UNLESS OTHERWISE SPECIFIED

TOLERANCES:

UNDER .5-INCH ± .0625 .5 TO 2-INCHES ± .125 2 TO 6-INCHES ± .25 OVER 6 INCHES ± .5

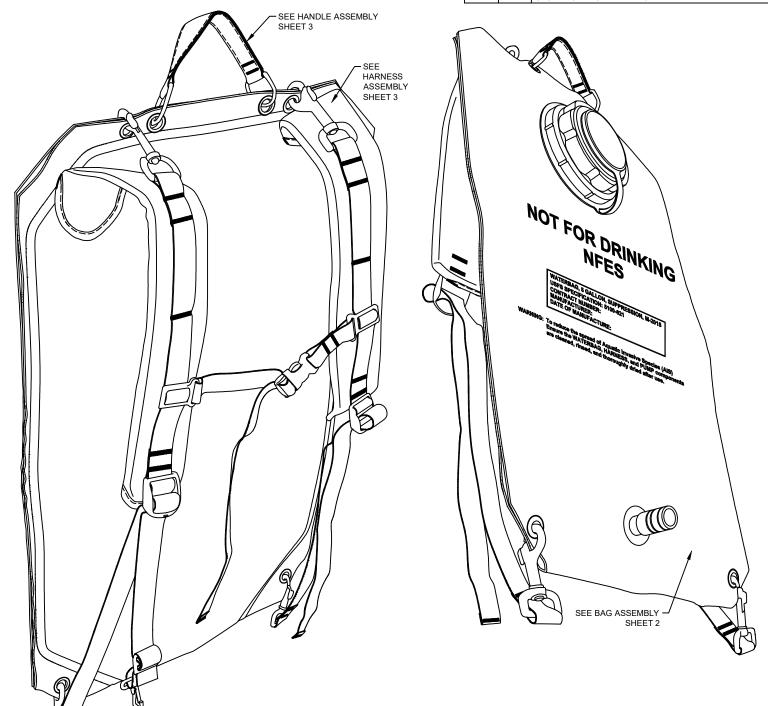
DIMENSIONS ARE IN INCHES

FILLER NECK ASSEMBLY TOLERANCES UNLESS OTHERWISE SPECIFIED

TOLERANCES: UNDER .5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

DIMENSIONS ARE IN INCHES

		REVISION DETAIL				
SHEET	REV	DESCRIPTION	APPROVED BY	DATE		
1	1	MISC MINOR CORRECTIONS TO MATERIALS LIST	G. APUZZO	05/2019		
1, 2	1	MARKINGS ADDED	G. APUZZO	05/2019		
1	1	EDITS TO NOTES	G. APUZZO	05/2019		
2	1	CHANGES TO MARKING DIMENSIONS BAG ASSEMBLY	G. APUZZO	05/2019		
3	1	MISC MINOR CORRECTIONS TO SECTIONS	G. APUZZO	05/2019		
3	1	MODIFY DIMENSIONS SECTION - BB	G.APUZZO	05/2019		
5-10	2	ADD FILLER CAP ASSEMBLY SHEETS 05-10 TO SET	G.APUZZO	09/2019		
ALL	2	GLOBAL CHANGE DIMENSIONS	G.APUZZO	02/2020		



	G. APUZZ	0 05/2019	4	FILLER NECK	1 1	1 \	2
	G. APUZZ	O 05/2019	3	FILLER NECK WASHER	1	1/	2
	G.APUZZ	05/2019	4	FILLER NECK NUT	1	SEE SPEC 5100-621	2
	G.APUZZ	09/2019	5	FILLER NECK CAP	1	(2
	G.APUZZ	02/2020	6	FILLER NECK TETHER	1		2
			7	FILLER NECK O-RING	1	7	
ſ	DECIMAL TO	FRACTION	8	GROMMET	6	0.815 OD, .37 ID, BRASS, STIMPSON CO. PART NO. 2G	2
ŀ						WASHER 0.835 OD, BRASS STIMPSON CO. PART NO. 2W	
ŀ	.015625	1/64 1/32				OR EQUAL	
ŀ		1/32	9	QUICK COUPLING	1	.375-NPT MALE THREAD, QUICK CONNECT FITTING	2
ŀ	.0625					FEMALE, SEE SPEC 5100-621	
ŀ	.09375	3/32	10	WASHER	3	1.50 OD X .688 ID X .05 THICK FLAT WASHER, GALV.	2
ŀ	.125	1/8	1	1 GASKET	1	SEE SPEC 5100-621	2
ŀ	.15625	5/32	1:	2 LOCKNUT	1	.375 NPT, FEMALE LOCKNUT, SIMMONS PART NO. 18225	2
ŀ	.1875	3/16				OR EQUAL	
ŀ	.21875	7/32	1:	3 HANDLE STRAP	1	1-INCH X 20, WEBBING, NYLON, CLASS 2, MIL-W-17337	3
ŀ	.25	1/4				COLOR BLACK	
ŀ	.28125	9/32	14	4 D-RING	2	0.136 DIA. X 1.44 WIDE X 1.14 HIGH, SPLIT TYPE D	3
ŀ	.3125	5/16				RING, LINAL PART NO. 175758 OR EQUAL	
ŀ	.34375	11/32	1:	5 THREAD	AR	THREAD, NYLON, TYPE II, CLASS A, A-A-59826, SIZE "E"	3
ŀ	.375	3/8				COLOR BLACK	
ŀ	.40625	13/32	10	6 PAD COVER	2	3 X 17.5 TUBULAR WEBBING, NYLON,	4
ŀ	.4375	7/16				SEE SPEC 5100-621, COLOR BLACK	
ŀ	.46875	15/32	1	7 PAD	2	0.375 X 2.5 X 13.25, CLOSED CELL ETHAFOAM	4
ŀ	.5	1/2				PAD, COLOR WHITE	
ŀ	.53125	17/32	18	BINDING TAPE	AR	.75-INCH NYLON, TYPE III, MIL-PRF-5038, COLOR BLACK	3
ŀ	.5625	9/16	19	CHEST STRAP	1	.75-INCH X 24 \ WEBBING, NYLON, CLASS 2,	3
ŀ	.59375	19/32	2	CHEST CHAPE	1	.75-INCH X 6 MIL-W-17337, COLOR BLACK	3
ŀ	.625	5/8	2	1 HARNESS STRAP	2	1-INCH X 36 WEBBING, NYLON, CLASS 2,	3
ŀ	.65625	21/32	2	2 HARNESS CHAPE	2	1-INCH X 16.5 MIL-W-17337, COLOR BLACK	3
ŀ	.6875	11/16	2	3 SNAP HOOK (SWIVEL)	4	STRAP-EYE SLIDE-BOLT SPRING SNAP, SWIVEL, NICKEL-	3
ŀ	.71875	23/32				PLATED ZINC, .375-INCH SNAP OPENING, 1-INCH STRAP	
ŀ	.75	3/4				WIDTH, McMASTER-CARR PART NO. 3902T24 OR EQUAL	
ŀ	.78125	25/32	2	4 BUCKLE (FEMALE)	1	BUCKLE NYLON, SIZE .75-INCH COLOR BLACK	3
ŀ	.8125	13/16	2	5 BUCKLE (MALE)	1	SEE SPEC 5100-621	3
ŀ	.84375	27/32	2	6 LADDER LOCK	2	NYLON, 1-INCH HEAVY DUTY DOUBLE BAR BUCKLE,	3
ŀ	.875	7/8				COLOR BLACK, SEE SPEC 5100-621	
ŀ	.90625	29/32	2	7 TRI-GLIDE, STERNUM	2	NYLON, 1-INCH COLOR BLACK - SEE SPEC 5100-621	3
ŀ	.9375	15/16		ADJUSTER			
ŀ	.96875	31/32	2	8 BAR SLIDE	1	NYLON, 1-INCH COLOR BLACK - SEE SPEC 5100-621	3
L	1	1	2	9 SNAP HOOK	1	NICKEL-PLATED ZINC LIGHT DUTY SPRING SNAP,	3
						.4375-INCH SNAP OPENING, 1-INCH STRAP WIDTH	
			\vdash	—	_	IN MACTER CARR BARTAIC COCCTOS OR FOLIAL	

MATERIAL LIST

ABC INDUSTRIES.NET OR EQUAL

MATERIAL-DESCRIPTION

POLYVINYL CHLORIDE, 100% POLYESTER REINFORCED

SCRIM, MATTE EMBOSSED, COLOR YELLOW,

PART NAME

REQD

NO

1 MAIN PANEI

2 FILLER NECK

NOTES:

- THE GLOSSY/EMBOSSED FINISH SIDE OF THE FABRIC SHALL FACE THE OUTSIDE.
 THE ENDS OF WEBBING SHALL BE FUSED TO PREVENT FRAYING. THERE SHALL BE NO. ROUGH EDGES.

McMASTER-CARR PART NO. 3900T22 OR EQUAL

- THREAD FOR ALL STITCHING SHALL BE SIZE "E" UNLESS OTHERWISE SPECIFIED.
- 4. THREAD FOR BARTACKS SHALL BE SIZE "E".
- ALL STITCHING SHALL CONFORM TO ASTM D 6193, TYPE 301, 6-8 STITCHES PER INCH.
- UNLESS OTHERWISE SPECIFIED STITCH MARGINS SHALL BE 1/8 INCH.
- LOCATION MARKS MAY BE DRILLED PROVIDING THE DRILL HOLES ARE COVERED IN THE FINISHED ITEM MAXIMUM DRILL DIAMETER SHALL BE 0.076 INCH.
- ALL DIMENSIONS EXCEPT PATTERN SIZES ARE FINISHED DIMENSIONS UNLESS OTHERWISE SPECIFIED.
- THE WORKING PATTERNS SHALL BE IDENTICAL TO THE GOVERNMENT FURNISHED PATTERNS SHOWING SIZE, SHAPE, PLACEMENT OF COMPONENT PARTS AND LOCATION LINES FOR CUTTING, MARKING, AND FOLDING. NEITHER THE GOVERNMENT PATTERNS NOR THE WORKING PATTERNS SHALL BE ALTERED IN ANY WAY.
- 10. IF CONFLICT OCCURS BETWEEN THE DRAWING AND THE SPECIFICATION, THE SPECIFICATION SHALL GOVERN.
- 11. THE WATERBAG SHALL BE MARKED ACCORDING TO SPECIFICATIONS 5100-621.
- 12. UNLESS OTHERWISE SPECIFIED BARTACKS SHALL BE 1 ± 1/16 INCH LONG X 1/8 ± 1/32 INCH WIDE WITH 42 STITCHES
- $3/4 \pm 1/16$ INCH LONG X $1/8 \pm 1/32$ INCH WIDE WITH 34 STITCHES $3/8 \pm 1/16$ INCH LONG X $1/8 \pm 1/32$ INCH WIDE WITH 28 STITCHES
- 13. ENDS OF ALL 301 STITCHING SHALL BE BACKSTITCHED 1-INCH MINIMUM. STITCHING DEFECTS SHALL BE OVERSTITCHED NOT LESS THAN 1-INCH PAST ENDS OF DEFECTS.
- 14. THREAD TENSION ON TYPE 301 STITCHING SHALL BE MAINTAINED SO THAT THE LOCK SHALL BE EMBEDDED IN THE MATERIALS SEWN.
- 15. ALL THREAD ENDS SHALL BE TRIMMED TO A MAXIMUM OF 1/4-INCH.
- 16. PARTS SHALL BE LOCATED WITHIN 1/8-INCH OF LOCATIONS SHOWN ON THE PATTERNS.

STAMPS, LOGOS, AND SEALS

SHEET

2 SEE REVISION DETAIL - SHEET 01 REVISION / ISSUE PROJECT NAME

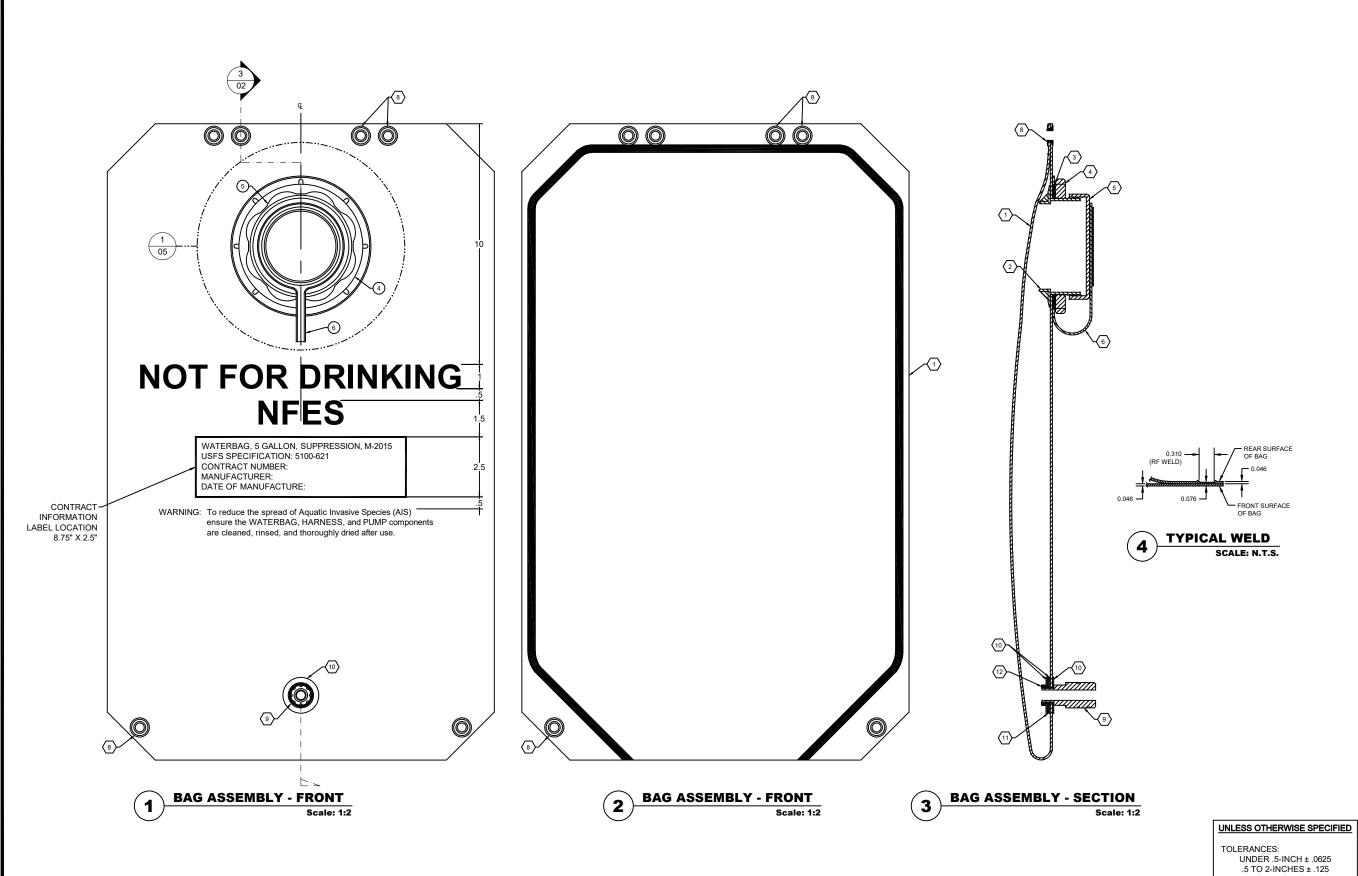
WATERBAG 5 GALLON **SUPPRESSION** M-2015

NATIONAL TECHNOLOGY & DEVELOPMENT PROGRAM

MISSOULA, MONTANA

TITLE **MATERIAL NOTES** & ASSEMBLY

DATE 02/21/2020	ARCHIV	E NO. 1116_01.DWG	
DESIGNER G.APUZZO		DRAWING SHEET NO.	
DRAWN T.BROW	/N	01	
CHECKED C.HARDI	NG		
APPROVED G.APUZZO PROJECT NO. MTDC-1116		SHEET 01 OF 10	





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STAMPS, LOGOS, AND SEALS

SEE REVISON DETAIL - SHEET 01

NO. REVISION / ISSUE DATE

WATERBAG 5 GALLON SUPPRESSION M-2015

NATIONAL TECHNOLOGY AND DEVELOPMENT PROGRAM

MISSOULA, MONTANA

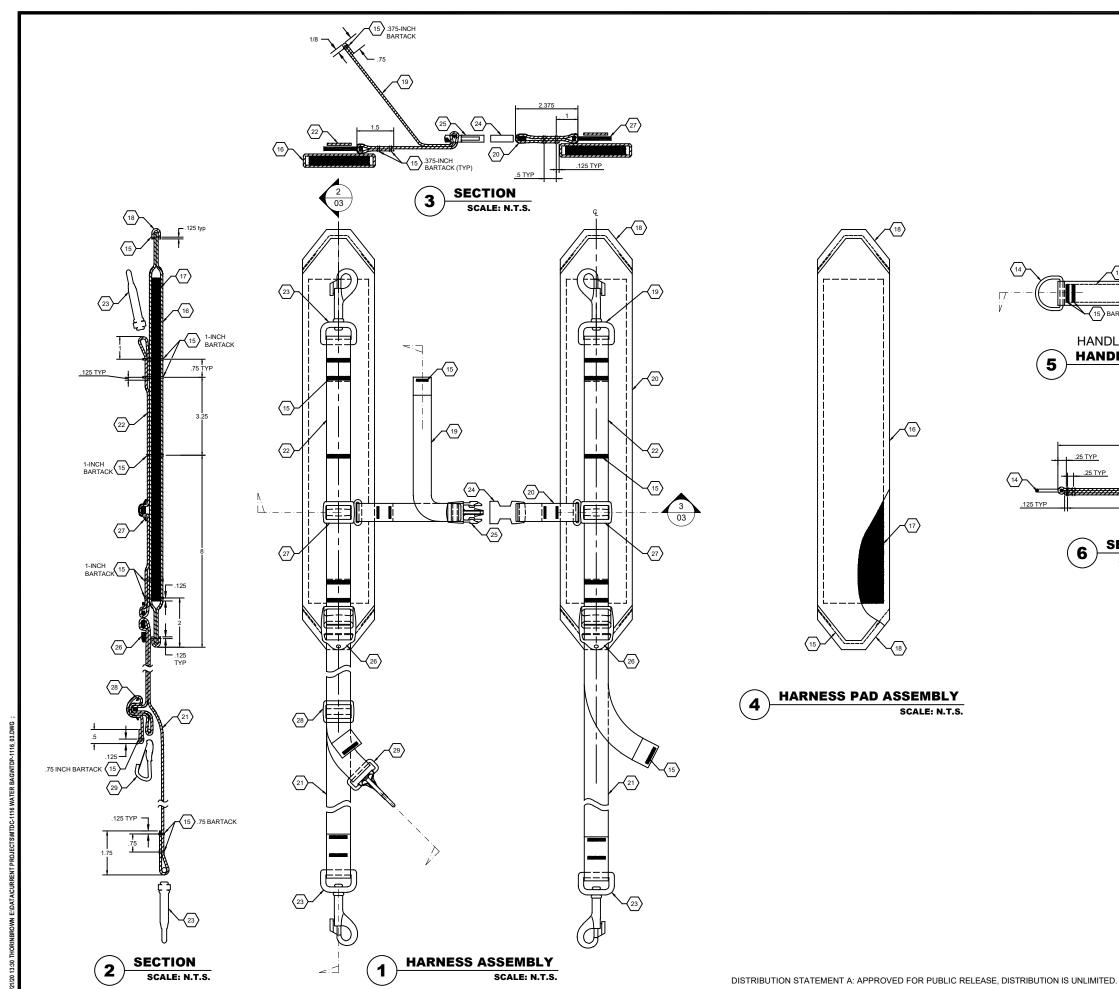
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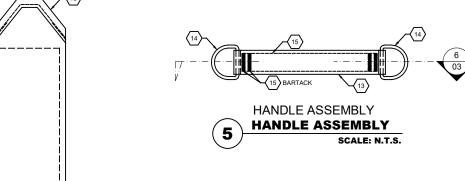
BAG ASSEMBLY

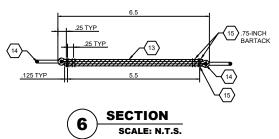
_	DATE 02/21/2020	ARCHIV	E NO. 1116_02.DWG	
	DESIGNER G. APUZ	ZO	DRAWING SHEET NO.	
	T. BROV	VN		
	G. APUZ	zo		
	PROJECT NO. MTDC-11	116	SHEET 02	OF 10

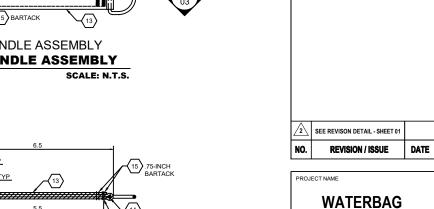
2 TO 6-INCHES ± .25 OVER 6 INCHES ± .5 DIMENSIONS ARE IN INCHES

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M-2015 **NATIONAL TECHNOLOGY** & DEVELOPMENT **PROGRAM**

5 GALLON SUPPRESSION

Forest Service

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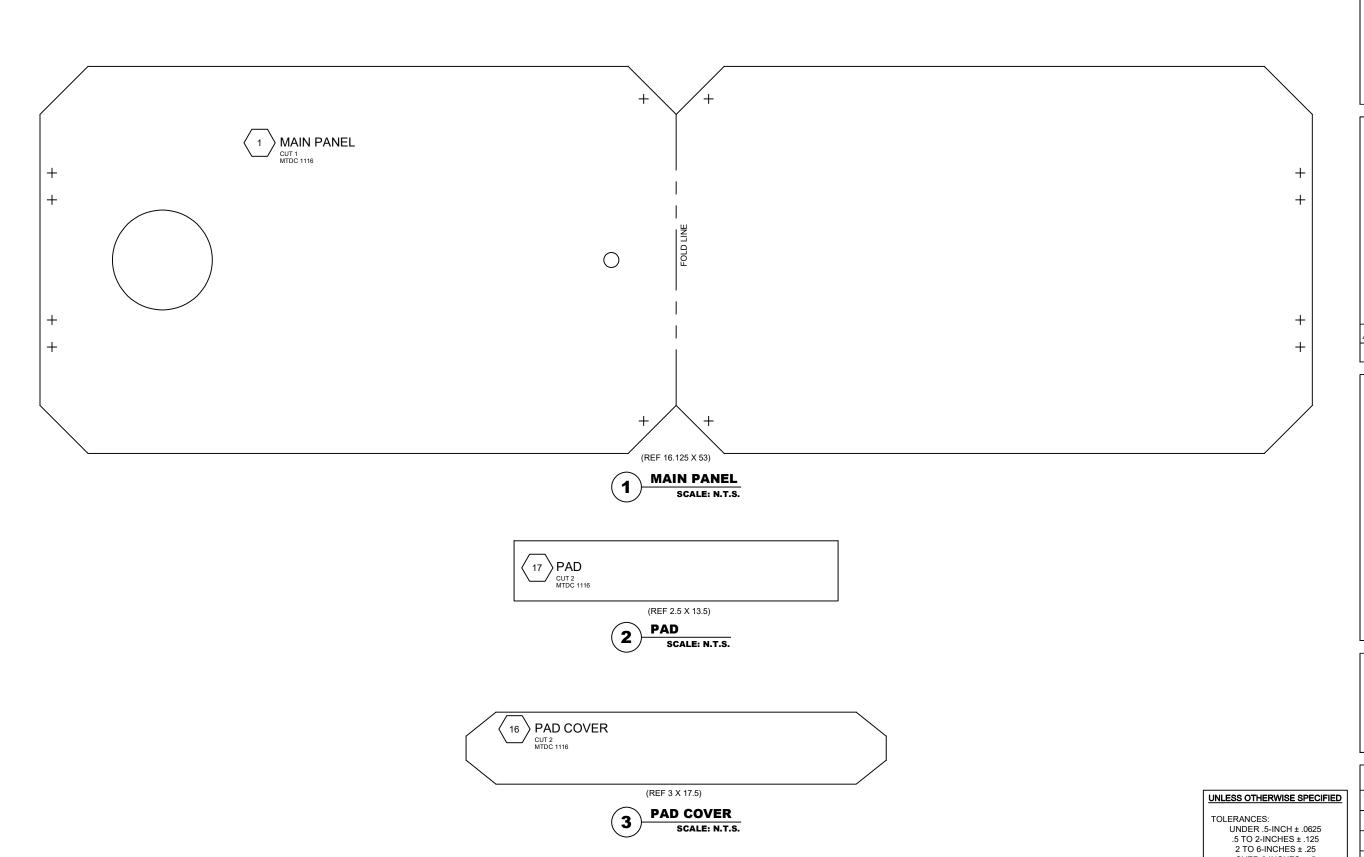
DRAWING TITLE

HARNESS ASSEMBLY & DETAILS

	02/21/2020	MTDC-	E NO. 1116_03.DWG	
ESS OTHERWISE SPECIFIED	DESIGNER G.APUZ	zo	DRAWING SHEET NO.	_
LERANCES:	DRAWN T.BROW	/N	03	
UNDER .5-INCH ± .0625 .5 TO 2-INCHES ± .125 2 TO 6-INCHES ± .25				
OVER 6 INCHES ± .5	APPROVED G.APUZ	zo	00 40	
IMENSIONS ARE IN INCHES	PROJECT NO. MTDC-11	116	SHEET 03 OF 10	

HARNESS PAD ASSEMBLY SCALE: N.T.S.

> UNLE TOL





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STAMPS, LOGOS, AND SEALS

2 SEE REVISON DETAIL - SHEET 01

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PROJECT NAME

WATERBAG 5 GALLON SUPPRESSION M-2015

NATIONAL TECHNOLOGY & DEVELOPMENT PROGRAM

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DRAWING TITLE

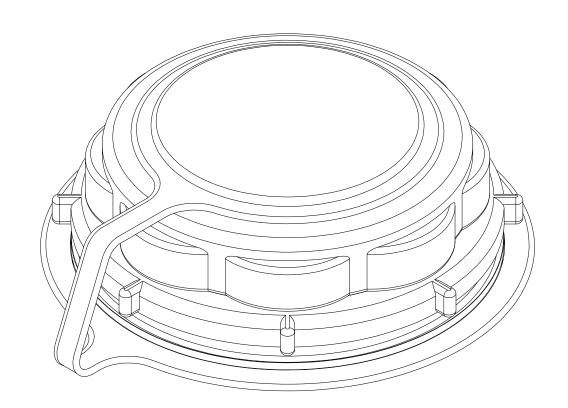
OVER 6 INCHES ± .5

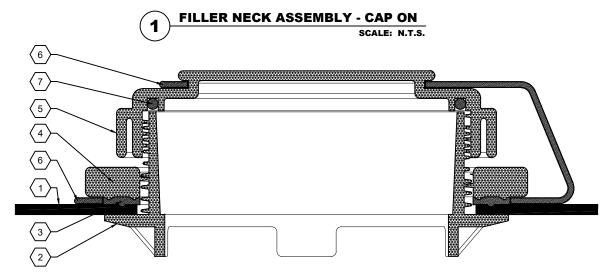
DIMENSIONS ARE IN INCHES

MAIN PANEL, PAD & PAD COVER PATTERNS

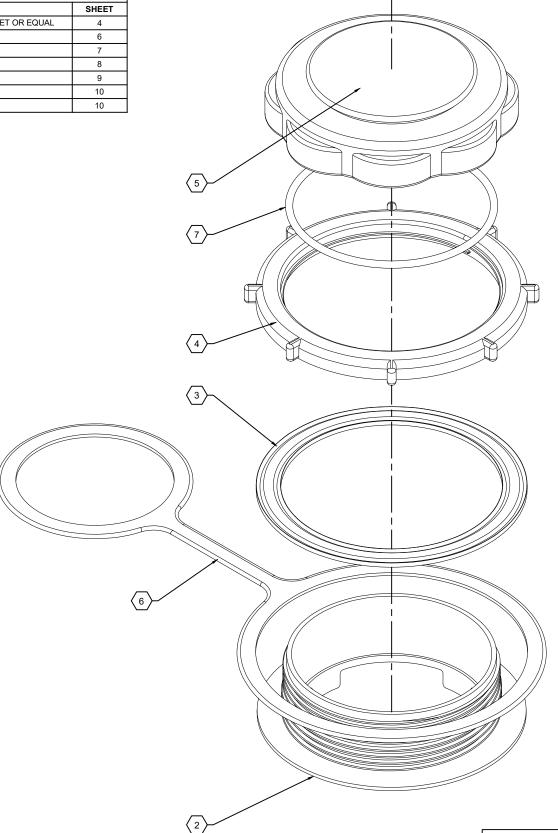
DATE 02/21/2020	ARCHIV MTDC-	E NO. 1116_04.DWG	
DESIGNER G.APUZZO		DRAWING SHEET NO.	
DRAWN T.BROWN		04	
CHECKED C.HARDI	NG		
APPROVED G.APUZZO PROJECT NO. MTDC-1116			
		SHEET 04 OF 10	

			⟨#⟩ MATERIAL LIST	
NO	PART NAME	REQD	MATERIAL DESCRIPTION	SHEET
1	MAIN PANEL	1	POLYVINYL CHLORIDE, 100% POLYESTER REINFORCED SCRIM, MATTE EMBOSSED, COLOR YELLOW, ABC INDUSTRIES.NET OR EQUAL	4
2	FILLER NECK	1	20% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER	6
3	FILLER NECK WASHER	1	10% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER	7
4	FILLER NECK NUT	1	10% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER	8
5	FILLER NECK CAP	1	20% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER	9
6	FILLER NECK TETHER	1	LOW DENSITY POLYETHYLENE WITH A SHORE "D" HARDNESS OF 50+/-5 DUROMETER	10
7	FILLER NECK O-RING	1	BUNA-N RUBBER WITH A SHORE "A" HARDNESS OF 70 +/- 5 DUROMETER	10





FILLER NECK ASSEMBLY - SECTION SCALE: N.T.S.



FILLER NECK ASSEMBLY

SCALE: N.T.S.

FILLER NECK ASSEMBLY TOLERANCES
UNLESS OTHERWISE SPECIFIED

TOLERANCES: UNDER .5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

DIMENSIONS ARE IN INCHES

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PROJECT NAME

WATERBAG 5 GALLON SUPPRESSION M-2015

NATIONAL TECHNOLOGY & DEVELOPMENT PROGRAM

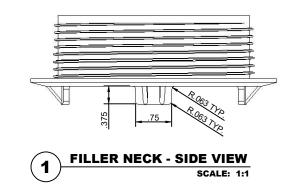
MISSOULA, MONTANA

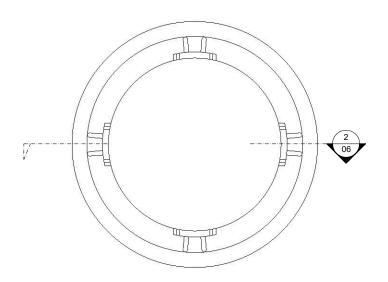
FILLER NECK ASSEMBLY COMPONENTS

02/21/2020	MTDC-	E NO. 1116_05.DW	G
DESIGNER G.APUZZ	ZO	DRAWING S	SHEET NO.
DRAWN T.BROW	/N	0	5
CHECKED C.HARDI	NG		
APPROVED G.APUZZ	ZO	05	40
PROJECT NO. MTDC-11	16	SHEET 05	OF 10

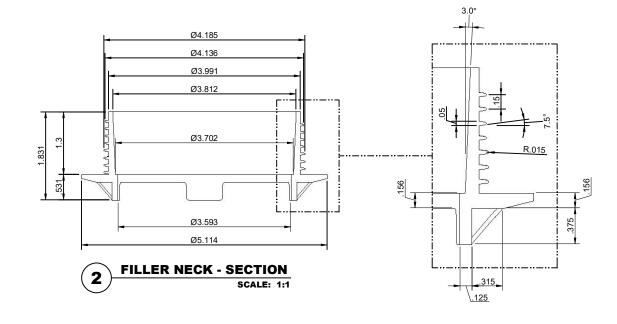
PHYSICAL REQUIREMENTS OF FILLER NECK

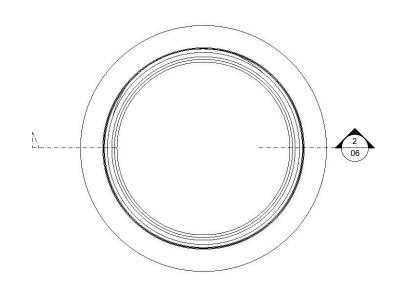
- 1. THE FILLER NECK SHALL BE INJECTION MOLDED FROM 20% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER. THE NECK SHALL HAVE A 3.812-INCH DIAMETER OPENING WITH A 5.114-INCH DIAMETER FLANGE SEAL SURFACE. THE NECK SHALL HAVE MOLDED-IN THREADS WITH A 0.150-INCH THREAD PITCH AND THE BOTTOM (3) THREADS SHOULD HAVE A MAJOR DIAMETER OF 4.185 INCHES AND A MINOR DIAMETER OF 3.991 INCHES. THE TOP THREADS SHOULD HAVE A MAJOR DIAMETER OF 4.136 INCHES AND A MINOR DIAMETER OF 3.991 INCHES. THE THREAD THICKNESS ON THE NECK SHALL BE 0.050 INCHES WITH A 7.50° ANGLE AND 0.015-INCH RADII. THE NECK SHALL BE FOUNTAINHEAD GROUP, INC. (FGI) PART NUMBER 181862-B OR EQUAL. PER SPEC 5100-621B.
- 2. MAX DRAFT OF 5° ALLOWED. MAX DRAFT ANGLE TO BE DETERMINED BY FORM, FIT, AND FUNCTION OF THE PARTS.





3 FILLER NECK - BOTTOM VIEW SCALE: 1:1





FILLER NECK - TOP VIEW

SCALE: 1:1



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SEE REVISON DETAIL - SHEET 01

NO. REVISION / ISSUE DATE

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WATERBAG 5 GALLON SUPPRESSION M-2015

NATIONAL TECHNOLOGY & DEVELOPMENT PROGRAM

MISSOULA, MONTANA

DRAWING TITLE

FILLER NECK DETAILS

FILLER NECK ASSEMBLY TOLERANCES
UNLESS OTHERWISE SPECIFIED

TOLERANCES: UNDER.5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

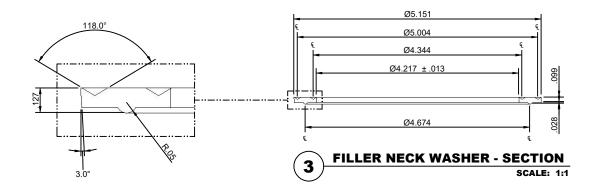
DIMENSIONS ARE IN INCHES

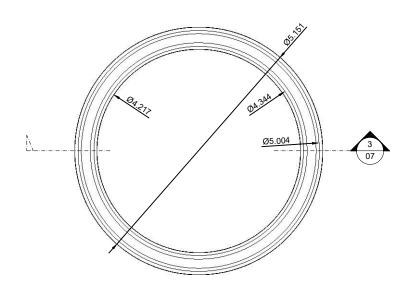
DATE 02/21/2020	ARCHIV	E NO. 1116_06.DW G	1
DESIGNER G.APUZZO		DRAWING SH	HEET NO.
DRAWN T.BROW	/N	0	6
CHECKED C.HARDI	NG		
APPROVED G.APUZZO			40
PROJECT NO. MTDC-1116		SHEET 06 OF 10	

ZIZIIZU 13:32 INOKINBKOVIN E:IDALAKOKREN I PROJECI SIMI DC-1110 WALEK BAGINI DF-1110_U0.DW

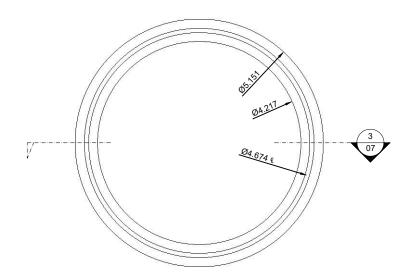
PHYSICAL REQUIREMENTS OF FILLER NECK WASHER

- 1. THE WASHER SHALL BE INJECTION MOLDED FROM 10% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER. THE WASHER SHALL HAVE A 4.217 +/-0.013 INCH INSIDE DIAMETER THAT FITS OVER THE NECK THREADS AND IS 0.099 INCHES THICK. THE TOP SURFACE SHALL HAVE (2) 118° RADIAL "V" GROOVES THAT MATCH THE RADIAL "V"S IN THE NECK ASSEMBLY NUT. THE BOTTOM WASHER SURFACE SHALL HAVE A MOLDED ENERGY DIRECTOR WITH A 0.05-INCH RADIUS ON A 4.674-INCH DIAMETER. THE WASHER SEAL SURFACES SHALL BE SMOOTH AND FLAT. THE WASHER SHALL BE FGI PART NUMBER 181864-C OR EQUAL. PER SPEC 5100-621B.
- 2. MAX DRAFT OF 5° ALLOWED. MAX DRAFT ANGLE TO BE DETERMINED BY FORM, FIT, AND FUNCTION OF THE PARTS.









2 FILLER NECK WASHER - BOTTOM VIEW

SCALE: 1:1



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Forest Service

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MISSOULA, MONTANA

DRAWING TITLE

FILLER NECK WASHER DETAILS

FILLER NECK ASSEMBLY TOLERANCES
UNLESS OTHERWISE SPECIFIED

TOLERANCES:

UNDER .5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

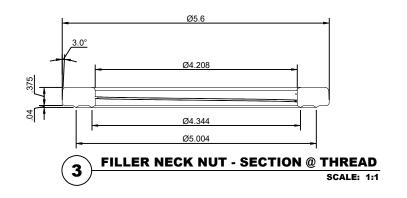
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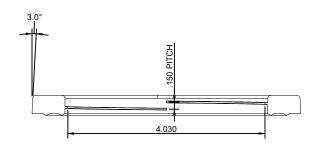
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DESIGNER G.APUZ	zo	DRAWING SHEET NO.
DRAWN T.BROV	/N	07
CHECKED C.HARDI	NG	
APPROVED G.APUZ	zo	07 40
PROJECT NO. MTDC-1	116	SHEET 07 OF 10

IZO 13333 I HORINBROWN E3DAI AICURRENI PROJECI SIMI DC-1116 WA IER BAGINI DP-1116_07.DWG

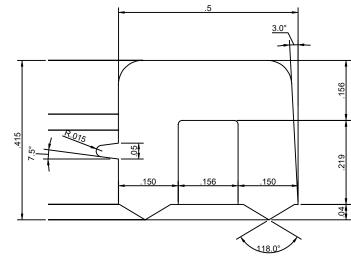
PHYSICAL REQUIREMENTS OF FILLER NECK NUT

- 1. THE NUT SHALL BE INJECTION MOLDED FROM 10% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER. THE NUT SHALL HAVE ONE MOLDED IN THE THREAD (1 COMPLETE TURN) WITH A 0.150-INCH THREAD PITCH, A 4.030-INCH MINOR DIAMETER, AND 4.208-INCH MAJOR DIAMETER. THE THREAD THICKNESS ON THE NUT SHALL BE 0.050 INCHES WITH A 7.50° ANGLE AND 0.015 RADII. THE NUT SHALL HAVE (2) 242° "V" FEATURES ON 4.344 INCHES AND 5.004-INCH DIAMETERS TO MATCH THE "V" GROOVES IN THE WASHER. THE NUT SHALL ALSO HAVE (8) EVENLY SPACED RADIAL RIBS .169 INCH WIDE AND .228 INCHES LONG PROTRUDING FROM THE OUTSIDE DIAMETÈR OF THE NUT. THE NUT SHALL BE FGI PART NUMBER 181863-B OR EQUAL. PER SPEC 5100-621B.
- 2. MAX DRAFT OF 5° ALLOWED. MAX DRAFT ANGLE TO BE DETERMINED BY FORM, FIT, AND FUNCTION OF THE PARTS.

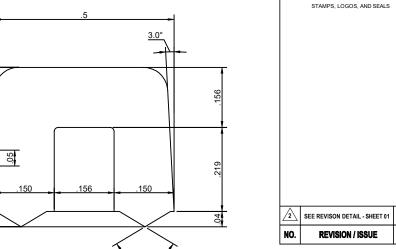




FILLER NECK NUT - SECTION @ THREAD START/STOP



FILLER NECK NUT - SECTION



WATERBAG 5 GALLON SUPPRESSION M-2015

PROJECT NAME

Forest Service

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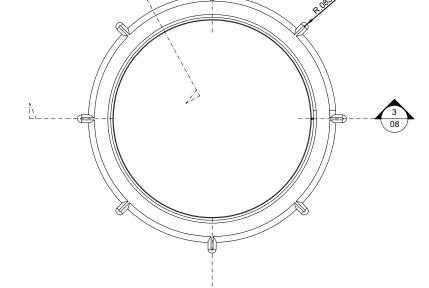
MISSOULA, MONTANA

DRAWING TITLE

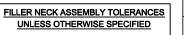
FILLER NECK NUT DETAILS

.169	228		
		5.6	

FILLER NECK NUT - BOTTOM VIEW SCALE: 1:1







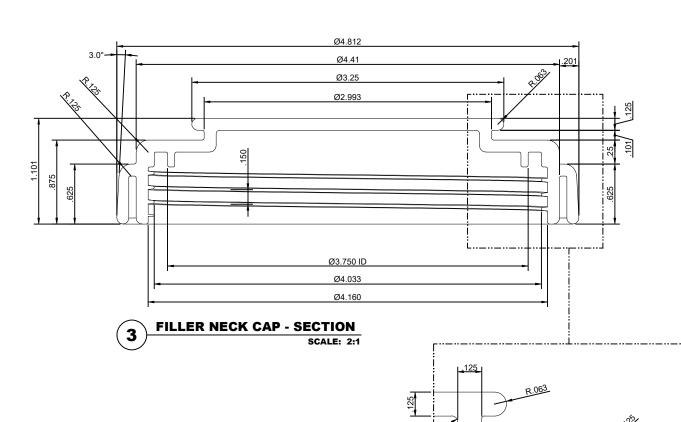
TOLERANCES: UNDER .5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

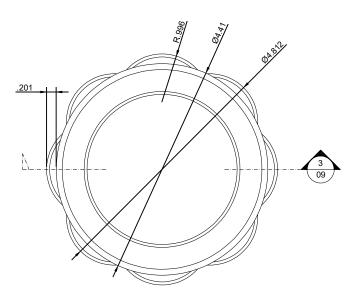
DIMENSIONS ARE IN INCHES

DATE 02/21/2020	ARCHIV MTDC-	E NO. 1116_08.DWG
DESIGNER G.APUZ	zo	DRAWING SHEET NO.
DRAWN T.BROWN		08
CHECKED C.HARDI	NG	
APPROVED G.APUZ	zo	
PROJECT NO.	116	SHEET 08 OF 10

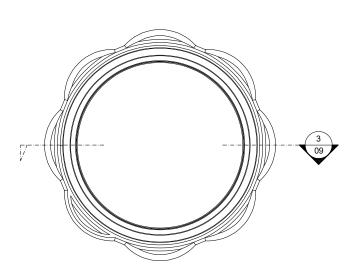
PHYSICAL REQUIREMENTS OF FILLER NECK CAP

- 1. THE CAP SHALL BE INJECTION MOLDED FROM 20% GLASS FILLED BLACK POLYPROPYLENE COPOLYMER. THE CAP SHALL HAVE MOLDED-IN THREADS WITH A 0.150-INCH THREAD PITCH, 4.033-INCH THREAD MINOR DIAMETER, AND 4.160-INCH THREAD MAJOR DIAMETER. THE THREAD SHALL BE 0.060 +/-0.002 INCH THICK WITH A 0.015-INCH RADIUS AND 7.50° ANGLE. THE INSIDE OF THE CAP SHALL HAVE AN O-RING GROOVE MOLDED IN WITH A POLISHED SURFACE TO FIT A 3.708+/-0.015 INCH INSIDE DIAMETER X 0.139-INCH DIAMETER CROSS-SECTION O-RING. WHEN THE CAP IS INSTALLED ON THE NECK, THE CAP O-RING MATES WITH THE TOP OF THE NECK. THE TOP OF THE CAP HAS A 0.101-INCH WIDE X 2.993 INCH INSIDE DIAMETER GROOVE THAT ACCOMMODATES A CAP TETHER. THE CAP ALSO SHALL HAVE PROVISION FOR EITHER A MOLDED-IN LOGO OR HAVE A BLANK TOP SURFACE. THE OUTSIDE OF THE CAP SHALL HAVE (8) 0.201-INCH RADIUS SCALLOPS AROUND THE OUTSIDE DIAMETER OF 4.812 INCHES. THE CAP SHALL BE FGI PART NUMBER 181865-B WITH CAP O-RING OR EQUAL. PER SPEC 5100-621B.
- 2. MAX DRAFT ANGLE OF 5° ALLOWED. MAX DRAFT ANGLE TO BE DETERMINED BY FORM, FIT, AND FUNCTION OF THE PARTS.
- 3. UNSPECIFIED DETAILS OF SCALLOPS OPEN TO SUPPLIER PREFERENCE.





FILLER NECK CAP - TOP VIEW



FILLER NECK CAP - BOTTOM VIEW

FILLER NECK ASSEMBLY TOLERANCES UNLESS OTHERWISE SPECIFIED

TOLERANCES: UNDER .5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

DIMENSIONS ARE IN INCHES



Forest Service

WO WASHINGTON OFFICE

STAMPS, LOGOS, AND SEALS

2 SEE REVISON DETAIL - SHEET 0 REVISION / ISSUE DATE

PROJECT NAME

WATERBAG 5 GALLON **SUPPRESSION** M-2015

NATIONAL TECHNOLOGY & DEVELOPMENT PROGRAM

MISSOULA, MONTANA

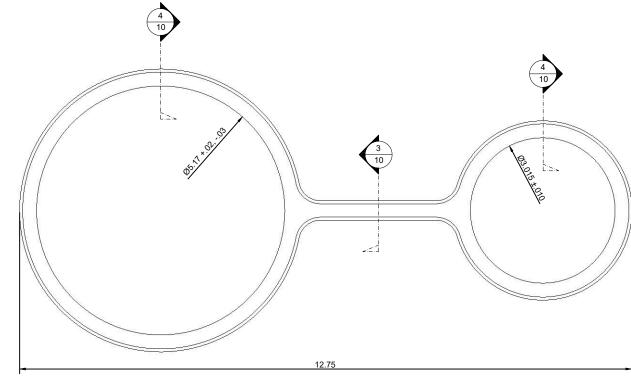
DRAWING TITLE

FILLER NECK CAP DETAILS

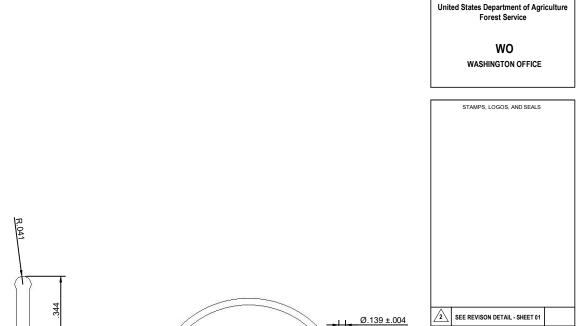
DATE OZZ1/2020 ARCHIVE NO. MTDC-1118_09.DWG DESIGNER G.APUZZO DRAWN T.BROWN CHECKED C.HARDING
G.APUZZO DRAWN T.BROWN CHECKED
T.BROWN U9
APPROVED G.APUZZO
PROJECT NO. MTDC-1116 SHEET 09 OF 10

PHYSICAL REQUIREMENTS OF FILLER NECK TETHER AND FILLER NECK O-RING

- 1. THE TETHER SHALL BE INJECTION MOLDED FROM LOW-DENSITY POLYETHYLENE WITH A SHORE "D" HARDNESS OF 50+/-5 DUROMETER. THE LARGE RING INSIDE DIAMETER SHALL BE 5.17 +0.02/-0.03 INCHES AND SHALL STRETCH OVER THE RIBS ON THE FILLER NECK NUT. THE SMALL RING INSIDE DIAMETER SHALL BE 3.015 +/-0.005 INCHES AND SHALL STRETCH OVER AND SNAP INTO THE FILLER NECK CAP GROOVE. THE CAP SHOULD TURN FREELY WITHIN THE TETHER AND THE TETHER SHOULD ALSO TURN FREELY AROUND THE NUT. THE TETHER SHALL BE FGI PART NUMBER 182213-F OR EQUAL. PER SPEC 5100-621.
- 2. THE CAP O-RING SHALL BE 3.708 +/-0.015 INCHES INSIDE DIAMETER X 0.139 +/-0.004 INCH CROSS-SECTION AND BE MADE FROM BUNA-N DARK GRAY RUBBER WITH A SHORE "A" HARDNESS OF 70 +/- 5 DUROMETER. PER SPEC 5100-621B







SECTION SCALE: 4:1

WATERBAG 5 GALLON SUPPRESSION M-2015

REVISION / ISSUE

PROJECT NAME

DATE

NATIONAL TECHNOLOGY & DEVELOPMENT PROGRAM

MISSOULA, MONTANA

DRAWING TITLE

FILLER NECK TETHER & FILLER NECK O-RING **DETAILS**

FILLER NECK ASSEMBLY TOLERANCES
UNLESS OTHERWISE SPECIFIED

SCALE: 1:1

FILLER NECK O-RING - DETAIL

TOLERANCES: UNDER .5-INCH ± .010 .5 TO 2-INCHES ± .020 2 TO 6-INCHES ± .031 OVER 6 INCHES ± .125

DIMENSIONS ARE IN INCHES

02/21/2020	ARCHIVE NO. MTDC-1116_10.DWG	
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DRAWN T.BROWN		10
CHECKED C.HARDING		
APPROVED G.APUZ	ZO	
PROJECT NO.	116	SHEET 10 OF 10

SECTION SCALE: 4:1

