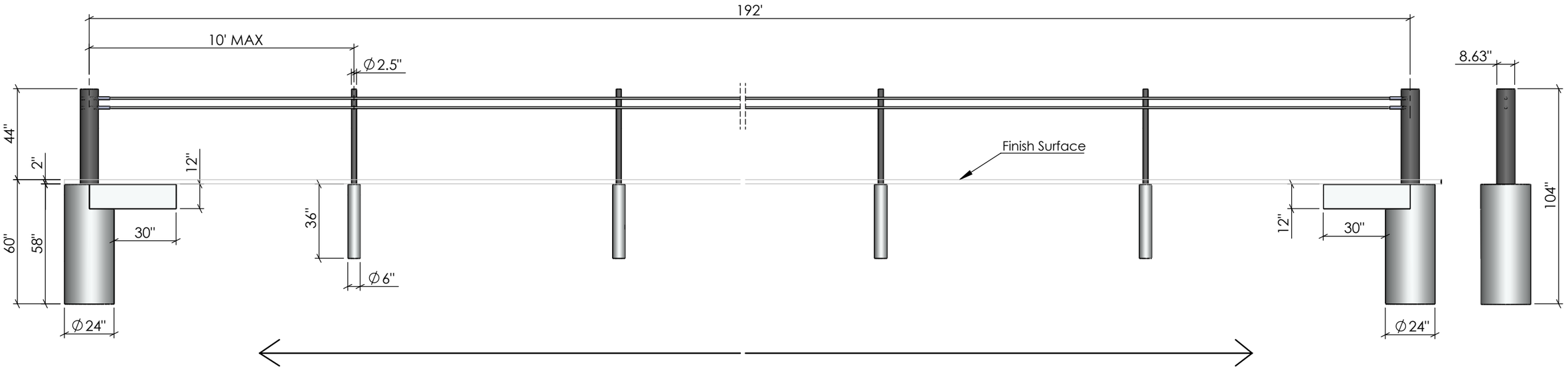
CABLE FENCE

CRASH RATING (M30/P2)

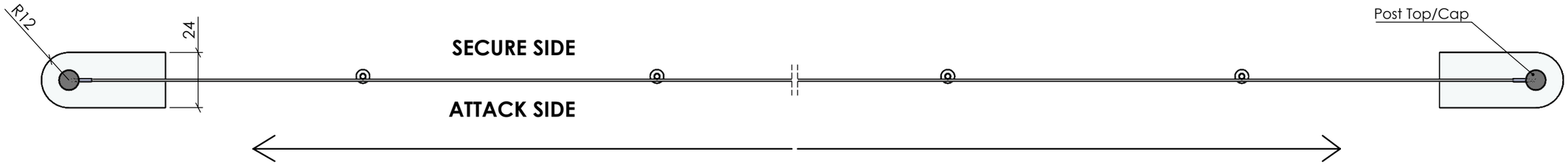
(15,000 LBS TRUCKS @ 30 MPH)

ATLAS
SECURITY PRODUCTS INC
AtlasBarriers.com
866-47-ATLAS
866-472-8527

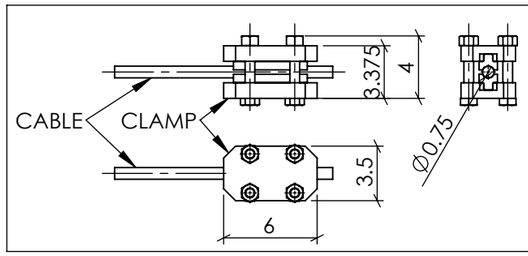


FRONT VIEW

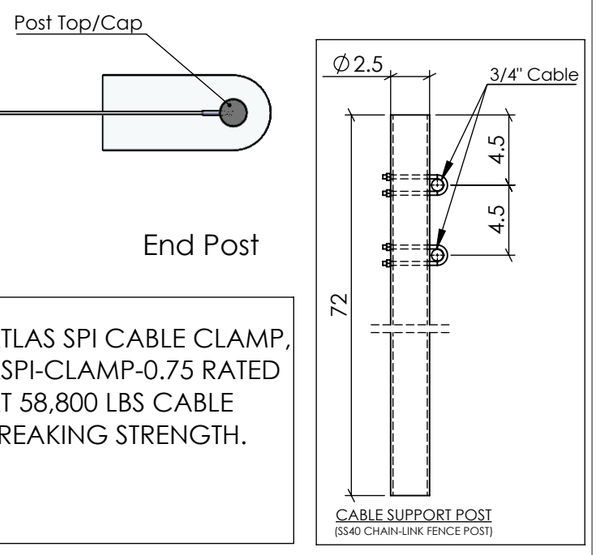
SIDE VIEW



TOP VIEW



ATLAS SPI CABLE CLAMP, ASPI-CLAMP-0.75 RATED AT 58,800 LBS CABLE BREAKING STRENGTH.



NOTES

1) ALL MATERIALS (POST, CABLES AND TERMINATION HARDWARE) WILL BE PROVIDED BY ATLAS, REINFORCEMENT BARS AND CONCRETE PROVIDED BY OTHER.

2) THE CONCRETE SHALL BE MINIMUM OF 4000 PSI, POST SHALL BE FILLED WITH 30" OF CONCRETE (STOP 3" FROM BOTTOM CABLE HOLE).

3) ALL REBAR SHALL HAVE A MINIMUM OF 2" CONCRETE COVER, SEE REBAR DRAWINGS.

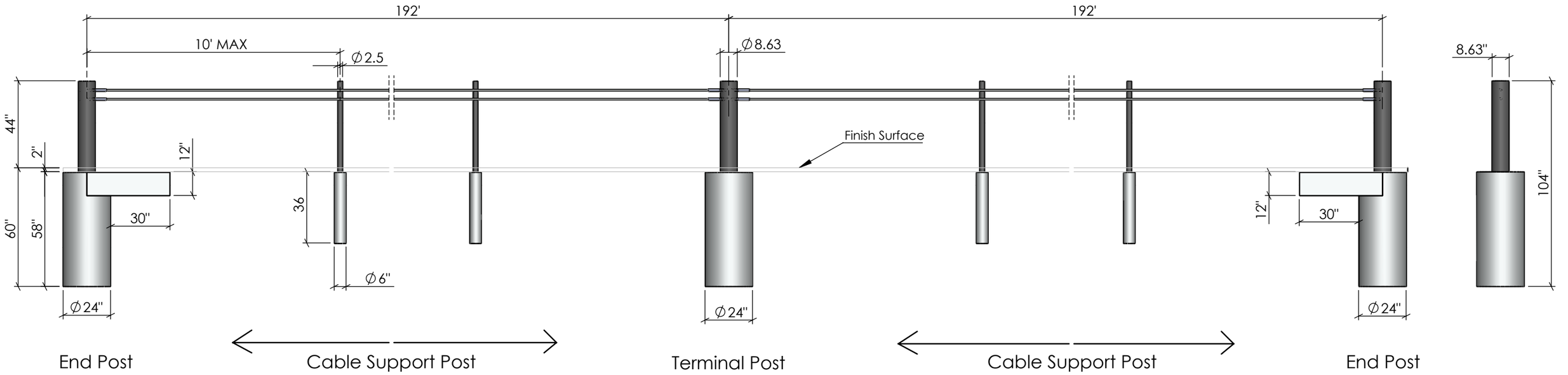
4) ATLAS SECURITY PRODUCTS INC'S CABLE CLAMP, ASPI CLAMP-0.75 SHALL BE USE FOR TERMINATION OF CABLE IN THE END AND TERMINAL POSTS. CABLE CLAMP BOLTS SHALL BE TIGHTENED TO 230 FOOT-POUNDS TORQUE.

5) U-BOLTS SHALL BE TIGHTENED UNTIL CABLES CAN NOT BE HAND PULLED THRU THE CABLE SUPPORT POST U- BOLTS, MAXIMUM TORQUE SHALL NOT EXCEED 10 FOOT-POUNDS.

ATLAS SECURITY PRODUCTS INC.

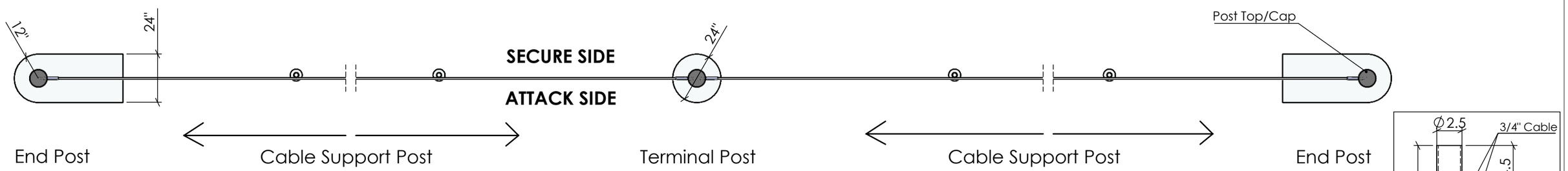
ATLASBARRIERS.COM P.O. BOX 59423, ROCKVILLE, MD 20859 PH#: 866- 47-ATLAS

NAME OF CLIENT				
PROJECT / MACHINE				
	NAME	DATE	REF DRG NO :	
D R N		05-01-2021	TITLE : CONSTRUCTION DRAWING FOR M30/P2 POST AND CABLE FENCE	SIZE
C H K D				A- 3
A P P D				
W O N O	UNIT	SCALE	DRG NO : ASPI-CFC-M30P2	REV. NO
	INCHES	NTS		

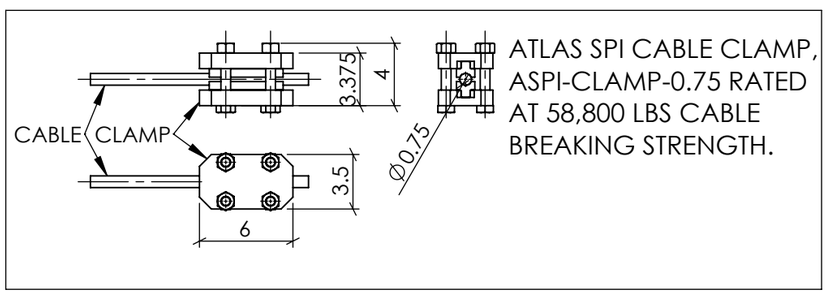


FRONT VIEW

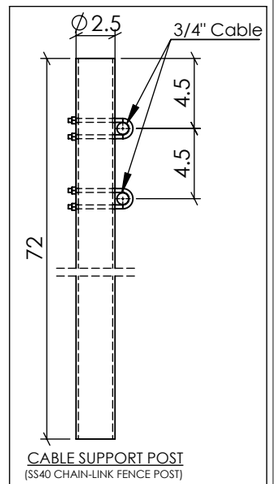
SIDE VIEW



TOP VIEW



ATLAS SPI CABLE CLAMP, ASPI-CLAMP-0.75 RATED AT 58,800 LBS CABLE BREAKING STRENGTH.



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ATLAS SECURITY PRODUCTS INC.

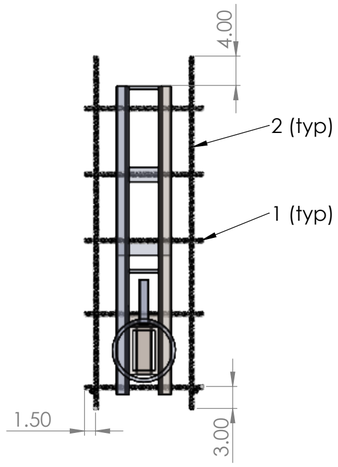
ATLASBARRIERS.COM P.O. BOX 59423, ROCKVILLE, MD 20859 PH#: 866- 47-ATLAS

NAME OF CLIENT				
PROJECT / MACHINE				
	NAME	DATE	REF DRG NO :	
D R N		05-01-2021	TITLE : CONSTRUCTION DRAWING FOR M30/P2 POST AND CABLE FENCE	SIZE
C H K D				A- 3
A P P D				
W O N O	UNIT	SCALE	DRG NO : ASPI-CFC-M30P2	REV. NO
	INCHES	NTS		

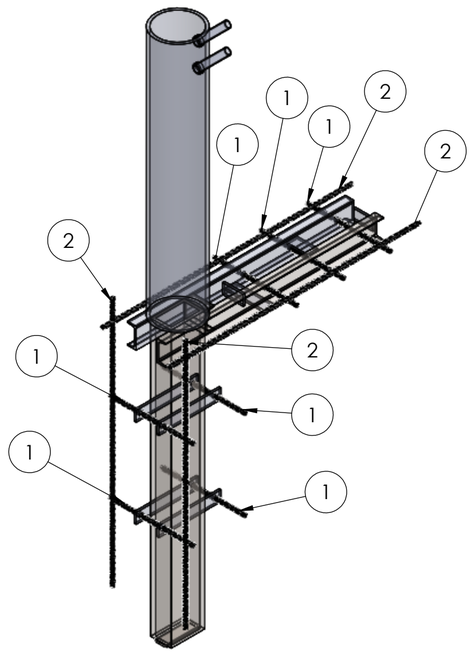
POST A & B LEFT AND RIGHT HAND POSTS

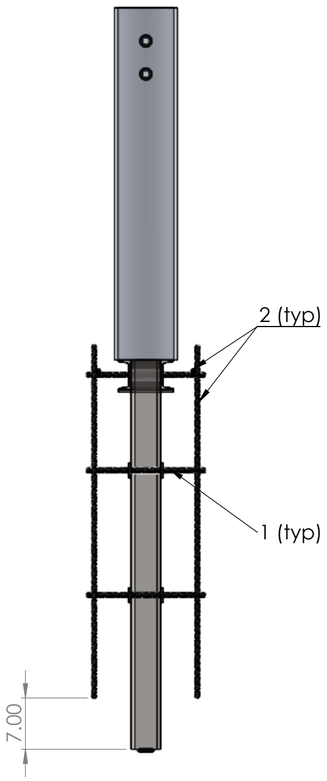
ALL REBAR SHALL HAVE A MINUMUM OF 2" CONCRETE COVER.
MATERIAL: STEEL REINFORCEMENT- ASTM A615 GRADE 60

GROUP	SIZE	QTY	SHAPE
1	#4 (∅0.5")	7	
2	#4 (∅0.5")	4	

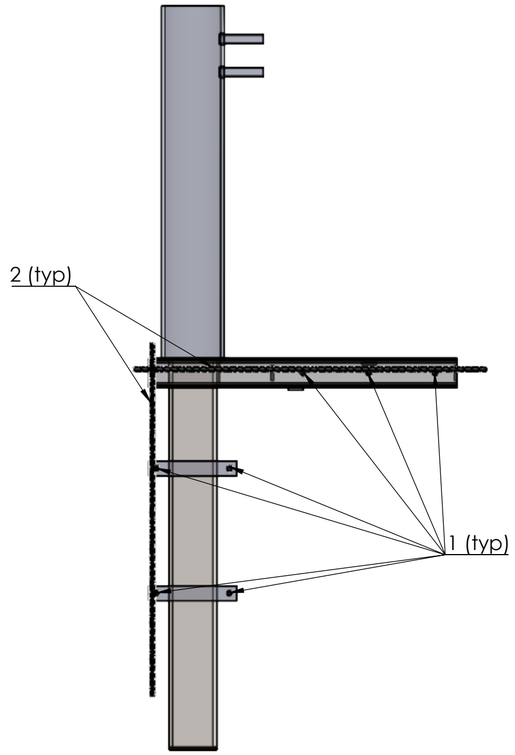


TOP VIEW





SIDE VIEW



FRONT VIEW

4455 Genesee Street, Buffalo, New York 14225 | *Phone:* 716.632.7500 | *Fax:* 716.631.6969 | www.calspan.com

Calspan Test No.:	BR0036
Test Standard:	ASTM F2656-20
Impact Condition Designation:	M30
Client:	Atlas Security Products
Model:	M30 192’ Cable Fence
Product Rating:	M30 – P2

December 29, 2020

To whom it may concern:

This letter is to certify that the subject barrier, the model M30 192’ Cable Fence provided by Atlas Security Products, was tested to the requirements of the ASTM standard F2656-20, with M30 impact condition designation. This was the standardized Test Method for Vehicle Crash Testing of Perimeter Barriers, at the time the barrier test was performed.

The test was performed at Calspan Corporation, on December 18, 2020, for Atlas Security Products. The Atlas Security Products, model M30 192’ Cable Fence was impacted by a medium duty truck, weighing 6,813 kg (15,015lbs.) travelling at 47.8kph (29.7mph). Post-test measurements of the dynamic movement of the test vehicle’s payload (truck bed) show that the left and right, leading edge of the truck bed, were stopped at 4.308 meters and 4.054 meters respectively, after the leading edge (reference line) of the impacted cable barrier. As such, based on the test vehicle mass, impact velocity and penetration into the protected zone, the barrier rating per the ASTM standard F2656-20, is M30 – P2.

Calspan is accredited to ISO/IEC 17025:2017 to perform ASTM F2656-20 testing by Perry Johnson Laboratories Accreditation, Inc. (PJLA) under Certificate Number L18-546-R2 and Accreditation Number 76654.

Respectfully,

David Casey

David Casey

Test Director

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA, NE 68102-4901

February 10, 2022

Protective Design Center

Atlas Security Products
PO Box 59423
Rockville, MD 20859

Dear Atlas Security Products:

The Protective Design Center received the submitted test report for M30 P2 Atlas Security Products 192' Post and Cable Fence barrier from Calspan Corporation (ASTM F2656-20, test number BR0036, test date December 18, 2020, and report date August 30, 2021) and determined the report meets test standard ASTM F2656-20, *Standard Test Method for Vehicle Crash testing of Perimeter Barriers.* The Protective Design Center will add the barrier to the Department of Defense Anti-Ram Vehicle Barrier List prior to the end of March 2022.

The acceptance of the submitted test report only indicates that the test report met the criteria specified in ASTM F2656. Acceptance is neither an endorsement of the barrier nor a guarantee that the barrier will be in any Department of Defense project.

The Protective Design Center maintains the Department of Defense Anti-Ram Vehicle Barrier List and makes it publicly available at https://www.nwo.usace.army.mil/About/Centers-of-Expertise/Protective-Design-Center/PDC-Library/.

The Protective Design Center treats all submitted test reports as proprietary information and safeguards them from public disclosure.

Thank you for your interest and endeavors in protecting our personnel and facilities worldwide. If you have any questions, you may contact Mr. Brian Erickson at (402) 995-2394, or via email at brian.w.erickson@usace.army.mil; or Ms. Ann Mittelsdorf at (402) 995-2930, or via email at ann.m.mittelsdorf@usace.army.mil.

Sincerely,

Curt P. Betts, P.E.
Chief, Protective Design Center

cc:
Mr. David Casey
Calspan Corporation
4455 Genesee Street
Buffalo, NY 14225