2018 API	PENDIX B BUILDING CODE SUM	1MARY
Name of Project: Campbell University Baseball Open Shelter		ACCESSIBLE PARKING (SECTION 1106)
Address: Buies Creek, North Carolina Zip Code: 27506	STORY DESCRIPTION BLDG AREA TABLE 506.24 AREA FOR ALLOWABLE PER STORY AREA FRONTAGE AREA PER STORY OR	TOTAL # PARKING SPACES # ACCESSIBLE SPACES PROVIDED
Proposed Use: Baseball Practice Open Shelter	NO. AND USE PER STORY AREA FRONTAGE INCREASE 1,5 UNLIMITED 2,3 1 A-3 6,400 9,500 Not Used 9,500	LOT OR PARKING AREA REQUIRED PROVIDED REGULAR WITH 5' ACCESS AISLE 132" ACCESS 8' ACCESS 8' ACCESS SPACES PROVIDED
Owner or Authorized Agent : Michael Weaver Phone # 919-282-2443 E-Mail: michael@si-nc.com	1 A-3 6,400 9,300 Not Used 9,300	AREA STACCESS AISLE AISLE SPACES PROVIDED
Owned By: City / County Private State		Existing Exi
Code Enforcement Jurisdiction: City State	¹ Frontage area increases from Section 506.2 are computed thus: a. Perimeter which fronts a public way or open space having 20 feet minimum width =(F)	TOTAL
	b. Total Building Perimeter =(P)	PLUMBING FIXTURE REQUIREMENTS
LEAD DESIGN PROFESSIONAL: Joe T. Smith, Jr.	c. Ratio (F/P) = (F/P) d. W = Minimum width of public way = (W) e. Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 = (%)$	(TABLE 2902.1)
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL	e. Percent of frontage increase $I_f = 100 [F/P - 0.25] x W/30 = $ (%) 2 Unlimited area applicable under conditions of Section 507.	WATER CLOSETS LIBINALS LAVATORIES SHOWERS DRINKING FOUNTAINS
Building Smith Engineering & Design Joe T. Smith, Jr. 24916 (919)-736-2141 smithengineeringnc@hotmail.com Civil	³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).	MALE FEMALE UNISEX MALE FEMALE UNISEX & TUBS REGULAR ACCESSIBLE Moximum EXISTING 0 0 0 0 0 0 0 0 0
Electrical Smith Engineering & Design Joe T. Smith, Jr. 24916 (919)-736-2141 smithengineeringnc@hotmail.com	⁴ The maximum area of parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.	0cc. Lood NEW 0 0 0 0 0 0 0 0 0
Fire Alarm	⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.	128 people REQUIRED 1 1 0 0 1 1 0 0 1 1
Plumbing		SPECIAL APPROVALS
Sprinkler-Standpipe	ALLOWABLE HEIGHT	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Structural Smith Engineering & Design Joe T. Smith, Jr. 24916 (919)-736-2141 smithengineeringnc@hotmail.com	ALLOWABLE SHOWN ON CODE PLANS REFERENCE	
Retaining Walls >5' High Other	Building Height in Feet (Table 504.3) 55 18'-4"	
	Building Height in Stories (Table 504.4) Building Height in Stories (Table 504.4) 2	
2018 NC BUILDING CODE: New Construction Shell/Core 1st Time Interior Completion (Partial) Addition Phased Construction-Shell Core	1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.	GERLIGHTUR AL DEGLOV
Addition Phased Construction-Shell Core 2018 NC EXISTING CODE: Prescriptive Alteration Level I Historic Property		STRUCTURAL DESIGN DESIGN LOADS: Metal building portion to be supplied
(check all that apply)	FIRE PROTECTION REQUIREMENTS	Importance Snow (I _o) 1.0 by metal building manufacturer
CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3) N/A	FIRE RATING PROVIDED DETAIL # DESIGN # DESIGN # FOR DATED FOR D	Factors: Seismic (I_{E}) 1.0
CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3)N/A RENOVATED: (date) PROPOSED USE(s) (Ch. 3)A-3 Assembly	BUILDING ELEMENT SEPARATION DISTANCE (FEET) REQUIRED (W/N/A * REDUCTION) AND SHEET # FOR RATED ASSEMBLY FOR RATED JOINTS FOR RATED ASSEMBLY FOR RATED ASSEMBLY FOR RATED ASSEMBLY FOR RATED JOINTS FOR RATED ASSEMBLY FOR RATED BENETRATION FOR RATED ASSEMBLY FOR RATED BENETRATION FOR RATED BENETRATION BENETRATION FOR RATED BENETRATION FOR RATED BENETRATION	Live Loads: Roof 20 PSF
	Structural frame, including columns,	Mezzanine N/A
BUILDING DATA	girders, trusses	Floor 100 PSF Ground Snow Load: 15 PSF
Construction Type: I-A II-A III-A IV V-A (check all that apply) I-B II-B III-B V-B	Exterior	Wind Loads: Basic Wind Speed 117 MPH (ASCE 7-10)
Sprinklers: NO Partial NFPA 13 NFPA 13D	East N/A 0 HOUR N/A	Exposure Category B
Standpipes: NO Class: I I III III Wet Dry	West N/A 0 HOUR N/A South N/A 0 HOUR N/A	SEISMIC CATEGORY
Primary Fire District : NO ☐ YES (Primary) Flood Hazard Area: ☐ No ☐ YES Special Inpections Required: ☐ NO ☐ YES	Interior 0 HOUR N/A	Provide the following Seismic Design Parameters:
Special impections required. M 100 🔲 113	Exterior	Occupancy Category (Table 1604.5)
GROSS BUILDING AREA TABLE	North >30' 0 HOUR 0 HOUR East >30' 0 HOUR 0 HOUR	Spectral Response Acceleration S _s 17.9 %g S ₁ 8.5 %g Site Classification (ASCE-7)
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL 3th Floor	West >30' 0 HOUR 0 HOUR South >30' 0 HOUR 0 HOUR	Data source: Field Test Presumptive Historical Data
2nd Floor	Interior walls and partitions 0 HOUR 0 HOUR	Basic Structural System: (check one) Bearing Wall Dual W/ Special Moment Frame
Mezzanine Mezzanine	Floor Construction including supporting beams and joists 0 HOUR 0 HOUR	 ☑ Building Frame ☑ Dual W/ Intermediate R/C or Special Steel
1stFloor (Upper Level) 0 6,400 6,400 Basement (Lower Level)	Roof Construction including supporting beams and joists 0 HOUR 0 HOUR	☐ Moment Frame ☐ Inverted Pendulum
TOTAL: 0 6,400 6,400	Roof Ceiling Assembly N/A N/A	Analysis Procedure: ☐ Simplified ☒ Equivalent Lateral Force ☐ Dynamic
<u> </u>	Shafts Enclosures - Exit N/A N/A	Architectural, Mechanical, Components Anchored?
ALLOWABLE AREA	Shafts Enclosures - Other N/A N/A Corridor Separation N/A N/A	LATERAL DESIGN CONTROL: Earthquake Wind
Primary Occupancy: Assembly		SOIL BEARING CAPACITIES:
Business	Occupancy/Fire Barrier Separation N/A N/A	Field Test (provide copy of test report) Presumptive Bearing Capacity N/A psf psf psf psf
Educational	Party/Fire Wall Separation N/A N/A Smoke Barrier Separation N/A N/A	Pile Size, Type, and Capacity N/A
Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HMP	Smoke Partition N/A N/A	SPECIAL INSPECTIONS REQUIRED: Yes No
Institutional I-1 I-2 I-3 I-4	Tenant/Dwelling Unit/ Sleeping Unit Separation N/A N/A	
I-3 Condition 1 2	Incidental Use Separation N/A N/A *Indicates section number permitting reduction.	ENERGY SUMMARY
I-2 Condition	PERCENTAGE OF WALL OPENING CALCULATIONS	ENERGY REQUIREMENTS:
Mercantile	FIRE SEPARATION DISTANCE PROTECTION DEGREE OF OPENINGS ALLOWABLE AREA ACTUAL SHOWN ON PLANS PROTECTION ALLOWABLE AREA ACTUAL SHOWN ON PLANS	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
Residential R-1 R-2 R-3 R-4	(TABLE 705.8) (70)	reference design vs annual energy cost for the proposed design.
Storage S-1 Moderate S-2 Low High-Piled Parking Garage Open Enclosed Repair Garage	>30' Unprotected, Nonsprinklered No Limit N/A	Existing building envelope complies with code: [(If checked, the remainder of this section is not applicable.)
Utility and Misc.		Exempt Building: Provide code or statutory reference: Thermal envelope elements do not apply; This structure is an open shelter.
Accessory Occupancy Classification(s):		Climate Zone: 3 4 5 Method of Compliance:
Incidental Uses: (Table 509) This separation is not exempt as a Nonseparated Use (see exceptions).	LIFE SAFETY SYSTEM REQUIREMENTS	Energy Code: Performance Prescriptive Trade-Off
This separation is not exempt as a Nonseparated Use (see exceptions). Special Uses: (Chapter 4 - List Code Sections):	Emergency Lighting: No Yes Exit Signs: No Yes	ASHRAE 90.1: Performance Prescriptive Trade-Off Other: Performance (specify source)
Special Provisions: (Chapter 5 - List Code Sections):	Fire Alarm: No Yes Partial	THERMAL ENVELOPE :
Mixed Occupancy: NO □ YES Secondary occupancy type(s): Separation: Hour Exception:	Smoke Detection Systems: No Yes Partial	Roof/Ceiling Assembly (each assembly) Description of Assembly N/A
Non-Separated Use (508.3)	Carbon Monoxide Detection: X No Yes	Description of AssemblyN/A U-value of Total AssemblyN/A
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.	LIFE SAFETY PLAN REQUIREMENTS	R-value of InsulationN/A
Separated Use (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.	Life Safety Plan Sheet #: N/A (Open Shelter)	Skylights in each assembly N/A
	☐ Fire and/or smoke rated wall locations (Chapter 7) ☐ Assumed and real property line locations	U-Value of skylight N/A Total square footage of skylights in each assembly _N/A
$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} = \leq 1.0$	Exterior wall opening area with respect to distance to assumed property lines (705.8)	Exterior Walls (each assembly)
$\frac{N/A}{N/A} \qquad N/A \qquad + \qquad \frac{N/A}{N/A} \qquad N/A \qquad = \qquad N/A \leq 1.0$	Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)	Description of Assembly N/A
N/A N/A	☐ Occupant loads for each area☐ Exit access travel distances (1017)	U-value of Total Assembly N/A R-value of Insulation N/A
	Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]	R-value of Insulation N/A Openings (windows or doors with glazing)
	Dead end lengths (1020.4)	U-Value of assemblyN/A
	☐ Clear exit widths for each exit door ☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)	Solar heat gain coefficient: N/A Projection factor: N/A
	Actual occupant load for each exit door	Projection factor: N/A Door R-Values: N/A
	A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation Location of doors with panic hardware (1010 1 10)	Walls below grade (each assembly)
	A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation Location of doors with panic hardware (1010.1.10) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)	Description of AssemblyN/A
	Location of doors with panic hardware (1010.1.10) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) Location of doors with electromagnetic egress locks (1010.1.9.9)	11/4
	Location of doors with panic hardware (1010.1.10) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) Location of doors with electromagnetic egress locks (1010.1.9.9) Location of doors equipped with hold-open devices	Description of Assembly N/A U-value of Total Assembly N/A R-value of Insulation N/A Floors over unconditioned space (each assembly)
	Location of doors with panic hardware (1010.1.10) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) Location of doors with electromagnetic egress locks (1010.1.9.9)	Description of Assembly N/A U-value of Total Assembly N/A R-value of Insulation N/A Floors over unconditioned space (each assembly) Description of Assembly N/A
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		Description of Assembly N/A U-value of Total Assembly N/A R-value of Insulation N/A Floors over unconditioned space (each assembly) Description of Assembly N/A U-value of Total Assembly N/A R-value of Insulation N/A Floors slab on grade Description of Assembly N/A U-value of Total Assembly N/A R-value of Insulation N/A Horizontal/vertical requirement N/A
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S-1 FOUNDATION PLAN & NOTES
S-2 FOUNDATION DETAILS

ELECTRICAL

E-1 ELECTRICAL LIGHTING PLAN

SEAL 10-17-23

REVISIONS

TE DESCRIPTION

ell Universi I Open Shelter

Baseball

 DATE:
 17 October 2023

 DRAWN BY:
 T.B.

 SCALE:
 NO SCALE

STRUCTURAL NOTES

GENERAL

1. THESE DRAWINGS ARE TO BE COORDINATED WITH THE PRE-ENGINEERED METAL BUILDING PLANS.

THIS STRUCTURE AND ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE SECTIONS OF THE NC BUILDING CODE AND ANY LOCAL LAWS WHERE THE STRUCTURE IS TO BE CONSTRUCTED.

<u>MISCELLANEOUS</u>

- 1. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING, SHORING, AND GUYING OF FRAMING AND WALLS AGAINST WIND, CONSTRUCTION LOADS, AND OTHER TEMPORARY FORCES UNTIL SUCH PROTECTION IS NO LONGER REQUIRED FOR THE SAFE SUPPORT OF THE FRAMING.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE DIMENSIONS OF THE STRUCTURAL DRAWINGS AND ADVISING THE ENGINEER OF ANY DIFFERENCES IN DIMENSIONS BETWEEN THE METAL BUILDING PLANS AND SECTIONS PRIOR TO COMMENCING CONSTRUCTION.
- 3. CONSTRUCTION SAFETY: THESE STRUCTURAL DRAWINGS DO NOT CONTAIN NECESSARY COMPONENTS FOR SAFETY DURING CONSTRUCTION.

FOUNDATIONS

- 1. THE STRUCTURAL ENGINEER HAS NOT PERFORMED A SUBSURFACE INVESTIGATION. THE FOUNDATION IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF NET BEARING. VERIFICATION OF THIS ASSUMED VALUE IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR. SHOULD ANY ADVERSE SOIL CONDITION BE ENCOUNTERED, THE STRUCTURAL ENGINEER MUST BE CONTACTED BEFORE PROCEEDING.
- 2. ANY FILL SHALL BE PLACED UNDER THE DIRECTION OR RECOMMENDATION OF A LICENSED PROFESSIONAL ENGINEER. THE RESULTING SOIL SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT MAXIMUM DRY DENSITY.

<u>CONCRETE</u>

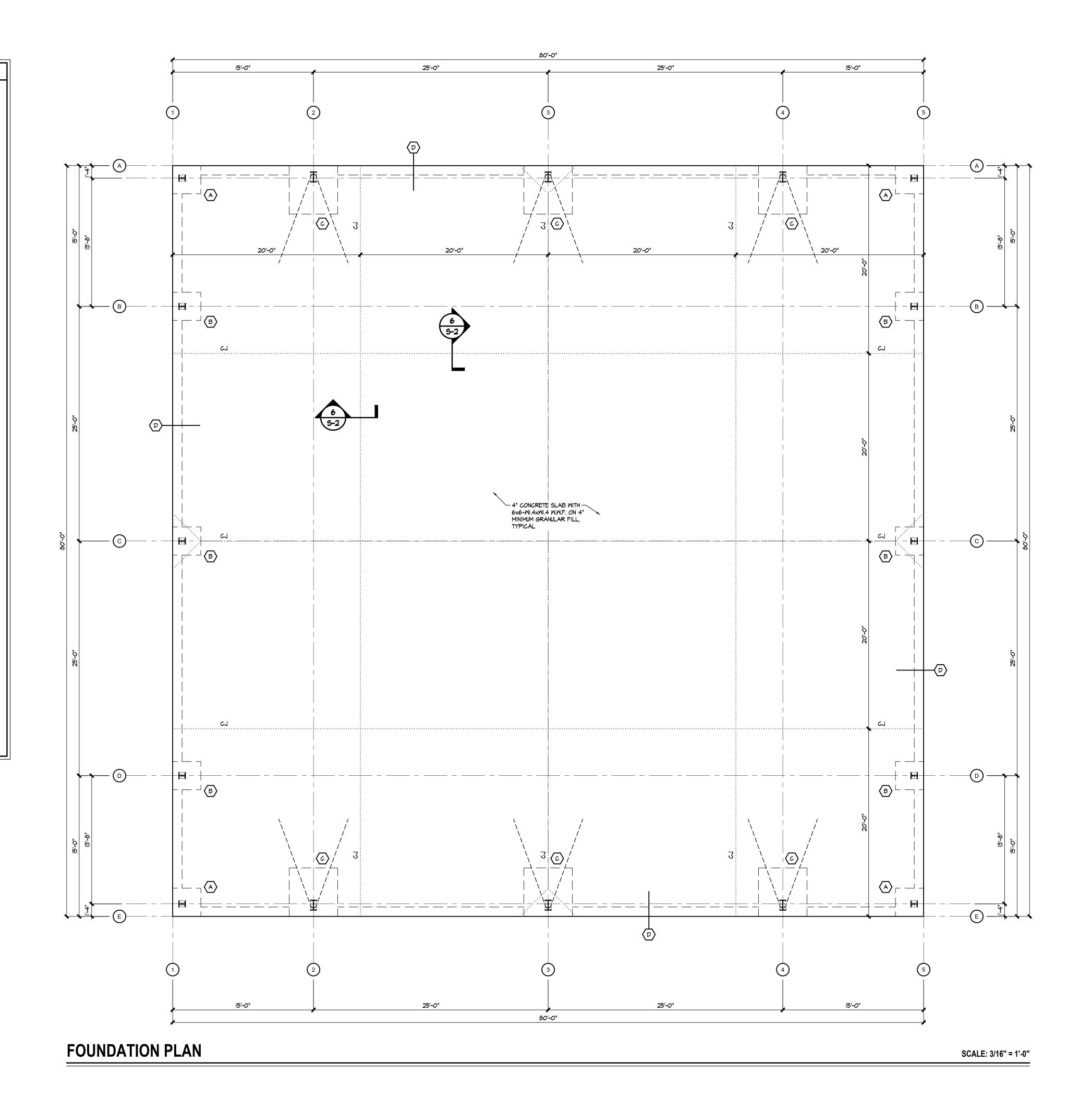
- 1. REINFORCED CONCRETE WORK SHALL COMPLY WITH BOTH "SPECIFICATIONS FOR STRUCTURAL BUILDINGS" ACI 301 AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318.
- 2. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304R.
- 3. DURING HOT WEATHER THE CONTROL OF CONCRETE PLACEMENT, PROTECTION AND CURING SHALL COMPLY WITH ACI 305R.
- 4. WHEN THE MEAN DAILY TEMPERATURE IS BELOW 40 DEGREES F THE CONTROL OF PLACEMENT, PROTECTION AND CURING SHALL COMPLY WITH ACI 306R.
- 5. CONCRETE SHALL HAVE NORMAL WEIGHT AGGREGATE AND A MINIMUM COMPRESSIVE STRENGTH (Fc) AT 28 DAYS AS LISTED BELOW.
 - 5.1 FOOTINGS 3000 PS
- 5.2 SLABS-ON-GRADE 3000 PSI
- 6. ENTRAINED AIR MUST BE USED IN ALL CONCRETE THAT WILL BE EXPOSED TO FREEZING AND THAWING AND DEICING CHEMICALS. AMOUNT OF AIR ENTRAINMENT (PERCENT) SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE WITH A RANGE OF -1 TO +2 PERCENTAGE POINTS OF THE TARGET VALUE:
- 6.1 FOOTINGS
- 6.2 INTERIOR SLABS 0%, SEE NOTE BELOW

5%

- 6.3 EXTERIOR SLABS 5%
- NOTE: IT IS RECOMMENDED THAT INTERIOR SLABS TO BE GIVEN A SMOOTH, DENSE, HARD—TROWELED FINISH NOT TO CONTAIN ENTRAINED AIR SINCE BLISTERING OR DELAMINATION MAY OCCUR. IF SLAB WILL BE EXPOSED TO DEICING OR OTHER AGGRESSIVE CHEMICALS, CONTACT STRUCTURAL ENGINEER FOR PROPER AIR ENTRAINMENT REQUIREMENTS.
- 7. CONCRETE SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 302.1R-96 "GUIDE FOR CONCRETE SLAB AND SLAB CONSTRUCTION".
- 8. CONTROL JOINTS SHALL BE SPACED IN SLABS ON GRADE AT A MAXIMUM OF 15'-0" O.C. UNLESS OTHERWISE NOTED.

REINFORCING STEEL

- 1. REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185. WELDABLE REINFORCING BARS SHALL COMPLY WITH ASTM A706, GRADE
- 2. CLEAR CONCRETE COVER ON REINFORCING STEEL: BOTTOM OF FOOTINGS= 3", SIDE AND TOP SURFACE OF FOOTINGS= 2", BOTTOM OF SLAB ON GRADE = 2 1/2", WALL SURFACE = 2", TOP OR BOTTOM SURFACE OF FLOOR SLABS = 3/4".
- 3. PROVIDE CLASS 3 BAR AND MESH SUPPORTS.
- 4. DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315 (LATEST EDITION) MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES.
- 5. HORIZONTAL FOOTING SHALL BE CONTINUOUS AND AND SHALL HAVE 90° BENDS OR CORNER BARS SHALL BE INSTALLED. THE CORNER BAR SHALL HAVE THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCEMENT WITH A CLASS B TENSION SPLICE.
- 6. LAP REINFORCEMENT AS REQUIRED A MINIMUM OF 40 BAR DIAMETERS FOR TENSION OR COMPRESSION UNLESS NOTED OTHERWISE. SPLICES IN MASONRY SHALL BE A MINIMUM OF 48 BAR DIAMETERS.



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SMITTH ENGINEERING

AND DESIGN, P.A.

1103 Gracie Pl., Suite A

Goldsboro, N.C. 27534

Corporation License No. C-2241

SEAL 10-17-23

REVISIONS

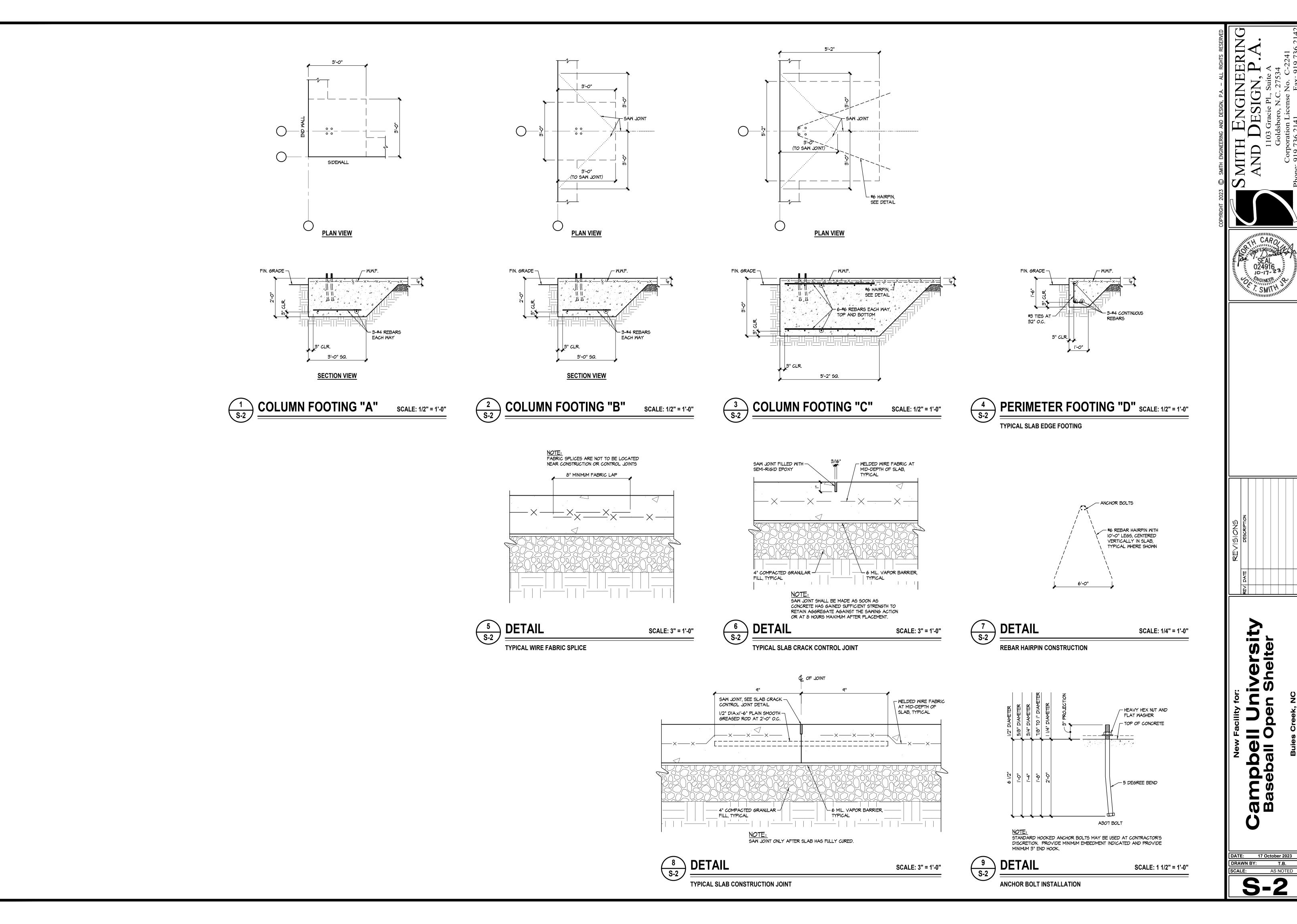
V. DATE DESCRIPTION

pbell Universit

DATE: 17 October 2023

DRAWN BY: T.B.

SCALE: 3/16" = 1'-0"



	LIGHT FIXTURE SCHEDULE									
MARK DESCRIPTION	LAMP		BALLAST		FIXTURE	VOLTS	LUMENS	NOTES		
	52331(II 1131)	TYPE	NO.	WATTS	TYPE	NO.	INPUT WATTS	10210	201112110	110120
H1	HIGH BAY LED	LED	-	112	-	1	112	120	12000	

NOTES:

- 1. PROVIDE ALL FIXTURES WITH LAMPS OF MODERATE TONE (3500K) AND GOOD CRI (COLOR RENDERING INDEX).
- 2. PROVIDE FIXTURES BY LITHONIA, COLUMBIA, HUBBLE, OR EQUAL PRODUCT.

	$ELECTRICAL\ LEGEL$	ND
SYM.	DESCRIPTION	REMARKS
\bigcirc	JUNCTION BOX	DOUBLE GANG UNO
	NON-FUSED DISCONNECT	_
<u>(S)</u>	OCCUPANCY SENSOR	_
\$	SWITCH	MOUNT 48" TOD AFF
\$3	3 WAY SWITCH	MOUNT 48" TOD AFF
Ф	RECEPTACLE	MOUNT 16" BOD AFF
∯ _{GFI}	GROUND FAULT RECEPTACLE	MOUNT 6" ABV. COUNTER
₩P GFI	GROUND FAULT, WEATHERPROOF RECEPT.	MOUNT 24" BOD AFG
Ф	240V RECEPTACLE	_
8	DOUBLE DUPLEX RECEPTACLE	_
CKT #	CIRCUIT IDENTIFIER	_
▼ _x	DATA OUTLET	NUM. OF PORTS AS INDICATED

NOTES:

- STANDARD MOUNTING HEIGHTS OF DEVICES SHALL BE AS LISTED IN LEGEND. SPECIFIC MOUNTING HEIGHT OF A DEVICE MAY VARY AS NOTED ON PLANS.
 E.C. SHALL COORDINATE COLOR SELECTION OF DEVICES AND COVERPLATES
- WITH ENGINEER, OWNER AND/OR G.C.

 3. PROVIDE EQUIPMENT SHOWN BY HUBBELL, PASS & SEYMOUR, COOPER WIRING DEVICES OR FOLIAL PROPULCE.
- WIRING DEVICES, OR EQUAL PRODUCT.

 4. OPERATING DEVICES AND OPERABLE PARTS OF OPERATING DEVICES SUCH AS LIGHT SWITCHES, RECEPTACLES, THERMOSTATS, ALARMS, ETC., SHALL BE LOCATED WITHIN REACH RANGES AS SPECIFIED PER ANSI A117.1—2009.

ABBREVIATIONS:	
G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
UNO	UNLESS NOTED OTHERWISE
Ç.	CENTERLINE OF DEVICE
BOD	BOTTOM OF DEVICE
TOD	TOP OF DEVICE

<u>ELECTRICAL NOTES</u>:

- ELECTRICAL PLANS ARE INTENDED TO PROVIDE INFORMATION FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM. PROVIDE ALL ESSENTIAL LABOR, MATERIALS & DEVICES REQUIRED TO PRODUCE A QUALITY END PRODUCT.
- 2. CONTRACTOR SHALL REVIEW & BECOME FAMILIAR WITH THE WORK OF ALL TRADES FOR PURPOSES OF COORDINATION AND ROUTING. CONTRACTOR SHALL PROVIDE REQUIRED PLANNING, COORDINATION AND SEQUENCING OF ELECTRICAL INSTALLATION WITH BUILDING COMPONENTS AND OTHER TRADES.
- 3. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC). WORKMANSHIP SHALL MEET OR EXCEED INDUSTRY STANDARDS.
- 4. PROTECT ALL NEW MATERIALS FROM THE WEATHER IN STORAGE TRAILERS OR PROVIDE SUITABLE COVERING.
- 5. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS, STARTERS, DEVICES AND ELECTRICAL COMPONENTS UNLESS SPECIFICALLY NOTED AS PROVIDED BY OTHERS.
- 6. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE AND LOAD SIDE WIRING INCLUDING ALL TERMINATIONS TO EQUIPMENT PROVIDED UNDER OTHER TRADES. POWER WIRING TO CONTROL DEVICES SHALL BE PROVIDED BY E.C..
- 7. ALL WIRING, DEVICES AND OTHER LIKE MATERIALS SHALL BE UL LISTED & LABELED. ALL MATERIALS SHALL MEET THE NEC FOR THE INTENDED USE AND INSTALLED IN ACCORDANCE WITH THE NEC.
- 8. PROVIDE THHN/THWN COPPER WIRE. PROVIDE A MINIMUM WIRE SIZE OF #12. CONDUCTORS AND CONDUIT ON PLANS AND SCHEDULES REFLECT AMPACITIES PER NEC 310-16 75C RATING. CONTRACTOR SHALL VERIFY ALL TERMINATIONS, LUGS, ETC. ARE RATED FOR USE PER NEC 110-4C. OTHERWISE PROVIDE CONDUCTOR AND CONDUIT SIZED PER LOWEST TEMPERATURE RATING OF ANY TERMINATION WITHIN A CIRCUIT. A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE PROVIDED FOR ALL CIRCUITS.
- 9. PROVIDE MC CABLE FOR ALL SINGLE PHASE BRANCH CIRCUITS 30 AMPS AND SMALLER.
- 10. PROVIDE TYPE WRITTEN PANEL SCHEDULES IN EACH PANEL INDICATING THE LOAD DESCRIPTION FOR EACH BREAKER. LABEL PANELS ON PANEL FACE WITH PHENOLIC LABELS INDICATING PANEL NUMBER OR LETTER DESIGNATION, VOLTAGE AND PHASE.
- 11. PROVIDE LIGHTING AS SCHEDULED IN THE FIXTURE SCHEDULE OR OTHERWISE NOTED ON PLANS.
- 12. WALL SWITCHES SHALL BE SINGLE POLE, 20 AMP, 120/277V.
- 13. PROVIDE STANDARD SIZE WALL PLATES FOR ALL DEVICES AND BLANK WALL PLATES FOR JUNCTION BOXES. WALL PLATES SHALL BE HIGH IMPACT, SMOOTH NYLON, COLOR TO MATCH DEVICE.
- 14. GUARANTEE ALL EQUIPMENT, MATERIALS AND INSTALLATION FREE OF DEFECTS FOR A PERIOD OF 1—YEAR AFTER DATE OF ACCEPTANCE.

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE:

PRESCRIPTIVE ☑ PERFORMANCE ☐

TRADE-OFF

LIGHTING SCHEDULE

OF POLES

LAMP TYPE REQUIRED IN FIXTURE
NUMBER OF LAMPS IN FIXTURE
BALLAST TYPE USED IN THE FIXTURE
NUMBER OF BALLASTS IN THE FIXTURE
TOTAL WATTAGE PER FIXTURE

SEE LIGHTING SCHEDULE ON PLANS

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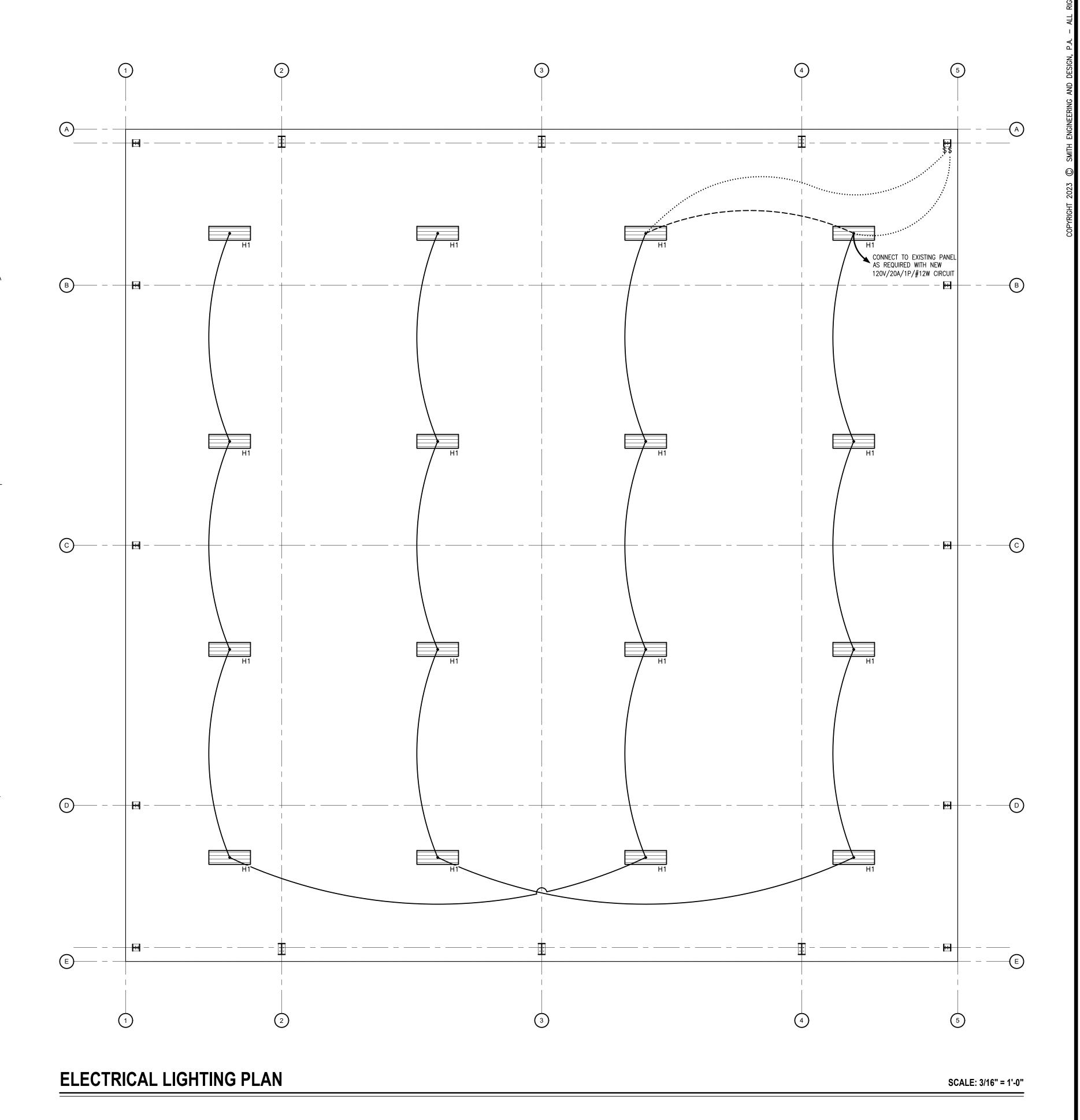
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EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)

MOTOR HORSEPOWER N/A - NO MOTORS LARGER THAN 1 HP SPECIFIED ON THESE PLANS
NUMBER OF PHASES
MINIMUM EFFICIENCY
MOTOR TYPE



 DATE:
 17 October 2023

 DRAWN BY:
 T.B.

 SCALE:
 3/16" = 1'-0"