



Compliance Certificate

Project Information

Energy Code:	90.1 (2022) Standard
Project Title:	Klamath Tribes Fitness Center Addition
Location:	Chiloquin, Oregon
Climate Zone:	5b
Project Type:	Addition
Project No:	160921
Performance Sim. Specs:	EnergyPlus 24.1.0 (EPW:)
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump:	false

Construction Site:

320 Chiloquin Blvd.
Chiloquin , Oregon 97624

Owner/Agent:

Bend , Oregon
2087248540
jarredondo@steele-arch.com

Designer/Contractor:

Jordan Arredondo
Steele Associates
2738 NW Potts Ct
Bend , Oregon 97703
5033491684

Notes:

Energy Credits

Description	Credit
L03 Occupancy Sensor Control Areas	4.0
L06 Reduced lighting power	12.0
Q02 Efficient kitchen equipment	0.0
H03 5% cooling efficiency improvement	16.0
H02 5% heating efficiency improvement	10.4
P01 Energy monitoring	4.0
G02 HVAC Load Management	13.0
G01 Lighting Load Management	0.0
W05 Point of Use Water Heater	2.0

Not applicable

Renewable energy

Number of Floors:	1
Area of Three Largest Floors:	19549
Proposed Capacity:	0
Required Capacity:	9774
Exception:	None

On-Site Renewable Energy

System	Capacity	Units
Unspecified	0	Watts

Renewables Fail: Proposed: 0 Watts Required: 9774 Watts

Building Area

Description	Floor Area
1-Exercise Center (Exercise Center) : Nonresidential	19549



Envelope Compliance Certificate

Project Information

Energy Code: 90.1 (2022) Standard
Project Title: Klamath Tribes Fitness Center Addition
Location: Chiloquin, Oregon
Climate Zone: 5b
Project Type: Addition
Vertical Glazing / Wall Area: 0.168
Performance Sim. Specs: EnergyPlus 24.1.0 (EPW:)

Construction Site:

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Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof:Roof, Insulation Entirely Above Deck, Semi-Exterior Envelope, [Bldg. Use 1 - Exercise Center]	21176	---	30.00	0.032	0.032
Floor:5" SOG, Unheated Slab-On-Grade, Vertical 2 ft., Exterior Envelope, [Bldg. Use 1 - Exercise Center] (c)	404	---	10.00	0.540	0.520
NORTH					
Ext Wall:Ext wall_Lap siding - N, Wood Frame, Any Spacing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	2164	21.00	10.00	0.036	0.051
Window:Window - N, Vinyl/Fiberglass Frame, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	90	---	---	0.290	0.360
Door:Door_Mtl - N, Insulated Metal, Swinging, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	42	---	---	0.150	0.370
Ext Wall:Ext wall_Stone - N, Wood Frame, Any Spacing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	231	21.00	10.00	0.036	0.051
Window:Storefront - N, Metal Frame, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	80	---	---	0.290	0.360
Door:Door_Glass - N, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	42	---	---	0.290	0.630
SOUTH					
Ext Wall:Ext wall_Stone - S, Wood Frame, Any Spacing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	244	21.00	10.00	0.036	0.051
Window:Storefront - S, Metal Frame, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	104	---	---	0.290	0.360
Door:Door_Glass - S, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	21	---	---	0.290	0.630
Ext Wall:Ext wall_Lap siding - S, Wood Frame, Any Spacing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	936	21.00	10.00	0.036	0.051
Window:Window - S, Vinyl/Fiberglass Frame, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	224	---	---	0.290	0.360
WEST					

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Ext Wall:Ext wall_Lap siding - W, Wood Frame, Any Spacing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	1909	21.00	10.00	0.036	0.051
Window:Window - W, Vinyl/Fiberglass Frame, Perf. Specs.: Product ID , SHGC 0.39, PF 0.35, VT 0.70, Exterior Envelope, [Bldg. Use 1 - Exercise Center] (b)	360	---	---	0.290	0.360
Door:Door_Mtl - W, Insulated Metal, Swinging, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	21	---	---	0.150	0.370
Door:Door_OHD1 - W, Insulated Metal, Garage door < 14% glazing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	100	---	---	0.800	0.370
Door:Door_OHD2 - W, Insulated Metal, Garage door < 14% glazing, Exterior Envelope, [Bldg. Use 1 - Exercise Center]	100	---	---	0.800	0.370

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 0.1% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2022) Standard requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title	Signature	Date
		09/03/2026



Inspection Checklist

Energy Code: 90.1 (2022) Standard

Requirements: 16% were addressed directly in the *COMcheck* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 5.4.3.1.1, 5.7 [PR1] ¹	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6] ²	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: TBD
5.5.4.2.3 [PR7] ²	In buildings > 2,500 ft ² , any enclosed spaces directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage (including nonrefrigerated warehouse), gymnasium, fitness/exercise area, playing area, gymnasium seating area, convention exhibit/event space, courtroom, automotive service, fire station engine room, manufacturing corridor/transition and bay areas, retail, library reading and stack areas, distribution/sorting area, transportation baggage and seating areas, or workshop, the following requirements apply: The daylight zone under skylights is >= half the floor area and (a) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40 or (b) the minimum skylight effective aperture >= 1 percent. The skylights have a measured haze value > 90 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Footing / Foundation Inspection

Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [FO1] ²	Installed below-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- 	R- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
4.2.4 [FO3] ²	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- ☐ Unheated ☐ Heated	R- ☐ Unheated ☐ Heated	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.5 [FO5] ²	Slab edge insulation depth/length.	ft	ft	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.7 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.3 [FO7] ¹	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
6.4.4.1.5 [FO11] ³	Bottom surface of floor structures incorporating radiant heating insulated to >=R-3.5.	R- 	R- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Framing / Rough-In Inspection

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1] ³	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.4.3.1 [FR15] ¹	The buildings complies with measured air leakage requirements in Section 5.4.3.1.4 or with continuous air barrier design and installation in accordance with Section 5.9.1.2			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.4.3.4 [FR4] ³	Vestibules are installed where building entrances separate conditioned space from the exterior, and meet exterior envelope requirements. Doors have self-closing devices, and are >=7 ft apart (>= 16 ft apart for adjoining floor area >= 40000 sq.ft.). Vestibule floor area <=7 50 sq.ft. or 2 percent of the adjoining conditioned floor area.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.4.3a [FR8] ¹	Vertical fenestration U-Factor.	U- 	U- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.5.4.3b [FR9] ¹	Skylight fenestration U-Factor.	U- 	U- 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.5.4.4.1 [FR10] ¹	Vertical fenestration SHGC value.	SHGC: 	SHGC: 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.5.4.4.2 [FR11] ¹	Skylight SHGC value.	SHGC: 	SHGC: 	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.2.1, 5.8.2.3, 5.8.2.4, 5.8.2.5 [FR12] ²	Fenestration products rated (U-factor, SHGC, and VT) in accordance with NFRC or energy code defaults are used.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.2.2 [FR13] ¹	Fenestration and door products are labeled, or a signed and dated certificate listing the U-factor, SHGC, VT, and air leakage rate has been provided by the manufacturer.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.5.3.6 [FR14] ²	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U- ☐ Swinging ☐ Nonswinging	U- ☐ Swinging ☐ Nonswinging	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values

Additional Comments/Assumptions:

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1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10] ²	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Exception: Receptacles intended for 24 hour operation of equipment. Location on plans/spec: TBD
8.4.3 [EL11] ²	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to to control system and displayed graphically.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: TBD

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Insulation Inspection

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.1 [IN10] ²	Building envelope insulation is labeled with R-value or insulation certificate has been provided listing R-value and other relevant data.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.9 [IN18] ²	Building envelope insulation extends over the full area of the component at the proposed rated R or U value.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.4 [IN11] ²	Eaves are baffled to deflect air to above the insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.5 [IN12] ²	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.6 [IN13] ²	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.1 [IN15] ²	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.7.2 [IN16] ²	Foundation vents do not interfere with insulation.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
5.8.1.8 [IN17] ³	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN2] ¹	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	R- ☐ Above deck ☐ Metal ☐ Attic	R- ☐ Above deck ☐ Metal ☐ Attic	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values
5.8.1.2, 5.8.1.3 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the ceiling slope is <= 3:12.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
4.2.4 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- ☐ Mass ☐ Metal ☐ Steel ☐ Wood	R- ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	<i>See the Envelope Assemblies table for values</i>
5.8.1.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.			☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
4.2.4 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	R- ☐ Mass ☐ Steel ☐ Wood	R- ☐ Mass ☐ Steel ☐ Wood	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	<i>See the Envelope Assemblies table for values</i>

Additional Comments/Assumptions:

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Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [F11] ¹	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
11.5.2.3.3a [F155] ²	W05: Point of Use Water Heater energy credit measure requires hot water to be supplied from localized source without recirculation or heat trace. Pipe insulation according to Table 6.8.3-1 and volume of water in piping limited to 2 oz for nonresidential lavatories or 0.25 oz for all other plumbing fixtures.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Mechanical Systems list for values
11.5.2.4 [F160] ²	P01: Energy Monitoring energy credit measure requires projects that are not required to have electrical energy monitoring systems installed shall be equipped to measure, monitor, record, and report energy consumption data in compliance with Section 8.4.3.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
11.5.2.5.3 [F162] ²	L03: Occupancy Sensors Control Areas energy credit measure requires buildings use "Simplified Building Method Compliance Path," or in spaces where automatic partial OFF or automatic full OFF is not required, it shall be installed in accordance with Section 11.5.2.5.3.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	See the Interior Lighting fixture schedule for values Location on plans/spec: TBD
11.5.2.7.2 [F167] ²	Q02: Efficient Kitchen Equipment energy credit measure requires buildings with a commercial kitchen with at least one gas or electric fryer and all other cooking appliances comply with Section 11.5.2.7.2.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Location on plans/spec: TBD
11.5.2.8.1 [F169] ²	G01: Lighting Load Management energy credit measure requires luminaires have dimming capability and load management controls reduce general lighting power with continuous dimming in 75% of the project area during peakprice periods coincident with high building load.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	Energy credit params: Percentage lighting load management (in %): 0.0
11.5.2.8.2 [F170] ²	G02: HVAC Load Management energy credit measure requires load management shall a) increase cooling set point > 3F or reduce cooling capacity to 60% of installed capacity; b) for electric heating, reduce heating set point > 3F or reduce heating capacity to 60% of installed capacity; and c) provide excess outdoor air and reduce outdoor air in accordance with ASHRAE Standard 62.1, Section 6.2.5.2.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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