Florida Building Code, Sixth Edition (2017) - Energy Conservation

EnergyGauge Summit® Fla/Com-2017, Effective Date: Dec 31, 2017 IECC 2015 - Total Building Performance Compliance Option

Check List

Applications for compliance with the Florida Building Code, Energy Conservation shall include:

This Checklist

The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports.

The compliance report must include the full input report generated by the software as contigous part of the compliance report.

Boxes appropriately checked in the Mandatory Section of the complaince report.

WARNING: INPUT REPORT NOT GENERATED.

To include input report in final submission, go to the Project Form, Settings Tab and check the box - "Append Input Report to Compliance Output Report"

Then rerun your calculation



PROJECT SUMMARY

Short Desc: Office

Description: I-75 Truck Stop Repair Cente

Owner: I-75 Truck Stop Repair Center

Address1: 14197 S US 441

City: Ellisville

Address2:

State: FL

Zip: 32024

Type: Office

Class: New Finished building

Jurisdiction: COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)

Conditioned & UnConditioned Area: 2373 SF

Conditioned Area: 2373 SF No of Stories: 1

Area entered from Plans 2373 SF

Permit No: 0

Max Tonnage 6

If different, write in:

Compliance Summary									
Component	Design	Criteria	Result						
Gross Energy Cost (in \$)	1,489.0	1,516.0	PASSED						
LIGHTING CONTROLS			PASSES						
EXTERNAL LIGHTING			No Entry						
HVAC SYSTEM			PASSES						
PLANT			No Entry						
WATER HEATING SYSTEMS			PASSES						
PIPING SYSTEMS			PASSES						
Met all required compliance from Check List?			Yes/No/NA						

IMPORTANT MESSAGE

Info 5009 -- -- An input report of this design building must be submitted along with this Compliance Report

	CERTIFICATIONS		
Prepared By: Ro Date: 12	O	uilding Official:	ompliance with the
Owner Agent:		Date:	
If Required by Florida law, I hereb Efficiency Code	by certify (*) that the system design	is in complianc	e with the Florida Energy
Architect: Nie	cholas Paul Geisler	Reg No:	AR0007005
Electrical Designer: Nic	cholas Paul Geisler	Reg No:	AR0007005
Lighting Designer: Nic	cholas Paul Geisler	Reg No:	AR0007005
Mechanical Designer: Nic	cholas Paul Geisler	Reg No:	AR0007005
Plumbing Designer: Nic	cholas Paul Geisler	Reg No:	AR0007005
	lorida Law requires design to be per registration numbers may be used v i.		

Certified Energy Rater #1494

Project: Office Title: I-75 Truck Stop Repair Center Type: Office (WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3) **Building End Uses** 1) Proposed 2) Baseline 92.20 111.50 **Total** \$1,489 \$1,784 ELECTRICITY(MBtu/kW 92.20 111.50 h/\$) 26983 32665 \$1,489 \$1,784 **AREA LIGHTS** 13.40 17.10 3920 5012 \$216 \$274 12.40 MISC EQUIPMT 12.40 3619 3619 \$200 \$198 **PUMPS & MISC** 0.20 0.10 48 38 \$3 \$2 SPACE COOL 36.80 36.50 10774 10680 \$595 \$583 **SPACE HEAT** 17.30 13.60 5075 3987 \$280 \$218 **VENT FANS** 12.10 31.80 3547 9329 \$196 \$509 Credits Applied: None **PASSES** Passing Criteria = 1516 Design (including any credits) = 1489Passing requires Proposed Building cost to be at most 85% of Baseline cost. This Proposed Building is at 83.5%

Description Category Tradable? Allowance Area or Length ELPA (W/Unit) or No. of Units (W) (Sqft or ft)

None

Project: Office

Title: I-75 Truck Stop Repair Center

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compliance
Handicap RR 1	6	Toilet and Washroom	42	1	1	PASSES
Handicap RR 2	6	Toilet and Washroom	42	1	1	PASSES
Handicap RR 3	6	Toilet and Washroom	42	1	1	PASSES
Parts Manager	17	Office - Enclosed	75	1	1	PASSES
Locker Room	23	Locker Room	82	1	1	PASSES
Parts Warehouse	3	Storage & Warehouse - Bulky Active Storage	1,331	1	1	PASSES
Reception/Bill pay	29,003	Terminal - Ticket Counter	42	1	1	PASSES
Service Manager		Office - Enclosed	104	1	1	PASSES
Customer Lounge	9	Food Service - Bar/Lounge	613	1	1	PASSES

PASSES

Project: Office Title: I-75 Truck Stop Repair Center Type: Office (WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3) **System Report Compliance** Pr0Sy2 System 2 **Constant Volume Packaged** No. of Units System Component Category Capacity Design Eff Design **IPLV** Comp-Eff Criteria **IPLV** Criteria liance Air Conditioners Air 71500 11.20 12.90 PASSES Cooling System 11.50 12.90 Cooled 65000 to 135000 Btu/h Cooling Capacity Heating System Electric Furnace 51195 1.00 1.00 PASSES Air Handling Air Handler (Supply) -2400 0.42 0.82 PASSES System -Supply Constant Volume Air Distribution Not in Check list -6.00 6.00 N/A System (Sup) Compliance Ignored

			Plan	t Com	pliance			
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
		N. Santara	21/2-2-70					

PASSES

Project: Office

Title: I-75 Truck Stop Repair Center

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Water Heater Compliance										
Description	Туре	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance			
Water Heater 1	Electric water heater	<= 12 [kW]	0.97	0.97			PASSES			

PASSES

Project: Office

Title: I-75 Truck Stop Repair Center

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	
Heating System (Steam, Steam Condensate, & Hot Water)	0.50	False	110.00	0.28	1.00	0.50	PASSES

PASSES

Mandatory R	equirements	as applic	Mandatory requirements compiled of Energy and Pacific Northwest I Adopted with permission			
Topic	Section	Componer		Yes	N/A	Exempt
	1. To b	e checked	by Designer or Engineer			
Insulation	C303.2	Envelope	Below-grade wall insulation installed per manufacturer's instructions.			
Insulation	C303.2	Envelope	Slab edge insulation installed per manufacturer's instructions.		\(\overline{\pi}\)	
Insulation	C303.2	Envelope	Above-grade wall insulation installed per manufacturer's instructions.	\Box		
Insulation	C402.3	Envelope	High-albedo roofs satisfy one of the following: 3-year-aged solar reflectance >= 0.55 and therma emittance >= 0.75 or 3-year-aged solar		\(\overline{\pi}\)	
Fenestration	C402.4.4	Envelope	reflectance index >= 64.0. U-factor of opaque doors associated with the building thermal envelope meets requirements.	Ø		
SYSTEM_SPECIFIC	C403.2.12.1	Mechanical	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp	Ø		
SYSTEM_SPECIFIC	C403.2.12.2	Mechanical	or fan system bhp. HVAC fan motors not oversized beyond allowable limits.	凶		
SYSTEM_SPECIFIC	C403.2.3(8) Table	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement meet those listed in Table	凶		
HVAC	C403.2.7	Mechanical	C403.2.3(8) Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).			
SYSTEM_SPECIFIC	C403.3	Mechanical	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during		Ø	
SYSTEM_SPECIFIC	C403.3.2	Mechanical	operation. Economizer operation will not increase heating energy use during normal operation.		\square	
SYSTEM_SPECIFIC	C403.3.4, C403.3.4.1, C403.3.4.2,	Mechanical	Water economizers provided where required, meet the requirements for design capacity, maximum pressure drop and integrated		Ø	
SYSTEM_SPECIFIC	C403.3.1 C403.4.2.1	Mechanical	economizer control. Three-pipe hydronic systems using a common return for hot and chilled water are not used.		abla	
SYSTEM_SPECIFIC	C403.4.2.3.1	Mechanical	Hydronic heat pump systems connected to a common water loop meet heat rejection and heat		Ø	
SYSTEM_SPECIFIC	C403.4.3.4	Mechanical	addition requirements. Open-circuit cooling towers having water cooled chiller systems and multiple or vairable speed condenser pumps, are designed so that tower		☑ ′	
SYSTEM_SPECIFIC	C404.2	Mechanical	cells can run in parallel with larger of flow crtieria. Service water heating equipment meets efficiency requirements.	凶		
Wattage	C405.3	Interior Lighting	Exit signs do not exceed 5 watts per face.	凶		
	2. T	o be check	ed by Plan Reviewer			
Plan Review	C103.2	Envelope	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.			

C103.2	Mechanical	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			
C103.2	Mechanical	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system			
C103.2	Interior Lighting	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.			
C103.2	Exterior Lighting	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.			
C402.2.5	Envelope	Slab edge insulation depth/length. Slab insulation extending away from building is covered by			
C402.2.6	Project	Radiant heating systems panels insulated to >=R-3.5 on face opposite space being heated.			
C402.2.6	Mechanical	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.			
C402.2.6	Envelope	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 2.5.			
C402.5.7	Envelope	Vestibules are installed on all building entrances. Doors have self-closing devices.			
C403.2.12.3	Mechanical	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.			
C403.2.13	Mechanical	Unenclosed spaces that are heated use only radiant heat.			
C403.2.4.2	Mechanical	Each zone equipped with setback controls using automatic time clock or programmable control system.			
C403.2.4.4	Mechanical	Zone isolation devices and controls installed where applicable.			
C403.2.4.7	Mechanical	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.			
C403.2.5	Mechanical	Hot water boilers supplying heat via one- or two-pipe systems include outdoor setback control.			
C403.2.6.1	Mechanical	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			
C403.4.1.1	Mechanical	Hydronic and multizone HVAC system controls areVAV fans driven by mechanical or electrical			
C403.4.1.3	Mechanical	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on			
C403.4.2	Mechanical	the zones requiring the most pressure. Temperature reset by representative building loads in pumping systems for chiller and boiler systems >500,000 Btu/h.			
	C103.2 C103.2 C103.2 C402.2.5 C402.2.6 C402.2.6 C402.2.6 C402.2.6 C403.2.12.3 C403.2.12.3 C403.2.12.3 C403.2.4.2 C403.2.4.4 C403.2.4.7 C403.2.5 C403.2.6.1 C403.4.1.1 C403.4.1.3	C103.2 Mechanical C103.2 Interior Lighting C402.2.5 Envelope C402.2.6 Project C402.2.6 Mechanical C402.2.6 Envelope C402.2.6 Envelope C402.3.1 Mechanical C403.2.12.3 Mechanical C403.2.14 Mechanical C403.2.4.1 Mechanical C403.2.4.1 Mechanical C403.2.5 Mechanical C403.2.5 Mechanical C403.2.6.1 Mechanical C403.2.6.1 Mechanical C403.4.1.1 Mechanical	C103.2 Mechanical Mechanical 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 st	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 st and equipment and document where exceptions to the standard are claimed. However, and information with which compliance can be determined for the service water healting systems and equipment and document where exceptions to the standard are claimed. Hot water system so the standard are claimed. Hot water system so the standard are claimed. Hot water system so the determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. 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 shoul and 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 shoul Information provided should Information In	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 st Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water healing systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufact claimed. Hot water system sized per manufact 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 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 shoul claim to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard and claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided shoul should be suffered to the standard are claimed. Information provided should should be suffered to the standard are claimed. Information should be suffered to the standard are claimed. Information should be suffered to the standard should should be suffered to the su

Cosed-circult coloning tower within heat pump loop	SYSTEM SPECIFIC	C403 4 2 2 2 4	Machanian	Closed circuit cooling tower within heat august Israel			
SYSTEM_SPECIFIC C403.4.2.5 Mechanical System turndown requirement met through multiple single-input believes on a combination of single-input and modulating bollers, one or more modulating bollers, and of the more boller plant or more bollers plant or more bollers plant or more bollers plant or more bollers plant or or more modulating bollers and of the plant of the pl	SYSTEM_SPECIFIC	C403.4.2.3.2.1	Mechanical	leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the	_	Ц	П
multiple single-input boilers, one or more modulating boilers, one a combination of single-input and modulating boilers, or a combination of single-input and modulating boilers. SYSTEM_SPECIFIC C403.4.2.6 Mechanical Child water plants with multiple boilers have the capability to reduce flow automatically through the children plant when a children with multiple boilers have the capability to reduce flow automatically through the children with multiple boilers have the capability to reduce flow automatically through the capability to operate at 23 of full-speed and auto speed controls to control the leaving fluid temperature or condensing temporessure of heat rejection of device. SYSTEM_SPECIFIC C403.4.4.5 Mechanical Multiple zone HVAC systems have supply air temperature reset controls. SYSTEM_SPECIFIC C404.4.1 Mechanical Automatical flow automatically and a condensity of the controls. SYSTEM_SPECIFIC C404.2.1 Mechanical Automatical flow automatically and a condense of the static pressure seleption reset controls. SYSTEM_SPECIFIC C404.4 Mechanical Automatical flow automatically and a condense with section defails and Table C403.2.10. SYSTEM_SPECIFIC C404.5.1 Mechanical Automatical flow automatically and a condense with section defails and Table C403.2.10. SYSTEM_SPECIFIC C404.6.3 Mechanical Automatical flow automatically proposed water supply pipe lead to the heated-water supply pipe back to the heated-water supply p	SYSTEM_SPECIFIC	C403.4.2.4	Mechanical	Hydronic systems greater than 500,000 Btu/h			
capability to reduce flow automatically through the chiller plant when a chiller is shut down. Bolier plants with multiple boliers have the capability to reduce flow automatically through the bolier plant when a chiller is shut down. Bolier plants with multiple boliers have the capability to reduce flow automatically through the bolier plant the coller plant and so pred controls to control the leaving fluid temperature or condensing tempirerssure or heart rejection equipment to have capability to operate at 23 of full-speed and auto speed controls to control the leaving fluid temperature or condensing tempirerssure or heart rejection device. SYSTEM_SPECIFIC C403.4.4.6 Mechanical Mechanical Temperature reset controls. SYSTEM_SPECIFIC C404.4.1 Mechanical Gas-fired water-heating equipment installed in memberature reset controls. SYSTEM_SPECIFIC C404.2.1 Mechanical Gas-fired water-heating equipment installed in memberature reset building with serves the entire building, thermal efficiency >= 90 Et. SYSTEM_SPECIFIC C404.4 Mechanical Mechanical Gas-fired water-heating equipment installed in memberature reset building with serves the retire building with serves the uniting with section details. SYSTEM_SPECIFIC C404.5. C404.5.1, Mechanical Gas-fired water-heating equipment serve the building with a detail of the control of the server of the	SYSTEM_SPECIFIC	C403.4.2.5	Mechanical	multiple single-input boilers, one or more modulating boilers, or a combination of single-input and modulating boilers. Boiler input between 1.0 MBtu/h and 5 MBtu/h			
C403.4.3.2 with heat rejection equipment to have capability to operate at 2/3 of full-speed and auto speed controls to control the leaving fluid temperature or condensing temp/pressure of heat rejection device. SYSTEM_SPECIFIC C403.4.4.5 Mechanical Multiple zone HVAC systems have supply air temperature reset controls. Multiple zone VAV systems with DDC of individual cone boxes have static pressure setpoint reset controls. Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBlur/h serves the entire building; thermal efficiency >= 90 Et. Where multiple pieces of water-heating equipment >= 1,000 kBlur/h serves the entire building; thermal efficiency >= 90 Et. Where multiple pieces of water-heating equipment serve the building will piece of water-heating equipment piece of water-heating piece of heating piece of water-heating piece of water-heating piece of heating piece of heating piece of water-heating piece of heating piece of heating	SYSTEM_SPECIFIC	C403.4.2.6	Mechanical	capability to reduce flow automatically through the chiller plant when a chiller is shut down. Boiler plants with multiple boilers have the capability to reduce flow automatically through the			
SYSTEM_SPECIFIC SYSTEM_SPECIFI	SYSTEM_SPECIFIC		Mechanical	with heat rejection equipment to have capability to operate at 2/3 of full-speed and auto speed controls to control the leaving fluid temperature or condensing temp/pressure of heat rejection			
SYSTEM_SPECIFIC C404.2.1 Mechanical Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment = 1,000 kBtu/h serves the entire building; where a singular piece of water-heating equipment = 2,000 kBtu/h serves the entire building; where a singular piece of water-heating equipment = 3,000 kBtu/h serves the entire building will provide equipment = 3,000 kBtu/h serves the entire building will provide equipment = 3,000 kBtu/h serves the entire building will provide equipment serve the building will provide equipment equipment to exist and table c403.2.10. SYSTEM_SPECIFIC C404.5.1 Mechanical Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to exist of strategies and the pump bust of the heated-water supply pipe back to the h	SYSTEM_SPECIFIC	C403.4.4.5	Mechanical	Multiple zone HVAC systems have supply air			
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SYSTEM_SPECIFIC C404.4. Mechanical All piping insulated in accordance with section details and Table C403.2.10. SYSTEM_SPECIFIC C404.5, C404.5.1, Mechanical C404.5.2 Heated water supply piping conforms to pipe length and volume requirements. Refer to section details. SYSTEM_SPECIFIC C404.6.3 Mechanical 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. SYSTEM_SPECIFIC C404.7 Mechanical Water distribution system that pumps water from a heated-water supply pipe back to the heated-water supply pipe back to the heated-water source through a cold-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving 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. Plan Review C405.6 Project Group R-2 dwelling units have separate electrical meters. Plan Review C406 Project Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options. SYSTEM_SPECIFIC C408.2.2.2 Mechanical HVAC hydronic heating and cooling coils have means to balance and have pressure test connections. SYSTEM_SPECIFIC C408.2.2.2 Mechanical HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	SYSTEM_SPECIFIC	C404.2.1	Mechanical	Gas-fired water-heating equipment 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			
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SYSTEM_SPECIFIC C404.7 Mechanical Water distribution system that pumps water from a heated-water supply pipe back to the heated-water supply pipe back to the heated-water supply pipe is a demand recirculation water system. Pumps within this system have controls that start the pump upon receiving 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. Plan Review C405.6 Project Group R-2 dwelling units have separate electrical meters. Plan Review C406 Project Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options. SYSTEM_SPECIFIC C408.2.2.2 Mechanical HVAC hydronic heating and cooling coils have means to balance and have pressure test connections. SYSTEM_SPECIFIC C408.2.2.2 Mechanical HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	SYSTEM_SPECIFIC	C404.6.3	Mechanical	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating			
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SYSTEM_SPECIFIC C408.2.2.2 Mechanical HVAC hydronic heating and cooling coils have means to balance and have pressure test	SYSTEM_SPECIFIC	C408.2.2.2	Mechanical	HVAC hydronic heating and cooling coils have means to balance and have pressure test			
·	SYSTEM_SPECIFIC	C408.2.2.2	Mechanical	HVAC hydronic heating and cooling coils have means to balance and have pressure test			

	3	. To be cl	necked by Inspector		
Insulation	C303.1	Envelope	Roof insulation installed per manufacturer候s instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.		
Insulation	C303.1	Envelope	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.		
Fenestration	C303.1.3	Envelope	Fenestration products rated in accordance with NFRC.		
Fenestration	C303.1.3	Envelope	Fenestration products are certified as to performance labels or certificates provided.		
Insulation	C303.2, C402.2.4	Envelope	Floor insulation installed per manufacturer's instructions. Cavity or structural slab insulation installed in permanent contact with underside of decking or structural slabs.		
Insulation	C303.2.1	Envelope	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and		
Insulation	C303.2.1	Envelope	equipment maintenance activities. Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.		
Insulation	C402.1.3	Envelope	Non-swinging opaque doors have R-4.75 insulation.		
Insulation	C402.2.2	Envelope	Skylight curbs are insulated to the level of roofs with insulation above deck or R-5.		
Insulation	C402.2.2	Envelope	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.		
Air Leakage	C402.5	Envelope	Building envelope contains a continuous air barrier that has been tested and deemed to limit air leakage <= 0.40 cfm/ft2.		
Air Leakage	C402.5.1	Envelope	The building envelope contains a continuous air barrier that is sealed in an approved manner and either constructed or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.		
Air Leakage	C402.5.1.1	Envelope	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.		
Air Leakage	C402.5.1.2.1	Envelope	The building envelope contains a continuous air barrier that is sealed in an approved manner and material permeability <= 0.004 cfm/ft2. Air barrier		
Air Leakage	C402.5.1.2.2	Envelope	penetrations are sealed in an approved manner. The building envelope contains a continuous air barrier that is sealed in an approved manner and average assembly air leakage <= 0.04 cfm/ft2. Air barrier penetrations are sealed in an approved manner.		
Air Leakage	C402.5.2, C402.5.4	Envelope	Factory-built fenestration and doors are labeled as meeting air leakage requirements.		
Air Leakage	C402.5.3	Envelope	Where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening are located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope		
Air Leakage	C402.5.5, C403.2.4.3	Envelope	Stair and elevator shaft vents have motorized dampers that automatically close.		
Air Leakage	C402.5.5, C403.2.4.3	Envelope	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.		
Air Leakage	C402.5.6	Envelope	Weatherseals installed on all loading dock cargo doors.		

EnergyGauge Summit® Fla/Com-2017. TAM 2017-1.0 Compliant Software. Effective Date: Dec 31, 2017 1 Building Code, Sixth Edition (2017) - Energy Conservation IECC 2015 - Total Building Performance Compliance 12/9/2019 Page 12 of 15

Air Leakage						
HVAC	Air Leakage	C402.5.8	Envelope	infiltration and be IC rated and labeled. Seal		
SYSTEM_SPECIFIC C403.2.10 Mechanical Hechanical Horizontal in thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation inspection.	HVAC	C403.2.1	Mechanical	HVAC systems and equipment design loads calculated in accordance with		
HVAC C403.2.3 Mechanical HVAC equipment efficiency verified.	SYSTEM_SPECIFIC	C403.2.10	Mechanical	approved equivalent computational procedure HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may		
labeled for replacement only as per Footnote b to Table C403.2.3(3) Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification devimental electric control device per installed humidification system. Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	HVAC	C403.2.3	Mechanical			
Heating and cooling to each zone is controlled by a termostat control. Minimum one humidity control device per installed humidification when not needed.	SYSTEM_SPECIFIC	C403.2.3	Mechanical	labeled for replacement only as per Footnote b to		
SYSTEM_SPECIFIC C403.2.4.1.1 Mechanical Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	SYSTEM_SPECIFIC	C403.2.4.1	Mechanical	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed		
HVAC	SYSTEM_SPECIFIC	C403.2.4.1.1	Mechanical	Heat pump controls prevent supplemental electric		
HVAC C403.2.4.1.3 Mechanical Temperature controls have setpoint overlap restrictions. HVAC C403.2.4.2.1 C403.2.4.2.2 Mechanical S5F (cool): 7-day clock, 2-hour occupant override, 10-hour backup Systems include optimum start controls. HVAC C403.2.4.5, C403.2.4.6 Mechanical Somewise sensors for future connection to controls. Freeze protection systems have automatic controls installed. HVAC C403.2.6.2 Mechanical Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. HVAC C403.2.9 Mechanical HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation inspection. SYSTEM_SPECIFIC C403.4.1.2 Mechanical Ductwork operating >3 in. water column requires air leakage testing. SYSTEM_SPECIFIC C403.4.2.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadboad >15% allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <30 %. Two-pipe hydronic systems using a common distribution system have controls to shut off water flow when hydronic heat pump with pumping system >10 high is off. SYSTEM_SPECIFIC C403.4.4.5, C403.4.4.5, C403.4.4.5.1-4 SYSTEM_SPECIFIC C403.4.5 Mechanical Condins and sequence heating and cooling to each cooling is installed to: <240 kBturn - 50% capacity, <240 kBturn - 50% c	HVAC	C403.2.4.1.2	Mechanical	Thermostatic controls have a 5 Â °F deadband.		
HVAC C403.2.4.2.1, C403.2.4.2.3 Mechanical Styficool); 7-day clock, 2-hour occupant override, 10-hour backup SYSTEM_SPECIFIC C403.2.4.2.3 Mechanical Systems include optimum start controls.	HVAC	C403.2.4.1.2	Mechanical	Thermostatic controls have a 5 Â °F deadband.		
SYSTEM_SPECIFIC C403.4.2.3 Mechanical Snow/ice melting system sensors for future connection to controls. Freeze protection systems have automatic controls installed. HVAC C403.2.4.6 Mechanical Snow/ice melting system sensors for future connection to controls. Freeze protection systems have automatic controls installed. HVAC C403.2.6.2 Mechanical Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate lans to 50% or less of design capacity. HVAC C403.2.9 Mechanical HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection. SYSTEM_SPECIFIC C403.2.9.1.3 Mechanical UAV fans have static pressure sensors located so controller setpoint <=1.2 w.c. SYSTEM_SPECIFIC C403.4.1.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >= 1.5 Fr., allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=3.0 Fr. SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. SYSTEM_SPECIFIC C403.4.5.1-4 SYSTEM_SPECIFIC C403.4.5. Mechanical Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Hochanical Hochanical Systems limited to: <=240 kBtu/h - 25% capacity, >240 kBtu/h - 25% capacity, >240 kBtu/h - 25% capacity on the provide and portion of the provided on non-circulating storage	HVAC	C403.2.4.1.3	Mechanical			
SYSTEM_SPECIFIC C403.2.3.3 Mechanical Systems include optimum start controls.	HVAC		Mechanical	85°F (cool); 7-day clock, 2-hour occupant		
C403.2.4.6 HVAC C403.2.6.2 Mechanical Enclosed parking garage ventilation has automatic control's installed. HVAC C403.2.9 Mechanical HVAC C403.2.9 Mechanical Mechanical HVAC C403.2.9 Mechanical Mechanical HVAC C403.2.9 Mechanical Mechanical Mechanical Ductwork operating >3 in. water column requires air leakage testing. SYSTEM_SPECIFIC C403.4.1.2 Mechanical Mechanical Ductwork operating >3 in. water column requires air leakage testing. SYSTEM_SPECIFIC C403.4.2.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=15°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=30°F. SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical SYSTEM_SPECIFIC C403.4.4.5, C403.4.5.1-4 SYSTEM_SPECIFIC C403.4.5. C403.4.5.1-4 SYSTEM_SPECIFIC C403.4.5. Mechanical Mechanical Mechanical Mechanical SYSTEM_SPECIFIC C403.4.5. C403.4.5. C403.4.5. C403.4.5. C403.4.5. Mechanical Mechanical Mechanical Mechanical Mechanical SYSTEM_SPECIFIC C403.4.6 Mechanical Mechanical Mechanical Mechanical Mechanical SYSTEM_SPECIFIC C403.4.6 Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Mechanical Too-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. C403.4.5. C403.4.5. C403.4.5. C403.4.5. C403.4.6 Mechanical Too-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. C403.4.5. C403.4.5. C403.4.5. C403.4.5. C403.4.5. C403.4.5. C403.4.6 Mechanical Me	SYSTEM_SPECIFIC	C403.2.4.2.3	Mechanical			
HVAC C403.2.6.2 Mechanical Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity. HVAC C403.2.9 Mechanical HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection. SYSTEM_SPECIFIC C403.2.9.1.3 Mechanical Ductwork operating >3 in. water column requires air leakage testing. SYSTEM_SPECIFIC C403.4.1.2 Mechanical VAV fans have static pressure sensors located so controller setpoint <=1.2 w.c SYSTEM_SPECIFIC C403.4.2.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=159°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=30 °F. SYSTEM_SPECIFIC C403.4.2.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. SYSTEM_SPECIFIC C403.4.5, C403.4.5. Mechanical Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Hot gas bypass limited to: <=240 kBtu/h - 50% capacity, >240 kBtu/h - 25% capacity Heat traps installed on non-circulating storage	HVAC		Mechanical	connection to controls. Freeze protection systems		
HVAC C403.2.9 Mechanical HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection. Ductwork operating >3 in. water column requires air leakage testing. SYSTEM_SPECIFIC C403.4.1.2 Mechanical VAV fans have static pressure sensors located so controller setpoint <=1.2 w.c SYSTEM_SPECIFIC C403.4.2.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=15°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=30 °F. SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. Zone controls can limit simultaneous heating and cooling and sequence heating and cooling and sequence heating and cooling and sequence heating and cooling to each zone. SYSTEM_SPECIFIC C403.4.5.1 Mechanical Mechanical Mechanical HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation in prediction. Installed in or under a slab, verification may need to occur during Foundation in prediction. Two-position average have a verification may need to occur during Foundation in prediction. Mechanical HVAC ducts and plenums installed in or under a lab, verification may need to occur during Foundation. Installed in or under alab. HVAC ducts and plenums installed. Where column requires air leaket in water column requires air leaket graph and controller setting. In water column requires air leaket pressure sensors located so controls to allow a deadband =1.2 w.c C403.4.1.2 Mechanical HVAC ducts and plenums installed in or under alab, water column requires air leaket pressure sensors located so controls to allow a deadband =1.2 w.c C403.4.1.2 Mechanical HVAC ducts and plenums installed in or under c	HVAC	C403.2.6.2	Mechanical	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design		
SYSTEM_SPECIFIC C403.4.1.2 Mechanical Ductwork operating >3 in. water column requires air leakage testing. VAV fans have static pressure sensors located so controller setpoint <=1.2 w.c SYSTEM_SPECIFIC C403.4.2.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=15°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=30 °F. SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. SYSTEM_SPECIFIC C403.4.4.5, C403.4.4.5.1-4 Mechanical Cooling and sequence heating and cooling to each zone. SYSTEM_SPECIFIC C403.4.5 Mechanical Cooling system have reoverly system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Hot gas bypass limited to: <=240 kBtu/h - 25% capacity, >240 kBtu/h - 25% capacity Heat traps installed on non-circulating storage	HVAC	C403.2.9	Mechanical	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation		
Controller setpoint <=1.2 w.c SYSTEM_SPECIFIC C403.4.2.2 Mechanical Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=15°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=30 °F. SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. SYSTEM_SPECIFIC C403.4.4.5, C403.4.4.5.1-4 Zone controls can limit simultaneous heating and cooling and sequence heating and cooling to each zone. SYSTEM_SPECIFIC C403.4.5 Mechanical Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Hot gas bypass limited to: <=240 kBtu/h - 50% capacity, >240 kBtu/h - 25% capacity Heat traps installed on non-circulating storage	SYSTEM_SPECIFIC	C403.2.9.1.3	Mechanical	Ductwork operating >3 in. water column requires		
distribution system have controls to allow a deadband >=15°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply temperature to <=30°F. SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. SYSTEM_SPECIFIC C403.4.4.5, C403.4.4.5.1-4 Zone controls can limit simultaneous heating and cooling and sequence heating and cooling to each zone. SYSTEM_SPECIFIC C403.4.5 Mechanical Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Hot gas bypass limited to: <=240 kBtu/h - 50% capacity, >240 kBtu/h - 25% capacity Heat traps installed on non-circulating storage	SYSTEM_SPECIFIC	C403.4.1.2	Mechanical			
SYSTEM_SPECIFIC C403.4.2.3.3 Mechanical Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off. Zone controls can limit simultaneous heating and cooling and sequence heating and cooling to each zone. SYSTEM_SPECIFIC C403.4.5 Mechanical C403.4.5 Mechanical C403.4.5 Mechanical SYSTEM_SPECIFIC C403.4.6 Mechanical Mechanical Mechanical SYSTEM_SPECIFIC C403.4.6 Mechanical Heat traps installed on non-circulating storage	SYSTEM_SPECIFIC	C403.4.2.2	Mechanical	distribution system have controls to allow a deadband >=15°F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply		
SYSTEM_SPECIFIC C403.4.4.5, C403.4.4.5 Mechanical Cooling and sequence heating and cooling to each zone. SYSTEM_SPECIFIC C403.4.5 Mechanical Mechanical Cooling and sequence heating and cooling to each zone. Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Mechanical Heat traps installed on non-circulating storage Mechanical	SYSTEM_SPECIFIC	C403.4.2.3.3	Mechanical	Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with		
SYSTEM_SPECIFIC C403.4.5 Mechanical Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot water. SYSTEM_SPECIFIC C403.4.6 Mechanical Hot gas bypass limited to: <=240 kBtu/h - 50% capacity, >240 kBtu/h - 25% capacity SYSTEM_SPECIFIC C404.3 Mechanical Heat traps installed on non-circulating storage	SYSTEM_SPECIFIC		Mechanical	Zone controls can limit simultaneous heating and cooling and sequence heating and cooling to each		
SYSTEM_SPECIFIC C403.4.6 Mechanical Hot gas bypass limited to: <=240 kBtu/h - 50% capacity, >240 kBtu/h - 25% capacity SYSTEM_SPECIFIC C404.3 Mechanical Heat traps installed on non-circulating storage	SYSTEM_SPECIFIC	C403.4.5	Mechanical	Condenser heat recovery system that can heat water to 85°F or provide 60% of peak heat rejection is installed for preheating of service hot		
SYSTEM_SPECIFIC C404.3 Mechanical Heat traps installed on non-circulating storage	SYSTEM_SPECIFIC	C403.4.6	Mechanical	Hot gas bypass limited to: <=240 kBtu/h - 50% capacity,		
77 STATE OF THE PARTY OF THE PA	SYSTEM_SPECIFIC	C404.3	Mechanical			

SYSTEM_SPECIFIC	C404.3	Mechanical	Heat traps installed on supply and discharge piping of non-circulating systems.		
SYSTEM_SPECIFIC	C404.3	Mechanical	Heat traps installed on supply and discharge piping of non-circulating systems.		
SYSTEM_SPECIFIC	C404.6.1	Mechanical	Controls 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		
SYSTEM_SPECIFIC	C404.6.1, C404.6.2	Mechanical	pipe. Automatic time switches installed to automatically switch off the recirculating hot-water system or		
SYSTEM_SPECIFIC	C404.9.1	Mechanical	heat trace. Pool heaters are equipped with on/off switch and no continuously burning pilot light.		
SYSTEM_SPECIFIC	C404.9.2	Mechanical	Time switches are installed on all pool heaters and pumps.		
SYSTEM_SPECIFIC	C404.9.2	Mechanical	Time switches are installed on all pool heaters and pumps.		
SYSTEM_SPECIFIC	C404.9.3	Mechanical	Vapor retardant pool covers are provided for heated pools and permanently installed spas.		
Controls	C405.2.1	Interior Lighting	Lighting controls installed to uniformly reduce the lighting load by at least 50%.		
Controls	C405.2.1	Interior Lighting	Occupancy sensors installed in required spaces.		
Controls	C405.2.1, C405.2.2.3	Interior Lighting	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.		
Controls	C405.2.2.1	Interior Lighting	Automatic controls to shut off all building lighting installed in all buildings.		
Controls	C405.2.3	Interior Lighting	Daylight zones provided with individual controls that control the lights independent of general area lighting.		
Controls	C405.2.3, C405.2.3.1,	Interior Lighting	Primary sidelighted areas are equipped with required lighting controls.		
Controls	C405.2.3.2 C405.2.3, C405.2.3.1,	Interior Lighting	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with		
Controls	C405.2.3.3 C405.2.4	Interior Lighting	required lighting controls. Separate lighting control devices for specific uses installed per approved lighting plans.		
Wattage	C405.2.4	Interior Lighting	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated		
Controls	C405.2.5	Exterior Lighting	from general lighting. Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or		
Wattage	C405.4.1	Interior Lighting	reduce connected lighting > 30%. Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are		
Mandatory Additional	C406.4	Project	less than or equal to allowed watts. Enhanced digital lighting controls efficiency package: Interior lighting has following enhanced lighting controls in accordance with Section C405.2.2:		
Mandatory Additional	C406.6	Project	Luminaires capable of continuous dimming and being addressed individually, <= 8 luminaires controlled in Dedicate outdoor air system efficiency package: Buildings with hydronic and/or multiple-zone HVAC systems are equipped with an independent ventilation system designed to provide >= 100-percent outdoor air to each individual occupied space, as specified by		

Mandatory Additional	C406.7, C406.7.1	Project	Enhanced Service Water Heat System efficiency package. One of the following SWH system enhancements must satisfy 60 percent of hot water requirements, or 100 percent if the building otherwise complies with heat recovery per Section C403.4.5: Waste heat re			
HVAC	C408.2.2.1	Mechanical	Air outlets and zone terminal devices have means for air balancing.			
HVAC	C408.2.2.1	Mechanical	Air outlets and zone terminal devices have means for air balancing.			
Testing	C408.2.3.2	Mechanical	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.			
4. To be ch	ecked by Insp		oject Completion and Prior to Iss e of Occupancy	uar	ice c	of
Post Construction	C303.3, C408.2.5.2					
Post Construction	C303.3, C408.2.5.3	Mechanical	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.			
Fenestration	C402.4.2.2	Envelope	Skylights in office, storage, automotive service, manufacturing, non-refrigerated warehouse, retail store, and distribution/sorting area have a measured haze value > 90 percent unless designed to exclude direct sunlight.			
Post Construction	C408.2.1	Mechanical	Commissioning plan developed by registered design professional or approved agency.			
Post Construction	C408.2.3.1	Mechanical	HVAC equipment has been tested to ensure proper operation.			
Post Construction	C408.2.3.3	Mechanical	Economizers have been tested to ensure proper operation.			
Post Construction	C408.2.4	Mechanical	Preliminary commissioning report completed and certified by registered design professional or			
Post Construction	C408.2.5.1	Mechanical	approved agency. Furnished HVAC as-built drawings submitted within 90 days of system acceptance.			
Post Construction	C408.2.5.1	Interior Lighting	Furnished as-built drawings for electric power systems within 90 days of system acceptance.			
Post Construction	C408.2.5.3	Mechanical	An air and/or hydronic system balancing report is provided for HVAC systems.			
Post Construction	C408.2.5.4	Mechanical	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.			
			Lighting systems have been tested to ensure	_		

EnergyGauge Summit® v6.10 INPUT DATA REPORT

Project Information

Project Name: Office

State: FL Zip: 32024

Address: 14197 S US 441

Project Title: I-75 Truck Stop Repair Center

Building Classification: New Finished building

Building Type: be rotated accordingly Office

No.of Stories: 1

GrossArea: 2373

SF

Orientation: 0 Deg Clockwise. Walls & Windows will

Owner: I-75 Truck Stop Repair Center

				Zones						
No	Acronym	Description	Туре			Area [sf]		Multiplier	Total Area [sf]	
1	Office	Office	CONDITIONED			2373.	.0	1	2373.0	
				Spaces						
N	o Acronym	Description	Туре	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	

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In Zon	e: Office	1000000 WHEN IT	9270325	05-30000	0.000100000	7	2-20	000 000 000 000 000 000 000 000 000 00	4-4-
1	Handicap RR 1Handicap RR 1	Toilet and Washroom	1.00	42.00	10.00	1	42.0	420.0	
2	Handicap RR 2Handicap RR 2	Toilet and Washroom	1.00	42.00	10.00	1	42.0	420.0	
3	Handicap RR 3 Handicap RR 3	Toilet and Washroom	1.00	42.00	10.00	1	42.0	420.0	
4	Parts Manager Parts Manager	Office - Enclosed	1.00	75.00	10.00	1	75.0	750.0	
5	Locker Room Locker Room	Locker Room	1.00	82.00	10.00	1	82.0	820.0	
6	Parts WarehousParts Warehouse	Storage & Warehouse - Bulky Active Storage	1.00	1331.00	20.00	1	1331.0	26620.0	
7	Reception/Bill Reception/Bill Pay	Terminal - Ticket Counter	1.00	42.00	10.00	1	42.0	420.0	
8	Service Managervice Manager	Office - Enclosed	1.00	104.00	10.00	1	104.0	1040.0	
9	Customer LourCustomer Lounge	Food Service - Bar/Lounge	1.00	613.00	10.00	1	613.0	6130.0	

Lighting No Type Watts per Power **Control Type** Category No. of No.of Luminaires Luminaire [W] Ctrl pts In Zone: Office In Space: Handicap RR 1 1 General Lighting 40 40 Occupancy sensor without Daylighting In Space: Handicap RR 2 Occupancy sensor without Daylighting General Lighting 40 40 In Space: Handicap RR 3 General Lighting 40 40 Occupancy sensor without Daylighting In Space: Parts Manager General Lighting LED 1 40 40 Occupancy sensor without 1 Daylighting In Space: Locker Room General Lighting 40 LED 1 40 Occupancy sensor without Daylighting In Space: Parts Warehouse General Lighting 12 40 480 Occupancy sensor without Daylighting

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	In Space:	Rece	eption/Bill pay LED	Genera	l Lightir	ıg	1		40	40	Occupan Daylight	cy sensor wi	thout	1 [
	In Space:	Serv	rice Manager LED	Genera	l Lightir	ng	2		40	80	Occupan Daylight	cy sensor wi	thout	1 [
	In Space:	Cust 1	tomer Lounge LED	Genera	l Lightir	ıg	12		40	480		cy sensor wi	thout	1 [
			Walls	(Walls will	be ro	tated o	clock	wise b	y building	rota	ation val	ue)			
No	Descrip	tion	Туре		Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Orientatio	1000	nductance u/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Bt	
In 2	Zone:	Of	fice												
1	Pr0Zo1W	Va1		2x4@24"+R1 5/8"Gyp	25.33	10.00	1	253.3	North		0.0920	1.072	19.38	10.9	
2	Pr0Zo1W	Va I	Metal siding/	2x4@24"+R1 5/8"Gyp	93.67	10.00	1	936.7	North		0.0920	1.072	19.38	10.9	
3	Pr0Zo1W	Va1	Metal siding/	2x4@24"+R1	93.67	10.00	1	936.7	East		0.0920	1.072	19.38	10.9	
4	South		Metal siding/	5/8"Gyp 2x4@24"+R1 5/8"Gyp	25.33	20.00	1	506.6	South		0.0920	1.072	19.38	10.9	
			Windows	(Windows	will	be rota	ited o	clockw	ise by bu	ilding	rotatio	n value)			
		No	Description	Orientation	Shac	100000000000000000000000000000000000000	U nr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Ar	ea	_
	one: Off In Wall: 1			North	1	No 0.6	000	0.59	0.64	20.00	9.00	i	180.	0	_

No Description Type Shaded? Width H (Effec) Multi Area Cond. Dens. Heat Cap. R-Value														
	No	Description	Туре	Shaded?	Width [ft]	H (Effec	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F					
	: Office													
	In Wall:	West Pr0Zo1Wa2Dr1	Solid core flush (2.25)	No	3.00	6.67	2	20.0	0.3504	0.00	0.00	2.85		
	In Wall: East													
	1	Pr0Zo1Wa2Dr1	Solid core flush (2.25)	No	3.00	6.67	2	20.0	0.3504	0.00	0.00	2.85		
	In Wall:	South Pr0Zo1Wa4Dr1	Solid core flush	No	12.00	16.00	1	192.0	0.3504	0.00	0.00	2.85		
	2	Pr0Zo1Wa4Dr2	Solid core flush (2.25)	No	3.00	6.67	1	20.0	0.3504	0.00	0.00	2.85		
	Roofs													
	No De	scription	Туре	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg] [l	Cond. Btu/hr. Sf. F]		p Dens. F] [lb/cf]	R-Value [h.sf.F/Btu]		
In Zone		Zo1Rf1 M	Itl Bldg Roof/R-19 att	25.33	93.67	1	2372.7	0.00	0.0492	1.34	9.49	20.3		
					Skylig	hts								
		No Description	1 Туре	([Btu/h	The second second second	HGC Vis	.Trans	W [ft]	H (Effec) ! [ft]	Multiplier	Area [Sf]	Total Area [Sf]		
In Zon	ne:									-			_	
Protection of	Roof:													

				Floors							
No	Description	Туре	Width [ft]	H (Effec) [ft]	Multi plier		Cond. [Btu/hr. sf.	Heat Cap. F] [Btu/sf. F]		R-Value [h.sf.F/Btu]	
In Zone: Off	ice Pr0Zo1FII	1 ft. soil, concrete floor, carpet and rubber pad	25.33	93.67	1	237	2.7 0.2681	34.00	113.33	3.73	
				System	ms						
Pr0Sy2	Sys	tem 2		Cons	tant V	olume	Packaged :	System	No.	Of Units 1	
Component	Category			Capaci	ty	Eff	iciency	IPLV			
1	Cooling Syster	n		71500.0	00		11.50	12.90			
2	Heating System			51195.0	00		1.00				
3	Air Handling S	System -Supply		2400.0	0		0.42				
4	Air Distributio	n System (Sup)					6.00				
				Plant							
Equip	ment	Categ	ory	Size			Inst,No	Eff.		IPLV	
			Wat	ter Heat	ers						
W-Hea	ter Description	Capaci	yCap.Unit	I/P Rt	.2		Efficiency		Loss		
1 Electric	1 Electric water heater		[Gal]	3	[kW]		0.9700	[Ef]		[Btu/h]	

			Ext-Lig	hting									
Description Category No. of Watts per Area/Len/No. of units Control Type Wattage Luminaires Luminaire [sf/ft/No] [W]													
			Piping	g									
No T	уре	No.	Operating Temperature [F]	Insulation Conductivit [Btu-in/h.sf.	y Diamete		Is Runout?						
	leating System (Steam, lot Water)	Steam Condensate, &	110.00	0.28	0.50	1.00	No						
			Fenestrati	ion Used									
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT								
ASHULDblClr d-Vy-Fg frm	W User Defined	2	0.6000	0.5900	0.6400								
			Material	s Used									

178

265

Mat No Acronym

Matl187

Matl178

Matl265

Description

Soil, 1 ft

GYP OR PLAS

BOARD,1/2IN CARPET W/RUBBER PAD RValue

[h.sf.F/Btu]

0.4533

1.2300

2.0000

Thickness

[ft]

0.0417

1.0000

Conductivity

[Btu/h.ft.F]

0.0920

0.5000

Density

[lb/cf]

50.00

100.00

Only R-Value Used

No

Yes

No

SpecificHeat

[Btu/lb.F]

0.2000

0.2000

48	Matl48	6 in Henry	yweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	
23	Matl23	6 in. Insula	•	No	20,0000	0.5000	0.0250	5.70	0.2000	\exists
4	Matl4	Steel sidin		No	0.0002	0.0050	26.0000	480.00	0.2000	H
	Matl271		g oc + R11 Batt							H
271				No	10.4179	0.2917	0.0280	7.11	0.2000	H
279 94	Matl279 Matl94		flush (2.25") PROOFING, 3/8IN	Yes	2.8537	0.0313	0.0020	70.00	0.2500	H
94	Mati94	BUILI-UI	ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500	_
				Con	structs U	sed				
No	Name			Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1055	Metal siding/2x-	etal siding/2x4@24"+R11Batt/5/8"Gyp		No	No	0.09	1.07	19.38	10.9	
	Layer	Material No.	Material			ckness [ft]	Framing Factor			
	1	4	Steel siding		0.0	0050	0.000			
	2	271	2x4@24" oc + R1	1 Batt	0.2	917	0.000			
	3	187	GYP OR PLAS BO	OARD,1/2IN	0.0	417	0.000			
No	Name			Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1056	Mtl Bldg Roof/F	R-19 Batt		No	No	0.05	1.34	9.49	20.3	
	Layer	Material No.	Material			ckness [ft]	Framing Factor			
	1	94	BUILT-UP ROOFI	NG, 3/8IN	0.0	313	0.000			
	2	23	6 in, Insulation		0.5	000	0.000			

No	Name			Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1057	1 ft. soil, concre	te floor, carp	et and rubber pad	No	No	0.27	34.00	113.33	3.7	
	Layer	Material No.	Material			ckness [ft]	Framing Factor			
	1	265	Soil, 1 ft		1.0	000	0.000			
	2	48	6 in. Heavyweight	concrete	0.5	000	0.000			
	3	178	CARPET W/RUB	BER PAD			0.000			
No	Name	×.		Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1058	Solid core flush	(2.25)		No	Yes	0.35		2	2.9	
	Layer	Material No.	Material			ckness ft]	Framing Factor			
	1	279	Solid core flush (2	.25")			0.000			

I-75 TRUCK STOP - REPAIR CENTER

Location
Building owner
Program user
Company
Comments

ELLISVILLE FL 32024 I-75 TRUCK STOP Ron Miller Go Green Engineering

By Dataset name Go Green Engineering LLC C:\PROJECTS\PROJECTS\GREEN ENGINEERING SOLUTIONS\2019\TRUCK STOP\TRUCK STOP.TRC

Calculation time 06:30 AM on 11/26/2019 TRACE® 700 version 6.3.4 Location Gainesville, Florida Latitude 29.0 Longitude 82.0 deg Time Zone 155 Elevation ft Barometric pressure in. Hg 29.7 0.0756 Air density lb/cu ft Air specific heat 0.2444 Btu/lb·°F Density-specific heat product 1.1087 Btu/h·cfm·°F Latent heat factor 4,880.3 Btu·min/h·cu ft Enthalpy factor 4.5356 lb·min/hr·cu ft Summer design dry bulb 96.2 °F °F °F Summer design wet bulb 77.2 Winter design dry bulb 31.0 Summer clearness number 0.95 Winter clearness number 0.95 Summer ground reflectance 0.20 Winter ground reflectance 0.20 Carbon Dioxide Level 400 ppm Design simulation period January - December Cooling load methodology TETD-TA1 Heating load methodology UATD





System Checksums By Go Green Engineering LLC

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Constant Volume

CC	OLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	OIL PEAK		TEMP	ERATUR	ES
Peaked a Outs	t Time: ide Air:	Mo/H OADB/WB/HI	Hr: 8 / 16 R: 96 / 77 /	/ 113	Mo/Hr: OADB:			Mo/Hr: H OADB: 3	eating Design 11		SADB Ra Plenum	54.9 79.9	76.2 68.2
Se	Space ens. + Lat.	Plenum Sens. + Lat		Percent Of Total		Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens		Ret/OA	79.9 81.1	68.2 65.1
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads			10000000				Envelope Loads			353355	Fn BldTD	0.0	0.0
Skylite Solar	0	0	0			0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0			0	Skylite Cond	0	0	0.00			
Roof Cond	0	9,662	9,662			0	Roof Cond	0	-3,963	15.80	100		
Glass Solar	5,863	0	5,863			15	Glass Solar	0	0	0.00	AIR	FLOWS	
Glass/Door Cond	5,225	0	5,225			10	Glass/Door Cond	-9,556	-9,556	38.09	1	Cooling	Heating
Wall Cond	2,617	876	3,493	5	2,577	6	Wall Cond	-3,158	-4,351	17.34			
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	2,048	
Floor	0		0		0.00	0	Floor	0	0	0.00	Terminal	2,048	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	2,048	2,048
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	0	
Sub Total ==>	13,705	10,538	24,243	34	14,221	31	Sub Total ==>	-12,714	-17,871	71.22	Nom Vent	167	167
	20			137	1,000						AHU Vent	167	
Internal Loads							Internal Loads				Infil	0	
Lights	12,434	3,109	15.543	22	12,434	27	Lighte	0		0.00	MinStop/Rh	0	
People	11,500	3,109	11,500			27 13	Lights People	0	0	0.00	Return	1,881	
Misc	9,672	ő	9,672			21	Misc	0	0	0.00	Exhaust	1,001	
		100000000000000000000000000000000000000				70.00	2000 TO 1000 T						
Sub Total ==>	33,607	3,109	36,715	52	27,857	61	Sub Total ==>	0	0	0.00	Rm Exh	167	
	200		-		111		2 22 12 22	7. 222			Auxiliary	0	0
Ceiling Load	3,507	-3,507	0			8	Ceiling Load	-1,325	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	9,517			0	Ventilation Load	0	-7,221	28.78	Leakage Ups	0	C
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0	1657 33		
Dehumid, Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		0	0.00	FNGINE	ERING C	CKS
Exhaust Heat		0	Ö	0	100		OA Preheat Diff.		0	0.00	LIVOINE		
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00			
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	8.2	8.2
Duct Heat Pkup		0	0	0							cfm/ft²	0.90	0.90
Underfir Sup Ht Pku	Ip		0				Underfir Sup Ht Pkup	D	0	0.00	cfm/ton	348.78	
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00	ft²/ton	387.71	
										0.00	Btu/hr-ft²	30.95	-11.02
Grand Total ==>	50,819	10.139	70,475	100.00	45,571	100.00	Grand Total ==>	-14,039	-25.092	100.00	No. People	23	11.02

	Total C	apacity		Coll SEI			B/HR	Leave	DB/V	VB/HR	Gro	AREA ss Total	Glas	s	HEA.	TING COIL S			Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)	11	MBh	cfm	°F	"F
Main Clg Aux Clg	5.9 0.0	70.5 0.0	59.0 0.0	2,048	81.1	64.0 0.0	62.5 0.0	54.9 5 0.0		54.8	Floor Part	2,277			Main Htg Aux Htg	-25.1 0.0	2,048	65.1	76.2 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFir	0			Preheat	0.0	0	0.0	0.0
Total	5.9	70.5									Roof Wall Ext Door	2,277 2,276 232	510 0	0 22 0	Humidif Opt Vent Total	0.0 0.0 -25.1	0	0.0	0.0

Project Name: Dataset Name:

I-75 TRUCK STOP - REPAIR CENTER TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 1 of 1

Room Checksums By Go Green Engineering LLC

Handicap Restroom

60	COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	OIL PEAK		TEM	PERATUR	ES
	d at Time: outside Air:	Mo/H OADB/WB/HR	lr: 8 / 16 R: 96 / 77 /	113	Mo/Hr: OADB:			Mo/Hr: He OADB: 3	eating Design 1		SADB Ra Plenum	55.0 79.9	Heating 81.7 68.2
	Space Sens. + Lat.	Plenum Sens. + Lat		Percent Of Total		Percent Of Total		Space Peak Space Sens	Coil Peak		Return Ret/OA	79.9 79.9	68.2 68.2
	Btu/h	Btu/h	Btu/h	(%)		(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads			20000000	(10)	100000	()	Envelope Loads			2557	Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	parties of the same of		
Roof Cond	0	178	178	28	0	0	Roof Cond	0	-73	24.44			
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	A	IRFLOWS	
Glass/Door Con-	d 83	0	83	13	83	19	Glass/Door Cond	-154	-154	51.55	1	Cooling	Hantler
Wall Cond	65	22	87	14	65	15	Wall Cond	-80	-111	37.04			
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	20	
Floor	0		0	0	0.00	0	Floor	0	0	0.00	Terminal	20	2
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	20	2
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	(1)
Sub Total ==>	148	200	348	55	148	33	Sub Total ==>	-234	-338	113.03	Nom Vent	(1 (
Internal Loads							Internal Loads				AHU Vent	(
Lights	229	57	287	45	229	52	Lights	0	0	0.00	MinStop/Rh	ò	
People	0	0	0	0		0	People	o	0	0.00	Return	20	
Misc	ő	ő	ő	ŏ		ő	Misc	ő	ő	0.00	Exhaust	- (
0.0000000000000000000000000000000000000		2.7	1.7	975			100000		0.70		Rm Exh	ć	
Sub Total ==>	229	57	287	45	229	52	Sub Total ==>	0	0	0.00	Auxiliary	č	
Ceiling Load	65	-65	0	0	65	15	Ceiling Load	-24	0	0.00	Leakage Dw	n (1
Ventilation Load		0	0	ō		0	Ventilation Load	0	0	0.00	Leakage Ups		i i
Adj Air Trans He			0	0		0	Adi Air Trans Heat	0	0	0			
Dehumld. Ov Siz	ina		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	9		ő	ŏ		0	Exhaust Heat		Ö	0.00	ENGIN	IEERING	CKS
Exhaust Heat		0	ŏ	ŏ			OA Preheat Diff.		ō	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.		Ö	0.00		Cooling	Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0			System Plenum Hea	t	39	-13.03	cfm/ft²	0.47	0.4
Underfir Sup Ht I	Pkup		0	0			Underfir Sup Ht Pku	p	0	0.00	cfm/ton	376.71	
Supply Air Leaks		0	0	0			Supply Air Leakage	-	0	0.00	ft²/ton	793.60	~
Grand Total ==>	442	193	635	100.00	442	100.00	Grand Total ==>	-259	-299	100.00	Btu/hr·ft² No. People	15.12	-7.12 0.0/1000 ft

			COOLING	COIL SELE	ECTION						AREA	S		HEA	TING COIL SI	LEC.	TION	
	Total C	apacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter D	B/WB/HR gr/lb	Leave °F	°F	WB/HR gr/lb	Gros	s Total	Glas:	s (%)		CapacityCoil A MBh	Airflow cfm	Ent °F	Lvg °F
Main Clg Aux Clg	0.1	0.6 0.0	0.6 0.0	20 0	79.9 58. 0.0 0.		55.0 0.0	46.7 0.0	34.4	Floor Part	42 0			Main Htg Aux Htg	-0.3 0.0		68.2	81.7 0.0
Opt Vent	0.0	0.0	0.0	0	0.0 0.	0.0	0.0	0.0	0.0	Int Door ExFir	0			Preheat	0.0	0	0.0	0.0
Total	0.1	0.6								Roof Wall	42 45	0	0	Humidif Opt Vent	0.0 0.0	0	0.0	0.0
										Ext Door	20	0	0	Total	-0.3			

Project Name:

I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 1 of 9

By Go Green Engineering LLC

Handi-Cap Restroom

cc	OLING	COIL PEAK			CLG SPAC	E PEAK		HEATING CO	OIL PEAK		TEMPE
Peaked a Outs	t Time: ide Air:	Mo/H OADBWB/HF	r: 6 / 16 8: 94 / 75 /	/ 103	Mo/Hr OADB			Mo/Hr: H OADB: 3	eating Design 31		SADB Ra Plenum
Se	Space ens. + Lat.	Plenum Sens. + Lat		Percent Of Total		Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens		Ret/OA
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD
Envelope Loads							Envelope Loads			57707.5	Fn BldTD
Skylite Solar	0	0	0				Skylite Solar	0	0	0.00	Fn Frict
Skylite Cond	0	0	0				Skylite Cond	0	0	0.00	
Roof Cond	0	180	180				Roof Cond	0	-73	38.26	706
Glass Solar	0	0	0				Glass Solar	0	0	0.00	AIR
Glass/Door Cond	0	0	0				Glass/Door Cond	0	0	0.00	
Wall Cond	104	22	126	21	109	27	Wall Cond	-130	-161	84.13	
Partition/Door	0		0			0	Partition/Door	0	0	0.00	Diffuser
Floor	0		0			0	Floor	0	0	0.00	Terminal
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan
Sub Total ==>	104	202	306	52	109	27	Sub Total ==>	-130	-234	122.39	Nom Vent AHU Vent
Internal Loads							Internal Loads				Infil
Lights	229	57	287	48	229	57	Lights	0	0	0.00	MinStop/Rh
People	0	0	0			0	People	Õ	0	0.00	Return
Misc	0	0	0	0	0	0	Misc	0	0	0.00	Exhaust
Sub Total ==>	229	57	287	48	229	57	Sub Total ==>	0	0	0.00	Rm Exh
Ceiling Load							Calling Land	-24	0	0.00	Auxiliary Leakage Dwn
Ventilation Load	65	-65 0	0			16	Ceiling Load Ventilation Load	0	0	0.00	
	0	U									Leakage Ups
Adj Air Trans Heat	0		0			0	Adj Air Trans Heat	0	0	0	
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00	
Ov/Undr Sizing	0	12.1	0	0	0	0	Exhaust Heat		0	0.00	ENGINE
Exhaust Heat		0	0	0			OA Preheat Diff.		0	0.00	0
Sup. Fan Heat		2	0				RA Preheat Diff.		0	0.00	% OA
Ret. Fan Heat		0	0	0			Additional Reheat		.0	0.00	
Duct Heat Pkup	B527	0	0	0			System Plenum Heat		43	-22.39	cfm/ft²
Underfir Sup Ht Pki			0	0			Underfir Sup Ht Pkuj	р	0	0.00	cfm/ton 36
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00	ft²/ton 84 Btu/hr·ft² 1
Grand Total ==>	399	194	593	100.00	401	100.00	Grand Total ==>	-154	-191	100.00	No. People

TEMP	PERATUR	ES
	Cooling	Heating
SADB	55.0	77.7
Ra Plenum	79.9	68.2
Return	79.9	68.2
Ret/OA	79.9	68.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIR	FLOWS	
	Cooling	Heating
Diffuser	18	18
Terminal Main Fan	18 18	18 18
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	18	18
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGI	NEERIN	G CKS
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.43	0.43
cfm/ton	365.62	
ft²/ton	849.67	
Btu/hr-ft ²	14.12	-4.55
No. People	0.0	0.0/1000 ft ²

			COOLING	COIL SELE	CTIC	NC				
		apacity		Coil Airflow			WB/HR			NB/HR
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	0.6	0.6	18	79.9	58.8	40.8	55.0	46.3	33.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.6								

	AREA	S		HEA	TING COIL S	ELEC.	TION	
Gros	s Total	Glas	(%)		CapacityCoil MBh	Airflow cfm	Ent °F	Lvg °F
Floor Part	42 0			Main Htg Aux Htg	-0.2 0.0	18 0	68.2 0.0	77.7
Int Door ExFir	0			Preheat	0.0	0	0.0	0.0
Roof	42	0	0	Humidif	0.0	0	0.0	0.0
Wall	65	0	0	Opt Vent	0.0	0	0.0	0.0
Ext Door	0	0	0	Total	-0.2			

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 2 of 9

Room Checksums By Go Green Engineering LLC

Handicap RR

		A170.00	88081	ECTIO			Programme material and the second		257	0.000.000	ATIMO COI	0.0	J.G/ 1000 1
Grand Total ==>	399	194	593	100.00	401	100.00	Grand Total ==>	-154	-191	100.00	Btu/hr-ft² No. People	14.12	-4.5 0.0/1000 f
Supply Air Leaka	ige	0	0	0			Supply Air Leakage		0	0.00	ft²/ton	849.67	
Jnderfir Sup Ht I			0	0			Underfir Sup Ht Pkup	p	0	0.00	cfm/ton	365.62	
Duct Heat Pkup		0	0	0			System Plenum Heat		43	-22.39	cfm/ft²	0.43	0.4
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00		Cooling	Heatir
Exhaust Heat	100	0	Ö	0	1		OA Preheat Diff.		0	0.00	United States		
Ov/Undr Sizing	0		0	0	0	0			0	0.00	ENGI	NEERING	CKS
Dehumid. Ov Siz	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Adj Air Trans He	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0	5 8		
Ventilation Load		0	0	0	0	0	Ventilation Load	0	0	0.00	Leakage Up	s ()
Ceiling Load	65	-65	0	0		16	Ceiling Load	-24	0	0.00	Leakage Dw)
	229	5/	287	48	229	5/	Sub total ==>	U	0	0.00	Auxiliary	Č	í
Sub Total ==>	229	57	287	48	229	57	Sub Total ==>	0	0	0.00	Rm Exh		1
Misc	ő	ő	ő	ő		ő	Misc	0	0	0.00	Exhaust	'6	
People	0	0	207	0	229	0	Lights People	ŏ	0	0.00	Return	18	
Lights	229	57	287	48	220	57		0	0	0.00	MinStop/Rh		(
nternal Loads							Internal Loads				AHU Vent Infil	()
Sub Total ==>	104	202	306	52	109	27	Sub Total ==>	-130	-234	122.39	Nom Vent	()
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan	()
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00		10	2
Floor	0		0	0		0	Floor	0	0	0.00	Terminal Main Fan	18 18	
Partition/Door	0		0	0		0	Partition/Door	0	0	0.00			
Wall Cond	104	22	126	21	109	27	Wall Cond	-130	-161	84.13	Diffuser	18	
Glass/Door Con-		0	0	0		0	Glass/Door Cond	0	0	0.00		Cooling	Heatin
Glass Solar	0	0	0	0		0	Glass Solar	0	0	0.00	A	IRFLOWS	
Roof Cond	0	180	180	30		0	Roof Cond	0	-73	38.26			ř.
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00		0.01000	
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Envelope Loads	555000			1,	1700000		Envelope Loads	1701/20000	2000000	4.47	Fn BldTD	0.0	0.0
	Btu/h	Btu/h	Btu/h	(%)		(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
	Sens. + Lat.			Of Total	Sensible			Space Sens	Tot Sens		Ret/OA	79.9	68.2
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent	Return	79.9	68.2
						-		0,100			Ra Plenum	79.9	68.2
	utside Air:	OADB/WB/HR		103	OADB:			OADB: 3	1		SADB	55.0	77.7
Peake	d at Time:	Mo/H	6/16		Mo/Hr:	6/17		Mo/Hr: H	eating Design		11	Cooling	Heating
	COOLING	JOIL I LAIN			CLG SPAC	LILA		HEATING CO	JIL I LAIN		1 10011	IPERATUR	LU

			COOLING	G COIL SELE	CTIC	NC				- 1		AREA	S		HEA	TING COIL SI	ELEC	TION	
	Total C	apacity MBh	Sens Cap. MBh	Coil Airflow cfm	Ente °F		WB/HR gr/lb	Leav °F		WB/HR gr/lb	Gros	s Total	Glas	(%)		CapacityCoil A MBh	Airflow cfm	Ent °F	Lvg °F
Main Clg Aux Clg	0.1	0.6	0.6 0.0	18 0	79.9	58.8	40.8 0.0		46.3 0.0	33.1	Floor Part	42			Main Htg Aux Htg	-0.2 0.0		68.2	77.7 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFir	0			Preheat	0.0	0	0.0	0.0
Total	0.1	0.6									Roof Wall Ext Door	42 65	0	0	Humidif Opt Vent Total	0.0 0.0 -0.2	0	0.0	0.0

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 3 of 9

By Go Green Engineering LLC

Lockeroom

cod	DLING (COIL PEAK	1211		CLG SPAC	E PEAK	(HEATING (COIL PEAK		TEM	PERATU	JRES
Peaked at Outsid		Mo/H OADB/WB/HF	r: 6 / 16 :: 94 / 75 /	103	Mo/Hr OADB			Mo/Hr: OADB:	Heating Design 31		SADB Ra Plenum	Coolin 55. 79	0 7
Sen		Plenum Sens. + Lat		Percent Of Total				Space Peak Space Sens	Coil Peak Tot Sens	Of Total	Ret/OA	79. 79.	9 6
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0	
Envelope Loads				0.000		2332	Envelope Loads				Fn BldTD	0.	
Skylite Solar	0	0	0				Skylite Solar	0	0	0.00	Fn Frict	0.	.0
Skylite Cond	0	0	0			0	Skylite Cond	0	0	0.00			
Roof Cond	0	352	352				Roof Cond	0	-143	52.44			
Glass Solar	0	0	0				Glass Solar	0	0	0.00	A	IRFLOW	IS
Glass/Door Cond	0	0	0				Glass/Door Cond	0	0	0.00		Cooli	ng Hea
Wall Cond	128	27	156					-160	-198	72.70	Diffuser		32
Partition/Door	0		0				Partition/Door	0	0	0.00	Terminal		32
Floor	0		0				Floor	0	0	0.00	Main Fan		32
Adjacent Floor	0.00	0.00	0.00				Adjacent Floor	0.00	0.00	0.00	CONSTRUCTOR THE		32
Infiltration	0		0				Infiltration	0	0	0.00	Sec Fan		0
Sub Total ==>	128	379	507	48	134	19	Sub Total ==>	-160	-341	125.14	Nom Vent		0
nternal Loads							Internal Loads				AHU Vent Infil		0
Lights	448	112	560	52	448	64	Lights	0	0	0.00	MinStop/Rh		0
People	0	0	0			0		0	0	0.00	Return		32
Misc	0	0	0	0	0	0	Misc	0	0	0.00	Exhaust		0
Sub Total ==>	448	112	560	52	448	64	Sub Total ==>	0	0	0.00	Rm Exh Auxiliary		0
Ceiling Load	127	-127	0	0	122	17	Ceiling Load	-48	0	0.00	Leakage Dw	m	ŏ
Ventilation Load	0	0	0	0			Ventilation Load	0	0	0.00	Leakage Up	S	0
Adj Air Trans Heat	0		0	0		170	Adj Air Trans Heat	0	0	0	Louis go op		~
Dehumid. Ov Sizina			0	0		-	Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0			0	Exhaust Heat		ő	0.00	ENGI	VEERING	CKE
Exhaust Heat		0	ŏ	0	·	U	OA Preheat Diff.		ő	0.00	ENGI	AFFICIAL	3 CNS
Sup. Fan Heat		0.70	0	0			RA Preheat Diff.		ő	0.00		Cooling	Hea
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	
Duct Heat Pkup		0	0	0			System Plenum Heat	E	68	-25.14	cfm/ft²	0.39	
Underfir Sup Ht Pkup	(0				Underfir Sup Ht Pkup	p	0	0.00	cfm/ton	357.06	
Supply Air Leakage		0	0	0			Supply Air Leakage	5	0	0.00	ft²/ton	922.32	
Grand Total ==>	703	364	1,067	100.00	704	100.00	Grand Total ==>	-208	-272	100.00	Btu/hr-ft² No. People	13.01	0.0/100

1	LIVATOR	LO
SADB	Cooling 55.0	Heating 75.9
Ra Plenum	79.9	68.2
Return	79.9	68.2
Ret/OA	79.9	68.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0
All	RFLOWS	
	Cooling	Heating
Diffuser	32	32
Terminal Main Fan	32 32	32 32
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	32	32
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn		0
Leakage Ups	0	0

ENGI	ENGINEERING CKS										
	Cooling	Heating									
% OA	0.0	0.0									
cfm/ft²	0.39	0.39									
cfm/ton	357.06										
ft²/ton	922.32										
Btu/hr-ft2	13.01	-3.32									
No. People	0.0	0.0/1000 ft ²									

			COOLING	G COIL SELE	CTI	ON					
	Total Capacity			Coil Airflow			WB/HR		Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
Main Clg	0.1	1.1	1.1	32	79.9	58.8	40.8	55.0	46.0	31.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	0.1	1.1									

	AREA	S		
Gross	Total	Glas ft²	s (%)	
Floor Part	82 0			Ma
Int Door ExFir	0			Pre
Roof Wall	82 80	0	0	Hu
Ext Door	0	0	0	Tot

HEAT	ING COIL S	ELEC	TION	
	CapacityCoil MBh	Airflow cfm	Ent °F	Lvg
Main Htg	-0.3	32	68.2	75.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.3			

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 4 of 9

By Go Green Engineering LLC

Parts Manager

coo	LING	COIL PEAK			CLG SPAC	E PEAK		HEATING C	OIL PEAK		TEN	MPER
Peaked at Ti Outside		Mo/Hr: OADB/WB/HR:	8 / 16 96 / 77 /	113	Mo/Hr: OADB:			Mo/Hr: H OADB: ;	leating Design 31		SADB Ra Plenum	c
Sens	Space . + Lat.	Plenum Sens. + Lat		Percent Of Total		Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens		Return Ret/OA	
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	
Envelope Loads				75007		100000	Envelope Loads			100,000	Fn BldTD	
Skylite Solar	0	0	0			0	Skylite Solar	0	0	0.00	Fn Frict	
Skylite Cond	0	0	0			0	Skylite Cond	0	0	0.00		
Roof Cond	0	318	318			0	Roof Cond	0	-131	17.77		
Glass Solar	0	0	0			0	Glass Solar	0	0	0.00	/	AIRF
Glass/Door Cond	0	0	0			0	Glass/Door Cond	0	0	0.00		
Wall Cond	162	34	196			18	Wall Cond	-200	-247	33.66	Diffuser	
Partition/Door	0		0			0	Partition/Door	0	0	0.00	LUCKET PROTECTION	
Floor	0		0			0	Floor	0	0	0.00	Terminal	
Adjacent Floor	0.00	0.00	0.00			0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	
Infiltration	0		0			0	Infiltration	0	0	0.00	Sec Fan	
Sub Total ==>	162	352	514	25	167	18	Sub Total ==>	-200	-378	51.43	Nom Vent	
Internal Loads							Internal Loads			1	AHU Vent Infil	
Lights	410	102	512	25	410	44	Lights	0	0	0.00	MinStop/Ri	h
People	500	0	500		250	27	People	0	0	0.00	Return	
Misc	0	0	0	0	0	0	Misc	0	0	0.00	Exhaust	
Sub Total ==>	910	102	1,012	48	660	70	Sub Total ==>	0	0	0.00	Rm Exh Auxiliary	
Ceiling Load	116	-116	0	0	112	12	Ceiling Load	-44	0	0.00	Leakage D	wn
Ventilation Load	0	0	563		0	0	Ventilation Load	0	-432	58.85	Leakage Up	DS
Adj Air Trans Heat	0		0	0		0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		0	0.00	ENG	NEE
Exhaust Heat	375	0	0	0	H Common	- 5	OA Preheat Diff.		0	0.00		
Sup. Fan Heat			0	0	O.		RA Preheat Diff.		0	0.00		Cool
Ret. Fan Heat		0	0	0	Ú.		Additional Reheat		0	0.00	% OA	2
Duct Heat Pkup		0	0	0			System Plenum Heat		76	-10.28	cfm/ft²	0
Underfir Sup Ht Pkup			0	0			Underfir Sup Ht Pkuj	p	0	0.00	cfm/ton	223
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00	ft²/ton Btu/hr-ft²	430
Grand Total ==>	1,187	339	2,089	100.00	939	100.00	Grand Total ==>	-243	-735	100.00	No. People	1,900.0

TEMP	PERATUR	ES	
	Cooling	Heating	
SADB	53.3	75.6	
Ra Plenum	79.9	68.2	
Return	79.9	68.2	
Ret/OA	83.9	58.6	
Fn MtrTD	0.0	0.0	
Fn BldTD	0.0	0.0	
Fn Frict	0.0	0.0	
			-

AIR	FLOWS	
	Cooling	Heating
Diffuser	39	39
Terminal Main Fan	39 39	39 39
Sec Fan	0	0
Nom Vent	10	10
AHU Vent	10	10
Infil	0	0
MinStop/Rh	0	0
Return	29	29
Exhaust	0	0
Rm Exh	10	10
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS									
	Cooling	Heating							
% OA	25.7	25.7							
cfm/ft²	0.52	0.52							
cfm/ton	223.72								
ft²/ton	430.82								
Btu/hr-ft ²	27.85	-9.80							
No. People	1.0	13.3/1000 ft ²							

			COOLING	G COIL SELE	CTIC	NC				
	Total Capacity			Coil Airflow			WB/HR	Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.1	1.5	39	83.9	68.0	77.7	53.3	50.3	49.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.1								

	AREA	S		HEAT	ING (
Gros	s Total	Glass	S	C		
		ft²	(%)		. 1	
Floor	75			Main Htg	-0	
Part	0			Aux Htg		
Int Door	0			Preheat		
ExFir	0					
Roof	75	0	0	Humidif		
Wall	100	0	0	Opt Vent		
Ext Door	0	0	0	Total	-0	

HEAT	ING COIL S	ELEC.	TION	
	CapacityColl MBh	Airflow cfm	Ent °F	Lvg °F
Main Htg Aux Htg	-0.7 0.0	39	58.6 0.0	75.6 0.0
Preheat	0.0	0	0.0	0.0
Humidif Opt Vent	0.0	0	0.0	0.0
Total	-0.7			

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 5 of 9

By Go Green Engineering LLC

Parts Warehouse

(COOLING	COIL PEAK			CLG SPAC	E PEAK		HEATING	COIL PEAK		TEM	PERATUR	ES
	d at Time: utside Air:	Mo/F OADB/WB/HI	Hr: 8 / 16 R: 96 / 77 /	113	Mo/Hr: OADB:			Mo/Hr: OADB:	Heating Design 31		SADB Ra Plenum	55.0 79.9	74.9 68.2
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total		Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens		Return Ret/OA	79.9 79.9	68.2 68.2
	Btu/h	Btu/h	Btu/h			(%)		Btu/h	Btu/h		Fn MtrTD	0.0	0.0
Envelope Loads				1,	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,-,	Envelope Loads			11.77	Fn BldTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00		2022	0.3971
Roof Cond	0	4,894	4,894	25	0	0	Roof Cond	0	-2,009	42.08			
Glass Solar	0	0	0	0		0	Glass Solar	0	0	0.00	AI	RFLOWS	
Glass/Door Cond		0	799			6	Glass/Door Cond	-1,480	-1,480	31.00	1	Cooling	Heating
Wall Cond	1,131	329	1,460	7	1,131	8	Wall Cond	-1,318	-1,747	36.59	D144		
Partition/Door	0		0	0		0	Partition/Door	0	0		Diffuser	640	
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	640	
Adjacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	640	
Infiltration	0		0	0		0	Infiltration	0	0		Sec Fan	0	0
Sub Total ==>	1,929	5,224	7,153	37	1,929	14	Sub Total ==>	-2,798	-5,235	109.66	Nom Vent	0	
Internal Loads							Internal Loads				AHU Vent Infil	0	
Lights	6.302	1,575	7.877	40	6.302	44	Lights	0	0	0.00	MinStop/Rh	0	
People	500	0	500	3		2	People	ő	ő	0.00	Return	640	640
Misc	3,939	ő	3,939	20		28	Misc	ŏ	ŏ	0.00	Exhaust	0	
Sub Total ==>	10,740	1,575	12,316	63		74	Sub Total ==>	0	0	0.00	Rm Exh	ō	(C) (1) TO
										1000000	Auxiliary	0	
Ceiling Load	1,777	-1,777	0	0		13	Ceiling Load	-672	0	0.00	Leakage Dwi	1 0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Leakage Ups	. 0	0
Adj Air Trans Hea	at 0		0	0	0	0	Adj Air Trans Heat	0	0	0	75. 5		
Dehumid. Ov Siz	ing		0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	. 0		0	Exhaust Heat		0	0.00	FNGIN	EERING (CKS
Exhaust Heat	100	0	Ō	Ö			OA Preheat Diff.		0	0.00	5777.575.55		
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00		Cooling	Heating
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	0.0	0.0
Duct Heat Pkup		0	0	0			System Plenum Hea		461	-9.66	cfm/ft²	0.55	0.55
Underfir Sup Ht F			0	0			Underfir Sup Ht Pku	p	0	0.00	cfm/ton	394.65	
Supply Air Leaka	ige	0	0	0			Supply Air Leakage		0	0.00	ft²/ton	711.29	
Grand Total ==>	14.447	5,022	19,469	100.00	14,197	100.00	Grand Total ==>	-3.470	-4.774	100.00	Btu/hr-ft² No. People	16.87	-4.14 0.9/1000 ft ²

SADB	55.0	74.9							
Ra Plenum	79.9	68.2							
Return	79.9	68.2							
Ret/OA	79.9	68.2							
Fn MtrTD	0.0	0.0							
Fn BldTD	0.0	0.0							
Fn Frict	0.0	0.0							
Ra Plenum 79.9 68.2 Return 79.9 68.2 Ret/OA 79.9 68.2 Fn MtrTD 0.0 0.0 Fn BldTD 0.0 0.0									
	Cooling	Heating							
Diffuser	640	640							
Terminal	640	640							

	C	
	Cooling	Heating
Diffuser	640	640
Terminal	640	640
Main Fan	640	640
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	640	640
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGI	NEERIN	G CKS
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.55	0.55
cfm/ton	394.65	
ft²/ton	711.29	
Btu/hr-ft ²	16.87	-4.14
No. People	1.0	0.9/1000 ft ²

			COOLING	COIL SELE	CTIC	N				
	Total C	apacity		Coil Airflow			WB/HR	Leav	e DB/	NB/HF
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.6	19.5	19.2	640	79.9	61.0	50.5	55.0	50.1	46.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.6	19.5								

	AREA	S		HEATING COIL SELECTION							
Gro	ss Total	Glas	(%)		CapacityCoil MBh	Airflow cfm	Ent °F	Lvg °F			
Floor Part	1,154 0			Main Htg Aux Htg	-4.8 0.0	640 0	68.2 0.0	74.9			
Int Door ExFir	0			Preheat	0.0	0	0.0	0.0			
Roof	1,154	0	0	Humidif	0.0	0	0.0	0.0			
Wall	708	0	0	Opt Vent	0.0	0	0.0	0.0			
Ext Door	192	0	0	Total	-4.8						

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 6 of 9

Room Checksums By Go Green Engineering LLC

Reception/Bill Pay

	COOLING	COIL PEAK			CLG SPACE	E PEAK		HEATING C	OIL PEAK		TEN
Peake	ed at Time:	Mo/H	r: 8 / 15		Mo/Hr:	6/15		Mo/Hr: H	leating Design		
C	Outside Air:	OADBWB/HR	: 96/77	/ 111	OADB:	94		OADB: 3			SADB Ra Plenum
	Space Sens. + Lat.	Plenum Sens. + Lat		Percent Of Total	Space Sensible	Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens		Return Ret/OA
	Btu/h	Btu/h	Btu/h			(%)		Btu/h	Btu/h		Fn MtrTD
nvelope Loads				(,-,	7.0000	(,-,	Envelope Loads		337.335		Fn BldTD
Skylite Solar	0	0	0		0	0	Skylite Solar	0	0	0.00	Fn Frict
Skylite Cond	0	0	0			0	Skylite Cond	0	0	0.00	
Roof Cond	0	519	519			0	Roof Cond	0	-214	8.26	1
Glass Solar	1,256	0	1,256		1,402	34	Glass Solar	0	0	0.00	/
Glass/Door Con	d 865	0	865	15	777	19	Glass/Door Cond	-1,584	-1,584	61.11	
Wall Cond	15	44	59	1	15	0	Wall Cond	-20	-87	3.34	
Partition/Door	0		0		0	0	Partition/Door	0	0	0.00	Diffuser
Floor	0		0		0.00	0	Floor	0	0	0.00	Terminal
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan
Sub Total ==>	2,137	563	2,700	48	2,195	53	Sub Total ==>	-1,604	-1,885	72.72	Nom Vent
ternal Loads							Internal Loads				Infil
Lights	672	168	840	15	672	16	Lights	0	0	0.00	MinStop/Ri
People	500	0	500	9	250	6	People	0	0	0.00	Return
Misc	840	0	840	15	840	20	Misc	0	0	0.00	Exhaust
Sub Total ==>	2,011	168	2,179	38	1,761	42	Sub Total ==>	0	0	0.00	Rm Exh Auxiliary
eiling Load	188	-188	0	0	189	5	Ceiling Load	-72	0	0.00	Leakage D
entilation Load	0	0	785	14	0	0	Ventilation Load	0	-562	21.69	Leakage Up
di Air Trans He			0	0	0	n	Adj Air Trans Heat	0	0	0	
ehumid. Ov Siz			0	0			Ov/Undr Sizing	0	0	0.00	
v/Undr Sizing	0			ő	0	0	Exhaust Heat		ŏ	0.00	ENGI
xhaust Heat		0	0	ŏ	U	U	OA Preheat Diff.		ŏ	0.00	ENG
up. Fan Heat		1.9503	0	0			RA Preheat Diff.		0	0.00	
et. Fan Heat		0	o.	Õ			Additional Reheat		ő	0.00	% OA
uct Heat Pkup		Ö	0	0			System Plenum Heat		-145	5.60	cfm/ft²
nderfir Sup Ht	Pkup	190	0	Õ			Underfir Sup Ht Pkup		0	0.00	cfm/ton
upply Air Leak		0	0	0			Supply Air Leakage	T.	0	0.00	ft²/ton Btu/hr-ft²
rand Total ==>	4,336	543	5,664	100.00	4,145	100.00	Grand Total ==>	-1,676	-2,592	100.00	No. People

TEMP	PERATUR	ES		
	Cooling	Heating		
SADB	55.0	78.1		
Ra Plenum	79.8	68.2		
Return	79.8	68.2		
Ret/OA	81.0	65.6		
Fn MtrTD	0.0	0.0		
Fn BldTD	0.0	0.0		
Fn Frict	0.0	0.0		

AIR	FLOWS	
	Cooling	Heating
Diffuser	187	187
Terminal Main Fan	187 187	187 187
Sec Fan	0	0
Nom Vent	13	13
AHU Vent	13	13
infil	0	0
MinStop/Rh	0	0
Return	174	174
Exhaust	0	0
Rm Exh	13	13
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGI	NEERIN	G CKS
	Cooling	Heating
% OA	7.0	7.0
cfm/ft²	1.52	1.52
cfm/ton	396.04	
ft²/ton	260.59	
Btu/hr-ft ²	46.05	-21.07
No. People	1.0	8.1/1000 ft²

			COOLING	G COIL SELE	CTIC	NC				
	100	apacity		Coil Airflow			WB/HR			NB/HR
	ton	MBh	MBh	cfm	°F	°F	gr/lb	-F	°F	gr/lb
Main Clg	0.5	5.7	4.9	187	81.0	63.7	61.3	55.0	53.5	59.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	5.7								

	AREA	S		HEATING COIL SELECTION						
Gros	s Total	Glas	5S (%)		CapacityCoil MBh	Airflow cfm	Ent °F	Lvg °F		
Floor Part	123 0			Main Htg Aux Htg	-2.6 0.0	187 0	65.6 0.0	78.1 0.0		
Int Door ExFir	0			Preheat	0.0	0	0.0	0.0		
Roof	123	0	0	Humidif	0.0	0	0.0	0.0		
Wall Ext Door	140	104	74 0	Opt Vent	0.0 -2.6	0	0.0	0.0		

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 7 of 9

By Go Green Engineering LLC

Service Manager

COC	LING	COIL PEAK			CLG SPACE	EPEAK		HEATING CO	OIL PEAK		TEM	PERATU	RES
Peaked at T Outside		Mo/Hr OADB/WB/HR	: 8/16 : 96/77/	113	Mo/Hr: OADB:			Mo/Hr: He OADB: 3	eating Design 1		SADB Ra Plenum	55.0 79.9	77.9
Con	Space	Plenum Sens. + Lat		Percent		Percent		Space Peak	Coil Peak		Return Ret/OA	79.9 81.2	68.2
Sen				Of Total				Space Sens	Tot Sens		Fn MtrTD	0.0	
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)			
Envelope Loads						_	Envelope Loads		-		Fn BldTD	0.0	
Skylite Solar	0	0	0	0		0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0	0		0	Skylite Cond	0	0	0.00			
Roof Cond	0	441	441	10		0	Roof Cond	0	-181	9.03	1/2		
Glass Solar	635	0	635	14		24	Glass Solar	0	0	0.00	A	IRFLOW:	5
Glass/Door Cond	468	0	468	10		14	Glass/Door Cond	-853	-853	42.54		Coolin	g Heating
Wall Cond	254	78	331	7	237	8	Wall Cond	-313	-421	20.98	Diffuser	14	
Partition/Door	0		0	0		0	Partition/Door	0	0	0.00	[9730014 PROPERTY 1		
Floor	0		0	0		0	Floor	0	0	0.00	Terminal	14	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	14	0 14
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	Sec Fan		0
Sub Total ==>	1,357	519	1,876	41	1,410	46	Sub Total ==>	-1,166	-1,455	72.54	Nom Vent		2 1
nternal Loads							Internal Loads			- 1	AHU Vent Infil		2 1
Lights	568	142	710	16	568	18	Lights	0	0	0.00	MinStop/Rh		0
People	500	0	500	11	250	8	People	ő	0	0.00	Return	12	
Misc	710	ŏ	710	16		23	Misc	ŏ	ő	0.00	Exhaust		0 12
THE STATE OF THE PARTY OF THE P		1000000	5 (S) (S) (S)				The state of the s			-	Rm Exh		2 1
Sub Total ==>	1,778	142	1,920	42	1,528	49	Sub Total ==>	0	0	0.00			
2000 20 0					100		2 10 10 11	2.0	1.2	1	Auxiliary		0
Ceiling Load	160	-160	0	0		5	Ceiling Load	-61	0	0.00	Leakage Dw		0
Ventilation Load	0	0	730	16		0	Ventilation Load	0	-519	25.87	Leakage Ups	3	0
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0	177 27		
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0			0		0	Exhaust Heat		0	0.00	ENGIN	IEERING	CKS
Exhaust Heat	100	0	0	ŏ			OA Preheat Diff.		0	0.00	(3772.70700)		
Sup. Fan Heat		0774	0	0			RA Preheat Diff.		0	0.00		Cooling	Heating
Ret. Fan Heat		0	0	ō			Additional Reheat		Ö	0.00	% OA	8.6	8.
Ouct Heat Pkup		0	0	0			System Plenum Heat		-32	1.59	cfm/ft²	1.34	1.3
Inderfir Sup Ht Pkup		1070	ő	Ö			Underfir Sup Ht Pkup		0	0.00	cfm/ton	370.50	
Supply Air Leakage		0	0	ō			Supply Air Leakage		0	0.00	ft²/ton	275.79	
		1800						10 V (20 20 20)		-	Btu/hr-ft²	43.51	-19.2
Grand Total ==>	3,295	500	4,525	100.00	3,098	100.00	Grand Total ==>	-1,226	-2,005	100.00	No. People	1.0	9.6/1000 ft

COOLING COIL SELECTION												AREA	S		HEATING COIL SELECTION				
	Total (Capacity MBh	Sens Cap. MBh	Coll Airflow cfm	Enter	°F	WB/HR gr/lb	Leave	°F	WB/HR gr/lb	Gros	s Total	Glas ft²	(%)		CapacityCoil . MBh	Airflow cfm	En:	
Main Clg Aux Clg	0.4	4.5 0.0	3.8	140	81.26		63.6 0.0	55.0 0.0		58.8 0.0	Floor Part	104 0			Main Htg Aux Htg	-2.0 0.0		65.0 0.0	77.9 0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFir	0			Preheat	0.0	0	0.0	0.0
Total	0.4	4.5									Roof Wall	104 227	0 56	0 25	Humidif Opt Vent	0.0		0.0	0.0
											Ext Door	0	0	0	Total	-2.0			

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 8 of 9

By Go Green Engineering LLC

Trucker Lounge / Customer Waiting

COC	DLING	COIL PEAK			CLG SPACE	E PEAK		HEATING (COIL PEAK		TEM	PERATUR	RES
Peaked at Time: Outside Air:		Mo/H OADB/WB/HF	r: 8 / 16 R: 96 / 77 /	113	Mo/Hr: OADB:			Mo/Hr: OADB:	Heating Design 31		SADB Ra Plenum	Cooling 54.9 79.9	76.3 68.2
Sen	Space s. + Lat.	Plenum Sens. + Lat		Percent Of Total		Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens		Return Ret/OA	79.9 82.0	68.2 63.0
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0
Envelope Loads							Envelope Loads			****	Fn BldTD	0.0	0.0
Skylite Solar	0	0	0			0	Skylite Solar	0	0	0.00	Fn Frict	0.0	0.0
Skylite Cond	0	0	0			0	Skylite Cond	0	0	0.00		45,020	11022
Roof Cond	0	2,600	2,600	7	0	0	Roof Cond	0	-1.067	7.60		Contraction of	e e
Glass Solar	3,972	0	3,972	11	4,719	22	Glass Solar	0	0	0.00	ll Al	RFLOWS	
Glass/Door Cond	3,009	0	3,009	8	2,690	13	Glass/Door Cond	-5.485	-5.485	39.09	500	0	
Wall Cond	654	297	951	3	611	3	Wall Cond	-807	-1,220	8.69	20022-00000	Cooling	
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Diffuser	95	
Floor	0		0	0	0.00	0	Floor	0	0	0.00	Terminal	958	
Adiacent Floor	0.00	0.00	0.00	0.00		0.00	Adjacent Floor	0.00	0.00	0.00	Main Fan	955	95
Infiltration	0		0	0		0	Infiltration	0	0	0.00	Sec Fan	()
Sub Total ==>	7,635	2,897	10,532	29	8,020	38	Sub Total ==>	-6,293	-7,772	55.39	Nom Vent	132	
Internal Loads							Internal Loads				AHU Vent Infil	132	
Lights	3,347	837	4.184	12	3,347	16	Lights	0	0	0.00	MinStop/Rh	i	
People	9.500	0	9,500	27	4.750	22	People	ő	ő	0.00	Return	823	
Misc	4.184	Ŏ	4,184	12		20	Misc	ő	ŏ	0.00	Exhaust	- (
Sub Total ==>	17,032	837	17,869	50		58	Sub Total ==>	0	0	0.00	Rm Exh	132	13
		100						222		7.2.2	Auxiliary	(
Ceiling Load	944	-944	0	0		4	Ceiling Load	-357	0	0.00	Leakage Dwi		
Ventilation Load	0	0	7,439	21	0	0	Ventilation Load	0	-5,707	40.67	Leakage Ups)
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		0	0.00	FNGIN	EERING	CKS
Exhaust Heat		0	0	0		(2)	OA Preheat Diff.		0	0.00	100000000000000000000000000000000000000		
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00		Cooling	Heatin
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	% OA	13.8	13.
Duct Heat Pkup		0	0	0			System Plenum Heat		-553	3.94	cfm/ft²	1.56	1.5
Underfir Sup Ht Pkup			0	0			Underfir Sup Ht Pkup	9	0	0.00	cfm/ton	319.63	
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00	ft²/ton Btu/hr-ft²	205.25 58.47	-22.8
Grand Total ==>	25,611	2,789	35,839	100.00	21,244	100.00	Grand Total ==>	-6.649	-14.032	100.00	No. People	100,000	-22.89 1.0/1000 ft

		COOLING	G COIL SELE	ECTIO	NC					1	AREA	S		HEA	TING COIL S	ELEC	TION	
Total C	apacity MBh	Sens Cap. MBh	Coil Airflow cfm			WB/HR gr/lb				Gros	s Total	Glas	s (%)		CapacityCoil MBh	Airflow cfm		
3.0 0.0	35.8 0.0	26.7 0.0	955 0			72.0 0.0				Floor Part	613 0			Main Htg Aux Htg	-14.0 0.0			76.3 0.0
0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door ExFir	0			Preheat	0.0	0	0.0	0.0
3.0	35.8									Roof Wall	613 847	350	0 41	Humidif Opt Vent	0.0	0	0.0	0.0
	3.0 0.0 0.0	3.0 35.8 0.0 0.0 0.0 0.0	Total Capacity ton MBh MBh 3.0 35.8 26.7 0.0 0.0 0.0 0.0	Total Capacity ton Sens Cap. MBh Coll Airflow cfm 3.0 35.8 26.7 955 0.0 0.0 0.0 0 0.0 0.0 0.0 0	Total Capacity ton Sens Cap. MBh Coil Airflow MBh Enter "F 3.0 35.8 26.7 955 82.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ton MBh MBh cfm "F "F "F 3.0 35.8 26.7 955 82.0 66.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Total Capacity ton Sens Cap. MBh Coil Airflow MBh Enter DB/WB/HR 3.0 35.8 26.7 955 82.0 66.3 72.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Capacity ton MBh Sens Cap. MBh Coll Airflow cfm Enter DB/WB/HR "F "F gr/lb Leav "F S gr/lb 3.0 35.8 26.7 955 82.0 66.3 72.0 54.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Capacity ton Sens Cap. Coll Airflow MBh Enter DB/WB/HR °F °F gr/lb Leave DB °F °F 3.0 35.8 26.7 955 82.0 66.3 72.0 54.9 54.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Capacity ton Sens Cap. Coll Airflow MBh Enter DB/WB/HR Leave DB/WB/HR Ceave DB/WB/HR 3.0 35.8 26.7 955 82.0 66.3 72.0 54.9 54.0 61.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Total Capacity ton MSh Sens Cap. Coll Airflow Enter DB/WB/HR Cfm "F "F gr/lb "F "F gr/lb "F "F gr/lb Sens Cap. Coll Airflow Sens Cap. Cfm Cfm Sens Cap. Cfm Cfm Sens Cap. Cfm Cfm Sens Cap. Cfm	Total Capacity ton MBh MBh Cfm F F Gr/lb F F Gr/lb Cfm T Gross Total	Total Capacity ton MBh MBh Cfm Cfm F F Gy/lb Cfm F Gy/lb Cfm Cfm	Total Capacity ton MBh MBh Cfm "F "F Gr/lb Floor G13 MBh G14 MBh Cfm "F "F Gr/lb G15 MBh G14 MBh Cfm "F "F Gr/lb G15 MBh G15 MBh Cfm "F "F Gr/lb G15 MBh G15 MBh G15 MBh Cfm "F "F Gr/lb G15 MBh G15 MBh	Total Capacity ton MSh Sens Cap. Coll Airflow ton MSh Cfm "F "F gr/lb "F "F gr/lb "F "F gr/lb "F "F gr/lb Sens Cap. Coll Airflow ton MSh Cfm "F "F gr/lb "F "F gr/lb Sens Cap. Coll Airflow "F "F gr/lb "F "F gr/lb Sens Cap. Coll Airflow Sens Cap. Cfm Cfm Sens Cap. Cfm Cfm Sens Cap. Cfm Cfm Sens Cap. Cfm Cfm Sens Cap. Cfm	Total Capacity ton MSh MSh Cfm F F Gr/lb F F Gr/lb Sens Cap. Coll Airflow MSh Cfm F F Gr/lb F F Gr/lb Sens Cap. Coll Airflow MSh Cfm F F Gr/lb F F Gr/lb Sens Cap. CapacityColl MSh MSh	Total Capacity ton MSh Sens Cap. Coll Airflow ton MSh Cfm "F "F gr/lb "F "F gr/lb Total Capacity ton MSh Cfm "F "F gr/lb Total Capacity ton MSh Cfm "F "F gr/lb Total Capacity Coll Airflow ton MSh Cfm Total Capacity Coll Airflow ton MSh Cfm Total Capacity Coll Airflow ton Total Capacity Coll Airflow Cfm Cfm	Total Capacity ton MBh Cfm MBh Cfm F Gy/lb Cfm F Gy/lb Cfm C

Project Name: I-75 TRUCK STOP - REPAIR CENTER

Dataset Name: TRUCK STOP.TRC

TRACE® 700 v6.3.4 calculated at 06:30 AM on 11/26/2019 Alternative - 1 System Checksums Report Page 9 of 9

Florida Building Code, Sixth Edition (2017) - Energy Conservation

EnergyGauge Summit® Fla/Com-2017, Effective Date: Dec 31, 2017 IECC 2015 - Total Building Performance Compliance Option

	Check List						
Applie includ	cations for compliance with the Florida Building Code, Energy Conservation shall de:						
Ø	This Checklist						
Ø	The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports.						
Ø	The compliance report must include the full input report generated by the software as contigous part of the compliance report.						
Ø	Boxes appropriately checked in the Mandatory Section of the complaince report.						
WARNING: INPUT REPORT NOT GENERATED. To include input report in final submission, go to the Project Form, Settings Tab and check the box - "Append Input Report to Compliance Output Report" Then rerun your calculation							

PROJECT SUMMARY

Short Desc: Office

Description: I-75 Truck Stop Repair Cente

Owner: I-75 Truck Stop Repair Center

Address1: 14197 S US 441

State: FL

Address2:

Zip: 32024

City: Ellisville

Type: Office

Class: New Finished building

Jurisdiction: COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)

Conditioned Area: 2373 SF

Conditioned & UnConditioned Area: 2373 SF

Area entered from Plans 2373 SF

No of Stories: 1

Max Tonnage 6

Permit No: 0

If different, write in: