



Standard Product Catalog

2019

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ADVANTAGES OF TPU...

Thermoplastic Polyurethane (TPU) is used primarily to protect sharp and/or abrasive parts from damage and marking due to contact with HDPE surfaces by covering points of contact and areas of potential erosion.

Key advantages of TPU:

- **High Abrasion Resistance**
- **Excellent Low-temperature and Impact Strength**
- **Good Flexibility Over A Wide Temperature Range**
- **Recyclability**
- **Shock Absorption**
- **Non-Brittle**
- **Resilience To Oils, Greases, and Numerous Solvents (High Chemical Resistance)**

DUROMETERS AVAILABLE*

We offer:

- **Shore-95A**
 - **Softest material**

 - **Shore-90A**
 - **Softer material**

 - **Shore-60D**
 - **Harder material**
-

Notes To Understand Shore Durometer Hardness Specifications

- A “Shore Durometer” is a unit of measure assigned to the hardness of a material, specifically for polymers, elastomers, and rubbers.

- Type “A” materials are typically more flexible.

- Type “D” materials are typically more rigid and inelastic.

- The higher the number, within a specific type (A, D, etc...), the softer the material will be.



SOROC
PRODUCTS

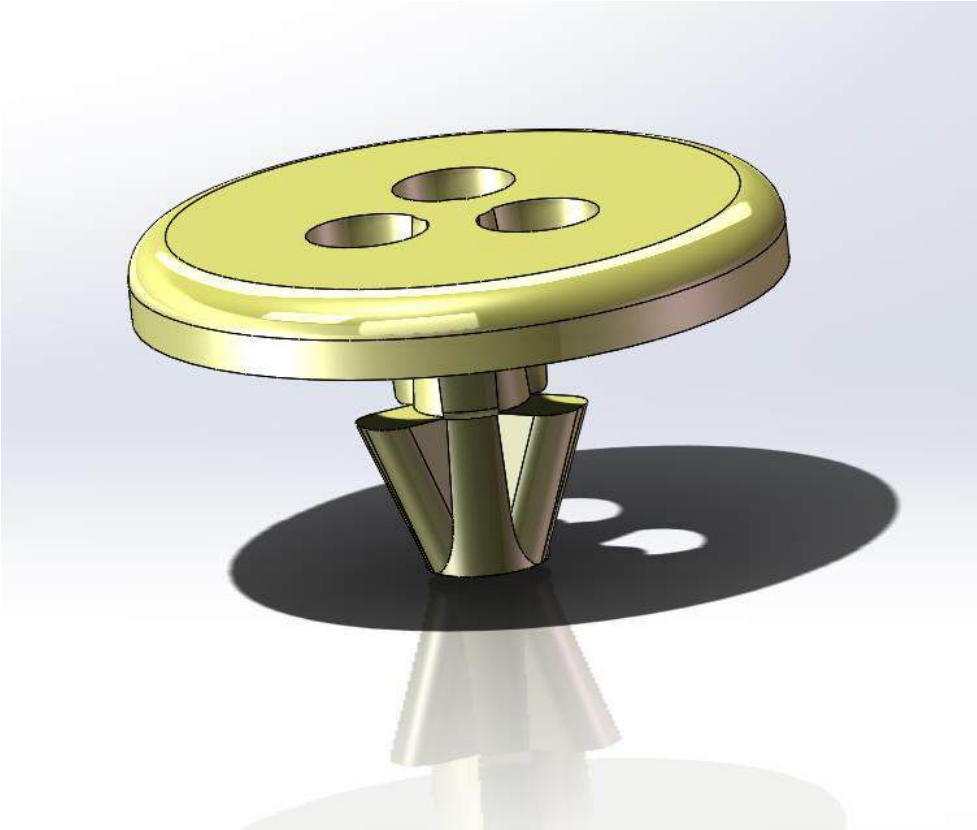
Thermoforming a future through Innovation

ROUND TPU'S (ALL)

Product	Throat Length
SPI – 1.0 – 175	0.175"
SPI – 1.0 – 230	0.230"
SPI – 1.0 – 290	0.290"
SPI – 1.125 – 175	0.175"
SPI – 1.125 – 230	0.230"
SPI – 1.125 – 290	0.290"
SPI – 1.5 – 175	0.175"
SPI – 1.5 – 230	0.230"
SPI – 1.5 – 290	0.290"
SPI – 2.125 – 230	0.230"

ROUND 1.00" DIAMETER

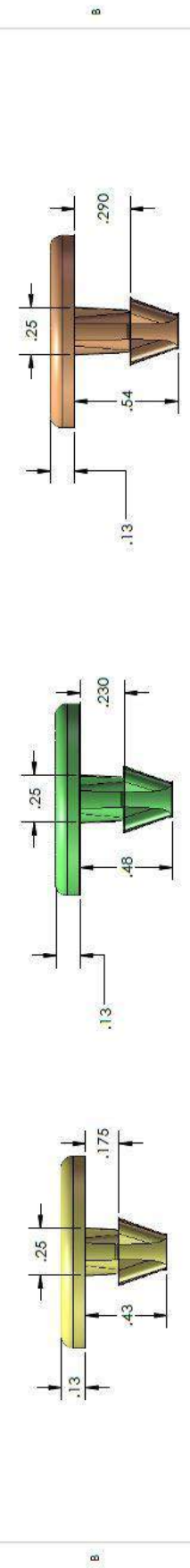
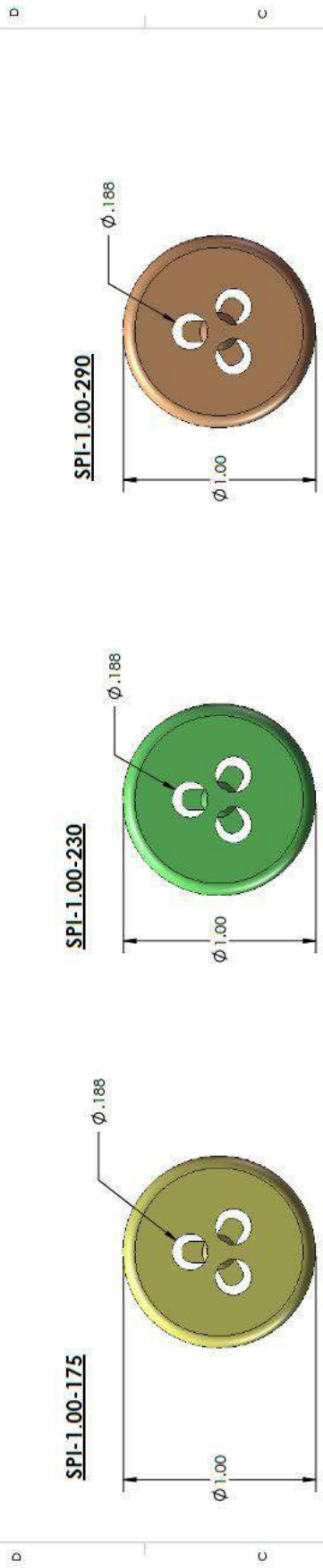
See PDF on following page



NAME	Round 1.00" Dia			
	Throat Length	Length	Width	Height
SPI – 1.0 – 175	0.175"	1"	1"	0.13"
SPI – 1.0 – 230	0.230"	1"	1"	0.13"
SPI – 1.0 – 290	0.290"	1"	1"	0.13"

8 7 6 5 4 3 2 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CHANGED DIAMETER OF HOLES, CHANGED DIAMETER OF THREAD.	5/7/2013	



1" ROUND URETHANE PAD

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

SOROC PRODUCTS

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF SOROC PRODUCTS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SOROC PRODUCTS IS PROHIBITED.

MATERIAL TOLERANCES:
 HOLES: ±0.005 INCH
 OVERALL LENGTH/WIDTH: ±0.005 INCH PER FOOT
 THIN SHEET: ±0.005 INCH PER FOOT
 WARP/BOW: ±0.025 INCH
 MOUNTING HOLES: ±0.025 INCH CENTER

ABS MATERIAL: ALL LENGTH/WIDTH
 ABS TOLERANCE: ±0.001 INCH PER FOOT

THIS DRAWING IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN OR IMPROVE FUNCTION DURING TOOL BUILD.

NAME: M. DECKER
 DATE: 5/6/2013
 DRAWN: M. DECKER
 CHECKED: []
 PLOTTED: []

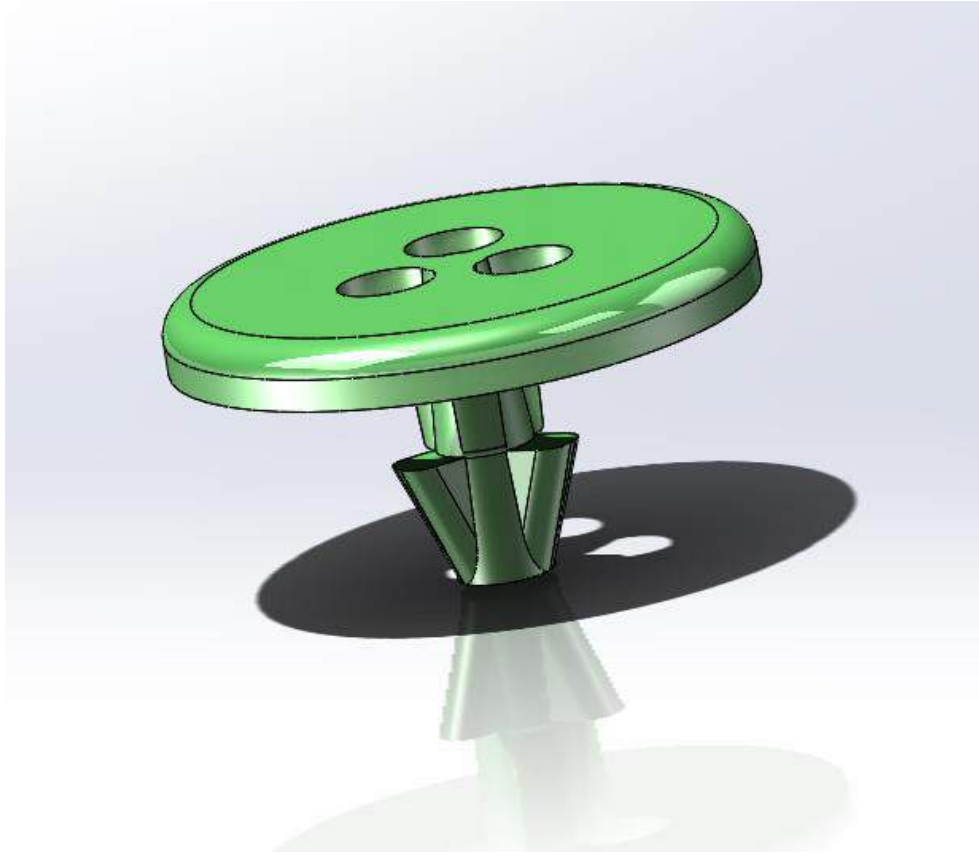
DESCRIPTION:
 SIZE: 1.00-ROUND-URETHANE
 REV: A

CUSTOMER: []
 SCALE: 2:1
 WEIGHT: []
 SHEET 1 OF 1

UNCONTROLLED WHEN PRINTED OR IN PDF FORM

ROUND 1.125" DIAMETER

See PDF on following page

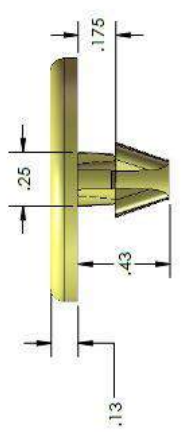
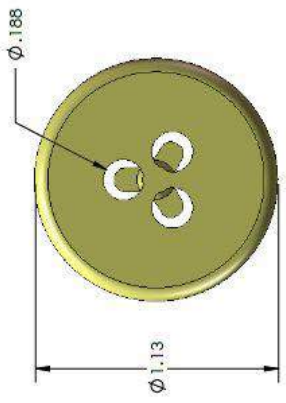


NAME	Round 1.125" Dia			
	Throat Length	Length	Width	Height
SPI – 1.125 – 175	0.175"	1.125"	1.125"	0.13"
SPI – 1.125 – 230	0.230"	1.125"	1.125"	0.13"
SPI – 1.125 – 290	0.290"	1.125"	1.125"	0.13"

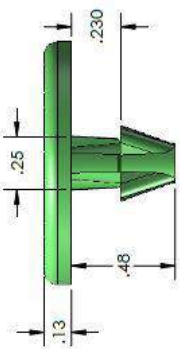
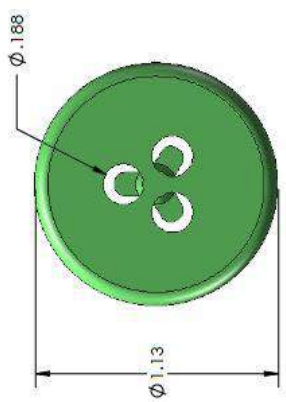
1 2 3 4 5 6 7 8

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.	CHANGED DIAMETER OF PINHOLES; CHANGED DIAMETER OF THROAT	5/7/2013	

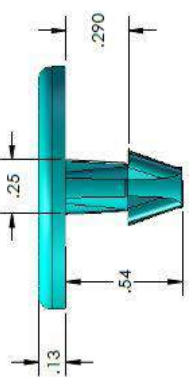
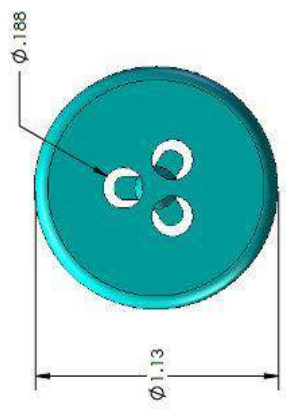
SPI-1.125-175



SPI-1.125-230



SPI-1.125-290



1-1/8" ROUND URETHANE PAD

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

MATERIAL TOLERANCES:
HOPE/NAWPE MATERIAL:
OVERBALL LENGTH WIDTH:
SINGLE SHEET .4048 INCH PER FOOT
(VIN SHEET .2024 INCH PER FOOT)
MOUNTING ASLES .0025" INCH CENTERS

ABS MATERIAL:
OVERBALL LENGTH WIDTH:
ABS TOLERANCE: .0021 INCH PER FOOT

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SOROC PRODUCTS

SP

CUSTOMER: _____

DATE: 5/9/2013

NAME: M. DECKER

DRAWN: M. DECKER

CHECKED: _____

PROJECT: _____

NO. _____

SIZE: B

DWG. NO.: 1.125-ROUND-URETHANE

DESCRIPTION: _____

REV: A

WEIGHT: 2.1

SHEET 1 OF 1

1 2 3 4 5 6 7 8

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ROUND 1.50" DIAMETER

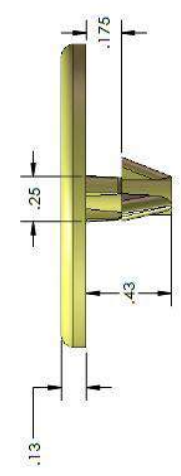
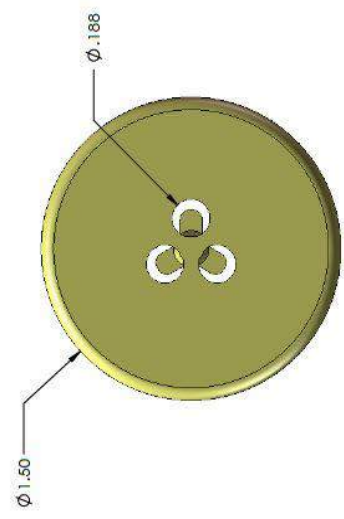
See PDF on following page



NAME	Round 1.50" Dia			
	Throat Length	Length	Width	Height
SPI – 1.50 – 175	0.175"	1.50"	1.50"	0.13"
SPI – 1.50 – 230	0.230"	1.50"	1.50"	0.13"
SPI – 1.50 – 290	0.290"	1.50"	1.50"	0.13"

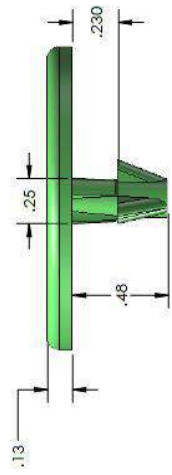
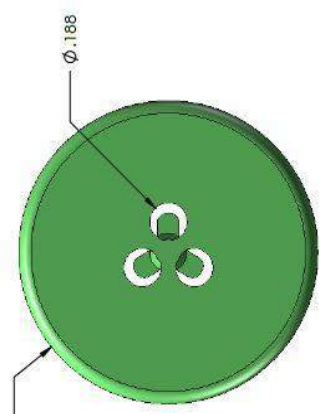
REV.	DESCRIPTION	DATE	APPROVED

SPI-1.50-175



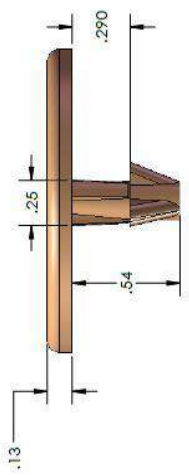
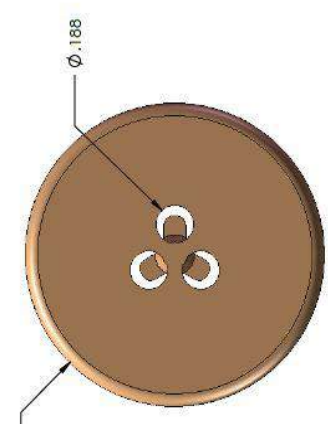
VOLUME = .22 CUBIC INCHES

SPI-1.50-230



VOLUME = .22 CUBIC INCHES

SPI-1.50-290



VOLUME = .23 CUBIC INCHES

O:\Design\PLASTEC\PLASTEC_URETHANES\1.50 ROUND

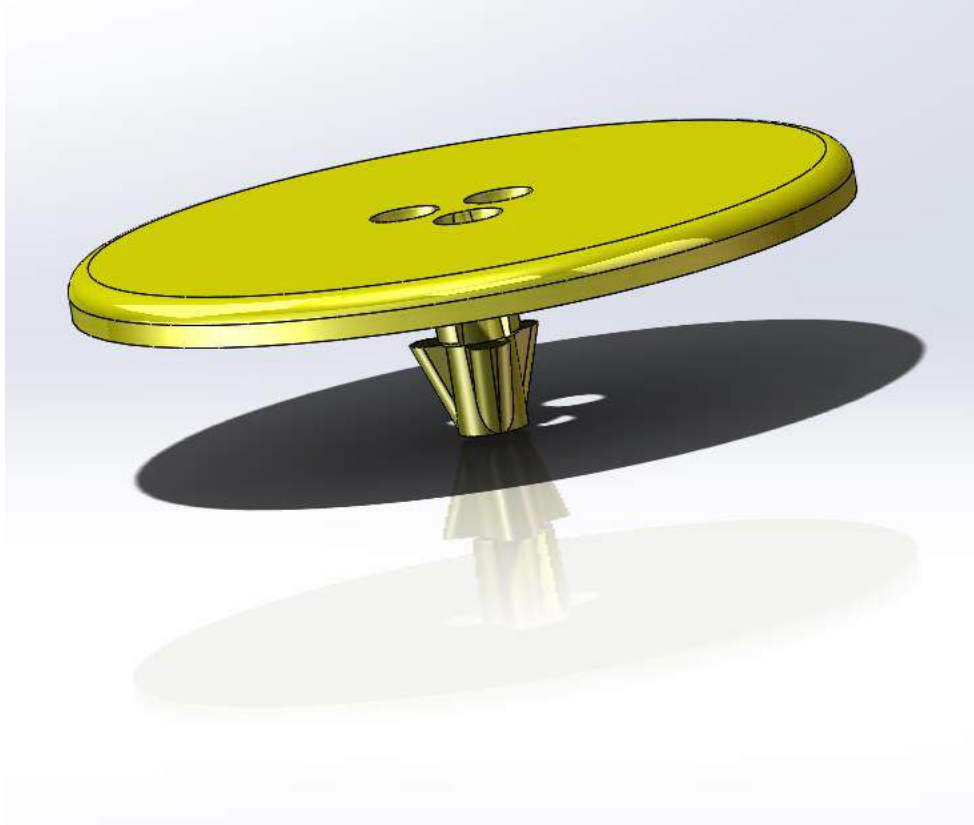
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

MATERIAL TOLERANCES:		PROPERTY AND CONFIDENTIAL	
DIMENSIONS: .005 INCH PER FOOT HOLE DIMENSIONS: .005 INCH PER FOOT HOLE LOCATIONS: .005 INCH PER FOOT SURFACE FINISH: .005 INCH PER FOOT TYPICAL: .005 INCH PER FOOT UNLESS OTHERWISE SPECIFIED		DRAWING IS THE PROPERTY OF SOROC PRODUCTS CORPORATION. ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF SOROC PRODUCTS CORPORATION.	
ABS MATERIAL:		CUSTOMER:	
OVERALL LENGTH: .130 INCH PER FOOT OVERALL WIDTH: .130 INCH PER FOOT OVERALL THICKNESS: .130 INCH PER FOOT THIS SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT LIABILITY ON THE PART OF SOROC PRODUCTS CORPORATION.	NAME: _____ DATE: 8/2/2016	DESCRIPTION: B 1.50 ROUND URETHANE	REV: _____ SHEET 1 OF 1
SCALE: 2:1		WEIGHT: _____	

UNCONTROLLED WHEN PRINTED ON RPS FORM

ROUND 2.125" DIAMETER

See PDF on following page

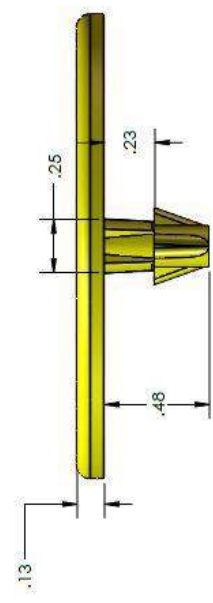
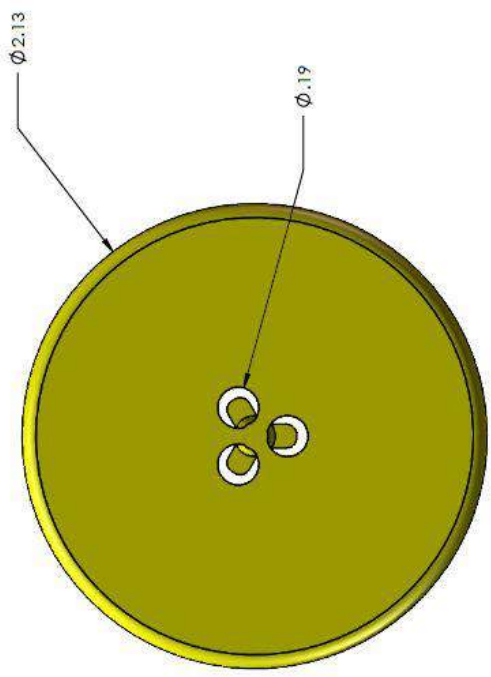


NAME	Round 2.125" Dia			
	Throat Length	Length	Width	Height
SPI – 2.125 – 230	0.230"	2.125"	2.125"	0.13"

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		

1 2 3 4 5 6 7 8

SPI-2.125-230



D C B A

SP SOROC PRODUCTS

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MATERIAL TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 OVERALL LENGTH (WITH TAP) .001 INCH PER FOOT
 HOLE SIZE .001 INCH PER FOOT
 HOLE POSITION .005 INCH PER FOOT
 MOUNTING HOLES .0025 INCH CRITERIA

ARI MATERIAL: 303 STAINLESS STEEL
 AIR TOLERANCE: .001 INCH PER FOOT

THE DESIGN IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN ARE PERMITTED TO IMPROVE THE QUALITY OR IMPROVE FUNCTION USING TOOL BUILD.

NAME	DATE	DESCRIPTION
	9/24/2015	2.125-ROUND-230-LENGTH-THROAT

CUSTOMER: _____

SCALE: 2:1 WEIGHT: _____ SHEET 1 OF 1

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

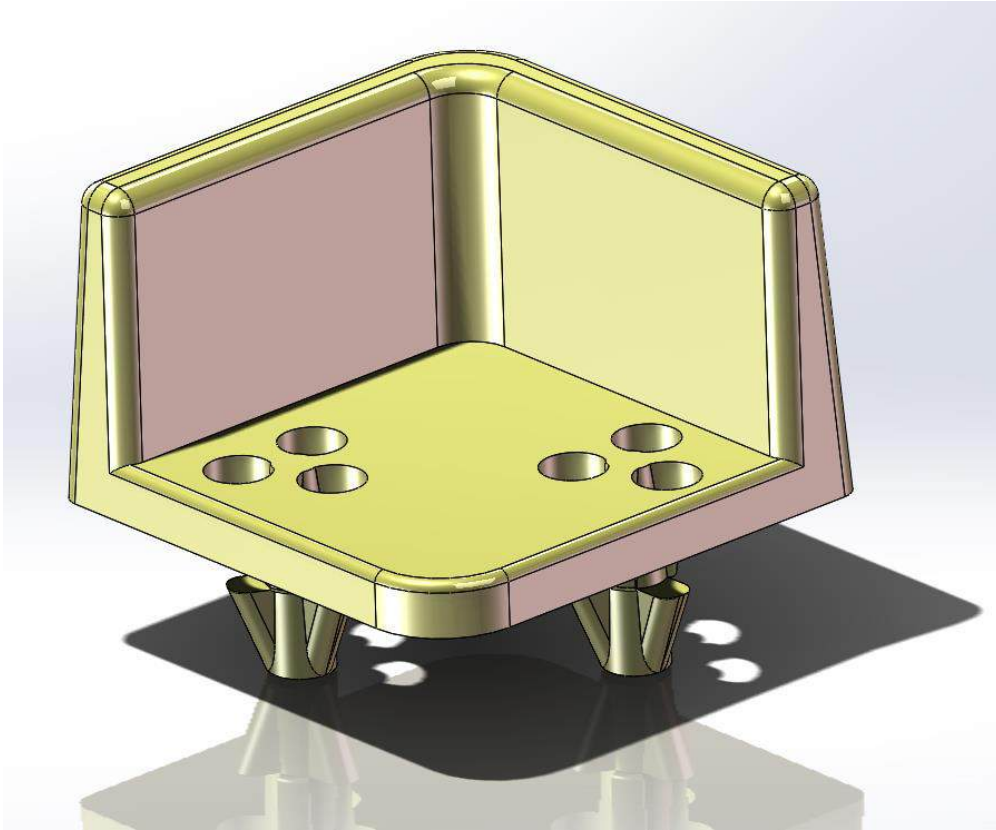
1 2 3 4 5 6 7 8

CORNER TPU'S (ALL)

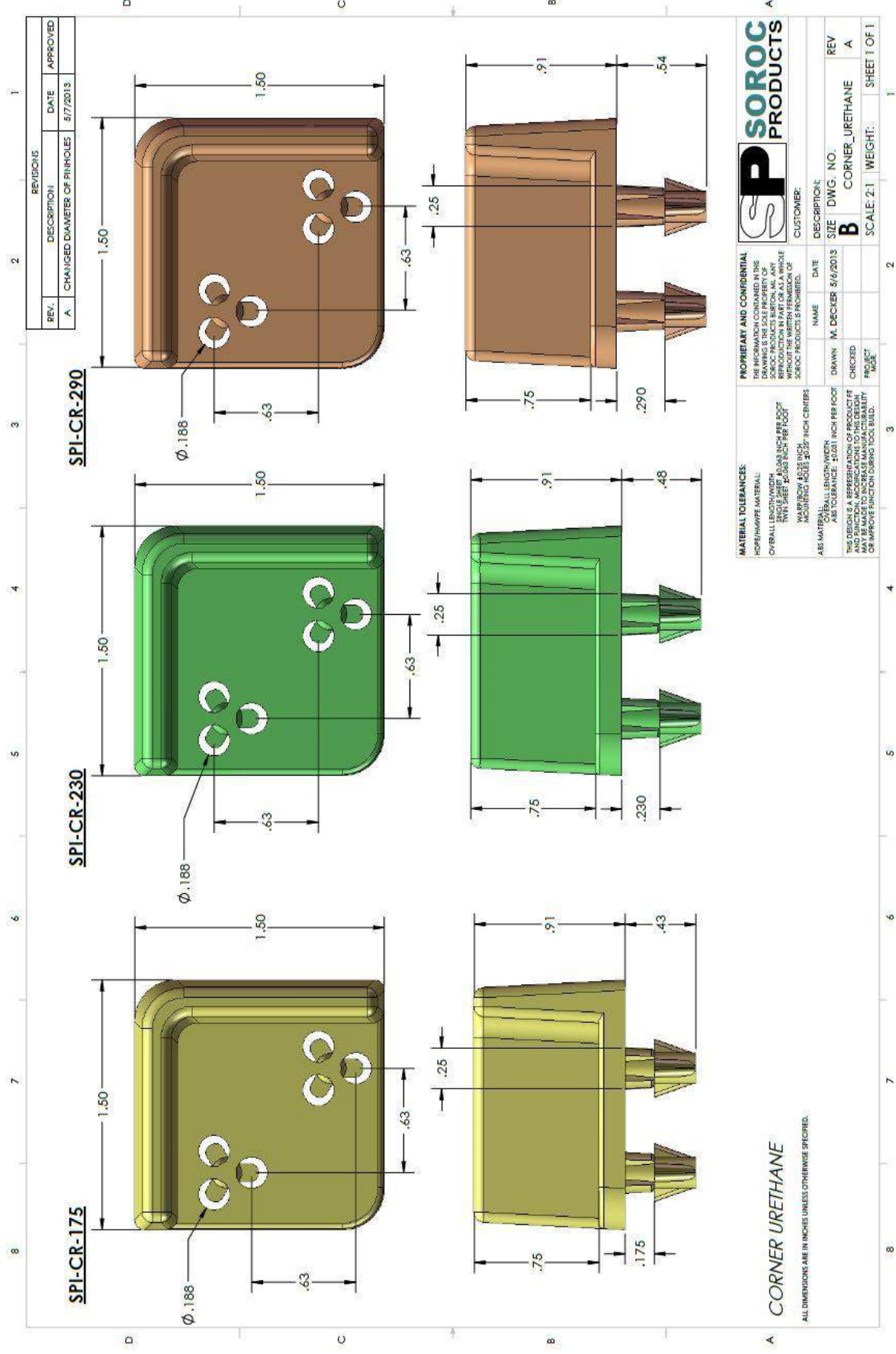
Product	Throat Length
SPI – CR – 175	0.175"
SPI – CR – 230	0.230"
SPI – CR – 290	0.290"

CORNER PAD (1.5" x 1.5")

See PDF on following page



NAME	Corner Pad			
	Throat Length	Length	Width	Height
SPI – CR – 175	0.175"	1.50"	1.50"	.91"
SPI – CR – 230	0.230"	1.50"	1.50"	.91"
SPI – CR – 290	0.290"	1.50"	1.50"	.91"



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.	CHANGED DIAMETER OF RINHOLES	5/7/2013	

SOROC PRODUCTS

SP

CUSTOMER: **B**

DESCRIPTION: **CORNER_URETHANE**

DATE: 5/6/2013

NAME: M. DECKER

DRAWN: M. DECKER

CHECKED: []

PROJECT: []

SCALE: 2:1

WEIGHT: []

SIZE: []

DWG. NO. []

REV: **A**

SHEET 1 OF 1

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MATERIAL TOLERANCES:
 HOPE/WAVE MATERIAL:
 OVERALL LENGTH (WIDTH): ±.005 INCH PER FOOT
 THICKNESS: ±.005 INCH PER FOOT
 HOLE POSITION: ±.005 INCH PER FOOT
 HOLE DIAMETER: ±.002 INCH PER FOOT

ABS MATERIAL:
 CORNER LENGTH/WIDTH: ±.005 INCH PER FOOT
 ABS TOLERANCE: ±.005 INCH PER FOOT

THIS DESIGN IS A REPRESENTATION OF PRODUCT. IT MAY BE MADE TO INCREASE MANUFACTURABILITY OR IMPROVE FUNCTION. DESIGN TOOL BUILD.

CORNER URETHANE

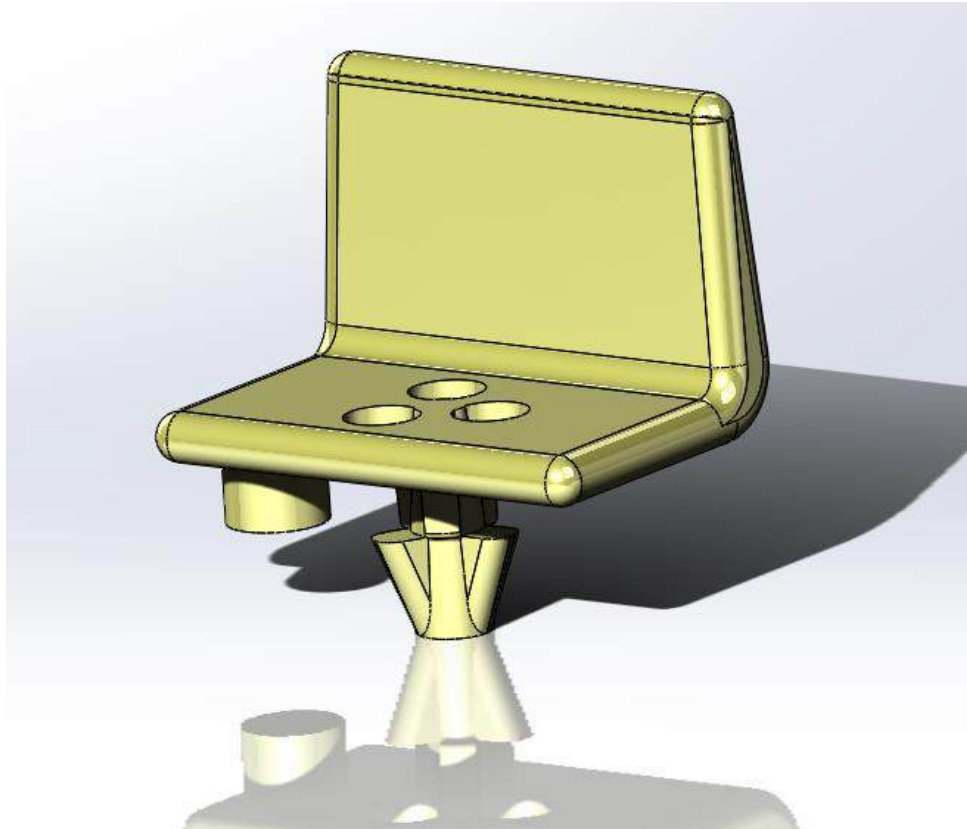
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

L-SHAPED TPU'S (ALL)

Product	Throat Length
SPI – L – 175	0.175"
SPI – L – 230	0.230"
SPI – L – 290	0.290"
SPI – LR – 175	0.175"
SPI – LR – 230	0.230"
SPI – LR - 290	0.290"
MAC03679	0.220"

SINGLE BARB, L-SHAPED PAD (1.24" x 0.87")

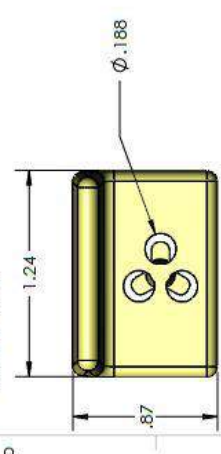
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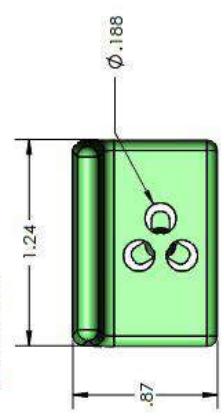
NAME	L Shaped			
	Throat Length	Length	Width	Height
SPI – L – 175	0.175"	1.24"	0.87"	.84"
SPI – L – 230	0.230"	1.24"	0.87"	.84"
SPI – L – 290	0.290"	1.24"	0.87"	.84"

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	L-SHAPED DESIGNED BY TOOL MAKER. CHANGED DIAMETER OF PINHOLES. CHANGED DIAMETER OF THROAT.	5/17/2013	
B	ADDED .25 DIA X .175 BOSS TO UNDERNEATH OF PART	4/22/2014	

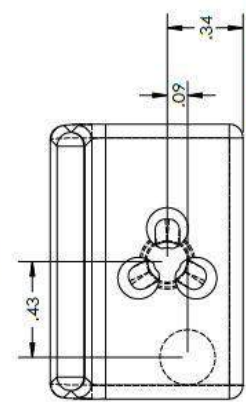
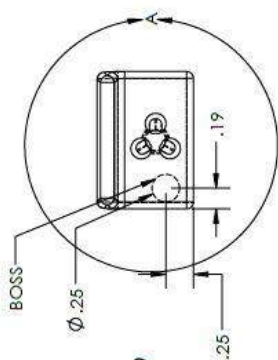
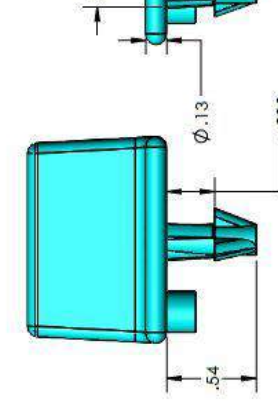
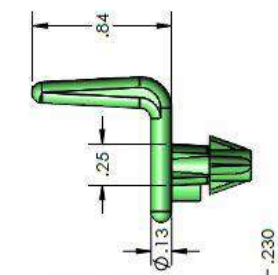
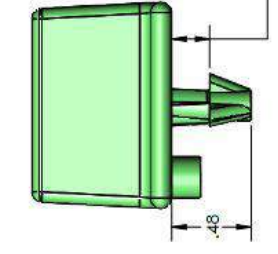
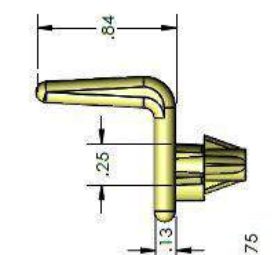
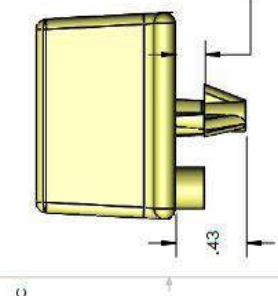
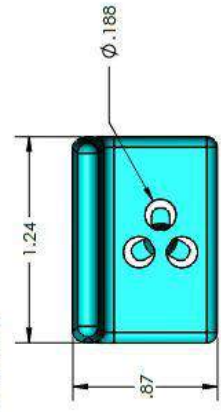
SPI-L-175



SPI-L-230



SPI-L-290



**L SHAPED URETHANE PAD
WITH BOSS**

SOROC PRODUCTS

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DETAIL A

MATERIAL TOLERANCES:
HOLE/WIPE MATERIAL: .0021 INCH PER FOOT
OVERBALL LENGTH/WIDTH: .0021 INCH PER FOOT
SINGLE SHEET: .0015 INCH PER FOOT
MULTIPLE SHEETS: .0015 INCH PER FOOT
MOUNTING HOLES: .003 INCH CENTERS

ASB MATERIAL: OVERBALL LENGTH/WIDTH: .0021 INCH PER FOOT
ASB TOLERANCE: .0021 INCH PER FOOT

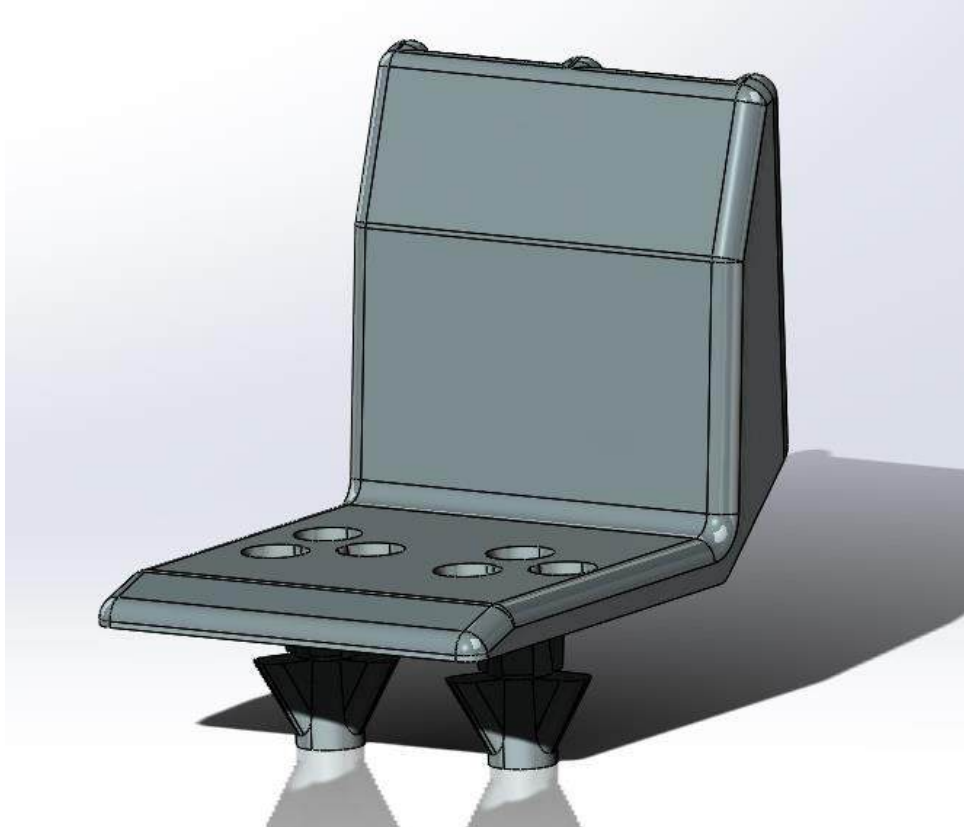
THIS DRAWING IS A REPRESENTATION OF A PRODUCT AT THE TIME OF DESIGN. IT IS NOT A MANUFACTURING DRAWING. IT MAY BE MADE TO INCREASE MANUFACTURABILITY OR IMPROVE FUNCTION USING TOOL BUILD.

NAME: M. DECKER DATE: 5/16/2013
DRAWN: M. DECKER SIZE: DWG. NO. B
CHECKED: PROJECT: L-SHAPED_URETHANE
PROJECT: SCALE: 2:1 WEIGHT: B
REV: SHEET 1 OF 1

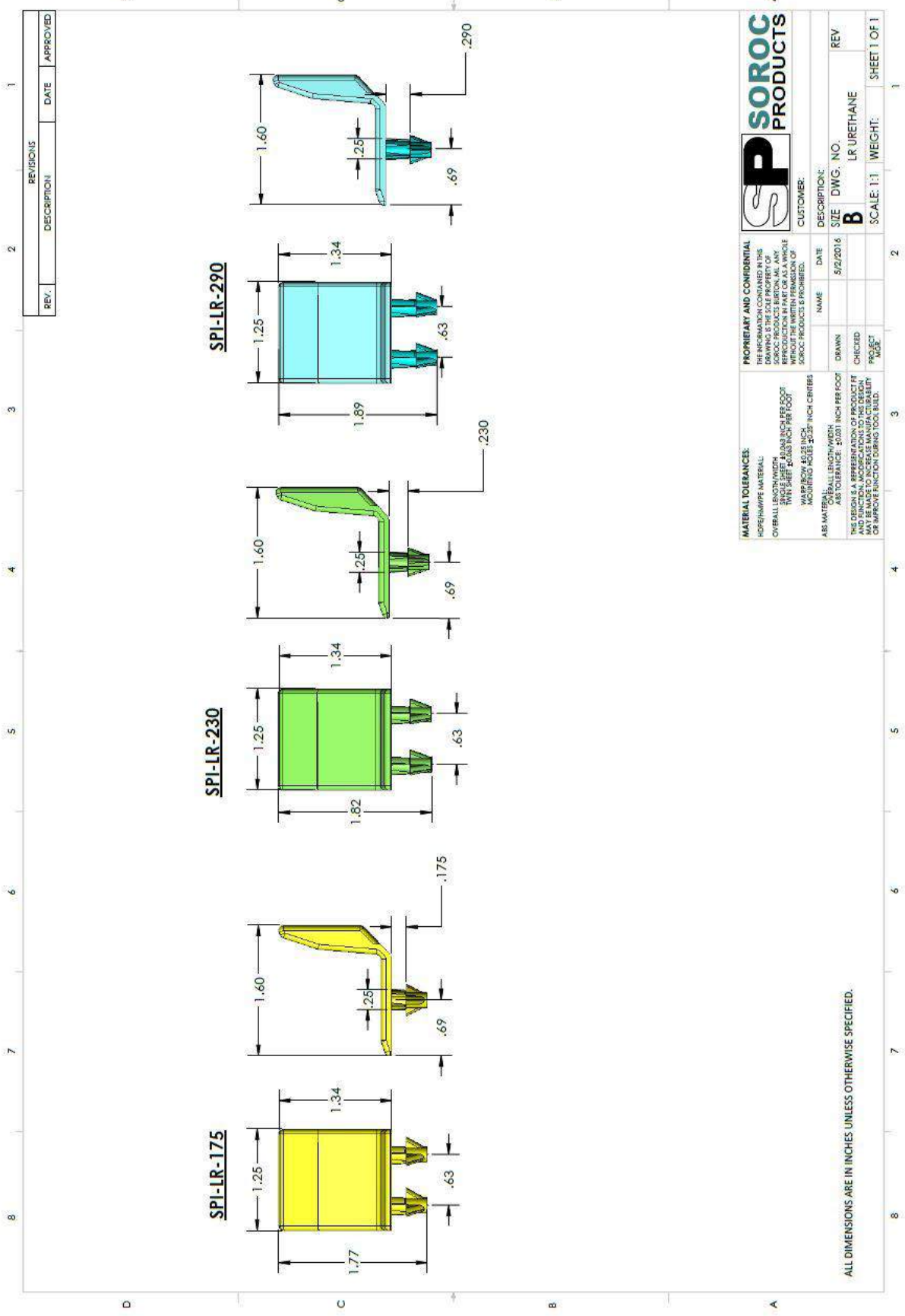
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

TWO BARB, L-SHAPED PAD (1.24" x 0.87")

See PDF on following page



NAME	Double Barb, L Shaped			
	Throat Length	Length	Width	Height
SPI – LR – 175	0.175"	1.25"	1.60"	1.34"
SPI – LR – 230	0.230"	1.25"	1.60"	1.34"
SPI – LR – 290	0.290"	1.25"	1.60"	1.34"



REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		

SP **SOROC PRODUCTS**

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DESCRIPTION:

SIZE: DWG. NO. LR URETHANE REV

SCALE: 1:1 WEIGHT: SHEET 1 OF 1

MATERIAL TOLERANCES:

HOPE/HAWE MATERIAL: ABS TOLERANCE: ±.001 INCH PER FOOT

OVERALL LENGTH/WIDTH: ±.005 INCH PER FOOT

THIN SHEET: ±.003 INCH PER FOOT

WARP/BOW: ±0.25 INCH

MOUNTING HOLES: #23 INCH CIRCLES

DATE: 5/2/2016

NAME:

DRAWN:

CHECKED:

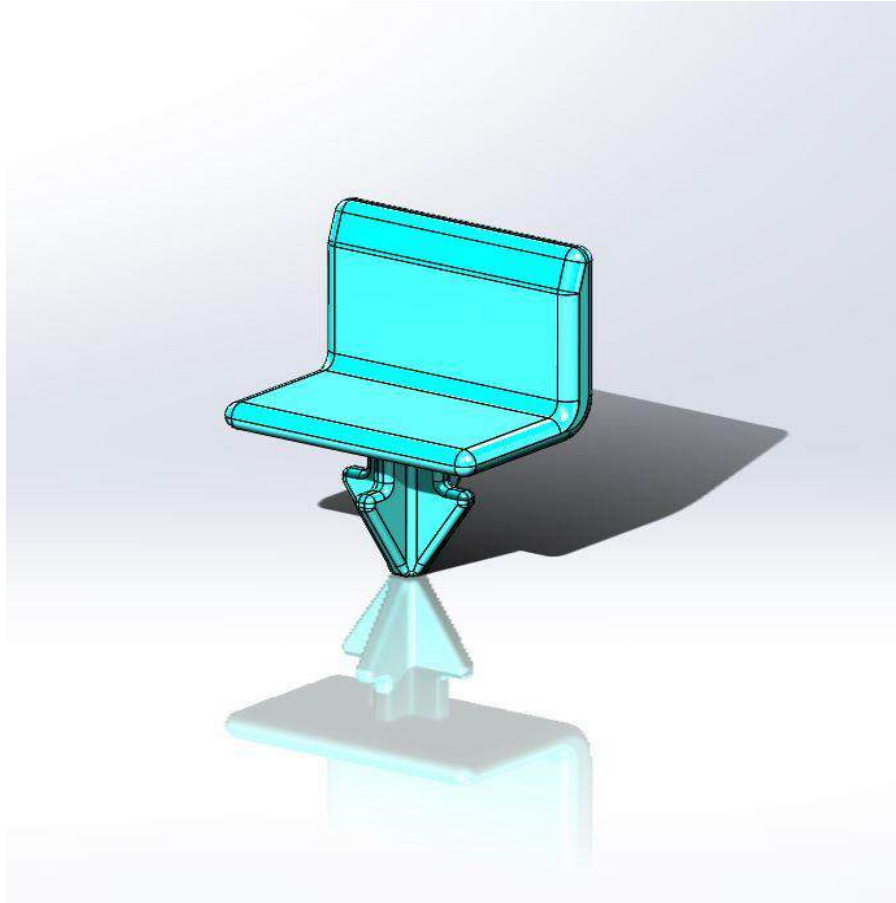
PROJECT:

MOD:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

SINGLE LARGE BARB, L-SHAPED PAD (1.25" x 0.88")

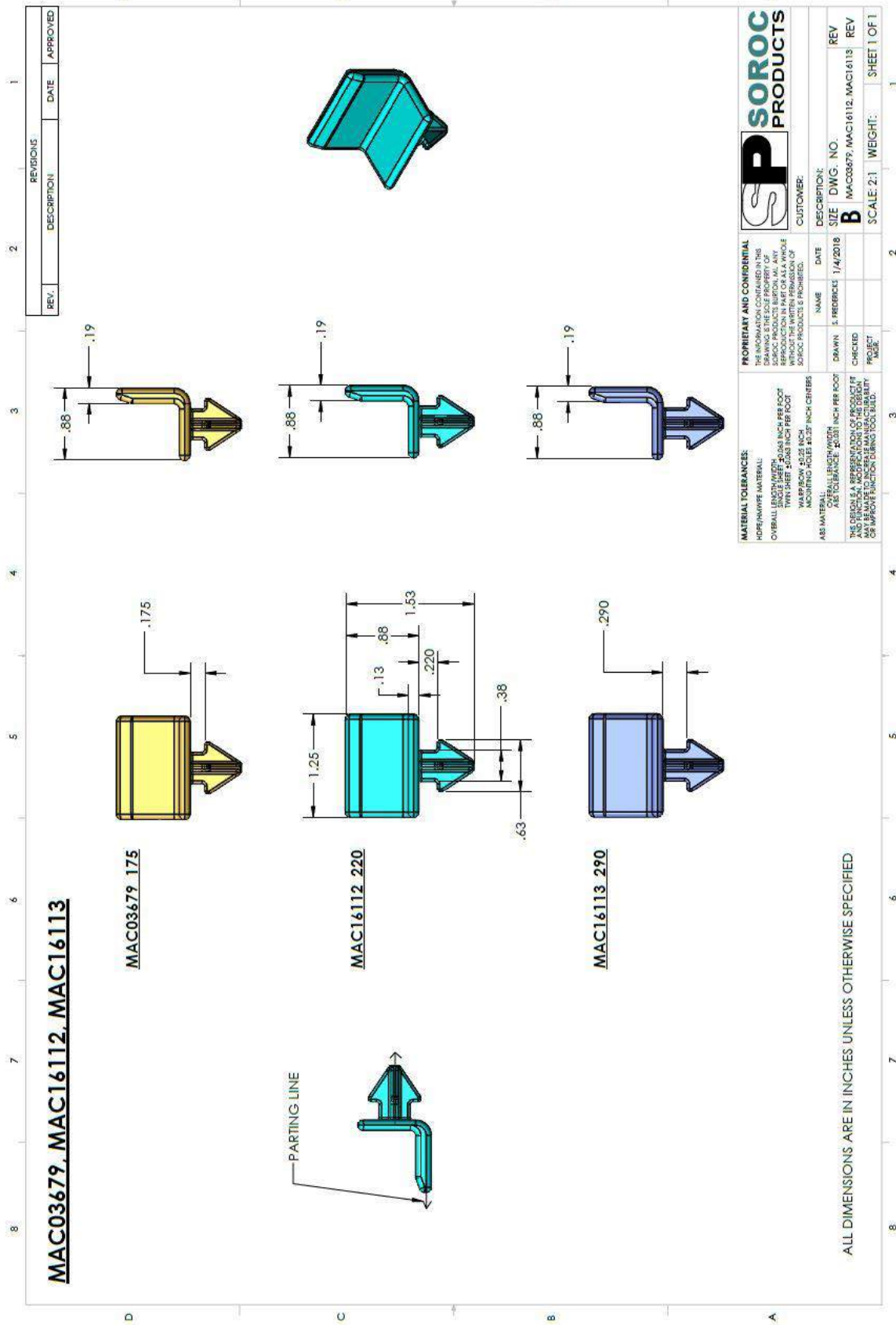
See PDF on following page



NAME	SINGLE BARB, L Shaped			
	Throat Length	Length	Width	Height
MAC03679_175	0.175"	1.25"	.88"	.88"
MAC16112_220	0.220"	1.25"	.88"	.88"
MAC16113_290	0.290"	1.25"	.88"	.88"

MAC03679, MAC16112, MAC16113

REV.		REVISIONS	
NO.	DESCRIPTION	DATE	APPROVED



SOROC PRODUCTS

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MATERIAL TOLERANCES:
 DIMENSIONS UNLESS OTHERWISE SPECIFIED:
 OVERALL LENGTH: ±0.005 INCH PER FOOT
 TWIN SHEET: ±0.003 INCH PER FOOT
 WARP/BOW: ±0.25 INCH
 MOUNTING HOLES: ±0.03 INCH CENTERS

ASS. MATERIAL:
 ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED:
 ±0.031 INCH PER FOOT

THE DESIGN IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. IT IS NOT A GUARANTEE OF PERFORMANCE OR IMPROVE FUNCTION DURING TOOL BUILD.

NAME	DATE	DESCRIPTION
E. FREDRICKS	1/4/2018	SIZE DWG. NO.
CHECKED		B MAC03679, MAC16112, MAC16113
PROJECT		SCALE: 2:1
WEIGHT:		SHEET 1 OF 1

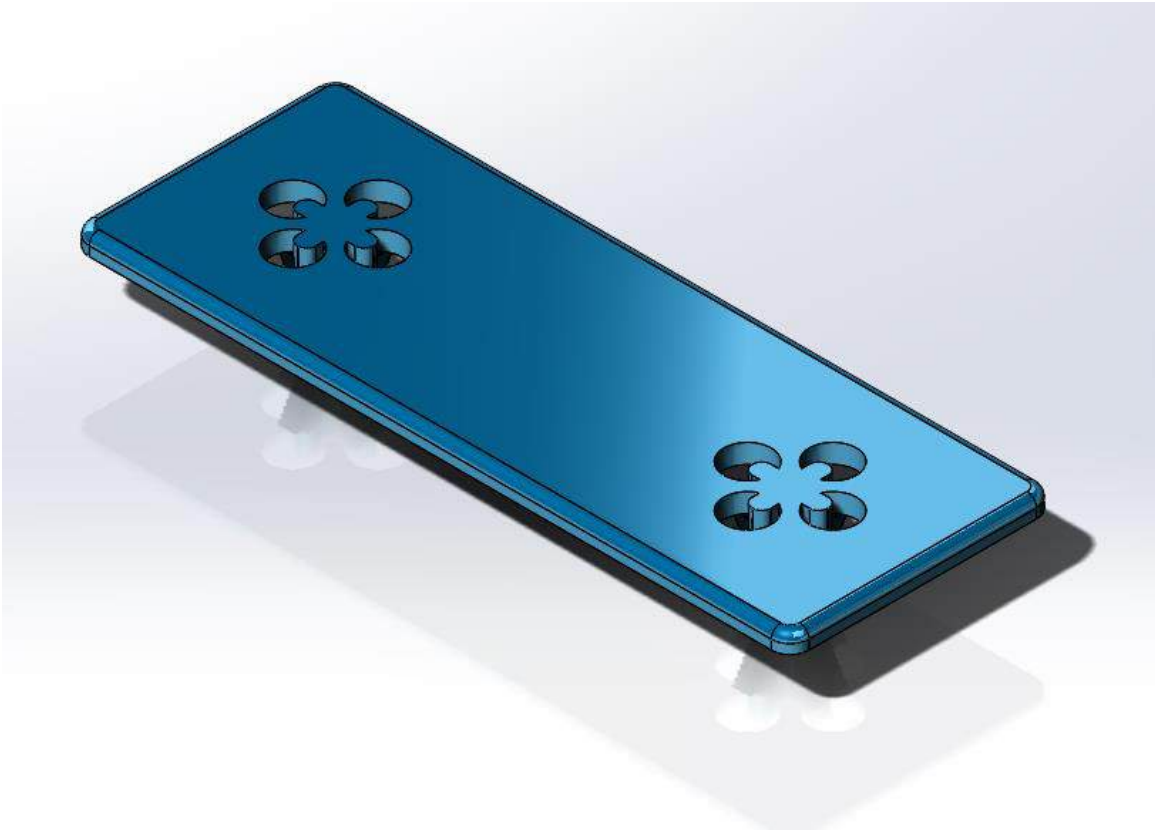
UNCONTROLLED WHEN PRINTED OR IN PDF FORM

FLAT TPU'S (ALL)

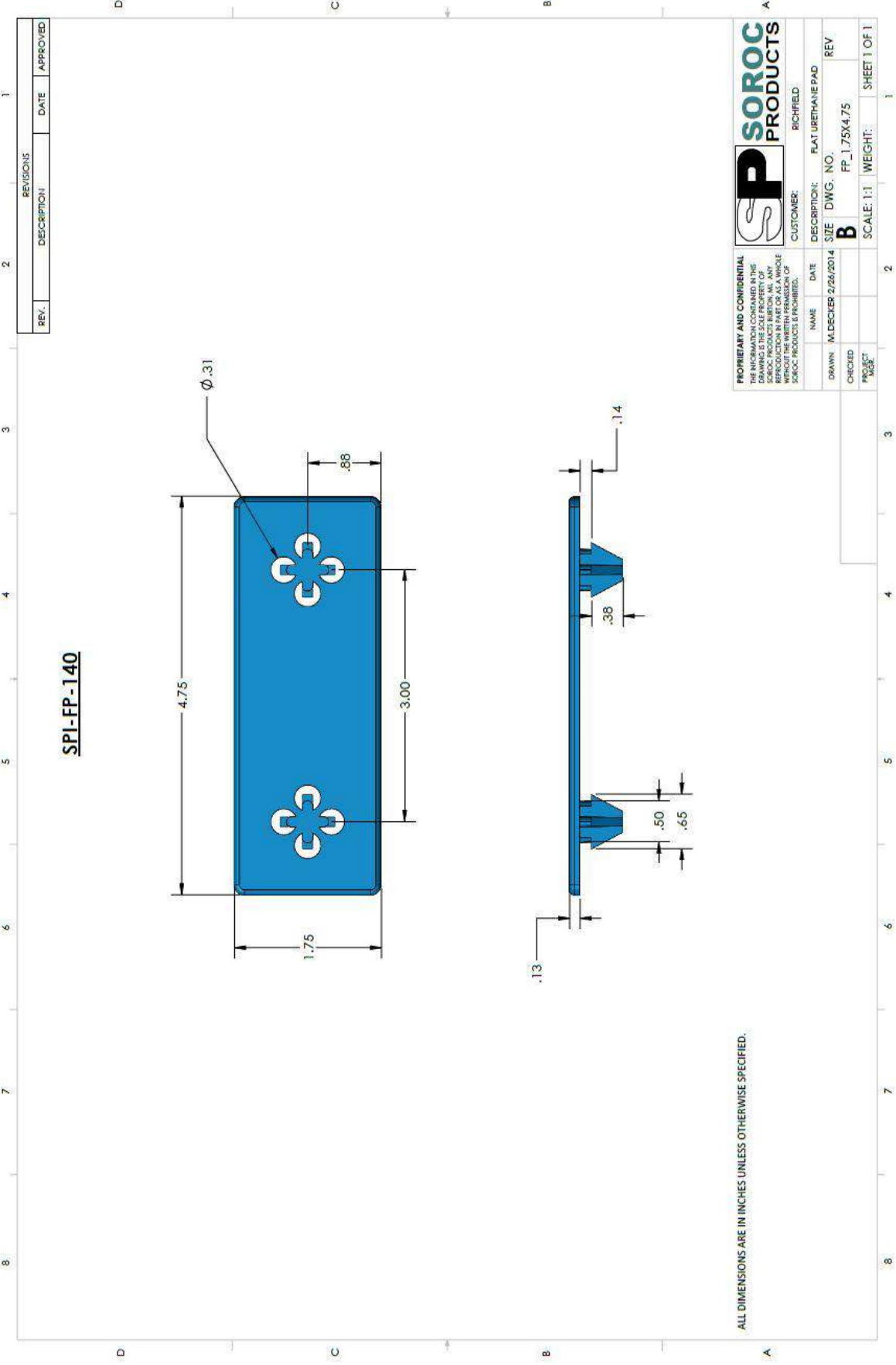
Product	Throat Length
SPI – FP– 140	0.140"
SPI – 2 x 2 – 140	0.140"
SPI – 2 x 2.75 – 140	0.140"
SPI – 2 x 6 – 140	0.140"
SPI – 2 x 10 – 140	0.140"

FLAT PAD (1.75 x 4.75)

See PDF on following page



NAME	Flat Pad 1.75 x 4.75			
	Throat Length	Length	Width	Height
SPI – FP – 140	0.140"	1.75"	4.75"	0.13"



SPI-FP-140

REV.	DESCRIPTION	DATE	APPROVED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

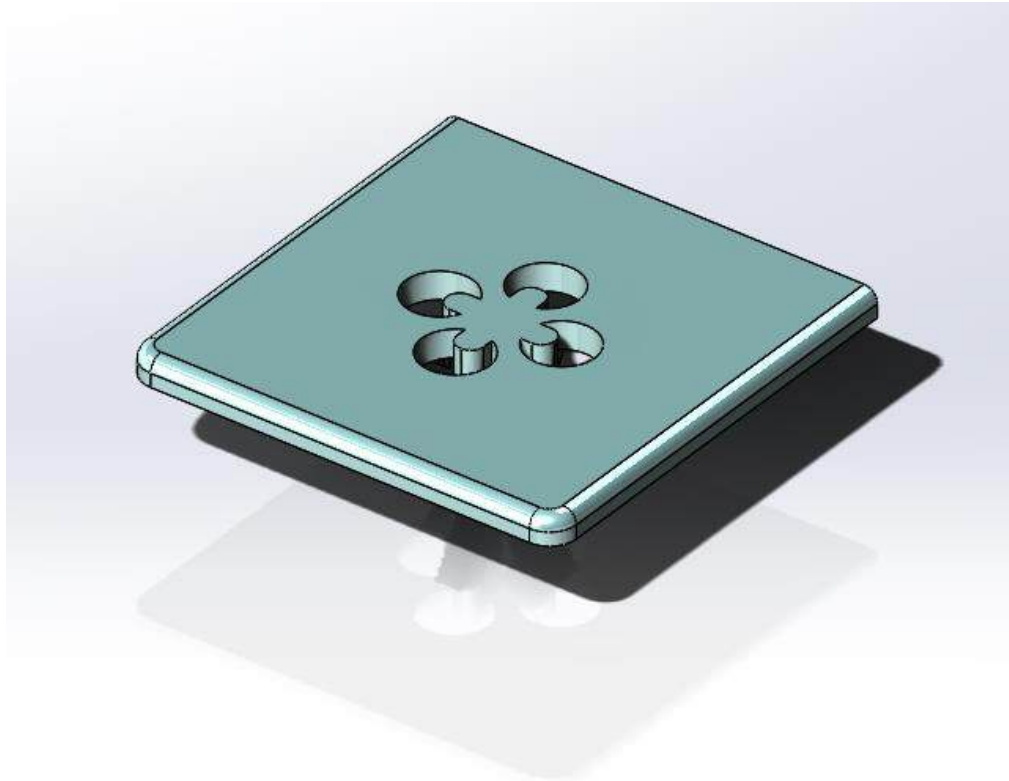
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SOROC PRODUCTS
 RICHFIELD

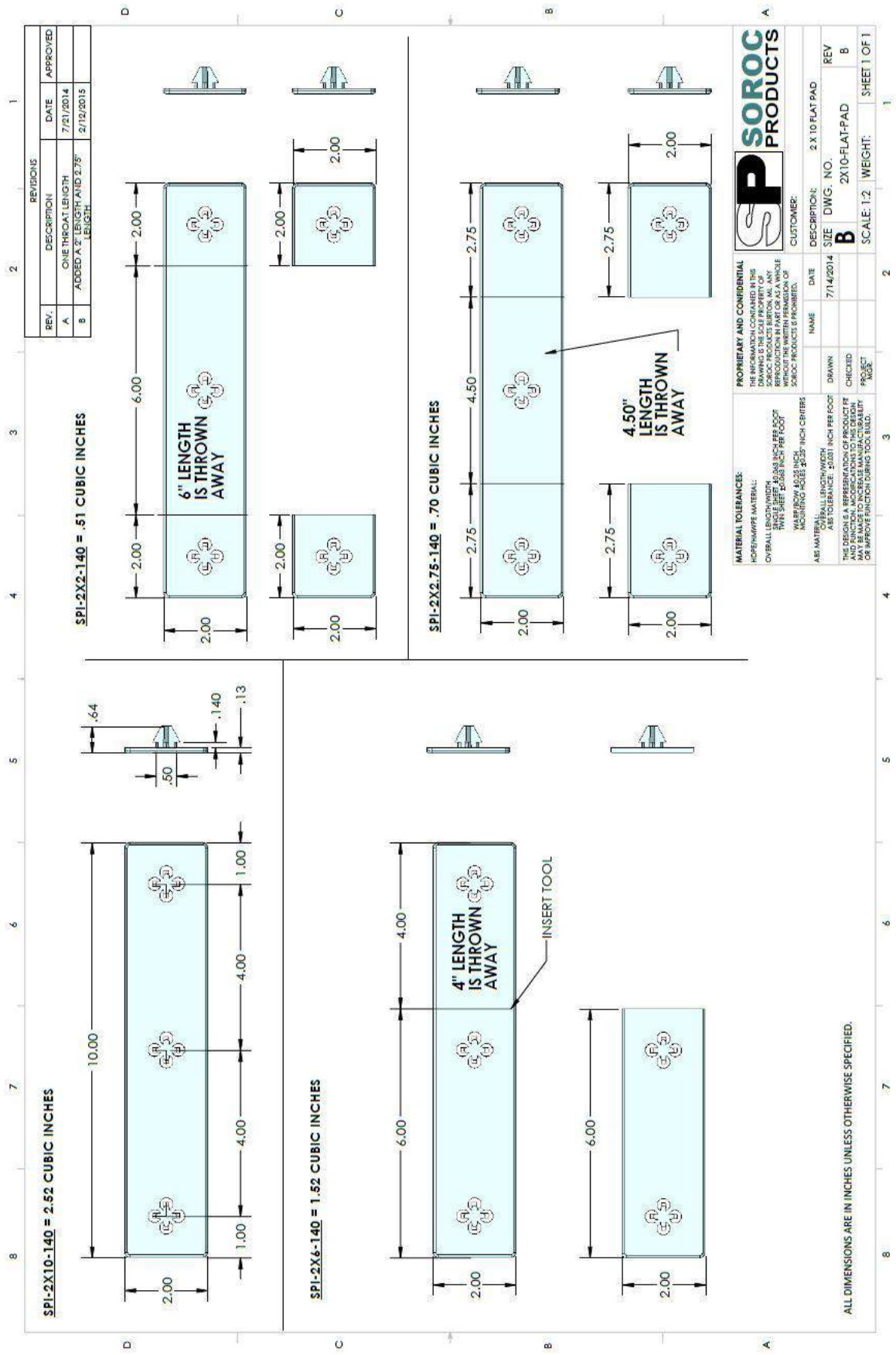
NAME	DATE	DESCRIPTION	FLAT URETHANE PAD
DRAWN: M. DECKER	2/25/2014	SIZE	DWG. NO.
CHECKED		B	FP_1.75X4.75
PROJECT NO.		SCALE: 1:1	WEIGHT:
			SHEET 1 OF 1

FLAT PAD (2 INCH VARIATIONS)

See PDF on following page



NAME	Flat Pad			
	Throat Length	Length	Width	Height
SPI – 2 x 2 – 140	0.140"	2.00"	2.00"	0.13"
SPI – 2 x 2.75 – 140	0.140"	2.00"	2.75"	0.13"
SPI – 2 x 6 – 140	0.140"	2.00"	6.00"	0.13"
SPI – 2 x 10 – 140	0.140"	2.00"	10.00"	0.13"



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ONE THROAT LENGTH	7/17/2014	
B	ADDED A T. LENGTH	2/12/2015	

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MATERIAL TOLERANCES: OVERALL LENGTH/WIDTH: ±.005 INCH PER FOOT HOLE SIZE: ±.005 INCH PER FOOT HOLE POSITION: ±.005 INCH PER FOOT HOLE DIAMETER: ±.005 INCH PER FOOT HOLE ROUNDNESS: ±.005 INCH PER FOOT		DATE: 7/14/2014	
NET MATERIAL: OVERALL LENGTH/WIDTH: ±.005 INCH PER FOOT HOLE SIZE: ±.005 INCH PER FOOT HOLE POSITION: ±.005 INCH PER FOOT HOLE DIAMETER: ±.005 INCH PER FOOT HOLE ROUNDNESS: ±.005 INCH PER FOOT		DRAWN: []	
THE SPECIAL MATERIALS, FINISHES, TOLERANCES AND FINISHES SPECIFIED IN THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT NOTICE. SOROC PRODUCTS MAY BE REQUIRED TO INCREASE MANUFACTURABILITY OR APPROVE FINISHES USING TOOL TUBS.		CHECKED: []	
SOROC PRODUCTS		PROJECT: []	
SIZE: 2X10-FLAT-PAD		SCALE: 1:2	
DWG. NO. B		WEIGHT: []	
REV. B		SHEET 1 OF 1	

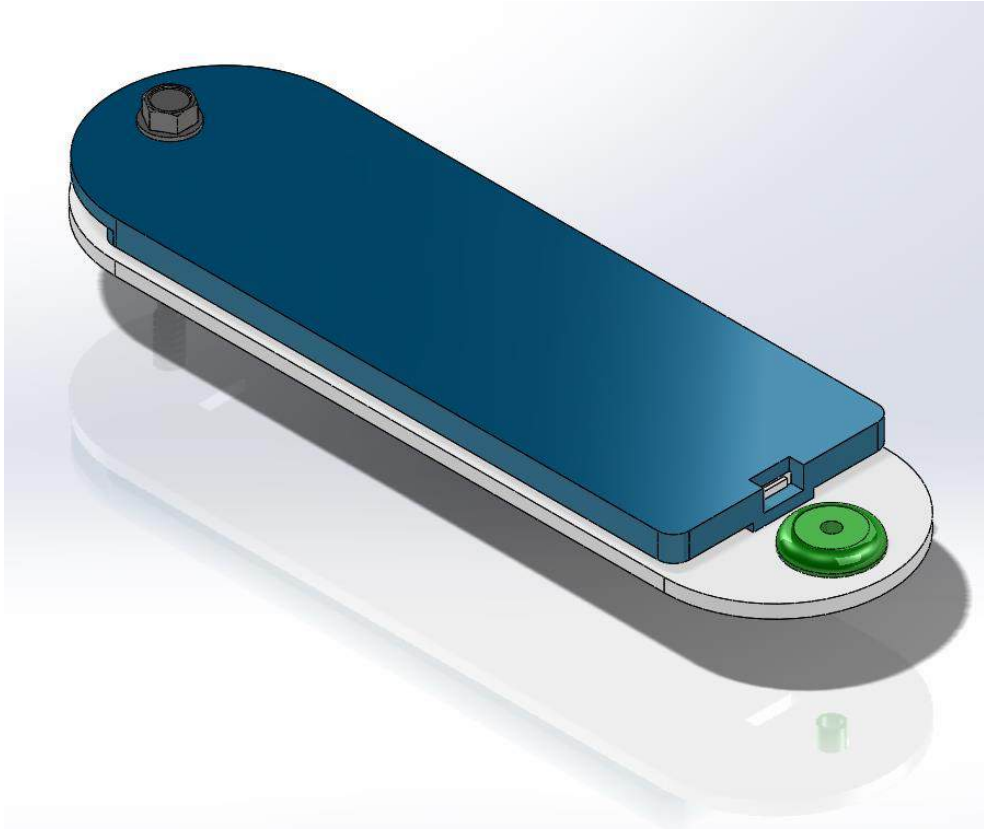
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

RF TAG MOUNT (ALL)

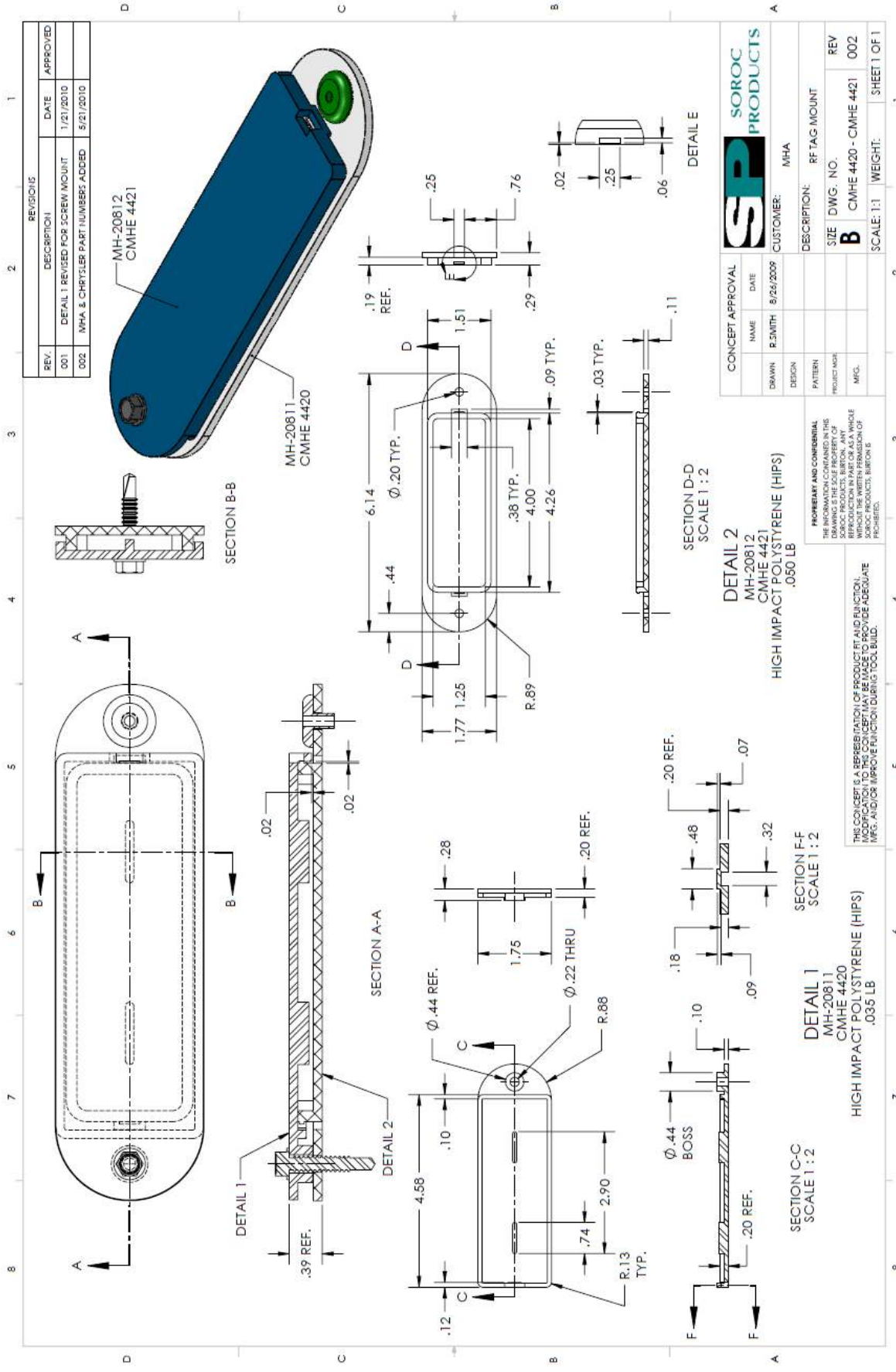
Product	No Throat Length
SP RF TAG (Mount)	N/A

RF TAG MOUNT

See PDF's on following pages



NAME	SP-CMHE 4420 or SP-CMHE 4421			
SP RF TAG (Mount)		Length	Width	Height
		1.77"	6.14"	0.39"



REV.	DESCRIPTION	DATE	APPROVED
001	DETAIL 1 REVISED FOR SCREW MOUNT	1/21/2010	
002	MHA & CHRYSLER PART NUMBERS ADDED	5/21/2010	

		CUSTOMER: MHA
CONCEPT APPROVAL NAME: R. SMITH DATE: 8/26/2009	DESIGN:	DESCRIPTION: RF TAG MOUNT
SIZE: B DWG. NO.: CMHE 4420 - CMHE 4421	REV: 002	SHEET 1 OF 1

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THIS CONCEPT IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION.
 MODIFICATIONS TO THIS CONCEPT MAY BE MADE TO PROVIDE ADEQUATE
 MFG. AND/OR APPRO. FOR BURNING TOOLING.

STRIPE COLOR (2" and 4")



**LIGHT
BLUE**



GREEN



RED



YELLOW



GRAY



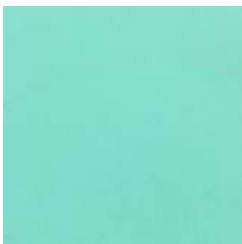
BLUE



ORANGE



PURPLE



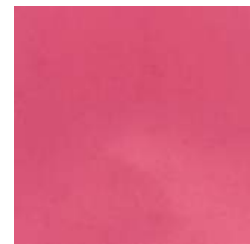
**MINT
GREEN**



WHITE



TAN



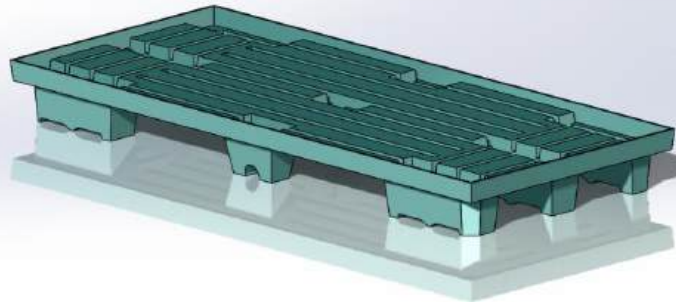
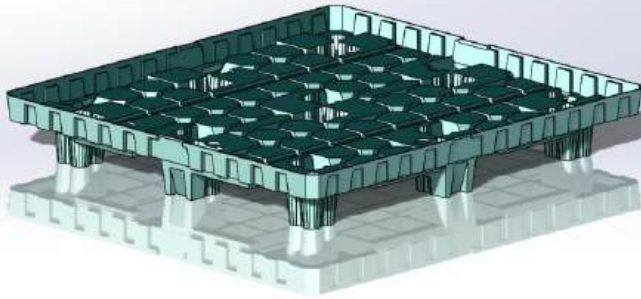
PINK

PALLETS (ALL)

Product	Description	Seatbelt
SPI-3236-SSP	32 x 36	NO
SPI-3248-SSP	32 x 48	(2) On Length Sides
SPI-2864-SSP	28 x 64	NO
SPI-4048-SSP	40 x 48	(2) On Width Sides
SPI-4548-SSP	45 x 48	(4) All Sides
SPI-4848-SSP	48 x 48	(2)
SPI-4552-SSP	45 x 52	(4) All Sides
SPI-4454-SSP	44 x 54	(2) On Length Sides
SPI-4854-SSP	48 x 54	NO
SPI-4857-SSP	48 x 57	(2) On Length Sides
SPI-4560-SSP	45 x 60	NO
SPI-4590-SSP	45 x 90	NO
SPI-3032-TSP	30 x 32	(2) On Width Sides
SPI-3236-TSP	32 x 36	(2) On Width Sides
SPI-4040-TSP	40 x 40	NO
SPI-4548-TSP	45 x 48	(4) All Sides

SINGLE SHEET PALLETS

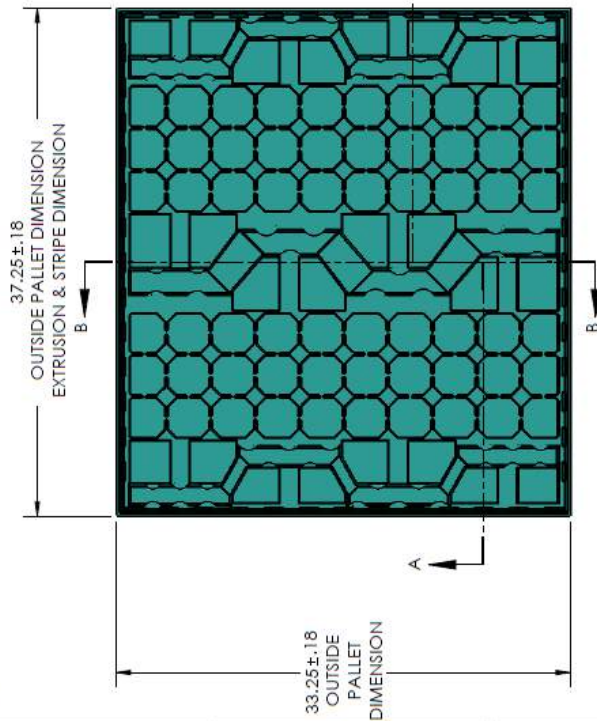
See PDF's on following pages



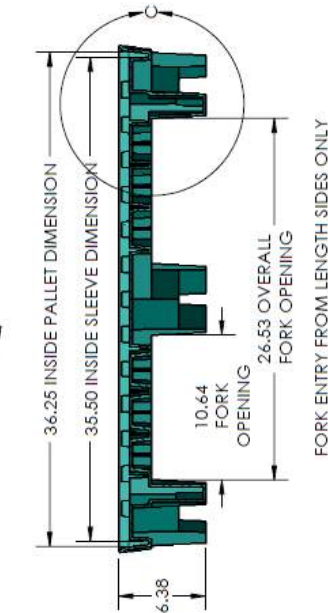
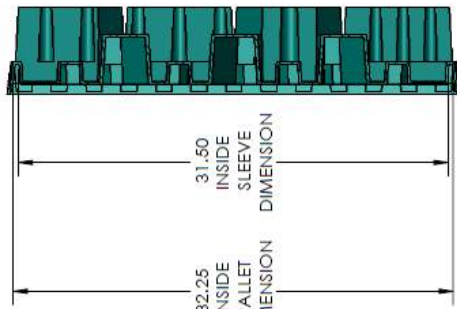
Single Sheet Pallets

NAME	DESC.	DIM. OD	DIM. ID	LID	WEIGHT
SPI-3236-SSP	32 x 36	37.25 x 33.25	32.25 x 36.25	PALLET AS LID	11.1
SPI-3248-SSP	32 x 48	33 x 49	32 x 48	PALLET AS LID	13.8
SPI-2864-SSP	28 x 64	28.5 x 64.5	28 x 64	SPI-2864-SSL	16.9
SPI-4048-SSP	40 x 48	41.13 x 49.13	40 x 48	PALLET AS LID	18.2
SPI-4548-SSP	45 x 48	46 x 49.5	48 x 45	PALLET AS LID	20.5
SPI-4848-SSP	48 x 48	48 x 48	47.16 x 47.16	PALLET AS LID	20.7
SPI-4552-SSP	45 x 52	45 x 52	42.5 x 51	PALLET AS LID	21
SPI-4454-SSP	44 x 54	44 x 54	43.13 x 53.13	PALLET AS LID	21.4
SPI-4854-SSP	48 x 54	48 x 54	47 x 53	PALLET AS LID	23.3
SPI-4857-SSP	48 x 57	49.5 x 58.5	48.5 x 57.5	PALLET AS LID	24.6
SPI-4560-SSP	45 x 60	46 x 61	45 x 60	PALLET AS LID	25.2
SPI-4590-SSP	45 x 90	46 x 91	44.75 x 89.75	PALLET AS LID	37.6

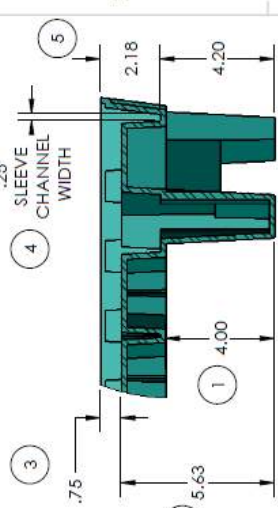
SPI-3236-SSP



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	32 X 36 SINGLE SHEET PALLET MIRROR IMAGE; PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI-3236-SSP
SOROC TOOL#:	5147
PALLET I.D.:	33.25 X 37.25
PALLET O.D.:	32.25 X 36.25
SLEEVE I.D.:	31.5 X 35.5
SLEEVE O.D.:	31.1
SEATBELT RETRACTOR SET:	NONE
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 12; DIA: .25
COLOR:	BLACK IS STANDARD



SECTION B-B



DETAIL C

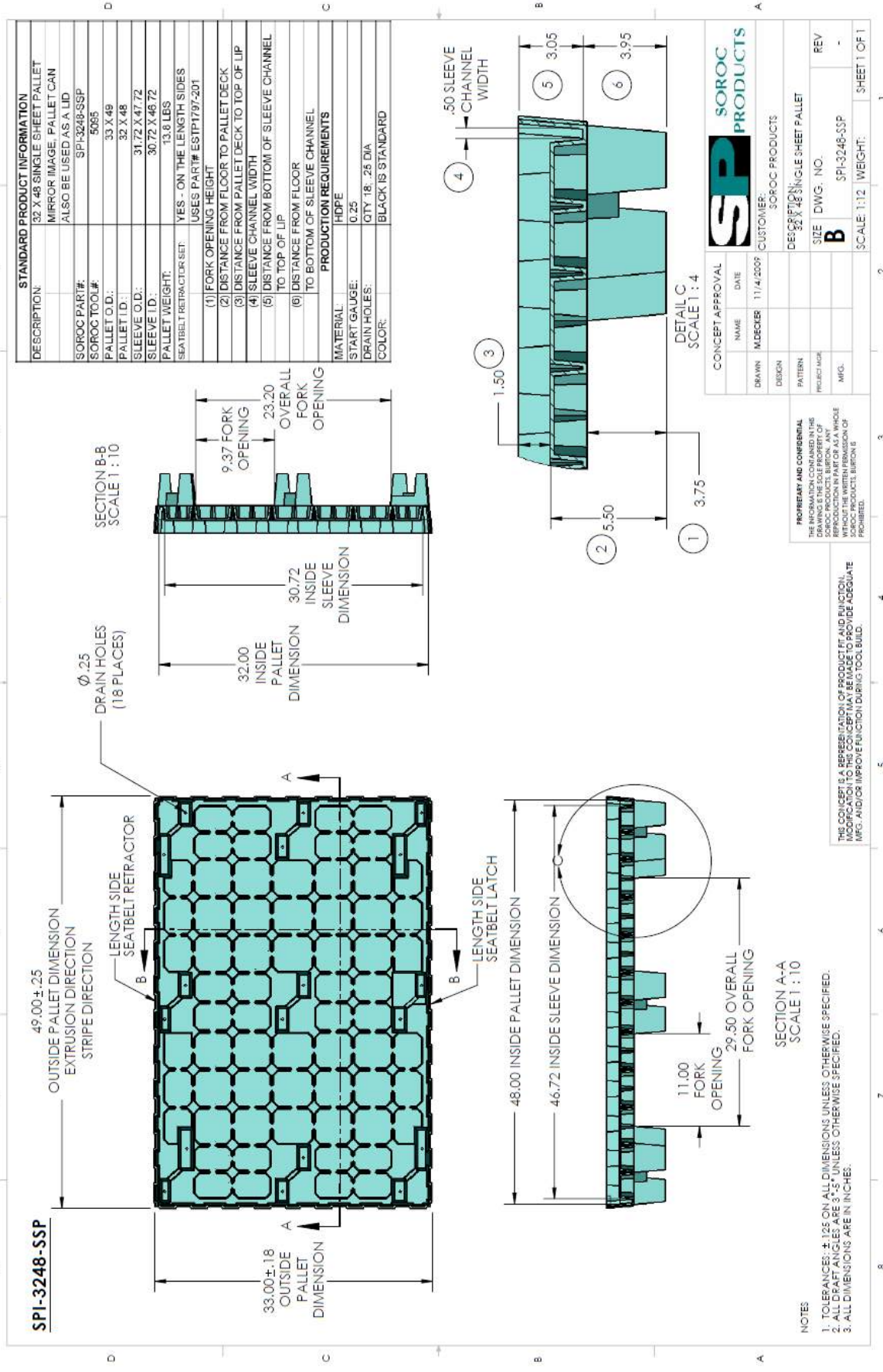
CONCEPT APPROVAL	
NAME	DATE
DRAWN	8/12/2010
DESIGN	DESIGNER
PATTERN	DESIGN
PROJECT NO.	
MFG.	

SOROC PRODUCTS
 CUSTOMER: SOROC PRODUCTS
 DESCRIPTION: DEBC
 SIZE: B
 DWG. NO.: SPI-3236-SSP
 REV: -
 SCALE: 1:8
 SHEET 1 OF 1

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NOTES:
 SECTION A-A
 1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	32 X 48 SINGLE SHEET PALLET MIRROR IMAGE, PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI-3248-SSP
SOROC TOOL#:	5065
PALLET I.D.:	33 X 48
PALLET O.D.:	32 X 48
SLEEVE I.D.:	31.72 X 47.72
SLEEVE O.D.:	30.72 X 46.72
PALLET WEIGHT:	13.8 LBS
SEATBELT RETRACTOR SET:	YES - ON THE LENGTH SIDES
(1) FORK OPENING HEIGHT	USERS PART# ESTP1797-201
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	CITY 18 - .25 DIA
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL	
NAME:	
DATE:	
DRAWN / CHECKER:	11/4/2009
DESIGN:	
PATTERN:	
PROJECT NAME:	
MFG.:	

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DESIGNER:	SOROC PRODUCTS
CUSTOMER:	SOROC PRODUCTS
SIZE:	32 X 48 SINGLE SHEET PALLET
REV:	
SCALE:	1:12 WEIGHT:

CONCEPT APPROVAL	DATE
DRAWN / CHECKER	11/4/2009
DESIGN	
PATTERN	
PROJECT NAME	
MFG.	

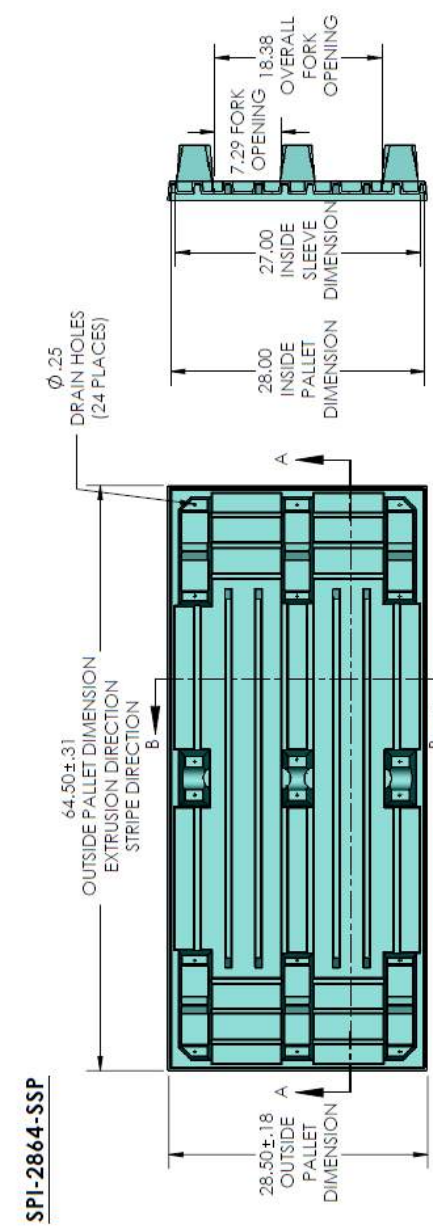
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NOTES

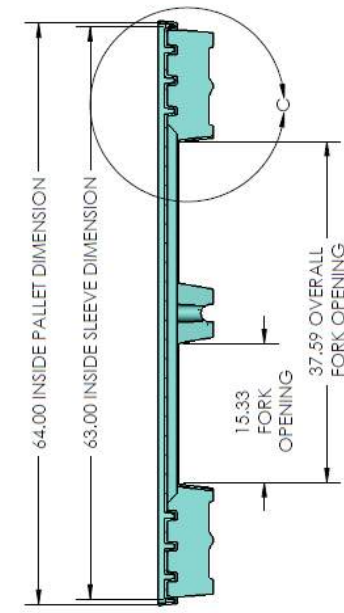
1. TOLERANCES: .4" FOR ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3:1 UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.

6 7 8 1 2 3 4 5 6 7 8

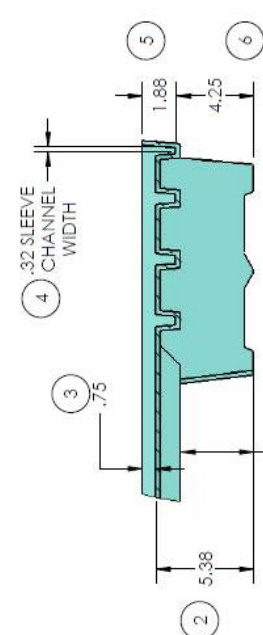
STANDARD PRODUCT INFORMATION	
DESCRIPTION:	28 X 64 SINGLE SHEET PALLET USED WITH SPI-2864-SSL
SOROC PART#:	SPI-2864-SSP
SOROC TOOL#:	5005
PALLET O.D.:	28.5 X 64.5
SLEEVE O.D.:	28 X 64
SLEEVE I.D.:	27.62 X 63.62
PALLET WEIGHT:	16.9 LBS
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 24 ; DIA.: .25"



SECTION B-B



SECTION A-A



DETAIL C
SCALE 1:6

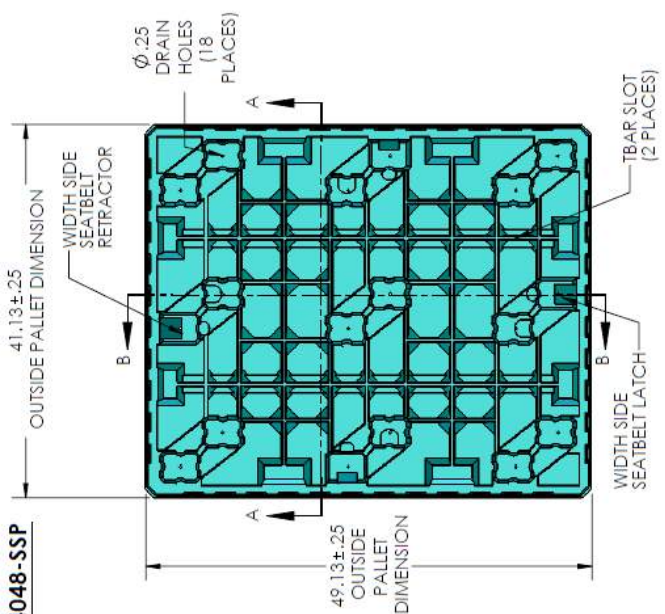
CONCEPT APPROVAL		SOROC PRODUCTS	
NAME	DATE	CUSTOMER	
DRAWN	M/DECKER	11/10/2009	SOROC PRODUCTS
DESIGN			
PATTERN			
PROJECT NAME			
MFG.			
DESIGN: 28 X 64 SINGLE SHEET PALLET		SIZE	DWG. NO.
		B	SPI-2864-SSP
		SCALE	1:12
		WEIGHT:	SHEET 1 OF 1

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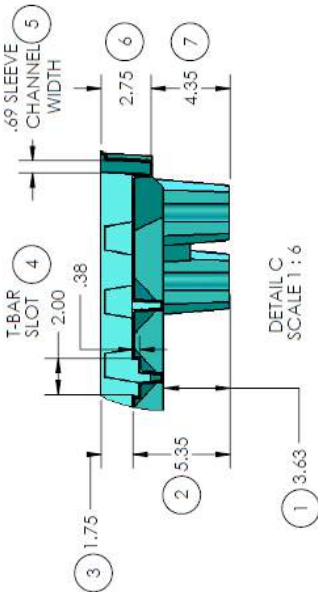
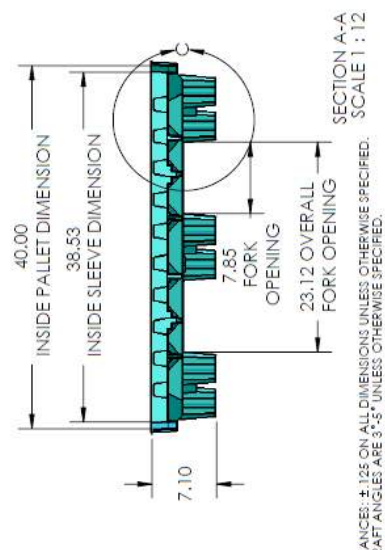
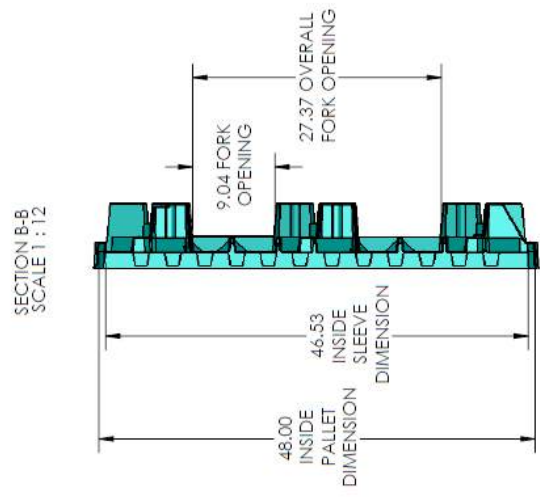
- NOTES
1. TOLERANCES: ± .125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3:1 UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

SPI-4048-SSP



STANDARD PRODUCT INFORMATION

DESCRIPTION:	40 X 48 SINGLE SHEET PALLET MIRROR IMAGE, PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI-4048-SSP
SOROC TOOL#:	5092
PALLET O.D.:	41.13 X 49.13
PALLET I.D.:	40 X 48
SLEEVE O.D.:	38.53 X 47.9
SLEEVE I.D.:	38.53 X 46.53
PALLET WEIGHT:	18.2 LBS
SEATBELT RETRACTOR SET:	YES - ON THE WIDTH SIDES USES PART# ESTP1797-201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) T-BAR SLOT (2 PLACES)	
(5) SLEEVE CHANNEL WIDTH	
(6) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(7) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 18 SIZE: 25" DIA
COLOR:	BLACK IS STANDARD



CONCEPT APPROVAL

NAME	DATE
DESIGN	11/4/2009
DRAWN	M/DEC/11
PATTERN	
PREDICT MGR.	
MFG.	

SOROC PRODUCTS

DESCRIPTION: 40 X 48 SINGLE SHEET PALLET

SIZE DWG. NO. **B** SPI-4048-SSP

SCALE: 1:8 WEIGHT: SHEET 1 OF 1

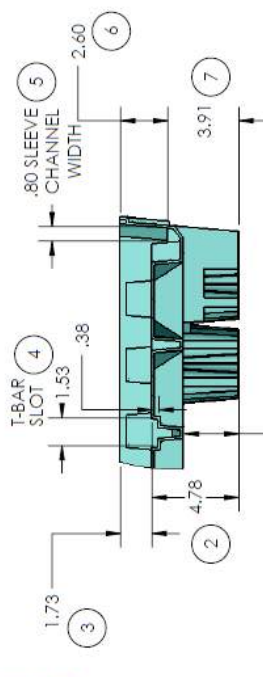
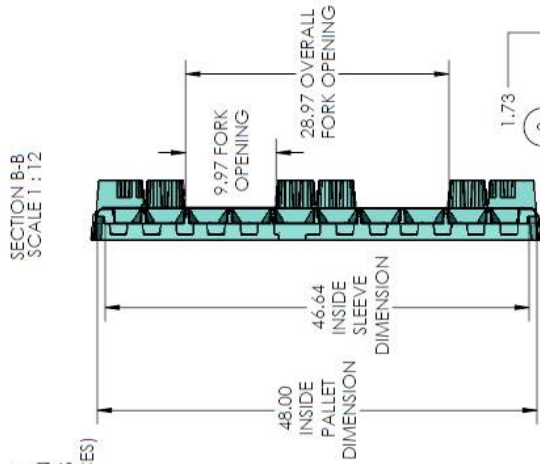
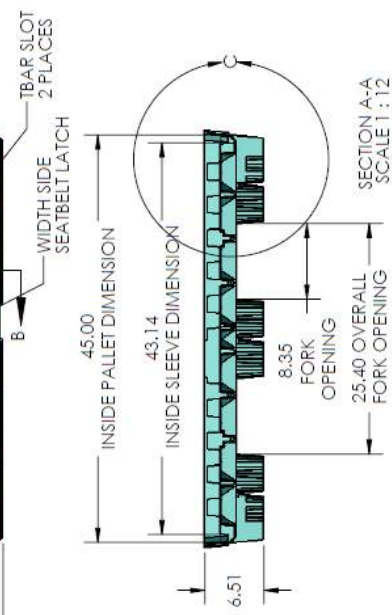
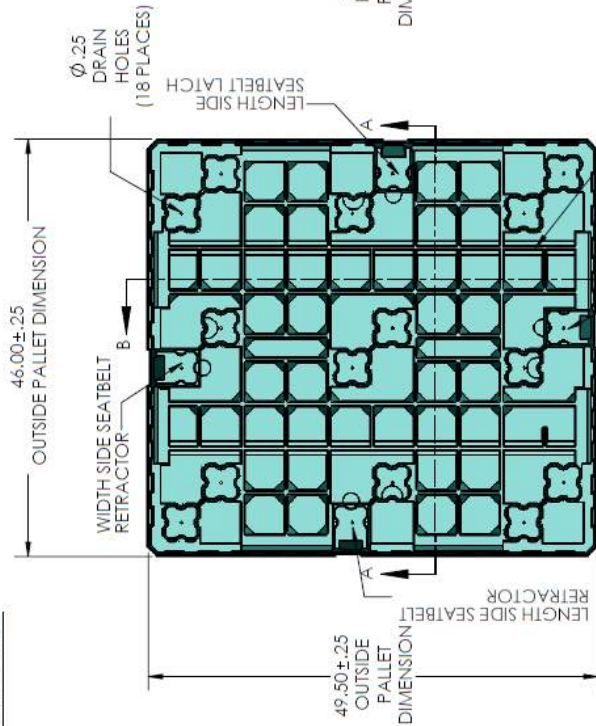
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NOTES

1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.

SPI-4548-SSP



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	45 X 48 SINGLE SHEET PALLET MIRROR IMAGE - PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI4548-SSP
SOROC TOOL#:	5184
PALLET O.D.:	46 X 46.5
PALLET I.D.:	45 X 48
SLEEVE O.D.:	44.74 X 48.24
SLEEVE I.D.:	43.14 X 46.64
PALLET WEIGHT:	20.6 LBS.
SEATBELT RETRACTOR SET:	YES - ON EITHER LENGTH OR WIDTH; USES PART# EST1797-201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) T-BAR SLOT (2 PLACES)	
(5) SLEEVE CHANNEL WIDTH	
(6) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(7) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 18; SIZE: .25 DIA
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL	
NAME	DATE
DRAWN	M/DECER 8/12/2010
DESIGN	
PATTERN	
PROJECT MARK	
MFG.	

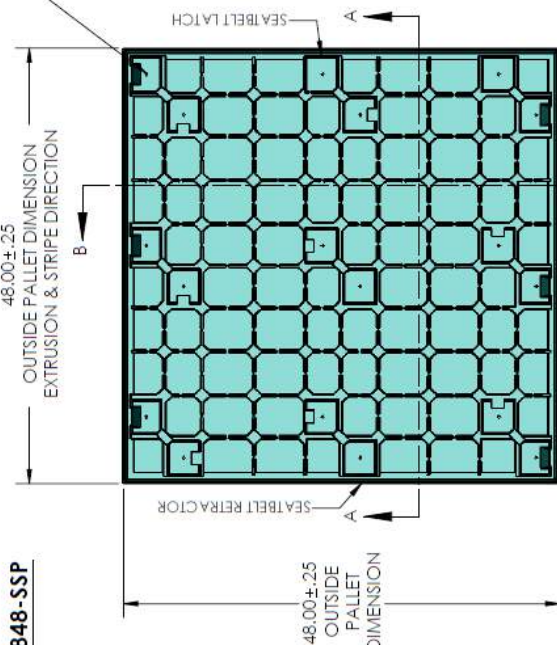
SOROC PRODUCTS
CUSTOMER: SOROC PRODUCTS
DESCRIPTION: 45 X 48 SINGLE SHEET PALLET
SIZE DWG. NO. **B**
REV -
SCALE: 1:8 WEIGHT: SHEET 1 OF 1

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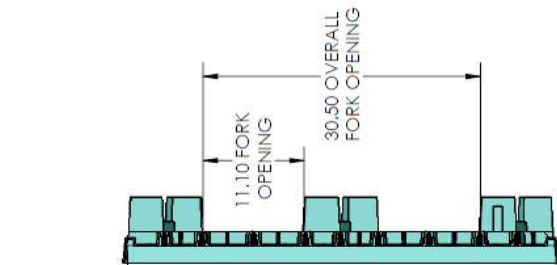
THIS CONCEPT IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATION TO THIS CONCEPT MAY BE MADE TO PROVIDE ADEQUATE MFG. AND/OR IMPROVE FUNCTION DURING TOOL BUILD.

- NOTES
1. TOLERANCES: ± .125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

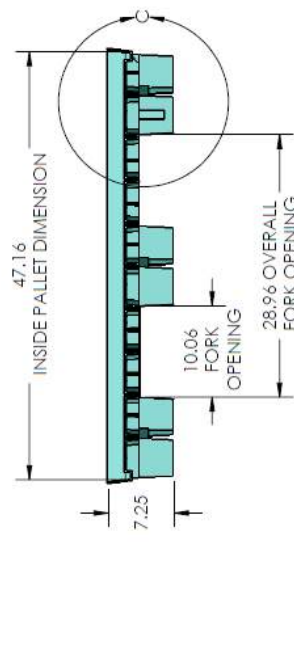
SPI-4848-SSP



Ø.25 DRAIN HOLES (18 PLACES)

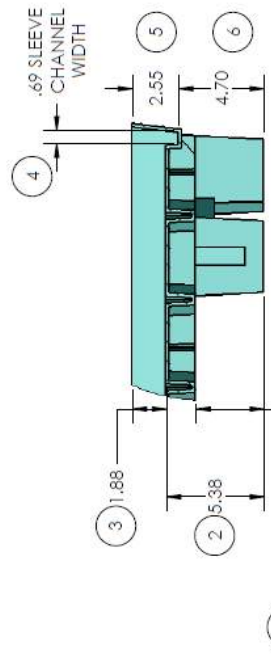


SECTION B-B



SECTION A-A

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	48 X 48 SINGLE SHEET PALLET
MIRROR IMAGE, PALLET CAN ALSO BE USED AS A LID	
SOROC PART #:	SPI-4848-SSP
SOROC TOOL #:	5082
PALLET O.D.:	48 X 48
PALLET I.D.:	47.16 X 47.16
SLEEVE O.D.:	47 X 47
SLEEVE I.D.:	45.62 X 45.62
PALLET WEIGHT:	20.7 LBS
SEA BELT RETRACTOR SET:	YES - ON ONE SIDE
(1) FORK OPENING HEIGHT	USES PART# ESTP-797-201
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH TO TOP OF LIP	
(5) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPPE
START GAUGE:	0.25
DRAIN HOLES:	CITY: 18; SIZE: 26 DIA
COLOR:	BLACK IS STANDARD



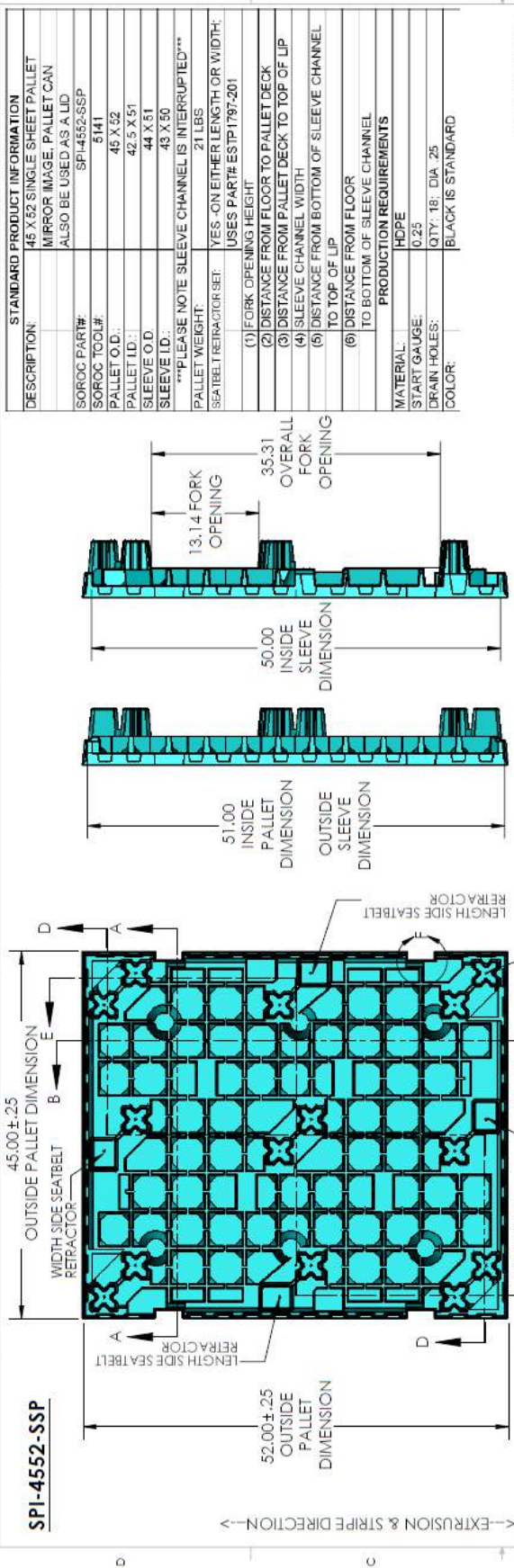
DETAIL C
SCALE 1:6

CONCEPT APPROVAL	
NAME	DATE
DESIGNER	12/7/2009
CUSTOMER:	SOROC PRODUCTS
PATTERN:	
PROJECT NAME:	DESCRIPTION: 48 X 48 SINGLE SHEET PALLET
DRG.:	SIZE DWG. NO. B
	REV -
	SPI-4848-SSP
	SCALE: 1:12
	WEIGHT:
	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS CONCEPT IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SOROC PRODUCTS IS PROHIBITED.

THE CONCEPT IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATION TO THIS CONCEPT MAY BE MADE TO PROVIDE ADEQUATE MFG. AND/OR IMPROVE FUNCTION DURING TOOL BUILD.

- NOTES:
1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.



STANDARD PRODUCT INFORMATION

DESCRIPTION:	45 X 52 SINGLE SHEET PALLET MIRROR IMAGE, PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	5141
SOROC TOOL#:	SPI-4552-SSP
PALLET O.D.:	45 X 52
PALLET I.D.:	42.5 X 51
SLEEVE O.D.:	44 X 51
SLEEVE I.D.:	43 X 50
PLEASE NOTE SLEEVE CHANNEL IS INTERRUPTED	
PALLET WEIGHT:	21 LBS
SEATBELT RETRACTOR SET:	YES - ON EITHER LENGTH OR WIDTH; USES PART# ESTP1797-201
(1) FORK OPENING HEIGHT:	
(2) DISTANCE FROM FLOOR TO PALLET DECK:	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP:	
(4) SLEEVE CHANNEL WIDTH:	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP:	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL:	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 18; DIA: .25
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL

NAME	DATE
DRAWN / M/DECKER	8/12/2010
DESIGN	
PATTERN	
PART NUMBER	
PROJECT NAME	
MFG.	

SP SOROC PRODUCTS
CUSTOMER: SOROC PRODUCTS
DESIGN: 45 X 52 SINGLE SHEET PALLET

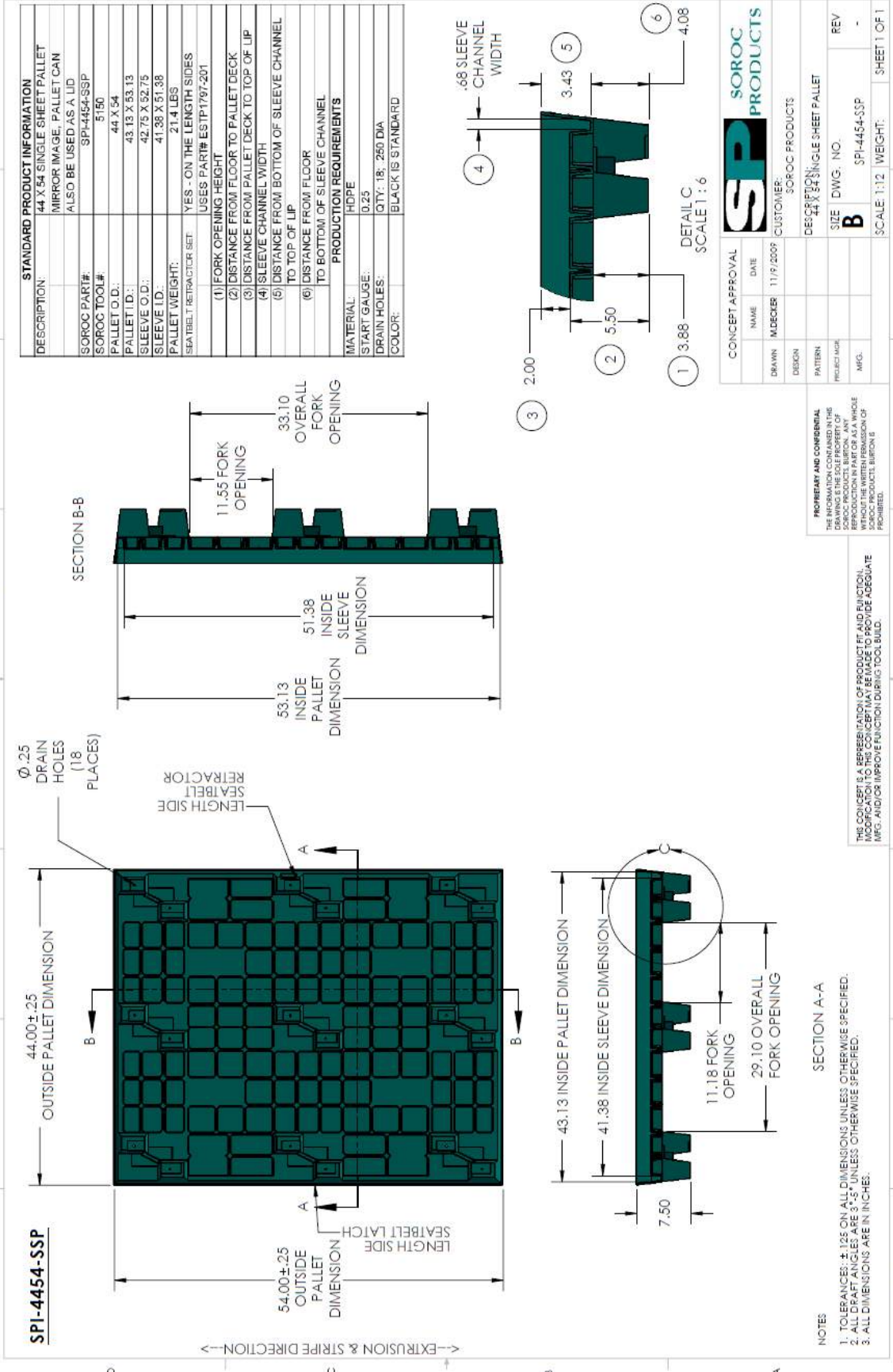
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THIS CONCEPT IS SUBJECT TO CHANGE WITHOUT NOTICE. SOROC PRODUCTS MAY BE OBLIGATED TO MAKE CHANGES TO THIS CONCEPT TO BE MADE TO ADEQUATE MFG. AND/OR IMPROVE FUNCTION DURING TOOL BUILD.

SCALE: 1:12 WEIGHT: SHEET 1 OF 1

SCALE 1:6
SCALE 1:6
SCALE 1:6

NOTES:
1. TOLERANCES: ± .105 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.



STANDARD PRODUCT INFORMATION

DESCRIPTION:	44 X 54 SINGLE SHEET PALLET
MIRROR IMAGE, PALLET CAN ALSO BE USED AS A LID	
SOROC PART#:	SPI-4454-SSP
SOROC TOOL#:	5150
PALLET O.D.:	44 X 54
PALLET I.D.:	43.13 X 53.13
SLEEVE O.D.:	42.75 X 52.75
SLEEVE I.D.:	41.38 X 51.38
PALLET WEIGHT:	21.4 LBS
SEATBELT RETRACTOR SET:	YES - ON THE LENGTH SIDES
	USES PART# ESTP1797-201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 18; 260 DIA
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL

NAME	DATE
DRAWN	M/DEC/09
DESIGN	
PATTERN	
PROJECT NAME	
MFG.	

SOROC PRODUCTS

CUSTOMER: SOROC PRODUCTS

DESCRIPTION: 44 X 54 SINGLE SHEET PALLET

SIZE DWG. NO. **B**

REV -

SCALE: 1:12 WEIGHT: SHEET 1 OF 1

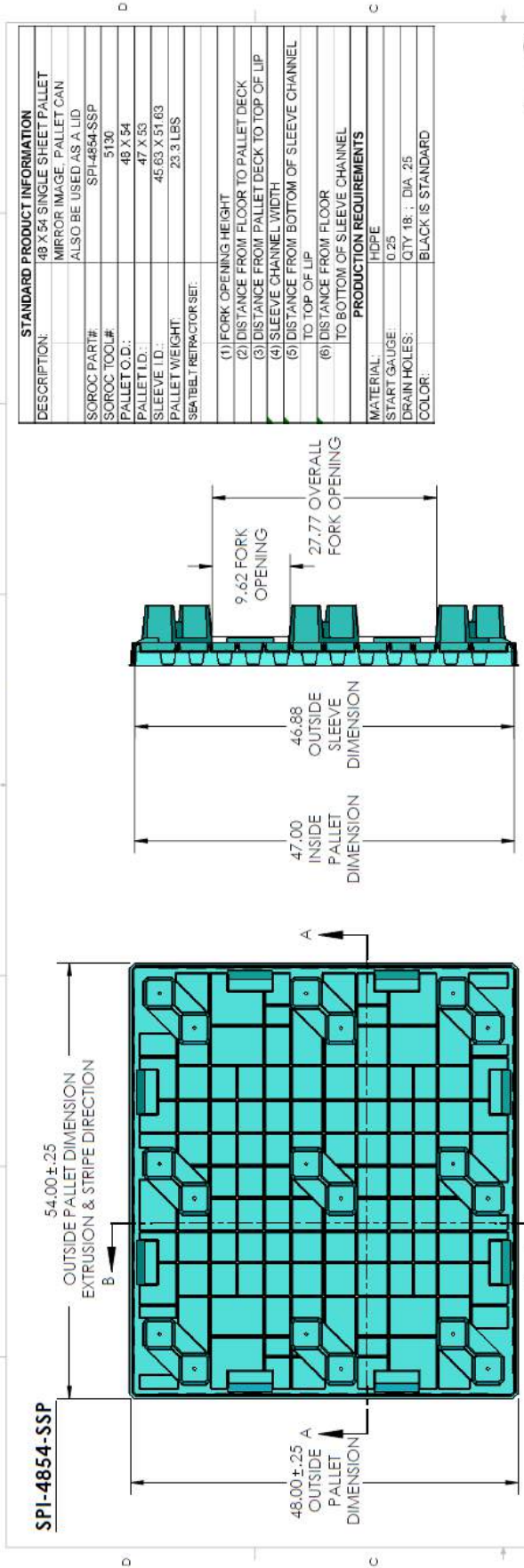
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NOTES

1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.



STANDARD PRODUCT INFORMATION

DESCRIPTION:	48 X 54 SINGLE SHEET PALLET MIRROR IMAGE - PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI-4854-SSP
SOROC TOOL#:	5130
PALLET O.D.:	48 X 54
PALLET I.D.:	47 X 53
SLEEVE I.D.:	45.63 X 51.63
PALLET WEIGHT:	23.3 LBS
SEATBELT/RETRACTOR SET:	
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY 18 ; DIA. .25
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL

NAME	DATE
M/DECKER	3/22/2010
DESIGN	
PATTERN	
PRODUCTION	
MFG.	

SOROC PRODUCTS

CUSTOMER: SOROC PRODUCTS

DESCRIPTION: 48 X 54 SINGLE SHEET PALLET

SIZE DWG. NO. **B**

SPI-4854-SSP

SCALE: 1:12 WEIGHT: SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

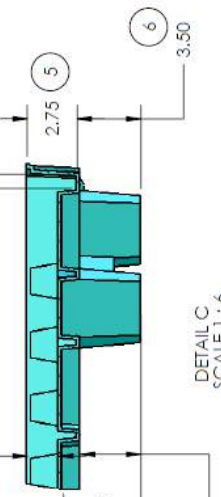
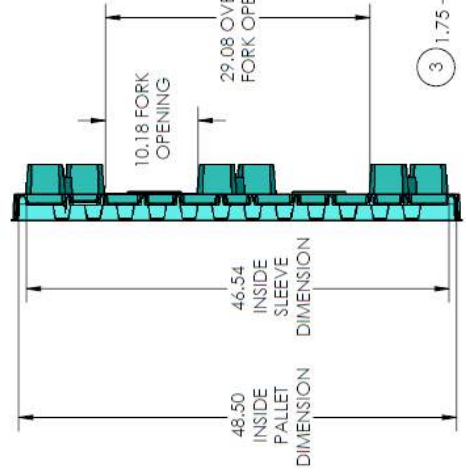
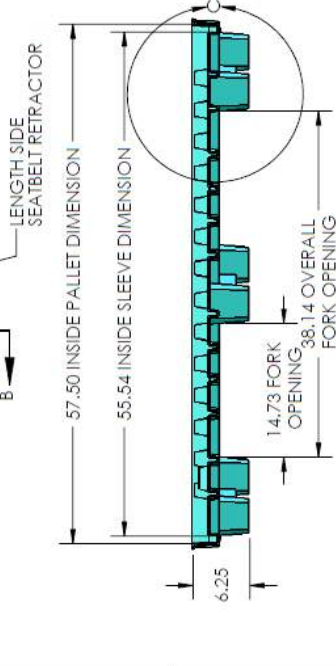
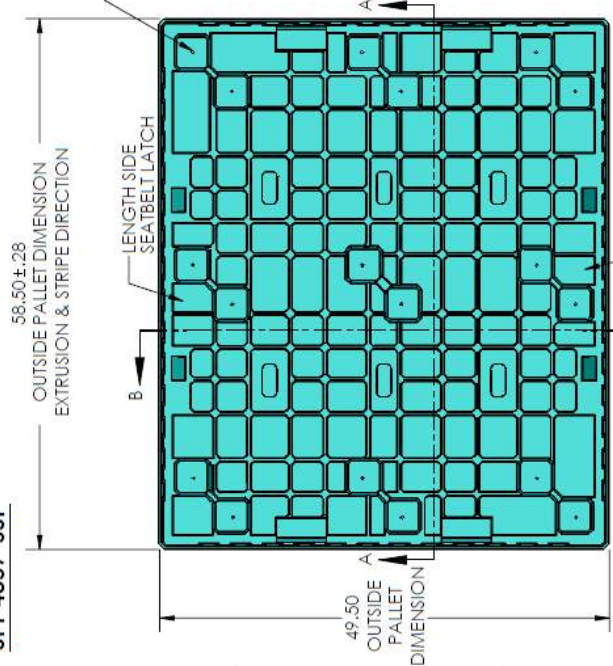
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THIS CONCEPT IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATION TO THIS CONCEPT MAY BE MADE TO PROVIDE ADEQUATE MFG. AND/OR IMPROVE FUNCTION DURING TOOL BUILD.

NOTES

1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.

SPI-4857-SSP



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	48 X 57 SINGLE SHEET PALLET MIRROR IMAGE, PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI-4857-SSP
SOROC TOOL#:	02190
PALLET O.D.:	49.5 X 58.5
SLEEVE O.D.:	48.5 X 57.5
SLEEVE I.D.:	48.11 X 57.12
PALLET WEIGHT:	24.6 LBS
SEATBELT RETRACTOR SET:	YES - ON THE LENGTH SIDES USES PART# ESTP1797-201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY 18 : 25 DIA
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL	
NAME	DATE
DRAWN	11/9/2009
DESIGN	
PATTERN	
PRODUCT NAME	
MFG.	

SOROC PRODUCTS
CUSTOMER: SOROC PRODUCTS

DESCRIPTION: 48 X 57 SINGLE SHEET PALLET

SIZE: DWG. NO. REV
B SPI-4857-SSP -

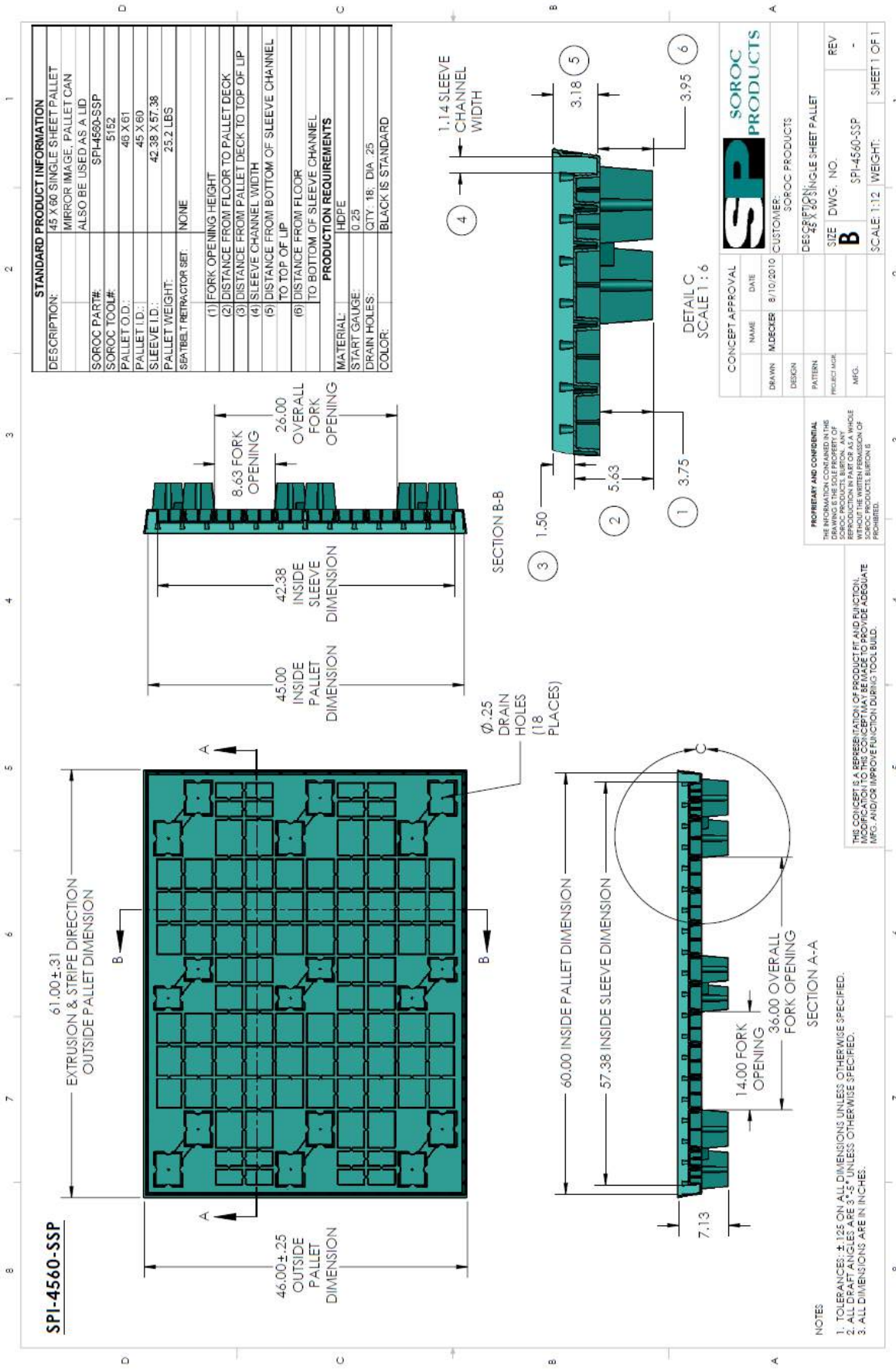
SCALE: 1:12 | WEIGHT: SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
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- NOTES
1. TOLERANCES: ± .125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

SPI-4560-SSP



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	45 X 60 SINGLE SHEET PALLET
	MIRROR IMAGE; PALLET CAN ALSO BE USED AS A LID
SOROC PART#:	SPI-4560-SSP
PALLET TOOL#:	5152
PALLET I.D.:	46 X 61
PALLET I.D.:	45 X 60
SLEEVE I.D.:	42.38 X 57.38
SEATBELT RETRACTOR SET:	NONE
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 18; DIA: .25
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL	
NAME	DATE
DRAWN	8/10/2010
DESIGN	
PATTERN	
PROJECT MGR	
MFG.	

CUSTOMER: SOROC PRODUCTS

DESCRIPTION: 45 X 60 SINGLE SHEET PALLET

SIZE DWG. NO. **B**

REV -

SCALE: 1:12 WEIGHT: SHEET 1 OF 1

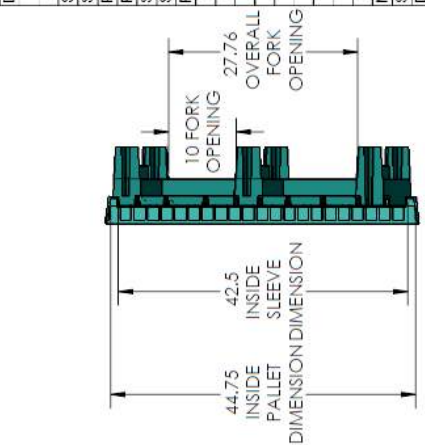
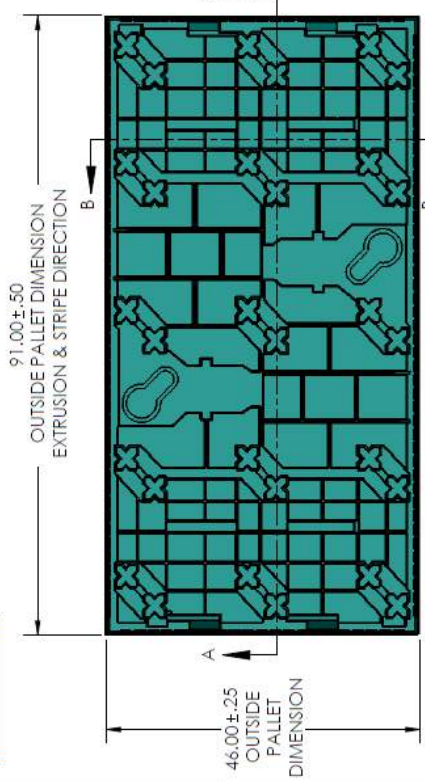
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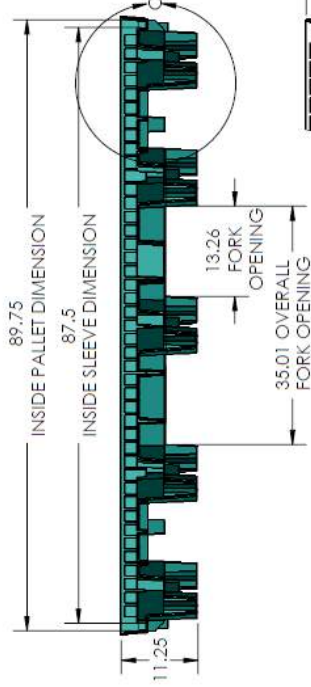
- NOTES**
1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3°-5° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

SPI-4590-SSP

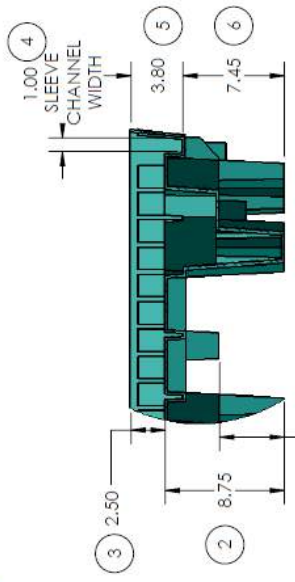


STANDARD PRODUCT INFORMATION	
DESCRIPTION:	45" X 90" SINGLE SHEET PALLET MIRROR IMAGE, PALLET CAN ALSO BE USED AS LID
SOROC PART#:	SPI-4590-SSP
SOROC TOOL#:	5136
PALLET O.D.:	46" X 91"
PALLET I.D.:	44.75" X 89.75"
SLEEVE O.D.:	44.5" X 89.5"
SLEEVE I.D.:	42.5" X 87.5"
PALLET WEIGHT:	37.6 LBS
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HOPE
START GAUGE:	0.25
DRAIN HOLES:	QTY: 30, SIZE: .25 DIA.
COLOR:	BLACK IS STANDARD

SECTION B-B



SECTION A-A



DETAIL C SCALE 1:8

CONCEPT APPROVAL	
NAME	
DATE	
DRAWN / CHECKER	1/4/2010
DESIGN	
PATTERN	
PROJECT MGR	
MFG.	

SOROC PRODUCTS
 SOROC PRODUCTS
 DESCRIPTION: SPI-4590-SSP SINGLE SHEET PALLET
 SIZE: B
 DWG. NO.: SPI-4590-SSP
 SCALE: 1:16 WEIGHT: SHEET 1 OF 1

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ANTI-JAM FEATURES PREVENT PALLETS FROM LOCKING TOGETHER DURING NEST

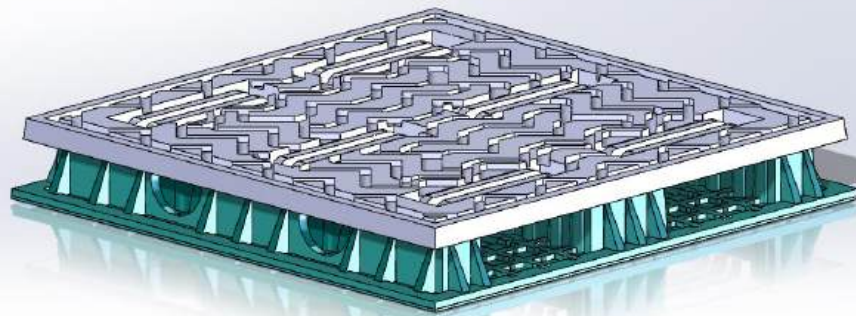
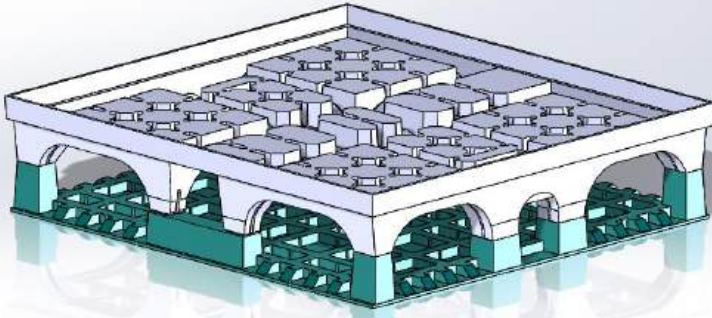
DETAIL D SCALE 1:12

THE CONCEPT IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATION TO THE CONCEPT MAY BE MADE TO PROVIDE ADEQUATE MFG. AND/OR IMPROVE FUNCTION DURING TOOL BUILD.

- NOTES
1. TOLERANCES: ± .125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

TWIN SHEET PALLETS

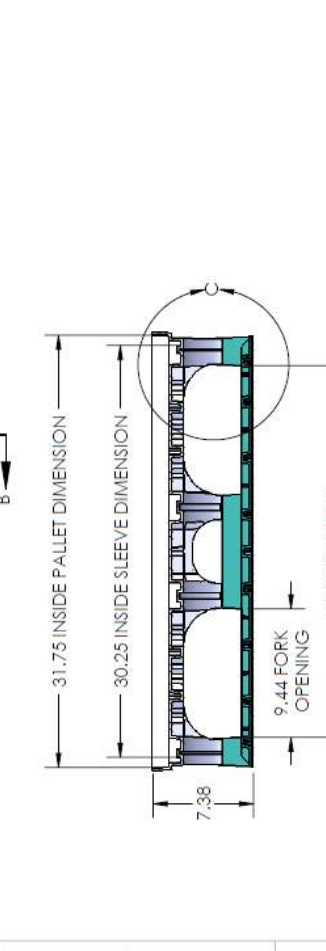
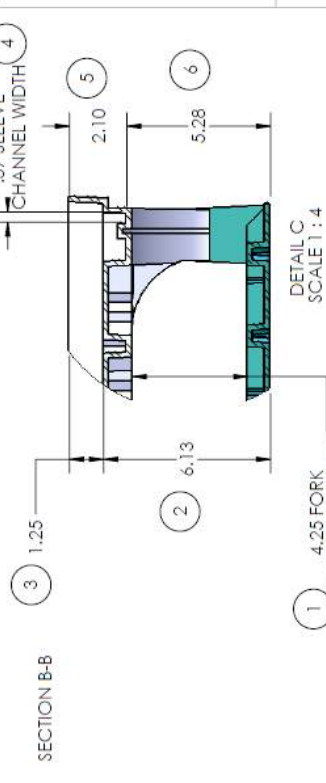
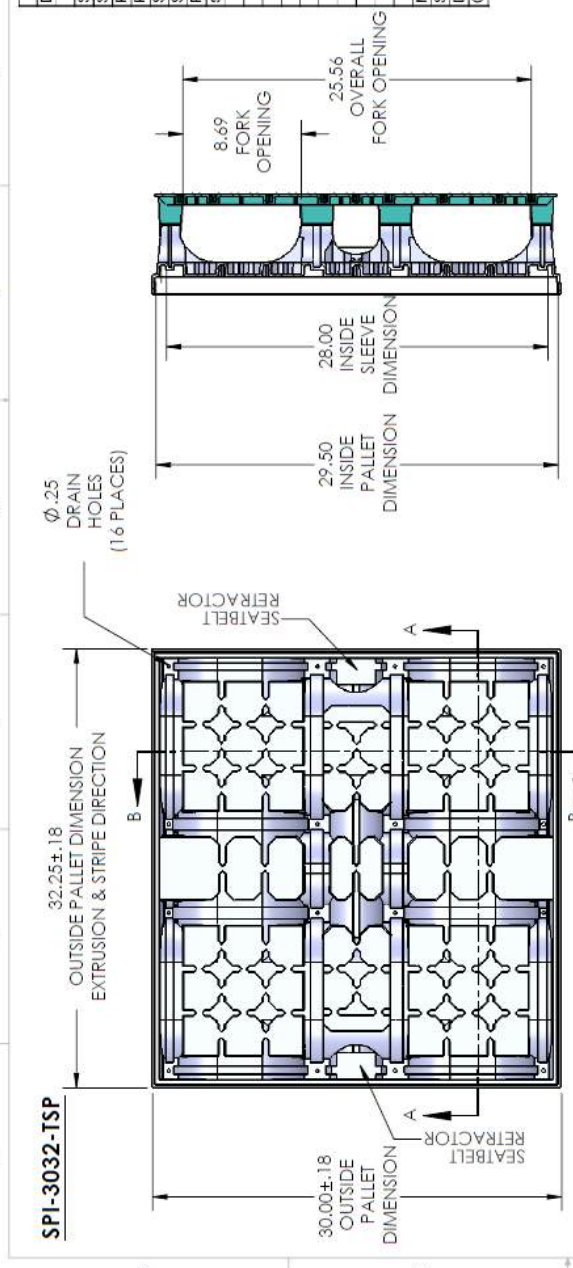
See PDF's on following pages



Twin Sheet Pallets

NAME	DESC.	DIM. OD	DIM. ID	LID	WEIGHT
SPI-3032-TSP	30 x 32	30 x 32.25	29.5 x 31.75	SPI-3032-SSL	16
SPI-3236-TSP	32 x 36	33.5 x 37.5	32.38 x 36.38	SPI-3236-SSL	18
SPI-4040-TSP	40 x 40	41.5 x 41.5	40 x 40	PALLET AS LID	24.8
SPI-4548-TSP	45 x 48	45 x 48	44.5 x 47.5	PALLET AS LID	31

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	30 X 32 TWIN SHEET PALLET USED WITH SPI-3032-SSL
SOROC PART#:	SPI-3032-TSP
SOROC TOOL#:	5101
PALLET I.D.:	30 X 32.25
PALLET O.D.:	29.5 X 31.75
SLEEVE I.D.:	28.75 X 31
SLEEVE O.D.:	28 X 30.25
PALLET WEIGHT:	16 LBS
SEATBELT RETRACTOR SET:	YES - ON THE WIDTH SIDES USES PART# ESTP1797-201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GALUGE:	200 / 200
DRAIN HOLES:	CITY: 16, 25 DIA
COLOR:	BLACK IS STANDARD



CONCEPT APPROVAL	
NAME	DATE
DRAWN / M/DECKER	11/11/2009
DESIGN	
PATTERN	
PROJECT NAME	
MFG.	

PROPRIETARY AND CONFIDENTIAL
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NOTES

1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DEPT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.

SOROC PRODUCTS

DESIGN: SPI-3032 TWIN SHEET PALLET

CUSTOMER: SOROC PRODUCTS

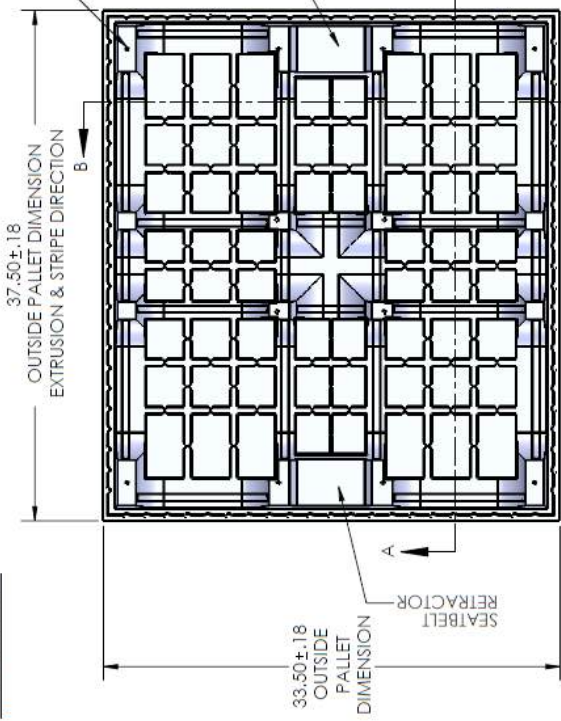
SIZE: DWG. NO. **B**

REV: -

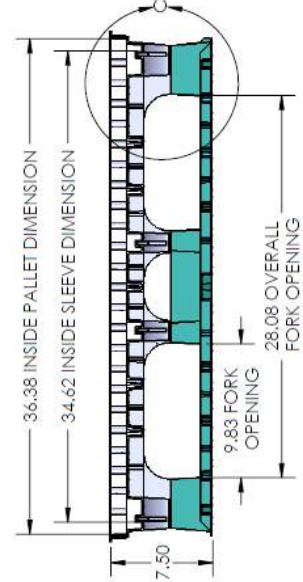
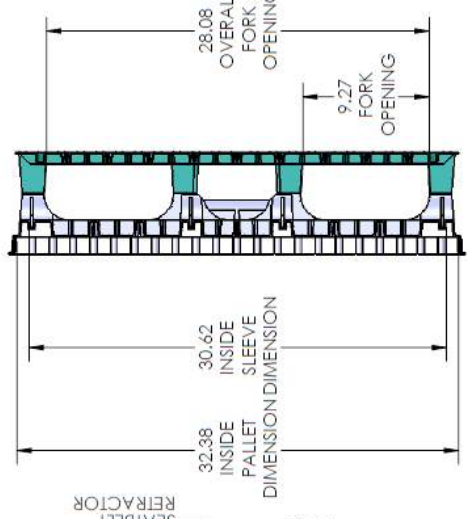
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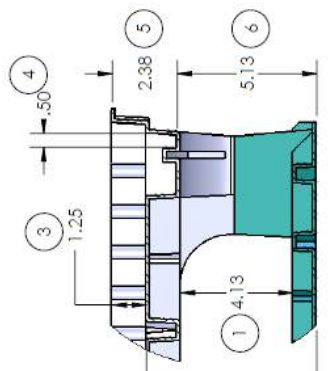
SPI-3236-TSP



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	32 X 36 TWIN SHEET PALLETT USED WITH SPI-3236-SSL
SOROC PART#: SOROC TOOL#:	SPI3236-TSP 5126
PALLETT O.D.:	33.5 X 37.5
PALLETT I.D.:	32.38 X 36.38
SLEEVE O.D.:	31.62 X 35.62
SLEEVE I.D.:	30.62 X 34.62
PALLETT WEIGHT:	18 LBS
SEATBELT REACTOR SET:	YES - ON THE WIDTH SIDES USES PART# EST175/201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLETT DECK	
(3) DISTANCE FROM PALLETT DECK TO TOP OF LIP	
(4) SLEEVE CHANNEL WIDTH	
(5) DISTANCE FROM BOTTOM OF SLEEVE CHANNEL TO TOP OF LIP	
(6) DISTANCE FROM FLOOR TO BOTTOM OF SLEEVE CHANNEL	
PRODUCTION REQUIREMENTS	
MATERIAL:	HOPE
START GAUGE:	200 / 200
DRAIN HOLES:	QTY: 16 / 25 DIA
COLOR:	BLACK IS STANDARD



DETAIL C
SCALE 1 : 4



CONCEPT APPROVAL		SOROC PRODUCTS	
NAME	DATE	CUSTOMER:	
		SOROC PRODUCTS	
DRAWN	DATE	DESCRIPTION:	
DESIGN		32 X 36 TWIN SHEET PALLETT	
PATTERN		SIZE	DWG. NO.
PROJECT MGR		B	SPI-3236-TSP
MFG.		SCALE	1:8
		WEIGHT:	
			SHEET 1 OF 1

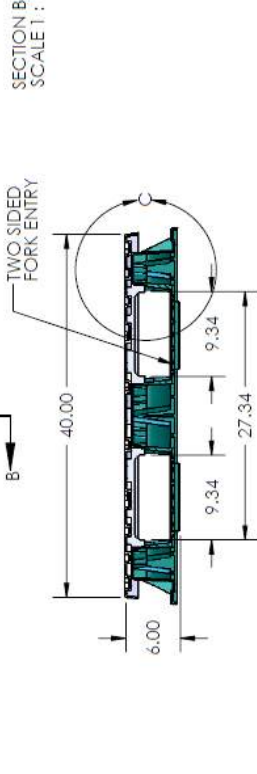
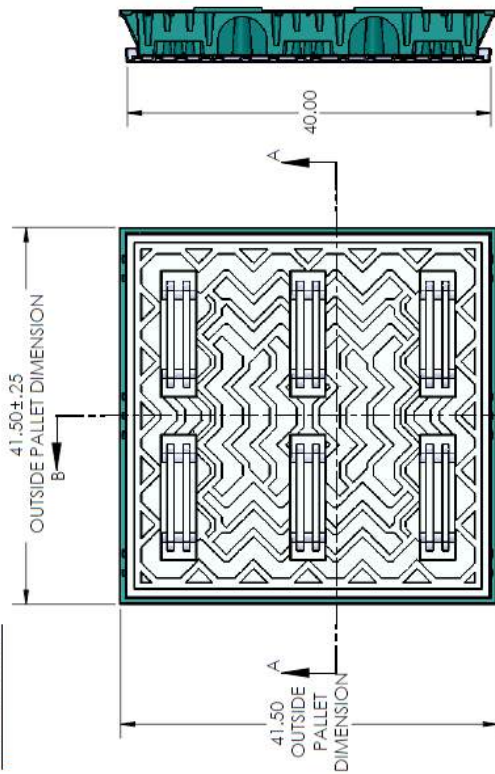
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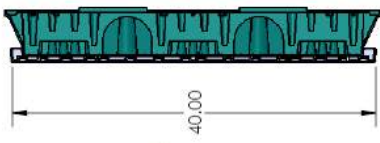
NOTES

1. TOLERANCES: ± 1/25 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.

SPI-4040-TSP

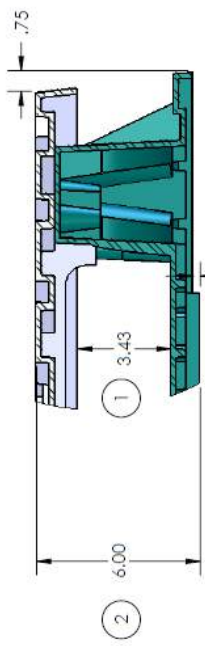


SECTION A-A
SCALE 1 : 12



SECTION B-B
SCALE 1 : 12

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	40X40 TWIN SHEET PALLET: NO LIP, NO SLEEVE CHANNEL, 2 SIDED FORK ENTRY
SOROC PART#:	SPI-4040-TSP
SOROC TOOL#:	5183
PALLET O.D.:	41.5 X 41.5
PALLET I.D.:	40 X 40
SLEEVE I.D.:	NO SLEEVE CHANNEL
PALLET WEIGHT:	24.8
SEATBELT RETRACTOR SET:	NONE
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	.200/.200
COLOR:	BLACK IS STANDARD



DETAIL C
SCALE 1 : 4

CONCEPT APPROVAL	
NAME	DATE
DRAWN	8/12/2010
DESIGN	
PATTERN	
PROJECT NO.	
MFG.	

SP SOROC PRODUCTS

DESCRIPTION: 40 X 40 TWIN SHEET PALLET

SIZE DWG. NO. B SPI-4040-TSP

SCALE: 1:8 WEIGHT: SHEET 1 OF 1

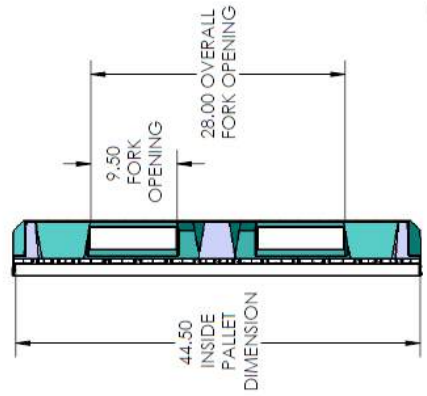
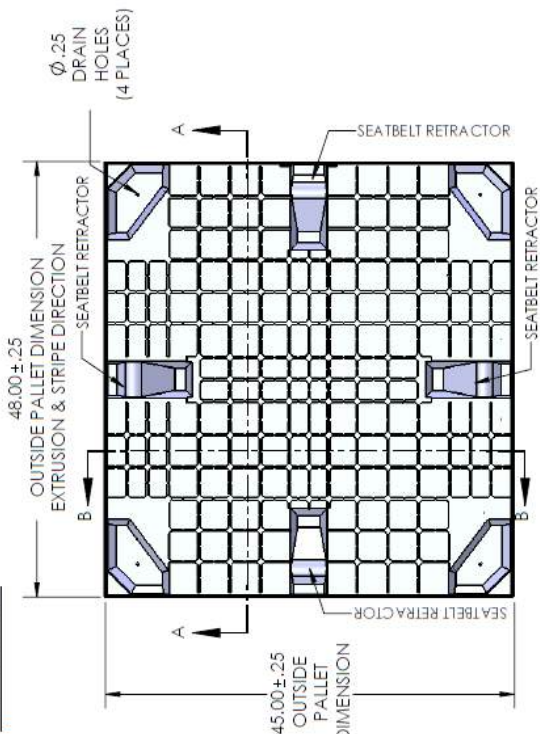
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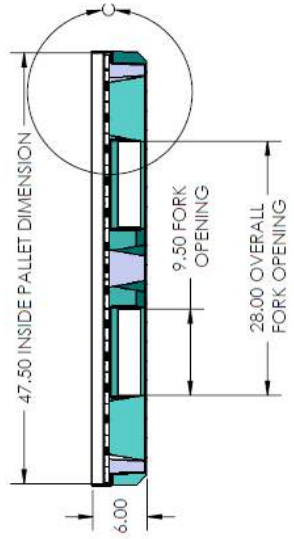
THIS CONCEPT IS A REPRESENTATION OF PRODUCT BY AND FUNCTION. MODIFICATION TO THIS CONCEPT MAY BE MADE TO PROVIDE ADEQUATE MFG. AND/OR IMPROVE FUNCTION DURING TOOL BUILD.

- NOTES
1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3°-5° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

SPI-4548-TSP

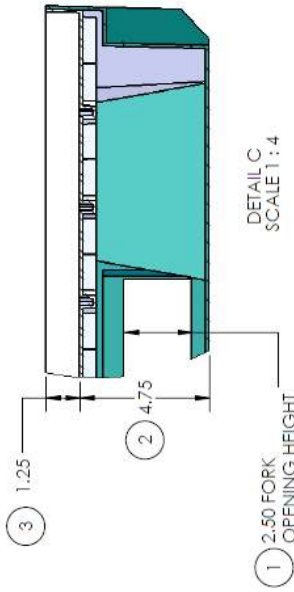


SECTION B-B



SECTION A-A

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	45 X 48 TWIN SHEET PALLET
SOROC PART#:	SPI-4548-TSP
SOROC TOOL#:	5004
PALLET O.D.:	45 X 48
PALLET I.D.:	44.50 X 47.50
SLEEVE I.D.:	NO SLEEVE CHANNEL
PALLET WEIGHT:	31 LBS.
SEATBELT RETRACTOR SET:	YES - ON ALL FOUR SIDES
	USES PART# ESTP1797-201
(1) FORK OPENING HEIGHT	
(2) DISTANCE FROM FLOOR TO PALLET DECK	
(3) DISTANCE FROM PALLET DECK TO TOP OF LIP	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GRADE:	2007/200
DRAIN HOLES:	QTY: 4; .25 DIA
COLOR:	BLACK IS STANDARD



DETAIL C
SCALE 1:4

CONCEPT APPROVAL	
NAME	DATE
DESIGNER	8/12/2010
DESIGN	SOROC PRODUCTS
PATTERN	
PROJECT MGR	
MFG.	

SP SOROC PRODUCTS

DESCRIPTION: 45 X 48 TWIN SHEET PALLET

SIZE: DWG. NO. B

SCALE: 1:12 | WEIGHT: SHEET 1 OF 1

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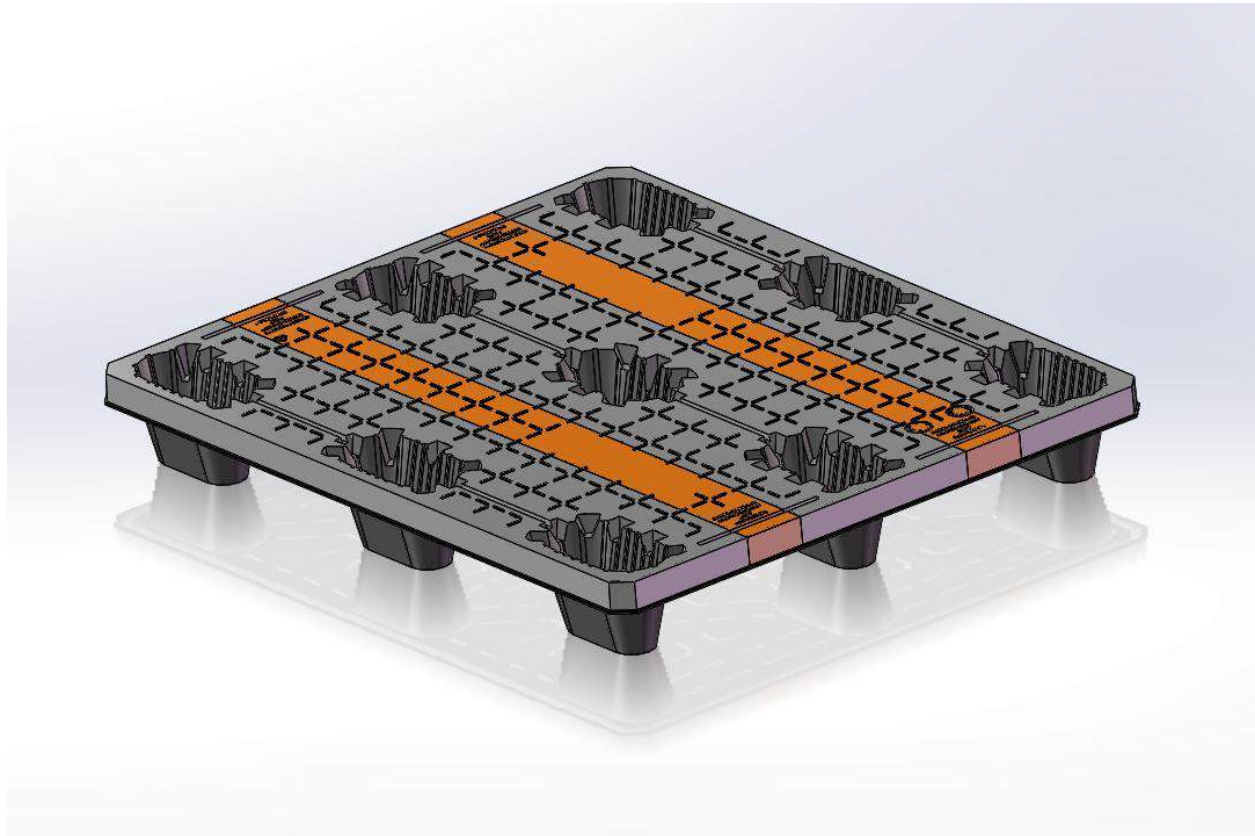
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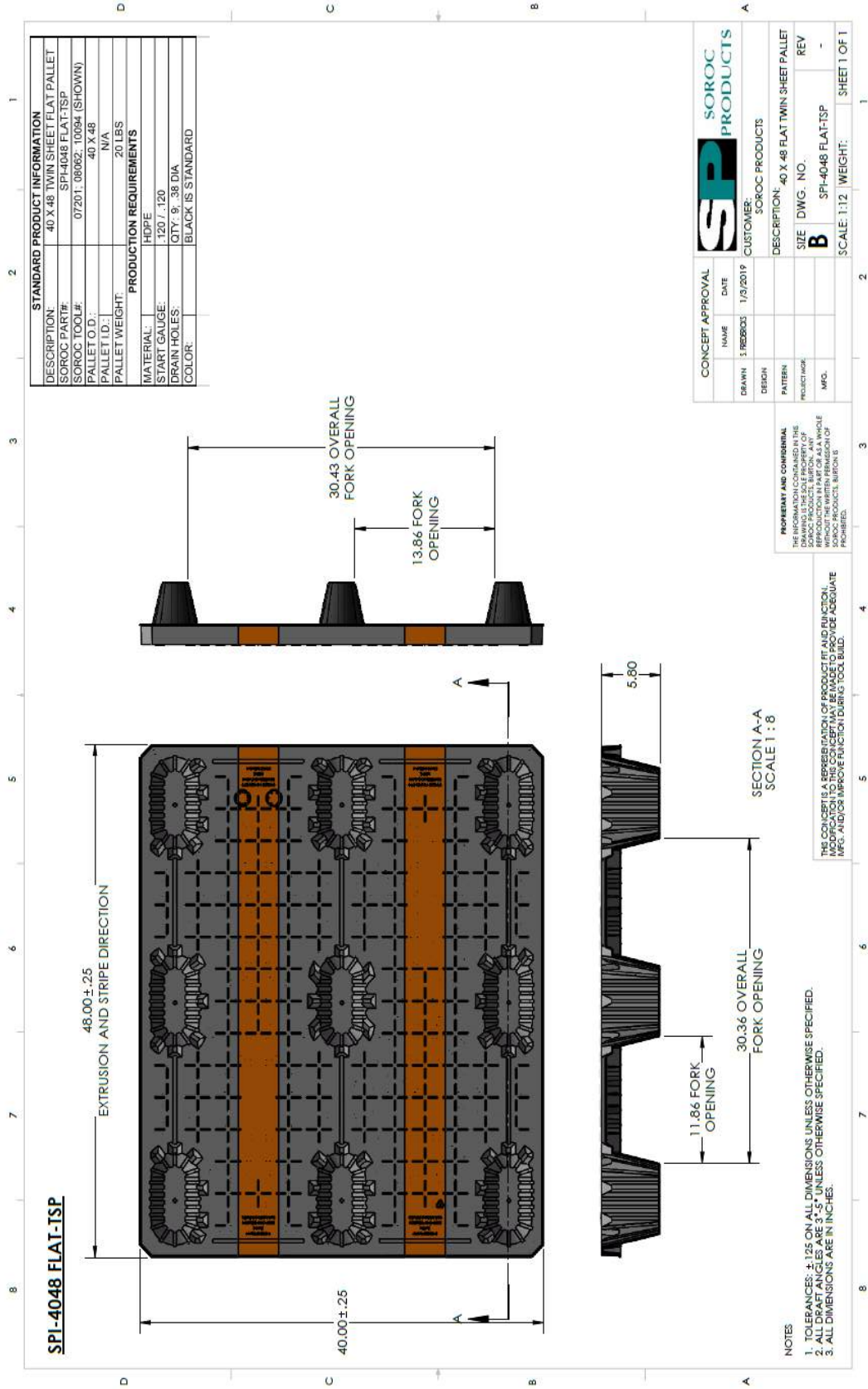
TWIN SHEET FLAT PALLET

See PDF on following page



Twin Sheet Flat Pallet					
NAME	DESC.	DIM. OD	DIM. ID	LID	WEIGHT
SPI-4048 FLAT-TSP	40 X 48	40.0 X 48.0	N/A	NONE	20

SPI-4048 FLAT-TSP



STANDARD PRODUCT INFORMATION

DESCRIPTION:	40 X 48 TWIN SHEET FLAT PALLET
SOROC PART#:	SPI-4048 FLAT-TSP
SOROC TOOL#:	07201, 08062, 10094 (SHOWN)
PALLET O.D.:	40 X 48
PALLET I.D.:	N/A
PALLET WEIGHT:	20 LBS
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	120 / 120
DRAIN HOLES:	QTY: 9; 38 DIA
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL	SOROC PRODUCTS	
NAME	DATE	CUSTOMER
DESIGN	1/9/2019	SOROC PRODUCTS
DRAWN	S. REEBOS	DESCRIPTION: 40 X 48 FLAT TWIN SHEET PALLET
REVISION		SIZE DWG. NO.
PATTERN		B SPI-4048 FLAT-TSP
PROJECT NO.		REV
MFG.		-
		SCALE: 1:12 WEIGHT:
		SHEET 1 OF 1

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SECTION A-A
 SCALE 1:8

NOTES:

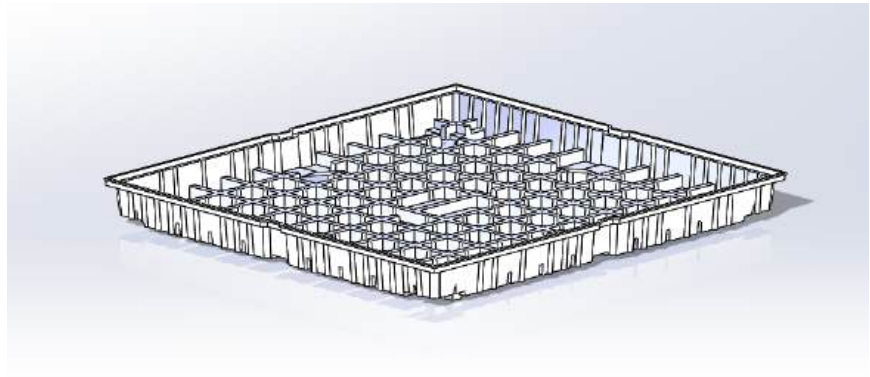
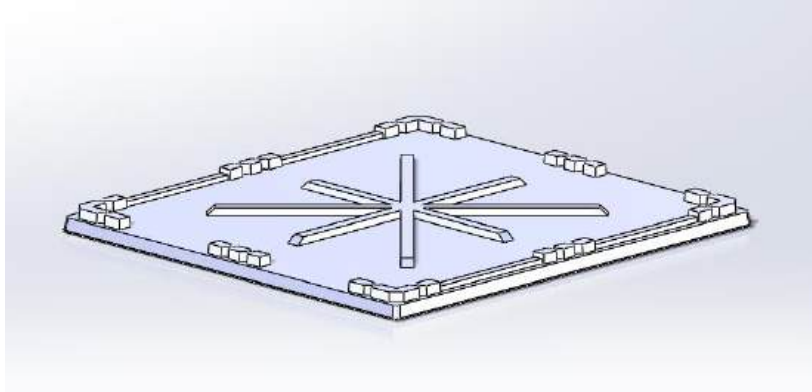
1. TOLERANCES: ± .125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE IN INCHES.

LIDS (ALL)

Product	Description	Seatbelt
SPI-3032-SSL	30 x 32	(2) On Width Sides
SPI-3236-SSL	32 x 36	(2) On Width Sides
SPI-4548-SSL	45 x 48	NO
SPI-2864-SSL	28 x 64	NO
SOL-4548-SSL	45 x 48	NO

SINGLE SHEET LIDS

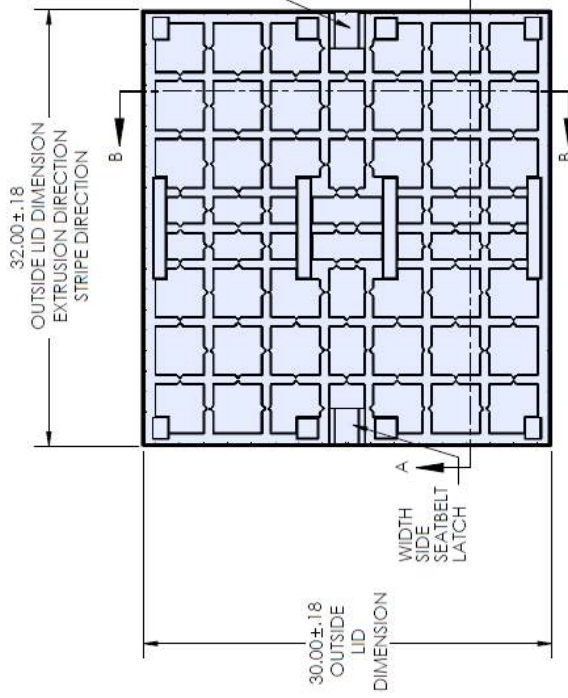
See PDF's on following pages



Single Sheet Lids

NAME	DESC.	DIM. OD	DIM. ID	PALLET	WEIGHT
SPI-3032-SSL	30 x 32	30 x 32	29.5 x 31.5	SPI-3032-TSP	6.2
SPI-3236-SSL	32 x 36	33 x 37	32.5 x 36.5	SPI-3236-TSP	7.5
SPI-4548-SSL	45 x 48	45.5 x 48.5	44.75 x 47.75	N/A	14.3
SPI-2864-SSL	28 x 64	28.5 x 64.5	28 x 64	SPI-2864-SSP	16.9
SOL-4548-SSL	45 x 48	47 x 50	45 x 48	SPI-4548-SSP	15.2

SPI-3032-SSL

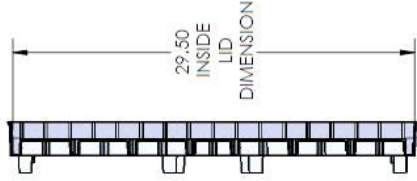


32.00 ± .18
OUTSIDE LID DIMENSION
EXTRUSION DIRECTION
STRIPE DIRECTION

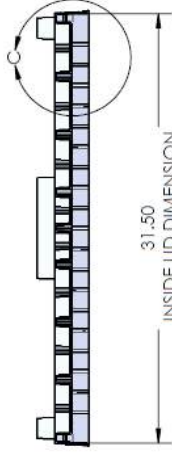
30.00 ± .18
OUTSIDE
LID
DIMENSION

WIDTH
SIDE
SEATBELT
LATCH

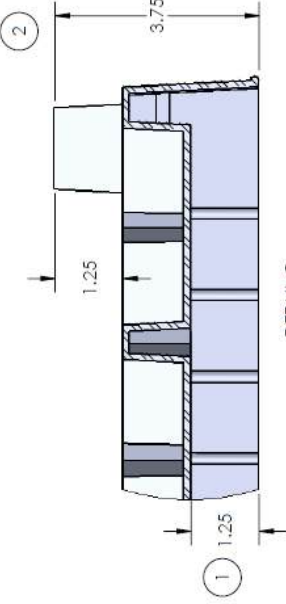
WIDTH
SIDE
SEATBELT
LATCH



SECTION B-B



SECTION A-A



DETAIL C
SCALE 1:2

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	30 X 32 SINGLE SHEET LID USED WITH SPI-3032-TSP
SOROC PART#:	SPI-3032-SSL
SOROC TOOL#:	5103
LID O.D.:	30 X 32
LID I.D.:	29.5 X 31.5
PALLET WEIGHT:	6.2 LBS
SEATBELT RETRACTOR SET:	YES - ON THE WIDTH SIDES USES PART# ESTP1797-201
(1) INSIDE DEPTH DIMENSION	
(2) OVERALL LID HEIGHT	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.18
COLOR:	BLACK IS STANDARD

CONCEPT APPROVAL	
NAME	DATE
DRAWN	11/10/2009
DESIGN	DESIGNER
PATTERN	CUSTOMER: SOROC PRODUCTS
PROJECT MGR	DESCRIPTION: SINGLE SHEET LID
MFG.	SIZE DWG. NO.
	B
	REV
	-
	SCALE: 1:8
	WEIGHT:
	SHEET 1 OF 1

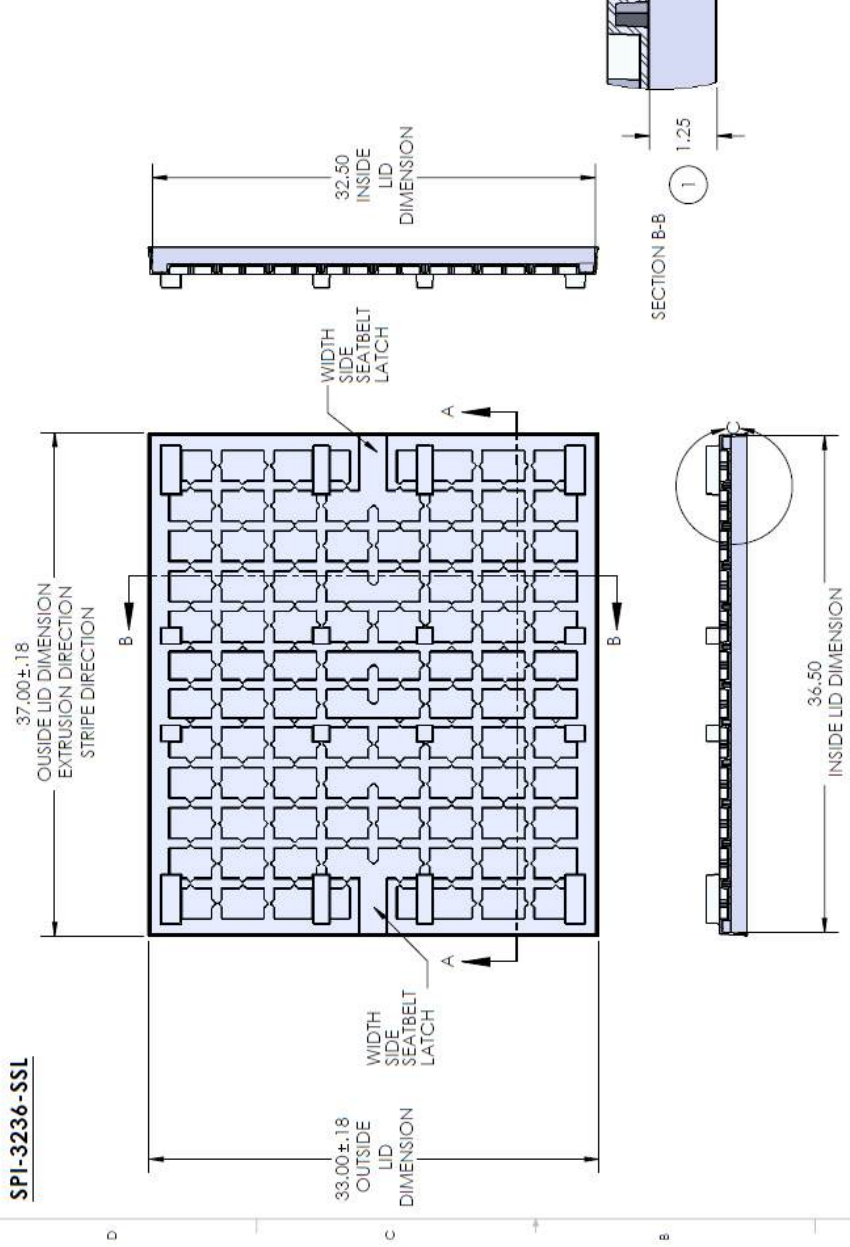
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THIS CONCEPT IS A REPRESENTATION OF PRODUCT LID PRODUCTION. THE CONCEPT IS NOT A REPRESENTATION OF A FINAL PART. ANY REPRODUCTION OF THIS CONCEPT FOR MANUFACTURING OR IMPROVEMENT DURING TOOL BUILD.

- NOTES
1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 5° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

SPI-3236-SSL

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	32" X 36" SINGLE SHEET LID USED WITH SPI3236-TSP
SOROC PART#:	SPH-3236-SSL
SOROC TOOL#:	5129
LID O.D.:	33 X 37
LID I.D.:	32.5 X 36.5
PALETT WEIGHT:	7.5 LBS
SEATBELT RETRACTOR SET:	YES - ON THE WIDTH SIDES USES PART# ESTP-1797-201
(1) INSIDE DEPTH DIMENSION	
(2) OVERALL LID HEIGHT	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPPE
START GAUGE:	0.1B
COLOR:	BLACK IS STANDARD



CONCEPT APPROVAL	
NAME	DATE
DESIGNER	11/10/2009
DESIGN	CUSTOMER: SOROC PRODUCTS
PATTERN	DESCRIPTION: 32" X 36" SINGLE SHEET LID
PROJECT NAME	SIZE DWG. NO. B
MRG.	REV -
	SCALE: 1:8 WEIGHT: SHEET 1 OF 1

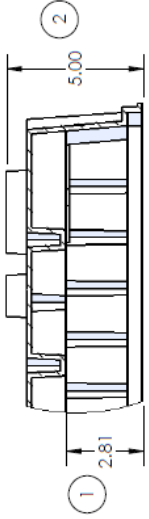
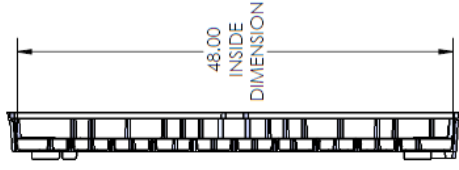
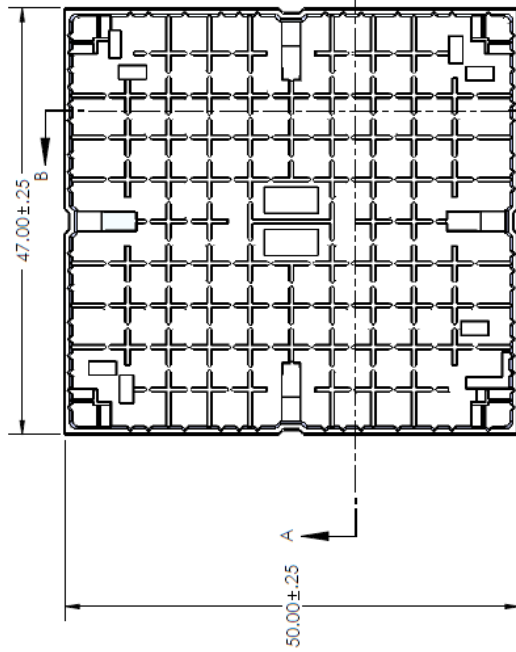
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 3. ALL DIMENSIONS ARE IN INCHES.

SOL-4548-SSL

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	45 X 48 SINGLE SHEET LID USED WITH SP-4548-SSP
SOROC PART#:	SOL-4548-SSL
SOROC TOOL#:	5121
LID O.D.:	47 X 50
LID I.D.:	45 X 48
PALLET WEIGHT:	15.2 LBS
(1) INSIDE DEPTH DIMENSION	
(2) OVERALL LID HEIGHT	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.18
COLOR:	BLACK IS STANDARD



DETAIL P
SCALE 1 : 4

SECTION B-B

SECTION A-A
45.00 INSIDE DIMENSION

- NOTES
1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3°-5° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

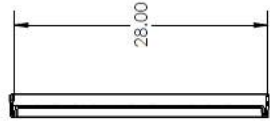
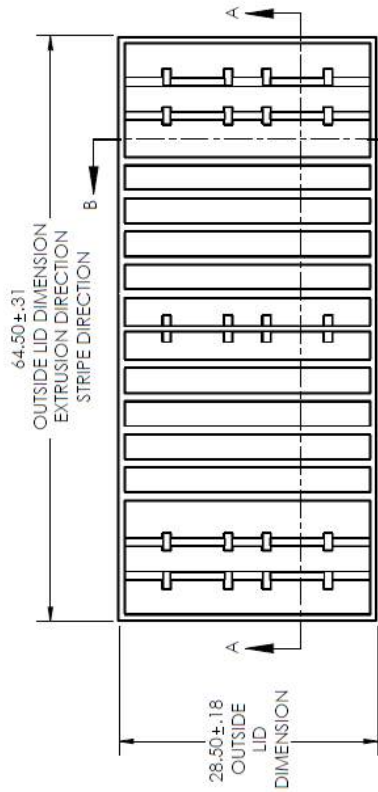
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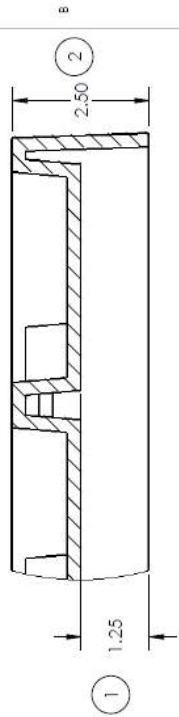
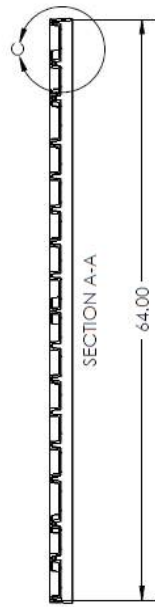
CONCEPT APPROVAL	
NAME	DATE
DRAWN: M. DECKER	4/20/2011
DESIGN	
PATTERN	
PRODUCT MGR.	
CUSTOMER:	SOROC PRODUCTS
DESCRIPTION:	45 X 48 SINGLE SHEET LID
SIZE	DWG. NO.
B	SOL-4548-SSL
SCALE	1:12
WEIGHT:	
SHEET 1 OF 1	



SPI-2864-SSL



SECTION B-B



STANDARD PRODUCT INFORMATION	
DESCRIPTION:	28 X 64 SINGLE SHEET LID USED WITH SPI-2864-SSP
SOROC PART#:	SPI-2864-SSL
SOROC TOOL#:	5006
PALLET I.D.:	28.5 X 64.5
PALLET WEIGHT:	16.8 LBS
(1) INSIDE DEPTH DIMENSION	
(2) OVERALL LID HEIGHT	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.18
COLOR:	BLACK IS STANDARD

DETAIL C
SCALE 1:2

CONCEPT APPROVAL		DATE	
NAME		DATE	
DRAWN	M/DECKER	11/10/2009	
DESIGN			
PATTERN			
PROJECT MGR			
MFG.			

SP SOROC PRODUCTS

CUSTOMER: SOROC PRODUCTS

DESCRIPTION: 28 X 64 SINGLE SHEET PALLET

SIZE DWG. NO. **B** SPI-2864-SSL

REV -

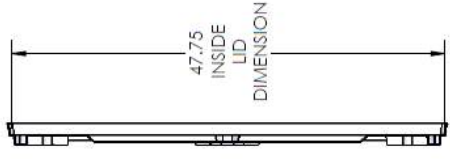
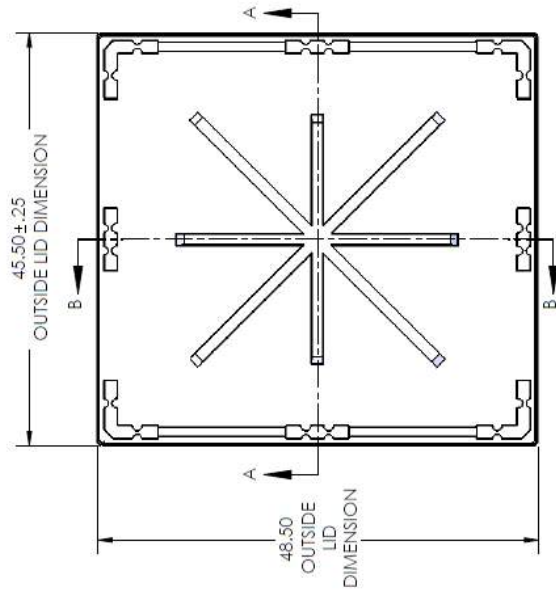
SCALE: 1:12 WEIGHT: SHEET 1 OF 1

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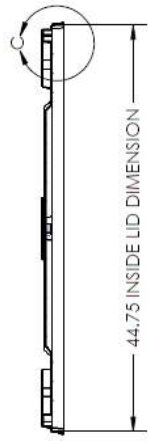
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- NOTES
1. TOLERANCES: ±.125 ON ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
 2. ALL DRAFT ANGLES ARE 3° UNLESS OTHERWISE SPECIFIED.
 3. ALL DIMENSIONS ARE IN INCHES.

SPI-4548-SSL

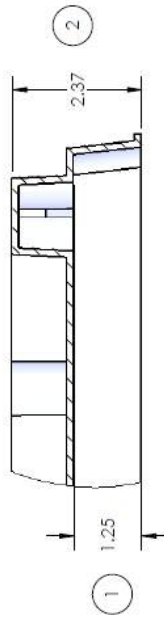


SECTION B-B



SECTION A-A

STANDARD PRODUCT INFORMATION	
DESCRIPTION:	45 X 48 SINGLE SHEET LID
SOROC PART#:	SPI-4548-SSL
SOROC TOOL#:	5106
PALLET O.D.:	45.5 X 48.5
PALLET I.D.:	44.75 X 47.75
PALLET WEIGHT:	14.3 LBS
(1) INSIDE DEPTH DIMENSION	
(2) OVERALL LID HEIGHT	
PRODUCTION REQUIREMENTS	
MATERIAL:	HDPE
START GAUGE:	0.18
COLOR:	BLACK IS STANDARD



DETAIL C
SCALE 1 : 2

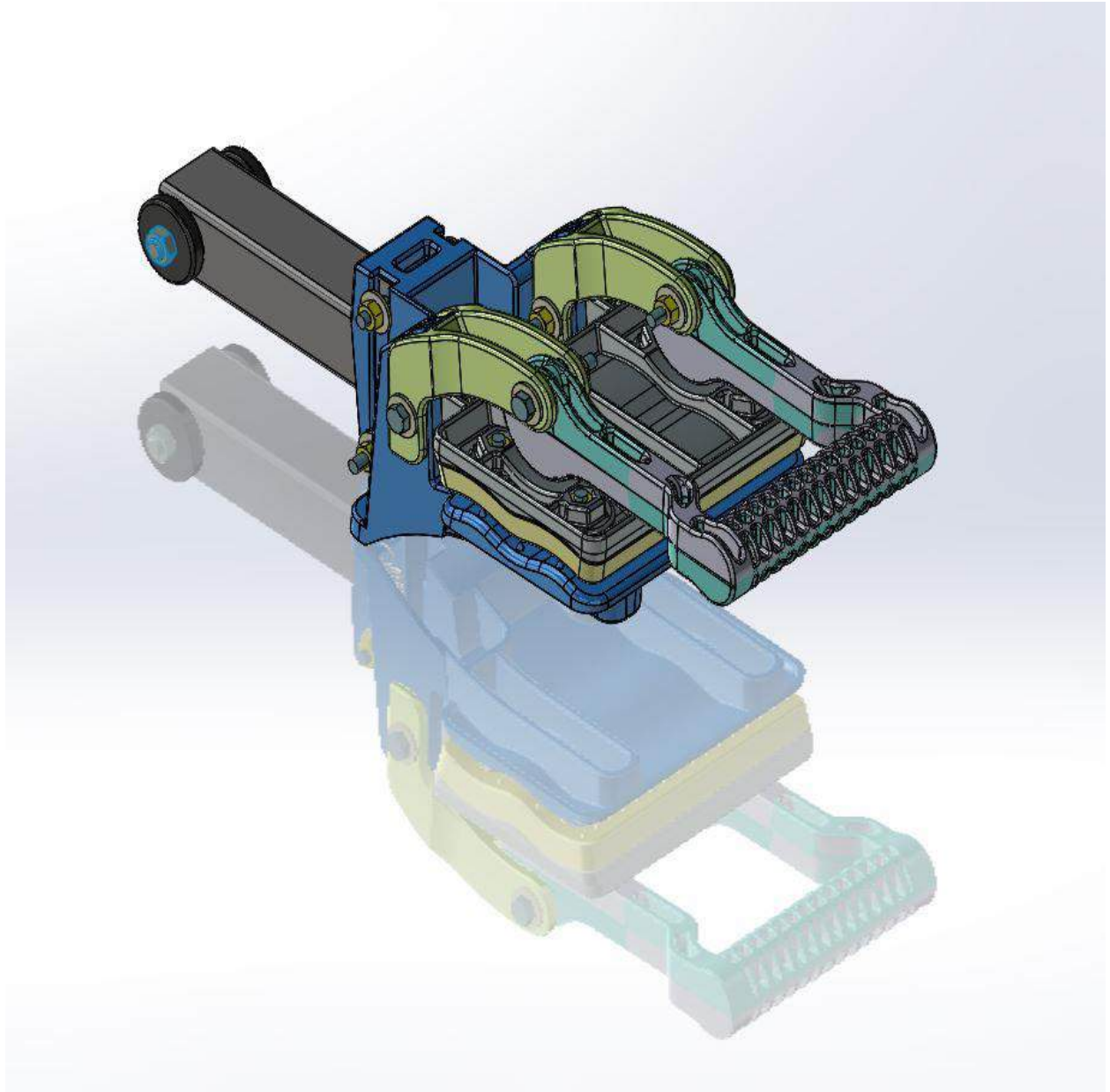
CONCEPT APPROVAL		SOROC PRODUCTS	
NAME	DATE	DESIGNER	DATE
BRANN	11/11/2009	MUEGLER	11/11/2009
DESIGN		CUSTOMER:	SOROC PRODUCTS
PATTERN		DESCRIPTION:	45 X 48 SINGLE SHEET LID
PRODUCTION		SIZE	DWG. NO.
MPG.		B	SPI-4548-SSL
		SCALE:	1:12
		WEIGHT:	SHEET 1 OF 1

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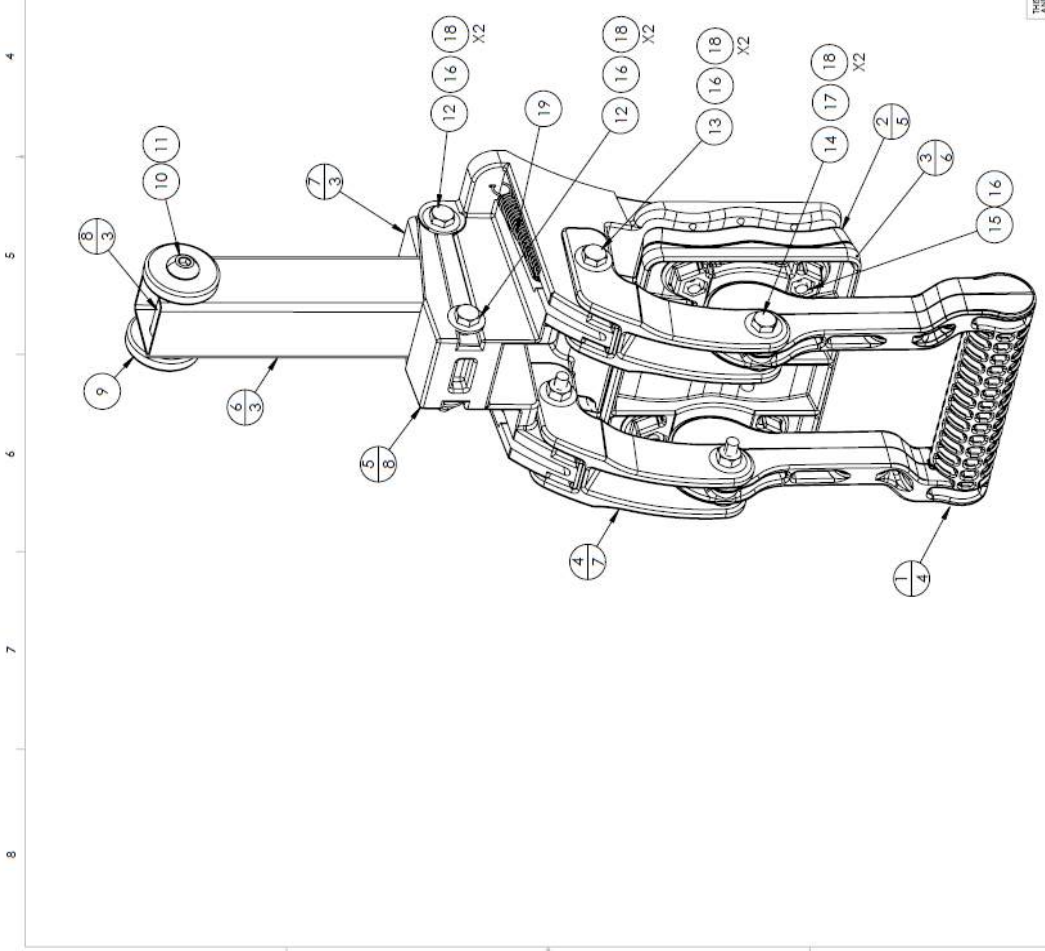
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CARPET CLAMP



DET.	QTY.	SHT.	DESCRIPTION
1	1	1,2,4	CLAMP HANDLE
2	1	1,2,5	CLAMP JAW PAD
3	1	1,2,6	CLAMP JAW BASE
4	2	1,2,7	CLAMP SWING ARM
5	1	1,2,8	CLAMP MAIN BODY
6	1	1,2,3	1.50 SQ. X .186 (0.065) X 5.50 LG. - STL. TUBING (ZINC PLATED)
7	1	1,2,3	1.6ga. (.061) X DEV. WIDTH X 3.63 LG. - H.R.S. (ZINC PLATED)
8	1	1,2,3	.625 OD X .120 W/T X .385 ID X 1.56 LG. - RD MECH TUBING (ZINC PLATED)
9	2	1,2	CB-06245.5-95UR BEARING - FAIRPLANE PRODUCTS
10	1	1,2	3/8-16 X 2.50 LG. - BUTTON HEAD HEX DRIVE SCREW (ZINC PLATED)
11	1	1,2	3/8-16 BI - LOCK JAW NUT
12	2	1,2	1/4-20 X 2.50 LG. - GRADE 5 HEX HEAD CAP SCREW
13	2	1,2	1/4-20 X 2.0 LG. - GRADE 5 HEX HEAD CAP SCREW
14	2	1,2	1/4-20 X 1.50 LG. - GRADE 5 HEX HEAD CAP SCREW W/ LOCK PATCH
15	4	1,2	1/4-20 X .63 LG. - GRADE 5 HEX HEAD CAP SCREW
16	8	1,2	1/4-20 GRADE 8 BI LOCK 2 - WAY NUT
17	2	1,2	1/4-20 GRADE 8 ACORN NUT
18	12	1,2	1/4 DIA. SAE FLAT WASHER
19	2	1,2	CENTURY SPRING - # 2309 (OR EQUIV.)



UNCONTROLLED WHEN PRINTED OR IN PDF FORM

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SOROC PRODUCTS. IT IS TO BE USED FOR THE REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SOROC PRODUCTS IS PROHIBITED.

SOROC PRODUCTS

CUSTOMER: _____

DATE: 11/2/2018

DESCRIPTION: CARPET CLAMP ASSEMBLY

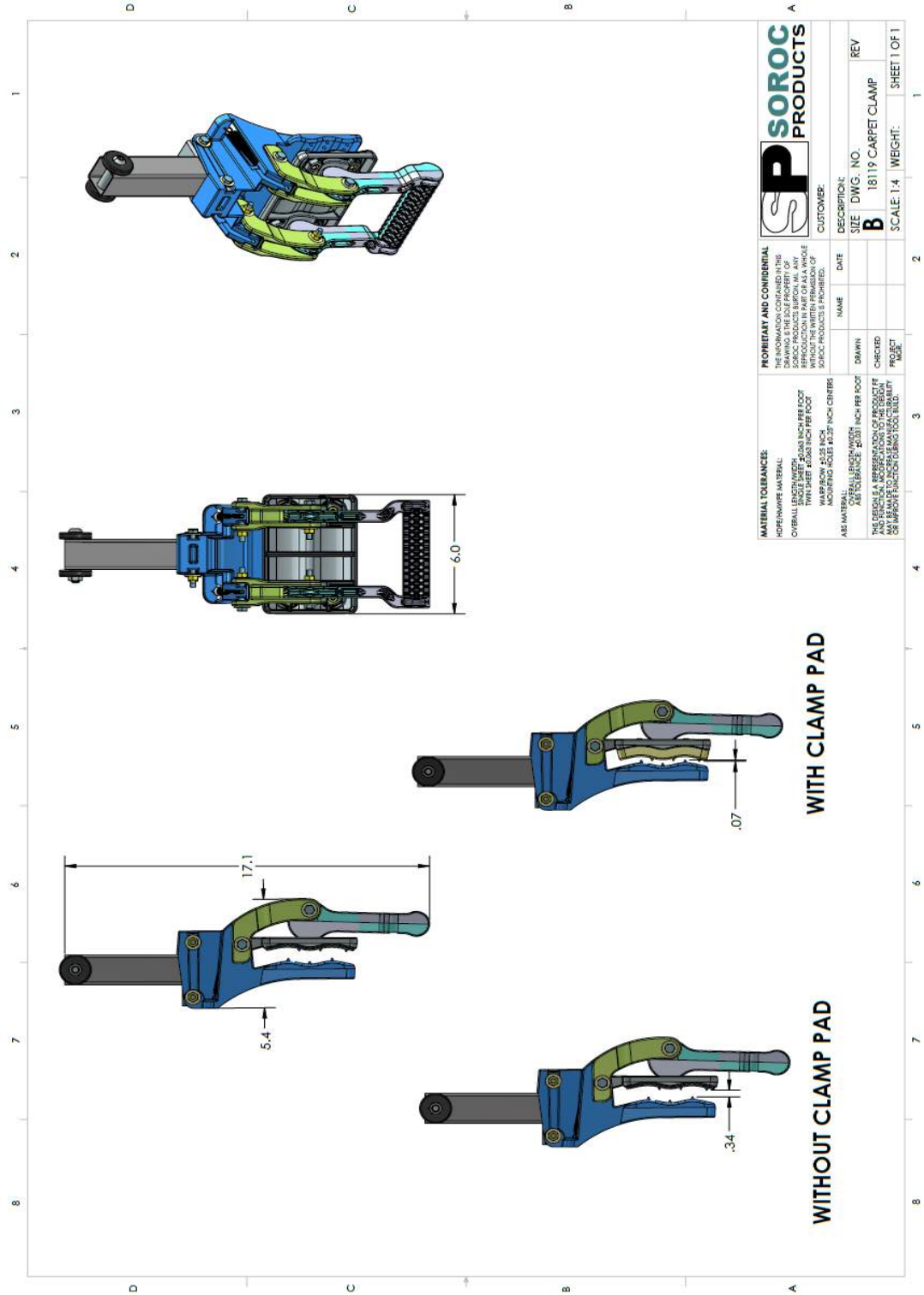
REV: _____

SIZE: DWG. NO. **B**

PROJECT: CARPET CLAMP ASSEMBLY

SCALE: 1:2 WEIGHT: _____ SHEET 1 OF 8

THE DESIGN, APPROVED BY PRODUCT AND ENGINEER, AND REVISED TO THE BEST OF OUR KNOWLEDGE, DOES NOT REPRESENT AN IMPROVED DESIGN OR A BETTER PRODUCT.



<p>PROPRIETARY AND CONFIDENTIAL THIS DRAWING IS THE PROPERTY OF SOROC PRODUCTS BUREAU, M.L. AND SHALL BE KEPT IN CONFIDENCE AND NOT REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF SOROC PRODUCTS BUREAU.</p>		<p>SOROC PRODUCTS</p>	
<p>MATERIAL TOLERANCE: SUPERFINE MATERIAL: OVERALL LENGTH: .005 INCH PER FOOT OVERALL WIDTH: .005 INCH PER FOOT TWIN SHEET: .005 INCH PER FOOT MONOPRO: .005 INCH PER FOOT</p>		<p>DESCRIPTION: SIZE DWG. NO. REV B 18119 CARPET CLAMP</p>	
<p>ALSO MATERIAL: OVERALL LENGTH: .005 INCH PER FOOT OVERALL WIDTH: .005 INCH PER FOOT TWIN SHEET: .005 INCH PER FOOT MONOPRO: .005 INCH PER FOOT</p>		<p>CUSTOMER: NAME DATE DRAWN CHECKED PROJECT</p>	
<p>THIS DRAWING IS THE PROPERTY OF SOROC PRODUCTS BUREAU AND SHALL BE KEPT IN CONFIDENCE AND NOT REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF SOROC PRODUCTS BUREAU.</p>		<p>SCALE: 1:4 WEIGHT: SHEET 1 OF 1</p>	



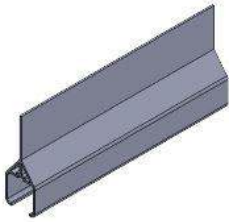
ENTERPRISES

— INCORPORATED —

EST. 1977

"SNAP ON" RETAINERS

Page 1



CD - 075



CD - 150



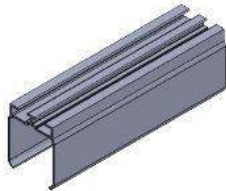
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CD - 152



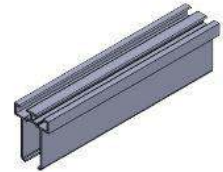
CD - 155



CD - 156



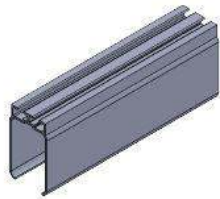
CD - 157



CD - 158



CD-159



CD-160



CD-161



CD-162

"SNAP ON" RETAINERS

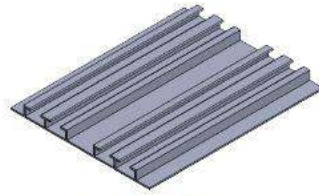
Page 2



CD-163



CD-165



CD-168



CD-169



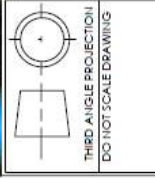
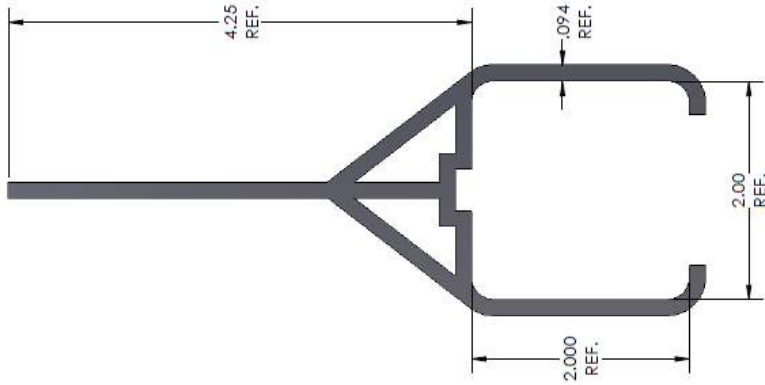
CD-170



CD-171

1 2 3 4 5 6 7 8

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



1929 NORTH OPDYKE
 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

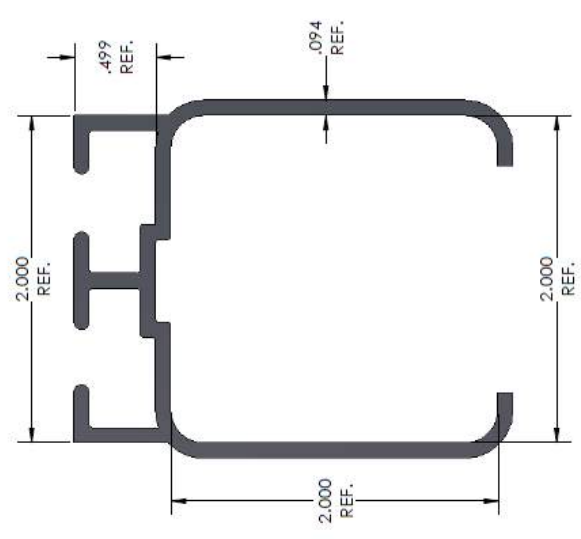
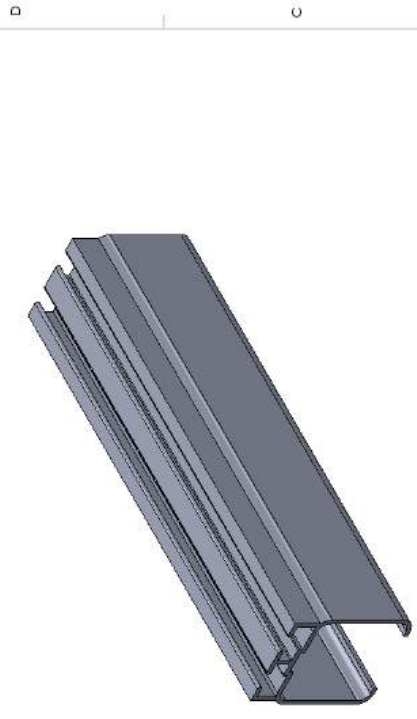
SNAP ON DUNNAGE
 2.00 SQ. TUBING

C&D#: CD-075

DATE: 4/27//2016

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

REVISIONS		
REV.	DESCRIPTION	DATE
1	APPROVED	



NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
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 OR FABRICATED MATERIALS.



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 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 2.00 SQ. TUBING

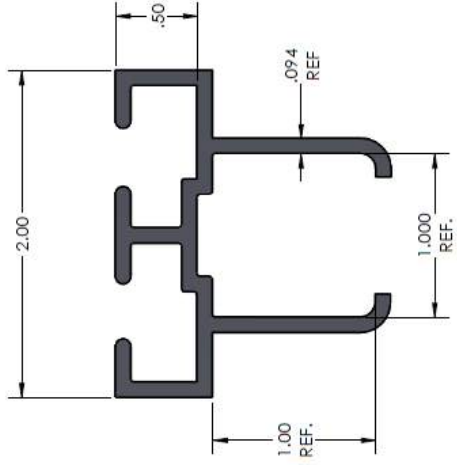
C&D#: CD-150
DATE: 4/27/2016



THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

1 2 3 4 5 6 7 8

REV.	DESCRIPTION	DATE	APPROVED



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 48326-2664
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ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 1.00 SQ. TUBING

C&D#: CD-151
DATE: 5/02/2016



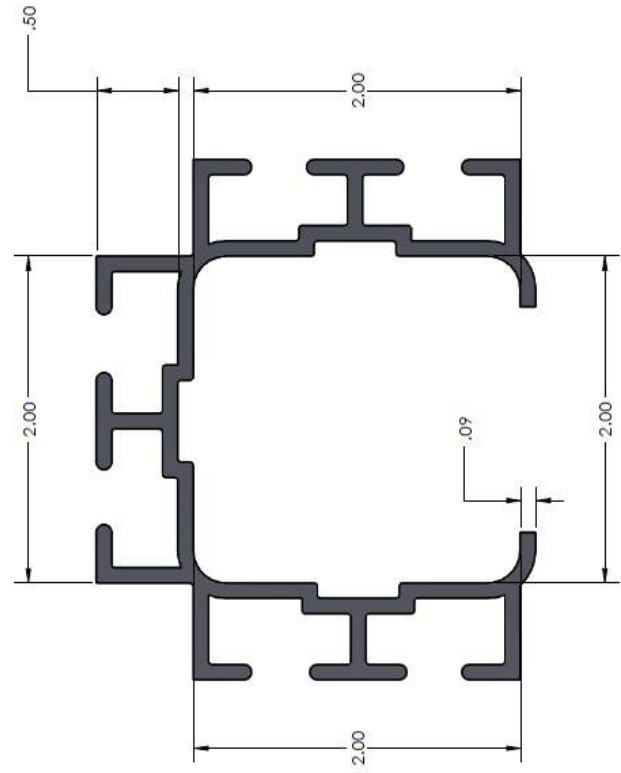
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

6 7 8

1 2 3 4 5 6 7 8

REV.	DESCRIPTION	DATE	APPROVED



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 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 2.00 SQ. TUBING

C&D#: CD-152
DATE: 5/02/2016

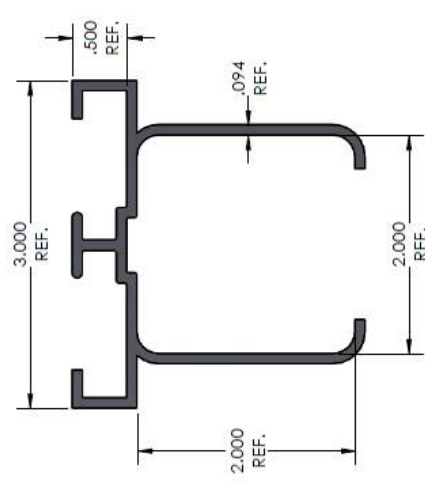
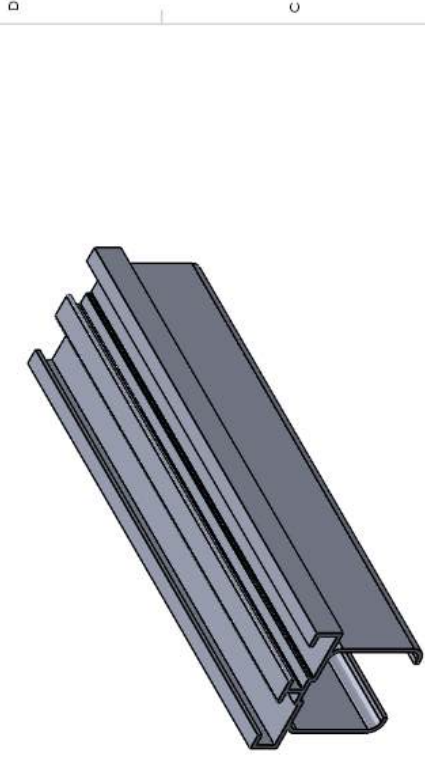


NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

6 7 8

8 7 6 5 4 3 2 1

REVISIONS		
REV.	DESCRIPTION	DATE



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 48326-2664
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ISO 9001:2000 Registered

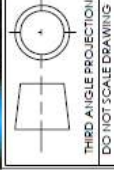
MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 2.00 SQ. TUBING

C&D#:
 CD-155

DATE:
 5/02/2016



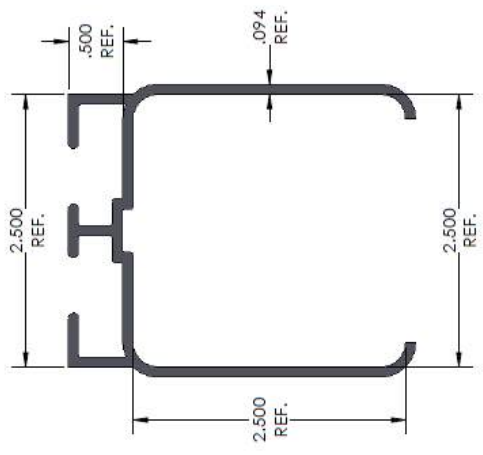
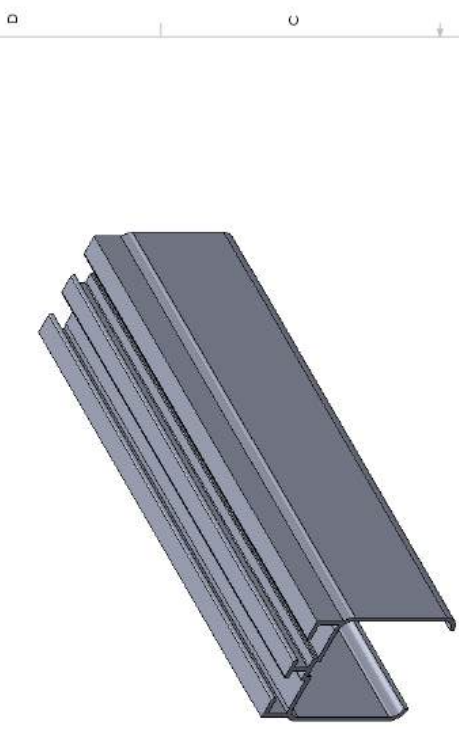
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
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 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.


8 7 6 5 4 3 2 1

1 2 3 4 5 6 7 8

REVISIONS		
REV.	DESCRIPTION	DATE

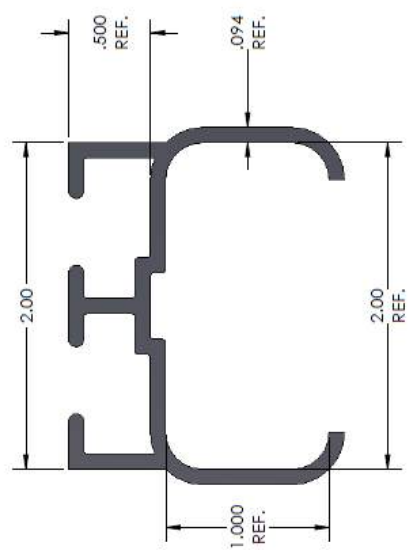


NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
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 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

	1929 NORTH OPDYKE AUBURN HILLS, MI 48306-2664 PHONE (248) 373-0011 FAX (248) 373-3470	
	ISO 9001:2000 Registered	
MATERIALS: HIGH IMPACT PVC		
TITLE: SNAP ON DUNNAGE 2.50 SQ. TUBING		
C&D#: CD-156		DATE: 5/02/2016
 THIRD ANGLE PROJECTION DO NOT SCALE DRAWING		

1 2 3 4 5 6 7 8

REVISIONS		
REV.	DESCRIPTION	DATE



NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
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 OR FABRICATED MATERIALS.



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 AUBURN HILLS, MI
 48324-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 2.00 X 1.00 TUBING



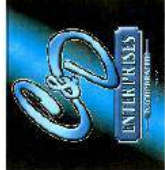
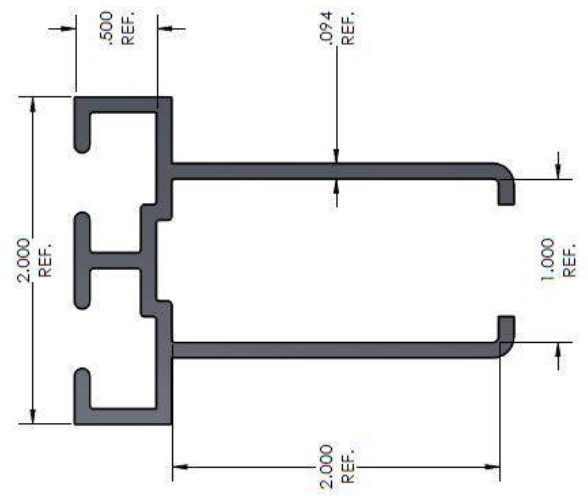
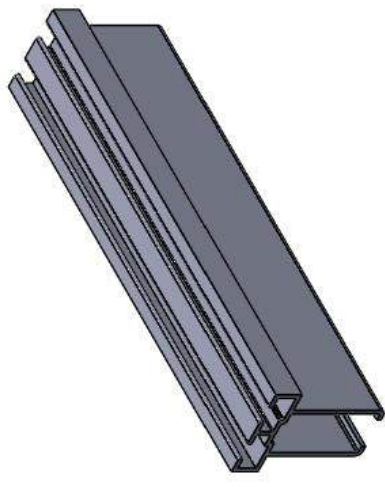
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

C&D#: CD-157
 DATE: 5/03/2016

6 7 8

1 2 3 4 5 6 7 8

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		



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 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

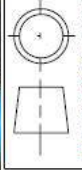
MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 2.00 X 1.00 TUBING

C&D#: CD-158

DATE: 5/03/2016

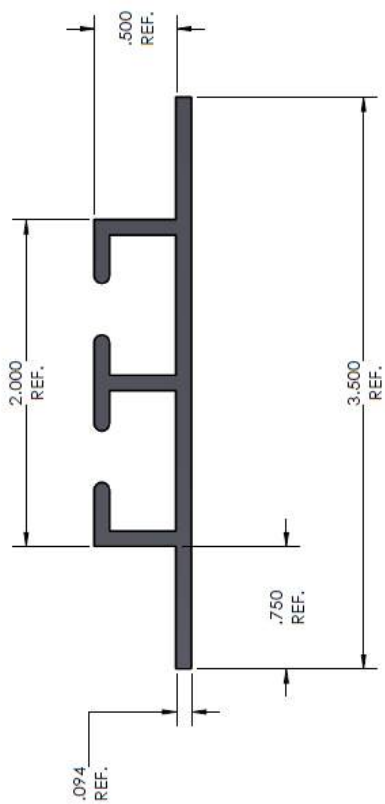
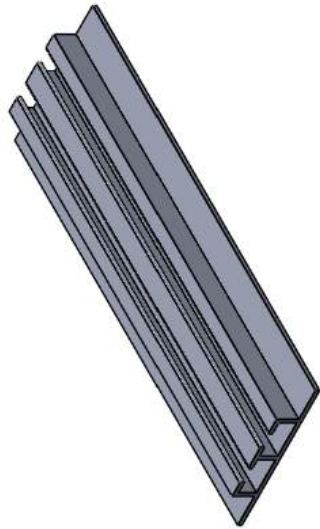


THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
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6 7 8

REV.	DESCRIPTION	DATE	APPROVED



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 AUBURN HILLS, MI
 48326-2664
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 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 FLAT PROFILE

C&D#:

CD-159

DATE:

5/03/2016

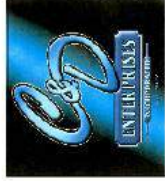
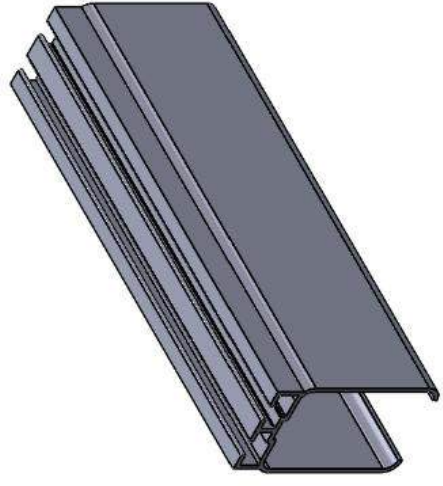
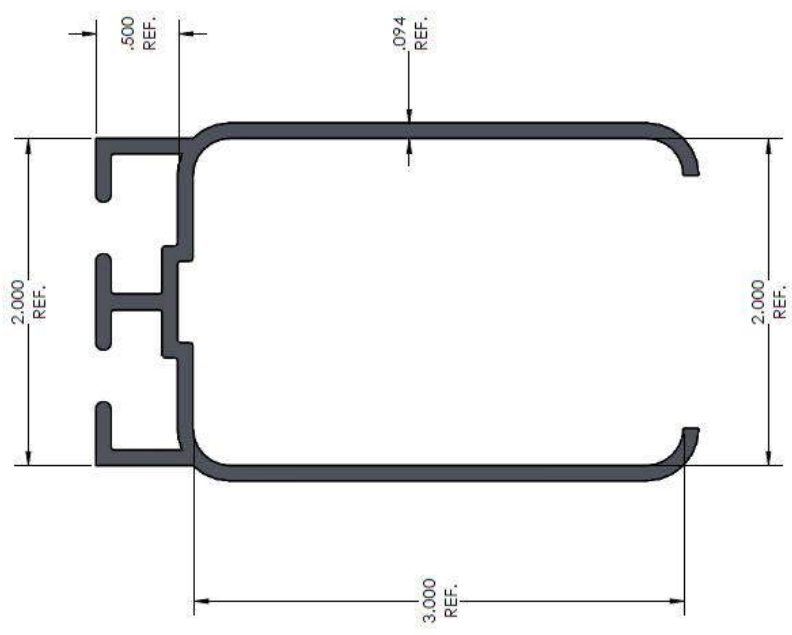


THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
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1 2 3 4 5 6 7 8

REV.		REVISIONS		DATE	APPROVED



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 FAX (248) 373-3470

ISO 9001:2000 Registered

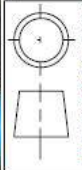
MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 3.00 X 2.00 TUBING

C&D#: CD-160

DATE: 5/3/2016



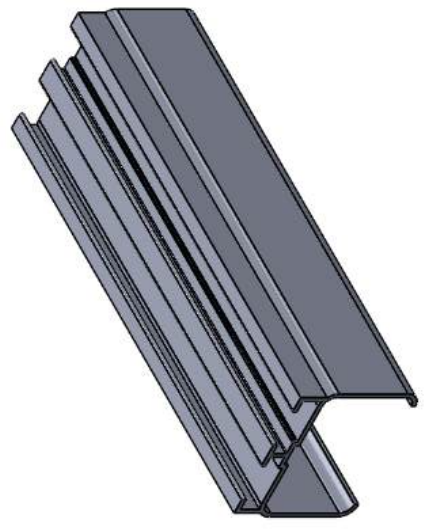
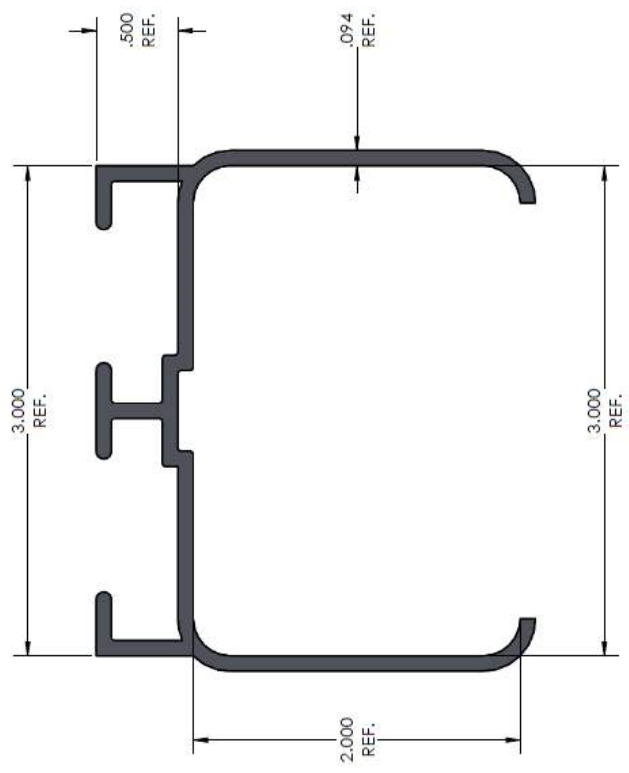
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
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 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
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6 7 8

1 2 3 4 5 6 7 8

REV.		REVISIONS		DATE	APPROVED



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 FAX (248) 373-3470

ISO 9001:2000 Registered

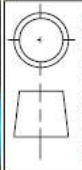
MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 3.00 X 2.00 TUBING

C&D#:
 CD-161

DATE:
 5/3/2016

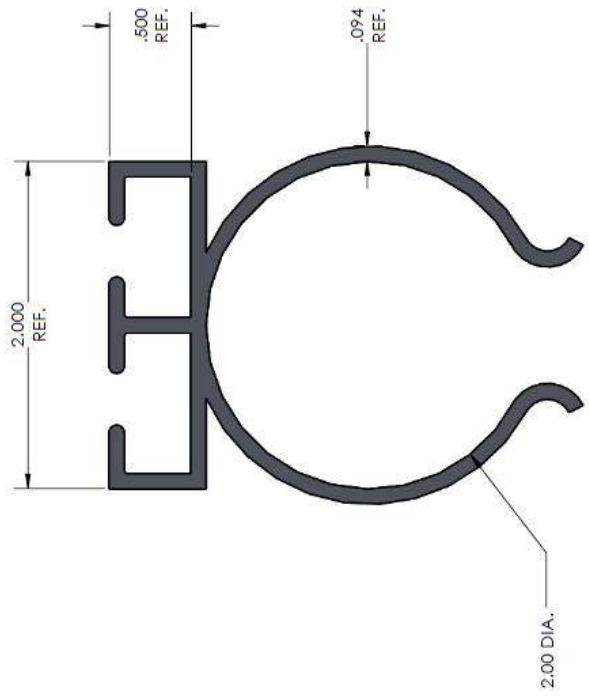


THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

1 2 3 4 5 6 7 8

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



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 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

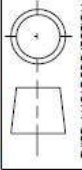
SNAP ON DUNNAGE
 2.00 DIA TUBING

C&D#:

CD-162

DATE:

5/3/2016



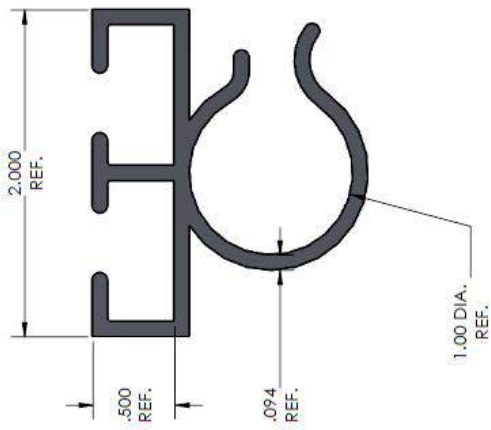
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

8 7 6

1 2 3 4 5 6 7 8

REV.	DESCRIPTION	DATE	APPROVED



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 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: HIGH IMPACT PVC

TITLE:

SNAP ON DUNNAGE
 1.00 DIA TUBING

C&D#:
 CD-163

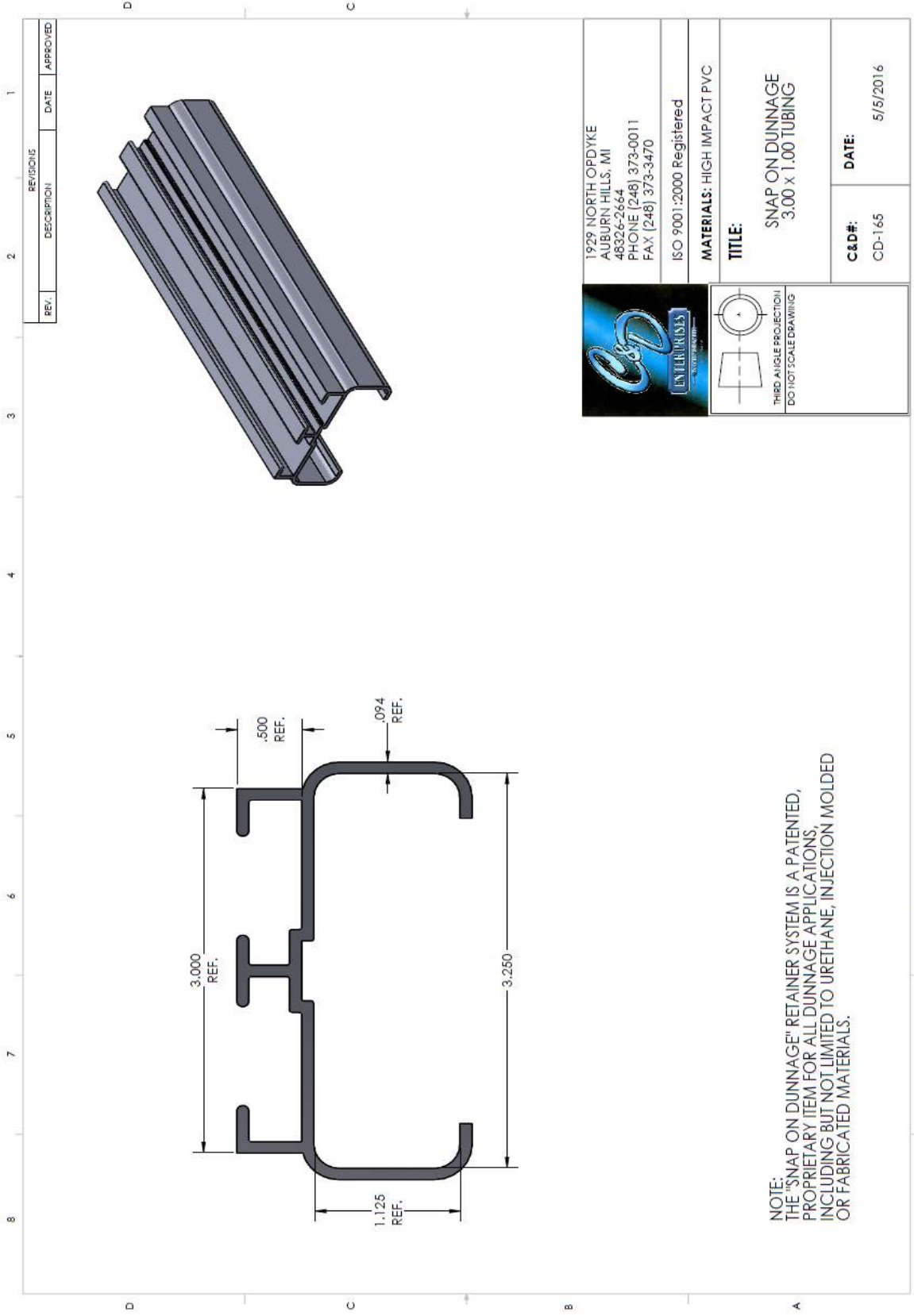
DATE:
 5/2/2016

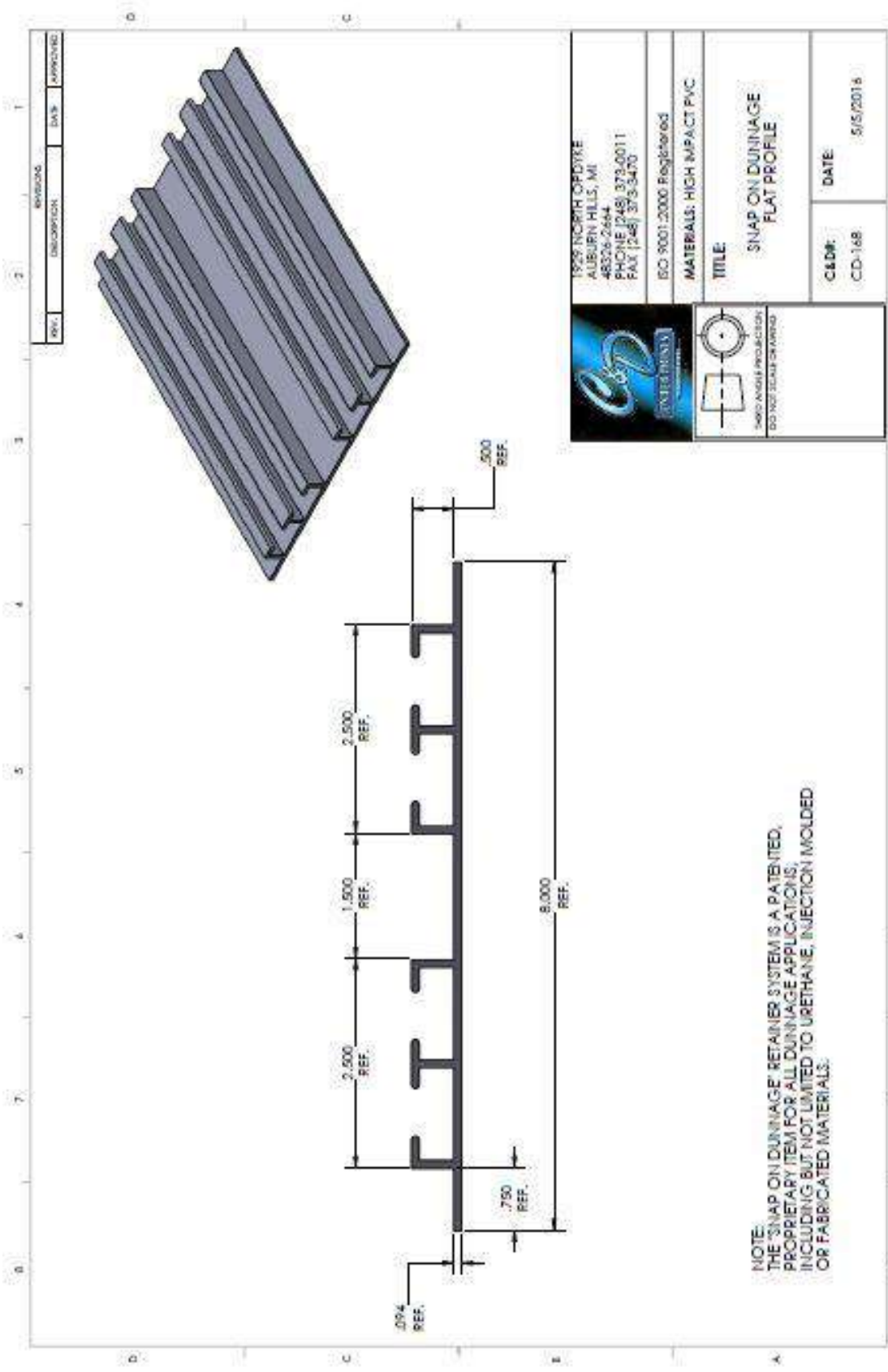


THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING



NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

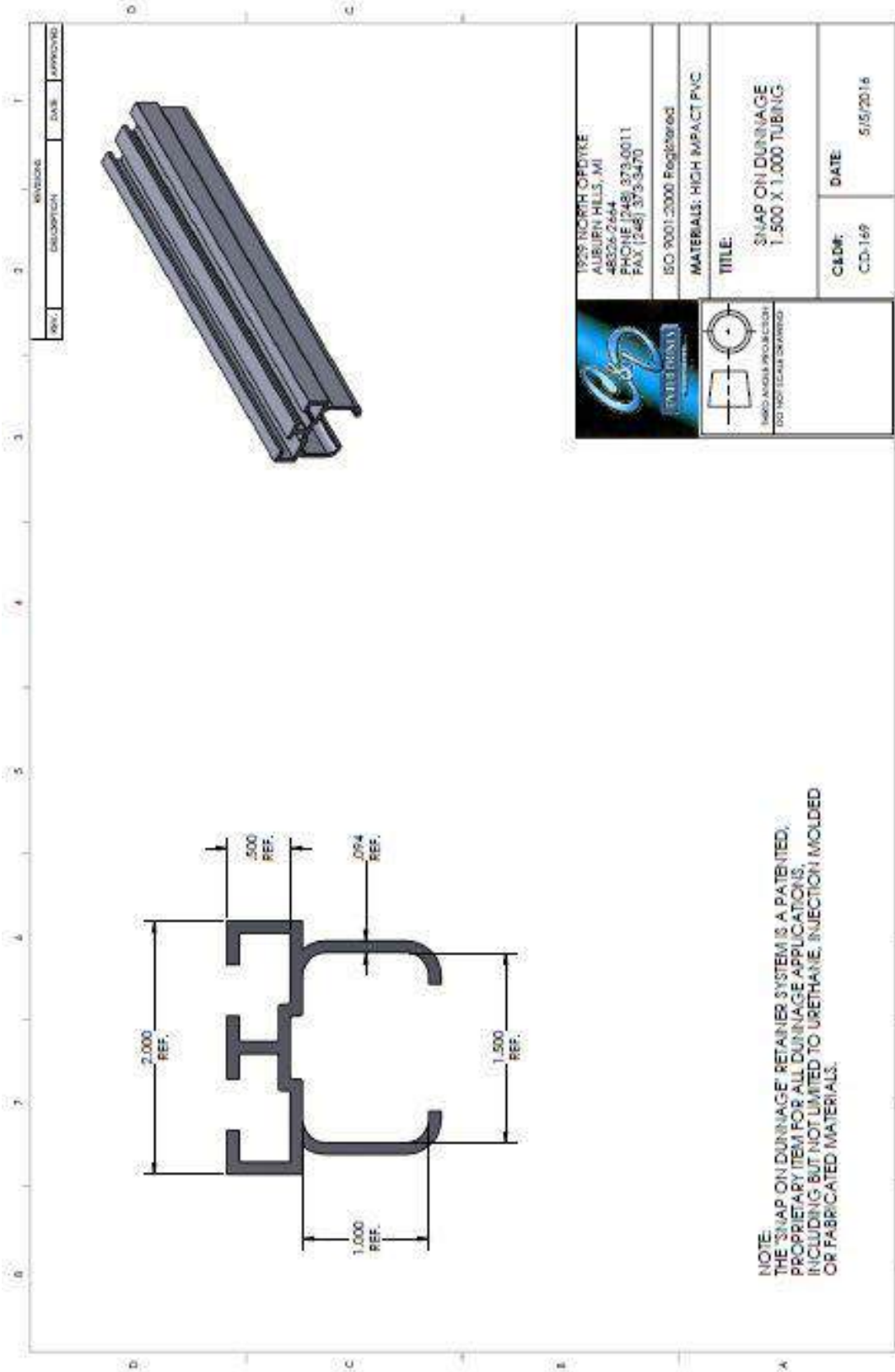
6 7 8

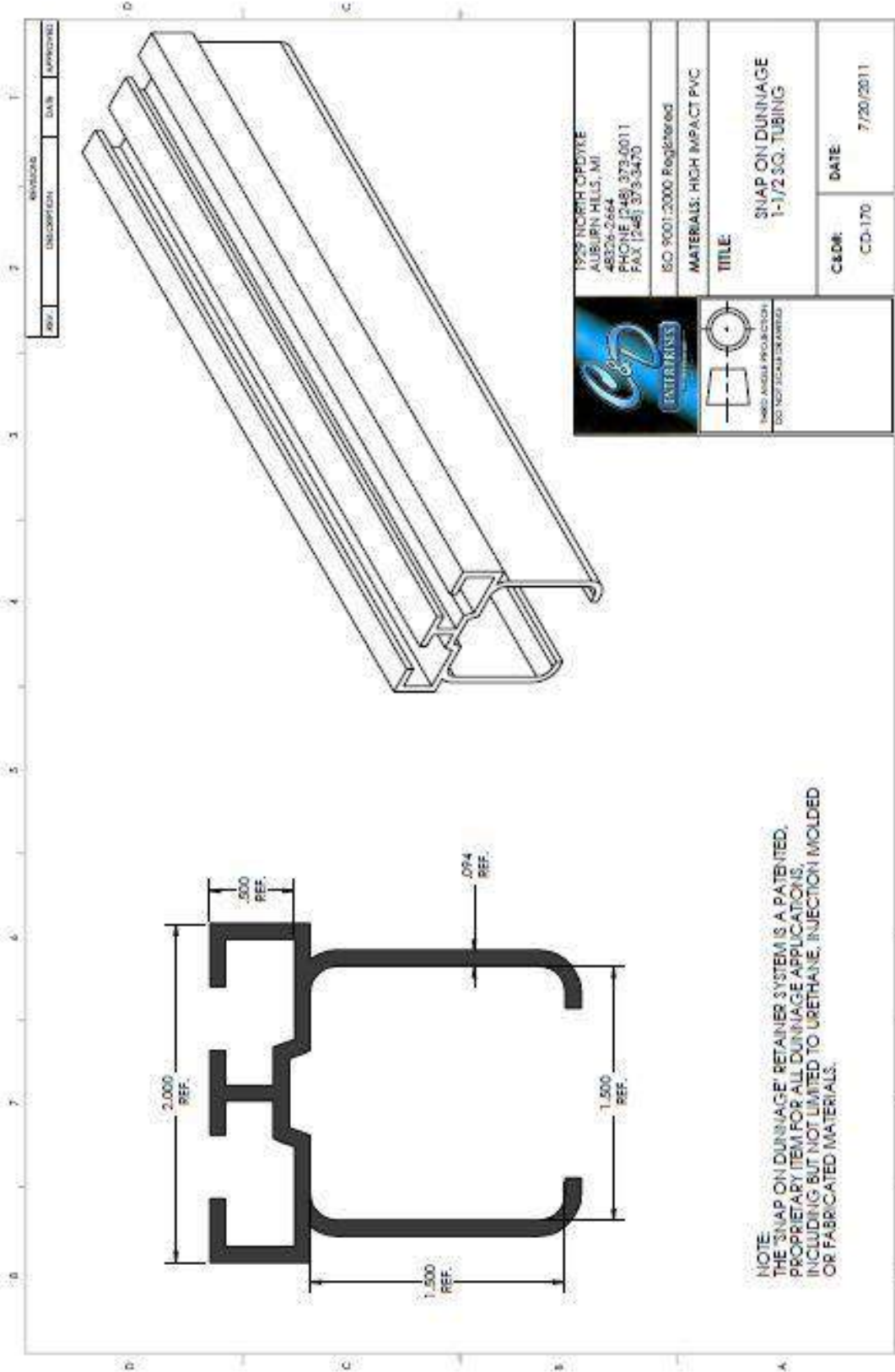


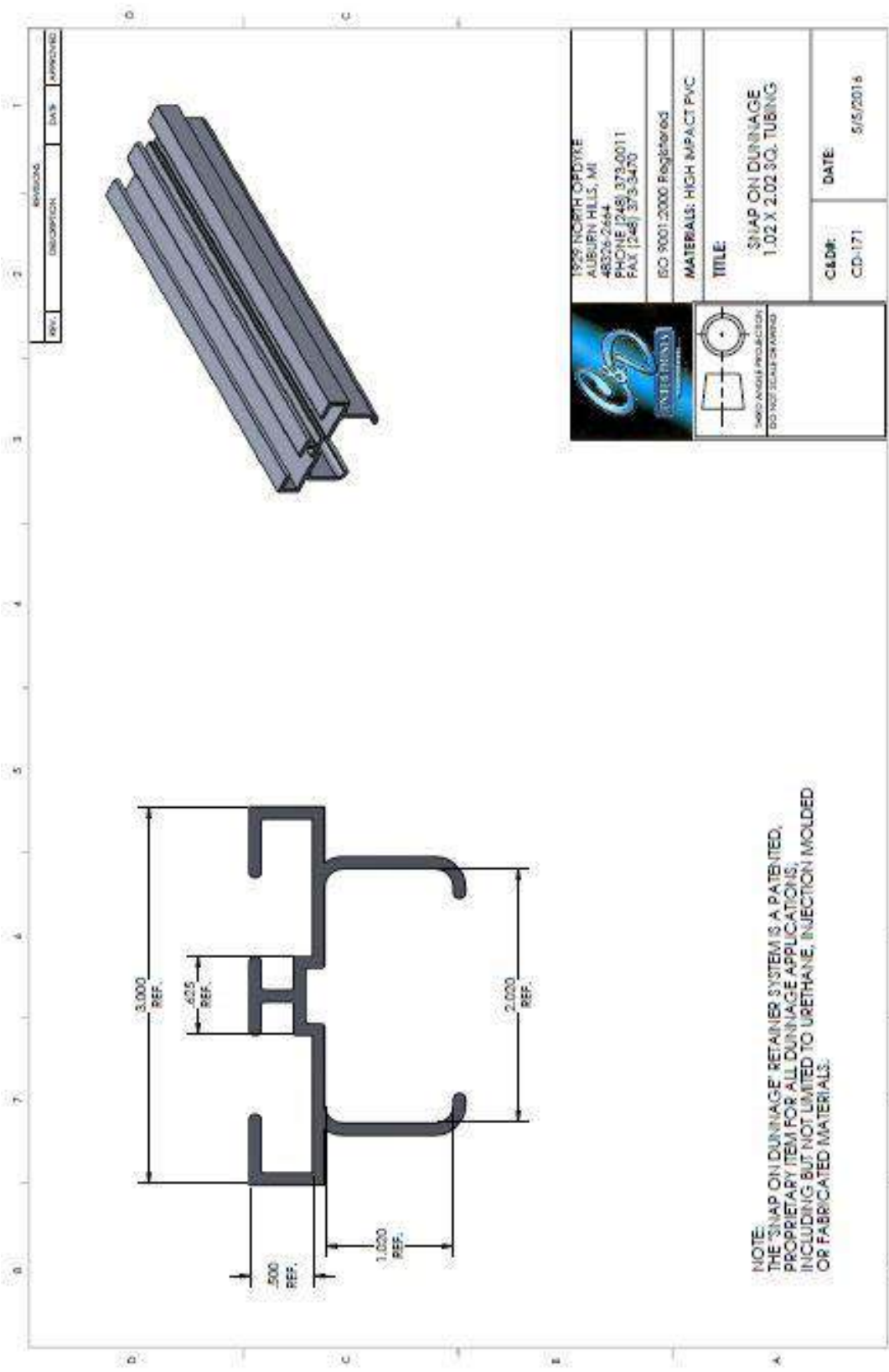


NOTE:
 THE 'SNAP ON DRAINAGE' RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DRAINAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

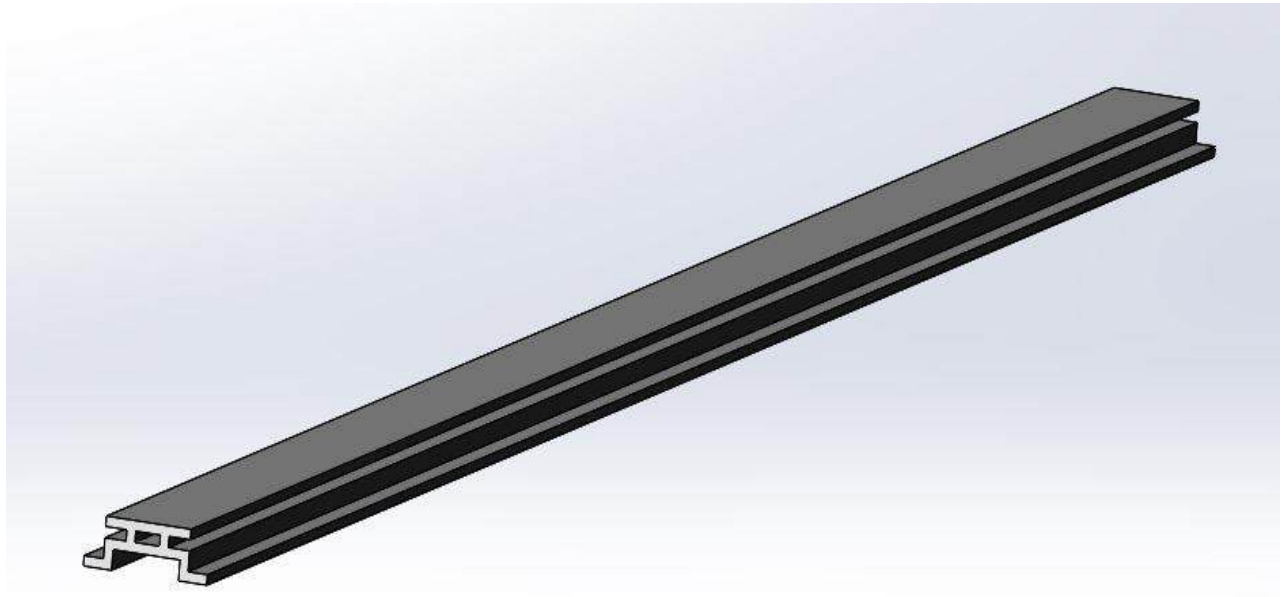
		1929 NORTH OGDYNE ALBURN HILLS, MI 48324-2444 PHONE (248) 373-0011 FAX (248) 373-3470	
		ISO 9001:2000 Registered	
MATERIALS: HIGH IMPACT PVC		TITLE: SNAP ON DRAINAGE FLAT PROFILE	
C&DR: CD-168		DATE: 5/5/2018	

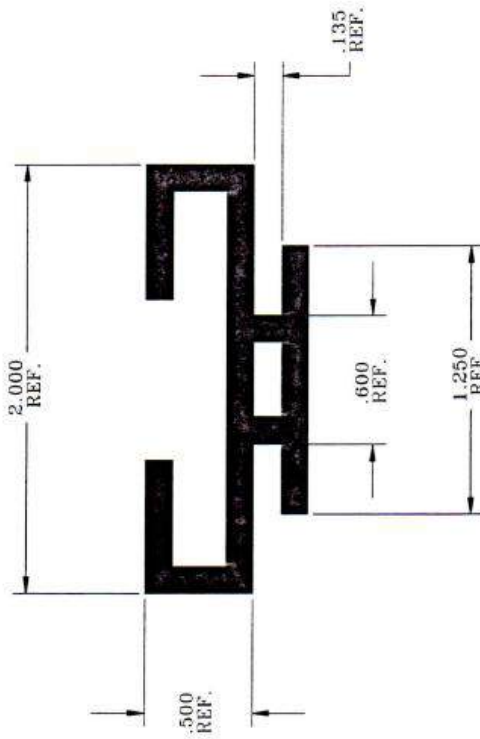
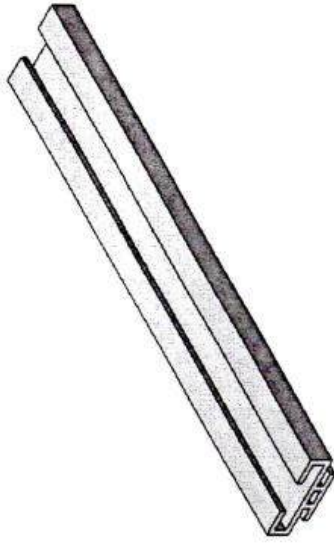






"T-SLOT" RETAINERS






ENTERPRISES
EST. 1971

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING
MANUFACTURING
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031

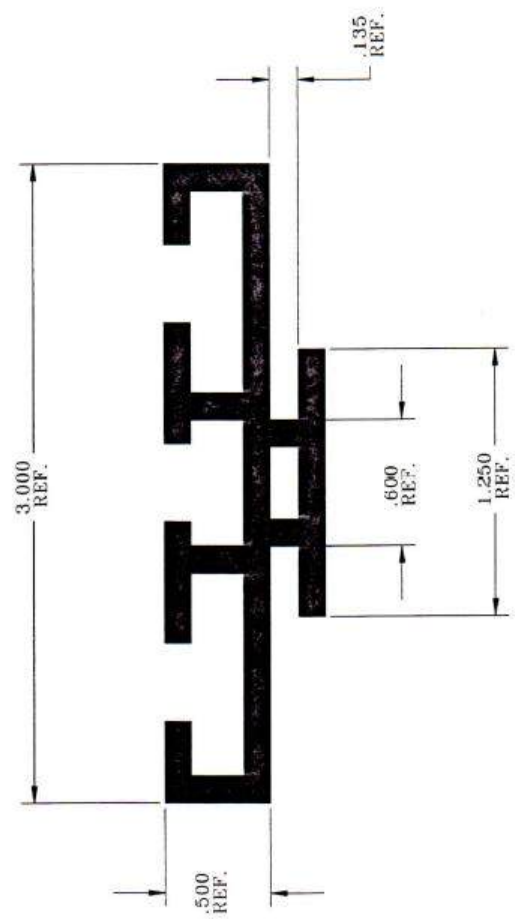
1929 NORTH OPDYKE
AUBURN HILLS, MI
48326-2664
PHONE (248) 373-0011
FAX (248) 373-3470

ISO 9001:2000 Registered

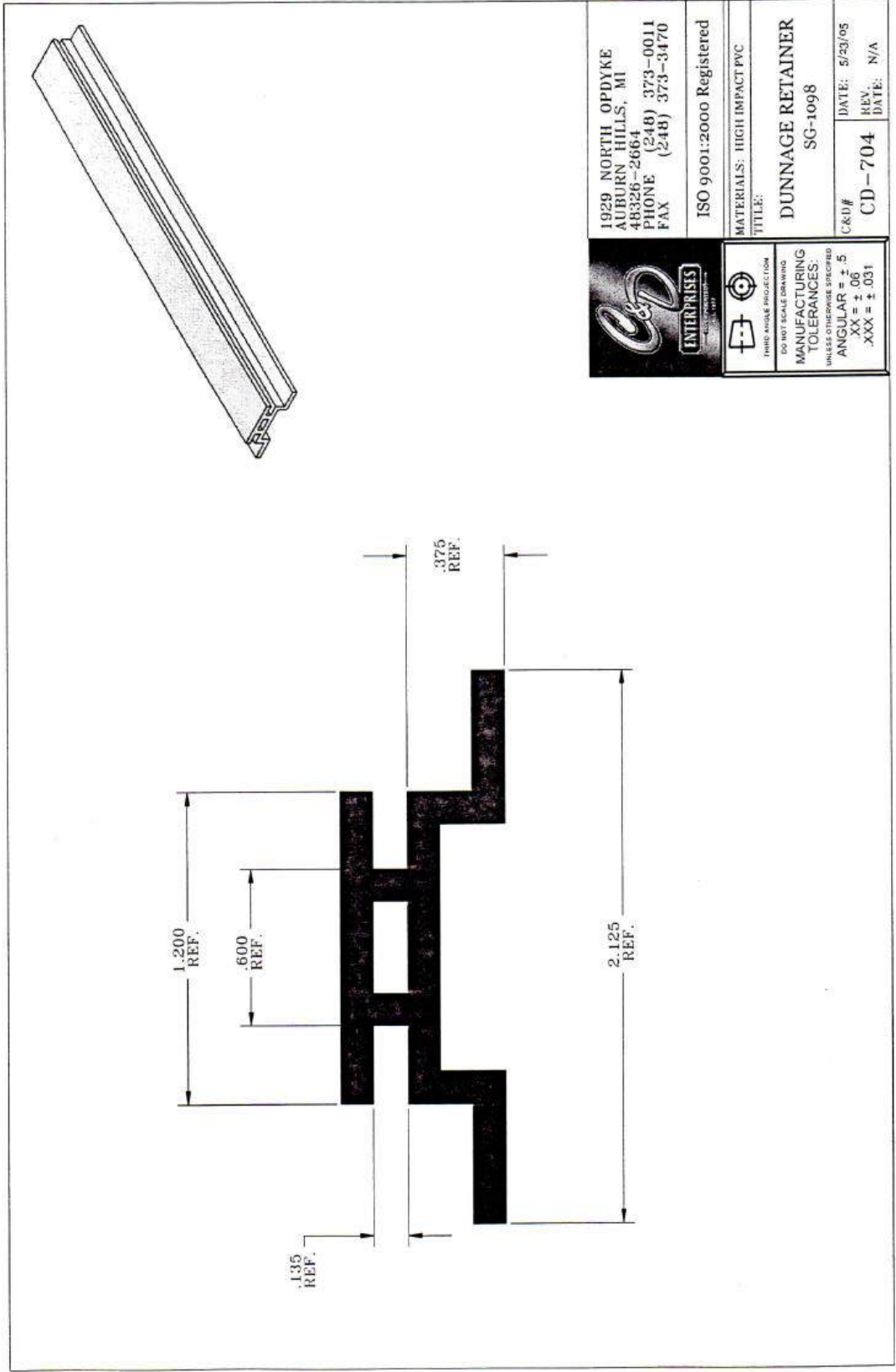
MATERIALS: HIGH IMPACT PVC


TITLE:
DUNNAGE RETAINER
CMHE-2019 or SGM-64

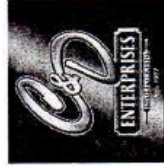
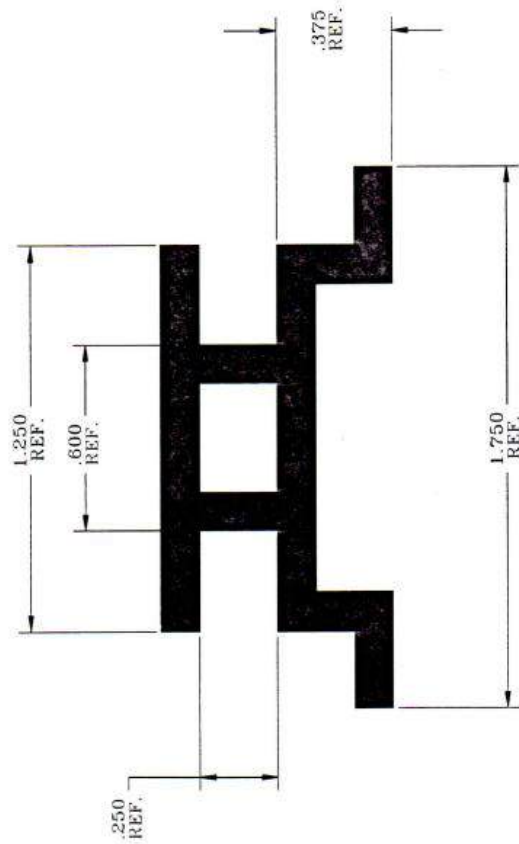
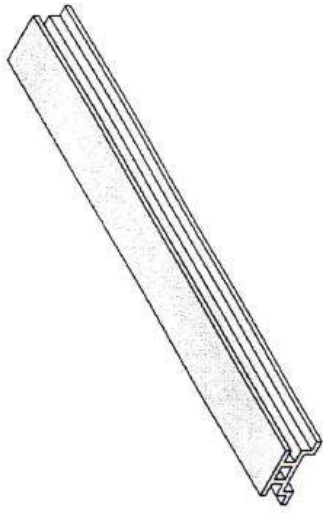
C&P# **CD-701** DATE: 5/23/05
REV. DATE: N/A



 <p>1929 NORTH OPDYKE AUBURN HILLS, MI 48320-2664 PHONE (248) 373-0011 FAX (248) 373-3470</p>	<p>ISO 9001:2000 Registered</p>	
	<p>MATERIALS: HIGH IMPACT PVC</p>	
<p>TITLE: DUNNAGE RETAINER CMHE-2020 of SGM-65</p>		
<p>C&D# CD-702</p>	<p>DATE: 5/23/05</p>	<p>REV. DATE: N/A</p>
<p>THIRD ANGLE PROJECTION</p> <p>DO NOT SCALE DRAWING</p> <p>MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED</p> <p>ANGULAR = ± .5 XX = ± .06 XXX = ± .031</p>		



		1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470	
ISO 9001:2000 Registered		MATERIALS: HIGH IMPACT PVC	
TITLE: DUNNAGE RETAINER SG-1098		C&D# CD-704	DATE: 5/23/05 REV. DATE: N/A
THIRD ANGLE PROJECTION DO NOT SCALE DRAWING		MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED ANGULAR = ± .5 XX = ± .06 XXX = ± .031	



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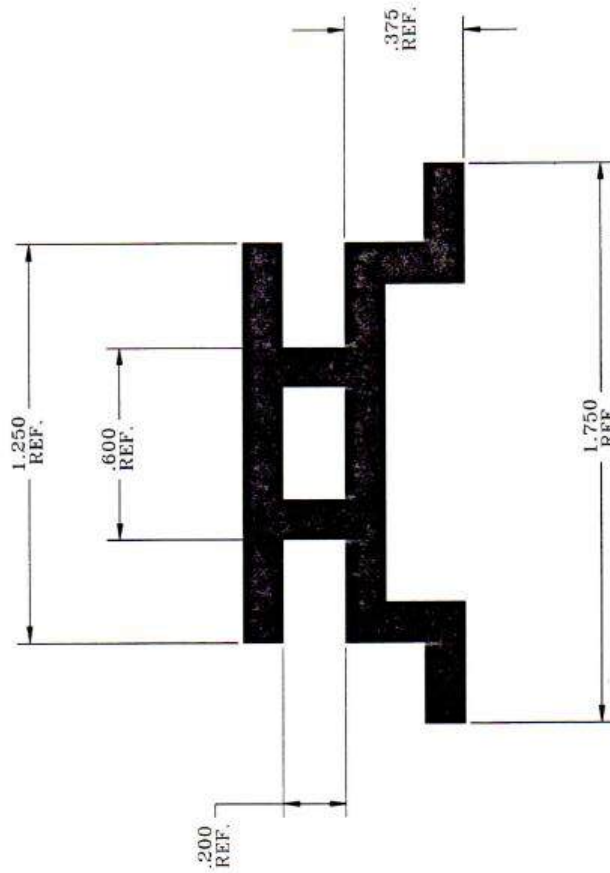
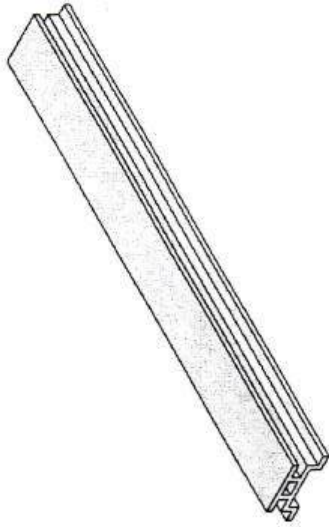
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING
 MANUFACTURING
 TOLERANCES
 UNLESS OTHERWISE SPECIFIED

ANGULAR = ± .5
 .XX = ± .06
 .XXX = ± .031

MATERIALS: HIGH IMPACT PVC
 TITLE:
 DUNNAGE RETAINER
 SG-60

C&I# CD-705
 DATE: 5/23/05
 REV. DATE: N/A



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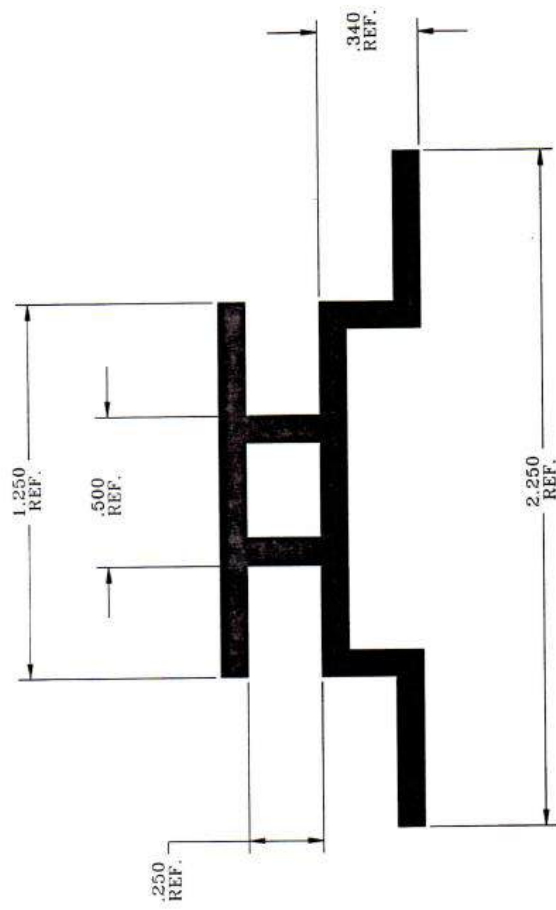
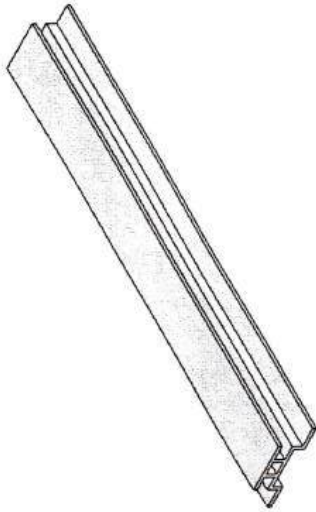
MATERIALS: HIGH IMPACT PVC

TITLE:
DUNNAGE RETAINER
SG-60-A

CAD#
CD-706

DATE: 5/23/05
REV. DATE: N/A

DO NOT SCALE DRAWING
MANUFACTURING
TOLERANCES
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
.XX = ± .06
.XXX = ± .031



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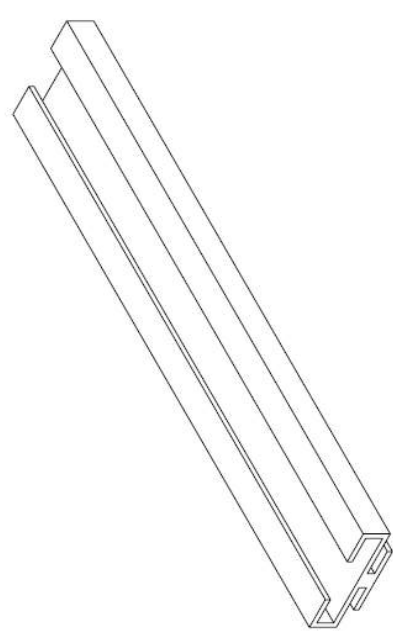
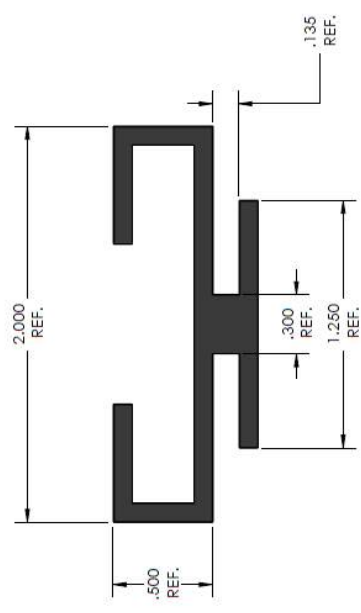
MATERIALS: HIGH IMPACT PVC
 TITLE:

DUNNAGE RETAINER
 MH-14440


C&D# CD-707
 DATE: 5/23/05
 REV: N/A

THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING
 MANUFACTURING
 TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 .XX = ± .06
 .XXX = ± .031

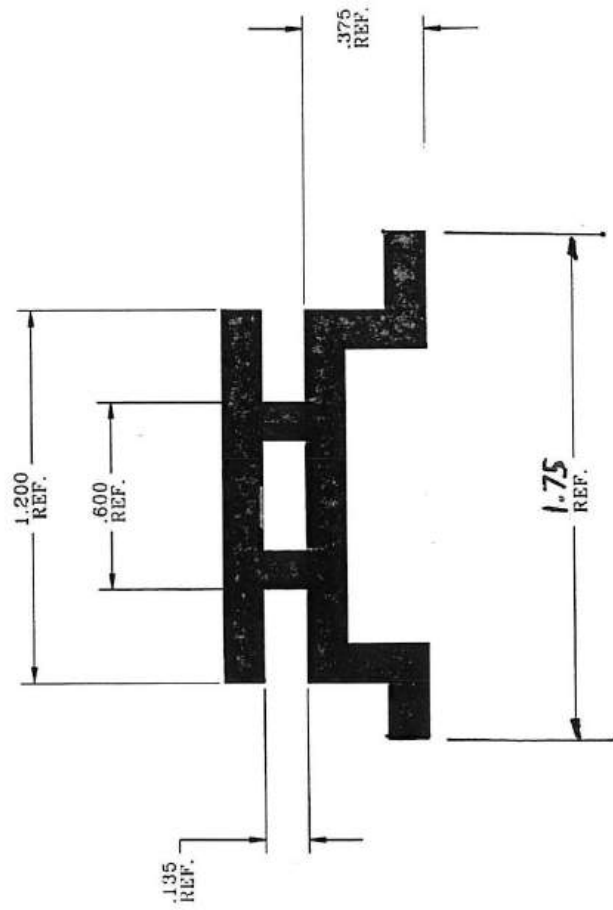
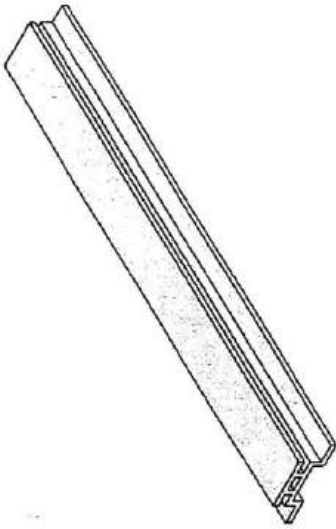
REV.	DESCRIPTION	DATE	APPROVED
1			



NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.

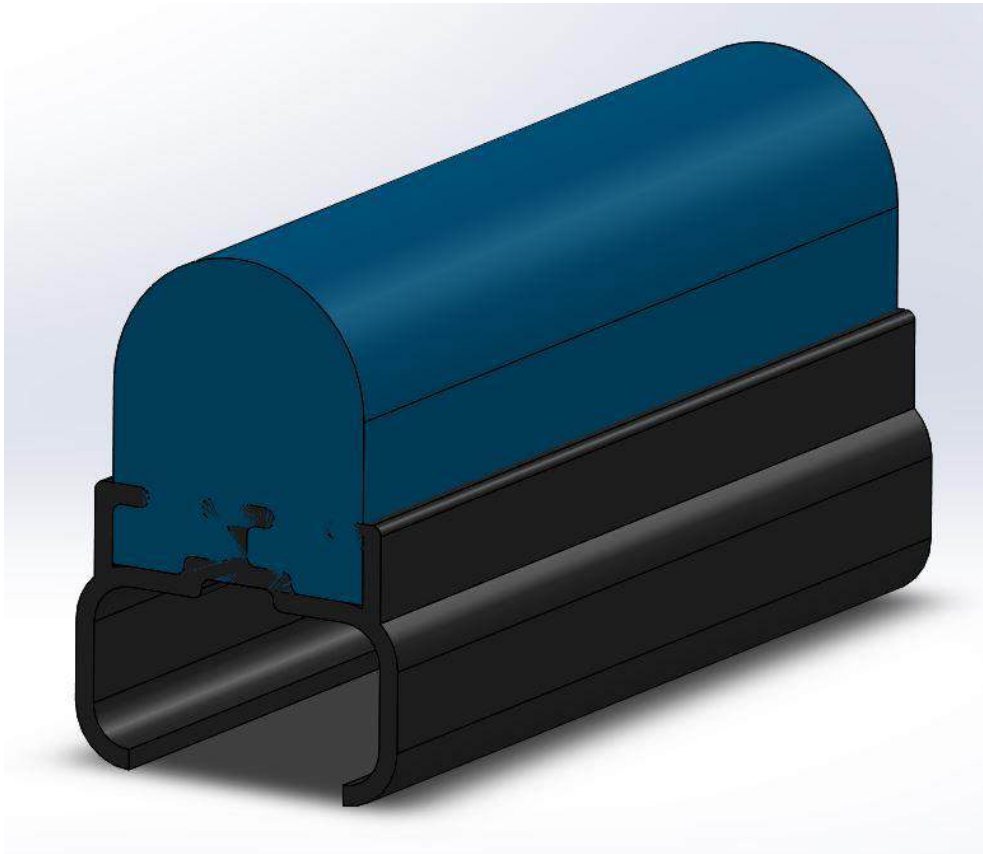
	1929 NORTH OPDYKE ALBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470	
	ISO 9001:2000 Registered	
MATERIALS: HIGH IMPACT PVC		
TITLE: DUNNAGE RETAINER FORD		
C&D#: CD-708	DATE: 7/22/2011	

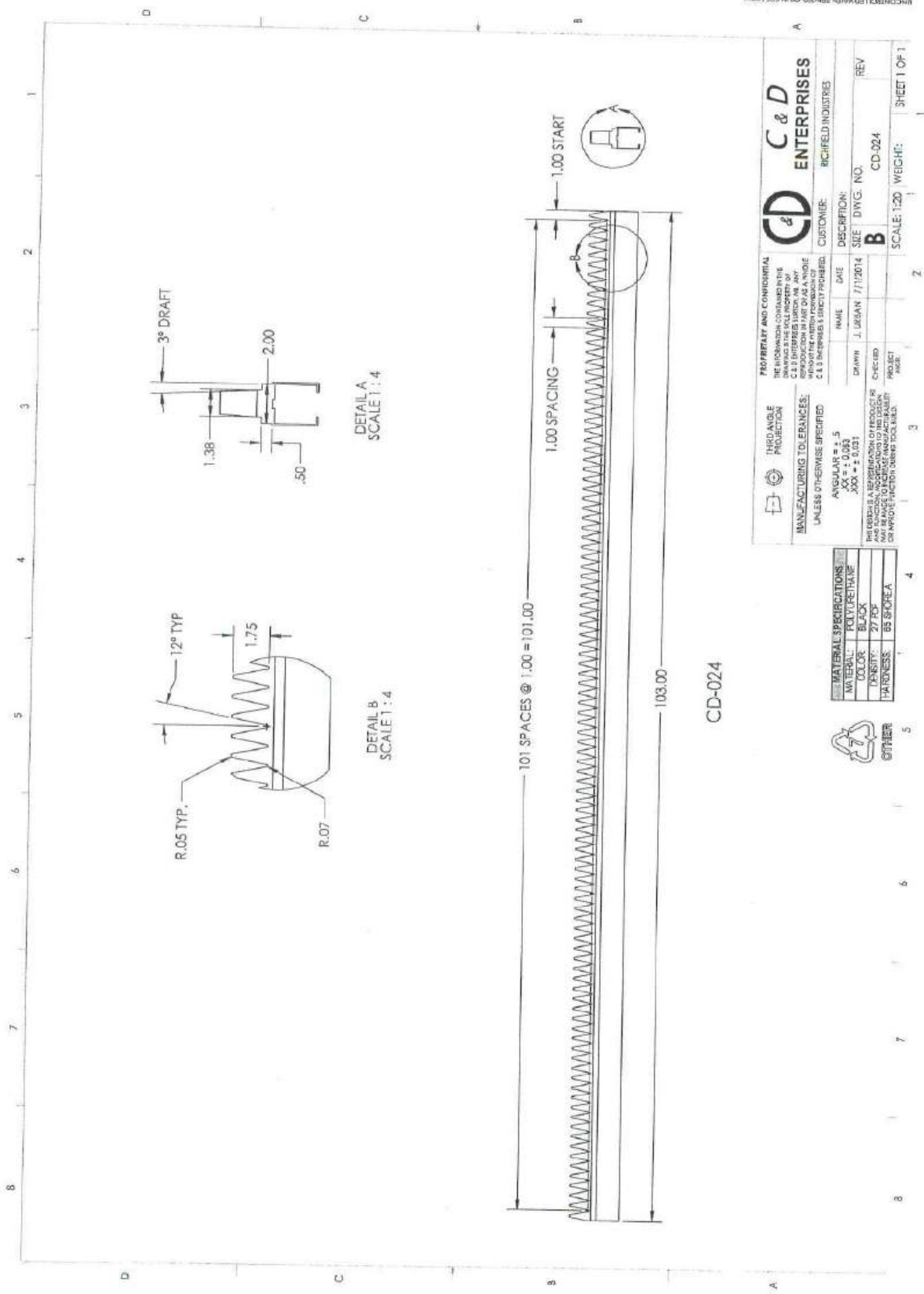




 ENTERPRISES <small>INCORPORATED</small>	1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470	
	ISO 9001:2000 Registered	
 <small>THIRD ANGLE PROJECTION</small> <small>DO NOT SCALE DRAWING</small>	MATERIALS: HIGH IMPACT PVC TITLE: DUNNAGE RETAINER SAM-63	
MANUFACTURING TOLERANCES: <small>UNLESS OTHERWISE SPECIFIED</small> ANGULAR = .5 XX ± .06 XXX ± .031	C&D#	DATE: 5/23/05 REV. DATE: N/A

“SNAP ON” DUNNAGE





DETAIL A
SCALE: 1:4

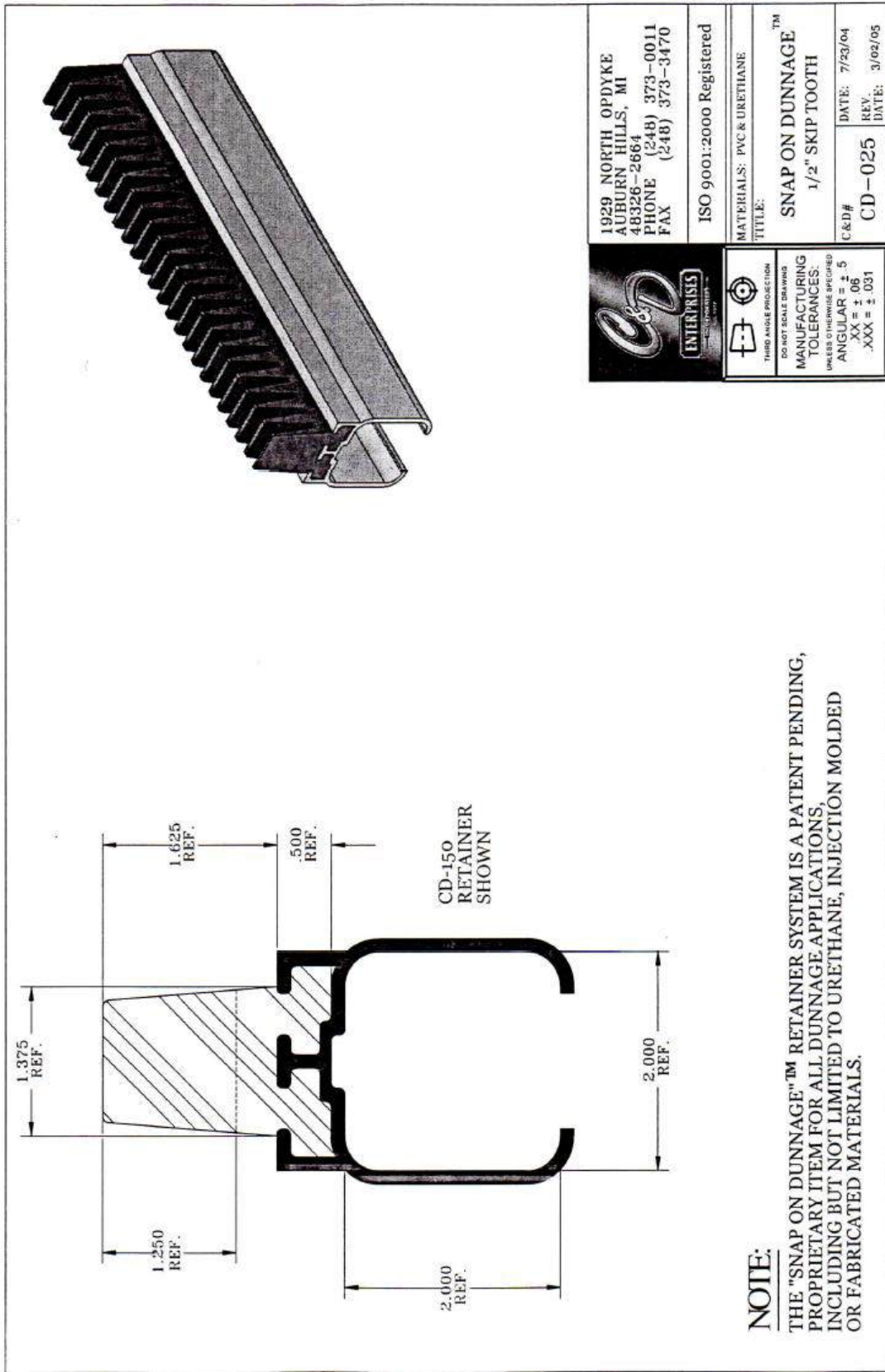
DETAIL B
SCALE: 1:4

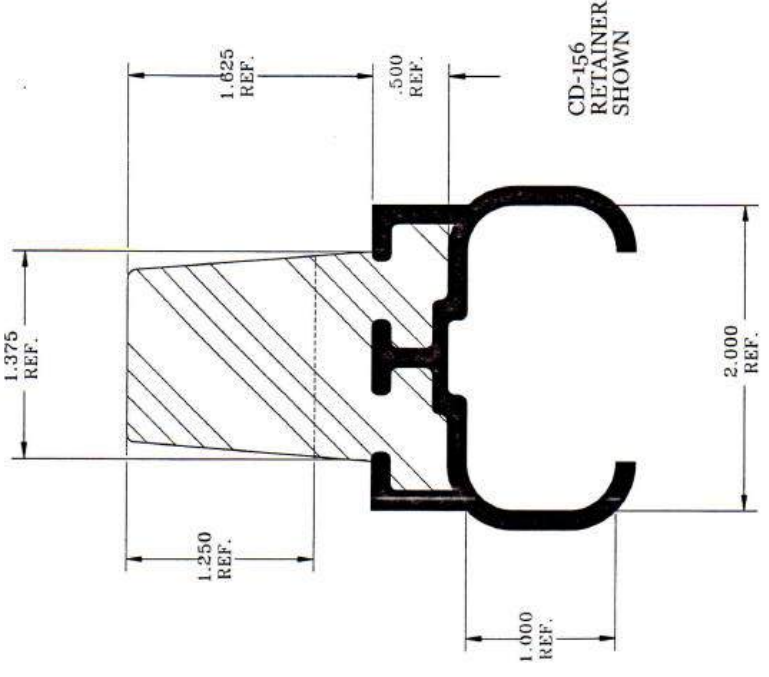
CD-024

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MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED: ANGULAR ± .5 .XX ± 0.03 .XXX ± 0.031	NAME J. URBAN	DATE 7/1/2014	DESCRIPTION: SIZE DWG. NO. B CD-024
PROJECTION: THIRD ANGLE	DRAWN J. URBAN	CHECKED [Signature]	REV CD-024
MATERIAL SPECIFICATIONS: MATERIAL: POLYURETHANE COLOR: BLACK DENSITY: 27 PCF HARDNESS: BS SHORE-A	SCALE: 1:20	WEIGHT:	SHEET 1 OF 1

	OTHER
--	--------------





CD-156
RETAINER
SHOWN



NOTE:

THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



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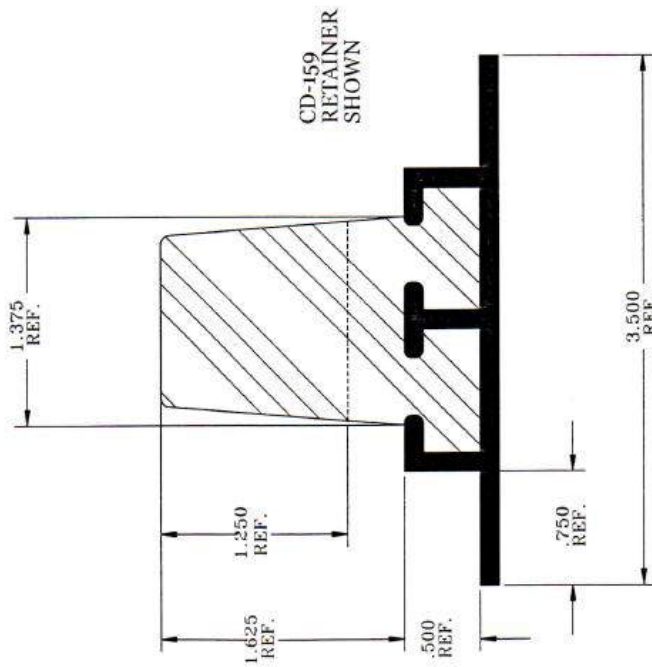
MATERIALS: PVC & URETHANE

TITLE:
SNAP ON DUNNAGE™
1/2" SKIP TOOTH

C&D#
CD-027

DATE: 7/23/04
REV.
DATE: 3/02/05

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
MANUFACTURING
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031



NOTE:

THE "SNAP ON DUNNAGE"[™] RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



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FAX (248) 373-3470

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MATERIALS: PVC & URETHANE

TITLE:

SNAP ON DUNNAGE[™]
1/2" SKIP TOOTH

C&D# CD-028

DATE: 7/23/04

REV. DATE: 3/02/05



THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

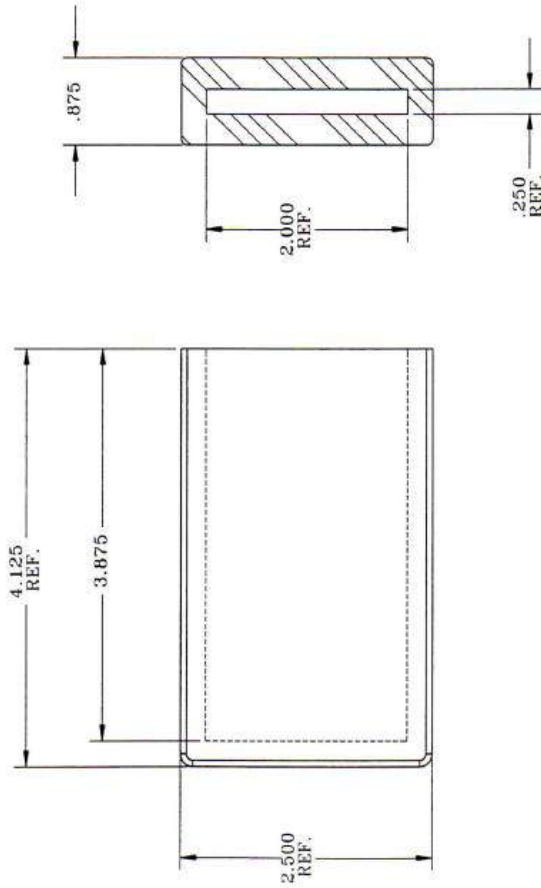
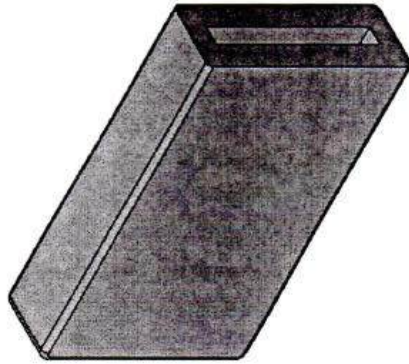
MANUFACTURING TOLERANCES:

UNLESS OTHERWISE SPECIFIED

ANGULAR = ± .5

XX = ± .06

XXX = ± .031



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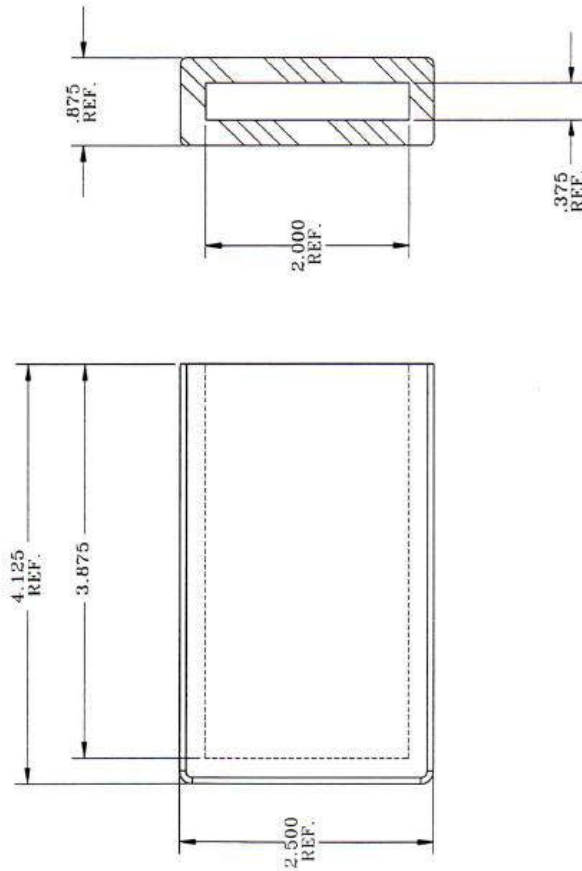
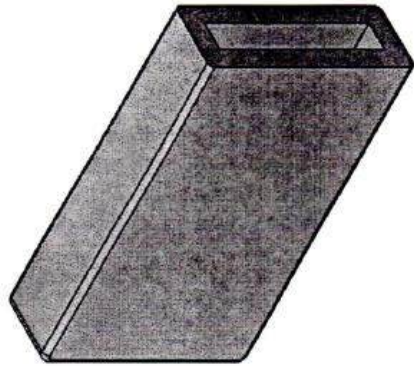
ISO 9001:2000 Registered

MATERIALS: URETHANE
 TITLE:

PANEL STOP
 1/4" INSERT

C&D# CD-030
 DATE: 7/23/04
 REV. DATE: 3/02/05

THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING
 MANUFACTURING
 TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 XX = ± .06
 XXX = ± .031

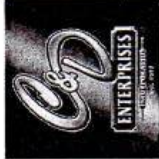
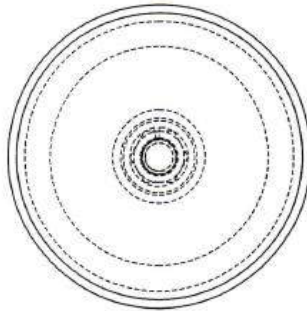
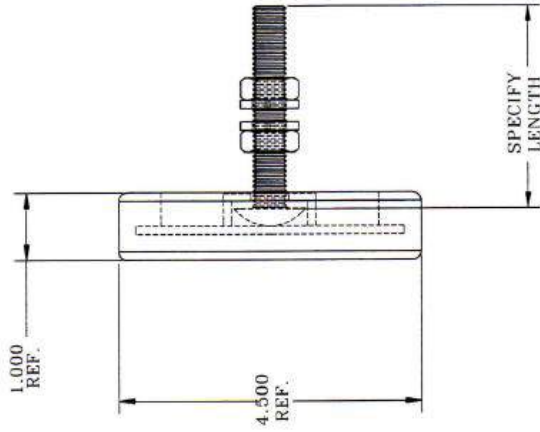


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MATERIALS: URETHANE	
TITLE: PANEL STOP 3/8" INSERT	
C&D# CD-031	DATE: 7/23/04
REV.	DATE:
	3/02/05

DO NOT SCALE DIMENSIONS
 THIRD ANGLE PROJECTION
 MANUFACTURING
 TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 XX = ± .06
 XXX = ± .031



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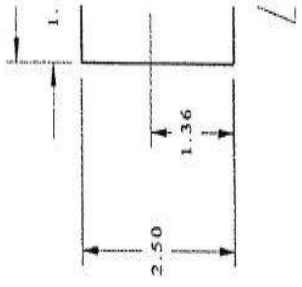
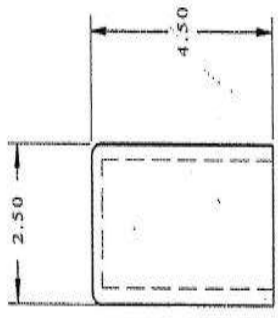
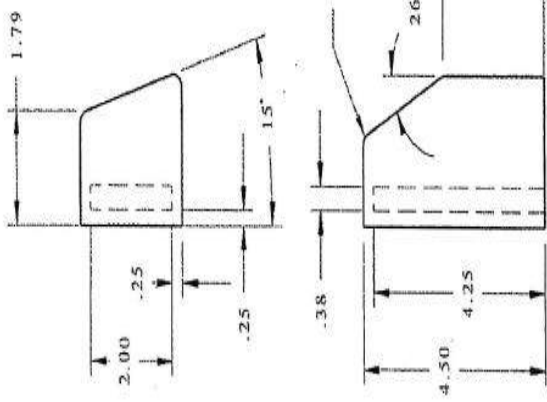
MATERIALS: URETHANE OVERMOLD
 TITLE:

GLASS PIVOT DISK

C&P#	DATE: 9/12/05
CD-032	REV. N/A
	DATE:

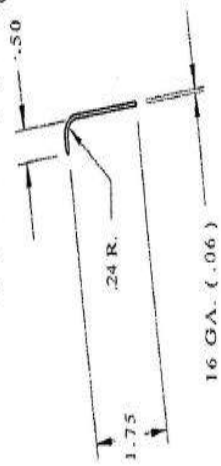
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 .XX = ± .06
 .XXX = ± .031

CD-033

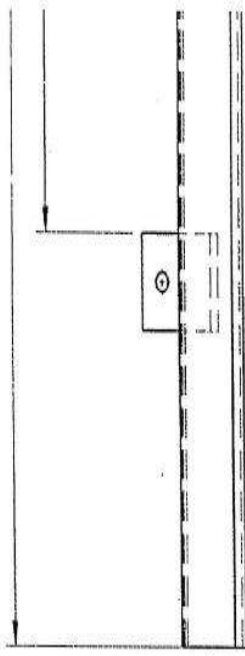


DETAIL 31 SHOWN
 DETAIL 32 OPPOSITE

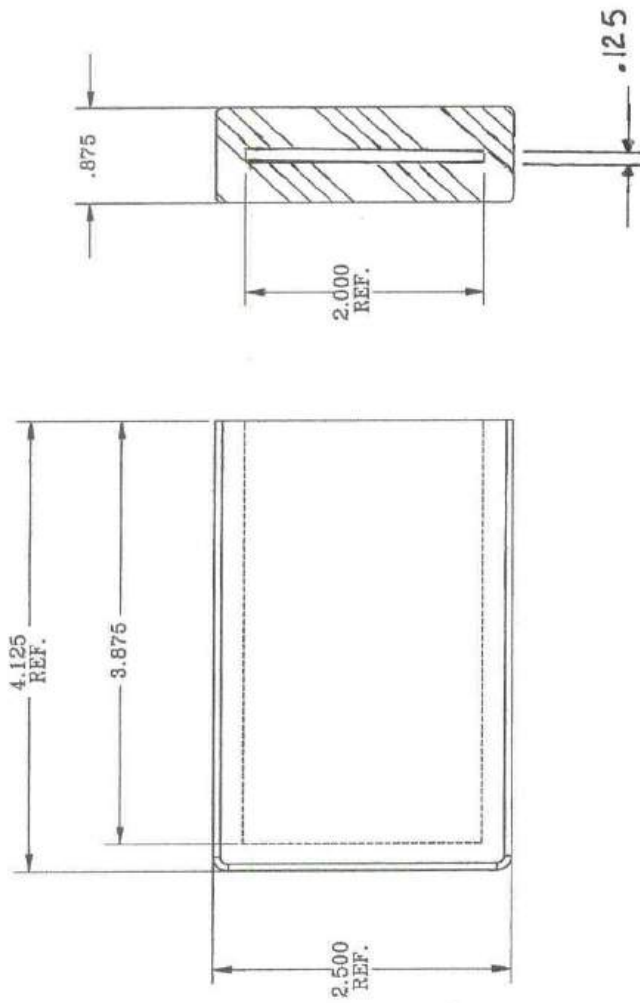
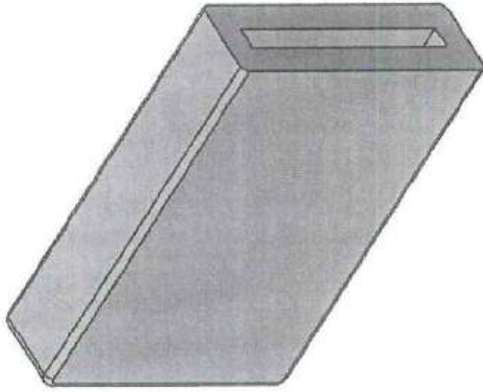
OW500710
 2010 wk/wd
 PNL Liftgate OTR



DETAIL C



DESCRIPTION: OUTRIGGER ASSY		
SUB - ASSY	QTY	NOTES
G4 SHN	1	
G5 OPP.	1	
DET	QTY	DESCRIPTION
G4A	1	2.00 X 1.00 X 11 GA(.120) X 30.00
G4B	3	.25 X 2.00 X DEV. LENGTH - 1R
G4C	1	16 GA(.065) X DEV. WIDTH X 3I



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THIRD ANGLE PROJECTION

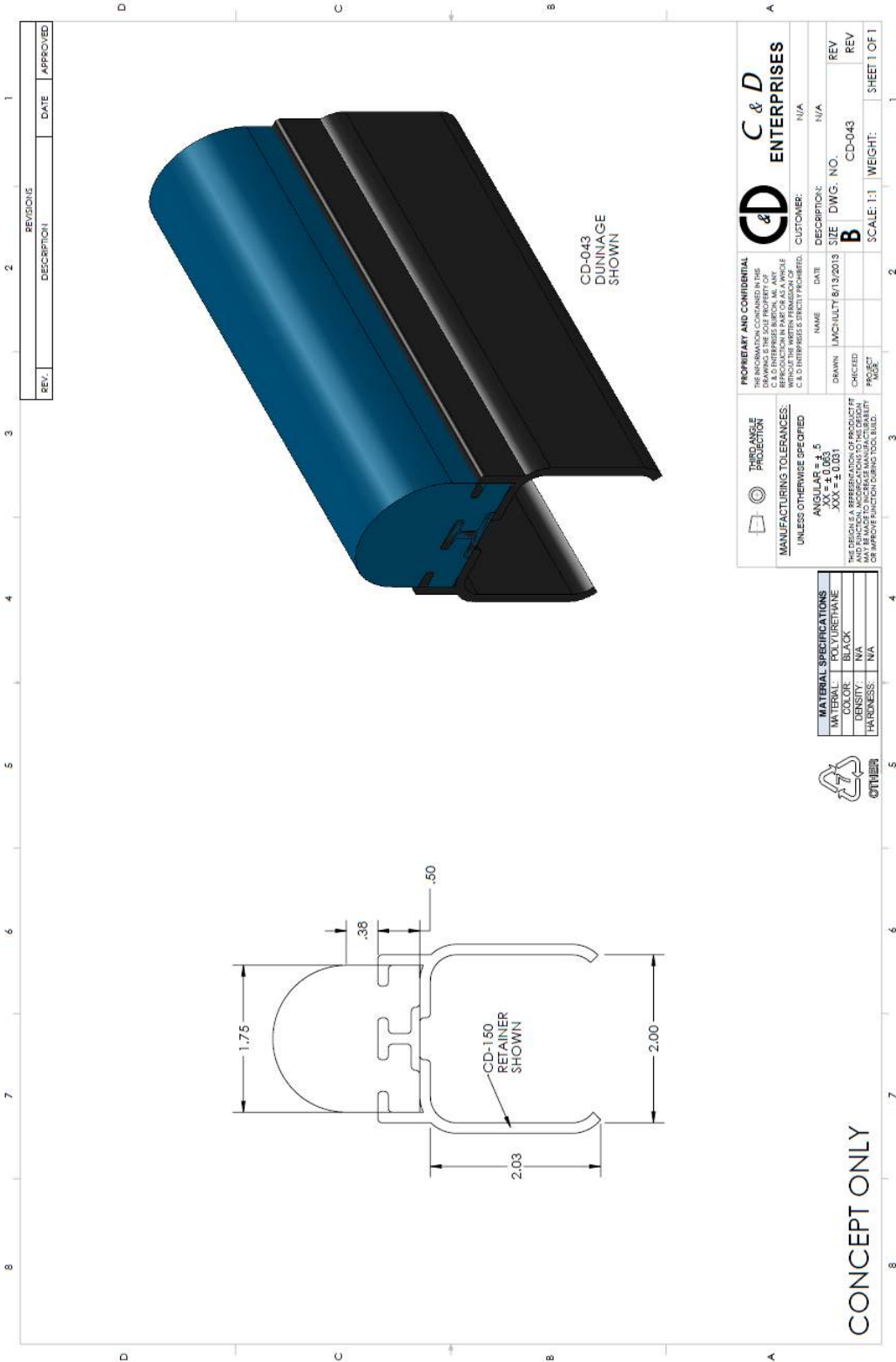
DO NOT SCALE DRAWING
 MANUFACTURING
 TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 .XX = ± .06
 .XXX = ± .031

MATERIALS: URETHANE
 TITLE:

PANEL STOP
 .125 " INSERT

C&D#
 CD-034

DATE: 7/23/04
 REV. 3/24/09
 DATE:



REV.	DESCRIPTION	DATE	APPROVED
1			
2			
3			
4			
5			
6			
7			
8			

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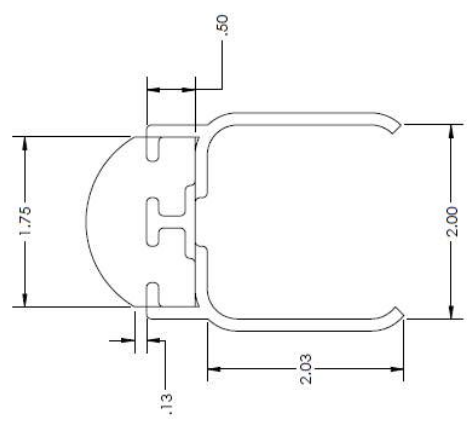
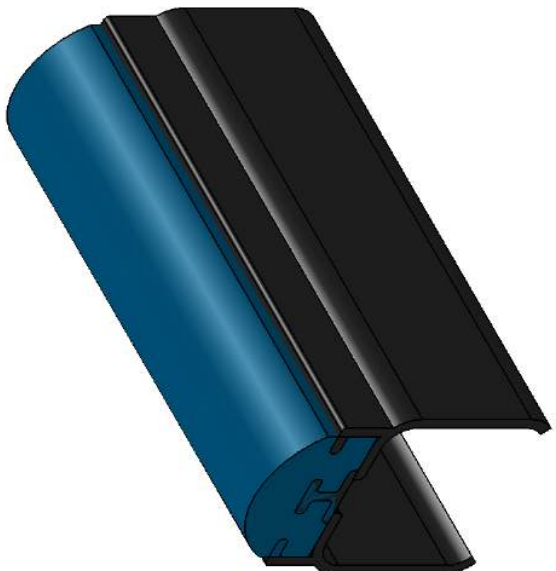
THIRD ANGLE PROJECTION		PROPERTY AND CONFIDENTIAL	
<p>UNLESS OTHERWISE SPECIFIED:</p> <p>ANGULAR = ± .5</p> <p>LINEAR = ± .005</p> <p>XXX = ± 0.001</p>		<p>THIS DRAWING IS THE PROPERTY OF C & D ENTERPRISES, INC. ANY REPRODUCTION OR TRANSMISSION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES IS STRICTLY PROHIBITED.</p>	
<p>MANUFACTURING TOLERANCES:</p> <p>UNLESS OTHERWISE SPECIFIED:</p> <p>ANGULAR = ± .5</p> <p>LINEAR = ± .005</p> <p>XXX = ± 0.001</p>		<p>THIS DRAWING IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN OR IMPROVE FUNCTION DURING TOOL BUILD.</p>	
NAME	DATE	CUSTOMER	DESCRIPTION
DRAWN	1/13/2013	N/A	N/A
CHECKED			
PROJECT			
SIZE	B	DWG. NO.	CD-043
REV		REV	
SCALE	1:1	WEIGHT	SHEET 1 OF 1

MATERIAL SPECIFICATIONS	
MATERIAL:	POLYURETHANE
COLOR:	BLACK
DENSITY:	N/A
HARDNESS:	N/A



CONCEPT ONLY

REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		



MATERIAL SPECIFICATIONS	
MATERIAL:	POLYURETHANE
COLOR:	BLACK
DENSITY:	N/A
HARDNESS:	N/A



CONCEPT ONLY

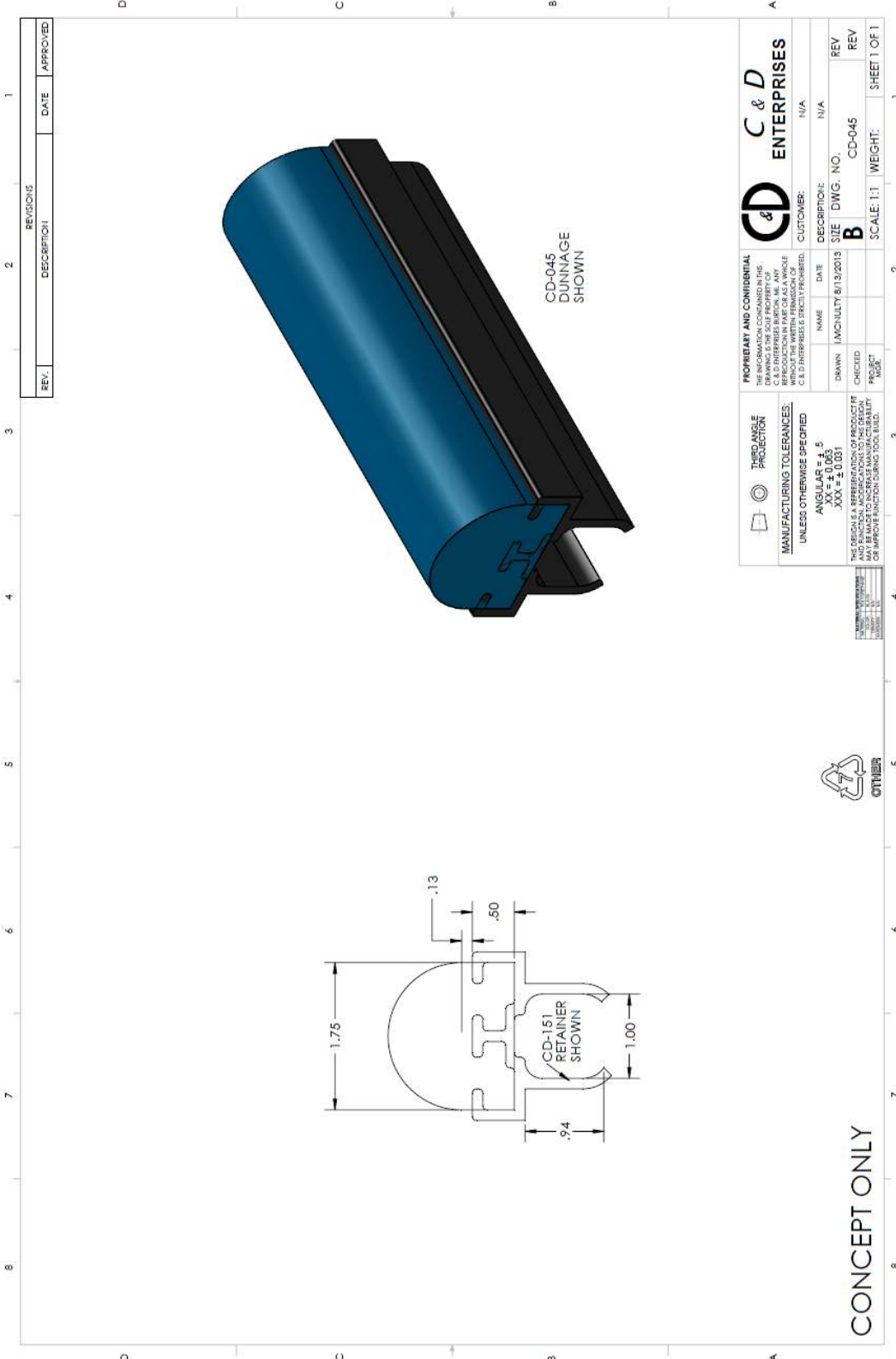
PROPERTY AND CONFIDENTIAL		C & D ENTERPRISES	
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF C & D ENTERPRISES. IT IS TO BE USED ONLY FOR THE SPECIFIC PROJECT AND AS A SINGLE REFERENCE. WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES IT IS STRICTLY PROHIBITED.</small>			
NAME	DATE	DESCRIPTION:	CUSTOMER:
DRAWN: JMC/ULLY 8/13/2013		SIZE: DWG. NO. B CD-044	N/A
CHECKED:		SCALE: 1:1	WEIGHT:
PROJECT:			SHEET 1 OF 1

THIRD ANGLE PROJECTION

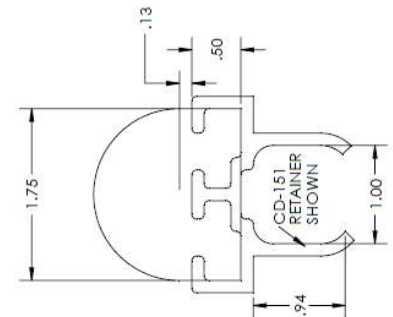
MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR ± .5
XXX = ± .001

THIS DRAWING IS A REPRESENTATION OF PRODUCT IT IS NOT A MANUFACTURING DRAWING. IT MAY BE USED FOR CONCEPTUALIZATION OR IMPROVEMENT DURING TOOL BUILD.

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CD-045
DUNNAGE
SHOWN



REVISIONS		
REV.	DESCRIPTION	DATE

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MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED:
ANGULAR ± .5
XX ± 0.063
XXX ± 0.031

THIS DESIGN IS A REPRESENTATION OF PRODUCT FOR CONCEPT DEVELOPMENT ONLY. IT IS NOT TO BE USED FOR MANUFACTURE OR IMPROVE FUNCTION DURING TOOL BUILD.

CD & D ENTERPRISES

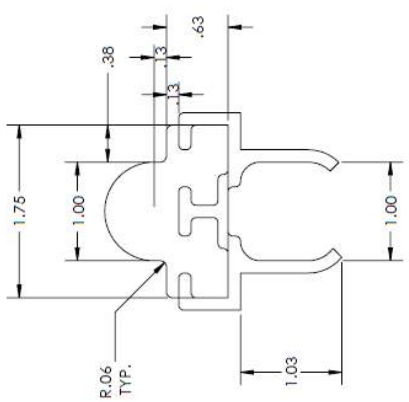
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DATE: N/A
DESCRIPTION: N/A
DRAWN: N/A
CHECKED: N/A
PROJECT: N/A
DWG. NO.: CD-045
SCALE: 1:1
WEIGHT: N/A
REV: N/A
REV: N/A
SHEET 1 OF 1



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REV.	DESCRIPTION	DATE	APPROVED



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THIRD ANGLE PROJECTION

MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 ANGULAR = ± .5
 DIMENSIONS = ± .005
 XXX = ± 0.031

THE DESIGN IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN OR APPROVE FUNCTION DURING TOOL BUILD.

CD C & D ENTERPRISES

NAME: R. SMITH DATE: 8/13/2013 CUSTOMER: COMP: DEIC: REV: REV: REV: SHEET 1 OF 1

DRAWN: DWG. NO.: CD-047 SCALE: 1:1 WEIGHT: PAGE: PAGE:

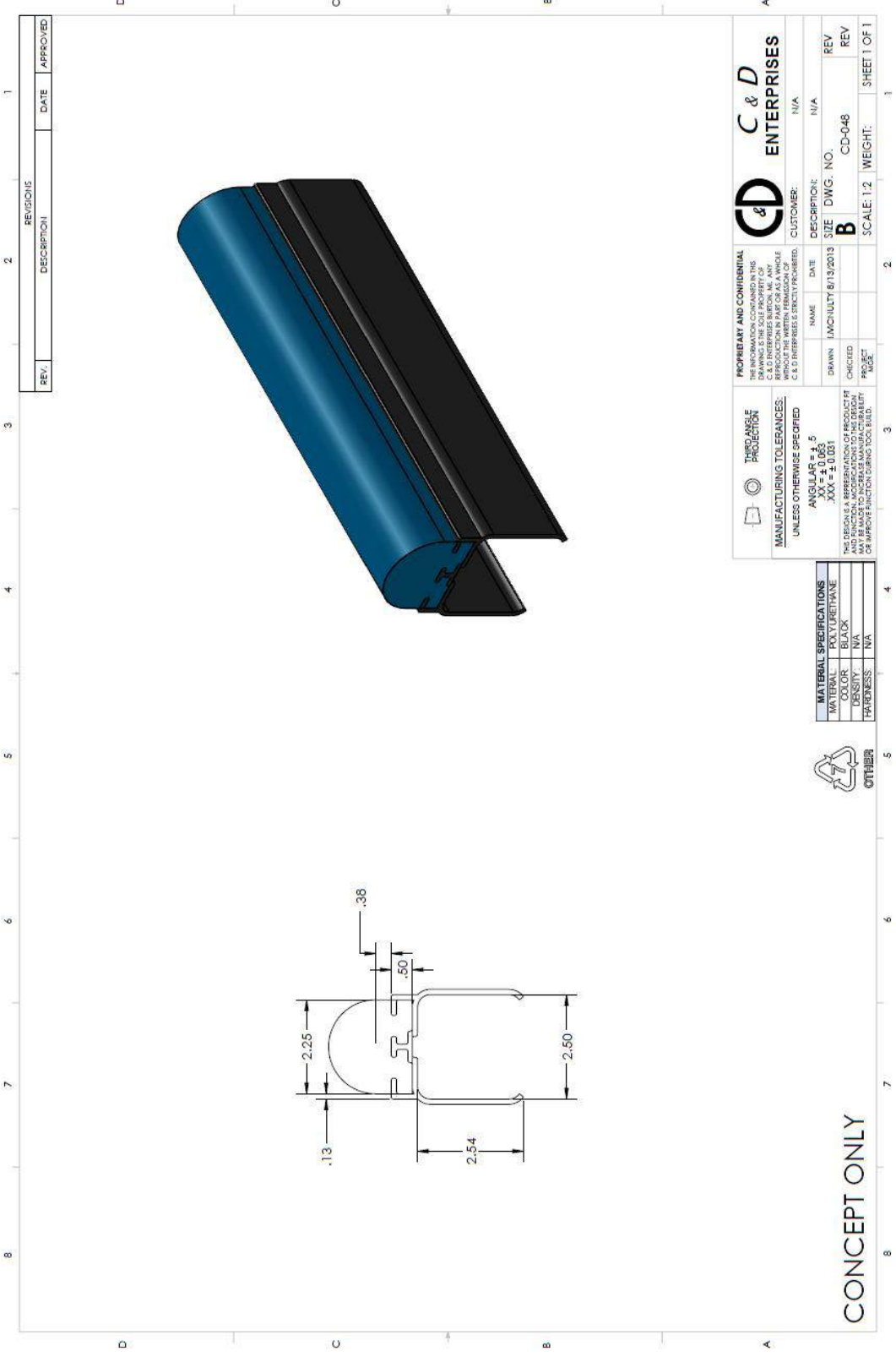
MATERIAL SPECIFICATIONS

MATERIAL	POLYURETHANE
COLOR	BLACK
DENSITY	27 PCF
HARDNESS	65 SHORE A



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REVISIONS		DATE	APPROVED
REV.	DESCRIPTION		

THIRD ANGLE PROJECTION

MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED:
ANGULAR = ± .5
DIMENSIONS = ± .015
XXX = ± 0.001

THE DESIGN IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN OR IMPROVE FUNCTION USING TOOL, BUILD, PROJECT

PROPRIETARY AND CONFIDENTIAL
THIS DRAWING IS THE SOLE PROPERTY OF C & D ENTERPRISES. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES. (S.M.C. 11/13/2013)

C & D ENTERPRISES

NAME: N/A
DATE: N/A
DESCRIPTION: N/A
DRAWN: IMC/MULTY 8/13/2013
CHECKED: []
PROJECT: []

CUSTOMER: N/A
SIZE: B
DWG. NO.: CD-048
SCALE: 1:2
WEIGHT: []
SHEET 1 OF 1

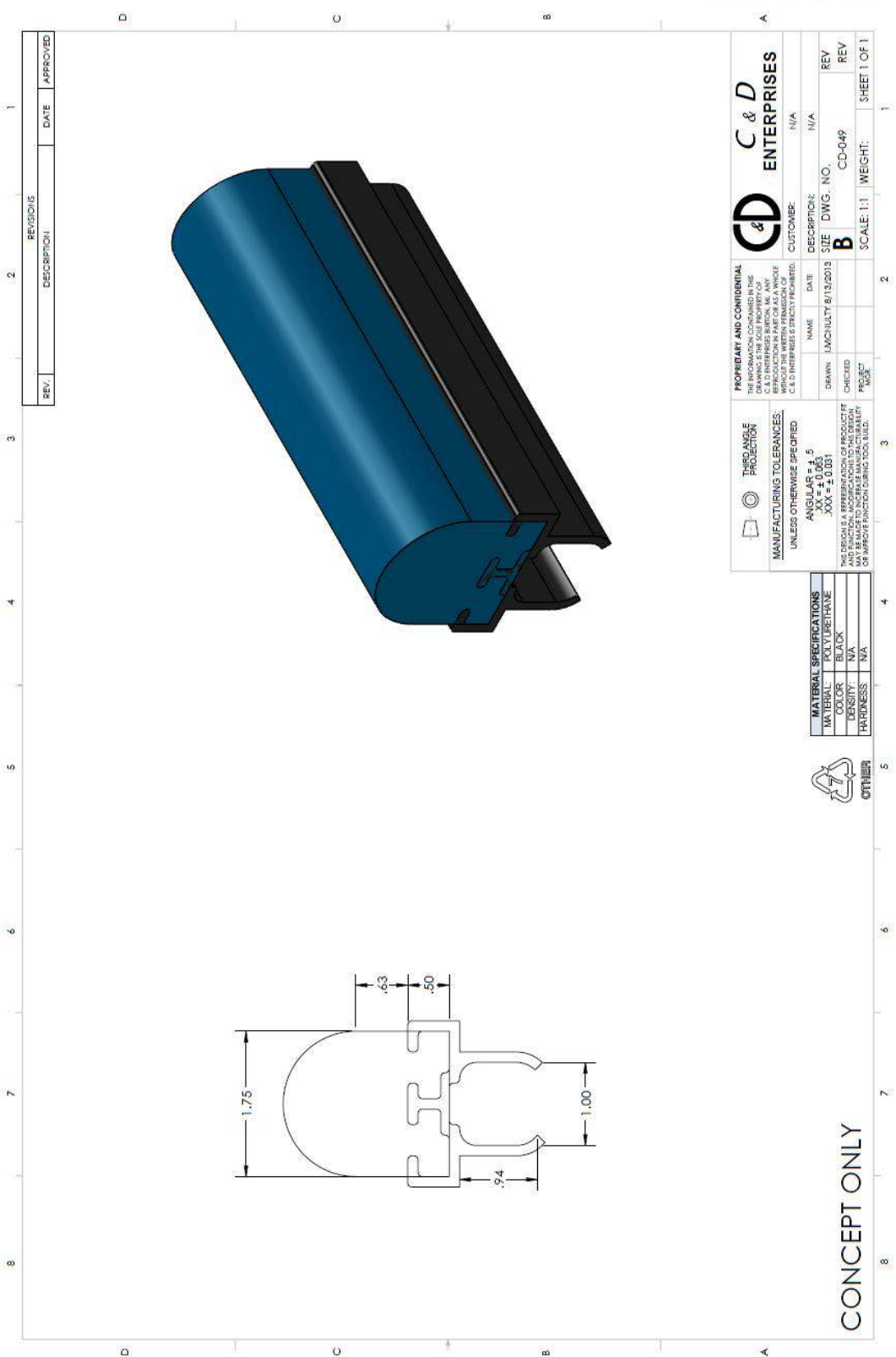
MATERIAL SPECIFICATIONS

MATERIAL	POLYURETHANE
COLOR	BLACK
DENSITY	N/A
HARDNESS	N/A



CONCEPT ONLY

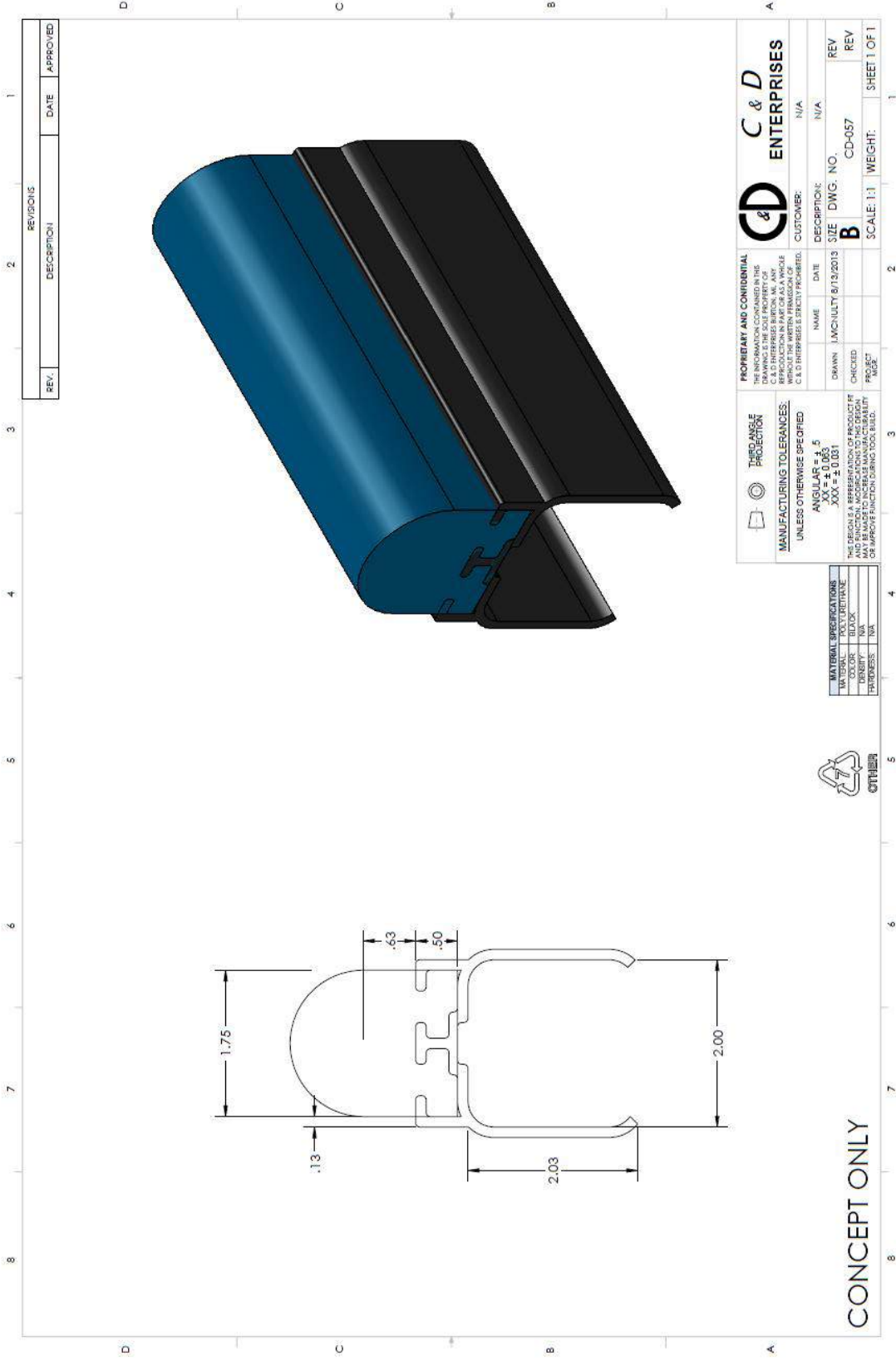
REV.	DESCRIPTION	DATE	APPROVED



THIRD ANGLE PROJECTION		PROPRIETARY AND CONFIDENTIAL	
UNLESS OTHERWISE SPECIFIED: ANGULAR TOLERANCES XXX = 4.001		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF C & D ENTERPRISES. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES. PROJECT NUMBER: N/A	
MATERIAL SPECIFICATIONS		C & D ENTERPRISES	
MATERIAL:	POLYURETHANE	NAME:	N/A
COLOR:	BLACK	DATE:	N/A
DENSITY:	N/A	DESCRIPTION:	N/A
HARDNESS:	N/A	SIZE:	DWG. NO. B
OTHER:		CHECKED:	CD-049
		DATE:	8/13/2013
		SCALE:	1:1
		WEIGHT:	1
		SHEET:	1 OF 1



CONCEPT ONLY



REV.	DESCRIPTION	DATE	APPROVED

PROPRIETARY AND CONFIDENTIAL
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C & D ENTERPRISES

NAME: N/A DATE: N/A DESCRIPTION: N/A
 DRAWN: JMC/NULTY 6/13/2013 SIZE: DWG. NO. REV
 CHECKED: CD-057 CD-057 REV
 PAGES: 1 SCALE: 1:1 WEIGHT: SHEET 1 OF 1

THE CHANCE PROTECTION
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 ANGULAR: 0.015, 0.03, 0.05
 XXX ± 0.031

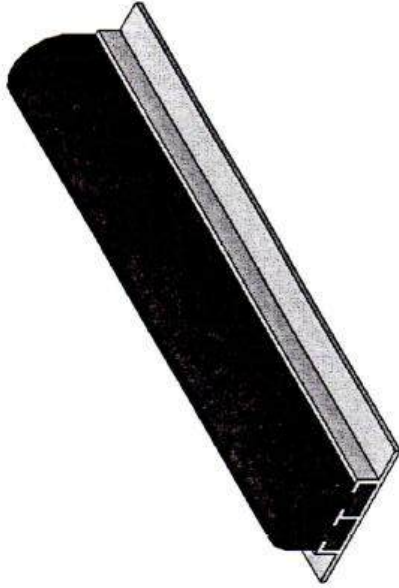
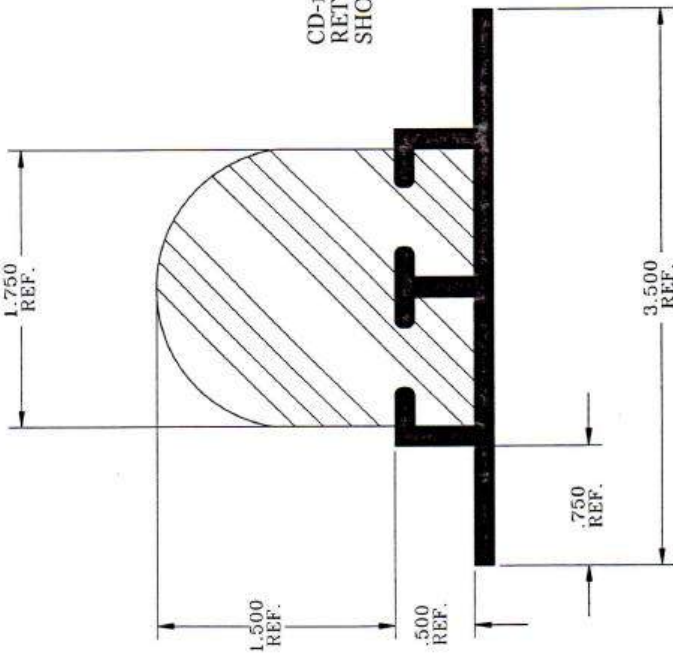
THIS DESIGN IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN AND DIMENSIONS WILL BE MADE TO IMPROVE OR IMPROVE FUNCTION DURING TOOL BUILD.

MATERIAL SPECIFICATIONS

TYPICAL	
TENSILE	
YIELD	
DENSITY	
THICKNESS	

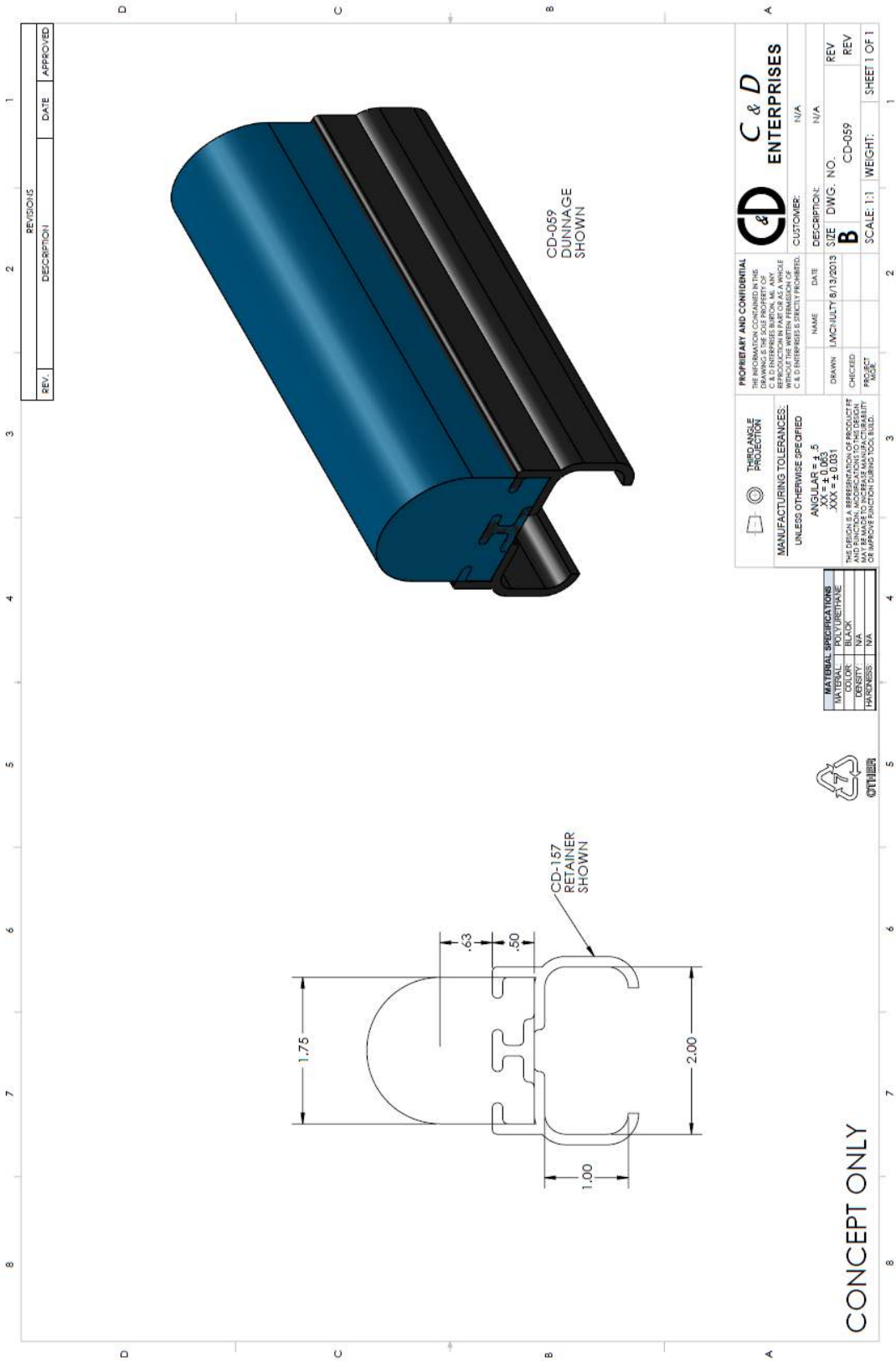


CONCEPT ONLY



 ENTERPRISES <small>ESTABLISHED 1977</small>	1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470	ISO 9001:2000 Registered
	MATERIALS: PVC & URETHANE TITLE: SNAP ON DUNNAGE™ CUSHION HALF ROUND	DATE: 7/23/04 REV. DATE: 3/02/05
THIRD ANGLE PROJECTION DO NOT SCALE DRAWING MANUFACTURING TOLERANCES UNLESS OTHERWISE SPECIFIED ANGULAR = $\frac{2}{5}$ XX = $\frac{1}{16}$ XXX = $\frac{1}{32}$	C&D# CD-058	

NOTE:
 THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.



REV.	DESCRIPTION	DATE	APPROVED

UNCONTROLLED WHEN PRINTED IN PDF FORM

PROPRIETARY AND CONFIDENTIAL
 THIS DRAWING IS THE SOLE PROPERTY OF
 C & D ENTERPRISES BURLINGTON, MA. ANY
 REPRODUCTION OR TRANSMISSION OF THIS
 DRAWING WITHOUT THE WRITTEN PERMISSION OF
 C & D ENTERPRISES IS STRICTLY PROHIBITED.

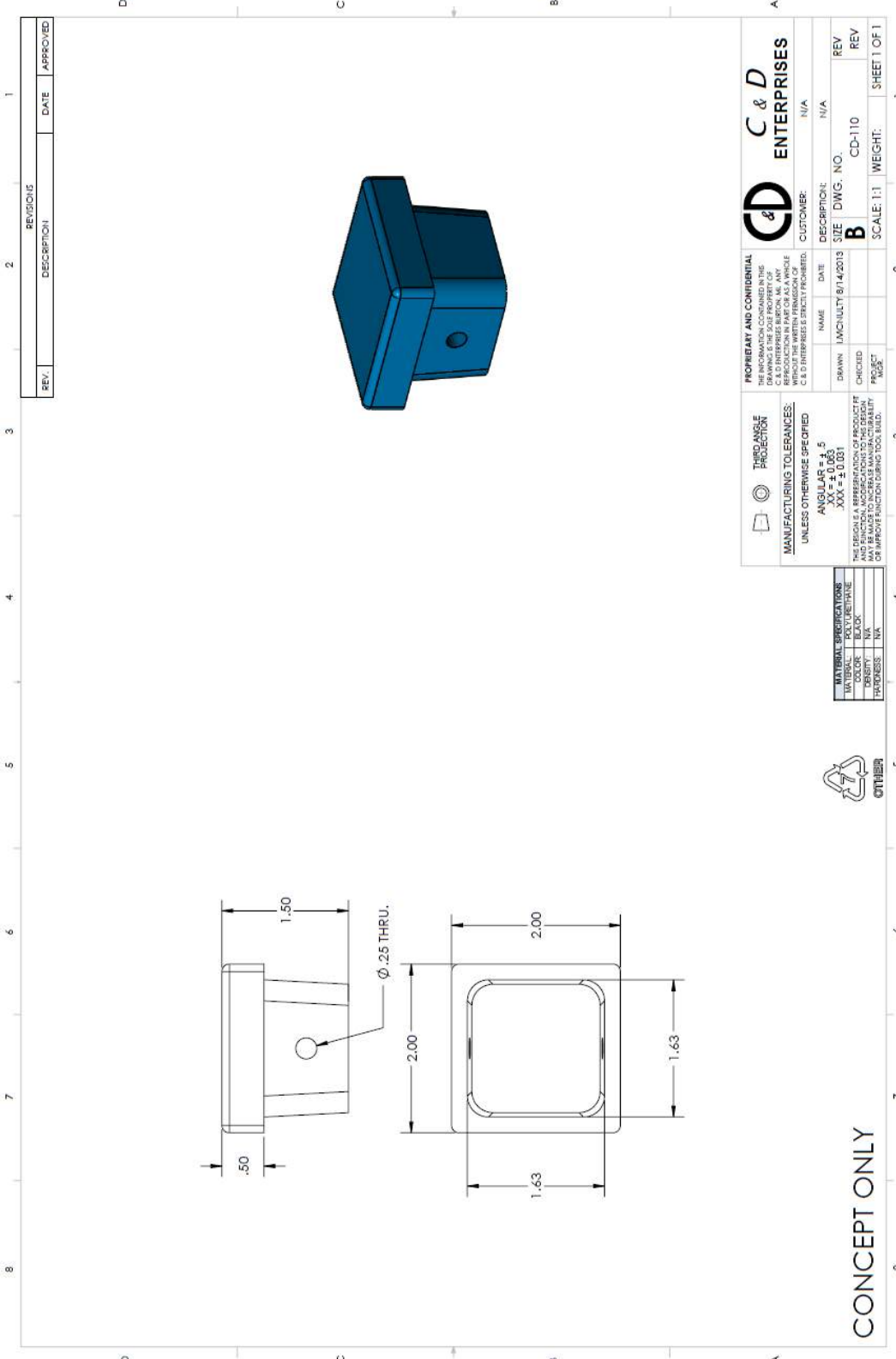
C & D
ENTERPRISES

NAME: N/A
 DATE: N/A
 DRAWN: JMC/JULY 8/13/2013
 CHECKED: B
 PROJECT: CD-059
 SCALE: 1:1
 WEIGHT: SHEET 1 OF 1

MATERIAL SPECIFICATIONS
MATERIAL: POLYURETHANE
WALL THICKNESS: N/A
DENSITY: N/A
HARDNESS: N/A



CONCEPT ONLY



REV.	DESCRIPTION	DATE	APPROVED

PROPERTY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF C & D ENTERPRISES. NO REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES IS BEING FORWARDED.

THIRD ANGLE PROJECTION
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 ANGULARS ±.5
 DIMENSIONS .XXX ±.0.031

THIS DRAWING IS A REPRESENTATION OF PRODUCT IT IS NOT A MANUFACTURING DRAWING. IT IS SUBJECT TO VARIATIONS IN MANUFACTURABILITY OR IMPROVE FUNCTION DURING TOOL BUILD.

C & D ENTERPRISES
 CUSTOMER: N/A
 DESCRIPTION: N/A
 DRAWN: LMC/HULTY 8/14/2018
 SIZE: DWG. NO. B
 CD-110
 SCALE: 1:1
 WEIGHT: SHEET 1 OF 1

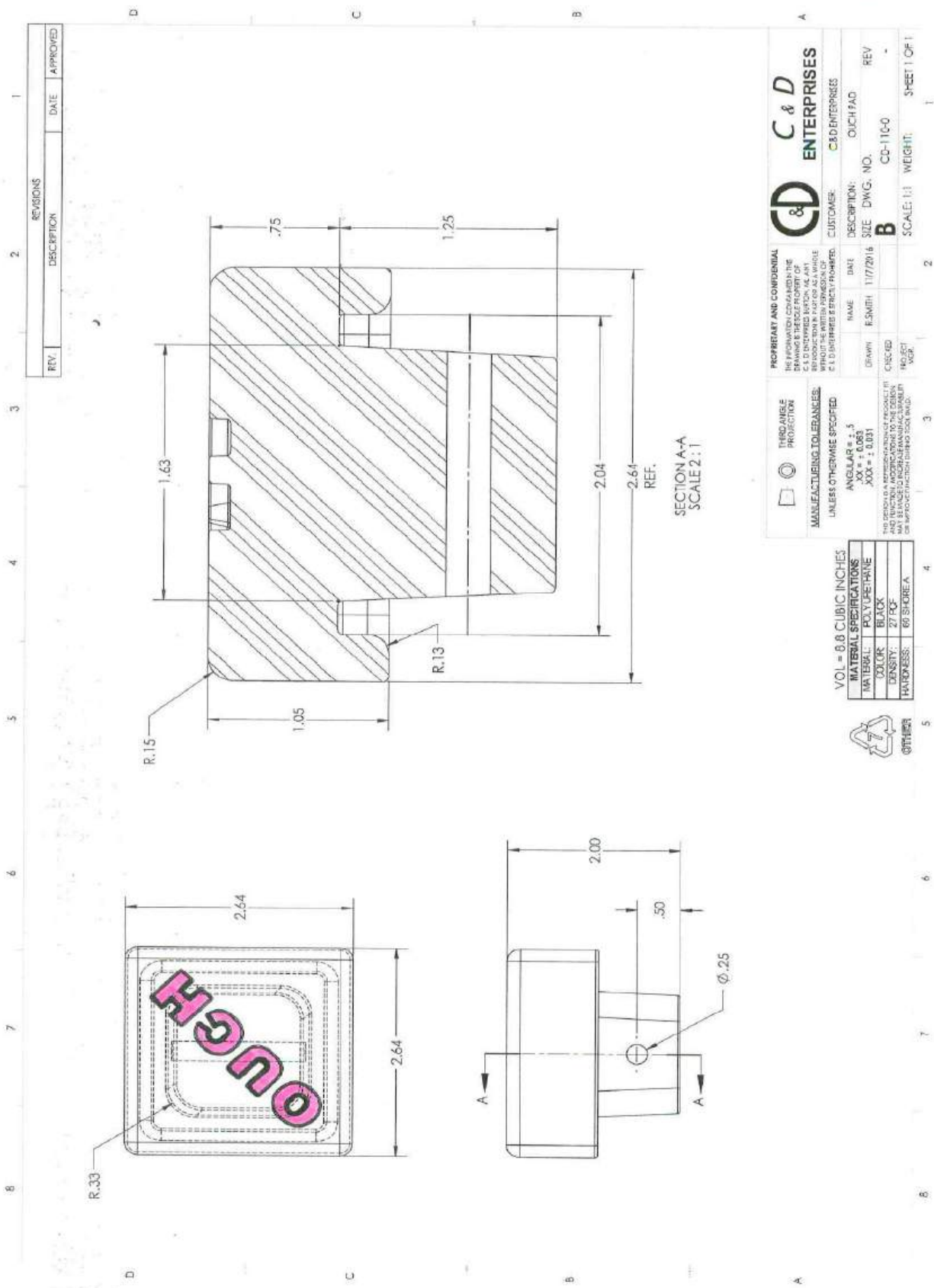
MATERIAL SPECIFICATIONS

WARRANTY	
COLOR	BLACK
DENSITY	N/A
HARDNESS	N/A



CONCEPT ONLY

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SECTION A-A
SCALE 2:1

REV.	DESCRIPTION	DATE	APPROVED

UNCONTROLLED WHEN PRINTED OR REPRODUCED

C & D ENTERPRISES

PROPRIETARY AND CONFIDENTIAL
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THIRD ANGLE PROJECTION
MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED
ANGULAR ± 5
XX ± 0.03
XXX ± 0.01

NO DESIGN OR MANUFACTURING PRODUCT IS TO BE USED IN ANY APPLICATION WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

VOL = 0.8 CUBIC INCHES
MATERIAL SPECIFICATIONS
MATERIAL: POLYURETHANE
COLOR: BLACK
DENSITY: 27 PCF
HARDNESS: 69 SHORE A

OTHER

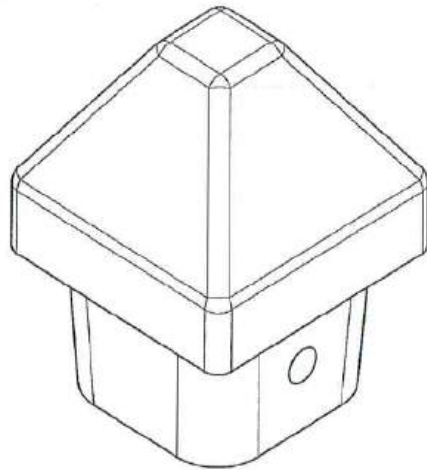
CUSTOMER: C&D ENTERPRISES
DESCRIPTION: OUCH PAD
SIZE: DWG. NO. CC-110-0
REV: -

DRAWN: E. SMITH
DATE: 11/7/2016
CHECKED: -
PROJECT: -

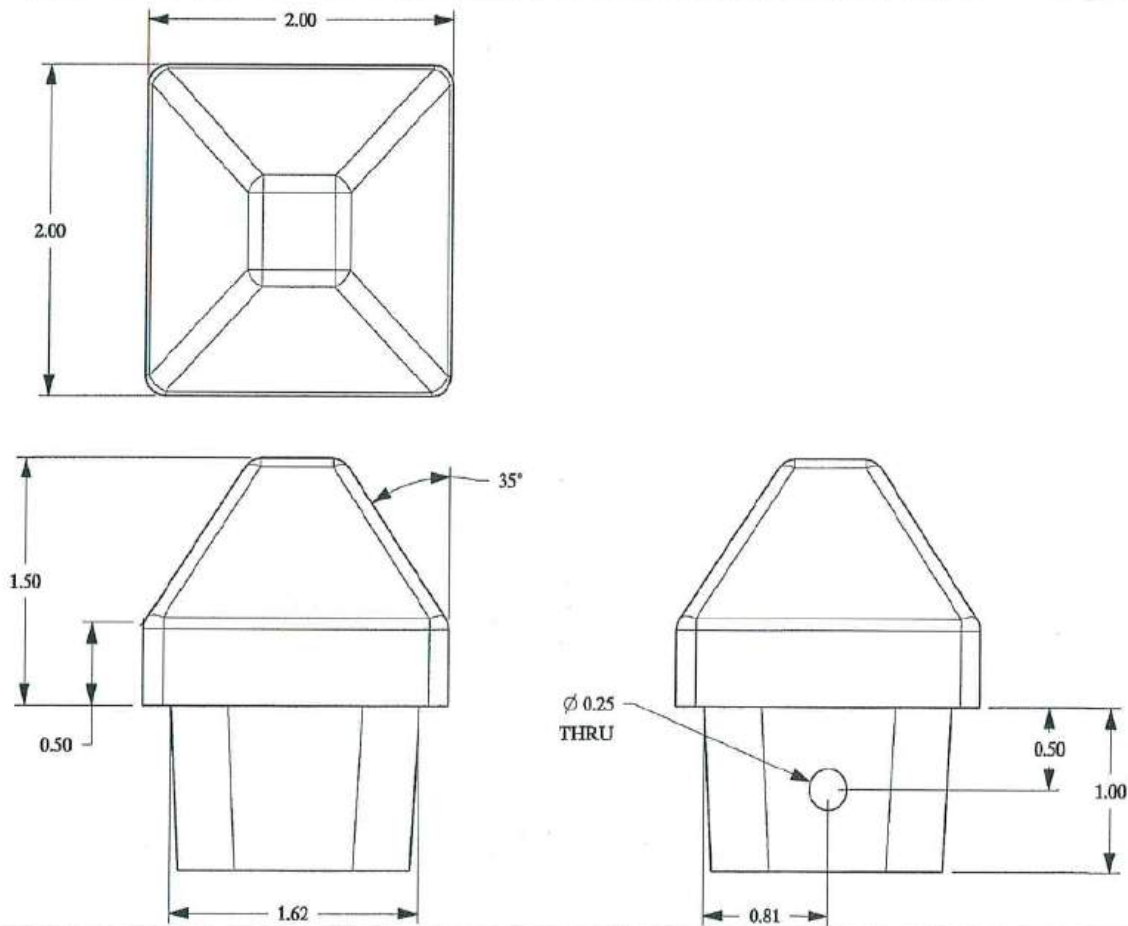
SCALE: 1:1 WEIGHT: SHEET 1 OF 1

C&D ENTERPRISES

CD-110-A

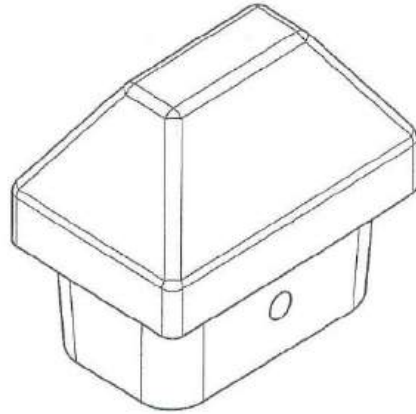


NAME: 2.00 X 2.00 TUBING PANEL STOP LEAD-IN

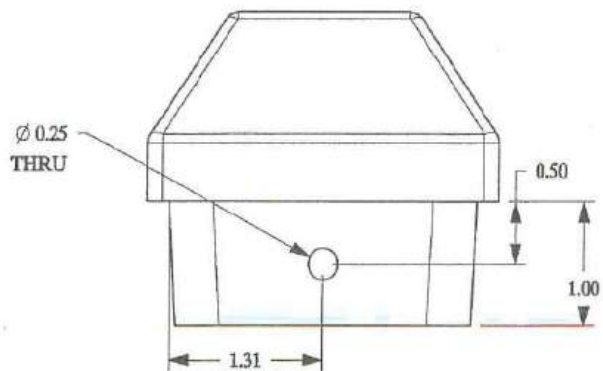
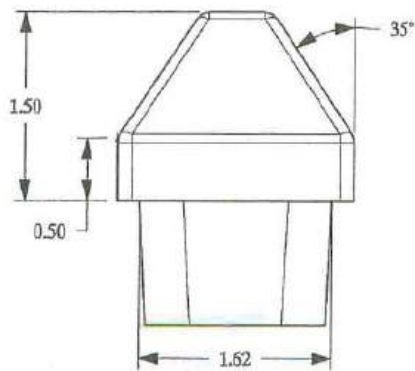
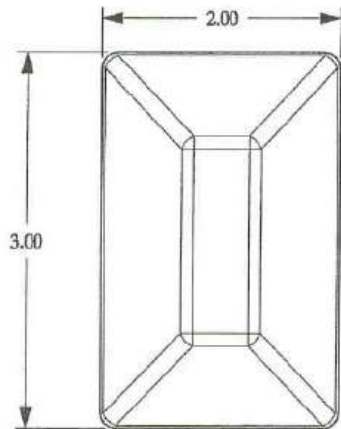


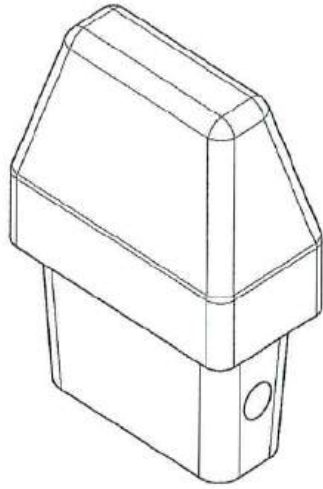
C&D ENTERPRISES

CD-110-B

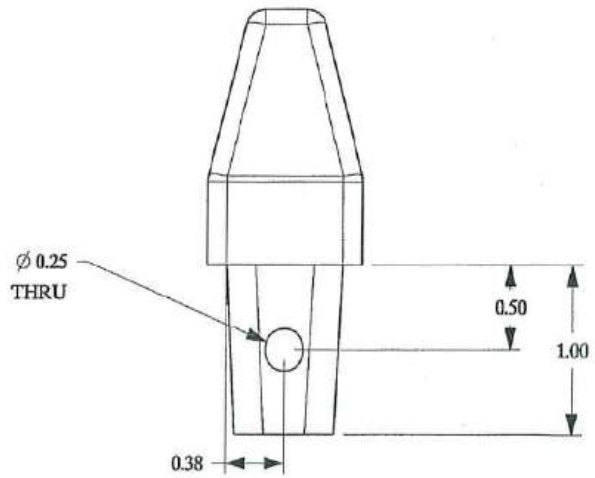
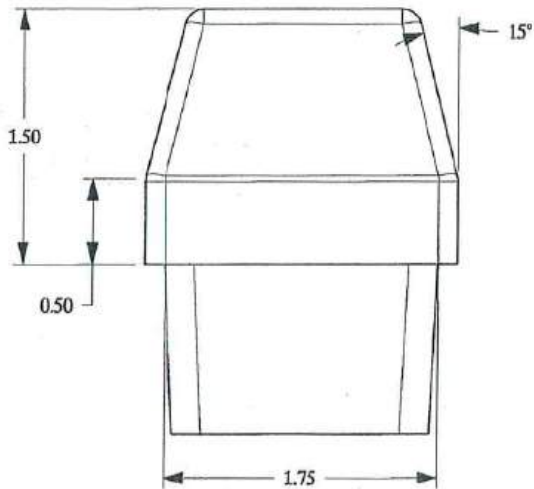
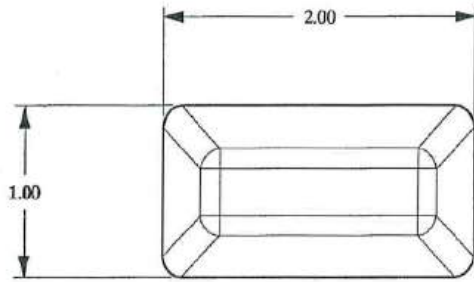


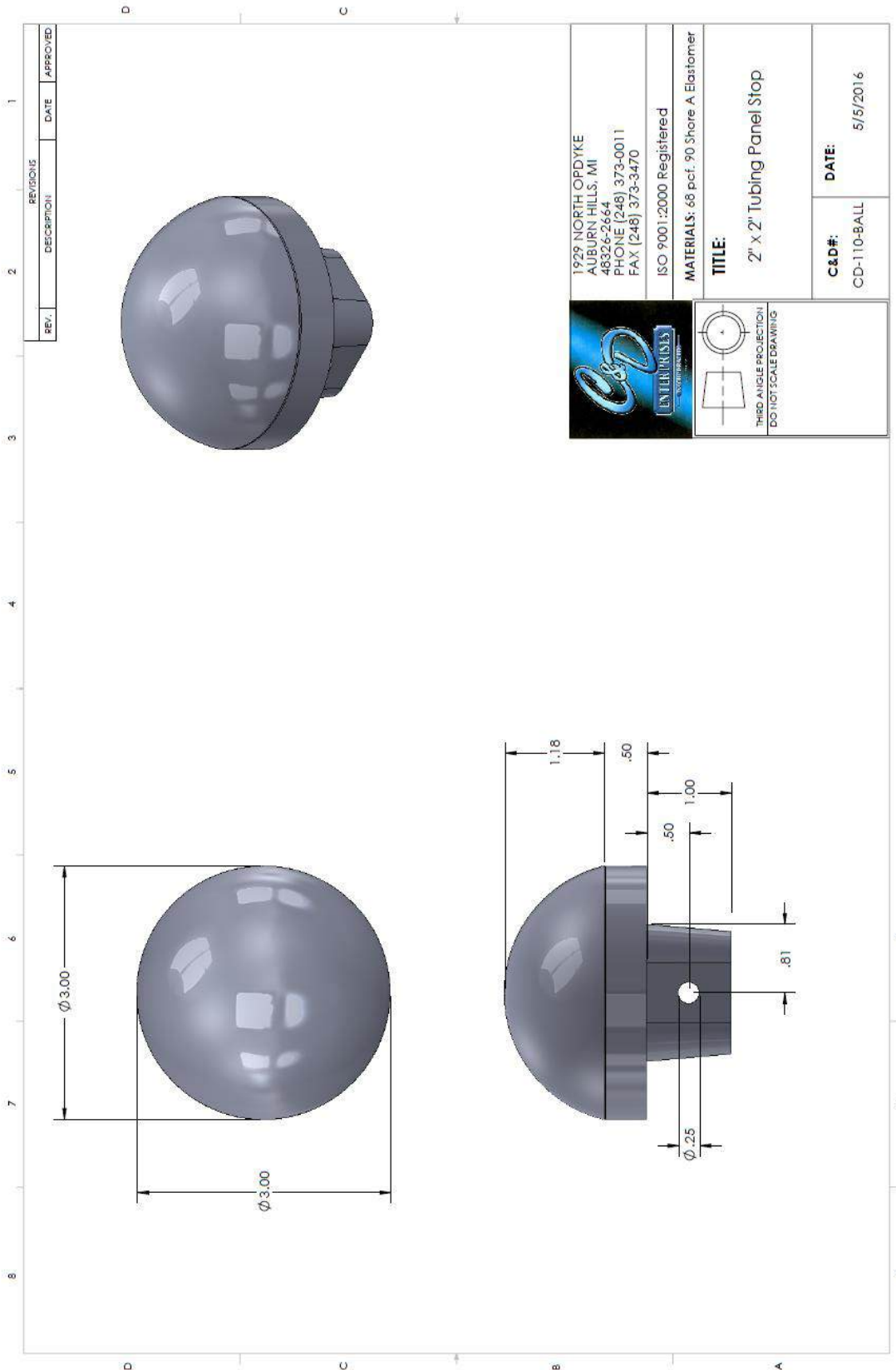
NAME: 3.00 X 2.00 TUBING PANEL STOP LEAD-IN



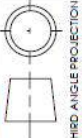


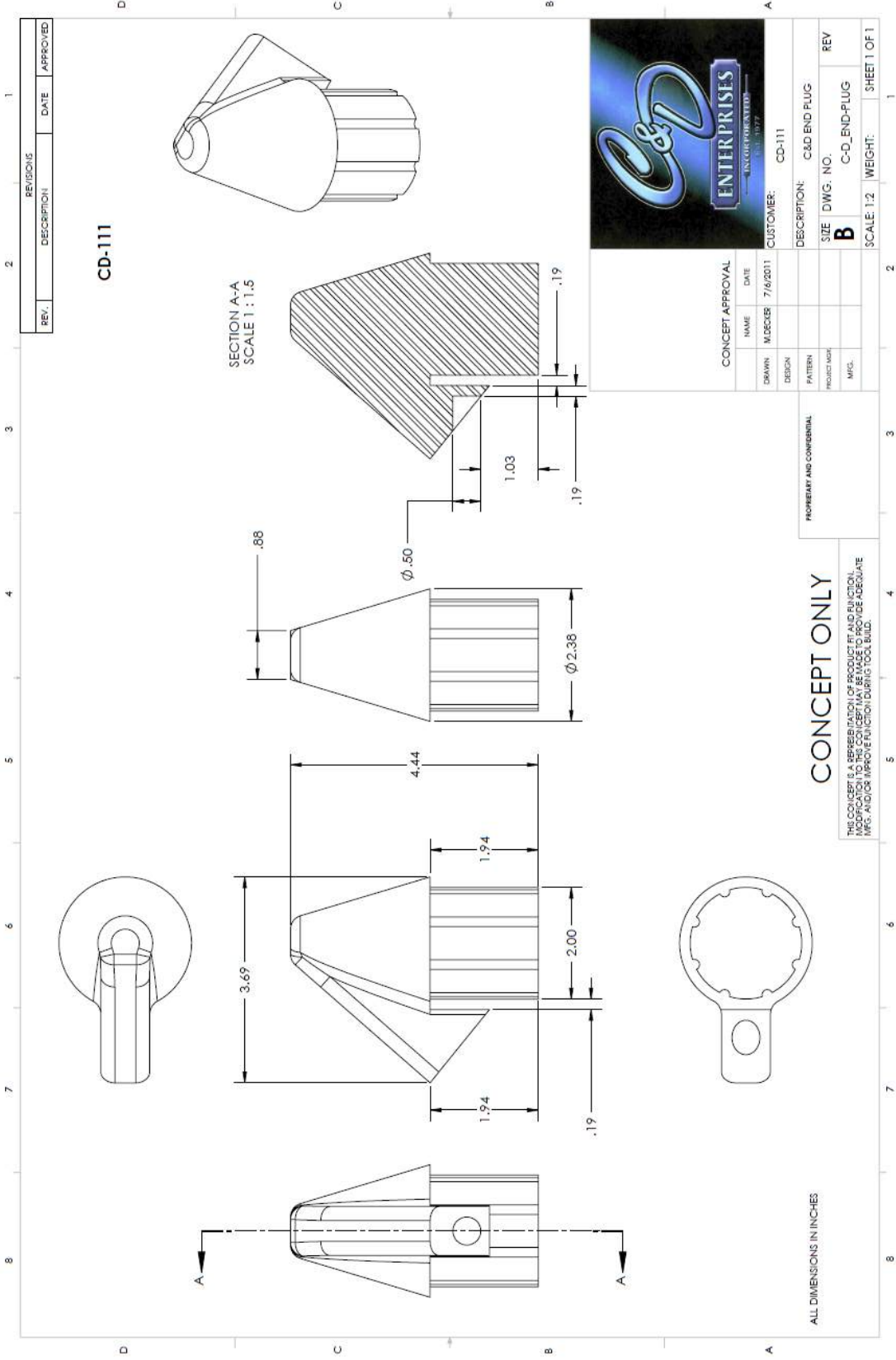
NAME: 2.00 X 1.00 TUBING PANEL STOP LEAD-IN

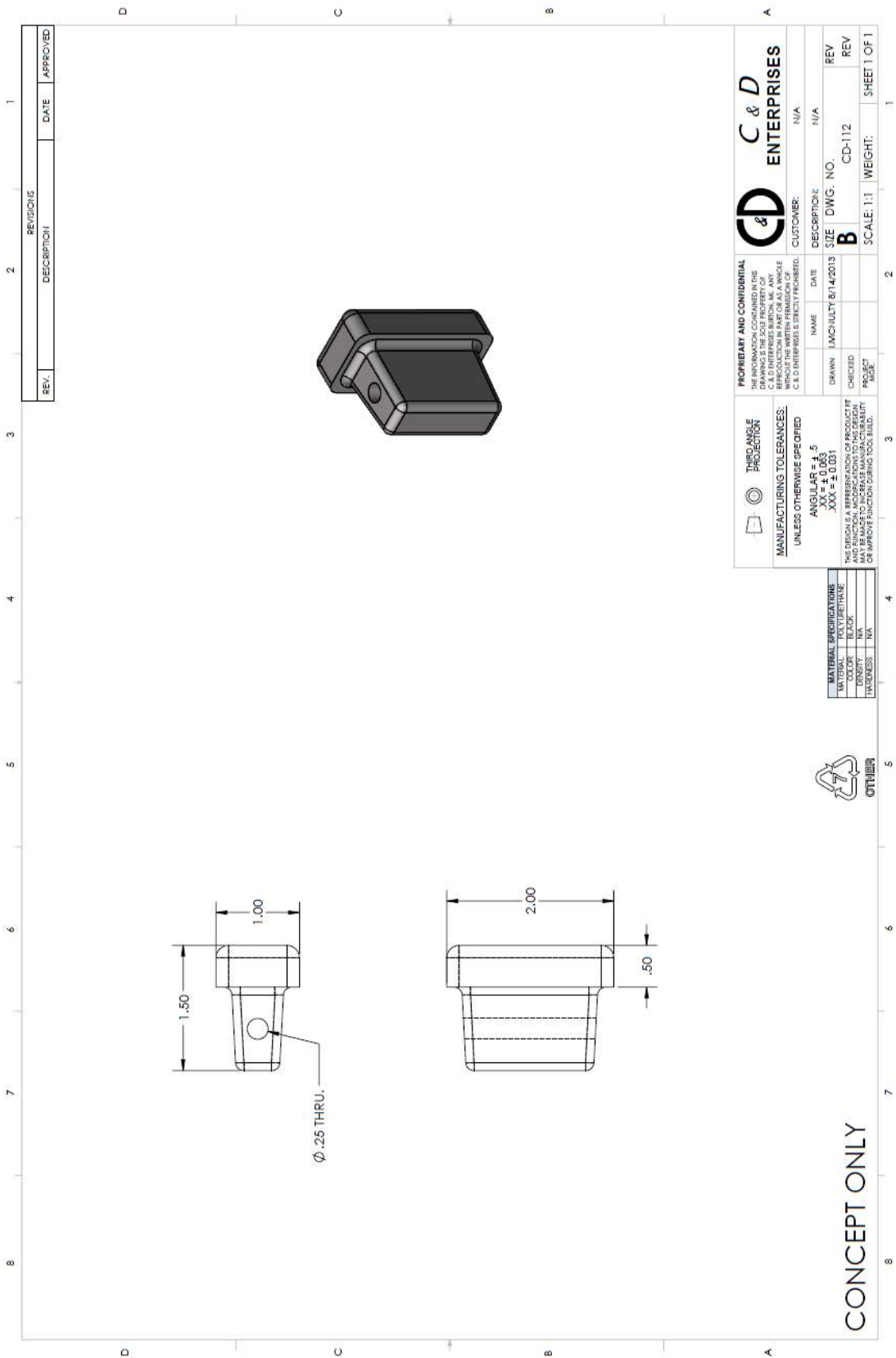




	1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470
	ISO 9001:2000 Registered MATERIALS: .68 pct. 90 Shore A Elastomer
TITLE: 2" x 2" Tubing Panel Stop	
C&D#: CD-110-BALL	DATE: 5/5/2016


 THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING





REV.	DESCRIPTION	DATE	APPROVED

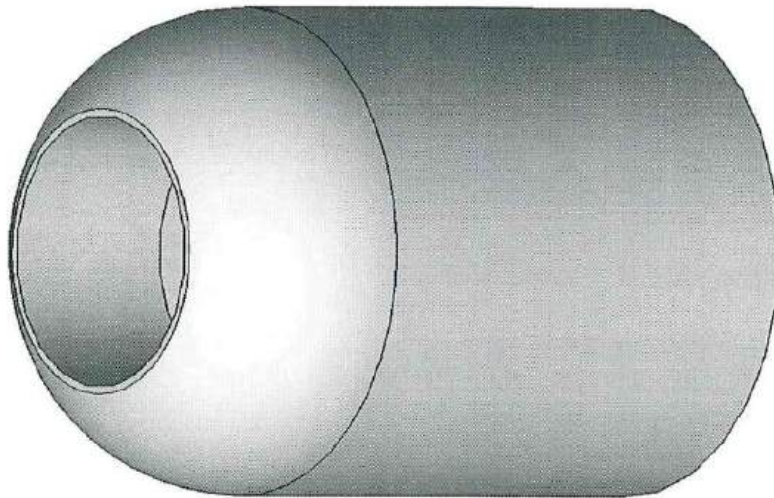
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF C & D ENTERPRISES & SHOULD NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES & DIRECTLY PROVIDED.		C & D ENTERPRISES	
NAME	DATE	DESCRIPTION	CUSTOMER
			N/A
DRAWN	DATE	SIZE	DWG. NO.
		B	CD-112
CHECKED			REV
PROJECT			REV
			WEIGHT: 1.1
			SHEET 1 OF 1

THIRD ANGLE PROJECTION	
UNLESS OTHERWISE SPECIFIED:	
ANGULAR	$\pm .5$
XX	± 0.003
XXX	± 0.031

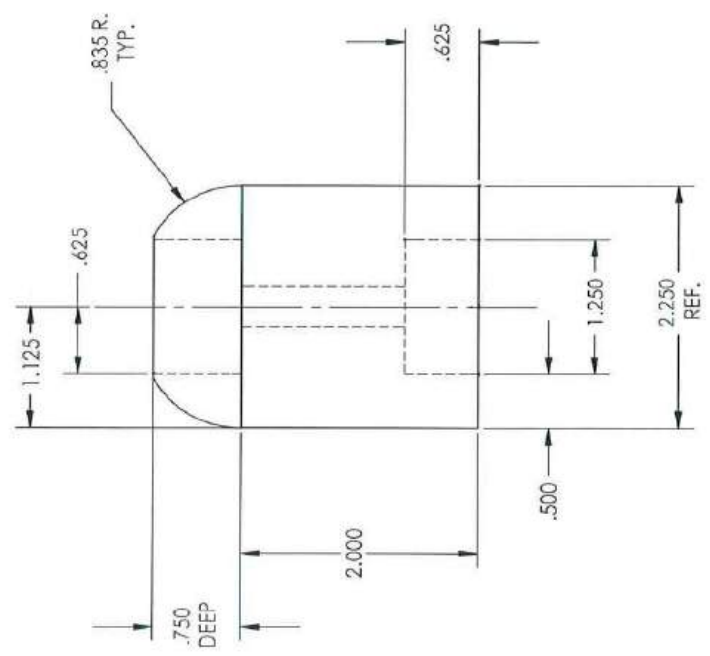
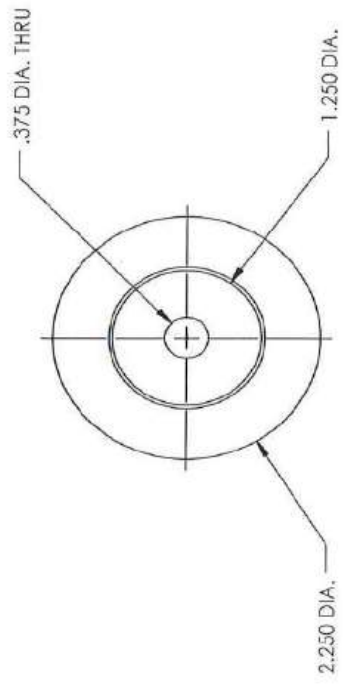
MATERIAL SPECIFICATIONS	
TOLERANCE	
COLOR	BLACK
DENSITY	N/A
HARDNESS	T N/A



CONCEPT ONLY



 C & D Enterprises, Inc.			
TITLE CD-116 BUMP Pad/Stop Damage		PART CD-116	
QUANTITY 1	PART NAME CD-116	QUANTITY 1	PART NAME CD-116
DATE 11/11/11	DRAWN J. J. J.	DATE 11/11/11	DRAWN J. J. J.
CHECKED J. J. J.	APPROVED J. J. J.	CHECKED J. J. J.	APPROVED J. J. J.
MANUFACTURING TOLERANCES ANGULAR ± .5 XX ± .06 .XX ± .01		MANUFACTURING TOLERANCES ANGULAR ± .5 XX ± .06 .XX ± .01	
DIM. SET REF. DIM./FIT UNLESS	DIM. SET REF. DIM./FIT UNLESS	DIM. SET REF. DIM./FIT UNLESS	DIM. SET REF. DIM./FIT UNLESS



MATERIAL SPECIFICATIONS	
MATERIAL	POLYURETHANE
COLOR	BLACK
DENSITY	1.197
ROHS COMPLIANT	NO
UNITS	IN - U.S.

1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED SHALL BE TO THE CENTER OF THE PART.
 2. NO MATERIAL SUBSTITUTION ALLOWED.
 3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 4. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 5. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 6. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 7. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 8. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 9. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.
 10. ALL DIMENSIONS SHALL BE TO THE CENTER OF THE PART.

C & D Enterprises, Inc. CD-116 Bump Pad/Step Dummage	
TITLE CD-116 Bump Pad/Step Dummage	DATE 12-02-05 / 11/21/05
DRAWN 12-02-05 / 11/21/05	CHECKED 12-02-05 / 11/21/05
PART NO. CD-116	REV. 2

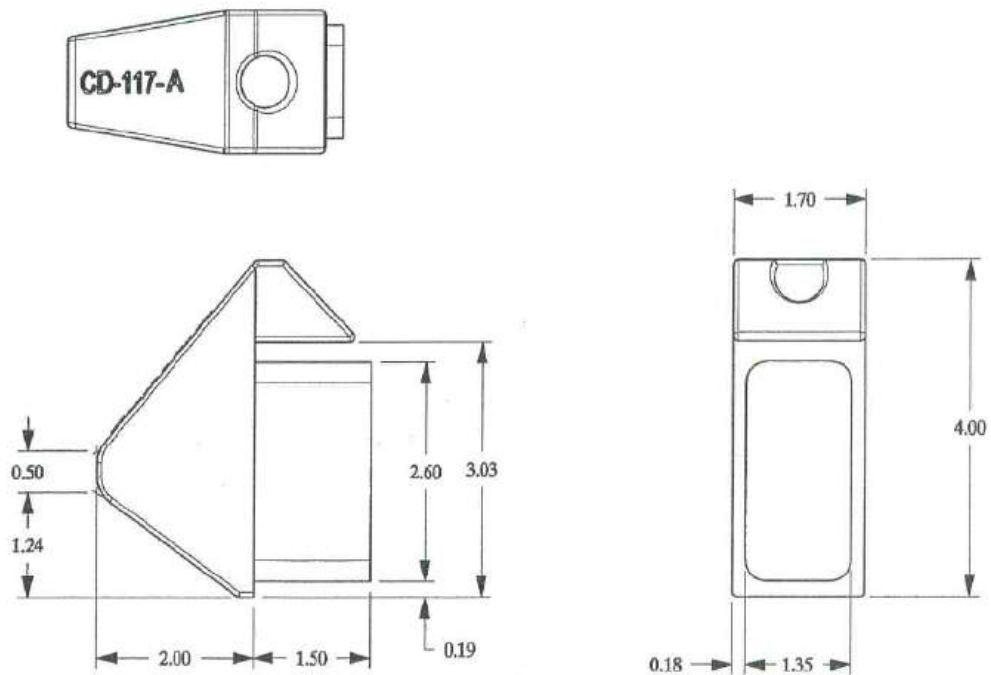
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED
 MANUFACTURING TOLERANCES:
 ANGULAR ± .5
 XX ± .06
 XXX ± .031

C&D ENTERPRISES

CD-117-A

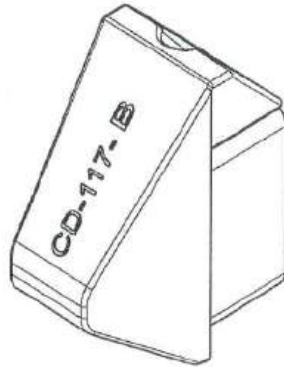


NAME: 3.00 X 1.50 TUBING PANEL STOP LEAD-IN

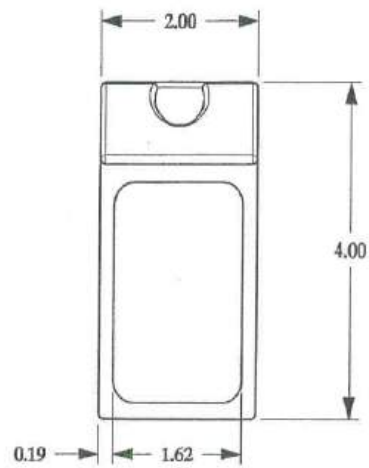
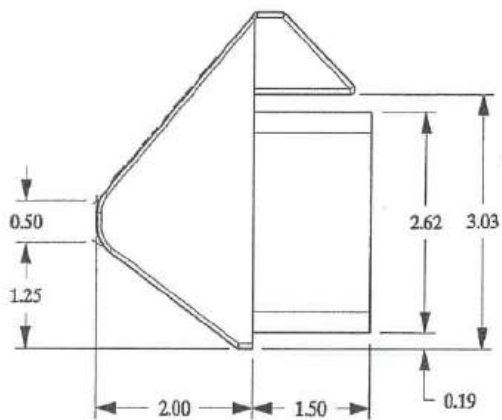
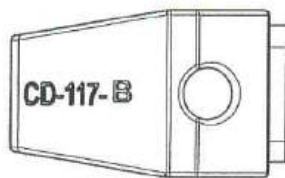


C&D ENTERPRISES

CD-117-B

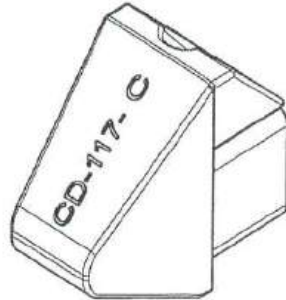


NAME: 3.00 X 2.00 TUBING PANEL STOP LEAD-IN

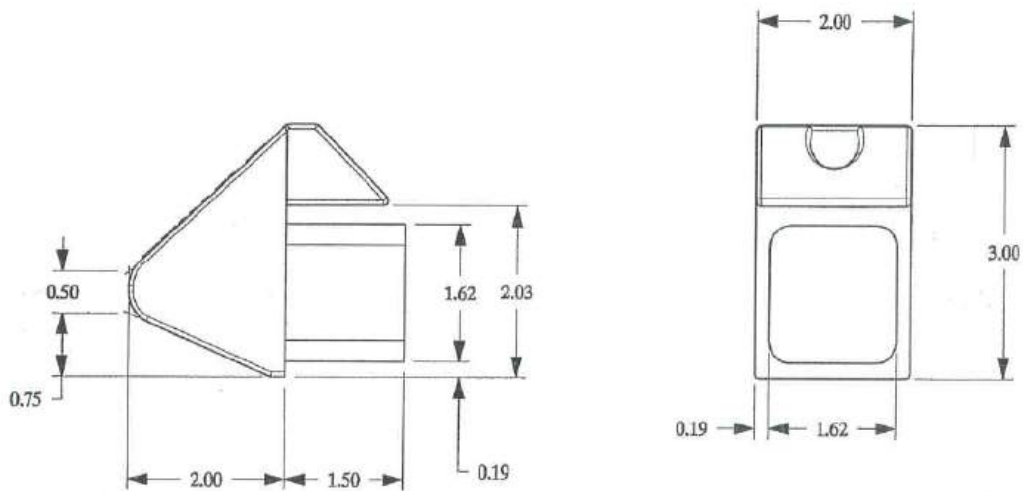
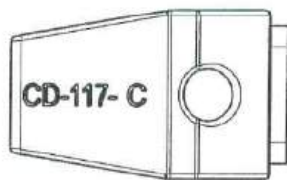


C&D ENTERPRISES

CD-117-C

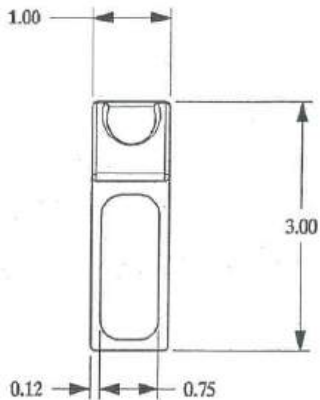
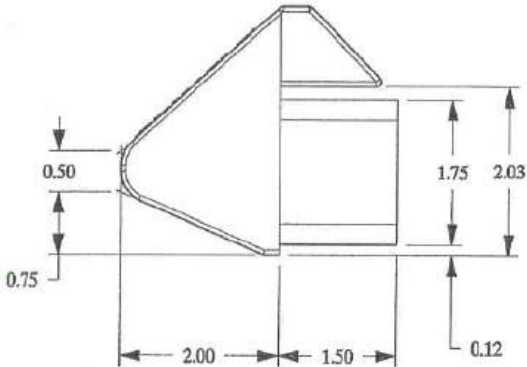
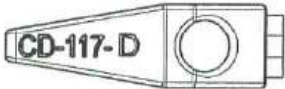


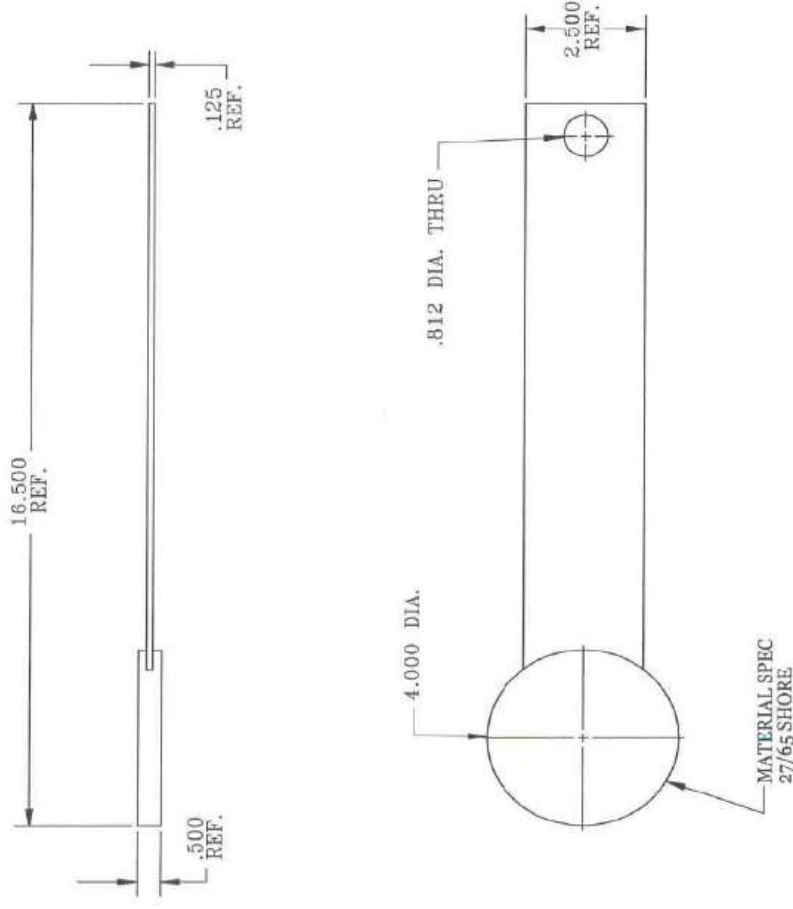
NAME: 2.00 X 2.00 TUBING PANEL STOP LEAD-IN





NAME: 2.00 X 1.00 TUBING PANEL STOP LEAD-IN



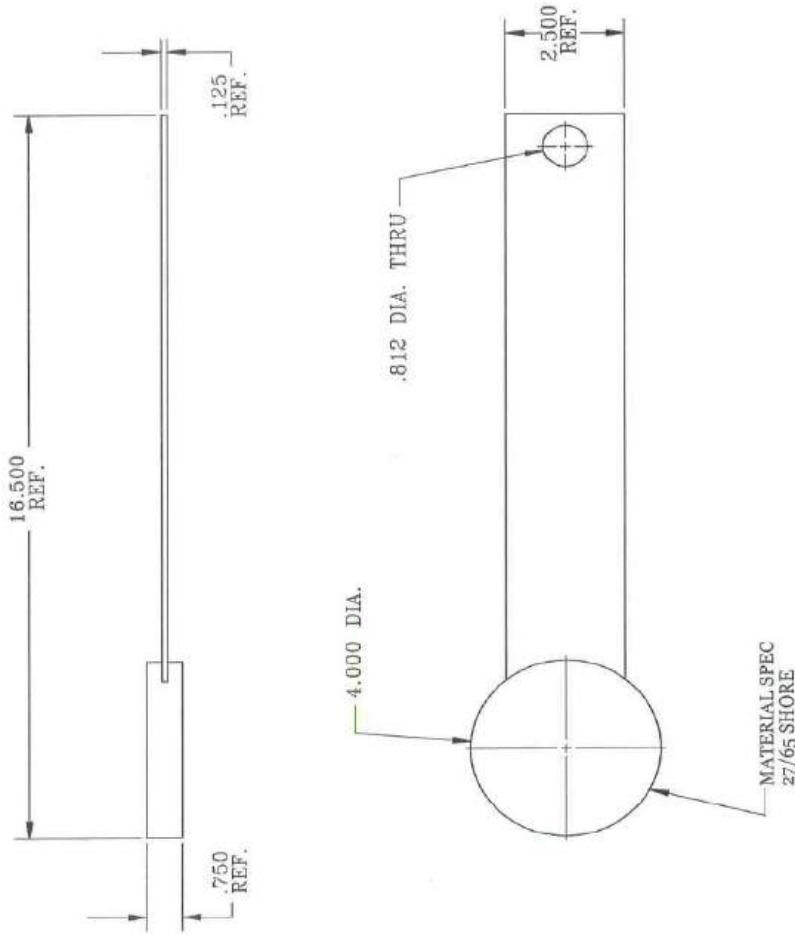
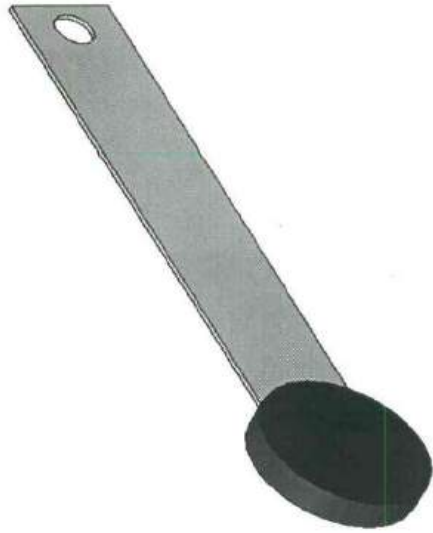


1929 NORTH OPDYKE
 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: PVC & URETHANE TITLE: GLASS SEPARATOR 1/2" SPACING	
C&D # CD-130	DATE: 7/23/04 REV. DATE: 3/02/05

DO NOT SCALE DRAWING
 THIRD ANGLE PROJECTION
 MANUFACTURING TOLERANCES
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 .XX = ± .05
 .XXX = ± .031



1929 NORTH OPDYKE
 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

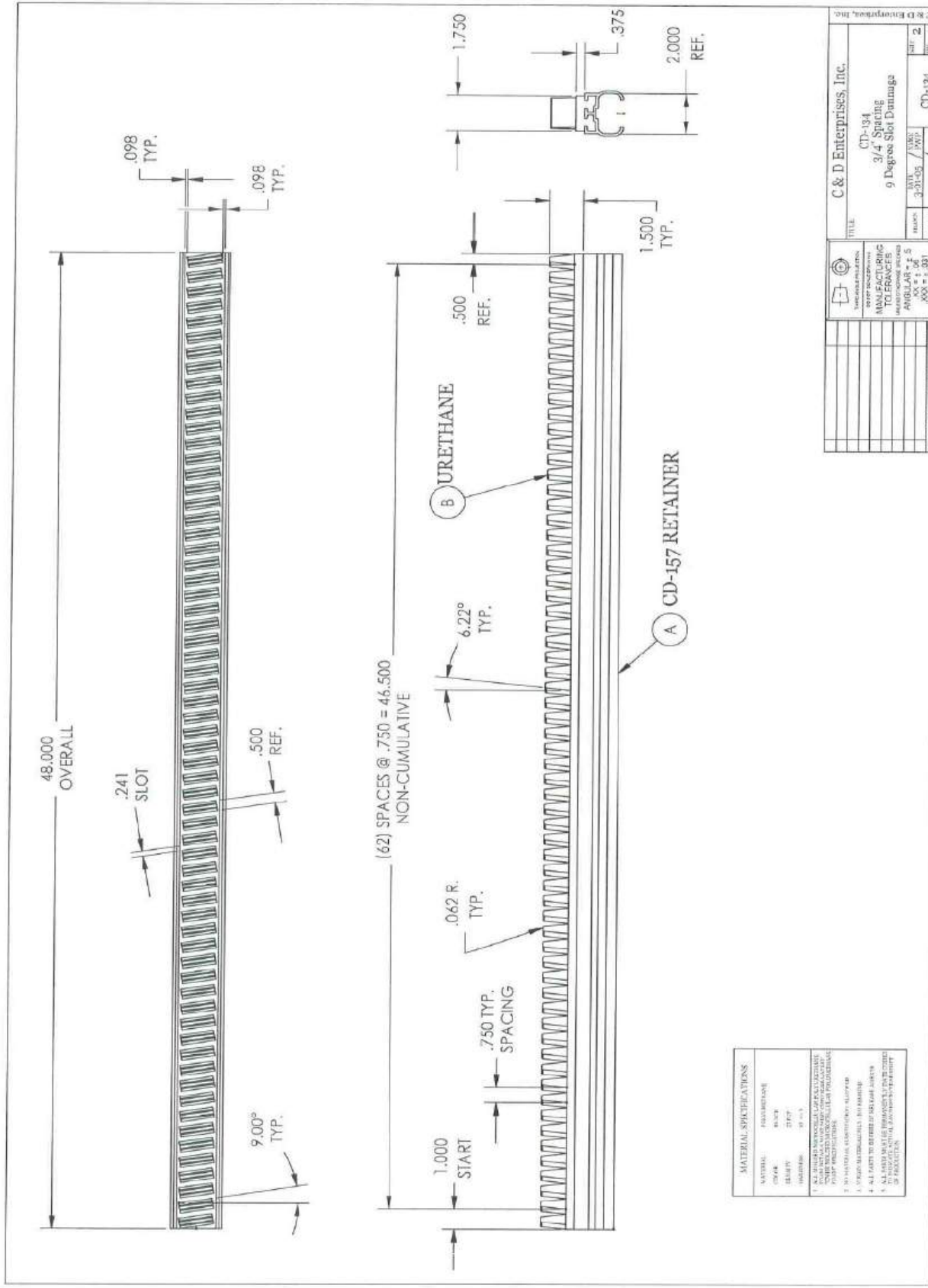
ISO 9001:2000 Registered

MATERIALS: PVC & URETHANE
 TITLE:

GLASS SEPARATOR
 3/4" SPACING

C&I#
 CD-131
 DATE: 7/23/04
 REV. DATE: 3/02/05

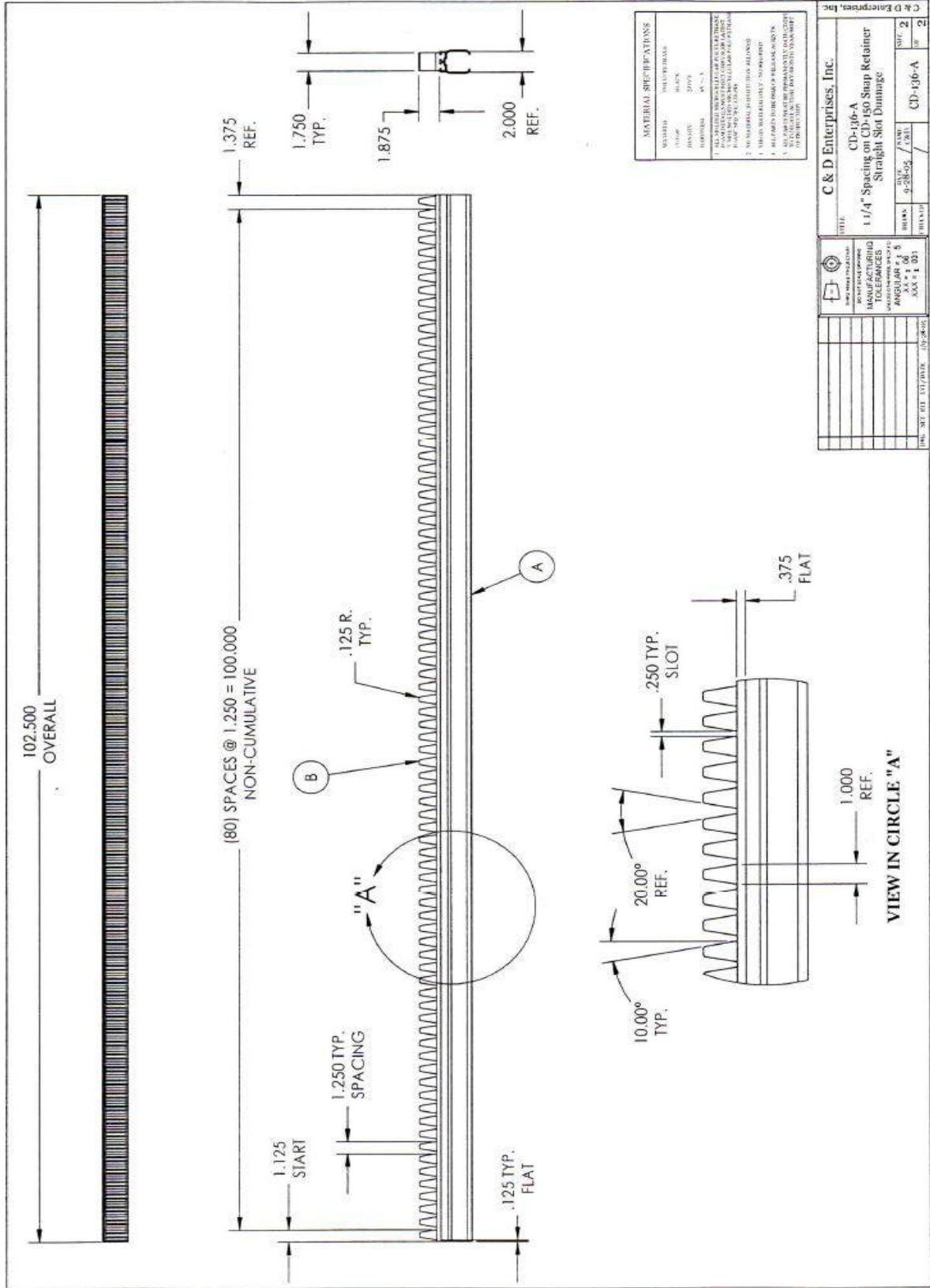
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 .XX = ± .06
 .XXX = ± .031

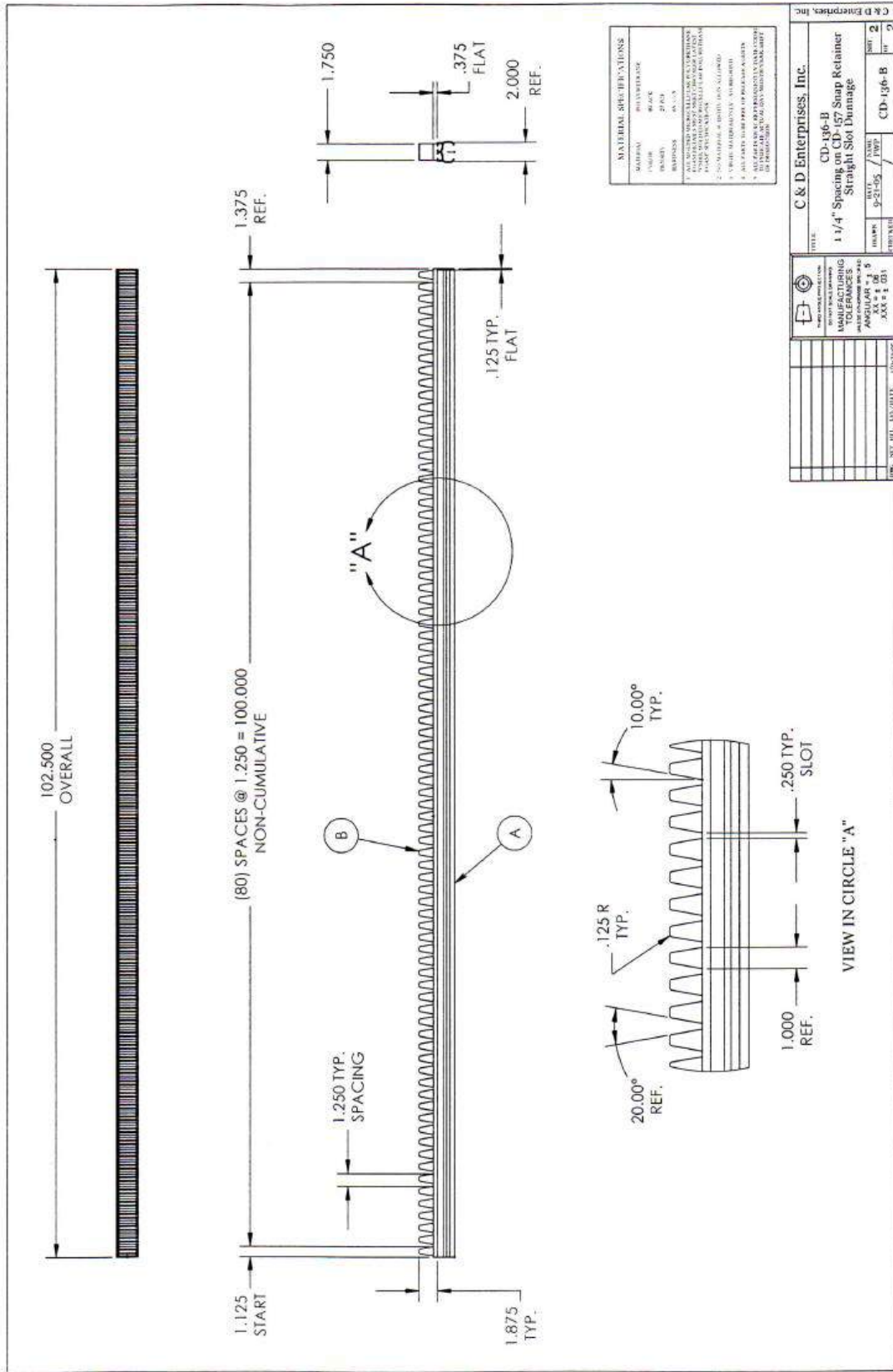


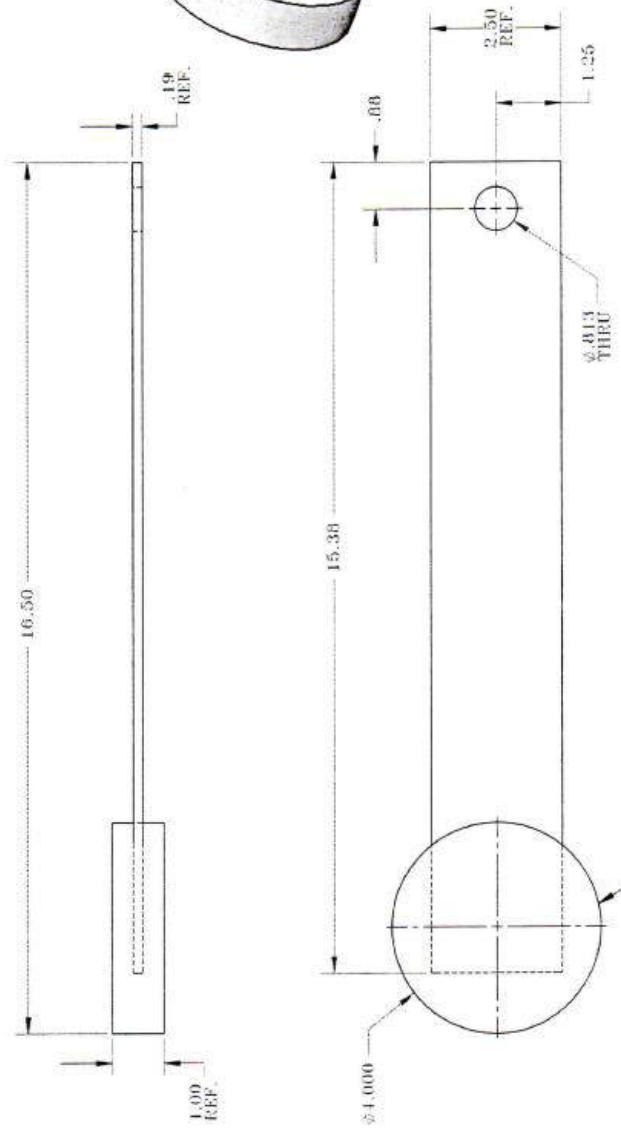
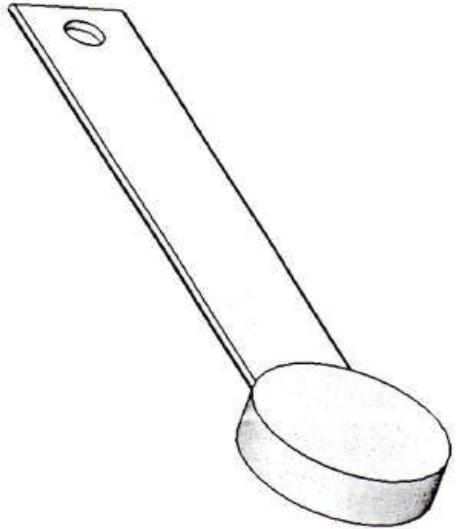
C & D Enterprises, Inc.	
TITLE	CD-134 3/4 Spacing 9 Degree Slot Damanga
DATE	3-21-05 / VSK
BY	CD-134
CHKD	2
APP'D	2

MATERIAL SPECIFICATIONS:	
MATERIAL:	FLUOROPOLYMER
CR/CR:	8/32
SEALITY:	TEFT
INDUSTRY:	19-11

- ALL DIMENSIONS SHALL BE TO UNLESS OTHERWISE SPECIFIED.
- ALL DIMENSIONS SHALL BE TO UNLESS OTHERWISE SPECIFIED.
- ALL DIMENSIONS SHALL BE TO UNLESS OTHERWISE SPECIFIED.
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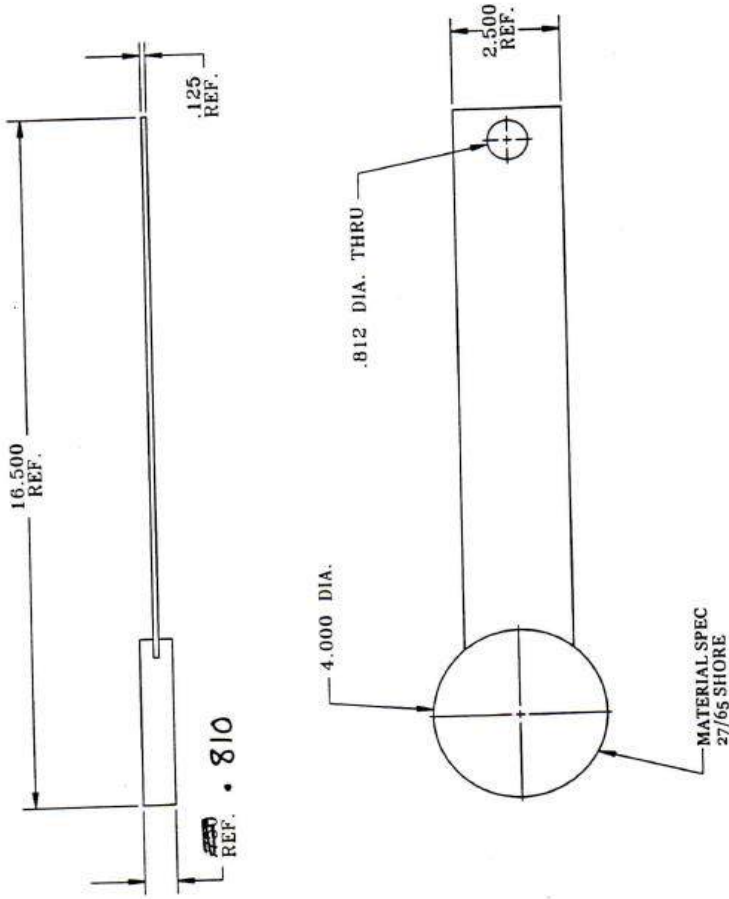
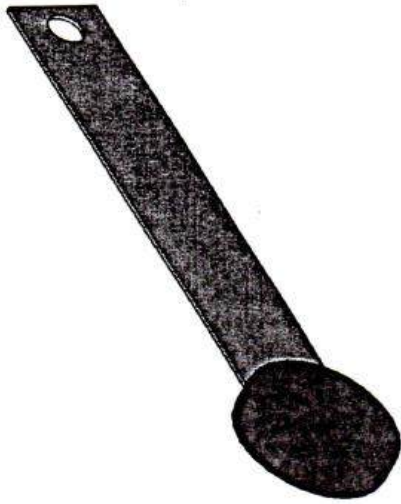






MATERIAL SPEC
27/65 SHORE

TITLE CD-137 SPACING GLASS SEPARATOR DONNAGE	
MANUFACTURING PART NUMBER ANGLE AR = XXX	DATE REF 9-21-06 DRAWN REF 9-20-06
CD-137	



1929 NORTH OPDYKE
 AUBURN HILLS, MI
 48326-2664
 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

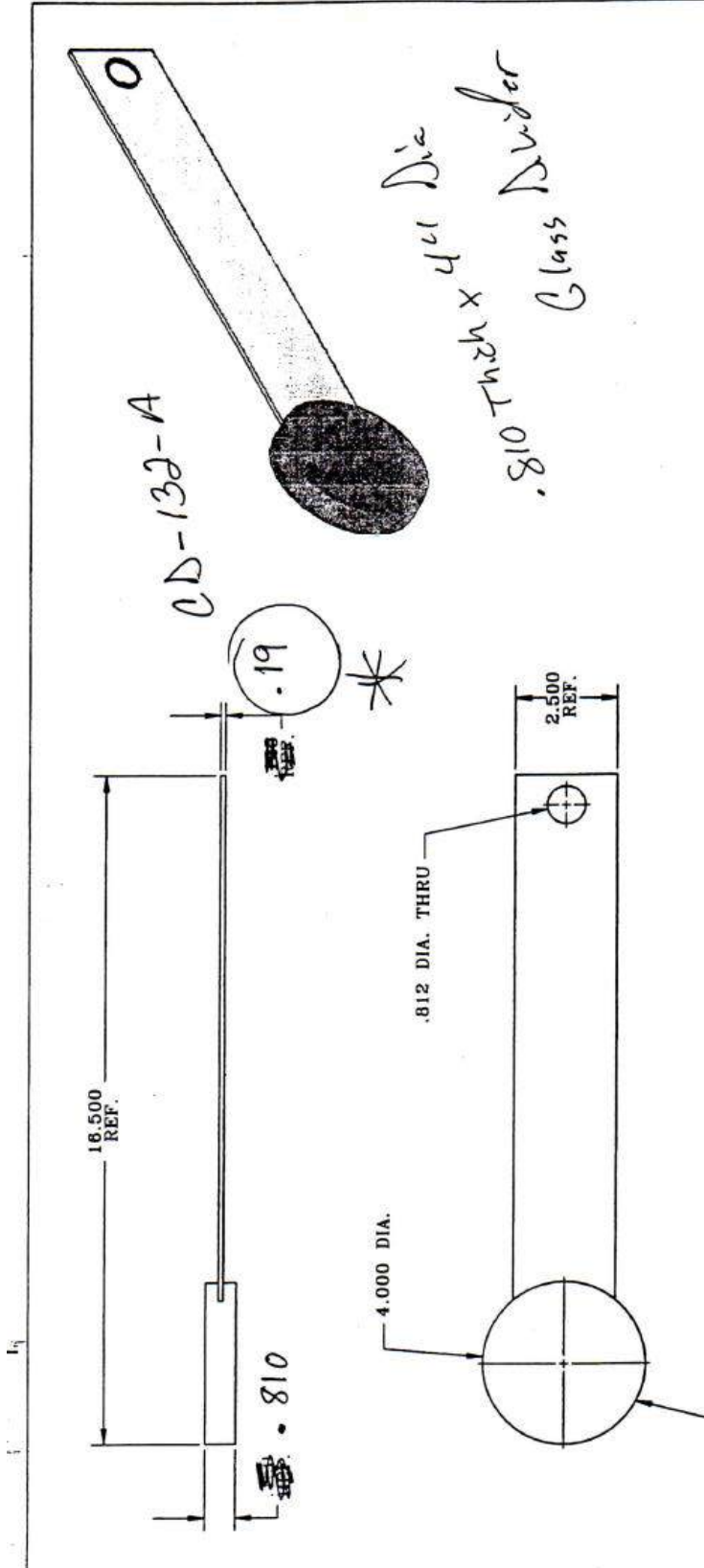
MATERIALS: PVC & URETHANE

TITLE:
 GLASS SEPARATOR
 .810" SPACING

C&D# ~~CD-140~~
 DATE: 7/23/04
 REV. DATE: 3/02/05

THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 .XX = ± .06
 .XXX = ± .031

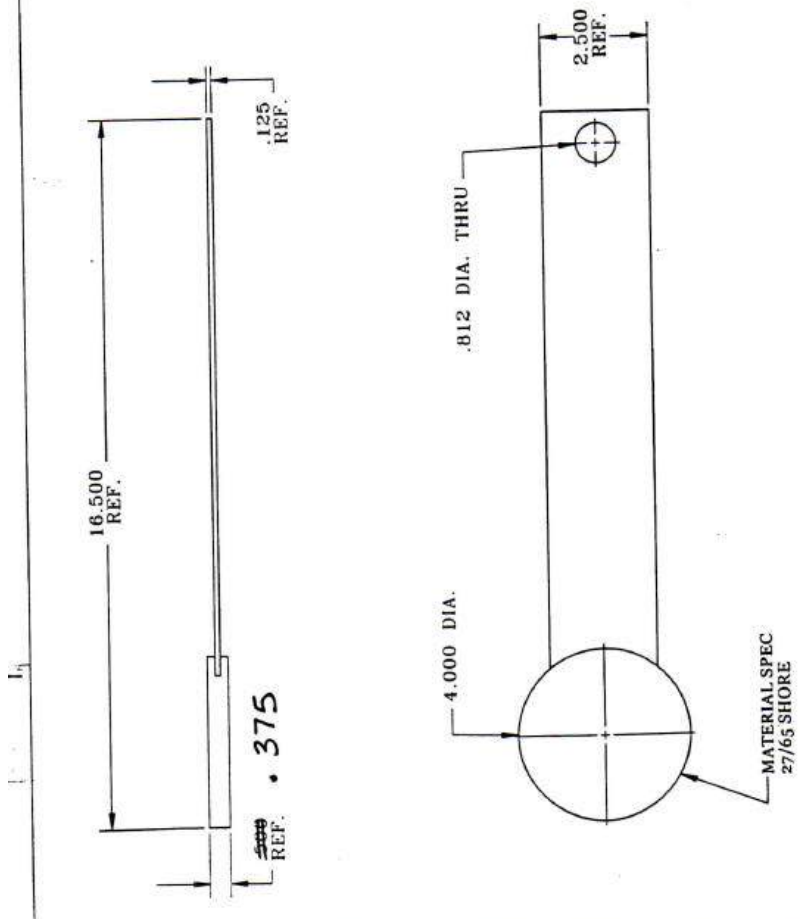
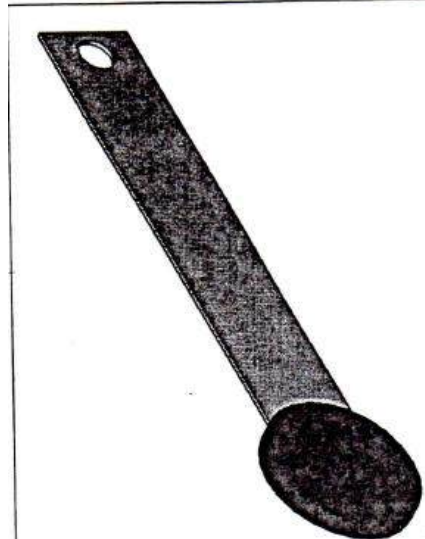
CD-140



*.810 Thick x 4" Dia
Glass Divider*

	1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470
	ISO 9001:2000 Registered
THIRD ANGLE PROJECTION NO NOT SCALE DRAWING	MATERIALS: PVC & URETHANE
MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED ANGULAR = ± .5 XX = ± .06 XXX = ± .031	TITLE: GLASS SEPARATOR SPACING - .810
DATE: 7/23/04 REV: 3/02/05	C&D# [] REV: [] DATE: 3/02/05

CD-140-A



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 AUBURN HILLS, MI
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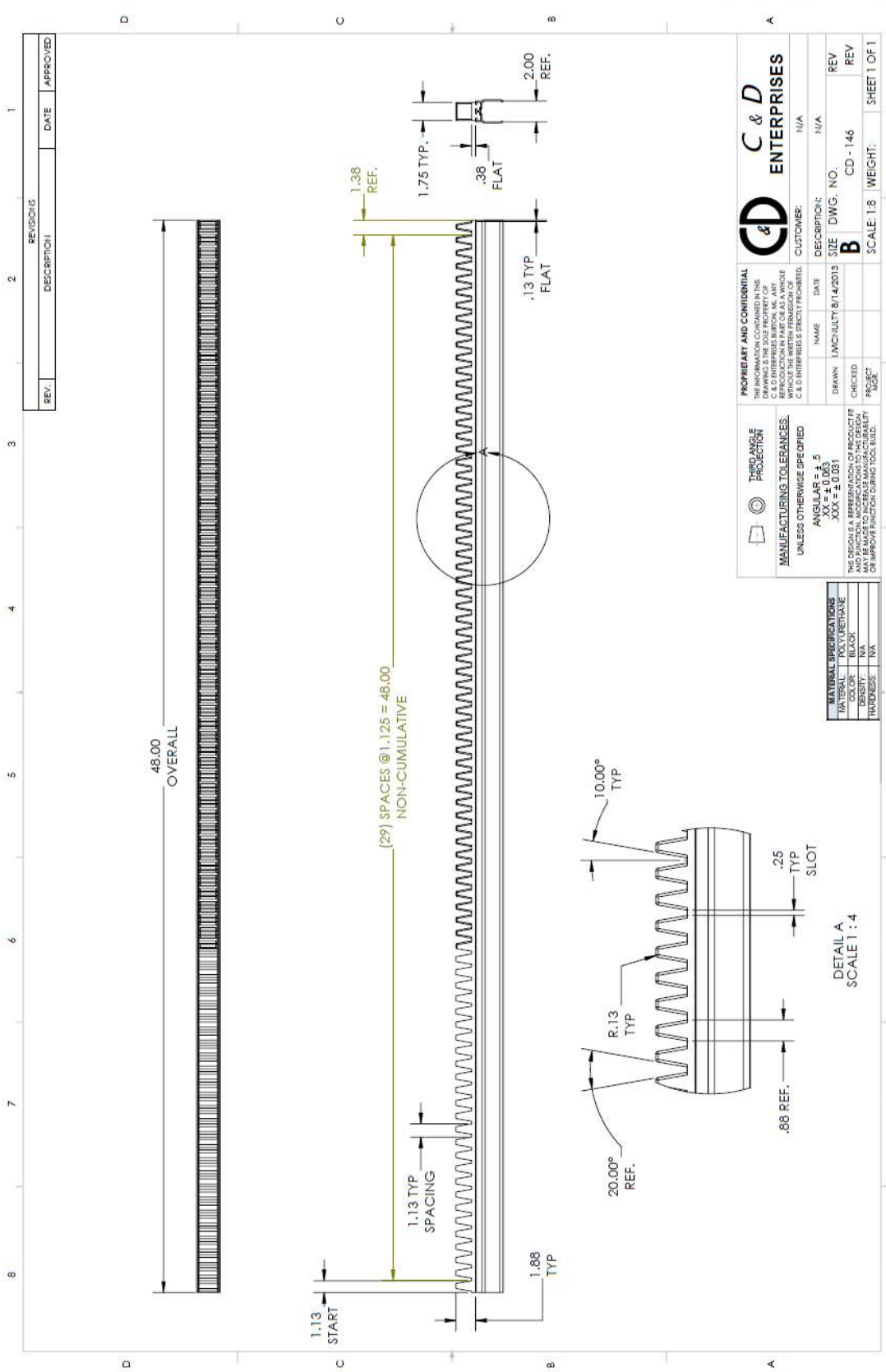
MATERIALS: PVC & URETHANE
 TITLE:

GLASS SEPARATOR
~~3/8~~ SPACING

C&D/J
 DATE: 7/23/04
 REV. DATE: 3/02/05

THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 XX = ± .06
 XXX = ± .031

CD-141



REV.	DESCRIPTION	DATE	APPROVED

C & D ENTERPRISES

PROPRIETARY AND CONFIDENTIAL
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THIRD ANGLE PROJECTION
MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 ANGULAR = ± .5
 DECIMAL = ± .005
 HOLE = ± .010
 TYPICAL = ± .010

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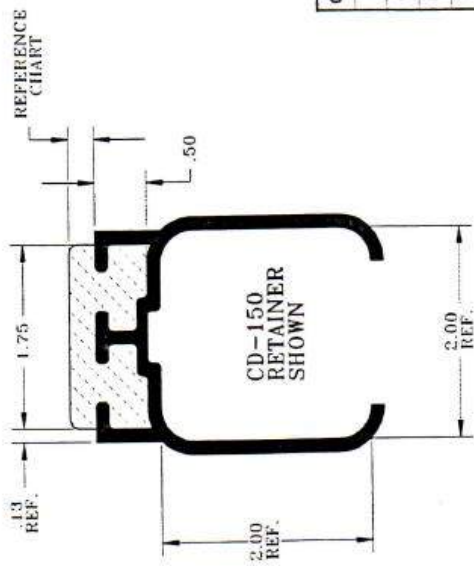
NAME	DATE	DESCRIPTION	CUSTOMER
LMCJULY 8/14/2013			N/A
CHECKED	SIZE	DWG. NO.	REV
	B	CD - 146	REV
PROJECT	SCALE	1:8	WEIGHT
			SHEET 1 OF 1

MATERIAL SPECIFICATIONS

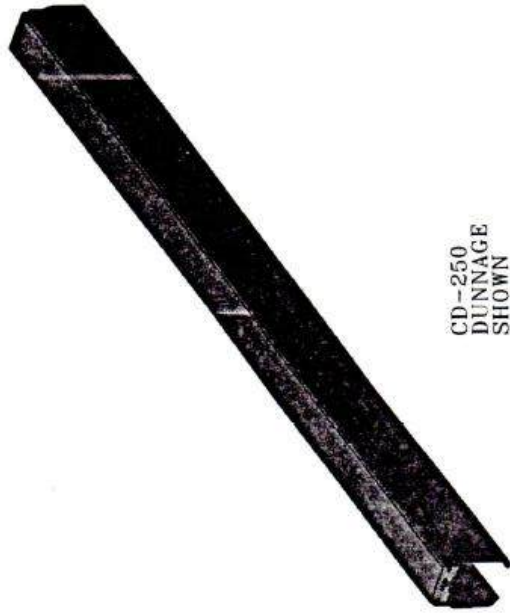
MATERIAL	POLYURETHANE
COLOR	BLACK
FINISH	NA
HARDNESS	NA

DETAIL A
 SCALE 1 : 4

UNCONTROLLED WHEN PRINTED OR IN PDF FORM



C & D No.	URETHANE THICKNESS
CD-250	1/4" TOP
CD-250-A	1/2" TOP
CD-250-B	3/4" TOP
CD-250-C	1" TOP
CD-250-D	1 1/4" TOP
CD-250-E	1 1/2" TOP
cd-250-F	2" Top
cd-250-G	3" Top



C & D Enterprises, Inc.

 TITLE: CD-250

 FLAT TOP DUNNAGE

 TABULATION CHART

 DRAWN: HET / 9-20-00

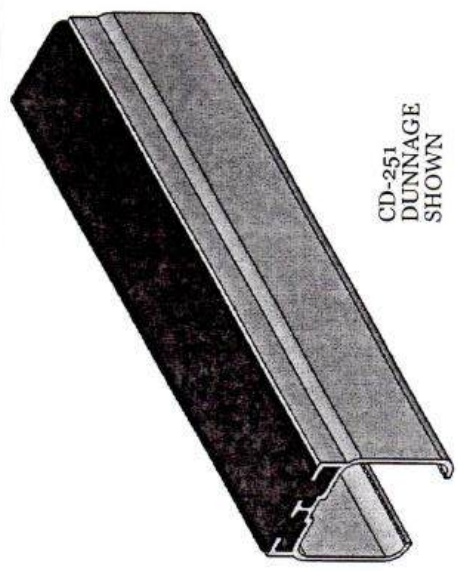
 CHECKED: HET / 9-20-00

 PART NO: CD-250

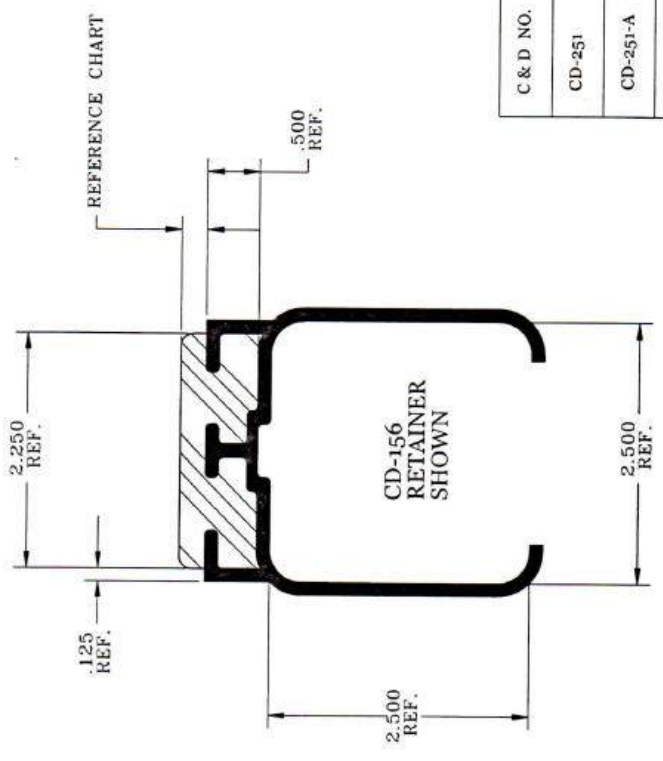
 QUANTITY: 1

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DATE: SET BY: DATE: 1/1/00



CD-251
DUNNAGE
SHOWN



REFERENCE CHART

C & D NO.	URETHANE THICKNESS
CD-251	1/4" TOP
CD-251-A	1/2" TOP
CD-251-B	3/4" TOP
CD-251-C	1" TOP

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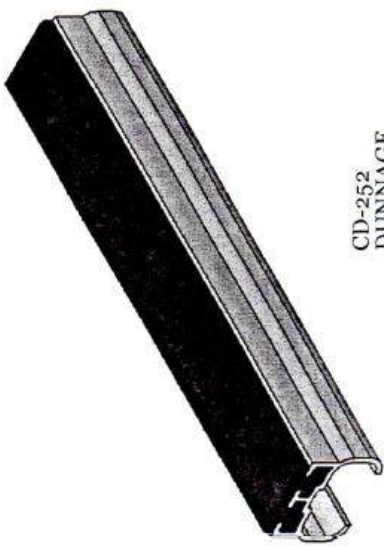
MATERIALS: PVC & URETHANE

TITLE: **SNAP ON DUNNAGE™**
FLAT PAD FOR 2.50 SQ. TUBE

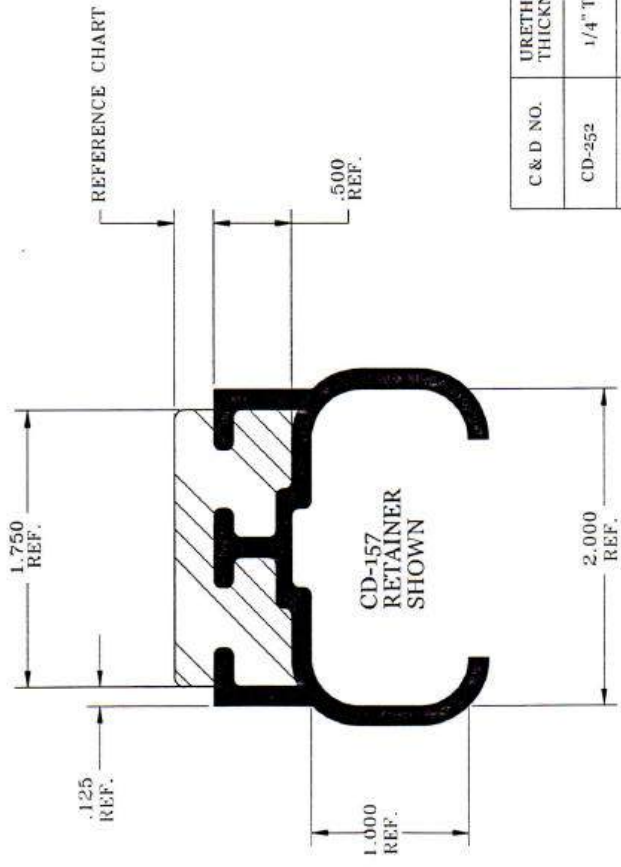
C&D# CD-251 SERIES	DATE: 7/23/04
A, B & C	REV. DATE: 9/01/05

DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION
MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031

NOTE:
THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING,
PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
OR FABRICATED MATERIALS.



CD-252
DUNNAGE
SHOWN



C & D NO.	URETHANE THICKNESS
CD-252	1/4" TOP
CD-252-A	1/2" TOP
CD-252-B	3/4" TOP
CD-252-C	1" TOP

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AUBURN HILLS, MI
48326-2664
PHONE (248) 373-0011
FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: PVC & URETHANE

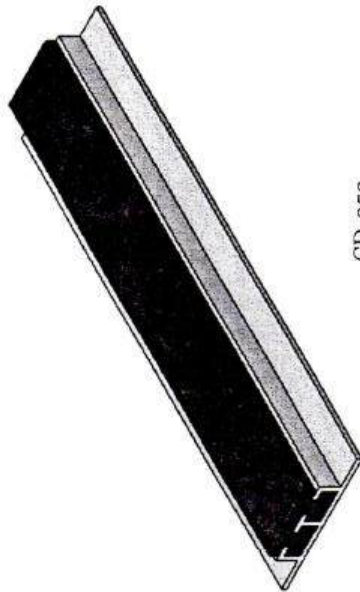
TITLE: SNAP ON DUNNAGE™
FLAT PAD FOR 2.00 x 1.00 TUBE

C&D# CD-252	SERIES A, B & C	DATE: 7/23/04
REV.	REV.	DATE: 9/01/05

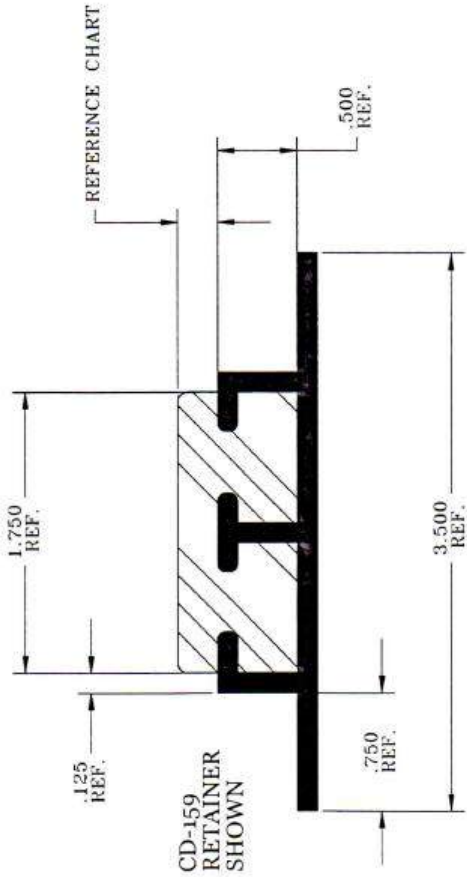
DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION

MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031

NOTE:
THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



CD-253
DUNNAGE
SHOWN



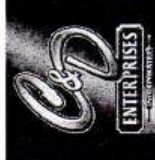
REFERENCE CHART

CD-159
RETAINER
SHOWN

C & D NO.	URETHANE THICKNESS
CD-253	1/4" TOP
CD-253-A	1/2" TOP
CD-253-B	3/4" TOP
CD-253-C	1" TOP

NOTE:

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THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031

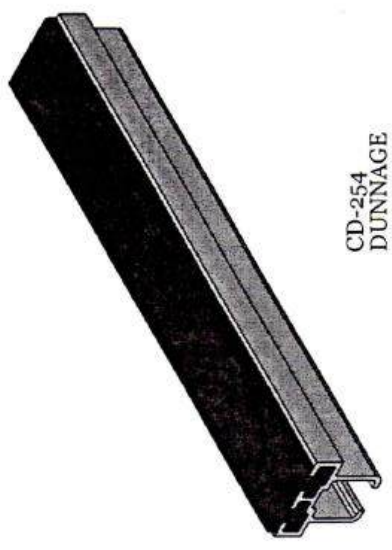
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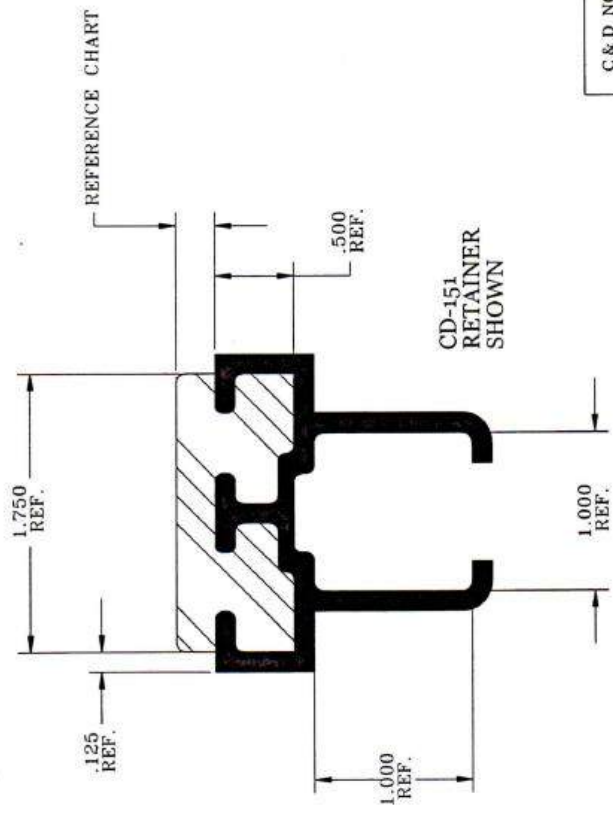
MATERIALS: PVC & URETHANE
TITLE:

SNAP ON DUNNAGE™
FLAT PAD PROFILE

C&D# DATE: 7/23/04
CD-253 SERIES REV. DATE:
A, B & C A, B & C 9/01/05



CD-254
DUNNAGE
SHOWN




CD-151
RETAINER
SHOWN

REFERENCE CHART

C & D NO.	URETHANE THICKNESS
CD-254	1/4" TOP
CD-254-A	1/2" TOP
CD-254-B	3/4" TOP
CD-254-C	1" TOP

NOTE:

THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



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MATERIALS: PVC & URETHANE

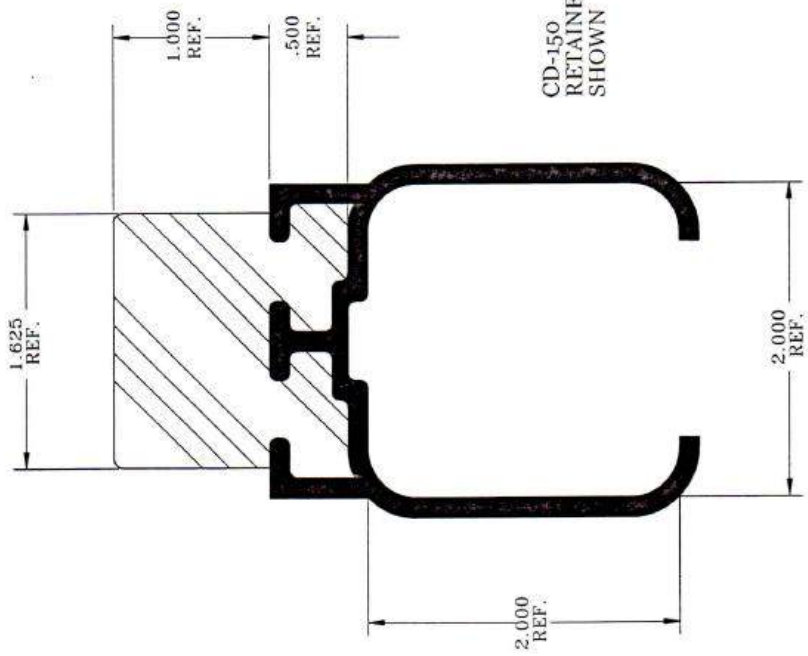
TITLE:
SNAP ON DUNNAGE™
FLAT PAD FOR 1.00 SQ TUBE

C&D# CD-254 SERIES REV A, B & C
DATE: 7/23/04 DATE: 9/01/05

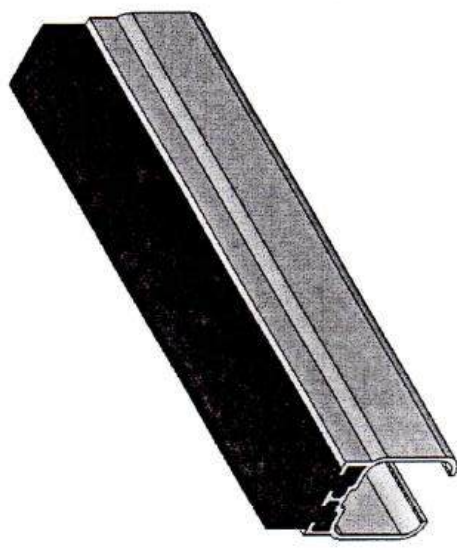
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
.XX = ± .06
.XXX = ± .031



CD-150
RETAINER
SHOWN



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ISO 9001:2000 Registered

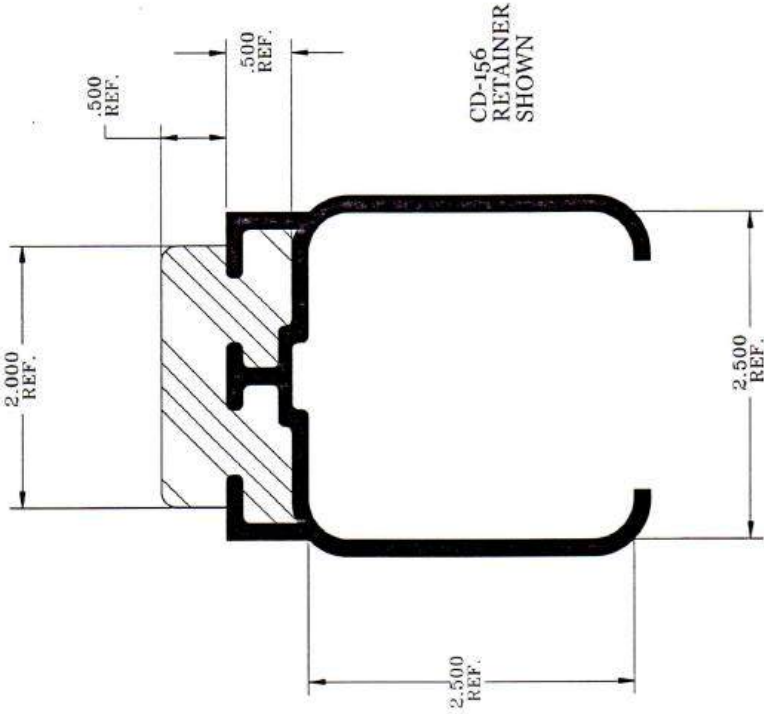
MATERIALS: PVC & URETHANE
TITLE:

SNAP ON DUNNAGE™
1" FLAT

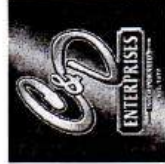
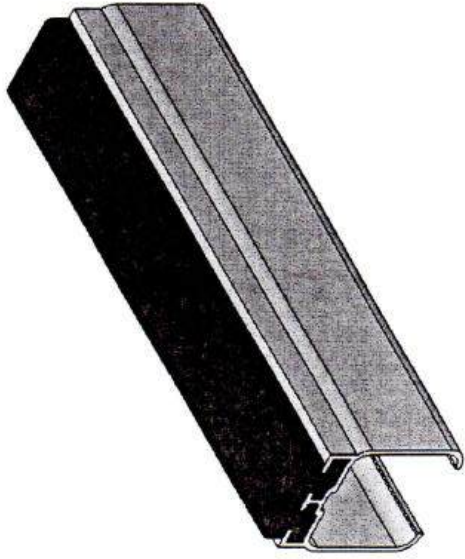
CD# CD-255
REV. DATE: 7/23/04
REV. DATE: 3/02/05

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
MANUFACTURING
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031

NOTE:
THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING,
PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
OR FABRICATED MATERIALS.



CD-156
RETAINER
SHOWN



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FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: PVC & URETHANE

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING
MANUFACTURING
TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031

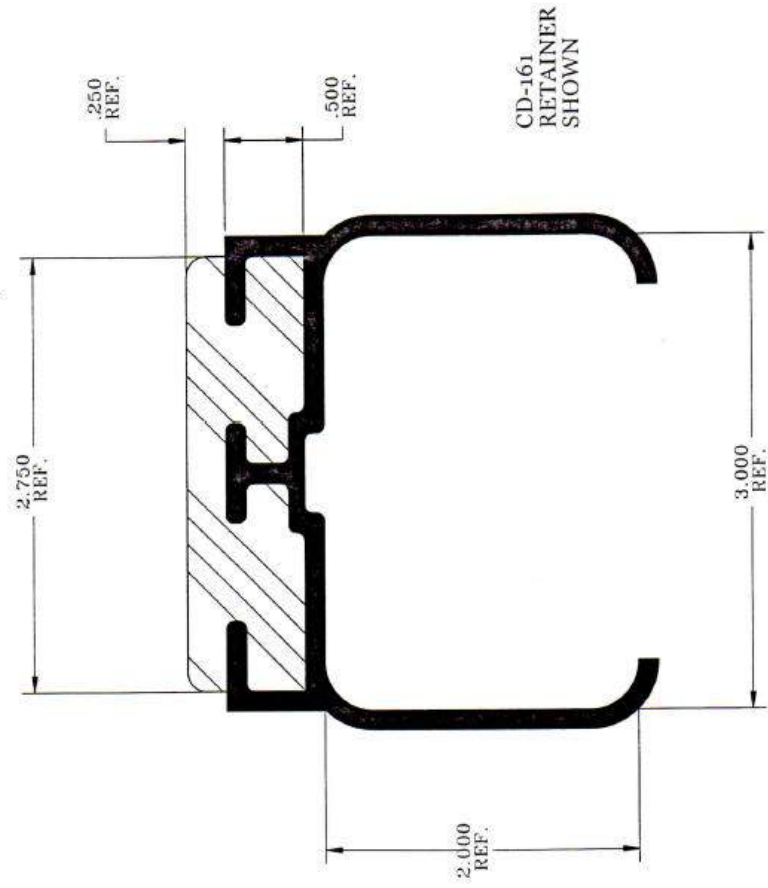
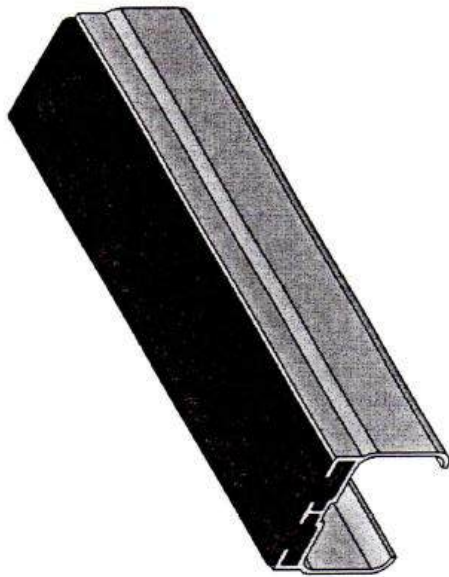
TITLE:
SNAP ON DUNNAGE™
1/2" FLAT

C&D#
CD-256

DATE: 7/23/04
REV. DATE: 3/02/05

NOTE:

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PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
OR FABRICATED MATERIALS.

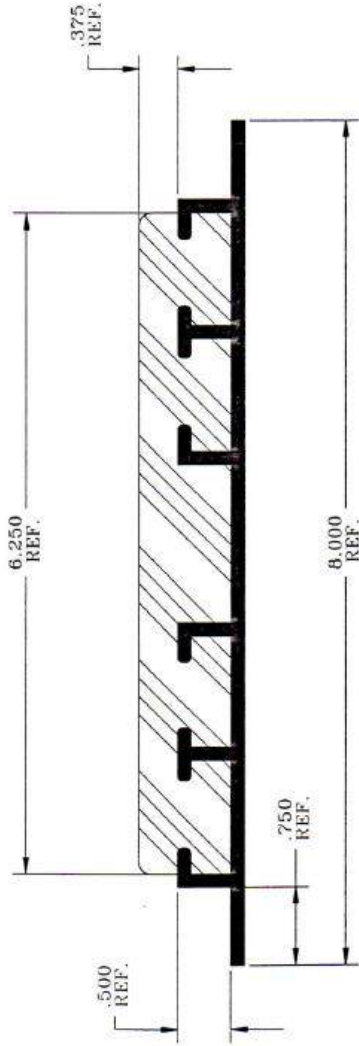
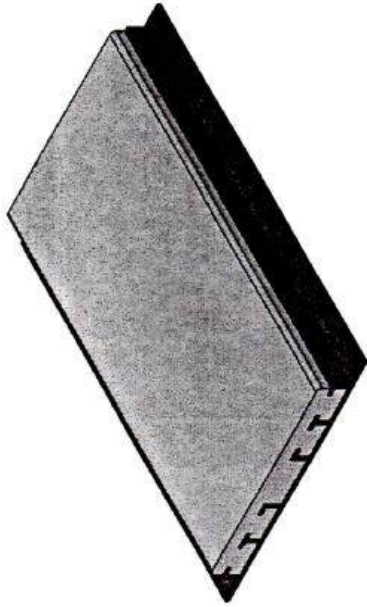


CD-161
RETAINER
SHOWN

NOTE:

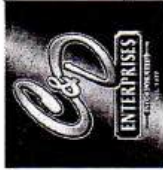
THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.

 <p>ENTERPRISES INCORPORATED 1987</p>	<p>1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470</p>	
	<p>ISO 9001:2000 Registered</p>	
<p>MATERIALS: PVC & URETHANE</p>		
<p>TITLE:</p>		
<p>SNAP ON DUNNAGE™ 1/4" FLAT</p>		
<p>C&D# CD-25B</p>	<p>DATE: 7/27/05</p>	<p>REV. DATE: N/A</p>
<p>THIRD ANGLE PROJECTION</p> <p>DO NOT SCALE DRAWING</p> <p>MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED</p> <p>ANGULAR = ± .5 XX = ± .06 XXX = ± .031</p>		



NOTE:

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MATERIALS: PVC & URETHANE

TITLE:

SNAP ON DUNNAGE™
3/8" FLAT PAD

C&D# CD-259

DATE: 7/23/04
REV. 9/12/05



THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

MANUFACTURING

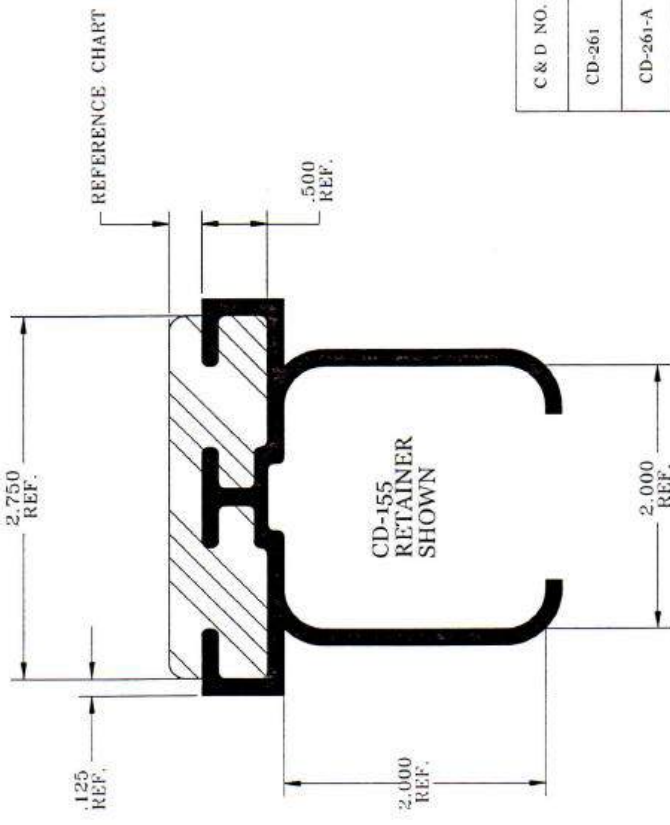
TOLERANCES:

UNLESS OTHERWISE SPECIFIED

ANGULAR = ± .5

.XX = ± .06

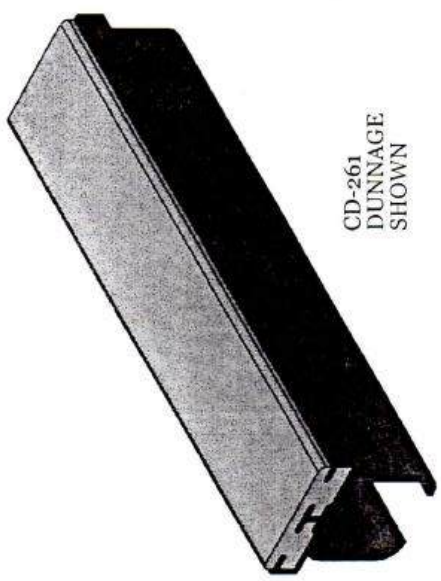
.XXX = ± .031



CD-155
RETAINER
SHOWN

REFERENCE CHART

C & D NO.	URETHANE THICKNESS
CD-261	1/4" TOP
CD-261-A	1/2" TOP
CD-261-B	3/4" TOP
CD-261-C	1" TOP



CD-261
DUNNAGE
SHOWN



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FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: PVC & URETHANE

TITLE:
SNAP ON DUNNAGE™
FLAT PAD FOR 2.00 SQ TUBE

C&D# CD-261 SERIES A, B & C

DATE: 7/23/04

REVISIONS: REV. DATE:

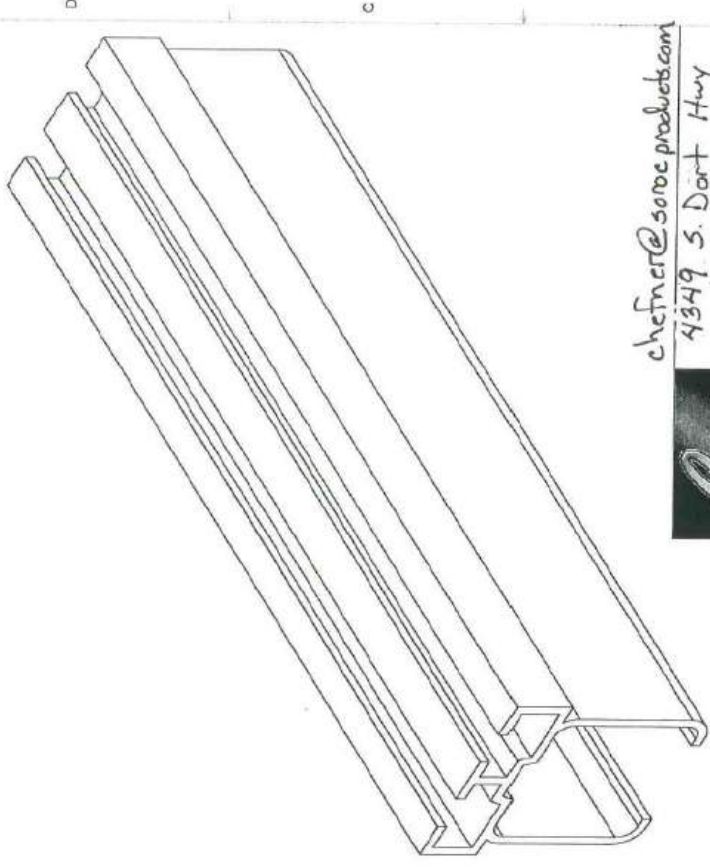
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
.XXX = ± .06
.XXX = ± .031

NOTE:
THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING,
PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
OR FABRICATED MATERIALS.

REVISIONS		
REV.	DESCRIPTION	DATE
1	APPROVED	



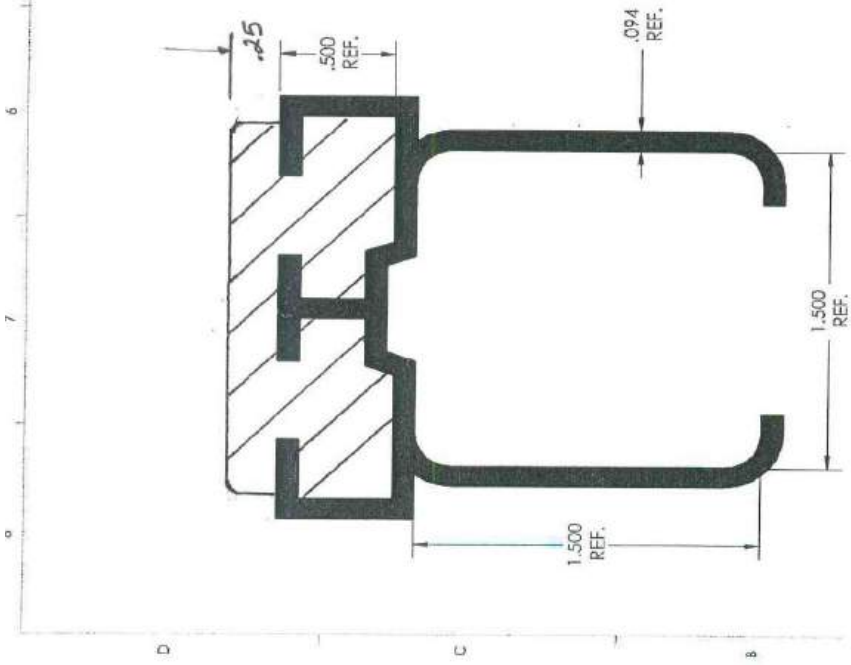
chefner@sonoc products.com
 4949 S. Dort Hwy
 Burton, MI. 48529
 810-743-2660

ISO 9001:2000 Registered
 MATERIALS: HIGH IMPACT PVC

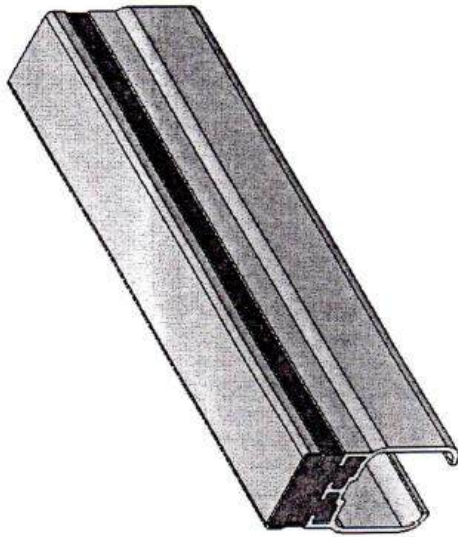
TITLE:
 1/4" Flat Pad For
 1 1/2" Sq. Tube

C&D#: DATE: 9/20/13
 CD-262 I.D.I

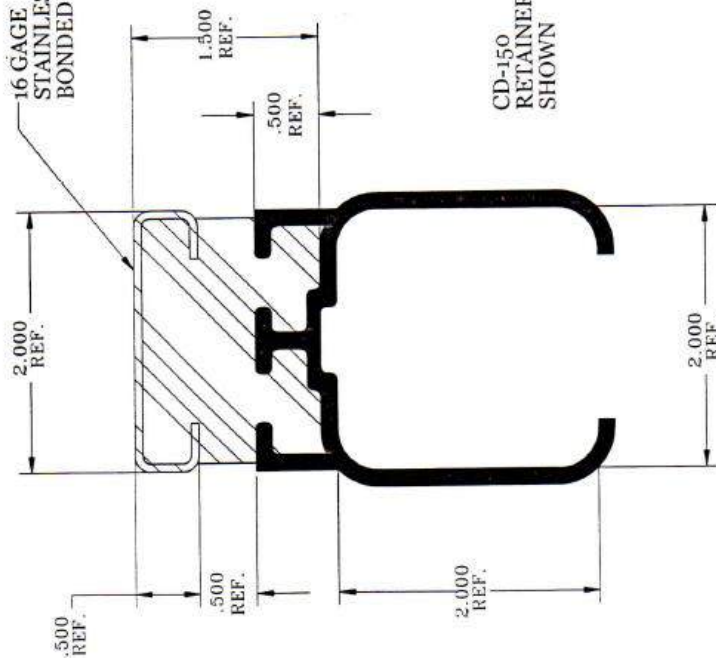
THIRD ANGLE PROJECTION
 DO NOT SCALE DRAWING



NOTE:
 THE 'SNAP ON DUNNAGE' RETAINER SYSTEM IS A PATENTED,
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 OR FABRICATED MATERIALS.



16 GAGE
STAINLESS STEEL
BONDED W/URETHANE



CD-150
RETAINER
SHOWN



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48326-2664
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FAX (248) 373-3470

ISO 9001:2000 Registered

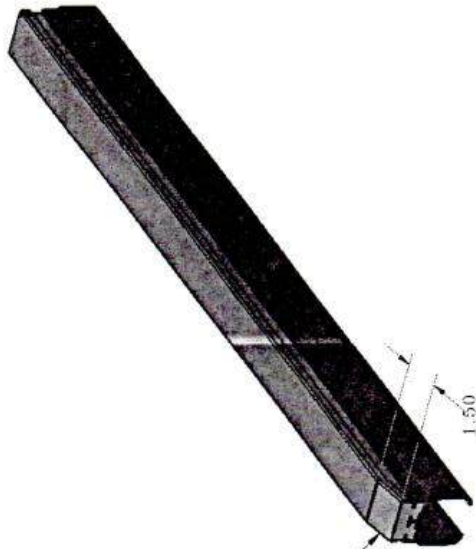
MATERIALS: PVC, URETHANE & S.S.
TITLE:

SNAP ON DUNNAGE™
2" STAINLESS STEEL TOP

C&D# CD-270
DATE: 7/23/04
REV. DATE: 3/02/05

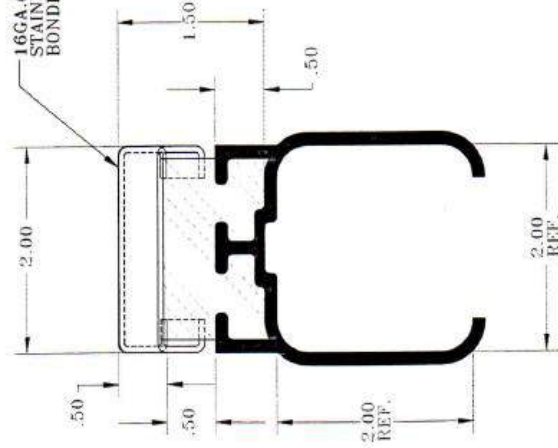
NOTE:

THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



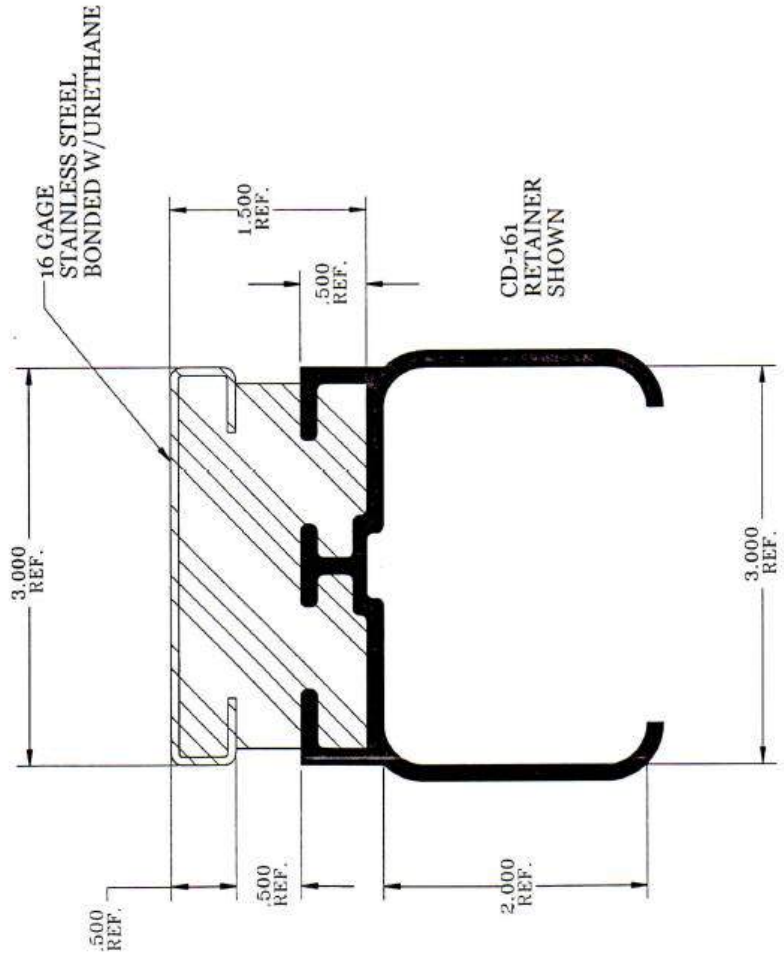
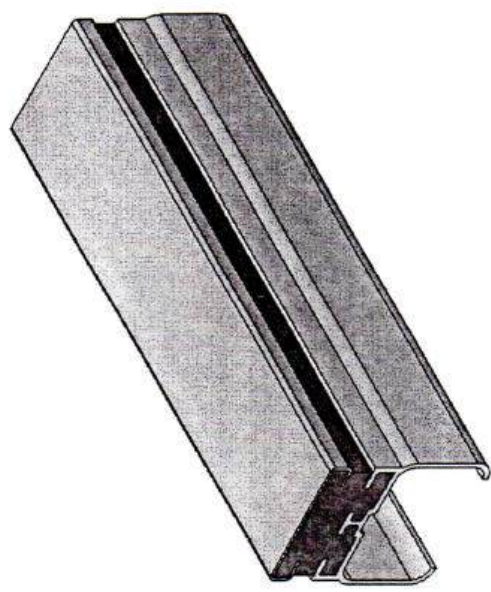
15 DEGREE
TAPER
(1) END ONLY

16GA (.060)
STAINLESS STEEL
BONDED W/URETHANE



CD-150
RETAINER
SHOWN


C & D Enterprises, Inc.
 CD-270-T
 SNAP-ON DUNNAGE
 2" STAINLESS STEEL TOP
 MANUFACTURING
 9-20-06
 CD-270-T
 REF. 1



NOTE:

THE "SNAP ON DUNNAGE"[™] RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



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PHONE (248) 373-0011
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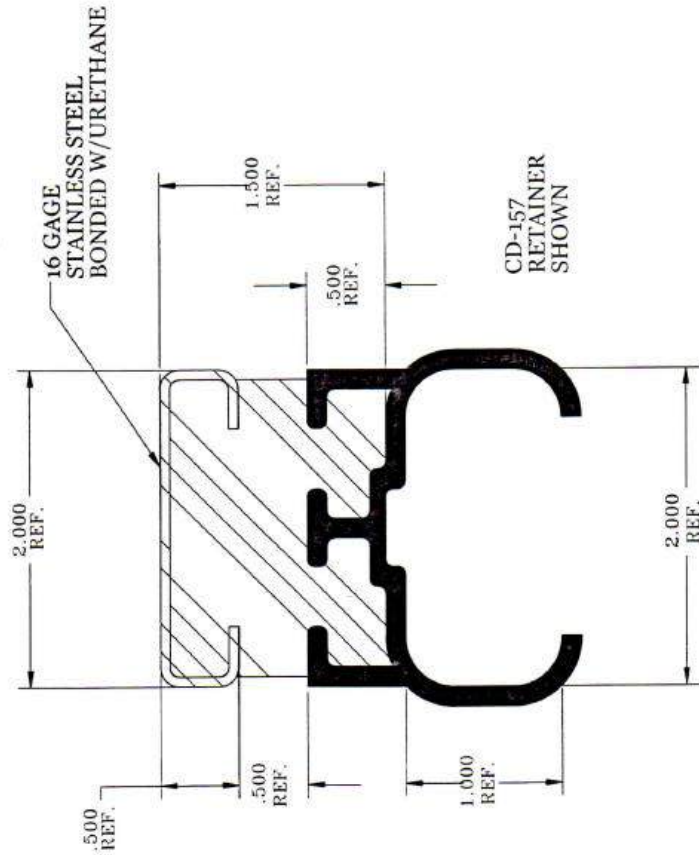
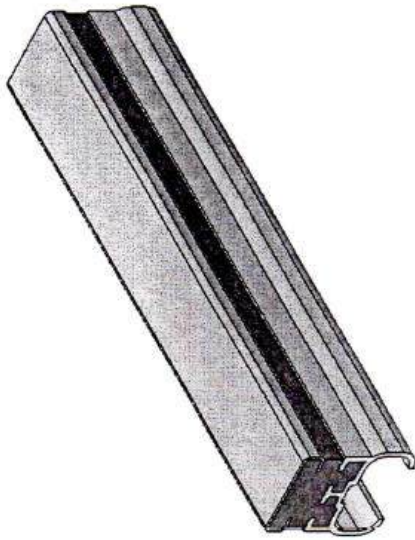
ISO 9001:2000 Registered

MATERIALS: PVC, URETHANE & S.S.
TITLE:

SNAP ON DUNNAGE[™]
3" STAINLESS STEEL TOP

C&D# CD-271
DATE: 7/23/04
REV. DATE: 3/02/05

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031



NOTE:

THE "SNAP ON DUNNAGE"TM RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.



1929 NORTH OPDYKE
AUBURN HILLS, MI
48326-2664
PHONE (248) 373-0011
FAX (248) 373-3470

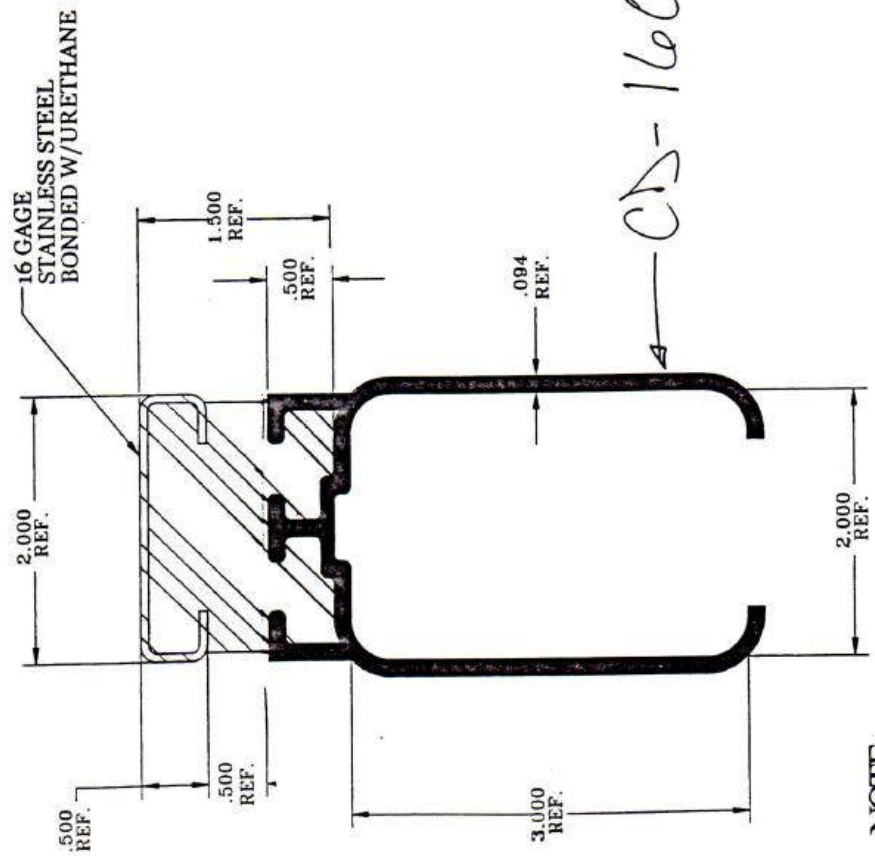
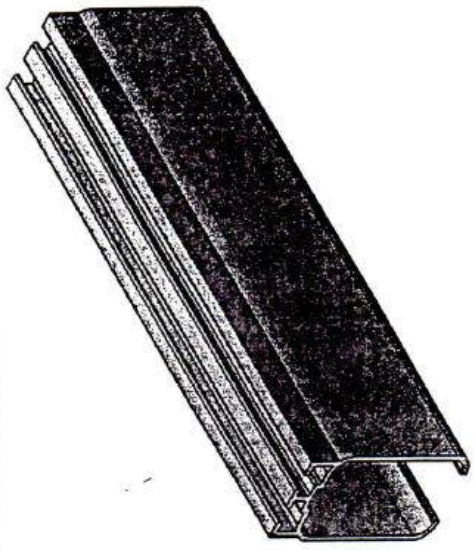
ISO 9001:2000 Registered

MATERIALS: PVC, URETHANE & S.S.
TITLE:

SNAP ON DUNNAGETM
2" STAINLESS STEEL TOP

C.&D.# CD-272
DATE: 7/23/04
REV. DATE: 3/02/05

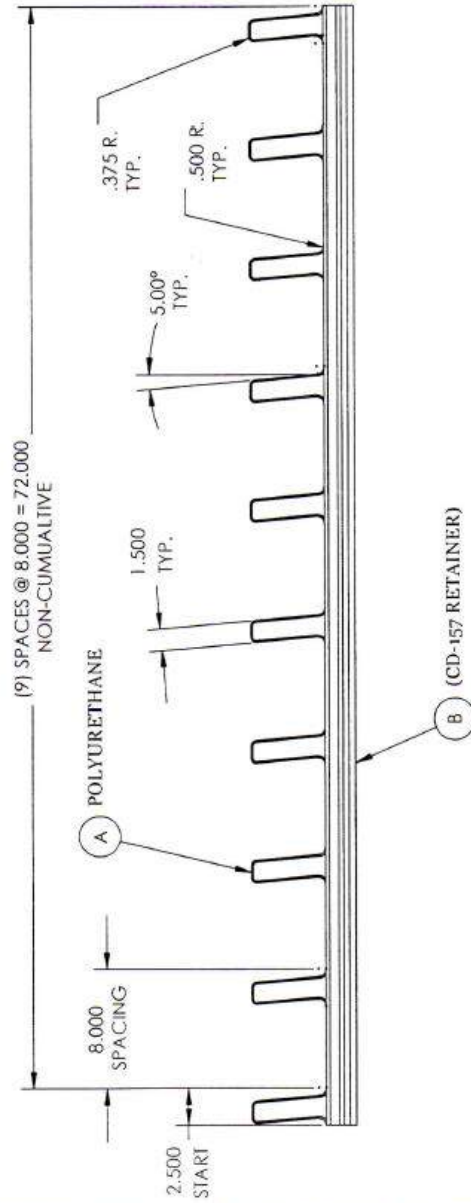
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± .06
XXX = ± .031



NOTE:

THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING, PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS, INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED OR FABRICATED MATERIALS.

	1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470	
	ISO 9001:2000 Registered	
	MATERIALS: PVC, URETHANE & S.S.	
DO NOT SCALE DRAWING MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED ANGULAR = ± .5 XX = ± .06 XXX = ± .031	TITLE: SNAP ON DUNNAGE™ 2" STAINLESS STEEL TOP	
C&D # Cb-276	DATE: 7/23/04	REV. DATE: 3/02/05



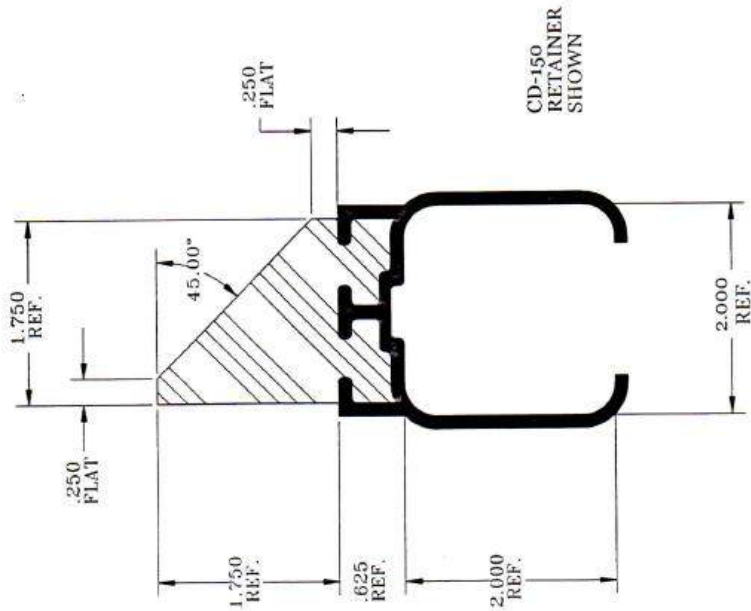
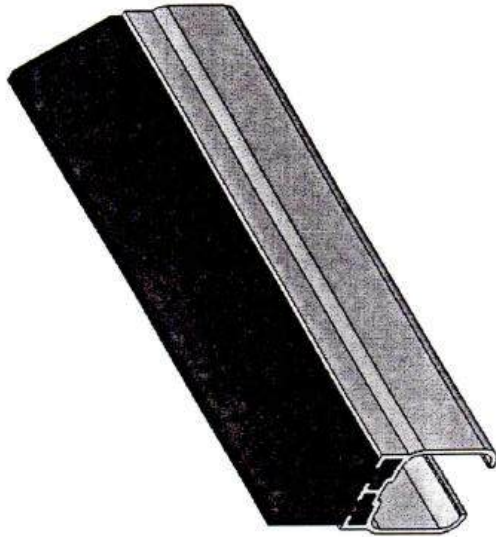
MATERIAL SPECIFICATIONS

DESCRIPTION:	PLASTIC GRATE
COLOR:	BLACK
FINISH:	W.P.V.
REVISIONS:	REV. A

1. ALL DIMENSIONS SHALL BE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 2. ALL DIMENSIONS SHALL BE TO UNFINISHED SURFACES UNLESS OTHERWISE SPECIFIED.
 3. DIMENSIONS SHALL BE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 4. ALL PARTS TO BE MADE OF POLYURETHANE UNLESS OTHERWISE SPECIFIED.
 5. ALL PARTS TO BE MADE OF POLYURETHANE UNLESS OTHERWISE SPECIFIED.

TITLE: CD-311 8" Spacing Separator Drainage	
DATE: 7-24-05	SCALE: 1/8" = 1'-0"
DRAWN: XXX - 1 - 031	CHECK: CD-311
REV. 2	REV. 2

C & D Enterprises, Inc.



CD-150
RETAINER
SHOWN

NOTE:

THE "SNAP ON DUNNAGE"™ RETAINER SYSTEM IS A PATENT PENDING,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.



1929 NORTH OPDYKE
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 PHONE (248) 373-0011
 FAX (248) 373-3470

ISO 9001:2000 Registered

MATERIALS: PVC & URETHANE

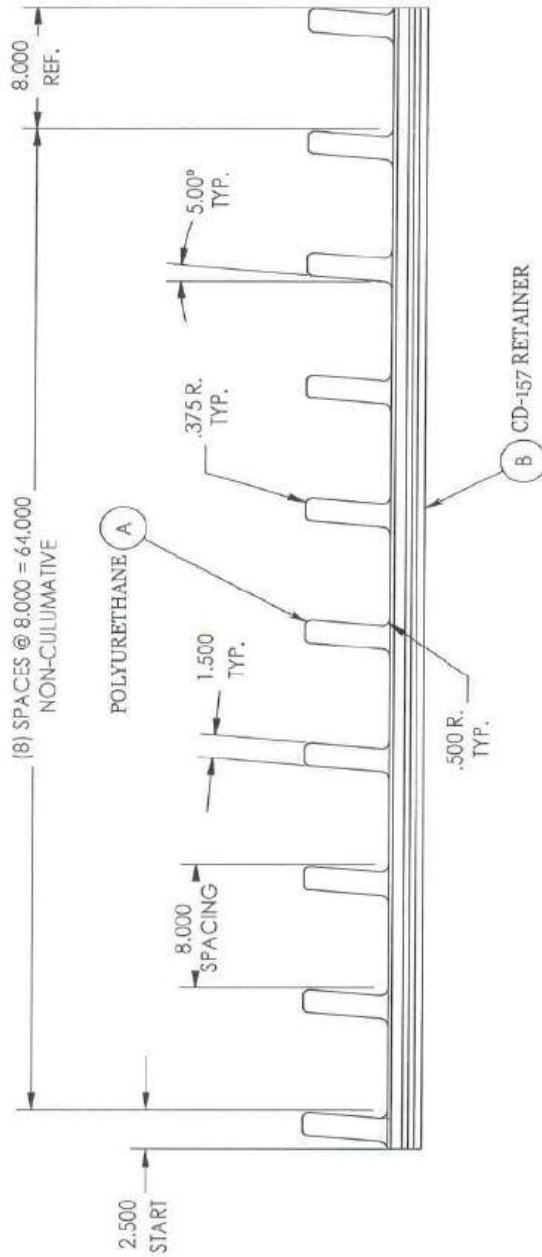
TITLE:

SNAP ON DUNNAGE™
 45° BEVEL DUNNAGE

C&D# CD-350
 DATE: 7/23/04
 REV. DATE: 8/24/05

THIRD ANGLE PROJECTION

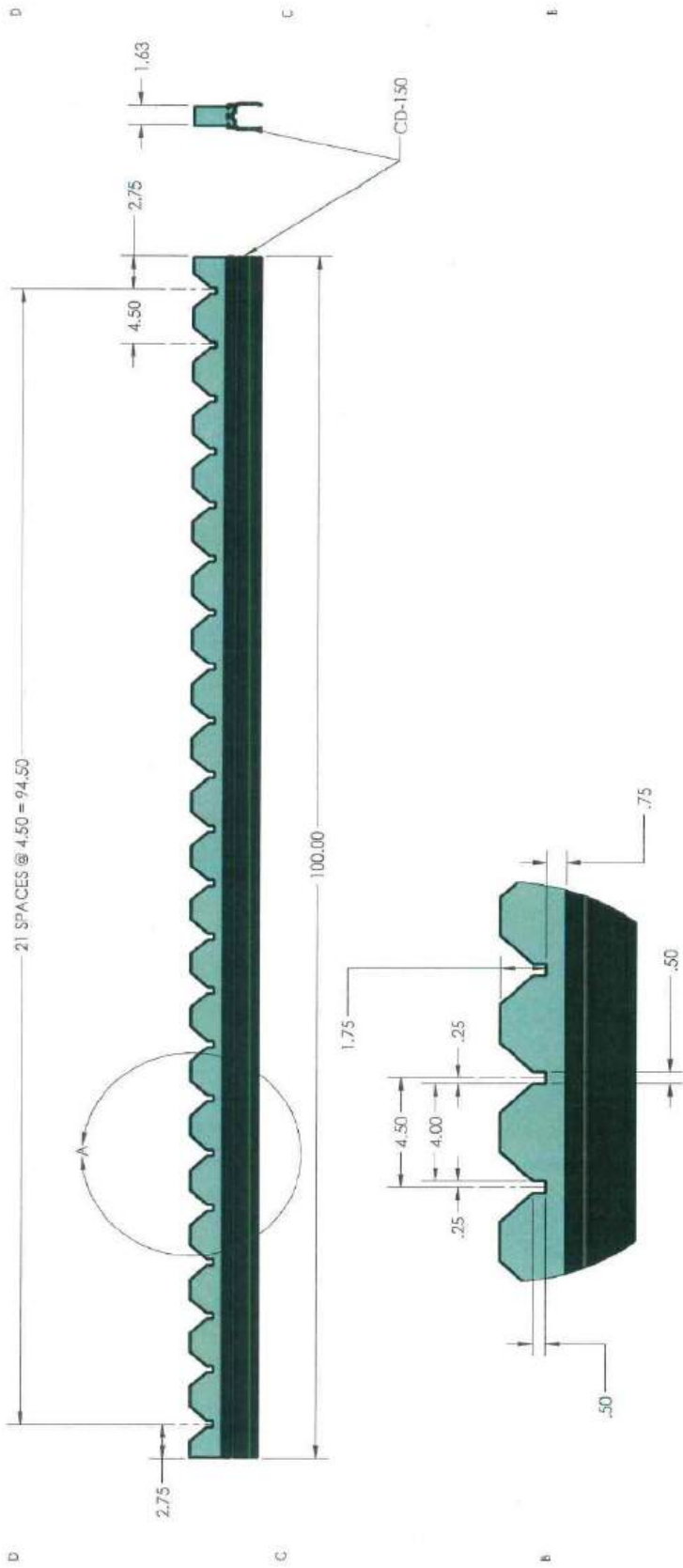
NO NOT SCALE DRAWING
 MANUFACTURING
 TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR = ± .5
 XX = ± .06
 XXX = ± .031



MATERIAL SPECIFICATIONS	
MATERIAL:	POLYURETHANE
GRADE:	CD-157
QUANTITY:	2000
PACKAGE:	1000
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. 2. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY. 3. DIMENSIONS IN SQUARE BRACKETS ARE FOR INFORMATION ONLY. 4. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. 5. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. 6. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. 7. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. 8. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. 9. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. 10. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.	

		C & D Enterprises, Inc.	
TITLE:		CD-400	
PART NUMBER:		8.00 Spacing	
TOLERANCES:		Separator Dimming	
UNITS:	DATE:	DWG:	CD-400
ANGULAR:	XXX:	YYY:	ZZZ:
SHEET:	OF:	SHEET:	OF:

REV.	DESCRIPTION	DATE	APPROVED



DETAIL A
SCALE 1 : 4

PROPRIETARY AND CONFIDENTIAL
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C & D ENTERPRISES

NAME: SHAWN M. DECKER DATE: 1/16/2014 DESCRIPTION: CD-401
 SIZE: DWG. NO.: CD-401 REV: CD-401
 SCALE: 1:12 WEIGHT: SHEET 1 OF 1

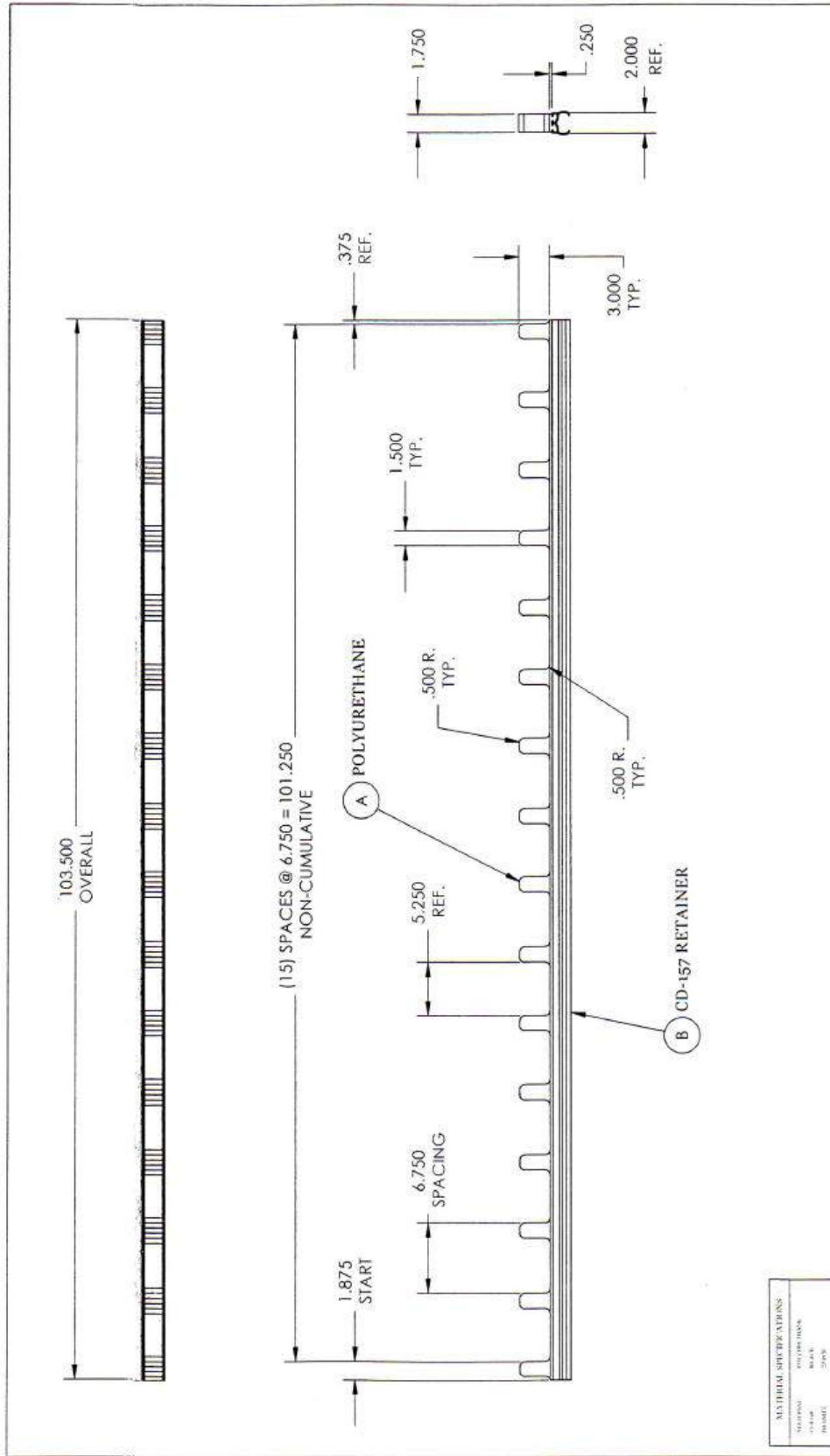
THRU-ANGLE PROJECTION
 MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED:
 ANGULAR ± .5
 XX ± 0.063
 XXX ± 0.031

THIS DRAWING IS A REPRESENTATION OF A PRODUCT THAT HAS NOT BEEN MANUFACTURED. IT IS THE USER'S RESPONSIBILITY TO VERIFY THE DIMENSIONS AND MATERIALS OF THE ACTUAL PRODUCT BEFORE MANUFACTURE.

MATERIAL SPECIFICATIONS
MATERIAL: POLYURETHANE
COLOR: BLACK
DENSITY: 27 PCF
HARDNESS: 85 SHORE A

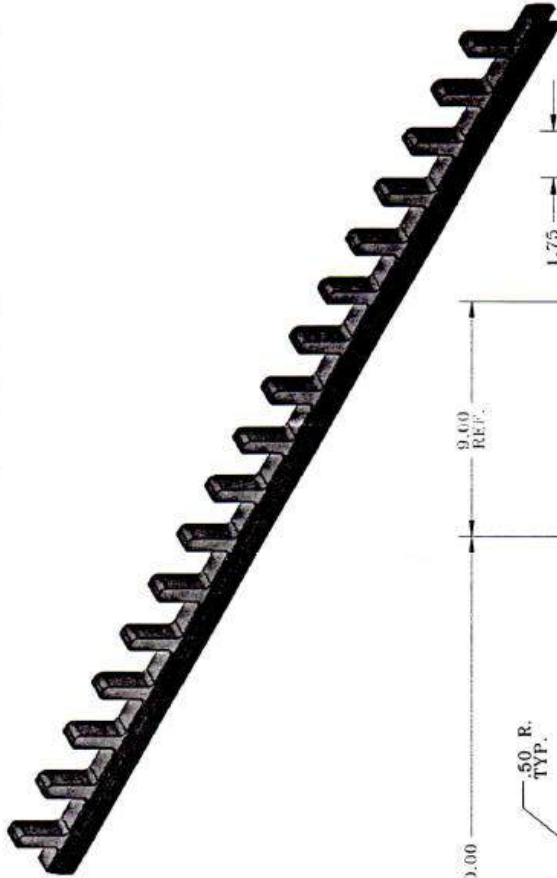


1 2 3 4 5 6 7 8



MATERIAL SPECIFICATIONS	
SUBSTRATE	STYRENE/ACRYLONITRILE
COATING	BLACK
FINISH	2000
REMARKS	1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. 2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO BE HOLE TO HOLE. 3. MATERIALS MUST BE TESTED FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. 4. ALL PARTS TO BE TESTED FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. 5. ALL PARTS TO BE TESTED FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. 6. ALL PARTS TO BE TESTED FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

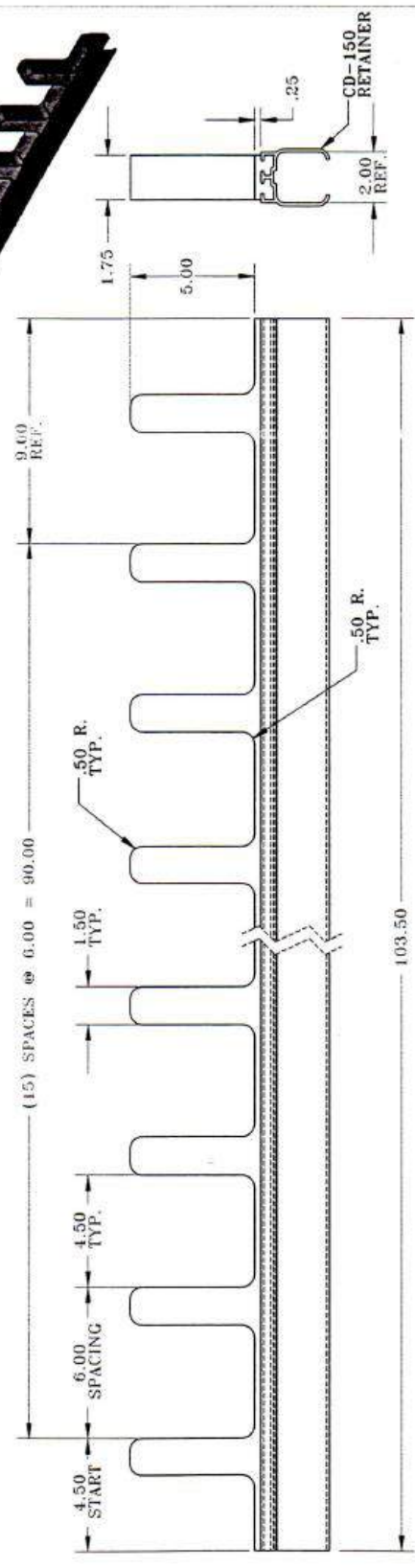
C & D Enterprises, Inc.	
TITLE: CD-403 6 3/4" Spacing Separator Binnacle	
DRAWN: 10-11-95 / JWP CHECKED: 10-11-95 / JWP	CD-403 SHEET 2 OF 2



MATERIAL SPECIFICATIONS

MATERIAL:	304 STAINLESS
FINISH:	BRUSH
THICKNESS:	.015
TEMPERATURE:	304

1. ALL DIMENSIONS SHALL BE PER UNLESS OTHERWISE SPECIFIED.
2. ALL PARTS TO BE PER RELEASE AGENTS.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE PER UNLESS OTHERWISE SPECIFIED.
4. ALL PARTS TO BE PER RELEASE AGENTS.
5. ALL PARTS TO BE PER UNLESS OTHERWISE SPECIFIED.



C & D Enterprises, Inc.

TITLE: CD-404
6.00" SPACING
SEPARATOR DUNNAGE

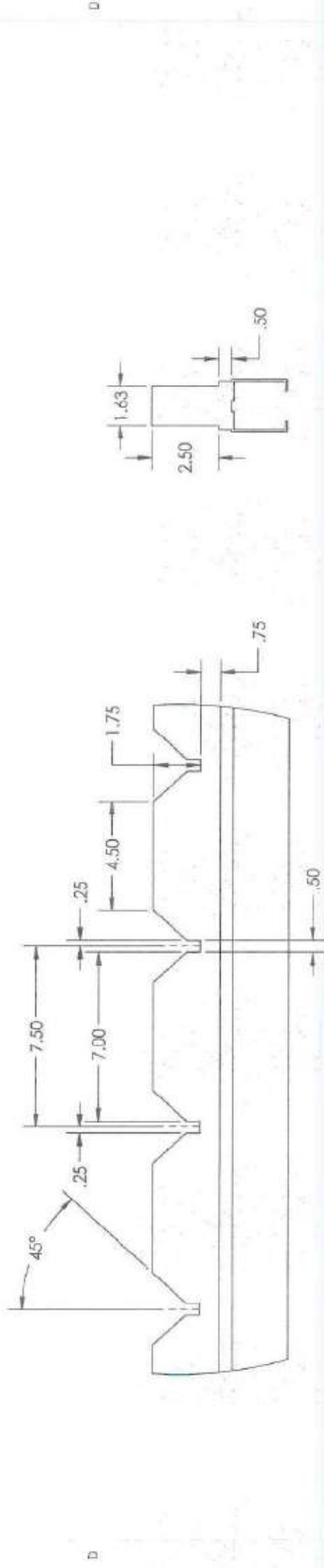
DATE: 9-29-06
REV: 1

CD-404

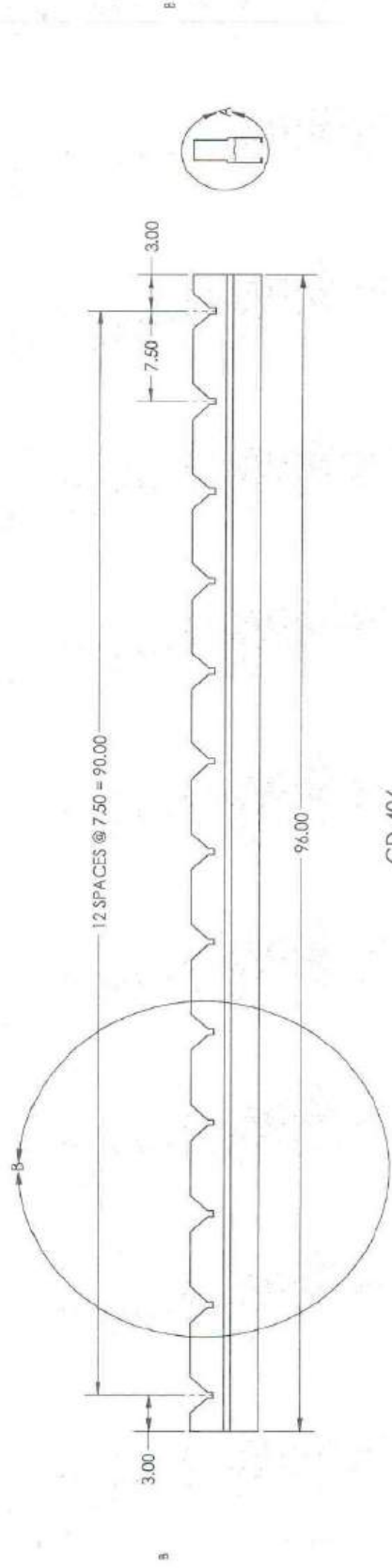
MANUFACTURING
ANGULAR
XXX

DATE: 9-29-06
REV: 1

1 2 3 4 5 6 7 8



DETAIL A
SCALE 1:4



CD-406

A Eng O./Design/Canad_Jobs/2014/Updated CD Details 26.Jun.14/CD-406



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THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED
ANGULAR = ± .5
XX = ± 0.063
XXX = ± 0.031

MANUFACTURING TOLERANCES:
THE DESIGN IS A REPRESENTATION OF PRODUCT WITH DIMENSIONS AS SHOWN. MANUFACTURER SHALL BE RESPONSIBLE FOR VERIFICATION OF DIMENSIONS DURING TOOL BUILD.

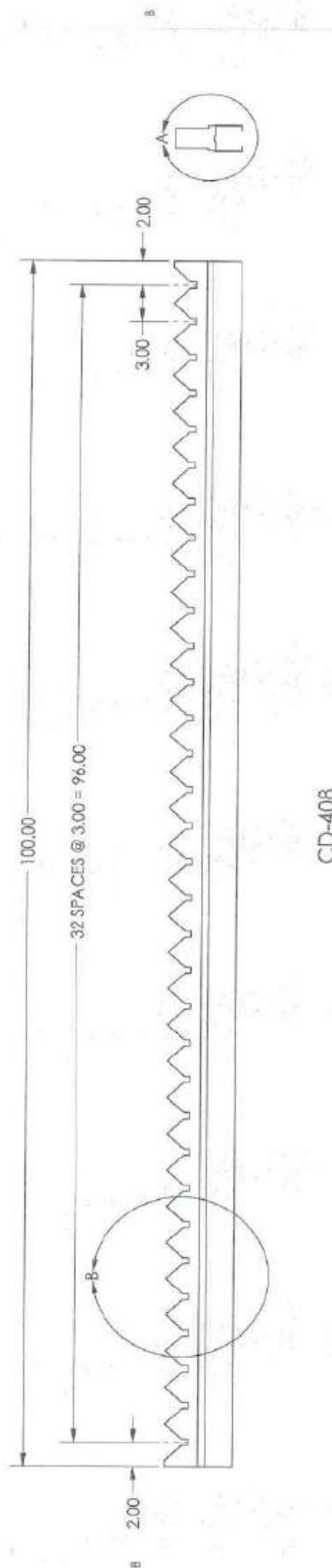
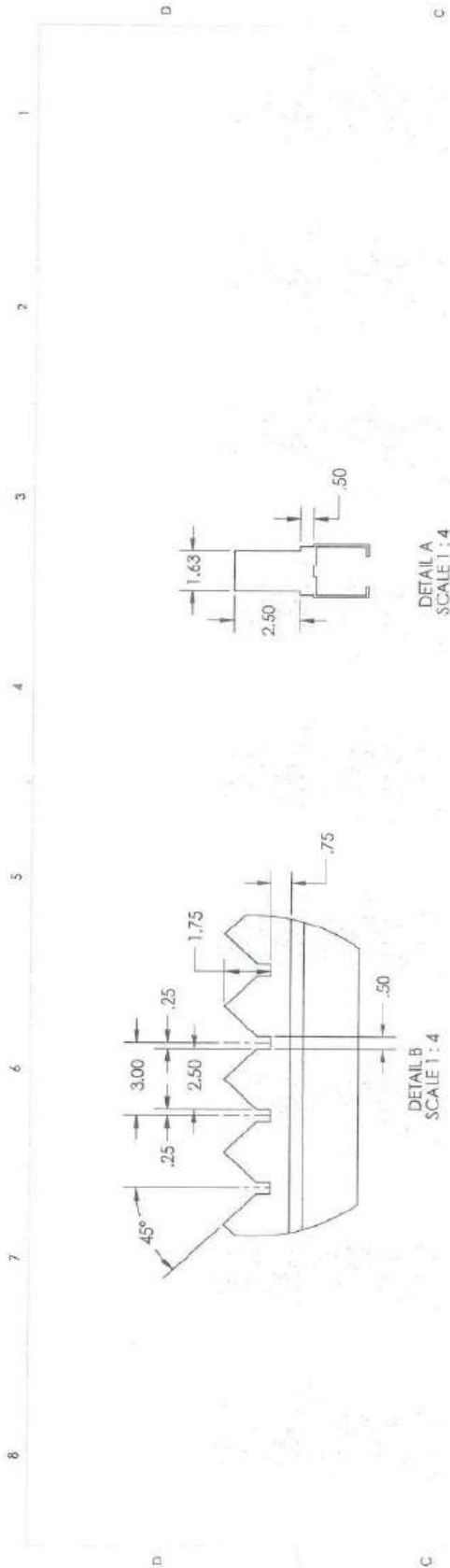
MATERIAL SPECIFICATIONS
MATERIAL: POLYURETHANE
COLOR: BLACK
DENSITY: 27 PCF
HARDNESS: 85 SHORE A

OTHER

NAME: J. URBAN
DATE: 6/20/2014
DRAWN BY: J. URBAN
CHECKED BY: [blank]
PROJECT: [blank]

DESCRIPTION: [blank]
SITE: [blank]
DWG. NO.: CD-406
SCALE: 1:20
WEIGHT: [blank]
SHEET 1 OF 1

UNCONTROLLED WHEN REVISED ON FORM



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NAME: J. URBAN DATE: 6/27/2014
DRAWN: J. URBAN SIZE: DWG. NO.: CD-408
CHECKED: PROJECT: SCALE: 1:20 WEIGHT: SHEET 1 OF 1

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED:
ANGULAR = 2.5
XX = ± 0.063
XXX = ± 0.031

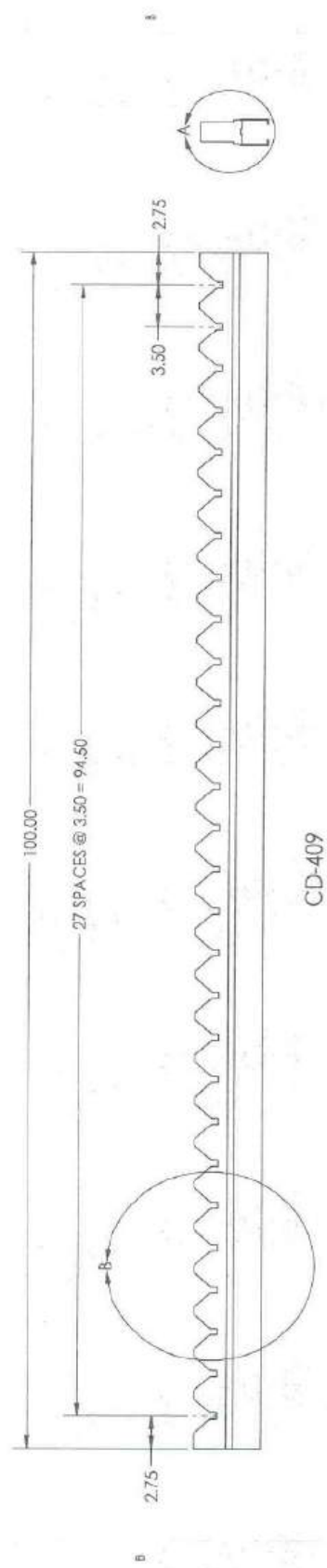
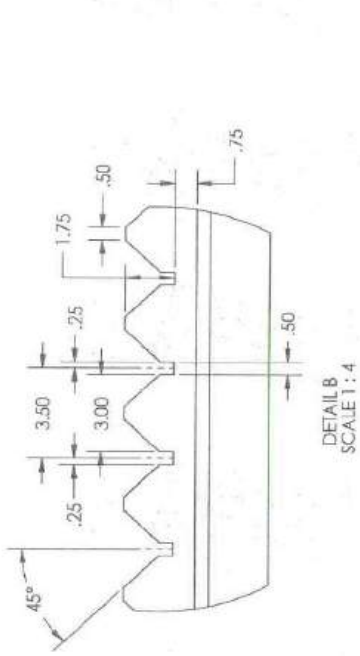
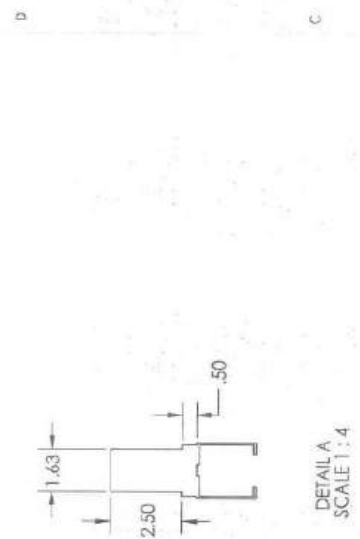
THIS DRAWING IS A REPRESENTATION OF A PRODUCT THAT MAY BE MADE TO DIFFERENT MANUFACTURING OR MATERIAL SPECIFICATIONS. C & D ENTERPRISES SHALL NOT BE RESPONSIBLE FOR ANY SUCH VARIATIONS.

MATERIAL SPECIFICATIONS	
MATERIAL	POLYURETHANE
COLOR	BLACK
DENSITY	27 Pcf
HARDNESS	65 SHORE A



Eng O:/Design/Canada_Jobs/2014/CD Dunnage Retainers 26Jun14/CD-408

6 7 6 5 4 3 2 1



UNCONTROLLED REVISIONS OR H.P. FORM

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 WITHOUT THE WRITTEN PERMISSION OF
 C & D ENTERPRISES IS EXPRESSLY PROHIBITED.

C & D ENTERPRISES

NAME: J. URBAN DATE: 6/27/2014
 DRAWN BY: J. URBAN DWG. NO.: CD-409
 CHECKED BY: PROJECT: SCALE: 1:20 WB/CHT: SHEET 1 OF 1

THIRD ANGLE PROJECTION
 MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 ANGULAR: ± 5
 XX ± 0.063
 XXX ± 0.031

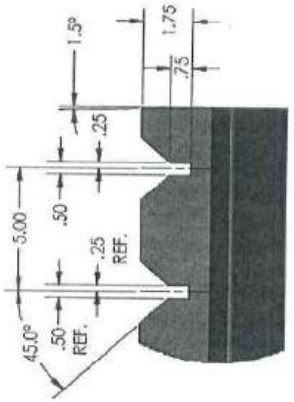
THE DESIGNER ASSUMES RESPONSIBILITY FOR THE DESIGN AND FUNCTION AND ACCORDING TO THE QUALITY OF MATERIALS AND MANUFACTURING METHODS USED.

MATERIAL SPECIFICATIONS	
MATERIAL	PO. URETHANE
COLOR	BLACK
DENSITY	27 PC
HARDNESS	65 SHORE A

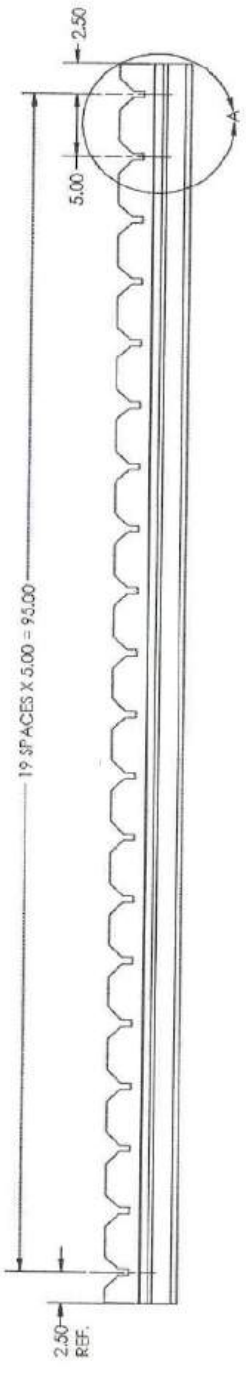
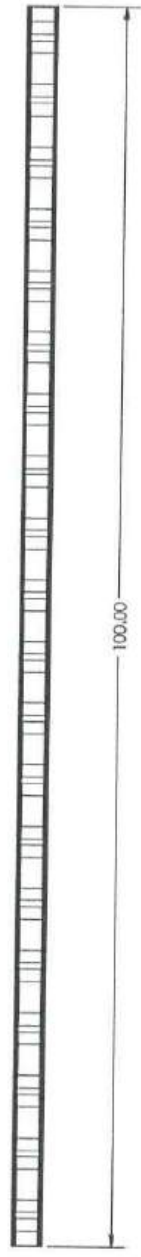
OTHER

Eng O:/Design/CanD_Jobs/2014/CD Dunnage Retainers 26Jun14/CD-409

REV.	DESCRIPTION	DATE	APPROVED



DETAIL A
SCALE 1:4



UNCHECKED WHEN PRINTED OR FOR CON.

CD ENTERPRISES

PROFESSIONAL AND COMMERCIAL
 1000 W. 10TH AVE. SUITE 100
 CANTON, OHIO 44705
 C.D. ENTERPRISES & ASSOCIATES, INC.
 1000 W. 10TH AVE. SUITE 100
 CANTON, OHIO 44705
 C.D. ENTERPRISES & ASSOCIATES, INC.

THIRD ANGLE PROJECTION

MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED:
 ANGULAR = ± .5°
 XX = ± 0.005
 XXX = ± 0.001

THE DESIGN IS A REPRESENTATION OF PRODUCT OF
 AND IS FOR INFORMATION ONLY. IT IS NOT
 TO BE USED FOR CONSTRUCTION OF ANY
 STRUCTURE WITHOUT THE DESIGNER'S
 APPROVAL.

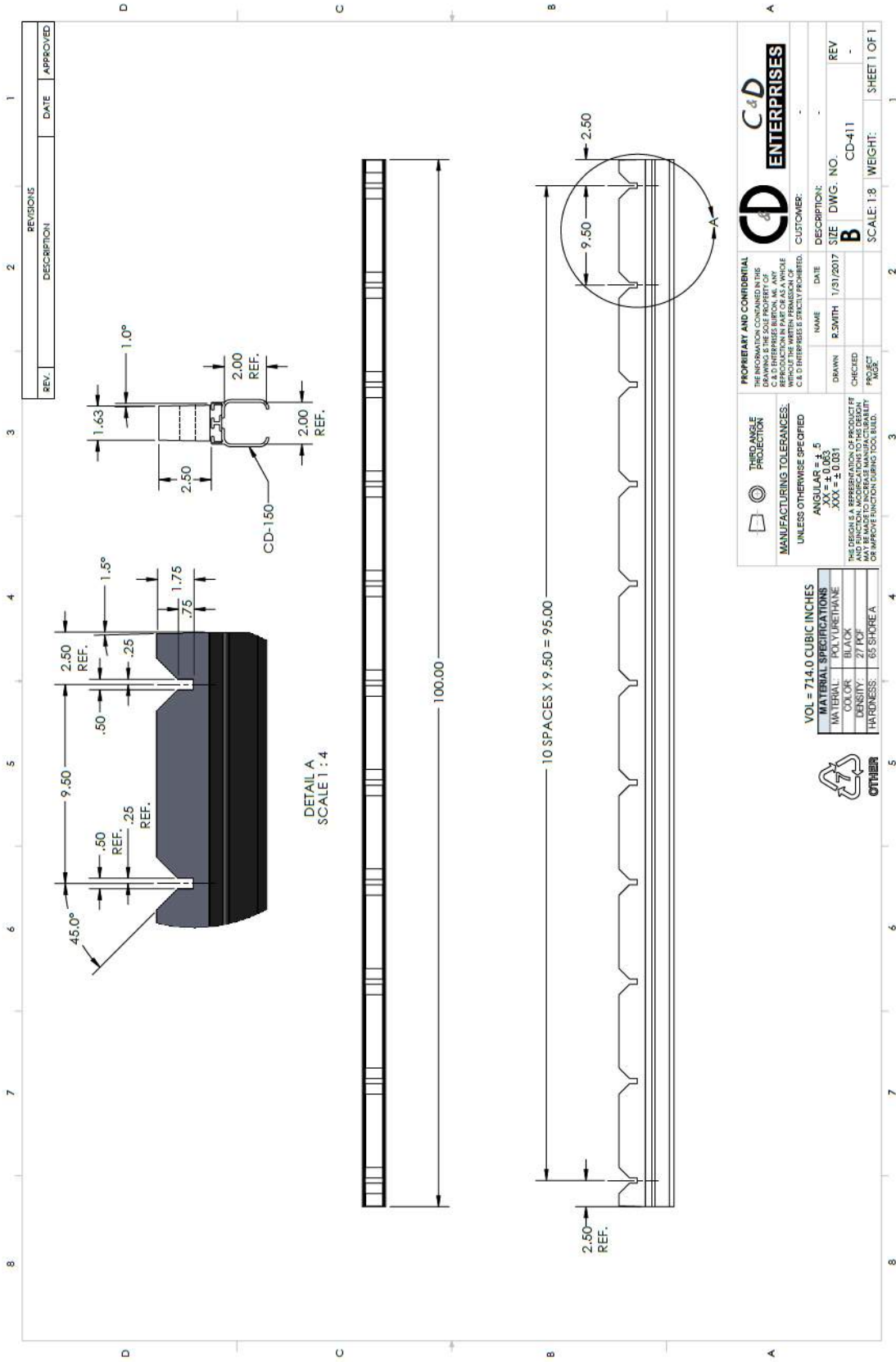
NAME: DATE: DESCRIPTION:
 DRAWN: R. SMITH 1/2/2017 SIZE: DWG. NO.: REV:
 CD-410

SCALE: 1:8 WBCHT: SHEET 1 OF 1

VOL = 499.0 CUBIC INCHES

MATERIAL SPECIFICATIONS	
MATERIAL	POLYURETHANE
COLOR	BLACK
DENSITY	27 PCF
THICKNESS	1/8" STIPOR-A





DETAIL A
SCALE 1 : 4

10 SPACES X 9.50 = 95.00

REV.	DESCRIPTION	REVISIONS	DATE	APPROVED

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PRODUCTION PROHIBITION

UNLESS OTHERWISE SPECIFIED:
 ANGULARS ± .5
 XX ± 0.0625
 XXX ± 0.031

THE DESIGN IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. ACCORDANCE TO THE DESIGN AND FUNCTION IS REQUIRED FOR THE PRODUCT TO PERFORM AS INTENDED OR TO IMPROVE FUNCTION DURING TOOL BUILD.

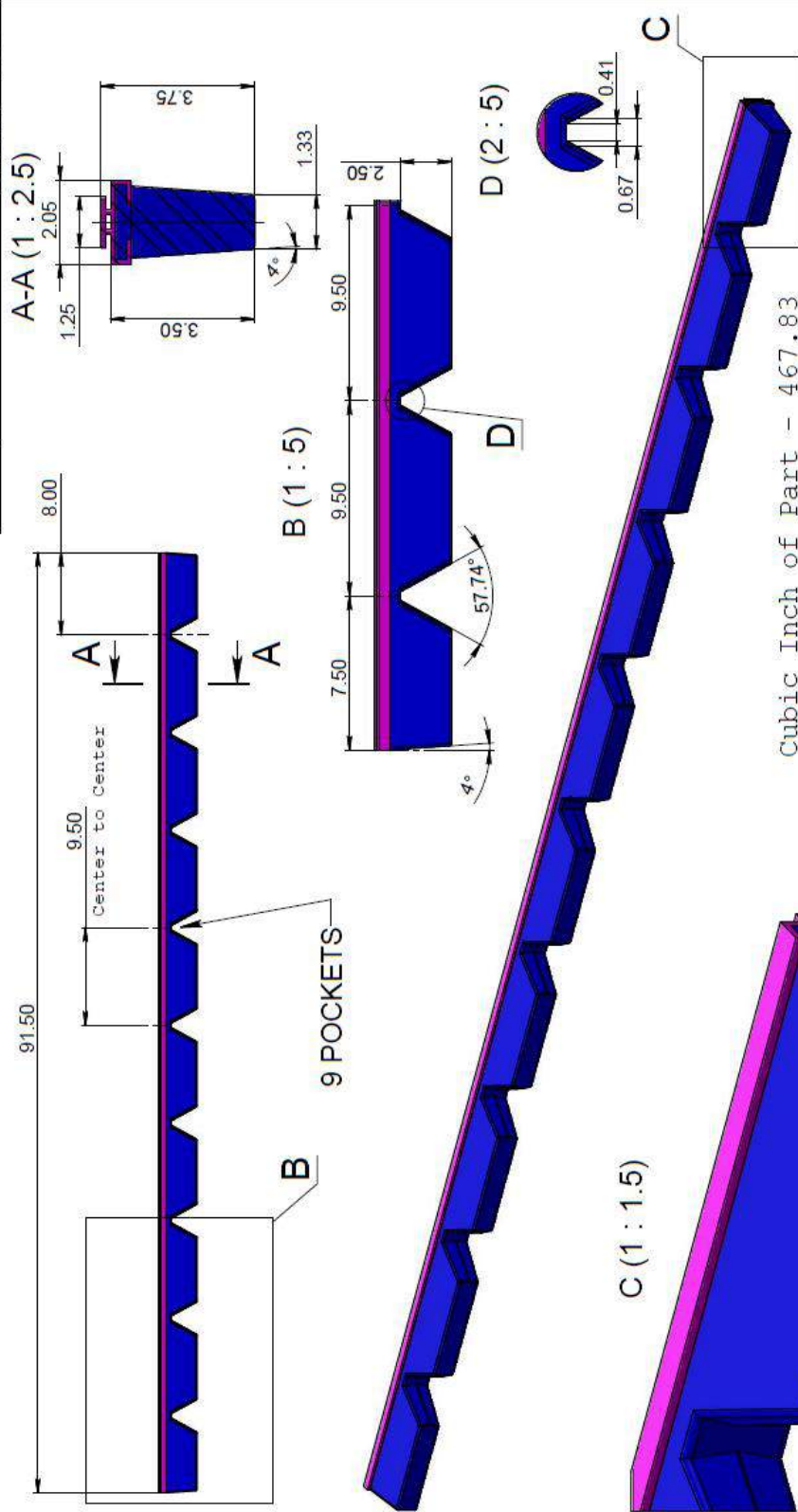
MATERIAL SPECIFICATIONS
 VOL = 714.0 CUBIC INCHES
 MATERIAL: POLYURETHANE
 COLOR: BLACK
 DENSITY: .27 PCF
 HARDNESS: 65 SHORE A

OTHER

CD ENTERPRISES

NAME: B. SMITH DATE: 1/31/2017
 DRAWN: B. SMITH SIZE: DWG. NO.:
 CHECKED: CD-411
 PROJECT: CD-411
 SCALE: 1:8 WEIGHT: SHEET 1 OF 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
IR		3/8/2017	ADS

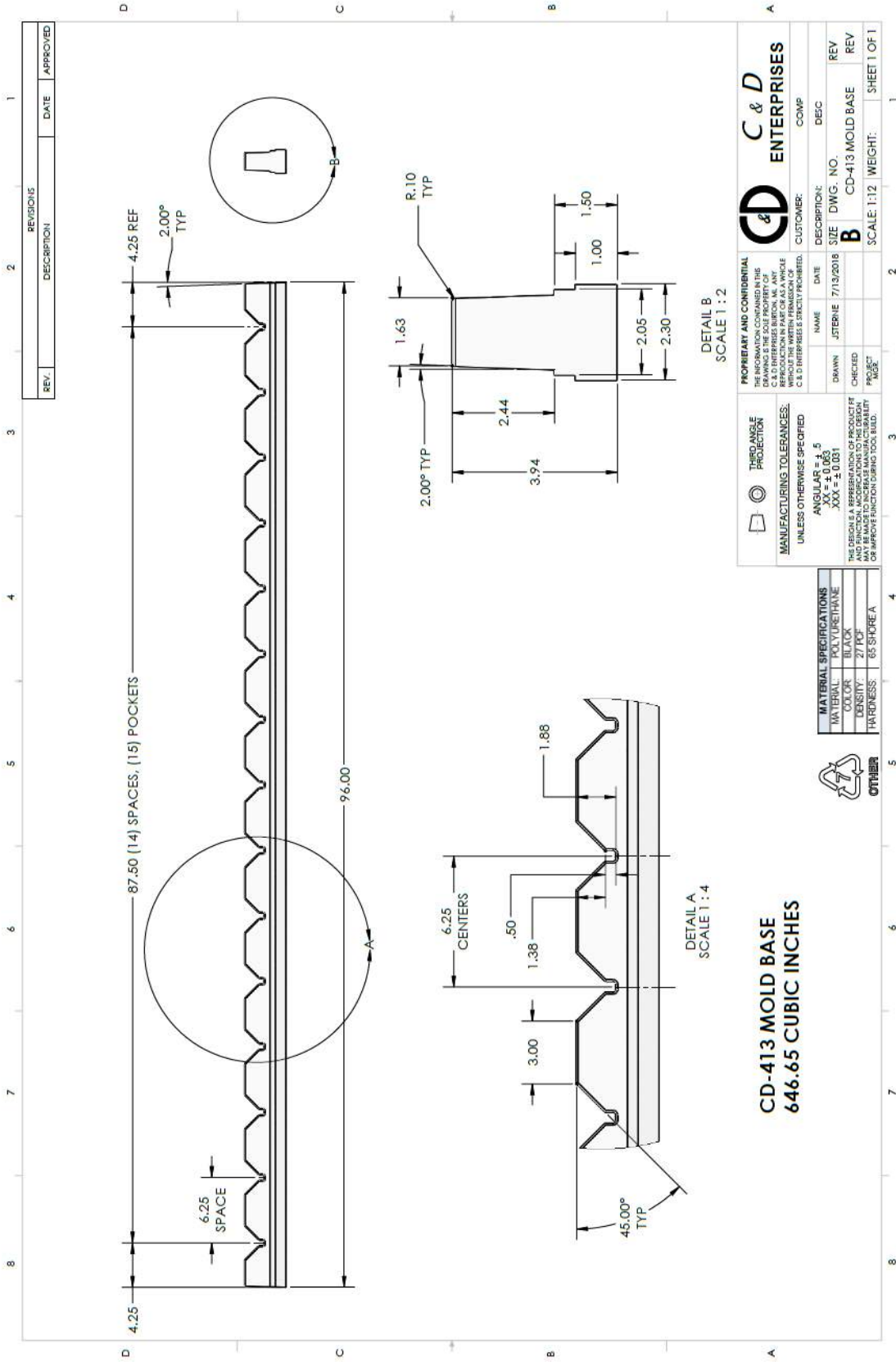


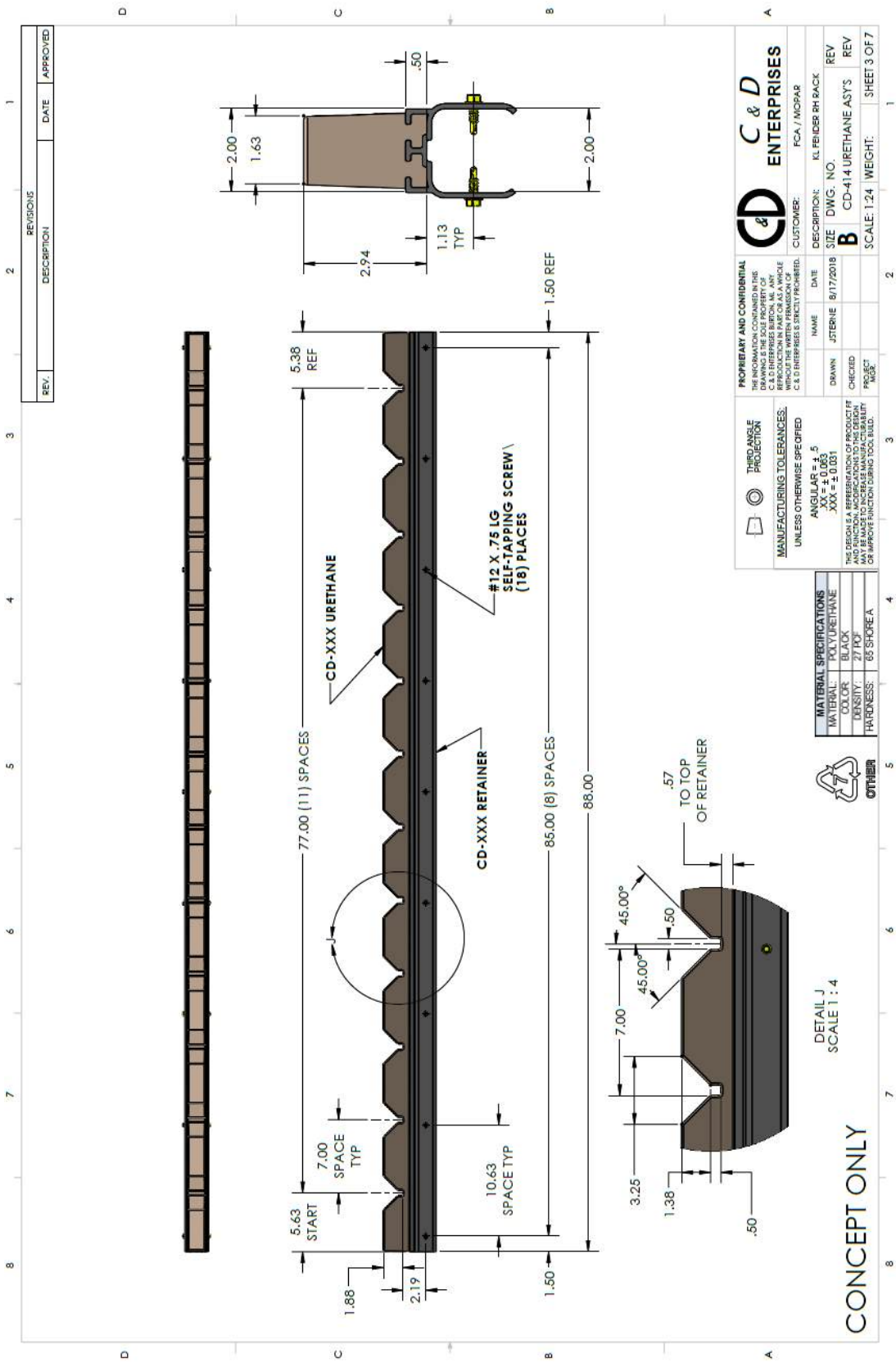
Cubic Inch of Part - 467.83

Material Specification		AeroDesign Services	
Material:	Polyurethane	TITLE:	RACK CODE #0SP01641
Color:	Black		16MP LIFT GATE ASSY
Density:	27 pcf		
Hardness:	65 Shore A		

Drawn by	P. Patel		A3
Checked by	O. Avertkiev		Page 1 of 1

CD-412

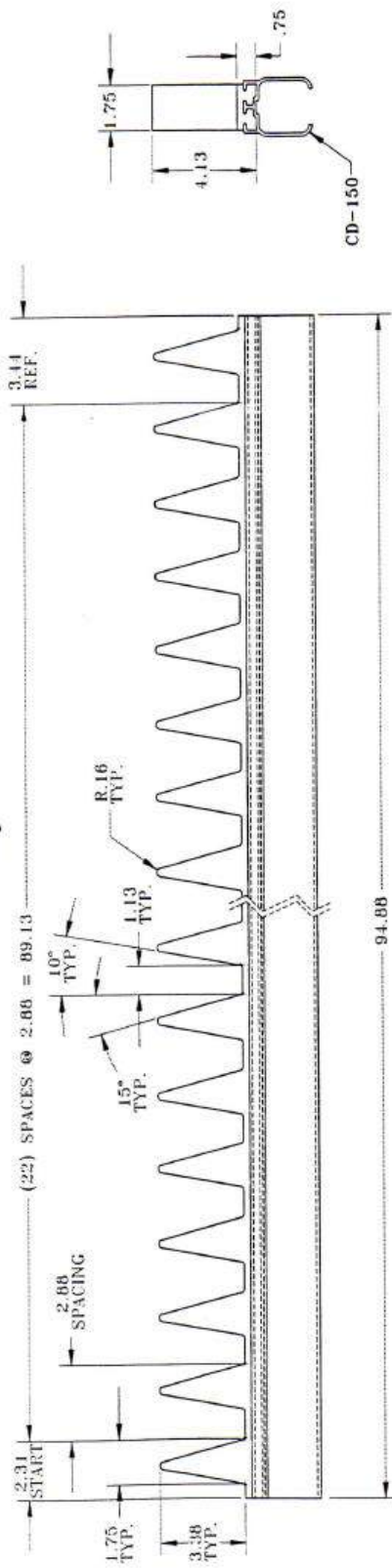
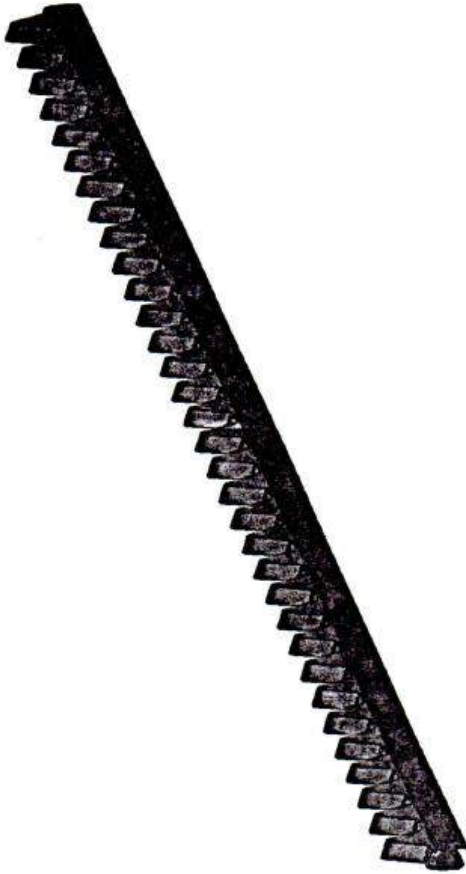




MATERIAL SPECIFICATIONS

MATERIAL:	POLYURETHANE
COLOR:	BLACK
DENSITY:	WTFP
HARDNESS:	90 ¹⁰⁻⁵
<p>1. ALL FACED SURFACES SHALL BE POLYURETHANE COATED TO PREVENT CORROSION AND TO PROTECT THE SURFACE FROM DAMAGE DURING STORAGE AND HANDLING.</p>	
<p>2. NO MATERIAL SUBSTITUTIONS ALLOWED.</p>	
<p>3. VERNACULAR DIMENSIONS - NO REFERENCE.</p>	
<p>4. ALL PARTS TO BE FREE OF RELEASE AGENTS.</p>	
<p>5. ALL PARTS TO BE PERMANENTLY MARKED WITH IDENTIFICATION NUMBER AND DATE OF PRODUCTION.</p>	

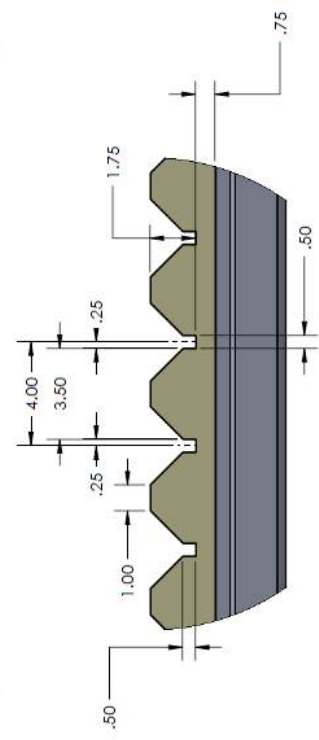
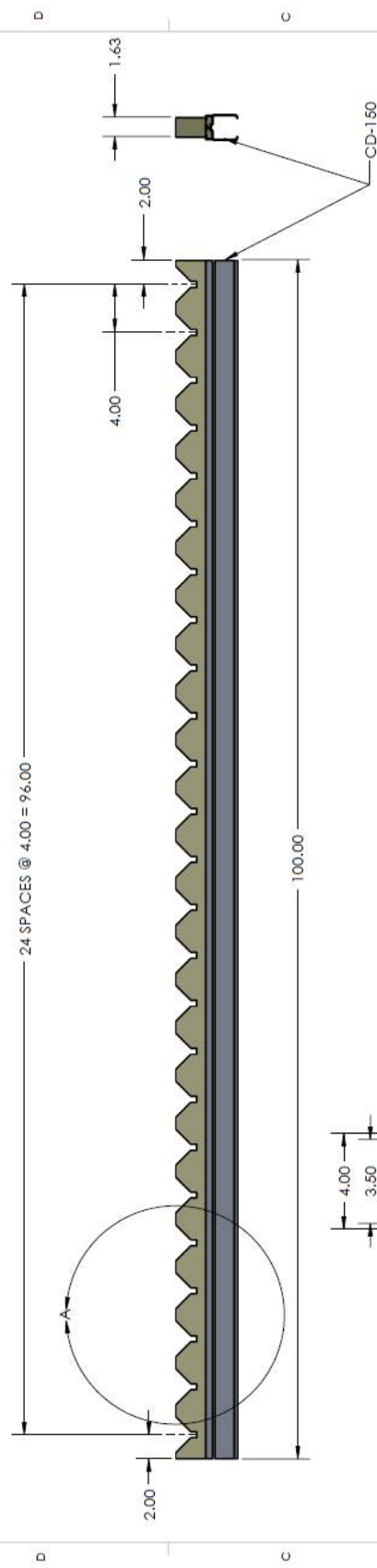
NOTE: ALL FILLETS & RADI TO BE .13
 UNLESS OTHERWISE SPECIFIED.
 ALL DRAFTS TO BE 3 DEGREES
 UNLESS OTHERWISE NOTED.




Job #
5803

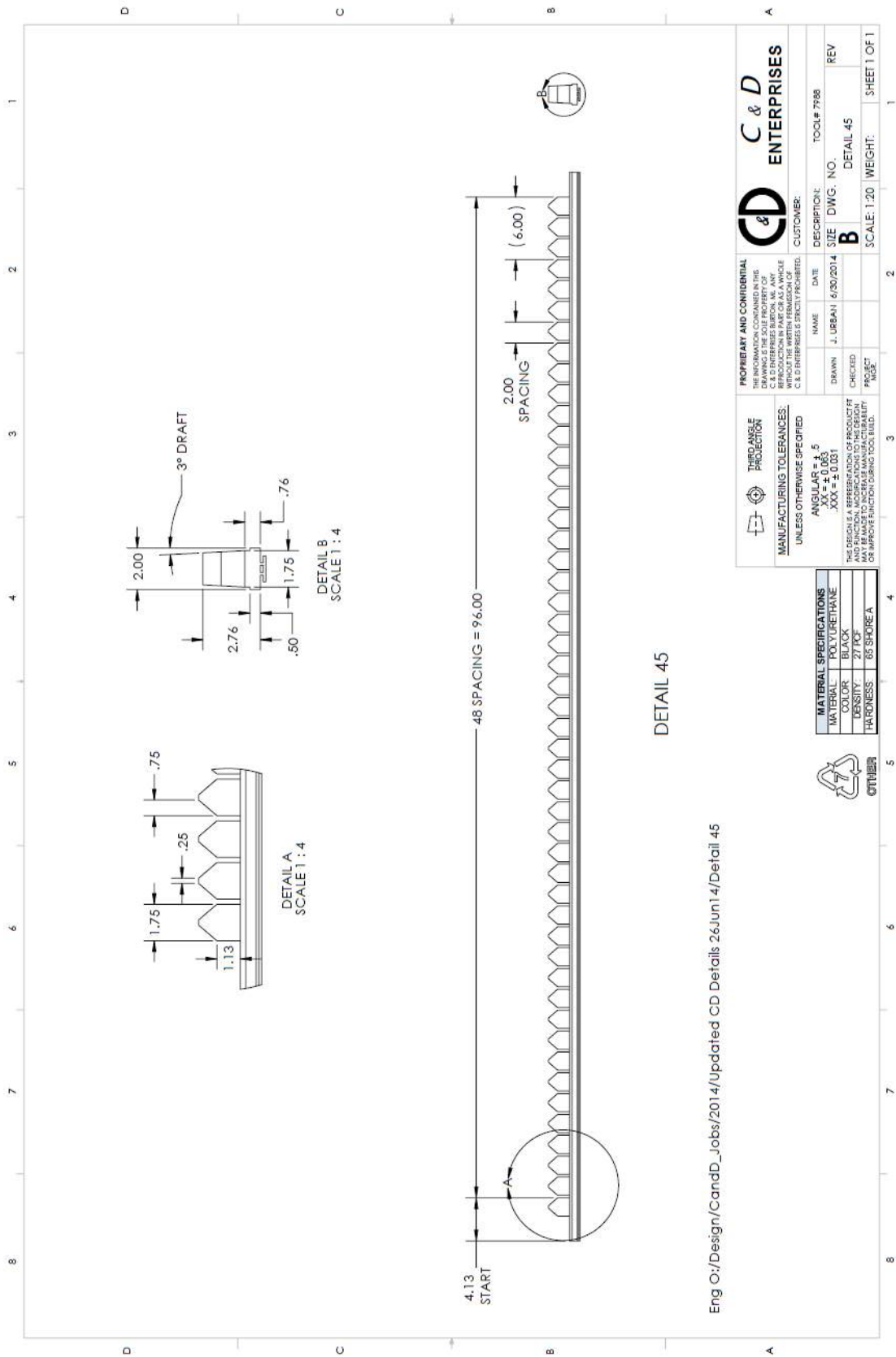
<p>C & D Enterprises, Inc. CD-1020 2.88" SPACING SEPARATOR BUNNAGE</p>	
<p>DATE: 9-20-06 NAME: [REDACTED] TITLE: [REDACTED]</p>	<p>DATE: 9-20-06 NAME: [REDACTED] TITLE: [REDACTED]</p>
<p>CD-1020 1 of 1</p>	<p>CD-1020 1 of 1</p>

REV.	DESCRIPTION	DATE	APPROVED
1			



	1929 NORTH OPDYKE AUBURN HILLS, MI 48326-2664 PHONE (248) 373-0011 FAX (248) 373-3470	
	ISO 9001:2000 Registered	
MATERIALS: POLYURETHANE		TITLE: DETAIL 36
THIRD ANGLE PROJECTION ISO 1101 SCALE DRAWING		C&D#: DATE: 7/20/2011
COLOR: BLACK		DENSITY: 27 PCF.
HARDNESS: 65 SHORE A +/- 5		

NOTE:
 THE "SNAP ON DUNNAGE" RETAINER SYSTEM IS A PATENTED,
 PROPRIETARY ITEM FOR ALL DUNNAGE APPLICATIONS,
 INCLUDING BUT NOT LIMITED TO URETHANE, INJECTION MOLDED
 OR FABRICATED MATERIALS.



DETAIL 45

Eng O:/Design/CandD_Jobs/2014/Updated CD Details 26Jun14/Detail 45

THIRD ANGLE PROJECTION		PROPERTY AND CONFIDENTIAL	
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MANUFACTURING TOLERANCES:		NAME	DATE
ANGULAR = ± .5		J. URBAN	6/30/2014
XXX = ± 0.003		DESCRIPTION:	TOOL# 7888
THIS DRAWING IS THE PROPERTY OF C & D ENTERPRISES. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF C & D ENTERPRISES IS STRICTLY PROHIBITED.		SIZE	DWG. NO.
		B	DETAIL 45
		PROJECT	SCALE: 1:20
		WEIGHT:	SHEET 1 OF 1

MATERIAL SPECIFICATIONS	
MATERIAL	POLYURETHANE
COLOR	BLACK
DENSITY	27 PCF
HARDNESS	85 SHORE A



C & D ENTERPRISES

Customer: **B**

Scale: 1:20

Weight: SHEET 1 OF 1

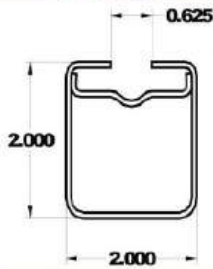
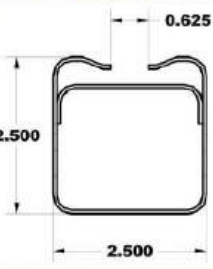
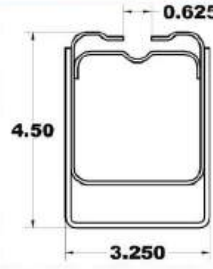
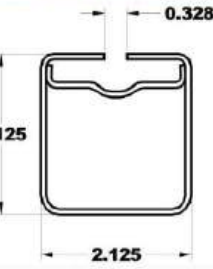
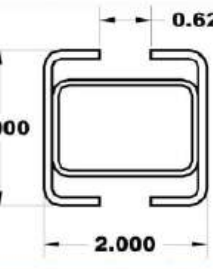
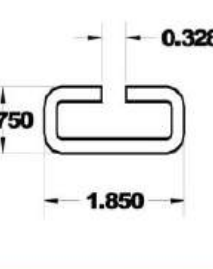
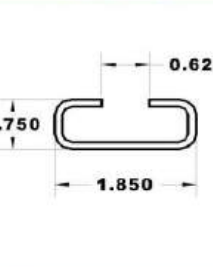

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Richfield
Industries

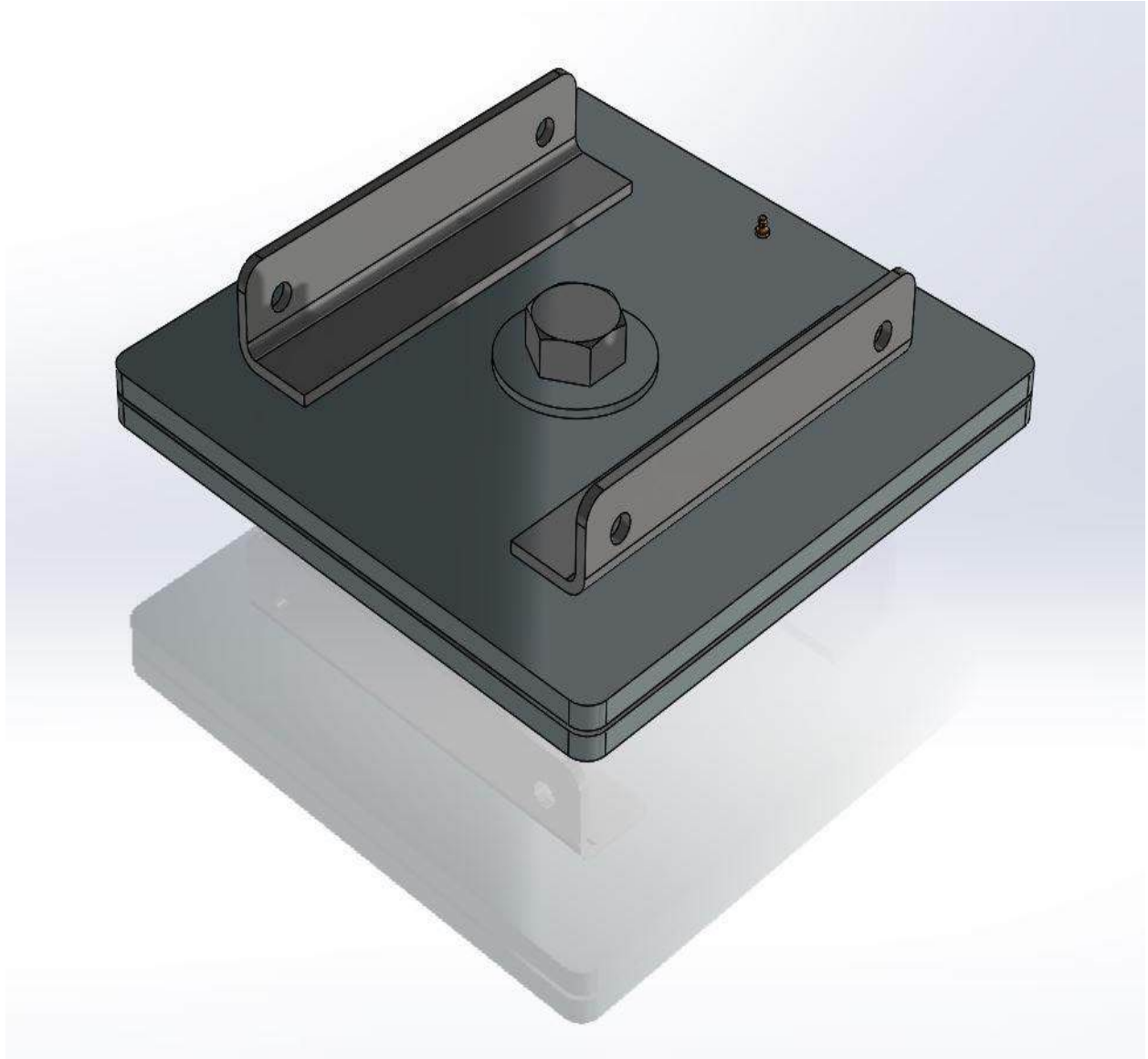
DUNNAGE BAR SPECIFICATION SHEET

Available dunnage bar / load bar specification sheet

<p>Profile</p> 	<p>Specifications</p> <p>XF Standard</p> <p>Weights</p> <p>2.28 lbs./ft. (comparable to an aluminum bar)</p> <p>RI Part #</p> <p>RI-5074 / 2XF</p>	<p>Profile</p> 	<p>Specifications</p> <p>GM AHB Series</p> <p>Weights</p> <p>2.28 lbs./ft.</p> <p>RI Part #</p> <p>RI-913 x 89.125" RI-914 x 89.625" RI-915 x 104" 2.5XF</p>
<p>Profile</p> 	<p>Specifications</p> <p>GM High-Strength</p> <p>Weights</p> <p>5.35 lbs./ft.</p> <p>RI Part #</p> <p>RI-5074 3.5x3XF</p>	<p>Profile</p> 	<p>Specifications</p> <p>XF Special</p> <p>Weights</p> <p>3.42 lbs./ft.</p> <p>RI Part #</p> <p>RI-570 2.12 XF</p>
<p>Profile</p> 	<p>Specifications</p> <p>Standard Double Slot</p> <p>Weights</p> <p>3.42 lbs./ft.</p> <p>RI Part #</p> <p>RI-5011 2 Double Slot</p>	<p>Profile</p> 	<p>Specifications</p> <p>Standard Load Bar</p> <p>Weights</p> <p>8 Gage 2.1 lbs./ft. Or 11 Gage 1.7 lbs./ft.</p> <p>RI Part #</p> <p>RI-5022 .75x1.850</p>
<p>Profile</p> 	<p>Specifications</p> <p>Standard Load Bar</p> <p>Weights</p> <p>12 Gage 1.4 lbs./ft.</p> <p>RI Part #</p> <p>RI-5023</p>		

**For more information please contact
Kim Campbell @ 248-634-8267 ext. 2212
Email dbars@richind.com**

SWIVEL BEARING ASSEMBLY



KEY	DET	QTY	SHT	DESCRIPTION
1	1	3.6	1	.50 X 14.00 X 14.00 - MACHINED PLATE - ZINC PLATED W/ ZERK HOLE
2	1	3.6	1	.50 X 14.00 X 14.00 - MACHINED PLATE - ZINC PLATED
3	4	3.7	1	25 X DEV. WIDTH X 10.00 LG. - H.R.S.
4	1	3	1	1.25-7 X 3.50 LG -HEX HEAD MECH BOLT GRADE 5 - ZINC PLATED
5	2	3	1	1.25 USS WASHER
6	1	3	1	1.25-7 NYLON NUT
7	60	3	1	.625 STAINLESS STEEL BEARING
8	1	3	1	ZERK FITTING (PRESS IN) 3/16
9	1	3.6	1	1.25 BORE X 1.50 OD X 1.25 LG. - CAST BRONZE BUSHING

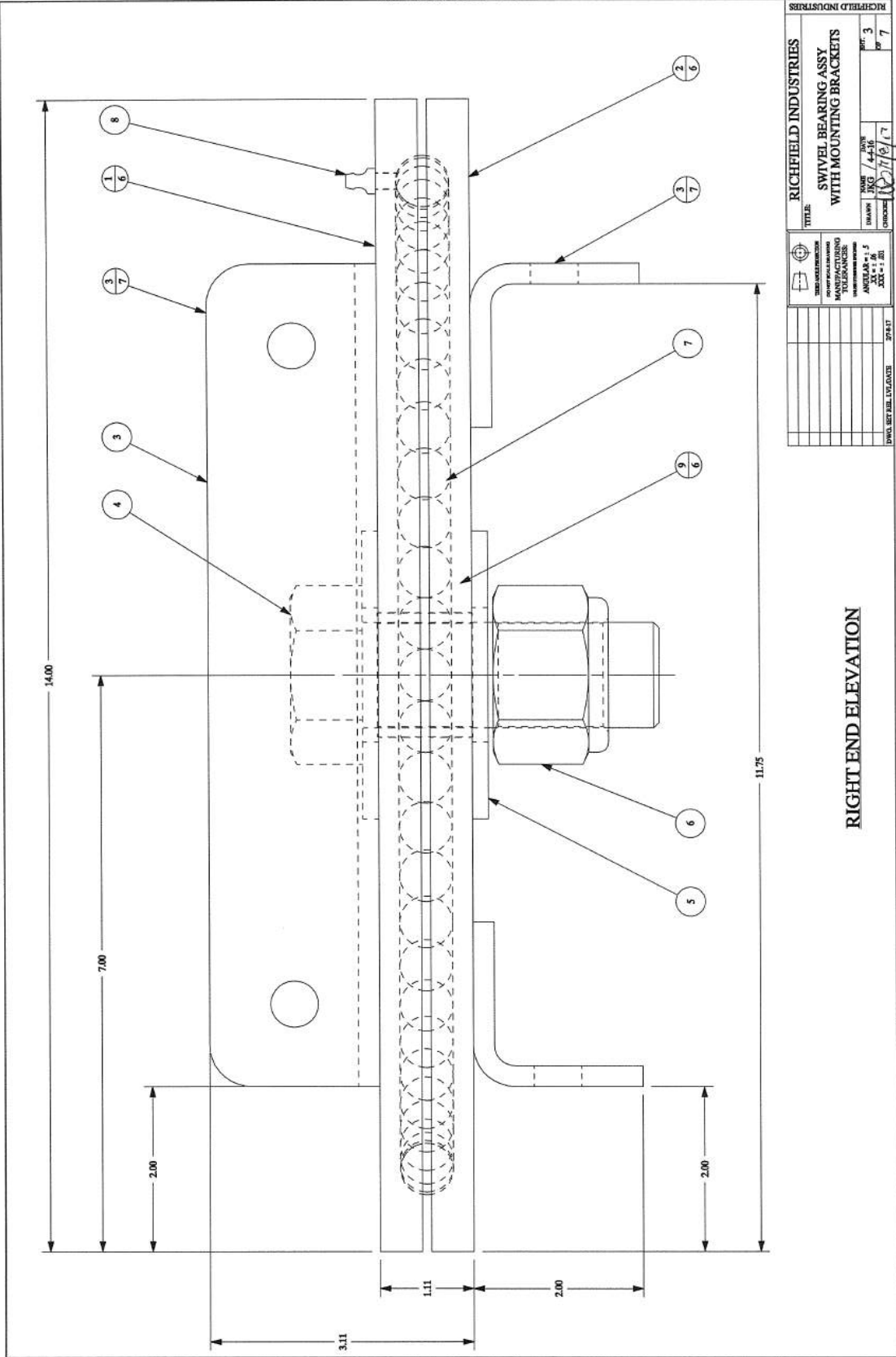
KEY

GENERAL NOTES

- 1) FOR ALL DESIGN CONSTRUCTION & DIMS NOT SHOWN, REFER TO CHRYSLER LLC MATERIAL HANDLING CASE STANDARDS
- 2) PRIME BACK & ACCESSORIES COMPLETE (1) COAT CHRYSLER LLC STANDARD REFVP #2583 BUFF & PAINT (2) COMPLETE COAT CHRYSLER LLC STANDARD REFVP #2583
- 3) STENCIL 1/2" HIGH LETTERS AS SHOWN USING CHRYSLER LLC STANDARD WHITE INK FOR POROUS AND NON-POROUS SURFACES.
- 4) ALL WELD JOINTS NOT SPECIFIED SHOULD BE .18 CONTINUOUS.
- 5) FIRST TOoled PRODUCTION BACKS MUST BE APPROVED BY PROGRAM MANAGEMENT SUPPLIER PRIOR TO PRODUCTION START UP.
- 6) ALL PRODUCTION BACKS MUST BE COMPLETELY FREE OF THE FOLLOWING: ALL SHARP CORNERS AND EDGES, BURRS, RUST AND EXCESSIVE WELD SPATTER.
- 7) FABRICATOR TO USE GRADE 5 HEX HD. CAP SCREWS AND CAPScrews. UNLESS OTHERWISE SPECIFIED ON THE PRINTS.
- 8) ALL FASTENERS MUST BE PLATED.
- 9) ALL STAINLESS STEEL REQUIRED ON THE RACK IS TO BE WELDED AFTER THE RACK HAS BEEN COMPLETELY PAINTED AND MUST BE PAINT FREE.
- 10) ALL ZERK FITTINGS ARE TO BE GREASED PRIOR TO RACK SHIPMENT.
- 11) ALL ITEMS NOT SUPPLIED BY CHRYSLER LLC ARE THE BACK FABRICATORS RESPONSIBILITY.
- 12) () DENOTES CRITICAL CHARACTERISTICS. ALL DIMENSIONS NOTED BY THIS SYMBOL MUST BE INSPECTED AND RESULTS DOCUMENTED BY BACK SEQUENCE NUMBER.

RICHFIELD JOB NUMBER-5001

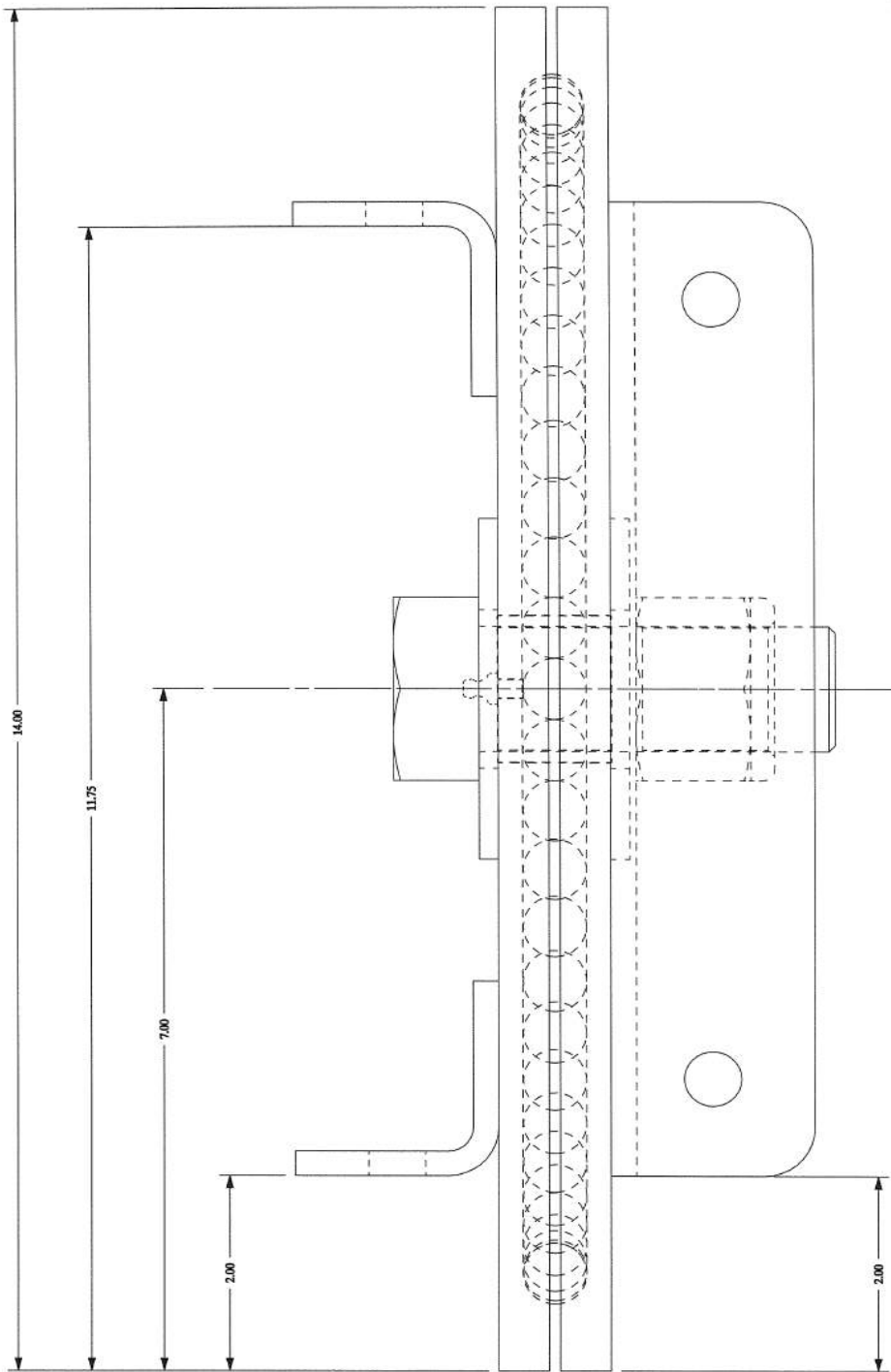
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DATE:		4-13-13	
DRAWN BY:		[Signature]	
CHECKED BY:		[Signature]	
SHEET NO:		2 OF 7	
PART NO:		[Blank]	
REV:		[Blank]	
DATE:		[Blank]	
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TITLE: SWIVEL BEARING ASSY WITH MOUNTING BRACKETS		DRAWN: JKG / 4-2-98	
DATE: 10/19/17		CHECKED: JKG / 10/19/17	
SHEET: 3		OF: 7	
SCALE: ANGLE: 1:1		DATE: 10/19/17	
PROJECT: 37847		JOB: 1-201	

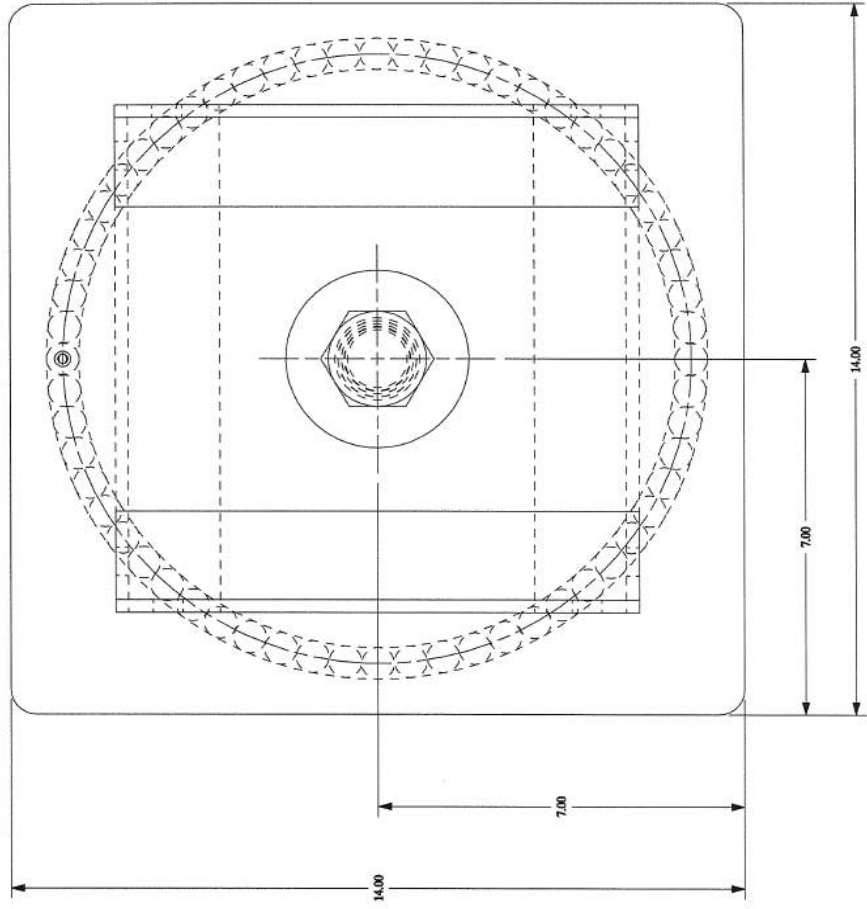
RIGHT END ELEVATION

RICHFIELD JOB NUMBER: 6001



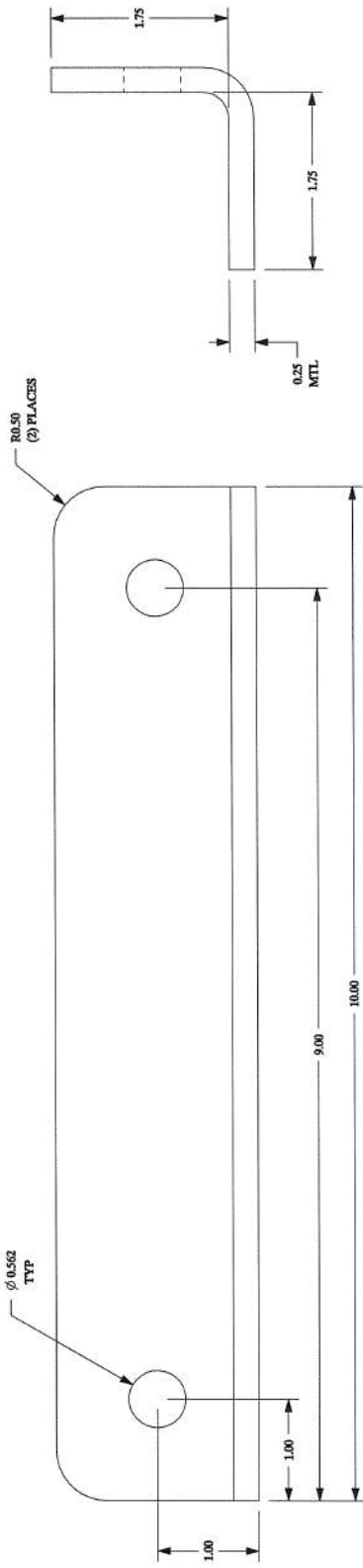
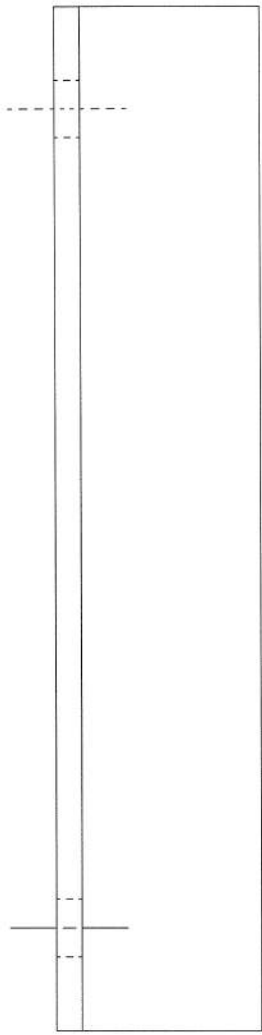
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TITLE	SWIVEL BEARING ASSY WITH MOUNTING BRACKETS
DATE	4-4-58
DRW	17
CHK	4
APP	7
PROJ. OFF. FILE NO.	27437
MANUFACTURING	ANGULAR - 1.5 XXX - 1.25
INSPECTION	
TESTING	
FINISHING	
PACKING	
REWORK	
REVISIONS	

FRONT ELEVATION



PLAN VIEW

RICHFIELD INDUSTRIES	
TITLE SWIVEL BEARING ASSY WITH MOUNTING BRACKETS	
DATE 4-4-16	DRW 5
CHKD 10/27/17	APP 7
MANUFACTURING TOLERANCES ANGULAR ± .5 DIM ± .015 XXX ± .01	
DWG. SERIAL. 17104218 27837	



DETAIL 3

RICHFIELD INDUSTRIES		RICHFIELD INDUSTRIES	
TITLE SWIVEL BEARING ASSY WITH MOUNTING BRACKETS		DATE 10/2/17	REV 7
DESIGNED BY JMG	CHECKED BY JMG	DATE 4-4-16	REV 7
THIS DRAWING IS THE PROPERTY OF RICHFIELD INDUSTRIES AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF RICHFIELD INDUSTRIES		APPROVED BY JMG	DATE 4-4-16
2. IF THIS IS A REVISED DRAWING, THE FOLLOWING INFORMATION SHALL BE FURNISHED:		DATE 4-4-16	REV 7
DRAWN BY: JMG		DATE 4-4-16	REV 7
CHECKED BY: JMG		DATE 4-4-16	REV 7
APPROVED BY: JMG		DATE 4-4-16	REV 7

MHA-003LH	
Customer Number	
Name	Torsion Springs LH
Material	Spring Steel
Tool Location	Outsourced
Drawing Location	
Aprox.Pricing	Trial \$30.00ea. / Prod \$8.00ea.
Application	Shelf Racks - Spring Assist for Lids.

PROPRIETARY



MHA - Materials Handling Associates

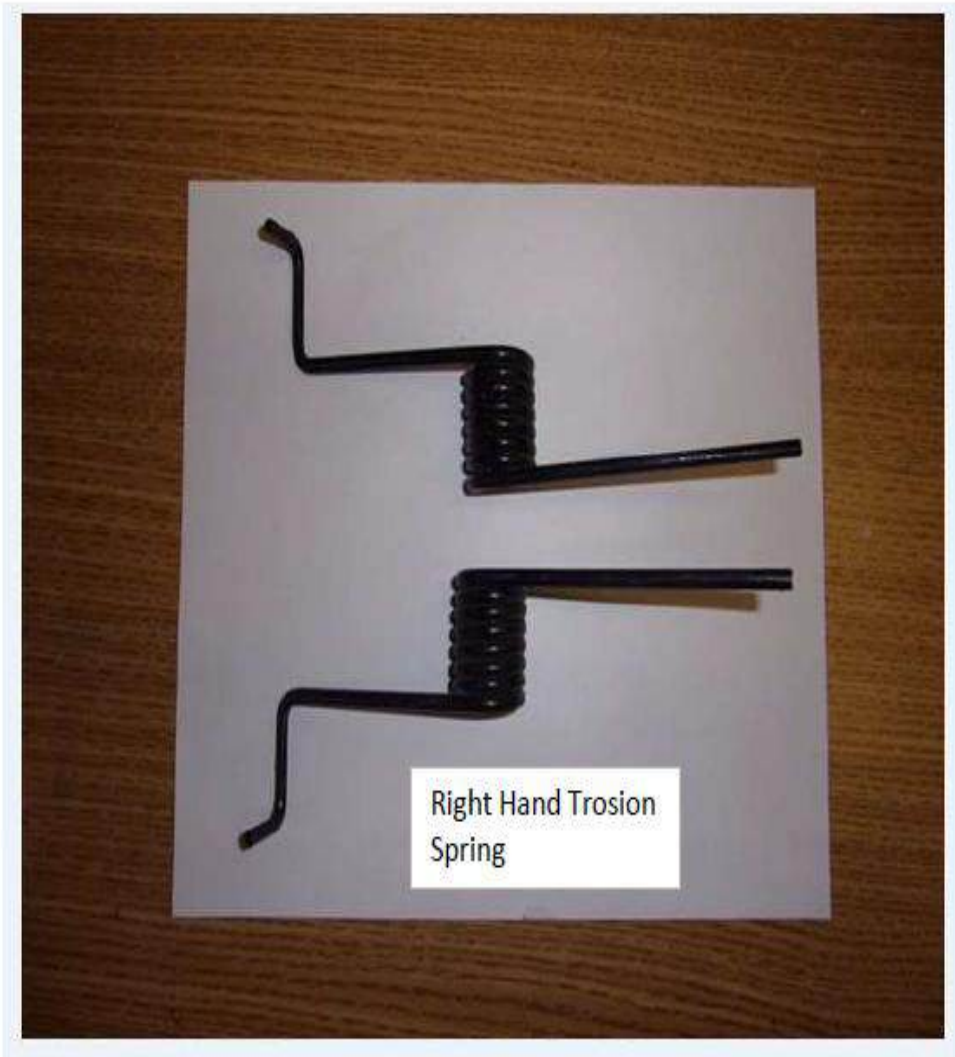


MHA-003RH	
Customer Number	
Name	Trosion Spring RH
Material	Spring Steel
Tool Location	Outsourced
Drawing Location	
Aprox.Pricing	Trial \$30.00ea. / Prod \$8.00ea.
Application	Shelf Racks - Spring Assist for Lids.

PROPRIETARY



MHA - Materials Handling Associates



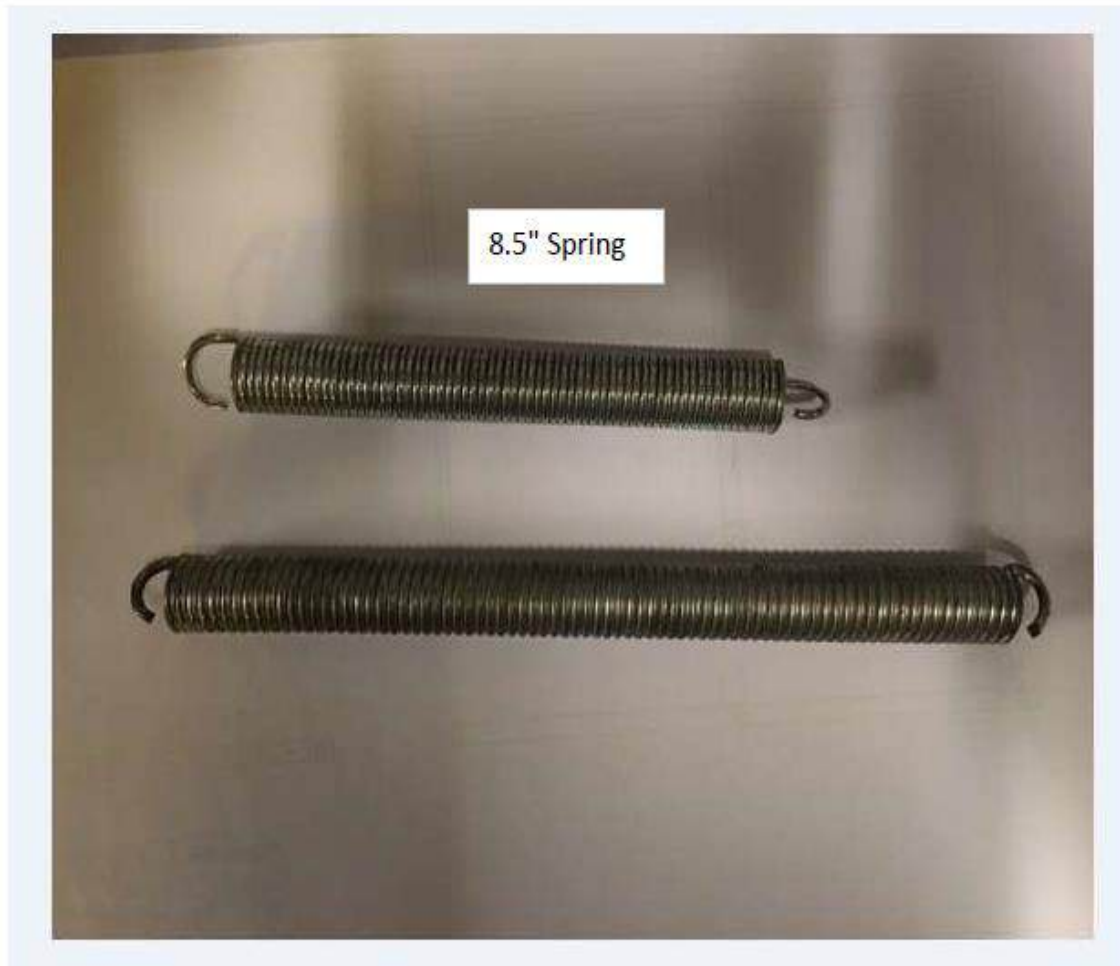
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Customer Number	
Name	Extension Spring x 8.5" Long
Material	Spring Steel
Tool Location	Outsourced
Drawing Location	
Aprox.Pricing	Trial \$8.00ea. / Prod \$3.00ea.
Application	Shelf Racks - Spring Assist for Shelves.



PROPRIETARY



MHA - Materials Handling Associates



MHA-004 x 12.00 Inch	
Customer Number	
Name	Extension Spring x 12" Long
Material	Spring Steel
Tool Location	Outsourced
Drawing Location	
Aprox.Pricing	Trial \$8.00ea. / Prod \$3.00ea.
Application	Shelf Racks - Spring Assist for Shelves.

PROPRIETARY

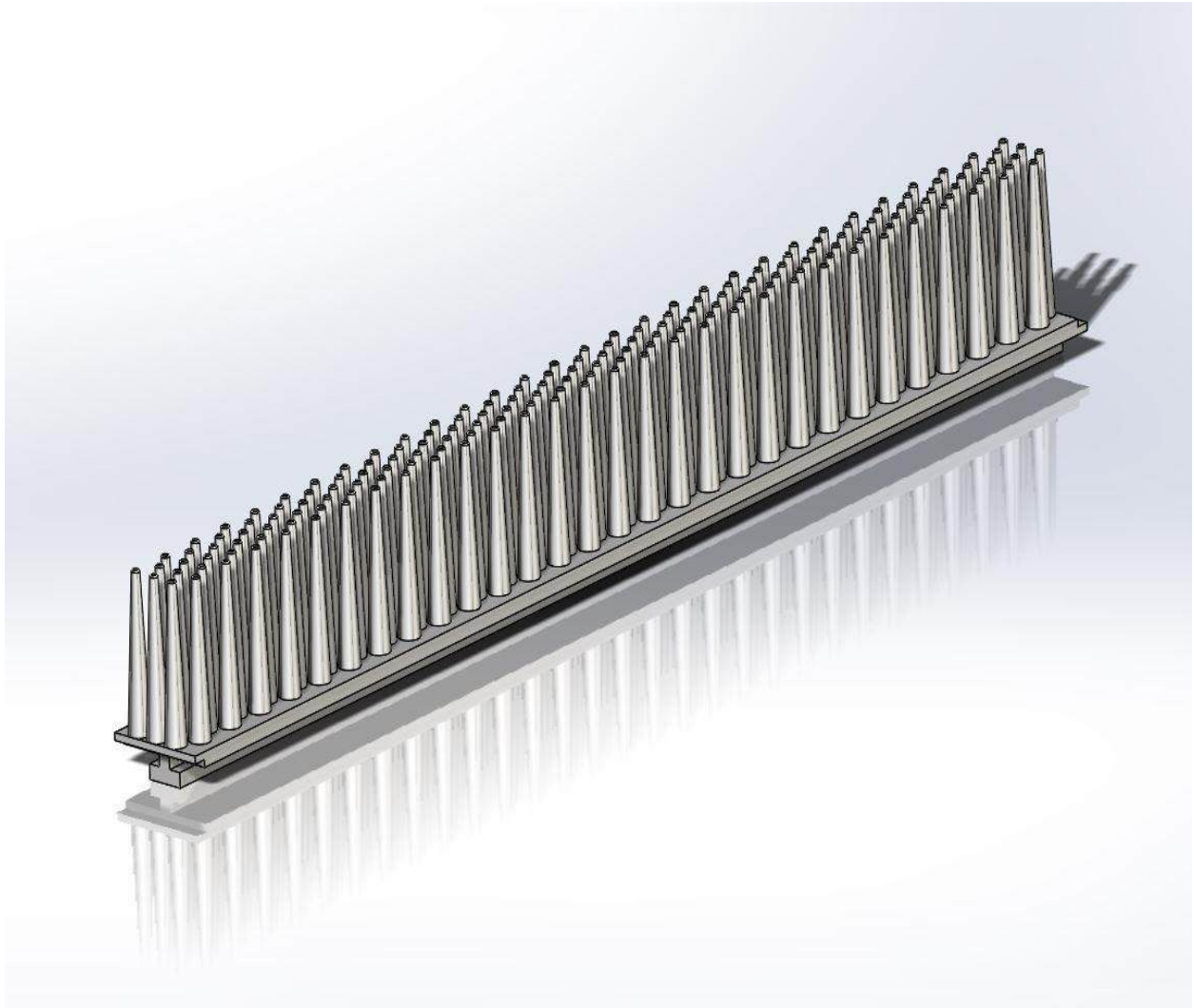


MHA - Materials Handling Associates



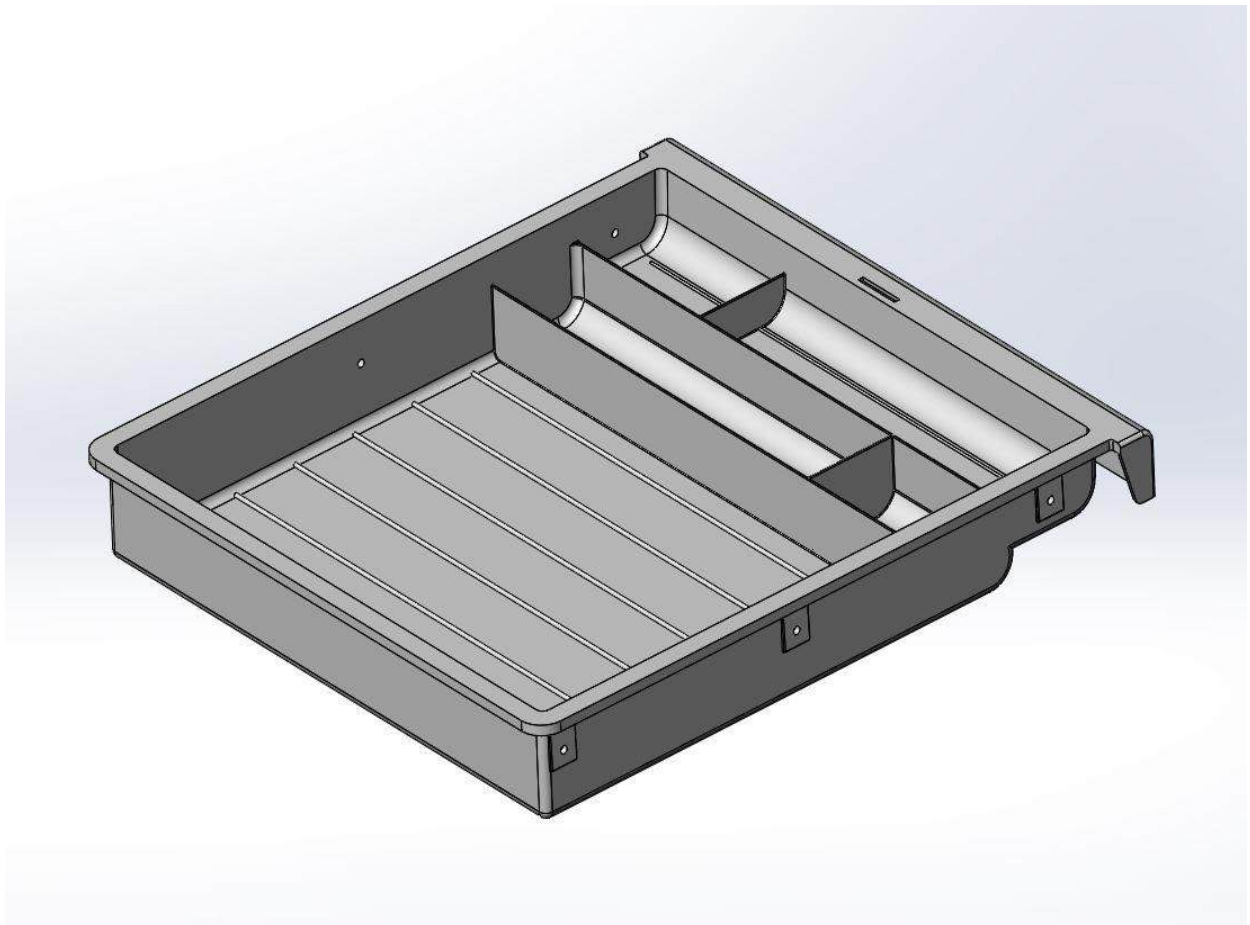


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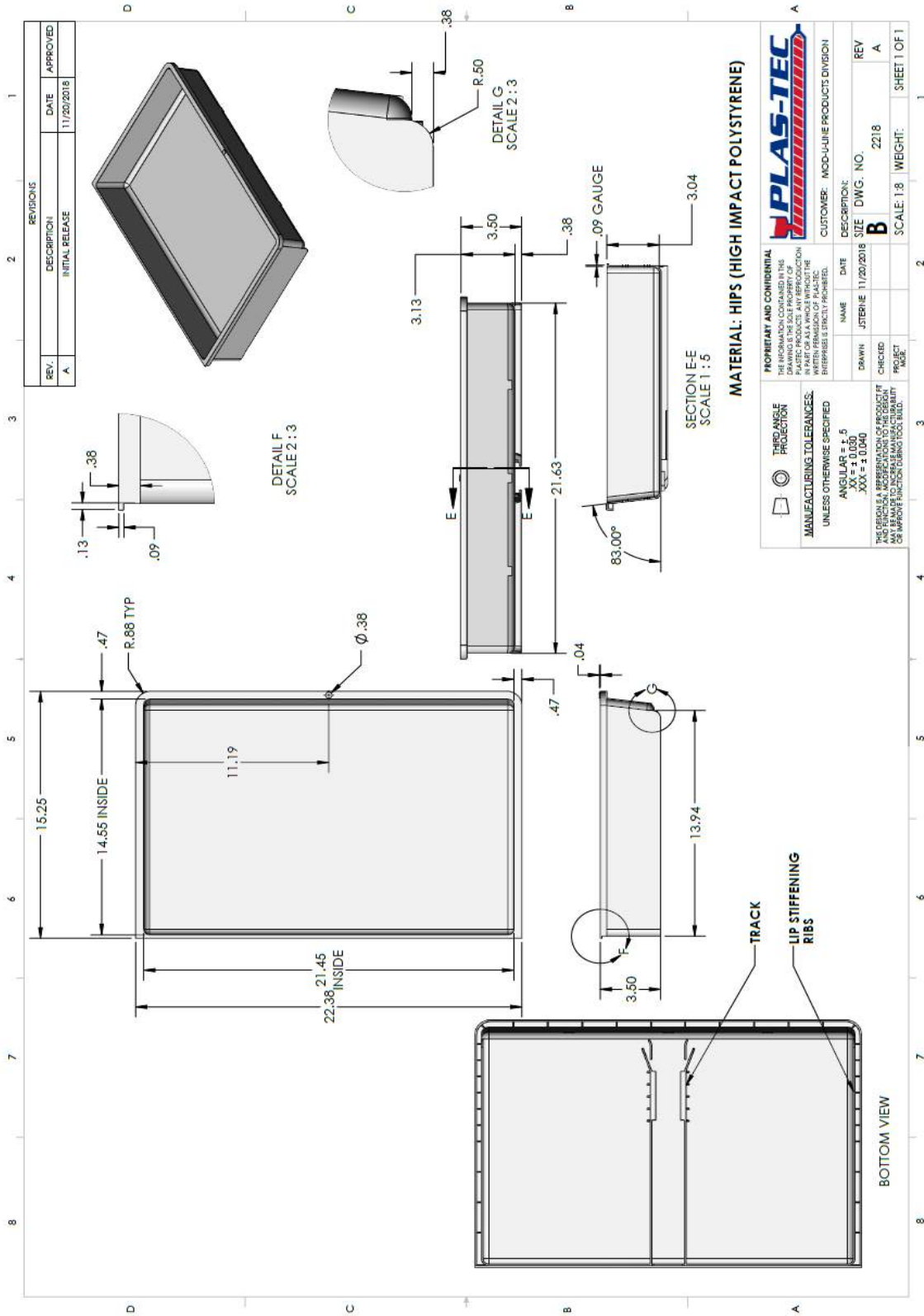


MOD – U – LINE SHELVES

See PDF's on following pages

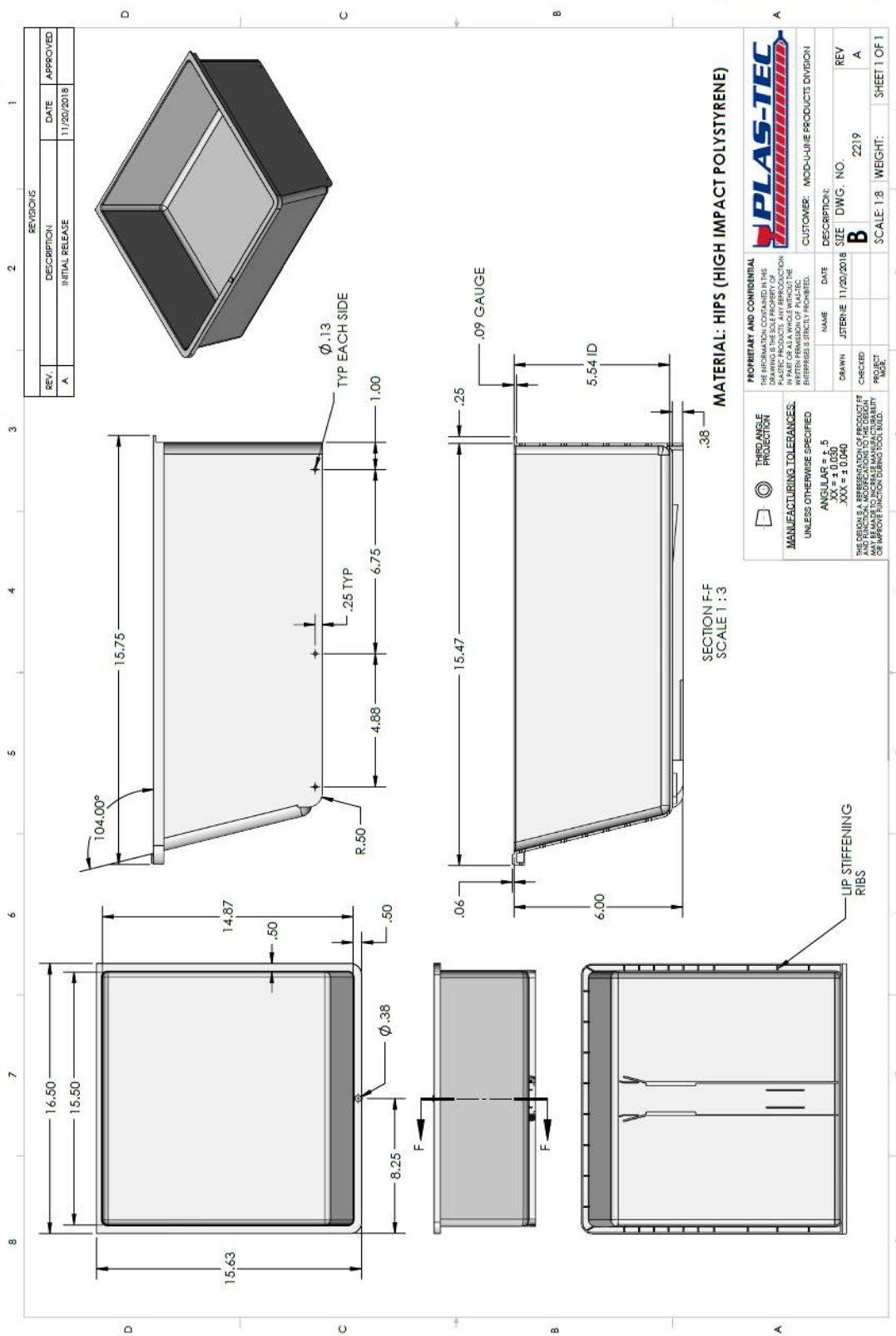


NAME	DIM. OD	DIM. ID
2217	6.06 X 15.63 X 22.50	5.60 X 14.93 X 21.57
2218	3.50 X 15.25 X 22.38	3.04 X 14.55 X 21.45
2219	6.06 X 15.75 X 16.50	5.54 X 14.87 X 15.50
2298	4.38 X 18.00 X 20.19	3.91 X 17.07 X 19.42
2299	6.06 X 18.00 X 20.25	5.60 X 17.07 X 19.55
3079	3.50 X 11.50 X 16.38	3.04 X 10.57 X 14.87
3627	6.00 X 15.25 X 28.38	5.54 X 14.59 X 27.45
3738	4.50 X 16.19 X 16.50	4.04 X 14.62 X 15.57
3823	1.50 X 16.50 X 22.50	1.15 X 15.10 X 21.75
3994	3.50 X 8.00 X 19.00	3.04 X 7.07 X 17.37
3995	3.50 X 13.00 X 18.13	3.04 X 12.07 X 17.37
9334	2.56 X 15.88 X 17.88	2.47 X 14.82 X 16.27



MATERIAL: HIPS (HIGH IMPACT POLYSTYRENE)

		PROPRIETARY AND CONFIDENTIAL THIS DRAWING IS THE PROPERTY OF PLAS-TEC. ANY REPRODUCTION IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF PLAS-TEC ENTERPRISES IS STRICTLY PROHIBITED.	
THIRD ANGLE PROJECTION	NAME JSTERNE	DATE 11/20/2018	DESCRIPTION MOD-ULINE PRODUCT DIVISION
MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED ANGULAR ± .5 .XX = ± 0.020 .XXX = ± 0.040	DRAWN JSTERNE	CHECKED [Blank]	SIZE B
THIS DRAWING IS A REPRESENTATION OF PRODUCT IT IS NOT TO BE USED TO INCREASE MANUFACTURABILITY OR IMPROVE FUNCTION DURING TOOL BUILD.	PROJECT [Blank]	WEIGHT 2218	SCALE 1:3
		SHEET 1 OF 1	



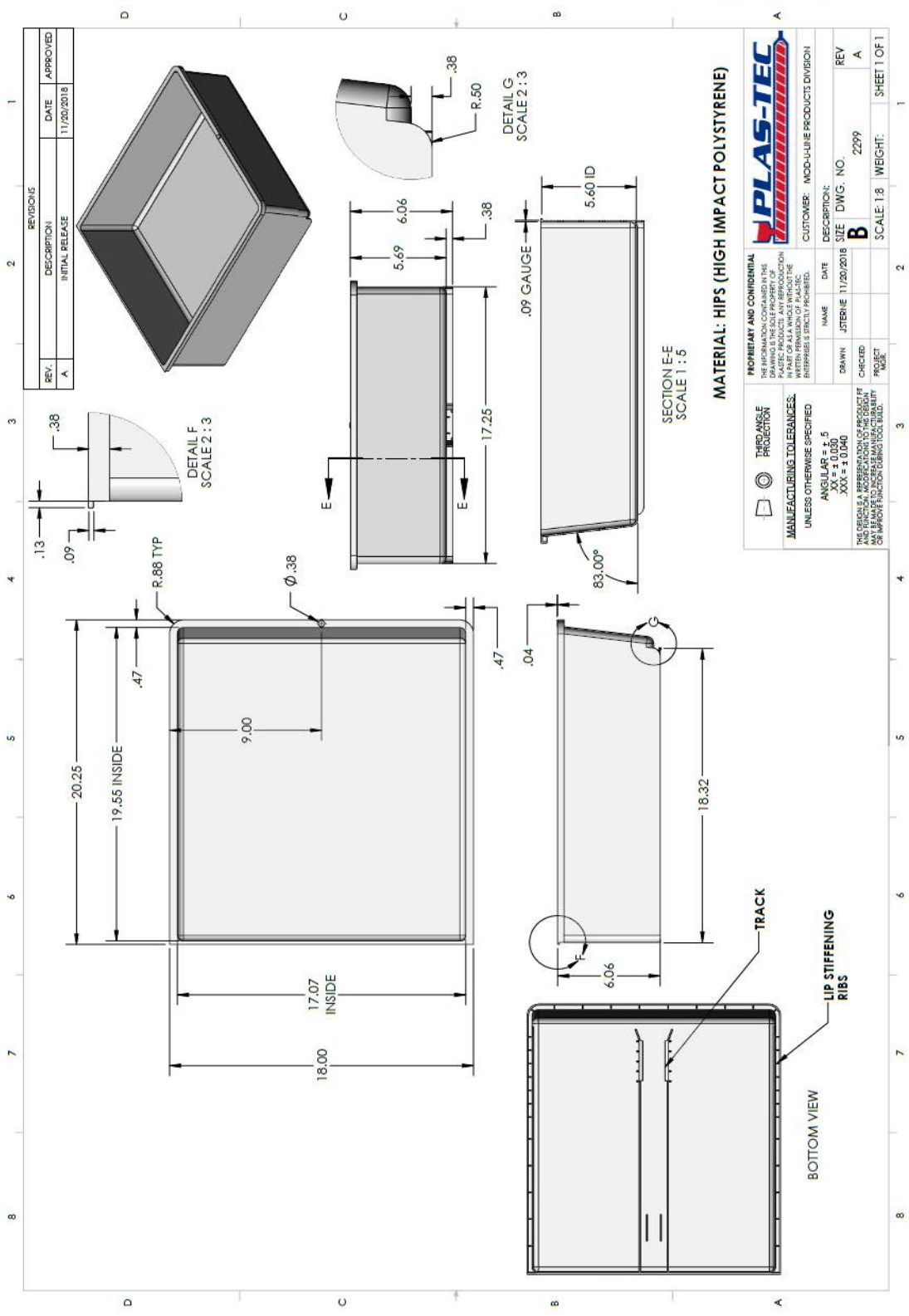
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/20/2018	

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/20/2018	

MATERIAL: HIPS (HIGH IMPACT POLYSTYRENE)

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NAME	DATE	DESCRIPTION	REV
JSTERNE	11/20/2018	SIZE T DWG. NO.	A
CHECKED		SCALE: 1:3	WEIGHT:
PROJECT			SHEET 1 OF 1

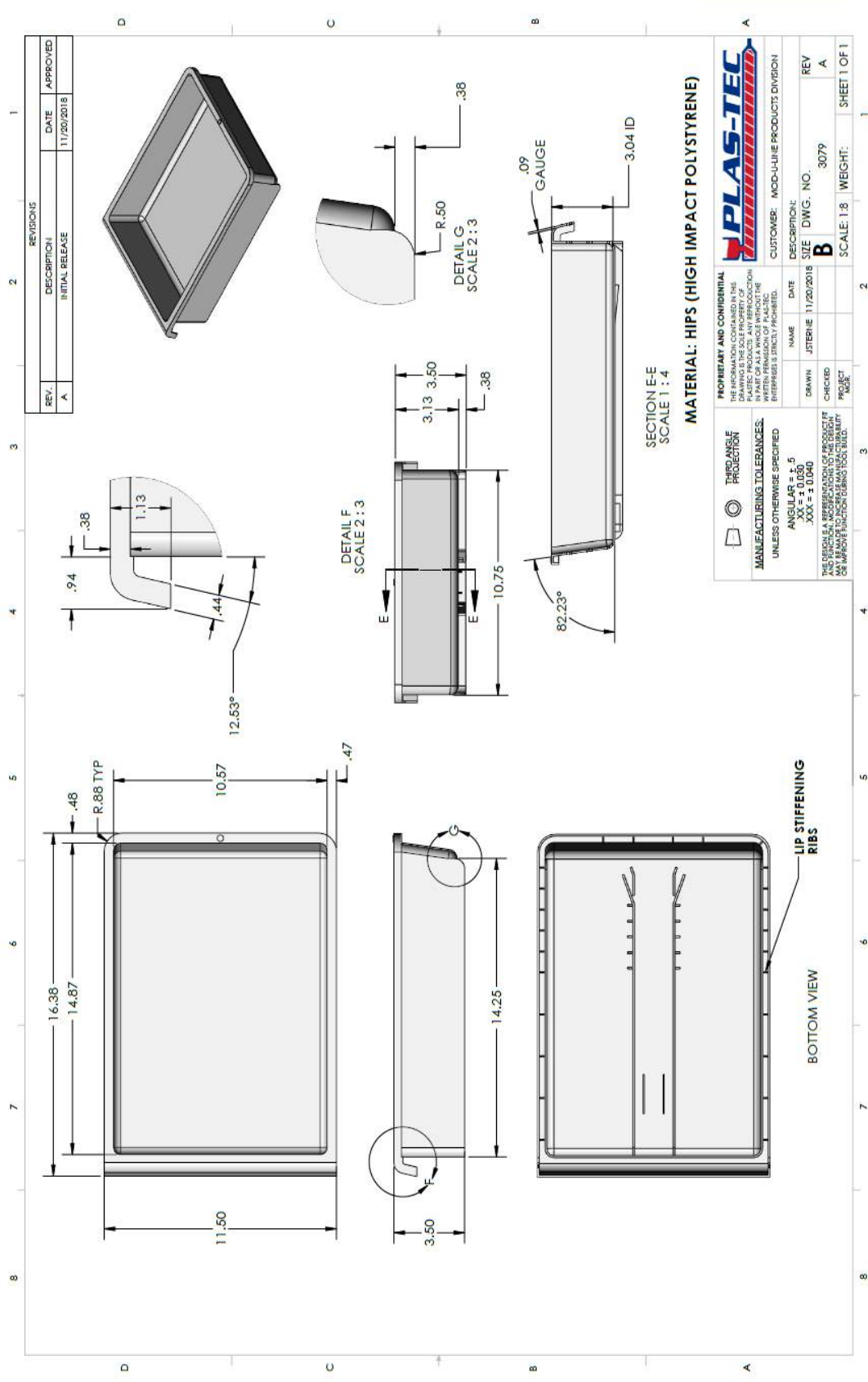
UNLESS OTHERWISE SPECIFIED:
 ANGULAR ± 0.5
 .XXX = ± 0.040
 THE GEORGE A. JOHNSON COMPANY
 AND REMAIN A REPRESENTATION OF PRODUCT FIT
 AND FINISH. APPROVED TO THE DESIGN
 OR IMPROVE FUNCTION DURING TOOL BUILD.



REVISIONS		DATE	APPROVED
REV. A	DESCRIPTION: INITIAL RELEASE	11/20/2018	

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THIRD ANGLE PROJECTION MANUFACTURING TOLERANCES: ANGULAR = ± 5 XX = ± 0.030 XXX = ± 0.040	NAME: JETERIE DATE: 11/20/2018 DRAWN: JETERIE CHECKED: [blank] PROJECT: [blank]	DESCRIPTION: MID-LINE PRODUCTS DIVISION SIZE: DWG. NO. 2299 SCALE: 1:8	REV. A SHEET 1 OF 1

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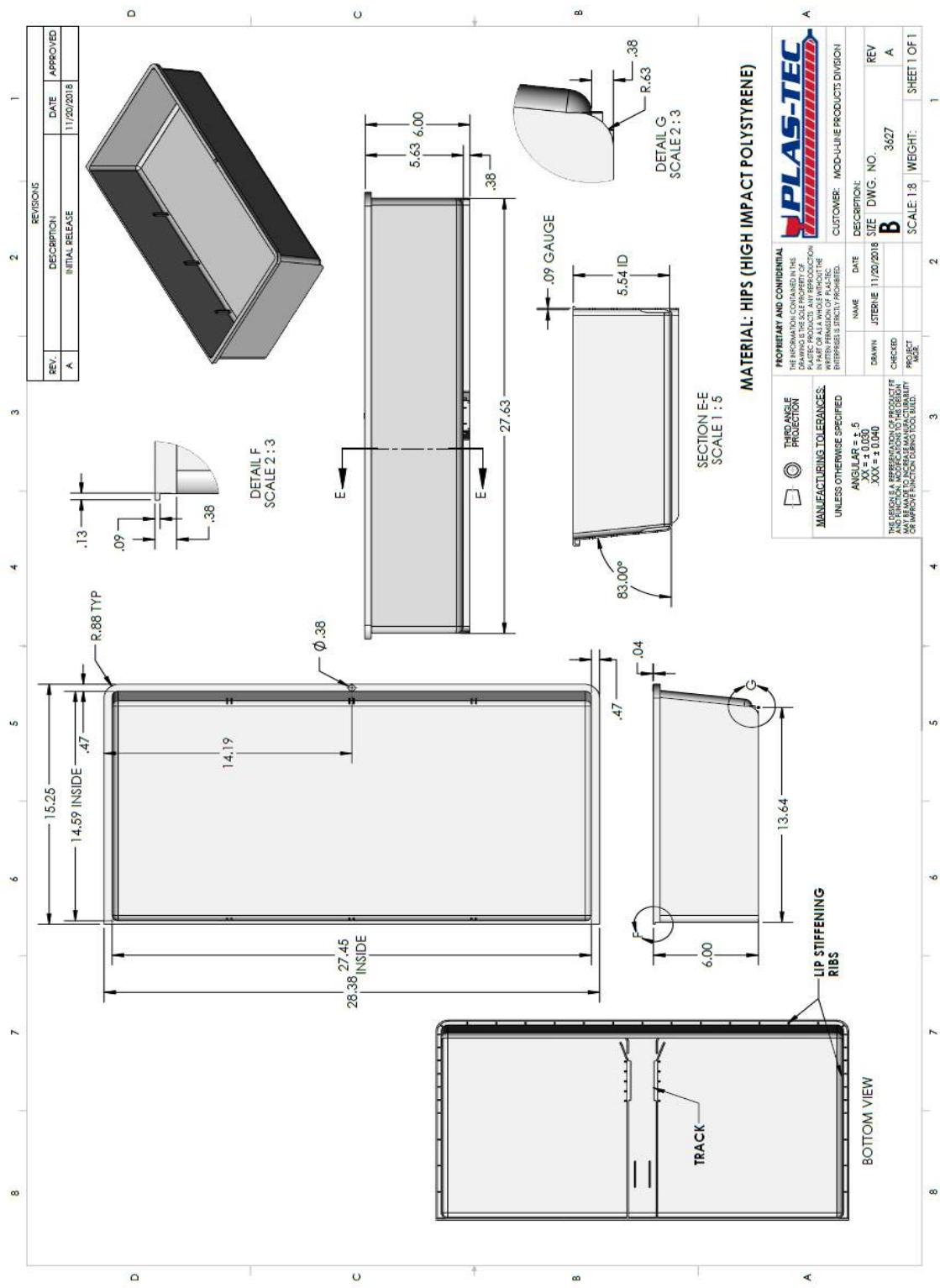


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A	INITIAL RELEASE	11/20/2018	

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MANUFACTURING TOLERANCES: ANGULAR = ± .5 .XX = ± 0.050 .XXX = ± 0.040		<small>THIS DRAWING IS A REPRESENTATION OF THE PRODUCT AS MANUFACTURED. IT MAY VARY FROM THE ORIGINAL DESIGN DUE TO MANUFACTURING TOLERANCES.</small>	
TIME-SENSITIVE PROTECTION UNLESS OTHERWISE SPECIFIED	NAME: JTBERRIE DATE: 11/20/2018 DRAWN: JTBERRIE CHECKED: [blank] PROJECT: [blank]	DESCRIPTION: MID-LINE PRODUCTS DIVISION SIZE: B DWG. NO.: 3079	REV: A SHEET 1 OF 1

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MATERIAL: HIPS (HIGH IMPACT POLYSTYRENE)

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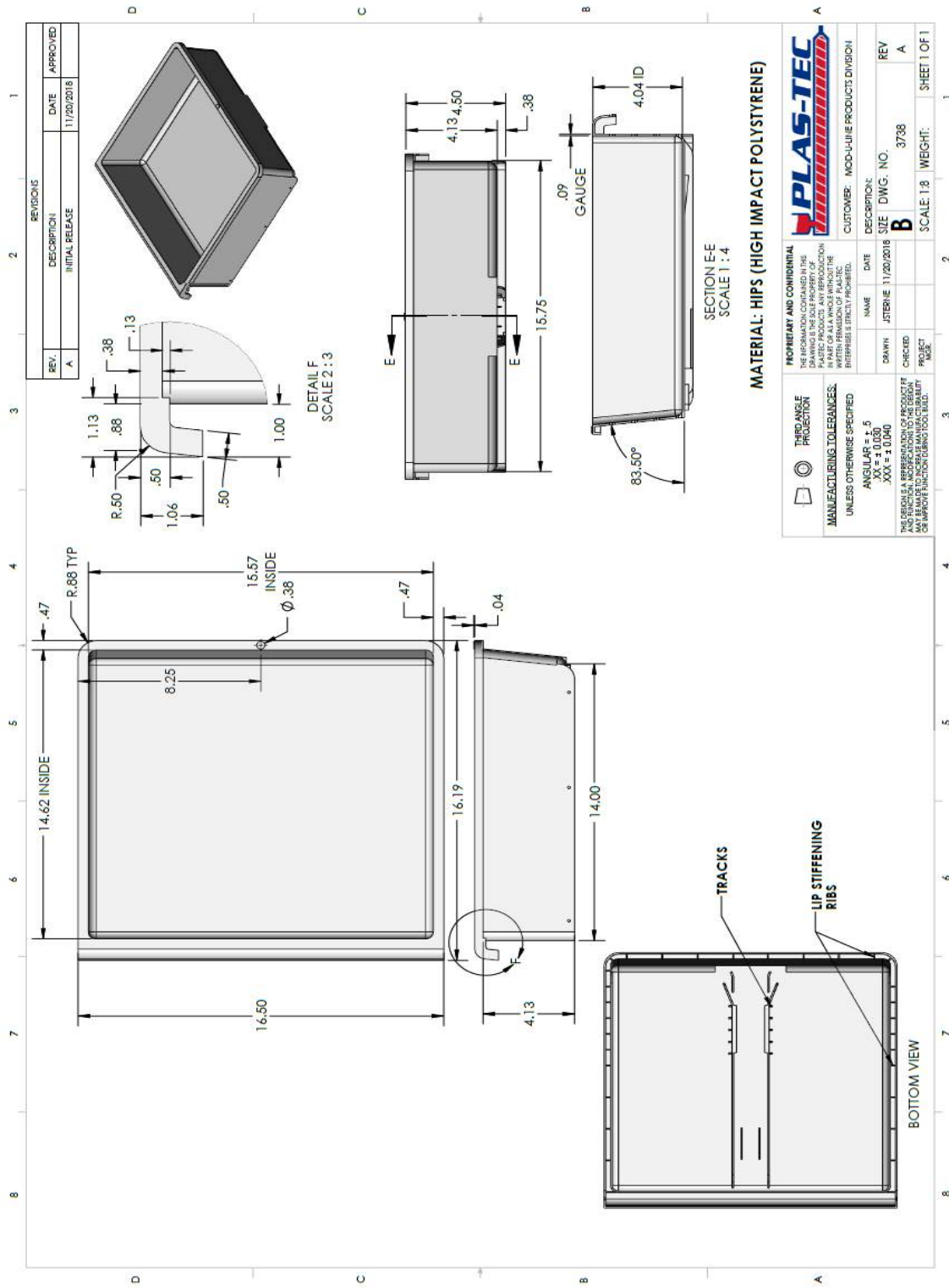
NAME	DATE	DESCRIPTION
JSTERIE	11/20/2018	MOD-LINE PRODUCTS DIVISION
DRAWN	CHECKED	SIZE DWG. NO.
		B 3627
PROJECT	SCALE	WEIGHT
	1:8	

MANUFACTURING TOLERANCES:
 UNLESS OTHERWISE SPECIFIED
 ANGULAR ± .5
 .XX ± 0.030
 .XXX ± 0.040

THE ORIGINAL REPRESENTATION OF PRODUCT OR PROJECT MAY BE MADE TO CORRECT MANUFACTURING OR IMPORT FUNCTION DURING TOOL BUILD.

REV A

SHEET 1 OF 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/20/2018	

DETAIL F
SCALE 2 : 3

SECTION E-E
SCALE 1 : 4

MATERIAL: HIPS (HIGH IMPACT POLYSTYRENE)

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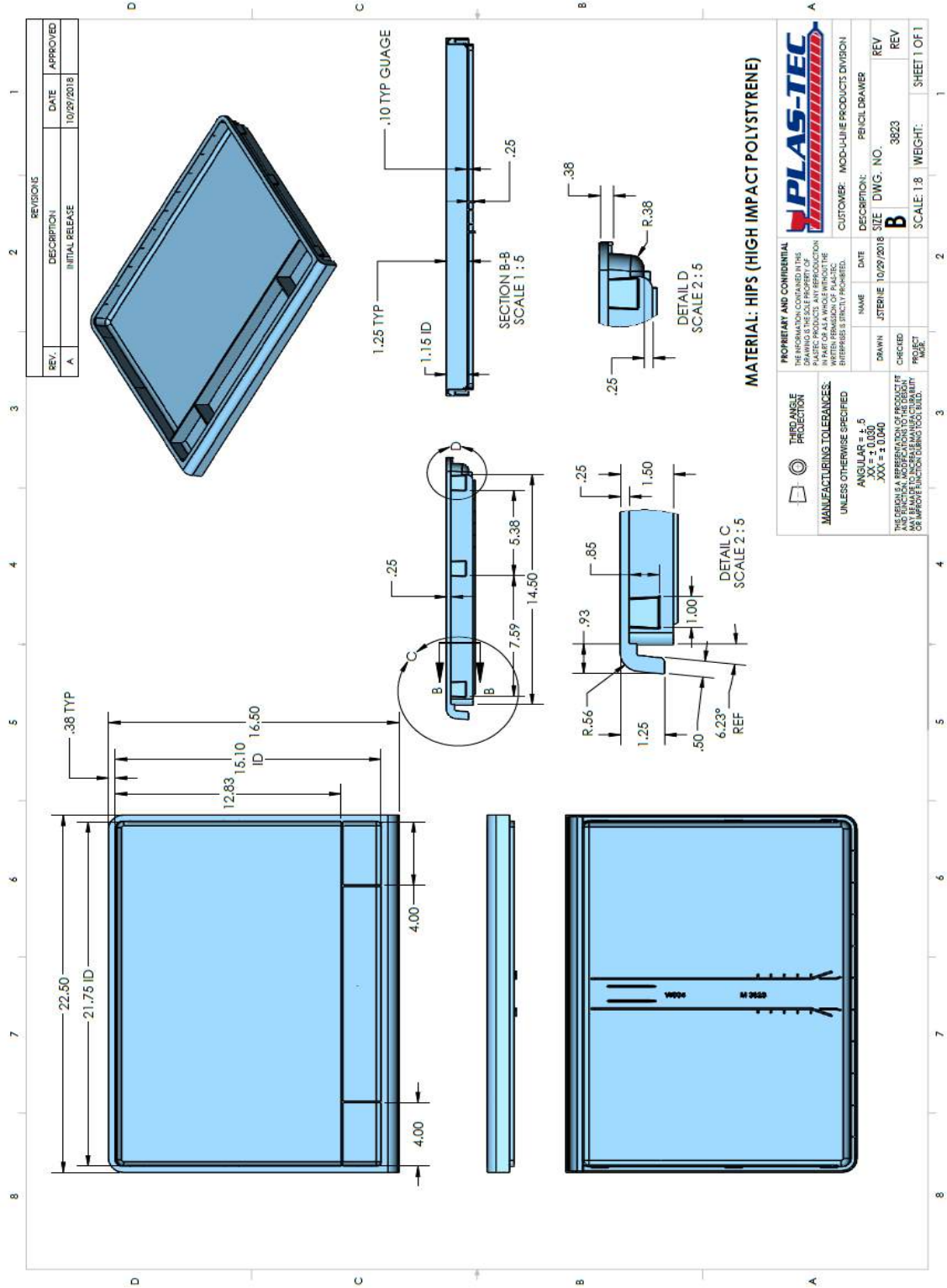
MANUFACTURING TOLERANCES:
UNLESS OTHERWISE SPECIFIED:
ANGLES = .5
XXX = ± 0.030
XXX = ± 0.040

THE DRAWING IS A REPRESENTATION OF PRODUCT FIT AND FUNCTION. MODIFICATIONS TO THE DESIGN AND FUNCTION ARE THE RESPONSIBILITY OF THE CUSTOMER OR IMPROVE FUNCTION DESIGN TOOL BUILD.

NAME	DATE	DESCRIPTION	REV
JSTERNE	11/20/2018	MOD-LIUIE PRODUCTS DIVISION	A
CHECKED		SIZE	DWG. NO.
PRODUCT		B	3738

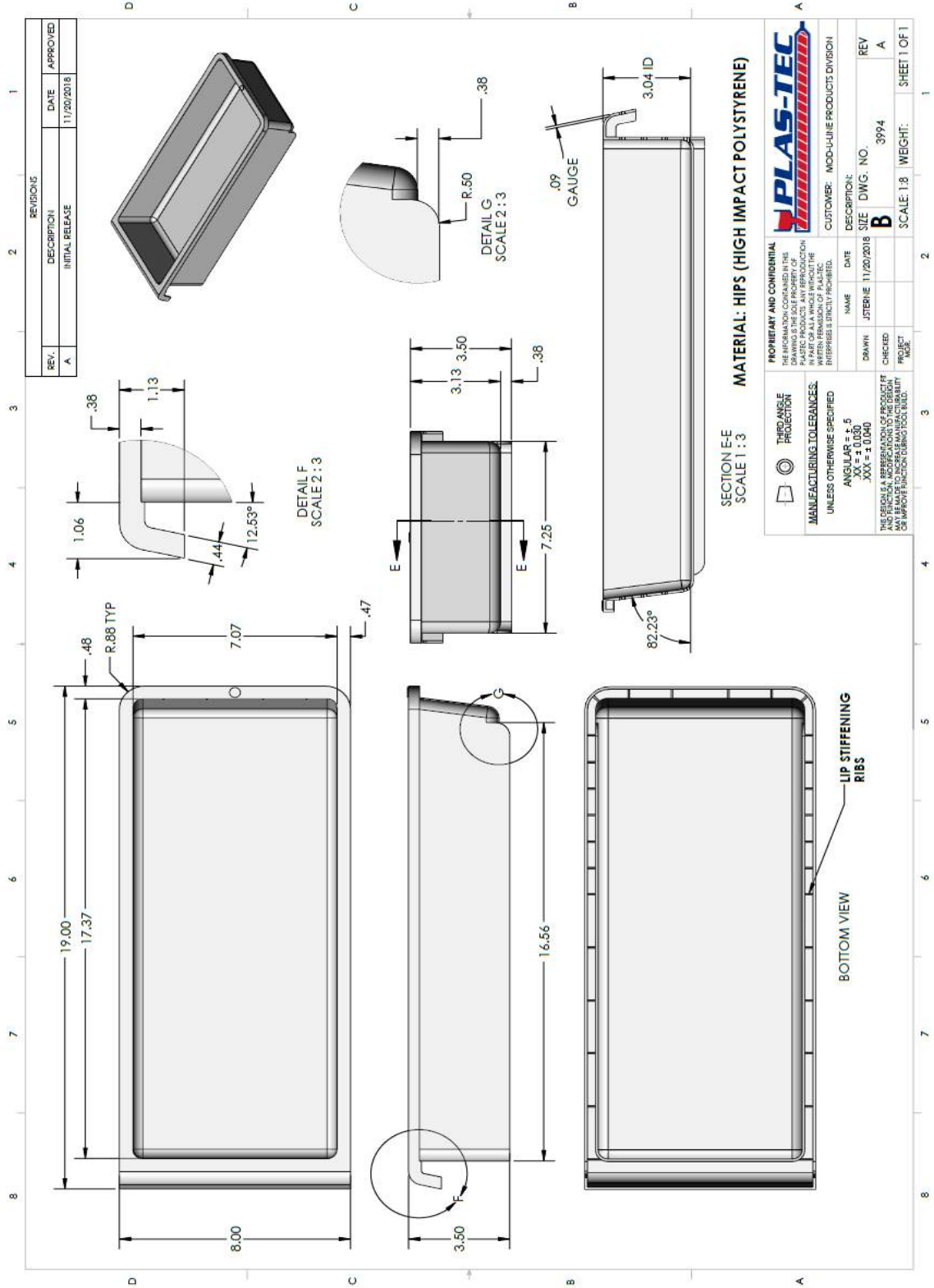
SCALE: 1:8 WEIGHT: SHEET 1 OF 1

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REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/29/2018	

		CUSTOMER: MOD-U-LINE PRODUCTS DIVISION	
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UNLESS OTHERWISE SPECIFIED: ANGULAR = ±.5 CHAMFER = 1:1 DECIMAL TOLERANCES: XXX = ±.0040	CHECKED:	SCALE: 1:8 WEIGHT:	SHEET 1 OF 1
THE OFFICIAL APPROVED TO THE DESIGN AND PRODUCTION OF THIS DRAWING IS THE PROPERTY OF PLAS-TEC, INC. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY PLAS-TEC, INC.	PROJECT:	SCALE: 1:8 WEIGHT:	SHEET 1 OF 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/20/2018	

SECTION E-E
SCALE 1 : 3
MATERIAL: HIPS (HIGH IMPACT POLYSTYRENE)

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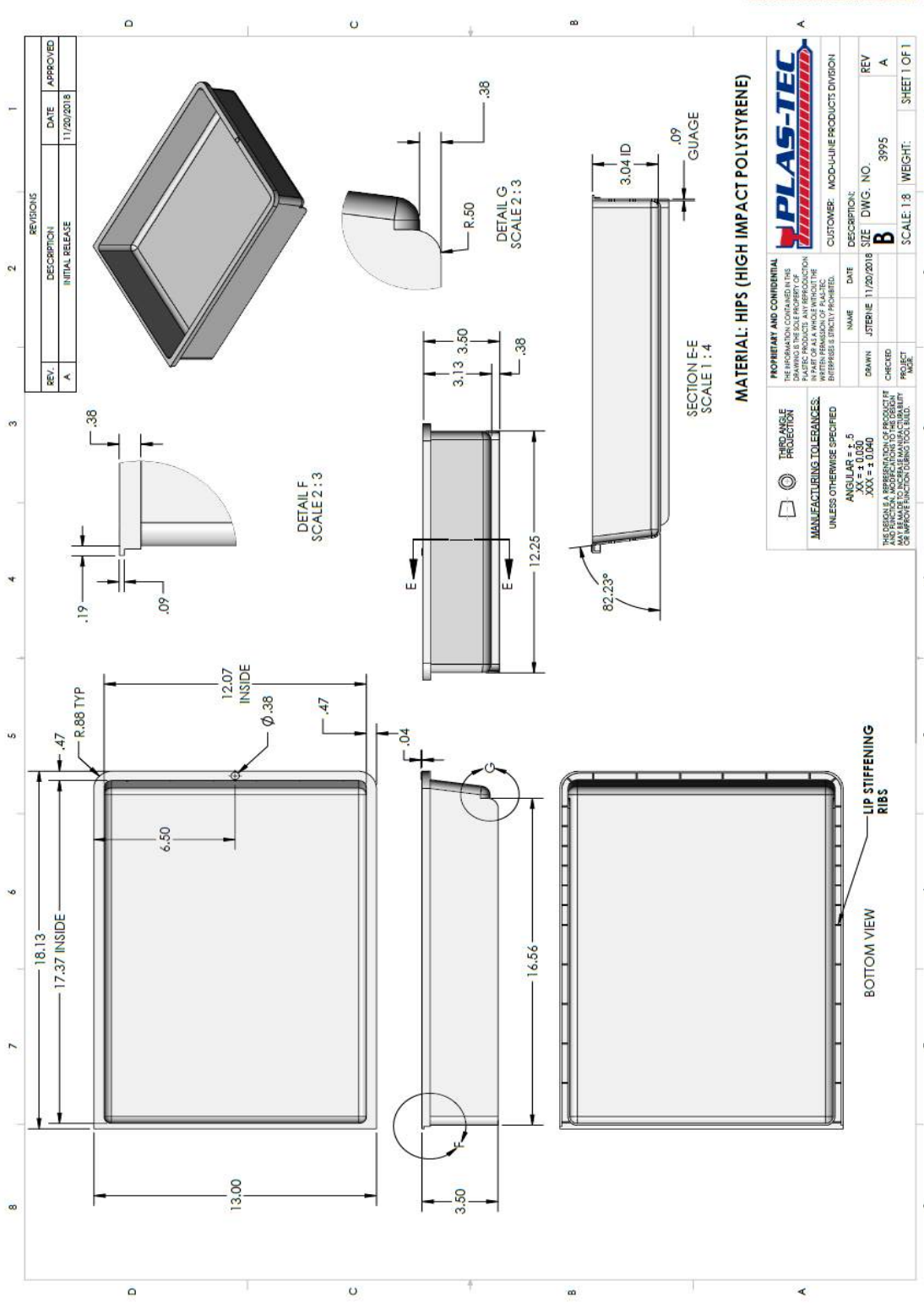
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 MANUFACTURING TOLERANCES:
 ANGULAR = ± .5
 XX = ± 0.030
 XXX = ± 0.040

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NAME	DATE	DESCRIPTION	CUSTOMER
JITERIE	11/20/2018	SIZE DWG. NO.	MOD-LULINE PRODUCTS DIVISION
DRAWN		3994	
CHECKED		B	
PROJECT			
NO.			
SCALE	1:8	WEIGHT:	
SHEET	1 OF 1		

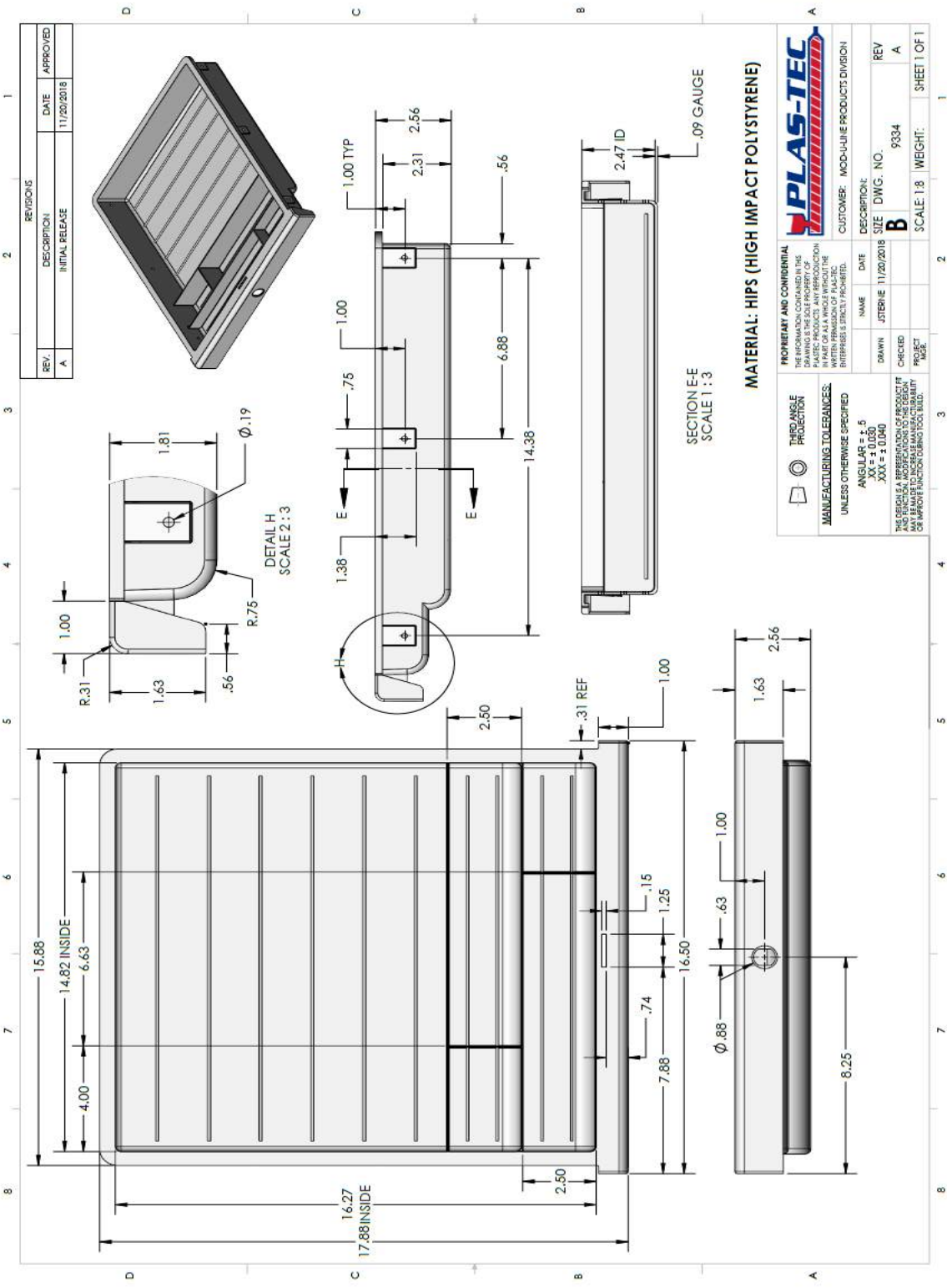
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/20/2018	

		CUSTOMER: MOD-U-LINE PRODUCTS DIVISION	
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MANUFACTURING TOLERANCES: UNLESS OTHERWISE SPECIFIED: ANGULARS = .5 .XX = ±0.020 .XXX = ±0.040		NAME: JSTERNE	DATE: 11/20/2018
THIS DRAWING IS A REPRESENTATION OF PRODUCT ITF AND IS SUBJECT TO CHANGE WITHOUT NOTICE. IT IS THE BUYER'S RESPONSIBILITY TO VERIFY DIMENSIONS AND MATERIALS FOR IMPROVE FUNCTION DESIGN TOOL BUILD.		DRAWN:	CHECKED:
		SIZE: B	DWG. NO.: 3995
		SCALE: 1:8	WEIGHT:
		SHEET 1 OF 1	

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MATERIAL: HIPS (HIGH IMPACT POLYSTYRENE)

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UNLESS OTHERWISE SPECIFIED:
 ANGULAR ± .5
 HOLE ± .010
 XXX ± 0.040

THIS SPECIFIC REPRESENTATION OF PRODUCT AND PHYSICAL DIMENSIONS TO THE DESIGN OR IMPROVE FUNCTION DESIGN TOOL BUILD.

NAME: JSTERNE DATE: 11/20/2018
 DESCRIPTION: MOD-U-LINE PRODUCTS DIVISION
 SIZE: 9334 DWG. NO.: 9334
 DRAWN: JSTERNE
 CHECKED: PROJECT #
 REVISION: B
 SCALE: 1:8 WEIGHT: SHEET 1 OF 1



R & R TECHNOLOGIES L.L.C.

Standard Material Handling Products

MHA PHONE: 247-770-4287

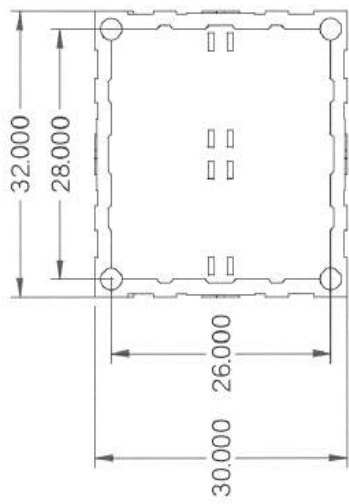
Standards Index

Part Number	Description
Containers	
M-9243-20	30 x 32 x 15.75
M-8577-30	30 x 32 x 19.0
M-9011-50	45 x 32 x 19.0
M-8730-58	45 x 32 x 24.375
M-9185	48 x 48 x 32
M-8827	48 x 54 x 24
M-9048	48 x 68 x 25
Pallets / Covers	
M-8571 / M-8844	30 x 32 Pallet/Cover
M-9213 / M-9214	30 x 32 Fastener Pallet/Cover/Belts
M-8981 / M-9012	32 x 36 Pallet/Cover
M-9081-01	44 x 54 Pallet without Lip
M-9081-02	44 x 54 Pallet with Lip
M-9246 / M-9247	45 x 48 Pallet/Cover
M-9053	48 x 54 Pallet

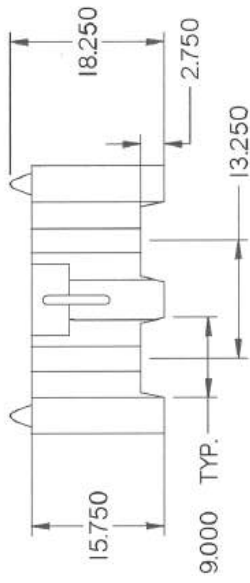
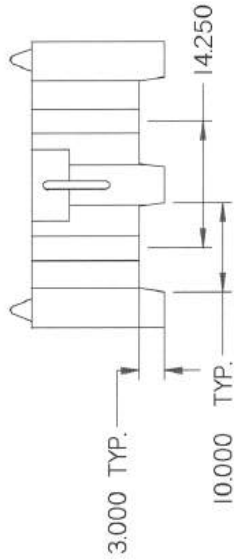
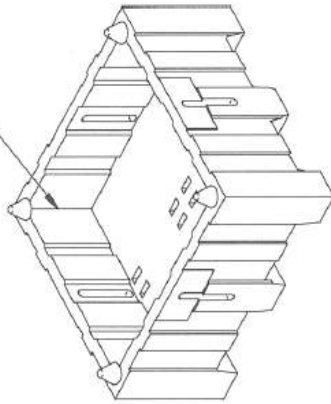
M-9243-20 CONTAINER




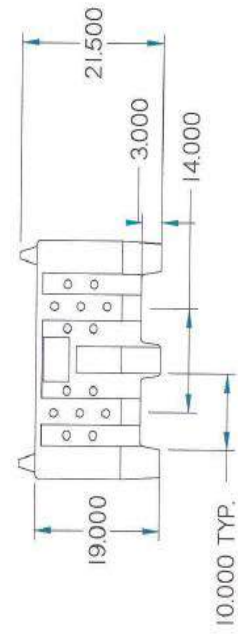
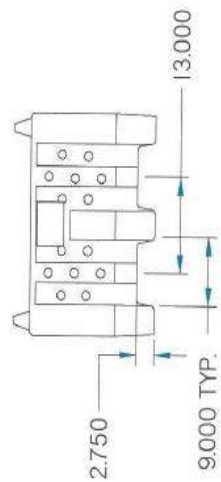
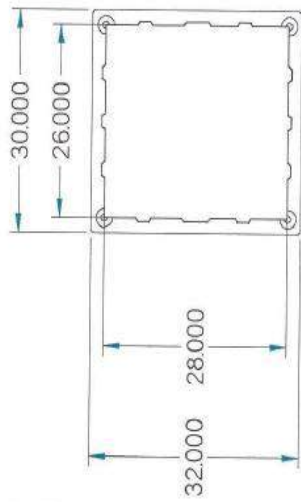
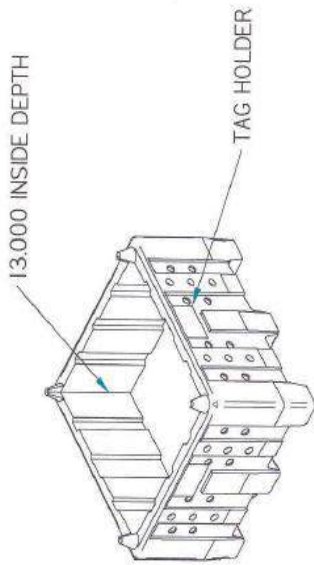
30 x 32 x 15.75




9.75 INSIDE DEPTH



NOTES	MATERIAL	LLDPE	 R & R TECHNOLOGIES LLC. Releasee Part 7500 S. Main Road Fairbury, IN 46124 81/21 526-2655	PART NO.	M-9243-20	SHEET	1 OF 1
	2000 LB. CAPACITY	WEIGHT					
COLOR	CUSTOM	NAME	32 X 30 X 15.75 BULK CONTAINER				

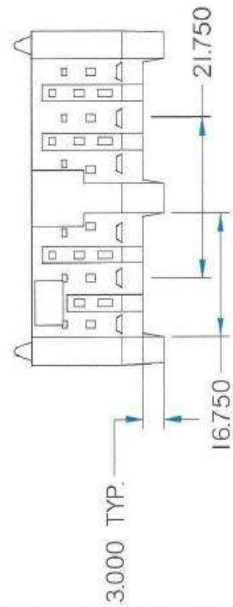
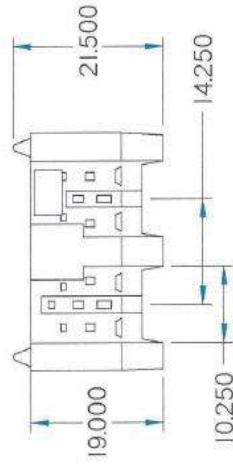
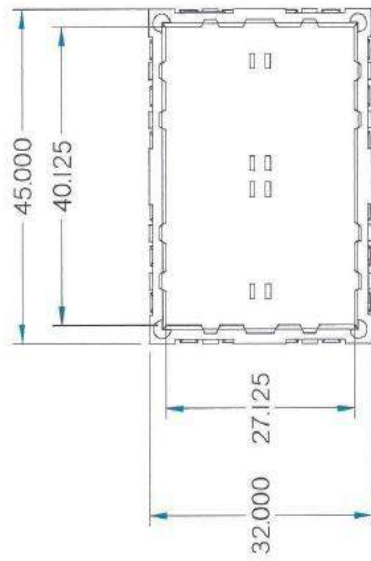
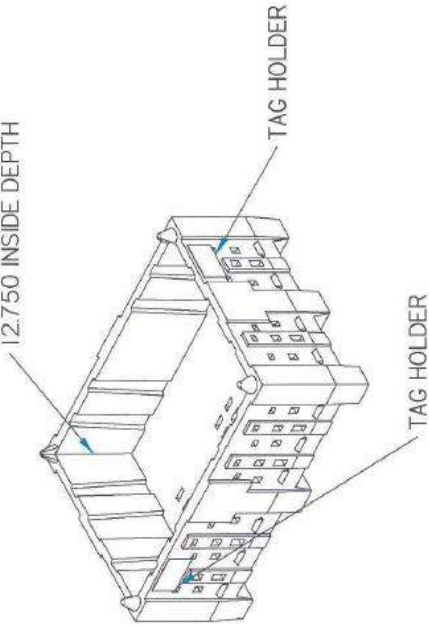


NOTES	MATERIAL	LLDPE	 R & R TECHNOLOGIES LLC. Rollcast Plant 7580 County Line Road Houston, TX 77024 (818) 526-2655	PART NO.	M-6577-30	SHEET	1 OF 1
	2500 LB. CAPACITY	WEIGHT					
COLOR	CUSTOM	NAME	30 X 32 X 19.0 BULK CONTAINER				

M-9011-50 CONTAINER



45 x 32 x 19

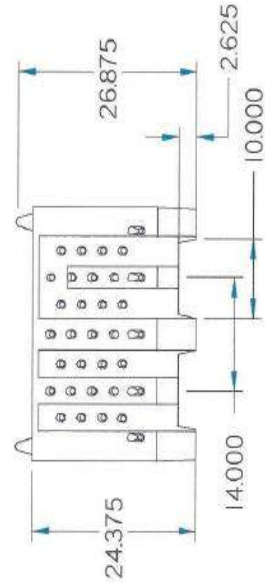
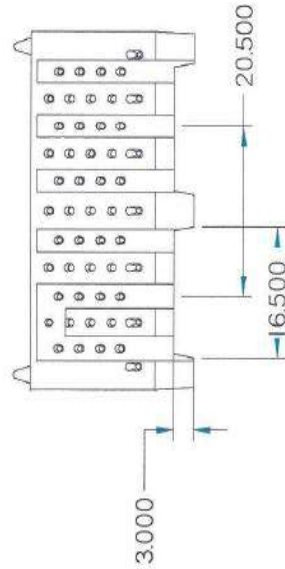
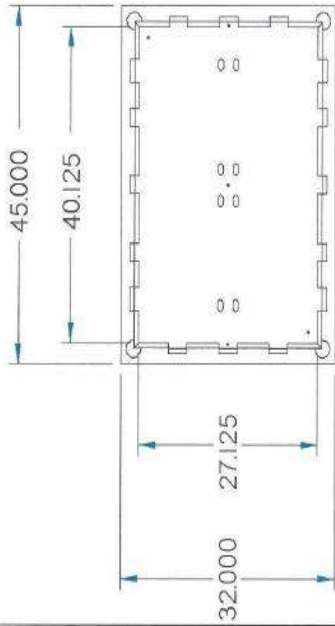
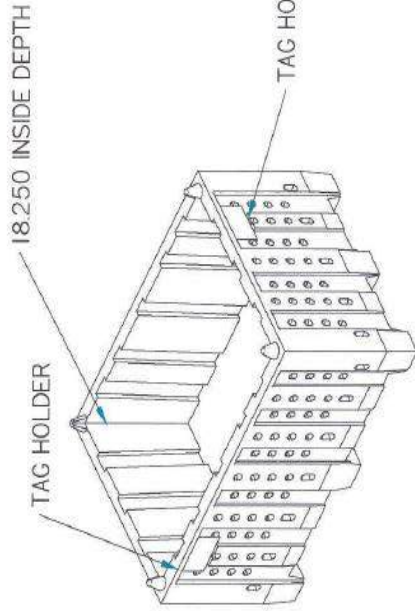



NOTES:	MATERIAL	LLDPE.	R & R TECHNOLOGIES LLC. <small>Industrial Park 7550 County Line Road Houston, TX 77054 (813) 536-2055</small>	PART NO.	M-9011-50	SHEET	1 OF 1
	2500 LB. CAPACITY	WEIGHT					
	COLOR	CUSTOM	NAME	32 X 45 X 19.0 BULK CONTAINER			

M-8730-58 CONTAINER



45 x 32 x 24.375



NOTES	MATERIAL	LLDPE		 R & R TECHNOLOGIES LLC. Rotocast Plant 7560 County Line Road Edinburg, TX 78542 (951) 326-2656	PART NO.	M-8730-58	SHEET	1 OF 1
	2500 LB. CAPACITY	WEIGHT	71 LBS.					
COLOR	CUSTOM	NAME		32 X 45 X 24.375 BULK CONTAINER				