

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

**Project Name:** Queens Motel Redevelopment

**Calculation Date/Time:** 11:38, Tue, May 08, 2018

**Calculation Description:** Title 24 Analysis

**Input File Name:** tmpC173.tmp.xml

GENERAL INFORMATION					
01	<b>Project Name</b>	Queens Motel Redevelopment			
02	<b>Calculation Description</b>	Title 24 Analysis			
03	<b>Project Location</b>	16959 Stoddard Wells Rd.			
04	<b>City</b>	Victorville	05	<b>Standards Version</b>	Compliance 2017
06	<b>Zip Code</b>	92395	07	<b>Compliance Manager Version</b>	BEMCmpMgr 2016.3.0 (1016 SP2)
08	<b>Climate Zone</b>	CZ14	09	<b>Software Version</b>	EnergyPro 7.2
10	<b>Building Type</b>	Multifamily	11	<b>Front Orientation (deg/Cardinal)</b>	0
12	<b>Project Scope</b>	Addition and/or Alteration	13	<b>Number of Dwelling Units</b>	33
14	<b>Total Cond. Floor Area (ft<sup>2</sup>)</b>	13766	15	<b>Number of Zones</b>	16
16	<b>Slab Area (ft<sup>2</sup>)</b>	6966	17	<b>Number of Stories</b>	2
18	<b>Addition Cond. Floor Area (ft<sup>2</sup>)</b>	0	19	<b>Natural Gas Available</b>	Yes
20	<b>Addition Slab Area (ft<sup>2</sup>)</b>	0	21	<b>Glazing Percentage (%)</b>	12.9%

COMPLIANCE RESULTS	
01	<b>Building Complies with Computer Performance</b>
02	<b>This building DOES NOT require HERS Verification</b>
03	<b>This building incorporates one or more Special Features shown below</b>

ENERGY USE SUMMARY				
04	05	06	07	08
Energy Use (kTDV/ft <sup>2</sup> -yr)	Standard Design	Proposed Design	Compliance Margin	Percent Improvement
Space Heating	14.56	15.95	-1.39	-9.5%
Space Cooling	73.98	63.69	10.29	13.9%
IAQ Ventilation	3.03	3.03	0.00	0.0%
Water Heating	29.95	25.49	4.46	14.9%
Photovoltaic Offset	----	0.00	0.00	----
<b>Compliance Energy Total</b>	<b>121.52</b>	<b>108.16</b>	<b>13.36</b>	<b>11.0%</b>

REQUIRED SPECIAL FEATURES
The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.
• <b>Window overhangs and/or fins</b>

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<b>HERS FEATURE SUMMARY</b>						
The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building components tables below.						
<b>Building-level Verifications:</b> • --None-- <b>Cooling System Verifications:</b> • -- None -- <b>HVAC Distribution System Verifications:</b> • -- None -- <b>Domestic Hot Water System Verifications:</b> • -- None --						

<b>BUILDING - FEATURES INFORMATION-MF</b>						
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>	<b>07</b>
<b>Project Name</b>	<b>Conditioned Floor Area (ft<sup>2</sup>)</b>	<b>Number of Dwelling Units</b>	<b>Number of Bedrooms</b>	<b>Number of Zones</b>	<b>Number of Ventilation Cooling Systems</b>	<b>Number of Water Heating Systems</b>
Queens Motel Redevelopment	13766	33	32	16	0	33

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<b>ZONE INFORMATION</b>				
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>
<b>Zone Name</b>	<b>Zone Type</b>	<b>Zone Floor Area (ft<sup>2</sup>)</b>	<b>Avg. Ceiling Height</b>	<b>Number of Dwelling Units</b>
Managers Unit	Conditioned	1165	8	1
Bridge Units 1st Floor N	Conditioned	171	8	1
Bridge Units 1st Floor S	Conditioned	342	8	2
Bridge Units 2nd Floor N	Conditioned	432	8	2
Bridge Units 2nd Floor S	Conditioned	432	8	2
In-Line 1st Floor	Conditioned	884	8	2
In-Line Units 2nd Floor	Conditioned	1724	8	4
SbS Units 1st Floor N	Conditioned	862	8	2
SbS Units 1st Floor E	Conditioned	431	8	1
SbS Units 1st Floor W	Conditioned	1293	8	3
SbS Units 1st Floor S	Conditioned	862	8	2
SbS Units 2nd Floor N	Conditioned	860	8	2
SbS Units 2nd Floor E	Conditioned	1290	8	3
SbS Units 2nd Floor S	Conditioned	860	8	2
SbS Units 2nd Floor W	Conditioned	1290	8	3
Community Room	Conditioned	868	8	1

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<b>DWELLING UNIT INFORMATION</b>		
<b>01</b>	<b>02</b>	<b>03</b>
<b>Dwelling Unit Name</b>	<b>Dwelling Unit Type</b>	<b>Zone</b>
DDU-1 Manages Unit-(1/1)	DU-1 Manages Unit	Managers Unit
DDU-2 Bridge-(1/1)	DU-2 Bridge	Bridge Units 1st Floor N
DDU-3 Bridge-(1/2)	DU-3 Bridge	Bridge Units 1st Floor S
DDU-3 Bridge-(2/2)	DU-3 Bridge	Bridge Units 1st Floor S
DDU-4 Bridge -(1/2)	DU-4 Bridge	Bridge Units 2nd Floor N
DDU-4 Bridge -(2/2)	DU-4 Bridge	Bridge Units 2nd Floor N
DDU-5 Bridge-(1/2)	DU-5 Bridge	Bridge Units 2nd Floor S
DDU-5 Bridge-(2/2)	DU-5 Bridge	Bridge Units 2nd Floor S
DDU-6 In-Line-(1/2)	DU-6 In-Line	In-Line 1st Floor
DDU-6 In-Line-(2/2)	DU-6 In-Line	In-Line 1st Floor
DDU-7 In-Line-(1/4)	DU-7 In-Line	In-Line Units 2nd Floor
DDU-7 In-Line-(2/4)	DU-7 In-Line	In-Line Units 2nd Floor
DDU-7 In-Line-(3/4)	DU-7 In-Line	In-Line Units 2nd Floor
DDU-7 In-Line-(4/4)	DU-7 In-Line	In-Line Units 2nd Floor
DDU-8 Side by Side-(1/2)	DU-8 Side by Side	SbS Units 1st Floor N
DDU-8 Side by Side-(2/2)	DU-8 Side by Side	SbS Units 1st Floor N
DDU-9 Side by Side-(1/1)	DU-9 Side by Side	SbS Units 1st Floor E
DDU-10 Side by Side-(1/3)	DU-10 Side by Side	SbS Units 1st Floor W
DDU-10 Side by Side-(2/3)	DU-10 Side by Side	SbS Units 1st Floor W
DDU-10 Side by Side-(3/3)	DU-10 Side by Side	SbS Units 1st Floor W
DDU-11 Side by Side-(1/2)	DU-11 Side by Side	SbS Units 1st Floor S
DDU-11 Side by Side-(2/2)	DU-11 Side by Side	SbS Units 1st Floor S
DDU-12 Side by Side-(1/2)	DU-12 Side by Side	SbS Units 2nd Floor N
DDU-12 Side by Side-(2/2)	DU-12 Side by Side	SbS Units 2nd Floor N
DDU-13 Side by Side -(1/3)	DU-13 Side by Side	SbS Units 2nd Floor E
DDU-13 Side by Side -(2/3)	DU-13 Side by Side	SbS Units 2nd Floor E
DDU-13 Side by Side -(3/3)	DU-13 Side by Side	SbS Units 2nd Floor E
DDU-14 Side by Side-(1/2)	DU-14 Side by Side	SbS Units 2nd Floor S
DDU-14 Side by Side-(2/2)	DU-14 Side by Side	SbS Units 2nd Floor S

Registration Number:

Registration Date/Time:

HERS Provider:

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CF1R-PRF-01

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DDU-15 Side by Side-(1/3)	DU-15 Side by Side	SbS Units 2nd Floor W
DDU-15 Side by Side-(2/3)	DU-15 Side by Side	SbS Units 2nd Floor W
DDU-15 Side by Side-(3/3)	DU-15 Side by Side	SbS Units 2nd Floor W
DDU-16 Community Room-(1/1)	DU-16 Community Room	Community Room

Registration Number:

CA Building Energy Efficiency Standards - 2016 Residential Compliance

Registration Date/Time:

Report Version - CF1R-04302018-1016 SP2

HERS Provider:

Report Generated at: 2018-05-08 11:44:41

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DWELLING UNIT TYPES						
01	02	03	04	05	06	07
Name	CFA (ft <sup>2</sup> )	Number of Bedrooms	Number in Building	Space Conditioning Systems Assigned	DHW System Name	IAQ Vent Fan Name
DU-1 Manages Unit	1165	1	1	DDU-1 Manages Unit   :Heat Pump System 1:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-2 Bridge	171	1	1	DDU-2 Bridge   :Heat Pump System 2:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-3 Bridge	171	1	2	DDU-3 Bridge 1/2   :Heat Pump System 3:::2:2 DDU-3 Bridge 2/2   :Heat Pump System 3:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-4 Bridge	216	1	2	DDU-4 Bridge 1/2   :Heat Pump System 4:::2:2 DDU-4 Bridge 2/2   :Heat Pump System 4:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-5 Bridge	216	1	2	DDU-5 Bridge 1/2   :Heat Pump System 5:::2:2 DDU-5 Bridge 2/2   :Heat Pump System 5:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-6 In-Line	442	1	2	DDU-6 In-Line 1/2   :Heat Pump System 6:::2:2 DDU-6 In-Line 2/2   :Heat Pump System 6:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-7 In-Line	431	1	4	DDU-7 In-Line 1/4   :Heat Pump System 7:::2:2 DDU-7 In-Line 2/4   :Heat Pump System 7:::2:2 DDU-7 In-Line 3/4   :Heat Pump System 7:::2:2 DDU-7 In-Line 4/4   :Heat Pump System 7:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-8 Side by Side	431	1	2	DDU-8 Side by Side 1/2   :Heat Pump System 8:::2:2 DDU-8 Side by Side 2/2   :Heat Pump System 8:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-9 Side by Side	431	1	1	DDU-9 Side by Side   :Heat Pump System 9:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-10 Side by Side	431	1	3	DDU-10 Side by Side 1/3   :Heat Pump System 10:::2:2 DDU-10 Side by Side 2/3   :Heat Pump System 10:::2:2 DDU-10 Side by Side 3/3   :Heat Pump System 10:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-11 Side by Side	431	1	2	DDU-11 Side by Side 1/2   :Heat Pump System 11:::2:2 DDU-11 Side by Side 2/2   :Heat Pump System 11:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-12 Side by Side	430	1	2	DDU-12 Side by Side 1/2   :Heat Pump System 12:::2:2 DDU-12 Side by Side 2/2   :Heat Pump System 12:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-13 Side by Side	430	1	3	DDU-13 Side by Side 1/3   :Heat Pump System 13:::2:2 DDU-13 Side by Side 2/3   :Heat Pump System 13:::2:2 DDU-13 Side by Side 3/3   :Heat Pump System 13:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-14 Side by Side	430	1	2	DDU-14 Side by Side 1/2   :Heat Pump System 14:::2:2 DDU-14 Side by Side 2/2   :Heat Pump System 14:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-15 Side by Side	430	1	3	DDU-15 Side by Side 1/3   :Heat Pump System 15:::2:2 DDU-15 Side by Side 2/3   :Heat Pump System 15:::2:2 DDU-15 Side by Side 3/3   :Heat Pump System 15:::2:2	DHW Sys 1	Default Minimum IAQ Fan
DU-16 Community Room	868	0	1	DDU-16 Community Room   :Heat Pump System 16:::2:2	DHW Sys 1	Default Minimum IAQ Fan

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OPAQUE SURFACES									
01	02	03	04	05	06	07	08	09	10
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft <sup>2</sup> )	Window & Door Area (ft <sup>2</sup> )	Tilt (deg)	Status	Verified Existing Condition
Front Wall	Managers Unit	R-11 Wall	0	Front	225	92	90	Existing	No
Left Wall	Managers Unit	R-11 Wall	90	Left	171	6	90	Existing	No
Front Wall 2	Managers Unit	R-11 Wall	180	Back	225	59.01	90	Existing	No
Right Wall	Managers Unit	R-11 Wall	90	Left	171	36	90	Existing	No
Front Wall 3	Bridge Units 1st Floor N	R-11 Wall	0	Front	99	44	90	Existing	No
Right Wall 2	Bridge Units 1st Floor N	R-19 Wall	270	Right	171	0	90	New	n/a
Parti Wall Side	Bridge Units 1st Floor N>>Managers Unit	R-11 Wall1			171	0		Existing	No
Parti Wall Rear	Bridge Units 1st Floor N>>Bridge Units 1st Floor S	R-11 Wall1			99	0		Existing	No
Front Wall 4	Bridge Units 1st Floor S	R-11 Wall	180	Back	99	44	90	Existing	No
Left Wall 2	Bridge Units 1st Floor S	R-19 Wall	90	Left	171	0	90	New	n/a
Front Wall 5	Bridge Units 1st Floor S	R-11 Wall	180	Back	99	44	90	Existing	No
Parti Wall Side 2	Bridge Units 1st Floor S>>Bridge Units 1st Floor S	R-11 Wall1			171	0		Existing	No
Parti Wall Side 3	Bridge Units 1st Floor S>>Managers Unit	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 2	Bridge Units 1st Floor S>>Managers Unit	R-11 Wall1			99	0		Existing	No
Front Wall 6	Bridge Units 2nd Floor N	R-11 Wall	0	Front	99	44	90	Existing	No
Front Wall 7	Bridge Units 2nd Floor N	R-11 Wall	0	Front	99	44	90	Existing	No
Right Wall 3	Bridge Units 2nd Floor N	R-19 Wall	270	Right	171	0	90	New	n/a
Parti Wall Side 4	Bridge Units 2nd Floor N>>In-Line Units 2nd Floor	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 3	Bridge Units 2nd Floor N>>Bridge Units 2nd Floor S	R-11 Wall1			99	0		Existing	No
Parti Wall Side 5	Bridge Units 2nd Floor N>>Bridge Units 2nd Floor N	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 4	Bridge Units 2nd Floor N>>Bridge Units 2nd Floor S	R-11 Wall1			99	0		Existing	No
Roof	Bridge Units 2nd Floor N	R-19 Roof Attic			216			Existing	No

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Roof 2	Bridge Units 2nd Floor N	R-19 Roof Attic			216			Existing	No
Interior Floor 5	Bridge Units 2nd Floor N>>Managers Unit	R-11 Floor No Crawlspace			216			New	n/a
Interior Floor 6	Bridge Units 2nd Floor N>>Bridge Units 1st Floor N	R-11 Floor No Crawlspace			216			New	n/a
Front Wall 8	Bridge Units 2nd Floor S	R-11 Wall	180	Back	99	44	90	Existing	No
Left Wall 3	Bridge Units 2nd Floor S	R-19 Wall	90	Left	171	0	90	New	n/a
Front Wall 9	Bridge Units 2nd Floor S	R-11 Wall	180	Back	99	44	90	Existing	No
Parti Wall Side 6	Bridge Units 2nd Floor S>>Bridge Units 2nd Floor S	R-11 Wall1			171	0		Existing	No
Parti Wall Side 7	Bridge Units 2nd Floor S>>In-Line Units 2nd Floor	R-11 Wall1			171	0		Existing	No
Roof 3	Bridge Units 2nd Floor S	R-19 Roof Attic			216			Existing	No
Roof 4	Bridge Units 2nd Floor S	R-19 Roof Attic			216			Existing	No
Interior Floor 7	Bridge Units 2nd Floor S>>Bridge Units 1st Floor S	R-11 Floor No Crawlspace			216			New	n/a
Interior Floor 8	Bridge Units 2nd Floor S>>Bridge Units 1st Floor S	R-11 Floor No Crawlspace			216			New	n/a
Front Wall 10	In-Line 1st Floor	R-11 Wall	180	Back	103.5	44	90	Existing	No
Rear Wall	In-Line 1st Floor	R-11 Wall	0	Front	103.5	24	90	Existing	No
Right Wall 4	In-Line 1st Floor	R-11 Wall	90	Left	333	0	90	Existing	No
Front Wall 11	In-Line 1st Floor	R-11 Wall	180	Back	103.5	44	90	Existing	No
Left Wall 4	In-Line 1st Floor	R-11 Wall	270	Right	333	0	90	Existing	No
Rear Wall 2	In-Line 1st Floor	R-11 Wall	0	Front	103.5	24	90	Existing	No
Parti Wall Side 8	In-Line 1st Floor>>SbS Units 1st Floor N	R-11 Wall1			166	0		Existing	No
Parti Wall Side 9	In-Line 1st Floor>>SbS Units 1st Floor S	R-11 Wall1			167	0		Existing	No
Parti Wall Side 10	In-Line 1st Floor>>SbS Units 1st Floor N	R-11 Wall1			333	0		Existing	No
Rear Wall 3	In-Line Units 2nd Floor	R-11 Wall	0	Front	103.5	24	90	Existing	No
Front Wall 12	In-Line Units 2nd Floor	R-11 Wall	180	Back	116	68	90	Existing	No
Right Wall 5	In-Line Units 2nd Floor	R-11 Wall	90	Left	333	0	90	Existing	No
Front Wall 13	In-Line Units 2nd Floor	R-11 Wall	180	Back	103.5	68	90	Existing	No
Rear Wall 4	In-Line Units 2nd Floor	R-11 Wall	0	Front	103.5	24	90	Existing	No
Front Wall 14	In-Line Units 2nd Floor	R-11 Wall	180	Back	103.5	68	90	Existing	No

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Right Wall 6	In-Line Units 2nd Floor	R-19 Wall	90	Left	333	0	90	New	n/a
Rear Wall 5	In-Line Units 2nd Floor	R-11 Wall	0	Front	103.5	24	90	Existing	No
Front Wall 15	In-Line Units 2nd Floor	R-11 Wall	180	Back	103.5	68	90	Existing	No
Left Wall 5	In-Line Units 2nd Floor	R-11 Wall	270	Right	333	0	90	Existing	No
Rear Wall 6	In-Line Units 2nd Floor	R-11 Wall	0	Front	103.5	24	90	Existing	No
Parti Wall Side 11	In-Line Units 2nd Floor>>In-Line Units 2nd Floor	R-11 Wall1			333	0		Existing	No
Parti Wall Side 12	In-Line Units 2nd Floor>>Bridge Units 2nd Floor N	R-11 Wall1			166	0		Existing	No
Parti Wall Side 13	In-Line Units 2nd Floor>>Bridge Units 2nd Floor S	R-11 Wall1			167	0		Existing	No
Parti Wall Side 14	In-Line Units 2nd Floor>>SbS Units 2nd Floor N	R-11 Wall1			166	0		Existing	No
Parti Wall Side 15	In-Line Units 2nd Floor>>SbS Units 2nd Floor S	R-11 Wall1			167	0		Existing	No
Roof 5	In-Line Units 2nd Floor	R-19 Roof Attic			431			Existing	No
Roof 6	In-Line Units 2nd Floor	R-19 Roof Attic			431			Existing	No
Roof 7	In-Line Units 2nd Floor	R-19 Roof Attic			431			Existing	No
Roof 8	In-Line Units 2nd Floor	R-19 Roof Attic			431			Existing	No
Interior Floor 9	In-Line Units 2nd Floor>>Managers Unit	R-11 Floor No Crawlspace			431			New	n/a
Interior Floor 10	In-Line Units 2nd Floor>>Managers Unit	R-11 Floor No Crawlspace			431			New	n/a
Interior Floor 11	In-Line Units 2nd Floor>>In-Line 1st Floor	R-11 Floor No Crawlspace			431			New	n/a
Interior Floor 12	In-Line Units 2nd Floor>>In-Line 1st Floor	R-11 Floor No Crawlspace			431			New	n/a
Front Wall 16	SbS Units 1st Floor N	R-11 Wall	0	Front	207	68	90	Existing	No
Front Wall 17	SbS Units 1st Floor N	R-11 Wall	0	Front	207	68	90	Existing	No
Parti Wall Side 16	SbS Units 1st Floor N>>In-Line 1st Floor	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 5	SbS Units 1st Floor N>>SbS Units 1st Floor S	R-11 Wall1			207	0		Existing	No
Parti Wall Side 17	SbS Units 1st Floor N>>SbS Units 1st Floor N	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 6	SbS Units 1st Floor N>>SbS Units 1st Floor S	R-11 Wall1			207	0		Existing	No

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Front Wall 18	SbS Units 1st Floor E	R-11 Wall	90	Left	207	68	90	Existing	No
Right Wall 7	SbS Units 1st Floor E	R-11 Wall	0	Front	171	0	90	Existing	No
Parti Wall Side 18	SbS Units 1st Floor E>>Community Room	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 7	SbS Units 1st Floor E>>SbS Units 1st Floor W	R-11 Wall1			207	0		Existing	No
Front Wall 19	SbS Units 1st Floor W	R-11 Wall	270	Right	207	68	90	Existing	No
Left Wall 6	SbS Units 1st Floor W	R-11 Wall	0	Front	171	0	90	Existing	No
Front Wall 20	SbS Units 1st Floor W	R-11 Wall	270	Right	207	68	90	Existing	No
Front Wall 21	SbS Units 1st Floor W	R-11 Wall	270	Right	207	68	90	Existing	No
Parti Wall Side 19	SbS Units 1st Floor W>>SbS Units 1st Floor W	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 8	SbS Units 1st Floor W>>SbS Units 1st Floor E	R-11 Wall1			207	0		Existing	No
Parti Wall Side 20	SbS Units 1st Floor W>>SbS Units 1st Floor W	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 9	SbS Units 1st Floor W>>Community Room	R-11 Wall1			207	0		Existing	No
Parti Wall Side 21	SbS Units 1st Floor W	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 10	SbS Units 1st Floor W>>Community Room	R-11 Wall1			207	0		Existing	No
Front Wall 22	SbS Units 1st Floor S	R-11 Wall	180	Back	207	68	90	Existing	No
Front Wall 23	SbS Units 1st Floor S	R-11 Wall	180	Back	207	68	90	Existing	No
Parti Wall Side 22	SbS Units 1st Floor S>>SbS Units 1st Floor S	R-11 Wall1			171	0		Existing	No
Parti Wall Side 23	SbS Units 1st Floor S>>In-Line 1st Floor	R-11 Wall1			171	0		Existing	No
Front Wall 24	SbS Units 2nd Floor N	R-11 Wall	0	Front	207	68	90	Existing	No
Front Wall 25	SbS Units 2nd Floor N	R-11 Wall	0	Front	207	68	90	Existing	No
Parti Wall Side 24	SbS Units 2nd Floor N>>SbS Units 2nd Floor N	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 11	SbS Units 2nd Floor N>>SbS Units 2nd Floor S	R-11 Wall1			207	0		Existing	No
Interior Floor	SbS Units 2nd Floor N>>SbS Units 1st Floor N	R-19 Wall1			430	0		New	n/a
Parti Wall Side 25	SbS Units 2nd Floor N>>In-Line Units 2nd Floor	R-11 Wall1			171	0		Existing	No

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Parti Wall Rear 12	SbS Units 2nd Floor N>>SbS Units 2nd Floor S	R-11 Wall1			207	0		Existing	No
Interior Floor 2	SbS Units 2nd Floor N>>SbS Units 1st Floor N	R-19 Wall1			430	0		New	n/a
Roof 9	SbS Units 2nd Floor N	R-19 Roof Attic			430			Existing	No
Roof 10	SbS Units 2nd Floor N	R-19 Roof Attic			430			Existing	No
Front Wall 26	SbS Units 2nd Floor E	R-11 Wall	90	Left	207	68	90	Existing	No
Front Wall 27	SbS Units 2nd Floor E	R-11 Wall	90	Left	207	68	90	Existing	No
Front Wall 28	SbS Units 2nd Floor E	R-11 Wall	90	Left	207	68	90	Existing	No
Right Wall 8	SbS Units 2nd Floor E	R-11 Wall	0	Front	171	0	90	Existing	No
Parti Wall Side 26	SbS Units 2nd Floor E>>SbS Units 2nd Floor E	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 13	SbS Units 2nd Floor E>>SbS Units 2nd Floor W	R-11 Wall1			207	0		Existing	No
Parti Wall Side 27	SbS Units 2nd Floor E	R-11 Wall1			171	0		Existing	No
Parti Wall Side 28	SbS Units 2nd Floor E>>SbS Units 2nd Floor E	R-11 Wall1			171	0		Existing	No
Parti Wall Rear 14	SbS Units 2nd Floor E>>SbS Units 2nd Floor W	R-11 Wall1			207	0		Existing	No
Parti Wall Rear 15	SbS Units 2nd Floor E>>SbS Units 2nd Floor W	R-11 Wall1			207	0		Existing	No
Roof 11	SbS Units 2nd Floor E	R-19 Roof Attic			430			Existing	No
Roof 12	SbS Units 2nd Floor E	R-19 Roof Attic			430			Existing	No
Roof 13	SbS Units 2nd Floor E	R-19 Roof Attic			430			Existing	No
Interior Floor 13	SbS Units 2nd Floor E>>Community Room	R-11 Floor No Crawlspace			430			Existing	No
Interior Floor 14	SbS Units 2nd Floor E>>Community Room	R-11 Floor No Crawlspace			430			Existing	No
Interior Floor 15	SbS Units 2nd Floor E>>SbS Units 1st Floor E	R-11 Floor No Crawlspace			430			Existing	No
Front Wall 29	SbS Units 2nd Floor S	R-11 Wall	180	Back	207	68	90	Existing	No
Front Wall 30	SbS Units 2nd Floor S	R-11 Wall	180	Back	207	68	90	Existing	No
Parti Wall Side 29	SbS Units 2nd Floor S>>SbS Units 2nd Floor S	R-11 Wall1			171	0		Existing	No
Interior Floor 3	SbS Units 2nd Floor S>>SbS Units 1st Floor S	R-19 Wall1			430	0		New	n/a

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

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Parti Wall Side 30	SbS Units 2nd Floor S>>In-Line Units 2nd Floor	R-11 Wall1			171	0		Existing	No
Interior Floor 4	SbS Units 2nd Floor S>>SbS Units 1st Floor S	R-19 Wall1			430	0		New	n/a
Roof 14	SbS Units 2nd Floor S	R-19 Roof Attic			430			Existing	No
Roof 15	SbS Units 2nd Floor S	R-19 Roof Attic			430			Existing	No
Front Wall 31	SbS Units 2nd Floor W	R-11 Wall	270	Right	207	68	90	Existing	No
Left Wall 7	SbS Units 2nd Floor W	R-11 Wall	0	Front	171	0	90	Existing	No
Front Wall 32	SbS Units 2nd Floor W	R-11 Wall	270	Right	207	68	90	Existing	No
Front Wall 33	SbS Units 2nd Floor W	R-11 Wall	270	Right	207	68	90	Existing	No
Parti Wall Side 31	SbS Units 2nd Floor W>>SbS Units 2nd Floor W	R-11 Wall1			171	0		Existing	No
Parti Wall Side 32	SbS Units 2nd Floor W>>SbS Units 2nd Floor W	R-11 Wall1			171	0		Existing	No
Parti Wall Side 33	SbS Units 2nd Floor W	R-11 Wall1			171	0		Existing	No
Roof 16	SbS Units 2nd Floor W	R-19 Roof Attic			430			Existing	No
Roof 17	SbS Units 2nd Floor W	R-19 Roof Attic			430			Existing	No
Roof 18	SbS Units 2nd Floor W	R-19 Roof Attic			430			Existing	No
Interior Floor 16	SbS Units 2nd Floor W>>SbS Units 1st Floor W	R-11 Floor No Crawlspace			430			Existing	No
Interior Floor 17	SbS Units 2nd Floor W>>SbS Units 1st Floor W	R-11 Floor No Crawlspace			430			Existing	No
Interior Floor 18	SbS Units 2nd Floor W>>SbS Units 1st Floor W	R-11 Floor No Crawlspace			430			Existing	No
Front Wall 34	Community Room	R-11 Wall	90	Left	414	184.02	90	Existing	No

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ATTIC									
01	02	03	04	05	06	07	08	09	10
Name	Construction	Type	Roof Rise	Roof Reflectance	Roof Emittance	Radiant Barrier	Cool Roof	Status	Verified Existing Condition
Attic Bridge Units 2nd Floor N	Attic RoofBridge Units 2nd Floor N	Ventilated	0	0.1	0.85	No	No	Existing	No
Attic Bridge Units 2nd Floor S	Attic RoofBridge Units 2nd Floor S	Ventilated	0	0.1	0.85	No	No	Existing	No
Attic In-Line Units 2nd Floor	Attic RoofIn-Line Units 2nd Floor	Ventilated	0	0.1	0.85	No	No	Existing	No
Attic SbS Units 2nd Floor N	Attic RoofSbS Units 2nd Floor N	Ventilated	0	0.1	0.85	No	No	Existing	No
Attic SbS Units 2nd Floor E	Attic RoofSbS Units 2nd Floor E	Ventilated	0	0.1	0.85	No	No	Existing	No
Attic SbS Units 2nd Floor S	Attic RoofSbS Units 2nd Floor S	Ventilated	0	0.1	0.85	No	No	Existing	No
Attic SbS Units 2nd Floor W	Attic RoofSbS Units 2nd Floor W	Ventilated	0	0.1	0.85	No	No	Existing	No

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

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FENESTRATION / GLAZING										
01	02	03	04	05	06	07	08	09	10	11
Name	Surface (Orientation-Azimuth)	Width (ft)	Height (ft)	Multiplier	Area (ft <sup>2</sup> )	U-factor	SHGC	Exterior Shading	Status	Verified Existing Condition
Window W5	Front Wall (Front-0)	6.0	8.0	1	48.0	0.32	0.25	Insect Screen (default)	New	n/a
Window W1 OH	Front Wall (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window Existing	Left Wall (Left-90)	6.0	4.0	0.25	6.0	0.55	0.67	Insect Screen (default)	Existing	No
Door 6 OH	Front Wall 2 (Back-180)	3.0	6.7	1	20.0	0.32	0.25	Insect Screen (default)	Existing	No
Window W1 OH 2	Front Wall 2 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W2 OH	Front Wall 2 (Back-180)	3.0	5.0	1	15.0	0.32	0.25	Insect Screen (default)	New	n/a
Window Existing 2	Right Wall (Left-90)	6.0	4.0	0.25	6.0	0.55	0.67	Insect Screen (default)	Existing	No
Window W2 OH 2	Right Wall (Left-90)	3.0	5.0	1	15.0	0.32	0.25	Insect Screen (default)	New	n/a
Window W2 OH 3	Right Wall (Left-90)	3.0	5.0	1	15.0	0.32	0.25	Insect Screen (default)	New	n/a
Window W1 OH 3	Front Wall 3 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 4	Front Wall 4 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 5	Front Wall 5 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 6	Front Wall 6 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 7	Front Wall 7 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 8	Front Wall 8 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 9	Front Wall 9 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 10	Front Wall 10 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 11	Rear Wall (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 12	Front Wall 11 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 13	Rear Wall 2 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 14	Rear Wall 3 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 15	Front Wall 12 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 16	Front Wall 12 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 17	Front Wall 13 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 18	Front Wall 13 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 19	Rear Wall 4 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 20	Front Wall 14 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 21	Front Wall 14 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a

Registration Number:

Registration Date/Time:

HERS Provider:

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Window W1 OH 22	Rear Wall 5 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 23	Front Wall 15 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 24	Front Wall 15 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 25	Rear Wall 6 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 26	Front Wall 16 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 27	Front Wall 16 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 28	Front Wall 17 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 29	Front Wall 17 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 30	Front Wall 18 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 31	Front Wall 18 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 32	Front Wall 19 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 33	Front Wall 19 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 34	Front Wall 20 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 35	Front Wall 20 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 36	Front Wall 21 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 37	Front Wall 21 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 38	Front Wall 22 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 39	Front Wall 22 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 40	Front Wall 23 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 41	Front Wall 23 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 42	Front Wall 24 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 43	Front Wall 24 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 44	Front Wall 25 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 45	Front Wall 25 (Front-0)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 46	Front Wall 26 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 47	Front Wall 26 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 48	Front Wall 27 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 49	Front Wall 27 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 50	Front Wall 28 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 51	Front Wall 28 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 52	Front Wall 29 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 53	Front Wall 29 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 54	Front Wall 30 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a

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Window W1 OH 55	Front Wall 30 (Back-180)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 56	Front Wall 31 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 57	Front Wall 31 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 58	Front Wall 32 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 59	Front Wall 32 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 60	Front Wall 33 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 61	Front Wall 33 (Right-270)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Door 6 OH 2	Front Wall 34 (Left-90)	3.0	6.7	1	20.0	0.32	0.25	Insect Screen (default)	Existing	No
Window W1 OH 62	Front Wall 34 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 63	Front Wall 34 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 64	Front Wall 34 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 65	Front Wall 34 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 66	Front Wall 34 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Window W1 OH 67	Front Wall 34 (Left-90)	6.0	4.0	1	24.0	0.32	0.25	Insect Screen (default)	Altered	n/a
Door 6 OH 3	Front Wall 34 (Left-90)	3.0	6.7	1	20.0	0.32	0.25	Insect Screen (default)	Existing	No

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<b>OPAQUE DOORS</b>					
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>
<b>Name</b>	<b>Side of Building</b>	<b>Area (ft<sup>2</sup>)</b>	<b>U-factor</b>	<b>Status</b>	<b>Verified Existing Condition</b>
Door 1	Front Wall	20.0	0.50	Existing	No
Door 1 2	Front Wall 3	20.0	0.50	Altered	No
Door 1 3	Front Wall 4	20.0	0.50	Altered	No
Door 1 4	Front Wall 5	20.0	0.50	Altered	No
Door 1 5	Front Wall 6	20.0	0.50	Altered	No
Door 1 6	Front Wall 7	20.0	0.50	Altered	No
Door 1 7	Front Wall 8	20.0	0.50	Altered	No
Door 1 8	Front Wall 9	20.0	0.50	Altered	No
Door 1 9	Front Wall 10	20.0	0.50	Existing	No
Door 1 10	Front Wall 11	20.0	0.50	Existing	No
Door 1 11	Front Wall 12	20.0	0.50	Existing	No
Door 1 12	Front Wall 13	20.0	0.50	Existing	No
Door 1 13	Front Wall 14	20.0	0.50	Existing	No
Door 1 14	Front Wall 15	20.0	0.50	Existing	No
Door 1 15	Front Wall 16	20.0	0.50	Existing	No
Door 1 16	Front Wall 17	20.0	0.50	Existing	No
Door 1 17	Front Wall 18	20.0	0.50	Existing	No
Door 1 18	Front Wall 19	20.0	0.50	Existing	No
Door 1 19	Front Wall 20	20.0	0.50	Existing	No
Door 1 20	Front Wall 21	20.0	0.50	Existing	No
Door 1 21	Front Wall 22	20.0	0.50	Existing	No
Door 1 22	Front Wall 23	20.0	0.50	Existing	No
Door 1 23	Front Wall 24	20.0	0.50	Existing	No
Door 1 24	Front Wall 25	20.0	0.50	Existing	No
Door 1 25	Front Wall 26	20.0	0.50	Existing	No
Door 1 26	Front Wall 27	20.0	0.50	Existing	No
Door 1 27	Front Wall 28	20.0	0.50	Existing	No
Door 1 28	Front Wall 29	20.0	0.50	Existing	No
Door 1 29	Front Wall 30	20.0	0.50	Existing	No

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

CF1R-PRF-01

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Door 1 30	Front Wall 31	20.0	0.50	Existing	No
Door 1 31	Front Wall 32	20.0	0.50	Existing	No
Door 1 32	Front Wall 33	20.0	0.50	Existing	No

Registration Number:

CA Building Energy Efficiency Standards - 2016 Residential Compliance

Registration Date/Time:

Report Version - CF1R-04302018-1016 SP2

HERS Provider:

Report Generated at: 2018-05-08 11:44:41

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

**Project Name:** Queens Motel Redevelopment

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OVERHANGS AND FINs													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
	Overhang					Left Fin				Right Fin			
Window	Depth	Dist Up	Left Extent	Right Extent	Flap Ht.	Depth	Top Up	Dist L	Bot Up	Depth	Top Up	Dist R	Bot Up
Window W5	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window Existing	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Door 6 OH	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 2	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W2 OH	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window Existing 2	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W2 OH 2	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W2 OH 3	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 3	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 4	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 5	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 6	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 7	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 8	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 9	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 10	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 11	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 12	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 13	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 14	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 15	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 16	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 17	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 18	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 19	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 20	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 21	4	0.1	4	4	0	0	0	0	0	0	0	0	0

Registration Number:

Registration Date/Time:

HERS Provider:

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

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Window W1 OH 22	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 23	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 24	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 25	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 26	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 27	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 28	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 29	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 30	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 31	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 32	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 33	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 34	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 35	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 36	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 37	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 38	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 39	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 40	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 41	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 42	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 43	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 44	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 45	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 46	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 47	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 48	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 49	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 50	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 51	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 52	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 53	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 54	4	0.1	4	4	0	0	0	0	0	0	0	0	0

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Window W1 OH 55	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 56	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 57	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 58	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 59	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 60	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 61	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Door 6 OH 2	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 62	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 63	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 64	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 65	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 66	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Window W1 OH 67	4	0.1	4	4	0	0	0	0	0	0	0	0	0
Door 6 OH 3	4	0.1	4	4	0	0	0	0	0	0	0	0	0

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

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OPAQUE SURFACE CONSTRUCTIONS						
01	02	03	04	05	06	07
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Winter Design U-factor	Assembly Layers
R-11 Wall	Exterior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	R 11	0.110	<ul style="list-style-type: none"> <li>• Inside Finish: Gypsum Board</li> <li>• Cavity / Frame: R-11 / 2x4</li> <li>• Exterior Finish: 3 Coat Stucco</li> </ul>
R-11 Wall1	Interior Walls	Wood Framed Wall	2x4 @ 16 in. O.C.	R 11	0.099	<ul style="list-style-type: none"> <li>• Inside Finish: Gypsum Board</li> <li>• Cavity / Frame: R-11 / 2x4</li> <li>• Other Side Finish: Gypsum Board</li> </ul>
R-19 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O.C.	R 19 in 5-1/2 in. cavity (R-18)	0.074	<ul style="list-style-type: none"> <li>• Inside Finish: Gypsum Board</li> <li>• Cavity / Frame: R-19 in 5-1/2 in. (R-18) / 2x6</li> <li>• Exterior Finish: 3 Coat Stucco</li> </ul>
Attic RoofBridge Units 2nd Floor N	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>
R-19 Roof Attic	Ceilings (below attic)	Wood Framed Ceiling	2x4 @ 24 in. O.C.	R 19	0.049	<ul style="list-style-type: none"> <li>• Inside Finish: Gypsum Board</li> <li>• Cavity / Frame: R-9.1 / 2x4</li> <li>• Over Ceiling Joists: R-9.9 insul.</li> </ul>
R-11 Floor No Crawlspace	Interior Floors	Wood Framed Floor	2x6 @ 16 in. O.C.	R 11	0.067	<ul style="list-style-type: none"> <li>• Floor Surface: Carpeted</li> <li>• Floor Deck: Wood Siding/sheathing/decking</li> <li>• Cavity / Frame: R-11 / 2x6</li> <li>• Ceiling Below Finish: Gypsum Board</li> </ul>
Attic RoofBridge Units 2nd Floor S	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>
Attic RoofIn-Line Units 2nd Floor	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>
Attic RoofSbS Units 2nd Floor N	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>
R-19 Wall1	Interior Walls	Wood Framed Wall	2x6 @ 16 in. O.C.	R 19 in 5-1/2 in. cavity (R-18)	0.069	<ul style="list-style-type: none"> <li>• Inside Finish: Gypsum Board</li> <li>• Cavity / Frame: R-19 in 5-1/2 in. (R-18) / 2x6</li> <li>• Other Side Finish: Gypsum Board</li> </ul>
Attic RoofSbS Units 2nd Floor E	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>
Attic RoofSbS Units 2nd Floor S	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>

Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2016 Residential Compliance

Report Version - CF1R-04302018-1016 SP2

Report Generated at: 2018-05-08 11:44:41

**CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD**

**CF1R-PRF-01**

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Attic RoofSbS Units 2nd Floor W	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 24 in. O.C.	none	0.644	<ul style="list-style-type: none"> <li>• Cavity / Frame: no insul. / 2x4 Top Chrd</li> <li>• Roof Deck: Wood Siding/sheathing/decking</li> <li>• Roofing: Light Roof (Asphalt Shingle)</li> </ul>
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**SLAB FLOORS**

01	02	03	04	05	06	07	08	09
Name	Zone	Area (ft <sup>2</sup> )	Perimeter (ft)	Edge Insul. R-value	Carpeted Fraction	Heated	Status	Verified Existing Condition
Slab-on-Grade	Managers Unit	692	44	None	0.8	No	Existing	No
Slab-on-Grade 2	Managers Unit	473	44	None	0.8	No	Existing	No
Slab-on-Grade 3	Bridge Units 1st Floor N	171	0.1	None	0.8	No	Existing	No
Slab-on-Grade 4	Bridge Units 1st Floor S	171	0.1	None	0.8	No	Existing	No
Slab-on-Grade 5	Bridge Units 1st Floor S	171	0.1	None	0.8	No	Existing	No
Slab-on-Grade 6	In-Line 1st Floor	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 7	In-Line 1st Floor	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 8	SbS Units 1st Floor N	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 9	SbS Units 1st Floor N	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 10	SbS Units 1st Floor E	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 11	SbS Units 1st Floor W	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 12	SbS Units 1st Floor W	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 13	SbS Units 1st Floor W	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 14	SbS Units 1st Floor S	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 15	SbS Units 1st Floor S	442	0.1	None	0.8	No	Existing	No
Slab-on-Grade 16	Community Room	868	0.1	None	0.8	No	Existing	No

**BUILDING ENVELOPE - HERS VERIFICATION**

01	02	03	04
Quality Insulation Installation (QII)	Quality Installation of Spray Foam Insulation	Building Envelope Air Leakage	CFM50
Not Required	Not Required	Not Required	n/a

Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2016 Residential Compliance

Report Version - CF1R-04302018-1016 SP2

Report Generated at: 2018-05-08 11:44:41

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WATER HEATING SYSTEMS								
01	02	03	04	05	06	07	08	09
Name	System Type	Number in Building	Multi-Family Distribution Type	Water Heater	Recirculation Loop	Recirculation Pump Power (bhp)	Recirculation Pump Efficiency (%)	Solar Fraction (%)
DHW Sys 1	Standard	1	Multi-family: No loops or recirc pump	DHW Heater 1				0

WATER HEATERS											
01	02	03	04	05	06	07	08	09	10	11	12
Name	Heater Element Type	Tank Type	Number of Units	Tank Volume (gal)	Uniform Energy Factor / Energy Factor / Efficiency	Input Rating / Pilot / Thermal Efficiency	Tank Insulation R-value (Int/Ext)	Standby Loss / Recovery Eff	First Hour Rating / Flow Rate	NEEA Heat Pump Brand / Model	Tank Location or Ambient Condition
DHW Heater 1	Gas	Large Instantaneous	1	0.100000	0.94 EF	300,000 Btu/hr	0	n/a	n/a	n/a	n/a

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<b>SPACE CONDITIONING SYSTEMS</b>							
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>	<b>07</b>	<b>08</b>
<b>SC Sys Name</b>	<b>System Type</b>	<b>Heating Unit Name</b>	<b>Cooling Unit Name</b>	<b>Fan Name</b>	<b>Distribution Name</b>	<b>Status</b>	<b>Verified Existing Condition</b>
Managers Unit HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 1	Heat Pump System 1	None	None	Altered	No
Bridge Units 1st Floor N HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 2	Heat Pump System 2	None	None	Altered	No
Bridge Units 1st Floor S HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 3	Heat Pump System 3	None	None	Altered	No
Bridge Units 2nd Floor N HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 4	Heat Pump System 4	None	None	Altered	No
Bridge Units 2nd Floor S HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 5	Heat Pump System 5	None	None	Altered	No
In-Line 1st Floor HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 6	Heat Pump System 6	None	None	Altered	No
In-Line Units 2nd Floor HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 7	Heat Pump System 7	None	None	Altered	No
SbS Units 1st Floor N HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 8	Heat Pump System 8	None	None	Altered	No
SbS Units 1st Floor E HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 9	Heat Pump System 9	None	None	Altered	No
SbS Units 1st Floor W HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 10	Heat Pump System 10	None	None	Altered	No
SbS Units 1st Floor S HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 11	Heat Pump System 11	None	None	Altered	No
SbS Units 2nd Floor N HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 12	Heat Pump System 12	None	None	Altered	No
SbS Units 2nd Floor E HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 13	Heat Pump System 13	None	None	Altered	No
SbS Units 2nd Floor S HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 14	Heat Pump System 14	None	None	Altered	No
SbS Units 2nd Floor W HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 15	Heat Pump System 15	None	None	Altered	No
Community Room HVACSys	Heat Pump Heating and Cooling System	Heat Pump System 16	Heat Pump System 16	None	None	Altered	No

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HVAC - HEAT PUMPS									
01	02	03	04	05	06	07	08	09	10
Name	System Type	Heating			Cooling		Zonally Controlled	Multispeed Compressor	HERS Verification
		HSPF/COP	Cap 47	Cap 17	SEER	EER			
Heat Pump System 1	DuctlessMiniSplitHeatPump	8.5	22800	13680	14.5	12	No	No	Heat Pump System 1-hers-cool
Heat Pump System 2	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 2-hers-cool
Heat Pump System 3	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 3-hers-cool
Heat Pump System 4	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 4-hers-cool
Heat Pump System 5	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 5-hers-cool
Heat Pump System 6	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 6-hers-cool
Heat Pump System 7	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 7-hers-cool
Heat Pump System 8	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 8-hers-cool
Heat Pump System 9	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 9-hers-cool
Heat Pump System 10	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 10-hers-cool
Heat Pump System 11	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 11-hers-cool
Heat Pump System 12	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 12-hers-cool
Heat Pump System 13	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 13-hers-cool
Heat Pump System 14	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 14-hers-cool
Heat Pump System 15	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 15-hers-cool
Heat Pump System 16	RoomHeatPump	8.8	10600	6360	12	11.9	No	No	Heat Pump System 16-hers-cool

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<b>IAQ (Indoor Air Quality) FANS</b>					
<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>	<b>06</b>
<b>Dwelling Unit</b>	<b>IAQ CFM</b>	<b>IAQ Watts/CFM</b>	<b>IAQ Fan Type</b>	<b>IAQ Recovery Effectiveness(%)</b>	<b>HERS Verification</b>
DDU-1 Manages Unit 1/1	50	0.25	Default	0	Not Required
DDU-2 Bridge 1/1	20	0.25	Default	0	Not Required
DDU-3 Bridge 1/2	20	0.25	Default	0	Not Required
DDU-4 Bridge 1/2	21	0.25	Default	0	Not Required
DDU-5 Bridge 1/2	21	0.25	Default	0	Not Required
DDU-6 In-Line 1/2	28	0.25	Default	0	Not Required
DDU-7 In-Line 1/4	28	0.25	Default	0	Not Required
DDU-8 Side by Side 1/2	28	0.25	Default	0	Not Required
DDU-9 Side by Side 1/1	28	0.25	Default	0	Not Required
DDU-10 Side by Side 1/3	28	0.25	Default	0	Not Required
DDU-11 Side by Side 1/2	28	0.25	Default	0	Not Required
DDU-12 Side by Side 1/2	28	0.25	Default	0	Not Required
DDU-13 Side by Side 1/3	28	0.25	Default	0	Not Required
DDU-14 Side by Side 1/2	28	0.25	Default	0	Not Required
DDU-15 Side by Side 1/3	28	0.25	Default	0	Not Required
DDU-16 Community Room 1/1	41	0.25	Default	0	Not Required

<b>PROJECT NOTES</b>
<b>Year Built 1967</b>

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<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b>	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: <b>Ghassan Shreim</b>	Documentation Author Signature:
Company: <b>Ruby Rose Sanchez</b>	Signature Date: <b>5/8/2018</b>
Address: <b>2601 Main Street, Suite 730</b>	CEA/HERS Certification Identification (If applicable):
City/State/Zip: <b>Irvine, XA 92614</b>	Phone: <b>949.553.0011</b>
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol style="list-style-type: none"> <li>1. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design identified on this Certificate of Compliance.</li> <li>2. I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>3. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.</li> </ol>	
Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip: ,	Phone:

Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2016 Residential Compliance

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