

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

LEAD DESIGN PROFESSIONAL:		DENNIS E. YATES, AIA			
DESIGNER	FIRM	NAME	LICENSE	PHONE	E-Mail
ARCHITECTURAL:	YCH ARCHITECTS	DENNIS E. YATES, AIA	SS-0008587	(704) 788-2000	
CIVIL/SITE DEVELOPMENT:	N/A				
ELECTRICAL:	STURGILL ENGINEERING	RANDALL W. STURGILL, PE	21365	(336) 238-1249	
FIRE ALARM:	N/A				
PLUMBING:	BOWERS CONSULTING	MICHAEL D. BOWERS, PE	21373	(704) 630-0075	
MECHANICAL:	BOWERS CONSULTING	MICHAEL D. BOWERS, PE	21373	(704) 630-0075	
SPRINKLER-STANDPIPE:	N/A				
STRUCTURAL:	CURTIS L. ENSLEY, PE	CURT ENSLEY, PE	23779	(704) 225-0079	
RETAINING WALLS >6" HIGH:	N/A				
OTHER:	N/A				

BASIC BUILDING DATA:			
CONSTRUCTION TYPE:			
(check all that apply)			
<input type="checkbox"/> I-A	<input type="checkbox"/> II-A	<input type="checkbox"/> III-A	<input type="checkbox"/> IV
<input type="checkbox"/> I-B	<input checked="" type="checkbox"/> II-B	<input type="checkbox"/> III-B	<input type="checkbox"/> V-A
			<input type="checkbox"/> V-B
SPRINKLERS:			
<input type="checkbox"/> NO	<input type="checkbox"/> PARTIAL	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NFPA 13
			<input type="checkbox"/> NFPA 13R
STANDPIPS:			
<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	CLASS <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	<input type="checkbox"/> WET <input type="checkbox"/> DRY
FIRE DISTRICT:			
<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES (Primary)	FLOOD HAZARD AREA:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
BUILDING HEIGHT: (Feet) <u>32</u>			
GROSS BUILDING AREA:			
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL (SQ FT)
6th FLOOR			
5th FLOOR			
4th FLOOR			
3rd FLOOR			
2nd FLOOR			
MEZZANINE			
1st FLOOR	37,997 SF		37,997 SF
BASEMENT			
TOTAL	37,997 SF		37,997 SF

OCCUPANCY:										
ASSEMBLY	<input type="checkbox"/> A-1	<input type="checkbox"/> A-2	<input type="checkbox"/> A-3	<input type="checkbox"/> A-4	<input type="checkbox"/> A-5					
BUSINESS	<input type="checkbox"/>									
EDUCATIONAL	<input type="checkbox"/>									
FACTORY	<input type="checkbox"/> F-1	MODERATE	<input type="checkbox"/> F-2	LOW						
HAZARDOUS	<input type="checkbox"/> H-1	DETONATE	<input type="checkbox"/> H-2	DEFLAGRATE	<input type="checkbox"/> H-3	COMBUST	<input type="checkbox"/> H-4	HEALTH	<input type="checkbox"/> H-5	HPM
INSTITUTIONAL	<input type="checkbox"/> I-1	<input type="checkbox"/> I-2	<input type="checkbox"/> I-3	<input type="checkbox"/> I-4						
	I-3	CONDITION	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5			
MERCANTILE	<input checked="" type="checkbox"/> X									
RESIDENTIAL	<input type="checkbox"/> R-1	<input type="checkbox"/> R-2	<input type="checkbox"/> R-3	<input type="checkbox"/> R-4						
STORAGE	<input type="checkbox"/> S-1	MODERATE	<input type="checkbox"/> S-2	LOW	<input type="checkbox"/>	HIGH-PILED				
	<input type="checkbox"/>	PARKING GARAGE	<input type="checkbox"/> OPEN	<input type="checkbox"/> ENCLOSED	<input type="checkbox"/>	REPAIR GARAGE				
UTILITY & MISCELLANEOUS	<input type="checkbox"/>									

  

ACCESSORY OCCUPANCIES:										
ASSEMBLY	<input type="checkbox"/> A-1	<input type="checkbox"/> A-2	<input type="checkbox"/> A-3	<input type="checkbox"/> A-4	<input type="checkbox"/> A-5					
BUSINESS	<input type="checkbox"/>									
EDUCATIONAL	<input type="checkbox"/>									
FACTORY	<input type="checkbox"/> F-1	MODERATE	<input type="checkbox"/> F-2	LOW						
HAZARDOUS	<input type="checkbox"/> H-1	DETONATE	<input type="checkbox"/> H-2	DEFLAGRATE	<input type="checkbox"/> H-3	COMBUST	<input type="checkbox"/> H-4	HEALTH	<input type="checkbox"/> H-5	HPM
INSTITUTIONAL	<input type="checkbox"/> I-1	<input type="checkbox"/> I-2	<input type="checkbox"/> I-3	<input type="checkbox"/> I-4						
	I-3	CONDITION	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5			
MERCANTILE	<input type="checkbox"/>									
RESIDENTIAL	<input type="checkbox"/> R-1	<input type="checkbox"/> R-2	<input type="checkbox"/> R-3	<input type="checkbox"/> R-4						
STORAGE	<input type="checkbox"/> S-1	MODERATE	<input type="checkbox"/> S-2	LOW	<input type="checkbox"/>	HIGH-PILED				
	<input type="checkbox"/>	PARKING GARAGE	<input type="checkbox"/> OPEN	<input type="checkbox"/> ENCLOSED	<input type="checkbox"/>	REPAIR GARAGE				
UTILITY & MISCELLANEOUS	<input type="checkbox"/>									

INCIDENTAL USES: (Table 509)

- ☐ FURNACE ROOMS 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 MACHINERY ROOM
- ☐ HYDROGEN FUEL GAS ROOMS, NOT CLASSIFIED AS GROUP H
- ☐ INCINERATOR ROOMS
- ☐ PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F
- ☐ IN GROUP E OCCUPANCIES, LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H
- ☐ IN GROUP 1-2 OCCUPANCIES, LABORATORIES NOT CLASSIFIED AS GROUP H
- ☐ IN AMBULATORY CARE FACILITIES, LABORATORIES NOT CLASSIFIED AS GROUP H
- ☐ LAUNDRY ROOMS OVER 100 SQUARE FEET
- ☐ IN GROUP 1-2, LAUNDRY ROOMS OVER 100 SQUARE FEET
- ☐ GROUP 1-3 CELLS AND 1-2 PATIENT ROOMS EQUIPPED WITH PADDED SURFACES
- ☐ GROUP 1-2 PHYSICAL PLANT MAINTENANCE SHOPS
- ☐ IN AMBULATORY CARE FACILITIES AND GROUP 1-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS WITH CONTAINERS THAT HAVE AN AGGREGATE VOLUME OF 10 CUBIC FEET OR GREATER
- ☐ IN OTHER THAN AMBULATORY CARE FACILITIES AND GROUP 1-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET
- ☐ IN AMBULATORY CARE FACILITIES AND GROUP 1-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET
- ☐ STATIONARY STORAGE BATTERY SYSTEMS HAVING LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION LITHIUM-ION CAPACITY OF 1,000 POUNDS USED FOR FACILITY STAND-BY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES ROOMS CONTAINING FIRE PUMPS

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

SPECIAL PROVISIONS:    ☐ NO    ☐ YES  
 MIXED OCCUPANCY:    ☒ NO    ☐ YES      SEPARATION \_\_\_\_\_ HR.      EXCEPTION: \_\_\_\_\_  
☐ INCIDENTAL USE/SEPARATION (508.2.5)

☐ NON-SEPARATED MIXED OCCUPANCY (508.3)  
 THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.

☐ SEPARATED MIXED OCCUPANCY (508.4) – SEE BELOW FOR AREA CALCULATIONS.    FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.

ACTUAL AREA OF OCCUPANCY A	+	ACTUAL AREA OF OCCUPANCY B	≤ 1
ALLOWABLE AREA OF OCCUPANCY A		ALLOWABLE AREA OF OCCUPANCY B	
N/A	+	N/A	= ≤ 1

1. FRONTAGE AREA INCREASES FROM SECTION 506.3 ARE COMPUTED THUS:  
 A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = \_\_\_\_\_ (F)  
 B. TOTAL BUILDING PERIMETER = \_\_\_\_\_ (P)  
 C. RATIO (F/P) = \_\_\_\_\_  
 D. W = MINIMUM WIDTH OF PUBLIC WAY = \_\_\_\_\_ (W)  
 E. PERCENT OF FRONTAGE INCREASE  $I_f = 100(F/P - 0.25) \times W$  = \_\_\_\_\_ (%)

2. THE SPRINKLER INCREASE PER TABLE 506.2 IS AS FOLLOWS:  
 A. MULTI-STORY BUILDING  $I_s = 200$  PERCENT  
 B. SINGLE STORY BUILDING  $I_s = 300$  PERCENT  
 TABLE 503 ALLOWABLE AREA  $\frac{12,500}{I_s} \times I_s = \frac{37,500}{I_s}$

3. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.

4. MAX. BLDG AREA = TOTAL NUMBER OF STORIES IN BUILDING X E (500 S.F.).

5. THE MAXIMUM AREA OF OPEN PARKING SPACES MUST COMPLY WITH 406.5.4. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH 412.3.

FIRE PROTECTION REQUIREMENTS:							
BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING		DETAIL # SHEET #	DESIGN FOR RATED ASSEMBLY #	DESIGN FOR RATED PENETRATION #	DESIGN FOR RATED JOINTS #
		REQ'D	PROVIDED (W/ REDUCTION)				
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES		N/A	N/A	N/A	N/A	N/A	N/A
BEARING WALLS							
EXTERIOR							
NORTH	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
EAST	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
WEST	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
SOUTH	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
INTERIOR		N/A	N/A	N/A	N/A	N/A	N/A
NON BEARING WALLS AND PARTITIONS							
EXTERIOR WALLS							
NORTH	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
EAST	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
WEST	>10'-0"	N/A	N/A	N/A	N/A	N/A	N/A
SOUTH	>10'-0"	0	N/A	N/A	N/A	N/A	N/A
INTERIOR WALLS & PARTITIONS		0	N/A	N/A	N/A	N/A	N/A
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS			N/A	N/A	N/A	N/A	N/A
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	N/A	N/A	N/A	N/A	N/A
SHAFT ENCLOSURES – EXIT		N/A	N/A	N/A	N/A	N/A	N/A
SHAFT ENCLOSURES – OTHER		0	N/A	N/A	N/A	N/A	N/A
CORRIDOR SEPARATION		0	N/A	N/A	N/A	N/A	N/A
OCCUPANCY SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
PARTY/FIRE WALL SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
SMOKE BARRIER SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
TENANT SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A
INCIDENTAL USE SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A

LIFE SAFETY SYSTEM REQUIREMENTS:

EMERGENCY LIGHTING:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
EXIT SIGNS:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
FIRE ALARM:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
SMOKE DETECTION SYSTEMS:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
PANIC HARDWARE:	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES

☐ PARTIAL \_\_\_\_\_

LIFE SAFETY PLAN SHEET #: SEE SHEET G1.03 FOR EXISTING CONDITIONS (PER 2012 INTERNATIONAL BUILDING CODE)

N/A ☐ Fire and/or smoke rated wall locations (Chapter 7)  
 N/A ☐ Assumed and real property line locations  
 N/A ☐ Exterior wall opening area with respect to distance to assumed property line (705.8)  
 NONE ☒ Existing structures within 30' of the proposed building  
 N/A ☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)  
 N/A ☒ Occupant load for each area  
 N/A ☒ Exit access travel distances (1017)  
 N/A ☒ Common paths of travel distances (1029.8)  
 N/A ☒ Dead end lengths (1020.4)  
 N/A ☒ Clear exit widths for each exit door  
 N/A ☒ Maximum calculated occupant load capacity each door can accommodate based on egress width (1010.1)  
 N/A ☒ Actual occupant load for each door  
 N/A ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for  
     purpose of occupancy separation  
 N/A ☒ Location of doors with panic hardware (1010.1.10)  
 N/A ☒ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)  
 N/A ☒ Location of doors with electromagnetic egress locks (1010.1.9.8)  
 N/A ☐ Location of doors equipped with hold-open devices  
 N/A ☐ Location of emergency escape windows (1030)  
 N/A ☐ The square footage of each fire area (903)  
 N/A ☐ The square footage of each smoke compartment (709)  
 N/A ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS							
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

**NOT APPLICABLE - NO DWELLING UNITS**

ACCESSIBLE PARKING						
LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL ACCESSIBLE UNITS PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	132" ACCESS AISLE	8" ACCESS AISLE	
TOTAL						

PLUMBING FIXTURE REQUIREMENTS									
USE		WATERCLOSETS 1:500		URINALS	LAVATORIES 1:750		SHOWERS /TUBS	DRINKING FOUNTAINS 1:10	
968 TOTAL OCCUPANCY /2 = 484		MALE	FEMALE	67% MAX.	MALE	FEMALE		REGULAR	ACCESSIBLE
SPACE	EXISTING / PROVIDED	2	3	1	2	2	N/A	2	1
	NEW	---	---	---	---	---	N/A	0	0
	REQUIRED	1	1	0	1	1	N/A	1	1

**SPECIAL APPROVAL:** (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, ICC, ETC., DESCRIBE BELOW)  
**NONE**

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**STRUCTURAL DESIGN**

**DESIGN LOADS:**

**IMPORTANCE FACTORS:** WIND  $(I_w)$  \_\_\_\_\_  
 SNOW  $(I_s)$  \_\_\_\_\_  
 SEISMIC  $(I_e)$  \_\_\_\_\_

**LIVE LOADS:** ROOF \_\_\_\_\_ PSF  
 MEZZANINE \_\_\_\_\_ PSF  
 FLOOR \_\_\_\_\_ PSF

**GROUND SNOW LOAD:** \_\_\_\_\_ PSF

**WIND LOAD:** BASIC WIND SPEED \_\_\_\_\_ (ASCE)  
 EXPOSURE CATEGORY \_\_\_\_\_  
 WIND BASE SHEARS (FOR MWFRS)  $V_x$  \_\_\_\_\_  $V_y$  \_\_\_\_\_

**SEISMIC DESIGN CATEGORY:** ☐ A ☐ B ☐ C ☐ D

**PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:**

RISK CATEGORY (TABLE 1604.5) ☐ I ☐ II ☐ III ☐ IV

SPECTRAL RESPONSE ACCELERATION  $S_s$  \_\_\_\_\_  $S_1$  \_\_\_\_\_

SITE CLASSIFICATION (Chapter 20 of ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

DATA SOURCE: ☐ TEST ☐ ANALYST ☐ PRESUMPTIVE ☐ HISTORICAL DATA

**BASIC STRUCTURAL SYSTEM (CHECK ONE)**

☐ BEARING WALL ☐ DUAL W/ SPECIAL MOMENT FRAME  
☐ BUILDING FRAME ☐ DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL  
☐ MOMENT FRAME ☐ INVERTED PENDULUM

**SEISMIC BASE SHEAR:**  $V_y$  = \_\_\_\_\_

**ANALYSIS PROCEDURE:** ☐ SIMPLIFIED ☐ EQUIVALENT LATERAL FORCE ☐ MODAL

**ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED?** ☐ YES ☐ NO

**LATERAL DESIGN CONTROL:** EARTHQUAKE ☐ WIND ☐

**SOIL BEARING CAPACITIES:**

Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing Capacity \_\_\_\_\_ psf  
 Pile size, type and capacity \_\_\_\_\_

**SPECIAL INSPECTIONS REQUIRED:** ☐ YES ☒ NO

**ENERGY SUMMARY**

**ENERGY REQUIREMENTS:**

THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.

CLIMATE ZONE: ☐ 3 ☐ 4 ☐ 5

**METHOD OF COMPLIANCE:**

☐ PRESCRIPTIVE (ENERGY CODE)  
☐ PERFORMANCE (ENERGY CODE)  
☐ PRESCRIPTIVE (ASHRAE 90.1)  
☐ PERFORMANCE (ASHRAE 90.1)

**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: \_\_\_\_\_

**EXTERIOR WALLS (EACH ASSEMBLY)**

DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
 U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
 R-VALUE OF INSULATION: \_\_\_\_\_  
 OPENINGS (WINDOWS & DOORS INCLUDING GLAZING): \_\_\_\_\_  
 U-VALUE OF ASSEMBLY: \_\_\_\_\_  
 SOLAR HEAT GAIN COEFFICIENT: \_\_\_\_\_  
 PROVISION FACTOR: \_\_\_\_\_  
 DOOR R-VALUE: \_\_\_\_\_

**WALLS BELOW GRADE (EACH ASSEMBLY)**

DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
 U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
 R-VALUE OF INSULATION: \_\_\_\_\_

**FLOORS OF UNCONDITIONED SPACE (EACH ASSEMBLY)**

DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
 U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
 R-VALUE OF INSULATION: \_\_\_\_\_

**FLOORS SLAB-ON-GRADE**

DESCRIPTION OF ASSEMBLY: \_\_\_\_\_  
 U-VALUE OF TOTAL ASSEMBLY: \_\_\_\_\_  
 U-VALUE OF INSULATION: \_\_\_\_\_  
 HORIZONTAL/VERTICAL REQUIREMENT: \_\_\_\_\_  
 SLAB HEATED: \_\_\_\_\_

**MECHANICAL SUMMARY**

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**

**THERMAL ZONE:**

WINTER DRY BULB: \_\_\_\_\_

SUMMER DRY BULB: \_\_\_\_\_

**INTERIOR DESIGN CONDITIONS:**

WINTER DRY BULB: \_\_\_\_\_

SUMMER DRY BULB: \_\_\_\_\_

RELATIVE HUMIDITY: \_\_\_\_\_

**BUILDING HEATING LOAD:** \_\_\_\_\_

**BUILDING COOLING LOAD:** \_\_\_\_\_

**MECHANICAL SPACING/CONDITIONING SYSTEM:**

UNIT TAG:						
DESCRIPTION OF UNIT:						
HEATING EFFICIENCY (HSPF):						
COOLING EFFICIENCY (SEER):						
SIZE CATEGORY OF UNIT:						

**BOILER:**

SIZE CATEGORY IF OVERSIZED, STATE REASON: \_\_\_\_\_

**CHILLER:**

SIZE CATEGORY IF OVERSIZED, STATE REASON: \_\_\_\_\_

**LIST EQUIPMENT EFFICIENCIES:** \_\_\_\_\_

**ELECTRICAL SYSTEM AND EQUIPMENT:**  
**METHOD OF COMPLIANCE:**  
ENERGY CODE:    ☐ PRESCRIPTIVE    ☐ PERFORMANCE  
ASHRAE 90.1:    ☐ PRESCRIPTIVE    ☐ PERFORMANCE

# SEE ELECTRICAL DRAWINGS

**LIGHTING SCHEDULE (EACH FIXTURE TYPE):**

LAMP TYPE REQUIRED IN FIXTURE:

NUMBER OF LAMPS IN FIXTURE:

BALLAST TYPE USED IN THE FIXTURE:

NUMBER OF BALLASTS IN FIXTURE:

TOTAL WATTAGE PER FIXTURE:

TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED (BUILDING AREA METHOD OR SPACE BY SPACE METHOD):

TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED:

**ADDITIONAL PRESCRIPTIVE COMPLIANCE (PER INTERNATIONAL ENERGY CONSERVATION CODE 2015)**

- ☐ C403.2.3 HVAC EQUIPMENT PERFORMANCE REQUIREMENTS
- ☐ C406.3.1 REDUCED LIGHTING POWER DENSITY
- ☐ C403.2.6 ENERGY RECOVERY VENTILATION SYSTEMS
- ☐ C404 SERVICE WATER HEATING
- ☐ C406.4 ON-SITE SUPPLY OF RENEWABLE ENERGY
- ☐ C405.2.2.3.2 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS



## Professional Seals



**Interior Alteration For:**



30214 Sussex Hwy  
Laurel, DE 19956

Store No.  
1458

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Project No.:

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File Name:

8 G1.02\_00.dwg

Revisions:

APPENDIX B

Architectural

## G1.02

YCH Commission Number

19018.00

7035 Northwinds Dr NW

Concord, NC 28027

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