

CERTIFICA	TE OF CO	MPLIANCE		CALIFORNIA ENERGY COI	RCC-MCH-	
		TORRANCE FIRE STATION #4 Repo	t Page		ge 10 of 1	
Project Name: TORRANCE FIRE STATION #4 Report Page:  Project Address: 5205 Calle Mayor Date Prepared:						
,		323 2312 113/31 (232			9/1/202	
O. DECL	ARATIO	N OF REQUIRED CERTIFICATES OF ACCEPTANCE				
These do	cuments	een made based on information provided in previous tables of this document. If must be provided to the building inspector during construction and can be found rgy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential	I online at			
Yes	No	Form/Title	Systems To Be Fie	ld Verified	nspector	
		NOCE AND TO A CONTROL OF THE CONTROL	and the Makes	Pass	Fail	
•	0	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD A applicable) since testing activities overlap.				
•	0	NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does n move to "Yes'. If Constant Volume Single Zone HVAC Systems are included in the applicant should move this form to "Yes".				
0	•	NRCA-MCH-04-A - Air Distribution Duct Leakage				
0	•	NRCA-MCH-05-A - Air Economizer Controls				
0	•	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for required to employ demand controlled ventilation (refer to <a href="5120.1(c)3">5120.1(c)3</a> ) can ventilation flow rates based on maintaining interior carbon dioxide (CO2) conceptpoints.	ry outside	0		
0	•	NRCA-MCH-07-A Supply Fan Variable Flow Controls				
0	•	NRCA-MCH-08-A Valve Leakage Test				
0	•	NRCA-MCH-09-A Supply Water Temperature Reset Controls				
0	•	NRCA-MCH-10-A Hydronic System Variable Flow Controls				
•	0	NRCA-MCH-11-A Automatic Demand Shed Controls				
0	•	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units				
0	•	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Uni	s Acceptance			
0	•	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance NOTE not automatically move to "Yes". If Distributed Energy System DX AC Systems scope permit applicant should move this form to 'Yes".		0	-	

Registration Date/Time:

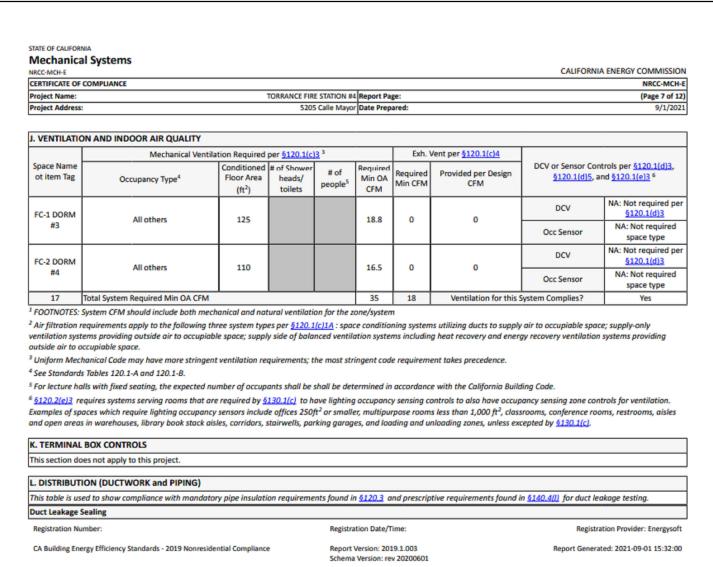
Report Version: 2019.1.003

Schema Version: rev 20200601

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Project Name TORRANCE FIRE STATI		AND COOLING LOAD	3 30 WII	WANT		Date	1/2021
System Name	ON #4					Floor	
CÚ-1/GF-1 3-Ton							1,628
ENGINEERING CHECKS		SYSTEM LOAD					
Number of Systems	1		COIL	COOLING P	EAK	COIL H	rg. PEAK
Heating System			CFM	Sensible	Latent	CFM	Sensible
Output per System	62,400	Total Room Loads	3,289	55,939	39,656	756	28,5
Total Output (Btuh)	62,400	Return Vented Lighting		0			
Output (Btuh/sqft)	38.3	Return Air Ducts		2,797			1,4
Cooling System		Return Fan		0			
Output per System	33,400	Ventilation	2,505	26,941	-57,054	2,505	99,3
Total Output (Btuh)	33,400	Supply Fan		1,535			-1,5
Total Output (Tons)	2.8	Supply Air Ducts	[	2,797			1,43
Total Output (Btuh/sqft)	20.5						
Total Output (sqft/Ton)	584.9	TOTAL SYSTEM LOAD		90,008	-17,398		129,2
Air System							
CFM per System	1,200	HVAC EQUIPMENT SELECTION					
Airflow (cfm)	1,200	Split DX, 3-Ton		30,473	4,653		62,40
Airflow (cfm/sqft)	0.74						
Airflow (cfm/Ton)	431.1						
Outside Air (%)	208.7%	Total Adjusted System Output		30,473	4,653		62,40
Outside Air (cfm/sqft)	1.54		,			_	
			1		Jul 3 PM		Jan 1 A
Note: values above given at ARI	conditions	TIME OF SYSTEM PEAK			00.01.00		
Note: values above given at ARI HEATING SYSTEM PSYCHRO		TIME OF SYSTEM PEAK (Airstream Temperatures at Time of	of Heating	Peak)	00.01		
HEATING SYSTEM PSYCHRO	OMETRICS	(Airstream Temperatures at Time o		Peak)	33.37.11		
		Airstream Temperatures at Time of	of Heating	Peak)			
32 °F	OMETRICS	(Airstream Temperatures at Time o		Peak)			1
HEATING SYSTEM PSYCHRO	32 °F	Airstream Temperatures at Time of	106 °F	Peak)			ļ
32 °F	OMETRICS	Airstream Temperatures at Time of 105 °F  Coil Supply Fan	106 °F	Peak)		1	<b>↓</b> 05 °F
HEATING SYSTEM PSYCHRO	32 °F	Airstream Temperatures at Time of	106 °F	Peak)		1	<b>↓</b> 05 °F
HEATING SYSTEM PSYCHRO	32 °F	Airstream Temperatures at Time of 105 °F  Coil Supply Fan	106 °F	Peak)		ООМ	↓ 05 °F
HEATING SYSTEM PSYCHRO	32 °F	Airstream Temperatures at Time of 105 °F  Coil Supply Fan	106 °F	Peak)		ООМ	05 °F
32 °F Outside Air 2,505 cfm	32 °F	Airstream Temperatures at Time of 105 °F  Coil Supply Fan	106 °F	Peak)		ООМ	1
HEATING SYSTEM PSYCHRO 32 °F Outside Air 2,505 cfm	32 °F	Airstream Temperatures at Time of 105 °F  Coil Supply Fan	106 °F	Peak)		ООМ	1
32 °F Outside Air 2,505 cfm	32 °F Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan 1,200 cfm	106 °F →			ООМ	1
HEATING SYSTEM PSYCHRO 32 °F Outside Air 2,505 cfm	32 °F Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan	106 °F →			ООМ	1
Outside Air 2,505 cfm  69 °F  COOLING SYSTEM PSYCHR	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan 1,200 cfm  (Airstream Temperatures at Time of 105 °F	106 °F →			ООМ	1
32 °F Outside Air 2,505 cfm	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan 1,200 cfm  (Airstream Temperatures at Time 6 5/67 °F 55/53 °F 56/5	106 °F  → □ □ □ □			ООМ	1
Outside Air 2,505 cfm  69 °F  COOLING SYSTEM PSYCHR	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan 1,200 cfm  (Airstream Temperatures at Time of 105 °F	106 °F  → □ □ □ □			ООМ	1
Outside Air 2,505 cfm  69 °F  COOLING SYSTEM PSYCHR  86 / 68 °F  Outside Air	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan 1,200 cfm  (Airstream Temperatures at Time of 1,57 °F 55 / 53 °F 56 / 5	106 °F  → □ □ □ □			ООМ	1
Outside Air 2,505 cfm  69 °F  COOLING SYSTEM PSYCHR	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of 105 °F  Coil Supply Fan 1,200 cfm  (Airstream Temperatures at Time of 1,567 °F 55 / 53 °F 56 / 56 / 56 / 56 / 56 / 56 / 56 / 56	106 °F  → □ □ □ □	Peak)	RC	DOM 58	70 °F
Outside Air 2,505 cfm  69 °F  COOLING SYSTEM PSYCHR  85 / 68 °F  Outside Air	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of Supply Fan  (Airstream Temperatures at Time of State of Supply Fan Supply Fa	106 °F  → □ □ □ □		RC	ООМ	70 °F
Outside Air 2,505 cfm  69 °F  COOLING SYSTEM PSYCHR  85 / 68 °F  Outside Air	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of Supply Fan  (Airstream Temperatures at Time of State of Supply Fan Supply Fa	106 °F  → □ □ □ □	Peak)	RC	DOM 58	70 °F
Outside Air 2,505 cfm  COOLING SYSTEM PSYCHR  COUTSIDE AIR 2,505 cfm	OMETRICS  32 °F  Heating	Airstream Temperatures at Time of Supply Fan  (Airstream Temperatures at Time of State of Supply Fan Supply Fa	106 °F  → □ □ □ □	Peak)	RC	DOM 58	70 °F



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CERTIFICA		MPLIAN	<del></del>				NRCC-MCF
Project Na				STATION #4 Report Page:		(F	Page 11 of : 9/1/20
Project Ac	aaress:		5205 0	Calle Mayor Date Prepared:			9/1/20
O. DECL	ARATIO	N OF RI	EQUIRED CERTIFICATES OF ACCEPTANCE				
		NRCA-	-MCH-15-A Thermal Energy Storage (TES) System Accepta	ance NOTE: This form does not			$\neg$
			natically move to "Yes". If Chilled water Storage, Ice-on-Co				
			nal melt, Ice Harvester, Brine, Ice-Slurry, Eutecti Salt, Clati				
			enic or Encapsulated (Ice Ball) Systems are included in th this form to 'Yes".	e scope, permit applicant should			
•	0	NRCA-	-MCH-16-A Supply Air Temperature Reset Controls				
0	•	NRCA-	-MCH-17-A Condenser Water Temperature Reset Control	s			
•	0	NRCA-	-MCH-18-A Energy Management Control Systems				
0	•	NRCA-	-MCH-19-A Occupancy Sensor Controls				
0	•	NRCA-	-MCH-20 Multi-Family Ventilation				
0	•	NRCA-	-MCH-21 Multi-Family Envelope Leakage				
P. DECLA	ARATIO	N OF RE	QUIRED CERTIFICATES OF VERIFICATION				
			de based on information provided in previous tables of th	is document. If any selection needs to	he changed please evolain why in Table	e F Additional	l Romarks
			e completed by a HERS Rater and provided to the building				
			e at https://www.energy.ca.gov/title24/2019standards/2				,,,
Yes No Form/Title						Field Ins	spector
ies		NO		roiniy itae		Pass	Fail
0		•	NRCV-MCH-04-H Duct Leakaage Test NOTE: Must be con	npleted by a HERS Rater			
0							
		•	NRCV-MCH-27 High-rise Resdential NOTE: Must be com	pleted by a HERS Rater			
0		•	NRCV-MCH-32 Local Mechanical Exhaust NOTE: Must be	e completed by a HERS Rater			
0			-1				
0	DATOR	Y MEAS	SURES DOCUMENTATION LOCATION				
Q. MAN				lan set or construction documentatio	n.		
Q. MAN			SURES DOCUMENTATION LOCATION  ate where mandatory measures are documented in the p	lan set or construction documentatio	n. 02		

Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20200601

M-Sheets

Registration Provider: Energysoft

Report Generated: 2021-09-01 15:32:00

Mandatory Measures Note Block

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Provider: Energysoft

Report Generated: 2021-09-01 15:32:00

System Name   CU-2/GF-2 2-Ton   Floor Area   432	Project Name TORRANCE FIRE STAT		AND COOLING LOAD				Date Q/	1/2021
Number of Systems		ION #4						
Number of Systems								432
Name	ENGINEERING CHECKS		SYSTEM LOAD					
Total Output per System	Number of Systems	1		COIL	COOLING P	EAK	COIL H	rg. PEAK
Cooling System	Heating System							
Output   Bluhksqth   144.4   Return Air Ducts   977   838	Output per System			1,089		10,523	442	16,719
Return Fan	Total Output (Btuh)		Return Vented Lighting					
Output per System 23,400 Total Output (Btuh) 23,400 Total Output (Btuh) 23,400 Supply Fan 1,013 Total Output (Btuh) 54.2 Total Output (Btuh)sqft) 54.2 Total Output (Btuh)sqft) 54.2 Total Output (gqft/Ton) 221.5 TOTAL SYSTEM LOAD 30,276 8,441 43,849 Air System  CFM per System 800 Airflow (cfm) 800 Airflow (cfm/sqft) 1.85 Airflow (cfm/sqft) 1.85 Outside Air (%) 83.1% Outside Air (cfm/sqft) 1.54 Note: values above given at ARI conditions TIME OF SYSTEM PEXCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 F  Outside Air  COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  86/68 F  84/67 F  S5/54 F  Outside Air  Cooling Coil Supply Fan 800 cfm  800 cfm  61.6%  ROOM  TOTAL SYSTEM PSOCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86/68 F  84/67 F  S5/55 F  Supply Fan 800 cfm  61.6%  ROOM  TOTAL SYSTEM PSOCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)	Output (Btuh/sqft)	144.4	Return Air Ducts					
Total Output (Bluh) 23,400  Total Output (Bluh) 23,400  Total Output (Tons) 2.0  Total Output (Bluh/sqft) 54.2  Airflow (cfm) 800  Airflow (cfm) 800  Airflow (cfm/sqft) 1.85  Airflow (cfm/sqft) 1.85  Airflow (cfm/sqft) 1.54  Outside Air (fw) 38.11%  Outside Air (fw) 38.11%  Outside Air (cfm/sqft) 1.54  Note: values above given at ARI conditions  Time Of System Output  (Adjusted System Output  (Adjusted For Peak Design conditions)  Time Of System Peak  Aug 3 PM  Jan 1 AM  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  COULSIde Air  BOO Cfm  COULING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COULSIde Air  BOO Cfm  COULING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COULSIDE Air Foot State	Cooling System				-			
Total Output (Tons) 2.0 Total Output (Btuh/sqft) 54.2 Total Output (sqft/Ton) 221.5 TOTAL SYSTEM LOAD 30.276 8.441 43,849 Air System  CFM per System 800 Air Flow (cfm) 800 Spit DX, 2-Ton 20.208 4.254 62,400 Airflow (cfm/Ton) 410.3 Outside Air (%) 83.1% Outside Air (fm/sqft) 1.54 Outside Air (cfm/sqft) 1.54 Note: values above given at ARI conditions  TIME OF SYSTEM PEAK Aug 3 PM Jan 1 AM HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  86/68 F 84/67 F 55/54 F 56/54 F  Outside Air Cooling Coil Supply Fan 800 cfm  87/55 F  Outside Air Cooling Coil Supply Fan 800 cfm  88/60 F  88/6	Output per System		Ventuation	665		-2,082	665	
Total Output (Stuh/sqft) 54.2 Total Output (sqft/Ton) 221.5 TOTAL SYSTEM LOAD 30.276 8,441 43,849  Air System  CFM per System 800 HVAC EQUIPMENT SELECTION  Airflow (cfm) 800 Spit DX, 2-Ton 20,208 4,254 62,400  Airflow (cfm/Ton) 410.3 Outside Air (cfm/sqft) 1.55  Outside Air (cfm/sqft) 1.54  Note: values above given at ARI conditions TIME OF SYSTEM PEAK Aug 3 PM Jan 1 AM  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  80 F  Outside Air F 55/54 F 56/54 F  Outside Air Cooling Coil Supply Fan 800 cfm  800 cfm  ROOM  105 F  Outside Air F 55/54 F  S6/54 F  Supply Fan 800 cfm  800 cfm  ROOM  105 F  ROOM  105 F  Supply Fan 800 cfm	Total Output (Btuh)		Supply Fall					
Total Output (sqft/Ton)	Total Output (Tons)		Supply Air Ducts		977			836
Air System  CFM per System  Airflow (cfm)  Airflow (cfm)  Airflow (cfm/Con)  Airflow (cfm/Con)  Airflow (cfm/Con)  Airflow (cfm/Son)  Airflow (cfm	Total Output (Btuh/sqft)							
Airflow (cfm) 800 Split DX, 2-Ton 20,208 4,254 62,400  Airflow (cfm/sqft) 1.85  Airflow (cfm/ron) 410.3  Outside Air (cfm/sqft) 1.54  Note: values above given at ARI conditions  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 *F  Outside Air (cfm/sqft) 105 *F  Outside Air (c	Total Output (sqft/Ton)	221.5	TOTAL SYSTEM LOAD		30,276	8,441		43,849
Airflow (cfm) 800 Split DX, 2-Ton 20,208 4,254 62,400  Airflow (cfm/sqft) 1.85  Airflow (cfm/sqft) 410.3  Outside Air (cfm/sqft) 1.54  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK Aug 3 PM  Jan 1 AM  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air (cfm/sqft) 105 °F  Outs	Air System							
Airflow (cfm/sqft) 1.85  Airflow (cfm/Ton) 410.3  Outside Air (%) 83.1%  Outside Air (cfm/sqft) 1.54  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK Aug 3 PM  Jan 1 AM  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32   FOULSIDE AIR COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68   84 / 67   Supply Fan 800 cfm  Cooling Coil Supply Fan 800 cfm  ROOM  105   FOULSIDE AIR COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)	CFM per System	800	HVAC EQUIPMENT SELECTION					
Airflow (cfm/Ton) 410.3  Outside Air (%) 83.1%  Outside Air (efm/sqft) 1.54  Note: values above given at ARI conditions  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air 665 cfm  Heating Coil  Supply Fan 800 cfm  80 cfm  Supply Fan 800 cfm  80 cfm  Supply Fan 800 cfm  Supply Fan 800 cfm  Supply Fan 800 cfm  80 cfm  Supply Fan 800 cfm	Airflow (cfm)	800	Split DX, 2-Ton		20,208	4,254	L	62,400
Outside Air (cfm/sqrt)  Outside Air (cfm/sqrt)  Note: values above given at ARI conditions  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air (cfm/sqrt)  1.54  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK  Aug 3 PM  Jan 1 AM  Jan 1 AM  Total Adjusted System Output  (Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK  Aug 3 PM  Jan 1 AM  Total Adjusted System Output  (Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK  Aug 3 PM  Aug 3 PM  FROOM  To °F  Outside Air  665 cfm  ROOM  To °F  Sol / 54 °F  Outside Air  Cooling Coil  Supply Fan  800 cfm  Supply Fan  800 cfm  ROOM  FROOM	Airflow (cfm/sqft)	1.85					L	
Outside Air (cfm/sqft) 1.54  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK Aug 3 PM Jan 1 AM  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F 38 °F 105 °F 106 °F  Outside Air Heating Coil Supply Fan 800 cfm  ROOM 70 °F  COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  84 / 67 °F 55 / 54 °F 56 / 54 °F  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  ROOM 105 °F  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  ROOM 105 °F  Supply Fan 800 cfm  61.6% ROOM 105 °F  ROOM 105 °F  Supply Fan 800 cfm  ROOM 105 °F  Outside Air 665 cfm	Airflow (cfm/Ton)	410.3						
Outside Air certainsqrt)  Note: values above given at ARI conditions  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air  665 cfm  Heating Coll  Supply Fan  800 cfm  ROOM  70 °F  Outside Air  665 cfm  Cooling SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 °F  Outside Air  665 cfm  ROOM  61.6%  ROOM  61.6%  ROOM  61.6%	Outside Air (%)	83.1%			20,208	4,254	L	62,400
HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F	Outside Air (cfm/sqft)	1.54	(Adjusted for Peak Design conditions)					
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86/68 F  Outside Air  Cooling Coil  Supply Fan  800 cfm						Aug 3 PM		Jan 1 AM
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 °F  Outside Air  Cooling Coil  Supply Fan  800 cfm  ROOM  70 °F  56 / 54 °F  Outside Air  665 cfm  Cooling Coil  Supply Fan  800 cfm  61.6%  ROOM	HEATING SYSTEM PSYCHR	OMETRICS	(Airstream Temperatures at Time	of Heating	Peak)			
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 %  84 / 67 % 55 / 54 % 56 / 54 % F  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  61.6%  ROOM	32 °F	38 °F	105 °F	106 °F				
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 %  84 / 67 % 55 / 54 %  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  81.6%  ROOM  61.6%								
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 %  84 / 67 % 55 / 54 % 56 / 54 % F  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  81 / 67 % 55 / 54 % F  ROOM 61.6%  ROOM	<del></del>	<b>→</b>   <b>=</b>		<b>→</b> []				1
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 °F  84 / 67 °F  55 / 54 °F  Outside Air  665 cfm  Cooling Coil  Supply Fan  800 cfm  61.6%  ROOM	0.1.14	_	Superby For	1				+
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 °F  84 / 67 °F  55 / 54 °F  Outside Air  665 cfm  Cooling Coil  Supply Fan  800 cfm  61.6%  ROOM	-	Library Committee on a	Out Supply Far				1	05 °F
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 °F  84 / 67 °F  55 / 54 °F  Outside Air  665 cfm  Cooling Coil  Supply Fan  800 cfm  61.6%  ROOM	-	Heating	Coll					
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  86 / 68 °F  84 / 67 °F  Outside Air  665 cfm  Cooling Coil  Supply Fan  800 cfm  61.6%  ROOM	-	Heating	Coll			DC		
86 / 68 °F	-	Heating	Coll			RC	OM	. ?
86 / 68 °F	665 cfm	Heating	Coll			RO		70 °F
84/67 °F 55/54 °F 56/54 °F  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  61.6%  ROOM	665 cfm	Heating (	Coll			RO		70 °F
84/67 °F 55/54 °F 56/54 °F  Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  61.6%  ROOM	665 cfm	Heating (	Coll			RC		70 °F
Outside Air 665 cfm  Cooling Coil Supply Fan 800 cfm  61.6%  ROOM	665 cfm	_•	800 cfm	of Cooling	Peak)	RC		70 °F
Outside Air 665 cfm  Cooling Coil  Supply Fan 800 cfm  61.6%  ROOM	69 °F  COOLING SYSTEM PSYCHR	- <b>₹</b>	(Airstream Temperatures at Time		Peak)	RC		70 °F
665 cfm Cooling Coil Supply Fan 800 cfm 61.6% ROOM	69 °F  COOLING SYSTEM PSYCHR	- <b>₹</b>	(Airstream Temperatures at Time		Peak)	RC		70 °F
800 cfm 61.6% ROOM	69 °F  COOLING SYSTEM PSYCHR	- <b>₹</b>	(Airstream Temperatures at Time		Peak)	RO		70 °F
61.6% ROOM	665 cfm 69 °F  COOLING SYSTEM PSYCHR 86 / 68 °F	- <b>₹</b>	(Airstream Temperatures at Time		Peak)	RO		70 °F
and the second s	665 cfm 69 °F  COOLING SYSTEM PSYCHR 86 / 68 °F  Outside Air	- <b>₹</b>	(Airstream Temperatures at Time		Peak)	RC	-	
75 / 65 °F	665 cfm 69 °F  COOLING SYSTEM PSYCHR 86 / 68 °F  Outside Air	- <b>₹</b>	(Airstream Temperatures at Time				57	
	665 cfm 69 °F  COOLING SYSTEM PSYCHR 86 / 68 °F  Outside Air	- <b>₹</b>	(Airstream Temperatures at Time				57	
	665 cfm 69 °F  COOLING SYSTEM PSYCHR 86 / 68 °F  Outside Air 665 cfm	- <b>₹</b>	(Airstream Temperatures at Time				57 DOM	/55 °F

RCC-MCH-E					CALIFORNIA	ENERGY COMMISSION		
CERTIFICATE OF COM	PLIANCE					NRCC-MCH-		
Project Name: Project Address:			TORRANG	CE FIRE STATION #4 Report Page 5205 Calle Mayor Date Prepare		(Page 8 of 12 9/1/202		
Project Address:				5205 Calle Mayor Date Prepar	20:	9/1/202		
L. DISTRIBUTION	(DUCTWORK	and PIPING)						
			lowing duct systems:	CU-2/GF-2 2-Ton	Duct leakage testing triggered for these systems?	No		
11	No	The scope of the	e project includes only	duct systems serving healthca	are facilities			
12	Yes	Duct system pro	wides conditioned air to	o an occupiable space for a co	onstant volume, single zone, space-conditioning system.			
13	Yes	The space condi	tioning system serves l	ess than 5,000 ft <sup>2</sup> of condition	ned floor area.			
14	No				more than 25% of the total surface area of the entire duc	t system:		
			Outdoors	•				
					greater than the u-factor of the ceiling, or if the roof doe: d vents or openings to the outside/ unconditioned space:			
			In an unconditioned of	crawl space				
			In other unconditions	ed spaces				
15		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.						
16		The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.						
17	Yes	Duct system sha	Il be sealed in acordan	ce with the California Mechar	nical Code			
The answers to the	questions belo	ow apply to the fol	lowing duct systems:	VRF-1 1.5-Ton	Duct leakage testing triggered for these systems?	No		
11	No	The scope of the project includes only duct systems serving healthcare facilities						
12	No	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.						
13	Yes	The space condi	itioning system serves l	ess than 5,000 ft <sup>2</sup> of condition	ned floor area.			
14	No	The combined surface area of the ducts in the following locations is more than 25% of the total surface area of the entire duct system:						
			Outdoors					
					greater than the u-factor of the ceiling, or if the roof doe: d vents or openings to the outside/ unconditioned space:			
			In an unconditioned o	crawl space				
			In other unconditions	ed spaces				
15		The scope of the	e project includes exter	nding an existing duct system,	which is constructed, insulated or sealed with asbestos.			
16					umented to have been previously sealed as confirmed the ce Nonresidential Appendix NA2.	rough field verification		
17	Yes	Duct system sha	II be sealed in acordan	ce with the California Mechar	nical Code			

Report Version: 2019.1.003

Schema Version: rev 20200601

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

NRCC-MCH-E	
CERTIFICATE OF COMPLIANCE	
Project Name:	TORRANCE FIRE STATION #4 Report Page:
Project Address:	5205 Calle Mayor Date Prepared:
DOCUMENTATION AUTHOR'S DECLARATION STA	MENT
I certify that this Certificate of Compliance docu	entation is accurate and complete.
Documentation Author Name: Curesh Dallalzadeh	Documentation Author Signature:  Curesh Dallalzadsh
Company: Curesh Engineering	Signature Date: 2021-09-01
Address: 1659 Wellesley Avenue	CEA/ HERS Certification Identification (if applicable): 7221
City/State/Zip: Los Angeles CA 90025	Phone: (310)775-7662
RESPONSIBLE PERSON'S DECLARATION STATEME	T .
I certify the following under penalty of perjury, under the laws of th	
<ol> <li>The information provided on this Certificate of Complia</li> </ol>	
<ol><li>The energy features and performance specifications, m</li></ol>	ns Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) rials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the
of Title 24, Part 1 and Part 6 of the California Code of Ri 4. The building design features or system design features in plans and specifications submitted to the enforcement	ntified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, or
5. I will ensure that a completed signed copy of this Certif	e of Compliance shall be made available with the building permit[s] issued for the building, and made available to the enforcement agency for al this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: Curesh Dallalzadeh, PE	Responsible Designer Signature: Curesh Dallalzadeh
Company: CURESH ENGINEERING	Date Signed: 2021-09-01
Address: 1659 Wellesley Ave,	License: Principal
City/State/Zip: Los Angeles CA 90025	Phone: (310)775-7662

System Name	Project Name TORRANCE FIRE STATI	ON #4					Date	/1/2021
ENGINEERING CHECKS Number of Systems   Total Room Loads   Coll. COOLING PEAK   COll. HTG. PEAK		ON #4					_	
Number of Systems  Heating System  Output per System  Output per System  Output (Bituh) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VRF-1 1.5-Ton							235
Heating System Output per System Output per System Output (Btuhh) 0 0 Return Vented Lighting Return Air Ducts Cooling System Output per System Output (Btuhh) 17,000 Total Output (Btuhh) 18,000 Air System  CFM per System  CFM per System  O HVAC EQUIPMENT SELECTION Airflow (cfm) 0 VRF-1 10,437 8,315 Outside Air (%) 0,000 Air Outside Air (%) 0,000 Outside Air (%) 0,000 Outside Air (femisqft) 0,000 Outside Air (femisqft) 0,000 Air Outside Air (femisqft) 0,000 Outsi	ENGINEERING CHECKS		SYSTEM LOAD					
Total Output (Btuh)	Number of Systems	1		COIL	COOLING	PEAK	COIL H	TG. PEAK
Total Output (Buth)	Heating System			CFM		Latent	CFM	
Output (Bluh/sqft) 0.0 Cooling System 17,000 Output per System 17,000 Total Output (Bluh) 17,000 Total Output (Bluh) 17,000 Supply Fan Supply F	Output per System		Total Room Loads		7,758			5,04
Cooling System 17.000 Total Output (Bluh) 17.000 Total Output (Bluh) 17.000 Total Output (Bluh) 17.000 Total Output (Bluh) 17.000 Total Output (Bluh/sqft) 72.3 Total Output (Bluh/sqft) 72.3 Total Output (Bluh/sqft) 72.3 Total Output (Bluh/sqft) 70.3 Air System 0 Air System 0 Air Mark (cfm) 0 VRR-1 10.437 8.315 Airflow (cfm) 0 VRR-1 10.437 8.315 Airflow (cfm/ron) 0.00 Airflow (cfm/ron) 0.00 Outside Air (S) 0.004 Airflow (cfm/sqft) 0.00 Note: values above given at ARI conditions TIME OF SYSTEM PEAK Jul 4 PM Jan 1 A HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  55/68 F 79/70 F 52/52*F  Outside Air Octin System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85/68 F 79/70 F 52/52*F  Outside Air Octin System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)	Total Output (Btuh)	_	Return Vented Lighting					
Output per System 17,000 Total Output (Btuh) 17,000 Total Output (Btuh) 17,000 Total Output (Btuh) 17,000 Supply Fan Supp	Output (Btuh/sqft)	0.0	Return Air Ducts					
Total Output (Btuh) 17,000 Total Output (Stuh) 17,000 Total Output (Stuh) 17,000 Total Output (Stuh) 165.9 TOTAL SYSTEM LOAD 7,758 5,04  Air System OFM per System 0 HVAC EQUIPMENT SELECTION Airflow (cfm) 0 VRF-1 10,437 8,315 Airflow (cfm/sqft) 0.00 Airflow (cfm/sqft) 0.00 Outside Air (%) 0.0% Outside Air (%) 0.0% Total Adjusted System Output (Adjusted for Peak Design conditions) Note: values above given at ARI conditions HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  85 / 68 *F  79 / 70 *F  S2 / 52 *F  Outside Air O cfm Cooling Coil  85 / 68 *F  79 / 70 *F  S2 / 52 *F  Outside Air O cfm Cooling Coil	Cooling System		Return Fan					
Total Output (Tons) 1.4 Total Output (Btuh/sqft) 72.3 Total Output (sqft/Ton) 165.9 TOTAL SYSTEM LOAD 7.758 5.04  Air System	Output per System							
Total Output (Stuh/agft) 72.3 Total Output (sqft/Ton) 165.9 TOTAL SYSTEM LOAD 7.758 5.04  Air System  OFM per System 0 HVAC EQUIPMENT SELECTION  Airflow (cfm) 0 VRF-1 10.437 8.315  Airflow (cfm/Ton) 0.0 Outside Air (s/m/sqft) 0.00  Note: values above given at ARI conditions TiME OF SYSTEM PEAK Jul 4 PM Jan 1 A  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  S2 *F  Outside Air Oction System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  S5 / 58 *F  79 / 70 *F 52 / 52 *F  Outside Air Oction System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COULSIDE Air Oction System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  COULSIDE Air Oction System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)	Total Output (Btuh)		Supply Fan					
Total Output (sqft/Ton) 165.9  Air System  CFM per System 0 HVAC EQUIPMENT SELECTION  Airflow (cfm) 0 VRF-1 10,437 8,315  Airflow (cfm/sqft) 0.00  Airflow (cfm/sqft) 0.00  Outside Air (%) 0.00  Outside Air (%) 0.00  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air (Cfm/sqft) 10.5 °F  ROOM 10.5 °F  Outside Air (Cfm/sqft) 10.5 °F	Total Output (Tons)		Supply Air Ducts					
Air System  CFM per System  OFM per System  OF	Total Output (Btuh/sqft)							
CFM per System  Airflow (cfm)  Airflow (cfm)  Airflow (cfm/sqft)  Outside Air (%)  Outside Air (refn/sqft)  Outside Air (	Total Output (sqft/Ton)	165.9	TOTAL SYSTEM LOAD		7,758			5,04
Airflow (cfm) 0 VRF-1 10,437 8,315  Airflow (cfm/sqft) 0.00  Airflow (cfm/Ton) 0.0  Outside Air (%) 0.0%  Outside Air (fm/sqft) 0.00  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK Jul 4 PM Jan 1 A  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air 0 cfm Heating Coll  TO cfm Heating Coll  TO cfm To colling System PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  Outside Air 0 cfm Cooling Coll  TO	Air System							
Airflow (cfm/sqft) 0.00  Airflow (cfm/sqft) 0.00  Outside Air (%) 0.0%  Outside Air (%) 0.00  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air 0 cfm  Heating Coil  Total Adjusted System Output (Adjusted System Output (Adjusted for Peak Design conditions)  TIME OF SYSTEM PEAK  Jul 4 PM  Jan 1 A  ROOM  TO °F  Outside Air 0 cfm  Cooling SySTEM PSYCHROMETRICS (Airstream Temperatures at Time of Gooling Peak)  85 ′ 68 °F  Outside Air 0 cfm  Cooling Coil  St / 52 °F  Outside Air 0 cfm  Cooling Coil	CFM per System	0	HVAC EQUIPMENT SELECTION					
Airflow (cfm/Ton) Outside Air (%) Outside Air (cfm/sqft) Outside Air (sqft) Outside Air	Airflow (cfm)	0	VRF-1		10,437	8,315		
Outside Air (cfm/sqft)  Note: values above given at ARI conditions  TIME OF SYSTEM PEAK  Jul 4 PM  Jan 1 A  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air O cfm  Heating Coil  Total Adjusted System Output (Adjusted System Output (Adjusted For Peak Design conditions)  TIME OF SYSTEM PEAK  Jul 4 PM  Jan 1 A  ROOM  70 °F  ROOM  70 °F  Outside Air O cfm  Cooling SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  S2 / 52 °F  Outside Air O cfm  Cooling Coil  ROOM  ROOM  ROOM  ROOM  ROOM	Airflow (cfm/sqft)	0.00					[	
Outside Air (cfm/sqft) 0.00  Note: values above given at ARI conditions  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air 0 cfm  Heating Coil  TO cfm  To "F  Outside Air 0 cfm  Cooling SySTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  Outside Air 0 cfm  Cooling Coil  ROOM  TO "F  Outside Air 0 cfm	Airflow (cfm/Ton)	0.0					[	
Outside Air (cfm/sqrt)  Note: values above given at ARI conditions  HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air  O cfm  Heating Coil  TIME OF SYSTEM PEAK  Jul 4 PM  Jan 1 A  FROOM  TO °F  Outside Air  O cfm  FROOM  TO °F  Outside Air  Cooling SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85/68 °F  79/70 °F  52/52 °F  Outside Air  Cooling Coil  86.1%  ROOM	Outside Air (%)	0.0%	Total Aujusteu System Output		10,437	8,315		
HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 *F	Outside Air (cfm/sqft)	0.00	(Adjusted for Peak Design conditions)					
HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)  32 °F  Outside Air  O cfm  Heating Coil  104 °F  ROOM  70 °F  COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  Outside Air  O cfm  Cooling Coil  86.1%  ROOM	Note: values above given at ARI	conditions	TIME OF SYSTEM PEAK			Jul 4 PM		Jan 1 A
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  52 / 52 °F  Outside Air  0 cfm  Cooling Coil  86.1%  ROOM	HEATING SYSTEM PSYCHRO	OMETRICS	(Airstream Temperatures at Time of	of Heating	Peak)			
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  52 / 52 °F  Outside Air  0 cfm  Cooling Coil  86.1%  ROOM	22.05	E0.0F	105.05					
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  S2 / 52 °F  Outside Air 0 cfm  Cooling Coil  86.1%  ROOM	32 T	50 T	105 -	_				
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  S2 / 52 °F  Outside Air 0 cfm  Cooling Coil  86.1%  ROOM	<del></del>	→≡		H		i——		_
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  52 / 52 °F  Outside Air  0 cfm  Cooling Coil  86.1%  ROOM	-		1			Ħ		<b>↓</b>
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85/68 °F  79/70 °F  52/52 °F  Outside Air  0 cfm  Cooling Coil  86.1%  ROOM	0 cfm	Heating	Coil					104 °F
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85/68 °F  79/70 °F  52/52 °F  Outside Air  0 cfm  Cooling Coil  86.1%  ROOM	<b>†</b>							
COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)  85 / 68 °F  79 / 70 °F  52 / 52 °F  Outside Air  0 cfm  Cooling Coil  86.1%  ROOM						RC	OM	JIH .
85 / 68 °F 79 / 70 °F 52 / 52 °F  Outside Air 0 cfm Cooling Coil 54 / 52 °F  ROOM	69 °F							70 °F
85 / 68 °F 79 / 70 °F 52 / 52 °F  Outside Air 0 cfm Cooling Coil 54 / 52 °F  ROOM	-		Я					
85 / 68 °F 79 / 70 °F 52 / 52 °F  Outside Air 0 cfm Cooling Coil 54 / 52 °F  ROOM	•	•						
85 / 68 °F 79 / 70 °F 52 / 52 °F  Outside Air 0 cfm Cooling Coil 54 / 52 °F  ROOM								
Outside Air 0 cfm Cooling Coil 86.1% ROOM	COOLING SYSTEM PSYCHR	OMETRICS	(Airstream Temperatures at Time	of Cooling	Peak)			
0 cfm Cooling Coil 54 / 52 °F ROOM ROOM	85 / 68 °F	79	9/70°F 52/52°F					
0 cfm Cooling Coil 54 / 52 °F ROOM ROOM						0		
0 cfm			<b>+</b>	<b>→</b> []				
ROOM ROOM	Outside Nie			<u> </u>			54	1/52 °F
	-							
76/71°F	-		Cooling Coil				Open (Alberta	
	-		Cooling Coil		86.19	% RC	МО	3
	0 cfm		Cooling Coil		86.19	RC		1 / 71 °E

Project Name: TORRANCE FIRE STATION #4 Report Page: Project Address: 5205 Calle Mayor Date Prepared:  M. COOLING TOWERS This section does not apply to this project.  N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additiona These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/  Yes No Form/Title Field In: Pass
M. COOLING TOWERS  This section does not apply to this project.  N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additiona These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/  Yes No Form/Title Field In:
This section does not apply to this project.  N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additiona These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/  Yes No Form/Title Field In:
N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION  Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additiona These documents must be provided to the building inspector during construction and can be found online at  https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/  Yes No Form/Title Field In:
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additiona These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/  Yes No Form/Title Field In:
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additiona These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/  Yes No Form/Title Field In:
Pass
NRCI-MCH-01-E - Must be submitted for all buildings
Mucri-wich-nt-E - Minst be applitited for all politicities

Registration Date/Time:

Report Version: 2019.1.003

Schema Version: rev 20200601

Registration Number:

Report Generated: 2021-09-01 15:32:00

Registration Provider: Energysoft

Report Generated: 2021-09-01 15:32:00

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

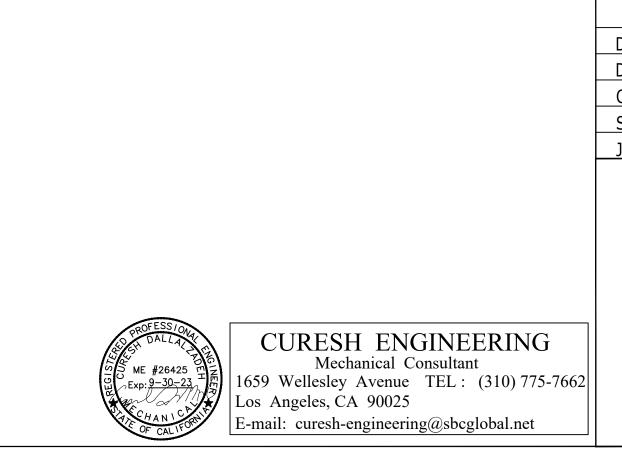
Registration Provider: Energysoft

Report Generated: 2021-09-01 15:32:00

STATE OF CALIFORNIA					
Mechanical Systems					
NRCC-MCH-E	CALIFORNIA ENERGY COMMISSION				
CERTIFICATE OF COMPLIANCE	NRCC-MCH-E				
Project Name: TORRANCE FIRE S	STATION #4 Report Page: (Page 12 of 12)				
Project Address: 5205 C	Calle Mayor Date Prepared: 9/1/2021				
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT					
I certify that this Certificate of Compliance documentation is accurate and	d complete.				
Documentation Author Name: Curesh Dallalzadeh	Documentation Author Signature:  Curesh Dallalzadsh				
Company: Curesh Engineering	Signature Date: 2021-09-01				
Address:	CEA/ HERS Certification Identification (if applicable):				
1659 Wellesley Avenue	7221				
City/State/Zip:	Phone:				
Los Angeles CA 90025	(310)775-7662				
RESPONSIBLE PERSON'S DECLARATION STATEMENT					
I certify the following under penalty of perjury, under the laws of the State of California:					
The information provided on this Certificate of Compliance is true and correct.     I am eligible under Division 3 of the Business and Professions Code to accept responsibility	y for the building design or system design identified on this Certificate of Compliance (responsible designer)				
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the required file 24, Part 1 and Part 6 of the California Code of Regulations.					
	rpliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, ling permit application.				
	available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable required to be included with the documentation the builder provides to the building owner at occupancy.				
Responsible Designer Name: Curesh Dallalzadeh, PE	Responsible Designer Signature: Curssh Dallalzadsh				
Company: CURESH ENGINEERING	Date Signed: 2021-09-01				
Address:	License:				
1659 Wellesley Ave,	Principal				
City/State/Zip:	Phone:				

Registration Date/Time:

Report Version: 2019.1.003



.NT .RENOV OF TORRANCE DEPARTME

24

CITY OF TORF FIRE DEPAR FIRE STATIC 5205 CALLE MAYOR TORRANCE, CA 9050 **11**E Issue

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