

4 3 2 1

D

THE FOLLOWING PARTS ARE REQUIRED FOR THE THOR LX KNEE ASSEMBLY

QTY PART

- ③ 1 ASSEMBLY, SLIDING KNEE, BALL BEARING LEFT (EX 593-1)
- ③ 1 ASSEMBLY, SLIDING KNEE, RIGHT (EX 593-2)

C

NOTES:

- ① DENTON-ATD PART NUMBER LISTED - EQUIVALENT MAY BE SUBSTITUTED.

B

A

REV. #	ZONE	DESCRIPTION	DATE	BY
1	NOTE 2	ADDED NOTE 2 REGARDING KNEE INSERT MATERIAL	12/7/99	D. BEACH
2	GLOBAL	UPDATED PART NUMBERS AND NOTES	11/14/00	D. BEACH
3	GLOBAL	CHANGED DRAWING TITLE, NUMBER AND CONTENT	10/2/01	D. BEACH

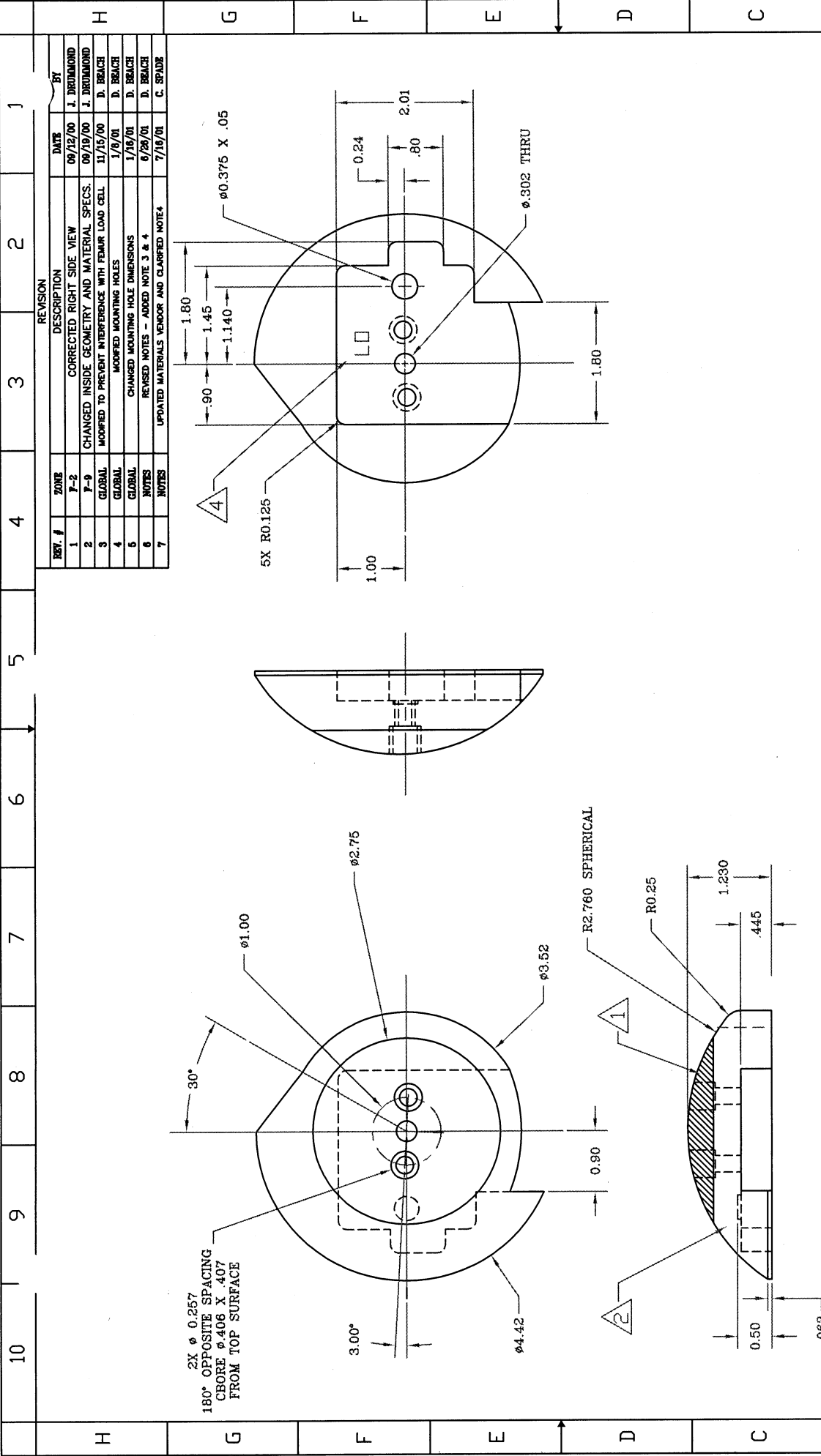
QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
Tolerances			
Angles ± .5			
Fractions ± 1/64			
Decimals: .xx ± .01			
.xxx ± .005			
* DO NOT SCALE DRAWING *			
FINISH:			
ENGINEERED: D. BEACH		DATE: 5/27/97	DEPARTMENT OF TRANSPORTATION
DRAWN: D. BEACH		DATE: 5/27/97	NHTSA
APPROVED: D. DELBRIDGE		DATE: 10/9/01	CONTRACT NO.: DTRE 88-94-C-07010
SCALE: 1=1		SIZE: A	DESIGNED BY: GBSAC, INC.
REVISION: 3		135 BUCKING HIRE BOULDER, CO 80713	
QUANTITY FOR AN ASSEMBLY: 1		DRAWING TITLE: KNEE ASSEMBLY MECHANICAL ASSEMBLY	
QUANTITY FOR ENTIRE DUMMY: 1		DRAWING NUMBER: T1KNM000	
MATERIAL: SEE DWGS.		Page 1/1	

1

2

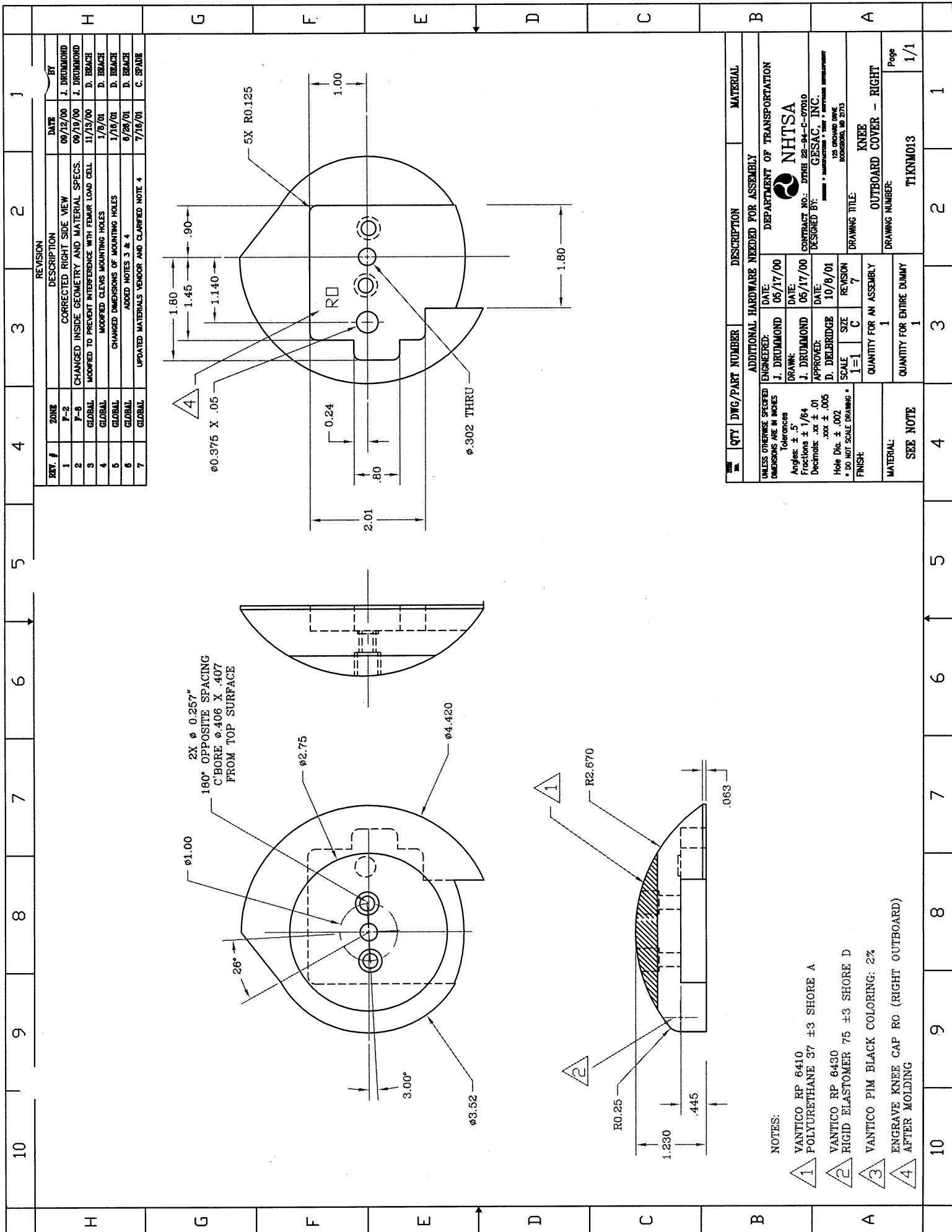
3

4



10	9	8	7	6	5	4	3	2	1																																								
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<p>2X <math>\phi</math>.257 180° OPPOSITE SPACING C-BORE <math>\phi</math>.406 X .407 FROM TOP SURFACE</p> <p><math>\phi</math>1.00</p> <p>30.00°</p> <p>3.00°</p> <p>R1.76</p> <p><math>\phi</math>2.75</p> <p><math>\phi</math>4.420</p> <p>1.230</p> <p>.445</p> <p>R0.25</p> <p>R2.670</p> <p>0.06</p> <p>0.10</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p>																																												
<p>5X R.125</p> <p>2.10</p> <p>.90</p> <p>1.34</p> <p>1.02</p> <p>1.00</p> <p>1.23</p> <p>1.80</p> <p>.60</p> <p>0.13</p> <p>LI</p> <p>4</p>																																												
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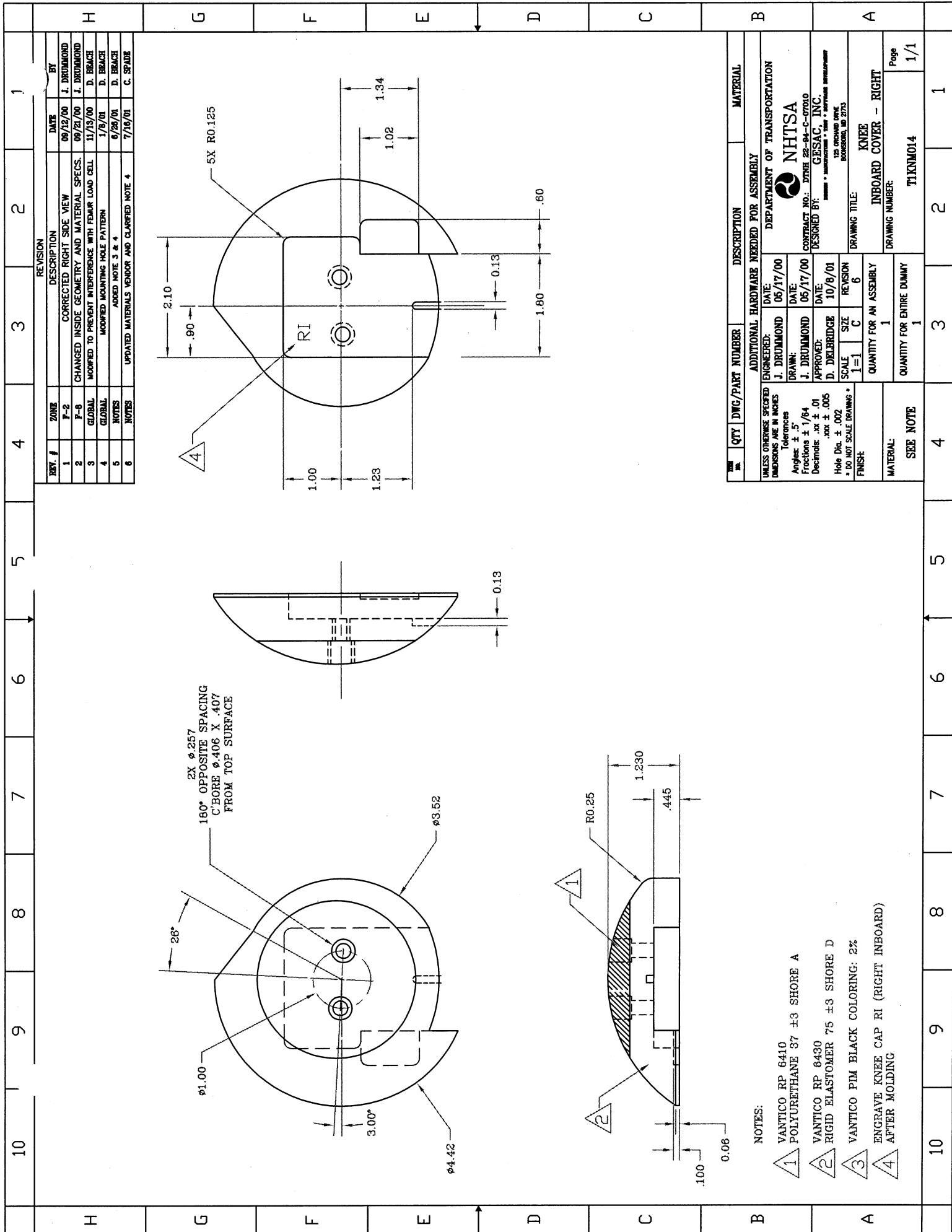


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4	GLOBAL	MODIFIED CLEVIS MOUNTING HOLES	1/19/01	D. BEACH
5	GLOBAL	CHANGED DIMENSIONS OF MOUNTING HOLES	1/19/01	D. BEACH
6	GLOBAL	ADDED NOTES 3 & 4	6/28/01	D. BEACH
7	GLOBAL	UPDATED MATERIALS VENDOR AND CLARIFIED NOTE 4	7/18/01	C. SPADIS

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DRAWN:	J. DRUMMOND	DATE:	05/17/00
APPROVED:	D. DELBRIDGE	DATE:	10/9/01
SCALE:	I=1	SIZE:	C
Hole Dia. ± .002		REVISION:	7
* DO NOT SCALE DRAWING *		QUANTITY FOR AN ASSEMBLY:	1
FINISH:		QUANTITY FOR ENTIRE DUMMY:	1
MATERIAL:			
SEE NOTE			

NHTSA  
 DEPARTMENT OF TRANSPORTATION  
 CONTRACT NO.: DTRC 22-94-C-07010  
 DESIGNED BY: GESAC, INC.  
125 GARDEN CITY PLAZA  
 GARDEN CITY, NY 11530  
 DRAWING TITLE: KNEE  
 OUTBOARD COVER - RIGHT  
 DRAWING NUMBER: T1KNM013  
 Page: 1/1

- NOTES:
- 1 VANTICO RP 6410 POLYURETHANE 37 ±3 SHORE A
  - 2 VANTICO RP 6430 RIGID ELASTOMER 75 ±3 SHORE D
  - 3 VANTICO PIM BLACK COLORING: 2%
  - 4 ENGRAVE KNEE CAP RO (RIGHT OUTBOARD) AFTER MOLDING



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5	NOTES	ADDED NOTE 3 & 4	6/28/01	D. BRANCH
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1	1	QUANTITY FOR ENTIRE DUMMY	

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Angles: ± .5°	ENGINEERED: J. DRUMMOND DATE: 05/17/00
Fractions: ± 1/64	DRAWN: J. DRUMMOND DATE: 05/17/00
Decimals: .xx ± .005	APPROVED: D. DELBRIDGE DATE: 10/8/01
Hole Dia. ± .002	SCALE: I=1 C
* DO NOT SCALE DRAWING *	SIZE: C
FINISH:	REVISION: 6
	QUANTITY FOR AN ASSEMBLY: 1
	QUANTITY FOR ENTIRE DUMMY: 1

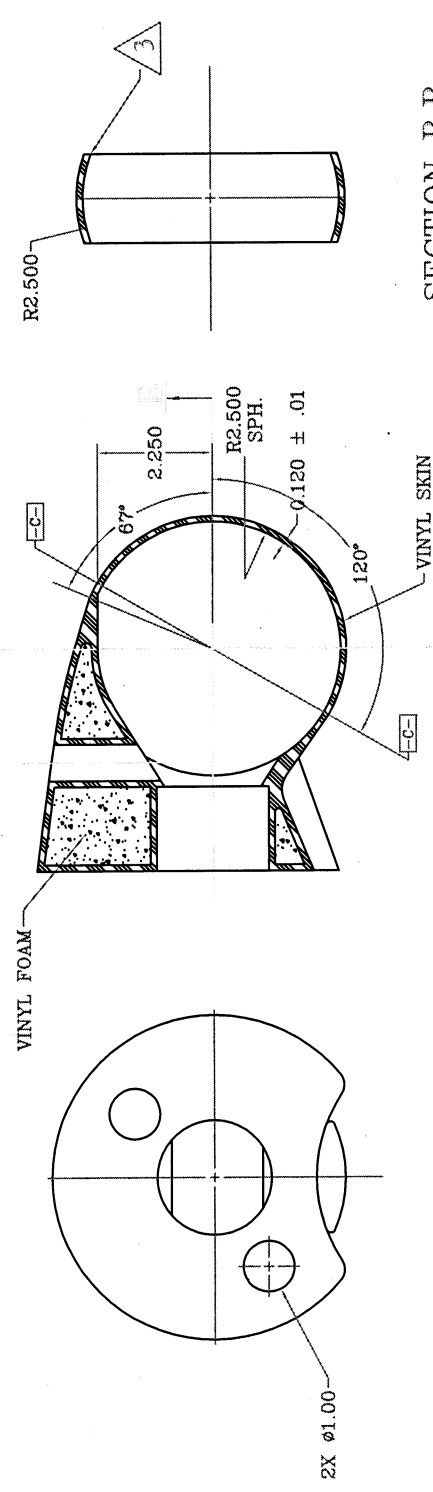
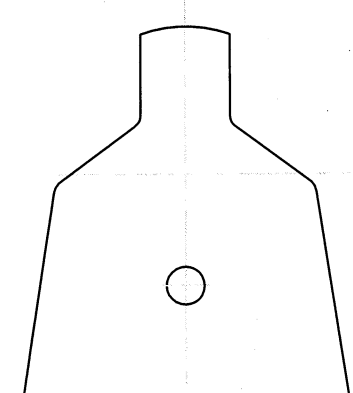
  

NHTSA DEPARTMENT OF TRANSPORTATION CONTRACT NO.: DTRH 22-94-C-07010 DESIGNED BY: GESAC, INC. <small>125 ORCHARD DRIVE ROCKSBORO, IL 61273</small>	DRAWING TITLE: KNEE INBOARD COVER - RIGHT DRAWING NUMBER: T1XNM014 Page: 1/1
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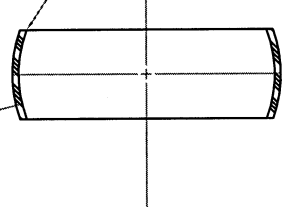
- NOTES:
- 1 VANTICO RP 6410 POLYURETHANE 37 ±3 SHORE A
  - 2 VANTICO RP 6430 RIGID ELASTOMER 75 ±3 SHORE D
  - 3 VANTICO PIM BLACK COLORING: 2%
  - 4 ENGRAVE KNEE CAP RI (RIGHT INBOARD) AFTER MOLDING

	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																												
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G																																												
F																																												
E	<p>SECTION A-A</p>																																											
D	<p>SECTION B-B</p>																																											
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16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
J	I	H	G	F	E	D	C	B	A								



SECTION B-B



- NOTES:
- 1 REFERENCE FIRST TECHNOLOGY SAFETY SYSTEMS DRAWING No. 78051-6.
  - 2 REFERENCE FIRST TECHNOLOGY SAFETY SYSTEMS DRAWING No. 78051-27.
  - 3 TRIM SKIN FLAP FROM INSIDE OF KNEE SKIN.
  - 4 DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SECTION A-A

2	1	78051-27	KNEE INSERT	SEE NOTE 2
1	1	78051-6	KNEE FLESH, RIGHT	SEE NOTE 1
1	1	QTY DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				
UNLESS OTHERWISE SPECIFIED: ENGINEER: DATE: DEPARTMENT OF TRANSPORTATION				
DIMENSIONS ARE IN INCHES SEE NOTE				
TOLERANCES: DRAWING DATE: 09/28/00 NHTSA				
ANGLES: ± 1/64 C. SPADS APPROVED: 10/08/01 CONTRACT NO.: FVHS 88-04-C-0700				
DECIMALS: .xxx ± .005 D. DELETRIDGE 10/08/01 DESIGNED BY: GESAC, INC.				
HOLE DIA. ± .002 SCALE: 1=1 D REVISION: 2				
FINISH: * DO NOT SCALE DRAWING * DRAWING TITLE: KNEE FLESH (RIGHT) - MODIFIED				
MATERIAL: SEE NOTE QUANTITY FOR AN ASSEMBLY: 1 DRAWING NUMBER: TIKNS011				
QUANTITY FOR ENTIRE DUMMY: 1 Page: 1/1				