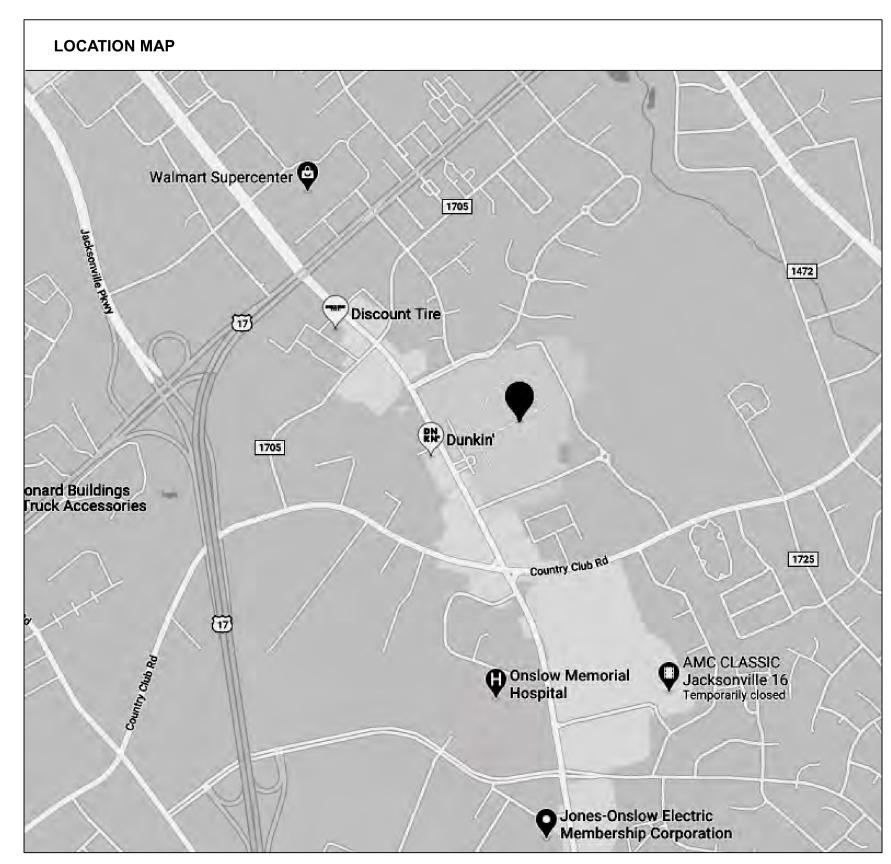
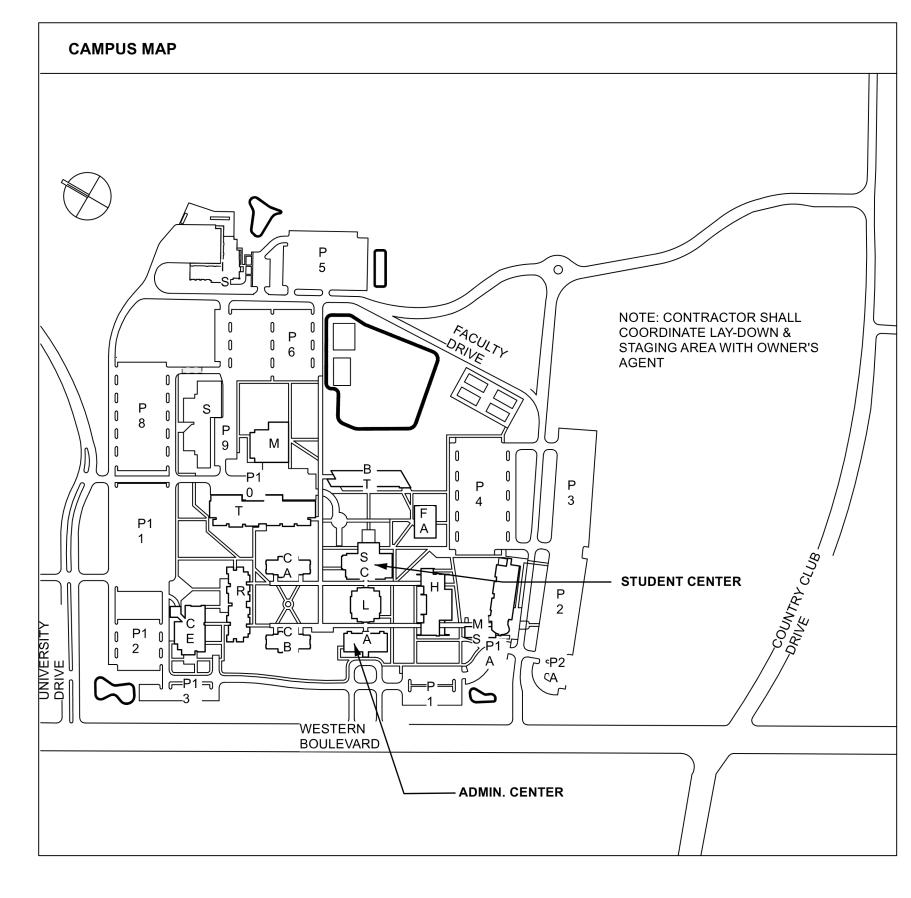
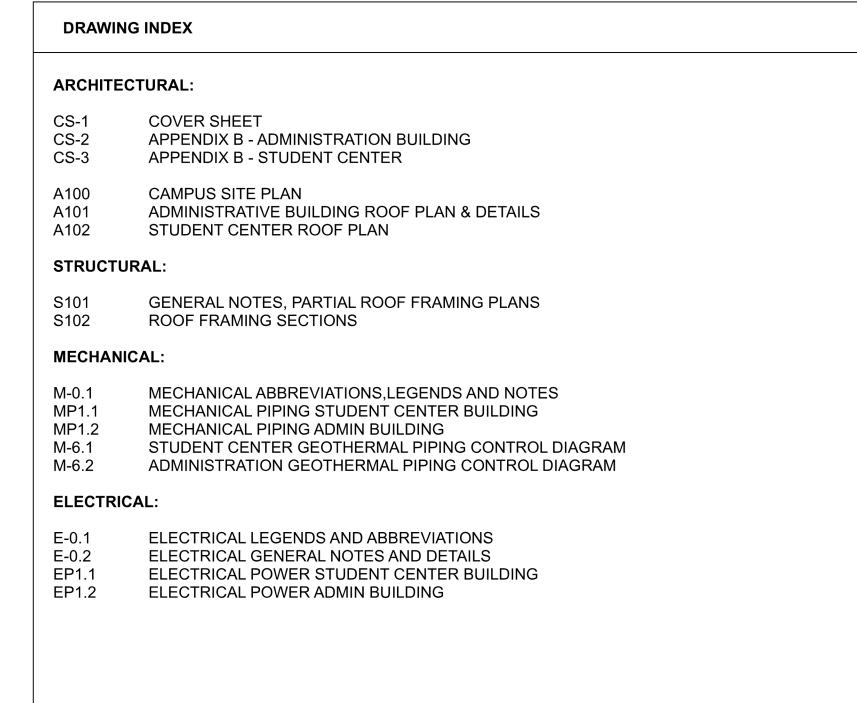
# Coastal Carolina Community College Administration Building & Student Center Supplemental Cooling

444 Western Boulevard Jacksonville, North Carolina 28546 SCO # 24-28039-01A









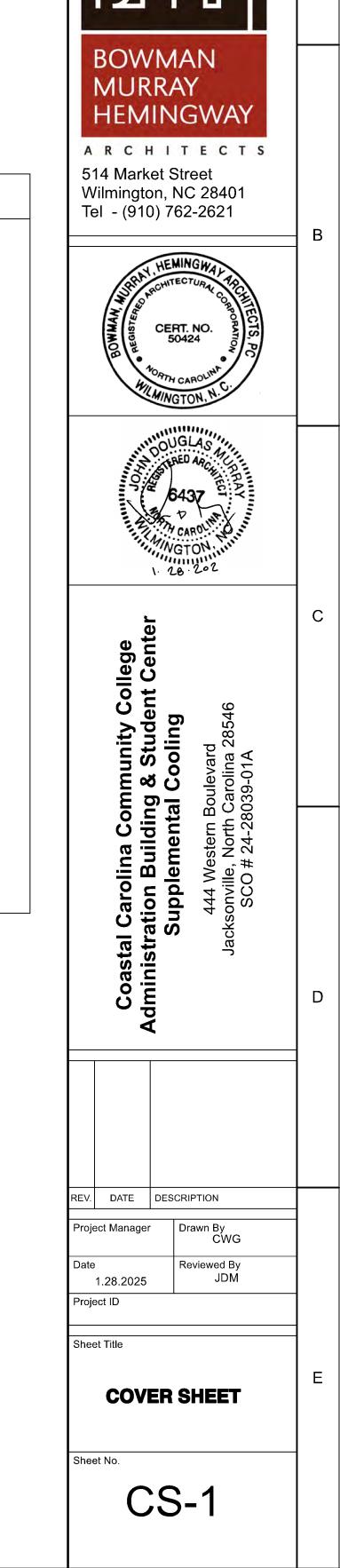
Bowman Murray Hemingway Architects, PC

514 Market Street Wilmington, NC 28401 Phone (910) 762-2621 www.bmharch.com

### Structural:

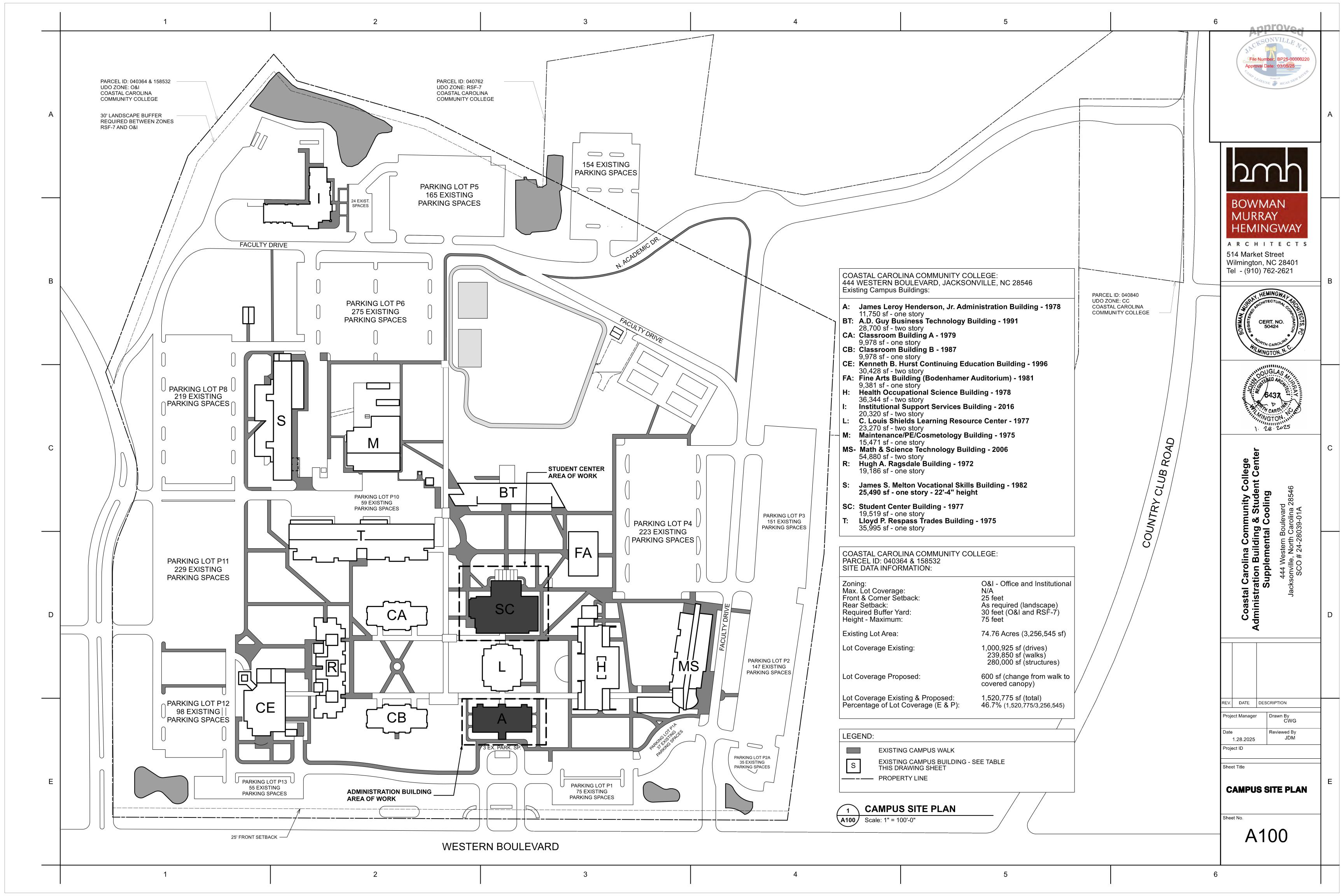
Woods Engineering 254 North Front Street, Suite 201 Wilmington, NC 28401 (910) 343-8007

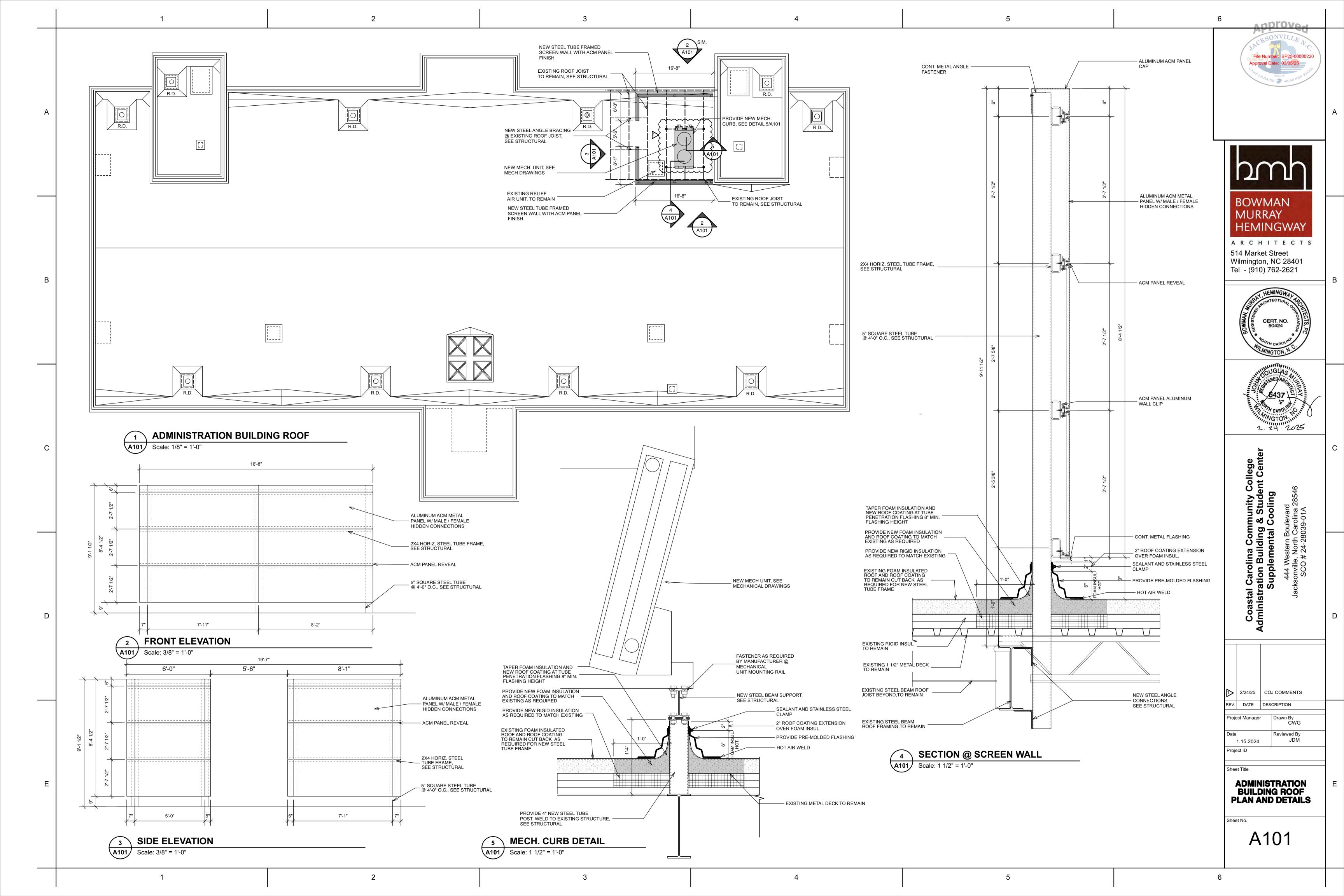
Plumbing / Mechanical / Electrical: CBHF Engineers, PLLC. 2246 Yaupon Drive Wilmington, NC 28401 (910) 791-4000

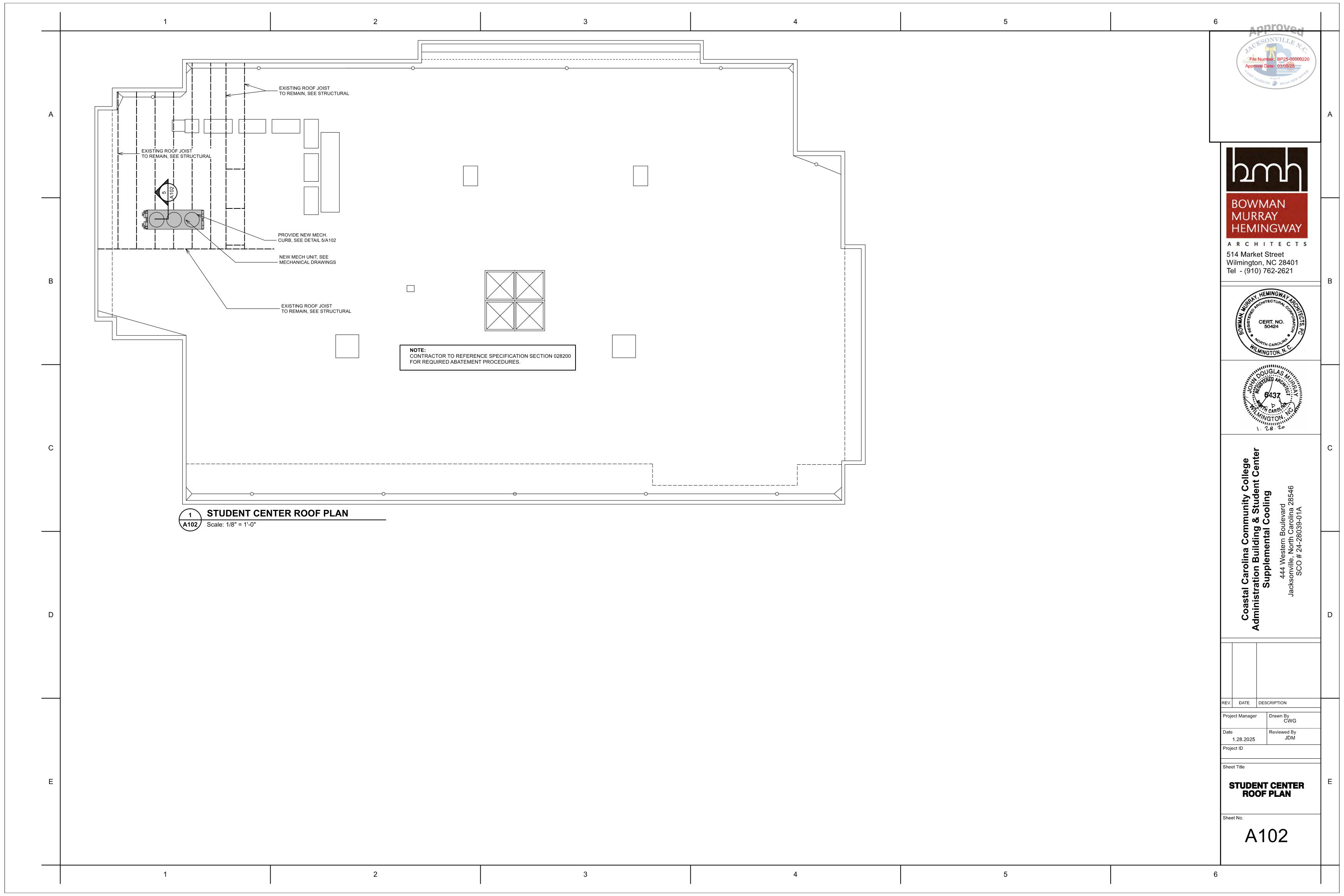


	1	2 3	4	5	6
	0040 ADDENDIV D				Approved  JACKSONVILLE N.C.
	2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS  (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)  (Reproduce the following data on the building plans sheet 1 or 2)	Mixed Occupancy:  No Yes Separation: Hr. Exception:  Non-Separated Use (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.	STRUCTURAL DESIGN  DESIGN LOADS: Importance Factors:		Approval Date: 03/05/25  CAMPALE JEUNE MCAS NEW RATES
Δ		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 shall not exceed 1.  Area of Occupancy A Area of Occupancy B	Snow ( $I_s$ ) $1.0$ Seismic ( $I_E$ ) $1.0$ Live Leads: Poof $20$ pef		Δ
	Name of Project: Coastal Carolina Community College Administration Building Supplemental Cooling  Address: 444 Western Boulevard, Jacksonville North Carolina  Zip code: 28546  Owner/Authorized Agent: BMH Architects Phone #: (910) 762-2621 E-mail:murray@bmharch.com	Area of Occupancy A Allowable Area of Occupancy A + Area of Occupancy B Allowable Area of Occupancy B  + Allowable Area of Occupancy B  + 1	Mezzanine Floor N/A psf N/A psf Ground Snow Loads:  10 psf		
	Owned by:  Code Enforcement Jurisdiction:  City   County   Private   State    Code Enforcement Jurisdiction:   State    Contact:   John D. Murray ,AIA	STORY NO. DESCRIPTION (A) (B) (C) 1,5 (D) 2,3 AND USE BLDG AREA TABLE AREA FOR AREA PER PER STORY 506.2 4 FRONTAGE STORY OR	Wind Loads:  Ultimate Wind Speed 138 mph (ASCE-7) Exposure Category  SEISMIC DESIGN CATEGORY:  D  M  B  C  D  D		
	DESIGNER FIRM NAME LICENSE TELE. E-MAIL Architectural Bowman Murray Hemingway John D. Murray 6437 910-762-2621 murray@bmharch.com  Civil Electrical CBHF Engineers Allen Cribb 023311 910-791-4000 acribb@cbhfengineers.com	(ACTUAL)   AREA   INCREASE   UNLIMITED	Provide the following Seismic Design Parameters:  Risk Category (Table 1604.5)  Spectral Response Acceleration  SS 11.2 %g S1 5.4 %g  Site Classification (ASCE 7)  A B C D D F		BOWMAN
	Fire Alarm Plumbing Mechanical CBHF Engineers David Hahn 23554 910-791-4000 dhahn@cbhfengineers.com Sprinkler-Standpipe Structural CBHF Engineers David Hahn 23554 910-791-4000 dhahn@cbhfengineers.com dhahn@cbhfengineers.com dhahn@cbhfengineers.com adam@woodseng.com	<sup>1</sup> 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)	Data Source:  Field Test Presumptive Historical Data  Basic Structural System  Bearing Wall Dual w/Special Moment Frame  Building Frame Dual w/Intermediate R/C or Special Steel  Moment Frame Inverted Pendulum		HEMINGWAY ARCHITECTS
В	Retaining Walls > 5' High  Other  ("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)	b. Total Building Perimeter =(P)  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] x W/30 =(%)	Analysis Procedure Simplified Equivalent Lateral Force Dynamic Architectural, Mechanical, Components anchored? Yes No  LATERAL DESIGN CONTROL: Earthquake Wind		514 Market Street Wilmington, NC 28401 Tel - (910) 762-2621 B
	2018 NC BUILDING CODE:  New Building Addition Renovation  1st Time Interior Completion  Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements  Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements.	<sup>2</sup> Unlimited area applicable under conditions of Section 507. <sup>3</sup> Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). <sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4. <sup>5</sup> Frontage increase is based on the unsprinklered area value in Table 506.2.	SOIL BEARING CAPACITIES: SEE STRUCTURAL DRAWINGS  Field Test (provide copy of test report) N/A psf Presumptive Bearing capacity N/A psf Pile size, type, and capacity N/A psf		WWW AND THE CITY OF THE CORPORATION OF THE CORPORAT
	2018 NC BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14  Alteration:  Level II Level III Level III	ALLOWABLE HEIGHT  ALLOWABLE SHOWN ON PLANS  CODE REFERENCE 1	MECHANICAL SUMMARY  MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT		WILMINGTON, N.C.
	Alteration: Level I Level II Level III  Historic Property  CONSTRUCTED: (date) 1975 CURRENT OCCUPANCY(S) (Ch.3): Business	BUILDING HEIGHT IN FEET  (TABLE 504.3) <sup>2</sup> BUILDING HEIGHT IN STORIES  3  1	(For further information refer to mechanical schedules)  Thermal Zone: 3A - Warm/Humid  winter dry bulb: 23 degrees F  summer dry bulb: 93 degrees F		G437 G437
	RENOVATED:   2024   PROPOSED OCCUPANCY(S) (Ch.3) :   Business	<sup>1</sup> Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. <sup>2</sup> The maximum height of air traffic control towers must comply with table 412.3.1.	Interior design conditions  winter dry bulb:  summer dry bulb: relative humidity:  70 degrees F  75 degrees F  60 degrees RH (design - not controlled)		WGTON LAND 128 2025
С	BASIC BUILDING DATA:  Construction Type:	The maximum height of open parking garages must comply with table 406.5.4.  FIRE PROTECTION REQUIREMENTS	Building heating load:  Existing Equipment  Existing Equipment		<b>D</b> C
	(check all that apply)         ☐ I-B         ☐ III-B         ☐ V-B           Sprinklers:         ☐ No         ☐ Partial         ☐ Yes         ☐ NFPA 13         ☐ NFPA 13R         ☐ NFPA 13D	LIFE SAFETY SYSTEM REQUIREMENTS (NOT APPLICABLE)	Mechanical Spacing Conditioning System  Unitary  description of unit: N/A - Existing Equipment		College ent Cent
	Standpipes:       No       Yes       Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry         Fire District:       No       Yes       Flood Hazard Area: ☐ No ☐ Yes         Special Inspections Required:       No       Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)	ACCESSIBLE DWELING UNITS (SECTION 1107) (NOT APPLICABLE)	heating efficiency:  cooling efficiency:  size category of unit:  N/A - Existing Equipment  N/A - Existing Equipment  N/A - Existing Equipment  N/A - Existing Equipment		Stude ooling
	Gross Building Area Table	ACCESSIBLE PARKING (SECTION 1106)  (NOT APPLICABLE)  PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)	Size category. If oversized, state reason: N/A  Chiller  Size category. If oversized, state reason: N/A		Commucal Com
	FLOOR         EXISTING (SQ. FT.)         NEW (SQ. FT.)         SUB-TOTAL           3rd Floor         2nd Floor         4nd Floor         <	(NOT APPLICABLE)  SPECIAL APPROVALS	List equipment efficiencies:		l Carolina Cration Build Supplemer 444 Wester cksonville, Nord SCO # 24-
	TOTAL  ALLOWABLE AREA  Primary Occupancy Classification(s):	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)  North Carolina State Construction Office  City of Jacksonville	ELECTRICAL SYSTEM AND EQUIPMENT (For further information refer to electrical schedules)  Method of Compliance:  Energy Code: Prescriptive Performance		asta nistı
D	Assembly A-1 A-2 A-3 A-4 A-5  Business Educational	ENERGY SUMMARY  ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation 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.	ASHRAE 90.1: Prescriptive Performance  Lighting schedule (each fixture type)  lamp type required in fixture: number of lamps in fixture: ballast type used in the fixture:		Ad Bi
	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 Condition 1 2  I-2 Condition 1 2	Existing building envelope complies with code:  No Yes (The remainder of this section is not applicable)  Exempt Building:  No Yes (Provide code or statutory reference:)  Climate Zone:  3A A A A A A A A A A A A A A A A A A A	number of ballasts in fixture: total wattage per fixture: total interior wattage specified vs allowed (whole building or space by space) Whole Building: Specified,Allowed total exterior wattage specified vs allowed		
	I-3 Condition		Exterior:Specified,Allowed  Additional Prescriptive Compliance  506.2.1 More Efficient Mechanical Equipment		REV. DATE DESCRIPTION  Project Manager Drawn By
	Mercantile		□ 506.2.2 Reduced Lighting Power Density □ 506.2.3 Energy Recovery Ventilation Systems □ 506.2.4 Higher Efficiency Service Water Heating □ 506.2.5 On-Site Supply of Renewable energy □ 506.2.6 Automatic Daylighting Control Systems		Date Reviewed By 1.28.2025 JDM  Project ID
E	Utility and Miscellaneous  Accessory Occupancy Classification(s): N/A  Incidental Uses (Table 509): N/A				APPENDIX B - ADMINISTRATION BUILDING
	Special Uses (Chapter 4 - List Code Sections): N/A  Special Provisions: (Chapter 5 - List Code Sections): N/A				Sheet No.
					CS-2

1	2	4	5 ANDTOVO
2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIA  (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOL  (Reproduce the following data on the building plans sheet	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.	DESIGN LOADS: Importance Factors: Snow (L)	File Number: BP25-00000220 Approval Date: 03/05/25
	floor area for each shall not exceed 1.  Area of Occupancy A Allowable Area of Occupancy B Allowable Area of Occupancy A Allowable Area of Occupancy B Allowable Area of Occupancy B  The State Area of Occupancy B Allowable Area of Occupancy B  The State Area of Occupancy B Allowable Area of Occupancy B Allowable Area of Occupancy B  The State Area of Occupancy B Allowable Area of Occupancy B  The State Area of Occupancy B Allowable Area of Occupancy B A	Live Loads:  Roof Mezzanine Floor N/A psf psf N/A psf  Around Snow Loads:  In psf	
Code Enforcement Jurisdiction: City Jacksonville County  CONTACT: John D. Murray ,AIA  DESIGNER FIRM NAME LICENSE # TELE. #  Architectural Bowman Murray Hemingway John D. Murray 6437 910-762-2621	∑ State	SEISMIC DESIGN CATEGORY:  Provide the following Seismic Design Parameters:	
Civil         CBHF Engineers         Allen Cribb         023311         910-791-4000           Fire Alarm         Plumbing         David Hahn         23554         910-791-4000           Mechanical         CBHF Engineers         David Hahn         23554         910-791-4000           Sprinkler-Standpipe         CBHF Engineers         David Hahn         23554         910-791-4000		<b>\</b>	BOWMAN MURRAY HEMINGWAY
Structural Woods Engineering PA Adam Sisk 41563 910-343-8007  Retaining Walls > 5' High  Other  ("Other" should include firms and individuals such as truss, precast, pre-engineered, interior design  2018 NC BUILDING CODE:  New Building  Addition  Re	c. Ratio (F/P) = $\frac{96}{\text{(F/P)}}$ d. W = Minimum width of public way = $\frac{30}{\text{(W)}}$ e. Percent of frontage increase $I = f = 100 \text{ [F/P - 0.25]} \times \text{W/30} = \frac{71}{\text{(\%)}}$ unovation  2 Unlimited area applicable under conditions of Section 507.	Moment Frame ☐ Inverted Pendulum  Analysis Procedure ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic  Architectural, Mechanical, Components anchored? ☐ Yes ☐ No  LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐	514 Market Street Wilmington, NC 28401 Tel - (910) 762-2621
□ 1st Time Interior Completion □ Shell/Core - Contact the local inspection jurisdiction procedures and requirements □ Phased Construction - Shell/Core - Contact the local jurisdiction for possible additional procedures and response to the local procedures and response to the local procedure in the local inspection jurisdiction for possible additional procedures and response to the local inspection jurisdiction for possible additional procedures and response to the local inspection jurisdiction procedures.	Frontage increase is based on the unsprinklered area value in Table 506.2.  I inspection equirements.		WILMINGTON, N. C.
CONSTRUCTED: (date) 1975 CURRENT OCCUPANCY(S) (Ch.3):	BUILDING HEIGHT IN FEET (TABLE 504.3) <sup>2</sup> ALLOWABLE SHOWN ON PLANS REFERENCE SHOWN ON PLANS (TABLE 504.3) <sup>2</sup> SHOWN ON PLANS	MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT (For further information refer to mechanical schedules)  Thermal Zone: 3A - Warm/Humid winter dry bulb: 23 degrees F summer dry bulb: 93 degrees F  Interior design conditions	6437 EREC ARCHITECTURE OF THE PARCHET OF THE PARCHE
RISK CATEGORY (Table 1604.5)  Current:		winter dry bulb: summer dry bulb: relative humidity:  Building heating load:  Existing Equipment  Figure Fi	2. 24. 2025
Construction Type:         I-A         II-A         III-A           (check all that apply)         I-B         II-B         III-B           Sprinklers:         No         Partial         Yes         NFPA 13         NI           Standpipes:         No         Yes         Class         I         III         III         III	FPA 13R	Mechanical Spacing Conditioning System  Unitary  description of unit: heating efficiency:    District	College ent Cente
Fire District: No Yes Flood Hazard Area: No  Special Inspections Required: No Yes (Contact the local inspection juge for additional procedures and required)  Gross Building Area Table	Yes isdiction ements.)  ACCESSIBLE DWELING UNITS (SECTION 1107) (NOT APPLICABLE)  ACCESSIBLE PARKING (SECTION 1106) (NOT APPLICABLE)	cooling efficiency:  Size category of unit:  N/A - Existing Equipment  Boiler  Size category. If oversized, state reason:  N/A  Chiller	ommunity ing & Stude tal Cooling Boulevard Carolina 2854
FLOOR         EXISTING (SQ. FT.)         NEW (SQ. FT.)           3rd Floor         2nd Floor         2nd Floor           Mezzanine         1st Floor         14,260         0           Basement         TOTAL         TOTAL	SUB-TOTAL PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) (NOT APPLICABLE)  14,260 SPECIAL APPROVALS Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below) North Carolina State Construction Office	Size category. If oversized, state reason: N/A  List equipment efficiencies: N/A - Existing Equipment  ELECTRICAL SUMMARY  NOT REQUIRED FOR PROJECT - LIGHTING IS NOT A PART OF PROJECT  ELECTRICAL SYSTEM AND EQUIPMENT (For further information refer to electrical schedules)	l Carolina Cc ation Buildi Supplement 444 Western cksonville, North SCO # 24-28
ALLOWABLE AREA  Primary Occupancy Classification(s):  Assembly	City of Jacksonville  ENERGY SUMMARY  ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Summary	Method of Compliance:  Energy Code: Prescriptive Performance  ASHRAE 90.1: Prescriptive Performance  Lighting schedule (each fixture type)	Coastal Administra
Educational	Conservation Code shall also be provided. Each Designer shall furnish the required portions of the project informate the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs and energy cost for the proposed design.  Existing building envelope complies with code:  No Yes (The remainder of this section is not a section in the proposed design).  Exempt Building:  No Yes (Provide code or statutory reference:)  Climate Zone:  3A 4A 5A	number of lamps in fixture: ballast type used in the fixture:	2/24/25 COJ COMMENT REVISION
	4	Additional Prescriptive Compliance  506.2.1 More Efficient Mechanical Equipment  506.2.2 Reduced Lighting Power Density  506.2.3 Energy Recovery Ventilation Systems  506.2.4 Higher Efficiency Service Water Heating  506.2.5 On-Site Supply of Renewable energy	REV.   DATE   DESCRIPTION
Parking Garage Open Enclosed Repair Garage  Utility and Miscellaneous  Accessory Occupancy Classification(s): N/A  Incidental Uses (Table 509): N/A		506.2.6 Automatic Daylighting Control Systems	Sheet Title  APPENDIX B - STUDENT CENTER
Special Uses (Chapter 4 - List Code Sections): N/A  Special Provisions: (Chapter 5 - List Code Sections): N/A			Sheet No.  CS-3







ADMINISTRATION BUILDING PARTIAL ROOF FRAMING PLAN

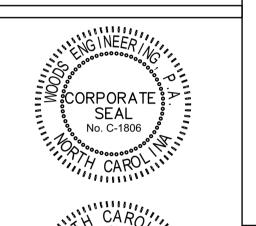
Suite 201

254 North Front Street Phone: 910.343.8007 Fax: 910.343.8088 Wilmington, NC 28401 www.woodseng.com



BOWMAN **MURRAY HEMINGWAY** ARCHITECTS

514 Market Street Wilmington, NC 28401 Tel - (910) 762-2621 Fax - (910) 762-8506





2/24/2025 COJ COMMENTS DESCRIPTION

Project Manager Reviewed By

Project ID

GENERAL NOTES, PARTIAL ROOF

S101

the free to the fact of the same of the sa **ROOF TOP UNIT LOCATION ADJUSTED** 

(E)W16x31

COMPONENT & CLADDING FLAT ROOF ZONES h = 18ft "mean roof height"

PER SECTION 3404 Alterations to existing buildings.

following conditions are met:

Alterations are permitted to be made to any structure without requiring the structure to comply

with Sections 1613 provided the alteration complies with requirements for new structures and the

1. The alteration does no increase the seismic force in any element by more than 10

2. The alteration does not decrease the design strength of any existing structural

The alteration does comply with new structure requirements and does not increase forces or decrease strength therefore the existing structure is not required to comply with Section 1613.

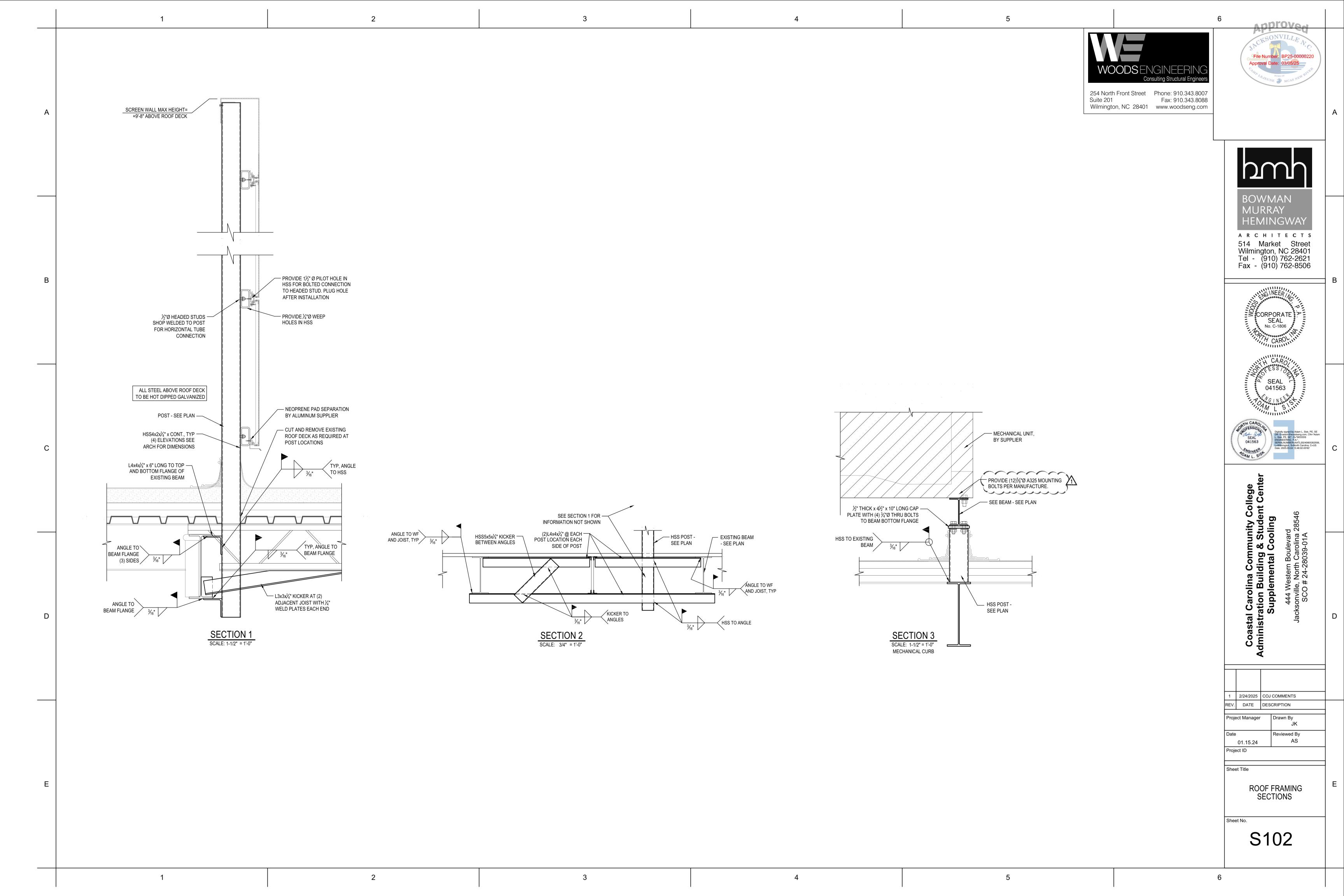
element to resist seismic forces by more than 10%.

percent or decrease the strength of any existing member by more than 10 percent.

PARTIAL ROOF FRAMING PLAN

01.15.24

FRAMING PLANS



MECHA	NICAL PIPE SYMBOLS
丛	3-WAY CONTROL VALVE
又	2-WAY CONTROL VALVE
M	BALL VALVE
$\sim$	BLOCK VALVE / SHUTOFF VALVE
Ŷ.	GAUGE
<u> </u>	ANGLE VALVE
÷	DRAIN
Ń	CHECK VALVE
	GLOBE VALVE
©)(	FLOW TRANSMITTER
Τ	STEAM TRAP
RPZ	RPZ
NC	NORMALLY CLOSED
	BOILER BLOWDOWN VALVE (SUPPLIED WITH BOILER)
Ŋ	BOILER STOP CHECK VALVE
	FLANGED BUTTERFLY VALVE
$\circ$	FLANGE
ф	FLOW MEASURING ORIFICE

NOTE: ALL ITEMS MAY NOT BE USED IN PROJECT.

MECHANICAL	MECHANICAL LEGEND									
//////	INDICATES TO DEMOLISH									
	EXTENT OF DEMOLITION									
	POINT OF CONNECTION									

NOTE: ALL ITEMS MAY NOT BE USED IN PROJECT.

MECHANICAL SUMMARY	
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMEN	NT
CLIMATE ZONE	3A - WARM/HUMID
WINTER DRY BULB:	23 °F
SUMMER DRY BULB	93 °F
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	70 °F
SUMMER DRY BULB	75 °F
RELATIVE HUMIDITY	60°RH*
	*DESIGN- NOT CONTROLLED
BUILDING HEATING LOAD:	EXISTING EQUIPMENT
BUILDING COOLING LOAD:	EXISTING EQUIPMENT
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT:	N/A EXISTING EQUIPMENT
HEATING EFFICIENCY:	N/A EXISTING EQUIPMENT
COOLING EFFICIENCY:	N/A EXISTING EQUIPMENT
SIZE CATEGORY OF UNIT:	N/A EXISTING EQUIPMENT
BOILER	
SIZE CATEGORY, IF OVERSIZED STATE REASON:	N/A
CHILLER	
SIZE CATEGORY, IF OVERSIZED STATE REASON:	N/A
LIST EQUIPMENT EFFICIENCIES:	N/A EXISTING EQUIPMENT

ABBREVIATION	TERM
ADJ	ADJUSTABLE
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION
AMP	AMPERE (AMP, AMPS)
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
CFM	CUBIC FEET PER MINUTE
CIP	CAST IN PLACE
CMU	CONCRETE MASONRY UNIT
COP	COEFFICIENT OF PERFORMANCE
DB	DRY BULB
DEG OR °	DEGREE
EA	EXHAUST AIR
EG	EXHAUST GRILLE
EAT	ENTERING AIR TEMPERATURE
ECM	ELECTRONICALLY COMMUTATED MOTOR
EER	ENERGY EFFICIENCY RATIO
ESP	EXTERNAL STATIC PRESSURE
F	FAN
°F	FAHRENHEIT
FLA	FULL LOAD AMPS
FT	FEET FEET
HC	HOT WATER COIL
HGT OR H	HEIGHT
HP HP	HORSEPOWER
HP HR	HOUR(S)
IN.	INCH
INWG	INCHES WATER GAUGE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
L	LOUVER
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MCWB	MEAN COINCIDENT WET BULB
MIN.	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OZ	OUNCE
OA	OUTSIDE AIR
%	PERCENT
RA	RETURN AIR
RG	RETURN GRILLE
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SF	SQUARE-FEET
SG	SUPPLY GRILLE
SQ	SQUARE
TG	TRANSFER GRILLE
TYP	TYPICAL
UH	UNIT HEATER
V/PH/HZ	VOLT/PHASE/HERTZ
VTR	VENT THROUGH ROOF
W	WIDTH
WB	WET BULB
WWR	WELL WATER RETURN
WWS	WELL WATER SUPPLY

**MECHANICAL ABBREVIATIONS** 

WELL WATER SUPPLY NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ALTERNATE APPROVED MANUFACTURER	TYPE	SERVICE	FLUID	HEAT REJECTI	ON AIR S	SIDE			WATER SI	DE				INLET AND OUTLET		ECTRICAL LTAGE	(UNIT) FLA	NIT) A MCA MOCP		OPERATING WEIGHT	NOTES	ACCE	SSORIES
							(MBH)	FANS (QTY		OW HP (EA.	FAN MOTOR	R FLOW (GPM)	EWT (°F)		1	PRES. DROF (PSI)	SIZE (IN.)	(IN.) (V/PH/HZ)		(A)	(A)	(A)	(LBS)			
CCC1-A	EVAPCO	EAW-VD91S2MA320P7-432AXSP06	POOLPAK, DIRECT COIL	INDUCED DRAFT	FLUID COOLER	WATER		708	2 35	5,617 4	.29 ECM	145.00	113.0	103.2	80.0	5.	76	2	460/3/60	12.0	15.0	20	2,4	50	1	A THRU
CCC1-SC	EVAPCO	EAW-VD91S3MA24716-425AXSP02	POOLPAK, DIRECT COIL	INDUCED DRAFT	FLUID COOLER	WATER		700	3 48	3,133	3.31 ECM	200.00	105.0	98.0	80.0	3.	90	3	208/3/60	28.9	36.2	40	3,3	90	1	A THRU
NOTES:	REFER TO SPECIFICA CTI 201 CERTIFIED.	TION SECTION 236500 - DRY CLOSED	CIRCUIT COOLERS FOR FUR	THER INFORMATION.					·	•								•	<u>'</u>							
	F INDIVIDUAL ALARM CO G TERMINAL BOX WITH A H FORK LIFT CHANNELS I RETURN BEND COVER J 304 STAINLESS STEEL	CTURAL DESIGN TOR SPECIFIED COILS EL COILS WITH COATED ALUMINUM FIR DNTACTS ANALOG INPUT		N, 0-10 VDC FAN CONTF	ROL, FAN STATUS AI	.ARM.																				

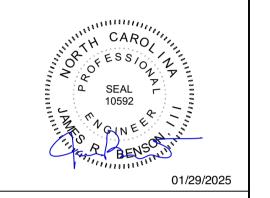


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BOWMAN MURRAY HEMINGWAY ARCHITECTS

514 Market Street Wilmington, NC 28401 Tel - (910) 762-2621 Fax - (910) 762-8506



01/28/25 ISSUED FOR CONSTRUCTION DATE DESCRIPTION

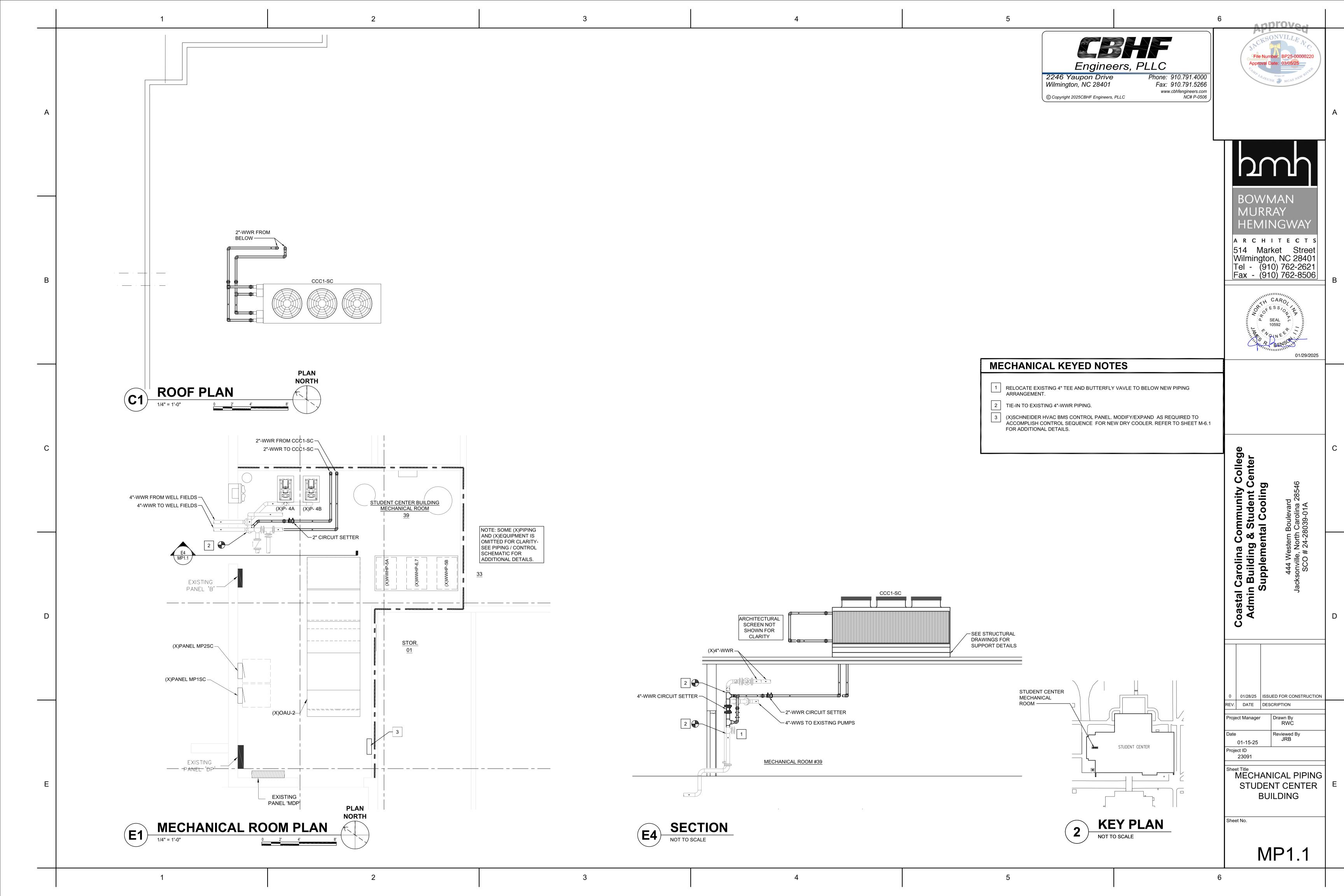
Project Manager Drawn By RWC Reviewed By

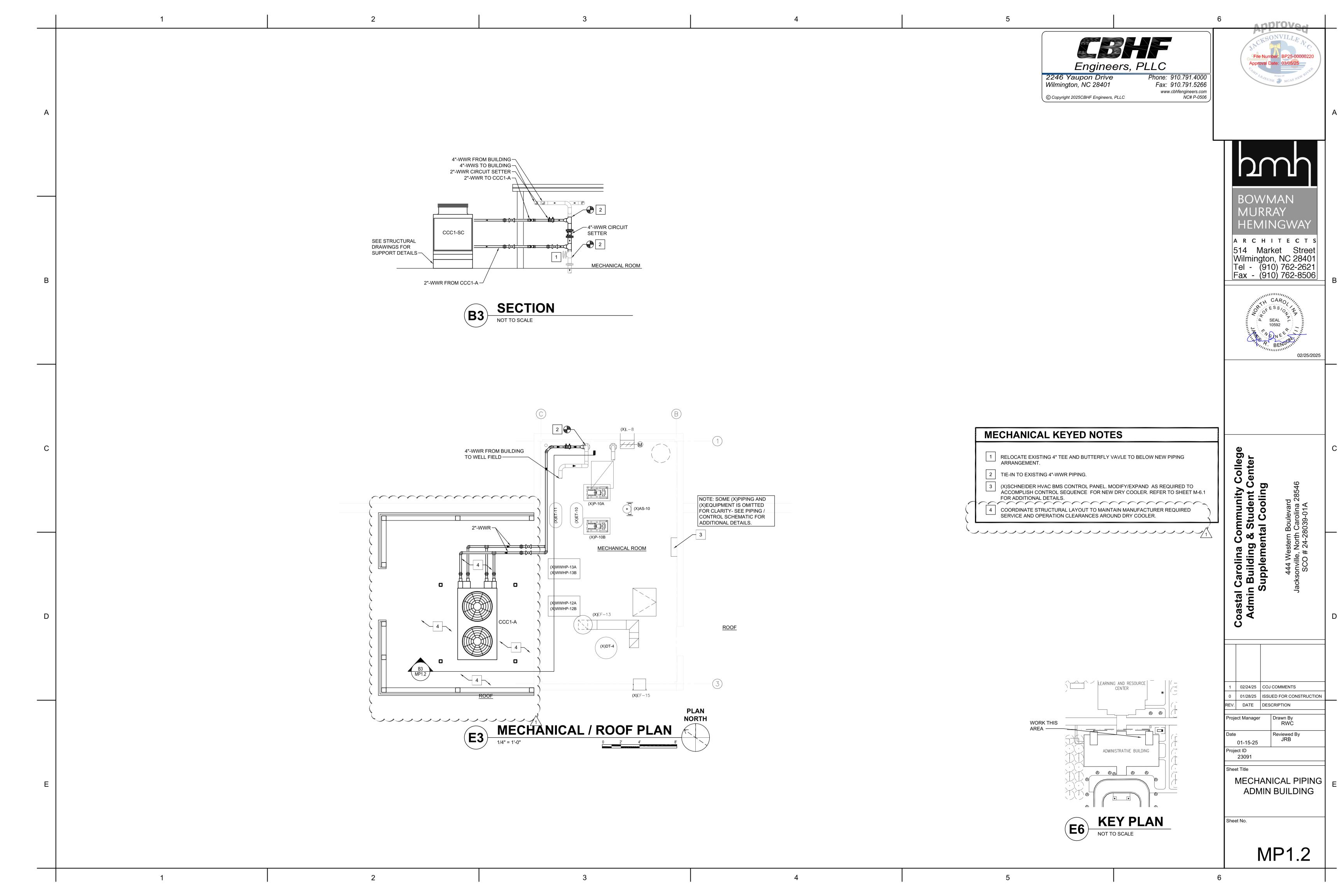
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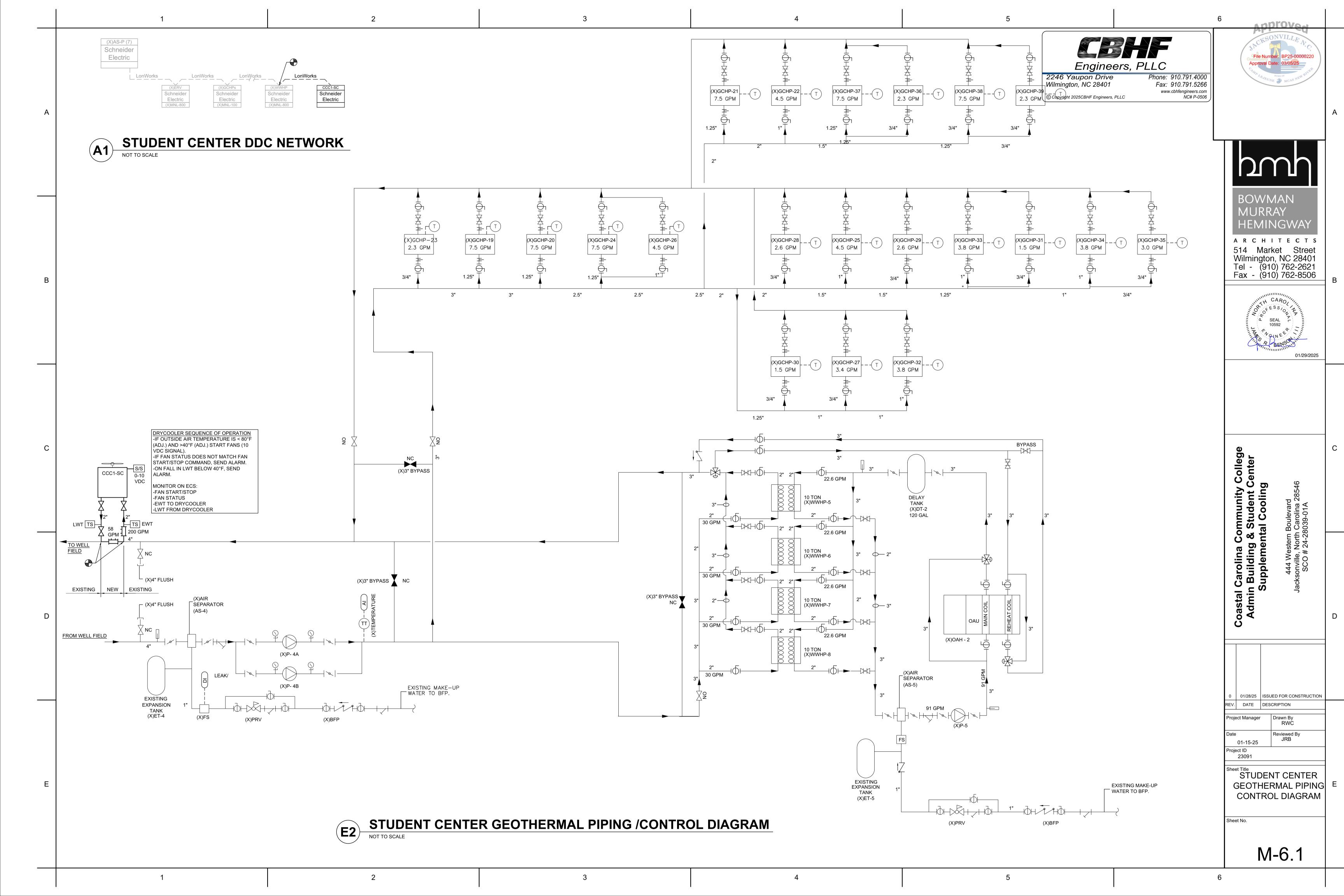
Sheet Title MECHANICAL ABBREVIATIONS,

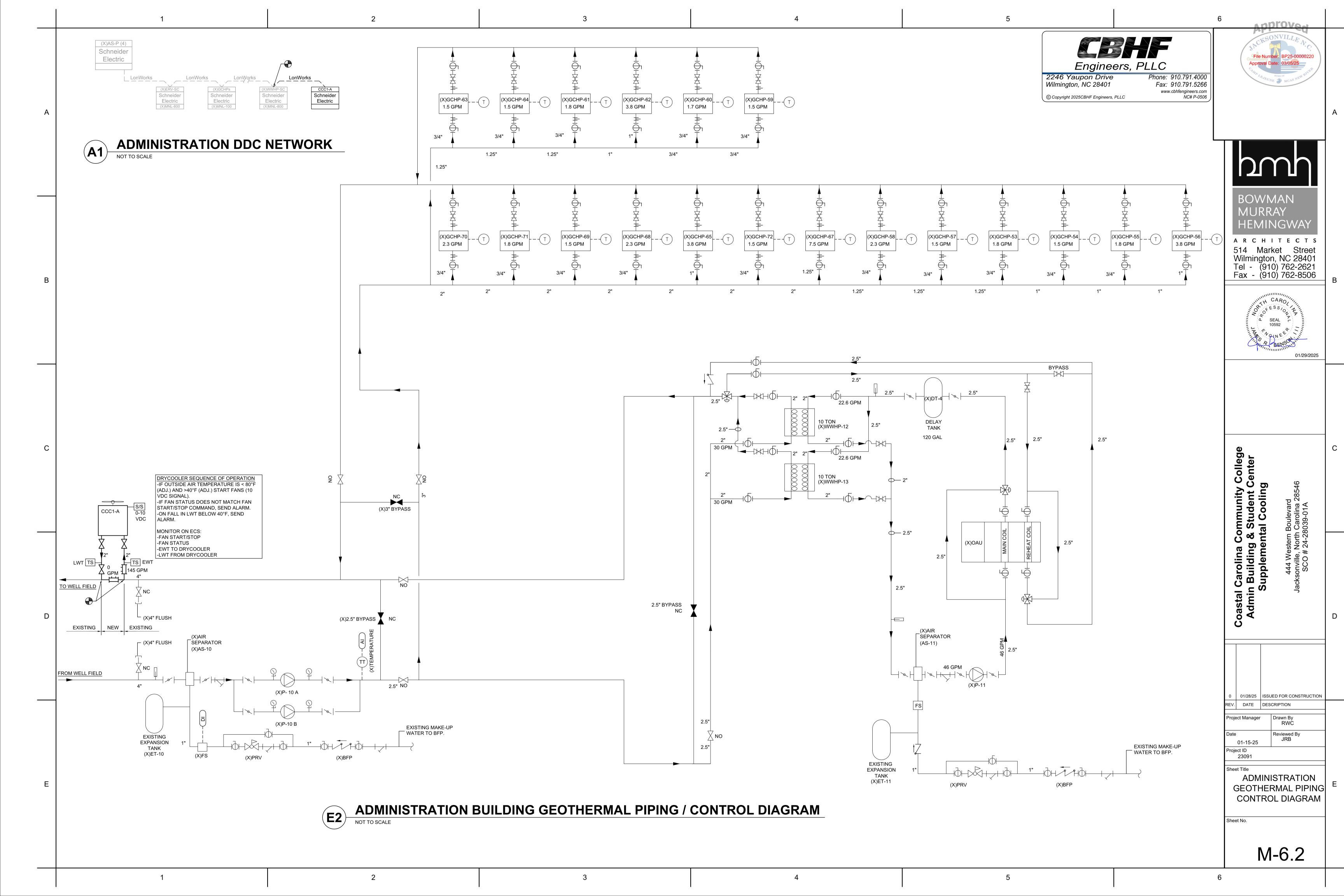
LEGENDS AND NOTES

M-0.1









	1	2		3		4		5	6 Approve
								Engineers, PLLC	File Number: BP25-00 Approval Date: 03/05/25
EL ECTRI	ICAL LEGEND						٦	2246 Yaupon Drive Phone: 910.791.400 Wilmington, NC 28401 Fax: 910.791.526	
SYMBOL	DESCRIPTION	SYMBOL DESC	RIPTION		SYMBOL	DESCRIPTION		www.cbhfengineers.cc © Copyright 2025CBHF Engineers, PLLC  VIII III III III III III III III III I	$m \mid \mathbf{I}$
~ //			NG MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 360° COV SECOND CONTACT TO BE PROVIDED FOR CONNECTION TO BUILDIN		0	2 START/STOP PUSHBUTTON CONTROLLER			
	CEILING FAN, SEE LIGHTING FIXTURE SCHEDULE FOR TYPE	CEILIN	NG MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, LONG RA	NGE COVERAGE	<b>\$</b> 00	3 UP/STOP/DN PUSHBUTTON CONTROLLER			
			MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 180° COVER		EPO 🗂	WALL MOUNTED 120V EMERGENCY OFF PUSH BUTTON WITH RED MUSHROOM STYLE HEAD WITH MANUAL PULL REST, NORMALLY OPEN, WITH CLEAR PROTECTIVE COVER. MOUNTED			
0	2x4 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED	WALL WALL	SECOND CONTACT TO BE PROVIDED FOR CONNECTION TO BUILDIN  MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, PIR TECHNOLOGY.	OLOGY	占	AT 46" AFF UNLESS OTHERWISE NOTED.  WALL MOUNTED PUSH PLATE MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.	OVARIOL	DECORPTION	
	2x2 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED	Y OCCU	JPANCY SENSOR, LOW VOLTAGE (24VDC) 19mA DRAW, WATTSTOPP RANGE SENSOR. INSTALL WHERE FREE OF OBSTRUCTIONS.	ER CX100-1,	208/120V		SYMBOL	DESCRIPTION  WALL MOUNTED DOUBLE GANG BOX FOR TELEVISION MOUNTED AT 72" AFF UNLESS NOT	
	4FT OR 8FT LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED	OCCU	MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, PIR TECHNO JPANCY SENSOR, LOW VOLTAGE (24VDC) 19mA DRAW, WATTSTOPP SIDED AISLEWAY. INSTALL WHERE FREE OF OBSTRUCTIONS.			PANELBOARD, SURFACE OR RECESSED MOUNTED AS SHOWN. SIZE, RATINGS, AND	모	OTHERWISE. BOX SHALL HAVE DUPLEX RECEPTACLE AND DATA CONNECTIONS FOR TELEVISION AS DIRECTED BY OWNER/CLIENT/TENANT. BOX SHALL BE PASS & SEYMOUR	
0			MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SINGLE BUT	TON ON/OFF		MOUNTING AS INDICATED ON PANEL SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR REQUIRED CLEARANCE IN FRONT OF ELECTRICAL PANEL. SEE NEC TABLE 110.26		TV2MW OR APPROVED EQUIVALENT.  CEILING MOUNTED DOUBLE GANG BOX FOR TELEVISION RECESSED IN CEILING. BOX SHA	
0	4FT OR 8FT CHANNEL LIGHT FIXTURE, SUSPENDED OR SURFACE MOUNTED	1 30/011	ROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE N MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTO			WORKING SPACES FOR ADDITIONAL CLEARANCE CONDITIONS.	0	HAVE DUPLEX RECEPTACLE AND DATA CONNECTIONS FOR TELEVISION AS DIRECTED BY OWNER/CLIENT/TENANT. BOX SHALL BE PASS & SEYMOUR TV2MW OR APPROVED EQUIVALENT.	HEMINGW
	UNDER COUNTER LIGHT FIXTURE	CONT	ROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE N	NOTED.		TRANSFORMED SIZE AS INDICATED ON BRAINING	<b> </b> ■	ELECTRIC STRIKE	ARCHITEC
8 0	DIRECT/INDIRECT FIXTURE, SUSPENDED	O\$D ON/OF	. MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTO FF CONTROL WITH 0-10V DIMMING, 180° COVERAGE, MOUNTED AT 4 SS OTHERWISE NOTED. WATTSTOPPER DW-311 OR EQUAL.			TRANSFORMER, SIZE AS INDICATED ON DRAWING	ML	MAGNETIC LOCK	514 Market S
<u>, , , ,</u>	TRACK WITH LIGHT KIT		MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTO TROL, 180° COVERAGE, ADDITIONAL POWER SUPPLY FOR FAN OPER			METER	<u>DO</u>	DOOR CONTACTS	Wilmington, NC 28 Tel - (910) 762-2
	RECESSED LIGHT FIXTURE	MOUN	NTED AT 46" AFF UNLESS OTHERWISE NOTED.	·		SERVICE POLE, HUBBEL, LEGRAND, OR EQUAL, EXTRUDED ALUMINUM SERVICE POLE,		CARD READER KEYPAD	Fax - (910) 762-8
>> ∑	SURFACE LIGHT FIXTURE		MOUNTED DIGITAL TIMED SWITCH (5 MIN'S TO 12 HR'S), SINGLE BUTON, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.	TTON ON/OFF	PP	2-CHANNELS WITH CEILING TRIM, ANODIZED ALUMINUM, MULTI-SERVICE, TWO-CHANNEL POLE WITH (2) KNOCKOUTS, (2) 20AMP RECEPTACLES. ADJUSTABLE T-BAR ASSEMBLY FOR MOUNTING POLES IN MIDDLE OF CEILING. UL LISTED. EACH POWER POLE SHOWN	MD	MOTION DETECTOR (TYPE DENOTED)	WILL CAROLLE
Ω			SSED SINGLE/DOUBLE GANG BOX WITH BLANK COVER PLATE, MOU SS OTHERWISE NOTED	INTED 16" AFF,		ON PLAN SHALL HAVE PROVISIONS FOR (2) DATA DROPS AND (1) VOICE DROP.	D—WP	WALL MOUNTED CAMERA, WP INDICATES WEATHERPROOF	ESSION A
ά ~	RECESSED WALL WASH LIGHT FIXTURE		SSED DEDICATED/PICTURE/CLOCK SINGLE OUTLET, 120VAC, 20A, N ATED ON DRAWING.	OUNTED AS	M	ELECTRICAL MOTOR	0-	CEILING MOUNTED CAMERA	Lalle Julian GINER
Q	WALL MOUNTED LIGHT FIXTURE	⊕ RECE	PTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHER\	WISE NOTED. (SEE	<del>1 1</del>	GROUND BUS, "E" INDICATES ELECTRICAL GROUND BAR, "TG" INDICATES TELECOMMUNICATIONS GROUND BAR	(S)	CEILING MOUNTED SPEAKER	CHANGINE ACLEN CRIMIN
⊗	EXIT SIGN, SINGLE FACE, CEILING, CHEVRON INDICATES DIRECTION.		TRICAL MOUNTING HEIGHT DETAIL) PTACLE, DUPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP	OR BACK SPLASH.		CABLE TRAY, LADDER TYPE	¥	WALL MOUNTED SPEAKER	01/2
<b>♦</b>	EXIT SIGN, DOUBLE FACE, CEILING MOUNTED, CHEVRON INDICATES DIRECTION.	— RECE	PTACLE, QUADPLEX, 120VAC, 20A MOUNTED 16"AFF UNLESS OTHEF TRICAL MOUNTING HEIGHT DETAIL)		++++	CABLE TRAY, CENTER HUNG TYPE  CABLE TRAY, BASKET TYPE		FLOOR MOUNTED DATA RACK	
<b>₩</b>	EXIT SIGN W/EMERGENCY LIGHTING UNIT, CEILING MOUNTED, CHEVRON INDICATES DIRECTION	<b>A</b>	PTACLE, QUADPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER T	OP OR BACK SPLASH.					
<b>↔</b>	EXIT SIGN, SINGLE FACE, WALL/END MOUNTED, CHEVRON INDICATES DIRECTION.		PTACLE, DUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 12 FF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIG			HAND HOLE, IN GRADE, TIER RATING AS INDICATED ON DRAWING		WALL MOUNTED DATA RACK	
¥ <b>A A A</b>		RECE	PTACLE, DUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 12	·		HATCHING INDICATES ITEMS TO BE DEMOLISHED. REMOVE DEVICE, EQUIPMENT, FIXTURE		PROJECTOR PAN, CEILING MOUNTED	
<b>‡ ♀ ‡</b>	EXIT SIGN, DOUBLE FACE, WALL/END MOUNTED, CHEVRON INDICATES DIRECTION.		NTED 6" ABOVE COUNTER TOP OR BACK SPLASH.  PTACLE, QUADPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE,	120\/AC 20A		INDICATED, CIRCUIT, AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE NOTED.			
	EXIT SIGN W/EMERGENCY LIGHTING UNIT, WALL/END MOUNTED, CHEVRON INDICATES DIRECTION.	H MOUN	NTED 16"AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNT	ING HEIGHT DETAIL)	1	DEMOLITION KEY NOTE SYMBOL	•(X)	1 HOUR RATED FIRE WALL - EXISTING	ω
4	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, WALL MOUNTED, "NOT		PTACLE, QUADPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, NTED 6" ABOVE COUNTER TOP OR BACK SPLASH.	, 120VAC, 20A,		KEY NOTE SYMBOL  REVISION DELTA		2 HOUR RATED FIRE WALL	leg er
	SWITCHED"		PTACLE, 250VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICA		<u>∠1</u> WP_WAP	WIRELESS ACCESS POINT, 1 DATA IN A DUAL GANG BOX WITH A SINGLE GANG PLASTER RING, OWNER SHALL PROVIDE SURGE PROTECTOR AND	<b>→ ♦ ♦</b> (X)	2 HOUR RATED FIRE WALL - EXISTING	Coll
\$	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, CEILING MOUNTED, "NOT SWITCHED"		PTACLE, 480VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICATION OF THE PTACLE, DUPLEX, 120VAC, 20A CEILING MOUNTED (LAY-IN / GYPBO)		WALL	WAP DEVICE, THE ELECTRICAL CONTRACTOR SHALL INSTALL. WP - LISTED WEATHER-RESISTANT TYPE DEVICE	***	3 HOUR RATED FIRE WALL - EXISTING	ity ( ing
	**FOR ALL LIGHTING FIXTURE TYPES ABOVE:	<b>_</b>	PTACLE, DUPLEX, 120VAC, 20A RECESSED FLOOR MOUNTED.	ins / coor Engls,	1V/1D	COMBINATION DATA/TELEPHONE OUTLET, MOUNTED 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 11/4" CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING FOR OUTLETS	——————————————————————————————————————		unit den ooli
	LETTER ADJACENT TO FIXTURE INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE		FED RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLES D. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)	S OTHERWISE	V V	LOCATED BELOW HARD (GYPBOARD) CEILINGS, ROUTE 11/4" CONDUIT TO TELEPHONE/DATA ROOM.  #V = NUMBER OF VOICE CONNECTIONS / #D = NUMBER OF DATA CONNECTIONS, IF INDICATED	(X)OHP ————————————————————————————————————	OVERHEAD PRIMARY CONDUCTORS - EXISTING - UNDERGROUND PRIMARY CONDUCTORS	
	POWER & SWITCH LEG	<b>⊕</b> UPS F	FED RECEPTACLE, QUADPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNL	ESS		WALL TELEPHONE OUTLET, MOUNTED 60" AFF UNLESS OTHERWISE NOTED. PROVIDE 11/4"	———(X)UGP		Som Resonated
	UNSWITCHED LEG  CONDUIT, HOME RUN TO PANEL BOARD		RWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL) RALL RECEPTACLE TYPES ABOVE:		abla	CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING FOR OUTLETS LOCATED BELOW HARD (GYPBOARD) CEILINGS, ROUTE 11/4" CONDUIT TO TELEPHONE/DATA ROOM.	OHS (X)OHS	<ul> <li>OVERHEAD SECONDARY CONDUCTORS</li> <li>OVERHEAD SECONDARY CONDUCTORS - EXISTING</li> </ul>	na (ng mel
(F)	PHOTOCELL, REMOTE MOUNTED, 120V, 10 SECOND TIME DELAY, UL WET LOCATION, RATED FOR 1500 W @ 120 VAC AND 4000 W @ 277 VAC (FOR USE WITH LAMP SOURCE(S)		XX"- INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF G ELECTRICAL MOUNTING HEIGHT DETAIL) VP - LISTED WEATHER-RESISTANT TYPE DEVICE WITH WEATHERPR	, ,	1V/1D	COMBINATION DATA/TELEPHONE OUTLET, RECESSED CEILING MOUNTED (LAY-IN / GYPBOARD) PROVIDE 11/4" CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING FOR OUTLETS	——————————————————————————————————————		
<u>.</u>	SHOWN.	T S	R - TAMPER RESISTANT S - INDICATES THE TOP RECEPTACLE OF THE DEVICE IS CONTROLLE		0	LOCATED BELOW HARD (GYPBOARD) CEILINGS, ROUTE 11/4" CONDUIT TO TELEPHONE/DATA ROOM.  #V = NUMBER OF VOICE CONNECTIONS / #D = NUMBER OF DATA CONNECTIONS, IF INDICATED	—— G ——	COPPER CLASS 1 CONDUCTOR ON ROOF	Caro Buil Suppl
\$	SWITCH, SINGLE POLE, 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED, SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.		I - DEVICE MOUNTED HORIZONTALLY I - USB IN-WALL CHARGER		1V/1D	COMBINATION POWER/DATA/TELEPHONE BOX, RECESSED FLOOR MOUNTED (POKE-THROUGH	—— GA ——	ALUMINUM CLASS 1 CONDUCTOR ON ROOF	In nin S
<b>\$</b> 3	3-WAY SWITCH, 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED SEE	VV/ OUAI	DNNECT SWITCH, FUSED, HEAVY DUTY, SIZE AS INDICATED ON DRA		9	SIMILAR TO HUBBELL S1PT4X4BRS). PROVIDE BRASS COVER PLATE WITH FLUSH ACCESS COVERS FOR EACH PLUG IN CONNECTION. PROVIDE PULL STRING IN CONDUIT. SEE DETAIL #, SHEET E###	——————————————————————————————————————		==st
	ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.		= DISCONNECT SIZE / # = NUMBER OF POLES / # = NEMA RATING, / # OSED BREAKER, HEAVY DUTY, SIZE AS INDICATED ON DRAWINGS	##AF = FUSE SIZE		COMBINATION POWER/DATA/TELEPHONE BOX, RECESSED FLOOR MOUNTED (CAST-IN-PLACE). PROVIDE BRASS COVER PLATE WITH FLUSH ACCESS COVERS FOR EACH PLUG IN	$\bigcirc$	GROUND ROD, COPPER, 3/4"DIA x 10'-0" LONG	3 \
<b>Ş</b> 4	4-WAY SWITCH 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED.	##A	= BREAKER SIZE / # = NUMBER OF POLES / # = NEMA RATING ABLE FREQUENCY DRIVE (VFD)		1V/1D ☑	CONNECTION. PROVIDE PULL STRING IN CONDUIT. SEE DETAIL #, SHEET E###  #V = NUMBER OF VOICE CONNECTIONS / #D = NUMBER OF DATA CONNECTIONS; 1"CND	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	COPPER AIR TERMINAL IN BRONZE BASE	
şş,	INDICATES BI-LEVEL SWITCHING, 1 SWITCH SWITCHES OUTSIDE LAMPS, 1 SWITCH SWITCHES INSIDE LAMPS. SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE LETTER	"Equip" —  #AMP			2G	UNDER SLAB TO NEAREST WALL, STUB ABOVE CEILING #G = GANG FLOOR BOX WITH TWO DUPLEX RECEPTACLES, VOICE AND DATA	"A"	ALUMINUM AIR TERMINAL IN ALUMINUM BASE	
	INDICATES FIXTURE SWITCHING, WHEN INDICATED.  WEATHERPROOF SWITCH, SINGLE POLE 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS	(#HP) STAR	TER, FULL VOLTAGE, SIZE AS INDICATED ON DRAWINGS		<b>⊠</b> FBX	4 GANG FLOOR BOX WITH DUPLEX RECEPTACLE AND DATA CAPABILITIES (CONFIRM WITH OWNER FOR REQUIREMENTS). PROVIDE METALLIC IN-USE COVER (HUBBELL CFB4G30CR	(T)	226V - STYLE THRU-ROOF CONNECTOR (TYPE T)	
\$ <sub>WP</sub>	OTHERWISE NOTED.		BINATION STARTER WITH CIRCUIT BREAKER DISCONNECT, FULL VO	LTAGE, SIZE AS		OR EQUIVALENT).  JUNCTION BOX - WALL MOUNTED		230V - STYLE THRU-ROOF CONNECTOR (TYPE T1)	
D\$	DIMMER SWITCH, 0-10V OR LINE VOLTAGE RATING AS REQUIRED BY LIGHTING FIXTURE(S). LINE VOLTAGE RATED DIMMERS MUST BE 1500W FOR 120 VAC AND 4000W 277VAC MINIMUM.	(#HP)	ATED ON DRAWINGS		<u>Н</u>	+##" - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (if given)	■ "BM"	LIGHTNING CONDUCTOR CABLE CONNECTOR	0 01/28/25 ISSUED FOR CONS
AFC\$	ADJUSTABLE FAN CONTROL, 120/277VAC, SINGLE POLE, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED, SEE ELECTRICAL DEVICES MOUNTING HEIGHT DETAIL. LOWER CASE	MANU M\$## AND S	JAL MOTOR STARTER, ELECTRICAL CONTRACTOR SHALL COORDINA SIZE WITH EQUIPMENT : AMPERAGE RATING WHEN INDICATED ON DRAWING	ATE POLES		JUNCTION BOX - CEILING/ABOVE CEILING MOUNTED  JUNCTION BOX - FLOOR MOUNTED			Project Manager Drawn By
	LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED		TON CONTROLLER					GROUNDING ELECTRODE CONDUCTOR, 10' COILED ABOVE GRADE	AJC  Date Reviewed By
	L ABBREVIATIONS:		•						01-15-25 WAC
	PERE CONTROL RELAY, CORROSION RES  OVE FINISHED FLOOR CS CONTROL SWITCH  OVE FINISHED GRADE CV CONTROL VALVE	SISTANT FA FAAP FACP		HIGH VOLTAGE HERTZ INTERMEDIATE M	METALLIC CONDUIT	MLO MAIN LUGS ONLY PH,φ MTD MOUNTED PLC MTG MOUNTING PNL	PHASE PROGRAMMABL PANFI	SW SWITCH SWBD SWITCHBOARD SWGR SWITCH GEAR	23091
AHU AIR AIC AMF	HANDLING UNIT CT CURRENT TRANSFORMER PERE INTERRUPTING CAPACITY CU COPPER	FBO FLA	FURNISHED BY OTHERS FULL LOAD AMPS  INCA	AND INCANDESCENT JUNCTION BOX		MTS MANUAL TRANSFER SWITCH PP MV MEDIUM VOLTAGE PT	POWER PANEL, POTENTIAL TRA	, POWER POLE TEL TELEPHONE ANSFORMER TPS TWISTED PAIR SHIELDED	Sheet Title  ELECTRICAL
AWG AME	TOMATIC TRANSFER SWITCH  ERICAN WIRE GAUGE  TOM OF FIXTURE  DC DIRECT CURRENT  DI DOOR INTERLOCK  DISC SW DISCONNECT SWITCH	FLUOR FLR FWE	R FLUORESCENT K FLOOR Kcm FURNISHED WITH EQUIPMENT KVA	THOUSAND il THOUSAND CIRC KILOVOLT AMPER		N, NEUT NEUTRAL PWR N/A NOT APPLICABLE RECPT NC NORMALLY CLOSED REQ'D	POWER RCP RECEPTACLE REQUIRED	TVSS, SPD TRANSIENT VOLTAGE SURGE SUPPRES TYP TYPICAL UG, UGND UNDERGROUND	LEGEND AND
BRKR BRE C, CND CON	AKER DN DOWN NDUIT EF EXHAUST FAN	GEN G, GNE	GENERATOR KW GROUND KWH	KILOWATTS H KILOWATT-HOUR	RS	NEC NATIONAL ELECTRIC CODE RGS NIC NOT IN CONTRACT RM	RIGID GALVANIZ ROOM	ZED STEEL CONDUIT  UH  UNIT HEATER  UON  UNLESS OTHERWISE NOTED	ABBREVIATIO
CAT CAT	EM EMERGENCY EALOG EMT ELECTRICAL METALLIC TUBING ORINE ENCL ENCLOSURE	GFI, GF HH HID	FCI GROUND FAULT CIRCUIT INTERRUPTER HANDHOLE HIGH INTENSITY DISCHARGE LP LTG MCE	LIGHTING PANEL LIGHTING MAIN CIRCUIT BF	,	NL       NIGHT LIGHT       RTU         NO       NORMALLY OPEN       SCR         NTS       NOT TO SCALE       SH	REMOTE TELEN DC MOTOR DRIV SHEET		Sheet No.
CB CIRC	CUIT BREAKER EPO EMERGENCY POWER OFF DSED CIRCUIT TELEVISION EQ, EQIP EQUIPMENT	HOA HP	HAND-OFF-AUTO MCC HORSE POWER MCF	MOTOR CONTRO  MOTOR CIRCUIT	OL CENTER PROTECTOR	P POLE SM PA PUBLIC ADDRESS SPEC	SURFACE MOUN SPECIFICATION	NTED W WIRE, WATT N WH WATT-HOUR	
	CUIT EWC ELECTRIC WATER COOLER EWH ELECTRIC WATER HEATER	HPF HPS HTR	HIGH POWER FACTOR HIGH PRESSURE SODIUM HEATER MH			PB PULL BOX, PUSH-BUTTON SS PF POWER FACTOR SST	SELECTOR SWI STAINLESS STE		l E-0.1
	NTROL PANEL EPRF EXPLOSION PROOF	• • • • • • • • • • • • • • • • • • • •	• ****			-			

С

ELECTRICAL CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION.

IMPLIED AS BEING INCIDENTAL TO THIS WORK, BUT REQUIRED FOR THE PROPER OPERATION OF

THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED BY THE CONTRACTOR AND INCLUDED IN THE

INCIDENTAL COMPONENTS MAY NOT BE SHOWN, AND ALL WORK WHICH MAY BE REASONABLY

BID. ADDITIONAL CIRCUITS SHALL BE INSTALLED WHEREVER NEEDED TO CONFORM TO THE

TEMPORARY POWER CONNECTIONS AS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR

THE NATIONAL ELECTRICAL CODE. THE CONTRACTOR SHALL PROVIDE DETAILS, METHODS. MATERIALS, ETC. FOR REVIEW PRIOR TO MAKING TEMPORARY CONNECTIONS. FURNISH AND

TEMPORARY POWER. COORDINATE WITH THE ELECTRICAL UTILITY COMPANY AS REQUIRED.

ALL ELECTRICAL EQUIPMENT SHALL, AT ALL TIMES DURING CONSTRUCTION, BE ADEQUATELY

PROTECTED AGAINST MECHANICAL INJURY, OR DAMAGE BY WATER AND/OR THE ELEMENTS.

PERMANENT SHELTERS. IF AN APPARATUS HAS BEEN DAMAGED, OR HAS BEEN SUBJECT TO

POSSIBLE INJURY BY WATER OR THE ELEMENTS, SUCH DAMAGE SHALL BE REPLACED AT NO

INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF FEEDER AND BRANCH CIRCUIT RACEWAYS AND CABLES IS THE RESPONSIBILITY OF THE CONTRACTOR. RISER

THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE

2. UNLESS DIMENSIONED, DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE

13. CONDUIT TERMINATING IN PRESSED STEEL BOXES SHALL HAVE DOUBLE LOCKNUTS AND

SEAL ALL CONDUIT OPENINGS THROUGH EXTERIOR BUILDING WALLS WATERTIGHT.

17. RACEWAYS PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE PROPERLY SEALED

18. ALL RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE. IF APPLICABLE, MATCH EXISTING

19. INSTALL EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS POSSIBLE. NO

20. USE FLUSH MOUNTING OUTLET BOXES IN FINISHED AREAS AND FOR EXTERIOR DEVICES/LIGHT

21. PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING

22. ALL MOTORS AND OTHER VIBRATING EQUIPMENT SHALL BE CONNECTED TO THE CONDUIT

SYSTEM BY MEANS OF A SHORT SECTION (18 INCH MINIMUM) OF FLEXIBLE CONDUIT UNLESS OTHERWISE INDICATED. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED INSIDE

THE FLEXIBLE CONDUIT AND TERMINATE AT THE LOAD END WITH AN APPROVED GROUNDING

INSTALLED ON EXTERIOR SURFACES OR INSIDE ON EXTERIOR WALLS SHALL BE SUPPORTED BY SPACERS TO PROVIDE A 1/4" MINIMUM CLEARANCE BETWEEN THE WALL AND EQUIPMENT.

23. SURFACE MOUNTED PANELBOARDS, JUNCTION, OUTLET AND PULL BOXES, RACEWAYS, ETC.,

24. PROVIDE ADHESIVE BACKED RECEPTACLE AND SWITCH/DIMMER/OCCUPANCY SENSOR DEVICE

25. FINAL TYPED PANELBOARD DIRECTORIES INSTALLED IN THE PANELBOARD DOOR POCKET SHALL

OTHERWISE. THE CONTRACTOR SHALL VERIFY, PRIOR TO INSTALLATION OF CONDUCTORS OR

CONDUIT FEEDING ANY EQUIPMENT. THE ELECTRICAL EQUIPMENT IS RATED FOR USE WITH 75

CONDUCTORS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY FOR

DEGREE C. WIRING. IF ANY EQUIPMENT IS RATED FOR USE WITH LESS THAN 75 DEGREE C.

INCLUDE FINAL ACTUAL ROOM NAMES AND NUMBERS IN ADDITION TO THE GENERAL DESCRIPTION

PLATE LABELS IDENTIFYING THE PANEL AND CIRCUIT FEEDING THE DEVICE. LABELS SHALL

INDICATE PANEL AND CIRCUIT NUMBER. SEE SPECIFICATIONS SECTION 260553 FOR

26. CONDUCTOR SIZING IS BASED ON 75 DEGREE C. COPPER NEC RATINGS, UNLESS NOTED

SHOWN ON THE PANEL SCHEDULES ON THE DRAWINGS.

DIAGONAL RUNS WILL BE ALLOWED. ALL CONDUITS SHALL BE RUN STRAIGHT AND TRUE. RUN

PARALLEL OR BANKED RACEWAYS TOGETHER ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTERLINE TO MAKE BENDS PARALLEL.

RACEWAY INSTALLATION METHODS AND ROUTINGS AT OR NEAR EXISTING FACILITIES.

INSULATED BUSHINGS. CONDUITS TERMINATING IN GASKETED ENCLOSURES SHALL BE

ADJUST EXACT LOCATIONS AS REQUIRED TO SERVE THE INTENDED PURPOSE AND TO AVOID

INDICATED ON THE ARCHITECTURAL DRAWINGS OR AS DIMENSIONED. IF NOT SHOWN ON THE

ARCHITECTURAL DRAWINGS OR DIMENSIONED ON THE ELECTRICAL DRAWINGS. VERIFY EXACT

BRANCH CIRCUIT HOMERUNS SHOWN ON DRAWINGS INDICATE PHASE CONDUCTORS. NEUTRAL.

EQUIPMENT GROUND CONDUCTORS AS REQUIRED. ADDITIONAL CONDUCTORS REQUIRED FOR

16. IN WET LOCATIONS AND EXTERIOR, ALL WIRING DEVICES SHALL BE WEATHER-RESISTANT LISTED

WITH WEATHERPROOF WHILE IN USE COVER. LIGHTING FIXTURES SHALL BE APPROPRIATELY RATED AND LISTED FOR THE ENVIRONMENT INCLUDING 0 DEGREE BALLASTS FOR FLUORESCENT.

CONFLICTS AND INTERFERENCES WITH OTHER TRADES. EXACT DEVICE LOCATIONS SHALL BE AS

AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY/DIAGRAMMATICALLY ONLY

ELECTRICAL EQUIPMENT SHALL NOT BE STORED OUT OF DOORS, BUT SHALL BE STORED IN DRY

BRANCH AND FEEDER CIRCUIT BREAKERS, PANELBOARDS, TRANSFORMERS, ETC. FOR

THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE

3. ALL EQUIPMENT SHOWN DOTTED OR DASHED IS BY OTHERS OR IS EXISTING, AS NOTED.

1. CIRCUIT LAYOUTS ARE NOT INTENDED TO SHOW THE NUMBER OF FITTINGS, OR OTHER

FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT.

DO NOT SCALE ELECTRICAL DRAWINGS. FIELD VERIFY ALL DIMENSIONS.

LOCATION WITH THE ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.

TERMINATED WITH GROUNDING TYPE CONDUIT HUBS.

AND INCLUDED IN THE BID. ALL TEMPORARY EQUIPMENT WIRING SHALL BE IN ACCORDANCE WITH

INSTALL ALL EQUIPMENT AND MATERIALS INCLUDING CONTROL EQUIPMENT, MOTOR STARTERS

COMPLETION OF WORK AND ANY MINOR CORRECTIONS, CHANGES OR ADJUSTMENTS NECESSARY

SPECIFIC REQUIREMENTS OF EQUIPMENT.

ADDITIONAL COST.

INSTALLATION.

SMOKETIGHT.

FIXTURES UNLESS NOTED OTHERWISE.

COMPLETELY WATERPROOF.

CLAMP OR LUG.

REQUIREMENTS.

EVALUATION/CORRECTION.

28. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, BRANCH CIRCUITS SHALL CONSIST OF #12 OR #10

INSTALLED LENGTH GREATER THAN 75 FEET AND/OR BRANCH CIRCUIT HOMERUNS LONGER THAN 50 FEET, I.E.; #12 AWG INCREASED TO #10 AWG FOR RECEPTACLE BRANCH CIRCUITS OVER 75

EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN CONDUCTORS BEING SPLICED. USE SPLICE AND TAP CONNECTORS COMPATIBLE WITH CONDUCTOR MATERIAL. INSTALL CONDUCTORS AT EACH OUTLET WITH AT LEAST 6 INCHES OF SLACK. CONNECT OUTLETS

. DO NOT SPLICE BRANCH CIRCUIT HOMERUNS WITHOUT THE PERMISSION OF THE ARCHITECT/ENGINEER. HOMERUNS SHALL BE CONTINUOUS FROM THE LAST OUTLET BOX TO THE SERVING PANELBOARD.

32. DO NOT COMBINE BRANCH CIRCUIT HOMERUNS UNLESS SPECIFICALLY INDICATED ON THE

33. DO NOT CHANGE CIRCUITING SHOWN WITHOUT PERMISSION OF THE ARCHITECT/ENGINEER.

34. TROUGH TAPS SHALL BE AT SWITCH AMPACITY, UNLESS NOTED OTHERWISE COORDINATE LOCATIONS OF MECHANICAL WITH THE RESPECTIVE CONTRACTORS AND VENDORS AND THE OWNER BEFORE ROUGH-IN. ADJUST LIGHTING FIXTURES, RECEPTACLES AND ELECTRICAL EQUIPMENT TO ACCOMMODATE THIS EQUIPMENT. ADVISE THE ARCHITECT/ENGINEER OF CONFLICTS **BEFORE ROUGH-IN** 

35. BEFORE COMMENCING WORK OR ORDERING MATERIALS, THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND VERIFY THE NAMEPLATE RATINGS OF ALL EQUIPMENT (MOTORS, HEATERS, COMPRESSORS, ETC.) AND ADJUST THE RATINGS OF THE ELECTRICAL EQUIPMENT (SWITCHES, FUSES, CIRCUIT BREAKERS, FEEDERS, ETC.) AS APPROPRIATE TO SERVE THIS

i. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL, PLUMBING AND GENERAL CONTRACTORS, PRIOR TO ORDERING OR INSTALLATION OF ANY EQUIPMENT, TO VERIFY MECHANICAL AND PLUMBING EQUIPMENT REQUIREMENTS ARE PROVIDED IN THE ELECTRICAL DESIGN. THE CONTRACTOR WILL NOT BE COMPENSATED FOR COSTS ASSOCIATED WITH CHANGING THE ELECTRICAL SYSTEMS TO MATCH UTILIZATION EQUIPMENT, EVEN IF THE ELECTRICAL WORK IS INSTALLED PER THE ELECTRICAL DRAWINGS

THE MECHANICAL AND PLUMBING CONTRACTORS SHALL FURNISH ALL STARTERS AND CONTROLS FOR THEIR EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL MOUNT STARTERS FURNISHED BY THE MECHANICAL AND PLUMBING CONTRACTORS. THE ELECTRICAL CONTRACTOR PROVIDE ALL SAFETY SWITCHES, WIRING AND CONNECTIONS TO LINE SIDE AND LOAD SIDE OF STARTERS AND SAFETY SWITCHES COMPLETE TO MECHANICAL EQUIPMENT. FOR RESISTANCE TYPE LOADS WHERE STARTERS OR CONTACTORS ARE NOT REQUIRED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING AND CONNECTIONS COMPLETE TO EQUIPMENT. THE MECHANICAL AND PLUMBING CONTRACTORS SHALL PROVIDE ALL CONTROL WIRING AND CONNECTIONS AND DEVICES FOR THEIR EQUIPMENT.

38. ENERGIZE EQUIPMENT ONLY AFTER OBTAINING PERMISSION FROM THE CONTRACTOR PROVIDING

39. PROTECT ALL EXISTING POWER, COMMUNICATIONS, DATA, LIFE SAFETY SYSTEMS, FIRE ALARM AND PUBLIC ADDRESS SYSTEMS AND MAINTAIN THEM IN OPERATION THROUGHOUT THE PROGRESS OF THE WORK. NOTIFY THE OWNER AND ARCHITECT/ENGINEER IF SHUTDOWNS ARE REQUIRED PRIOR TO ANY OUTAGE OF SERVICE. WHERE THE DURATION OF A PROPOSED OUTAGE CANNOT BE TOLERATED BY THE OWNER, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN SERVICE.

0. THE CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING NECESSARY TO INSTALL ALL EQUIPMENT AS REQUIRED AND SHALL REESTABLISH ALL FINISHES TO THEIR ORIGINAL CONDITION WHERE CUTTING AND PATCHING OCCUR. ALL CUTTING AND PATCHING SHALL BE DONE IN A THOROUGHLY WORKMANSHIP MANNER. SAW CUT CONCRETE AND MASONRY PRIOR TO BREAKING OUT SECTIONS. ALL PATCHING MATERIALS AND WORKMANSHIP SHALL BE PERFORMED BY TRADESMEN EXPERIENCED IN THAT WORK. ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT/ENGINEER.

41. CORE DRILL HOLES IN EXISTING CONCRETE WALLS AS REQUIRED.

42. INSTALL WORK AT SUCH TIME AS TO REQUIRE THE MINIMUM AMOUNT TO CUTTING AND PATCHING.

43. CUT OPENINGS ONLY LARGE ENOUGH TO ALLOW EASY INSTALLATION OF THE CONDUIT.

BY THIS WORK.

44. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED

45. DESIGN AND ADDITION OF NEW CIRCUITING IS BASED ON THE ENGINEER'S BEST INFORMATION REGARDING EXISTING CONDITIONS AND CURRENT. AVAILABILITY OF ADEQUATE CIRCUIT BREAKER SPACE FOR NEW WORK IN EXISTING PANELBOARDS SHALL BE VERIFIED BY THE CONTRACTOR AFTER DEMOLITION OF THE EXISTING SPACE. IF ADEQUATE SPACE IS NOT AVAILABLE FOR NEW CIRCUIT BREAKERS THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR RESOLUTION.

46. INSOFAR AS POSSIBLE, MATCH EXISTING EXPOSED DEVICES IN FINISHED AREAS IN TYPE, COLOR AND FINISH.

. THE EXISTING ELECTRICAL SYSTEMS DEPICTED ON THESE DRAWINGS HAVE BEEN COMPILED BY THE ENGINEER FROM THE OWNER'S RECORD DRAWINGS AND LIMITED FIELD VERIFICATION OF THE EXISTING CONDITIONS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, POINTS OF ACCESS AND FIELD CONDITIONS AFFECTING HIS WORK.

48. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING ELECTRICAL SYSTEMS AND THE EXISTING BUILDING. THE SUBMISSION OF THE PROPOSAL BY THE CONTRACTOR SHALL BE CONSIDERED EVIDENCE THAT HE OR HIS REPRESENTATIVE HAS VISITED THE SITE AND BUILDINGS AND NOTED THE LOCATION AND CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED AND THAT HE TAKES FULL RESPONSIBILITY OF ALL FACTORS GOVERNING HIS WORK. NO EXTRAS WILL BE CONSIDERED BECAUSE OF ADDITIONAL WORK NECESSITATED BY EXISTING JOB CONDITIONS THAT ARE NOT INDICATED ON THE DRAWINGS.

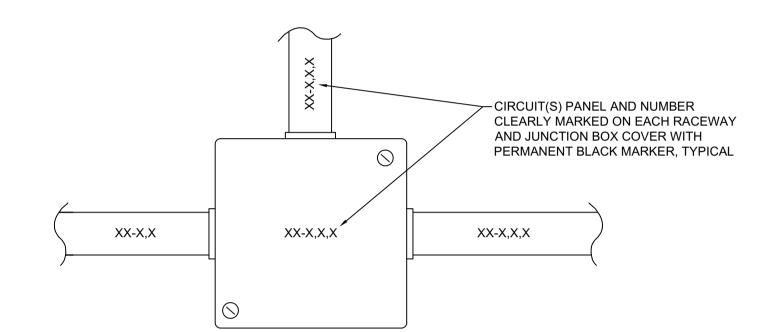
49. THE EXISTING FACILITIES WILL REMAIN OCCUPIED BY STUDENTS AND THE STAFF THROUGHOUT THE PROJECT. AS SUCH, WORK WILL REQUIRE SPECIAL EFFORT BY THIS CONTRACTOR TO ALLOW THE WORK TO PROCEED IN A TIMELY MANNER. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH THE OWNER AND GENERAL CONTRACTOR SO AS TO MINIMIZE DISRUPTION OF THE OWNER'S USE OF THE FACILITIES AND MAINTAIN THE CONSTRUCTION SEQUENCE OF THE GENERAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS CONCERNING PHASING AND SEQUENCE OF WORK.

50. SAFETY: COMPLY WITH OSHA AND NEC ARC FLASH PROTECTION REQUIREMENTS.

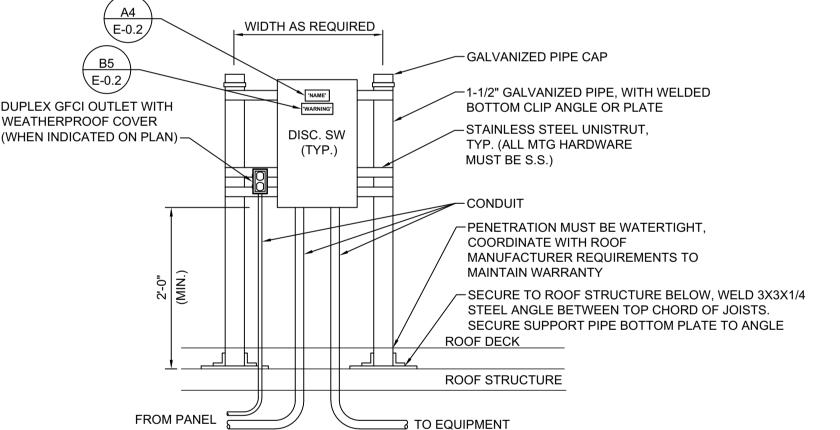
**EQUIPMENT DESIGNATION 3/8"** WHITE ENGRAVED LETTERS -SOURCE DESIGNATION 1/4" **EQUIPMENT: NAME** WHITE ENGRAVED LETTERS-SOURCE: PANEL "###", **RATING DESIGNATION 1/4"** CIRCUIT "##,##,##" WHITE ENGRAVED LETTERS -RATING: ### AMPS **VOLTAGE & PHASE** ○\_VOLTAGE: 208/120V, 3Ø, 4W **DESIGNATION 1/4" WHITE ENGRAVED LETTERS-**LATTACH WITH STAINLESS STEEL BLIND RIVET NOTE: SEE SPECS. SECTION 260553 FOR NAMEPLATE

MATERIAL AND ENGRAVING COLORS.

## TYPICAL EQUIPMENT NAMEPLATE DETAIL



#### **CIRCUIT IDENTIFICATION DETAIL** NOT TO SCALE



### ROOF EQUIPMENT SUPPORT RACK DETAIL



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BLACK LETTERS AND SYMBOL ON

SAFETY ORANGE BACKGROUND -

**A WARNING** 

4 1/2" MINIMUM





1. LABEL SHOWN CAN BE SOURCED FROM SAFETYSIGN.COM, OTHER SUPPLIERS ARE COMPLIANTSIGNS.COM & SETON.COM

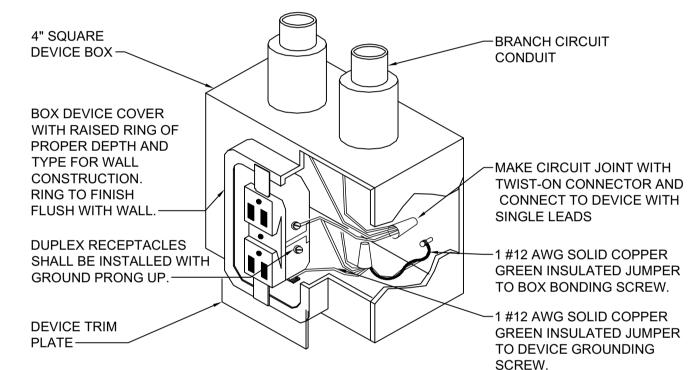
-BLACK LETTERS ON WHITE BACKGROUND

Arc Flash and Shock Hazard

**Appropriate PPE required** 

2. THIS WARNING LABEL MINIMALLY COMPLIES WITH NEC, HOWEVER IF ELECTRICAL EQUIPMENT IS LIKELY TO REQUIRE EXAMINATION OR MAINTENANCE WHILE ENERGIZED A DETAILED SHORT CIRCUIT AND ARC FLASH HAZARD ANALYSIS IS RECOMMENDED.

### **ELECTRICAL EQUIPMENT WARNING LABEL DETAIL**



# RECEPTACLE GROUNDING DETAIL

BOWMAN HEMINGWA` ARCHITECTS

514 Market Street Wilmington, NC 28401 Tel - (910) 762-2621 Fax - (910) 762-8506



Col

Carolina ( n Building Supplemer

01/28/25 ISSUED FOR CONSTRUCTION DATE DESCRIPTION

Project Manager Drawn By Reviewed By 01-15-25 roject ID 23091

**ELECTRICAL GENERAL NOTES** 

AND DETAILS

E-0.2

