

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Dewatering Building

Location: Loa, Utah

Climate Zone: 5b

Project Type: New Construction

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Building Area Floor Area

1-Dewatering Building (Warehouse): Nonresidential 1496

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Floor: Heated Slab-On-Grade, Horizontal with vertical 3 ft., [Bldg. Use 1 - Dewatering Building] (b) Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Dewatering Building]	156 1496		13.5 40.0	1.186 0.025	0.620 0.032
NORTH Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Dewatering Building]	650	0.0	21.0	0.038	0.090
North OH Door: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Dewatering Building]	300			0.125	0.310
EAST Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Dewatering Building]	437	0.0	21.0	0.038	0.090
East Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Dewatering Building]	24			0.380	0.370
SOUTH Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Dewatering Building]	514	0.0	21.0	0.038	0.090
<u>WEST</u> Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Dewatering Building]	437	0.0	21.0	0.038	0.090

Project Title: Loa Fish Hatchery Dewatering Building Report date: 04/17/25

Data filename: Page 1 of 17

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
- (b) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 16% 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 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Architect 04/18/2025 Name - Title Signature Date

Apr. 18, 2025

Project Title: Loa Fish Hatchery Dewatering Building Report date: 04/17/25 2 of 17

Page

COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Dewatering Building

Project Type: **New Construction**

Construction Site: 1305 West 975 South Loa, Utah 84747

Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Dewatering Building (Warehouse)	1496	0.43	646
		Total Allowed Watts =	= 646

Proposed Interior Lighting Power A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Dewatering Building (Warehouse) LED: VTD: Other:	1	10	48	480
		Total Propos	sed Watts =	480

Interior Lighting PASSES: Design 26% better than code

Interior Lighting Compliance

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Electrical Engineer

Name - Title Signature 04/18/2025

Date

Project Title: Loa Fish Hatchery Dewatering Building Report date: 04/17/25

Data filename: 3 of 17 Page

04/18/2025

COMcheck Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Dewatering Building

Project Type: New Construction

Exterior Lighting Zone 2 (Residential mixed use area (LZ2))

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128 385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101 8016380874 jonathan.dazley@mhtn.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	33 ft of	14	Yes	462
		Total Trada	ble Watts (a) =	462
		Total A	llowed Watts =	462
	Total Allo	wed Supplemer	ntal Watts (b) =	400

- (a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
- (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
Pedestrian and vehicular entrances and exits (33 ft of door width): Tradab	le Wattage			
LED: W1D: Other:	1	1	14	14
LED: W2D: Other:	1	3	27	81
	Total Trac	lable Propos	sed Watts =	95

Exterior Lighting PASSES: Design 89% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Electrical Engineer

Name - Title

Signature

04/18/2025

Date

Project Title: Loa Fish Hatchery Dewatering Building

Data filename:

04/18/2025

Report date: 04/17/25

Page 4 of 17

COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Dewatering Building

Location: Loa, Utah

Climate Zone: 5b

Project Type: New Construction

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

JACOB D. BECK **04-18-25**

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

1 HVAC System (Unknown w/ PerimeterSystem):

Heating: 1 each - Unit Heater (EUH-1 Electric Unit Heater), Electric, Capacity = 85 kBtu/h No minimum efficiency requirement applies

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Mechanical Engineer

Name - Title

Signature

04/18/2025

Date

Project Title: Loa Fish Hatchery Dewatering Building Report date: 04/17/25

Data filename:

Page 5 of 17

COMcheck Software Version COMcheckWeb Inspection Checklist Energy Code: 2018 IECC

Requirements: 0.0% 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.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [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 □Not Observable □Not Applicable	
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR10] ¹	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR11] ¹		□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Dewatering Building Data filename:

6 of 17 Page

Report date: 04/17/25

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.2 [PR14] ¹	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Dewatering Building

Report date: 04/17/25 Data filename: Page 7 of 17

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.	☐Complies ☐Does Not	
		□Not Observable □Not Applicable	
C303.2.1 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind,	\square Complies \square Does Not	
	landscaping and equipment maintenance activities.	□Not Observable □Not Applicable	
C105 [FO3] ²	and R-value consistent with insulation	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	specifications reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.2.4 [FO7] ²	Slab edge insulation depth/length. Slab insulation extending away from	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	building is covered by pavement or >= 10 inches of soil.	□Not Observable □Not Applicable	
,	Snow/ice melting system and freeze protection systems have sensors and	\square Complies \square Does Not	
[FO9] ³	controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Dewatering Building

Report date: 04/17/25 Data filename: Page 8 of 17

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12] ²	Fenestration products rated in accordance with NFRC.	□Complies □Does Not	
		□Not Observable □Not Applicable	
C303.1.3 [FR13] ¹	Fenestration products are certified as to performance labels or certificates	□Complies □Does Not	
	provided.	□Not Observable □Not Applicable	
C402.4.3 [FR10] ¹	Vertical fenestration SHGC value.	□Complies □Does Not	See the Envelope Assemblies table for values.
		□Not Observable □Not Applicable	
C402.4.3, C402.4.3.	and SHGC consistent with label	□Complies □Does Not	See the Envelope Assemblies table for values.
4 [FR8] ¹	specifications and as reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
2.1	The building envelope contains a continuous air barrier that is sealed in	□Complies □Does Not	
[FR19] ¹	an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier penetrations are sealed in an approved manner.	□Not Observable □Not Applicable	
C402.5.4	Factory-built fenestration and doors are labeled as meeting air leakage	□Complies □Does Not	
[FR18] ³ requirements.	□Not Observable □Not Applicable		
C402.5.7 [FR17] ³	Vestibules are installed on all building entrances. Doors have self-closing	□Complies □Does Not	
	devices.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Dewatering Building

Report date: 04/17/25 Data filename: Page 9 of 17

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	

Project Title: Loa Fish Hatchery Dewatering Building

C402.5. Stair and elevator shaft vents have insulation >= R-3.5. Stair and elevator shaft vents have close. Reference section C403.7.7 for operational details. C403.7.7 (MESB) All Value of the provided with shaft of the state of the stat	Section #	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
IME41 3 sensible heating panels have insulation >= R-3.5.				
Not Applicable Complies Com		sensible heating panels have	□Does Not	
C403.7.4. motorized dampers that automatically coperational details. C403.7.7 (MESB)¹ hus dampers that automatically coperational details. C403.7.7 (MESB)¹ hus dampers that automatically motorized dampers that automatically should have been detailed and the properational details. C403.1.1. HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is provided with shielding from solar radiation. C403.8.1 HVAC fan systems at design conditions do not exceed allowable fan system objects and the design point of operation <= 1.5% (and Applicable). The total efficiency of the fan at the design point of operation <= 1.5% (and Applicable). The total efficiency of the fan at the design point of operation <= 1.5% (and Applicable). The total efficiency of the fan at the design point of operation <= 1.5% (and Applicable). The total efficiency of the fan at the design point of operation <= 1.5% (and Applicable). The total efficiency of the fan at the design point of operation <= 1.5% (and Cobservable). Not Applicable work of the fan at the design point of operation <= 1.5% (and Cobservable). Not Applicable work of the fan at the design point of operation <= 1.5% (and Cobservable). Not Applicable work of the fan at the design point of operation <= 1.5% (and Cobservable). Not Applicable work of the fan at the design point of operation <= 1.5% (and Cobservable). Not Observable (and Cobservable). Not Applicable work of the fan at the design point of operation <= 1.5% (and Cobservable). Not Observable (and Cobservable). Not Observable (and Cobservable). Not Observable (and Cobservable). Not Observable (and Cobservable). Not Applicable work of the fan at the design of				
C403.7.7 C403.7.2 C403.8.1 ThVAC fair systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system broom and system and system broom and systems br		motorized dampers that automatically		
Motorized dampers that automatically Does Not when not in use and meet maximum leakage rates. Check gravity dampers where allowed. Reference section language for operational details.		operational details.		
shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed. Reference section language for operational details. C403.11.3 HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is provided with shielding from solar radiation. C403.8.1 HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp. C403.8.3 Fans have efficiency grade (FEG) >= [ME117]* 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan. C403.1.2. Systems that heat outside the building [ME71]² envelope are radiant heat systems controlled by an occupancy sensing device or timer switch. C403.2.1 Natural or mechanical ventilation is provided in accordance with international Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 Enclosed parking garage ventilation las capacity to stage or modulate fans to 50% or less of design capacity.	C403.7.7 [MF58] ³	Outdoor air and exhaust systems have motorized dampers that automatically	Complies	
Gravity dampers where allowed. Reference section language for operational details. C403.11.3 HVAC piping insulation insulated in maccordance with Table C403.11.3. Insulation exposed to weather is provided with shielding from solar radiation. C403.8.1 HVAC fan systems at design Conditions do not exceed allowable fan system motor nameplate hp or fan system motor nameplate hp or fan the design point of operation < 15% of maximum total efficiency of the fan. C403.8.2 Systems that heat outside the building [MET1]? C403.8.2 Systems that heat outside the building envelope are radiant heat systems device or timer switch. C403.2.2 Natural or mechanical ventilation is controlled by an occupancy sensing device or timer switch. C403.7.1 Demand control ventilation provided [ME59]* Demand control ventilation provided for spaces >500 ft2 and >25 Does Not Does N		shut when not in use and meet maximum leakage rates. Check	□Not Observable	
Does Not		gravity dampers where allowed. Reference section language for	∐Not Applicable	
Insulation exposed to weather is provided with shielding from solar radiation. C403.8.1 HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system motor nameplate hp or fan system bhp. C403.8.3 [ME117]² Fans have efficiency grade (FEG) >= [Complies Does Not fan system bin. C403.1.1 Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch. C403.2.2 Natural or mechanical ventilation is provided in accordance with international Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Not Observable Not Applicable Not Observable Not Applicable Not Applicable Not Observable Not Applicable Not Observable Not Obs	C403.11.3 [ME61] ²			
radiation. C403.8.1 HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp. C403.8.3 Fans have efficiency grade (FEG) >= Complies Com		Insulation exposed to weather is protected from damage and is	□Not Observable	
C403.8.3 Fans have efficiency grade (FEG) >= Complies		promaca man sincianing nom solar	□Not Applicable	
fan system motor nameplate hp or fan system bhp. C403.8.3 Fans have efficiency grade (FEG) >= [ME117]² 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan. C403.12.1 Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch. C403.2.2 Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided for spaces > 500 ft2 and > 25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ As automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. S403.7.2 [ME115]³ As automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. S4040.3.2 [ME59]¹ □ Complies □ Comp				See the Mechanical Systems list for values.
C403.8.3 Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of the fan.		system bhp.	_	
the design point of operation <= 15% of maximum total efficiency of the fan. C403.12.1 [ME71]² Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch. C403.2.2 [ME59]¹ Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 [ME59]¹ Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Not Observable Not Applicable		Fans have efficiency grade (FEG) >=		
C403.12.1 Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch. C403.2.2 [ME59]¹ Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided for spaces > 500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Not Applicable Not Observable Not Applicable Not Applicable Not Observable Not Observ	[ME117] ²	the design point of operation <= 15%		
C403.2.2 Matural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided for spaces > 500 ft2 and > 25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow > 3,000 cfm. C403.7.2 ME115] ³ Enclosed parking garage ventilation and capacity to stage or modulate fans to 50% or less of design capacity. Does Not Does Does		fan.	☐Not Applicable	
device or timer switch.				
C403.2.2 [ME59]¹ Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Natural or mechanical ventilation is Does Not Does No		device or timer switch.		
International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4. C403.7.1 Demand control ventilation provided [ME59]¹ for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. INOt Observable □Not Applicable □Not Applicable □Not Observable		Natural or mechanical ventilation is	☐Complies	
C403.7.1 Demand control ventilation provided [ME59]¹ Domand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Not Applicable Complies Not Applicable	[ME59] ¹	•		
C403.7.1 Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. C403.7.2 [ME115]³ Does Not □ Complies □ Not Applicable □ Not Observable		capability to reduce outdoor air supply		
people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Does Not Not Observable Not Applicable		Demand control ventilation provided		
economizer, auto modulating outside air damper control, or design airflow >3,000 cfm. C403.7.2 [ME115]³ Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Not Applicable	[ME59] ¹	people/1000 ft2 occupant density and		
>3,000 cfm. C403.7.2 Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Complies Does Not		economizer, auto modulating outside		
has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. Does Not		>3,000 cfm.		
fans to 50% or less of design capacity. Not Observable Not Applicable		has automatic contaminant detection		
C402.7.C 10/4.C '		fans to 50% or less of design capacity.	□Not Applicable	
[ME141] ³ Group R-1 buildings with > 50 $\square_{Does Not}$		Group R-1 buildings with > 50	□Complies □Does Not	
guestrooms: Each guestroom is provided with controls that		provided with controls that		
automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).		setpoint and ventilation (see sections	шиот Аррисаріе	

2 Medium Impact (Tier 2)

Project Title: Loa Fish Hatchery Dewatering Building Data filename:

1 High Impact (Tier 1)

Report date: 04/17/25 Page 11 of 17

3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.4 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.5 [ME116] ³	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	□Complies □Does Not □Not Observable □Not Applicable	
,	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1. 4 [ME63] ²	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.2. 1 [ME53] ³	Air outlets and zone terminal devices have means for air balancing.	□Complies □Does Not □Not Observable □Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME123] ³	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Dewatering Building

Section			
# & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2. 2 [EL22] ¹	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Does Not	
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.2, C405.2.2. 1, C405.2.2. 2 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1) have timeswitch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	□Complies □Does Not □Not Observable □Not Applicable	

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

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3. 1, C405.2.3. 2 [EL23] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.5 [EL28] ^{null}	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	□Complies □Does Not □Not Observable □Not Applicable	
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	□Complies □Does Not □Not Observable □Not Applicable	
C405.7 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	□Complies □Does Not □Not Observable □Not Applicable	
C405.8.2, C405.8.2. 1 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	□Complies □Does Not □Not Observable □Not Applicable	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	□Complies □Does Not □Not Observable □Not Applicable	

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

Section #	Insulation Inspection	Complies?	Comments/Assumptions
& Req.ID		Пъ	
C303.1 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or	□Complies □Does Not	
[[[[1]]]	poured loose-fill insulation is installed		
only where the roof slope is <=3 in		□Not Observable □Not Applicable	
C402.2.1 [IN20] ¹		□Complies □Does Not	
	specified for roor/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	□Not Observable □Not Applicable	
C303.1		Complies	
[IN10] ²	with R-value or insulation certificate providing R-value and other relevant	\square Does Not	
	data.	□Not Observable □Not Applicable	
C303.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.	□Complies □Does Not	
		□Not Observable □Not Applicable	
C105 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with	□Complies □Does Not	See the Envelope Assemblies table for values.
	insulation specifications reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.2.3 [IN8] ²	Installed floor insulation type and R-value consistent with insulation	□Complies □Does Not	See the Envelope Assemblies table for values.
	specifications reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.2.6 [IN18] ³	Radiant panels and associated components, designed for heat	□Complies □Does Not	
	transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	□Not Observable □Not Applicable	
C105 [IN2] ¹	Installed roof insulation type and R-value consistent with insulation	□Complies □Does Not	See the Envelope Assemblies table for values.
	specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	□Not Observable □Not Applicable	
C402.5.1. 1 [IN1] ¹	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vaporpermeable wrapping material to	□Complies □Does Not □Not Observable □Not Applicable	
1	building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-	□Does Not □Not Observable	

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

Page 15 of 17

Report date: 04/17/25

# Final Inspection Compiles Comments/Assumptions	Section			
Compiles	#	Final Inspection	Complies?	Comments/Assumptions
Cabe 2.5. Systems and equipment to the		Furnished O&M instructions for	□Complies	
	C408.2.5.	systems and equipment to the		
C403.2.1. C403.2.1. C403.2.1. C403.2.2. C403.2.4.	2 [FI1 713		□Not Observable	
Cado 2.5. Systems within 90 days of system Cado 2.5. Cado	[[1]]	representative.	□Not Applicable	
C402.5.6 Weatherseals installed on all loading dock cargo door openings and provide of vect contact along the top and sides of vehicles parked in the doorway. C402.5.8 Received interior finish and luminaires in thermal envelope to limit infiltration and be IC race and labeled. Seal between interior finish and luminaire housing. C403.2.2 HVAC systems and equipment capacity does not exceed calculated loads. C403.2.4 Heating and cooling to each zone is controlled by a thermostat control. Mixt Observable Not Applicable C403.2.4. Heating and cooling to each zone is controlled by a thermostat control. Mixt Observable Not Applicable Not A	C303.3, C408.2.5.	systems within 90 days of system	·	
C402.5.6 Weatherseals installed on all loading dock cargo door openings and provide contact along the top and sides of vehicles parked in the doorway. C402.5.8 Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seab between interior finish and luminaire housing. Interior luminaire housing. Interior finish and luminaire housing. Interior luminaire housin	[FI8] ³	acceptance.		
direct contact along the top and sides of vehicles parked in the doorway. C402.5.8 Recessed luminaires in thermal envelope to limit infiltration and be IC profiles and labeled. Seal between interior finish and luminaire housing. C403.2.2 HVAC systems and equipment cade in the control of t	C402.5.6		□Complies	
of vehicles parked in the doorway. Not Observable Not Applicable	[FI37] ¹	dock cargo door openings and provide direct contact along the top and sides	I I	
envelope to limit infiltration and be Ic interior finish and luminaire housing. Author Systems and equipment capacity does not exceed calculated loads. C403.2.4. Heating and cooling to each zone is controlled by a thermostat control. Immunum one humidity control device per installed humidification system. C403.4.1. Thermostatic controls have a 5 °F deadband. C403.2.4. Temperature controls have setpoint overlap restrictions. C403.2.4. Each zone equipped with setback controls using automatic time clock or programmable control system. C403.2.4. Each zone equipped with setback controls using automatic time clock or programmable control system. C403.2.4. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-clos.2.4. Plact) and so the place is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.4.1. Interior installed lamp and fixture less than or equal to allowed watts.			=	
rated and labeled. Seal between interior finish and luminaire housing. Ca03.2.2 HYAC systems and equipment capacity does not exceed calculated loads. Controlled by a thermostat control. Complies	C402.5.8 [FI26] ³			
Cada 2.4 Cada	[0]	rated and labeled. Seal between		
Capacity does not exceed calculated loads. Does Not Not Observable Catorioled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system. Capacity Capa		interior finish and luminaire housing.		
CA03.2.4. Heating and cooling to each zone is controlled by a thermostat control. Complies Does Not	C403.2.2 [FI27] ³	capacity does not exceed calculated		
Canal Cana			i=	
controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system. C403.4.1. Thermostatic controls have a 5 °F deadband. C403.2.4. Temperature controls have setpoint overlap restrictions. C403.2.4. Each zone equipped with setback controls using automatic time clock or programmable control system. C403.2.4. Automatic Controls: Setback to 55°F does Not programmable control system. C403.2.4. (heat) and 85°F (cool); 7-day clock, 2- (heat) and 85°F (cool); 7-day				
Minimum one humidification Special part Minimum one humidification Special part Specia	C403.2.4.	Heating and cooling to each zone is controlled by a thermostat control		
humidification/dehumidification system. C403.4.1. Thermostatic controls have a 5 °F deadband. C403.2.4. Temperature controls have setpoint overlap restrictions. C403.2.4. Temperature controls have setpoint overlap restrictions. C403.2.4. Seach zone equipped with setback controls using automatic time clock or programmable control system. C403.2.4. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-local sackup C403.2.4. Seach zone equipped with setback controls using automatic time clock or programmable control system. C403.2.4. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-local sackup C403.2.4. Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	[FI47] ³	Minimum one humidity control device per installed		
Canon Cano			i=	
Cados.2.4. Cados.2.5. Cados.2.4. Cados.2.5. Cados.2.5. Cados.2.4. Cados.2.5. Cad		system.		
CA03.2.4. Temperature controls have setpoint overlap restrictions. Complies Does Not Not Observable Not Applicable Not Observable Not Observabl	2			
C403.2.4. 1.3 [FI20]³ Temperature controls have setpoint overlap restrictions. C403.2.4. Each zone equipped with setback controls using automatic time clock or programmable control system. C403.2.4. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup C403.2.4. C403.2.4. Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	[FI38] ³			
Not Observable Not Applicable C403.2.4. Each zone equipped with setback controls using automatic time clock or programmable control system. Does Not Not Observable Not Applicable Not Observable Not Observable Not Observable Not Observable Not Observable Not Observable Not Applicable Not Applicable Not Applicable Not Applicable Not Observable	C403.2.4. 1.3			
C403.2.4. 2.4 Can be equipped with setback controls using automatic time clock or programmable control system. C403.2.4. 2.1 C403.2.4. 2.2 C403.2.2. 2.2 C403.2.4. 2.2 C403.2.2. 2.2 C403.2.2. 2.2 C403.2.2. 2.2 C403.2.2. 2.2 C403.2.2. 2.2 C403.2.2. 2.2 C403.2. 2.2 C40	[FI20] ³		_	
controls using automatic time clock or programmable control system. C403.2.4. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup C405.4.1 Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting proposed watts are less than or equal to allowed watts. C405.6.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	C403 2 4	Each zone equipped with setback		
C403.2.4. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup C403.2.4. 2.2 [FI40]3 C405.4.1 Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	2	controls using automatic time clock or		
Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup C403.2.4. 2.2 [FI40] ³ C405.4.1 Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts. C405.5.1 [FI19] ¹ Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 [FI19] ¹ Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 [FI19] ¹ Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	[FI39] ³	programmable control system.	□Not Observable	
C403.2.4. C403.2.4. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 C505.1				
Not Observable Not Applicable				
C405.4.1 Interior installed lamp and fixture Complies Does Not is shown on the approved lighting plans, demonstrating proposed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. Complies Complies Complies Does Not Does Does Not Does Does Not Does Not Does Not Does Not Does Not Does Does Not Does	C403.2.4.	hour occupant override, 10-hour		
C405.4.1 Interior installed lamp and fixture [Fi18]¹ Interior installed lamp and fixture Complies Does Not Interior installed lamp and fixture Interior Lighting fixture schedule for values. Interior installed lamp and fixture Interior Lighting fixture schedule for values. Interior Lighting fixture schedule for	2.2 [FI40] ³	backup	_	
Iighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 C500 C700	[0]			
is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C500 See the Exterior Lighting fixture schedule for values. C600 See the Exterior Lighting fixture schedule for values. C600 See the Exterior Lighting fixture schedule for values. C600 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values. C700 See the Exterior Lighting fixture schedule for values.	C405.4.1			See the Interior Lighting fixture schedule for values.
are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent [FI19]¹ with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. C405.5.1 Exterior lighting power is consistent □Complies □Does Not □Does Not □Not Observable □Not Applicable □Not Applicable	[[110]	is shown on the approved lighting	1	
C405.5.1 Exterior lighting power is consistent [FI19]¹ with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts. □ Complies □ Does Not □ Does Not □ Not Observable □ Not Applicable		are less than or equal to allowed	_	
lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	C405.5.1	Exterior lighting power is consistent		See the Exterior Lighting fixture schedule for values.
proposed watts are less than or equal to allowed watts.	[FI19] ¹ 		! 	
to diloned mates.		proposed watts are less than or equal	_	
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)				
		1 High Impact (Tier 1)	2 Medium Impa	act (Tier 2) 3 Low Impact (Tier 3)

Project Title: Loa Fish Hatchery Dewatering Building

Data filename:

Report date: 04/17/25 Page 16 of 17

Section #	Final Inspection	Complies?	Comments/Assumptions
& Req.ID	i mai mapacatan	-	Comments/Assumptions
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.1 [FI28] ¹	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3. 1 [FI31] ¹	HVAC equipment has been tested to ensure proper operation.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.3. 2 [FI10] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.4 [FI29] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5. 1 [FI7] ³	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5. 3 [FI43] ¹	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5. 4 [FI30] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	□Complies □Does Not □Not Observable □Not Applicable	

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



Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Feed Storage

Location: Loa, Utah

Climate Zone: 5b

Project Type: New Construction

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN 280 S 400 W Suite 250 Salt Lake City, Utah 84101 8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Building Area Floor Area

1-Feed Storage & Truck Parking (Warehouse) : Nonresidential 3745

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Floor: Heated Slab-On-Grade, Horizontal with vertical 3 ft., [Bldg. Use 1 - Feed Storage & Truck Parking] (b)	248		13.5	1.186	0.620
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Feed Storage & Truck Parking]	3745		40.0	0.025	0.032
NORTH Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Feed Storage & Truck Parking]	1384	0.0	21.0	0.038	0.090
North Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Feed Storage & Truck Parking]	24			0.380	0.370
North OH Door: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Feed Storage & Truck Parking]	504			0.125	0.310
<u>EAST</u> Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Feed Storage & Truck Parking]	877	0.0	21.0	0.038	0.090
SOUTH Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Feed Storage & Truck Parking]	1078	0.0	21.0	0.038	0.090
<u>WEST</u> Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Feed Storage & Truck Parking]	877	0.0	21.0	0.038	0.090

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25

Data filename: Page 1 of 17

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
West Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Feed Storage & Truck Parking]	24			0.380	0.370

- (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
- (b) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Envelope PASSES: Design 22% 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 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Architect

Name - Title Signature 04/18/2025

Page

Date

Apr. 18, 2025

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25 2 of 17

COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Feed Storage

Project Type: New Construction

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov

Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Feed Storage & Truck Parking (Warehouse)	3745	0.43	1618
		Total Allowed Watts =	= 1618

Proposed Interior Lighting Power

A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
1-Feed Storage & Truck Parking (Warehouse)				
LED: U1F: Other:	1	18	48	864
		Total Propos	sed Watts =	864

Interior Lighting PASSES: Design 47% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

9808039-220

04/18/2025

Electrical Engineer

Name - Title Signature

04/18/2025

Date

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25

Data filename: Page 3 of 17

COM*check* **Software Version COM***checkWeb*

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Feed Storage

Project Type: New Construction

Exterior Lighting Zone 2 (Residential mixed use area (LZ2))

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128 385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101 8016380874 jonathan.dazley@mhtn.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	36 ft of	14	Yes	504
		Total Trada	ble Watts (a) =	504
		Total A	llowed Watts =	504
	Total Allo	wed Supplemer	ntal Watts (b) =	400

- (a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
- (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
Pedestrian and vehicular entrances and exits (36 ft of door width): Tradable	e Wattage			
LED: W1F: Other:	1	2	14	28
LED: W2F: Other:	1	8	27	216
	Total Trac	dable Propo	sed Watts =	244

Exterior Lighting PASSES: Design 73% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Electrical Engineer

Name - Title Signature

9808039-2202 ALEKSANDAR RANKOVĮC

04/18/2025

Date

Project Title: Loa Fish Hatchery Feed Storage

Data filename:

04/18/2025

Report date: 04/17/25

Page 4 of 17

COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Feed Storage

Location: Loa, Utah

Climate Zone: 5b

Project Type: New Construction

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

JACOB D. BECK **04-18-25**

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

1 HVAC System (Unknown w/ PerimeterSystem):

Heating: 2 each - Unit Heater (UH-1,2 Unit Heaters), Propane, Capacity = 105 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Mechanical Engineer

Name - Title

Signature

04/18/2025

Date

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25

Data filename:

Page 5 of 17

COMcheck Software Version COMcheckWeb Inspection Checklist Energy Code: 2018 IECC

Requirements: 0.0% 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.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1] ¹	information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR10] ¹	area.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR11] ¹	The skylight area <= 3 percent of the gross roof area.	□Complies □Does Not □Not Observable □Not Applicable	

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25

2 Medium Impact (Tier 2)

1 High Impact (Tier 1)

Data filename:

Page 6 of 17

3 Low Impact (Tier 3)

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.2 [PR14] ¹	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25
Data filename: Page 7 of 17

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.	☐Complies ☐Does Not	
		□Not Observable □Not Applicable	
C303.2.1 [FO6] ¹	damage, sunlight, moisture, wind,	\square Complies \square Does Not	
	landscaping and equipment maintenance activities.	□Not Observable □Not Applicable	
C105 [FO3] ²		\square Complies \square Does Not	See the Envelope Assemblies table for values.
		□Not Observable □Not Applicable	
C402.2.4 [FO7] ²	Slab edge insulation depth/length. Slab insulation extending away from	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	building is covered by pavement or >= 10 inches of soil.	□Not Observable □Not Applicable	
,	Snow/ice melting system and freeze protection systems have sensors and	\square Complies \square Does Not	
[FO9] ³	controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25
Data filename: Page 8 of 17

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12] ²	Fenestration products rated in accordance with NFRC.	□Complies □Does Not	
		□Not Observable □Not Applicable	
C303.1.3 [FR13] ¹	Fenestration products are certified as to performance labels or certificates	□Complies □Does Not	
	provided.	□Not Observable □Not Applicable	
C402.4.3 [FR10] ¹	Vertical fenestration SHGC value.	□Complies □Does Not	See the Envelope Assemblies table for values.
		□Not Observable □Not Applicable	
C402.4.3, C402.4.3.	and SHGC consistent with label	□Complies □Does Not	See the Envelope Assemblies table for values.
4 [FR8] ¹	specifications and as reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
2.1	The building envelope contains a continuous air barrier that is sealed in	□Complies □Does Not	
[FR19] ¹	an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier penetrations are sealed in an approved manner.	□Not Observable □Not Applicable	
C402.5.4		□Complies □Does Not	
[FR18] ³		□Not Observable □Not Applicable	
C402.5.7 [FR17] ³	Vestibules are installed on all building entrances. Doors have self-closing	□Complies □Does Not	
	devices.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	□Complies □Does Not □Not Observable □Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage Report date: 04/17/25
Data filename: Page 10 of 17

Section #	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
& Req.ID			
C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	□Complies □Does Not	
	IIISulation > - K-3.3.	□Not Observable □Not Applicable	
C402.5.5, C403.2.4.	Stair and elevator shaft vents have motorized dampers that automatically close. Reference section C403.7.7 for		
[ME3] ³	operational details.	□Not Observable □Not Applicable	
C403.7.7 [ME58] ³		Complies	
[MEDO]	shut when not in use and meet	□Does Not □Not Observable	
	maximum leakade fales. Check	□Not Observable □Not Applicable	
	Reference section language for operational details.		
C403.11.3 [ME61] ²		□Complies □Does Not	
	Insulation exposed to weather is protected from damage and is	□Not Observable	
	provided with shielding from solar radiation.	□Not Applicable	
C403.8.1 [ME65] ³		☐Complies ☐Does Not	See the Mechanical Systems list for values.
	fan system motor nameplate hp or fan	□Not Observable	
		□Not Applicable	
		☐Complies ☐Does Not	
,	the design point of operation <= 15%	□Not Observable	
	of maximum total efficiency of the fan.	□Not Applicable	
C403.12.1 [ME71] ²		☐Complies ☐Does Not	
[1 127 1]	controlled by an occupancy sensing	□Not Observable	
	device or timer switch.	□Not Applicable	
C403.2.2 [ME59] ¹		☐Complies ☐Does Not	
[[1123]	International Mechanical Code	□Does Not □Not Observable	
	Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply	□Not Observable	
C402.7.1	to minimum per IMC Chapter 4.		
C403.7.1 [ME59] ¹	for spaces >500 ft2 and >25	□Complies □Does Not	
	people/1000 ft2 occupant density and served by systems with air side	□Not Observable	
	economizer, auto modulating outside air damper control, or design airflow	□Not Applicable	
	>3,000 cfm.		
	has automatic contaminant detection	□Complies □Does Not	
	and capacity to stage or modulate fans to 50% or less of design capacity.	□Not Observable □Not Applicable	
C403.7.6 [ME141] ³		☐Complies ☐Does Not	
	guestrooms: Each guestroom is	□Not Observable	
	automatically manage temperature	□Not Applicable	
	setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).		
			:

2 Medium Impact (Tier 2)

Project Title: Loa Fish Hatchery Feed Storage Data filename:

1 High Impact (Tier 1)

Report date: 04/17/25 Page 11 of 17

3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.4 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.5 [ME116] ³	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	□Complies □Does Not □Not Observable □Not Applicable	
,	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1. 4 [ME63] ²	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.2. 1 [ME53] ³	Air outlets and zone terminal devices have means for air balancing.	□Complies □Does Not □Not Observable □Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME123] ³	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage

Report date: 04/17/25 Data filename:

Section #	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
& Req.ID C405.2.2.		□Complies □Does Not	
[EL22] ¹	control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Not Observable □Not Applicable	
C405.2.1, C405.2.1. 1 [EL18] ¹	conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Does Not □Not Observable □Not Applicable	
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	
1,	Each area not served by occupancy sensors (per C405.2.1) have timeswitch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	□Complies □Does Not □Not Observable □Not Applicable	

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

Section	Dough In Electrical Inchestical	Compliant	Commonts/Ati
# & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.	individual controls that control the lights independent of general area lighting. See code section C405.2.3	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL27] ¹		□Complies □Does Not □Not Observable □Not Applicable	
C405.2.5 [EL28] ^{null}	energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.		
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	□Complies □Does Not □Not Observable □Not Applicable	
C405.3 [EL6] ¹	face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26] ²	electric transformers meet the minimum efficiency requirements of Table C405.6.	□Complies □Does Not □Not Observable □Not Applicable	
C405.7 [EL27] ²	efficiency requirements of Tables	□Complies □Does Not □Not Observable □Not Applicable	
	with ASME A17.1/CSA B44 and have	□Complies □Does Not □Not Observable □Not Applicable	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	□Complies □Does Not □Not Observable □Not Applicable	

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

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.	□Complies □Does Not □Not Observable □Not Applicable	
C402.2.1 [IN20] ¹	Insulation installed on a suspended ceiling having ceiling tiles is not being specified for roor/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	□Complies □Does Not □Not Observable □Not Applicable	
C303.1 [IN10] ²	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C105 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Envelope Assemblies table for values.
C402.2.3 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Envelope Assemblies table for values.
C402.2.6 [IN18] ³	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	□Complies □Does Not □Not Observable □Not Applicable	
C105 [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.	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
C402.5.1. 1 [IN1] ¹	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vaporpermeable wrapping material to minimize air leakage.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage Data filename:

Page 15 of 17

Report date: 04/17/25

Section			
# & Req.ID	Final Inspection	Complies?	Comments/Assumptions
		□Complies □Does Not	
	building owner or designated representative.	□Not Observable	
		□Not Applicable	
		□Complies □Does Not	
	acceptance.	□Not Observable	
		□Not Applicable	
	Weatherseals installed on all loading dock cargo door openings and provide	□Complies □Does Not	
	direct contact along the top and sides of vehicles parked in the doorway.	□Not Observable	
	·	□Not Applicable □Complies	
[FI26] ³		□Does Not	
	interior finish and luminaire housing.	□Not Observable □Not Applicable	
	HVAC systems and equipment	☐Complies	
-	loads	□Does Not □Not Observable	
		□Not Applicable	
1	controlled by a thermostat control.	☐Complies ☐Does Not	
	Minimum one humidity control device per installed	□Not Observable	
	humidification/dehumidification system.	□Not Applicable	
		□Complies □Does Not	
[FI38] ³		□Not Observable	
C403.2.4.		□Not Applicable □Complies	
	Temperature controls have setpoint overlap restrictions.	Does Not	
[FIZU] ³		☐Not Observable ☐Not Applicable	
	Each zone equipped with setback	☐Complies	
	controls using automatic time clock or programmable control system.	□Does Not □Not Observable	
		□Not Applicable	
		☐Complies ☐Does Not	
		□Not Observable	
[FI40] ³		□Not Applicable	
	•	Complies	See the Interior Lighting fixture schedule for values.
ļi		□Does Not □Not Observable	
		□Not Observable □Not Applicable	
C405.5.1	Exterior lighting power is consistent	Complies	See the Exterior Lighting fixture schedule for values.
-	with what is shown on the approved lighting plans, demonstrating	□Does Not □Not Observable	
	proposed watts are less than or equal to allowed watts.	□Not Applicable	
	1 High Impact (Tier 1)	2 Medium Impa	act (Tier 2) 3 Low Impact (Tier 3)

Project Title: Loa Fish Hatchery Feed Storage

Data filename:

Report date: 04/17/25 Page 16 of 17

Section #	Final Inspection	Complies?	Comments/Assumptions
& Req.ID C408.1.1	Building operations and maintenance	☐Complies	
[FI57] ¹		□Does Not □Not Observable □Not Applicable	
C408.2.1 [FI28] ¹	Commissioning plan developed by registered design professional or	□Complies □Does Not	
		□Not Observable □Not Applicable	
C408.2.3.		□Complies □Does Not	
[FI31] ¹		□Not Observable □Not Applicable	
2	tested to ensure proper operation,	□Complies □Does Not	
[FI10] ¹	calibration and adjustment of controls.	□Not Observable □Not Applicable	
C408.2.4 [FI29] ¹	completed and certified by registered	□Complies □Does Not	
	design professional or approved agency.	□Not Observable □Not Applicable	
C408.2.5.	submitted within 90 days of system	□Complies □Does Not	
[FI7] ³] ³ acceptance.	□Not Observable □Not Applicable	
C408.2.5.	electric power systems within 90 days	□Complies □Does Not	
[FI16] ³	of system acceptance.	□Not Observable □Not Applicable	
C408.2.5.	balancing report is provided for HVAC	□Complies □Does Not	
[FI43] ¹		□Not Observable □Not Applicable	
C408.2.5.	building owner within 90 days of	□Complies □Does Not	
[FI30] ¹		□Not Observable □Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment,	□Complies	
		□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Feed Storage

Report date: 04/17/25 Page 17 of 17 Data filename:



Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery

Location: Loa, Utah

5b Climate Zone:

New Construction Project Type:

Vertical Glazing / Wall Area: 2%

Construction Site: 1305 West 975 South Loa, Utah 84747

Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley

MHTN 280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Building Area Floor Area

1-Hatchery Building (Warehouse): Nonresidential 11635

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Floor: Heated Slab-On-Grade, Horizontal with vertical 3 ft., [Bldg. Use 1 - Hatchery Building] (c)	440		13.5	1.186	0.620
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Hatchery Building]	11635		40.0	0.025	0.032
NORTH Ext. Wall: Solid Concrete, 10in. Thickness, Light Density, Furring: Metal, [Bldg. Use 1 - Hatchery Building]	2064	0.0	21.0	0.027	0.090
<u>EAST</u> Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Hatchery Building]	1746	0.0	21.0	0.038	0.090
East Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Hatchery Building]	24			0.380	0.370
East OH Door: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Hatchery Building]	393			0.125	0.310
SOUTH Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Hatchery Building]	3067	0.0	21.0	0.038	0.090
South Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID SNX51/23, SHGC 0.20, [Bldg. Use 1 - Hatchery Building] (b)	144			0.240	0.380
South OH Door: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Hatchery Building]	96			0.125	0.310
East Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Hatchery Building]	24			0.380	0.370

Project Title: Loa Fish Hatchery Report date: 04/17/25

Data filename: 1 of 18 Page

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
WEST Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Ins., Light Density, Furring: Metal, [Bldg. Use 1 - Hatchery Building]	1746	0.0	21.0	0.038	0.090
West Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Hatchery Building]	48			0.380	0.370
West Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID SNX51/23, SHGC 0.20, [Bldg. Use 1 - Hatchery Building] (b)	50			0.240	0.380

- (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 23% 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 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title

Signature

04/18/2025

Page

Date

Apr. 18, 2025

Project Title: Report date: 04/17/25 Loa Fish Hatchery Data filename: 2 of 18

COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Project Type: **New Construction**

Construction Site: 1305 West 975 South Loa, Utah 84747

Owner/Agent: Craig MacKay DFCM

> 4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Hatchery Building (Warehouse)	11635	0.43	5026
		Total Allowed Watts =	= 5026

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
1-Hatchery Building (Warehouse)				
LED: AQH: Other:	1	248	12	2976
LED: U1H: Other:	1	9	20	180
LED: U2H: Other:	1	10	28	280
LED: VTH: Other:	1	2	48	96
		Total Propos	sed Watts =	3532

Interior Lighting PASSES: Design 30% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Electrical Engineer

Name - Title

Signature

04/18/2025 Date

Project Title: Loa Fish Hatchery Report date: 04/17/25 04/18/2025

Data filename:

3 of 18 Page

COMcheck Software Version COMcheckWeb Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery
Project Type: New Construction

Exterior Lighting Zone 2 (Residential mixed use area (LZ2))

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128 385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101 8016380874 jonathan.dazley@mhtn.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	51 ft of	14	Yes	714
		Total Trada	ble Watts (a) =	714
		Total Allowed Watts =		714
	Total Allo	wed Supplemer	ntal Watts (b) =	400

- (a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
- (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
Pedestrian and vehicular entrances and exits (51 ft of door width): Tradable	e Wattage			
LED: W1H: Other:	1	5	14	70
LED: W2H: Other:	1	3	27	81
	Total Trac	dable Propo	sed Watts =	151

Exterior Lighting PASSES: Design 86% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Electrical Engineer

Name - Title

Signature

04/18/2025

Date

Project Title: Loa Fish Hatchery

Data filename:

04/18/2025

Report date: 04/17/25

Page 4 of 18

COM*check* **Software Version COM***checkWeb* **Mechanical Compliance Certificate**

Project Information

2018 IECC **Energy Code:**

Loa Fish Hatchery Project Title:

Location: Loa. Utah

Climate Zone: 5h

Project Type: **New Construction**

Construction Site: 1305 West 975 South Loa, Utah 84747

Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley

MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

HVAC System (Unknown w/ PerimeterSystem):

Heating: 1 each - Unit Heater (EUH-1 Electric Unit Heater), Electric, Capacity = 13 kBtu/h No minimum efficiency requirement applies

HVAC System (Unknown w/ PerimeterSystem): 1

> Heating: 1 each - Unit Heater (UH-3 Unit Heater), Propane, Capacity = 50 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

HVAC System (Unknown w/ PerimeterSystem):

Heating: 1 each - Unit Heater (UH-4 Unit Heater), Propane, Capacity = 105 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

HVAC System (Unknown w/ PerimeterSystem): 1

Heating: 2 each - Unit Heater (UH-5,6 Unit Heaters), Propane, Capacity = 30 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

HVAC System (Unknown w/ PerimeterSystem): 1

> Heating: 4 each - Unit Heater (UH-7,8,9,10 Unit Heaters), Propane, Capacity = 225 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

AC-1 Split System (Single Zone): 1

Split System Heat Pump

Heating Mode: Capacity = 37 kBtu/h,

Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF

Cooling Mode: Capacity = 34 kBtu/h,

Proposed Efficiency = 14.30 SEER, Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Loa Fish Hatchery Report date: 04/17/25

Data filename: Page 5 of 18 Mechanical Engineer

Name - Title

Signature



Project Title: Loa Fish Hatchery Report date: 04/17/25

Data filename:

COMcheck Software Version COMcheckWeb Inspection Checklist Energy Code: 2018 IECC

Requirements: 0.0% 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.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [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 □Not Observable □Not Applicable	
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR10] ¹	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR11] ¹		□Complies □Does Not □Not Observable □Not Applicable	

|--|

Project Title: Loa Fish Hatchery Report date: 04/17/25
Data filename: Page 7 of 18

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.2 [PR14] ¹	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Report date: 04/17/25
Data filename: Page 8 of 18

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.	☐Complies ☐Does Not	
		□Not Observable □Not Applicable	
C303.2.1 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind,	\square Complies \square Does Not	
	landscaping and equipment maintenance activities.	□Not Observable □Not Applicable	
C105 [FO3] ²	and R-value consistent with insulation	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	specifications reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.2.4 [FO7] ²	Slab edge insulation depth/length. Slab insulation extending away from	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	building is covered by pavement or >= 10 inches of soil.	□Not Observable □Not Applicable	
,	Snow/ice melting system and freeze protection systems have sensors and	\square Complies \square Does Not	
[FO9] ³	controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Report date: 04/17/25
Data filename: Page 9 of 18

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12] ²	Fenestration products rated in accordance with NFRC.	\square Complies \square Does Not	
		□Not Observable □Not Applicable	
C303.1.3 [FR13] ¹	Fenestration products are certified as to performance labels or certificates	\square Complies \square Does Not	
	provided.	□Not Observable □Not Applicable	
C402.4.3 [FR10] ¹	Vertical fenestration SHGC value.	□Complies □Does Not	See the Envelope Assemblies table for values.
		□Not Observable □Not Applicable	
C402.4.3.		□Complies □Does Not	See the Envelope Assemblies table for values.
4 [FR8] ¹	specifications and as reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.5.1. 2.1	The building envelope contains a continuous air barrier that is sealed in	□Complies □Does Not	
[FR19] ¹	an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier penetrations are sealed in an approved manner.	□Not Observable □Not Applicable	
C402.5.4	Factory-built fenestration and doors are labeled as meeting air leakage	□Complies □Does Not	
[FR18] ³	requirements.	□Not Observable □Not Applicable	
C402.5.7 [FR17] ³	Vestibules are installed on all building entrances. Doors have self-closing	□Complies □Does Not	
	devices.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Report date: 04/17/25
Data filename: Page 10 of 18

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Report date: 04/17/25
Data filename: Page 11 of 18

Section #	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
& Req.ID			
C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	□Complies □Does Not	
	IIISulation > - K-3.3.	□Not Observable □Not Applicable	
C402.5.5, C403.2.4.	Stair and elevator shaft vents have motorized dampers that automatically close. Refernece section C403.7.7 for		
[ME3] ³	operational details.	□Not Observable □Not Applicable	
C403.7.7 [ME58] ³		Complies	
[MEDO]	shut when not in use and meet	□Does Not □Not Observable	
	maximum leakade fales. Check	□Not Observable □Not Applicable	
	Reference section language for operational details.		
C403.11.3 [ME61] ²		□Complies □Does Not	
	Insulation exposed to weather is protected from damage and is	□Not Observable	
	provided with shielding from solar radiation.	□Not Applicable	
C403.8.1 [ME65] ³		☐Complies ☐Does Not	See the Mechanical Systems list for values.
	fan system motor nameplate hp or fan	□Not Observable	
		□Not Applicable	
		☐Complies ☐Does Not	
,	the design point of operation <= 15%	□Not Observable	
	of maximum total efficiency of the fan.	□Not Applicable	
C403.12.1 [ME71] ²		☐Complies ☐Does Not	
[1 127 1]	controlled by an occupancy sensing	□Not Observable	
	device or timer switch.	□Not Applicable	
C403.2.2 [ME59] ¹		☐Complies ☐Does Not	
[[1123]	International Mechanical Code	□Does Not □Not Observable	
	Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply	□Not Observable	
C402.7.1	to minimum per IMC Chapter 4.		
C403.7.1 [ME59] ¹	for spaces >500 ft2 and >25	□Complies □Does Not	
	people/1000 ft2 occupant density and served by systems with air side	□Not Observable	
	economizer, auto modulating outside air damper control, or design airflow	□Not Applicable	
	>3,000 cfm.		
	has automatic contaminant detection	□Complies □Does Not	
	and capacity to stage or modulate fans to 50% or less of design capacity.	□Not Observable □Not Applicable	
C403.7.6 [ME141] ³		☐Complies ☐Does Not	
	guestrooms: Each guestroom is	□Not Observable	
	automatically manage temperature	□Not Applicable	
	setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).		
			:

2 Medium Impact (Tier 2)

Project Title: Loa Fish Hatchery

1 High Impact (Tier 1)

Data filename:

Report date: 04/17/25 Page 12 of 18

3 Low Impact (Tier 3)

Section			
# & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.4 [ME57] ¹	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	□Complies □Does Not □Not Observable □Not Applicable	
C403.7.5 [ME116] ³	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	□Complies □Does Not □Not Observable □Not Applicable	
,	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.3. 3.2 [ME121] ³	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	□Not Observable	
C403.4.1. 4 [ME63] ²	with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.2. 1 [ME53] ³	Air outlets and zone terminal devices have means for air balancing.	□Complies □Does Not □Not Observable □Not Applicable	
	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery
Data filename:

Section			
# & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2. 2 [EL22] ¹	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Does Not	
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.2, C405.2.2. 1, C405.2.2. 2 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1) have timeswitch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery

Data filename:

Section	Dough In Electrical Increast's a	Compliant	Commonts/Ati
# & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.	individual controls that control the lights independent of general area lighting. See code section C405.2.3	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL27] ¹		□Complies □Does Not □Not Observable □Not Applicable	
C405.2.5 [EL28] ^{null}	energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.		
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6] ¹	face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26] ²	electric transformers meet the minimum efficiency requirements of Table C405.6.	□Complies □Does Not □Not Observable □Not Applicable	
C405.7 [EL27] ²	efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	□Complies □Does Not □Not Observable □Not Applicable	
	with ASME A17.1/CSA B44 and have	□Complies □Does Not □Not Observable □Not Applicable	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery

Data filename:

Report date: 04/17/25 Page 15 of 18

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.	□Complies □Does Not □Not Observable □Not Applicable	
C402.2.1 [IN20] ¹	Insulation installed on a suspended ceiling having ceiling tiles is not being specified for roor/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	□Complies □Does Not □Not Observable □Not Applicable	
C303.1 [IN10] ²	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C105 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Envelope Assemblies table for values.
C402.2.3 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Envelope Assemblies table for values.
C402.2.6 [IN18] ³	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	□Complies □Does Not □Not Observable □Not Applicable	
C105 [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.	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
C402.5.1. 1 [IN1] ¹	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vaporpermeable wrapping material to minimize air leakage.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Report date: 04/17/25
Data filename: Page 16 of 18

Section			
#	Final Inspection	Complies?	Comments/Assumptions
& Req.ID C303.3, C408.2.5.	Furnished O&M instructions for systems and equipment to the	☐Complies ☐Does Not	
2 [FI17] ³	building owner or designated representative.	□Not Observable □Not Applicable	
C303.3, C408.2.5. 3 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable	
		□Not Applicable	
C402.5.6 [FI37] ¹	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.5.8 [FI26] ³		☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.2 [FI27] ³		□Complies □Does Not	
		□Not Observable □Not Applicable	
C403.2.4. 1 [FI47] ³		☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4. 1.1 [FI42] ³	-	□Complies □Does Not □Not Observable	
		□Not Applicable	
C403.4.1. 2 [FI38] ³	Thermostatic controls have a 5 °F deadband.	□Complies □Does Not	
[1.30]		□Not Observable □Not Applicable	
1.3	Temperature controls have setpoint overlap restrictions.	□Complies □Does Not	
[FI20] ³		□Not Observable □Not Applicable	
C403.2.4. 2 [FI39] ³	controls using automatic time clock or programmable control system.	□Complies □Does Not □Not Observable	
C403.2.4. 2.1, C403.2.4.	Automatic Controls: Setback to 55°F	□Not Applicable □Complies □Does Not	
2.2 [FI40] ³	backup	□Not Observable □Not Applicable	
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Interior Lighting fixture schedule for values.
	1 High Impact (Tier 1)	2 Medium Impa	act (Tier 2) 3 Low Impact (Tier 3)
			

Project Title: Loa Fish Hatchery

Data filename:

Report date: 04/17/25

Page 17 of 18

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.1 [FI28] ¹	Commissioning plan developed by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.3. 1 [FI31] ¹	HVAC equipment has been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3. 2 [FI10] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.4 [FI29] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5. 1 [FI7] ³	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 3 [FI43] ¹	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5. 4 [FI30] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	□Complies □Does Not □Not Observable □Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Report date: 04/17/25



Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Office

Location: Loa, Utah

Climate Zone: 5b

Project Type: New Construction

Vertical Glazing / Wall Area: 11%

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov

Jonathan Dazley MHTN 280 S 400 W Suite 250 Salt Lake City, Utah 84101 8016380874 jonathan.dazley@mhtn.com

Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Building Area Floor Area

1-Office and Maintenance Shops (Office): Nonresidential 5585

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Floor: Heated Slab-On-Grade, Vertical 3 ft., [Bldg. Use 1 - Office and Maintenance Shops] (c)	312		13.5	0.805	0.620
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Office and Maintenance Shops]	5628		40.0	0.025	0.032
NORTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office and Maintenance Shops]	1312	0.0	19.3	0.045	0.064
North Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID SNX51/23, SHGC 0.20, [Bldg. Use 1 - Office and Maintenance Shops] (b)	161			0.240	0.380
Norh OH Door: Insulated Metal, Garage door 14% glazing, [Bldg. Use 1 - Office and Maintenance Shops]	196			0.125	0.310
North Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Office and Maintenance Shops]	24			0.380	0.370
EAST Ext. Wall: Steel-Framed, 16in. o.c., [Bldg, Use 1 - Office and	000	0.0	10.0	0.045	0.004
Maintenance Shops]	962	0.0	19.3	0.045	0.064
East Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID SNX51/23, SHGC 0.20, [Bldg. Use 1 - Office and Maintenance Shops] (b)	42			0.240	0.380
SOUTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office and Maintenance Shops]	1312	0.0	19.3	0.045	0.064
South Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID SNX51/23, SHGC 0.20, [Bldg. Use 1 - Office	31			0.240	0.380

Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename: Page 1 of 19

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
and Maintenance Shops] (b)					
WEST Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Office and Maintenance Shops] South Man Door: Inculated Motal Swinging [Bldg. Use 1	941	0.0	19.3	0.045	0.064
South Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Office and Maintenance Shops]	88			0.380	0.370
West Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID SNX51/23, SHGC 0.20, [Bldg. Use 1 - Office and Maintenance Shops] (b)	276			0.240	0.380

- (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 18% 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 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Architect

Name - Title

Signature

04/18/2025

Page

Date

Apr. 18, 2025

Project Title: Loa Fish Hatchery Office Report date: 04/17/25 2 of 19

Data filename:



Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Office
Project Type: New Construction

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027 cmackay@utah.gov Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

3 of 19

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Office and Maintenance Shops (Office)	5585	0.71	3971
		Total Allowed Watts =	= 3971

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	(C X D)
1-Office and Maintenance Shops (Office)				
LED: D10: Other:	1	20	10	200
LED: D20: Other:	1	1	10	10
LED: LBO: Other:	1	15	99	1485
LED: P10: Other:	1	8	45	360
LED: P20: Other:	1	8	68	544
LED: U10: Other:	1	10	20	200
LED: U2O: Other:	1	2	28	56
LED: VTO: Other:	1	9	48	432
		Total Propos	sed Watts =	3287

Interior Lighting PASSES: Design 17% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename: Page

Electrical Engineer

Name - Title

Signature



04/18/2025

Date

Project Title: Loa Fish Hatchery Office Report date: 04/17/25 Page 4 of 19

Data filename:

COMcheck Software Version COMcheckWeb Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC

Project Title: Loa Fish Hatchery Office
Project Type: New Construction

Exterior Lighting Zone 2 (Residential mixed use area (LZ2))

Construction Site: 1305 West 975 South Loa, Utah 84747 Owner/Agent: Craig MacKay DFCM 4315 S. 2700 W., 3rd Floor

Taylorsville, Utah 84129-2128 385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101 8016380874 jonathan.dazley@mhtn.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	32 ft of	14	Yes	448
		Total Trada	ble Watts (a) =	448
		Total A	llowed Watts =	448
	Total Allo	wed Supplemer	ntal Watts (b) =	400

- (a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
- (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Pedestrian and vehicular entrances and exits (32 ft of door width): Tradak	ole Wattage			
LED: W10: Other:	1	6	14	84
LED: W2O: Other:	1	1	27	27
	Total Trac	dable Propos	sed Watts =	111

Exterior Lighting PASSES: Design 87% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Electrical Engineer

Name - Title Signature

04/18/2025

Date

Project Title: Loa Fish Hatchery Office

Data filename:

04/18/2025

Report date: 04/17/25

Page 5 of 19

COM*check* **Software Version COM***checkWeb* **Mechanical Compliance Certificate**

Project Information

2018 IECC **Energy Code:**

Loa Fish Hatchery Office Project Title:

Location: Loa. Utah

Climate Zone: 5h

Project Type: **New Construction**

Construction Site: 1305 West 975 South Loa, Utah 84747

Owner/Agent: Craig MacKay **DFCM**

4315 S. 2700 W., 3rd Floor Taylorsville, Utah 84129-2128

385-831-5027

cmackay@utah.gov

Designer/Contractor: Jonathan Dazley MHTN

280 S 400 W Suite 250 Salt Lake City, Utah 84101

8016380874

jonathan.dazley@mhtn.com

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed Reduced Lighting Power, 1.0 credit

Mechanical Systems List

Quantity System Type & Description

HVAC System (Unknown w/ PerimeterSystem):

Heating: 1 each - Unit Heater (EUH-2 Electric Unit Heater), Electric, Capacity = 13 kBtu/h No minimum efficiency requirement applies

2 AC-2,3 Split Systems (Single Zone):

Split System Heat Pump

Heating Mode: Capacity = 26 kBtu/h,

Proposed Efficiency = 8.20 HSPF, Required Efficiency = 8.20 HSPF

Cooling Mode: Capacity = 24 kBtu/h,

Proposed Efficiency = 14.30 SEER, Required Efficiency = 14.00 SEER Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00

HVAC System (Unknown w/ PerimeterSystem):

Heating: 1 each - Unit Heater (UH-11 Unit Heater), Propane, Capacity = 30 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

HVAC System (Unknown w/ PerimeterSystem): 1

Heating: 1 each - Unit Heater (UH-12,13 Unit Heaters), Propane, Capacity = 75 kBtu/h Proposed Efficiency = 80.00% Ec, Required Efficiency: 80.00 % Ec

HVAC System (Single Zone):

Heating: 1 each - Central Furnace, Propane, Capacity = 120 kBtu/h

No minimum efficiency requirement applies

Cooling: 1 each - Field-Assembled DX System, Capacity = 48 kBtu/h, Air-Cooled Condenser, Unknown Economizer

Proposed Efficiency = 14.00 SEER, Required Efficiency = 14.00 SEER

Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename: Page 6 of 19 Mechanical Engineer

Name - Title

Signature



Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename:

COMcheck Software Version COMcheckWeb Inspection Checklist Energy Code: 2018 IECC

Requirements: 0.0% 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.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1] ¹	·	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR2] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	□Complies □Does Not □Not Observable □Not Applicable	
C402.4.1 [PR11] ¹	The skylight area <= 3 percent of the gross roof area.	□Complies □Does Not □Not Observable □Not Applicable	

2 Medium impact (fier 2) 2 Low impact (fier 3)	1 High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
--	------------------------	---	------------------------	---	---------------------

Project Title: Loa Fish Hatchery Office Report date: 04/17/25
Data filename: Page 8 of 19

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.1. 1 [PR12] ¹	Vertical Fenestration Area Allowance: A maximum of 40 percent of gross above-grade wall area is permitted to be vertical fenestration area provided >= 50 percent of the conditioned floor area is within a daylight zone, daylight responsive controls are installed, and glazing assemblies within the scope of NFRC 200 have visible transmittance >= 1.1 times SHGC.		
C402.4.2 [PR14] ¹	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights > 15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office Report date: 04/17/25
Data filename: Page 9 of 19

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4] ²	Slab edge insulation installed per manufacturer's instructions.	☐Complies ☐Does Not	
		□Not Observable □Not Applicable	
C303.2.1 [FO6] ¹	Exterior insulation protected against damage, sunlight, moisture, wind,	\square Complies \square Does Not	
	landscaping and equipment maintenance activities.	□Not Observable □Not Applicable	
C105 [FO3] ²	and R-value consistent with insulation	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	specifications reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.2.4 [FO7] ²	Slab edge insulation depth/length. Slab insulation extending away from	\square Complies \square Does Not	See the Envelope Assemblies table for values.
	building is covered by pavement or >= 10 inches of soil.	□Not Observable □Not Applicable	
,	Snow/ice melting system and freeze protection systems have sensors and	\square Complies \square Does Not	
[FO9] ³	controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename: Page 10 of 19

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12] ²	Fenestration products rated in accordance with NFRC.	\square Complies \square Does Not	
		□Not Observable □Not Applicable	
C303.1.3 [FR13] ¹	Fenestration products are certified as to performance labels or certificates	\square Complies \square Does Not	
	provided.	□Not Observable □Not Applicable	
C402.4.3 [FR10] ¹	Vertical fenestration SHGC value.	□Complies □Does Not	See the Envelope Assemblies table for values.
		□Not Observable □Not Applicable	
C402.4.3.	and SHGC consistent with label	□Complies □Does Not	See the Envelope Assemblies table for values.
4 [FR8] ¹	specifications and as reported in plans and COMcheck reports.	□Not Observable □Not Applicable	
C402.5.1. 2.1	The building envelope contains a continuous air barrier that is sealed in	□Complies □Does Not	
[FR19] ¹	an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier penetrations are sealed in an approved manner.	□Not Observable □Not Applicable	
C402.5.4	Factory-built fenestration and doors are labeled as meeting air leakage	\square Complies \square Does Not	
[FR18] ³	requirements.	□Not Observable □Not Applicable	
C402.5.7 [FR17] ³	Vestibules are installed on all building entrances. Doors have self-closing	□Complies □Does Not	
	devices.	□Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename: Page 11 of 19

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6] ³	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.3 [PL7] ³	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	□Complies □Does Not □Not Observable □Not Applicable	
C404.7 [PL8] ³	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office Report date: 04/17/25

Data filename: Page 12 of 19

Section #	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
& Req.ID			
C402.2.6 [ME41] ³	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	□Complies □Does Not	
	IIISulation > - K-3.3.	□Not Observable □Not Applicable	
C402.5.5, C403.2.4.	Stair and elevator shaft vents have motorized dampers that automatically close. Refernece section C403.7.7 for		
[ME3] ³	operational details.	□Not Observable □Not Applicable	
C403.7.7 [ME58] ³		□Complies	
[MEDO]	shut when not in use and meet	□Does Not □Not Observable	
	maximum leakade fales. Check	□Not Observable □Not Applicable	
	Reference section language for operational details.		
C403.11.3 [ME61] ²		□Complies □Does Not	
	Insulation exposed to weather is protected from damage and is	□Not Observable	
	provided with shielding from solar radiation.	□Not Applicable	
C403.8.1 [ME65] ³		☐Complies ☐Does Not	See the Mechanical Systems list for values.
	fan system motor nameplate hp or fan	□Not Observable	
		□Not Applicable	
		☐Complies ☐Does Not	
	the design point of operation <= 15%	□Not Observable	
	of maximum total efficiency of the fan.	□Not Applicable	
C403.12.1 [ME71] ²		☐Complies ☐Does Not	
[1 127 1]	controlled by an occupancy sensing	□Not Observable	
	device or timer switch.	□Not Applicable	
C403.2.2 [ME59] ¹		☐Complies ☐Does Not	
[ME39]	International Mechanical Code	□Not Observable	
	Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply	□Not Applicable	
C403.7.1	to minimum per IMC Chapter 4.	Complies	
[ME59] ¹		□Complies □Does Not	
	served by systems with air side	□Not Observable	
	economizer, auto modulating outside air damper control, or design airflow	□Not Applicable	
0402.7.0	>3,000 cfm.	Пс ::	
	has automatic contaminant detection	□Complies □Does Not	
	and capacity to stage or modulate fans to 50% or less of design capacity.	□Not Observable □Not Applicable	
C403.7.6 [ME141] ³		☐Complies ☐Does Not	
	guestrooms: Each guestroom is	□Not Observable	
	automatically manage temperature	□Not Applicable	
	setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).		
			:

2 Medium Impact (Tier 2)

Project Title: Loa Fish Hatchery Office

1 High Impact (Tier 1)

Data filename:

3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.4 [ME57] ¹	systems meeting Table C403.7.4(1) and C403.7.4(2).	□Complies □Does Not □Not Observable □Not Applicable	
C403.7.5 [ME116] ³	replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum	□Complies □Does Not □Not Observable □Not Applicable	
,	accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
3.2 [ME121] ³	heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	□Not Observable □Not Applicable	
C403.4.1. 4 [ME63] ²	automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	□Does Not □Not Observable □Not Applicable	
C403.3.3 [ME35] ¹	kBtu/h - 50% >240 kBtu/h - 25%	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.2. 1 [ME53] ³	have means for air balancing.	□Complies □Does Not □Not Observable □Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME123] ³	coolers or walk-in freezers served by remote compressors and remote condensers not located in a	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office

Data filename:

Page 14 of 19

Report date: 04/17/25

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2. 2 [EL22] ¹	Spaces required to have light- reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1, C405.2.1. 1 [EL18] ¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 2 [EL19] ¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.1. 3 [EL20] ¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.2, C405.2.2. 1, C405.2.2. 2 [EL21] ²	Each area not served by occupancy sensors (per C405.2.1) have timeswitch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	□Complies □Does Not □Not Observable □Not Applicable	

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

Section	Dough In Electrical Inchestical	Compliant	Commonts/Ati
# & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.	individual controls that control the lights independent of general area lighting. See code section C405.2.3	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL26] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	□Complies □Does Not □Not Observable □Not Applicable	
C405.2.4 [EL27] ¹		□Complies □Does Not □Not Observable □Not Applicable	
C405.2.5 [EL28] ^{null}	energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.		
C405.2.6 [EL30] ^{null}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6] ¹	face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26] ²	electric transformers meet the minimum efficiency requirements of Table C405.6.	□Complies □Does Not □Not Observable □Not Applicable	
C405.7 [EL27] ²	efficiency requirements of Tables	□Complies □Does Not □Not Observable □Not Applicable	
	with ASME A17.1/CSA B44 and have	□Complies □Does Not □Not Observable □Not Applicable	
C405.9 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	□Complies □Does Not □Not Observable □Not Applicable	

I High impact (Her 1) Z Medium impact (Her 2) S Low impact (Her 3)	1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
--	---	----------------------	---	------------------------	---	---------------------

Project Title: Loa Fish Hatchery Office Report date: 04/17/25 Data filename:

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3] ¹	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.	□Complies □Does Not □Not Observable □Not Applicable	
C402.2.1 [IN20] ¹	Insulation installed on a suspended ceiling having ceiling tiles is not being specified for roor/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	□Complies □Does Not □Not Observable □Not Applicable	
C303.1 [IN10] ²	C303.1 Building envelope insulation is labeled		
C303.2 [IN7] ¹	Above-grade wall insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C105 [IN6] ¹	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Envelope Assemblies table for values.
C402.2.3 [IN8] ²	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	See the Envelope Assemblies table for values.
C402.2.6 [IN18] ³	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	□Complies □Does Not □Not Observable □Not Applicable	
C105 [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.	□Complies □Does Not □Not Observable □Not Applicable	See the Envelope Assemblies table for values.
C402.5.1. 1 [IN1] ¹	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vaporpermeable wrapping material to minimize air leakage.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office Report date: 04/17/25
Data filename: Page 17 of 19

Section			
#	Final Inspection	Complies?	Comments/Assumptions
& Req.ID C303.3, C408.2.5.	Furnished O&M instructions for systems and equipment to the	☐Complies ☐Does Not	
2 [FI17] ³	building owner or designated representative.	□Not Observable □Not Applicable	
C303.3, C408.2.5. 3 [FI8] ³	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable	
		□Not Applicable	
C402.5.6 [FI37] ¹	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.5.8 [FI26] ³		☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.2 [FI27] ³		□Complies □Does Not	
		□Not Observable □Not Applicable	
C403.2.4. 1 [FI47] ³	Heating and cooling to each zone is	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4. 1.1 [FI42] ³	Heat pump controls prevent	□Complies □Does Not □Not Observable	
		□Not Applicable	
C403.4.1. 2 [FI38] ³	Thermostatic controls have a 5 °F deadband.	□Complies □Does Not	
[1130]		□Not Observable □Not Applicable	
1.3		□Complies □Does Not	
[FI20] ³		□Not Observable □Not Applicable	
C403.2.4. 2 [FI39] ³	controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable	
C403.2.4. 2.1, C403.2.4.	Automatic Controls: Setback to 55°F	□Not Applicable □Complies □Does Not	
2.2 [FI40] ³	backup	□Not Observable □Not Applicable	
C405.4.1 [FI18] ¹		□Complies □Does Not □Not Observable □Not Applicable	See the Interior Lighting fixture schedule for values.
	1 High Impact (Tier 1)	2 Medium Impa	act (Tier 2) 3 Low Impact (Tier 3)
			

Project Title: Loa Fish Hatchery Office

Data filename:

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	□Complies □Does Not □Not Observable □Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [FI57] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.1 [FI28] ¹	Commissioning plan developed by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.3. 1 [FI31] ¹	HVAC equipment has been tested to ensure proper operation.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.3. 2 [FI10] ¹	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.4 [FI29] ¹	Preliminary commissioning report completed and certified by registered design professional or approved agency.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 1 [FI7] ³	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 3 [FI43] ¹	An air and/or hydronic system balancing report is provided for HVAC systems.	□Complies □Does Not □Not Observable □Not Applicable	
C408.2.5. 4 [FI30] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	□Complies □Does Not □Not Observable □Not Applicable	
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	□Complies □Does Not □Not Observable □Not Applicable	

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

Project Title: Loa Fish Hatchery Office Report date: 04/17/25
Data filename: Page 19 of 19