

LOAD SUMMARY				
LOAD	VOLT-AMPS	DEMAND FACTOR	VOLT-AMPS	
PEAK OF THE YEAR 8-2017	23000	1.25	28750	METER# 775 163 20
LIGHTS	540	1.25	675	1ST 10KVA @ 100% REMAINDER @ 50%
RECEPTACLES	180		180	
HVAC	2064		2064	
TOTAL FUTURE CAPACITY SERVICE - 208/120 VOLTS 3 PHASE 4W			31669	/1.73 X 208 = 88 AMPS 312 AMPS 400 AMPS

6 LOAD SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE	
Energy Code:	<input type="checkbox"/> PRESCRIPTIVE <input type="checkbox"/> PERFORMANCE
ASHRAE 90.1:	<input type="checkbox"/> PRESCRIPTIVE <input type="checkbox"/> PERFORMANCE
LIGHTING SCHEDULE	
lamp type required in fixture	See Lighting Schedule On Dwg. E-1
number of lamps in fixture	
ballast type used in the fixture	
number of ballast in fixture	
total wattage per fixture	
total interior wattage specified vs allowed 56 W VS 186 W (whole building or space by space)	
total exterior wattage specified vs allowed NA	
ADDITIONAL PRESCRIPTIVE COMPLIANCE	
<input type="checkbox"/> 506.2.1 More Efficient Mechanical Equipment <input type="checkbox"/> 506.2.2 Reduced Lighting Power Density <input type="checkbox"/> 506.2.3 Energy Recovery Ventilation Systems <input type="checkbox"/> 506.2.4 Higher Efficiency Service Water Heating <input type="checkbox"/> 506.2.5 On-Site Supply of Renewable Energy <input type="checkbox"/> 506.2.6 Automatic Daylighting Control Systems	
DESIGNER STATEMENT:	
To the best of my knowledge and belief, the design of this building complies with the thermal envelope requirements of the North Carolina State Building Code, 2012 Energy Conservation Code.	
NAME:	DAVID S. SMITH
TITLE:	ELECTRICAL ENGINEER

7 ENERGY CODE

ELECTRICAL LEGEND & EQUIPMENT SCHEDULE			
SYM	MNFR	CATALOG #	DESCRIPTION
Ⓢ	LEVITON	1221	20 AMP, 125V, SINGLE POLE, COLOR BY ARCH., MOUNT 48" ABOVE FLOOR TO TOP OF PLATE
Ⓢ3	LEVITON	1223	20 AMP, 125V, THREE WAY, COLOR BY ARCH., MOUNT 48" ABOVE FLOOR TO TOP OF PLATE
Ⓢ4	LEVITON	1224	20 AMP, 125V, FOUR WAY, COLOR BY ARCH., MOUNT 48" ABOVE FLOOR TO TOP OF PLATE
ⓈEX	LEVITON	5262	EXISTING RECEPTACLE
Ⓢ	LEVITON	5262	RECEPTACLE, 15 AMP, 125V, 3 WIRE, COLOR BY ARCH.
Ⓢ			DUPLEX RECEPTACLE, 20 AMP, 125V, 3 WIRE, COLOR BY ARCH., COVER PLATE, COLOR SELECTION BY ARCHITECT, MOUNTED 42" AFF OR 6 INCHES ABOVE BACKSPLASH
WP	LEVITON	WP-26	WEATHER PROOF RECEPTACLE COVER
GF	LEVITON		GROUND FAULT RECEPTACLE, 20 AMP, 120V, GRAY NYLON FACE, STAINLESS STEEL COVER PLATE, MOUNT 16" AFF OR AS NOTED
ⓈA	SEE FIXTURE SCHEDULE		
ⓈB	SEE FIXTURE SCHEDULE		
ⓈD	SEE FIXTURE SCHEDULE		
ⓈE	SEE FIXTURE SCHEDULE		
ⓈF	SEE FIXTURE SCHEDULE		
ⓈG	SEE FIXTURE SCHEDULE		
ⓈH	SEE FIXTURE SCHEDULE		
ⓈI	SEE FIXTURE SCHEDULE		
ⓈJ	SEE FIXTURE SCHEDULE		
ⓈK	SEE FIXTURE SCHEDULE		
ⓈL	SEE FIXTURE SCHEDULE		
ⓈM	SEE FIXTURE SCHEDULE		
ⓈN	SEE FIXTURE SCHEDULE		
ⓈO	SEE FIXTURE SCHEDULE		
ⓈP	SEE FIXTURE SCHEDULE		
ⓈQ	SEE FIXTURE SCHEDULE		
ⓈR	SEE FIXTURE SCHEDULE		
ⓈS	SEE FIXTURE SCHEDULE		
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ⓈU	SEE FIXTURE SCHEDULE		
ⓈV	SEE FIXTURE SCHEDULE		
ⓈW	SEE FIXTURE SCHEDULE		
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ⓈLA	SEE FIXTURE SCHEDULE		
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