

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS



R. JOHNSON APPROVED 07 28 2017

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)
MODULAR BUILDING PLAN NUMBER: DBI-7289

Name of Project				7:- 0	ode	
Address:				Zip C	ode	-
Proposed Use: _	BUSINESS	-		EM	1	- 1
Owner/Authoriz)	E-Ma	il	-
Owned By:		City/County		= -	tate	
Code Enforceme	ent Jurisdiction:	City	County_	L S	tate	
LEAD DESIG	PROFESSIONAL	: JAMES. I	E. BRADLEY NO	C PE# 05889		_
DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE #	E-MAIL	
Architectural				_ ()		-1
Civil				_ (_)		-1
Electrical				- ()		-
Fire Alarm						
Plumbing Mechanical					4	
	pipe		1-9.4.1	_ (_)		_
Structural		Carried Age		_ (_)		-1
Retaining Walls	s > 5' High				1	-
Other						
	Reconstruction ED: (date)	CURRE	AL USE(S) (Ch. 3): NT USE(S) (Ch. 3): SED USE(S) (Ch. 3):			
RENOVATED BASIC BUILD	D: (date) DING DATA	CURRE PROPOS	NT USE(S) (Ch. 3):		□ V-A	-
BASIC BUILI	D: (date) D: (date) DING DATA Type: I-A	CURRE	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3):			-
BASIC BUILI Construction (check all that	DING DATA Type:	CURRE PROPOS	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3):	IV	□ V-A	-
BASIC BUILI Construction (check all that a	DING DATA Type: I-A apply) I-B No Partia	CURRED PROPOS	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A	IV	□ V-A ■ V-B	
BASIC BUILI Construction (check all that sprinklers: Standpipes:	DING DATA Type:	CURRED PROPOSE II-A II-B II-B Class I	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13	IV NFPA 13R	□ V-A ■ V-B NFPA 13D	
BASIC BUILD Construction (check all that a Sprinklers: Standpipes: Fire District:	DING DATA Type:	CURRED PROPOSE II-A II-B II-B Class I	III-A	IV NFPA 13R	□ V-A ■ V-B NFPA 13D	-
BASIC BUILD Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig	DING DATA Type:	CURRED PROPOSE II-A II-B II-B Class I	III-A	IV NFPA 13R	□ V-A ■ V-B NFPA 13D	
BASIC BUILD Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	III-A	□ IV NFPA 13R □ N Wet □ Dry □ No □ N	□ V-A ■ V-B NFPA 13D	
BASIC BUILD Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 II III Flood Hazard Area	□ IV NFPA 13R □ N Wet □ Dry □ No □ N	□ V-A ■ V-B NFPA 13D	
BASIC BUILD Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 II III Flood Hazard Area	□ IV NFPA 13R □ N Wet □ Dry □ No □ N	□ V-A ■ V-B NFPA 13D	
BASIC BUILI Construction (check all that Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	□ IV NFPA 13R □ N Wet □ Dry □ No □ Y	□ V-A ■ V-B NFPA 13D Ves	TTING
BASIC BUILI Construction (check all that sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	□ IV NFPA 13R □ N Wet □ Dry □ No □ N	□ V-A ■ V-B NFPA 13D	TTING
BASIC BUILI Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor 2nd Floor	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	IV NFPA 13R No	□ V-A ■ V-B NFPA 13D Ves	TTING
BASIC BUILD Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor 4th Floor 2nd Floor Mezzanine	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	IV NFPA 13R	□ V-A ■ V-B NFPA 13D Ves	TING
BASIC BUILI Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor 2nd Floor Mezzanine 1st Floor	DING DATA Type:	CURRED PROPOSE III-A III-B III-B Class II Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	IV NFPA 13R No	□ V-A ■ V-B NFPA 13D Ves	TTING A 100
BASIC BUILI Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor 4th Floor 2nd Floor Mezzanine 1st Floor Basement	DING DATA Type:	CURRE PROPOS II-A II-B II-B Class I Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	IV NFPA 13R No	V-A V-B NFPA 13D Ves UB-TOTAL CENTRAL PERMINATION OF THE PERMINAT	TING 100
BASIC BUILL Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor 2nd Floor Mezzanine 1st Floor	DING DATA Type:	CURRE PROPOS II-A II-B II-B Class I Primary)	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 III III III Flood Hazard Area NEW (SQ FT)	IV NFPA 13R	V-A V-B NFPA 13D Ves UB-TOTAL CENTRAL PERMINATION OF THE PERMINAT	17ING
BASIC BUILL Construction (check all that a Sprinklers: Standpipes: Fire District: Building Heig Gross Buildin FLOOR 6th Floor 5th Floor 4th Floor 2nd Floor Mezzanine 1st Floor Basement	DING DATA Type:	CURRED PROPOSE II-A II-B II-B	NT USE(S) (Ch. 3): SED USE(S) (Ch. 3): III-A III-B NFPA 13 II III III Flood Hazard Area NEW (SQ FT)	IV NFPA 13R No	V-A V-B NFPA 13D Ves UB-TOTAL CENTRAL PERMINATION OF THE PERMINAT	11 100 17 211
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ALLOWABLE AREA

Occupancy:
Assembly A-1 A-2 A-3 A-4 A-5 Business Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
Institutional [1-1
I-3 Condition 1 2 3 4 5
Mercantile Residential R-1 R-2 R-3 R-4
Storage S-1 Moderate S-2 Low High-piled R. JOHNSON
Utility and Miscellaneous Den Linclosed Repair Garage Utility and Miscellaneous
Accessory Occupancies: 07 28 2017
Assembly A-1 A-2 A-3 A-4 A-5 Business
Educational
Factory F-1 Moderate F-2 Low
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 I-3 I-4
Institutional
Mercantile
Residential R-1 R-2 R-3 R-4
Storage S-1 Moderate S-2 Low High-piled
Parking Garage Open Enclosed Repair Garage
Utility and Miscellaneous
Incidental Uses (Table 508.2.5):
Furnace room where any piece of equipment is over 400,000 Btu per hour input
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
Refrigerant machine room
☐ Hydrogen cutoff rooms, not classified as Group H
☐ Incinerator rooms
Paint shops, not classified as Group H, located in occupancies other than Group F
Laboratories and vocational shops, not classified as Group H. located in a Group E or I-2 occupancy
Laundry rooms over 100 square feet
Group I-3 cells equipped with padded surfaces
Group I-2 waste and linen collection rooms
☐ Waste and linen collection rooms over 100 square feet
Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-
ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
Rooms containing fire pumps
Group I-2 storage rooms over 100 square feet
Group I-2 commercial kitchens
Group I-2 laundries equal to or less than 100 square feet
Group I-2 rooms or spaces that contain fuel-fired heating equipment
Special Uses: 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424
425 426 427 AM 80L
pecial Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9
Aixed Occupancy: No Yes Separation: Hr. Exception:
Incidental Use Separation (508.2.5)
012 NC Administrative Code and Policies

limita constr Separ For ea each	tions for each or ruction, so deter ated Use (508.	f the applicable mined, shall ap 4) - See below ea of the occup he allowable fl	r the building size occupancies to pply to the entiry of area calculatory shall be solved area for each to the entiry of the entiry of the entiry of the entiry of the entire of the ent	the entire but re building. lations uch that the sur	on of the ratios a exceed 1. a exceed a	of the actual flo	pc 01
_			+ -		+	=	≤ 1.00
TORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
1	OFFICE	1,959 SF	9,000 SF		-	-	9,000 SF
a. Per	rea increases fro imeter which fro al Building Peri	onts a public w	6.2 are compute yay or open space	ed thus: ce having 20 fe (P)	et minimum w	idth =	_(F)

² The sprinkler increase per Section 506.3 is as follows: a. Multi-story building I_s = 200 percent

b. Single story building I_s = 300 percent

³ Unlimited area applicable under conditions of Section 507.

⁴ Maximum Building Area = total number of stories in the building x E (506.4).

⁵ The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT

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	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	TypeV	'-B	TypeV-B	
Building Height in Feet	40	Feet = H + 20' =	15	- I
Building Height in Stories	2 7 7 10 10	Stories + 1 =	1	

FIRE PROTECTION REQUIREMENTS

THE EXTERIOIR WALLS ARE NOT FIRE RATED. PER BUILDING DESIGN PARAMETERS NOTE 10 ON THE COVERSHEET OF THE PLANS, THE BULDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY TABLE 602 AND SECTION 705.3.

BUILDING ELEMENT	FIRE	THE REAL PROPERTY.	RATION DISTA	DETAIL#	DESIGN#	DESIGN# FOR	
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		N/A		White the			JOINTS
Bearing Walls	4 619	N/A			Zimmine.	-8 i - 1 - 2 i - 2 i	
Exterior	1-7-10	N/A	TA STATE		100000		
North		N/A	113.				
East		N/A					
West	5 m	N/A					
South		N/A	UTTV TT TE	CANTON THE			- 34
Interior	E 60 TO 1	N/A	2574				
Nonbearing Walls and Partitions Exterior walls		N/A			^	P. IOH	NCON
North		N/A	7 1			R. JOH	
East		N/A		-	EMO	APPR	OVED
West		N/A			-		2017
South	12.0	N/A	and the second			07 28	201/
Interior walls and partitions		N/A	Had a fee sign	and the same	Contraction of		
Floor Construction Including supporting beams and joists		N/A			Uban	F Officials	
Roof Construction Including supporting beams and joists		N/A		12.47.4	Company of		
Shaft Enclosures - Exit	N/A	N/A	to the same to	1000			
Shaft Enclosures - Other	N/A	N/A			Page.	Section For	
Corridor Separation		N/A			N/A		
Occupancy Separation	N/A	N/A			14/11		
Party/Fire Wall Separation	N/A	N/A					
Smoke Barrier Separation	N/A	N/A	ALL SECTION S	J.			
Tenant Separation	N/A	N/A		V to be to	-		
neidental Use Separation	N/A	N/A			3.3	37.9	

^{*} Indicate section number permitting reduction

	LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Panic Hardware:	No ■ Yes No ■ Yes No ■ Yes No ■ Yes No □ Yes No □ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: NOT INCLUDED WITHIN THE MODULAR BUILDING PLAN SET. TO BE PROVIDED BY THE PERMIT APPLICANT.

Fire and/or smoke rated wall locations (Chapter 7)

Assumed and real property line locations

2012 NC Administrative Code and Policies

ABLE
TOTAL
SIBLE UNITS OVIDED
LE: PROVI NER TOTAL# ACCESSIBLE PROVIDED

Importance Factors:

1.0 Wind (Iw) 1.0 Snow (Is)

1.0 Seismic (IE)

Live Loads:

20 psf Roof psf Mezzanine 50 psf Floor

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Ground Snow Load:

30 psf

	Wind Load	1:	Basic Win Exposure Wind Base	nd Speed Category e Shears (for	($\frac{0}{2}$ mph (A) Vx	SCE-7) = 22,397	Vy = _ 14,3	56
SFISA	AIC DESIGN	CATECO	ODV					and Starte	
					□ A [B 🔳	$C \square D$		
Flovide		Category esponse A ication (T D tural syste Bearing V Building	y (Table 16) cceleration able 1613.5 ata Source: em (check of Wall Frame Frame	04.5) n S _S 53.7 5.2)	%g Bld Test	C Presun Moment Fridiate R/C oum	A STATE OF	☐ F istorical Data	
	Analysis Pr Architectur	ocedure:		Simplified	E	quivalent I	ateral Force No	☐ Dynan	nic
LATE	RAL DESIGN			Earthquak		Wind			
SOIL B	BEARING CA	DACITI	EC.			F 11	man reeds		
							£	1	R. JOHNS
	Presumptive	rovide co	py of test re	eport)		2000 ps		/	
SPECL	Presumptive Pile size, typ AL INSPECT	Bearing of the e, and cap	capacity _ pacity _		Yes •	2000 ps		EMC	APPROVE 07 28 201
SPECIA	Presumptive Pile size, typ	Bearing of the e, and cap	capacity _ pacity _ EQUIRED:	BING FIXT		2000 ps No	of <	EMC	APPROVE
SPECIA	Presumptive Pile size, typ	Bearing on the second cap	capacity _ pacity _ EQUIRED:	BING FIXT	URE REBLE 2902.	2000 ps No QUIREME 1)	ENTS		APPROVE 07 28 201
	Presumptive Pile size, typ AL INSPECT	Bearing on the second cap	capacity _ pacity _ EQUIRED:	BING FIXT	URE REBLE 2902.	2000 ps No	of <	DRINKING	APPROVE 07 28 201
SPECIA	Presumptive Pile size, typ AL INSPECT USE EXISTING	Bearing of the company of the compan	PLUMI CLOSETS FEMALE	BING FIXT	TURE REBLE 2902.	2000 ps No QUIREME 1)	ENTS SHOWERS/		APPROVE 07 28 201
	Presumptive Pile size, typ AL INSPECT USE EXISTING NEW	Bearing one, and cap FIONS RE	eapacity _ pacity _ EQUIRED: PLUMI	BING FIXT (TAE	TURE REBLE 2902.	2000 ps No QUIREME 1)	ENTS SHOWERS/	DRINKING	APPROVE 07 28 201
	Presumptive Pile size, typ AL INSPECT USE EXISTING	Bearing of the company of the compan	PLUMI CLOSETS FEMALE	BING FIXT (TAE	TURE REBLE 2902.	2000 ps No QUIREME 1)	ENTS SHOWERS/	DRINKING REGULAR	APPROVE 07 28 201 GFOUNTAINS ACCESSIBLE
SPACE	Presumptive Pile size, typ AL INSPECT USE EXISTING NEW	WATER MALE	PLUMI RCLOSETS FEMALE 1 1	BING FIXT (TAE URINALS 0 0 SPECIAL	LAVA MALE 1 1 1	2000 ps No QUIREME 1) TORIES FEMALE 1 1	ENTS SHOWERS/TUBS	DRINKING REGULAR site-inst.	APPROVE 07 28 201 G FOUNTAINS ACCESSIBLE site-inst. 1

ENERGY SUMMARY

The following data shall be considered minimum and any special attribute required to meet the energy code shall

Method of Compliance: Prescriptive (Energy Code) (Energy Code) Performance (Energy Code) Perscriptive (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Description of assembly:	also be provided. Each Designer shall furnish the If performance method, state the annual energy of proposed design.	e required portions of the project information for the plan data sheet.
Prescriptive (Energy Code) (Energy Code) (Prescriptive (Energy Code) (Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1) Description of assembly:	Climate Zone: □ 3 ■ 4 □	5
Prescriptive (Energy Code) (Energy Code) (Prescriptive (Energy Code) (Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1) Description of assembly:	N. J. 166	
Performance (Energy Code) Prescriptive (ASHRAE 90.1) Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Performance (ASHRAE 90.1) Description of assembly:		
Performance (Energy Code) Prescriptive (ASHRAE 90.1) THERMAL ENVELOPE Roof/ceiling Assembly (each assembly) Description of assembly: U-Value of total assembly: U-Value of insulation: Skylights in each assembly: U-Value of total assembly: U-Value of insulation: R-40 Exterior Walls (each assembly) Description of assembly: U-Value of insulation: R-13 Openings (windows or doors with glazing) U-Value of insulation: Door R-Values: Door R-Values: Door R-Values: Door R-Values: Description of assembly: U-Value of total assembly: Description of assembly: U-Value of insulation: R-13 Openings (windows or doors with glazing) U-Value of insulation: Door R-Values: Door R-Values: Door R-Values: Door R-Values: Door R-Values: Door R-Values: R-30 Floors over unconditioned space (each assembly) R-Value of insulation: Floors slab on grade Description of assembly: U-Value of insulation: R-30 Floors over unconditioned space (each assembly) R-Value of insulation: R-30 Floors lab on grade Description of assembly: U-Value of insulation: Horizontal/vertical requirement:	_	(Compliance verified by Comcheck, and not
Prescriptive (ASHRAE 90.1) Performance (ASHRAE 90.1) Description of assembly:	Performance (Energy Co	do)
THERMAL ENVELOPE Roof/ceiling Assembly (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U-Value of skylight: total square footage of skylights in each assembly: U-Value of total assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: projection factor: Door R-Values: Walls below grade (each assembly: U-Value of total assembly: R-Value of insulation: Description of assembly: U-Value of total assembly: Solar heat gain coefficient: Openings (windows or doors with glazing) U-Values: Walls below grade (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation: Floors over unconditioned space (each assembly) Description of assembly: R-Value of total assembly: R-Value of total assembly: R-Value of total assembly: R-Value of insulation: Floors slab on grade Description of assembly: U-Value of total assembly: R-Value of insulation: Floors slab on grade Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement:	☐ Prescriptive (ASHRAE)	90.1)
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Description of assembly: U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U-Value of skylight: total square footage of skylights in each assembly: Exterior Walls (each assembly) Description of assembly: U-Value of total assembly: U-Value of insulation: Doenings (windows or doors with glazing) U-Value of assembly: Description of assembly: U-Value of or assembly: Description of assembly: Description of assembly: U-Value of or assembly: Door R-Values: Walls below grade (each assembly) Description of assembly: U-Value of insulation: Floors over unconditioned space (each assembly) Description of assembly: U-Value of total assembly: U-Value of insulation: Floors slab on grade Description of assembly: U-Value of insulation: Floors slab on grade Description of assembly: U-Value of insulation: Horizontal/vertical requirement:	THERMAL ENVELOPE	
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R-Value of insulation: Description of assembly:		APPROVED
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Description of assembly: U-Value of total assembly: R-Value of insulation: WD. JOIST, PLYWD. DECKING, INSUL. 0.033 R-30 Floors slab on grade Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement:	R-value of insulation:	07 28 2017
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Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement:	R-Value of insulation:	R-30
U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement:	Floors slab on grade	
R-Value of insulation: Horizontal/vertical requirement:		
Horizontal/vertical requirement:		
		2.70Fea./6
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	siab heated:	

ENERGY REQUIREMENTS:

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone		
winter dry bulb:	20	
summer dry bulb:	93	
Total 1 1 1 111		
Interior design conditions		
winter dry bulb:	72 78	
summer dry bulb:	50	
relative humidity:	30	R. JOHNSON
Building heating load: 62	,528 btuh	APPROVED
	EIV	07 28 2017
Building cooling load: 28	,300 btuh	07 28 2017
Mechanical Spacing Condition	oning System	
Unitary		
description of unit	: PACKAGED TERMINAL AC UNITS	
heating efficiency		
cooling efficiency		
size category of un	nit: (3) 3 TON UNITS	
Boiler		
	oversized, state reason.:	Action and the
Chiller		
Size category. If C	oversized, state reason.:	A THE PERSON N
List equipment efficiencies:	9.0 EER (SPVAC)	
List equipment efficiencies:	9.0 EER (SPVAC) ELECTRICAL SUMMARY	
List equipment efficiencies:	ELECTRICAL SUMMARY	
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Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tre type)	
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tre type) fixture	
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur lamp type required in number of lamps in fix	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tre type) fixture xture	
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur lamp type required in number of lamps in fix ballast type used in the	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tre type) fixture xture e fixture	
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur lamp type required in number of lamps in fix ballast type used in the number of ballasts in	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tre type) fixture exture e fixture fixture fixture	
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Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur lamp type required in number of lamps in fix ballast type used in the number of ballasts in total wattage per fixtu	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tive Performance tre type) fixture txture e fixture fixture re especified vs. allowed (whole building or space	by space)
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixtur lamp type required in number of lamps in fit ballast type used in th number of ballasts in total wattage per fixtu total interior wattage s total exterior wattage s	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tive Performance te type) fixture txture e fixture fixture fixture re specified vs. allowed (whole building or space) specified vs. allowed	by space)
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixture lamp type required in number of lamps in fix ballast type used in the number of ballasts in total wattage per fixture total interior wattage stotal exterior wattage: Additional Prescriptive Complex of Complex	ELECTRICAL SUMMARY IPMENT tive Performance tive Performance tre type) fixture exture e fixture fixture fixture re specified vs. allowed (whole building or space) specified vs. allowed	by space)
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixture lamp type required in number of lamps in fixed ballast type used in the number of ballasts in total wattage per fixture total interior wattage set total exterior wattage: Additional Prescriptive Complements of Soc. 2.1 More Efficiency.	ELECTRICAL SUMMARY IPMENT Live Performance tive Performance re type) fixture struce e fixture fixture re specified vs. allowed (whole building or space specified vs. allowed pliance cient Mechanical Equipment	by space)
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixture lamp type required in number of lamps in fixed ballast type used in the number of ballasts in total wattage per fixtue total interior wattage se total exterior wattage: Additional Prescriptive Complete Sol. 2.1 More Effice 506.2.2 Reduced L	ELECTRICAL SUMMARY IPMENT Live Performance tive Performance re type) fixture struce e fixture fixture re specified vs. allowed (whole building or space specified vs. allowed pliance cient Mechanical Equipment Lighting Power Density	by space)
Method of Compliance: Energy Code: Prescript ASHRAE 90.1: Prescript Lighting schedule (each fixture lamp type required in number of lamps in fixed ballast type used in the number of ballasts in total wattage per fixture total interior wattage stotal exterior wattage: Additional Prescriptive Complete Sob. 2.1 More Efficient Sob. 2.2 Reduced Lead of Sob. 2.3 Energy Reservices	ELECTRICAL SUMMARY IPMENT Live Performance tive Performance re type) fixture kture efixture fixture re specified vs. allowed (whole building or space specified vs. allowed pliance cient Mechanical Equipment Lighting Power Density covery Ventilation Systems	by space)
Method of Compliance: Energy Code: ASHRAE 90.1: Prescript Lighting schedule (each fixture lamp type required in number of lamps in fix ballast type used in the number of ballasts in total wattage per fixture total interior wattage stotal exterior	ELECTRICAL SUMMARY IPMENT Live Performance tive Performance re type) fixture struce e fixture fixture re specified vs. allowed (whole building or space specified vs. allowed pliance cient Mechanical Equipment Lighting Power Density	by space)