



TAL Requisition

T - 702232

Printed: 12/21/2021

Title: Turf Reed Wall and Trellis NRC Testing

Submitted: 12-20-21

Originator: Andrew N. Trostle

Purpose: GENERAL

Report Number:

Accounting Code: amf114

Status: Complete

Delivery Point: TAL Receiving (B5)

Expected Arrival: 12-17-21

Estimated Cost: \$577.12

Special Instructions: photos of installations attached. al5 tests removed from trellis as exact dimensions were not determined in order to calculate a psf at this time. ANT 12/21/2021

Copies: Zachary Bock

Tests

1 NRC: A,D, and E mounts. (AL10a) - ACOUSTICS

Det: 1

TM 417 R.2

Status: Authorized

Disposition: DISCARD

Est Comp Date: 12-28-21

Completed Date: 12-21-21

Assigned Operator: James Rineer

Modifications:

Mounting: E-400

2 NRC: A,D, and E mounts. (AL10a) - ACOUSTICS

Det: 1

TM 417 R.2

Status: Authorized

Disposition: DISCARD

Est Comp Date: 12-28-21

Completed Date: 12-21-21

Assigned Operator: James Rineer

Modifications:

Mounting: A

3 Acoustic Thickness and PSF (AL5) - ACOUSTICS

Det: 1

Status: Authorized

Disposition:

Est Comp Date: 12-28-21

Completed Date: 12-21-21

Assigned Operator: James Rineer

Modifications:

Materials

905042	Reed Wall	FINISHED Product	Standard Production	(20,050)
none	NO SPECIFICATION	12/01/2021	Shipped: 4 PIECE	
	Status: Complete			
	Edge:	Grid:	24X96	Thickness:
	Tests: 2, 3			
905043	Cushion Reed Wall	FINISHED Product	Standard Production	(20,051)
none	NO SPECIFICATION	12/01/2021	Shipped: 4 PIECE	
	Status: Complete			
	Edge:	Grid:	24X96	Thickness:
	Tests: 2, 3			
905044	Trellis - Uncapped	FINISHED Product	Standard Production	(20,052)
none	NO SPECIFICATION	12/01/2021	Shipped: 1 BUNDLE	
	Status: Complete			
	Edge:	Grid:		Thickness:
	Description: Assemble trellis as per directions included without caps.			
	Tests: 1			
905045	Trellis - Capped	FINISHED Product	Standard Production	(20,053)
none	NO SPECIFICATION	12/01/2021	Shipped: 1 BUNDLE	
	Status: Complete			



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Date Issued: 21-Dec-2021

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Edge:

Grid:

Thickness:

Description: Assemble trellis as per directions included with caps.

Tests: 1

NRC - Reverberation Room Sound Absorption - AL10 (TM417)

Modification:

Sample ID: Reed Wall

Lot: 905042

Determination:

Item: none**Plant:****Pattern:** NO SPECIFICATION

Description:

Size: 24 x 96

Edge Detail:

Produced: 12/01/2021

Grid:

A Number: 138304

Mounting: A

Operator: JRINEER

Test Date: 12/21/2021

<u>Frequency</u>	<u>Alpha</u>
100	0.11
125	0.14
160	0.21
200	0.26
250	0.44
315	0.60
400	0.76
500	0.90
630	1.03
800	1.11
1000	1.12
1250	1.11
1600	1.13
2000	1.08
2500	1.03
3150	1.00
4000	1.02
5000	1.08
NRC:	0.90
SAA:	0.88
FFA:	0.886
Label:	

*Definition of Unit:A unit is defined as a section of the total specimen that is bounded by free space .

Comments:

NRC - Reverberation Room Sound Absorption - AL10 (TM417)

Modification:

Sample ID: Cushion Reec

Lot: 905043

Determination:

Item: none**Plant:****Pattern:** NO SPECIFICATION

Description:

Size: 24 x 96

Edge Detail:

Produced: 12/01/2021

Grid:

A Number: 138300

Mounting: A

Operator: JRINEER

Test Date: 12/21/2021

<u>Frequency</u>	<u>Alpha</u>
100	0.07
125	0.07
160	0.12
200	0.17
250	0.33
315	0.45
400	0.59
500	0.79
630	0.93
800	1.03
1000	1.08
1250	1.10
1600	1.09
2000	1.04
2500	1.03
3150	1.01
4000	1.03
5000	1.05
NRC:	0.80
SAA:	0.80
FFA:	0.807
Label:	

*Definition of Unit:A unit is defined as a section of the total specimen that is bounded by free space .

Comments:

NRC - Reverberation Room Sound Absorption - AL10 (TM417)

Modification:

Sample ID: Trellis - Unca

Lot: 905044

Determination:

Item: none**Plant:****Pattern:** NO SPECIFICATION

Description: Assemble trellis as per directions included without caps.

Size:

Edge Detail:

Produced: 12/01/2021

Grid:

A Number: 138312

Mounting: E-400

Operator: JRINEER

Test Date: 12/21/2021

<u>Frequency</u>	<u>Alpha</u>
100	0.34
125	0.41
160	0.54
200	0.55
250	0.50
315	0.46
400	0.37
500	0.40
630	0.62
800	0.66
1000	0.66
1250	0.71
1600	0.77
2000	0.77
2500	0.82
3150	0.83
4000	0.86
5000	0.88
NRC:	0.60
SAA:	0.61
FFA:	0.582
Label:	

*Definition of Unit:A unit is defined as a section of the total specimen that is bounded by free space .

Comments:

NRC - Reverberation Room Sound Absorption - AL10 (TM417)

Modification:

Sample ID: Trellis - Capri

Lot: 905045

Determination:

Item: none**Plant:****Pattern:** NO SPECIFICATION

Description: Assemble trellis as per directions included with caps.

Size:

Edge Detail:

Produced: 12/01/2021

Grid:

A Number: 138308

Mounting: E-400

Operator: JRINEER

Test Date: 12/21/2021

<u>Frequency</u>	<u>Alpha</u>
100	0.52
125	0.73
160	0.96
200	1.03
250	0.95
315	0.99
400	0.96
500	0.89
630	0.86
800	0.93
1000	0.98
1250	0.91
1600	0.97
2000	0.97
2500	1.05
3150	1.05
4000	1.08
5000	1.09
NRC:	0.95
SAA:	0.96
FFA:	0.950
Label:	

*Definition of Unit: A unit is defined as a section of the total specimen that is bounded by free space .

Comments:

Memo Report: T-702232

Acoustic Thickness and PSF (AL5)

Sample ID: Reed Wall
Lot Number: 905042

	Gauge (inches)	PSF (lb/sqft)
1	2.125	0.90

Sample ID: Cushion Reed Wall
Lot Number: 905043

	Gauge (inches)	PSF (lb/sqft)
1	1.875	1.00





