QAI LABORATORIES
CERTIFICATION TESTING INSPECTION

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CLIENT: Access Fabricators Corporation
4420 Old Dixie Highway
Vero Beach, FL 32967

Project No: MED-0151	**Report Date:** January 18, 2023

SAMPLE ID: Utility Box Lid

SAMPLE DESCRIPTION: 2'-3" (27") by 3'-2 1/2" (38 1/2") by 2'-0" (24") high

SAMPLING DETAIL: The test sample manufactured by Access Fabricators Corporation was submitted directly to QAI by the client. Samples were not independently selected for testing.

DATE OF RECEIPT: Samples were received at the QAI Miami Laboratory on December 15, 2022.

TESTING PERIOD: January 10, 2023.

TESTING LOCATION: QAI Laboratory (QAI) – Miami, Florida, USA

AUTHORIZATION: Proposal 22AM12161, signed by Marvin Lopez, dated December 16, 2022.

TEST PROCEDURE: Testing to the following requirements:

- Society of Cable Telecommunications Engineers ANSI/SCTE- Tier 22

TEST RESULTS: The Utility Box Lid achieved passing results found on pages 4-5 of this test report when tested in accordance with the Society of Cable Telecommunications Engineers ANSI/SCTE 2010- Tier 22

CONTENTS: Test report pages 1 through 5.

Prepared By

Lusinda Delgado

Lusinda Delgado
Technical Report Writer

Signed for and on behalf of QAI Laboratory

Jose Sanchez

Jose Sanchez
Operation Manager

Table of Contents	Page	Rev
Sample A-1		
Description of Test Sample	3	
Test Method	3	
Application	3	
Results Sample A-1		
Vertical Design Load Test	4	
Vertical Design Load Test	5	
Notes Table	5	
Revision Table	5	

DESCRIPTION OF SAMPLE	
Model Designation:	Utility Box Lid
Overall Size:	2'-3" (27") by 3'-2 1/2" (38 1/2") by 2'-0" (24") high
Number of Lids:	One

Test Methods:

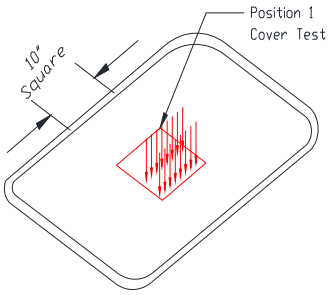
7.3 COVER VERTICAL LOAD TEST. For TIER 22, distribute the vertical load over a 10" by 20" area. Apply the load with a 10" by 20" by 1" thick steel load plate backed with a 1/2" thick rubber shim. The loading pad is centered over the portion of the cover which will produce the maximum deflection under load. Deflection measurements are taken perpendicular to the lid and wherever maximum deflection occurs. A deflection measuring device or devices is positioned so as to measure only the deflection of the cover. The Design Load must be cycled ten times. The specimen is then loaded to the test load, or failure, whichever occurs first.

7.4 LOADING ACCEPTANCE CRITERIA. Failure of any enclosure component shall not occur at less than the tabulated test load based on the test conducted and the application. The maximum deflection at the indicated Design Load is 0.5 inch for vertical tests and 0.25 inches per foot of average wall length for lateral tests.

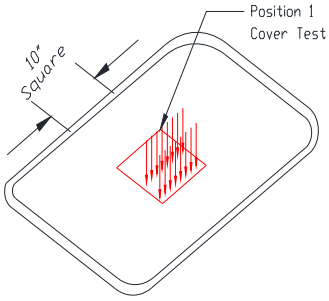
APPLICATION	LOADING REQUIREMENTS			
Tier 22 Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic	Vertical	Design Load Test Load	100.1 kN 150.1 kN	22500 pounds 33750 pounds

Test Type – Cover Vertical Load Test	
Vertical Design Load Test	**22,500 pounds**

Test Phase	Deflection at Center of Sample	Test Results
1	0.058"	Passed
2	0.062"	Passed
3	0.062"	Passed
4	0.065"	Passed
5	0.068"	Passed
6	0.069"	Passed
7	0.070"	Passed
8	0.074"	Passed
9	0.075"	Passed
10	0.075"	Passed



Test Type – Cover Vertical Load Test		
Vertical Design Load Test	**33,750 pounds**	
Test Phase	Deflection at Center of Sample	Test Results
1	0.128"	Passed

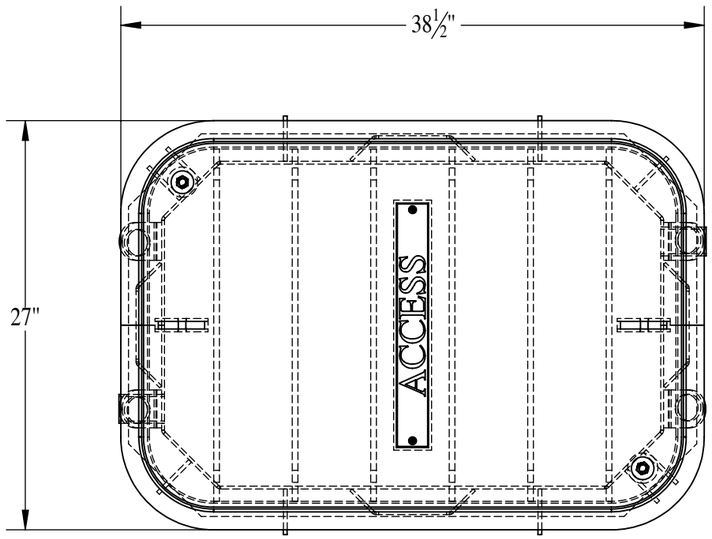


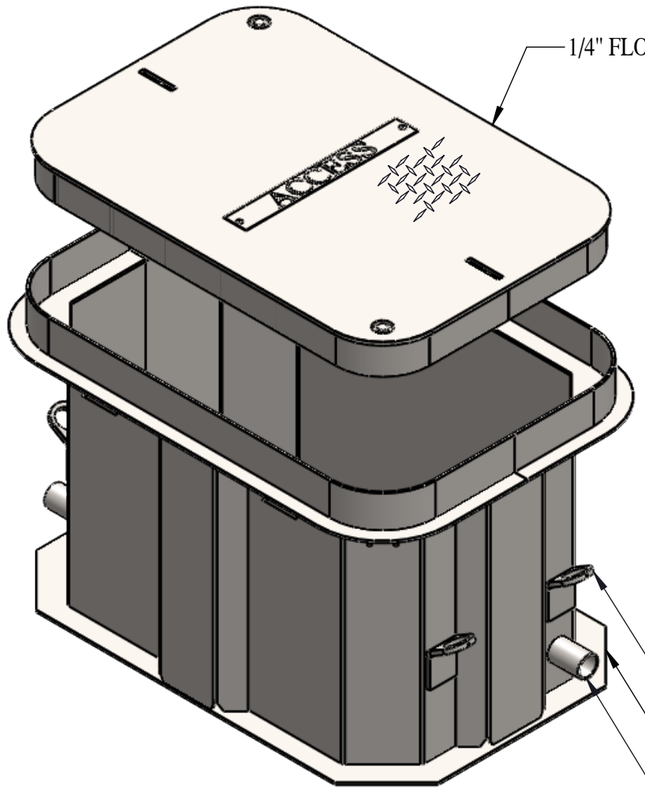
Notes
* Designates measurements by laboratory ** as per manufacturer QAI does not have, nor does it intend to acquire or will acquire, a financial interest in any company manufacturing or distributing products tested or labeled by QAI. QAI is not owned, operated or controlled by any company manufacturing or distributing products it tests or labels. Drawings referenced in this document are an integral part of this report, therefore, are required when distributing this test report. Test results obtained represent the actual value of the tested specimens and do not constitute opinion, endorsement, or certification by this laboratory.

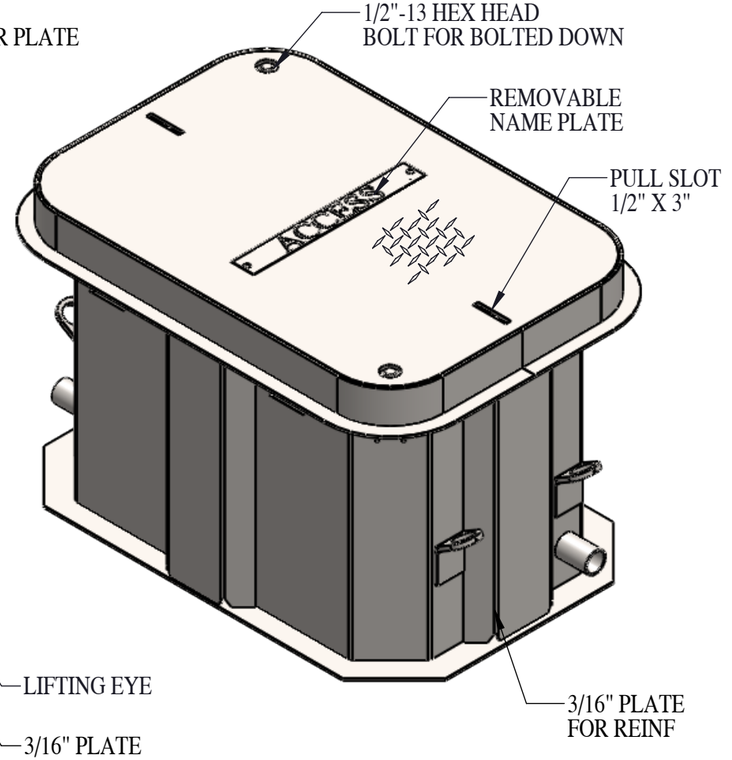
REVISION HISTORY:

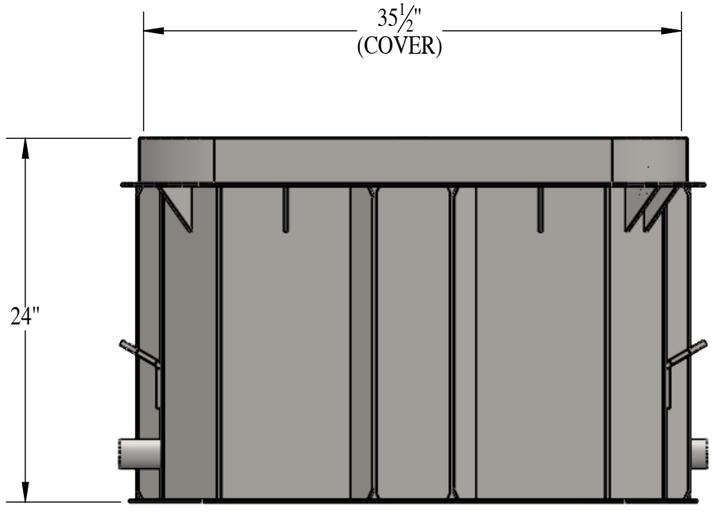
1/18/2023: Initial report release

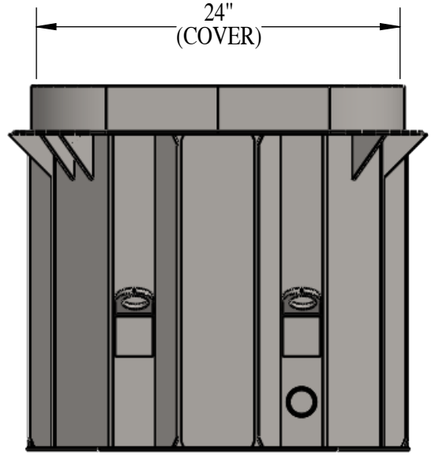
*********END REPORT*********











QAI	QAI LABORATORY
	LABORATORY NUMBER: 13344
	DATE: 1/18/2023
	DRAWINGS VERIFIED BY: LD

NOTES:
1-MATERIAL: STEEL, GALVANIZED FINISH
2-LOADING TIER 22: COVER DESIGNED FOR H-22 WHEEL LOADS
3-316 STAINLESS STEEL NUTS & BOLTS
4-APPROXIMATE WEIGHT: 400 LBS

No	REV	DESCRIPTION			DATE	SCALE	SHEET	DESIGNED
2425	0	VAULT DETAIL	ACCESS FABRICATORS	ACCESS FABRICATORS	04/28/22	1-12	1-1	L FI