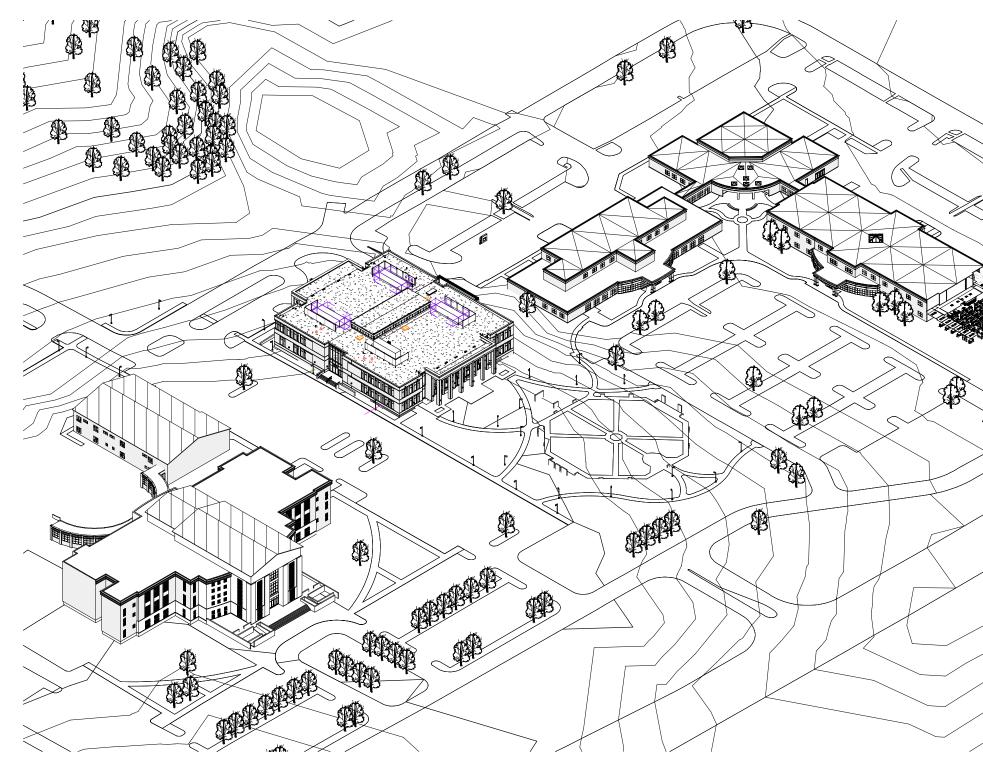
# HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

307 W Cornelius Harnett Blvd, Lillington, NC

CONSTRUCTION DOCUMENTS - 06/28/19







VICINITY PLAN

1" = 400'-0"

**OWNER Harnett County** 307 West Cornelius Harnett Blvd

Lillington, NC

910-893-7555

STEVE WARD

**ARCHITECT** LITTLE 410 Blackwell Street Durham, NC 27701 919-474-2500 ERIC SCHOENAGEL,

CIVIL Dewberry 2610 Wycliff Road Raleigh, NC 27607 919-424-3730

**MATT WEST, PE** 

LANDSCAPE Dewberry 2610 Wycliff Road Raleigh, NC 27607 984-833-4833 **BENTLEY RUGGLES,** RLA

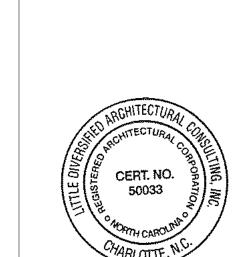
**STRUCTURAL** LITTLE 410 Blackwell Street Durham, NC 27701 919-474-2500 SARAH MUSSER, PE

**PLUMBING** Dewberry 2610 Wycliff Road Raleigh, NC 27607 919-424-3728 **EMMETT WILLIS, PE**  **MECHANICAL** Dewberry 2610 Wycliff Road Raleigh, NC 27607 984-232-6803

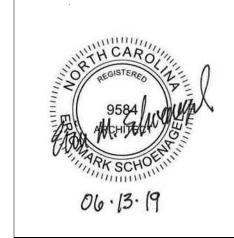
**JOHN TEETER, PE** 

**ELECTRICAL** Dewberry 2610 Wycliff Road Raleigh, NC 27607 919-424-3724

**WILLIAM KEMP, PE** 



Dewberry



HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

514-8066-00

SHEET TITLE COVER SHEET

L614

LANDSCAPE DETAILS

**ABBREVIATIONS** 

FACE OF GLASS

Abbr.	Abbreviated Phrase	Abbr.	Abbreviated Phrase	Abbr.	Abbreviated Phrase
ACT	ACOUSTIC CEILING TILE	FOS	FACE OF SHEATHING	PED	PEDESTAL, PEDESTRIAN, PEDIATRI
ADA	AMERICANS WITH DISABILITIES ACT	FR	FIRE RETARDANT TREATED	PERF	PERFORATE(D)
<b>A</b> DJ	ADJUSTABLE	FT	FOOT, FEET	PFB	PREFABRICATE(D)
AED	AUTOMATED EXTERNAL	FURR	FURR(ED), (ING)	PFN	PREFINISH(ED)
	DEFIBRILLATOR	FUT	FUTURE	PL, PLAM	PLASTIC LAMINATE
٩FF	ABOVE FINISH FLOOR	FWC	FABRIC WALL COVERING	PLAS	PLASTER, PLASTIC
٩L	ALUMINUM	FWP	FABRIC WRAPPED PANEL	PLWD	PLYWOOD
ALT	ALTERNATE	FVVF	FABRIC WRAFFED FAINEL		
AMC	ACOUSTICAL METAL CEILING	0.4	041105	PNL	PANEL
		GA	GAUGE	PNT	PAINT(ED)
APPROX	APPROXIMATE	GALV	GALVANIZED	PR	PAIR
ARCH	ARCHITECT(URAL)	GB	GLASS BOARD	PT	PRESSURE TREAT(ED)
AWC	ACOUSTICAL WOOD CEILING	GC	GENERAL CONTRACTOR	PTN	PARTITION
		GL	GLASS, GLAZING		
BBD	BULLETIN BOARD	GR	GROUT	QT	QUARRY TILE, QUART
3D	BOARD	GRAN	GRANITE		
30	BOTTOM OF	GWB	GYPSUM WALL BOARD	RB	RUBBER BASE
BOT	BOTTOM	GYP	GYPSUM	RBT	RUBBER TILE
501	BOTTOM	GIF	GTPSUM		
2/1 01	OFNITEDI INIE			REC	RECEPTACLE
C/L, CL	CENTERLINE	HC	HOLLOW CORE	REF	REFERENCE, REFER
CAB	CABINET	HD	HAND DRYER	REFR	REFRIGERATOR
CC	CUBICLE CURTAIN	HDR	HEADER	REM	REMOVE
CIR	CIRCLE	HDW	HARDWARE	REQ'D	REQUIRED
CLG	CEILING	HGT	HEIGHT	RM	ROOM
CLOS	CLOSET	HORIZ	HORIZONTAL(LY)	RS	RESILIENT
CLR	CLEAR(ANCE)		HOUR	110	NEOILIENT
COL	COLUMN	HR		005	CLIELE AND DOD
		HVAC	HEATING, VENTILATION, AND AIR	S&R	SHELF AND ROD
CON,	CONCRETE		CONDITIONING	SCW	SOLID CORE WOOD
CONC		HWD	HARDWOOD	SECT	SECTION
CONST	CONSTRUCTION			SF	SQUARE FEET
CONT	CONTINUOUS / CONTINUE	IBC	INTERNATIONAL BUILDING CODE	SFRM	SPRAYED FIRE RESISTIVE MATERIA
CONTR	CONTRACTOR	ID	INSIDE DIAMETER	SHR	SHOWER
COORD	COORDINATE	INCL	INCLUDE(D), (ING)	SIM	SIMILAR
CPT	CARPET	INSUL	INSULATE(D), (ING)		
CRB	COVED RUBBER BASE	INT	INTERIOR	SPEC	SPECIFICATION(S)
CT	CERAMIC OR PORCELAIN TILE	IIN I	INTERIOR	SS	STAINLESS STEEL
				SSM	SOLID SURFACE MATERIAL
CTR	CENTER	JAN	JANITOR'S CLOSET	ST	STONE
		JT	JOINT	STD	STANDARD
)	DRYER			STOR	STORAGE
OBL	DOUBLE	KIT	KITCHEN	SUSP	SUSPENDED
DEG	DEGREE	KPL	KICK PLATE		SUSPENDED CEILING
DEMO	DEMOLISH / DEMOLITION			SV	SHEET VINYL
DET, DTL	DETAIL	L	LENGTH	SYS	
DIA	DIAMETER	LAM	LAMINATE(D)	313	SYSTEM
DIM	DIMENSION		• *		
		LBL	LABEL	TEMP	TEMPERED, TEMPORARY
DR DR	DOOR	LCKR	LOCKER	TME	TO MATCH EXISTING
os	DOWNSPOUT	LIN	LINOLEUM	TYP	TYPICAL
DWG	DRAWING(S)	LT	LIGHT		
OWN	DOWN	LVL	LAMINATED VENEER LUMBER	UNO	UNLESS NOTED OTHERWISE
OWR	DRAWER	LVT	LUXURY VINYL TILE	5115	S.LEGG. NOTED STILL (WIGE
		_••		\/D	VINVI DACE
ΞΑ	EACH	MATL	MATERIAL (S)	VB	VINYL BASE
EL	ELEVATION		MATERIAL(S)	VCT	VINYL COMPOSITE TILE
		MAX	MAXIMUM	VERT	VERTICAL(LY)
ELEC	ELECTRICAL	MB	MARKER BOARD	VIF	VERIFY IN FIELD
ELEV	ELEVATOR	MECH	MECHANICAL	VIN	VINYL
EOS	EDGE OF SLAB	MFR	MANUFACTURE(R)	VT	VINYL TILE
ΞP	EPOXY FLOORING	MIN	MINIMUM	VWC	VINYL WALL COVERING
ΞQ	EQUAL(LY)	MISC	MISCELLANEOUS	V V V O	WALL OUVERNING
= QPT	EQUIPMENT	MP	METAL PANEL	147	MUDTH
=W	EACH WAY			W	WIDTH
	ELECTRIC WATER COOLER	MTD	MOUNTED	W/	WITH
EWC		MTL	METAL	W/O	WITHOUT
EXIST	EXISTING	MULL	MULLION	WB	WOOD BASE
EXP	EXPANSION	MWK	MILLWORK	WC	WATER CLOSET
ΞXΤ	EXTERIOR			WD	WOOD
		N	NORTH	WGT	WEIGHT
FAAP	FIRE ALARM ANNUNCIATOR PANEL	NIC	NOT IN CONTRACT		
FBO	FURNISHED BY OTHERS			WIN	WINDOW
		NO, #	NUMBER	WTW	WALL TO WALL
=E	FIRE EXTINGUISHER	NR	NOISE REDUCTION		
FEC	FIRE EXTINGUISHER CABINET	NRC	NOISE REDUCTION COEFFICIENT		
=F	FINISH FLOOR	NTS	NOT TO SCALE		
ΞIN	FINISH(ED)	-			
 FLR	FLOOR(ING)	ОС	ON CENTER		
FLUOR	` '		ON CENTER		
	FLUORESCENT	OFF	OFFICE		
=O	FACE OF	ОН	OPPOSITE HAND		
FOB	FACE OF BRICK	OPNG	OPENING		
OG	FACE OF GLASS				

**GENERAL NOTES** 

A. WHERE NEW PARTITION ALIGNS WITH THE FACE OF AN EXISTING

B. ALL EXISTING WALL SURFACES AND PARTITIONS TO REMAIN SHALL

BE PATCHED, SPACKLED AND SANDED SMOOTH SO AS NOT TO

CODE. PROVIDE DRAWING SHOWING NUMBER, LOCATION, AND

SPECIFICATION OF SUCH DEVICES FOR L&AA REVIEW PRIOR TO

FRAMING OF WALLS. DO NOT PLACE IN FIRE RATED PARTITIONS.

D. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS WHICH

INCLUDE THE OWNER/CONTRACTOR AGREEMENT, THE PROJECT

MANUAL (WHICH CONTAINS THE GENERAL CONDITIONS, AND THE

E. THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS AND VERIFY ALL

DIMENSIONS AND FIELD CONDITIONS AND SHALL CONFIRM THAT

WORK IS BUILDABLE AS SHOWN. ANY CONFLICTS OR OMISSIONS

SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR

CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN

F. CONTRACTOR SHALL COORDINATE WITH TENANT THE SCHEDULE

G. "ALIGN" SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE

H. CONTRACTOR SHALL COORDINATE AND PROVIDE METAL BACKING

ALL WORK NOTED "BY OTHERS" OR "NIC" SHALL BE PROVIDED BY

. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. ALL

K. ALL PARTITIONS ARE DIMENSIONED FROM FINISH FACE TO FINISH

FACE, UNLESS OTHERWISE NOTED. ALL DIMENSIONS MARKED "CLEAR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS

OF ALL FINISHES INCLUDING CARPET, CERAMIC TILE, VCT, ETC.

. PARTITIONS AT BUILDING PERIMETER SHALL BE CENTERED ON CENTER LINE OF COLUMN OR WINDOW MULLION, UNLESS

M. COLUMN CENTER LINES (OR GRID LINES) ARE SHOWN FOR

N. PARTITION TYPES ENCLOSING ROOMS AND SPACES SHALL BE

O. PROVIDE ACOUSTICAL CAULKING AROUND ALL PERIMETER EDGES

AND/OR PENETRATIONS AT SOUND INSULATED WALLS. OFFSET

DIMENSIONING, VERIFY EXACT LOCATIONS IN FIELD.

CONTINUOUS THROUGHOUT ENTIRE ROOM OR SPACE.

PARTITION LOCATIONS, DIMENSIONS AND TYPES, ALL DOOR AND

WINDOW LOCATIONS SHALL BE AS SHOWN ON PARTITION PLAN. IN

CASE OF CONFLICT, NOTIFY ARCHITECT; PARTITION PLAN BY DESIGN

PLATES OR SOLID WOOD BLOCKING (FIRE TREATED) IN PARTITIONS AND CEILING FOR ALL MILLWORK, WALL AND CEILING ATTACHED

FOR ALL TELEPHONE COMPANY AND DATA INSTALLATIONS.

SPECIFICATIONS), THE DRAWINGS AND ALL ADDENDA AND

LEAVE ANY EVIDENCE OF DEMOLITION OR REPAIR WORK. PREPARE

DETECTORS, AND ALL OTHER LIFE SAFETY DEVICES AS REQUIRED BY

SPACKLE NEW PARTITION TO EXISTING GYPSUM BOARD.

C. PROVIDE RECESSED FIRE EXTINGUISHER CABINETS, SMOKE

SURFACES FOR NEW FINISHES AS REQUIRED.

MODIFICATIONS ISSUED BY THE ARCHITECT.

ITEMS AS REQUIRED BY EACH SPECIFIC ITEM.

INTENT ARCHITECT SUPERSEDES OTHER PLANS.

OWNER OR UNDER SEPARATE CONTRACT.

SAME PLANE.

OTHERWISE NOTED.

FURRED COLUMN OR PARTITION, REMOVE CORNER BEAD, TAPE AND

SHEET NUMBERING LEGEND

- DISCIPLINE DESIGNATOR

/ BUILDING LEVEL

ROOM NUMBER

ACT-1
FINISH ELEVATION

- SHEET TYPE DESIGNATOR

- SHEET SUB-TYPE DESIGNATOR

- SHEET SEQUENCE NUMBER

- AREA / SEGMENT INDICATOR

**DISCIPLINE DESIGNATORS** 

G GENERAL / LIFE SAFETY

H HAZARDOUS MATERIALS

V SURVEY/MAPPING

B GEOTECHNICAL

LANDSCAPE

INTERIORS

S STRUCTURAL

M MECHANICAL

E ELECTRICAL

P PLUMBING

ARCHITECTURE

F FIRE PROTECTION

T TELECOM / DATA

X OTHER DISCIPLINES

**VIEW ELEMENTS** 

DETAIL MARKER

SECTION MARKER

EXTERIOR

MARKER

INTERIOR

MARKER

ELEVATION

ELEVATION

CS COVER SHEET

SHEET NUMBER STRUCTURE

**+ + + + +** 

SYMBOLS

DOOR NUMBER

ALUMINUM FRAMING

ACCESSORIES TAG

MATERIALS TAG

**EQUIPMENT TAG** 

CARD READER

SYSTEM TAG

WINDOW TAG

ARCHITECTURAL ELEMENTS

(0A00A)KX WALL TAG

ROOM



T: 919.474.2500 www.littleonline.com

This drawing and the design shown are the

410 Blackwell Street, Suite 10

Durham, NC 27701

property of Little Diversified Architectural Consulting. The reproduction, copying or other use of this drawing without their written consent is prohibited and any infringement will be subject to legal action. \_\_\_\_\_\_© Little 2019\_\_\_\_\_



Dewberry



ISSUE FOR CONSTRUCTION DOCUMENTS

06.28.2019

PROJECT TEAM JULIE MCLAURIN, AIA

ERIC SCHOENAGEL, AIA

HARNETT COUNTY **GOVERNMENT RESOURCE** CENTER AND LIBRARY

514-8066-00 GENERAL

INFORMATION AND SHEET INDEX

G001

SHEET TYPE DESIGNATORS

0 GENERAL INFORMATION

6-9 (VARIES BY DISCIPLINE)

SITE & LOCATION ELEMENTS

**ANNOTATIONS** 

Level Name ELEVATION DATUM POINT

COLUMN GRID

NORTH ARROW

SHEET KEYNOTE

AND GRID BUBBLES

1 PLANS

2 ELEVATIONS

4 ENLARGEMENTS

3 SECTIONS

5 DETAILS

ELECTRICAL AND TELEPHONE OUTLETS 16" MINIMUM IN SEPARATE STUD CAVITIES.

Sprinklers: ☐ N/A ■ Yes ☐ No ☐ Partial

□ N/A ■ NFPA 13 □ NFPA 13R □ NFPA 13D

Standpipes: □ N/A □ No ■ Class I - Wet □ Class I - Dry □ Class II - Wet □ Class II - Dry ☐ Class III - Wet ☐ Class III - Dry

Primary Fire District: ■ Yes □ No Flood Hazard Area: ☐ Yes ■ No

**Special Inspections Required:** AS REQUIRED BY SECTION 1705, SOILS AND FOUNDATIONS, CAST IN PLACE CONCRETE, STRUCTURAL STEEL, AND RETAINING WALLS.

Special Inspections Required: ■ Yes\* □ No

\* Contact local inspection justisdiction for possible additional precedures & requirements.

TOTAL SCOPE OF WORK AREA: 55,787 SF

PROJECT SCOPE OF WORK DESCRIPTION: The Harnett County Government Services Center is a new building that will house the County Library and Government Administrative offices.

# **Gross Building Area Table**

Floor	Existing Building Area	<b>New Construction Area</b>	Sub-Total
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
	0 SF	0 SF	0 SF
SECOND FLOOR	0 SF	25,997 SF	25,997 SF
FIRST FLOOR	0 SF	29,770 SF	29,770 SF
Totals:	0 SF	55,767 SF	55,767 SF

### **Allowable Area Classification & Uses**

Primary Occu	upancy Classification(s	s):					
<u>Assembl</u>	y <u>Business</u>		<u>Hazardous</u>	<u>Institutional</u>	<u>Mercantile</u>	<u>Storage</u>	Utility & Miso
A-1	В		H-1 (Detonate)	I-1 (Condition 1)		S-1 (Modera	ate) 🗌 U
☐ A <b>-</b> 2	<u>Education</u>		H-2 (Deflagrate)	I-1 (Condition 2)	Residential	S-1 (High Pi	iled)
<b>A-</b> 3	□ E		H-3 (Combust)	I-2 (Condition 1)	☐ R-1	☐ S-2 (Low)	
☐ A-4	<u>Factory</u>		H-4 (Health)	I-2 (Condition 2)	☐ R <b>-</b> 2	S-2 (High Pi	iled)
☐ A <b>-</b> 5	F-1 (Moderate)	)	H-5 (HPM)	I-3 (Condition 1)	☐ R-3	Parking Gar	age (Open)
	☐ F-2 (Low)			I-3 (Condition 2)	☐ R-4	Parking Gar	age (Enclosed)
				I-3 (Condition 3)		Repair Gara	ige
				I-3 (Condition 4)			
				I-3 (Condition 5)			
				I-4			
Accessory O	ccupancy Classificatio	n(s):					

Incidental Uses (Table 509): Special Uses (Chapter 4 - List Code Sections):

**Special Provisions (Chapter 5 - List Code Sections):** Separation: N/A Exception: N/A Mixed Occupancy? 

No Yes, Non-Separated Use 1 Hour 🗌 2 Hour (Section 508.3) 3 Hour 4 Hour Yes, Separated Use (Section 508.4)

Separated Use Calculations (Table 506.2) Occupancy Type [Actual Area]÷[Allowable Area] Actual Area (ft<sup>2</sup>) Allowable Area (ft²) NOT APPLICABLE

Allowable Area Increase Calculations								
Story #	Description & Use	(A) Building Area per Story [Actual]	(B) Table 506.2⁴ Area	(C) Area for Frontage Increase <sup>1,5</sup>	(D) Allowable Area per Story or Unlimited <sup>2,3</sup>			
1	Library and Meeting (A-3)	29,770 ft²	28,500 ft <sup>2</sup>	7,125 ft²	35,625 ft²			
2	Library and Meeting (A-3)	25,997 ft²	28,500 ft²	7,125 ft²	35,625 ft²			
		0 ft²	0 ft²	0 ft²	TOTAL BUILDING 71,250 ft <sup>2</sup>			
		O ft²	O ft²	0 ft²	O ft²			
		O ft²	0 ft²	0 ft²	O ft²			
		O ft²	0 ft²	0 ft²	O ft²			

(F/P) = 1

<sup>1</sup> Frontage area increases from Section 506.2 are computed below:

Perimeter which fronts a public way or open space having 20 feet minimum width = (F). (F) = 768'-8" Total Building Perimeter = (P) Minimum width of public way = (W)

(W) = 30' - 0"Percent of frontage increase I<sub>f</sub> = 100[F/P – 0.25] x W/30 (If) = 75%<sup>2</sup> Unlimited area applicable under conditions of Section 507. <sup>3</sup> Maximum Building Area = Total number of stories in the building \* D (Maxumum 3 stories) (506.2).

<sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1. <sup>5</sup> Frontage increase is based on the unsprinklered area value in Table 506.2.

		FIRE	PROTECTION	N REQUIRE	MENTS		
	Fire	Rating			Design # for	Sheet # for	
Building Element	Separation Distance (feet)	Required	Provided (w/ Section ### reduction)*	Detail # & Sheet #	Rated Assembly	Rated Penetration	Sheet # for Rated Joints
Structural Frame (Columns, girders, trusses, etc.)	30'	0	0	N/A	N/A	N/A	N/A
			Bearing	g Walls			
Exterior							
North	30'	0	N/A	N/A	N/A	N/A	N/A
East	30'	0	N/A	N/A	N/A	N/A	N/A
West	30'	0	N/A	N/A	N/A	N/A	N/A
South	30'	0	N/A	N/A	N/A	N/A	N/A
Interior Bea	aring Walls	0	N/A	N/A	N/A	N/A	N/A
			Nonbearing Wa	alls & Partitions			
Exterior							
North	30'	0	0	N/A	N/A	N/A	N/A
East	30'	0	0	N/A	N/A	N/A	N/A
West	30'	0	0	N/A	N/A	N/A	N/A
South	30'	0	0	N/A	N/A	N/A	N/A
Interior Walls	s & Partitions	0	0	N/A	N/A	N/A	N/A
Floor Construction supporting be		0	0	N/A	N/A	N/A	N/A
Floor Ceilin	g Assembly	0	0	N/A	N/A	N/A	N/A
Columns Sup	porting Floors	0	0	N/A	N/A	N/A	N/A
Roof Construct supporting be	ction (Including eams & joists)	0	0	N/A	N/A	N/A	N/A
Roof Ceiling	g Assembly	0	0	N/A	N/A	N/A	N/A
Columns Sup	pporting Roof	0	0	N/A	N/A	N/A	N/A
Shaft Enclo	sures - Exit	1	1	G010	U419	C-AJ-2630	HW-D-025
Shaft Enclos	sures - Other	1	1	G010	U415	C-AJ-2630	HW-D-025
Corridor Separation		0	0	N/A	N/A	N/A	N/A
Occupancy/Fire Barrier Separation		1	1	G010	U419	C-AJ-2630	HW-D-0259
Party/Fire Wall Separation		0	0	N/A	N/A	N/A	N/A
Smoke Barrier Separation		0	0	N/A	N/A	N/A	N/A
Smoke I	Partition	0	0	N/A	N/A	N/A	N/A
Tenant/Dwellin Unit Se <sub>l</sub>		N/A	N/A	N/A	N/A	N/A	N/A
Incidental Us	e Separation	0	0	N/A	N/A	N/A	N/A

# **Life Safety System Requirements**

Emergency Lighting:	■ Yes □ No	Smoke Detection System: ■ Yes □ No
Exit Signs:	■ Yes □ No	□ Partial
Fire Alarm:	■ Yes □ No	Carbon Monoxide Detection: ■ Yes □ No
i ile Alaiiii.	les   No	Carbon Monoxide Detection.

\* Indicate section number permitting reduction

Percentage of Wall Opening Calculations (Table 705.8)						
	Fire Seperation Distance (ft) from Property Line	Degree of Openings Protection (Table 705.8)	Allowable Area (%)	Actual Shown on Plan (%)		
Northern Elevation	570'-0"	Unprotected, Sprinkled	No Limit	46%		
Eastern Elevation	730'-0"	Unprotected, Sprinkled	No Limit	36%		
Southern Elevation	680'-0"	Unprotected, Sprinkled	No Limit	55%		
Western Elevation	520'-0"	Unprotected, Sprinkled	No Limit	24%		

	Allowable	Shown on Plans	Code References
Building Height in Feet (Table 504.3)	75'-0"	41'-4"	N/A
Building Height in Stories (Table 504.4)	3	2	N/A

Life Safety Plan Requirements

Location of doors equipped with hold-open devices

The square footage of each smoke compartment for

Note any code exceptions or table notes that may have been

Location of emergency escape windows (1030)

☐ The square footage of each fire area (202)

Occupancy Classification I-2 (407.5)

utilized regarding the items above

Life Safety Plan Sheets: G111 THROUGH G114 Fire and/or smoke rated wall locations (Chapter 7) Actual occupant load for each exit door A separate schematic plan indicating where fire rated Assumed and real property line locations floor/ceiling and/or roof structure is provided for purposes of (if not on the site plan) occupancy separation Exterior wall opening area with respect to distance to Location of doors with panic hardware (1010.1.10) assumed property lines (705.8) Occupancy Use for each area as it relates to occupant load Location of doors with delayed egress locks and the amount calculation (Table 1004.1.2) of delay (1010.1.9.7) Occupant loads for each area Location of doors with electromagnetic egress locks

Exit access travel distances (1017) Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)] Dead end lengths (1020.4)

Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)

Accessible Dwelling Units (Section 1107)

Type "B" Units Units Accessible Provided Units Provided Required Required Provided Required NO DWELLING OR SLEEPING UNITS IN SCOPE OF WORK

Accessible Parking (Section 1106) Total # of Parking Spaces Number of Accessible Spaces Provided **Total Number** Lot or Parking Area Van Spaces with: Accessible Spaces Required Provided 5' Access Provided 132" Access 8' Access CAMPUS PARKING 896

Plumbing Fixture Requirements (Table 2902.1) Drinking Fountains & Tubs 0 0 0 0 0 0 10 | 16 | 2 | 6 | 16 | 16 | 2 6 | 12 | 0 | 0 | 4 | 4 | 0 | 0 | 2 | 2 Required Total building counts shown. Refer to G111-G112 for further information

## SPECIAL APPROVALS

Special approvals: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc.) Described Below:

Parking is provided as part of a campus.

**Exterior Wall Assemblies:** 

Projection Factor

Assembly Total U-Value

Door R-Value

#### 2018 Appendix B **BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**

**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.

**EXISTING BUILDING ENVELOPE COMPLIES WITH CODE:** □ Yes □ No ■ Not Applicable

**EXEMPT BUILDING:** ☐ Yes ■ No ☐ Not Applicable

Climate Zone: METHOD OF COMPLIANCE: ☐ No Change to Existing Systems ☐ Prescriptive (ASHRAE 90.1-2013)

Prescriptive (NCECC 2018) Performance (ASHRAE 90.1-2013) Performance (NCECC 2018)

2018 Appendix B

# **BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**

of/Ceiling Assemblies: THERMAL ENVELOPE:						
Mark/Tag	LOW ROOF	CLERESTORY ROOF				
Description	TPO MEMBRANE ON R-30 INSULATION ON METAL DECKING	TPO MEMBRANE ON TAPERED R-30 INSULATION ON METAL DECKING				
Assembly Total U-Value	U033	U033				
R-Value of Insulation	R-30	R-30				
Skylights in Assembly	N/A	N/A				
Skylight Area in Assembly	N/A	N/A				

Skylight Assemblies: Mark/Tag Assembly U-Value

Mark/Tag **BRICK ON METAL STUDS** WITH MIN. R-7.5 MINERAL Description Assembly Total U-Value U=.046

R-Value of Insulation R-13 + R-7.5 c.i. **Openings (Windows/Doors with Glazing):** Mark/Tag SF CW Assembly U-Value U-.46 U-.45 SHGC-.27 SHGC-.27

PF=.06

R-2

Walls Below Grade: Mark/Tag

PF=.06

R-2

R-Value of Insulation Floors Over Unconditioned Space: Mark/Tag Description

Assembly Total U-Value R-Value of Insulation

Floors Slab-on-Grade: Mark/Tag SOG-1 4" 3000 PSI NORMAL Description WEIGHT CONCRETE Assembly Total U-Value U-.59 R-Value of Insulation R-15 @ PERIMETER Horizontal/Vertical Req. 48" VERTICAL Slab Heated? UNHEATED

2018 Appendix B **BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS** STRUCTURAL DESIGN

#### **DESIGN LOADS:**

**IMPORTANCE FACTORS: GROUND SNOW LOAD:** 15 PSF SNOW (I<sub>S</sub>): 1.1 SEISMIC (I<sub>E</sub>): 1.25 WIND LOADS: BASIC WIND SPEED (ASCE-7): 125 MPH LIVE LOADS: EXPOSURE CATEGORY: ROOF: 20 PSF MEZZANINE: NA PSF FLOOR: SEISMIC DESIGN CATEGORY: RISK CATEGORY (TABLE 1604.5): I SPECTRAL RESPONSE ACCELERATION: (S<sub>S</sub>): <u>18.1 %g</u> (S<sub>1</sub>): 8.5 %g SITE CLASSIFICATION (ASCE 7): DATA SOURCE: Not Applicable Presumptive ☐ Field Test Historical Data BASIC STRUCTURAL SYSTEM Not Applicable ☐ Bearing Wall ☐ Building Frame ☐ Moment Frame ☐ Dual w/ Special Moment Frame ☐ Dual w/ Intermediate R/C or Special Steel Inverted Pendulum ANALYSIS PROCEDURE: ☐ Not Applicable ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic Architectural, Mechanical, Components Anchored? 

Not Applicable 

Yes 

No

Soil Bearing Load: 3000 PSF

LATERAL DESIGN CONTROL

**SOIL BEARING CAPACITIES** 

#### 2018 Appendix B **BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS MECHANICAL DESIGN & SUMMARY**

(Copy of Test Report Included)

Presumptive Bearing Capacity

□ Not Applicable ■ Earthquake □ Wind

Pile Size, Type, & Capacity: NOT APPLICABLE

Mechanical Systems, Service Systems and Equipment □ No Cr Existing Systems METHOD OF COMPLIANCE: **Weather Station:** Thermal Zone: **Exterior Design Conditions:** summer dry bulb: winter dry bulb: **Interior Design Conditions:** summer dry bulb: winter dry bulb: relative humidity: **Building Cooling Load: Building Heating Load:** Mechanical Spacing Condi description of unit: cooling output: cooling efficiency: heating output: heating efficiency: Chiller: Chiller output: Oversizing reason: Boiler output: Oversizing reason List equipment of Cooling Efficienc, Heating Efficiency: **Mechanical system motors:** 

Motor horsepower: Number of phases: Minimum efficiency: Motor type: Number of poles:

### 2018 Appendix B **BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN & SUMMARY**

**Electrical Systems and Equipment METHOD OF COMPLIANCE:** 

No Change to Existing Systems Prescriptive (NCECC 2018) Performance /NCECC 2018) \*ive `4E 90.1-2013) **Lighting Schedule: № № №** 90.1-2013) Fixture Type: Lamp Type Required: Number of Lamps: Ballast Type Used: Number of Ballasts: Total Watts / Fixture: **Allowable Lighting Power** INTERIOR LIGHTING Allowed Lighting Power: Designed Lighting Power: Difference: EXTERIOR LIGHTING Allowed Lighting Power: Designed Lighting Power: Additional Efficiency Package List

FOR 2018 NCECC COMPLIANCE PATHS. NOT REQUIRED FOR ASHRAE 90.1 COMPLIANCE PATHS.

☐ C406.2 More Efficient HVAC Equipment Performance ■ C406.3 Reduced Lighting Power Density

☐ C406.4 Enhanced Digital Lighting Controls ☐ C406.5 On-Site Renewable Energy ☐ C406.6 Dedicated Outside Air System

☐ C406.7 Reduced Energy Use in Service Water Heating ☐ Not Applicable

SUMMARY

G002

www.littleonline.com This drawing and the design shown are the property of Little Diversified Architectural Consulting. The reproduction, copying or other use of this drawing without their written consent is prohibited and any infringement will be subject —© Little 2019—

strong roots . new growth

to legal action.

110 Blackwell Street, Suite 10

Durham, NC 27701

T: 919.474.2500

Dewberry



CONSTRUCTION

**DOCUMENTS** 

06.28.2019

PROJECT TEAM

JULIE MCLAURIN, AIA PROJECT MANAGER ERIC SCHOENAGEL. AIA DESIGN TEAM

HARNETT COUNTY **GOVERNMENT RESOURCE** CENTER AND LIBRARY

514-8066-00

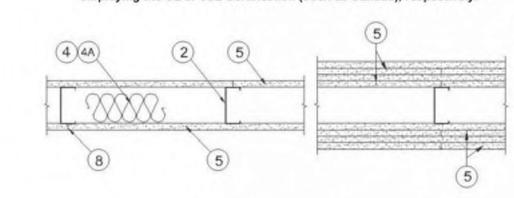
SHEET TITLE **BUILDING CODE** 

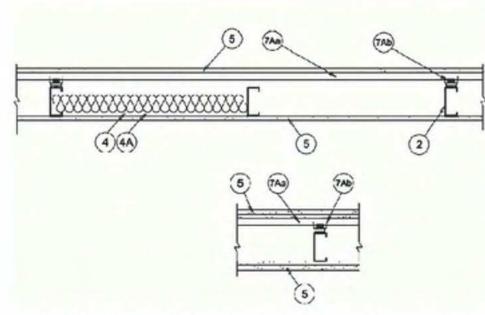
UL U419

#### Design No. U419 September 28, 2018

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)





 Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

FUSION BUILDING PRODUCTS — Viper25™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper25™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. Framing Members\* - Floor and Ceiling Runners - (Not Shown) - In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. ALLSTEEL & GYPSUM PRODUCTS INC - Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV - Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC - Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC - Type SUPREME D24/30EQD and

UNITED METAL PRODUCTS INC - Type SUPREME D24/30EQD and Type SUPREME D20

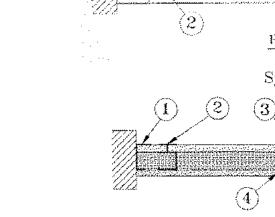
1E. Framing Members\* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C - ProTRAK

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Herizontal Section System B - 2 Hr.



1A. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25™ Track

1B. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

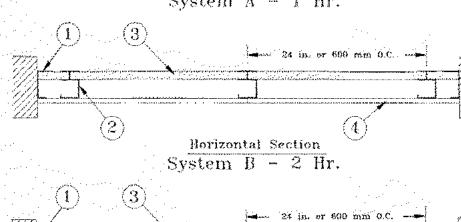
1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

UL U415

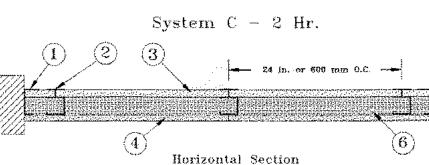
#### Design No. U415 September 27, 2018

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr

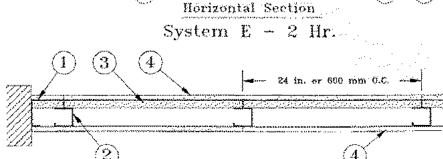
System A - 1 Hr.

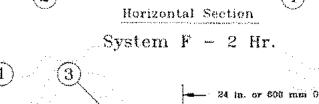


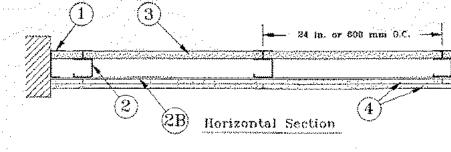




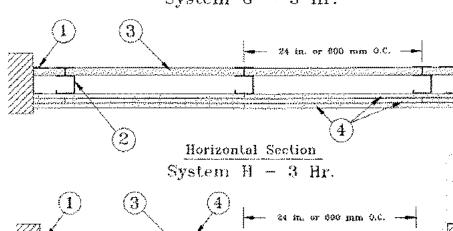
System D - 2 Hr.

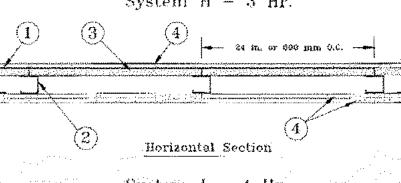






System G - 3 Hr.

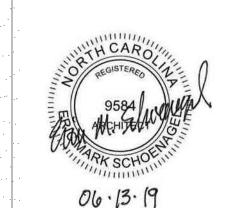






(2C) Harizontal Section 1. Floor, Side and Ceiling Runners — "J" - shaped runner, min 2-1/2 in. deep (min 4 in. deep when System C is used), with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG (min 20 MSG when Item 4A, 4B, 4C, 4D or 7 are used) galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. "E" - shaped studs (Item 2A) may be used as side

runners in place of "J" - shaped runners. 2. **Steel Studs** — "C-H" - shaped studs, min 2-1/2 in. deep (min 4 in. deep when System C is used), fabricated from min 25 MSG (min 20 MSG when Items 2D, 4A, 4B, 4C, 4D or 7 is used) galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-toceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4A, 4B, 4C, or 4D are used).



410 Blackwell Street, Suite 10 Durham, NC 27701 T: 919.474.2500

www.littleonline.com

This drawing and the design shown are the

property of Little Diversified Architectural Consulting. The reproduction, copying or other

to legal action.

use of this drawing without their written consent is prohibited and any infringement will be subject

—© Little 2019—

strong roots . new growth

Dewberry

CONSTRUCTION DOCUMENTS

PROJECT TEAM JULIE MCLAURIN, AIA PROJECT MANAGER ERIC SCHOENAGEL, AIA DESIGN TEAM LITTLE

HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

514-8066-00

FIRE RESISTANCE DESIGNS



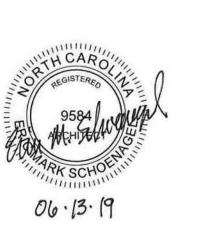
410 Blackwell Street, Suite 10 Durham, NC 27701 T: 919.474.2500

www.littleonline.com

This drawing and the design shown are the property of Little Diversified Architectural Consulting. The reproduction, copying or other use of this drawing without their written consent is prohibited and any infringement will be subject to legal action.



Dewberry\*



CONSTRUCTION DOCUMENTS

PROJECT TEAM

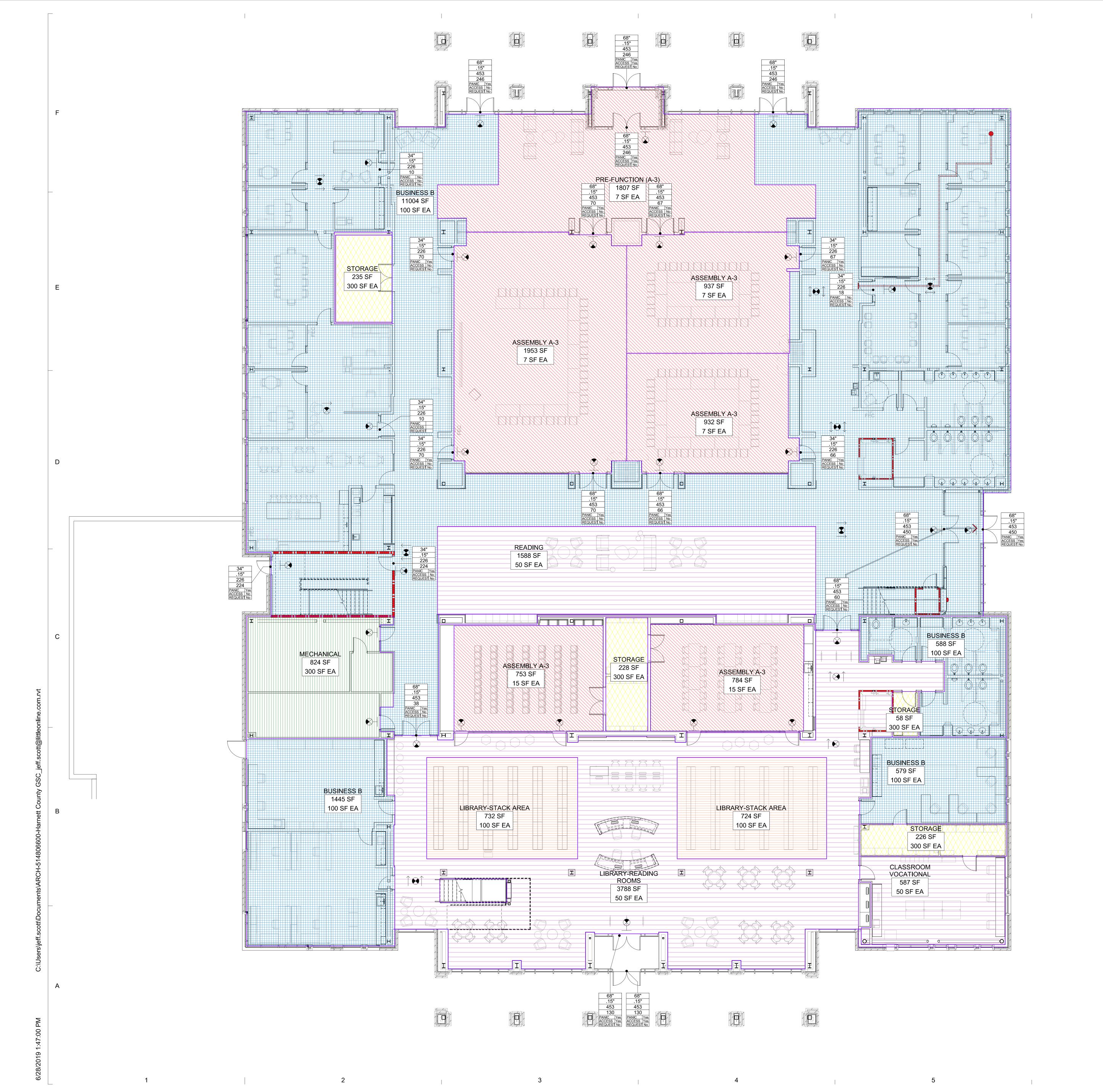
PRINCIPAL IN CHARGE

JULIE MCLAURIN, AIA PROJECT MANAGER
ERIC SCHOENAGEL, AIA DESIGN TEAM
LITTLE
PROJECT NA

HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

514-8066-00

ARCHITECTURAL SITE PLAN



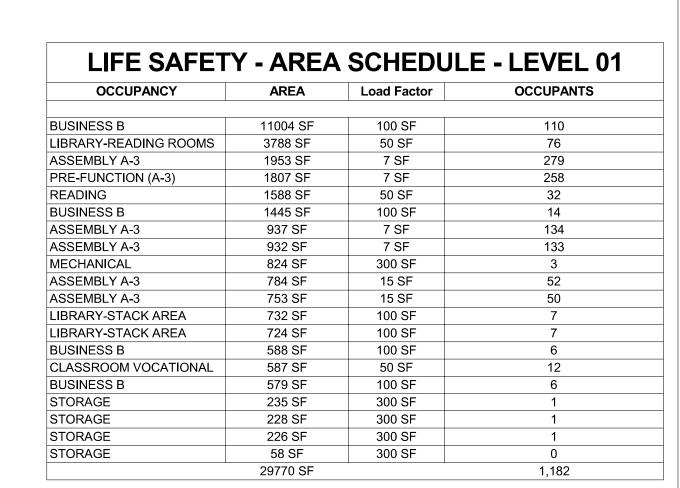


T: 919.474.2500 www.littleonline.com

This drawing and the design shown are the property of Little Diversified Architectural Consulting. The reproduction, copying or other use of this drawing without their written consent is prohibited and any infringement will be subject to legal action.



Dewberry





CONSTRUCTION DOCUMENTS

185UE DATE 06.28.2019

CLEAR OPENING WIDTH
CLEAR WIDTH PER OCCUPANT
OCCUPANT CAPACITY
ACTUAL OCCUPANT LOAD

75
PANIC HARDWARE
ACCESS CONTROL DEVICE
(E.G. CARD READER)
REQUEST TO EXIT

CLEAR WIDTH
CLEAR WIDTH
CLEAR WIDTH PER OCCUPANT
OCCUPANT CAPACITY
ACTUAL OCCUPANT LOAD

75
ACTUAL OCCUPANT LOAD

TRAVEL DISTANCE SHOWN: 000'

EXIT EGRESS DISTANCE
EXIT EGRESS COMMON PATH

TRAVEL DISTANCE SHOWN: 000'
EXIT EGRESS DEAD END DISTANCE

OVERALL DIAGONAL DIMENSION - 14' - 0"
OVERALL DIAGONAL DISTANCE

DISTANCE BETWEEN EXITS - 14' - 0"
EXIT REMOTENESS DISTANCE

CR CARD READER

Area Name

150 SF

100 SF EA

LOAD FACTOR

SYMBOLS - LIFE SAFETY NOT TO SCALE PROJECT TEAM

PRINCIPAL IN CHARGE

JULIE MCLAURIN, AIA

PROJECT MANAGER

ERIC SCHOENAGEL, AIA

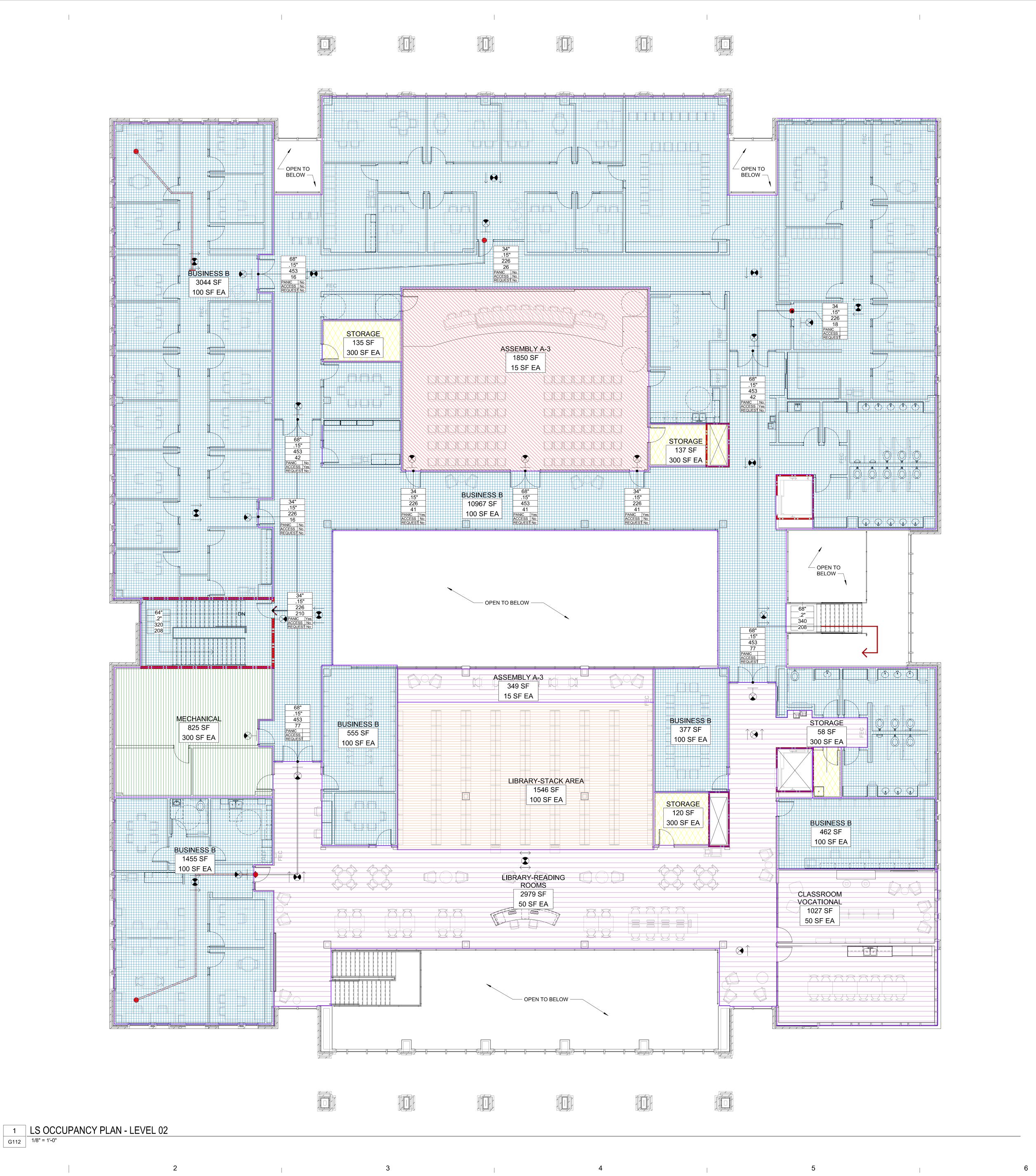
DESIGN TEAM

LITTLE

HARNETT COUNTY GOVERNMENT RESOURCE CENTER AND LIBRARY

PROJECT NO. 514-8066-00

OCCUPANCY PLAN -FIRST FLOOR





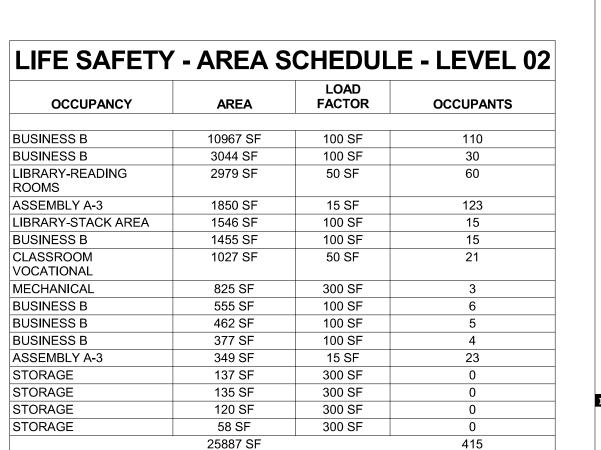
410 Blackwell Street, Suite 10 Durham, NC 27701 T: 919.474.2500

www.littleonline.com

This drawing and the design shown are the property of Little Diversified Architectural Consulting. The reproduction, copying or other use of this drawing without their written consent is prohibited and any infringement will be subject to legal action.



Dewberry



ISSUE FOR CONSTRUCTION DOCUMENTS

06.28.2019

 CLEAR OPENING WIDTH - CLEAR WIDTH PER OCCUPANT - OCCUPANT CAPACITY - ACTUAL OCCUPANT LOAD - PANIC HARDWARE - ACCESS CONTROL DEVICE (E.G. CARD READER) - REQUEST TO EXIT

- CLEAR STAIR WIDTH CLEAR WIDTH PER OCCUPANT OCCUPANT CAPACITY ACTUAL OCCUPANT LOAD

TRAVEL DISTANCE SHOWN: 000' TRAVEL DISTANCE SHOWN: 000' EXIT EGRESS DEAD END DISTANCE

- EXIT EGRESS DISTANCE - EXIT EGRESS COMMON PATH

OVERALL DIAGONAL DIMENSION - 14' - 0" OVERALL DIAGONAL DISTANCE

DISTANCE BETWEEN EXITS - 14' - 0" EXIT REMOTENESS DISTANCE

> CARD READER Area Name LOAD FACTOR 100 SF EA

ILLUMINATED EXIT SIGN

SYMBOLS - LIFE SAFETY

OCCUPANCY PLAN -SECOND FLOOR

514-8066-00

JULIE MCLAURIN, AIA

DESIGN TEAM

ERIC SCHOENAGEL, AIA

HARNETT COUNTY GOVERNMENT RESOURCE

CENTER AND LIBRARY

DIVERSIFIED ARCHITECTURAL CONSULTING

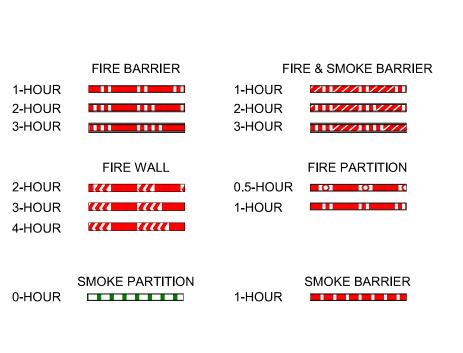
410 Blackwell Street, Suite 10
Durham, NC 27701
T: 919.474.2500

www.littleonline.com

This drawing and the design shown are the property of Little Diversified Architectural Consulting. The reproduction, copying or other use of this drawing without their written consent is prohibited and any infringement will be subject to legal action.



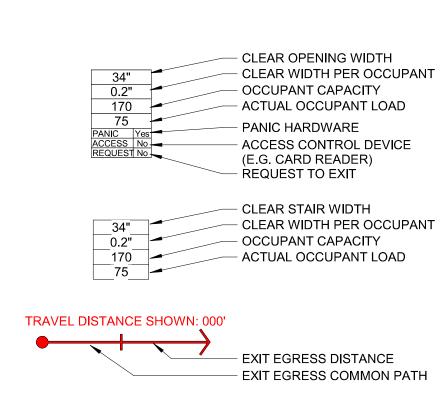
Dewberry



RATED WALL TYPES

CONSTRUCTION DOCUMENTS

06.28.2019



1/8" = 1'-0"

TRAVEL DISTANCE SHOWN: 000'

EXIT EGRESS DEAD END DISTANCE

OVERALL DIAGONAL DIMENSION - 14' - 0"

OVERALL DIAGONAL DISTANCE

DISTANCE BETWEEN EXITS - 14' - 0"

EXIT REMOTENESS DISTANCE

CR CARD READER

Area Name

150 SF
LOAD FACTOR

LOAD FACTOR

514-8066-00

SHEET TITLE

LIFE SAFETY PLAN - FIRST FLOOR

ILLUMINATED EXIT SIGN

SYMBOLS - LIFE SAFETY

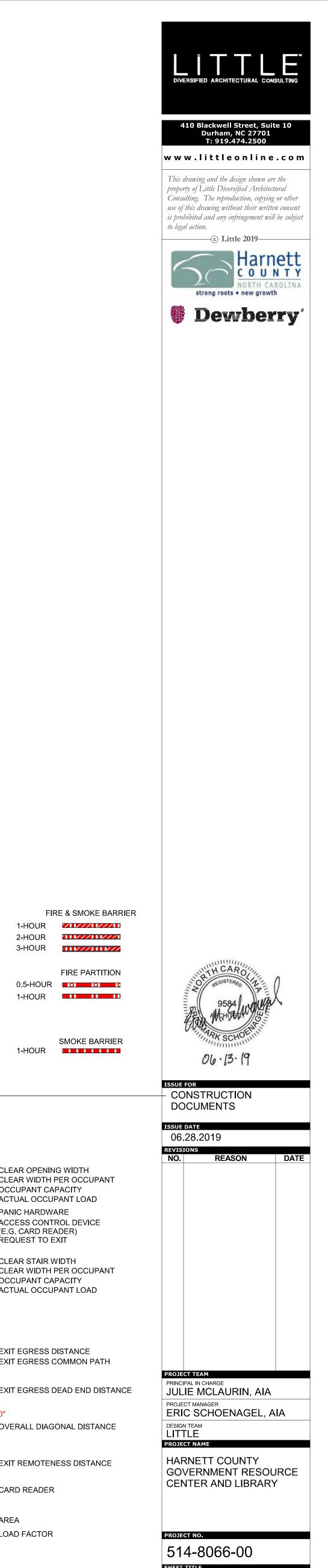
T NUMBER

PRINCIPAL IN CHARGE
JULIE MCLAURIN, AIA

PROJECT MANAGER
ERIC SCHOENAGEL, AIA

HARNETT COUNTY GOVERNMENT RESOURCE

CENTER AND LIBRARY



- CLEAR OPENING WIDTH - CLEAR WIDTH PER OCCUPANT - OCCUPANT CAPACITY - ACTUAL OCCUPANT LOAD - PANIC HARDWARE - ACCESS CONTROL DEVICE (E.G. CARD READER) – REQUEST TO EXIT - CLEAR STAIR WIDTH CLEAR WIDTH PER OCCUPANT OCCUPANT CAPACITY ACTUAL OCCUPANT LOAD

SMOKE PARTITION

0-HOUR

RATED WALL TYPES

 $\uparrow \Theta \uparrow$ 

SAFETY

NOT TO SCALE

NOT TO SCALE

TRAVEL DISTANCE SHOWN: 000' - EXIT EGRESS DISTANCE - EXIT EGRESS COMMON PATH TRAVEL DISTANCE SHOWN: 000' EXIT EGRESS DEAD END DISTANCE OVERALL DIAGONAL DISTANCE DISTANCE BETWEEN EXITS - 14' - 0"

EXIT REMOTENESS DISTANCE CARD READER Area Name 150 SF LOAD FACTOR

SHEET TITLE LIFE SAFETY PLAN -SECOND FLOOR

ILLUMINATED EXIT SIGN SYMBOLS - LIFE