



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0902

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Carrier Corporation

Manufacturer's Technical Representative: Hamza Hakimi

Mailing Address: 1201 Kinne Street, East Syracuse, NY 13057

Telephone: (315) 378-7584

Email: hamza.hakimi@carrier.com

Product Information

Product Name: Carrier Toshiba RAV

Product Model Number(s): Varies, see product table

Product Category: Air Conditioning Units

Product Sub-Category: Air Conditioning Units - Split

General Description: Split Air Conditioning System consisting of indoor and outdoor units

Mounting Description: Several - See Certified Product Tables and UUT Sheet

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Pre Compliance

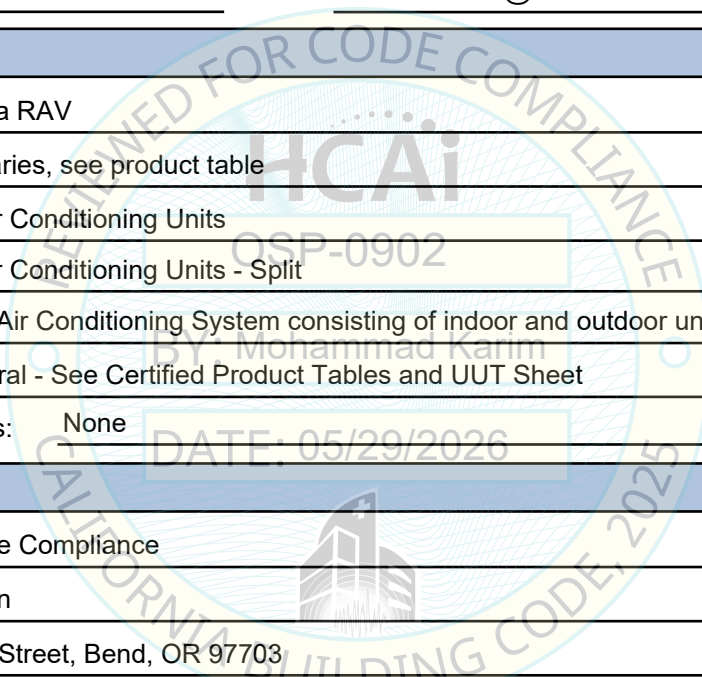
Contact Person: Katie Braman

Mailing Address: 324 NW Hill Street, Bend, OR 97703

Telephone: (541) 241-2310

Email: kate@go-pre.com

Title: Principal & Program Manager





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OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: PRE COMPLIANCE

Name: Andrew Coughlin California License Number: S6082

Mailing Address: 324 NW Hill St, Bend, OR 97703

Telephone: (415) 635-8461 Email: Andy@go-pre.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

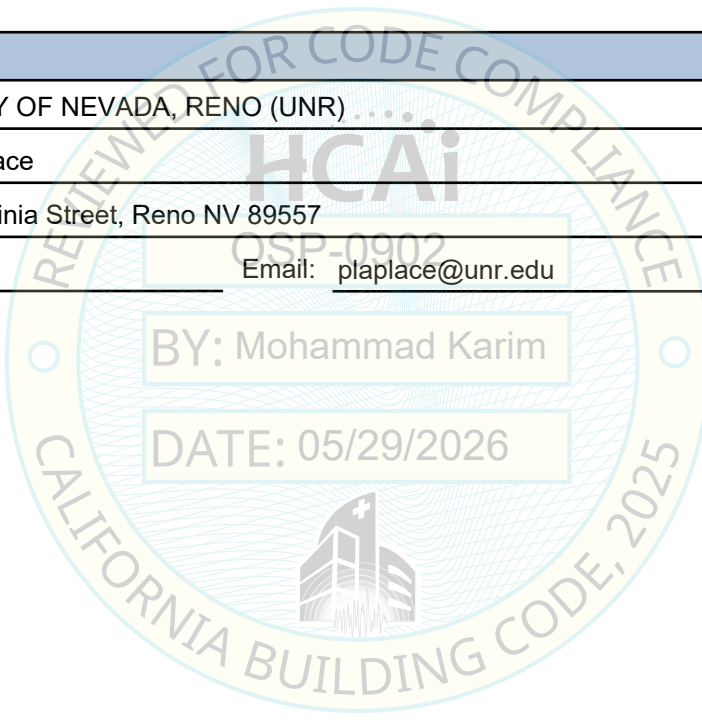
Testing Laboratory

Company Name: UNIVERSITY OF NEVADA, RENO (UNR)

Contact Person: Patrick LaPlace

Mailing Address: 1664 N. Virginia Street, Reno NV 89557

Telephone: (775) 784-6937 Email: plaplace@unr.edu





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	<u>3.48</u>	(A Rig-H), g=	<u>2.34</u>
Vertical	(A Flx-V), g=	<u>1.94</u>	(A Rig-V), g=	<u>0.78</u>

SDS (Design spectral response acceleration at short period, g) = 2.90 @ z/h = 0; 2.18 @ z/h = 1

H_f (Force amplification height factor) = 1 @ z/h = 0, 3.5 @ z/h = 1

R_u (Structure ductility reduction factor) = 1 @ z/h = 0, 1.3 @ z/h = 1

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 05/29/2032

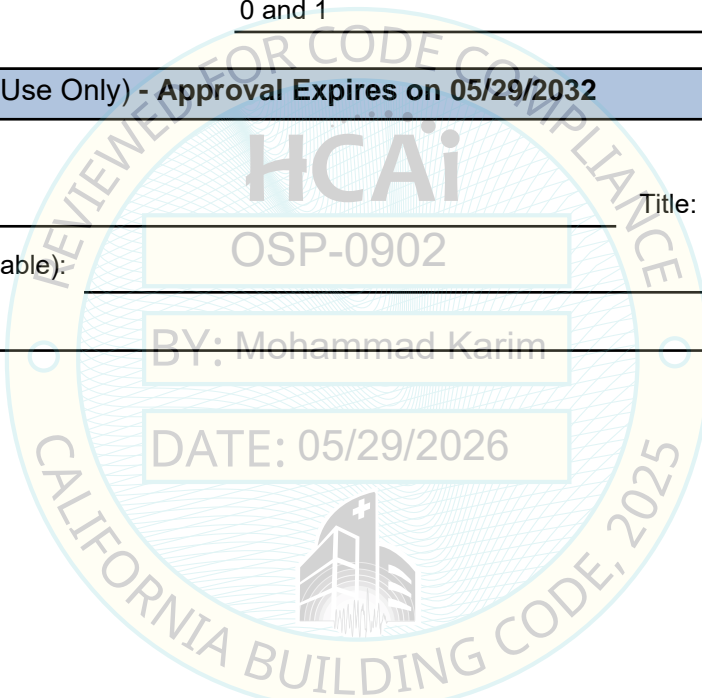
Date: 5/29/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0902

BY: Mohammad Karim

DATE: 05/29/2026



Manufacturer: Carrier Corporation
Product Type: Air Conditioning Units – Split
Model Line: Carrier Toshiba RAV

Seismic Parameters	Building Codes
$S_{DS} = 2.18g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$ $S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	$I_p=1.5$ CBC 2025

TABLE 1 Mounting Configuration: Base Mounted - Rigid
For Reference Only

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
EXAMPLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALPHA / NUMERIC	<u>R</u>	<u>A</u>	<u>V</u>	-	<u>B</u>	<u>P</u>	<u>1</u>	<u>8</u>	<u>1</u>	<u>A</u>	<u>I</u>	<u>2</u>	<u>P</u>	-	<u>U</u>	<u>L</u>	
Position	Description																
1, 2, 3	Product Series		RAV = RAV series unit														
5,6	Special Mark		BP = Super Digital Inverter (R454B)														
7, 8	Cooling Capacity		12-48 = 12,00 BTU to 48,000 BTU														
9	Design Revision		1 = 1 st Revision														
10	Unit Type		A = Outdoor Unit														
11	System		T = Inverter Heat Pump														
12	Power Supply		2 = 208/230 – 1 – 60														
13	Manufacturing Origin		P = Thailand														
15,16	Market		UL = North America (UL and other N.A. standard compliant)														
17	- = Not defined																

Manufacturer: Carrier Corporation
Product Type: Air Conditioning Units – Split
Model Line: Carrier Toshiba RAV

Seismic Parameters	
$S_{DS} = 2.18g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$	$I_p=1.5$
$S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	

Building Codes
CBC 2025

TABLE 2

Mounting Configuration: Wall Mounted - Rigid

For Reference Only

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
EXAMPLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALPHA / NUMERIC	<u>R</u>	<u>A</u>	<u>V</u>	-	<u>H</u>	<u>B</u>	<u>1</u>	<u>2</u>	<u>1</u>	<u>K</u>	<u>R</u>	<u>I</u>	<u>P</u>	-	<u>U</u>	<u>L</u>	
Position	Description																
1, 2, 3	Product Series					RAV = RAV series unit											
5,6	Special Mark					HB = R454B dedicated FCU + TU2C-LINK											
7, 8	Cooling Capacity					12-36 = 12,000 BTU to 36,000 BTU											
9	Design Revision					1 = 1 st Revision											
10	Unit Type					B = Medium Static Ducted											
						C = Under Ceiling											
						KR = High Wall											
						U = 4-Way Cassette											
12	System					Inverter Heat Pump											
13	Manufacturing Origin					P = Thailand											
15,16	Market					UL = North America (UL and other N.A. standard compliant)											
17	- = Not defined																



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC241467-02-R0

Manufacturer: Carrier Corporation
Product Type: Air Conditioning Units – Split
Model Line: Carrier Toshiba RAV

Seismic Parameters	Building Codes
$S_{DS} = 2.18g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$ $S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	$I_p=1.5$ CBC 2025

TABLE 3 Mounting Configuration: Ceiling Suspended - Rigid with Cable Braces

Construction Summary

Carbon Steel

Options Summary

Refrigerant: R454B

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
RAV 4-Way Cassette Indoor Unit 12,000 - 48,000 BTU	RAV-HB121UTP-UL	33.1	33.1	10.1	57	UUT: 48 lbs. without cover	3
	RAV-HB181UTP-UL	33.1	33.1	10.1	57		Interp.
	RAV-HB241UTP-UL	33.1	33.1	10.1	57		Interp.
	RAV-HB301UTP-UL	33.1	33.1	12.6	66		Interp.
	RAV-HB361UTP-UL	33.1	33.1	12.6	66		Interp.
	RAV-HB481UTP-UL	33.1	33.1	12.6	66	UUT: 57 lbs. without cover	4
RAV Under Ceiling 18,000 - 48,000 BTU	RAV-HB181CTP-UL	27.2	50	9.3	66		5
	RAV-HB241CTP-UL	27.2	50	9.3	66		Interp.
	RAV-HB301CTP-UL	27.2	50	9.3	66		Interp.
	RAV-HB361CTP-UL	27.2	62.5	9.3	85		Interp.
	RAV-HB421CTP-UL	27.2	62.5	9.3	85		Interp.
	RAV-HB481CTP-UL	27.2	62.5	9.3	85		6
RAV Standard Duct 12,000 - 48,000 BTU	RAV-HB121BTP-UL	29.5	27.6	10.9	54		7
	RAV-HB181BTP-UL	29.5	39.4	10.9	71		Interp.
	RAV-HB241BTP-UL	29.5	39.4	10.9	71		Interp.
	RAV-HB301BTP-UL	29.5	55.2	10.9	90		Interp.
	RAV-HB361BTP-UL	29.5	55.2	10.9	90		Interp.
	RAV-HB421BTP-UL	29.5	55.2	10.9	90		Interp.
	RAV-HB481BTP-UL	29.5	55.2	10.9	90		8

Manufacturer: Carrier Corporation
Product Type: Air Conditioning Units – Split
Model Line: Carrier Toshiba RAV

Seismic Parameters

$S_{DS} = 2.18g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$
 $S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$ $I_p=1.5$

Building Codes

CBC 2025

TABLE 3

Mounting Configuration: Ceiling Suspended - Rigid with Cable Braces

For Reference Only

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EXAMPLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALPHA / NUMERIC	<u>R</u>	<u>A</u>	<u>V</u>	-	<u>H</u>	<u>B</u>	<u>1</u>	<u>8</u>	<u>2</u>	<u>U</u>	<u>I</u>	<u>P</u>	-	<u>U</u>	<u>L</u>	
Position	Description															
1, 2, 3	Product Series					RAV = RAV series unit										
5,6	Special Mark					HB = R454B dedicated FCU + TU2C-LINK										
7, 8	Cooling Capacity					12 – 48 = 12,00 BTU to 48,000 BTU										
9	Design Revision					1 = 1 st Revision										
10	Unit Type					B = Medium Static Ducted C = Under Ceiling KR = High Wall U = 4-Way Cassette										
11	System					Inverter Heat Pump										
12	Manufacturing Origin					P = Thailand										
14,15	Market					UL = North America (UL and other N.A. standard compliant)										
16	- = Not defined															

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EXAMPLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALPHA / NUMERIC	<u>R</u>	<u>A</u>	<u>V</u>	-	<u>H</u>	<u>B</u>	<u>1</u>	<u>8</u>	<u>1</u>	<u>C</u>	<u>I</u>	<u>P</u>	-	<u>U</u>	<u>L</u>	
Position	Description															
1, 2, 3	Product Series					RAV = RAV series unit										
5,6	Special Mark					HB = R454B dedicated FCU + TU2C-LINK										
7, 8	Cooling Capacity					18-48 = 18,000 BTU to 48,000 BTU										
9	Design Revision					1 = 1 st Revision										
10	Unit Type					B = Medium Static Ducted C = Under Ceiling KR = High Wall U = 4-Way Cassette										
11	System					Inverter Heat Pump										
12	Manufacturing Origin					P = Thailand										
14,15	Market					UL = North America (UL and other N.A. standard compliant)										
16	- = Not defined															

Manufacturer: Carrier Corporation
Product Type: Air Conditioning Units – Split
Model Line: Carrier Toshiba RAV

Seismic Parameters	
$S_{DS} = 2.18g$ for $z/h=1, R_{\mu}=1.3, H_f=3.5$	$I_p=1.5$
$S_{DS} = 2.90g$ for $z/h=0, R_{\mu}=1.0, H_f=1.0$	

Building Codes
CBC 2025

TABLE 3

Mounting Configuration: Ceiling Suspended - Rigid with Cable Braces

For Reference Only

POSITION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EXAMPLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALPHA / NUMERIC	R	A	V	-	H	B	1	8	1	B	T	P	-	U	L	
Position	Description															
1, 2, 3	Product Series		RAV = RAV series unit													
5,6	Special Mark		HB = R454B dedicated FCU + TU2C-LINK													
7, 8	Cooling Capacity		12-48 = 12,000 BTU to 48,00 BTU													
9	Design Revision		1= 1 st Revision													
10	Unit Type		B = Medium Static Ducted													
			C = Under Ceiling													
			KR = High Wall													
			U = 4-Way Cassette													
11	System		T = Inverter Heat Pump													
12	Manufacturing Origin		P = Thailand													
14,15	Market		UL = North America (UL and other N.A. standard compliant)													
16	- = Not defined															

UUT 1

Test Report# TR241467-02-R0 (UUT17)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-BP121AT2P-UL
Serial Number: 52500035

Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
11.4	30.7	21.7	81

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
23.1	17.5	>33.3

Building Codes
CBC 2025

Test Criteria
ICC-ES AC156-24

Construction/Option Summary
Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was base-mounted rigid to the shake table with with four (4) 3/8" Grade 8 hex head bolts and flat washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 2

Test Report# TR241467-02-R0 (UUT18)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-BP481AT2P-UL
Serial Number: 53000002

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78
2.90	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
12.6	35.4	52.8	221

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
5.3	2.5	20.8

Building Codes
CBC 2025

Test Criteria
ICC-ES AC156-24

Construction/Option Summary
Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was base-mounted rigid to the shake table with with four (4) 3/8" Grade 8 hex head bolts and flat washers.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 3

Test Report# TR241467-01-R0 (UUT19)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB121UTP-UL
Serial Number: 52500005

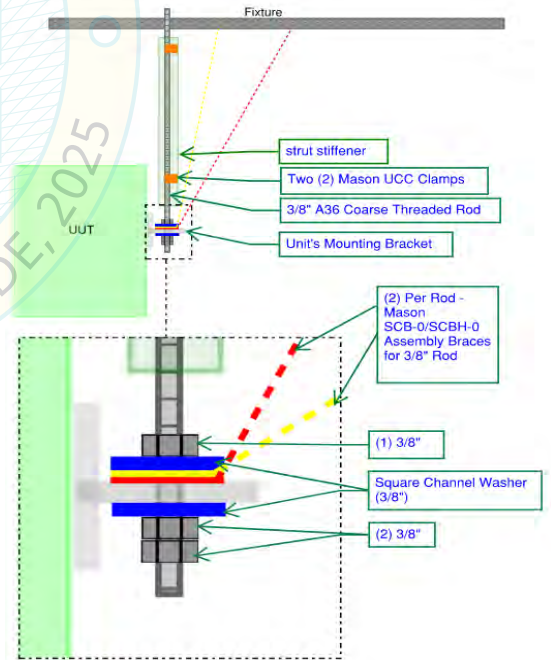
Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
33.1	33.1	10.1	57

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was ceiling suspended- rigid with cable braces suspended with 3/8" A36 threaded rods, rod stiffeners with (2) two Mason UUC rod clamps per rod. Two Mason SCBH/SCB-0 braces were attached to each rod for a total of eight (8). The threaded rod was secured to each mounting bracket with two (2) 3/8" square strut washers and three 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 4

Test Report# TR241467-02-R0 (UUT20)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB481UTP-UL
Serial Number: 52500005

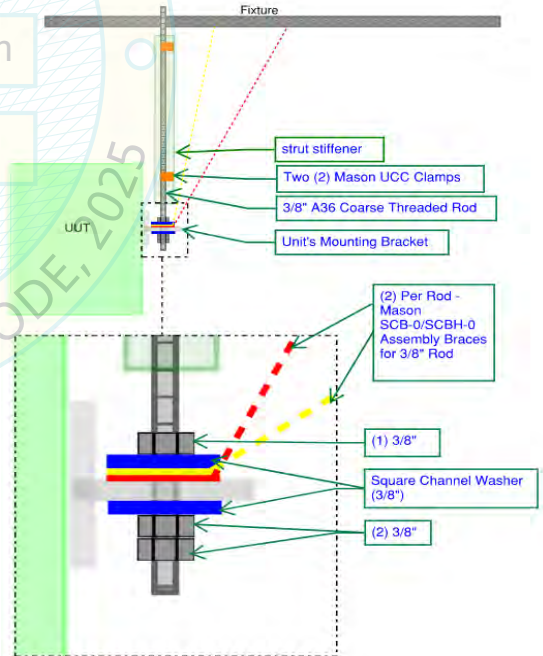
Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
33.1	33.1	12.6	66

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was ceiling suspended- rigid with cable braces suspended with 3/8" A36 threaded rods, rod stiffeners with (2) two Mason UUC rod clamps per rod. Two Mason SCBH/SCB-0 braces were attached to each rod for a total of eight (8). The threaded rod was secured to each mounting bracket with two (2) 3/8" square strut washers and three 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 5

Test Report# TR241467-05-R0 (UUT21)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB181CTP-UL
Serial Number: 53100127

Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5						
2.90	0.0	1.0	1.0	1.5	3.48	2.34	1.94	0.78	

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
27.2	50.0	9.3	66

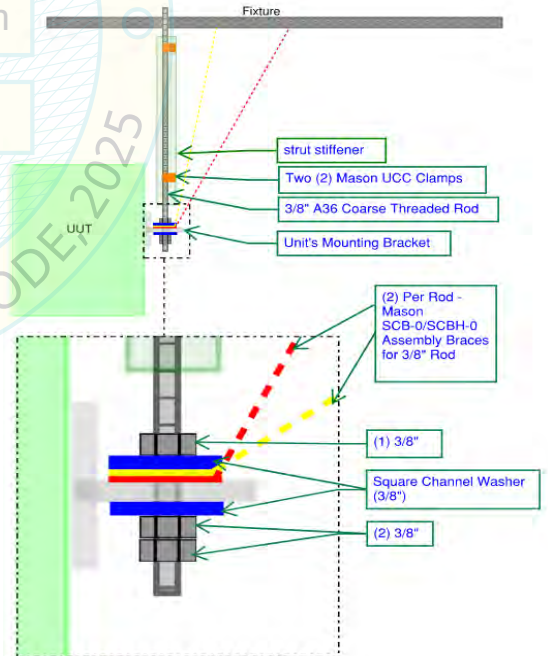
Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2025

Test Criteria
ICC-ES AC156-24

Construction/Option Summary
Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was ceiling suspended- rigid with cable braces suspended with 3/8" A36 threaded rods, rod stiffeners with (2) two Mason UCC rod clamps per rod. Two Mason SCBH/SCB-0 braces were attached to each rod for a total of eight (8). The threaded rod was secured to each mounting bracket with two (2) 3/8" square strut washers and three 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 6

Test Report# TR241467-02-R0 (UUT22)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB481CTP-UL
Serial Number: 52600007

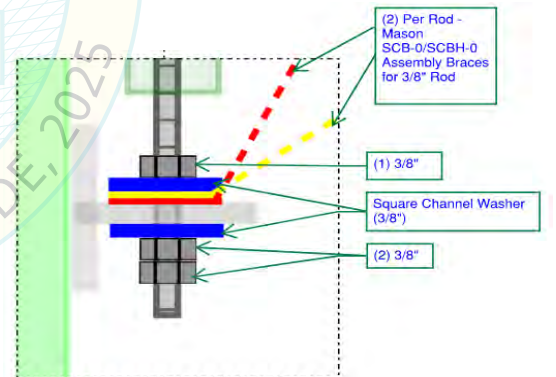
Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
27.2	62.5	9.3	85

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was ceiling suspended- rigid with cable braces suspended with 3/8" A36 threaded rods. Two Mason SCBH/SCB-0 braces were attached to each rod for a total of eight (8). The threaded rod was secured to each mounting bracket with two (2) 3/8" square strut washers and three 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 7

Test Report# TR241467-02-R0 (UUT23)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB121BTP-UL
Serial Number: 53000003

Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.5	27.6	10.9	54

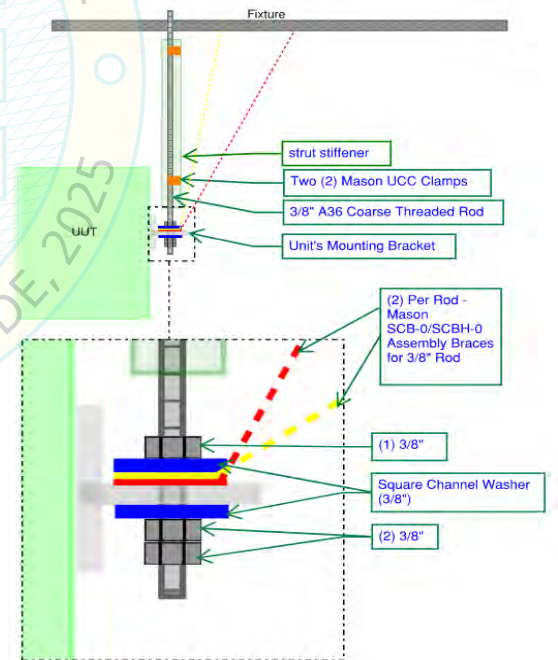
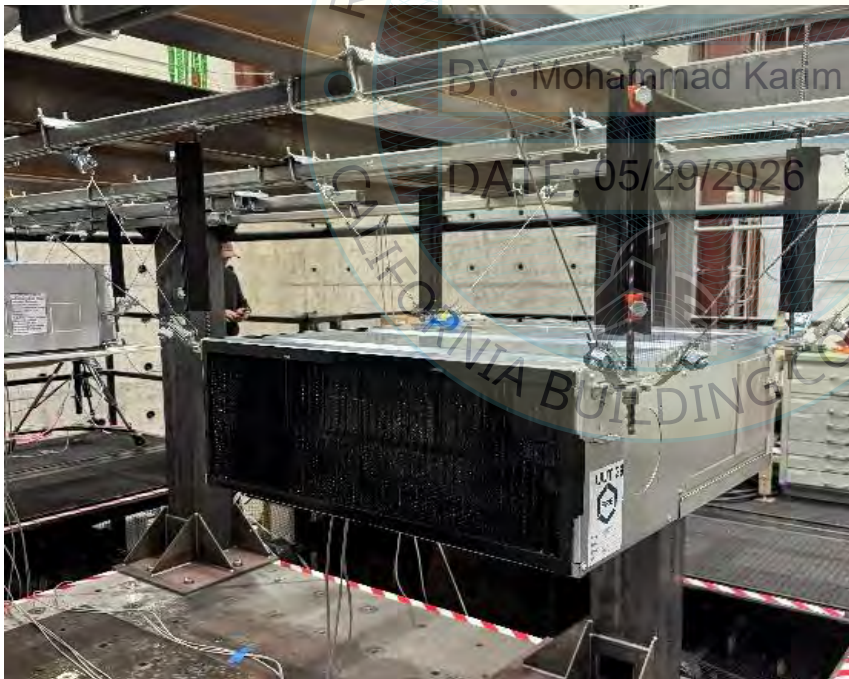
Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes
CBC 2025

Test Criteria
ICC-ES AC156-24

Construction/Option Summary
Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was ceiling suspended- rigid with cable braces suspended with 3/8" A36 threaded rods, rod stiffeners with (2) two Mason UUC rod clamps per rod. Two Mason SCBH/SCB-0 braces were attached to each rod for a total of eight (8). The threaded rod was secured to each mounting bracket with two (2) 3/8" square strut washers and three 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 8

Test Report# TR241467-02-R0 (UUT24)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB481BTP-UL
Serial Number: 53000003

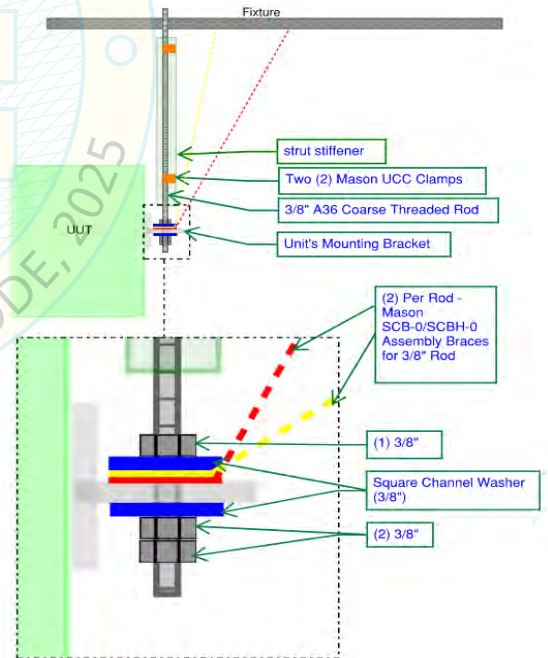
Highest Passed Test Level									
S_{DS}	z/h	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
29.5	55.2	10.9	90

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	Carbon steel, Refrigerant: R454B

UUT Mounting Details:



The unit was ceiling suspended- rigid with cable braces suspended with 3/8" A36 threaded rods, rod stiffeners with (2) two Mason UUC rod clamps per rod. Two Mason SCBH/SCB-0 braces were attached to each rod for a total of eight (8). The threaded rod was secured to each mounting bracket with two (2) 3/8" square strut washers and three 3/8" nuts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 9

Test Report# TR241467-02-R0 (UUT25)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB121KRTP-UL
Serial Number: 52900072

Highest Passed Test Level								
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78
2.90	0.0	1.0	1.0					

Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
9.8	41.3	12.6	30

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	Carbon steel, Refrigerant: R454B

UUT Mounting Details:

BY: Mohammad Karim



(2) Two 1/8" - 0.6" flat head set screws provided in Carrier mounting kit with

The unit was wall-mounted rigid with six (6) 5/32" x 1" screws. Unit secured to wall plate at the base with (2) Two 1/8" - 0.6" flat head set screws

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 10

Test Report# TR241467-02-R0 (UUT26)

Manufacturer: Carrier Corporation
Model Line: Carrier Toshiba RAV
Product Type: Air Conditioning Units – Split
Model Number: RAV-HB361KRTP-UL
Serial Number: 53000003

Highest Passed Test Level									
S _{DS}	z/h	R _μ	H _f	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	
2.18	1.0	1.3	3.5	1.5	3.48	2.34	1.94	0.78	
2.90	0.0	1.0	1.0						

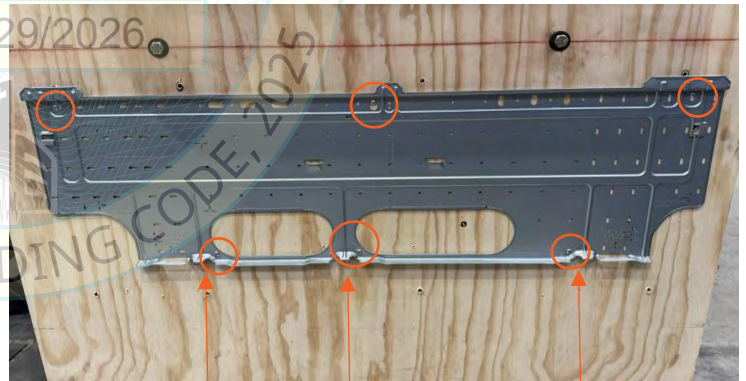
Dimensions/Weights			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)
11.0	47.2	13.8	42

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes	Test Criteria	Construction/Option Summary
CBC 2025	ICC-ES AC156-24	Carbon steel, Refrigerant: R454B

UUT Mounting Details:

BY: Mohammad Karim



(3) Three 1/8" - 0.6" flat head set screws provided in Carrier mounting kit with unit.

The unit was wall-mounted rigid with six (6) 5/32" x 1" screws. Unit secured to wall plate at the base with (3) Three 1/8" - 0.6" flat head set screws.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.