

Building Component	Compliance Path	Compliance Forms (required for submit)	Location of Mandatory Notes on Plans
Envelope	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-ENV-DETAILS (section of the NRC-PRF-01-E) NRC-ENV-01_02 / 03 / 04 / 05 / 06-E	
Mechanical	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-MCH-DETAILS (section of the NRC-PRF-01-E) NRC-MCH-01_02 / 03 / 04 / 05 / 06 / 07-E	
Domestic Hot Water	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-DHW-DETAILS (section of the NRC-PRF-01-E) NRC-PRF-01-E	
Lighting (Indoor/Conditioned)	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-LT-DETAILS (section of the NRC-PRF-01-E) NRC-LT-01_02 / 03 / 04 / 05-E	
Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S2 (section of the NRC-PRF-01-E) NRC-PRC-01 / 03-E	
Covered Process: Computer Rooms	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S3 (section of the NRC-PRF-01-E) NRC-PRC-01 / 04-E	
Covered Process: Laboratory Exhaust	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S4 (section of the NRC-PRF-01-E) NRC-PRC-01 / 09-E	

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY
 Identify which building components use the performance or prescriptive path for compliance. "NA" is not in project. For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

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Envelope	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-ENV-DETAILS (section of the NRC-PRF-01-E) NRC-ENV-01_02 / 03 / 04 / 05 / 06-E	
Mechanical	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-MCH-DETAILS (section of the NRC-PRF-01-E) NRC-MCH-01_02 / 03 / 04 / 05 / 06 / 07-E	
Domestic Hot Water	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-DHW-DETAILS (section of the NRC-PRF-01-E) NRC-PRF-01-E	
Lighting (Indoor/Conditioned)	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-LT-DETAILS (section of the NRC-PRF-01-E) NRC-LT-01_02 / 03 / 04 / 05-E	
Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S2 (section of the NRC-PRF-01-E) NRC-PRC-01 / 03-E	
Covered Process: Computer Rooms	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S3 (section of the NRC-PRF-01-E) NRC-PRC-01 / 04-E	
Covered Process: Laboratory Exhaust	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S4 (section of the NRC-PRF-01-E) NRC-PRC-01 / 09-E	

Building Component	Compliance Path	Compliance Forms (required for submit)	Location of Mandatory Notes on Plans
Envelope	<input checked="" type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-ENV-DETAILS (section of the NRC-PRF-01-E) NRC-ENV-01_02 / 03 / 04 / 05 / 06-E	
Mechanical	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-MCH-DETAILS (section of the NRC-PRF-01-E) NRC-MCH-01_02 / 03 / 04 / 05 / 06 / 07-E	
Domestic Hot Water	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-DHW-DETAILS (section of the NRC-PRF-01-E) NRC-PRF-01-E	
Lighting (Indoor/Conditioned)	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	NRC-PRF-LT-DETAILS (section of the NRC-PRF-01-E) NRC-LT-01_02 / 03 / 04 / 05-E	
Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S2 (section of the NRC-PRF-01-E) NRC-PRC-01 / 03-E	
Covered Process: Computer Rooms	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S3 (section of the NRC-PRF-01-E) NRC-PRC-01 / 04-E	
Covered Process: Laboratory Exhaust	<input type="checkbox"/> Performance <input type="checkbox"/> Prescriptive	S4 (section of the NRC-PRF-01-E) NRC-PRC-01 / 09-E	

C. PRIORITY PLAN CHECK/INSPECTION ITEMS (In order of highest to lowest TDV energy savings)

Item	Description	Priority	Energy Savings (kWh/yr)	Penalty	Energy Credit
1st	Indoor Lighting: Check lighting	High	9.14		
2nd	Indoor Fans: Check envelope and mechanical	Medium	5.42		
3rd	Space Cooling: Check envelope and mechanical	Medium	11.64		
4th	Heat Rejection: Check envelope and mechanical	Medium	13.49		
5th	Pumps & Misc.: Check mechanical	Medium	30.29		
6th	Domestic Hot Water: Check mechanical	Medium	102.82		
7th	Space Heating: Check envelope and mechanical	Low	47.76		

D. EXCEPTIONAL CONDITIONS
 The building does not include service water heating. Verify that service water heating is not required and is not included in the design. The proposed building includes spaces that are modeled with unknown HVAC system(s). Verify that the spaces modeled with unknown HVAC system(s) are either part of core and shell analysis which will be permitted for mechanical compliance in the future, or the spaces have an existing HVAC system not modeled for compliance, or the compliance scope does not include mechanical.

E. HERS VERIFICATION
 This Section Does Not Apply

F. ADDITIONAL REMARKS
 None Provided

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRC/NRCA/NRCV) -
 Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms (required for submit)	Pass	Fail
Envelope	<input checked="" type="checkbox"/> NRC-ENV-01-E - For all buildings <input checked="" type="checkbox"/> NRC-ENV-02-F - NRC label verification for fenestration <input type="checkbox"/> NRCA-MCH-01-A - For all buildings with Mechanical Systems <input type="checkbox"/> NRCA-MCH-02-A - Outdoor Air <input type="checkbox"/> NRCA-MCH-03-A - Constant Volume Single Zone HVAC <input type="checkbox"/> NRCA-MCH-04-H - Air Distribution Duct Leakage <input type="checkbox"/> NRCA-MCH-05-A - Air Economizer Controls <input type="checkbox"/> NRCA-MCH-06-A - Demand Control Ventilation <input type="checkbox"/> NRCA-MCH-07-A - Supply Fan Variable Flow Controls <input type="checkbox"/> NRCA-MCH-08-A - Valve Leakage Test <input type="checkbox"/> NRCA-MCH-09-A - Supply Water Temp Reset Controls <input type="checkbox"/> NRCA-MCH-10-A - Hydronic System Variable Flow Controls <input type="checkbox"/> NRCA-MCH-11-A - Auto Demand Reset Controls <input type="checkbox"/> NRCA-MCH-12-A - Packaged Direct Expansion Units <input type="checkbox"/> NRCA-MCH-13-A - Air Handling Units and Zone Terminal Units <input type="checkbox"/> NRCA-MCH-14-A - Distributed Energy Storage <input type="checkbox"/> NRCA-MCH-15-A - Thermal Energy Storage <input type="checkbox"/> NRCA-MCH-16-A - Supply Air Temp Reset Controls <input type="checkbox"/> NRCA-MCH-17-A - Condensate Water Temp Reset Controls <input type="checkbox"/> NRCA-MCH-18-A - Energy Management Controls Systems <input type="checkbox"/> NRCV-MCH-04-H - Duct Leakage Test	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical	<input type="checkbox"/> NRC-LT-02-E - For all buildings <input type="checkbox"/> NRC-LT-02-E - Lighting control system, or for an Energy Management Control System (EMCS) <input type="checkbox"/> NRC-LT-03-E - Live-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only live-voltage track lighting <input type="checkbox"/> NRC-LT-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater <input type="checkbox"/> NRC-LT-05-E - Lighting Control Credit Power Adjustment Factor (PAC) <input type="checkbox"/> NRC-LT-06-E - Additional wattage installed in a video conferencing studio <input type="checkbox"/> NRCA-LT-02-A - Occupancy sensors and automatic time switch controls <input type="checkbox"/> NRCA-LT-03-A - Automatic daylighting controls <input type="checkbox"/> NRCA-LT-04-A - Demand responsive lighting controls <input type="checkbox"/> NRCLT-01-E - Outdoor Lighting <input type="checkbox"/> NRCLT-02-E - EMCS Lighting Control System <input type="checkbox"/> NRCA-LT-02-A - Outdoor Lighting Control <input type="checkbox"/> NRCLT-01-E - Sign Lighting <input type="checkbox"/> NRC-ELC-01-E - Electrical Power Distribution <input type="checkbox"/> NRC-SPV-01-E - Photovoltaic Systems	<input type="checkbox"/>	<input type="checkbox"/>

Item	Description	Value	Standard	Compliance
1.	Project Location (City)	Pollock Pines	California 2016	
2.	CA Title Code	95726	Energy 7.7.2	
3.	Climate Zone	12	Weather File	
4.	Total Unconditioned Floor Area in Scope	4,918 ft ²	SCHEMATIC EXECUTIVE_724830_C2D1010.epw	
5.	Total Unconditioned Floor Area	0 ft ²	(N) 45 deg	
6.	Total # of Stories (Habitable Above Grade)	1	Permitted Scope of Work	
7.	Total # of Dwelling Units	0	Building Type(s)	Nonresidential
			Gas Type	Propane

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft²-yr)

Component	1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	28.73	47.87	-9.14	-23.6%	
Space Cooling	62.18	56.76	5.42	8.7%	
Indoor Fans	138.55	126.51	11.64	8.4%	
Heat Rejection	--	--	--	--	
Pumps & Misc.	13.49	13.49	--	0.0%	
Domestic Hot Water	61.05	30.29	31.00	50.9%	
Indoor Lighting	314.64	275.32	39.32	12.5%	
Receptacle	102.82	102.82	0.0	0.0%	
Process	--	--	--	--	
Other Ltg	--	--	--	--	
Process Motors	--	--	--	--	
TOTAL	477.46	378.14	99.3	9.4%	

3. Proposed Design (TDV)
 Space Heating: 28.73
 Space Cooling: 62.18
 Indoor Fans: 138.55
 Heat Rejection: --
 Pumps & Misc.: 13.49
 Domestic Hot Water: 61.05
 Indoor Lighting: 314.64
 Receptacle: 102.82
 Process: --
 Other Ltg: --
 Process Motors: --
TOTAL: 477.46

4. Compliance Margin (TDV)
 Space Heating: -9.14
 Space Cooling: 5.42
 Indoor Fans: 11.64
 Heat Rejection: --
 Pumps & Misc.: --
 Domestic Hot Water: 31.00
 Indoor Lighting: 39.32
 Receptacle: 0.0
 Process: --
 Other Ltg: --
 Process Motors: --
TOTAL: 99.3

5. Percent Better than Standard
 Space Heating: -23.6%
 Space Cooling: 8.7%
 Indoor Fans: 8.4%
 Heat Rejection: --
 Pumps & Misc.: 0.0%
 Domestic Hot Water: 50.9%
 Indoor Lighting: 12.5%
 Receptacle: 0.0%
 Process: --
 Other Ltg: --
 Process Motors: --
TOTAL: 9.4%

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY
 The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.

Building Component	Compliance Forms	NA	Yes	Compliance Forms
Lighting (Indoor/Unconditioned)	NRC-LT-01 / 02 / 03 / 04 / 05-E	<input type="checkbox"/>	<input type="checkbox"/>	NRC-COR-01 / 02 / 03 / 05-E NRC-COR-01 / 02 / 04 / 05-E
Lighting (Outdoor)	NRC-LT-01 / 02 / 03-E	<input type="checkbox"/>	<input type="checkbox"/>	NRC-ELC-01-E
Lighting (Sign)	NRC-LT-01-E	<input type="checkbox"/>	<input type="checkbox"/>	NRC-SRA-01 / 03-E
Solar Thermal Water Heating	NRC-STH-01-E	<input type="checkbox"/>	<input type="checkbox"/>	Solar Ready: \$110.10 Consent Provisions: \$126.6 Packaged Refrigeration Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers

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Mechanical	<input type="checkbox"/> NRC-LT-02-E - For all buildings <input type="checkbox"/> NRC-LT-02-E - Lighting control system, or for an Energy Management Control System (EMCS) <input type="checkbox"/> NRC-LT-03-E - Live-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only live-voltage track lighting <input type="checkbox"/> NRC-LT-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater <input type="checkbox"/> NRC-LT-05-E - Lighting Control Credit Power Adjustment Factor (PAC) <input type="checkbox"/> NRC-LT-06-E - Additional wattage installed in a video conferencing studio <input type="checkbox"/> NRCA-LT-02-A - Occupancy sensors and automatic time switch controls <input type="checkbox"/> NRCA-LT-03-A - Automatic daylighting controls <input type="checkbox"/> NRCA-LT-04-A - Demand responsive lighting controls <input type="checkbox"/> NRCLT-01-E - Outdoor Lighting <input type="checkbox"/> NRCLT-02-E - EMCS Lighting Control System <input type="checkbox"/> NRCA-LT-02-A - Outdoor Lighting Control <input type="checkbox"/> NRCLT-01-E - Sign Lighting <input type="checkbox"/> NRC-ELC-01-E - Electrical Power Distribution <input type="checkbox"/> NRC-SPV-01-E - Photovoltaic Systems	<input type="checkbox"/>	<input type="checkbox"/>

County Fire Stn. 17 Remodel
 6430 Pony Express Tr.
 Pollock Pines, Ca 95726
 Date: 7/20/19
 Scale: 1/4"
 Drawn: jdm

T24-1

APPROVED
 Considers & Checks on Codes
 MAY 13 2021
 and work must be completed with
 used Permit #