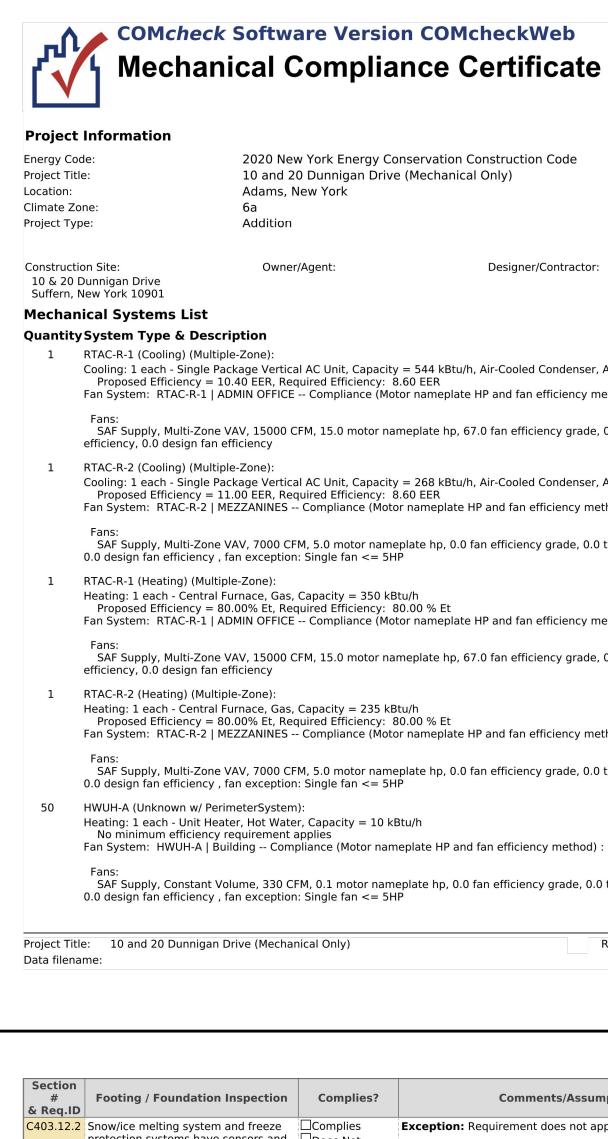
ENERGY DRAWING LIST

EN-001	ENERGY COMPLIANCE FORMS SHEET #1	01
EN-002	ENERGY COMPLIANCE FORMS SHEET #2	02
EN-003	ENERGY COMPLIANCE FORMS SHEET #3	03
EN-004	ENERGY COMPLIANCE FORMS SHEET #4	04



			ARCHITECT
Construction Site: 2012 Owner/Agent: 2014 Designer/Contractor: 2015 Owner/Agent: 2015 Designer/Contractor: 2015 Owner/Agent: 2015 Designer/Contractor: 2016 Designer/Contract	Superity System Type & Description: 9 HWUH-8 [Unknown w/ PerimeterSystem): Heating: 1: each - Unit Heater, Hot Water, Capacity = 8 kBtu/h No minimum efficiency requirement applies Fans: Sar Supply, Constant Volume, 270 CFM, 0.1 motor nameplate HP and fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency is fing fan <= 5HP	<form></form>	<section-header><section-header><section-header><image/><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></section-header></section-header></section-header>
Fan System: RTAC-R ⁻¹ ADMIN OFFICE Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: SAF Supply, Multi-Zone VAV, 15000 CFM, 15.0 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency 1 RTAC-R-2 (Heating) (Multiple-Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 235 kBtu/h Proposed Efficiency = 80.00% Ett Required Efficiency: 80.00% & Et Fan System: RTAC-R-2 MEZZANINES Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: SAF Supply, Multi-Zone VAV, 7000 CFM, 5.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency ; fan exception: Single fan <= 5HP	Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Data filename: Project 2 of 23	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Report date: 10/11/21. Data filename: Page 3 of 23	MANHATTAN BEER DISTRIBUTORS 20 DUNNIGAN DRIVE SUFFERN, NEW YORK
Section # Req.ID Footing / Foundation Inspection Complies? Comments/Assumptions C403.12.3 (C403.12.3) Snow//ce melting system and freeze controls configured to limit service for temperature. In ductoor temperature. future connection to controls. Complies? Exception: Requirement does not apply. Not Observable (FO9) ¹ Not Observable (Not Applicable) Not Applicable	Section & Req.ID Plumbing Rough-In Inspection Complies? Comments/Assumptions C404.5.1. (C404.5.2. [PL6] ³ Heated water supply piping conforms. crequirements. Refer to section details. [PL6] ³ Complies [Does Not [Does Not [Does Not [PL6] ³ Exception: Requirement does not apply. [Does Not [Does Not [Doe	Section # 6 Req.10 Plumbing Rough-In Inspection 6 Req.10 Complies? Comments/Assumptions C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Not Observable Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. [PL7] ³ Pumps that circulate water between a cycle. Complies Does Not Not Observable Exception: Requirement does not apply. [PL7] ³ Heater and storage tank have controts cycle.	REV DESCRIPTION DATE ISSUED FOR DOB SUBMISSION 09/10/202 ISSUED FOR BID 10/15/202
1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Report date: 10/11/21 Data filename: Page 4 of 23		C404.6.3 Pumps that circulate water between a loopes Not back apply. Does Not loopes Not that limit operation from startup to loopes Not loopes Not that limit operation from startup to loopes Not loopes	DRAWN BY : CHECKED BY : APPROVED BY : DATE : SCALE : DRAWING TITLE : ENERGY COMPLIANCE FORMS SHEET # DWG NUMBER :
		TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMEN	EN-001

			ARCHITECT
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Proposed Efficiency = 80.00% Ét, Required Efficiency: 80.00 % Et Fan System: RTAC-R-2 MEZZANINES Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: SAF Supply, Multi-Zone VAV, 7000 CFM, 5.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency , fan exception: Single fan <= 5HP	Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Data filename: Page 2 of 23	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Report date: 10/11/21 Data filename: Page 3 of 23	MANHATTAN BEER 20 DUNNIGAN DRIV SUFFERN, NEW YO KEY PLAN
Section Footing / Foundation Inspection Complies? Comments/Assumptions C403.12.2 Snow/ice melting system and freeze protection systems have sensors and controls. Complies Exception: Requirement does not apply. [F09]3 controls configured to limit service for controls. Not Observable Not Applicable	Section & Req.1D Plumbing Rough-In Inspection & Req.1D Complies? Comments/Assumptions C404.5.1. (2404.5.2) Heated water supply piping conforms (2404.5.1) Complies Complies C404.5.2. (PL6] ³ requirements. Refer to section details. Oces Not Exception: Requirement does not apply. C404.5.1. (2404.5.1) to pipe length and volume Complies Exception: Requirement does not apply. C404.5.2. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement does not apply. C404.5.2. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement does not apply. C404.5.2. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement does not apply. C404.5.1. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement does not apply. C404.5.2. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement does not apply. C404.5.2. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement does not apply. C404.5.2. (PL6] ³ Heated water supply piping conforms Complies Exception: Requirement will be met. C404.5.2. (PL6] ³ Heated water supply	Section # & Req.ID Plumbing Rough-In Inspection Complies? Comments/Assumptions C404.6.3 [PL7] ³ Pumps that circulate water between a heater and storage tank have controls cycle. Complies [Does Not > = 5 minutes after end of heating cycle. Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a int limit operation from startup to cycle. Complies [Does Not boos Not complies Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies [Does Not complies Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complies [Does Not that limit operation from startup to cycle. Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to cycle. Complies [Does Not Not Observable] C404.6.3 [PL7] ³ Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to cycle. Complies [Does Not Not Applicable] C404.6.3 [PL7] ³ Pumps that circulate water between a heater and storage tank have controls boos Not that limit operation from startup to cycle. Exception: Requirement does not apply. C404.6.3 [PL7] ³ Pumps that circulate water between a cycle. Complie	REV DESCRIPTION ISSUED FOR DOB SUE ISSUED FOR BID
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1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Report date: 10/11/21 Data filename: Page 4 of 23	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Report date: 10/11/21 Data filename: Page 5 of 23	1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3) Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Report date: 10/11/21 Data filename: Page 6 of 23 TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2	

THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

eq.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions	Addition	al Comments/Assumptions:				Section #	Mechanical Rough-In Inspection	Complies?	Comments/Assumpti
.7 [Demand recirculation water systems		Exception: Requirement does not apply.						& Req.ID C402.2.6	Thermally ineffective panel surfaces o		Exception: Requirement does not apply.
ן מ מ	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	□Does Not □Not Observable □Not Applicable								sensible heating panels have insulation >= R-3.5.	Does Not	
۲ ۱ ۲	of the water entering the cold-water piping to 104°F. Demand recirculation water systems have controls that start the pump	□Complies □Does Not	Exception: Requirement does not apply.						[ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is	Does Not	Requirement will be met.
	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.	□Not Observable							C403.11.3	provided with shielding from solar radiation. HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is	Does Not	Requirement will be met.
l ł	Demand recirculation water systems have controls that start the pump upon receiving a signal from the	□Complies □Does Not □Not Observable	Exception: Requirement does not apply.							protected from damage and is provided with shielding from solar radiation.	□Not Observable □Not Applicable	
	action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F. Demand recirculation water systems	□Not Applicable	Exception: Requirement does not apply.						[ME61] ²	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
	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	Does Not							[ME65] ³	radiation. HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or far system bhp.	Does Not	Requirement will be met. See the Mechanical Systems list for values.
	Deping to 104°F. Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or	Complies	Exception: Requirement does not apply.						[ME65] ³	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or far system bhp.	Does Not	Requirement will be met. See the Mechanical Systems list for values.
0 F [appliance and limits the temperature of the water entering the cold-water piping to 104°F. Demand recirculation water systems have controls that start the pump	One of the second seco	Exception: Requirement does not apply.						[ME117] ²	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	□Complies □Does Not □Not Observable	Requirement will be met.
	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.	Does Not							[ME117] ²	fan. 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	Does Not	Requirement will be met.
	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	Complies Does Not Not Observable	Requirement will be met.						C403.8.4 [ME142] ²	fan. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the	□Not Applicable □Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply
	of the water entering the cold-water piping to 104°F. Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or	Complies	Exception: Requirement does not apply.						C403.8.4 [ME142] ²	means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of		Exception: Requirement does not apply
a 0 F [appliance and limits the temperature of the water entering the cold-water piping to 104°F. Demand recirculation water systems have controls that start the pump	□Not Applicable □Complies □Does Not	Requirement will be met.						C403.8.4	70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of	□Complies □Does Not □Not Observable	Exception: Requirement does not apply
	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.	□Not Observable □Not Applicable								have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.		
		2 Medium Imr	pact (Tier 2) 3 Low Impact (Tier 3)		1 High Impact (Tier :) 2 Medium Imp		Fior 2)		1 High Impact (Tier 1)	2 Medium Imp	act (Tier 2) 3 Low Impact (Tier 3)
itle: nam	,		Report date: 10/11/21 Page 7 of 23	Project Titl Data filena	e: 10 and 20 Dunnigan Drive (Me ime:	•	bact (Tier 2) 3 Low Impact (T	Report date: 10/11/21 Page 8 of 23	Project Title Data filena	e: 10 and 20 Dunnigan Drive (Mecha	anical Only)	Rep
	: 10 and 20 Dunnigan Drive (Mecha	anical Only)	Report date: 10/11/21 Page 7 of 23		ime:	hanical Only)		Report date: 10/11/21 Page 8 of 23	-	e: 10 and 20 Dunnigan Drive (Mecha		
	: 10 and 20 Dunnigan Drive (Mechane: Mechanical Rough-In Inspection Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or	Complies?	Report date: 10/11/21 Page 7 of 23 Comments/Assumptions Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.8.5	Mechanical Rough-In Inspection Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to ware the indeer fan air	n Complies? Generation Complies Generation Complies Generation Complies Generation Complies Complies Not Does Not Does Not	Comments/As Exception: Requirement does no	Report date: 10/11/21 Page 8 of 23	Data filena Section # & Req.ID C403.7.1 [ME59] ¹	e: 10 and 20 Dunnigan Drive (Mecha me: Mechanical Rough-In Inspection Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and	Complies?	Comments/Assumpti Exception: Requirement does not apply
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	I 0 and 20 Dunnigan Drive (Mechane: Mechanical Rough-In Inspection Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of romeans to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of romeans to adjust motor speed. Motors for fans that are not less than 1/12 hp and less than 1 hp	anical Only) Complies? Complies Complies Does Not Not Observable Complies Complies Complies Complies Complies Complies Complies Complies Not Applicable Complies Not Applicable Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable Complies Does Not Not Observable Complies Complies	Report date: 10/11/21 Page 7 of 23 Comments/Assumptions Exception: Requirement does not apply. Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.8.5 [ME143] ² C403.8.5 [ME143] ² C403.8.5 [ME143] ² C403.8.5 [ME143] ²	Mechanical Rough-In Inspection Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan air as a function of load and comply w detailed requirements of this section Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan air as a function of load and comply w detailed requirements of this section system with fans > 1/4 hp are designed to vary the indoor fan air as a function of load and comply w detailed requirements of this section Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan air	Image: Second state with a	Comments/As Exception: Requirement does no	Report date: 10/11/21 Page 8 of 23	Data filena Section # & Req.ID C403.7.1 [ME59] ¹ C403.7.2 [ME115] ³ C403.7.3 [ME140] ³	e: 10 and 20 Dunnigan Drive (Mechame: Mechanical Rough-In Inspection 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. Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity Units that provide ventilation air to multiple zones and operate in combination with zone heating and cooling systems do not use heating or heat recovery to warm supply air to a temperature greater than 60°F when representative building loads or outdoor air temperatures indicate that the majority of zones require cooling. HVAC systems serving guestrooms in	Complies? Complies Complies Complies Complies Not Observable Not Applicable Complies Complies Complies Complies Not Applicable Not Applicable Complies	Comments/Assumpt
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	[TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT,		
		THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.		

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.5.3. 3 [ME124] ¹	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.5.3. 3 [ME124] ¹	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.5.3. 4 [ME125] ¹	System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.5.3. 4 [ME125] ¹	System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.5.3. 5 [ME126] ¹	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.5.3. 5 [ME126] ¹	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 1 [ME75] ²	Hydronic and multizone HVAC system controls areVAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 1 [ME75] ²		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 1 [ME75] ²	Hydronic and multizone HVAC system controls areVAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 1 [ME75] ²	Hydronic and multizone HVAC system controls areVAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.4.1. 2 [ME67] ²		□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.

Section # & Req.ID	Mechanical Rough-In Inspection
403.4.1. ME67] ²	VAV fans have static pressure sensor located so controller setpoint <=1.2 w.c
403.4.1. ME67] ²	VAV fans have static pressure sensor located so controller setpoint <=1.2 w.c
2403.4.1. ME67] ²	VAV fans have static pressure sensor located so controller setpoint <=1.2 w.c
2403.4.1. ME24] ²	Reset static pressure setpoint for DD controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.
403.4.1. ME24] ²	Reset static pressure setpoint for DD controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.
403.4.1. ME24] ²	Reset static pressure setpoint for DD controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.
403.4.1. ME24] ²	Reset static pressure setpoint for DD controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.
403.4.3 ME69] ³	The heating of fluids in hydronic systems that have been previously mechanically cooled, and the cooling of fluids that have been previously mechanically heated are limited in accordance with Sections C403.4.3.1 C403.4.3.3. Single boiler systems >500,000 Btu/h have multistaged or modulating burner.
403.4.3. ME50] ²	Three-pipe hydronic systems using a common return for hot and chilled water are not used.
403.4.3. ME50] ²	Three-pipe hydronic systems using a common return for hot and chilled water are not used.
403.4.3. ME50] ²	Three-pipe hydronic systems using a common return for hot and chilled water are not used.
403.4.4 ME68] ³	Hydronic systems greater than 300,000 Btu/h designed for variable fluid flow. See section language for fu details.

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10 and 20 Dunnigan Drive (Mechanic	cal C	Dnly)

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Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.6.2 [ME131] ³	Single-duct VAV systems use terminal devices configured to reduce the supply of primary supply air before reheating or recooling takes place.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
C403.6.2 [ME131] ³	Single-duct VAV systems use terminal devices configured to reduce the supply of primary supply air before reheating or recooling takes place.	Complies Does Not Not Observable Not Applicable	Requirement will be met.
C403.6.3 [ME132] ³	Systems that have 1 warm air duct and 1 cool air duct use terminal devices configured to reduce the flow from one duct to a minimum before mixing of air from the other duct takes place.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.3 [ME132] ³	Systems that have 1 warm air duct and 1 cool air duct use terminal devices configured to reduce the flow from one duct to a minimum before mixing of air from the other duct takes place.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.3 [ME132] ³	Systems that have 1 warm air duct and 1 cool air duct use terminal devices configured to reduce the flow from one duct to a minimum before mixing of air from the other duct takes place.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.3 [ME132] ³	Systems that have 1 warm air duct and 1 cool air duct use terminal devices configured to reduce the flow from one duct to a minimum before mixing of air from the other duct takes place.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.4 [ME133] ³	Individual dual-duct or mixing heating and cooling systems with a single fan and with total capacities > 90,000 Btu/h not equipped with air economizers.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.4 [ME133] ³	Individual dual-duct or mixing heating and cooling systems with a single fan and with total capacities > 90,000 Btu/h not equipped with air economizers.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.4 [ME133] ³	Individual dual-duct or mixing heating and cooling systems with a single fan and with total capacities > 90,000 Btu/h not equipped with air economizers.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.4 [ME133] ³	Individual dual-duct or mixing heating and cooling systems with a single fan and with total capacities > 90,000 Btu/h not equipped with air economizers.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.
C403.6.5 [ME134] ³	Multiple zone HVAC systems have supply air temperature reset controls.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
	Multiple zone HVAC systems have supply air temperature reset controls.	Complies Does Not Not Observable	Requirement will be met.
	1 High Impact (Tier 1)	2 Medium Imp	act (Tier 2) 3 Low Impact (Tier 3)
C403.6.5 [ME134] ³ Project Title Data filenai	supply air temperature reset controls. 1 High Impact (Tier 1) 2: 10 and 20 Dunnigan Drive (Mechar	Complies Does Not Not Observable Not Applicable	

ection # Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions	# & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
.4.1.	VAV fans have static pressure sensors located so controller setpoint <=1.2	□Complies □Does Not	Requirement will be met.	C403.3.4 [ME107] ³	System turndown requirement met through multiple single-input boilers,	□Complies □Does Not	Requirement will be met.
7] ²	W.C	Not Observable			one or more modulating boilers, or a combination of single-input and	□Not Observable □Not Applicable	See the Mechanical Systems list for values.
.4.1.	VAV fans have static pressure sensors		Requirement will be met.		modulating boilers. Boiler input between 1.0 MBtu/h and 5 MBtu/h has		
57] ²	located so controller setpoint <=1.2 w.c	□Does Not □Not Observable			3:1 turndown ratio, boiler input between 5.0 MBtu/h and 10 MBtu/h		
~		Not Applicable			has 4:1 turndown ratio, boiler input > 10.0 MBtu/h has 5:1 turndown ratio.	— ———————————————————————————————————	
03.4.1. E67] ²	VAV fans have static pressure sensors located so controller setpoint <=1.2	□Complies □Does Not	Requirement will be met.	C403.4.5 [ME26] ³	Chilled water plants with multiple chillers have capability to reduce flow	□Complies □Does Not	Requirement will be met.
-07]-	W.C	□Not Observable □Not Applicable			automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the	□Not Observable □Not Applicable	
03.4.1.	Reset static pressure setpoint for DDC controlled VAV boxes reporting to	• • • • • • • • • • • • • • • • • • • •	Requirement will be met.		capability to reduce flow automatically through the boiler plant when a boiler		
E24] ²	central controller based on the zones requiring the most pressure.	□Not Observable		C 102 1 5	is shut down. Chilled water plants with multiple		
03.4.1.	Reset static pressure setpoint for DDC	□Not Applicable □Complies	Requirement will be met.	C403.4.5 [ME26] ³	chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler		Requirement will be met.
	controlled VAV boxes reporting to central controller based on the zones	\Box Does Not			when a chiller is shut down. Boiler plants with multiple boilers have the	□Not Observable □Not Applicable	
	requiring the most pressure.	□Not Observable □Not Applicable			capability to reduce flow automatically through the boiler plant when a boiler		
	Reset static pressure setpoint for DDC controlled VAV boxes reporting to	□Complies □Does Not	Requirement will be met.	C403.4.5	is shut down. Chilled water plants with multiple		Requirement will be met.
IE24] ²	central controller based on the zones requiring the most pressure.	□Not Observable □Not Applicable		[ME26] ³	chillers have capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler	·	•
403.4.1.	Reset static pressure setpoint for DDC		Requirement will be met.		plants with multiple boilers have the	□Not Applicable	
IE24] ²	controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	□Does Not □Not Observable			capability to reduce flow automatically through the boiler plant when a boiler		
103.4.3	The heating of fluids in hydronic	□Not Applicable □Complies	Requirement will be met.	C403.6.1	is shut down. Supply air systems serving multiple	Complies	Requirement will be met.
IE69] ³	systems that have been previously mechanically cooled, and the cooling	Does Not		[ME130] ³	zones have VAV systems with controls configured to reduce the volume of air that is reheated, recooled or mixed in each zone. See section for details.	Does Not	
	of fluids that have been previously mechanically heated are limited in	□Not Observable □Not Applicable			that is reheated, recooled or mixed in each zone. See section for details.		
	accordance with Sections C403.4.3.1- C403.4.3.3. Single boiler systems				Supply air systems serving multiple zones have VAV systems with controls	□Complies □Does Not	Requirement will be met.
	>500,000 Btu/h have multistaged or modulating burner.				configured to reduce the volume of air that is reheated, recooled or mixed in	□Not Observable □Not Applicable	
	Three-pipe hydronic systems using a common return for hot and chilled	□Complies □Does Not	Requirement will be met.	C403.6.1	each zone. See section for details. Supply air systems serving multiple		Requirement will be met.
E50] ²	water are not used.	□Not Observable □Not Applicable		[ME130] ³	zones have VAV systems with controls configured to reduce the volume of air that is reheated, recealed or mixed in		
103.4.3.	Three-pipe hydronic systems using a	Complies	Requirement will be met.		that is reheated, recooled or mixed in each zone. See section for details.	□Not Applicable	
E50] ²	common return for hot and chilled water are not used.	□Does Not □Not Observable		C403.6.1 [ME130] ³	Supply air systems serving multiple zones have VAV systems with controls	□Complies □Does Not	Requirement will be met.
02.4.2	- 1	Not Applicable			configured to reduce the volume of air that is reheated, recooled or mixed in	□Not Observable □Not Applicable	
	Three-pipe hydronic systems using a common return for hot and chilled	□Complies □Does Not	Requirement will be met.		each zone. See section for details. Single-duct VAV systems use terminal		Requirement will be met.
E50] ²	water are not used.	□Not Observable □Not Applicable		[ME131] ³	devices configured to reduce the supply of primary supply air before	□Does Not □Not Observable	
E6013	Hydronic systems greater than 300,000 Btu/h designed for variable		Requirement will be met.	C 102 C 2	reheating or recooling takes place.	□Not Applicable	
200]	fluid flow. See section language for ful details.	I □Not Observable		C403.6.2 [ME131] ³		□Complies □Does Not	Requirement will be met.
		□Not Applicable			reheating or recooling takes place.	□Not Observable □Not Applicable	
	1 High Impact (Tier 1)	2 Medium Imp	act (Tier 2) 3 Low Impact (Tier 3)		1 High Impact (Tier 1)	2 Medium Imp	act (Tier 2) 3 Low Impact (Tier 3)
	5	nical Only)	Report date: 10/11/21 Page 14 of 23	Project Titl Data filena	5	nical Only)	Report date: : Page 1
a filenai	5	nical Only) Complies?		Data filena Section #	ame: Mechanical Rough-In Inspection	nical Only) Complies?	•
ection # 03.6.5	me: Mechanical Rough-In Inspection Multiple zone HVAC systems have	Complies?	Page 14 of 23	Data filena Section # & Req.ID C403.6.7	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air	Complies?	Page 1
ection # Req.ID	ne: Mechanical Rough-In Inspection	Complies?	Page 14 of 23 Comments/Assumptions Requirement will be met.	Data filena Section # & Req.ID	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal	Complies?	Page 1
ection # Req.ID 03.6.5 E134] ³	ne: Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls.	Complies?	Page 14 of 23 Comments/Assumptions Requirement will be met.	Data filena Section # & Req.ID C403.6.7	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls	Complies?	Page 1
ection # Req.ID 03.6.5 E134] ³ 03.6.5	me: Mechanical Rough-In Inspection Multiple zone HVAC systems have	Complies? Complies Does Not Not Observable Not Applicable Complies Does Not	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met.	Data filena Section # & Req.ID C403.6.7	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during	Complies?	Page 1
ection # Req.ID 03.6.5 E134] ³ 03.6.5	me: Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have	Complies? Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable Not Observable Not Applicable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met.	Data filena Section # & Req.ID C403.6.7	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate	Complies?	Page 1
ection # Req.ID 03.6.5 E134] ³ 03.6.5 E134] ³	me: Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls	Complies? Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met.	Data filena Section # & Req.ID C403.6.7	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the	Complies?	Page 1
Req.ID 103.6.5 1E134] ³ 103.6.5 1E134] ³	me: Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is	Complies? Complies Does Not Not Observable Complies Does Not Not Observable Complies Does Not Not Applicable Complies Does Not Not Observable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.6.7	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler	Complies?	Page 1
Eection # Req.ID 103.6.5 1E134] ³ 103.6.5 1E134] ³ 103.6.7 1E136] ³	Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan	Complies? Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable Complies Does Not Not Applicable Complies Does Not Not Observable Not Observable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.6.7 [ME136] ³ C403.6.8	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air. Systems with DDC of individual zones	Complies?	Page 1
Example Example Req.ID 103.6.5 IE134] ³ 103.6.7 IE136] ³	Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during	Complies? Complies Does Not Not Observable Complies Does Not Not Observable Complies Does Not Not Applicable Complies Does Not Not Observable Not Applicable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.6.7 [ME136] ³	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air. Systems with DDC of individual zones reporting to the central control panel configured to reset the static pressure	Complies?	Page 1 Comments/Assumptions Exception: Requirement does not apply.
Example 1 a filenal Example 2 a filenal Req.ID 103.6.5 103.6.5 103.6.5 103.6.7 103.6.7 103.6.7 103.6.7	Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the	Complies? Complies Does Not Not Observable Complies Does Not Not Observable Complies Does Not Not Applicable Complies Does Not Not Observable Not Applicable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.6.7 [ME136] ³ C403.6.8	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air. Systems with DDC of individual zones reporting to the central control panel	Complies? Complies Does Not Not Observable Not Applicable	Page 1 Comments/Assumptions Exception: Requirement does not apply.
ection # Req.ID 03.6.5 E134] ³ 03.6.7 E136] ³	Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide	Complies? Complies Does Not Not Observable Complies Does Not Not Observable Complies Does Not Not Applicable Complies Does Not Not Observable Not Applicable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.6.7 [ME136] ³ C403.6.8	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air. Systems with DDC of individual zones reporting to the central control panel configured to reset the static pressure setpoint based on zone requiring the most pressure. The DDC is capable of monitoring zone damper positions or have an alternative method of indicating the need for static pressure.	Complies? Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable Not Observable Not Applicable	Page 1 Comments/Assumptions Exception: Requirement does not apply.
ection # Req.ID 103.6.5 12134] ³ 103.6.7 12136] ³	Mechanical Rough-In Inspection Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone HVAC systems have supply air temperature reset controls. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air.	Complies? Complies Does Not Not Observable Complies Does Not Not Observable Complies Does Not Complies Does Not Not Observable Not Applicable Not Applicable	Page 14 of 23 Comments/Assumptions Requirement will be met. Requirement will be met. Exception: Requirement does not apply.	Data filena Section # & Req.ID C403.6.7 [ME136] ³ C403.6.8 [ME137] ³ C403.6.8	Mechanical Rough-In Inspection Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air. Systems with DDC of individual zones reporting to the central control panel configured to reset the static pressure setpoint based on zone requiring the most pressure. The DDC is capable of monitoring zone damper positions or have an alternative method of indicating the need for static pressure. See section for details. Systems with DDC of individual zones	Complies? Complies Does Not Not Observable Not Applicable Complies Does Not Not Observable Not Observable Not Applicable	Page 1 Comments/Assumptions Exception: Requirement does not apply.
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403.9.5 Conde VE31] ³ Conde 403.9.5 Conde 403.9.5 Conde 403.9.5 Conde 403.9.5 Conde 403.9.5 Conde 403.9.5 Conde 60% o for pre 403.9.5 Conde 403.9.5 Conde 60% o for pre 403.9.5 Conde 60% o 60% o	nser heat recovery system that at water to 85 °F or provide f peak heat rejection is installed heating of service hot water. nser heat recovery system that at water to 85 °F or provide f peak heat rejection is installed heating of service hot water. nser heat recovery system that at water to 85 °F or provide f peak heat rejection is installed	Does Not Not Observable Not Applicable Complies Does Not Not Observable Not Applicable Complies Does Not		Addition	al Comments/Assumptions:
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	שנפוי שני שני אוכב חטר שמופוי.	□Not Observable	Requirement will be met.		
Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions	Section # & Req.ID	Final Inspection
	erature controls have setpoint o restrictions.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	C404.4 [FI25] ²	All piping insulated in accordance section details and Table C403.11
contro	one equipped with setback Is using automatic time clock or mmable control system.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	C404.6.1 [FI12] ³	Controls are installed that limit th operation of a recirculation pump installed to maintain temperature storage tank. System return pipe
.1, (heat)	and 85°F (cool); 7-day clock, 2- ccupant override, 10-hour	_	Requirement will be met.	C408.2.1 [Fi28] ¹	dedicated return pipe or a cold we supply pipe. Commissioning plan developed by registered design professional or approved agency.
	ns include optimum start ls.	□Complies □Does Not	Requirement will be met.	C408.2.3. 1 [FI31] ¹	HVAC equipment has been tested ensure proper operation.
		□Not Observable □Not Applicable □Complies □Does Not	Requirement will be met.	C408.2.3. 2 [FI10] ¹	HVAC control systems have been tested to ensure proper operatior calibration and adjustment of con
	here a second	□Not Observable □Not Applicable □Complies	Requirement will be met.		Economizers have been tested to ensure proper operation.
.3 contro		Does Not Not Observable Not Applicable Complies	Requirement will be met.	[FI32] ¹ C408.2.4	Preliminary commissioning report
.3 contro	ls.	Does Not Not Observable Not Applicable		[FI29] ¹	completed and certified by registed design professional or approved agency. Furnished HVAC as-built drawings
403.2.4. Syster .3 contro 	ls.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	1 [FI7] ³	submitted within 90 days of syste acceptance.
403.2.4. Syster .3 [41] ³	ns include optimum start ls.	□Complies □Does Not □Not Observable	Requirement will be met.	C408.2.5. 3 [FI43] ¹	An air and/or hydronic system balancing report is provided for H systems.
403.2.4. Syster .3 contro FI41] ³	ns include optimum start	\Box Does Not	Requirement will be met.	C408.2.5. 4 [FI30] ¹	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy
403.2.4. Syster .3 contro		Not Applicable	Requirement will be met.	Addition	al Comments/Assumptions:
-141] ³ 404.3 Heat t	rge piping of non-circulating	□Not Observable □Not Applicable □Complies □Does Not	Exception: Requirement does not apply.		
		□Not Observable □Not Applicable			
	1 High Impact (Tier 1)	2 Medium Impa	ct (Tier 2) 3 Low Impact (Tier 3)		1 High Impact (Tier
C403.2.4. 2.3 [FI41] ³ Syster c404.3 Heat t	raps installed on supply and	□Complies □Does Not □Not Observable □Not Applicable □Complies			

water-heating equipment serve the building with combined rating >= 1,000 kBtu/h, the combined inputcapacity-weighted-average thermal efficiency >= 90 Et. Exclude input rating of equipment in individual dwelling units and equipment <= 100 kBtu/h. C408.2.2. Air outlets and zone terminal device have means for air balancing. [ME53]³ C408.2.2. HVAC hydronic heating and cooling coils have means to balance and hav [ME54]³ pressure test connections. C408.2.2. 2 HVAC hydronic heating and cooling coils have means to balance and ha [ME54]³ pressure test connections. C408.2.2. HVAC hydronic heating and cooling coils have means to balance and hav [ME54]³ pressure test connections. C403.5, Refrigerated display cases, walk-in C403.5.1, coolers or walk-in freezers served by C403.5.1, Coolers or Walk-In freezers served by C403.5.2 [ME123]³ remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compresso systems that comply with C403.5.2.. Additional Comments/Assumptions: Project Title: 10 and 20 Dunnigan Drive (Mechanical Only) Data filename:

[FI25]2section details and Table C403.11.3.C404.6.1Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.C408.2.1Commissioning plan developed by registered design professional or approved agency.C408.2.3.HVAC equipment has been tested to ensure proper operation.C408.2.3.HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controlsC408.2.3.Economizers have been tested to ensure proper operation.C408.2.3.Freliminary commissioning report completed and certified by registered design professional or approved agency.C408.2.4Preliminary commissioning report completed and certified by registered design professional or approved agency.C408.2.5.Furnished HVAC as-built drawings submitted within 90 days of system acceptance.C408.2.5.An air and/or hydronic system balancing report is provided for HVAC	Section #	Final Inspection	
[FI12]3operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water 	C404.4	All piping insulated in accordance with section details and Table C403.11.3.	
[FI28]1registered design professional or approved agency.C408.2.3.HVAC equipment has been tested to ensure proper operation.[FI31]1HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controlsC408.2.3.Economizers have been tested to ensure proper operation.C408.2.3.Economizers have been tested to ensure proper operation.C408.2.3.Freliminary commissioning report completed and certified by registered design professional or approved agency.C408.2.4.Freliminary commissioning report completed and certified by registered design professional or approved agency.C408.2.5.Furnished HVAC as-built drawings submitted within 90 days of system acceptance.C408.2.5.An air and/or hydronic system balancing report is provided for HVAC		operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water	
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[FI29]1completed and certified by registered design professional or approved agency.C408.2.5.Furnished HVAC as-built drawings submitted within 90 days of system acceptance.C408.2.5.An air and/or hydronic system balancing report is provided for HVAC	3		
1 [FI7]3submitted within 90 days of system acceptance.C408.2.5. 3An air and/or hydronic system balancing report is provided for HVAC		completed and certified by registered design professional or approved	
3 balancing report is provided for HVAC	1	submitted within 90 days of system	
[FI43] ¹ systems.		balancing report is provided for HVAC	
C408.2.5.Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	4	building owner within 90 days of	

D	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions	
	installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency >= 90 Et. Where multiple pieces of water-heating equipment serve the building with combined rating >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency >= 90 Et. Exclude input rating of equipment in individual dwelling units and equipment <= 100 kBtu/h.	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.	
•	have means for air balancing.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	
•	coils have means to balance and have pressure test connections.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	
	coils have means to balance and have pressure test connections.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	
	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.	
,	coolers or walk-in freezers served by remote compressors and remote condensers not located in a	□Complies □Does Not □Not Observable □Not Applicable	Exception: Requirement does not apply.	
na	al Comments/Assumptions:			

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

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Section #	Final Inspection	Complies?	Comments/Assumptions
& Req.ID		_	
303.3, 408.2.5.	Furnished O&M manuals for HVAC systems within 90 days of system	□Complies □Does Not	Requirement will be met.
	acceptance.	□Does Not	
-18] ³			
403.2.2 [27] ³	HVAC systems and equipment capacity does not exceed calculated	□Complies □Does Not	Requirement will be met.
	loads.	□Not Observable □Not Applicable	
403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
-147] ³	Minimum one humidity control device per installed humidification/dehumidification system.	□Not Observable □Not Applicable	
403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
FI47] ³	Minimum one humidity control device	□Does Not □Not Observable	
	per installed humidification/dehumidification system.		
403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	Complies Does Not	Requirement will be met.
FI47] ³	Minimum one humidity control device	□Does Not	
	per installed humidification/dehumidification system.	□Not Applicable	
	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
FI47] ³	Minimum one humidity control device per installed	□Not Observable	
	humidification/dehumidification system.	□Not Applicable	
2403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
FI47] ³	Minimum one humidity control device	□Does Not □Not Observable	
	per installed humidification/dehumidification system.	□Not Applicable	
2403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
FI47] ³	Minimum one humidity control device	□Does Not	
	per installed humidification/dehumidification system.		
403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
- FI47] ³	Minimum one humidity control device	□Does Not □Not Observable	
	per installed humidification/dehumidification system.		
2403.2.4.	Heating and cooling to each zone is controlled by a thermostat control.	□Complies □Does Not	Requirement will be met.
FI47] ³	Minimum one humidity control device	□Does Not □Not Observable	
	per installed humidification/dehumidification system.		
403.4.1.	Thermostatic controls have a 5 °F deadband.	□Complies □Does Not	Requirement will be met.
FI38] ³		□Not Observable	
		□Not Applicable	
	1 High Impact (Tier 1)	2 Medium Impa	act (Tier 2) 3 Low Impact (Tier 3)
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	Complies?	Comments/Assumptions
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fa	Complies Does Not Not Observable	Requirement will be met.
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ols.	Not Applicable Complies Does Not Not Observable Not Applicable	Requirement will be met.
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٩C	Complies Does Not Not Observable Not Applicable	Requirement will be met.
	□Complies □Does Not □Not Observable □Not Applicable	Requirement will be met.
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