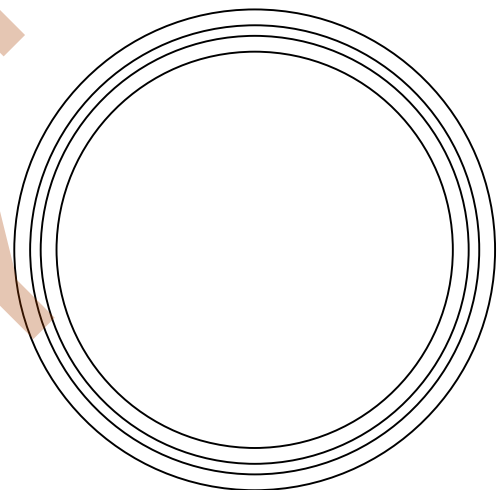
NO. OF FULL TURNS: 7
DEVELOPED LENGTH: 22'-6" ±1/4 IN.
WEIGHT: 23.5

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.											
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RUNNING LATEX PRINT:
"GTI GENERAL TECHNOLOGIES, INC. STAFFORD, TEXAS X3F ----- U.S. & FOREIGN PATENTS PENDING P.N. 220311 76mm DSI" (----- = BATCH NUMBER).



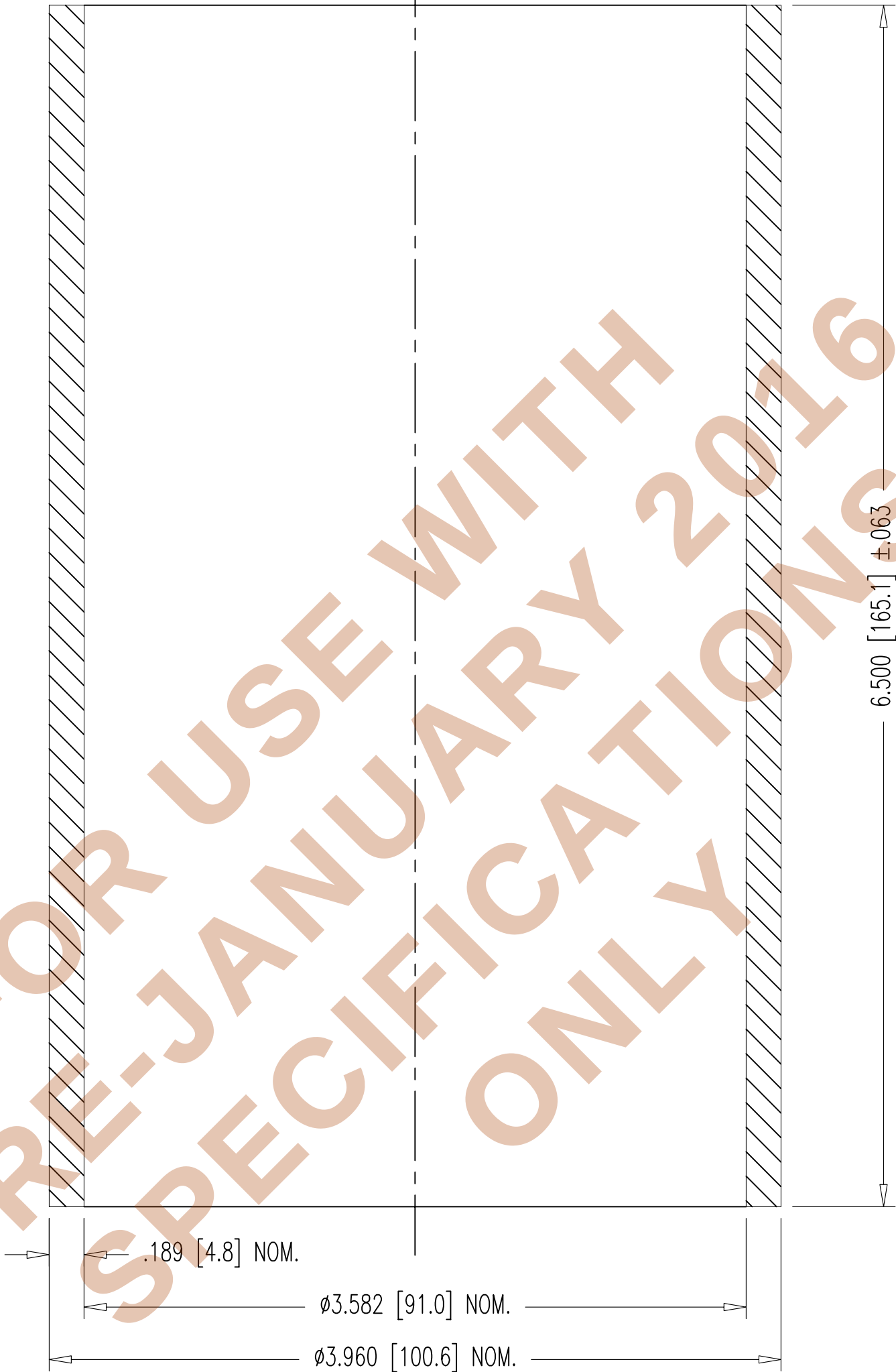
- NOTES:
- GTI GENERAL TECHNOLOGIES, INC. STAFFORD, TEXAS X3F ----- U.S. & FOREIGN PATENTS PENDING P.N. 220311 76mm DSI (----- IS BATCH NO.).
 - ALL DIMENSIONS MEASURED.
 - STANDARD FIT FOR 9-0.6" & 12-0.5" STRANDS.
 - THIS DRAWING IS NOT INTENDED FOR MANUFACTURING PURPOSES.
 - Min. BENDING RADIUS, $R_{min} = 13.84$ FT.
 - DUCT IS DELIVERED IN STRAIGHT SECTIONS AND IS NOT INTENDED TO BE COILED.

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QU00041110P		TOLERANCES: ±.010 UNLESS NOTED	WEIGHT 0.46 LBS.	REV.	DATE	NAME	PART NUMBER: U00220311	
3" (76mm) MEDIUM THICKNESS CORR. PP DUCT						MATERIAL: PM00004111P "PPEX3"	SCALE 1:2			
DATE: 02-08-08				DWG: G. MALECKI		CHK: S.N.		APP: K.S.		
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FOR USE WITH
PRE-JANUARY 2016
SPECIFICATIONS ONLY



NOTE:
FOR USE WITH 12-0.6" PE TRUMPET 68 12 587
AND 76mm CORR. PP DUCT U00220300 OR U00220311.

APPROVED BY FDOT 02-08-08

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		MATERIAL: HDPE	WEIGHT 0.53 LBS. SCALE 1:1	REV.	DATE	NAME		PART NUMBER: 68 12 582
SPACER										
DATE: 02-08-08	DWG: G. MALECKI	CHK: S.N.	APP: K.S.					DRAWING NUMBER: 68 12 582		
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