



U.S. Department  
of Transportation  
**Federal Highway  
Administration**

May 17, 2024

1200 New Jersey Ave., SE  
Washington, D.C. 20590

In Reply Refer To:  
HSST-1/WZ-456

Ryan Mornan  
PowerPak  
225 N Rte 303 Unit 108  
Congers, NY 10920

Dear Mr. Mornan:

We received your correspondence of June 29, 2023, requesting issuance of a reimbursement eligibility letter under the Federal-aid highway program for the roadside safety system, device, design, product, or hardware (collectively “device”) described below. This letter is assigned Federal Highway Administration (FHWA) control number WZ-456.

### **ELIGIBILITY LETTERS**

The FHWA issues Federal-aid reimbursement eligibility letters for new roadside safety devices that are crash tested in accordance with the industry standard of the American Association of State Highway and Transportation Officials (AASHTO) Manual for Assessing Safety Hardware (MASH).

FHWA, the Department of Transportation, and the United States (government) do not regulate roadside safety devices, crash test facilities, or the manufacturing industry. Issuance of eligibility letters is discretionary and provided only as a service to the states. FHWA may, at its discretion, decline to issue, revise, or rescind an eligibility letter. Eligibility letters are only issued by the FHWA headquarters Office of Safety.

Eligibility letters are issued only as notice to the states that a device is eligible for reimbursement under the Federal-aid highway program. They do not establish approval or certification for any other purpose. Issuance of an eligibility letter is not a prerequisite or requirement for state transportation agencies seeking to use Federal-aid funds for roadside safety devices. State agencies may use a device for which an eligibility letter has not been issued and seek Federal-aid reimbursement.

### **FEDERAL-AID REIMBURSEMENT**

The request for issuance of this letter certified the device was crash tested in accordance with the industry standard of AASHTO’s MASH. This eligibility letter is based on that certification and the material offered in support of its issuance. The device described below is eligible for reimbursement under the Federal-aid highway program.

Name of system: Rock Road Safety WB300  
Type of system: Work Zone  
Test Level: Test Level 2  
Testing conducted by: Applus IDIADA KARCO Engineering, LLC  
Date of request: June 29, 2023

Information about the device, including material such as the eligibility request, crash test reports, drawings, or images are included in one or more attachment(s) to this letter.

Eligibility letter WZ-456 is inapplicable to devices, optional equipment, alternate materials, or other features that were not crash tested in accordance with AASHTO's MASH.

This letter is issued only for the subject device as crash tested under AASHTO's MASH. Later modification(s) of the device are not eligible for Federal-aid reimbursement under this letter. Notice of later modification(s) should be given to transportation agencies, facility owners, and operators (collectively "agencies").

Agencies should be provided appropriate information about the device's design, installation, maintenance, materials, and mechanical properties.

Issuance of this letter is discretionary, and it may be revised or rescinded at FHWA's discretion. This letter is not a determination of compliance with the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) or ownership of any intellectual property rights.

This eligibility letter is not a determination by the government that a crash involving the subject device will result in any particular outcome. It is limited to only the device's eligibility for Federal-aid reimbursement.

### **INTELLECTUAL PROPERTY**

Issuance of this eligibility letter does not convey property rights of any sort nor any exclusive privilege. This letter is not authorization or consent by the government for the use, manufacture, or sale of any patented or proprietary system, device, design, product, or hardware for which the requester is not the patent owner. Eligibility letters are not an expression of any view, position, or determination by the government as to the validity, scope, or ownership of any intellectual property rights to a specific device. These letters do not grant, impute, suggest, or otherwise establish any ownership, distribution, or licensing rights to the requester. The government expresses no opinion about the intellectual property rights relating to any device for which this or any other eligibility letter is issued.

### **PUBLIC DISCLOSURE**

To prevent any misunderstanding, and as discussed above, this eligibility letter is assigned FHWA control number WZ-456. It should only be reproduced in full with its attachment(s). This letter and the material offered by the requester supporting its issuance is public information. All eligibility letters and supporting material are subject to public disclosure under the Freedom

of Information Act (FOIA). Eligibility letters are available to the public at [https://safety.fhwa.dot.gov/roadway\\_dept/countermeasures/reduce\\_crash\\_severity/](https://safety.fhwa.dot.gov/roadway_dept/countermeasures/reduce_crash_severity/).

If you have any questions please contact Aimee Zhang at [Aimee.Zhang@dot.gov](mailto:Aimee.Zhang@dot.gov).

Sincerely,

A handwritten signature in blue ink that reads "Amy S. Fox". The signature is written in a cursive, flowing style.

Amy S. Fox  
Acting Director, Office of Safety  
Technologies  
Office of Safety

Enclosures

## Request for Federal Aid Reimbursement Eligibility of Highway Safety Hardware

<b>Submitter</b>	Date of Request:	June 29, 2023	<input checked="" type="radio"/> New <input type="radio"/> Resubmission
	Name:	Ryan Mornan	
	Company:	PowerPak	
	Address:	225 N Rte 303 Unit 108 Congers, NY, 10920	
	Country:	United States of America	
	To:	Michael S. Griffith, Director FHWA, Office of Safety Technologies	

I request the following devices be considered eligible for reimbursement under the Federal-aid highway program.

**Device & Testing Criterion** - Enter from right to left starting with Test Level

!-!-!

System Type	Submission Type	Device Name / Variant	Testing Criterion	Test Level
'WZ': Crash Worthy Work Zone Traffic Control Devices	<input checked="" type="radio"/> Physical Crash Testing <input type="radio"/> Engineering Analysis	Rock Road Safety WB300	AASHTO MASH	TL2

By submitting this request for review and evaluation by the Federal Highway Administration, I certify that the product(s) was (were) tested in conformity with the AASHTO Manual for Assessing Safety Hardware and that the evaluation results meet the appropriate evaluation criteria in the MASH.

**Individual or Organization responsible for the product:**

Contact Name:	Ryan Mornan	Same as Submitter <input checked="" type="checkbox"/>
Company Name:	PowerPak	Same as Submitter <input checked="" type="checkbox"/>
Address:	225 N Rte 303 Unit 108 Congers, NY, 10920	Same as Submitter <input checked="" type="checkbox"/>
Country:	United States of America	Same as Submitter <input checked="" type="checkbox"/>

Enter below all disclosures of financial interests as required by the FHWA 'Federal-Aid Reimbursement Eligibility Process for Safety Hardware Devices' document.

PowerPak is the manufacturer and marketer of device.

Applus IDIADA KARCO Engineering, LLC (IDIADA KARCO) is an independent research and testing laboratory having no affiliation with any other entity. IDIADA KARCO is actively involved in data acquisition and compliance/certification testing for a variety of government agencies and equipment manufacturers. The principals and staff of IDIADA KARCO have no past or present financial, contractual or organizational interest in any company or entity directly or indirectly related to the products that KARCO tests. If any financial interest should arise, other than receiving fees for testing, reporting, etc., with respect to any project, the company will provide, in writing, a full and immediate disclosure to the FHWA.

## PRODUCT DESCRIPTION

- New Hardware or Significant Modification
  Modification to Existing Hardware

The PowerPak Road Rock Safety WB300 is a water-filled longitudinal channelizing device (LCD) designed to provide a clear visual indication of the intended travel path through a construction work zone while providing demarcated separation between the traveling public and pedestrians. The as-tested Road Rock Safety WB300 system consists of filled modules joined together with 2.00 in (51.00 mm) Diameter, 34.00 in (864.00 mm) height carbon steel grade S235 tube with a wall thickness of (3/32 in.) 2.38 mm with a hot dipped galvanized finish. The as-tested system is 154.00 ft. (46.94 m) long measured from end to end. The as tested condition is free standing on concrete without anchoring. The modules were filled with water up to approximately 18.00 in (457.00 mm). The as-tested water-filled modules weighed approximately 610.00 lbs (276.70 kg) when filled up to 18.00 in with water. The individual modules are 80.00 in. (2,032.00 mm) long by 18.00 in. (457.00 mm) wide by 36.00 in. (914.00 mm) tall. The Road Rock Safety WB300 is not designed to function as a positive barrier, but instead its designed and tested as a Longitudinal Channelizing Device (LCD).

## CRASH TESTING

By signature below, the Engineer affiliated with the testing laboratory, agrees in support of this submission that all of the critical and relevant crash tests for this device listed above were conducted to meet the MASH test criteria. The Engineer has determined that no other crash tests are necessary to determine the device meets the MASH criteria.

Engineer Name:	Fadi Alset	
Engineer Signature:	<b>Fadi Alset</b>	Digitally signed by Fadi Alset DN: cn=Fadi Alset, o=Applus Idiada Karco, ou, email=fadi.alset@idiada.com, c=US Date: 2023.05.30 17:03:57 -07'00'
Address:	9270 Holly Road Adelanto, CA 92301	Same as Submitter <input type="checkbox"/>
Country:	United States of America	Same as Submitter <input type="checkbox"/>

A brief description of each crash test and its result:

Required Test Number	Narrative Description	Evaluation Results
2-90 (1100C)	<p>Applus IDIADA KARCO Test No. P43070-01. Test Date April 20, 2023. Crash Test Report No. TR-P43070-01-NC for MASH 2016 Test 2-90 Crash Test of PowerPak Rock Road Safety WB300.</p> <p>An 1100C test vehicle approached the test article at a nominal speed of 44.00 mph (70.00 km/h). The Rock Road Safety WB300 was oriented at 15.0° and the vehicle's centerline was positioned to the center of module 11 of the Rock Road Safety WB300. The Rock Road Safety WB300 was impacted at a velocity of 45.15 mph (72.66 km/h) and an angle of 15.7°. The vehicle penetrated the system in a controlled manner. The occupant compartment was not penetrated and the maximum deformation into the occupant compartment 0.00 in. (0.00 mm). The Rock Road Safety WB300 met all the requirements for MASH Test 2-90.</p>	PASS
2-91 (2270P)	<p>Applus IDIADA KARCO Test No. P43071-01. 2-91 (2270P) Test Date APRIL 20, 2023. Crash Test Report No. TR-P43071-01-NC for MASH 2016 Test 2-91 Crash Test of PowerPak Rock Road Safety WB300.</p> <p>An 2270P test vehicle approached the test article at a nominal speed of 44.00 mph (70.00 km/h). The Rock Road Safety WB300 was oriented at 25.0° and the vehicle's centerline was positioned to the center of module 11 of the Rock Road Safety WB300. The Rock Road Safety WB300 was impacted at a velocity of 43.92 mph (70.69 km/h) and an angle of 25.1°. The vehicle over ride the system. The occupant compartment was not penetrated and the maximum deformation into the occupant compartment was 0.00 in. (0.00 mm). The Rock Road Safety WB300 met all the requirements for MASH Test 2-91.</p>	PASS

Full Scale Crash Testing was done in compliance with MASH by the following accredited crash test laboratory (cite the laboratory's accreditation status as noted in the crash test reports.):

Laboratory Name:	Applus IDIADA KARCO Engineering, LLC.	
Laboratory Signature:	<b>Fadi Alset</b>	<small>Digitally signed by Fadi Alset DN: cn=Fadi Alset, o=Applus Idiada Karco, ou, email=fadi.aset@idiada.com, c=US Date: 2023.05.30 17:03:57 -07'00'</small>
Address:	9270 Holly Road Adelanto, CA 92301	Same as Submitter <input type="checkbox"/>
Country:	United States of America	Same as Submitter <input type="checkbox"/>
Accreditation Certificate Number and Dates of current Accreditation period :	TL 371: April 27, 2022 - April 27, 2025	

Submitter Signature\*: **Ryan Mornan** Digitally signed by Ryan Mornan  
Date: 2023.06.26 16:26:29 -04'00'

**Submit Form**

### ATTACHMENTS

Attach to this form:

- 1) Additional disclosures of related financial interest as indicated above.
- 2) A copy of the full test report, video, and a Test Data Summary Sheet for each test conducted in support of this request.
- 3) A drawing or drawings of the device(s) that conform to the Task Force-13 Drawing Specifications [[Hardware Guide Drawing Standards](#)]. For proprietary products, a single isometric line drawing is usually acceptable to illustrate the product, with detailed specifications, intended use, and contact information provided on the reverse. Additional drawings (not in TF-13 format) showing details that are relevant to understanding the dimensions and performance of the device should also be submitted to facilitate our review.

FHWA Official Business Only:

Eligibility Letter		Key Words
Number	Date	

# MASH Test 2-90 Summary



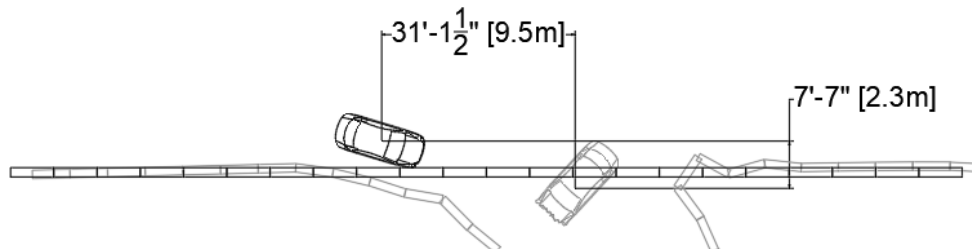
0.000 seconds

0.200 seconds

0.400 seconds

0.600 seconds

0.800 seconds



<b>General Information</b>	
Test Agency.....	Applus IDIADA KARCO
Test Number.....	P43070-01
Test Designation.....	2-90
Test Date.....	04/20/23
<b>Test Article</b>	
Name / Model.....	Road Rock Safety WB300
Type.....	Longitudinal Channelizer
Installation Length.....	154 ft. (46.94 m)
Module Length.....	6.67 ft. (2.03 m)
Road Surface.....	Smooth, clean concrete and soil
<b>Test Vehicle</b>	
Type / Designation.....	1100C
Year, Make, and Model....	2017 Kia Rio
Curb Mass.....	2,538.6 lbs (1,151.5 kg)
Test Inertial Mass.....	2,464.7 lbs (1,118.0 kg)
Gross Static Mass.....	2,627.9 lbs (1,192.0 kg)

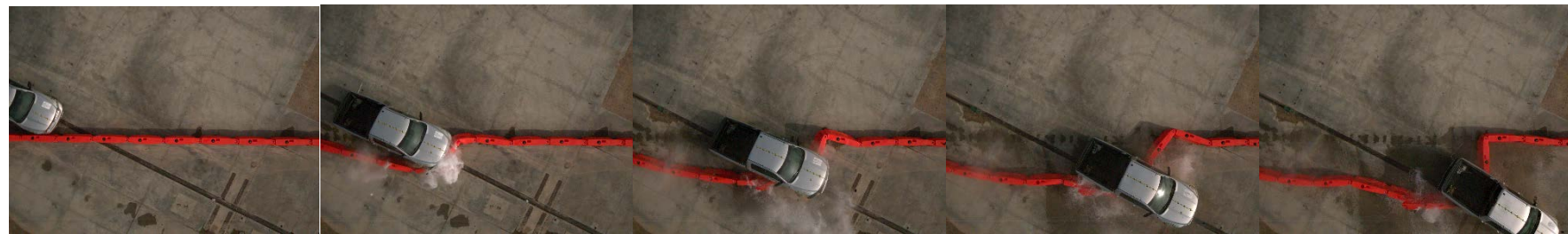
<b>Impact Conditions</b>	
Impact Velocity.....	45.15 mph (72.66 km/h)
Impact Angle.....	15.7°
Location / Orientation.....	1.92 in. towards the driver side
Kinetic Energy.....	169.0 kip-ft (229.1 KiloJoules)
Minimum Kinetic Energy.....	141.0 kip-ft (191.0 KiloJoules)
<b>Exit Conditions</b>	
Exit Velocity.....	15.17 mph (24.41 km/h) Exit
Angle.....	Not Applicable (Vehicle didn't exit the system)
Final Vehicle Position.....	31.12 ft. (9.49 m) Toward the Passenger Side
	7.58 ft. (2.31 m) downstream from CIP
Exit Box Criteria Met.....	Not Applicable
Vehicle Snagging.....	None
Vehicle Pocketing.....	None
Vehicle Stability.....	Satisfactory
Maximum Roll Angle.....	-13.1°
Maximum Pitch Angle.....	-6.1°
Maximum Yaw Angle.....	129.0°

<b>Occupant Risk</b>	
Longitudinal OIV.....	24.9 ft/s (7.6 m/s)
Lateral OIV.....	1.3 ft/s (0.4 m/s)
Longitudinal RA.....	-4.2 g
Lateral RA.....	3.5 g
THIV.....	25.6 ft/s (7.8 m/s)
PHD.....	4.9 g
ASI.....	0.42
<b>Test Article Deflections</b>	
Static.....	Not Applicable
Dynamic.....	Not Applicable
Working Width.....	Not Applicable
Debris Field (longitudinal).....	38.2 ft. (11.6 m)
Debris Field (lateral).....	9.9 ft. (3.00 m)
<b>Vehicle Damage</b>	
Vehicle Damage Scale...01-FD-4	
CDC.....	01FRLW3
Maximum Intrusion.....	0.0 in. (0.0mm)

Figure 2 Summary of Test 2-90



# MASH Test 2-91 Summary



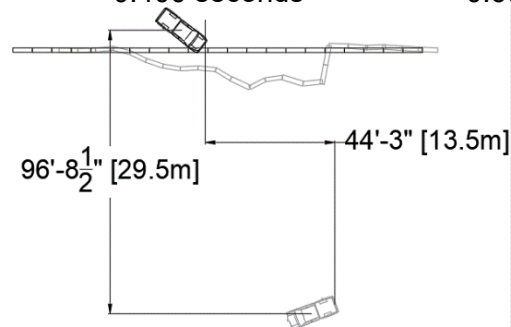
0.000 seconds

0.200 seconds

0.400 seconds

0.600 seconds

0.800 seconds



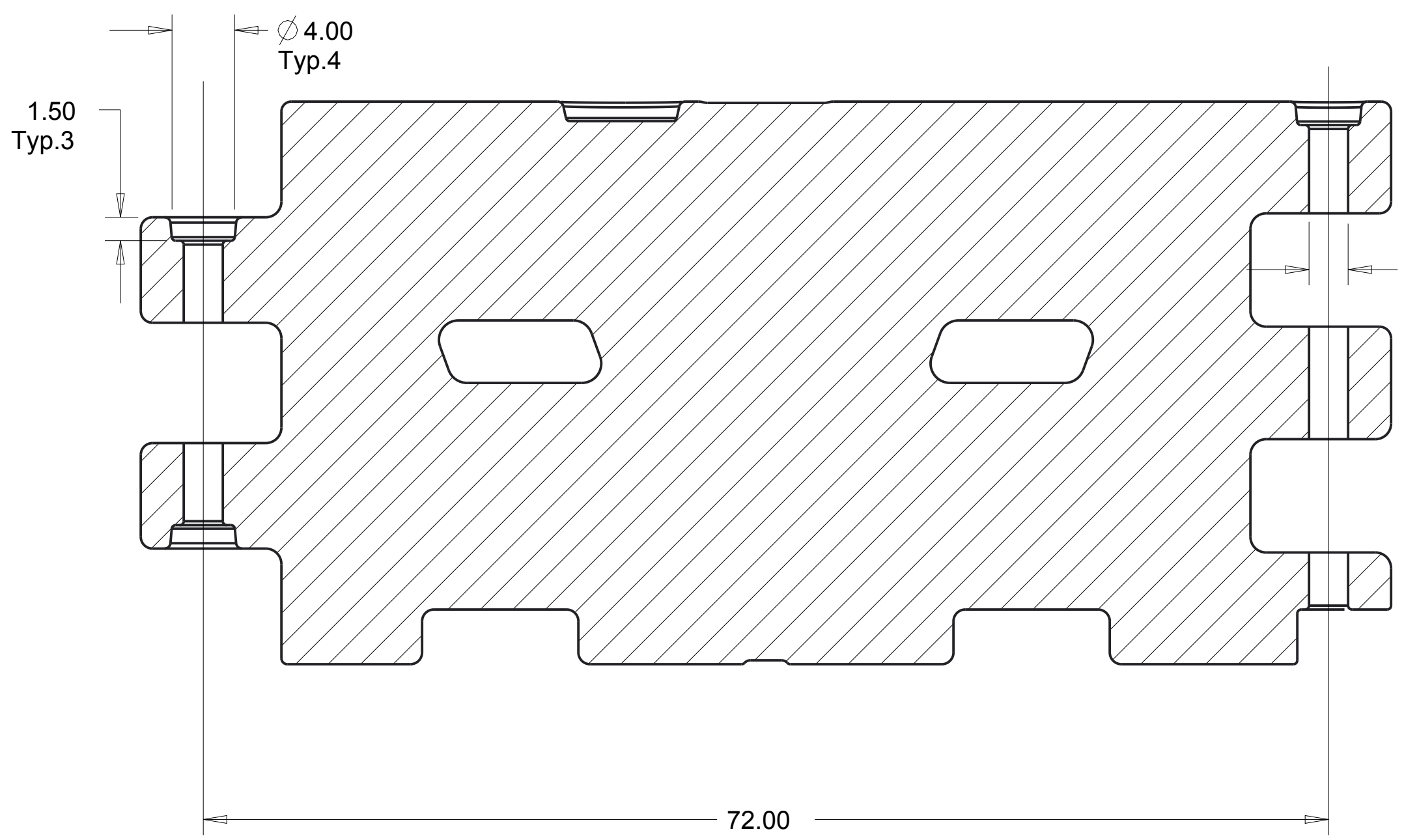
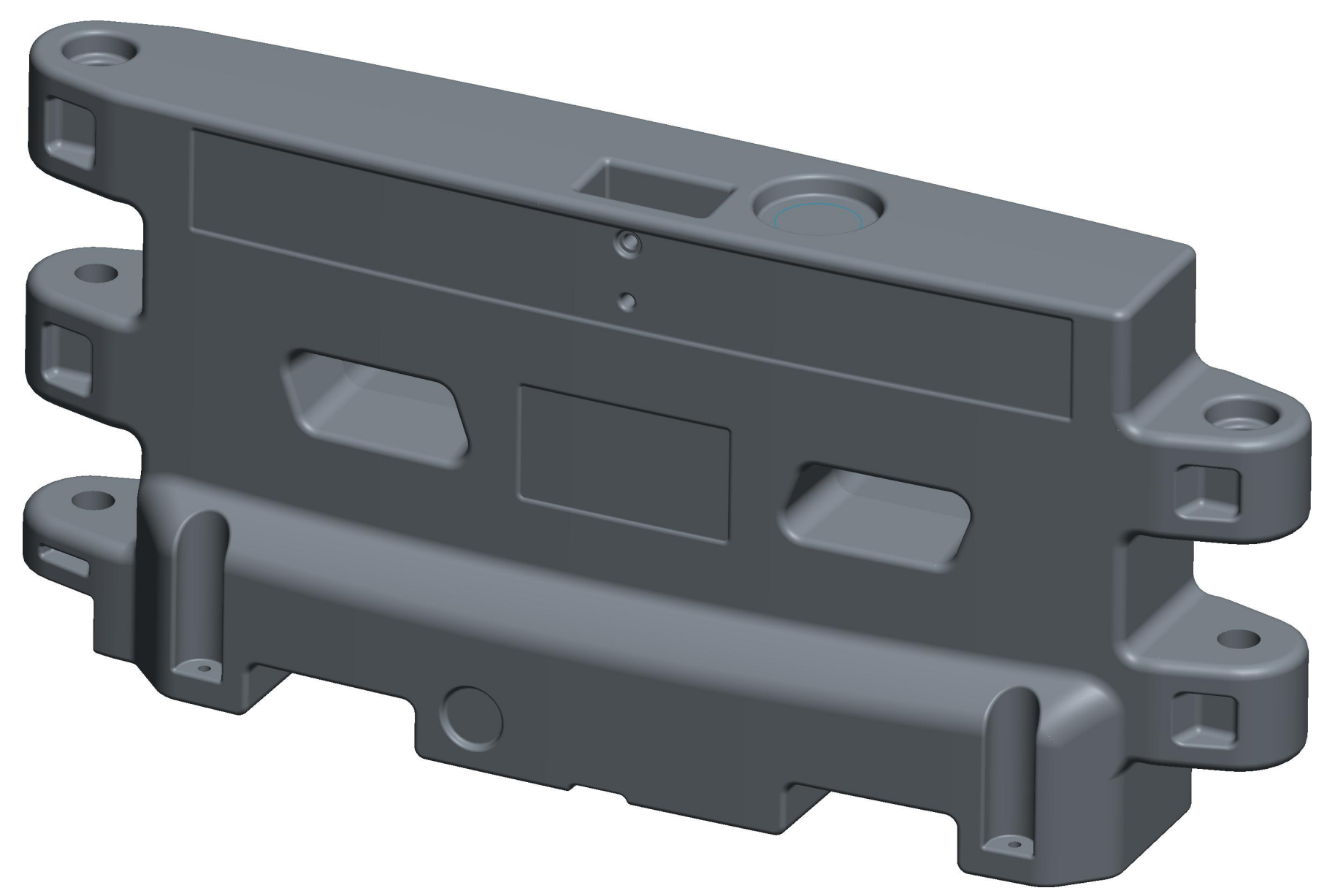
<b>General Information</b>	
Test Agency.....	Applus IDIADA KARCO
Test Number.....	P43071-01
Test Designation.....	2-91
Test Date.....	04/20/23
<b>Test Article</b>	
Name / Model.....	Road Rock Safety WB300
Type.....	Longitudinal Channelizer
Installation Length.....	120.0 ft. (36.6 m)
Module Length.....	6.0 ft. (1.8 m)
Road Surface.....	Smooth, clean concrete and soil
<b>Test Vehicle</b>	
Type / Designation.....	2270P
Year, Make, and Model....	2018 RAM 1500
Curb Mass.....	5,116.8 lbs (2,321.0 kg)
Test Inertial Mass.....	5,034.2 lbs (2,283.5 kg)
Gross Static Mass.....	5,034.2 lbs (2,283.5 kg)

<b>Impact Conditions</b>	
Impact Velocity.....	43.92 mph (70.69 km/h)
Impact Angle.....	25.1°
Location / Orientation.....	2.4 in. towards the driver side
Kinetic Energy.....	324.7 kip-ft (440.2 kiloJoules)
Minimum Kinetic energy	291 kip-ft (395 kiloJoules)
<b>Exit Conditions</b>	
Exit Velocity.....	12.68 mph (20.41 km/h)
Exit Angle.....	146.3°
Final Vehicle Position.....	44.25 ft. (13.49 m) Toward the Passenger Side
	96.7 ft. (29.47 m) downstream
Exit Box Criteria Met.....	Not Applicable
Vehicle Snagging.....	Satisfactory
Vehicle Pocketing.....	Satisfactory
Vehicle Stability.....	Satisfactory
Maximum Roll Angle.....	-18.6°
Maximum Pitch Angle.....	-18.3°
Maximum Yaw Angle.....	11.4°

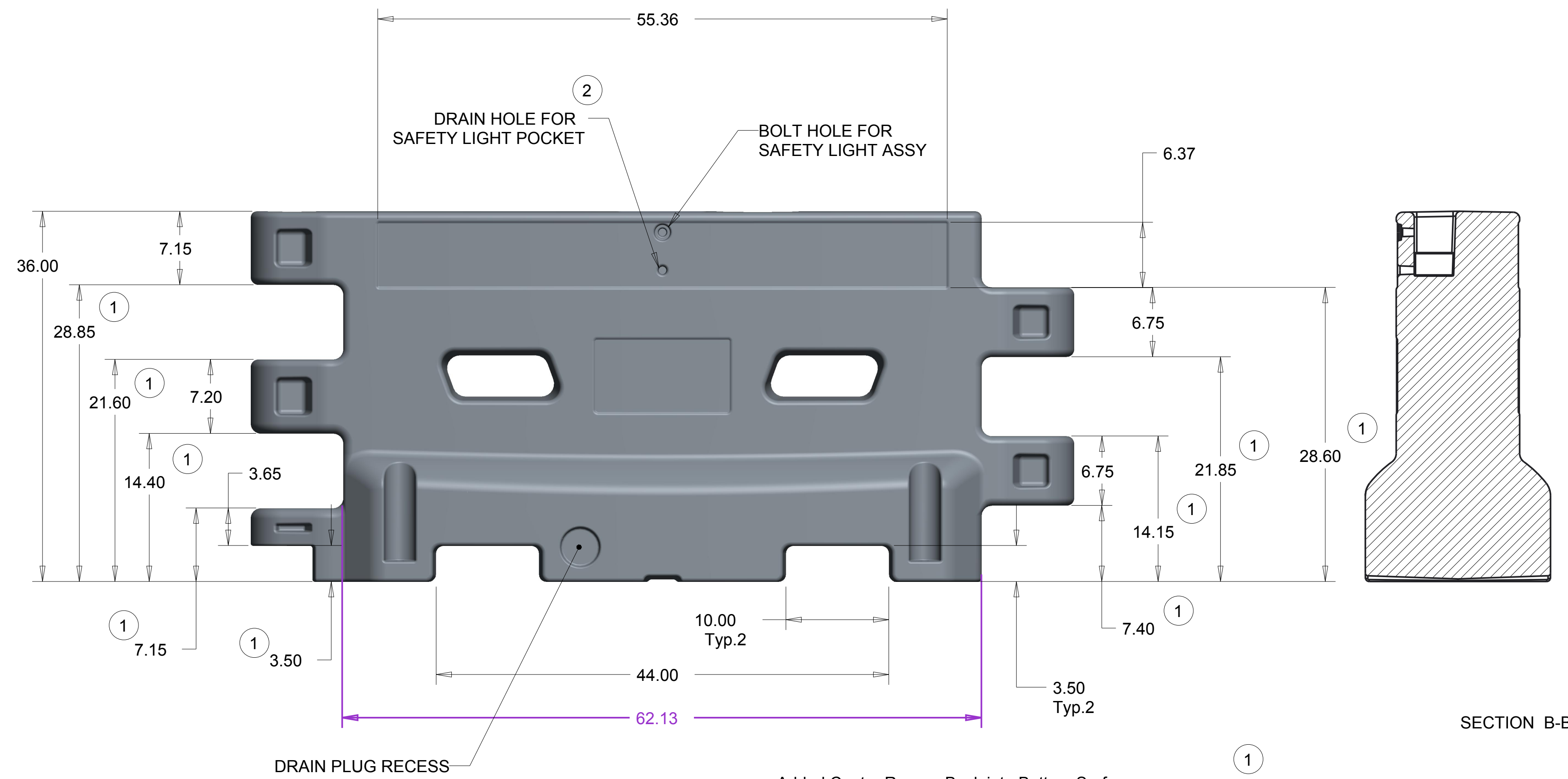
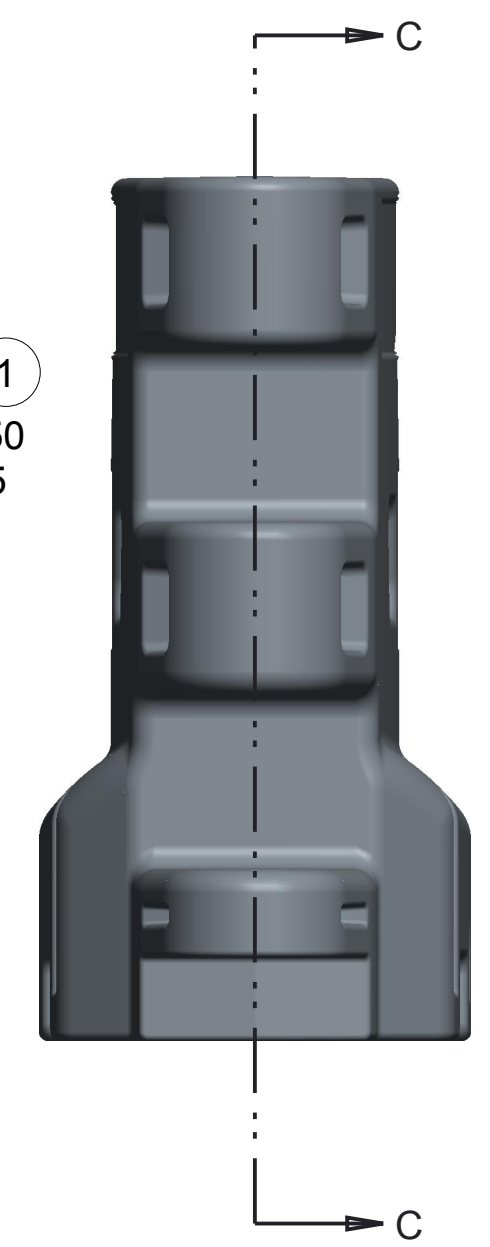
<b>Occupant Risk</b>	
Longitudinal OIV.....	14.4 ft/s (4.4 m/s)
Lateral OIV.....	0.7 ft/s (0.2 m/s)
Longitudinal RA.....	-3.1 g
Lateral RA.....	3.9 g
THIV.....	14.4 ft/s (4.4 m/s)
PHD.....	4.1g
ASI.....	0.56
<b>Test Article Deflections</b>	
Static.....	Not Applicable
Dynamic.....	Not Applicable
Working Width.....	Not Applicable
Debris Field (longitudinal).....	None
Debris Field (lateral).....	None
<b>Vehicle Damage</b>	
Vehicle Damage Scale.....	01-FR-2
CDC.....	01FRLW1
Maximum Intrusion.....	0.0 in. (0.0 mm)

Figure 2 Summary of Test 2-91

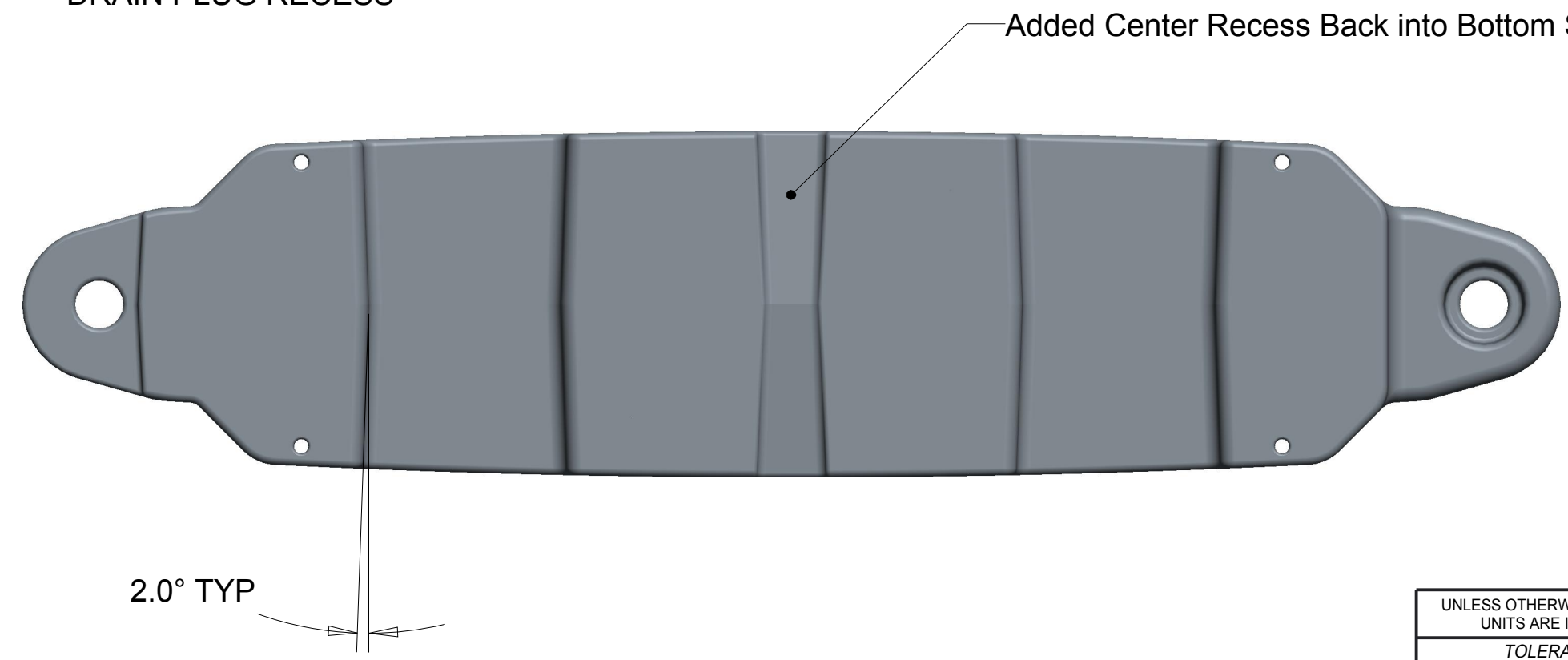
REV	DESCRIPTION	BY	DATE
A	INITIAL RELEASE FOR QUOTE	SDH	4/23/16
0	Revised Core Thru & Added Recesses to Inside Fingers to Strengthen --- RELEASE FOR PATTERN ---	SDH	9/25/16
1	Revisions from Pattern Review	SDH	3/1/17
2	Removed Draft from Inside Fingers Adjusted height of drain hole	SDH	3/9/17



SECTION C-C



SECTION B-B



2.0° TYP

PowerPak Civil & Safety  
225 N Rte 303 Unit 108  
Congers, NY 10920

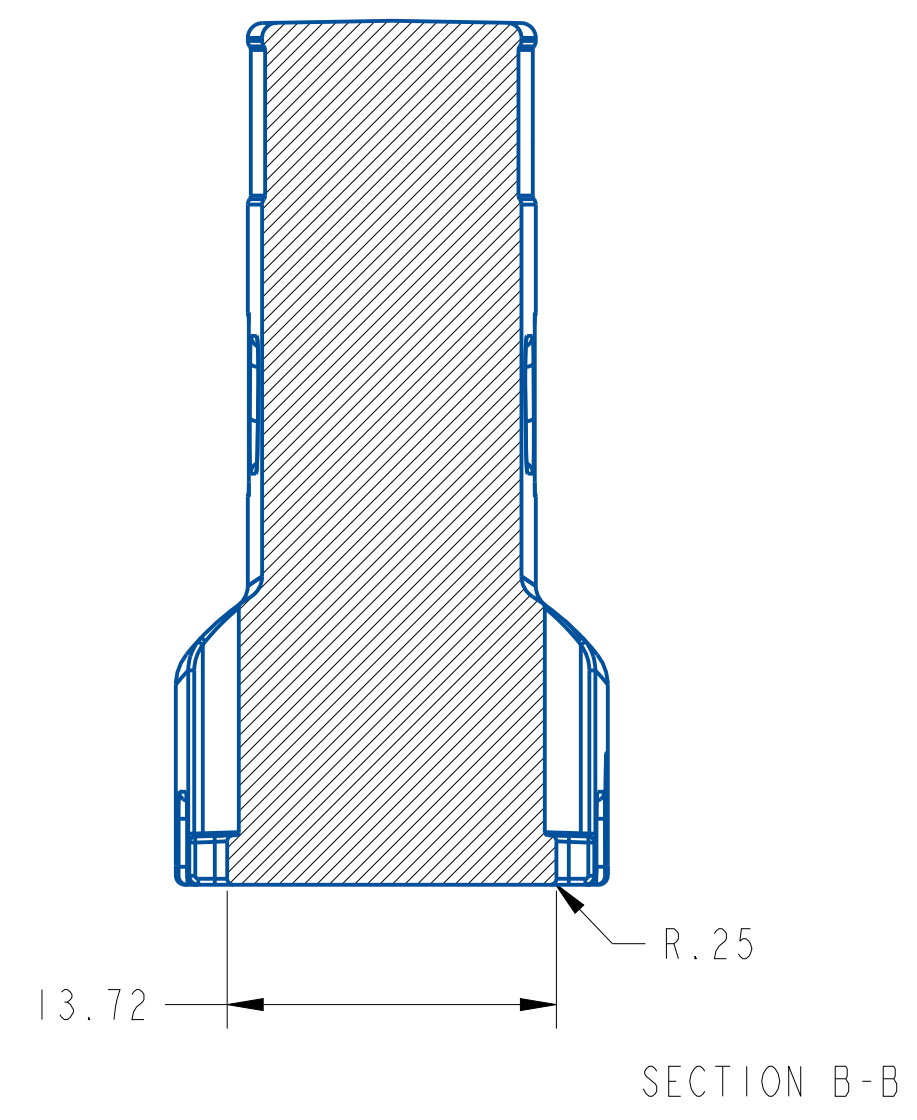
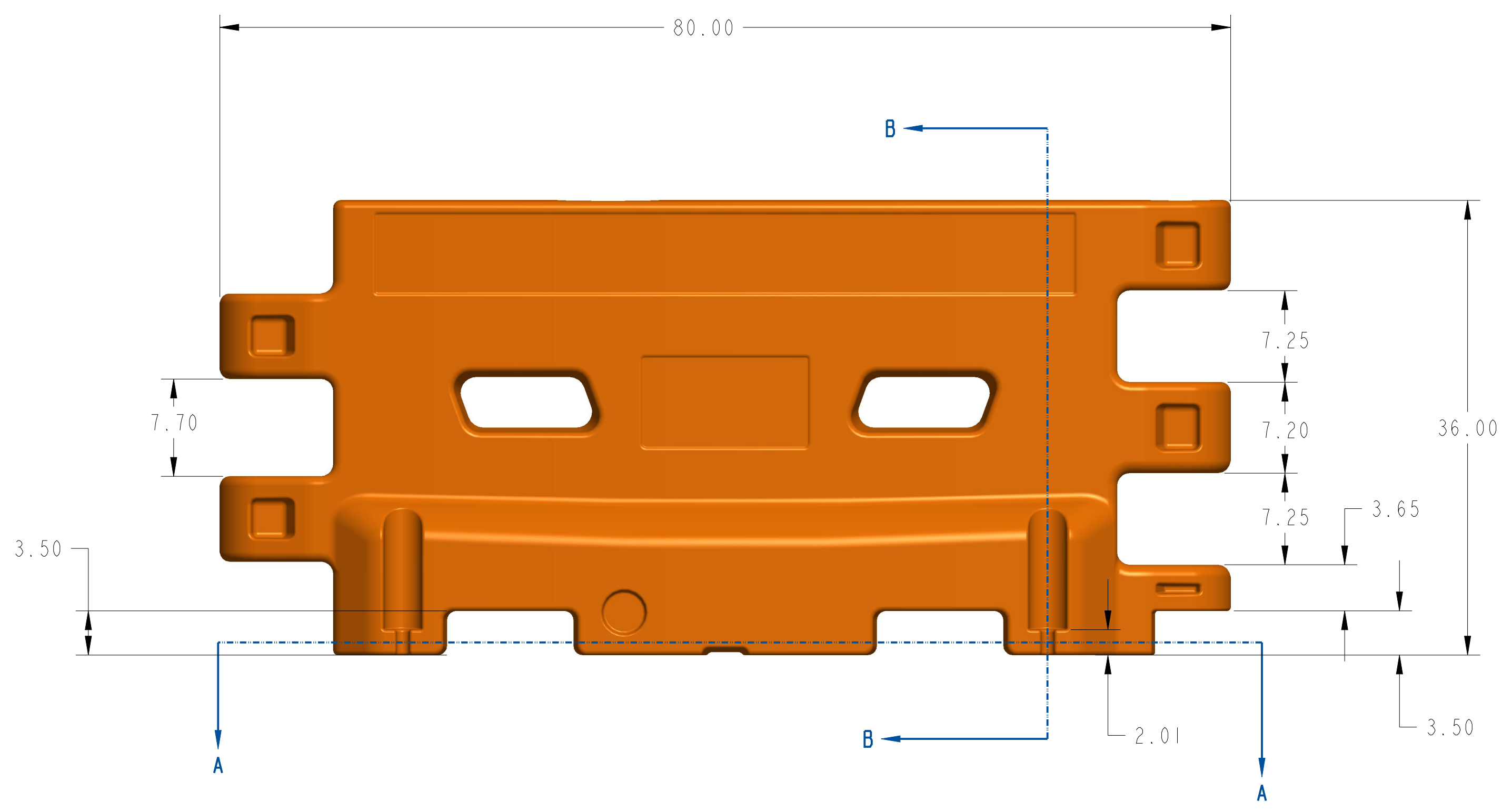
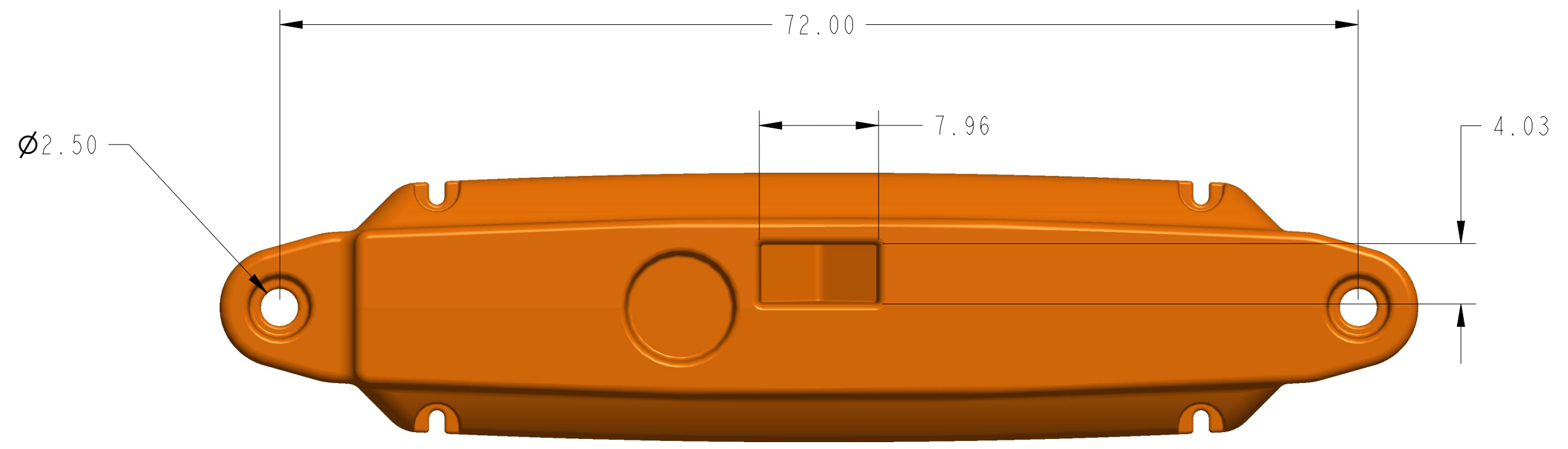
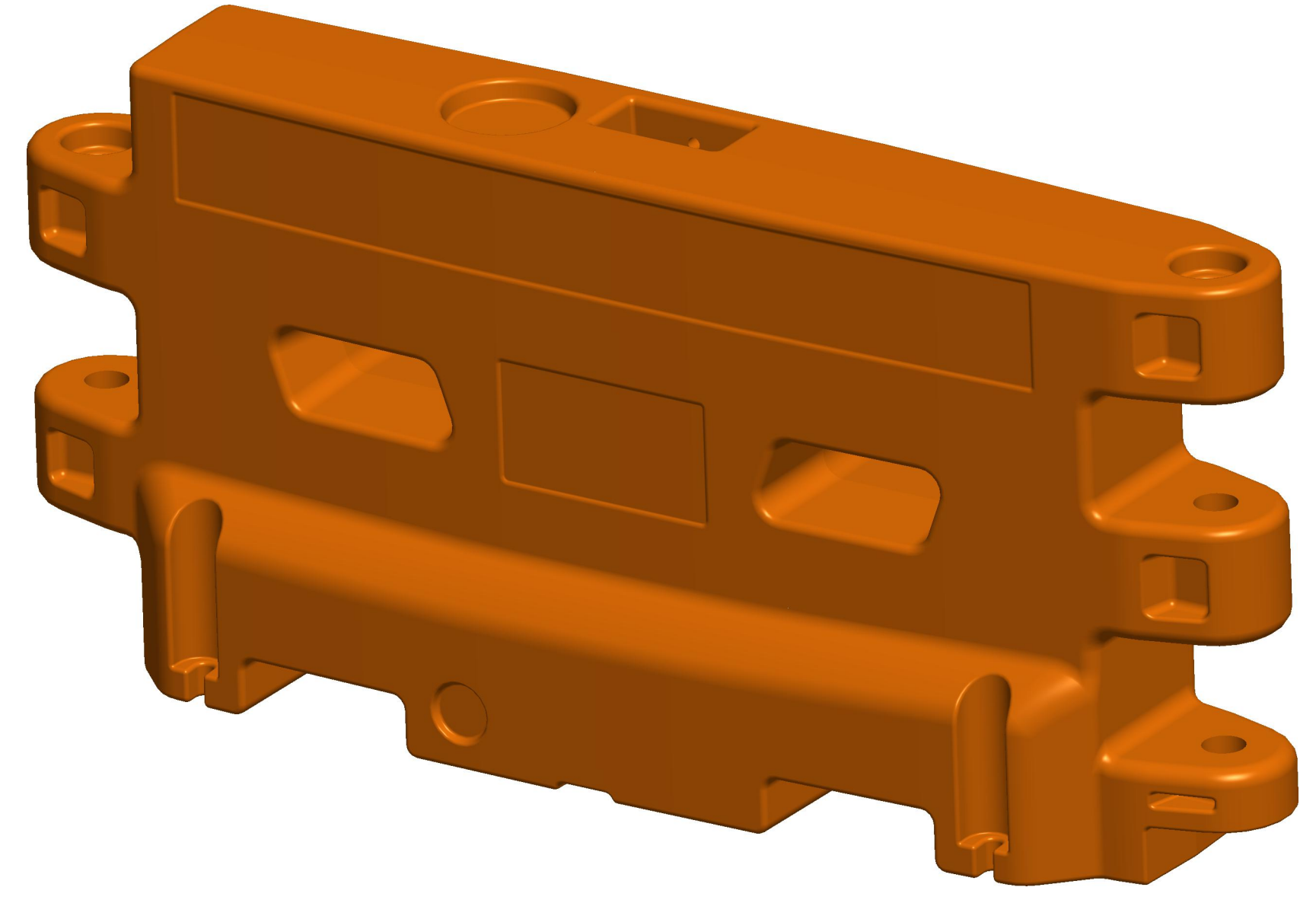
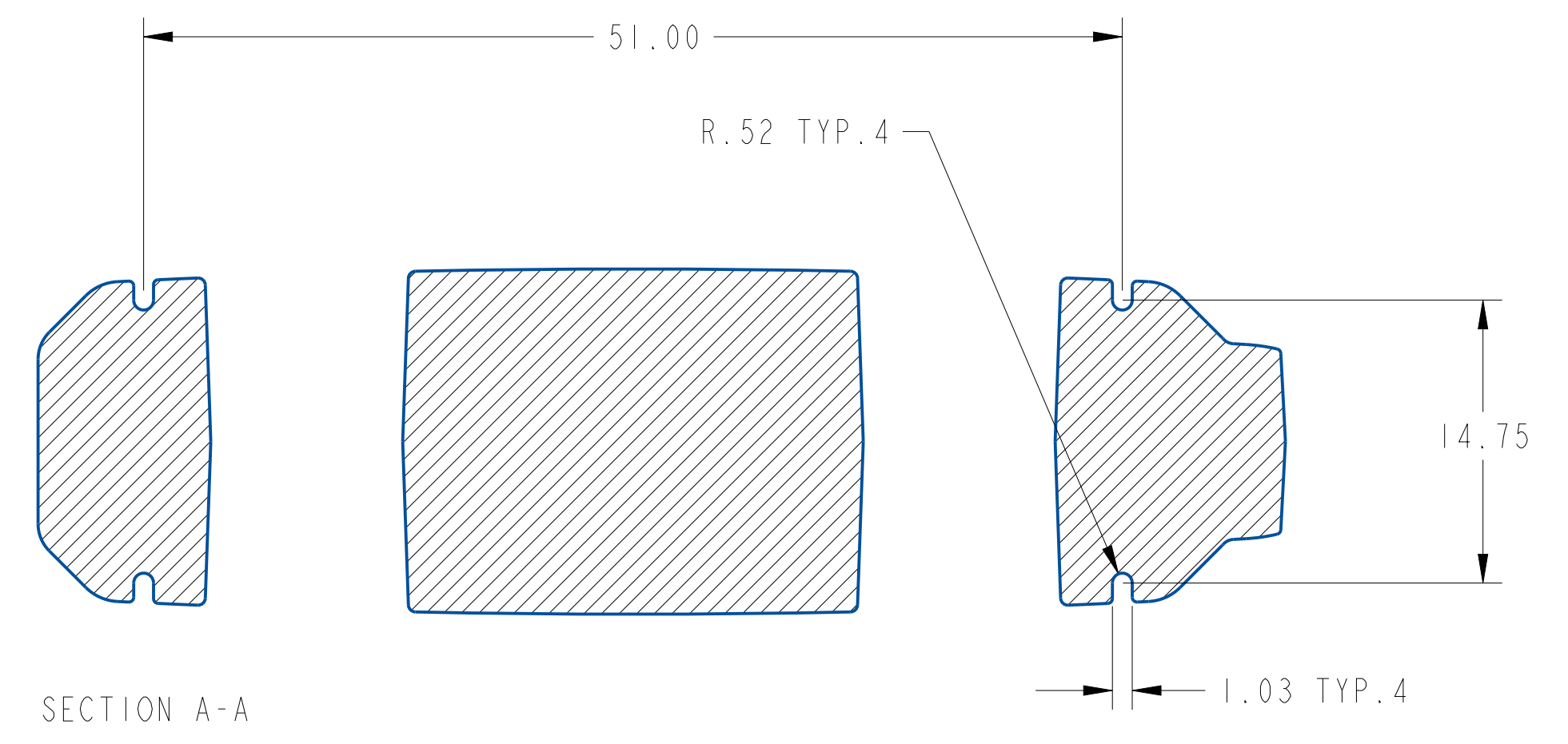
PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE EXCLUSIVE PROPERTY OF POWERPAK CIVIL & SAFETY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POWERPAK CIVIL & SAFETY IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED UNITS ARE IN INCHES
TOLERANCES
FRACTIONS ±1/32
ANGLES ±0.03
XXX ±0.015

PRODUCT: WATER FILLED BARRIER	PART NO: TBD
SCALE: 0.125	FINISH: TBD
TITLE: BARRIER	
DRAWN BY: SHAWN HEIPP	DATE: 9/25/16
APPROVED BY: RUSSELL FAWKES	DATE: 9/28/16
SIZE: D	DWG NO: BARRIER_5FINGER
SHEET 1 OF 2	REV 1

REV	DESCRIPTION	BY	DATE



PROJECT NO: BARRIER		PART NO: BARRIER	
SCALE: 0.125		FINISH: AS NOTED	
TITLE: BARRIER		SHEET 1 OF 1	
DRAWN BY: S. HEIPP		DATE: 4/19/23	APPROVED BY: R. MORNAN
DATE: 4/19/23		DATE: 4/19/23	
SIZE: D	DWG NO: BARRIER	REV: 02	

UNLESS OTHERWISE SPECIFIED UNITS ARE IN INCHES

TOLERANCES

FRACTIONS +/-

ANGLES +/-

XXX +/-

XXX +/-

PROPRIETARY AND CONFIDENTIAL

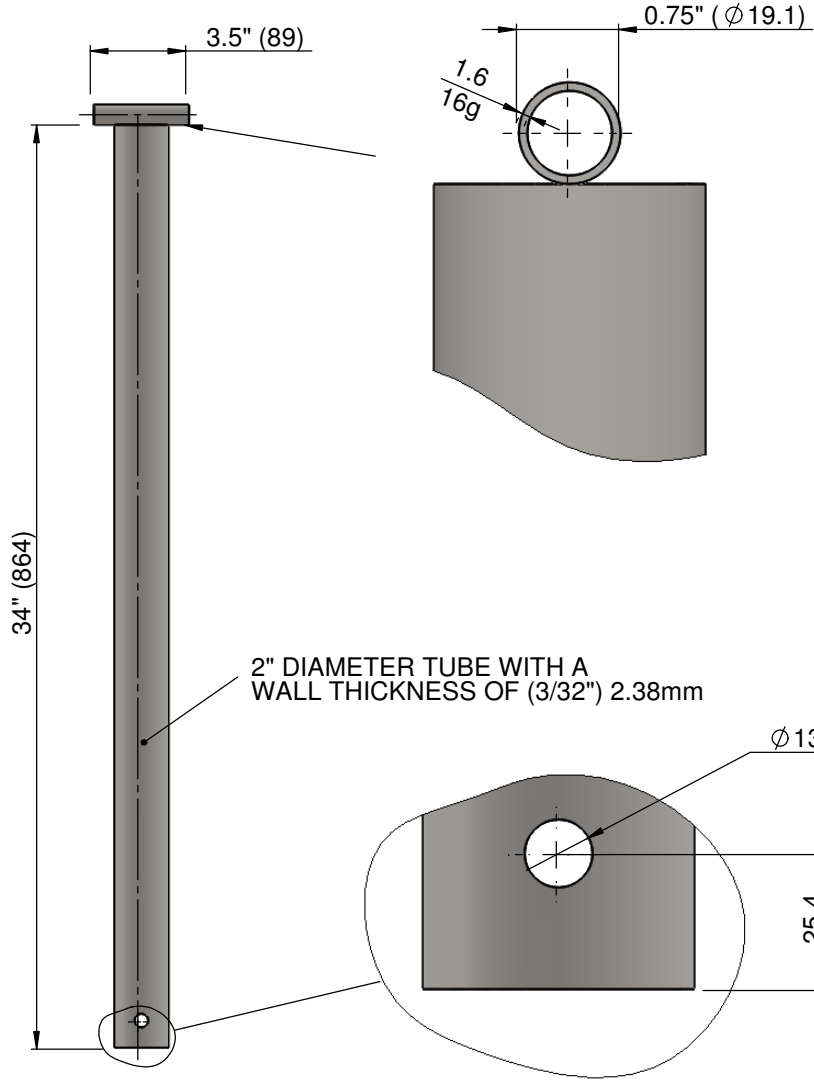
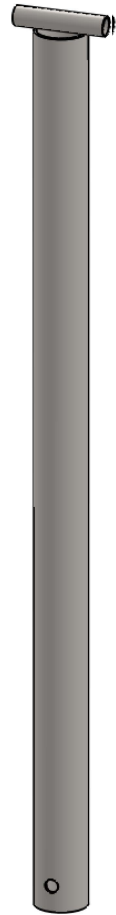
THE INFORMATION CONTAINED IN THIS DRAWING IS THE EXCLUSIVE PROPERTY OF POWERPAK CIVIL & SAFETY ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF POWERPAK CIVIL & SAFETY IS PROHIBITED

POWERPAK CIVIL & SAFETY  
225 N Rte 303 Unit 108  
Congers, NY 10920 USA

1  
ALL DIMENSIONS IN MILLIMETRES  
REMOVE ALL SHARP EDGES

2  
DO NOT JOIN MATERIAL TOGETHER  
TO MAKE INDIVIDUAL ITEMS

8  
THIRD ANGLE PROJECTION  
DO NOT SCALE DRAWING



**PRELIMINARY**

P2	12/8/19	ISSUED FOR COSTING	GC	.	.
P1	9/8/19	ISSUED FOR COSTING	GC	.	.
REV	DATE	DESCRIPTION	DRN	CHKD	APPR

**WEIGHT NOTE:**  
 WEIGHT BEFORE GALVANISING = 2.5 Kg  
 WEIGHT GALVANISED = 2.7 Kg (ASSUMING 6% ADDED)  
 WEIGHT = 6 lbs

TOLERANCES - UNLESS STATED OTHERWISE

FABRICATION	UP TO 300mm	+/- 1mm
	UP TO 1000mm	+/- 2mm
	1001mm & ABOVE	+/- 3mm
MACHINING	ANGULAR	+/- 1°
	GAUGE	+/- 0.2mm
WEIGHT	GAUGE	+/- 10%
	WEIGHT	+/- 10% (DUE TO MATERIAL PROPERTIES & TOLERANCES)

TITLE:

**WFB 3 - LOCKING TUBE SHORT**

NAME	SIGNATURE	DATE
G. CRICK		9/8/19
CHK'D		
FINISH:		
HOT DIPPED GALVANISED		

MATERIAL:  
**CARBON STEEL GRADE S235**

Drw / Stockcode No.

**ZND1375**

Revision

**P2**

THE COMPANY RETAIN THE RIGHT TO PERIODICALLY ALTER INFORMATION WITHIN THIS DRAWING SHEET AND WILL ATTEMPT TO NOTIFY ALL PARTIES CONCERNED OF ANY CHANGES AND THE INFORMATION ON THIS SHEET SHOULD NOT BE REPRODUCED WITHOUT THEIR WRITTEN CONSENT.

WEIGHT: SEE NOTE

SCALE: 1:5

SHEET 5 OF 5

A3

1 ALL DIMENSIONS IN MILLIMETERS  
REMOVE ALL SHARP EDGES

2 DO NOT JOIN MATERIAL TOGETHER  
TO MAKE INDIVIDUAL ITEMS

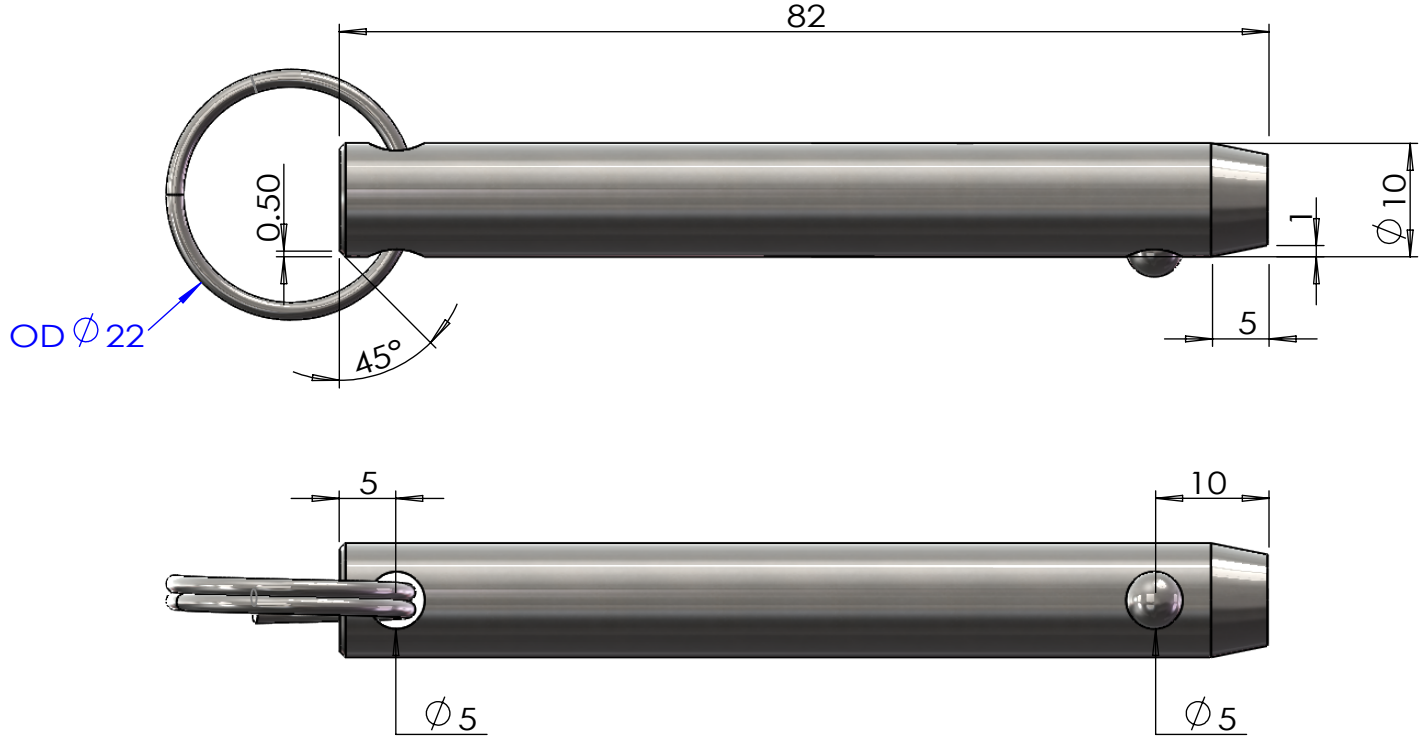
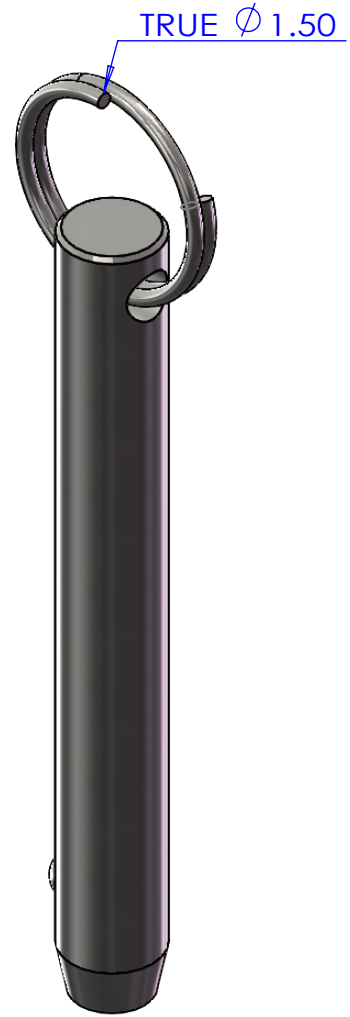
**CUSTOMER DRAWING APPROVAL**

COMPANY NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

6 THIRD ANGLE PROJECTION  
ISOT SCALE DRAWING



REV	DATE	DESCRIPTION	DRN	CHKD	APPR
P1	12/11/20	ISSUED FOR APPROVAL	AZ		

TOLERANCES-UNLESS STATED OTHERWISE	
UNTOLERANCED DIMENSIONS	±0.2mm
CUTTING LENGTHS	±0.2mm
FABRICATION	UP TO 300mm ±0.1mm
	UP TO 1000mm ±0.2mm
	UP TO 1001mm ±0.3mm
	ANGULAR ±1°
MACHING	±0.2mm
GAUGE	±0.10%
WEIGHT	±0.10% (DUE TO MATERIAL PROPERTIES & TOLERANCES)

TITLE: QUICK RELEASE HITCH PIN			
DRAWN	NAME	SIGNATURE	DATE
Adam	Adam		2020/11/12
CHK'D			
FINISH: ELECTRO-PLATE		MATERIAL: CARBON STEEL	

DWG NO.	<b>M10X82 Lg PIN WITH RING</b>	Revision P1
---------	------------------------------------	----------------

THE COMPANY RETAIN THE RIGHT TO PERIODICALLY ALTER INFORMATION WITHIN THIS DRAWING SHEET AND WILL ATTEMPT TO NOTIFY ALL PARTIES CONCERNED OF ANY CHANGES AND THE INFORMATION ON THIS SHEET SHOULD NOT BE REPRODUCED WITHOUT THEIR WRITTEN CONSENT.