

OVERALL ASSEMBLY

NOTES:

1. MINIMUM BENDING RADIUS FOR 72/21 PT-PLUS FLAT DUCT IS 5 ft ABOUT WEAK AXIS OF DUCT.

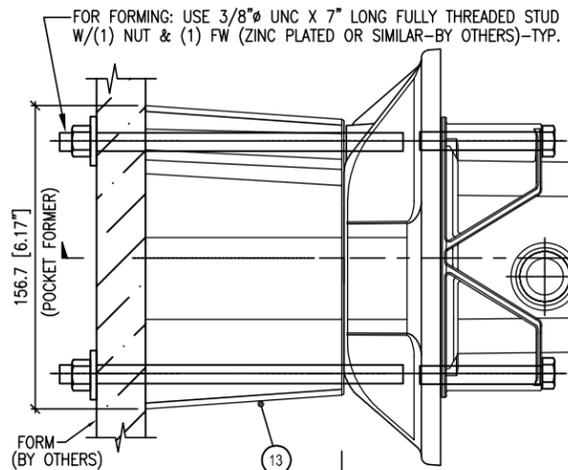
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VSLAB 6-4 SYSTEM		1580 Trinity Blvd Ste 118 Fl. Worth, TX 76155		Phone: (817) 545-4807 Fax: (817) 545-4827		Dallas, TX office		Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL / Atlanta, GA	
OVERALL ASSEMBLY WITH 72/21 FLAT DUCT		VSL		SYSTEMS DRAWING		NO.		DATE	
SCALE: NONE		JOB NO:		ISSUED FOR		BY		CHK	
SHEET: A241				1		1/17/11		RELEASED FOR CONSTRUCTION	
				2		1/5/12		MINOR EDIT TO NOTES / VENT CONNECTION	

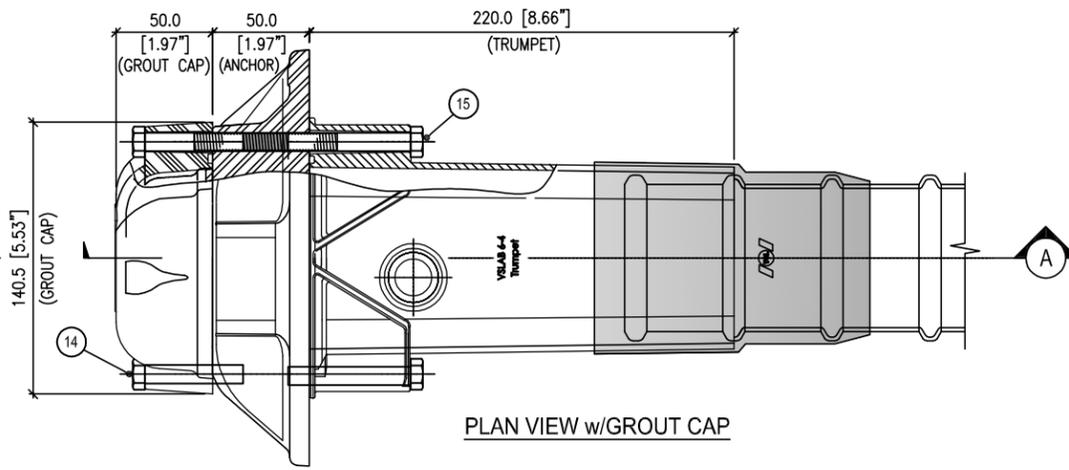
INSTALLATION:

- LAY OUT FLAT DUCT IN THE REBAR CAGE ACCORDING TO THE PLANS.
- TRIM DUCT TO THE CORRECT LENGTH AND PREPARE ANY REQUIRED GROUT VENTS (SEE DRW# A284) OR DUCT SPLICES (SEE DRW# A283), IF APPLICABLE.
- ATTACH TRUMPETS TO EACH END OF THE DUCT USING HEAT SHRINK.
- (OPTIONAL, REQUIRED BY FDOT EVERY 50TH TENDON) IF AN AIR PRESSURE TEST IS REQUIRED BY SPECIFICATION, BOLT THE ANCHORAGES TO THE TRUMPETS AND THE GROUT CAPS TO THE ANCHORAGES TO PROVIDE AN AIR-TIGHT SEAL. PLUG ALL OPEN PORTS WITH APPROPRIATE GROUTING COMPONENTS. IN THIS CONFIGURATION DO NOT PRESSURIZE DUCT BEYOND 10 PSI MAXIMUM. AFTER TESTING, REMOVE GROUT CAPS AND ANCHORAGES.
- FIX ANCHORAGES TO FORMWORK USING BLOCKOUTS OR POCKET FORMERS SUITABLE FOR THE JOB (BY OTHERS).
- INSERT REQUIRED NUMBER PT STRANDS THROUGH THE DUCT AND TRUMPET ASSEMBLY. AT EACH END OF THE TENDON, PLACE THE STRANDS THROUGH THE APPROPRIATE WEDGE CAVITIES AND BOLT THE TRUMPET TO THE BACK OF THE ANCHORAGE.

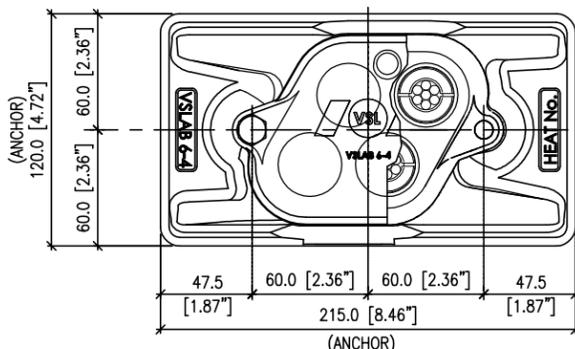
- ENSURE DUCT IS TIED OFF EVERY 12 INCHES.
- PROCEED WITH CONCRETING.
- STRIP FORM AND POCKET FORMERS, IF APPLICABLE.
- PROVE DUCTS ARE FREE AND CLEAR BY MOVING THE GROUP OF STRANDS BACK AND FORTH WITHIN THE DUCT, ONE FOOT IN EACH DIRECTION.
- STRESS STRANDS AND TRIM STRAND TAILS 1.5" MAXIMUM LENGTH.
- INSTALL GROUT CAPS.
- (OPTIONAL, REQUIRED BY FDOT EVERY TENDON) PROCEED WITH TENDON PRESSURE TEST AS REQUIRED BY SPECIFICATIONS, IF APPLICABLE. IN THIS CONFIGURATION DO NOT PRESSURIZE TENDON BEYOND 75 PSI MAXIMUM.
- PROCEED WITH GROUTING OPERATIONS. (SEE DETAIL 1 AND DETAIL 3, THIS SHEET.)



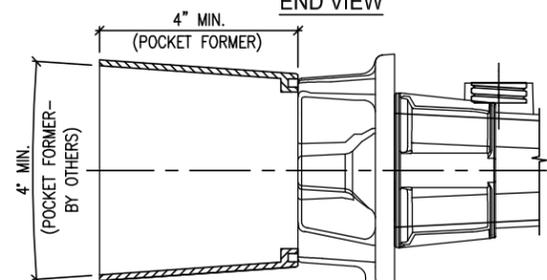
PLAN VIEW w/POCKET FORMER



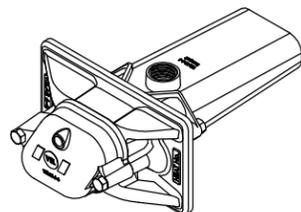
PLAN VIEW w/GROUT CAP



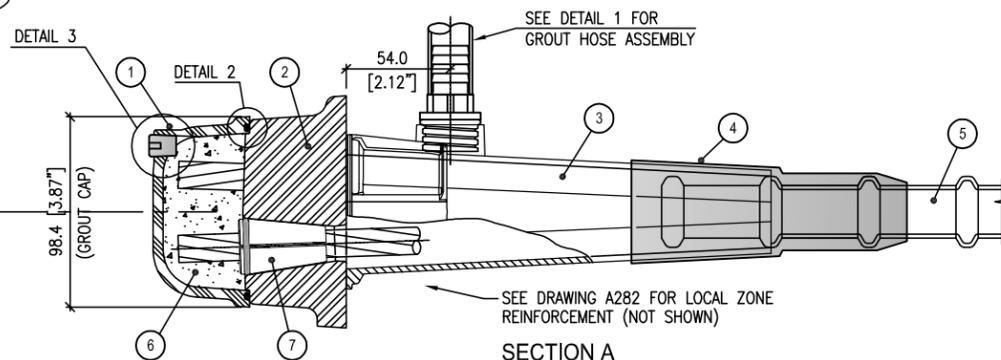
END VIEW



SECTION B



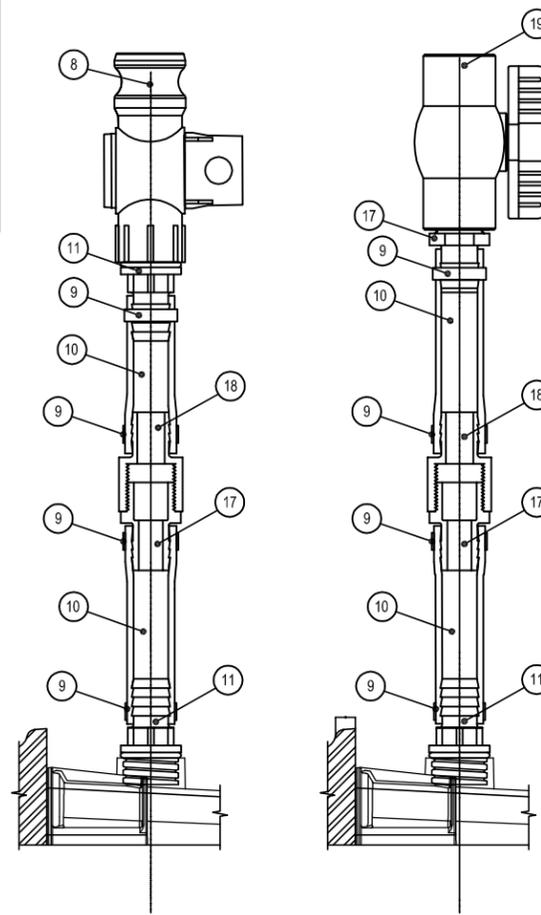
GROUT CAP/ANCHOR/TRUMPET



SECTION A

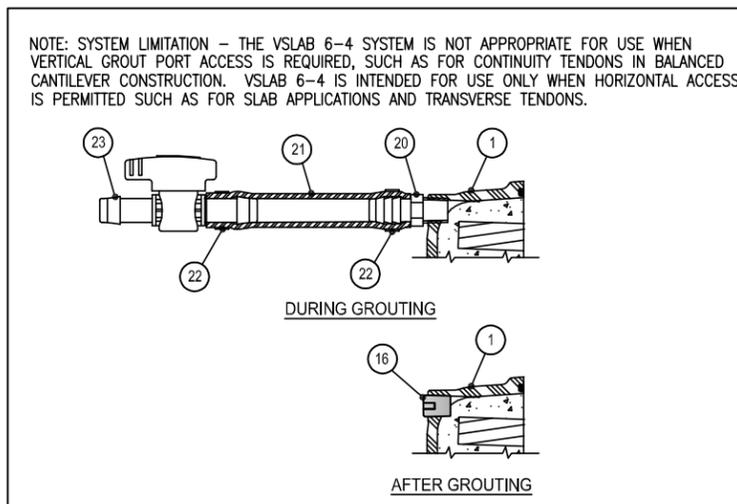
ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY No.
23	1	1/2" GROUT VALVE	POLYPROPYLENE BLACK	2DT01914
22	2	ONE EAR BAND CLAMP, 1/2" GROUT HOSE	316 STAINLESS STEEL	2DT01904
21	A/R	1/2" ID SMOOTH GROUT HOSE	POLYETHYLENE BLACK	2DT01920
20	1	1/2" HOSE BARB TO 1/4" MPT FITTING	POLYPROPYLENE BLACK	2DT01917
19	1	OPT. 3/4" PVC GROUT VALVE	(BY OTHERS)	-
18	1	3/4" HOSE BARB TO 3/4" FPT FITTING	POLYPROPYLENE BLACK	2DT01911
17	1	3/4" HOSE BARB TO 3/4" MPT FITTING	POLYPROPYLENE BLACK	2DT01909
16	1	1/4" NPT PLUG FITTING	POLYPROPYLENE BLACK	2DT01919
15	2	3/8" UNC X 2.5" LONG HEX BOLT	ZINC PLATED	2VS06408
14	2	3/8" UNC X 2" LONG HEX BOLT	316 STAINLESS STEEL	2VS06407
13	1	VSLAB 6-4 POCKET FORMER	(BY OTHERS, JOB SPECIFIC)	-
12	1	GROUT CAP QUAD-RING (-241)	BUNA-70 DURO (NITRILE RUBBER)	W/ GROUT CAP
11	2	3/4" HOSE BARB TO 23mm FITTING	POLYPROPYLENE BLACK	2DT01903
10	-	3/4" SMOOTH GROUT HOSE	POLYETHYLENE BLACK	2DT01901
9	4	ONE EAR BAND CLAMP 3/4" GROUT HOSE	316 STAINLESS STEEL	2DT01905
8	1	GROUT SHUT-OFF VALVE, 23mm	POLYSTYRENE BLACK	02DT0311
7	4	1.6G WEDGE, 0.6, 1.77" W/GROOVE	AISI 11L17	02WG0008
6	-	GROUT	JOB SPECIFIC	-
5	1	FLAT DUCT, 72/21 PT-PLUS	POLYPROPYLENE WHITE	02DT0413
4	1	HEAT SHRINK SLEEVE (6" LONG)	POLYOLEFIN(CANUSA PLA-63-150-YE)	02DT0503
3	1	VSLAB 6-4 TRUMPET	POLYPROPYLENE BLACK	2VS06405
2A	1	VSLAB 6-4 ANCHOR (NON-FDOT)	DUCTILE IRON (80-55-06) (A536)	2VS06401
2B*	1	VSLAB 6-4 ANCHOR (GALVANIZED)	DUCTILE IRON (80-55-06) GALV.	2VS06410
1	1	VSLAB 6-4 GROUT CAP	ABS 20% GLASS FIBER FILLED	2VS06402

NOTE: SEE DWG. # A282 FOR LOCAL ZONE REINFORCEMENT
* GALVANIZED ANCHOR USED FOR FDOT JOBS & WHEN REQUIRED BY SPECIFICATION.

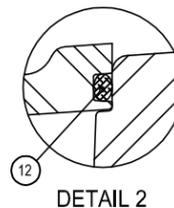


DETAIL 1-TYPICAL GROUTING ASSEMBLY

DETAIL 1-ALTERNATE GROUTING ASSEMBLY



DETAIL 3



DETAIL 2

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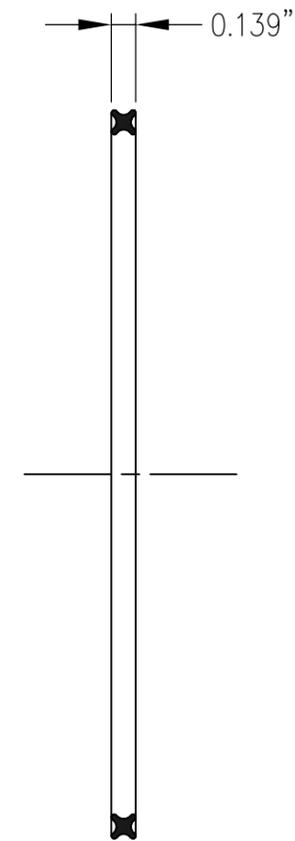
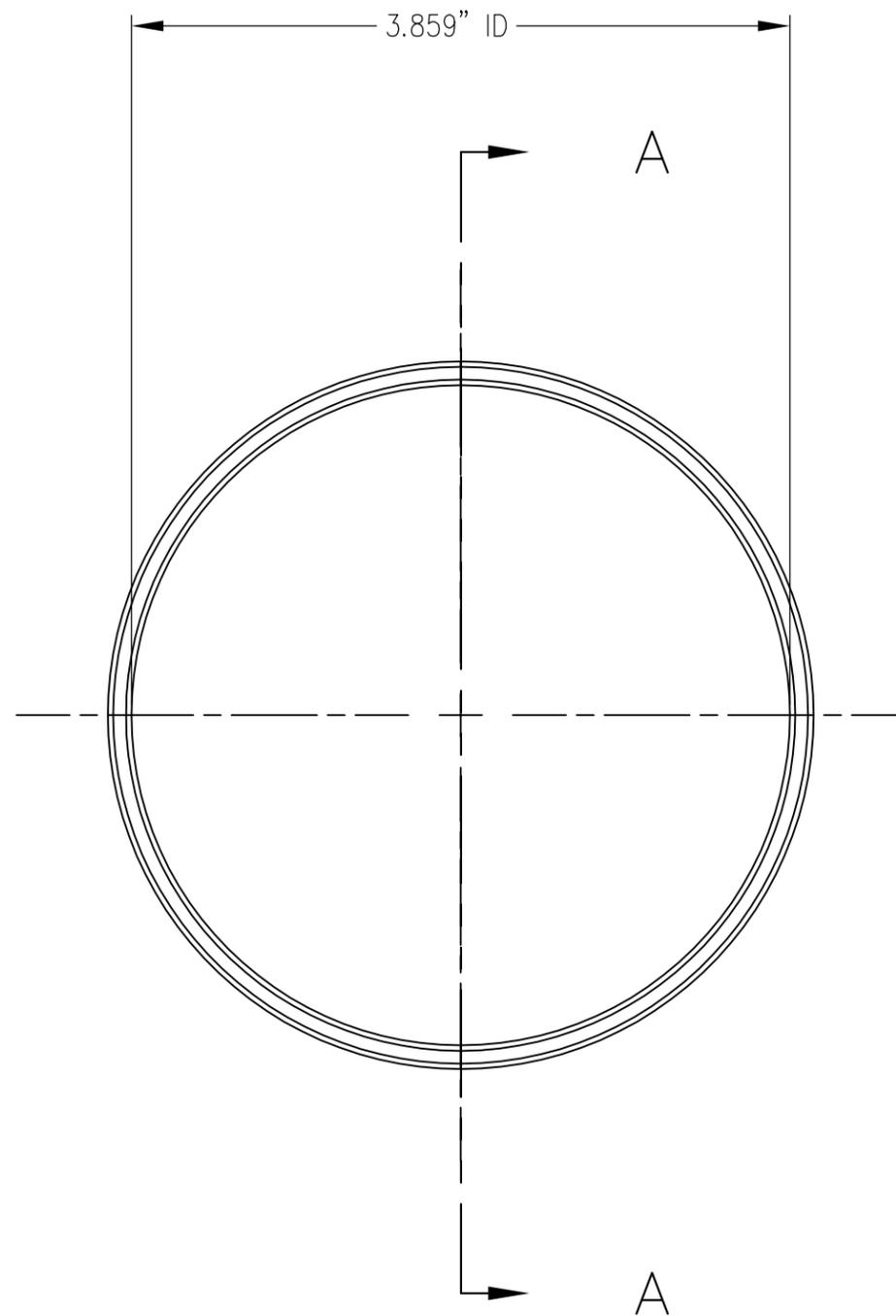
NO.	DATE	DESCRIPTION	ISSUED FOR	CHK
4	1/5/12	MINOR EDITS TO NOTATIONS		
3	3/7/11	UPDATED BOM DESCRIPTIONS		
2	2/14/11	FOR CONSTRUCTION		
1	1/17/11	RELEASED FOR CONSTRUCTION		

DD	MM	MM	MM	CHK
DTS	CY	GB	GB	BY

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VSLAB 6-4 SYSTEM ANCHORAGE ASSEMBLY WITH 72/21 FLAT DUCT	VSL SYSTEMS DRAWING
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SCALE: NONE
JOB NO:
SHEET: A281



SECTION A-A

MATERIAL: NITRILE RUBBER

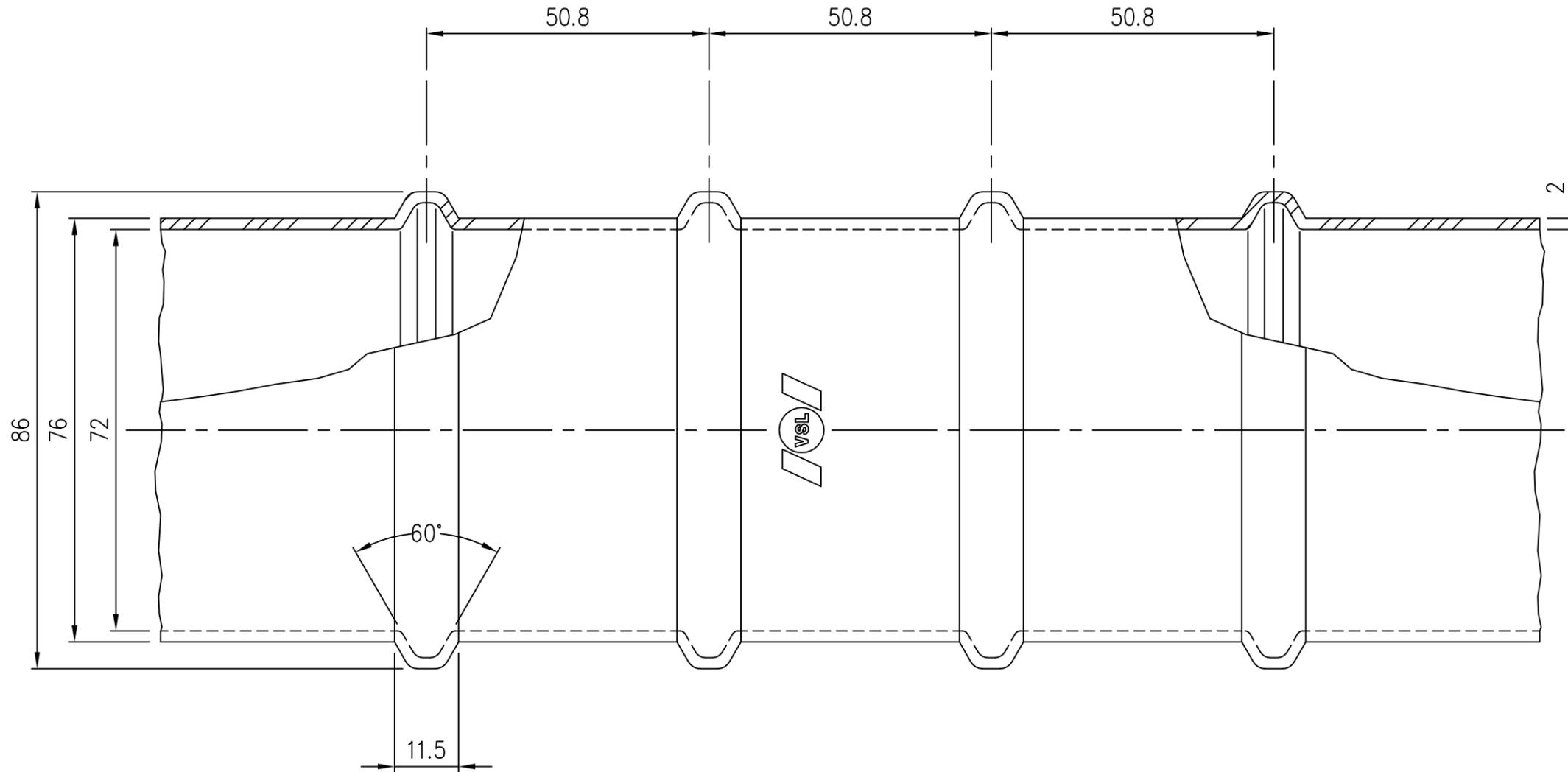
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DWG. TITLE:	QUAD-RING (-241)
PROJECT:	VSL SYSTEMS DRAWING
SCALE:	NONE
VSL JOB NO.:	
VSL DWG. NO.:	C699

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REV.	DATE	BY	CHK
1	3/11/11	GB	MM
RELEASED FOR PRODUCTION			
REVISION			



PT-PLUS FLAT DUCT 72 / 21

MATERIAL : ASTM D4101 PP0347
ARISTECH POLYPROPYLENE TI-4007-G

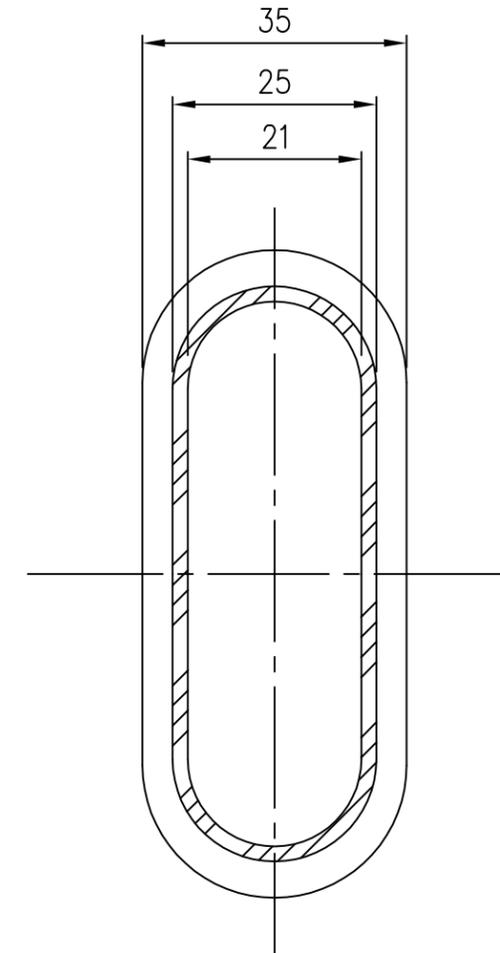
INVENTORY No. 02DT0213

NOTE: OVERALL DIMENSIONS VARY; THE AVERAGE DIMENSIONS ARE SHOWN
DIMENSIONS ARE SHOWN IN MILLIMETERS

MEETS OR EXCEEDS FDOT SPECIFICATION 462-4.2.5.5



Marking every 2 m



DRW.	4-3-95	RDC	10-6-97	UPDATED MATERIAL TYPE	TKW
DES.			2-18-97	ADD INVENTORY No.	RDC
CHK.			4-7-95	REVISE DIMENSIONS PER ENGR. SPEC.	RDC
APD.			4-3-95	PRELIMINARY	RDC
				REVISION	BY
					CHK

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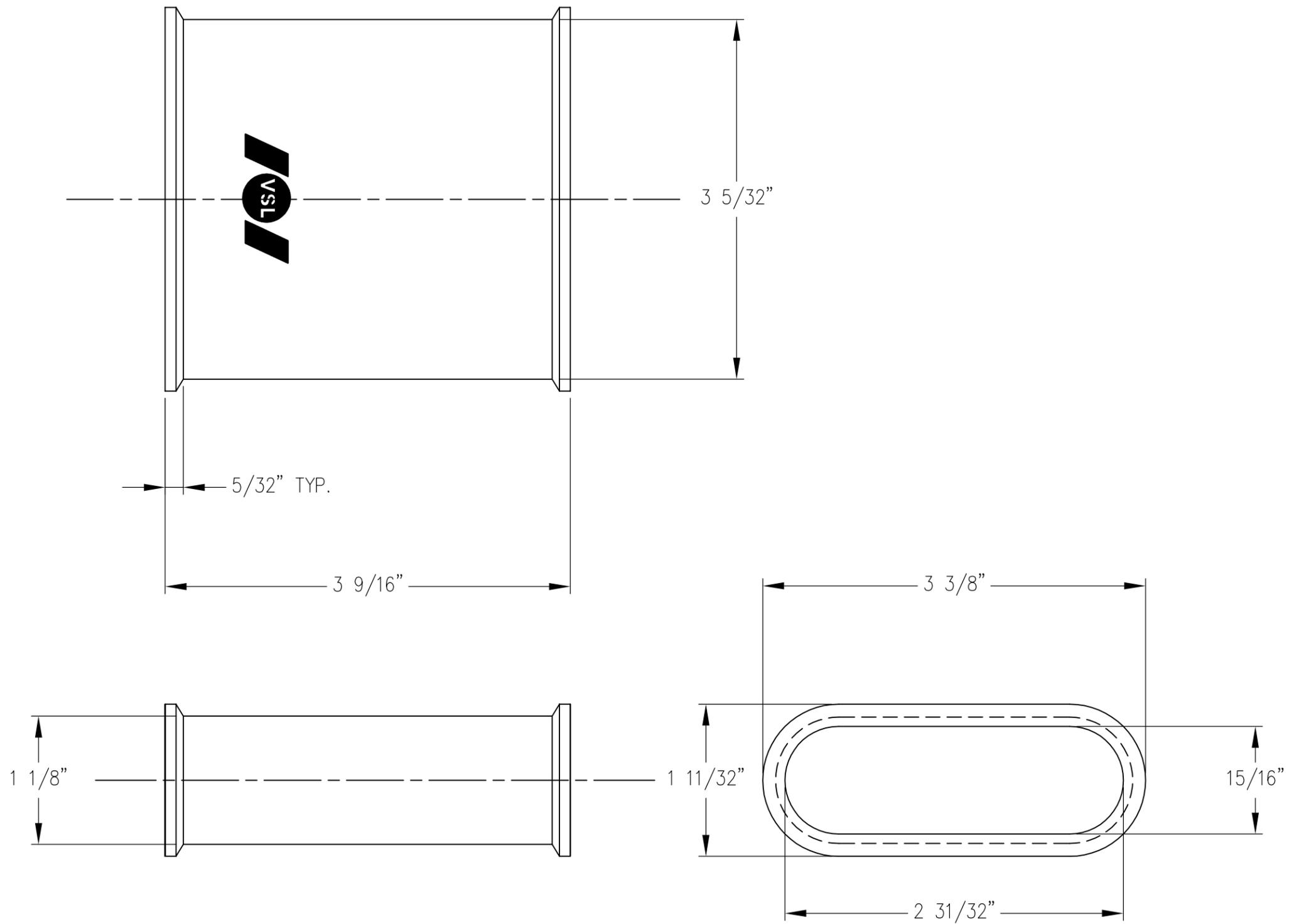
ATLANTA, GA / DALLAS, TX / MIAMI, FL / PHILADELPHIA, PA
RALEIGH, NC (CORPORATE OFFICE) / SAN JOSE, CA / SPRINGFIELD, VA

DWG. TITLE: FLAT DUCT U.S. VERSION

PROJECT: PT-PLUS 72 / 21 VSL CORPORATION

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SCALE:
TCNA NO:
VSL JOB NO: -
VSL DWG. NO. C270-4



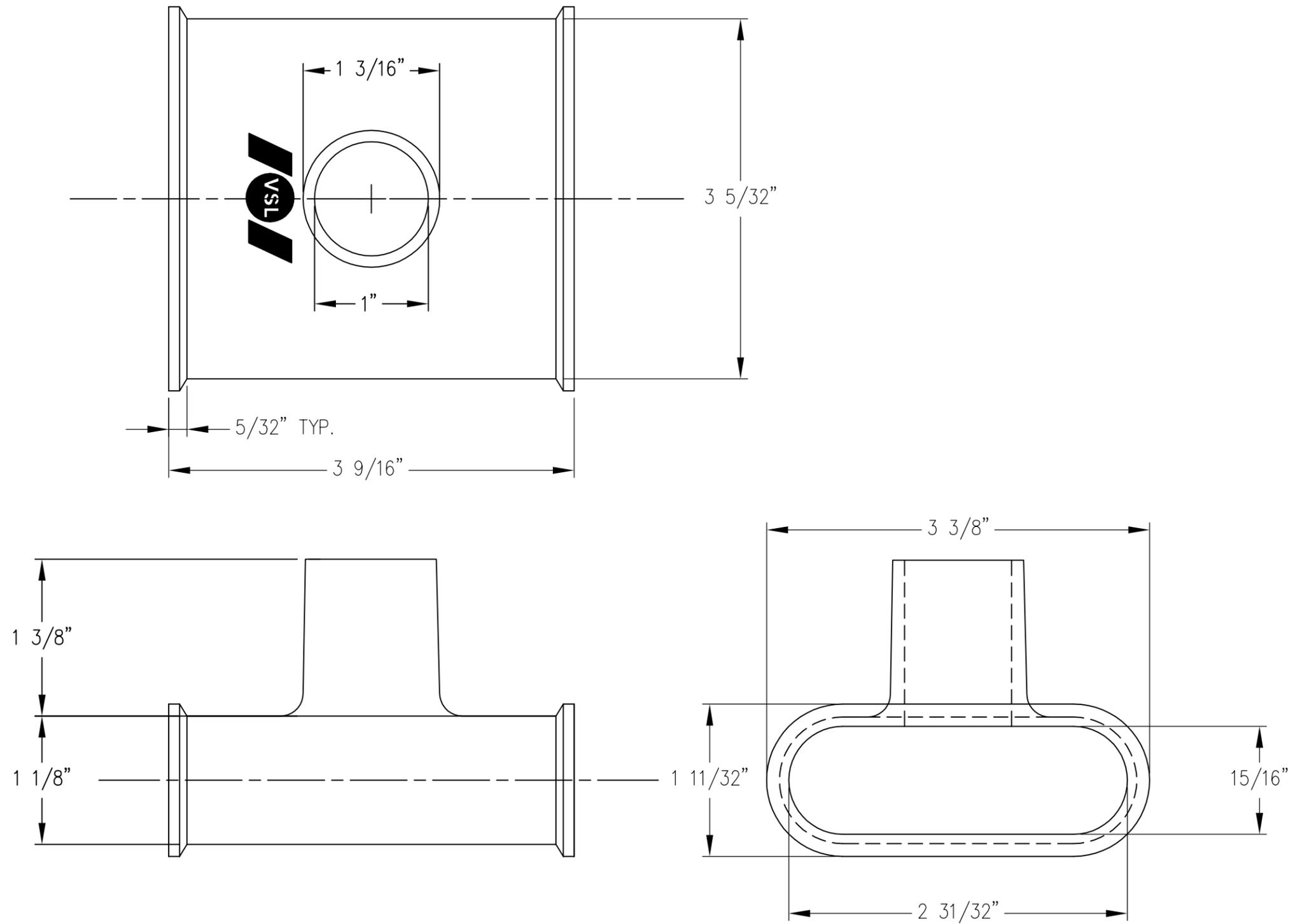
MATERIAL: POLYPROPYLENE BLACK
 MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 462-4.2.3
 DIMENSIONS SHOWN IN INCHES

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Dwg. Title:		72 / 21 PT-PLUS SLIP-ON COUPLER FABRICATION	
Project:		VSL Inventory Number: 02DT0214	
Scale:		NONE	
VSL Job No.:		C696	
VSL Dwg. No.:		C696	
REV.	DATE	BY	CHK
1	3/7/11		
		RELEASED FOR PRODUCTION	
		GY	MM

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MATERIAL: POLYPROPYLENE BLACK

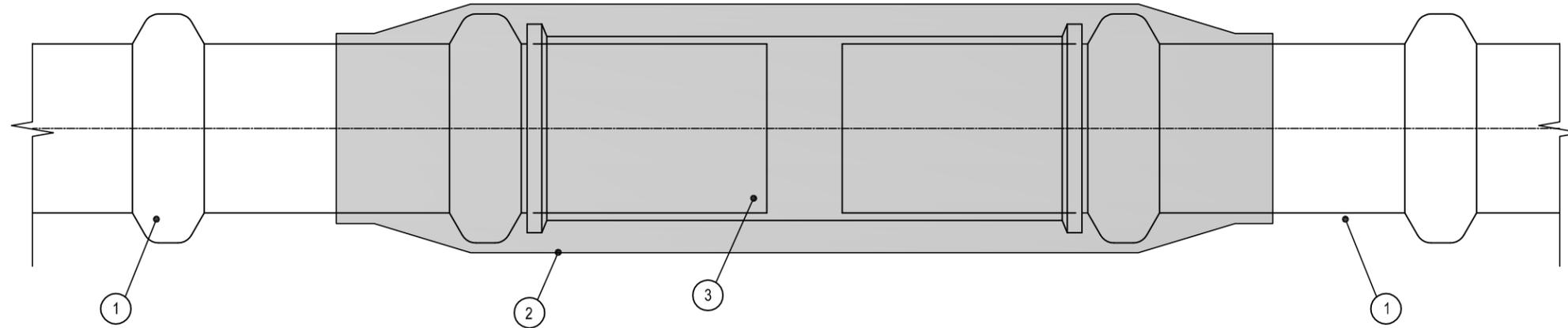
MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 462-4.2.3

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DWG. TITLE:	72 / 21 PT-PLUS SLIP-ON COUPLER w/ VENT	
PROJECT:	FABRICATION	
SCALE:	NONE	
VSL JOB NO.:	VSL	
VSL DWG. NO.:	C702	
Inventory Number:	02DT0217	
REV.:	0	1-5-12
DATE:		
REVISION:		RELEASED FOR PRODUCTION
BY:	DTS	CHK

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ELEVATION - TYPICAL 72/21 FLAT DUCT TO DUCT CONNECTION

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY No.
3	1	72/21 PT-PLUS SLIP-ON COUPLER	POLYOLEFIN BLACK	02DT0214
2	1	HEAT SHRINK SLEEVE (6" LONG)	POLYOLEFIN(CANUSA PLA 63-150-YE)	02DT0503
1	1	FLAT DUCT, 72/21 PT-PLUS	POLYPROPYLENE WHT	02DT0413

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SCALE: NONE

JOB NO:

SHEET: A283

VSLAB 6-4 SYSTEM
TYPICAL 72/21 FLAT DUCT TO DUCT CONNECTION

VSL
SYSTEMS DRAWING



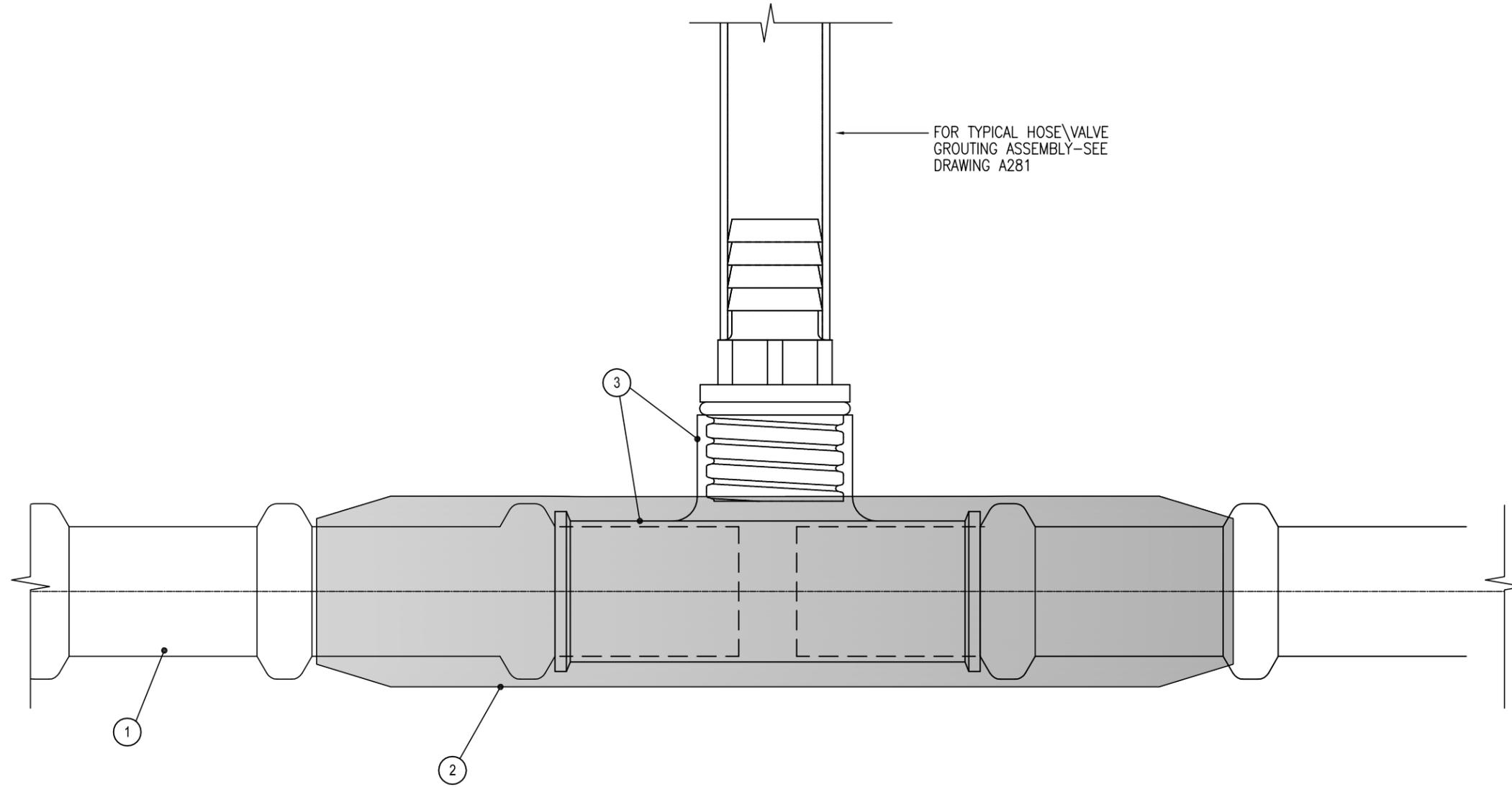
1500 Trinity Blvd Ste 118
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Dallas, TX office

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Fax: (817) 545-4827

NO.	DATE	DESCRIPTION	ISSUED FOR	BY	CHK
1	1/17/11	RELEASED FOR CONSTRUCTION			



ELEVATION - 72/21 FLAT DUCT COUPLER WITH GROUTING VENT

ITEM	QTY	DESCRIPTION	MATERIAL	INVENTORY No.
3	1	72/21 PT-PLUS SLIP ON COUPLER w/ VENT	PP	02DT0217
2	1	HEAT SHRINK SLEEVE	POLYOLEFIN(CANUSA PLA-63-150-YE)	02DT0503
1	1	FLAT DUCT, 72/21 PT-PLUS	POLYPROPYLENE WHT	02DT0413

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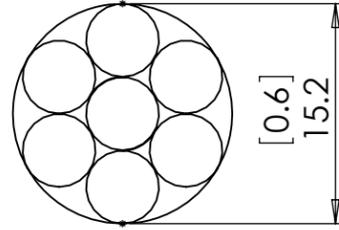
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NO.	DATE	DESCRIPTION	ISSUED FOR	BY	CHK
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1	3/7/11	RELEASED FOR CONSTRUCTION		GB	MM

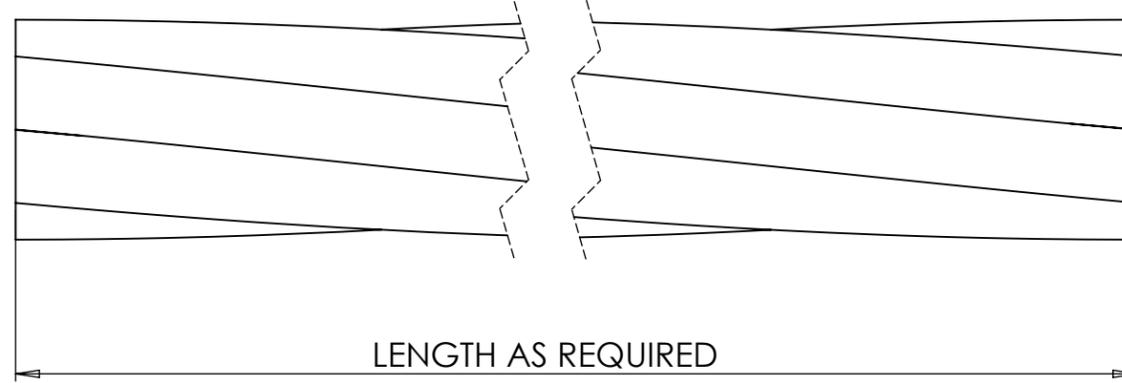

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VSLAB 6-4 SYSTEM
 72/21 FLAT DUCT W/ GROUTING VENT
 VSL
 SYSTEMS DRAWING

SCALE: NONE
 JOB NO:
 SHEET: A284



ASTM A416
Grade 270
Low-Relaxation Strand



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VSL POST TENSIONING
0.6" BARE STRAND
ASTM A416, 270KSI

P/N: 01SD0002 (COMMERCIAL)
P/N: 01SD0013 (DOMESTIC)

SCALE: DO NOT SCALE

DRW NO: C674

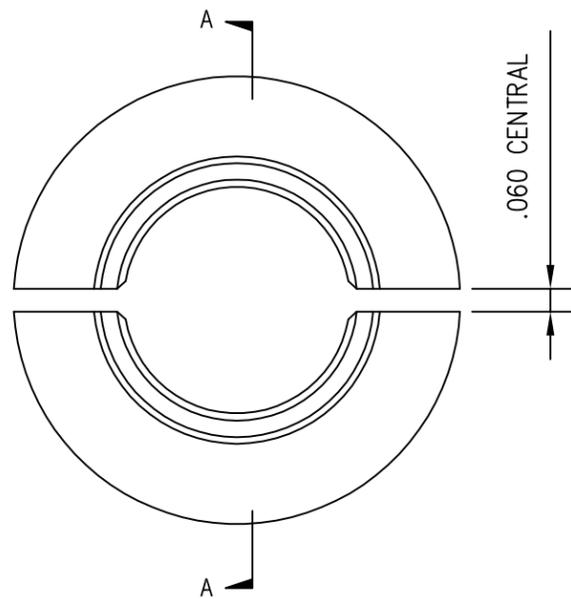
SHEET: 1 OF 1



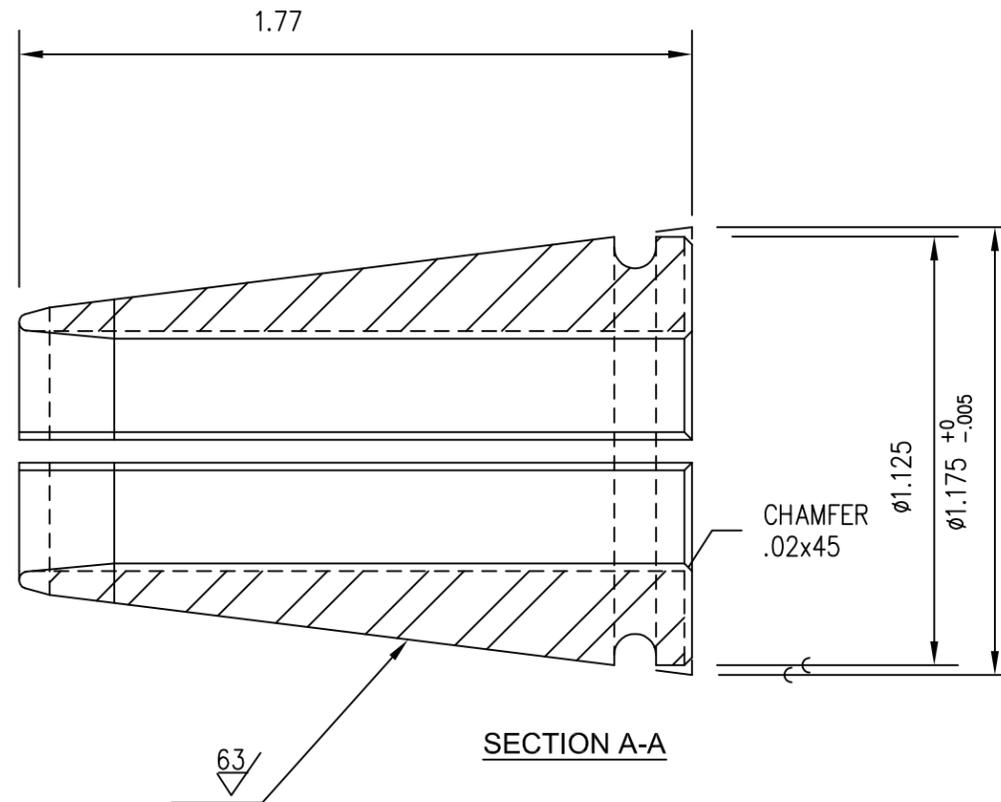
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Dallas, TX office
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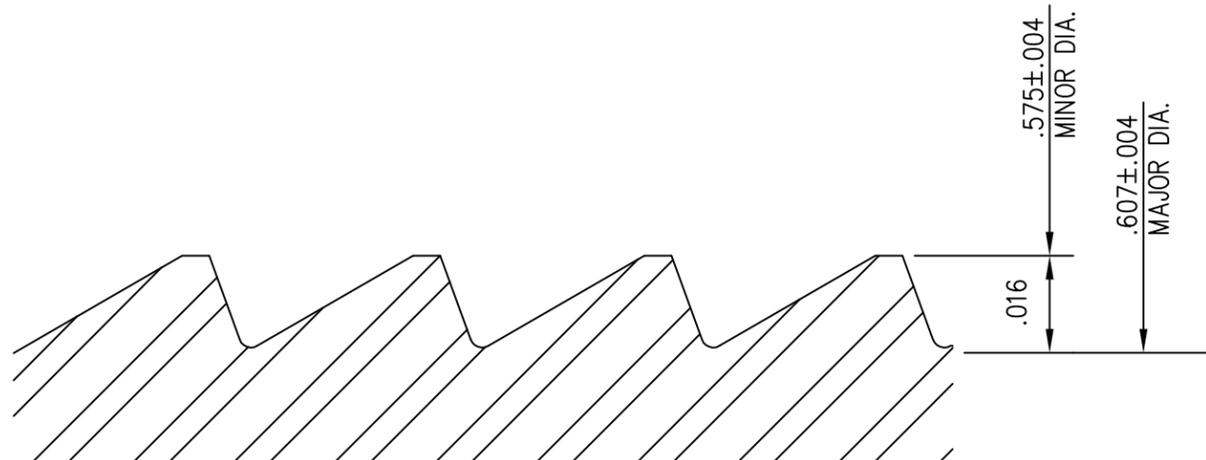
NO.	DATE	DESCRIPTION	ISSUED FOR	BY	CHK
0	2/24/2010	FOR FDOT		MM	CHK



0.6" DIA. MULTIWEDGES
TYPE 1.6G



SECTION A-A



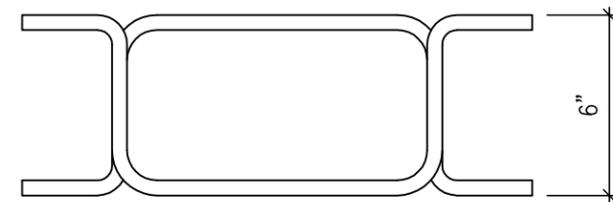
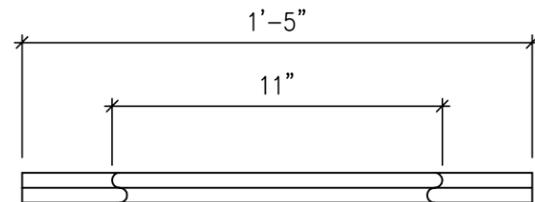
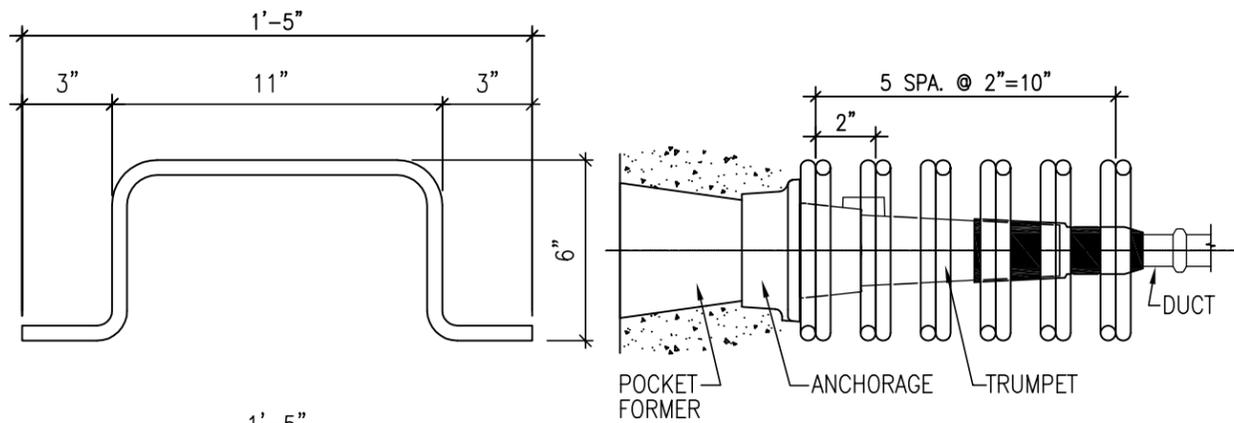
THREAD DETAIL

TOLERANCES	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS IN INCHES.	
FRACTIONAL _____	± 1/64
DECIMAL _____.X ____	± .030
_____.XX ____	± .010
_____.XXX ____	± .005
ANGULAR _____	± 1/2°
SURFACE QUALITY	✓
NOTES:	
1) BREAK SHARP EDGES .010 MAX.	
2) REMOVE ALL BURRS.	
3) DO NOT SCALE DRAWING.	
4) DIMENSIONS SHOWN THUS "(XX)" ARE IN MILLIMETERS.	
5) DIMENSIONS IN MM SHALL CONFORM TO DIN 1685 GTB16 TOLERANCES	

- GENERAL NOTES**
- 1) MATERIAL: VSL MS 3.1.006
 - 2) WEIGHT: 0.197 LBS. (APPROX.)
 - 3) HEAT TREATMENT: CASEHARDEN- CASE DEPTH .013-.025 TEMPER CASE HARDNESS TO BE EQUIVALENT TO HRC 59-66, CORE 25-40 HRC AS MEASURED BY ROCKWELL "SUPERFICAL", VICKERS, KNOOP OR EQUIVALENT.
 - 4) DIAMETERS MARKED ← MUST BE CONCENTRIC WITHIN .004 T.I.R.
 - 5) SURFACE FINISHED ✓ U.N.O.
- INVENTORY No. 02WG0008

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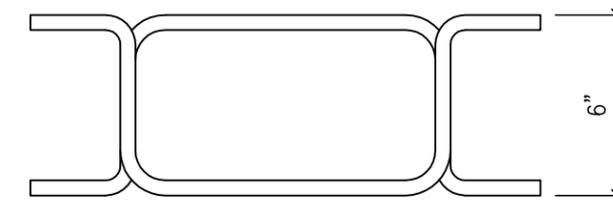
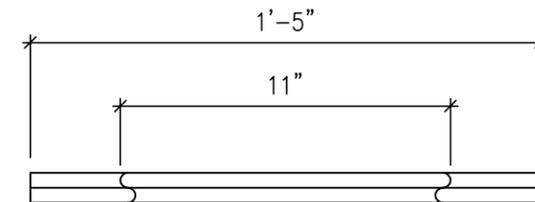
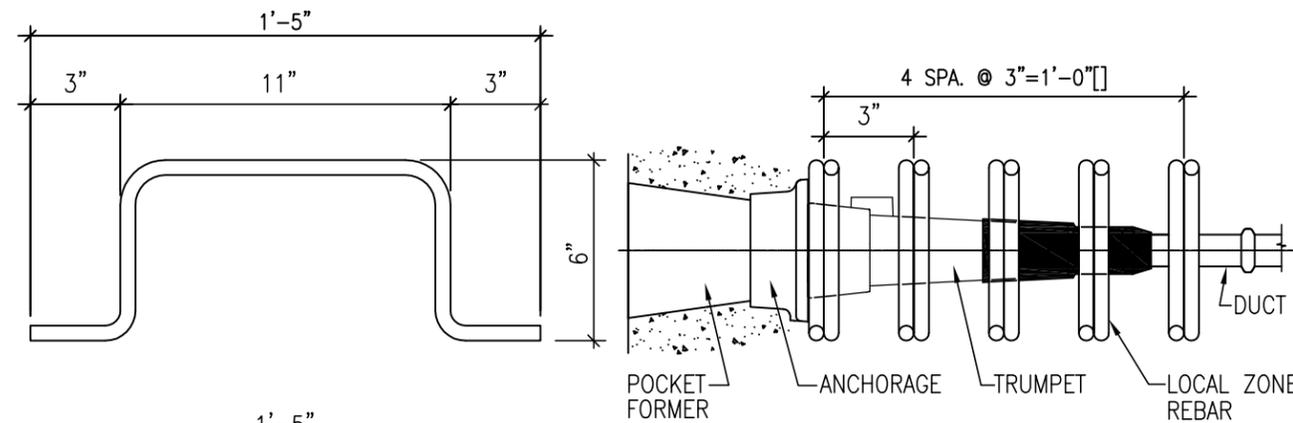
VSL 7455 NEW RIDGE RD. HANOVER, MD. 21076 WWW.VSL.NET	3	4/29/04	UPDATED BORDER	GDH NDS
	2	1/1/89	ADDED INVENTORY NUMBER	TKW
	1	1/1/89	ISSUED FOR PRODUCTION	BB
	REV.	DATE	REASON	CHK
0.6" MULTIWEDGE TYPE 1.6G		VSL SYSTEM DRAWING		
DWG. TITLE:	SCALE: 2:1			
PROJECT:	VSL JOB NO:			
	VSL DWG. NO.			
	C218			



LOCAL ZONE REBAR DETAIL
 #4 PAIRED TOP HATS
 2.0" C/C TYP. SPACING
 (TOTAL 6 PAIRS)

VSLAB 6-4 LOCAL ZONE REINFORCEMENT
3500 PSI CONCRETE

LOCAL ZONE REINF. HAS SPACING PRIORITY.
 CONCRETE STRENGTH $f'_{ci}=3500$ PSI



LOCAL ZONE REBAR DETAIL
 #3 PAIRED TOP HATS
 3.0" C/C TYP. SPACING
 (TOTAL 5 PAIRS)

VSLAB 6-4 LOCAL ZONE REINFORCEMENT
5500 PSI CONCRETE

LOCAL ZONE REINF. HAS SPACING PRIORITY.
 CONCRETE STRENGTH $f'_{ci}=5500$ PSI
 FOR AGGRESSIVE ENVIRONMENTS USE MINIMUM
 CONCRETE STRENGTH 6410 PSI.

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VStructural LLC (VSL) SHOP DRAWING
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ISSUED FOR	BY	CHK
RELEASED FOR CONSTRUCTION	GB	MM
NO.	DATE	DESCRIPTION
1	1/17/11	

VSL

15000 Trinity Blvd Ste 118
 Ft. Worth, TX 76155

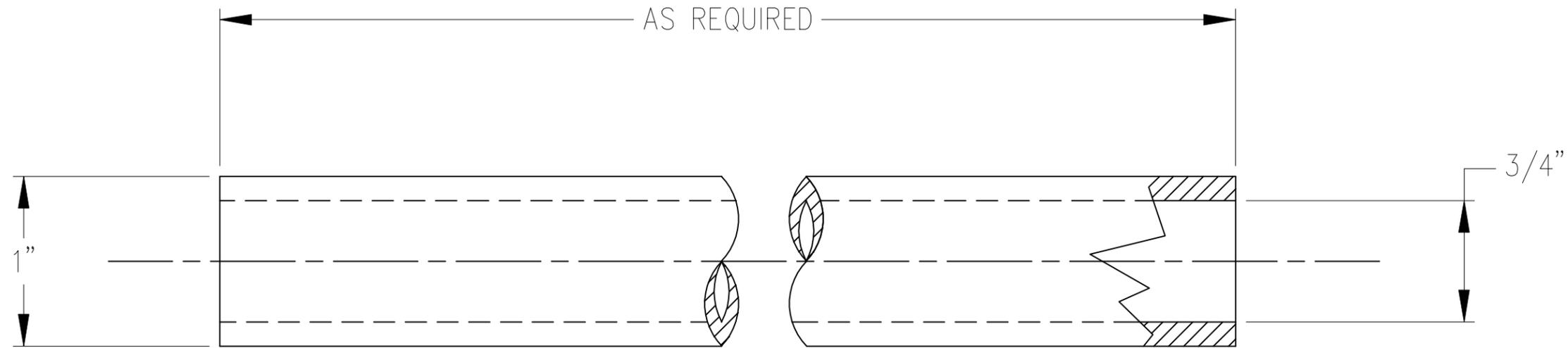
Dallas, TX office
 Dallas, TX / Washington, DC / Denver, CO / Pompano Beach, FL / Atlanta, GA

Phone: (817) 545-4807
 Fax: (817) 545-4827

VSLAB 6-4 ANCHORAGE LOCAL ZONE REINFORCEMENT
FOR MODERATELY AGGRESSIVE ENVIRONMENTS

VSL
 SYSTEM DRAWINGS

SCALE: NONE
 JOB NO:
 SHEET: A282

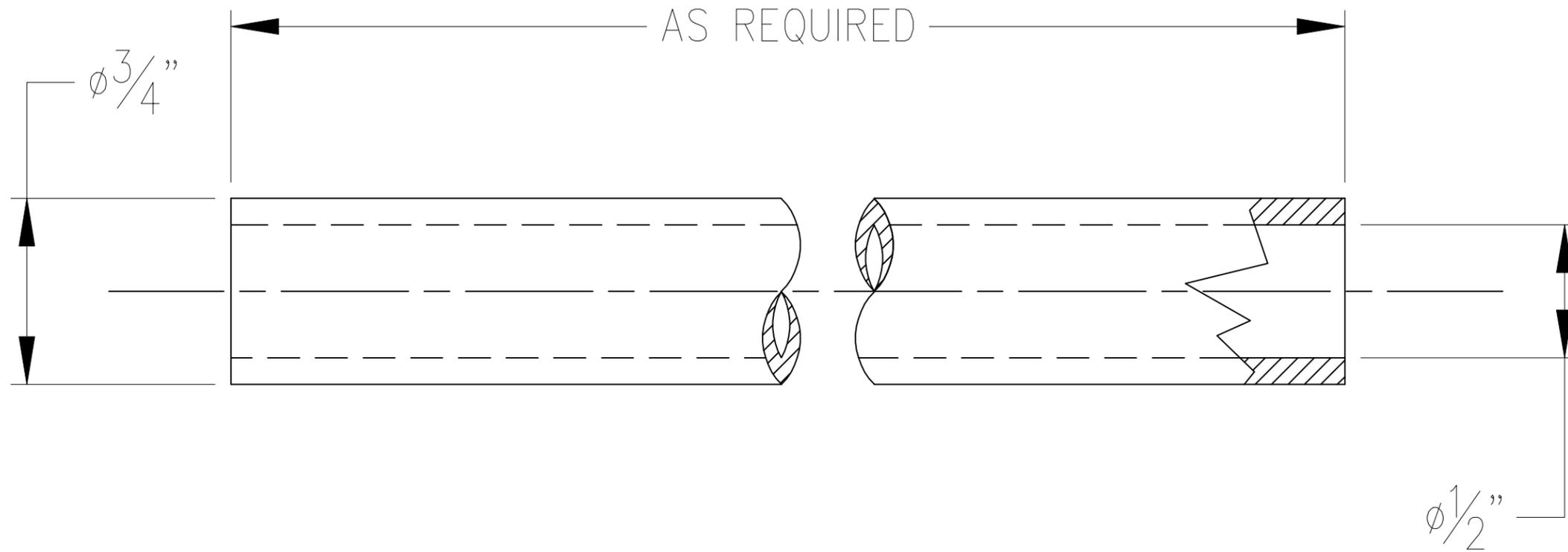


MATERIAL: HDPE BLACK
 MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 462-4.2.3

VSL 7455 NEW RIDGE RD. HANOVER, MD. 21076 WWW.VSL.NET		REV.	DATE
VSL 3/4" SMOOTH GROUT HOSE FABRICATION VSL Inventory Number: 02DT01001		1	3/7/11
		RELEASED FOR PRODUCTION	REVISION
		BY	CHK

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 VSL DWG. NO.
C685

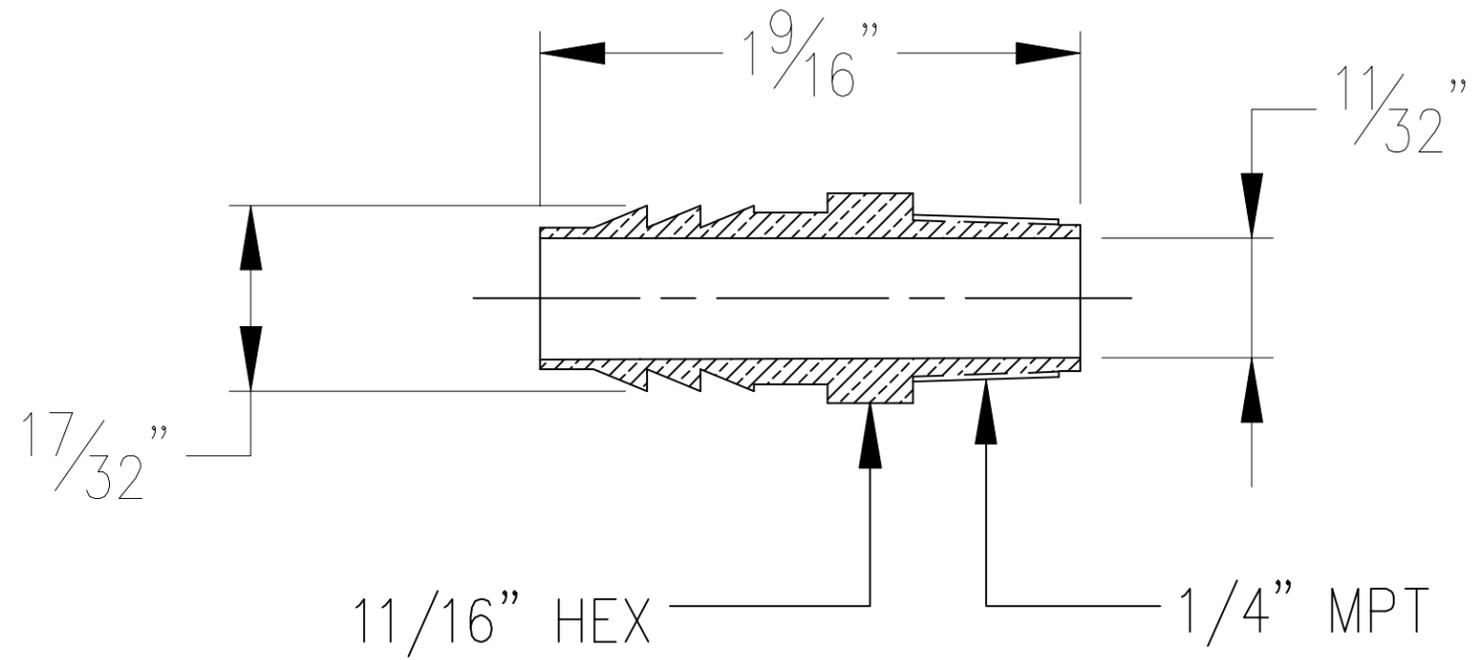


MATERIAL: HDPE BLACK

MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 462-4.2.3

VSL 7455 NEW RIDGE RD. HANOVER, MD. 21076 WWW.VSL.NET		REV.	DATE
		1	3/7/11
		RELEASED FOR PRODUCTION	
1/2" SMOOTH GROUT HOSE FABRICATION		BY	CHK
PROJECT: VSL Inventory Number: 02DT01920		MM	
DWG. TITLE:		REV.	DATE
SCALE: NONE		BY	CHK
VSL JOB NO:			
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C686			

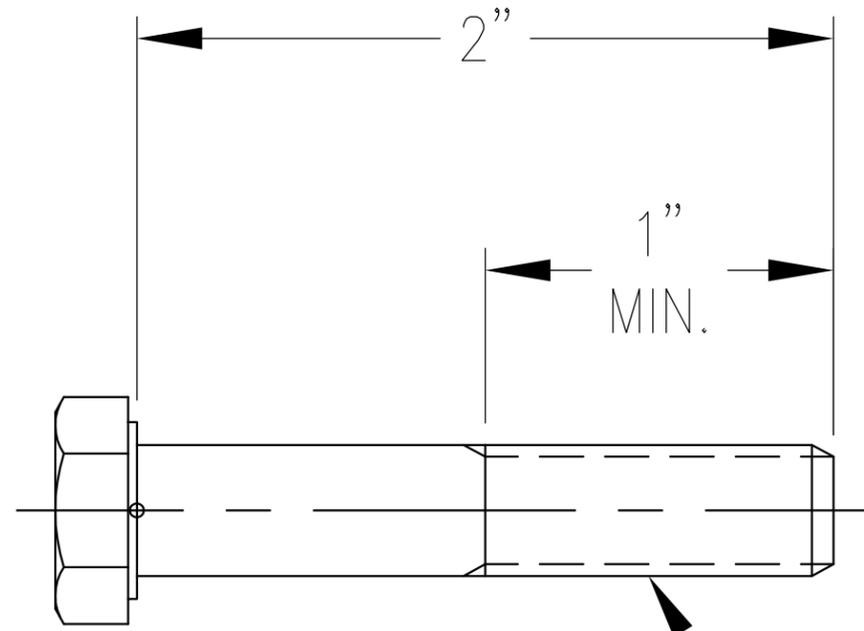
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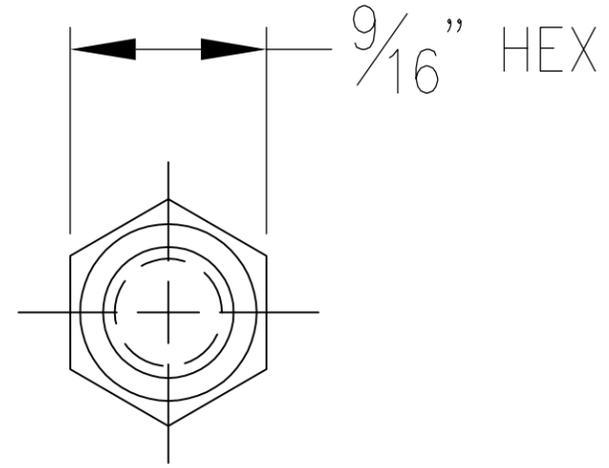
MATERIAL: POLYPROPYLENE BLACK

MATERIAL MEETS OR EXCEEDS FDOT SPECIFICATION 462-4.2.3

VSL 7455 NEW RIDGE RD. HANOVER, MD. 21076 WWW.VSL.NET		REV.	DATE	BY	CHK
1/2" HOSE BARB TO 1/4" MPT GROUT FITTING FABRICATION		1	3/7/11		
VSL Inventory Number: 2D101017					
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		C687			



3/8-16 (UNC)



MATERIAL: 316 STAINLESS STEEL
 INVENTORY NO: 2VS06407

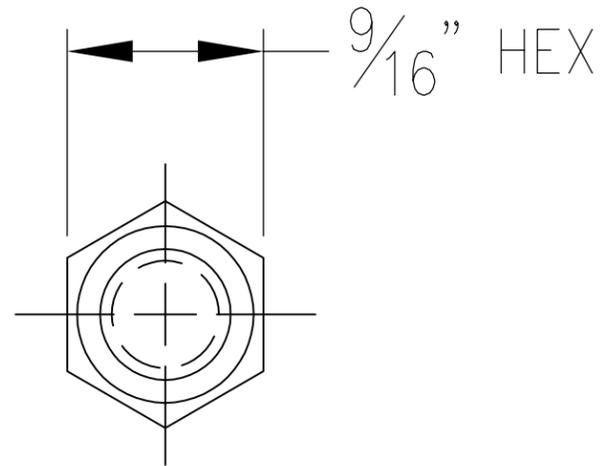
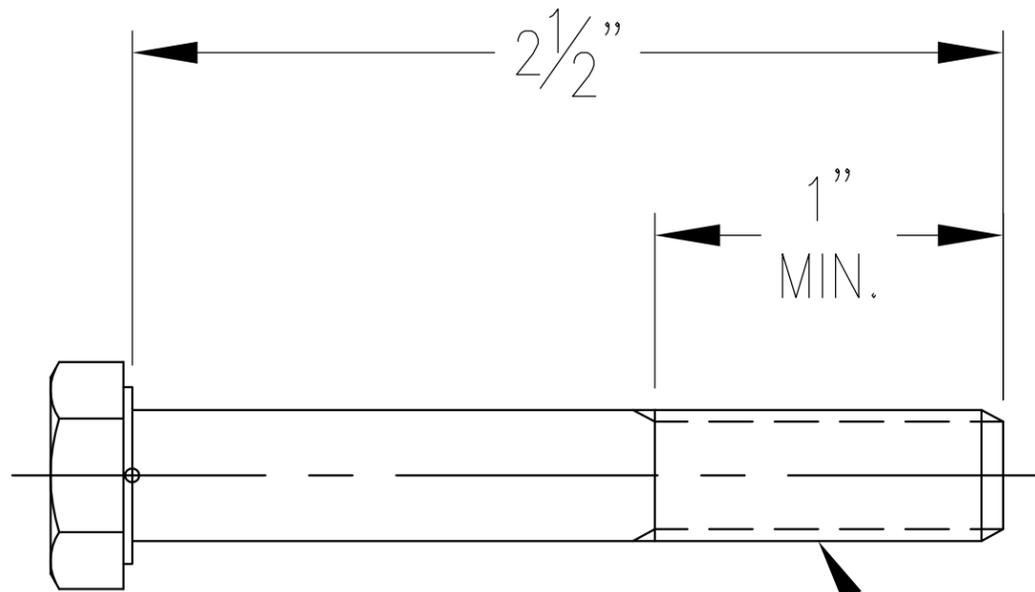
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DWG. TITLE:	3/8" UNC X 2" LONG HEX BOLT (SS 316)
PROJECT:	FABRICATION
SCALE:	NONE
VSL JOB NO:	
VSL DWG. NO.	C697

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1	3/11/11

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REVISION	GY	MM



3/8-16 (UNC)

MATERIAL: STEEL, GRADE 2 MINIMUM (ZINC PLATED)

MATERIAL: STEEL, GRADE 2 MINIMUM (ZINC PLATED)

INVENTORY NO: 2VS06408

VSL 7455 NEW RIDGE RD. HANOVER, MD. 21076 WWW.VSL.NET		3/11/11	DATE
1	REV.		DATE
3/8"UNC X 2-1/2" LONG HEX BOLT (ZINC PLATED) FABRICATION			
VSL SYSTEMS DRAWING			
DWG. TITLE:		SCALE:	NONE
PROJECT:		VSL JOB NO.:	
		VSL DWG. NO.:	C698
RELEASED FOR PRODUCTION	REVISION	BY	CHK
		GY	MM

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CanusaTube™ - PLA

Tubular sleeve for pipeline corrosion protection

For more than 35 years, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.

Product Description

The CanusaTube™ is a heat shrinkable tubular sleeve designed for corrosion protection of buried and exposed steel pipelines. CanusaTube™ consists of a crosslinked polyolefin backing, coated with a protective heat sensitive adhesive which effectively bonds to steel substrates and common pipeline coatings including polyethylene and fusion bonded epoxy.

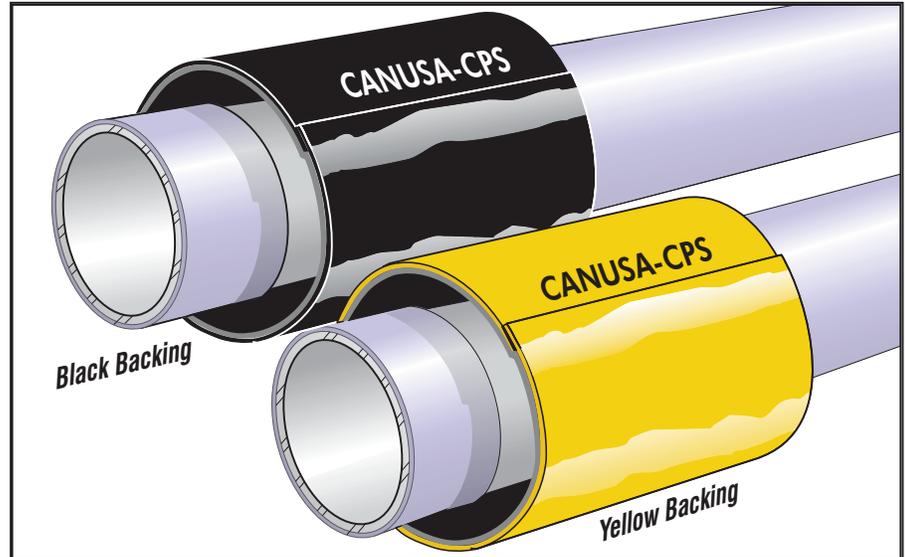
Features & Benefits

Rapid & Reliable Installation

Because CanusaTube™ consists of a unique tubular configuration that has been factory constructed, quick and reliable field installation is easy to accomplish. CanusaTube™ is available with a specially formulated adhesive to accommodate demanding operating temperatures and soil stress conditions. To further optimize installation, CanusaTube™ is available in yellow which includes a thermochromic indicator to visually confirm proper installation.

Long Term Corrosion Protection

CanusaTube™ provides excellent resistance to cathodic disbondment resulting in effective long term corrosion protection. The high performance crosslinked backing in combination with the specially formulated adhesive is engineered to have excellent resistance against temperature cycling, and chemical and environmental attack.



Saves Time & Money

With CanusaTube's™ unique construction, less time is required handling, positioning and installing separate closures. With the application of heat, this feature allows for fast, simple and complete installation of the sleeve. No additional costly primers are required. This minimizes installation time and labour costs while promoting high production rates. CanusaTube™ is also available in a high shrink ratio for high profile joint protection. Consult the High Shrink data sheet for additional information.

Applications

-  Oil & Gas
-  Girth-Weld Joints
-  Water Pipelines
-  Pre-Insulated Pipes
-  Utility Poles

Configurations

-  CanusaTube™
-  2-Layer
-  Standard Shrink

Pipe Sizes

-  55 - 315 (2" - 12")

Temperature Range

-  up to 55°C (131°F)

Approvals

-  DIN 30672

Product Selection Guide Choose your sleeve based on your Pipe Diameter

Shrink Range	Nominal Pipe Diameter DN (inches)	Outside Pipe Diameter mm (inches)	Tubular Sleeve PLA XXX-YYY ZZ	Tubular Sleeve Diameter	
				As Supplied mm (in)	Fully Recovered mm (in)
				50 (2)	61 (2.4)
65 (2.5)	76 (3)	PLA 63-YYY ZZ	90 (3.5)	63 (2.5)	
80 (3)	89 (3.5)	PLA 90-YYY ZZ	120 (4.8)	81 (3.3)	
90 (3.5)	102 (4)	PLA 100-YYY ZZ	130 (5)	90 (3.5)	
100 (4)	114 (4.5)	PLA 115-YYY ZZ	145 (5.5)	98 (3.8)	
125 (5)	141 (5.5)	PLA 125-YYY ZZ	160 (6.3)	110 (4.3)	
150 (6)	168 (6.6)	PLA 170-YYY ZZ	205 (8)	140 (5.5)	
200 (8)	219 (8.6)	PLA 230-YYY ZZ	260 (10)	180 (7)	
250 (10)	273 (10.7)	PLA 280-YYY ZZ	315 (12.3)	211 (8.3)	
300 (12)	324 (12.8)	PLA 315-YYY ZZ	360 (14)	245 (9.5)	

For pipe diameters > DN300 (12"), consult your Canusa representative.

Operating Characteristics

Pipeline Operating Temperature	Celsius	Fahrenheit	Hot Melt PLA
	70°	158°	60 (140)
60°	140°	very good	
50°	120°	very good	
40°	104°	very good	
30°	85°	PU, PE, FBE, PP	

Minimum Installation Temp. ■ °C (°F)

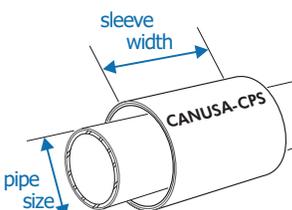
Resistance to Circumferential Forces
Resistance to Soil Stress
Resistance to Axial Pipe Movement
Main Line Coating Compatibility

Typical Product Properties

Adhesive	Test Standard	Unit	PLA
Softening Point	ASTM E28	°C (°F)	72 (162)
Lap Shear	DIN 30 672	N/cm ² (psi)	60 (87)
Backing	Specific Gravity	ASTM D792	0.93
Tensile Strength	ASTM D638	MPa (psi)	20 (2900)
Elongation	ASTM D638	%	600
Hardness	ASTM D2240	Shore D	46
Abrasion Resistance	ASTM D1044	mg	45
Volume Resistivity	ASTM D257	ohm-cm	10 ¹⁷
Dielectric Voltage Brkdown.	ASTM D149	kV/mm	20
Sleeve	Impact	DIN 30 672	class B
Indentation	DIN 30 672	class B	pass
Peel	ASTM D1000	N/cm (pli)	50 (29)
Peel	DIN 30 672	N/cm (pli)	35 (20)
Cathodic Disbondment	ASTM G8	mm rad	13
Water Absorption	ASTM D570	%	0.05
Low Temp. Flexibility	ASTM D2671-C	°C (°F)	-32 (-26)
DIN Approval	DIN 30 672	class	B50
Fully Recovered Thickness		mm (mils)	2.3 (92)

How To Order:

Dimensions & Ordering Info	PLA 115-450 YE	Standard Ordering Options	
		Colour ▶	YE - Yellow, BK - Black
Sleeve Width ▶	300mm, 450mm, 600mm, 900mm (12", 18", 24", 36")		
Pipe Size ▶	55mm - 315mm (2" - 12")		
Adhesive (thickness as supplied) ▶	A - 0.75 mm (30 mils)		
Backing (thickness as supplied) ▶	L - 0.80 mm (31 mils)		
Configuration ▶	P - Tubular		



Min. Sleeve Width =
Bare Steel Dimension + 50 mm (2") min.
on each side of the pipe joint.

The above represent standard ordering options. Consult your Canusa representative for any unique project requirements.



www.canusacps.com

Canada

CANUSA-CPS
a division of SHAWCOR LTD.
25 Bethridge Road
Toronto, Ontario
M9W 1M7,
Canada
Tel: +1 (416) 743-7111
Fax: +1 (416) 743-5927

U.S.A./Latin America

CANUSA-CPS
a division of SHAWCOR INC.
2408 Timberloch Place
Building C-8
The Woodlands, Texas
77380, U.S.A.
Tel: +1 (281) 367-8866
Fax: +1 (281) 367-4304

Europe/Middle East

CANUSA-CPS
a division of Canusa Systems Ltd.
Unit 3, Sterling Park
Gatwick Road
Crawley, West Sussex
England RH10 9QT
Tel: +44 (1293) 541254
Fax: +44 (1293) 541777

Asia/Pacific

CANUSA-CPS
a division of SHAWCOR LTD.
#05-31, Blk 52, Frontier
Ubi Avenue 3
Singapore
408867
Tel: +65-6749-8918
Fax: +65-6749-8919