RENOVATIONS FOR:

CRAVEN COUNTY COURTHOUSE / EOC / ANNEX

411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

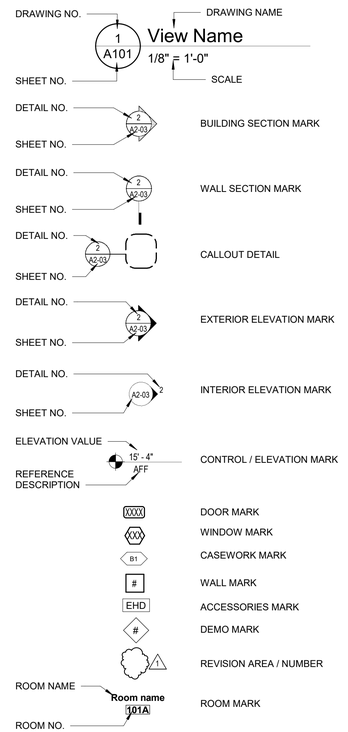
PHASE 3 - NEW FRONT ADDITION & FLOOD MITIGATON



ABBREVIATIONS

@	AT
AB	AREA DRAIN
ACC	ACCENT COLOR
ACT	ACOUSTICAL CEILING TILE
ACOUS	ACOUSTIC
ACW	ACOUSTICAL WALL PANELS
ADJ	ADJUSTABLE
AE	APPROVED EQUAL
AFF	ABOVE FINISH FLOOR
AFL	ATHLETIC FLOORING
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ANOD	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATTEN	ATTENUATION
AWP	ACRYLIC WALL PANELS
BBT	BIOBASED TILE
BF	BLOCK FILL
BFC	BROOMED FINISHED CONCRETE
BL	BLINDS
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BPG	BULLET PROOF GLASS
CB	CATCH BASIN
CEM	CEMENTIOUS SIDING
CF	CORK FLOORING
CSCI	CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
CFT	CERAMIC FLOOR TILE
CG	CURVED CEILING GRID
CI	CAST IRON
CI#	CURB INLET
CJ	CONTROL JOINT
CLG	CEILING
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONTR	CONTRACTOR
CORR	CORRUGATED
CPT	CARPET
CPTT	CARPET TILE
CTB	CERAMIC TILE BASE
CRC	COLD ROLLED CHANNEL
CRF	CORK RUBBER FLOORING
CS	COUNTERSUNK
CW	CURTAINWALL
CWT	CERAMIC WALL TILE
DTL	DETAIL
DFP	DRY FOG PAINT
DIA	DIAMETER
DISP	DISPENSER
DN	DOWN
DP	DEEP
DR	DOOR
DS	DOWNSPOUT
E/W	EACH WAY
EDG	EDGE BANDING
EES	EMERGENCY EYE WASH AND SHOWER
EFC	EPOXY FLOOR COATING
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EIP	EXISTING IRON PIPE
ELEV	ELEVATION
EJ	EXPANSION JOINT
EN	ENAMEL
EPT	HIGH PERFORMANCE EPOXY PAINT
EQ	EQUAL
EST	EXISTING
ES	EXPOSED STRUCTURE
EXT	EXTERIOR
EXP	EXPOSED CEILING
EWC	ELECTRIC WATER COOLER
FC	FIRECODE
FD	FLOOR DRAIN
FE	FIRE EXSTINGUISHER
	SURFACE MOUNTED
FEC	FIRE EXSTINGUISHER SEMI-RECESSED
FF	FINISH FLOOR
FH	FIRE HYDRANT
FLU	FLOURESCENT
FOF	FACE OF FRAME
FOM	FACE OF MASONRY
FT	FLOOR TILE
FTG	FOOTING
GC	GENERAL CONTRACTOR
GCT	GRANITE COUNTERTOP
GA	GAGE
GALV	GALVANIZED
GEN	GENERATOR
GFT	GRANITE FLOOR TILE
GL	GLASS
GMT	GLASS MOSAIC TILE
GT	GROUT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM BOARD
HC	HOLLOW CORE
HB	HOSE BIB
HC	HANDICAPP
HDWD	HARDWOOD
HM	HOLLOW METAL
HORZ	HORIZONTAL
HR	HOUR
IMP	INSULATED METAL PANEL
ID	INSIDE DIAMETER
INSTAL	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JB	JOIST BEARING
JB#	JUNCTION BOX
JT	JOINT
L	LONG
LFT	LINOLEUM FLOOR TILE
LP	LIGHT POLE
LST	LINOLEUM SHEET FLOORING
LVS	LEAVES (DOOR)
LVT	LUXURY VINYL TILE
MATL	MATERIAL
MAX	MAXIMUM
MC	METAL CANOPY
MCT	METAL CEILING TILE
MB	MASONRY - BRICK
MBL	MARBLE
MECH	MECHANICAL
MFR	MANUFACTURER
MBL	MARBLE
MFT	MARBLE FLOOR TILE
MIN	MINIMUM
MO	MASONRY OPENING
MTB	MARBLE TILE BASE
MTD	MOUNTED
MTL	METAL
MWM	METAL WALK-OFF MAT
MWT	MARBLE WALL TILE
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NORMAL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OPP	OPPOSITE
OSC	OVERFLOW SCUPPER
OZ	OUNCE
P	PAINT
PL	PLASTIC LAMINATE
P-LAM	PLASTIC LAMINATE
P-LAM WD	PLASTIC LAMINATE WOOD DOORS
PC	POLISHED CONCRETE
PERF	PERFORATED
PFT	PORCELAIN FLOOR TILE
PIV	POST INDICATOR VALVE
PL	PLATE
PLYWD	PLYWOOD
PNT	PAINT
POLYETH	POLYETHYLENE
PP	POWER POLE
PR	PAIR
PTB	PORCELAIN TILE BASE
PTD	PAINTED
PTP	PLASTIC TOILET PARTITIONS
PWT	PORCELAIN WALL TILE
PVC	POLYVINYL CHLORIDE
QS	QUARTZ SURFACE
QT	QUARRY TILE
QZT	QUARTZ TILE
R	RADIUS
R&S	ROD AND SHELF
RB	RESILIENT BASE
RBT	RUBBER TILE
RCP	REINFORCED CONCRETE
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RECEPT	RECEPTACLE
RECYF	RECYCLED FLOORING
REQD	REQUIRED
RES	RESILIENT
RM	RUBBER MAT
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSF	RESINOUS FLOORING
RTF	RESILENT TILE FLOORING
SAT	SPRAYED ACOUSTICAL TREATMENT
SC	SEALED CONCRETE
SCH	SCHEDULE
SCW	SOLID CORE WOOD
SDT	STATIC DISSIPATIVE TILE
SF	SQUARE FEET
SHEATH	SHEATHING
SIM	SIMILAR
SSM	SOLID SURFACE
SP	SPACES
SQ	SQUARE
SS	STAINLESS STEEL
SSC	STAINED SEALED CONCRETE
SSG	STRUCTURAL SILICON GLAZING
SRT	SLIP RESISTANT TILE
ST	STEEL
SF	STOREFRONT
ST&R	STAIR TREADS AND RISERS
STD	STANDARD
SUSP	SUSPENDED
TB	TILE BASE
TC	TERRA COTTA
T&G	TONGUE AND GROOVE
TCA	TILE COUNCIL OF AMERICA
TELE	TELEPHONE
TEMP	TEMPERED
TEXD	TEXTURED
TFT	TERRAZZO FLOOR TILE
TOC	TOP OF CURB
TOS	TOP OF STEEL
TP	TELEPHONE POLE
TS	TRANSITION STRIP
TV	TELEVISION
TVB	TELEVISION MOUNTING BRACKET
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
U/L	UTILITY/LIGHTS
UNO	UNLESS NOTED OTHERWISE
VACT	VINYL ACOUSTICAL TILE
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
W/	WITH
WC	WATER CLOSET
WD	WOOD
WF	WOOD FLOORING
WT	WALL TILE
WT*	WALL TILE - SEE ELEVATION
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

SYMBOL LEGEND



MITIGATION SCOPE OF WORK

SEE SHEET 3G2.0 FOR ADDITIONAL INFORMAITON

THE FOLLOWING MITIGATION SCOPES OF WORK ARE BASE ON THE HAZARD MITIGATION PROPOSAL (HMP) DATED 10/12/21
THE **HMP** LINE ITEM IS LISTED BELOW WITH THE CORRESPONDING **MS** UNIT PRICE DESIGNATION TO BE SHOWN AS A SEPARATE LINE ITEM COST ON THE BID FORM FOR REIMBURSEMENT FROM FEMA TO CRAVEN COUNTY FOR THAT SCOPE OF WORK.

HMP ITEM 7 - MAIN ENTRANCE – ELEVATE THE EXISTING PUBLIC ENTRANCE AND STOREFRONT SYSTEM TO THE FIRST-FLOOR LEVEL ABOVE THE HIGH-WATER DEMARCATION. FOUNDATION WILL FORM BARRIER WALLS TO PREVENT WATER INTRUSION TO GROUND LEVEL. **SEE MS-1 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

HMP ITEM 8 - BASEMENT TOILETS – RELOCATE COURTHOUSE BASEMENT TOILETS TO FIRST FLOOR ABOVE THE HIGH-WATER DEMARCATION. **SEE MS-2 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

HMP STAIR TOWER - 1 - STAIR TOWER ACCESS TO FIRST FLOOR - ARCHITECTURAL:
RENOVATE STAIR TOWER – RENOVATE / REBUILD (1) EXISTING STAIR TOWERS TO PROVIDE EXIT DISCHARGE ABOVE THE HIGH-WATER DEMARCATION. THE NEW EXIT DISCHARGE TO BE ON THE 1ST FLOOR (EOC) LEVEL. **SEE MS-3 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

HMP SATIRE TOWER - 1 - STAIR TOWER ACCESS TO FIRST FLOOR - ARCHITECTURAL:
ACCESSIBLE ROUTE TO THE PUBLIC WAY VIA NEW RAMPS AND STAIRS WILL BE REQUIRED TO MEET APPLICABLE CODES AND CHAPTER 11 OF THE NCBC (ACCESSIBILITY). **SEE MS-1 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

MITIGATION SCOPE (MS) - LINE ITEM DESCRIPTION

MS-1 - ALL WORK ASSOCIATED WITH ARCHITECTURAL AND STRUCTURAL DESIGN FROM THE FOUNDATION SYSTEMS UP TO AND INCLUSIVE OF THE FIRST FLOOR SLAB. THIS PACKAGE SHALL BE INCLUSIVE OF ALL WORK REQUIRED TO CONSTRUCT THE STRUCTURAL PIERS, FOOTINGS, FOUNDATION WALLS DEFINED IN STRUCTURAL PLANS AND SPECIFICATIONS. WORK SHALL ALSO INCLUDE ALL ASSOCIATED ARCHITECTURAL COMPONENTS ATTACHED TO STRUCTURAL SYSTEMS WITHIN SAME DEFINED AREAS. SEE SHEET 3G2.0 & 33A2.1. ALSO SEE REFERENCED AREAS ON STRUCTURAL DRAWINGS.

MS-2 - ALL WORK ASSOCIATED WITH ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DESIGN TO RELOCATE TOILETS . THIS PACKAGE SHALL BE INCLUSIVE OF ALL WORK REQUIRED TO CONSTRUCT TOILET ROOMS 105 & 106 LOCATED ON THE FIRST FLOOR. SEE SHEET 3G2.0 FOR THE DEFINED AREA OF WORK. PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL INCLUDED ALL REQUIRED INFRASTRUCTURE REQUIRED TO EXTEND SERVICES AND TIE INTO EXISTING SYSTEMS. PLUMBING SHALL INCLUDE WATER/SEWER LINES FROM POINT OF MAIN LINE CONNECTION TO NEW TOILET ROOMS AND ALL ASSOCIATED PLUMBING. MECHANICAL SHALL INCLUDE ALL DUCT EXTENSIONS, DEVICES, AND COMPLETE EXHAUSTS SYSTEMS. ELECTRICAL SHALL INCLUDED ALL CIRCUITS AND ASSOCIATED DEVICES IN THE ROOMS.

MS-3 - ALL WORK ASSOCIATED WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DESIGN RELATED TO THE CONSTRUCTION OF THE NEW EXTERIOR STAIR TOWER. THIS PACKAGE SHALL BE INCLUSIVE OF ALL WORK REQUIRED TO CONSTRUCT THE STRUCTURAL PIERS, FOOTINGS, FOUNDATION WALLS DEFINED IN STRUCTURAL PLANS AND SPECIFICATIONS. WORK SHALL ALSO INCLUDE ALL ASSOCIATED ARCHITECTURAL COMPONENTS ATTACHED TO STRUCTURAL SYSTEMS, STEEL STAIRS, RAILINGS, WALL / FLOOR/ CEILING FINISHES, AND ALL COMPONENTS FOR THE **RA** CALL SYSTEM SHOWN ON SHEET 3E4.2 DETAIL 1. SEE SHEET 3G2.0 & 33A2.1 FOR THE DEFINED AREA OF WORK.

CONSULTANTS

STEWART

PLUMBING, MECHANICAL & ELECTRICAL ENGINEER:

ATLANTEC ENGINEERS, PA

3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612 PHONE: 919-571-1111

INDEX OF DRAWINGS

GENERAL
3G0.1 COVER SHEET
3G0.2 CODE SUMMARY
3G1.1 FIRST FLOOR LIFE SAFETY PLAN
3G1.2 GROUND, SECOND, & THIRD FLOOR LIFE SAFETY PLANS
3G2.0 MITIGATION SCOPE OF WORK

SITE PLANS
3C1.1 EXISTING SITE SURVEY
3C1.2 SITE PLAN - DEMOLITION
3C1.3 SITE PLAN

STRUCTURAL
3S0.1 GENERAL NOTES
3S0.2 GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS LEGEND
3S0.3 STATEMENT OF SPECIAL INSPECTIONS
3S0.4 STATEMENT OF SPECIAL INSPECTIONS
3S1.0 STRUCTURAL DEMOLITION PLAN
3S1.1 FOUNDATION PLAN
3S1.2 FIRST FLOOR FRAMING PLAN
3S1.3 SECOND FLOOR FRAMING PLAN
3S1.4 THIRD FLOOR FRAMING PLAN
3S1.5 ROOF FRAMING PLAN
3S1.6 SITE WALL FOUNDATION AND SLAB ON GRADE PLAN
3S2.0 FOUNDATION SECTIONS
3S2.1 FOUNDATION SECTIONS
3S2.2 FOUNDATION SECTIONS
3S2.3 FOUNDATION SECTIONS
3S2.4 FOUNDATION SECTIONS
3S2.5 SITE WALL SECTIONS
3S2.6 SITE WALL SECTIONS
3S3.1 SLAB ON GRADE DETAILS
3S3.2 FOUNDATION DETAILS
3S3.3 MAT FOOTING PLAN
3S3.4 MAT FOOTING SECTIONS
3S4.2 CMU DETAILS
3S4.3 CMU DETAILS
3S4.4 CMU DETAILS
3S4.5 CMU DETAILS
3S5.1 STEEL FRAMING DETAILS
3S5.2 STEEL FRAMING DETAILS
3S6.1 STEEL ROOF DETAILS

ARCHITECTURAL
3D1.1 GROUND & FIRST FLOOR DEMOLITION PLANS
3D1.2 SECOND & THIRD FLOOR DEMOLITION PLANS
3D1.3 FIRST & SECOND FLOOR RCP DEMOLITION PLANS
3A1.0 OVERALL PLAN - FIRST FLOOR
3A1.1 GROUND FLOOR RENOVATION PLAN
3A1.2 FIRST FLOOR RENOVATION PLAN
3A1.3 SECOND & THIRD FLOOR RENOVATION PLAN
3A1.4 ROOF PLAN & DETAILS
3A1.5 REFLECTED CEILING PLANS
3A1.6 ENLARGED PLANS
3A1.7 FINISH PLANS
3A1.8 STAIR PLANS & DETAILS
3A1.9 RAMP PLAN & DETAILS
3A2.1 EXTERIOR ELEVATIONS
3A3.1 BUILDING SECTIONS
3A3.2 WALL SECTIONS
3A3.3 WALL SECTIONS
3A3.4 WALL SECTIONS
3A4.1 ELEVATOR DETAILS & SECTIONS
3A6.1 DOOR SCHEDULE & DETAILS
3A6.2 WINDOW SCHEDULE & DETAILS

FIRE PROTECTION
3FP1.0 FIRE PROTECTION RENOVATION PLAN

PLUMBING
3P1.0 GROUND FLOOR PLUMBING DEMOLITION PLAN
3P1.1 FIRST FLOOR PLUMBING DEMOLITION PLAN
3P1.2 SECOND FLOOR PLUMBING DEMOLITION PLAN
3P1.3 THIRD FLOOR PLUMBING DEMOLITION PLAN
3P2.0 GROUND FLOOR PLUMBING RENOVATION PLAN
3P2.1 FIRST FLOOR PLUMBING RENOVATION PLAN
3P2.2 SECOND FLOOR PLUMBING RENOVATION PLAN
3P2.3 THIRD FLOOR PLUMBING RENOVATION PLAN
3P2.4 ROOF PLUMBING RENOVATION PLAN
3P3.1 PLUMBING FIXTURE SCHEDULE AND DETAILS
3P3.2 WASTE AND ROOF DRAINAGE RISERS
3P3.3 PLUMBING NOTES, LEGENDS, AND DETAILS

MECHANICAL
3M1.0 GROUND FLOOR MECHANICAL DEMOLITION PLAN
3M1.1 FIRST FLOOR MECHANICAL DEMOLITION PLAN
3M1.2 SECOND FLOOR MECHANICAL DEMOLITION PLAN
3M1.3 THIRD FLOOR MECHANICAL DEMOLITION PLAN
3M2.0 GROUND FLOOR MECHANICAL RENOVATION PLAN
3M2.1 FIRST FLOOR MECHANICAL RENOVATION PLAN
3M2.2 SECOND FLOOR MECHANICAL RENOVATION PLAN
3M2.3 THIRD FLOOR MECHANICAL RENOVATION PLAN
3M3.1 MECHANICAL SCHEDULE NOTES AND LEGENDS
3M3.2 MECHANICAL DETAILS

ELECTRICAL
3E1.1 ELECTRICAL DEMOLITION PLAN GROUND FLOOR
3E1.2 ELECTRICAL DEMOLITION PLAN FIRST FLOOR
3E1.3 ELECTRICAL DEMOLITION PLAN SECOND FLOOR
3E1.4 ELECTRICAL DEMOLITION PLAN THIRD FLOOR
3E2.1 ELECTRICAL PLAN GROUND FLOOR
3E2.2 ELECTRICAL PLAN FIRST FLOOR
3E2.3 ELECTRICAL PLAN SECOND FLOOR
3E2.4 ELECTRICAL PLAN THIRD FLOOR
3E3.1 LIGHTING PLAN GROUND FLOOR
3E3.2 LIGHTING PLAN FIRST FLOOR
3E3.3 LIGHTING PLAN SECOND FLOOR
3E3.4 LIGHTING PLAN THIRD FLOOR
3E4.1 LEGEND, NOTES, AND DETAILS
3E4.2 DETAILS AND NOTES
3E4.3 POWER RISERS
3E4.4 PANEL SCHEDULES

FIRE ALARM
3FA1.1 FIRE ALARM DEMOLITION PLAN GROUND FLOOR
3FA1.2 FIRE ALARM DEMOLITION PLAN FIRST FLOOR
3FA1.3 FIRE ALARM DEMOLITION PLAN SECOND FLOOR
3FA1.4 FIRE ALARM DEMOLITION PLAN THIRD FLOOR
3FA2.1 FIRE ALARM PLAN GROUND FLOOR
3FA2.2 FIRE ALARM PLAN FIRST FLOOR
3FA2.3 FIRE ALARM PLAN SECOND FLOOR
3FA2.4 FIRE ALARM PLAN THIRD FLOOR
3FA3.1 FIRE ALARM LEGEND, NOTES, AND DETAILS

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. CERT NO. 50681 ROCKY MOUNT, NC

TIMOTHY D. OAKLEY 5881 NORTH CAROLINA REGISTERED ARCHITECT ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3G0.1
Checked By: TDO	

Sheet Title: COVER SHEET

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

2018 APPENDIX B BUILDING CODE SUMMARY

Name of Project: CRAVEN COUNTY COURTHOUSE RENOVATIONS PHASE 3

Address: 411 CRAVEN STREET, NEW BERN, NORTH CAROLINA Zip Code 28560

Owner/Authorized Agent: ZACH CHENOWETH

Phone # 252-617-7940 E-Mail ZCHENOWETH@CRAVENCOUNTYNC.GOV

Owned By: ■ City/County ☐ Private ☐ State

Code Enforcement Jurisdiction: ■ City NEW BERN ☐ County ☐ State

CONTACT: TIMOTHY D. OAKLEY, ARCHITECT

DESIGNER	FIRM	NAME	LICENSE#	TELEPHONE#	E-MAIL
Architectural	OAKLEY COLLIER ARCHITECTS	TIM OAKLEY	5967	(252) 937 - 2500	TOAKLEY@OAKLEYCOLLIER.COM
Civil	-	-	19843	-	-
Electrical	ATLANTEC ENGINEERS	DAVID WHITNEY	17382	(919) 571-1111	DAVID@ATLANTECENGINEERS.COM
Fire Alarm	ATLANTEC ENGINEERS	DAVID WHITNEY	17382	(919) 571-1111	DAVID@ATLANTECENGINEERS.COM
Plumbing	ATLANTEC ENGINEERS	BRAD FELTS	025036	(919) 571-1111	BRAD@ATLANTECENGINEERS.COM
Mechanical	ATLANTEC ENGINEERS	BRAD FELTS	025036	(919) 571-1111	BRAD@ATLANTECENGINEERS.COM
Sprinkler-Standpipe	N/A	-	-	-	-
Structural	SEI	M. BRYAN CONVINGTON IV	045141	(919) 380-8750	BCONVINGTON@STEWARTINC.COM
Retaining Walls >5' High	N/A	N/A	N/A	N/A	N/A
Other	N/A	N/A	N/A	N/A	N/A

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

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

2018 NC EXISTING BUILDING CODE: Existing ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) N/A **CURRENT OCCUPANCY(S)** (Ch.3): BUSINESS

RENOVATED: (date) N/A **PROPOSED OCCUPANCY(S)** (Ch.3): BUSINESS

Risk Category (Table 1604.5): Current: ☐ I ☐ II ☐ III ☐ IV
Proposed: ☐ I ☐ II ☐ III ☐ IV

BASIC BUILDING DATA EXISTING TO REMAIN

Construction Type: ☐ I-A ■ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☐ V-B

Sprinklers: ☐ No ■ Partial ☐ Yes ■ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D

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.)

GROSS BUILDING AREA TABLE EXISTING TO REMAIN

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3rd Floor	8,885	1,195	10,080
2nd Floor	11,005	1,195	12,000
Roof/Porch	N/A	N/A	N/A
1st Floor	11,005	1,195	12,000
Basement	11,005	788	11,793
TOTAL	41,900	3,585	45,873

ALLOWABLE AREA EXISTING TO REMAIN

Primary Occupancy Classification(s):
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ■
Educational ☐
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
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ■ S-1 Moderate ☐ S-2 Low ☐ High-piled
■ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): N/A

Incidental Uses (Table 509):

Special Uses (Chapter 4 - List Code Sections): N/A

Special Provisions: (Chapter 5 - List Code Sections): N/A

Mixed Occupancy: ☐ No ■ Yes Separation: N/A Hr. Exception: N/A

☐ 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 buildign. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ 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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

$$\frac{\text{-}}{\text{-}} + \frac{\text{-}}{\text{-}} + \ldots\ldots = \text{-} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
B	PARKING	11,793	192,000	N/A	192,000
1-3	BUSINESS	12,000	UL		UL

1. Frontage area increases from Section 506.3 are computed thus:
   a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
   b. Total Building Perimeter = N/A (P).
   c. Ratio (F/P) = N/A (F/P)
   d. W = Minimum width of public way = N/A (W)
   e. Percent of frontage increase *If = 100[F/P-0.25] x W/30* = N/A (%).
2. Unlimited area applicable under conditions of Section 507.
3. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4. The maximum area of open parking garages must comply with Table 406.5.4 .
5. Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT EXISTING TO REMAIN

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) 2	-	-	N/A
Building Height in Stories (Table 504.4) 3	-	-	N/A

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
2. The maximum height of air traffic towers must comply with Table 412.3.1.
3. The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS EXISTING TO REMAIN

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL# AND SHEET#	DESIGN# FOR RATED ASSEMBLY	SHEET# FOR RATED PENETRATION	SHEET# FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	>30	2	2				
Bearing Walls							
Exterior							
North	>30	2	2		UL U905		
East	>30	2	2		UL U905		
West	>30	2	2		UL U905		
South	>30	2	2		UL U905		
Interior	N/A	2	2		UL U905		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30	0	0				
East	>30	0	0				
West	>30	0	0				
South	>30	0	0				
Interior walls and partitions	N/A	0	0				
Floor Construction Including supporting beams and joists		2	2		UL D742		
Floor Ceiling Assembly		-	-				
Columns Supporting Floors		-	-				
Roof Construction, including supporting beams and joists		1	1				
Roof Ceiling Assembly		-	-				
Columns Supporting Roof		-	-				
Shaft Enclosures - Exit		N/A	N/A				
Shaft Enclosures - Other		N/A	N/A				
Corridor Separation		0	0				
Occupancy/Fire Barrier Separation		N/A	N/A				
Party/Fire Wall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Smoke Partition		N/A	N/A				
Tenant/Dwelling Unit/Sleeping Unit Separation		N/A	N/A				
Incidental Use Separation		1	N/A				

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30 OR GREATER	UP	NO LIMIT	N/A
-	-	-	-
-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ■ Yes
Exit Signs: ☐ No ■ Yes
Fire Alarm: ☐ No ■ Yes
Smoke Detection Systems: ☐ No ☐ Yes ■ Partial _____
Carbon Monoxide Detection: ■ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: 3G1.1

■ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☐ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
■ Occupant loads for each area
☐ 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)
☐ Actual occupant load for each exit door
☐ 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)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
■ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

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

ACCESSIBLE PARKING

(SECTION 1106)

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

PLUMBING FIXTURE REQUIREMENTS

(TABLE 2902.1)

USE	WATERCLOSETS			URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
VISITORS										
STAFF									-	-
RESIDENTS	-	-				-			-	-

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY SUMMARY EXISTING TO REMAIN

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: ☐ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ■ No ☐ Yes (Provide code or statutory reference)

Climate Zone: ■ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ■ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: RIGID INSULATION ON METAL DECK
U-Value of total assembly:
R-Value of insulation: 38
Skylights in each assembly: N/A
U-Value of skylight: N/A
Total square footage of skylights in each assembly: N/A

Exterior Walls (each assembly)
Description of assembly: BRICK/AIR SPACE/RIGID INS/CMU/GYP BD
U-Value of total assembly: 0.04
R-Value of insulation: 19
Openings (windows or doors with glazing)
U-Value of assembly: 0.04
Solar heat gain coefficient: -
Projection factor: 25
Door R-Values: 3

Walls below grade (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of total assembly: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of total assembly: N/A

Floors slab on grade
Description of assembly: SLAB ON GRADE
U-Value of total assembly: N/A
R-Value of insulation: N/A
Horizontal/vertical requirement: N/A
Slab heated: N/A

STRUCTURAL DESIGN

DESIGN LOADS:

Importance Factors: Snow (I_S) 1.2
Seismic (I_E) 1.5

Live Loads: Roof 20 psf
Mezzanine psf
Floor 100/S.O.G. psf

Ground Snow Load: 10 psf

Wind Load: Ultimate Wind Speed 142 mph (ASCE-7)
Exposure Category D

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

Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☐ II ☐ III ■ IV
Spectral Response Acceleration S_S 12.5 %g S_1 6.2 %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ■ E ☐ 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
Analysis Procedure: ☐ Simplified ■ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ■ Yes ☐ No

LATERAL DESIGN CONTROL: ☐ Earthquake ■ Wind

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 2,000 psf
Presumptive Bearing capacity N/A psf
Pile size, type, and capacity N/A

MECHANICAL DESIGN SEE SHEET 3M3.1

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A
winter dry bulb: 16F
summer dry bulb: 93F

Interior design conditions
winter dry bulb: 70F
summer dry bulb: 74F
relative humidity: 50%

Building heating load: 212.2 MBH

Building cooling load: 509.2 MBH (42.4 TONS)

Mechanical Spacing Conditioning System
Unitary
description of unit: SEE SCHEDULES ON SHEET M2.1
heating efficiency: SEE SCHEDULES ON SHEET M2.1
cooling efficiency: SEE SCHEDULES ON SHEET M2.1
size category of unit: SEE SCHEDULES ON SHEET M2.1
Boiler
Size category, if oversized, state reason: N/A
Chiller
Size category, if oversized, state reason: N/A

List equipment efficiencies:

ELECTRICAL DESIGN SEE SHEET 3E4.1

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code: ■ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture LED, SEE SCHEDULES ON SHEET E4 .1
number of lamps in fixture N/A
ballast type used in the fixture N/A
number of ballasts in fixture N/A
total wattage per fixture LED, SEE SCHEDULES ON SHEET E4.1
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
☐ 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 Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. NORTH CAROLINA CERT. NO. 50681 ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

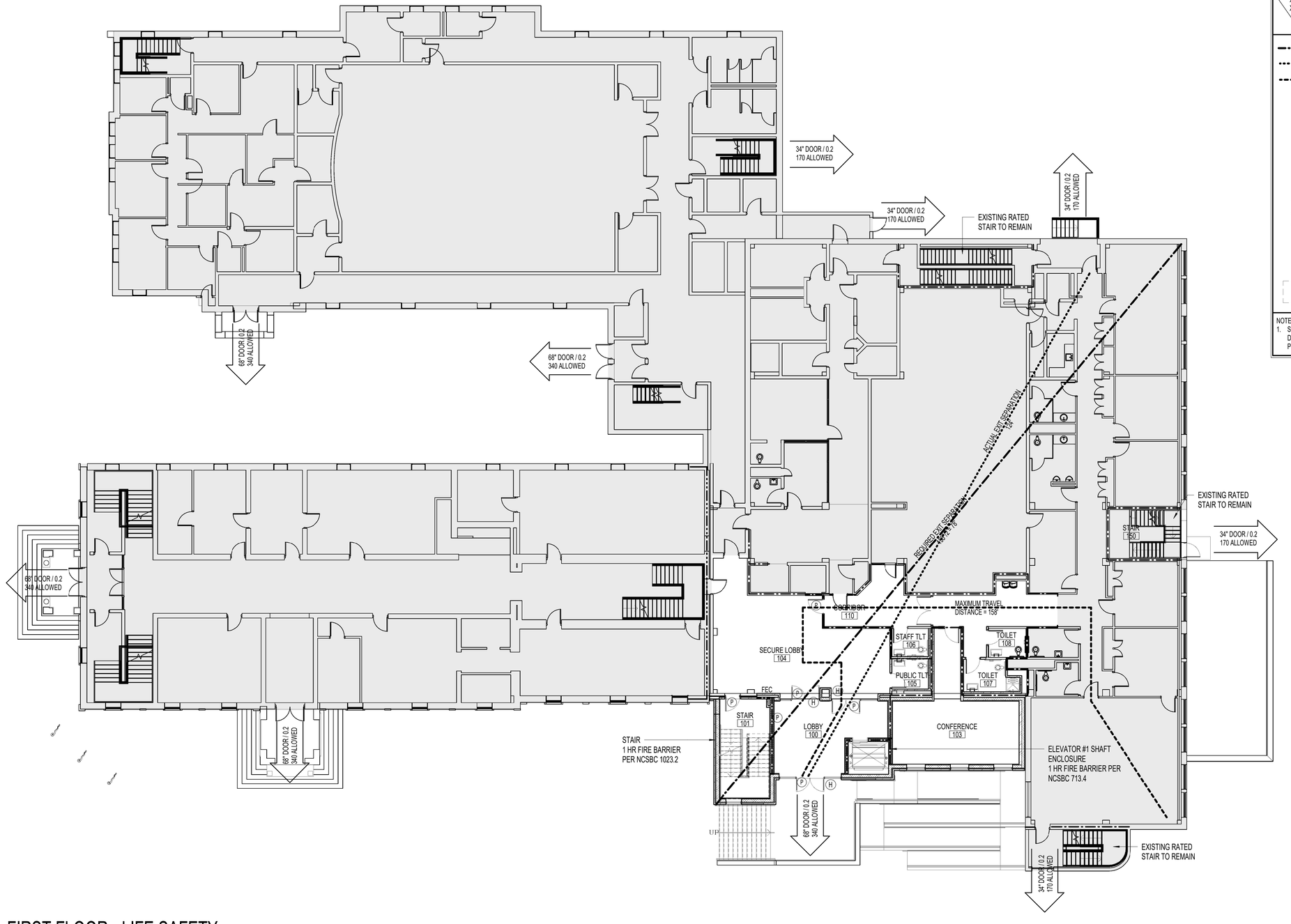
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3G0.2
Checked By: TDO	

Sheet Title
CODE SUMMARY

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



FIRST FLOOR - LIFE SAFETY

3/32" = 1'-0"

LIFE SAFETY LEGEND

- OCCUPANCY
- X / XXX — SQUARE FEET OF ROOM
- XX / XX — OCCUPANT LOAD
- OCCUPANT LOAD FACTOR
- CLEAR DOOR WIDTH
- XX" DOOR / 0.2" — EGRESS CAPACITY FACTOR
- XXX OCC. ALLOWED — EGRESS CAPACITY ALLOWED
- XXX ACTUAL — ACTUAL EGRESS LOAD

	EXIT SEPARATION DISTANCE - REQUIRED
	EXIT SEPARATION DISTANCE - PROVIDED
	MAXIMUM TRAVEL DISTANCE
FEC	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
FED	FIRE EXTINGUISHER IN SURFACE MOUNTED CABINET - DETENTION
FE	FIRE EXTINGUISHER - SURFACE MOUNTED
(H)	HANDICAP DOOR OPERATOR - RECESSED WALL MOUNTED SWITCH
(P)	PANIC HARDWARE
	EXIT SIGN - NOTE 1
	EXIT SIGN/EMERGENCY LIGHT - NOTE 1
	EMERGENCY LIGHT - NOTE 1
H	HORN TYPE AUDIO/VISUAL APPLIANCE - NOTE 1
F	FIRE ALARM PULL STATION - NOTE 1
ARA	AREA OF REFUGE - PROVIDED SIGNAGE AND COMMUNICATIONS PER NCBC AND ALL APPLICABLE CODES

NOTES:
1. SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.

NO WORK IN THIS AREA
INCLUDED IN THIS PROJECT
PHASE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. — REGISTERED ARCHITECTURAL CORPORATION — CERT. NO. 50681 — NORTH CAROLINA — ROCKY MOUNT, NC

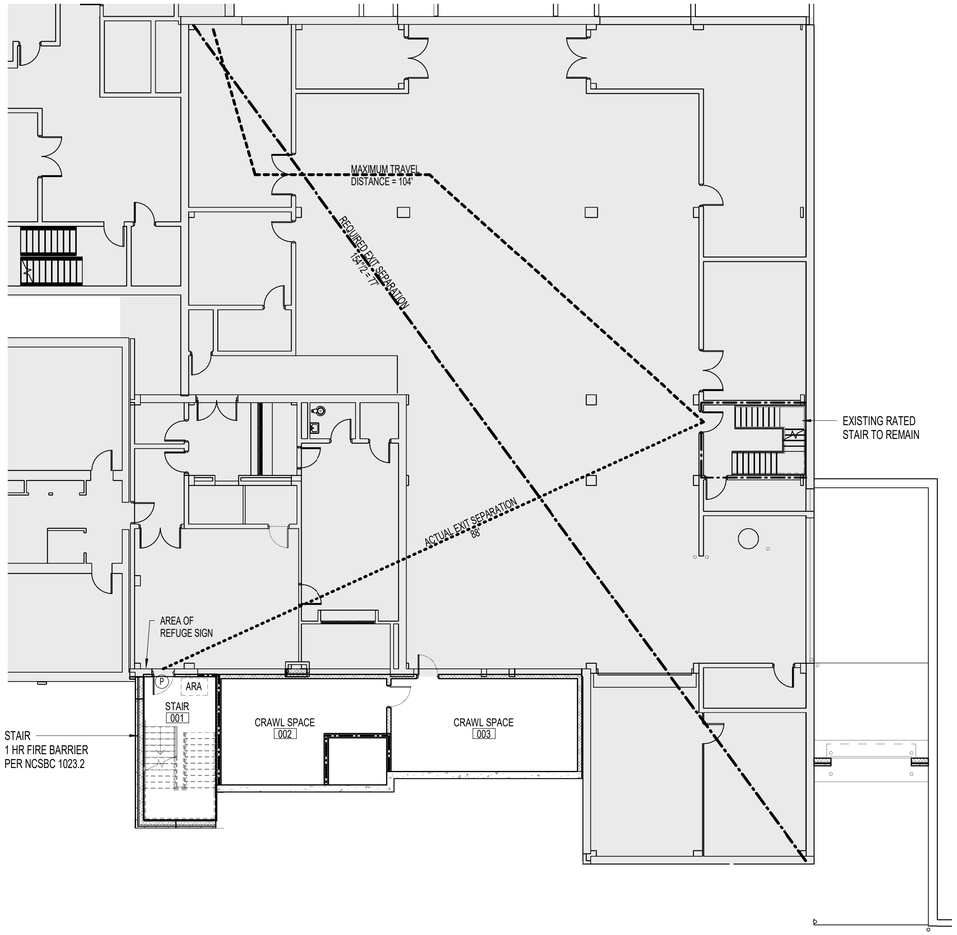
TIMOTHY D. OAKLEY — REGISTERED ARCHITECT — NORTH CAROLINA — ROCKY MOUNT, NC — 01/01/23

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

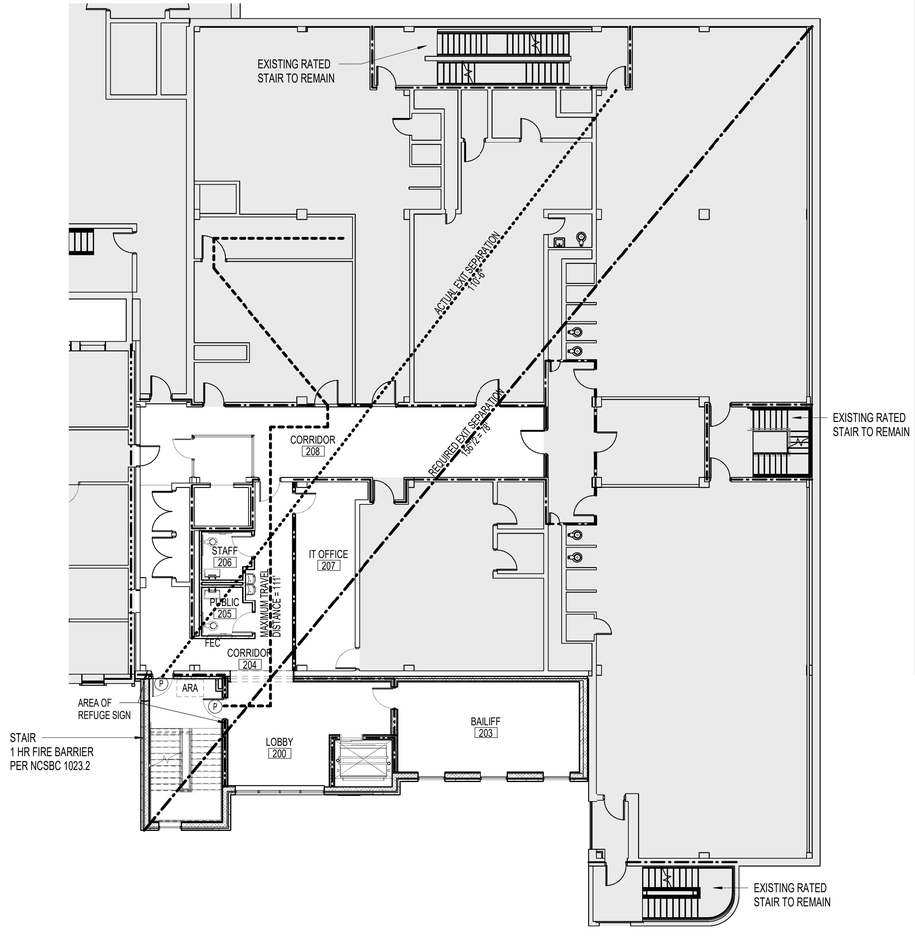
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3G1.1
Checked By: TDO	

Sheet Title: FIRST FLOOR LIFE SAFETY PLAN



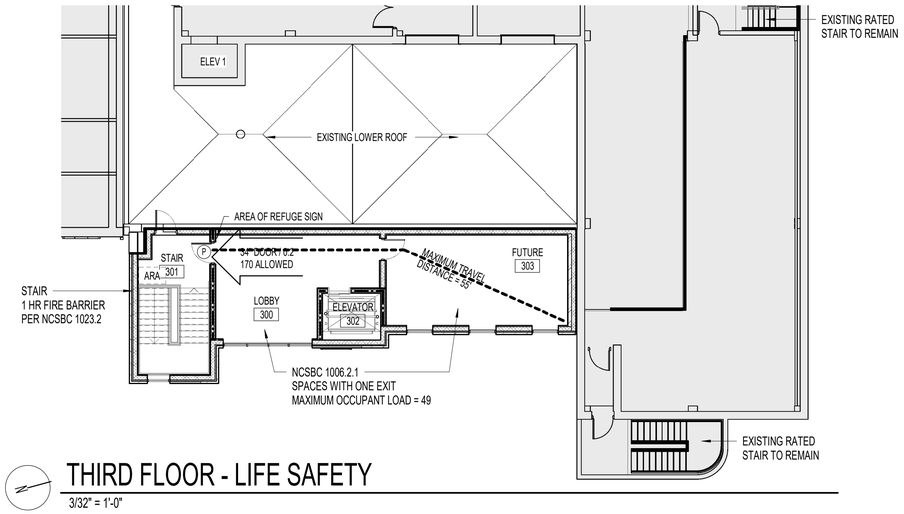
GROUND FLOOR - LIFE SAFETY

3/32" = 1'-0"



SECOND FLOOR - LIFE SAFETY

3/32" = 1'-0"



THIRD FLOOR - LIFE SAFETY

3/32" = 1'-0"

LIFE SAFETY LEGEND

- OCCUPANCY
- X | XXX — SQUARE FEET OF ROOM
- XX | XX — OCCUPANT LOAD
- OCCUPANT LOAD FACTOR
- CLEAR DOOR WIDTH
- XX" DOOR / 0.2" — EGRESS CAPACITY FACTOR
- XXX OCC. ALLOWED — EGRESS CAPACITY ALLOWED
- XXX ACTUAL — ACTUAL EGRESS LOAD
- EXIT SEPARATION DISTANCE - REQUIRED
- EXIT SEPARATION DISTANCE - PROVIDED
- MAXIMUM TRAVEL DISTANCE
- FEC — FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
- FED — FIRE EXTINGUISHER IN SURFACE MOUNTED CABINET - DETENTION
- FE — FIRE EXTINGUISHER - SURFACE MOUNTED
- (H) — HANDICAP DOOR OPERATOR - RECESSED WALL MOUNTED SWITCH
- (P) — PANIC HARDWARE
- EXIT SIGN - NOTE 1
- EXIT SIGN/EMERGENCY LIGHT - NOTE 1
- EMERGENCY LIGHT - NOTE 1
- (H) — HORN TYPE AUDIO/VISUAL APPLIANCE - NOTE 1
- (F) — FIRE ALARM PULL STATION - NOTE 1
- ARA — AREA OF REFUGE - PROVIDED SIGNAGE AND COMMUNICATIONS PER NCBC AND ALL APPLICABLE CODES

NOTES:
1. SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL FIRM CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

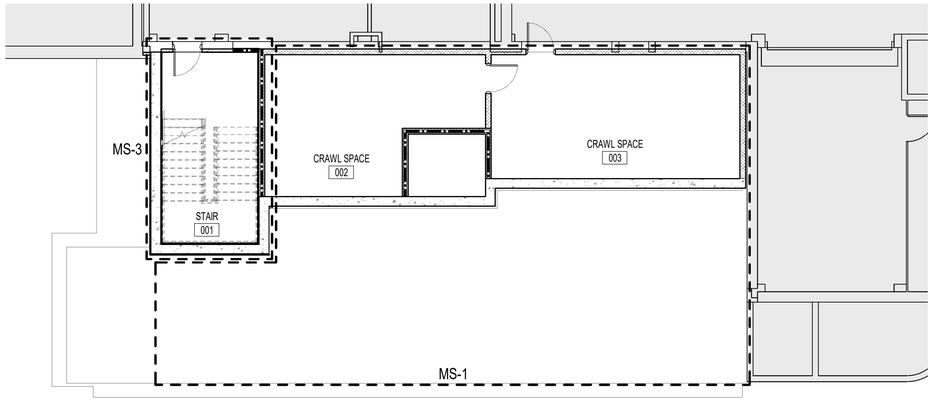
TIMOTHY D. OAKLEY REGISTERED ARCHITECT 22004 NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

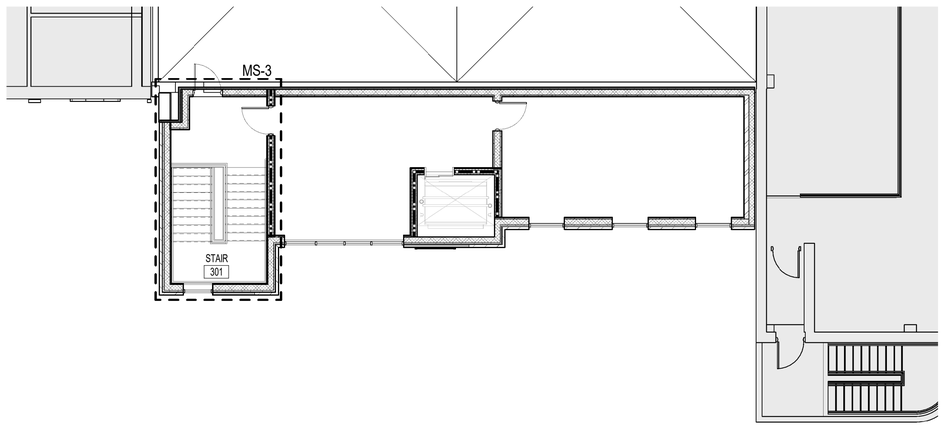
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3G1.2
Checked By: TDO	

Sheet Title
GROUND, SECOND, & THIRD FLOOR LIFE SATETY PLANS



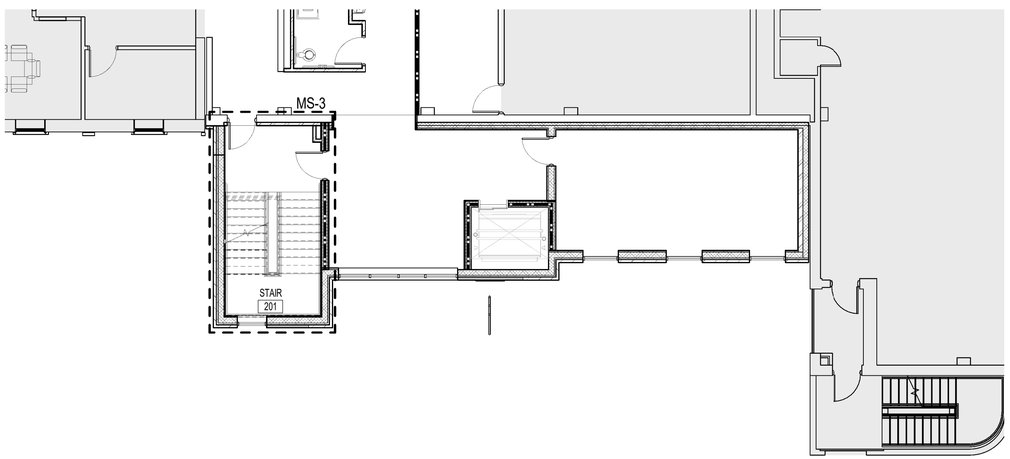
GROUND FLOOR - MITIGATION

1/8" = 1'-0"



THIRD FLOOR - MITIGATION

1/8" = 1'-0"



SECOND FLOOR - MITIGATION

1/8" = 1'-0"

MITIGATION SCOPE OF WORK

SEE SHEET 3G2.0 FOR ADDITIONAL INFORMAITON

THE FOLLOWING MITIGATION SCOPES OF WORK ARE BASE ON THE HAZARD MITIGATION PROPOSAL (HMP) DATED 10/12/21
THE **HMP** LINE ITEM IS LISTED BELOW WITH THE CORRESPONDING **MS** UNIT PRICE DESIGNATION TO BE SHOWN AS A SEPARATE LINE ITEM COST ON THE BID FORM FOR REIMBURSEMENT FROM FEMA TO CRAVEN COUNTY FOR THAT SCOPE OF WORK.

HMP ITEM 7 - MAIN ENTRANCE – ELEVATE THE EXISTING PUBLIC ENTRANCE AND STOREFRONT SYSTEM TO THE FIRST-FLOOR LEVEL ABOVE THE HIGH-WATER DEMARCATION. FOUNDATION WILL FORM BARRIER WALLS TO PREVENT WATER INTRUSION TO GROUND LEVEL. **SEE MS-1 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

HMP ITEM 8 - BASEMENT TOILETS – RELOCATE COURTHOUSE BASEMENT TOILETS TO FIRST FLOOR ABOVE THE HIGH-WATER DEMARCATION. **SEE MS-2 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

HMP STAIR TOWER - 1 - STAIR TOWER ACCESS TO FIRST FLOOR - ARCHITECTURAL:
RENOVATE STAIR TOWER – RENOVATE / REBUILD (1) EXISTING STAIR TOWERS TO PROVIDE EXIT DISCHARGE ABOVE THE HIGH-WATER DEMARCATION. THE NEW EXIT DISCHARGE TO BE ON THE 1ST FLOOR (EOC) LEVEL. **SEE MS-3 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

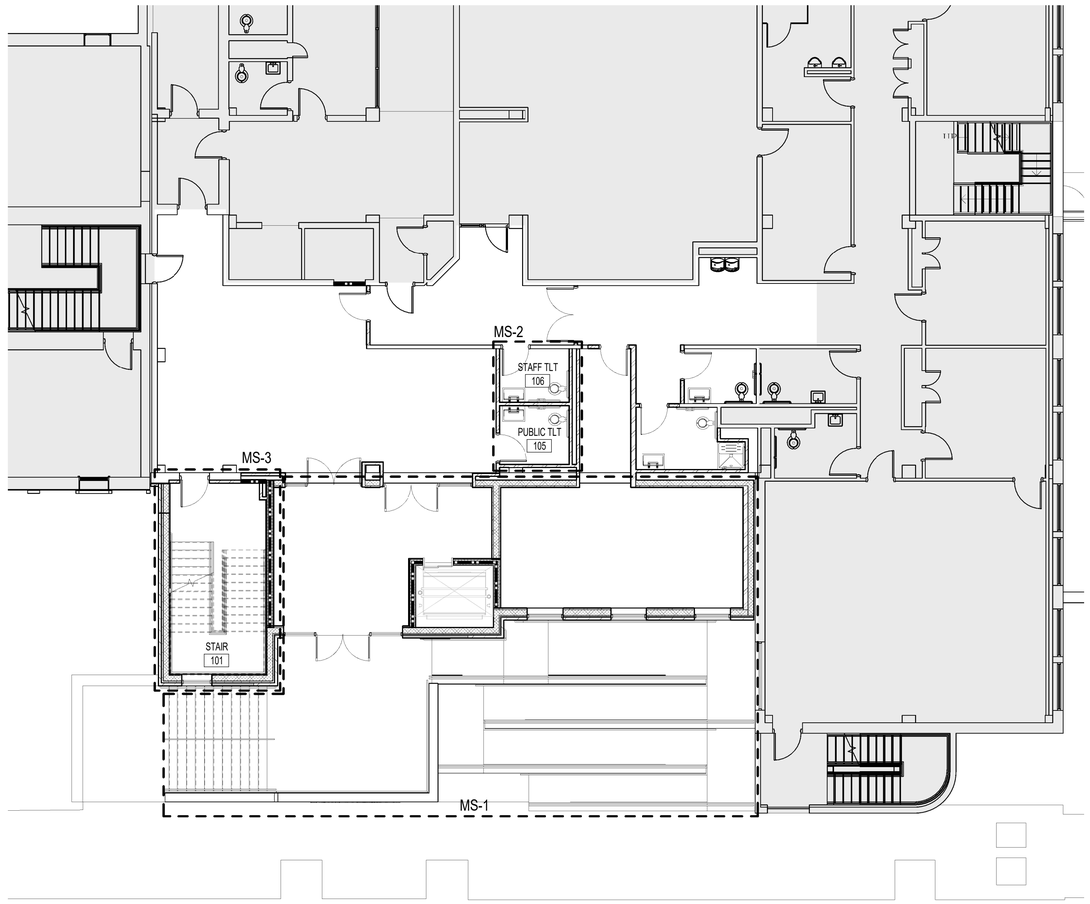
HMP SATIRE TOWER - 1 - STAIR TOWER ACCESS TO FIRST FLOOR - ARCHITECTURAL:
ACCESSIBLE ROUTE TO THE PUBLIC WAY VIA NEW RAMPS AND STAIRS WILL BE REQUIRED TO MEET APPLICABLE CODES AND CHAPTER 11 OF THE NCBC (ACCESSIBILITY). **SEE MS-1 FOR SCOPE OF WORK RELATED TO MITIGATION CONSTRUCTION NOTED ABOVE**

MITIGATION SCOPE (MS) - LINE ITEM DESCRIPTION

MS-1 - ALL WORK ASSOCIATED WITH ARCHITECTURAL AND STRUCTURAL DESIGN FROM THE FOUNDATION SYSTEMS UP TO AND INCLUSIVE OF THE FIRST FLOOR SLAB. THIS PACKAGE SHALL BE INCLUSIVE OF ALL WORK REQUIRED TO CONSTRUCT THE STRUCTURAL PIERS, FOOTINGS, FOUNDATION WALLS DEFINED IN STRUCTURAL PLANS AND SPECIFICATIONS. WORK SHALL ALSO INCLUDE ALL ASSOCIATED ARCHITECTURAL COMPONENTS ATTACHED TO STRUCTURAL SYSTEMS WITHIN SAME DEFINED AREAS. SEE SHEET 3G2.0 & 33A2.1. ALSO SEE REFERENCED AREAS ON STRUCTURAL DRAWINGS.

MS-2 - ALL WORK ASSOCIATED WITH ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DESIGN TO RELOCATE TOILETS . THIS PACKAGE SHALL BE INCLUSIVE OF ALL WORK REQUIRED TO CONSTRUCT TOILET ROOMS 105 & 106 LOCATED ON THE FIRST FLOOR. SEE SHEET 3G2.0 FOR THE DEFINED AREA OF WORK. PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL INCLUDED ALL REQUIRED INFRASTRUCTURE REQUIRED TO EXTEND SERVICES AND TIE INTO EXISTING SYSTEMS. PLUMBING SHALL INCLUDE WATER/SEWER LINES FROM POINT OF MAIN LINE CONNECTION TO NEW TOILET ROOMS AND ALL ASSOCIATED PLUMBING. MECHANICAL SHALL INCLUDE ALL DUCT EXTENSIONS, DEVICES, AND COMPLETE EXHAUSTS SYSTEMS. ELECTRICAL SHALL INCLUDED ALL CIRCUITS AND ASSOCIATED DEVICES IN THE ROOMS.

MS-3 - ALL WORK ASSOCIATED WITH ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DESIGN RELATED TO THE CONSTRUCTION OF THE NEW EXTERIOR STAIR TOWER. THIS PACKAGE SHALL BE INCLUSIVE OF ALL WORK REQUIRED TO CONSTRUCT THE STRUCTURAL PIERS, FOOTINGS, FOUNDATION WALLS DEFINED IN STRUCTURAL PLANS AND SPECIFICATIONS. WORK SHALL ALSO INCLUDE ALL ASSOCIATED ARCHITECTURAL COMPONENTS ATTACHED TO STRUCTURAL SYSTEMS, STEEL STAIRS, RAILINGS, WALL / FLOOR/ CEILING FINISHES, AND ALL COMPONENTS FOR THE **RA** CALL SYSTEM SHOWN ON SHEET 3E4.2 DETAIL 1. SEE SHEET 3G2.0 & 33A2.1 FOR THE DEFINED AREA OF WORK.



FIRST FLOOR - MITIGATION

1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3G2.0
Checked By: TDO	

Sheet Title
MITIGATION SCOPE OF WORK

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

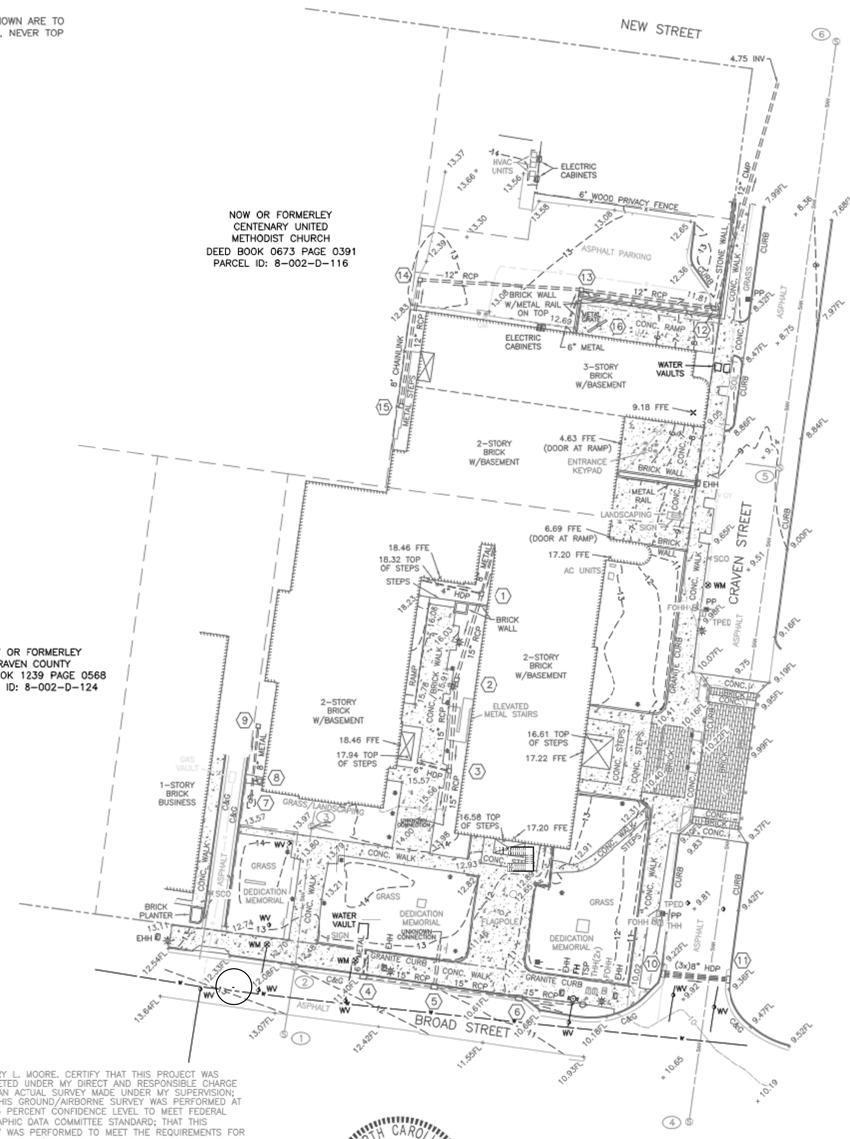
P.B. _____ PG. _____

LEGEND

(1)	(KEYNOTE) SEE STORM DRAIN TABLE	——x——x——	FENCE
(1)	(KEYNOTE) SEE SANITARY SEWER TABLE	▭▭▭▭▭▭	BUILDING WALL
C&G	CURB AND GUTTER	——— G ———	UTILITY – UNDERGROUND GAS LINE
CONC	CONCRETE	——— SAN ———	UTILITY – UNDERGROUND SANITARY GRAVITY LINE
CMP	CORRUGATED METAL PIPE	═══════	UTILITY – STORM DRAIN PIPE
HDP	HIGH DENSITY POLYETHYLENE PIPE		
RCP	REINFORCED CONCRETE PIPE		
VC	VITREOUS/VITRIFIED CLAY PIPE (aka TERRACOTTA)		
△	SURVEY CONTROL POINT		
⊙	TRAFFIC SIGNAL POLE (TSP)		
✱	LIGHT POLE (LP)		
•	LANDSCAPE LIGHT		
⊡	ELECTRIC HANDHOLE (EHH) / ELECTRIC CABINETS		
M	GAS METER (GM)		
●	GAS VALVE (GV)		
Ⓢ	SANITARY SEWER MANHOLE (SMH)		
⊠	SANITARY SEWER CLEAN-OUT (SCO)		
▥	TELEPHONE PEDESTAL (TPED)		
▯	TELEPHONE HANDHOLE (THH)		
⊟	FIBER OPTIC HANDHOLE (FOHH)		
■	POWER POLE (PP)		
——	GUY WIRE		
⚷	FIRE HYDRANT (FH)		
⊗	WATER METER (WM)		
◦	WATER VALVE (WV)		
●	BOLLARD		
⊸	SIGN		
⌒●	FLAGPOLE		

NOTE

ALL SPOT ELEVATIONS SHOWN ARE TO FLOWLINE/FACE OF CURB, NEVER TOP OF CURB.



SANITARY SEWER

(1) SANITARY SEWER MANHOLE
13.33 RIM (BURIED)
6" VC IN (N) (INVERT NOT MEASURED)

(2) SANITARY SEWER MANHOLE
12.03 RIM
6.78 INV 6" VC IN (N)
6.64 INV 6" VC OUT (S)

(3) SANITARY SEWER MANHOLE
13.96 RIM
8.91 INV 6" METAL IN (N)
8.92 INV 4" METAL IN (E)
8.89 INV 4" METAL IN (SE)
8.84 INV 6" VC OUT (S)

(4) SANITARY SEWER MANHOLE
10.13 RIM
2.49 INV 8" VC OUT (N)

(5) SANITARY SEWER MANHOLE
8.92 RIM
2.13 INV 8" VC IN (W)
2.11 INV 8" VC IN (S)
2.05 INV 8" VC OUT (N)

(6) SANITARY SEWER MANHOLE
7.78 RIM
0.58 INV 8" VC IN (S)

NOTE

INVERT GRADES INDICATE REVERSE FLOW BETWEEN INLETS #2 & 3, AND INLETS #12 & 13. THE FIELD CREW RETURNED AND VERIFIED THE ELEVATIONS AS SHOWN HERE.

STORM DRAIN

(1) DROP INLET
18.18 GRATE
13.96 INV 8" METAL IN (N)
14.08 INV 4" HDP IN (W)
13.93 INV 15" RCP OUT (S)

(2) DROP INLET
15.44 GRATE
11.11 INV 15" RCP IN (N)
11.09 INV 15" RCP OUT (S)

(3) DROP INLET
15.50 GRATE
11.55 INV 6" HDP IN (W)
11.46 INV 15" RCP IN (N)
11.44 INV 15" RCP OUT (S)
(UNCERTAIN WHERE IT FLOWS OUT TO)

(4) CURB INLET
11.38 GRATE @ FLOWLINE
7.36 INV 6" METAL IN (N)
7.31 INV 15" RCP OUT (E)

(5) CURB INLET
10.88 GRATE @ FLOWLINE
6.95 INV 15" RCP IN (W)
6.92 INV 15" RCP OUT (E)

(6) CURB INLET
10.38 GRATE @ FLOWLINE
6.28 INV 15" RCP IN (W)
6.05 INV 15" RCP OUT (E)
(UNCERTAIN WHERE IT FLOWS OUT TO)

(7) DROP INLET
12.80 GRATE
10.47 INV 8" METAL IN (N)
(UNCERTAIN WHERE IT FLOWS OUT TO)

(8) DROP INLET
12.82 GRATE
10.86 INV 4" METAL OUT (W)
(TO BLIND CONNECTION)

(9) DROP INLET
13.00 GRATE
10.89 INV 8" METAL OUT (S)

(10) CURB INLET
9.16 GRATE @ FLOWLINE
7.73 INV THREE 8" HDP OUT (E)

(11) CURB INLET
9.33 GRATE @ FLOWLINE
7.50 INV THREE 8" HDP IN (W)

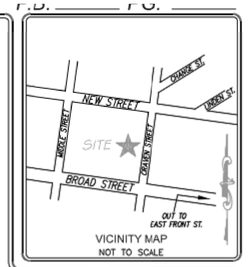
(12) DROP INLET
11.77 GRATE
5.51 INV 12" RCP IN (W)
5.20 INV 12" CMP OUT (N)

(13) DROP INLET
12.41 GRATE
6.70 INV 6" METAL IN (SW)
6.69 INV 4" METAL IN (SE)
5.35 INV 12" RCP IN (W)
5.53 INV 12" RCP OUT (E)

(14) DROP INLET
12.30 GRATE
6.16 INV 12" RCP IN (S)
6.09 INV 12" RCP OUT (E)

(15) DROP INLET
13.42 GRATE
6.53 INV 12" RCP OUT (N)

(16) SLOT DRAIN
4.60 GRATE
3.34 BOTTOM
(UNCERTAIN WHERE IT FLOWS OUT TO)



VICINITY MAP
NOT TO SCALE

N.C. STATE GRID NAD 83/2011

REVISIONS		
NO.	DATE	DESCRIPTION

Vaughn & Melton
FIRM LICENSE # F-1088
3115 TRENT ROAD
New Bern, NC
252-631-5115
Asheville, NC
828-253-2796
Charlotte, NC
704-837-7815
Gray, TN
423-467-8401
Knoxville, TN
865-546-5800
Spartanburg, SC
864-574-4775
Middlesboro, KY
606-248-6600
www.vaughnmelton.com

Copyright © 2010
All Rights Reserved

DRAWN:	JZ
CHECKED:	GM
DATE:	12-14-22
JOB NO:	032210-37
SCALE:	1"=30'
FILE NAME:	032210-37.DWG

NOTES:

1. THE DISTANCES ON THIS MAP ARE UNADJUSTED HORIZONTAL GROUND MEASUREMENTS UNLESS OTHERWISE NOTED.
2. PROPERTY IS ZONED C1 AND R10
3. FLOOD CERTIFICATION
   SEE FIRM 3720558000K, PROPERTY LIES PARTIALLY IN ZONE "X" AND ZONE "AE".
4. DATES OF FIELD SURVEY WORK BETWEEN 07/05/2022 AND 07/11/2022

NO BOUNDARY SURVEY WAS PERFORMED ON THE SUBJECT PROPERTY. AS PER CLIENT REQUEST, PROPERTY LINES AS SHOWN ON THIS PLAN HAVE BEEN DRAWN USING THE CRAVEN COUNTY GIS MAPPING PLATFORM.

I, GARRY L. MOORE, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS GROUND/AIRBORNE SURVEY WAS PERFORMED AT THE 95 PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARD; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A TOPOGRAPHIC/PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS A AND VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS C STANDARD; AND THAT THE ORIGINAL DATA WAS OBTAINED BETWEEN 07/05/22-07/11/22; THAT THE CONTOURS SHOWN AS BROKEN LINES MAY NOT MEET STATED STANDARDS; AND THAT ALL COORDINATES ARE BASED ON NAD 83 AND REALIZATION 2011 AND ALL ELEVATIONS ARE BASED ON NAVD 88.

GARRY MOORE — L-2717

PROFESSIONAL LAND SURVEYOR — REGISTRATION NO.

NORTH CAROLINA PROFESSIONAL SEAL L-2717 LAND SURVEYOR GARRY L. MOORE

30' 0 30' 60'
GRAPHIC SCALE
1"=30'

PLAN OF TOPOGRAPHIC SURVEY AT CRAVEN COUNTY COURTHOUSE

PLAN PREPARED FOR

OAKLEY COLLIER ARCHITECTS

BEING THE PROPERTIES DESCRIBED IN:

DEED BOOK 2147 PAGE 0948, PARCEL ID: 8-002-D-123
DEED BOOK 1025 PAGE 0865, PARCEL ID: 8-002-D-122
DEED BOOK 0118 PAGE 0568, PARCEL ID: 8-002-D-121
DEED BOOK 0887 PAGE 0505, PARCEL ID: 8-002-D-120
DEED BOOK 1000 PAGE 0648, PARCEL ID: 8-002-D-119
DEED BOOK 3189 PAGE 0445, PARCEL ID: 8-002-D-118

NUMBER 8 TOWNSHIP
CRAVEN COUNTY, NORTH CAROLINA

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, PA — CERT NO. 50681 — ROCKY MOUNT, NC

TIMOTHY D. OAKLEY — REGISTERED ARCHITECT — NORTH CAROLINA — ROCKY MOUNT, NC — 07/07/23

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3C1.1
Checked By: TDO	

Sheet Title: EXISTING SITE SURVEY

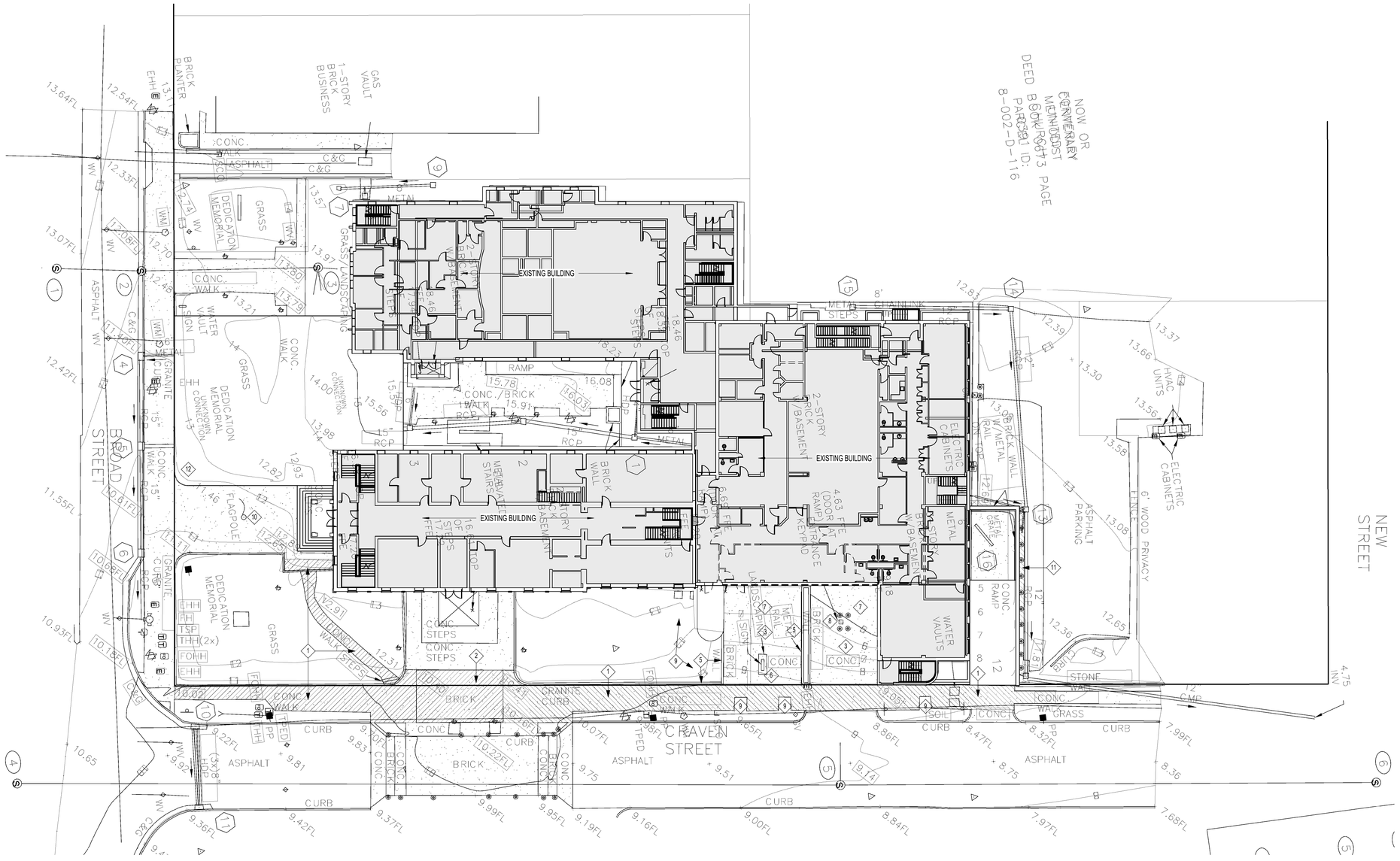
Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

SITE DEMOLITION KEYNOTES

1. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE SIDEWALKS. REPAIR SUBGRADE AS REQUIRED FOR INSTALLATION OF NEW SIDEWALK
2. REMOVE EXISTING MASONRY PAVERS. REPAIR SUBGRADE AS REQUIRED FOR INSTALLATION OF NEW PAVERS.
3. REMOVE EXISTING CONCRETE RAMP IN ITS ENTIRETY
4. REMOVE PORTION OF EXISTING GRANITE CURB AS REQUIRED FOR NEW CONSTRUCTION. SALVAGE STONE FOR RE-USE.
5. REMOVE EXISTING PLANTER WALL AND FOOTING IN ITS ENTIRETY
6. REMOVE EXISTING SIGN AND MASONRY SIGN BASE STRUCTURE AND FOOTINGS IN ITS ENTIRETY
7. REMOVE EXISTING TRENCH DRAIN SYSTEM. PROTECT EXISTING DRAIN PIPE AS REQUIRED FOR FUTURE USE.
8. REMOVE EXISTING BOLLARDS/FOOTINGS AND DOOR CONTROL STATION
9. REMOVE EXISTING TREE AND LANDSCAPING AS REQUIRED FOR NEW CONSTRUCTION.
10. REMOVE EXISTING FLAGPOLE AND BASE. PATCH EXISTING CONCRETE SIDEWALK AS REQUIRED.
11. REMOVE PORTION OF EXISTING CURB AND ASPHALT AS REQUIRED TO DEMOLISH TOP OF EXISTING RAMP RETAINING WALL. REMOVE WALL DOWN TO 12" WIDE CONCRETE PORTION OF WALL. REMOVE BOLLARDS AS REQUIRED.
12. REMOVE EXISTING FLAG FLOOD LIGHT.

GENERAL SITE DEMOLITION NOTES

A. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.
B. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.
C. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.
D. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.
E. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WITH ALL TRADES.
F. ALL ASSOCIATED DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.
G. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
H. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.



SITE PLAN - DEMOLITION

1" = 20'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. LICENSED PROFESSIONAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

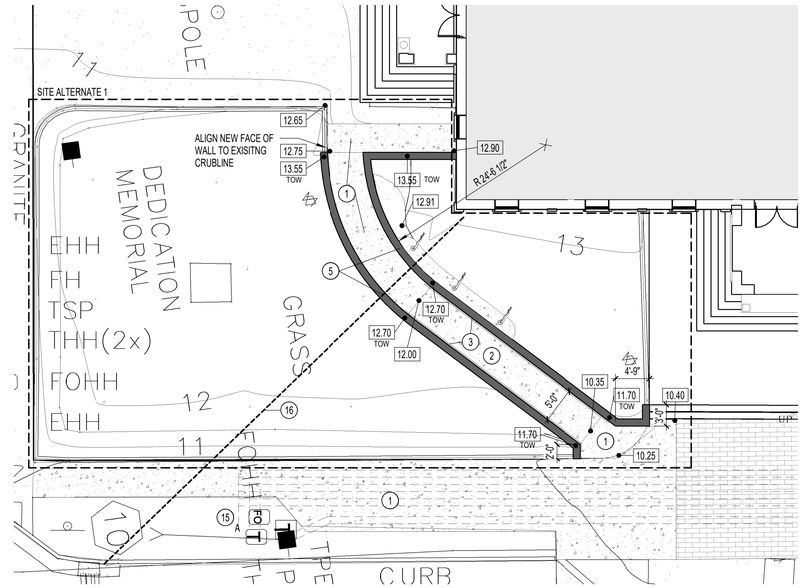
Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3C1.2
Checked By: TDO	

Sheet Title: SITE PLAN - DEMOLITION

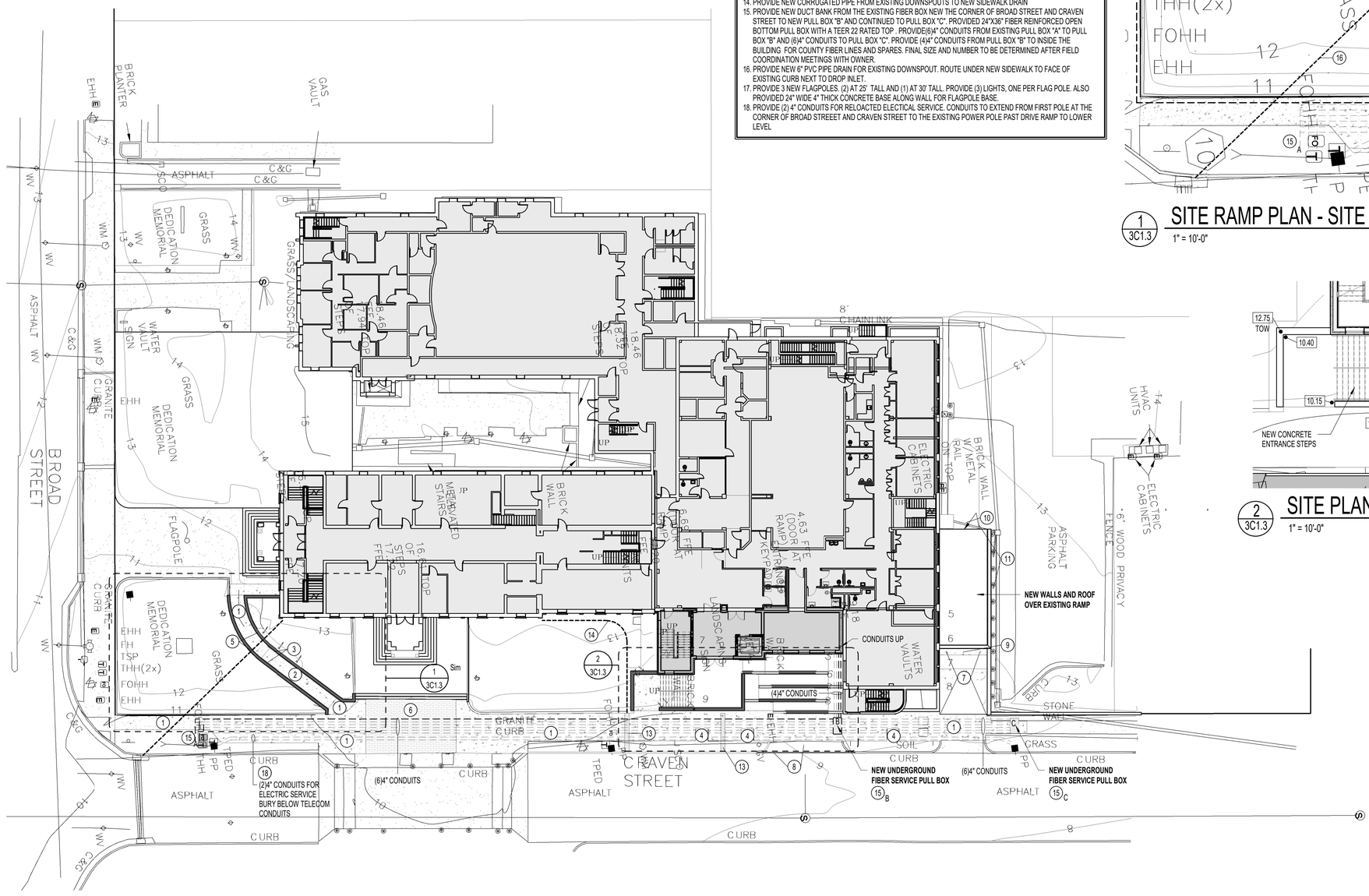
SITE KEYNOTES NOTES

1. NEW 4" CONCRETE SIDEWALK ON COMPACTED SUBGRADE. SURFACE TEXTURE TO MATCH EXISTING. PROVIDE POSITIVE DRAINAGE.
2. NEW CONCRETE RAMP - MAXIMUM SLOPE IS 1:12 - MAXIMUM 1/4" PER FOOT CROSS SLOPE.
3. NEW STAINLESS STEEL HANDRAIL AND SUPPORT POST PER ACCESSIBILITY CODE
4. 4'-8" X 4'-8" FORMED OPENING IN NEW SIDEWALK FOR NEW LANDSCAPING. CONFIRM FINAL LOCATIONS WITH CITY OF NEW BERN. PROVIDE NEW CREPE MYRTLE TREE. SPECIES AND COLOR TO MATCH THE EXISTING.
5. NEW BRICK MASONRY LANDSCAPE RETAINING WALL ALONG SIDEWALK. MAINTAIN 8" MINIMUM ABOVE EXISTING GRADE ADJACENT TO WALL. FINE GRADE ALONG WALL TO ENSURE PROPER DRAINAGE. SEED ALL DISTURB AREAS
6. NEW BRICK PAVERS TO MATCH EXISTING. SALVAGE EXISTING PAVERS IF POSSIBLE FOR REUSE.
7. NEW STEEL BOLLARD - PAINTED (TYPICAL OF 6 AT RAMP AND OVERHEAD DOOR OPENING)
8. NEW CURB TO MATCH EXISTING. INFILL OPENING AT THE OLD RAMP DRIVEWAY. BACKFILL AS REQUIRED AFTER INSTALLATION. CUT AND PATCH THE EXISTING ASPHALT AS REQUIRED FOR INSTALLATION OF NEW CURB
9. NEW CONCRETE RAMP. THICKNESS TO MATCH EXISTING RAMP. EXTEND FROM EDGE OF NEW FLOOD GATE SLAB TO EDGE OF EXISTING.
10. NEW 5'X5' CONCRETE LANDING FOR NEW EXIT DOOR. PROVIDED SLOPED RAMP TO EXISTING ASPHALT SURFACE
11. REPLACE ASPHALT DRIVE AND CONCRETE CURBLINE AS REQUIRED AFTER INSTALLATION OF NEW CONSTRUCTION ON TOP OF THE EXISTING RAMP RETAINING WALL. REINSTALL BOLLARDS TO ORIGINAL LOCATIONS.
12. REPLACE 4 EXISTING CREPE MYRTLES BETWEEN SIDEWALK AND EXISTING CURBLINE. SPECIES AND COLOR TO MATCH THE EXISTING.
13. FORMED RECESSED TRENCH IN NEW SIDEWALK WITH METAL COVER WALKPLATE. EXTEND TRENCH FROM BUILDING SIDE OF SIDEWALK TO EXISTING STREET CURBLINE. CUT SMALL PORTION OF EXISTING CURB TO ALLOW STORM WATER TO DUMP INTO EXISTING STREET GUTTER LINE. ROUTE NEW DOWN SPOUT PIPING AND ROOF LEADER PIPING TO DRAIN THROUGH TRENCH.
14. PROVIDE NEW CORRUGATED PIPE FROM EXISTING DOWNSPOUTS TO NEW SIDEWALK DRAIN
15. PROVIDE NEW DUCT BANK FROM THE EXISTING FIBER BOX NEW THE CORNER OF BROAD STREET AND CRAVEN STREET TO NEW PULL BOX "B" AND CONTINUED TO PULL BOX "C". PROVIDED 24"X36" FIBER REINFORCED OPEN BOTTOM PULL BOX WITH A TEER 22 RATED TOP . PROVIDE(6)4" CONDUITS FROM EXISTING PULL BOX "A" TO PULL BOX "B" AND (6)4" CONDUITS TO PULL BOX "C". PROVIDE (4)4" CONDUITS FROM PULL BOX "B" TO INSIDE THE BUILDING FOR COUNTY FIBER LINES AND SPARES. FINAL SIZE AND NUMBER TO BE DETERMINED AFTER FIELD COORDINATION MEETINGS WITH OWNER.
16. PROVIDE NEW 6" PVC PIPE DRAIN FOR EXISTING DOWNSPOUT. ROUTE UNDER NEW SIDEWALK TO FACE OF EXISTING CURB NEXT TO DROP INLET.
17. PROVIDE 3 NEW FLAGPOLES. (2) AT 25' TALL AND (1) AT 30' TALL. PROVIDE (3) LIGHTS, ONE PER FLAG POLE. ALSO PROVIDED 24" WIDE 4" THICK CONCRETE BASE ALONG WALL FOR FLAGPOLE BASE.
18. PROVIDE (2) 4" CONDUITS FOR RELOACTED ELECTICAL SERVICE. CONDUITS TO EXTEND FROM FIRST POLE AT THE CORNER OF BROAD STREEET AND CRAVEN STREET TO THE EXISTING POWER POLE PAST DRIVE RAMP TO LOWER LEVEL



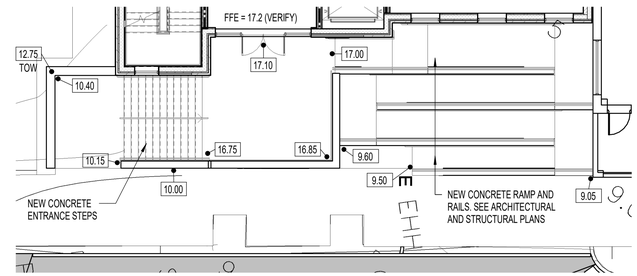
1 / 3C1.3 **SITE RAMP PLAN - SITE ALTERNATE 1**

1" = 10'-0"



SITE PLAN

1" = 20'-0"



2 / 3C1.3 **SITE PLAN -RAMP**

1" = 10'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. — CERT. NO. 50681 — NORTH CAROLINA — ROCKY MOUNT, NC

TIMOTHY D. OAKLEY — REGISTERED ARCHITECT — NORTH CAROLINA — ROCKY MOUNT, NC — 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions
07-24-23 REVISED FOR UNDERGROUND UTILITY

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3C1.3
Checked By: TDO	

Sheet Title: SITE PLAN

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

GENERAL

1. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS (IF PROVIDED). SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
3. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.
4. WHERE A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS OCCURS THE MORE STRINGENT REQUIREMENT SHALL APPLY.
5. IF ANY BIDDER IS IN DOUBT AS TO THE INTENT OF THE DRAWINGS OR SPECIFICATIONS, THEY SHALL REQUEST AN INTERPRETATION IN WRITING PRIOR TO THE SCHEDULED BID DATE.
6. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND GRADE CONDITIONS (BOTH NEW AND EXISTING), REPORTING ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
7. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
8. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, FLOOR SLOPES, AND THE LOCATION OF DEPRESSED FLOOR AREAS.

CONTRACTOR RESPONSIBILITY

1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS (IF PROVIDED) REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE FOLLOWED STRICTLY.
2. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS UNTIL THE STRUCTURAL WORK IS COMPLETE.
3. ALL INTERIOR HANGING COMPONENTS (CEILING, DUCTWORK, PIPING, EQUIPMENT, ETC.) SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE LOADS APPLIED TO THE STRUCTURE DO NOT EXCEED THE LIMITS SHOWN IN THE DESIGN CRITERIA OR ELSEWHERE IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF THE CONNECTIONS TO THE SUPPORTING STRUCTURAL ELEMENTS AND THE ADEQUACY OF THE HANGING SYSTEM TO SUPPORT THE COMPONENTS.
4. ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS, THAT FRAME TO THE UNDERSIDE OF STRUCTURE ABOVE, SHALL BE DETAILED AND FRAMED BY THE CONTRACTOR TO ALLOW FOR DEFLECTION OF THE STRUCTURAL FRAMING. SEE THE DESIGN CRITERIA FOR THE LIMITS USED IN THE DESIGN.
5. PRINCIPAL OPENINGS IN THE STRUCTURE ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL REQUIRED OPENINGS. SUPPORT FRAMING FOR ALL OPENINGS SHALL BE PROVIDED AND INSTALLED PER TYPICAL DETAILS HEREIN WHETHER SHOWN ON THESE DRAWINGS OR NOT. THE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ALL SUBCONTRACTORS AND THEIR APPROVED SHOP DRAWINGS PRIOR TO CONSTRUCTION.
6. ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS NOTED IN THE DESIGN CRITERIA.
7. ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS ARE TO BE ATTACHED AS REQUIRED BY ASCE/SEI 7 CHAPTER 13, "SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS". EACH INDIVIDUAL CONTRACTOR RESPONSIBLE FOR THE COMPONENT MUST PROVIDE PROJECT SPECIFIC DESIGN AND DOCUMENTATION PREPARED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CHAPTER 13 DEFINES THE FORCE REQUIRED TO SUPPORT THE COMPONENT FOR THE ANCHORAGE AND BRACING. THE COST OF PREPARING THIS INFORMATION AND DESIGN SHALL BE INCLUDED IN EACH CONTRACTOR'S BID THAT IS PROVIDING THE COMPONENT.
8. SEVERAL ITEMS NOTED HEREIN (WHERE CHECKED) AND IN THE SPECIFICATIONS REQUIRE THE CONTRACTOR TO ENGAGE A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, TO PROVIDE DESIGN AND/OR DETAILING OF STRUCTURAL ELEMENTS. SEE INDIVIDUAL NOTES AND SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. DELEGATED DESIGN ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO:
   - ☒ SPECIALTY FOUNDATION SYSTEM (HELICAL PIERS)
   - ☐ POST-TENSIONED CONCRETE
   - ☐ STRUCTURAL PRECAST CONCRETE
   - ☐ ARCHITECTURAL PRECAST CONCRETE
   - ☐ STRUCTURAL STEEL (CONNECTIONS)
   - ☐ PREFABRICATED METAL BUILDING
   - ☒ STEEL STAIRS AND RAILINGS
   - ☐ STEEL JOISTS AND STEEL JOIST GIRDERS
   - ☐ ROOF ANCHORS
   - ☐ NON-LOAD BEARING COLD-FORMED STEEL
   - ☐ LOAD BEARING COLD-FORMED STEEL
   - ☐ LIGHT GAUGE COLD-FORMED STEEL TRUSSES
   - ☐ PREFABRICATED WOOD TRUSSES
9. THIS PROJECT REQUIRES SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. SEE STATEMENT OF SPECIAL INSPECTIONS FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL COORDINATE WITH SPECIAL INSPECTOR ALL WORK REQUIRING SPECIAL INSPECTIONS AND TESTING.

DEMOLITION

1. THE CONTRACTOR SHALL NOTIFY ALL LOCAL AGENCIES HAVING JURISDICTION, AND SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR THE DEMOLITION AND REMOVAL OF THE DEBRIS RESULTING FROM THE DEMOLITION.
2. CONTRACTOR SHALL RETAIN, AT THEIR EXPENSE, A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, TO DETERMINE ALL CONSTRUCTION PHASE SHORING REQUIREMENTS. CONTRACTOR SHALL SUBMIT TO THE OWNER AND THE ENGINEER OF RECORD, SIGNED AND SEALED DRAWINGS, OUTLINING OPERATIONAL SEQUENCES, SHORING CONCEPTUAL PLANS, METHODS USED FOR THE PROTECTION OF STRUCTURES TO REMAIN AND NEIGHBORING STRUCTURES.
3. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION AND STABILITY OF EXISTING AND NEW STRUCTURES DURING CONSTRUCTION.
4. BEFORE UNDERTAKING ANY DEMOLITION WORK OR ORDERING MATERIAL, ASCERTAIN BY SURVEY THE EXISTING CONDITIONS OF THE PROPERTIES AND BUILDINGS ADJOINING OR IN CLOSE PROXIMITY TO THE PREMISES. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY.
5. PROVIDE AND MAINTAIN BRACING AND SHORING AS NEEDED. KEEP SUPPORTING STRUCTURE IN PLACE DURING NEW CONSTRUCTION AND UNTIL NEW STRUCTURE IS COMPLETED.
6. STORE AND PROTECT ALL MATERIAL TO BE REMOVED AND REUSED.
7. IF SAFETY OR INTEGRITY OF STRUCTURAL SYSTEM APPEARS TO BE COMPROMISED, CEASE OPERATIONS IMMEDIATELY AND NOTIFY THE OWNER AND THE ENGINEER. PROPERLY BRACE AND SUPPORT STRUCTURE BEFORE RESUMING OPERATIONS.
8. ANY DAMAGE OCCURRING TO THE EXISTING STRUCTURE, ADJACENT STRUCTURES, STREETS, SIDEWALKS, UTILITY LINES OR ANY OTHER PUBLIC OR PRIVATE PROPERTIES, SHALL BE REINSTALLED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO COST TO THE OWNER OR THE ENGINEER.
9. ALL OPENINGS IN EXISTING CONSTRUCTION SHALL BE SAW CUT OR DRILLED.
10. ALL EXISTING INFORMATION SHOWN IS REFERENCED FROM EXISTING DRAWINGS PREPARED BY:
    J.N. PEASE ASSOCIATES, DATED NOVEMBER 17TH, 1981, AND THE SURVEY PERFORMED BY VAUGHN & MELTON, DATED DECEMBER 14TH, 2022.

DESIGN CRITERIA

1. PROJECT LOCATION: 411 CRAVEN STREET | NEW BERN, NC
2. APPLICABLE CODES:
   2018 NORTH CAROLINA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH REVISIONS)
   MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-10)
   BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
   BUILDING CODE REQUIREMENTS|SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530|530.1-13)
   SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10)
   NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2015)
   NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100-12)
3. RISK CATEGORY: IV
4. DEFLECTION:
   FLOOR FRAMING — L/240 FOR TOTAL LOADING (1.50" FOR 30' SPAN), L/360 FOR LIVE LOADING (1.00" FOR 30' SPAN)
   ROOF FRAMING — L/180 FOR TOTAL LOADING (2.00" FOR 30' SPAN), L/240 FOR LIVE LOADING (1.50" FOR 30' SPAN)
   MEMBERS SUPPORTING BRICK — L/600 FOR LIVE LOADING (0.60" FOR 30' SPAN)
5. LIVE LOADS:

	UNIFORM (PSF)	CONCENTRATED (LB)
PUBLIC RESTROOMS	100	2,000
CORRIDORS (2ND AND ABOVE)	100	2,000
CORRIDORS (GROUND)	100	2,000
OFFICE	65*	2,000
PUBLIC AREAS, LOBBIES	100	2,000
ROOF	20	300
STAIRS	100	300
STORAGE	125	NA

   * ADDITIONAL 15 PSF PARTITION LOAD INCLUDED
6. SNOW LOAD:
   GROUND SNOW LOAD — p_g = 10 PSF
   IMPORTANCE FACTOR — I_s = 1.2
   SNOW EXPOSURE FACTOR — C_e = 1.00
   THERMAL FACTOR — C_t = 1.00
   FLAT SNOW ROOF LOAD — p_f = 12 PSF
7. WIND LOAD:
   ULTIMATE DESIGN WIND SPEED — V_{ult} = 142MPH (NOMINAL DESIGN WIND SPEED, V_{asd} = 111 MPH)
   SERVICEABILITY WIND SPEED — V = 101 MPH (MEAN RECURRENCE INTERVAL OF 50 YEARS)
   EXPOSURE CATEGORY — D
   INTERNAL PRESSURE COEFFICIENTS — ±0.18
   BASE SHEAR (1.0xW)(NEW ENTRY BLDG) — V_x = 45k, V_y = 169k
   COMPONENTS AND CLADDING -
   ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS AS DETERMINED PER THE GOVERNING BUILDING CODE FOR THE ULTIMATE DESIGN WIND SPEED AND EXPOSURE CATEGORY LISTED ABOVE. ALTERNATIVELY, THE COMPONENT MANUFACTURER MAY USE THE WORST-CASE PRESSURES (PSF) BELOW::

ZONE		EFFECTIVE WIND AREA (SF)			
		10	50	100	500
ROOF	1	+26 -103	+24 -87	+21 -81	+21 -65
	2	+26 -136	+24 -114	+21 -106	+21 -87
	3	+26 -186	+24 -144	+21 -125	+21 -87
WALL	4	+65 -70	+59 -65	+54 -59	+48 -54
	5	+65 -87	+59 -73	+54 -68	+48 -54

8. SEISMIC LOAD:
   DESIGN METHOD - EQUIVALENT LATERAL FORCE PROCEDURE
   S_S — 12.5 %g
   S_1 — 6.2 %g
   S_{DS} — 20.8 %g
   S_{D1} — 14.6 %g
   IMPORTANCE FACTOR — I_e = 1.5
   SITE CLASS — E
   SEISMIC DESIGN CATEGORY — D
   SEISMIC FORCE-RESISTING SYSTEM -
   SPECIAL REINFORCED MASONRY SHEAR WALLS, SPECIAL REINFORCED CONCRETE SHEARWALLS
   RESPONSE MODIFICATION COEFFICIENT — R_x = 5, R_y = 5
   DEFLECTION AMPLIFICATION FACTOR — C_{dx} = 3.5, C_{dy} = 3.5
   SEISMIC RESPONSE COEFFICIENT — C_{sx} = 0.062, C_{sy} = 0.062
   BASE SHEAR (1.0xE) — V_x = 102k, V_y = 102k
9. FUTURE LOADS:
   UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.
10. FLOOD DESIGN:
    FIRM PANEL NO: 3720558000K
    FLOOD ZONE: ZONE X
    SUFFIX: K
    MAP PANEL DATE: JUNE 19, 2020
    REGULATORY FLOODWAY: OUTSIDE REGULATORY FLOODWAY
    BASE FLOOD ELEVATION PER FIRM: N/A
    500-YR FLOOR ELEVATION PER FIRM: 10.0' ABOVE MSL (NAVD88)

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION BY STEWART, INC DATED SEPTEMBER 29, 2022 PROJECT #F22027.00.
2. ALL RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS NOTED ON THE DRAWINGS MUST BE FOLLOWED IN PREPARATION OF THE SUBGRADE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL OBTAIN THE REPORT FROM THE OWNER AND BE FAMILIAR WITH THE RECOMMENDATIONS CONTAINED IN THERIN PRIOR TO THE START OF CONSTRUCTION. IF THE CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFER FROM THOSE DESCRIBED IN THE REPORT, THE OWNER SHALL NOTIFY THE GEOTECHNICAL ENGINEER OF RECORD SO THE RECOMMENDATIONS CAN BE REEVALUATED.
3. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE GEOTECHNICAL ENGINEER OR TESTING LAB TO REACH SOIL CAPABLE OF PROVIDING THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE. ALL EXPANSIVE AND/OR LOOSE SOILS BELOW STRUCTURAL FOUNDATIONS SHALL BE REMOVED AND REPLACED AS DIRECTED HEREIN. TOP OF FOOTING ELEVATION MUST REMAIN TE SAME AS SHOWN ON DRAWINGS.
4. MINIMUM SUBGRADE PREPARATION REQUIREMENTS ARE AS FOLLOWS:
   1. PREPARE SUBGRADE AND UNDERFLOOR FILL TO A POINT THAT EXTENDS 3'-0" (MINIMUM) BEYOND THE LIMITS OF THE FOUNDATIONS.
   2. COMPACT ALL FILL UNDER BUILDING TO 98% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698.
   3. PLACE ALL FILL UNDER BUILDING, AT RETAINING WALLS, AND ALL OTHER REQUIRED LOCATIONS IN LIFTS OF 8" (MAXIMUM) LOOSE THICKNESS WHEN USING LARGE RIDING COMPACTORS (REDUCE THICKNESS AS NECESSARY FOR SMALLER EQUIPMENT) AND COMPACT EACH LIFT TO 95% MAXIMUM DRY DENSITY.
   4. SLABS ON GRADE SHALL BE SUPPORTED ON A BASE LAYER OF POROUS FILL (WASHED STONE OR CLEAN SAND) WITH A MINIMUM THICKNESS OF 4".
5. FIELD COMPACTION SHALL BE VERIFIED WITH AT LEAST ONE TEST PER 2,000 SQUARE FEET PER LIFT (AT LEAST ONE PER LIFT), IN ACCORDANCE WITH ASTM D1556 (SAND-CONE METHOD), ASTM D6938 (NUCLEAR METHODS, SHALLOW DEPTH), ASTM D2167 (RUBBER BALLOON METHOD), AND/OR ASTM D2937 (DRIVE-CYLINDER METHOD). SEE SPECIFICATIONS FOR OTHER TESTING REQUIREMENTS.
6. CAST-IN-PLACE CONCRETE WALLS RETAINING SOIL SHALL BE FULLY BACKFILLED PRIOR TO PLACEMENT OF FIRST ELEVATED (FIRST FLOOR) SLAB. BACKFILLING IS NOT PERMITTED UNTIL THE RETAINING WALLS HAVE REACHED FULL DESIGN STRENGTH.
7. WALLS RETAINING SOIL HAVE BEEN DESIGNED UTILIZING THE FOLLOWING PARAMETERS:
   MOIST SOIL UNIT WEIGHT — 120 PCF
   ACTIVE PRESSURE COEFFICIENT — 0.33
   AT-REST PRESSURE COEFFICIENT — 0.50
   PASSIVE PRESSURE COEFFICIENT — 3.00
   COEFFICIENT OF FRICTION — N/A
8. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL SUCH CONDITIONS PRIOR TO CONSTRUCTION.

HELICAL PILES

1. A HELICAL PILE FOUNDATION SYSTEM SHALL BE DESIGNED, DETAILED AND CONSTRUCTED BY A SPECIALTY FOUNDATION CONTRACTOR.
2. ENGINEERED CALCULATIONS AND SHOP DRAWINGS MUST BE SUBMITTED TO THE LOCAL AUTHORITIES PRIOR TO ISSUANCE OF A FOUNDATION OR GENERAL BUILDING PERMIT.
3. CONTRACTOR BIDS SHALL BE BASED AN ASSUMED PIER DEPTH OF 55' AND THE HELIX NOTED BELOW. FINAL LENGTH AND ADDITIONAL HELIX QUANTITY SHALL BE DETERMINED BASED ON HELICAL SCREW TEST PROBE PROCEDURE. FINAL CONTRACT AMOUNTS WILL BE ESTABLISHED BASED ON THIS TEST AND FINAL INSTALLED DEPTHS. CONTRACT AMOUNTS WILL BE ADJUSTED (UP OR DOWN) BASED ON BID UNIT PRICES. GENERAL CONTRCACTOR IS TO PROVIDE BID UNIT PRICE AT TIME OF BID.
4. SPECIALTY FOUNDATION CONTRACTOR SHALL INCLUDE IN THEIR BID AND PERFORM A HELICAL SCREW TEST PROBE AS LISTED BELOW PRIOR TO ANY INSTALLATION.
   A. USING A SINGLE 8 IN DIAMETER HELIX ON A 4-1/2 IN SHAFT WITH ½ IN THICK HELIX (PREFERRED).
   B. PROVIDE ENOUGH EXTENSIONS REQUIRED TO EXCEED THE MINIMUM DEPTH.
   C. DRIVE HEAD SHALL BE CAPABLE OF 10,000 FT-LBS OF TORQUE.
   D. PRESSURE GAUGE PLUMBED INTO THE SYSTEM SO HYDRAULIC PRESSURE CAN BE READ THE INSTANT PINS ARE SHEARED IN THE SHEAR PIN TORQUE INDICATOR. THE GAUGE SHOULD HAVE A MAXIMUM PRESSURE NEEDLE.
   E. START WITH 2 PINS IN THE SHEAR PIN TORQUE INDICATOR. START INSTALLING THE HELICAL SCREW PILE PROBE. THE INSTANT TWO PINS BREAK READ THE PRESSURE GAUGE. RECORD THE DEPTH OF THE PROBE, THE TORQUE FOR TWO PINS (1,000 FT-LBS), THE PRESSURE READING ON THE PRESSURE GAUGE THE INSTANT THE PINS BROKE, AND DESCRIBE ANY OBSERVED SOIL QUALITY SUCH AS "COBBLES" OR "GRINDING", ETC.
   F. PLACE 3 PINS IN THE SHEAR PIN TORQUE INDICATOR. CONTINUE INSTALLING THE HELICAL SCREW PILE PROBE WHILE MONITORING THE PRESSURE GAUGE. RECORD THE PRESSURE ON THE PRESSURE GAUGE EVERY 2 FT AS THE PROBE SCREWS DEEPER AND DEEPER INTO THE SOIL. RECORD THIS PRESSURE. CONTINUE INSTALLING THE PROBE UNTIL 3 PINS BREAK. THE INSTANT 3 PINS BREAK READ THE PRESSURE GAUGE. RECORD THE DEPTH OF THE PROBE, THE TORQUE FOR 3 PINS (1,500 FT-LBS), THE PRESSURE READING ON THE PRESSURE GAUGE THE INSTANT THE PINS BROKE AND DESCRIBE ANY OBSERVED SOIL QUALITY.
   G. PLACE 4 PINS IN THE SHEAR PIN TORQUE INDICATOR. CONTINUE INSTALLING THE HELICAL SCREW PILE PROBE WHILE MONITORING THE PRESSURE GAUGE. RECORD THE PRESSURE ON THE PRESSURE GAUGE EVERY 2 FT AS THE PROBE SCREWS DEEPER AND DEEPER INTO THE SOIL. RECORD THIS PRESSURE. CONTINUE INSTALLING THE PROBE UNTIL 4 PINS BREAK. THE INSTANT 3 PINS BREAK READ THE PRESSURE GAUGE. RECORD THE DEPTH OF THE PROBE, THE TORQUE FOR 4 PINS (1,500 FT-LBS), THE PRESSURE READING ON THE PRESSURE GAUGE THE INSTANT THE PINS BROKE AND DESCRIBE ANY OBSERVED SOIL QUALITY.
   H. REPEAT THIS PROCEDURE FOR FIVE PINS, THEN SIX AND SO ON UP TO 20 PINS OR UNTIL YOU RUN OUT OF EXTENSIONS.
   I. RECORD THE PROBE LOCATION, DATE THE TEST WAS PERFORMED, NAMES OF THE PEOPLE WHO PERFORMED THE TEST AND ANY OBSERVERS.
   J. PROVIDE ALL INFORMATION TO THE ENGINEER OF RECORD AND SPECIALTY FOUNDATION ENGINEER. THE SPECIALTY FOUNDATION ENGINEER SHALL USE THIS INFORMATION TO COMPLETE THEIR DESIGN AND DETERMINE THE APPROXIMATE DEPTH OF PILE AND QUANTITY OF HELIX REQUIRED.
5. THE DESIGN SHALL BE COMPLETED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT WITH A MINIMUM OF 5 YEARS EXPERIENCE IN THE DESIGN OF HELICAL PILE FOUNDATIONS SYSTEMS. THIS ENGINEER SHALL BE TERMED THE SPECIALTY FOUNDATION ENGINEER. A COMPLETE SET OF SEALED CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO INSTALLATION. THE DESIGN SHALL INCLUDE THE CONNECTION OF THE HELICAL PILE TO THE STRUCTURE. THE DESIGN SHALL BE BASED ON PROVIDED BUILDING WORKING LOAD REACTIONS NOTED ON THE DRAWINGS TIMES A FACTOR OF SAFETY OF 2.0. THE SPECIALTY FOUNDATION ENGINEER SHALL DETERMINE THE TOTAL LENGTH OF PILE, NUMBER AND SIZE OF HELIX AND REQUIRED TORQUE TO OBTAIN THE ULTIMATE CAPACITY NOTED. BELOW ARE MINIMUM REQUIREMENTS (DEPTH, HELIX AND TORQUE) THAT MUST BE MET. THE SPECIALTY FOUNDATION ENGINEER WILL DETERMINE IF THEY SHOULD BE EXCEEDED BUT IN NO CASE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD SHALL THEY BE LESS.
6. THE INSTALLER MUST HAVE A MINIMUM OF 5 YEARS EXPERIENCE IN INSTALLING A HELICAL PILE SYSTEM.
7. ALL EQUIPMENT USED MUST BE SUITED FOR THE SITE CONSTRAINTS, CLOSE QUARTERS TO EXISTING BUILDINGS. CARE MUST BE TAKEN TO NOT HARM THE EXISTING STRUCTURE OR SURROUNDINGS.
8. ALL PILES SHALL BE PATENTED HELICAL PILES AND APPURTENANCES. ALL HELICAL PILES ARE TO BE INSTALLED BY A FACTORY CERTIFIED INSTALLER. A CERTIFIED TECHNICIAN MUST BE ON SITE AT ALL TIMES TO WITNESS PILE INSTALLATION.
9. ALL HELICAL PILES SHALL BE APPROVED BY THE GOVERNING BUILDING CODE.
10. ALL HELICAL PILES SHALL HAVE THE FOLLOWING AS MINIMUM REQUIREMENTS:
    A. 140 KIP ULTIMATE CAPACITY IN DOWNWARD DIRECTION (BASED ON A FACTOR OF SAFETY 2.0 – THUS WORKING LOAD OF 70 KIPS)
    B. 2.5KIP ULTIMATE LATERAL LOAD CAPACITY, ACTING SIMULTANEOUSLY WITH OTHER DESIGN LOADS.
    C. HELICAL PILE SHALL BE A MINIMUM 4 1/2 IN SQUARE SHAFT WITH 8 IN, 10 IN OR 12 IN DIAMETER HELIX AS DETERMINED BY THE SPECIALTY FOUNDATION ENGINEER.
    D. HELICAL PILE SHAFT SHALL BE A MINIMUM OF A 1 1/2 IN SQUARE SHAFT WITH AT LEAST AN 8 IN, 10 IN AND 12 IN DIAMETER HELIX
    E. HELICAL PILES SHALL BE INSTALLED TO A MINIMUM DEPTH OF 15 FEET
    F. A MINIMUM INSTALLED TORQUE AS DETERMINED BY THE SPECIALTY FOUNDATION ENGINEER. SUBJECT TO THE FOLLOWING PROVISIONS:
       1. IF THE MINIMUM TORQUE REQUIREMENT HAS NOT BEEN SATISFIED AT THE MINIMUM DEPTH LEVEL, THE CONTRACTOR SHALL HAVE THE FOLLOWING OPTIONS:
          a. INSTALL THE PILE DEEPER USING ADDITIONAL EXTENSIONS UNTIL THE MINIMUM OR REQUIRED TORQUE LEVEL IS OBTAINED.
          b. REMOVE THE EXISTING PILE AND INSTALL A PILE WITH LARGER AND/OR MORE HELICES. THE REVISED PILE SHALL BE INSTALLED BEYOND THE TERMINATION DEPTH OF THE ORIGINAL PILE, AS DIRECTED BY THE ENGINEER.
          c. ADD ADDITIONAL PILES AS RECOMMENDED BY ENGINEER.
       2. IF THE MAXIMUM TORQUE RATING OF THE PILE AND/OR INSTALLING UNIT HAS BEEN REACHED PRIOR TO SATISFYING THE MINIMUM DEPTH REQUIREMENT, THE CONTRACTOR SHALL HAVE, A) THE OPTION TO INCREASE THE TERMINAL TORQUE TO A MAXIMUM OF 10,000 FT. LBS. (3,500 FT.LBS. WITH HAND HELD EQUIPMENT.), B) AFTER CONSULTING WITH THE ENGINEER OF RECORD, THE CONTRACTOR MAY REDUCE THE SIZE OF THE HELIX AS REQUIRED TO ACHIEVE THE MINIMUM DEPTH WHILE STILL ACHIEVING THE MINIMUM OR REQUIRED TORQUE.
11. HELICAL PILES SHOULD BE INSTALLED AT THE SPACING SHOWN ON THE CONTRACT DRAWINGS AND AS SHOWN ON THE REVIEWED SPECIALTY FOUNDATION ENGINEER'S PLAN. ALL CHANGES IN PILE LOCATION MUST BE APPROVED BY THE ENGINEER OF RECORD.
12. IF UNDERGROUND OBSTRUCTIONS ARE ENCOUNTERED DURING INSTALLATION, THE CONTRACTOR SHALL HAVE THE OPTION OF REMOVING THE OBSTRUCTION IF POSSIBLE OR RELOCATING THE PILE WITH THE BOTH THE SPECIALTY FOUNDATION ENGINEER'S AND ENGINEER OF RECORD'S APPROVAL. THE LATTER OPTION MAY REQUIRE THE RELOCATION OF ADJACENT PILES.
13. THE HELICAL PILE SHALL BE CONNECTED TO THE STRUCTURE USING AN APPROVED STEEL BRACKET OR SLAB-SUPPORTING CHANNEL AS DETERMINED BY THE SPECIALTY FOUNDATION ENGINEER AND APPROVED BY THE ENGINEER OF RECORD. THESE CONNECTION DEVICES SHALL BE CAPABLE OF SAFELY TRANSFERRING THE STRUCTURAL LOADS TO THE HELICAL PILE.
14. WRITTEN INSTALLATION RECORDS SHALL BE OBTAINED FOR EACH HELICAL PILE. THESE RECORDS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
    A. PROJECT NAME AND/OR LOCATION.
    B. NAME OF CONTRACTOR'S FOREMAN OR REPRESENTATIVE WHO WITNESSED THE INSTALLATION.
    C. DATE AND TIME OF INSTALLATION.
    D. LOCATION AND REFERENCE NUMBER OF EACH PILE.
    E. DESCRIPTION OF LEAD SECTION AND EXTENSIONS INSTALLED.
    F. OVERALL DEPTH OF INSTALLATIONS REFERENCED FROM BOTTOM OF GRADE BEAM OR FOOTING.
    G. TORQUE READING FOR THE LAST THREE FEET OF INSTALLATION IF PRACTICAL. IN LIEU OF THIS REQUIREMENT, THE TERMINAL TORQUE SHALL BE RECORDED AS A MINIMUM.
    H. ANY OTHER RELEVANT INFORMATION RELATING TO THE INSTALLATION.
15. HELICAL PILES, EXTENSIONS AND APPURTENANCES SHALL BE HOT-DIPPED GALVANIZED STEEL IN ACCORDANCE WITH ASTM A153.
16. HELICAL PILE SYSTEM DESIGN SHALL BE BASED ON THE SOIL REPORT INDICATED ABOVE. A COPY MAYBE INCLUDED IN THE PROJECT MANUAL. IT IS ALSO AVAILABLE AT THE ARCHITECT'S AND ENGINEER'S OFFICES.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2300
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET, SUITE 1100, RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT S20089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRIAN COVINGTON

07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S0.1
Checked By: MBC	

Sheet Title: GENERAL NOTES

CONCRETE | REINFORCING STEEL

1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. CONCRETE MIXTURES AS REQUIRED (BASED ON CLASS DESIGNATION):

CLASS A - MAT FOOTINGS	NWC	5,000 PSI	
CLASS A - WALL FOOTINGS	NWC	3,000 PSI	
CLASS B - FOUNDATION WALLS	NWC	4,500 PSI	
CLASS E - INTERIOR LWC SLABS ON METAL DECK	LWC	4,000 PSI	
CLASS F - EXTERIOR SLABS ON GRADE, PADS, TOPPINGS	NWC	4,500 PSI	
CLASS I - INTERIOR METAL PAN STAIRS/LANDINGS	NWC	2,500 PSI	(SEE **STEEL STAIRS AND RAILINGS** NOTES)
CLASS J - EXTERIOR RETAINING WALLS	NWC	4,500 PSI	

3. REINFORCING:
   TYPICAL - ASTM A615, GRADE 60
   REINFORCING TO BE WELDED - ASTM A706
   DEFORMED BAR ANCHORS - ASTM A496
   WELDED WIRE FABRIC - ASTM A1064 (FLAT SHEETS ONLY)
4. GROUT UNDER BASE PLATES TO BE HIGH STRENGTH (5,000 PSI), NON-SHRINK.
5. REFER TO THE DRAWINGS FOR REINFORCING LAP REQUIREMENTS. WHERE LAP SPLICES ARE NOT SHOWN, LAP PER ACI 318 OR CRSI STANDARDS.
6. LAP WELDED WIRE FABRIC SHEETS 8" MINIMUM.
7. CLEAR COVER FROM FACE OF CONCRETE, UNLESS OTHERWISE NOTED:
   CAST IN PLACE CONCRETE (MEASURE TO OUTERMOST REINFORCING) -
   CONCRETE CAST AGAINST AND EXPOSED TO EARTH 3"
   CONCRETE EXPOSED TO EARTH/WEATHER 2" FOR #6 BARS AND LARGER, 1 1/2" ELSE
   CONCRETE NOT EXPOSED TO EARTH/WEATHER 3/4" FOR SLABS AND WALLS, 1 1/2" (TO TIES) FOR BEAMS AND COLUMNS
8. PROVIDE REINFORCING IN SLABS ON GRADE, 1-1/2" FROM TOP OF SLAB:
   4" SLABS 6x6-W2.1xW2.1
   5" SLABS 6x6-W2.9xW2.9
   6" SLABS #3@12"OC EACH WAY
9. WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ADJACENT COLUMN FOOTINGS.
10. BAR SUPPORTS FOR CONCRETE EXPOSED TO VIEW SHALL HAVE PLASTIC COATED LEGS OR BE HOT-DIP GALVANIZED AFTER FABRICATION.
11. MECHANICAL AND ELECTRICAL CONDUIT IN SLABS ON GRADE AND ELEVATED SLABS SHALL RUN UNDER TOP LAYER OF SLAB REINFORCING. PROVIDE A MINIMUM OF 1-1/2" CLEAR BETWEEN CONDUITS AND BETWEEN REINFORCING AND ADJACENT CONDUITS PARALLEL TO REINFORCING. IF MAXIMUM SIZE OF CONDUIT EXCEEDS ONE THIRD OF THE SLAB DEPTH, ADDITIONAL FRAMING OR REINFORCING MAY BE NECESSARY AT ENGINEER'S DISCRETION.
12. MECHANICAL AND ELECTRICAL CONDUIT IN ELEVATED SLABS ON METAL DECK IS NOT ALLOWED UNLESS SPECIFICALLY REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACEMENT.
13. HEADED CONCRETE ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A108, GRADES 1010, 1015, 1017, OR 1020. STUDS SHALL BE AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
14. EMBED PLATES MUST BE SET IN THE FORM BEFORE POURING CONCRETE, NOT PLACED INTO TOP OF WET CONCRETE. THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CORRECTIVE DETAILS FOR ANY EMBED PLATES LEFT OUT OF CONCRETE POURS.
15. FOR SLABS ON GRADE, SLAB AND FOOTING REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS WITH SAND PLATES, OR PRECAST CONCRETE BAR SUPPORTS AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED AT A MAXIMUM OF 4'-0"OC BOTH WAYS. ROCKS, CMU, OR CLAY BRICK WILL NOT BE USED AS SUPPORTS.
16. THE CONTRACTOR SHALL ASSUME CONCRETE OVERAGES IN ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS. UNLESS SHOWN ON PLANS, BEAMS ARE NOT CAMBERED. CONCRETE OVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING L/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER SDI.
17. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
18. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.
19. HEADED REBAR ACNCHORS SHALL COMPLY WITH ASTM A970 CLASS HA. HEAD DIMENSIONS SHALL COMPLY WITH THE REQUIREMENTS OF ASTM A970 ANNEX A1.

CONCRETE CONSTRUCTION JOINTS

1. CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
2. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.

STRUCTURAL MASONRY

1. ALL MASONRY DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS|SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530|530.1).
2. LOAD BEARING MASONRY WALLS, PILASTERS, PIERS, RETAINING WALLS, FOUNDATION WALLS AND ANY OTHER MASONRY SO DESIGNATED ON DRAWINGS IS CONSIDERED HERE TO BE STRUCTURAL MASONRY.
3. REQUIRED COMPRESSIVE STRENGTH OF MASONRY UNITS:
   SOLID CLAY UNITS - 6,200 PSI
   CONCRETE UNITS - 2,000 PSI ON NET AREA
4. CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHT WEIGHT (105 PCF) CONFORMING TO ASTM C90. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR UNIT SIZE, FACE, COLOR, JOINTING, ETC.
5. MORTAR SHALL BE TYPE S, ASTM C270.
6. GROUT FOR REINFORCED MASONRY SHALL BE FINE GROUT, ASTM C476. MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 2,000 PSI.
7. MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'_m) OF THE MASONRY WALLS SHALL BE 2,000 PSI. MASONRY STRENGTH SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD OR THE PRISM TEST METHOD AS DESCRIBED BY ACI 530.
8. REINFORCING:
   TYPICAL - ASTM A615, GRADE 60
   ALL REINFORCING TO BE WELDED - ASTM A706
9. REFER TO THE DRAWINGS FOR REINFORCING LAP TYPICAL DETAIL AND SCHEDULE REQUIREMENTS.
10. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE GROUTING IS 5 FEET ABOVE CONSTRUCTION SURFACE OR PREVIOUSLY GROUTED MASONRY. IF GROUT POUR HEIGHT EXCEEDS 5 FEET, THEN "HIGH LIFT" GROUTING PROCEDURE MUST BE FOLLOWED. PROVIDE CLEANOUT OPENINGS AT THE BOTTOM OF EACH GROUT POUR HEIGHT. CLEANOUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO BE FILLED WITH GROUT.
11. ALL GROUT PLACED OVER 12" IN HEIGHT SHALL BE MECHANICALLY CONSOLIDATED DURING GROUTING. GROUT SHALL BE RECONSOLIDATED BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.
12. MAXIMUM GROUT LIFT (GROUT POURED IN ONE CONTINUOUS OPERATION) IS 5 FEET. THIS LIMIT ALSO APPLIES TO "HIGH LIFT" GROUTING.
13. REINFORCE MASONRY WHERE SHOWN ON STRUCTURAL DRAWINGS. TIE REINFORCING IN POSITION AND PLACE GROUT AROUND REINFORCING. DO NOT PUSH REINFORCING DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET BOLTS SIMILARLY.
14. TIE MASONRY WYTHES WITH HORIZONTAL REINFORCING AS SPECIFIED.
15. PROVIDE VERTICAL BARS, SIZE MATCHING WALL REINFORCING, AT ALL CORNERS, ENDS OF WALLS, EACH SIDE OF CONTROL JOINTS AND EACH SIDE OF WALL OPENINGS. TIE EACH BAR TO THE FOUNDATION WITH A MATCHING DOWEL.
16. ALL CORNERS OF STRUCTURAL MASONRY WALLS SHALL BE CONSTRUCTED BY INTERLOCKING COURSES. AT INTERSECTIONS WHERE SEQUENCING OR BLOCK COURSING PROHIBITS INTERLOCKED CONSTRUCTION SEE ALTERNATE DETAILS HEREIN.
17. ALL LINTELS TO BEAR 8" MINIMUM EACH SIDE OF OPENING, UNLESS NOTED OTHERWISE.
18. GROUT ALL MASONRY WALLS AND CAVITY BELOW GRADE SOLID. GROUT ALL WALLS ABOVE GRADE AT THE REINFORCED CELLS (MINIMUM) OR AS INDICATED IN SPECIFIC SECTIONS.
19. ONE 3/4"Ø (MAXIMUM) VERTICAL CONDUIT ALLOWED IN ANY REINFORCED CELL PROVIDED 1" CLEAR IS MAINTAINED BETWEEN REINFORCING AND CONDUIT. NO OTHER VERTICAL OR HORIZONTAL CONDUITS, PIPES, OR SLEEVES SHALL BE LOCATED IN REINFORCED CELLS UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT TO AVOID REINFORCED CELLS.

STRUCTURAL STEEL

1. DESIGN, FABRICATION, AND ERECTION SHALL BE PER THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 360).
2. STRUCTURAL STEEL MATERIALS:
   WIDE FLANGE SHAPES (W SECTIONS) - ASTM A992, GRADE 50 (FY=50 KSI)
   CHANNELS AND ANGLES - ASTM A36 (FY=36 KSI)
   PLATES AND BARS - ASTM A36 (FY=36 KSI) OR ASTM A572, GRADE 50 (FY=50 KSI) AS INDICATED ON THE DRAWINGS.
   SQUARE AND RECTANGULAR TUBES - ASTM A500, GRADE B (FY=46 KSI)
   PIPES OR ROUND TUBES - ASTM A53, GRADE B (FY=35 KSI) OR ASTM A500, GRADE B (FY=42 KSI)
3. A QUALIFIED FABRICATOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE IN FABRICATING STRUCTURAL STEEL LIKE THAT INDICATED FOR THIS PROJECT AND SUFFICIENT CAPACITY TO FABRICATE THE STRUCTURAL STEEL WITHOUT DELAYING THE WORK, AND SHALL MEET ONE OF THE FOLLOWING:
   A. FABRICATOR PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED PLANT, CATEGORY (BU) OR IS ACCREDITED BY THE IAS FABRICATOR INSPECTION PROGRAM FOR STRUCTURAL STEEL (ACCREDITATION CRITERIA 172).
   B. FABRICATOR HAS AN ESTABLISHED AND MAINTAINED QUALITY CONTROL PROGRAM TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS IN ANSI/AISC 303, ANSI/AISC 360, AND THE CONTRACT DOCUMENTS. PROGRAM SHALL AT A MINIMUM ADDRESS INSPECTION OF THE ITEMS NOTED IN ANSI/AISC 360 N2.
4. A QUALIFIED ERECTOR SHALL HAVE A MINIMUM OF 5 YEARS OF EXPERIENCE IN ERECTING STRUCTURAL STEEL LIKE THAT INDICATED FOR THIS PROJECT AND SUFFICIENT CAPACITY TO ERECT THE STRUCTURAL STEEL WITHOUT DELAYING THE WORK, AND SHALL MEET ONE OF THE FOLLOWING:
   A. ERECTOR PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC-CERTIFIED ERECTOR, CATEGORY (CSE).
   B. ERECTOR HAS AN ESTABLISHED AND MAINTAINED QUALITY CONTROL PROGRAM TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS IN ANSI/AISC 303, ANSI/AISC 360, AND THE CONTRACT DOCUMENTS. PROGRAM SHALL AT A MINIMUM ADDRESS INSPECTION OF THE ITEMS NOTED IN ANSI/AISC 360 N2.
5. SIMPLE SHEAR CONNECTIONS SHALL BE MADE WITH ASTM A325 3/4"Ø BOLTS (MINIMUM), TIGHTENED TO A SNUG-TIGHT CONDITION PER AISC REQUIREMENTS.
6. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE. USE E70 SERIES ELECTRODES FOR ALL STRUCTURAL STEEL WELDS. WHERE STEEL MEMBERS ARE WELDED AND NO SIZE IS SPECIFIED, PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF MEMBER. SIZE OF FILLETS SHALL BE 3/16" FOR MEMBER THICKNESS UP TO 5/16", AND THE MEMBER THICKNESS MINUS 3/16" FOR ALL THICKER MATERIALS.
7. ANCHOR AND THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36, 55, OR 105 AS INDICATED ON THE DRAWINGS. CONTRACTOR TO COORDINATE INSTALLATION OF ITEMS TO BE EMBEDDED IN OR ATTACHED TO OTHER CONSTRUCTION WITHOUT DELAYING THE WORK.
8. STEEL SHALL BE PRIMED WITH FABRICATOR'S STANDARD LEAD- AND CHROMATE-FREE, NON-ASPHALTIC, RUST-INHIBITING PRIMER COMPLYING WITH MPI#79 (MINIMUM COAT OF 3 MILS, MAXIMUM OF 5 MILS). CONTRACTOR TO COORDINATE SELECTION OF PRIMER WITH TOPCOATS TO BE APPLIED TO ENSURE THE TWO ARE COMPATIBLE. MEMBERS TO RECEIVE FIREPROOFING OR TO BE ENCASED IN CONCRETE SHALL NOT BE PRIMED.
9. SEE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL ITEMS REQUIRED TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
10. STRUCTURAL STEEL SHALL BE PUNCHED FOR WOOD BLOCKING, NAILERS, CLIPS AND TIES IN ACCORDANCE WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
11. CAP ALL OPEN HSS OR PIPE MEMBERS OUTSIDE THE BUILDING ENVELOPE WITH A 1/4" (MINIMUM) FITTED PLATE, UNO.
12. ERECTOR SHALL SET STRUCTURAL STEEL IN LOCATIONS AND TO ELEVATIONS IN ACCORDANCE WITH ANSI/AISC 303 AND 360. MAINTAIN THE FRAME WITHIN ERECTION TOLERANCES PER ANSI/AISC 303.
13. PROMPTLY PACK SHRINKAGE-RESISTANT GROUT SOLIDLY BETWEEN BEARING SURFACES AND PLATES SO NO VOIDS REMAIN.
14. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ENGINEER AS TO LOCATION AND TYPE OF SPLICE TO BE MADE. ANY MEMBER HAVING A SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED. THERMAL CUTTING MAY NOT BE USED IN THE FIELD DURING ERECTION.
15. QUALITY CONTROL INSPECTION TASKS SHALL BE PERFORMED BY BOTH THE FABRICATOR AND ERECTOR IN ACCORDANCE WITH ANSI/AISC 360 N5. NON-DESTRUCTIVE TESTING (NDT) OF WELDED JOINTS PROVIDED DURING FABRICATION SHALL BE IN ACCORDANCE WITH N5.5 AND PERFORMED BY AN INDEPENDENT AND QUALIFIED TESTING AGENCY OR THE FABRICATOR'S QCI. ALL TESTING REPORTS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.
16. AT THE COMPLETION OF FABRICATION AND ERECTION, THE FABRICATOR AND ERECTOR SHALL EACH SUBMIT A CERTIFICATE OF COMPLIANCE TO THE OWNER STATING THE MATERIALS SUPPLIED AND WORK PERFORMED ARE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
17. NON-DESTRUCTIVE TESTING (NDT) OF WELDED JOINTS PROVIDED DURING ERECTION SHALL BE IN ACCORDANCE WITH N5.5 AND PERFORMED BY AN INDEPENDENT AND QUALIFIED TESTING AGENCY. ALL TESTING REPORTS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.
18. ALL STEEL EXPOSED TO VIEW SHALL BE CLASSIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) AS DEFINED BY ANSI/AISC 303 AND SHALL BE TREATED AS SUCH.
19. PERIMETER BENT PLATES AND EDGE ANGLES AT ROOF MUST BE CONTINUOUS AND MUST HAVE FULL PENETRATION WELDS OVER THEIR FULL CROSS SECTIONAL AREAS AT ALL SPLICES.

STEEL STAIRS AND RAILINGS

1. STEEL STAIRS AND LANDINGS AND ALL CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER FOR A LIVE LOAD OF 100 PSF. TREADS SHALL BE DESIGNED FOR A 300 POUND POINT LOAD DISTRIBUTED OVER 4 SQUARE INCHES. ALL STAIR SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CALCULATIONS SHALL BE SUBMITTED FOR REVIEW WITH THE STAIR SHOP DRAWINGS.
2. ALL RAILINGS (STEEL OR OTHERWISE) AND THEIR CONNECTIONS SHALL BE DESIGNED FOR A LATERAL LOAD OF 50 PLF APPLIED TO THE TOP OF THE RAIL OR A 200 POUND LOAD AT ANY POINT IN ANY DIRECTION, WHICHEVER GOVERNS THE DESIGN. ALL RAILING SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CALCULATIONS SHALL BE SUBMITTED FOR REVIEW WITH THE RAILING SHOP DRAWINGS.
3. INTERIOR STAIRS THAT USE CONCRETE FILL FOR THE LANDINGS AND/OR TREADS SHALL BE REINFORCED WITH EITHER MICROSYNTHETIC MONOFILAMENT FIBERS (AT A MINIMUM DOSAGE RATE OF 1.0 LBS/CY) OR 4x4-W1.4xW1.4 WELDED WIRE FABRIC. THE CONTRACTOR SHALL COORDINATE THIS SCOPE BETWEEN THE CONCRETE AND STEEL STAIR SUPPLIERS.

ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS

1. ANCHOR BOLTS, REINFORCING STEEL, THREADED RODS, STAIR HANDRAILS, AND OTHER EMBEDDED STEEL ITEMS SHALL BE SET INTO HARDENED CONCRETE WITH ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS ONLY WHERE DETAILED ON THE DRAWINGS OR WHERE APPROVED BY THE ENGINEER OF RECORD.
2. PRE-APPROVED MANUFACTURERS ARE HILTI, SIMPSON STRONG-TIE, AND DEWALT. WHERE DETAILS INDICATE SPECIFIC ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS, IT IS ACCEPTABLE AT THE CONTRACTOR'S OPTION TO SUBMIT AN ALTERNATE SIMILAR PRODUCT PROVIDED BY A DIFFERENT MANUFACTURER AS LONG AS THE MANUFACTURER'S DATA PROVIDES EQUIVALENT LOAD CAPACITY TO THE ANCHOR SPECIFIED. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED CALCULATIONS THAT DEMONSTRATE THE ALTERNATE PRODUCT IS CAPABLE OF MEETING THE PERFORMANCE OF THE SPECIFIED ANCHOR. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ESR SHOWING COMPLIANCE WITH THE GOVERNING BUILDING CODE FOR SEISMIC USE, LOAD RESISTANCE, INSTALLATION CATEGORY, AND THE AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, INSTALLATION TEMPERATURE, MOISTURE CONDITION OF CONCRETE, AND DRILLING METHODS.
3. BASIS OF DESIGN FOR ADHESIVE ANCHORS DETAILED ON THE DRAWINGS INCLUDES THE FOLLOWING PARAMETERS: CRACKED CONCRETE; WATER-SATURATED CONCRETE; BASE MATERIAL BETWEEN 25 AND 100 DEGREES FAHRENHEIT; AND HOLES MADE BY HAMMER DRILL, HOLLOW DRILL BIT SYSTEM, OR CORE-DRILLING.
4. INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING. HEED ALL LABEL WARNINGS. INSTALL IN ACCORDANCE WITH APPLICABLE SAFETY LAWS. ALL HOLES SHALL BE DRILLED WITH A DIAMETER NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE ANCHOR BEING INSTALLED. ALL HOLES SHALL BE CLEANED WITH COMPRESSED AIR AND SHALL BE DRY PRIOR TO INSTALLATION OF ADHESIVE. HOLES SHALL BE FREE OF ALL DELETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL.
5. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
6. WHERE ADHESIVE ANCHORS ARE TO BE INSTALLED IN HOLLOW MATERIAL WITH UNKNOWN CAPACITY, THE CONTRACTOR SHALL INSTALL THE ANCHOR IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THE ADHESIVE SHALL BE INSTALLED IN THE HOLLOW BASE MATERIAL USING SCREEN TUBES SUPPLIED BY THE MANUFACTURER. THE ADHESIVE SHALL BE CAPABLE OF SUSTAINING MINIMUM TENSION AND SHEAR LOAD CAPACITIES NOTED ON THE DRAWINGS MULTIPLIED BY A FACTOR OF SAFETY OF 4. ALL HARDWARE AND MATERIAL SHALL BE SUPPLIED BY THE ANCHOR MANUFACTURER.
7. CONTRACTOR PERFORMING ADHESIVE WORK SHALL BE AN APPROVED CONTRACTOR BY THE MANUFACTURER FURNISHING THE ADHESIVE MATERIALS, AND SHALL HAVE NO LESS THAN FIVE YEARS EXPERIENCE IN THE VARIOUS TYPES OF ADHESIVE RELATED WORK REQUIRED IN THIS PROJECT. ALTERNATIVELY, THE CONTRACTOR SHALL ARRANGE FOR A REPRESENTATIVE OF THE ANCHOR MANUFACTURER TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. DOCUMENTATION THAT ALL PERSONNEL INSTALLING ANCHORS ARE TRAINED SHALL BE SUBMITTED TO THE ENGINEER OR RECORD PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

REPRODUCTION

1. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HERE ON.

ABBREVIATIONS

@	AT	HD	HEADED
&	AND	HI	HIGH
Ø	DIAMETER	HORIZ	HORIZONTAL
AB	ANCHOR BOLTS	HSS	HOLLOW STRUCTURAL SECTION
ACI	AMERICAN CONCRETE INSTITUTE	INT	INTERIOR
ADDL	ADDITIONAL	JT	JOINT
ADH	ADHESIVE	K	KIP(S)
AFF	ABOVE FINISHED FLOOR	KB	KNEE BRACE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	KSI	KIPS PER SQUARE INCH
AISI	AMERICAN IRON AND STEEL INSTITUTE	LB	LONG BAR
ALT	ALTERNATE	LBS	POUNDS
ARCH	ARCHITECT'S / ARCHITECTURAL	LLH	LONG LEG HORIZONTAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LLV	LONG LEG VERTICAL
AWS	AMERICAN WELDING SOCIETY	LO	LOW
B/ or BOT	BOTTOM	LOC	LOCATION
BCX	BOTTOM CHORD EXTENSION	LSH	LONG SIDE HORIZONTAL
BFB	BOTTOM FLANGE BRACE	LSV	LONG SIDE VERTICAL
BFF	BELOW FINISHED FLOOR	LWC	LIGHT WEIGHT CONCRETE
BLDG	BUILDING	MAX	MAXIMUM
BM	BEAM	MC	MOMENT CONNECTION
BOS	BOTTOM OF STEEL	MCJ	MASONRY CONTROL JOINT
BRG	BEARING	MECH	MECHANICAL
BTWN	BETWEEN	MFR	MANUFACTURER
CANT	CANTILEVER	MID	MIDDLE
CJ	CONTROL JOINT	MIN	MINIMUM
CL	CENTERLINE	MISC	MISCELLANEOUS
CLR	CLEAR	MOW	MIDDLE OF WALL
CMU	CONCRETE MASONRY UNIT	MP	MASONRY PILASTER
COL	COLUMN	No or #	NUMBER
CONC	CONCRETE	NS	NEAR SIDE
CONN	CONNECTION	NTS	NOT TO SCALE
CONST JT	CONSTRUCTION JOINT	NWC	NORMAL WEIGHT CONCRETE
CONT	CONTINUOUS	OC	ON CENTER
CONTR	CONTRACTOR	OPNG	OPENING
COORD	COORDINATE	OPP	OPPOSITE HAND
CTRD	CENTERED	PAF	POWDER ACTUATED FASTENER
d	NAILS (PENNY)	PED	PEDESTAL
DBA	DEFORMED BAR ANCHOR	PL	PLATE
DEFL	DEFLECTION	PSF	POUNDS PER SQUARE FOOT
DEPR	DEPRESSION / DEPRESSED	PSI	POUNDS PER SQUARE INCH
DET	DETAIL	PT	PRESSURE TREATED
DIAG	DIAGONAL	P-T	POST-TENSIONED
DIM	DIMENSION	REF	REFERENCE
DIST	DISTANCE	REINF	REINFORCING
DWG(S)	DRAWING(S)	REQD	REQUIRED
DWL(S)	DOWEL(S)	SB	SHORT BAR
EA	EACH	SCHD	SCHEDULE
EE	EACH END	SIM	SIMILAR
EF	EACH FACE	SOG	SLAB ON GRADE
EJ	EXPANSION JOINT	SPEC(S)	SPECIFICATION(S)
ELEV	ELEVATION	SQ	SQUARE
EMBED	EMBEDDED / EMBEDMENT	STD	STANDARD
ENGR	ENGINEER	STIFF	STIFFENER
EOD	EDGE OF DECK	STIRR	STIRRUP(S)
EOS	EDGE OF SLAB	STL	STEEL
EQ	EQUAL	STR	STRUCTURAL
EQUIP	EQUIPMENT	T/	TOP
EW	EACH WAY	TCX	TOP CHORD EXTENSION
EX	EXISTING	TOC	TOP CHORD CONCRETE
EXP	EXPANSION	TOF	TOP OF FOOTING
EXT	EXTERIOR	TOS	TOP OF STEEL
FDN	FOUNDATION	TOW	TOP OF WALL
FFE	FINISHED FLOOR ELEVATION	TYP	TYPICAL
FOM	FACE OF MASONRY	UNO	UNLESS NOTED OTHERWISE
FOW	FACE OF WALL	VERT	VERTICAL
FS	FAR SIDE	VIF	VERIFY IN FIELD
FTG	FOOTING	W/	WITH
GA	GAUGE	WWF	WELDED WIRE FABRIC
GALV	GALVANIZED	WP	WORK POINT
GT	GIRDER TRUSS		

SYMBOL LEGEND

SYMBOL	MEANING
<No>	TOP OF FOOTING, GRADE BEAM, PILE CAP, OR DRILLED PIER. ELEVATION RELATIVE TO REFERENCE ELEVATION.
[No]	TOP OF WALL OR PEDESTAL. ELEVATION RELATIVE TO REFERENCE ELEVATION.
F#	SPREAD FOOTING TYPE.
	SPOT ELEVATION. ELEVATION RELATIVE TO REFERENCE ELEVATION.
B#	SPAN DIRECTION OF METAL ROOF DECK. CONSTRUCTION SHALL BE 1 1/2" METAL ROOF DECK. REF PLANS & DETAILS FOR GA.
S1	SPAN DIRECTION OF COMPOSITE SLAB. CONSTRUCTION SHALL BE 3 1/4" LIGHT WEIGHT CONCRETE ON 2"-20GA COMPOSITE METAL DECK (5 1/4" TOTAL THICKNESS). TOP OF STEEL ELEVATION 5 1/4" BELOW FINISHED FLOOR ELEVATION, UNO.
V# M# H# A# T#	STEEL BEAM DESIGN END REACTIONS (WHERE APPLICABLE). "V" INDICATES VERTICAL SHEAR, "M" INDICATES BENDING MOMENT, "H" INDICATES HORIZONTAL SHEAR, "A" INDICATES AXIAL TENSION/COMPRESSION, AND "T" INDICATES TORSION. ALL LOADS PROVIDED ARE FACTORED FOR STRENGTH DESIGN IN UNITS OF KIP AND KIP-FEET, AND ALL LOADS SHALL BE CONSIDERED REVERSIBLE, UNO.
ML#	MASONRY LINTEL TYPE.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for uses under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603
T 919.380.8750 FIRM LICENSE #C-3251 PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 043141 BRIAN COVINGTON

07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S0.2
Checked By: MBC	

Sheet Title:
GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS LEGEND

STATEMENT OF SPECIAL INSPECTIONS

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT, THE NAME OF THE SPECIAL INSPECTOR, THE IDENTITY OF OTHER APPROVED AGENCIES RETAINED FOR CONDUCTING SPECIAL INSPECTIONS, AND THE REQUIRED INSPECTOR QUALIFICATIONS. THIS STATEMENT OF SPECIAL INSPECTIONS WAS PREPARED BY THE DESIGNERS OF RECORD.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SHALL FURNISH REPORTS TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. REPORTS SHALL INDICATE IF THE WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE DESIGNERS OF RECORD. THE SPECIAL INSPECTIONS PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

MONTHLY INTERIM REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS, TESTING, AND CORRECTION OF ANY DISCREPANCIES SHOULD BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

PROJECT INFORMATION

CODE ENFORCEMENT PROJECT #:	---
PERMIT #:	---
PROJECT NAME:	CRAVEN COUNTY COURTHOUSE
PROJECT ADDRESS:	411 CRAVEN STREET, NEW BERN, NC
OWNER:	CRAVEN COUNTY
OWNER ADDRESS:	406 CRAVEN STREET | NEWBERN, NC 28560
SPECIAL INSPECTOR OF RECORD:	TBD
SPECIAL INSPECTOR ADDRESS:	STREET ADDRESS | CITY, STATE ZIP

DESIGN TEAM

STRUCTURAL (RDPIRC) FIRM:	STEWART	ENGINEER OF RECORD:	M. BRYAN COVINGTON IV, PE
ARCHITECTURAL FIRM:	OAKLEY COLLIER	ARCHITECT OF RECORD:	ANN W. COLLIER, AIA
MECHANICAL FIRM:	ATLANTEC	ENGINEER OF RECORD:	BRADLEY W. FELTS, PE

SCHEDULE OF SPECIAL INSPECTIONS

THE INSPECTION AND TESTING AGENTS SHALL BE ENGAGED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE OWNER, PRIOR TO COMMENCING WORK.

PRIOR TO STARTING WORK THE OWNER SHALL BE PROVIDED WITH THE NAME AND RESUME FOR THE DESIGNATED SPECIAL INSPECTOR FOR THE PROJECT. THE DESIGNATED SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND BE APPROVED BY THE OWNER. INDIVIDUALS PROVIDING INSPECTIONS SHALL MEET THE FOLLOWING MINIMUM CRITERIA OF CERTIFICATION AND/OR DOCUMENTED EXPERIENCE. WORK EXPERIENCE MUST BE RELATED TO THE FIELD FOR WHICH THE INSPECTOR IS BEING UTILIZED. WORK EXPERIENCE MAY BE GAINED BY WORKING FOR AN INSPECTION/TESTING AGENCY, AN ENGINEERING FIRM, OR A CONTRACTOR AS A TECHNICIAN, INSPECTOR OR ENGINEER.

THE DESIGNATED SPECIAL INSPECTOR SHALL BE RESPONSIBLE FOR COLLECTING AND APPROVING DOCUMENTATION OF QUALIFICATIONS FOR ALL INSPECTORS. COPIES OF DOCUMENTATION OF QUALIFICATIONS, INCLUDING THE QUALIFICATIONS OF THE INDEPENDENT TESTING LABORATORY IF THEY ARE PROVIDING SPECIAL INSPECTION SERVICES, SHALL BE MAINTAINED BY THE SPECIAL INSPECTOR AND BE MADE AVAILABLE FOR OWNER REVIEW AS REQUESTED.

THE FOLLOWING TABLES COMPRISE THE REQUIRED SCHEDULE OF SPECIAL INSPECTIONS FOR THIS PROJECT. THE INSPECTION FREQUENCY INDICATED ON THE TABLES ARE "C" CONTINUOUS, "P" PERIODIC, AND "O" RANDOMIZED ON A DAILY BASIS. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS FOLLOWS:

REQD	ITEM	DIVISION	PRIMARY INSPECTOR/SUPERVISOR
☒	IT-1	SPECIAL CASES AND SPECIFIC ELEMENTS ALWAYS REQUIRED	AS IDENTIFIED BY THE RDPIRC
☒	IT-2A	STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-2B	WELDING OF STRUCTURAL STEEL	ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR AWS D1.1 CERTIFIED WELDING INSPECTOR, OR NDT LEVEL III CERTIFICATE
☒	IT-2C	COLD-FORMED STEEL DECKING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-2D	OPEN-WEB STEEL JOISTS AND JOIST GIRDERS	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-2E	COLD-FORMED STEEL FRAMING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-3	CONCRETE CONSTRUCTION	ICC REINFORCED CONCRETE SPECIAL INSPECTOR CERTIFICATE AND ACI CONCRETE FIELD TESTING TECHNICIAN CERTIFICATE, GRADE 1, OR ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR CERTIFICATE, OR NICET CONCRETE TECHNICIAN LEVEL III CERTIFICATE IN CONSTRUCTION MATERIALS TESTING
☒	IT-4	MASONRY CONSTRUCTION	ICC STRUCTURAL MASONRY SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-5	WOOD CONSTRUCTION	ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-6	SOILS	NICET SOILS TECHNICIAN LEVEL II CERTIFICATE IN CONSTRUCTION MATERIALS TESTING, OR NICET GEOTECHNICAL ENGINEERING TECHNICIAN LEVEL II CONSTRUCTION OR GENERALIST CERTIFICATE, OR ICC SOILS SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR OF RELATED EXPERIENCE, OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR OF RELATED EXPERIENCE
☐	IT-7	DRIVEN DEEP FOUNDATIONS	NICET SOILS TECHNICIAN LEVEL II CERTIFICATE IN CONSTRUCTION MATERIALS TESTING, OR NICET GEOTECHNICAL ENGINEERING TECHNICIAN LEVEL II CONSTRUCTION OR GENERALIST CERTIFICATE, OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR OF RELATED EXPERIENCE, OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR OF RELATED EXPERIENCE
☐	IT-8	CAST-IN-PLACE DEEP FOUNDATIONS	SEE IT-7
☒	IT-9A	HELICAL PILE FOUNDATIONS	SEE IT-7
☐	IT-9B	RAMMED AGGREGATE PIERS AND STONE COLUMNS	SEE IT-7
☐	IT-10	FABRICATED ITEMS	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☒	IT-11	WIND RESISTANCE	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☒	IT-12	SEISMIC RESISTANCE	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13A	SEISMIC RESISTANCE, STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13B	SEISMIC RESISTANCE, WELDING OF STRUCTURAL STEEL	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13C	SEISMIC RESISTANCE, NON-DESTRUCTIVE TESTING OF WELDED JOINTS	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☐	IT-13D	SEISMIC RESISTANCE, STEEL DRIVEN DEEP FOUNDATIONS (H-PILES)	AS NOTED HEREIN FOR EACH COMPONENT TYPE
☒	IT-14	SPRAYED FIRE-RESISTANT MATERIALS	ICC SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR CERTIFICATE, OR ICC FIRE INSPECTOR I CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☒	IT-15	MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	SEE IT-14
☐	IT-16	EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)	AWCI EIFS INSPECTOR CERTIFICATE
☒	IT-17	FIRE-RESISTANT PENETRATIONS AND JOINTS	ICC FIRE INSPECTOR I CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
☐	IT-18	SMOKE CONTROL	REGISTERED PROFESSIONAL ENGINEER (MECHANICAL OR FIRE PROTECTION) AND CERTIFICATION AS AIR BALANCER, OR AABC TECHNICIAN CERTIFICATION (PLUS ONE YEAR OF RELATED EXPERIENCE)

IT-1: SPECIAL CASES AND SPECIFIC ELEMENTS ALWAYS REQUIRED

	INSPECTION TASK	FREQ	REFERENCE
☐	1. CONSTRUCTION MATERIALS AND SYSTEMS THAT ARE ALTERNATIVES TO MATERIALS AND SYSTEMS PRESCRIBED BY THE IBC.	P	IBC 1705.1.1.1
☐	2. UNUSUAL DESIGN APPLICATIONS OF MATERIALS DESCRIBED IN THE IBC.	P	IBC 1705.1.1.2
☐	3. MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE IBC OR IN STANDARDS REFERENCED BY THE IBC.	P	IBC 1705.1.1.3
☒	4. PILES, PIERS, AND SPECIAL FOUNDATIONS	P	IBC 1705.1.2.1
☒	5. SPRAYED FIRE-RESISTANT MATERIALS	P	IBC 1705.1.2.2
☒	6. MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	P	IBC 1705.1.2.3
☒	7. SMOKE CONTROL AND SMOKE EXHAUST SYSTEMS	P	IBC 1705.1.2.4
☒	8. RETAINING WALLS (>5' IN HEIGHT OF UNBALANCED BACKFILL)		IBC 1705.1.2.5
	A. VERIFY FOUNDATION SUPPORT SYSTEM IS ADEQUATE FOR THE INTENDED SITE CONDITIONS.	P	IBC 1807.2.5.1
	B. VERIFY THAT RETAINING WALL MATERIALS AND INSTALLATIONS ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.	P	IBC 1807.2.5.2
	C. VERIFY THAT ACTUAL SOIL CONDITIONS ARE SIMILAR TO THOSE ANTICIPATED BY THE APPROVED ENGINEERED DESIGN.	P	IBC 1807.2.5.3
	D. EXAMINE BACKFILL MATERIALS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.	P	IBC 1807.2.5.4
	E. CONFIRM THAT ALL SUBSOIL DRAINAGE PIPING IS UNDAMAGED, DRAINS FREELY TO THE DESIGNATED OUTLET OR STRUCTURE, AND HAS BEEN INSTALLED PER THE APPROVED ENGINEERED DESIGN.	P	IBC 1807.2.5.4
	FOR SOILS PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.6 AND THE APPLICABLE SCHEDULES HEREIN. FOR CONCRETE WALLS AND FOOTINGS PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.3 AND THE APPLICABLE SCHEDULES HEREIN. FOR MASONRY WALLS PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.4 AND THE APPLICABLE SCHEDULES HEREIN.		

IT-2A: STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING

INSPECTION TASK	FREQ	REFERENCE
1. FABRICATOR CERTIFICATION/VERIFICATION OF QUALITY CONTROL PROCEDURES		
A. VERIFY FABRICATOR QUALIFICATIONS.	C	IBC 1704.2.5.1
B. REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS.	C	AISC 360 N5.2
C. COLLECT CERTIFICATES OF COMPLIANCE FROM THE STEEL FABRICATOR AT COMPLETION OF FABRICATION.	C	IBC 1704.5
2. INSPECTIONS PRIOR TO HIGH-STRENGTH BOLTING AT PRE-TENSIONED AND SLIP-CRITICAL JOINTS:		
A. COLLECT MANUFACTURER'S CERTIFICATIONS FOR FASTENER MATERIALS.	C	AISC 360 TABLE N5.6-1
B. VERIFY FASTENERS ARE MARKED PER ASTM REQUIREMENTS.	P	AISC 360 TABLE N5.6-1
C. ENSURE CORRECT FASTENERS AND BOLTING PROCEDURES ARE SELECTED FOR JOINT DETAILS. VERIFY GRADE, TYPE, AND BOLT LENGTH (IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).	P	AISC 360 TABLE N5.6-1
D. VERIFY CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION (WHEN SPECIFIED), COMPLY WITH THE CONTRACT DOCUMENTS.	P	AISC 360 TABLE N5.6-1
E. OBSERVE AND DOCUMENT PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL FOR FASTENER ASSEMBLIES AND METHODS.	P	AISC 360 TABLE N5.6-1
F. VERIFY THE PROTECTED STORAGE FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.	P	AISC 360 TABLE N5.6-1
3. INSPECTIONS DURING HIGH-STRENGTH BOLTING AT PRE-TENSIONED AND SLIP-CRITICAL JOINTS:		
A. ENSURE CORRECT FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS/NUTS (WHEN SPECIFIED) ARE POSITIONED AS REQUIRED.	P	AISC 360 TABLE N5.6-2
B. VERIFY JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO PRE-TENSIONING.	P	AISC 360 TABLE N5.6-2
C. VERIFY FASTENER COMPONENTS NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	P	AISC 360 TABLE N5.6-2
D. ENSURE FASTENERS ARE PRE-TENSIONED IN ACCORDANCE WITH RCSC, PROGRESSING FROM THE MOST RIGID POINT TOWARDS FREE EDGES.	P	AISC 360 TABLE N5.6-2
4. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS AFTER HIGH-STRENGTH BOLTING IS COMPLETE.	C	AISC 360 TABLE N5.6-3
5. STRUCTURAL DETAILS		
A. VERIFY DIAMETER, GRADE, TYPE, AND LENGTH OF ANCHOR RODS AND OTHER EMBEDDED ITEMS. THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRETE SHALL BE VERIFIED AND DOCUMENTED PRIOR TO PLACEMENT OF CONCRETE.	P	AISC 360 N5.7
B. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONTRACT DOCUMENTS.	P	AISC 360 N5.7

IT-2B: WELDING OF STRUCTURAL STEEL

INSPECTION TASK	FREQ	REFERENCE
1. INSPECTIONS PRIOR TO WELDING:		AISC 360 N5.4
A. COLLECT AND REVIEW WELDING PROCEDURE SPECIFICATION (WPS) AND VERIFY MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES.	C	AISC 360 TABLE N5.4-1
B. CONFIRM WELD MATERIAL TYPE AND GRADE.	P	AISC 360 TABLE N5.4-1
C. CONFIRM METHOD OF WELDER IDENTIFICATION. REVIEW WELDER QUALIFICATION AND CONTINUITY RECORDS.	P	AISC 360 TABLE N5.4-1
D. INSPECT FIT-UP FOR GROOVE AND FILLET WELDS, INCLUDING JOINT GEOMETRY.	P	AISC 360 TABLE N5.4-1
E. INSPECT FIT-UP FOR CJP GROOVE WELDS OF HSS T-, Y-, AND K- JOINTS WITHOUT BACKING, INCLUDING JOINT GEOMETRY.	P	AISC 360 TABLE N5.4-1
F. INSPECT CONFIGURATION AND FINISH OF ACCESS HOLES.	P	AISC 360 TABLE N5.4-1
G. CHECK WELDING EQUIPMENT.	C	AISC 360 TABLE N5.4-1
2. INSPECTIONS DURING WELDING:		AISC 360 N5.4
A. VERIFY WELDER QUALIFICATIONS.	P	AISC 360 TABLE N5.4-2
B. VERIFY PROPER CONTROL AND HANDLING OF WELDING CONSUMABLES, INCLUDING PACKAGING AND EXPOSURE.	P	AISC 360 TABLE N5.4-2
C. MONITOR THAT ENVIRONMENTAL CONDITIONS, INCLUDING WIND SPEED, PRECIPITATION AND TEMPERATURE, ARE WITHIN DEFINED LIMITS.	P	AISC 360 TABLE N5.4-2
D. MONITOR PROPER IMPLEMENTATION OF WPS, INCLUDING SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.	P	AISC 360 TABLE N5.4-2
E. INSPECT WELDING TECHNIQUES, INCLUDING INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETING QUALITY REQUIREMENTS, AND NO WELDING OVER CRACKED TACK WELDS.	P	AISC 360 TABLE N5.4-2
F. INSPECT PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS.	C	AISC 360 TABLE N5.4-2
3. INSPECTIONS AFTER WELDING:		AISC 360 N5.4, N5.5
A. VERIFY WELDS HAVE BEEN CLEANED.	P	AISC 360 TABLE N5.4-3
B. CONFIRM THE INSTALLED SIZE, LENGTH, AND LOCATION OF WELDS MATCHES THE CONTRACT DOCUMENTS.	C	AISC 360 TABLE N5.4-3
C. VERIFY WELDS MEET VISUAL ACCEPTANCE CRITERIA, INCLUDING CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY.	C	AISC 360 TABLE N5.4-3
D. CONFIRM ARC STRIKES COMPLY WITH PART 5.28 OF AWS D1.1.	C	AISC 360 TABLE N5.4-3
E. VISUALLY OBSERVE WEB-K-AREA FOR CRACKS WITHIN 3" OF WELDED DOUBLER PLATES, CONTINUITY PLATES, AND STIFFENERS.	C	AISC 360 TABLE N5.4-3
F. INSPECT WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES FOR CRACKS.	C	AISC 360 TABLE N5.4-3
G. FOR RISK CATEGORY III OR IV STRUCTURES, CONDUCT ULTRASONIC TESTING (UT) OF CJP GROOVE WELDS IN MATERIALS ≥ 5/16" AT BUTT, T-, AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING.	C	AISC 360 N5.5b, N5.5e
H. FOR RISK CATEGORY II STRUCTURES, CONDUCT ULTRASONIC TESTING (UT) OF CJP GROOVE WELDS IN MATERIALS ≥ 5/16" AT BUTT, T-, AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING.	P	AISC 360 N5.5b, N5.5f
I. CONDUCT MAGNETIC PARTICLE TESTING (MT) OR LIQUID PENETRANT TESTING (PT) AT THERMALLY CUT SURFACES OF ACCESS HOLES FOR ROLLED SECTIONS WITH tf > 2" AND BUILT-UP SHAPES WITH tw > 2".	C	AISC 360 N5.5c
J. PROVIDE RADIOGRAPHIC/ULTRASONIC INSPECTION AT JOINTS SUBJECT TO FATIGUE.	C	AISC 360 N5.5d, TABLE A-3.1
K. VERIFY BACKING AND WELD TABS ARE REMOVED (AS REQUIRED) PER CONTRACT DOCUMENTS.	C	AISC 360 TABLE N5.4-3
L. OBSERVE AND INSPECT WELD REPAIR ACTIVITIES.	C	AISC 360 TABLE N5.4-3
M. DOCUMENT ACCEPTANCE/REJECTION OF WELDED JOINTS AND MEMBERS.	C	AISC 360 TABLE N5.4-3, N5.5g

IT-2C: COLD-FORMED STEEL DECKING

INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO DECK PLACEMENT, VERIFY DECK AND ACCESSORIES (INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE MATERIAL THICKNESS) COMPLY WITH THE CONTRACT DOCUMENTS. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.1
2. INSPECTION TASKS AFTER DECK PLACEMENT:		
A. VERIFY THE INSTALLATION OF DECK AND ACCESSORIES COMPLIES WITH THE CONTRACT DOCUMENTS.	C	SDI QA/QC TABLE 1.2
B. VERIFY THAT DECK MATERIAL MILL CERTIFICATIONS COMPLY WITH THE CONTRACT DOCUMENTS.	C	SDI QA/QC TABLE 1.2
C. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.2
3. INSPECTION TASKS PRIOR TO DECK WELDING:		
A. COLLECT WELDING PROCEDURE SPECIFICATION (WPS).	P	SDI QA/QC TABLE 1.3
B. COLLECT MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES.	P	SDI QA/QC TABLE 1.3
C. VERIFY MATERIAL TYPE AND GRADE.	P	SDI QA/QC TABLE 1.3
D. CHECK WELDING EQUIPMENT.	P	SDI QA/QC TABLE 1.3
4. INSPECTION TASKS DURING DECK WELDING:		
A. VERIFY WELDER QUALIFICATIONS.	P	SDI QA/QC TABLE 1.4
B. VERIFY PROPER CONTROL AND HANDLING OF WELDING CONSUMABLES.	P	SDI QA/QC TABLE 1.4
C. MONITOR ENVIRONMENTAL CONDITIONS.	P	SDI QA/QC TABLE 1.4
D. MONITOR PROPER IMPLEMENTATION OF WPS.	P	SDI QA/QC TABLE 1.4
5. INSPECTION TASKS AFTER DECK WELDING:		
A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP AND PERIMETER WELDS.	C	SDI QA/QC TABLE 1.5
B. VERIFY WELDS MEET VISUAL ACCEPTANCE CRITERIA.	C	SDI QA/QC TABLE 1.5
C. OBSERVE WELD REPAIR ACTIVITIES.	C	SDI QA/QC TABLE 1.5
D. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.5
6. INSPECTION TASKS PRIOR TO MECHANICAL FASTENING:		
A. VERIFY MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS.	P	SDI QA/QC TABLE 1.6
B. VERIFY PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION.	P	SDI QA/QC TABLE 1.6
C. VERIFY PROPER STORAGE OF MECHANICAL FASTENERS.	P	SDI QA/QC TABLE 1.6
7. INSPECTION TASKS DURING MECHANICAL FASTENING:		
A. OBSERVE FASTENER SPACING AND POSITION.	P	SDI QA/QC TABLE 1.7
B. VERIFY FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.	P	SDI QA/QC TABLE 1.7
8. INSPECTION TASKS AFTER MECHANICAL FASTENING:		
A. VERIFY SPACING, TYPE AND INSTALLATION OF SUPPORT, SIDELAP, AND PERIMETER FASTENERS.	C	SDI QA/QC TABLE 1.8
B. VERIFY REPAIR ACTIVITIES.	C	SDI QA/QC TABLE 1.8
C. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	C	SDI QA/QC TABLE 1.8

IT-3: CONCRETE CONSTRUCTION

	INSPECTION TASK	FREQ	REFERENCE
☒	1. INSPECT REINFORCEMENT, INCLUDING POST-TENSIONING TENDONS (IF APPLICABLE), AND VERIFY PLACEMENT.	P	IBC 1908.4 | ACI 318 20, 25.2, 25.3, 26.6.1-26.6.3
☒	2. REINFORCING BAR WELDING:		
	A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 AND COLLECT REPORTS.	P	IBC 1704.5 | ACI 318 26.6.4
	B. INSPECT SINGLE-PASS FILLET WELDS ≤ 5/16".	P	ACI 318 26.6.4
	C. INSPECT ALL WELDS OTHER THAN SINGLE-PASS FILLET WELDS ≤ 5/16".	C	ACI 318 26.6.4
☒	3. CONCRETE ANCHORS:		
	A. INSPECT ANCHORS CAST IN CONCRETE.	P	ACI 318 17.8.2
	B. INSPECT ADHESIVE ANCHORS INSTALLED IN HARDENED CONCRETE WITH HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS THAT RESIST SUSTAINED TENSION LOADS. PERIODIC INSPECTION REQUIRED FOR ALL OTHER CONDITIONS.	C	ACI 318 17.8.2, 17.8.2.4
	C. INSPECT MECHANICAL ANCHORS INSTALLED IN HARDENED CONCRETE.	P	ACI 318 17.8.2
☒	4. COLLECT MIX DESIGNS AND VERIFY THE CORRECT MIX USED DURING INSTALLATION.	P	IBC 1904.1, 1904.2, 1908.2, 1908.3 | ACI 318 19, 26.4.3, 26.4.4
☒	5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	C	IBC 1908.10 | ACI 318 26.4, 26.12 | ASTM C31, C172
☒	6. INSPECT CONCRETE AND SHOTCRETE (IF APPLICABLE) PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	C	IBC 1908.6-1908.8 | ACI 318 26.5
☐	7. COLLECT REPORTS OF PRECONSTRUCTION TESTS FOR SHOTCRETE WHEN PRECONSTRUCTION TESTS ARE REQUIRED BY IBC 1908.4.	C	IBC 1704.5, 1908.5
☒	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	P	IBC 1908.9 | ACI 318 26.5.3-26.5.5
☐	9. INSPECTIONS FOR POST-TENSIONED CONCRETE:		
	A. OBSERVE APPLICATION OF POST-TENSIONING FORCE.	C	ACI 318 26.10
	B. INSPECT GROUTING OF BONDED POST-TENSIONING TENDONS.	C	ACI 318 26.10
☐	10. VERIFY CONCRETE STRENGTH PRIOR TO STRESSING OF POST-TENSIONING TENDONS AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM POST-TENSIONED/MILD BEAMS AND STRUCTURAL SLABS.	P	ACI 318 26.11.2
☐	11. INSPECT ERECTION OF PRECAST MEMBERS.	P	ACI 318 26.9
☒	12. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	P	ACI 318 26.11.1.2(b)
☐	13. COLLECT MILL TEST REPORTS FOR ASTM A615 REBAR USED IN SPECIAL REINFORCED CONCRETE MOMENT FRAMES AND SPECIAL REINFORCED CONCRETE SHEAR WALLS.	C	IBC 1704.5 | ACI 318 20.2.2.5

IT-4: MASONRY CONSTRUCTION (LEVEL C)

INSPECTION TASK	FREQ	REFERENCE
1. TEST AND VERIFY f'_m AND f'_{AAC} PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SF DURING CONSTRUCTION.	C	ACI 530 TABLE 3.1.3 | ACI 530.1 1.5
2. TEST AND VERIFY PROPORTIONS OF MATERIALS IN PREMIXED/PREBLENDED MORTAR AND GROUT OTHER THAN SELF-CONSOLIDATING, AS DELIVERED TO SITE.	C	ACI 530 TABLE 3.1.3
3. TEST AND VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX AS DELIVERED TO SITE FOR SELF-CONSOLIDATING GROUT.	C	ACI 530 TABLE 3.1.3 | ACI 530.1 1.5B.1.b.3
4. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	P	ACI 530 TABLE 3.1.3 | ACI 530.1 1.5
5. VERIFY COMPLIANCE FOR THE FOLLOWING:		
A. PROPORTIONS OF SITE-PREPARED MORTAR AND GROUT.	P	ACI 530.1 2.1, 2.4G.1b, 2.6A, 2.6B, 2.6C
B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS.	P	ACI 530 6.1 | ACI 530.1 2.4, 3.4
C. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS.	P	ACI 530.1 3.3B
D. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	C	ACI 530 6.1, 6.2.1, 6.2.6, 6.2.7 | ACI 530.1 3.2E, 3.4, 3.6A
E. GROUT SPACE IS CLEAN, AND CLEANOUTS ARE PROVIDED WHEN REQUIRED.	C	ACI 530.1 3.2D, 3.2F
F. PLACEMENT OF GROUT.	C	ACI 530.1 3.5, 3.6C
G. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	P	ACI 530.1 3.3F
H. TYPE, SIZE, AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	C	ACI 530 1.2.1(e), 6.1.4.3, 6.2.1

IT-6: SOILS

INSPECTION TASK	FREQ	REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	P	IBC 1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	P	IBC 1705.6
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	P	IBC 1705.6
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT HEIGHTS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	C	IBC 1705.6
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.	P	IBC 1705.6

IT-9A: HELICAL PILE FOUNDATIONS

INSPECTION TASK	FREQ	REFERENCE
1. OBSERVE INSTALLATION AND RECORD EQUIPMENT USED, PILE DIMENSIONS, LOCATION, AND FINAL DPETH, TIP ELEVATIONS, FINAL INSTALLATION TORQUE, AND DOCUMENT ANY DAMAGE OR ANOMALIES.	C	IBC 1705.9

IT-11: WIND RESISTANCE

	INSPECTION TASK	FREQ	REFERENCE
☒	1. PRIOR TO ANY WORK TAKING PLACE, EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND FORCE-RESISTING SYSTEM (WFRS) OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF CONTRACTOR RESPONSIBILITY.	C	IBC 1704.4
☐	2. STRUCTURAL WOOD		
	A. VERIFY FIELD GLUING OPERATIONS OF ELEMENTS OF THE WFRS.	C	IBC 1705.11.1
	B. INSPECT NAILING, ANCHORING, AND FASTENING OF COMPONENTS WITHIN THE WFRS INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS.	P	IBC 1705.11.1
☐	3. COLD-FORMED STEEL FRAMING CONSTRUCTION		
	A. INSPECT WELDING OPERATIONS AT ELEMENTS OF THE WFRS.	P	IBC 1705.11.2
	B. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND FASTENING OF ELEMENTS WITHIN THE WFRS INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS, DRAG STRUTS, AND HOLD-DOWNS.	P	IBC 1705.11.2
☒	4. WIND-RESISTING COMPONENTS		
	A. INSPECT THE FASTENING OF ROOF COVERING, ROOF DECK, AND SUPPORTING ROOF FRAMING CONNECTIONS.	P	IBC 1705.11.3.1
	B. INSPECT THE FASTENING OF EXTERIOR WALL COVERINGS AND THE WALL CONNECTIONS TO THE ROOF/FLOOR DIAPHRAGMS AND FRAMING MEMBERS.	P	IBC 1705.11.3.2

INSPECTION IS REQUIRED IN EXPOSURE CATEGORY B WHERE $V_{asd} \geq 120$ MPH, OR IN EXPOSURE CATEGORIES C AND D WHERE $V_{asd} \geq 110$ MPH. INSPECTION IS NOT REQUIRED FOR SHEAR WALLS, SHEAR WALL PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING > 4"OC.

WIND FORCE-RESISTING SYSTEMS AND COMPONENTS/CONNECTIONS SUBJECT TO INSPECTION INCLUDE:
CONCRETE BUILDING WALLS, MASONRY BUILDING WALLS.

IT-12: SEISMIC RESISTANCE

	INSPECTION TASK	FREQ	REFERENCE
☒	1. PRIOR TO ANY WORK TAKING PLACE, EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC FORCE-RESISTING SYSTEM (SFRS) OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF CONTRACTOR RESPONSIBILITY.	C	IBC 1704.4
☐	2. STRUCTURAL STEEL (SEE IT-13 TABLES). [SDC ≥ D OR SDC ≥ B WHERE R > 3]		IBC 1705.12.1
☐	3. STRUCTURAL WOOD [SDC ≥ C]		
	A. VERIFY FIELD GLUING OPERATIONS OF ELEMENTS OF THE SFRS.	C	IBC 1705.12.2.1
	B. INSPECT NAILING, ANCHORING, AND FASTENING OF COMPONENTS WITHIN THE SFRS INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS.	P	IBC 1705.12.2.2
☐	4. COLD-FORMED STEEL FRAMING CONSTRUCTION [SDC ≥ C]		
	A. INSPECT WELDING OPERATIONS AT ELEMENTS OF THE SFRS.	P	IBC 1705.12.3.1
	B. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND FASTENING OF ELEMENTS WITHIN THE SFRS.	P	IBC 1705.12.3.2
	C. INSPECT SPECIAL BOLTED MOMENT FRAMES. [SDC ≥ D]	P	IBC 1705.12.9
☒	5. VERIFY ERECTION AND FASTENING OF EXTERIOR CLADDING, NON-BEARING WALLS, AND VENEER TALLER THAN 30' ABOVE FINISHED GRADE. [SDC ≥ D]	P	IBC 1705.12.5
☒	6. CONFIRM ANCHORAGE OF ACCESS FLOORS. [SDC ≥ D]	P	IBC 1705.12.5.1
☒	7. CONFIRM ANCHORAGE OF STORAGE RACKS AT LEAST 8'-TALL. [SDC ≥ D]	P	IBC 1705.12.7
☒	8. COLLECT CERTIFICATES OF COMPLIANCE FOR QUALIFYING EQUIPMENT, SUPPORTS, ATTACHMENTS, AND COMPONENTS; VERIFY CORRECTNESS OF LABELS AND INSTALLATION. [SDC ≥ C]	C	IBC 1705.12.4, 1705.13.2 | ASCE 7 13.2.1, 13.2.2
	9. PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS		
☒	A. VERIFY ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS. [SDC ≥ C]	P	IBC 1705.12.6
☒	B. VERIFY INSTALLATION AND ANCHORAGE OF PIPE AND DUCT SYSTEMS CARRYING HAZARDOUS MATERIALS AND ASSOCIATED MECHANICAL UNITS. [SDC ≥ C]	P	IBC 1705.12.6
☒	C. CONFIRM THE INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS WITH NOMINAL CLEARANCES ≤ 1/4". [SDC ≥ C]	P	IBC 1705.12.6
☒	D. INSPECT AND TEST SEISMIC ISOLATION SYSTEMS AT SEISMICALLY ISOLATED STRUCTURES. [SDC ≥ B]	P	IBC 1705.12.8, 1705.13.4 | ASCE 7 17.8

INSPECTION IS NOT REQUIRED FOR STRUCTURES OF LIGHT-FRAME CONSTRUCTION WHERE $S_{DS} \leq 0.5$ AND THE BUILDING HEIGHT ≤ 35', NOR FOR SFRS OF REINFORCED MASONRY/CONCRETE WHERE $S_{DS} \leq 0.5$ AND THE BUILDING HEIGHT ≤ 25'. INSPECTION IS NOT REQUIRED FOR SHEAR WALLS, SHEAR WALL PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING > 4"OC.

SEISMIC FORCE-RESISTING SYSTEMS AND COMPONENTS/CONNECTIONS SUBJECT TO INSPECTION INCLUDE:
CONCRETE BUILDING WALLS, MASONRY BUILDING WALLS.

IT-14: SPRAYED FIRE-RESISTANT MATERIALS

INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO THE APPLICATION OF SPRAYED ON FIRE-RESISTANT MATERIALS, VERIFY STRUCTURAL MEMBER SURFACES ARE PREPARED IN ACCORDANCE WITH THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER.	P	IBC 1705.14.2
2. DURING THE APPLICATION OF SPRAYED ON FIRE-RESISTANT MATERIALS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
A. SUBSTRATE HAS MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AS SPECIFIED BY THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER.	P	IBC 1705.14.3
B. WORK AREA PROPERLY VENTILATED DURING AND AFTER APPLICATION.	P	IBC 1705.14.3
C. THICKNESS OF SPRAYED ON MATERIAL CONFORMS WITH THE APPROVED FIRE-RESISTANCE DESIGN AND IBC MINIMUMS.	P	IBC 1705.14.4 | ASTM E605
D. DENSITY OF SPRAYED ON MATERIAL IS NOT LESS THAN THE REQUIREMENTS OF THE APPROVED FIRE-RESISTANCE DESIGN.	P	IBC 1705.14.5
E. COHESIVE/ADHESIVE BOND STRENGTH IS NOT LESS THAN 150 PSF.	P	IBC 1705.14.6 | ASTM E736

INSPECTIONS SHALL BE PERFORMED AFTER THE ROUGH INSTALLATION OF ELECTRICAL, SPRINKLER, MECHANICAL, AND PLUMBING SYSTEMS, AS WELL AS THE SUSPENSION SYSTEMS FOR CEILINGS.

IT-15: MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS

INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO APPLICATION, VERIFY PREPARATION OF SUBSTRATE AND SUITABILITY OF PRIMERS (IF PRESENT) ARE IN ACCORDANCE WITH APPROVED FIRE RESISTANCE DESIGN, APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS, AND THE REQUIREMENTS OF AWCI 12-B.	P	IBC 1705.15 | AWCI 12-B
2. OBSERVE THE APPLICATION OF FIRE-RESISTANT COATINGS ENSURING COMPLIANCE WITH APPROVED FIRE RESISTANCE DESIGN, APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS, AND THE REQUIREMENTS OF AWCI 12-B.	P	IBC 1705.15 | AWCI 12-B
3. AFTER ADEQUATE DRYING BUT PRIOR TO THE APPLICATION OF ANY TOPCOAT, MEASURE THE FINAL MASTIC/INTUMESCENT MATERIAL THICKNESS ENSURING COMPLIANCE WITH THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS. MEASUREMENTS MUST CONSIDER THE THICKNESS OF PRIMERS OR OTHER EXISTING COATINGS ON THE SURFACE OF THE SUBSTRATE.	P	IBC 1705.15 | AWCI 12-B

IT-17: FIRE-RESISTANT PENETRATIONS AND JOINTS

INSPECTION TASK	FREQ	REFERENCE
1. INSPECT THROUGH-PENETRATION FIRESTOP SYSTEMS AT FIRE WALLS, FIRE BARRIERS, SMOKE BARRIERS AND FIRE PARTITION WALLS IN ACCORDANCE WITH ASTM E2174.	P	IBC 714.3.1.2, 1705.17.1
2. INSPECT PENETRATION FIRESTOP SYSTEMS AT PENETRATIONS THROUGH MEMBRANES THAT ARE PART OF A HORIZONTAL ASSEMBLY IN ACCORDANCE WITH ASTM E2174.		
A. VERIFY MATERIALS BEFORE INSTALLATION.	P	IBC 714.4.2, 1705.17.1
B. VERIFY INSTALLATION AGAINST THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS.	P	IBC 714.4.2, 1705.17.1
C. FOR EACH TYPE OF FIRESTOP, WITNESS 10% OF INSTALLATIONS – OR DESTRUCTIVE TESTING ON 2% OF INSTALLATIONS FOR 10,000 SF FLOOR AREA.	P	IBC 714.4.2, 1705.17.1
3. INSTALLATION OF FIRE-RESISTANT JOINT SYSTEMS IN ACCORDANCE WITH ASTM E2393		
A. VERIFY MATERIALS BEFORE INSTALLATION.	P	IBC 715.3, 715.4, 1705.17.2
B. VERIFY INSTALLATION AGAINST THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS.	P	IBC 715.3, 715.4, 1705.17.2
C. FOR EACH TYPE OF JOINT SYSTEM, WITNESS INSTALLATION OF A MINIMUM OF 5% OF THE TOTAL LINEAL FEET BEING INSTALLED – OR DESTRUCTIVE TESTING, DISASSEMBLY, OR VISUAL INSPECTION AT LEAST THE RATE OF 1 SAMPLE FOR EVERY 500 LINEAL FEET BEING INSTALLED.	P	IBC 715.3, 715.4, 1705.17.2

INSPECTION IS ONLY REQUIRED FOR HIGH-RISE BUILDINGS OR BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV. ADDITIONS, CHANGES OF USE, EVALUATIONS PER CHAPTER 14 OF THE IEBC, AND LEVEL 3 ALTERATIONS WITHIN EXISTING HIGH-RISE BUILDINGS OR BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV SHALL ALSO REQUIRE THESE INSPECTIONS.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T (919) 380-8750
FSW# LICENSURE PENDING
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRIAN COVINGTON

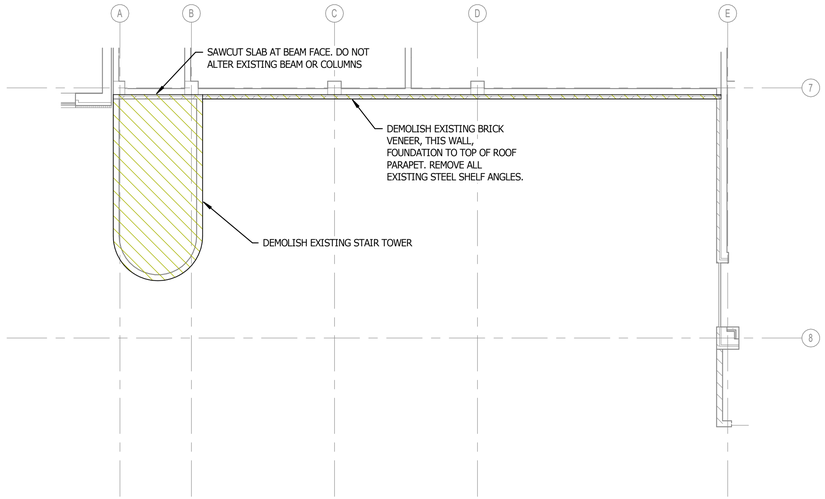
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S0.4
Checked By: MBC	

Sheet Title
STATEMENT OF SPECIAL INSPECTIONS

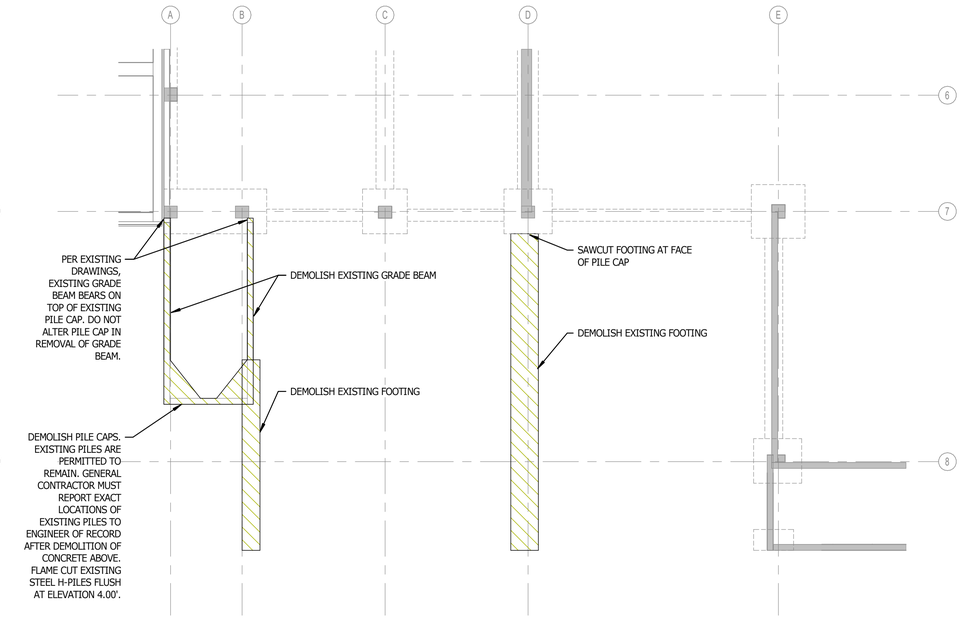


3 3S1.0 SECOND LEVEL FRAMING THRU ROOF

1/8" = 1'-0"

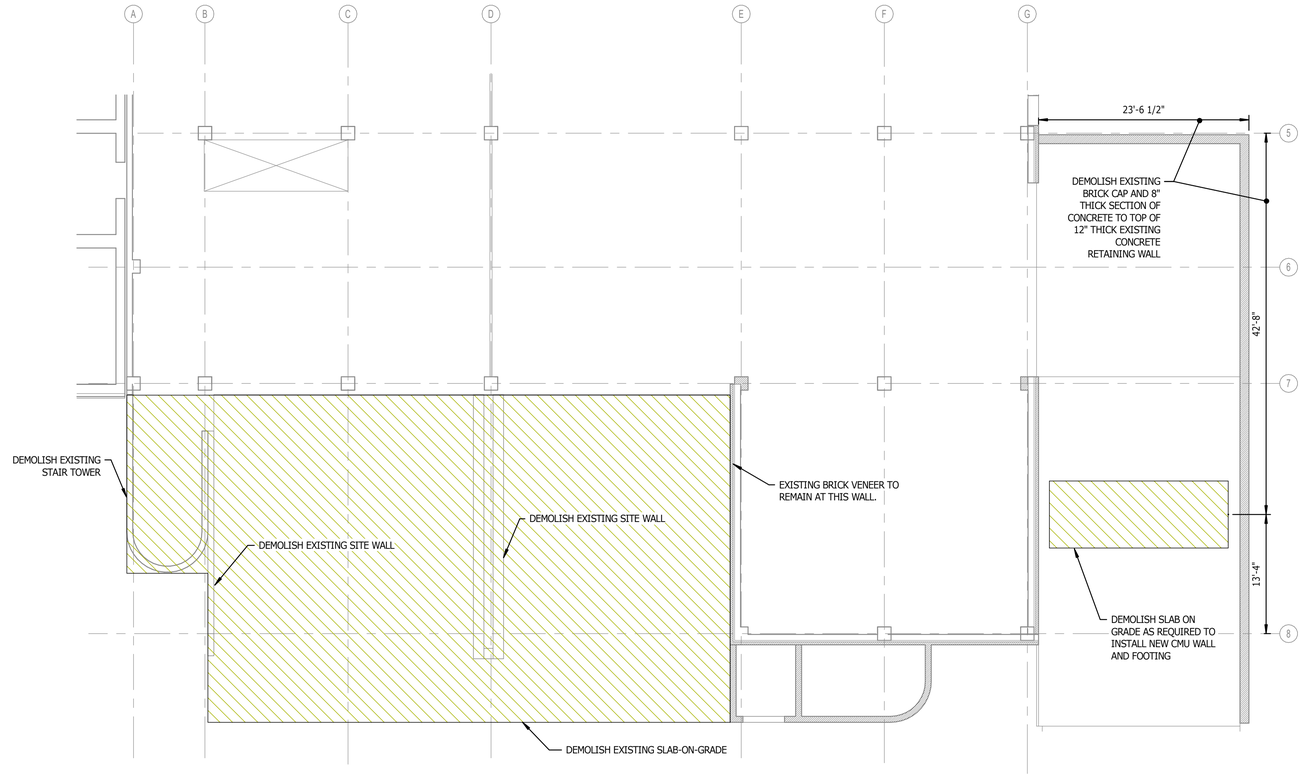
NOTES:

1. DENOTES EXTENTS OF DEMOLITION.



1 3S1.0 FOUNDATION PLAN

1/8" = 1'-0"



2 3S1.0 LOWER LEVEL PLAN

1/8" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRYAN COVINGTON

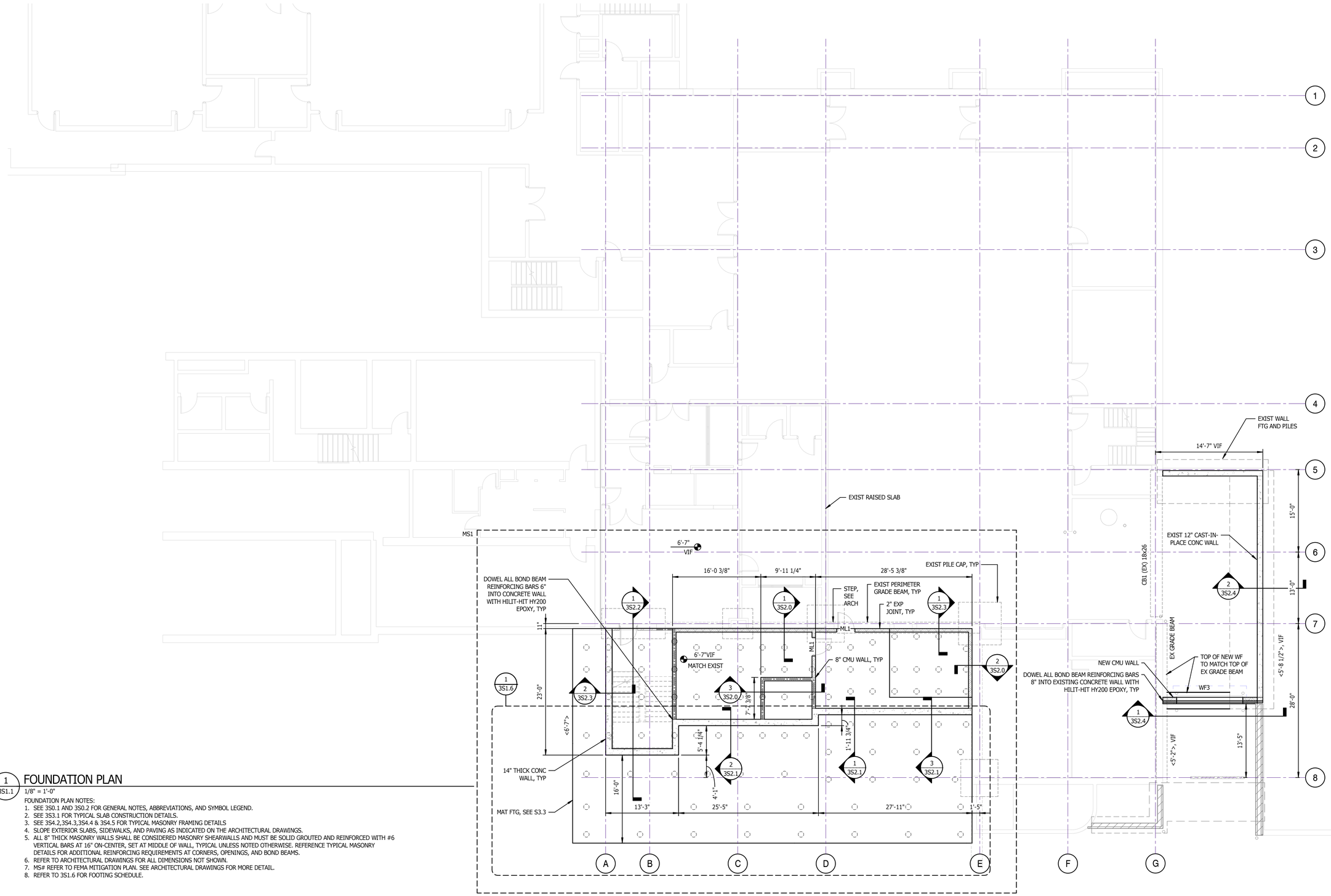
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S1.0
Checked By: MBC	

Sheet Title
STRUCTURAL DEMOLITION PLAN



1 / 3S1.1 FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE 3S3.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE 3S4.2,3S4.3,3S4.4 & 3S4.5 FOR TYPICAL MASONRY FRAMING DETAILS
4. SLOPE EXTERIOR SLABS, SIDEWALKS, AND PAVING AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
5. ALL 8" THICK MASONRY WALLS SHALL BE CONSIDERED MASONRY SHEARWALLS AND MUST BE SOLID GROUTED AND REINFORCED WITH #6 VERTICAL BARS AT 16" ON-CENTER, SET AT MIDDLE OF WALL, TYPICAL UNLESS NOTED OTHERWISE. REFERENCE TYPICAL MASONRY DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT CORNERS, OPENINGS, AND BOND BEAMS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
7. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.
8. REFER TO 3S1.6 FOR FOOTING SCHEDULE.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FSHH LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER JORDAN CONNISTON

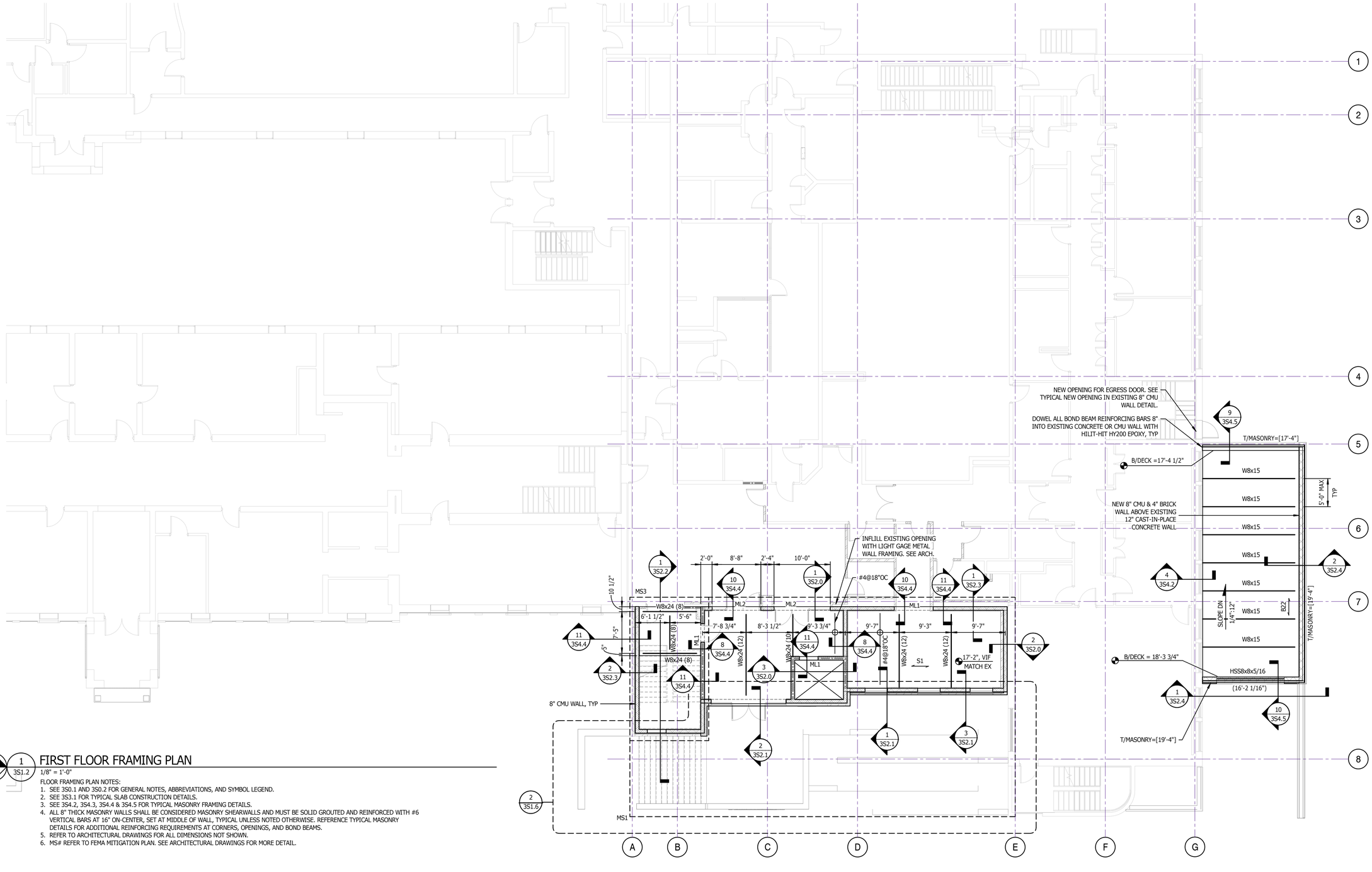
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S1.1
Checked By: MBC	

Sheet Title: FOUNDATION PLAN



1 / 3S1.2 FIRST FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE 3S3.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE 3S4.2, 3S4.3, 3S4.4 & 3S4.5 FOR TYPICAL MASONRY FRAMING DETAILS.
4. ALL 8" THICK MASONRY WALLS SHALL BE CONSIDERED MASONRY SHEARWALLS AND MUST BE SOLID GROUTED AND REINFORCED WITH #6 VERTICAL BARS AT 16" ON-CENTER, SET AT MIDDLE OF WALL, TYPICAL UNLESS NOTED OTHERWISE. REFERENCE TYPICAL MASONRY DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT CORNERS, OPENINGS, AND BOND BEAMS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
6. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

Copyright © 2023 Oakley-Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27601
T 919.380.8750
FSHH LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRYAN COVINGTON

07/07/2023

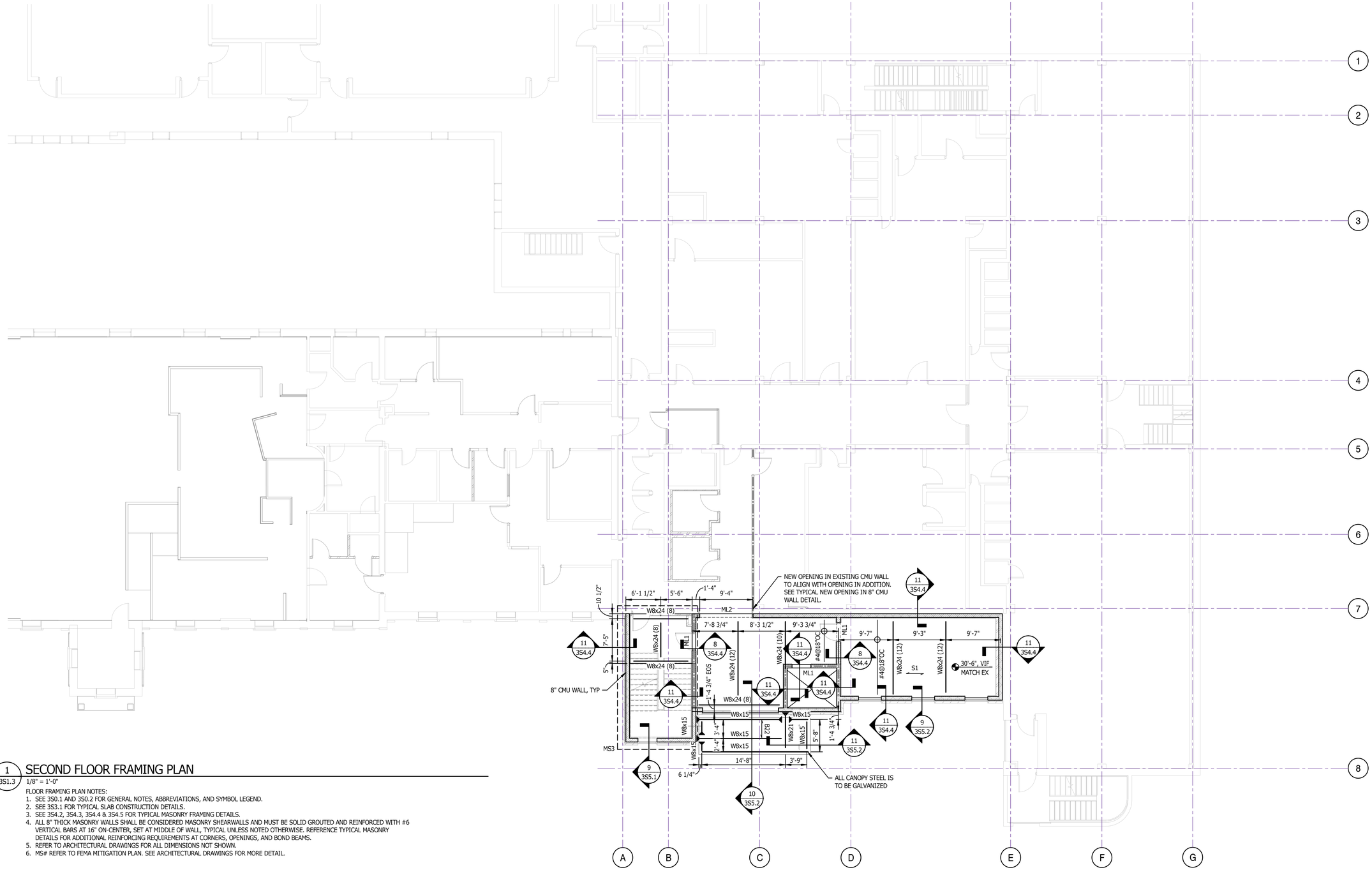
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S1.2
Checked By: MBC	

Sheet Title: FIRST FLOOR FRAMING PLAN

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3S1.3 SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE 3S3.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE 3S4.2, 3S4.3, 3S4.4 & 3S4.5 FOR TYPICAL MASONRY FRAMING DETAILS.
4. ALL 8" THICK MASONRY WALLS SHALL BE CONSIDERED MASONRY SHEARWALLS AND MUST BE SOLID GROUTED AND REINFORCED WITH #6 VERTICAL BARS AT 16" ON-CENTER, SET AT MIDDLE OF WALL, TYPICAL UNLESS NOTED OTHERWISE. REFERENCE TYPICAL MASONRY DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT CORNERS, OPENINGS, AND BOND BEAMS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
6. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043141 JORDAN COVINGTON

07/07/2023

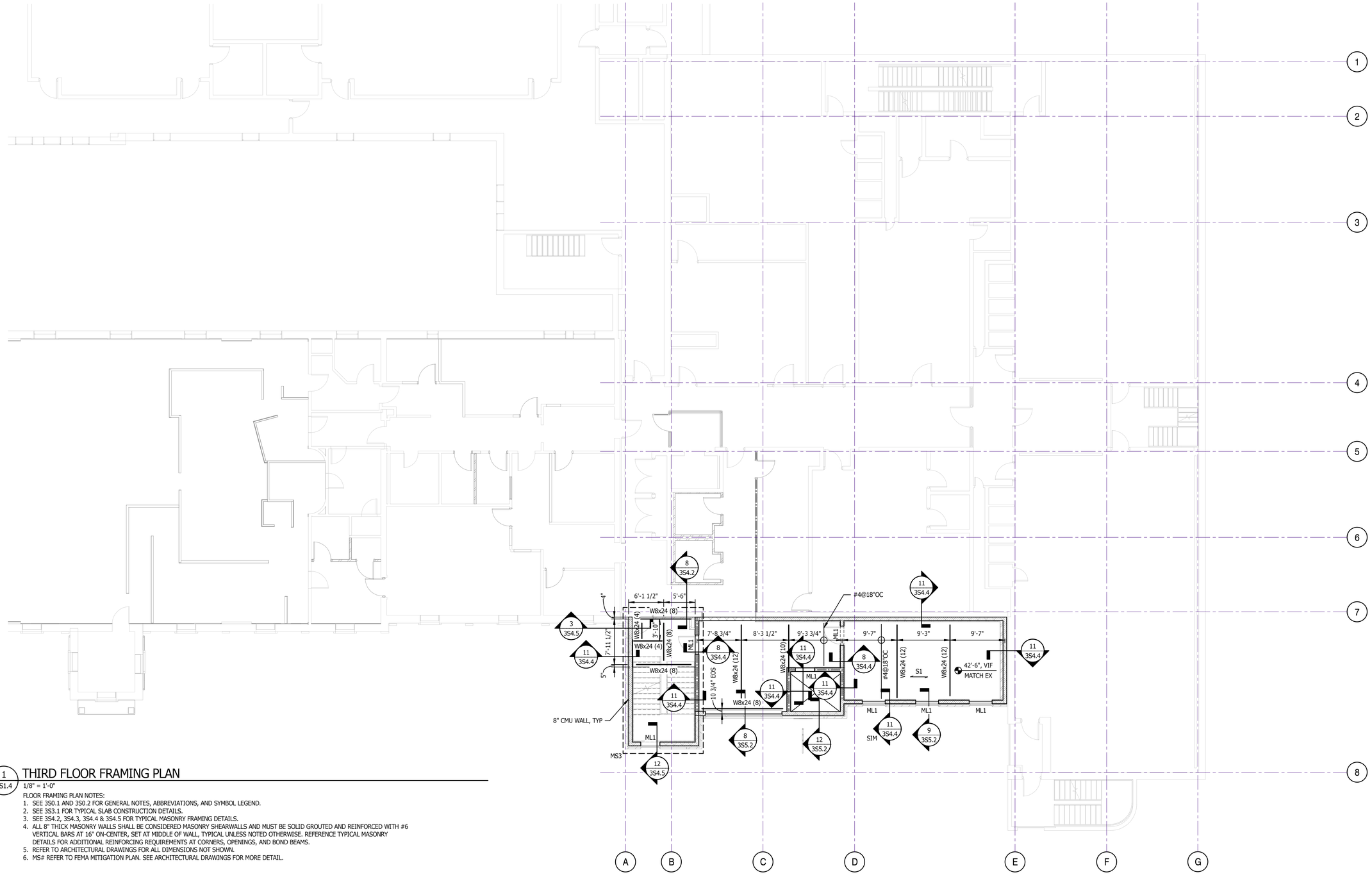
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S1.3
Checked By: MBC	

Sheet Title: SECOND FLOOR FRAMING PLAN

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3S1.4 THIRD FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES:

1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE 3S3.1 FOR TYPICAL SLAB CONSTRUCTION DETAILS.
3. SEE 3S4.2, 3S4.3, 3S4.4 & 3S4.5 FOR TYPICAL MASONRY FRAMING DETAILS.
4. ALL 8" THICK MASONRY WALLS SHALL BE CONSIDERED MASONRY SHEARWALLS AND MUST BE SOLID GROUTED AND REINFORCED WITH #6 VERTICAL BARS AT 16" ON-CENTER, SET AT MIDDLE OF WALL, TYPICAL UNLESS NOTED OTHERWISE. REFERENCE TYPICAL MASONRY DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT CORNERS, OPENINGS, AND BOND BEAMS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
6. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043141 KIERAN COVINGTON

07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S1.4
Checked By: MBC	

Sheet Title
THIRD FLOOR FRAMING PLAN

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3S1.5 ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE 3S6.1 FOR TYPICAL STEEL ROOF FRAMING DETAILS.
3. DIMENSIONS ARE TO OUTSIDE FACE OF FRAMING, UNO. REFER TO ARCHITECTURAL DRAWINGS FOR ALL WALL LOCATIONS AND DIMENSIONS.
4. SEE ARCHITECTURAL DRAWINGS FOR ALL ROOF SLOPES.
5. ALL 8" THICK MASONRY WALLS SHALL BE CONSIDERED MASONRY SHEARWALLS AND MUST BE SOLID GROUTED AND REINFORCED WITH #6 VERTICAL BARS AT 16" ON-CENTER, SET AT MIDDLE OF WALL. REFERENCE TYPICAL MASONRY DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS AT CORNERS, OPENINGS, AND BOND BEAMS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
7. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043141 KYRAN COVINGTON

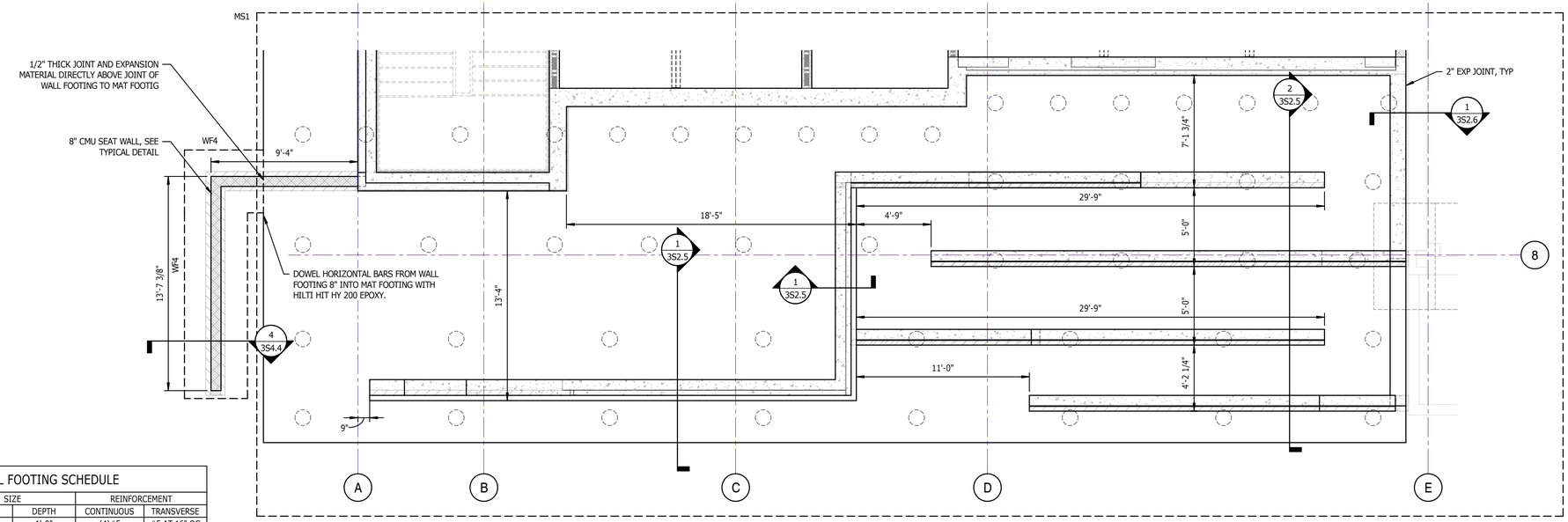
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S1.5
Checked By: MBC	

Sheet Title
ROOF FRAMING PLAN

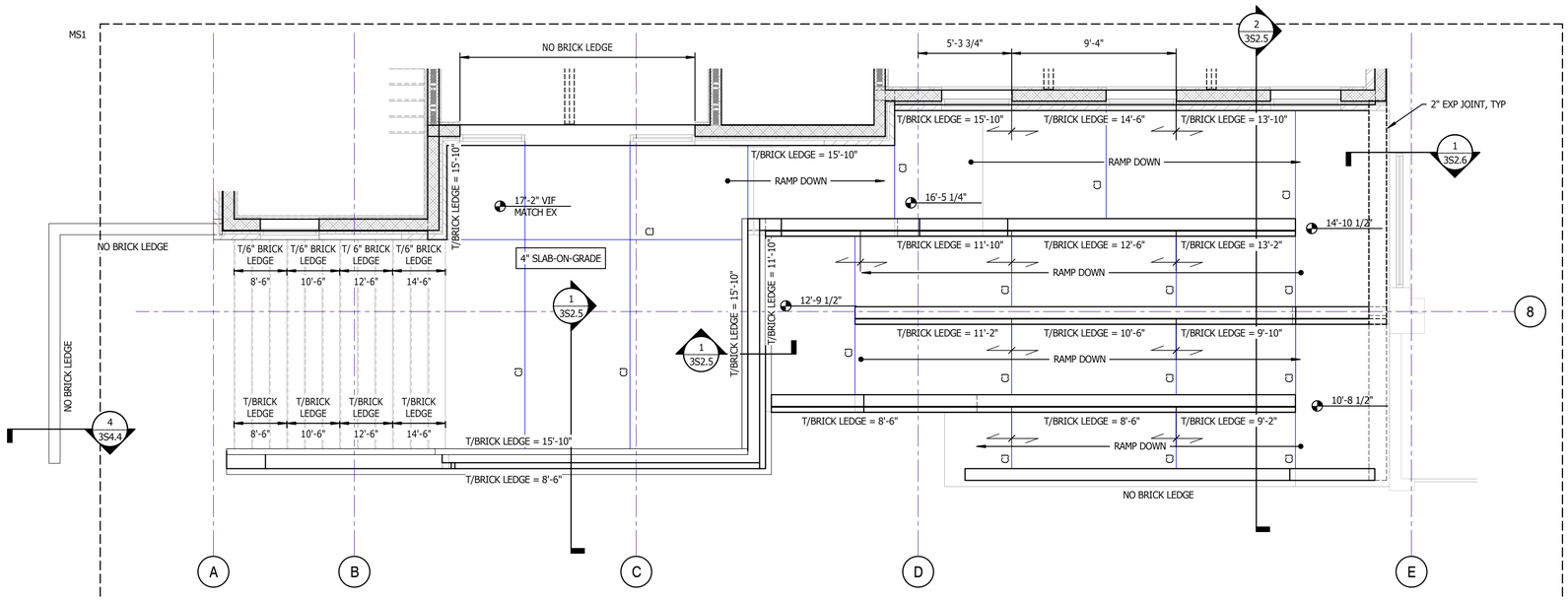


WALL FOOTING SCHEDULE				
	SIZE		REINFORCEMENT	
MARK	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE
WF3	3'-0"	1'-0"	(4)#5	#5 AT 16" OC
WF4	4'-0"	1'-2"	(5)#5 TOP & BOT	#5 AT 16" OC

1 / 3S1.6 SITE WALL FOUNDATION PLAN

1/4" = 1'-0"

NOTES:
1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS LEGEND.
2. DIMENSIONS ARE MEASURED FROM FACE OF BRICK UNLESS OTHERWISE NOTED.
3. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.



2 / 3S1.6 SITE RAMPING PLAN

1/4" = 1'-0"

NOTES:
1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS LEGEND.
2. SEE 3S3.1 FOR TYPICAL SLAB-ON-GRADE DETAILS.
3. ALL BRICK LEDGES ARE TO BE 4" WIDE UNLESS NOTED OTHERWISE.
4. MS# REFER TO FEMA MITIGATION PLAN. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FSHH LICENSE #C-0251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRIAN COVINGTON

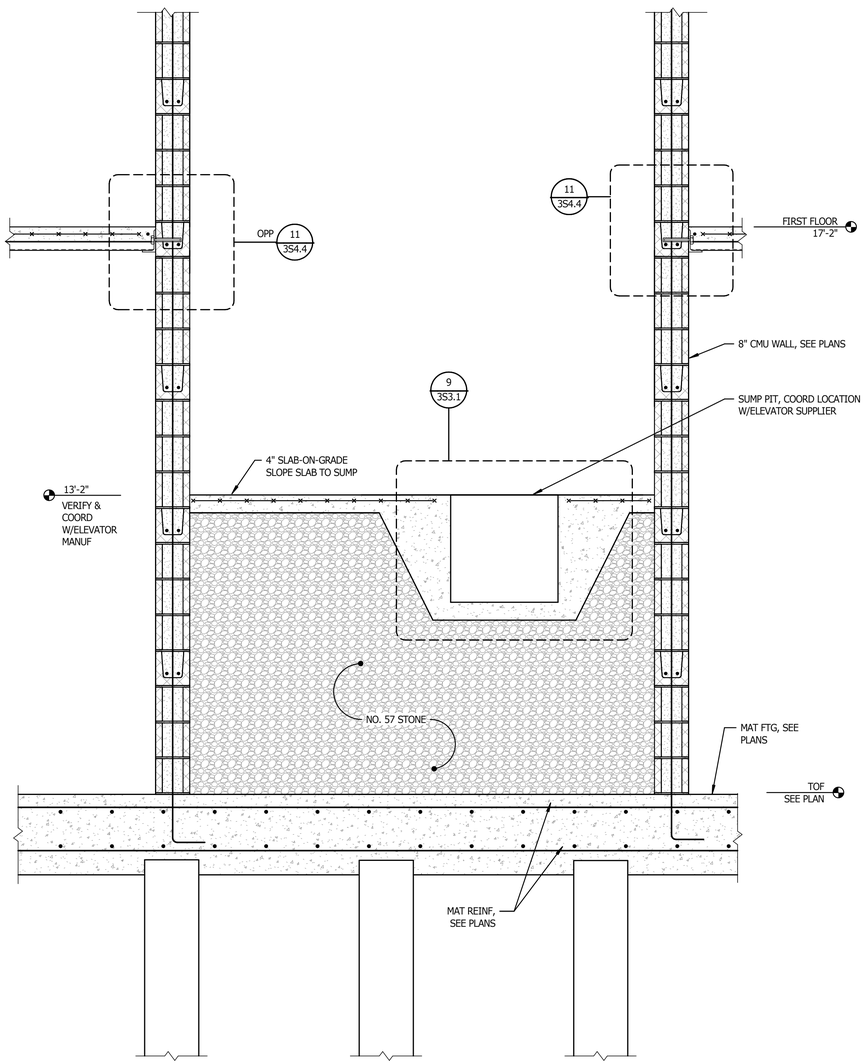
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

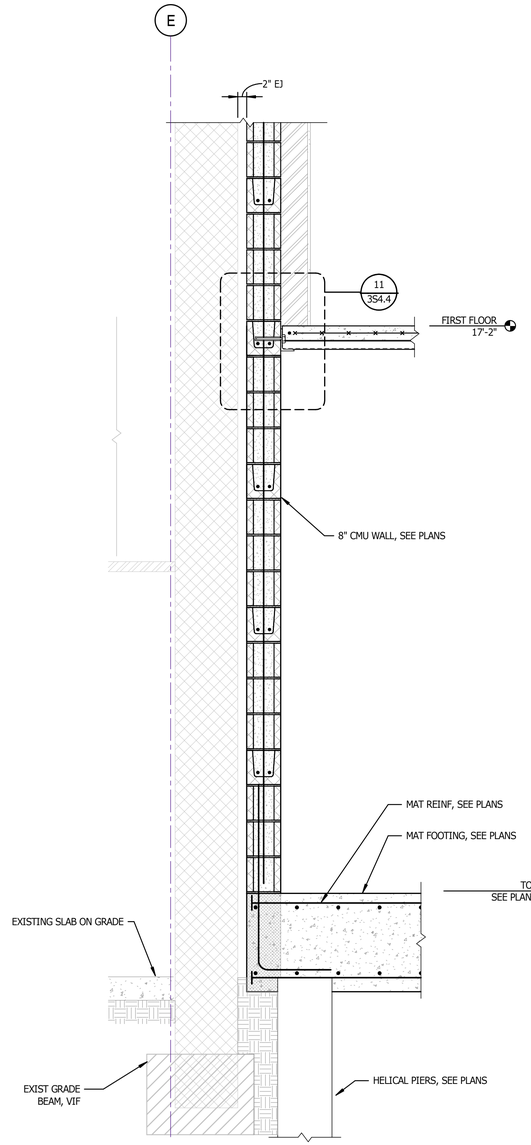
Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S1.6
Checked By: MBC	

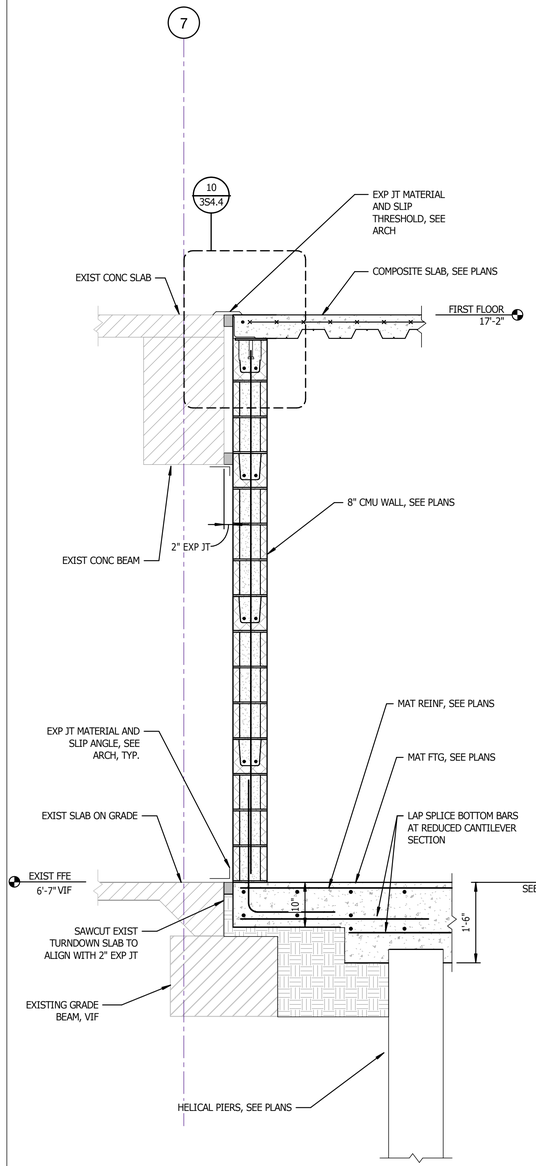
Sheet Title:
SITE WALL FOUNDATION AND SLAB ON GRADE PLAN



3 SECTION
3S2.0 3/4" = 1'-0"



2 SECTION
3S2.0 3/4" = 1'-0"



1 SECTION
3S2.0 3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045141 JORDAN COVINGTON

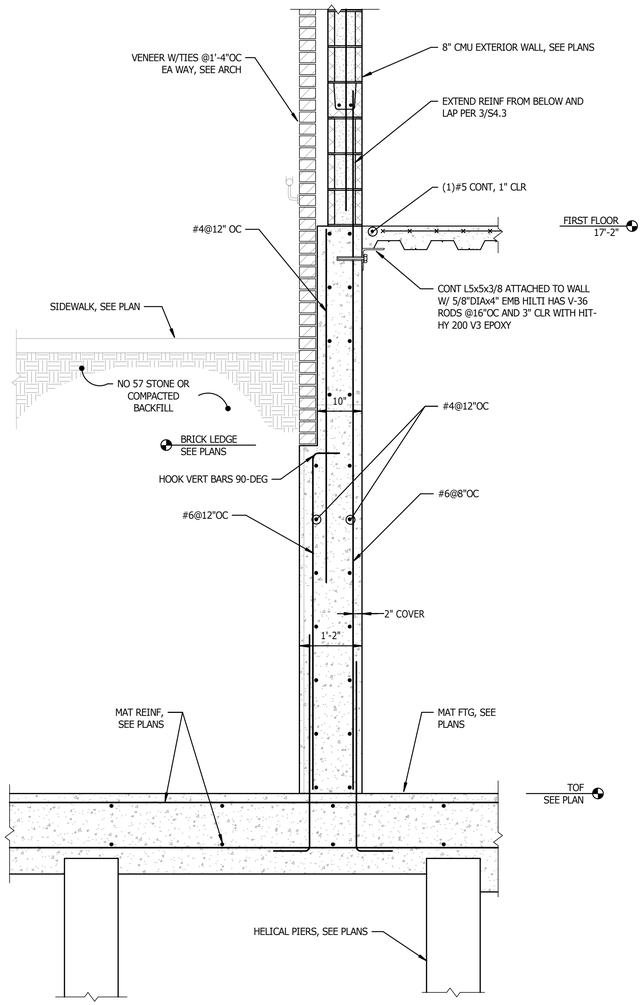
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

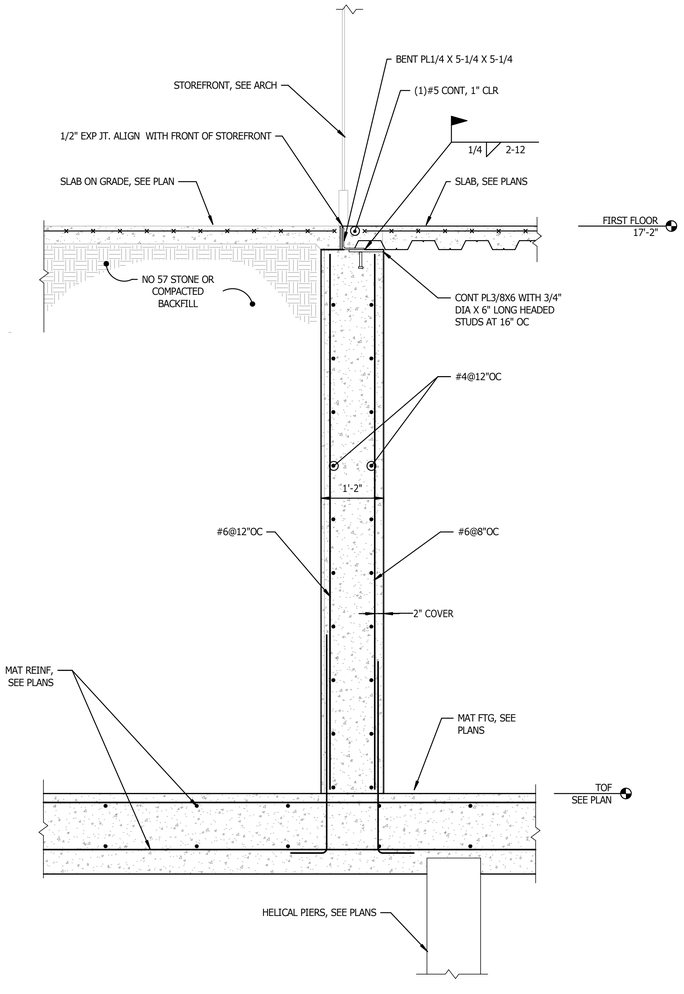
Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S2.0
Checked By: MBC	

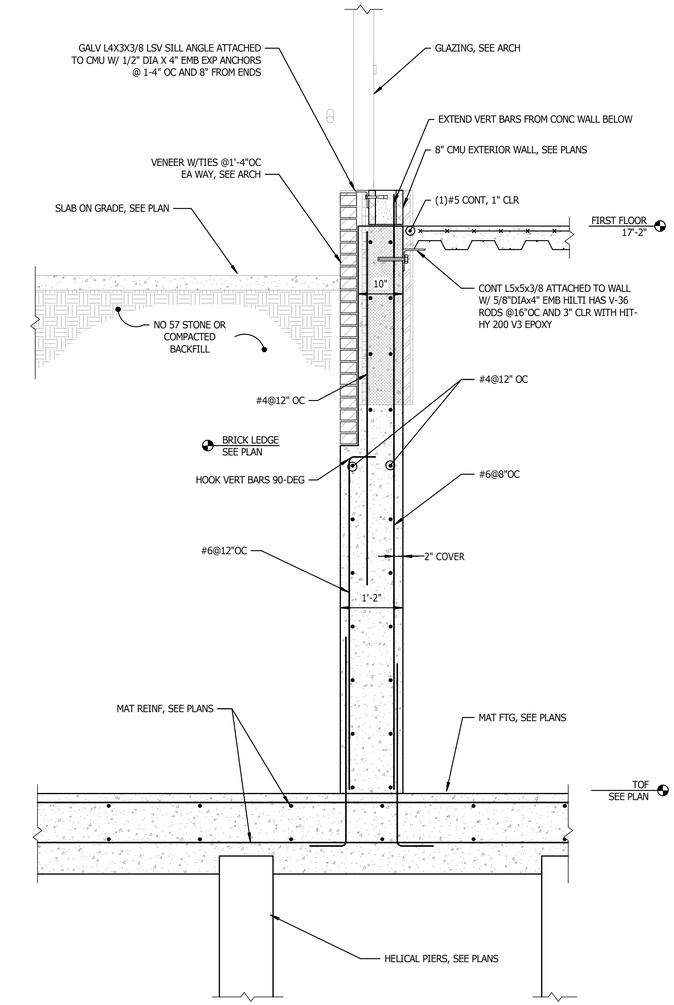
Sheet Title
FOUNDATION SECTIONS



3 3S2.1 SECTION
3/4" = 1'-0"



2 3S2.1 SECTION
3/4" = 1'-0"



1 3S2.1 SECTION
3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER KIERAN COVINGTON

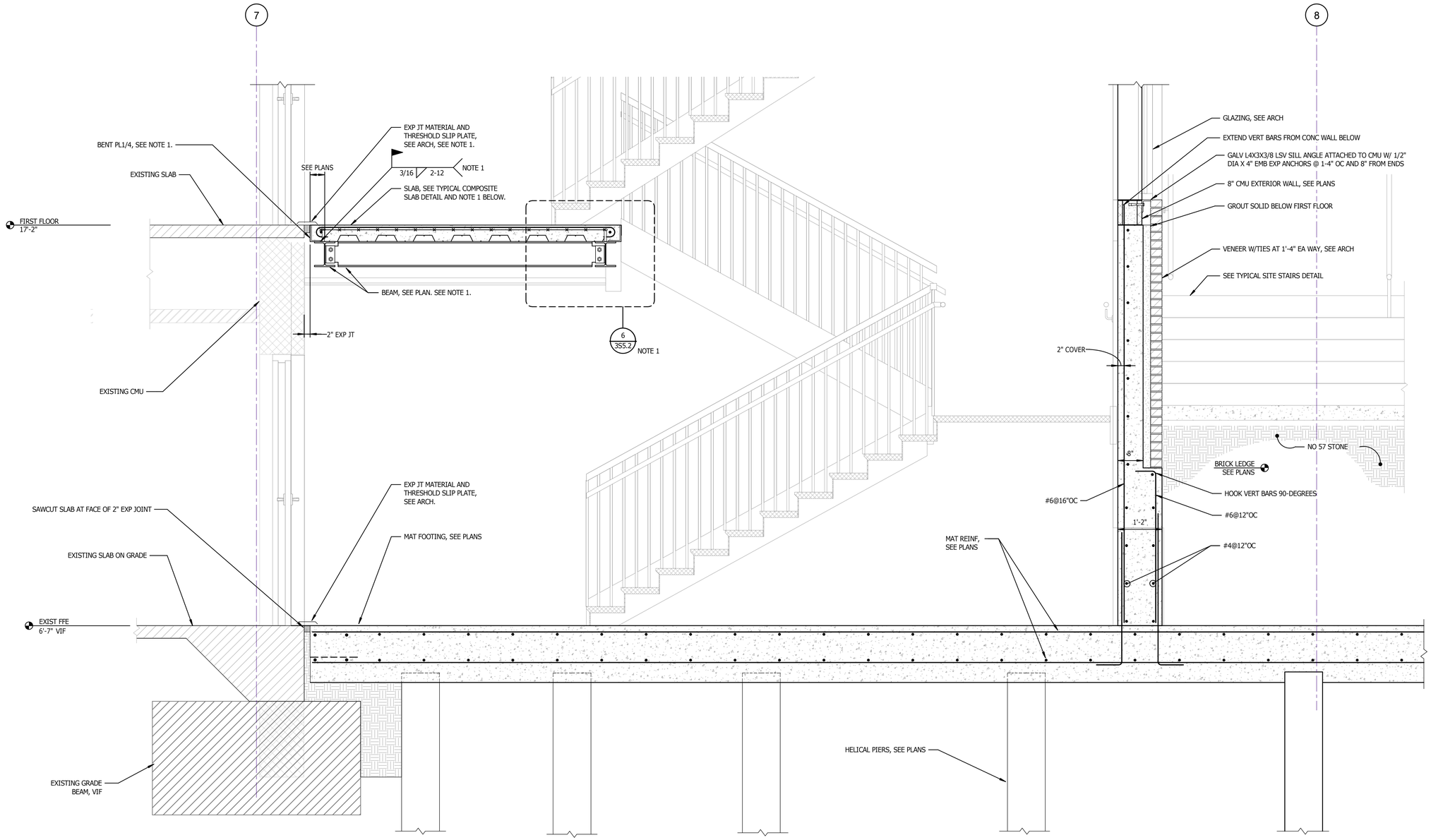
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S2.1
Checked By: MBC	

Sheet Title
FOUNDATION SECTIONS



1 / 3S2.2 **SECTION**

3/4" = 1'-0"

NOTES:

1. STAIR LANDING FRAMING SHOWN IS TYPICAL OF STAIR LANDING FRAMING AT ALL FLOORS ABOVE UNLESS OTHERWISE NOTED.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 520089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043141 ENGINEER MARIAN COVINGTON III

07/07/2023

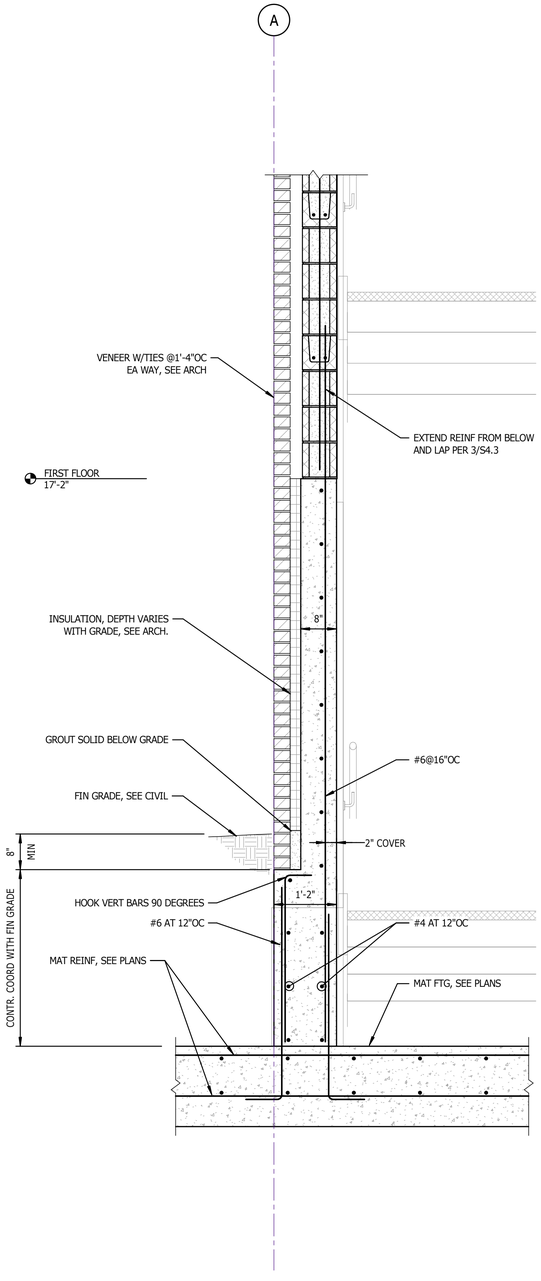
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

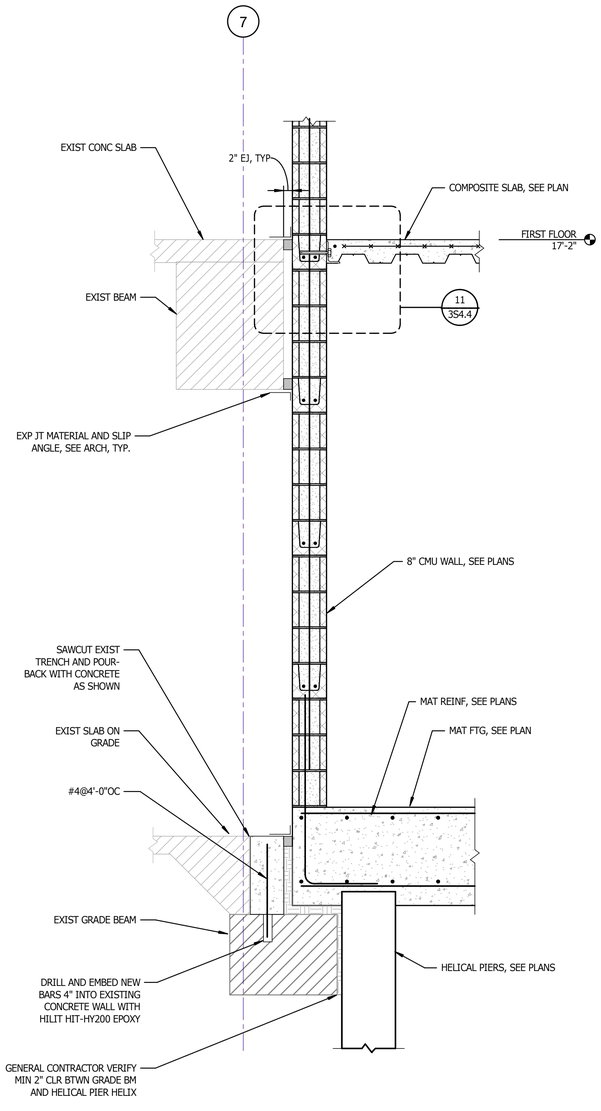
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S2.2
Checked By: MBC	

Sheet Title
FOUNDATION SECTIONS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



2 / 3S2.3 SECTION
3/4" = 1'-0"



1 / 3S2.3 SECTION
3/4" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER MATTHEW CONNINGTON

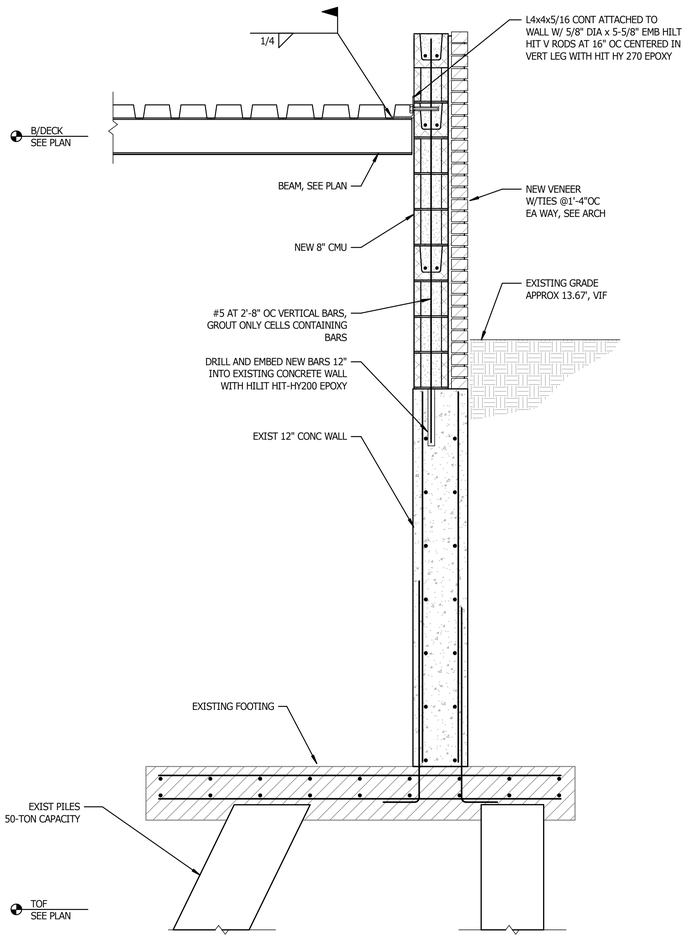
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

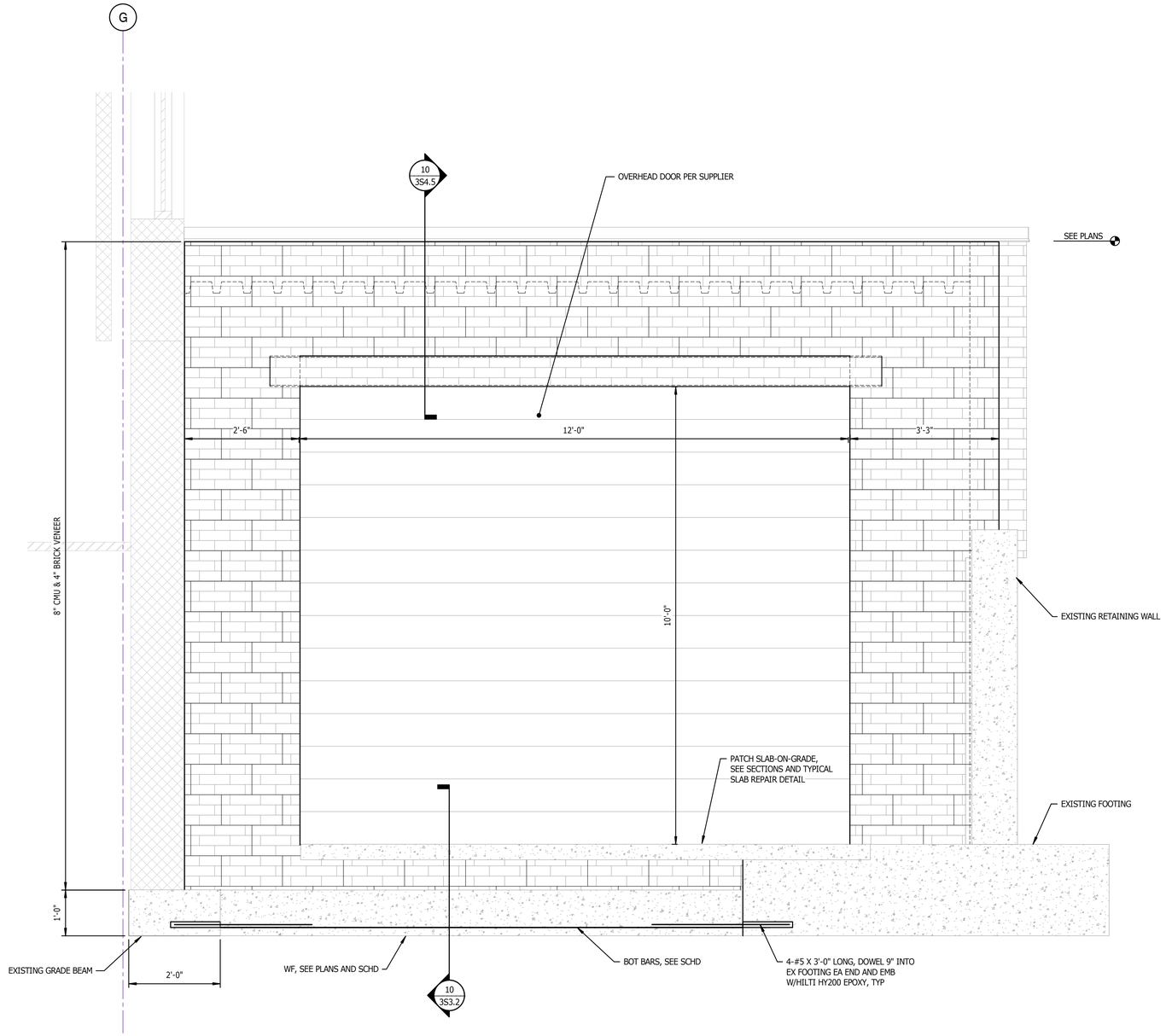
Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S2.3
Checked By: MBC	

Sheet Title
FOUNDATION SECTIONS



2 3S2.4 SECTION
3/4" = 1'-0"



1 3S2.4 SECTION
3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRIAN COVINGTON

07/07/2023

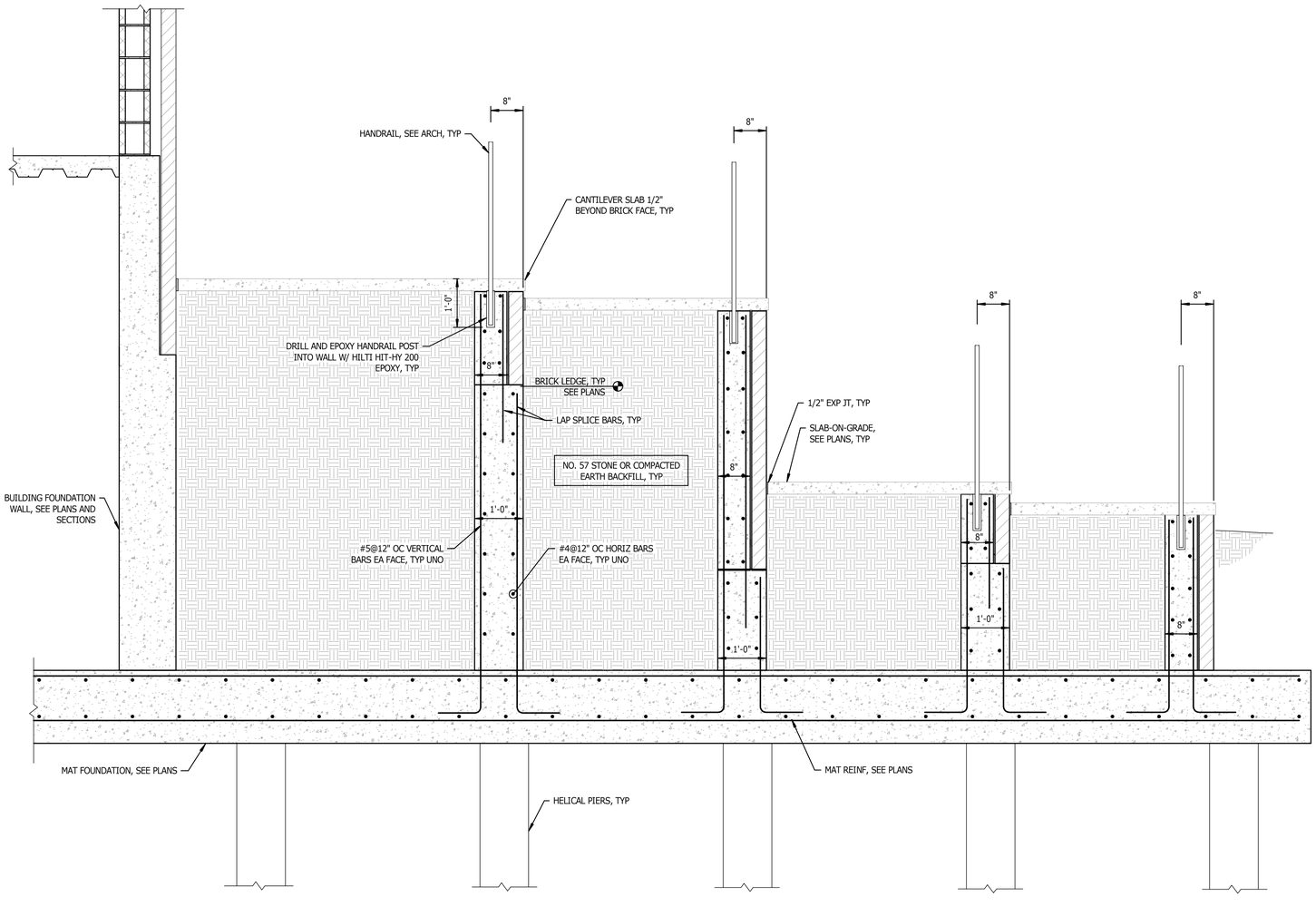
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

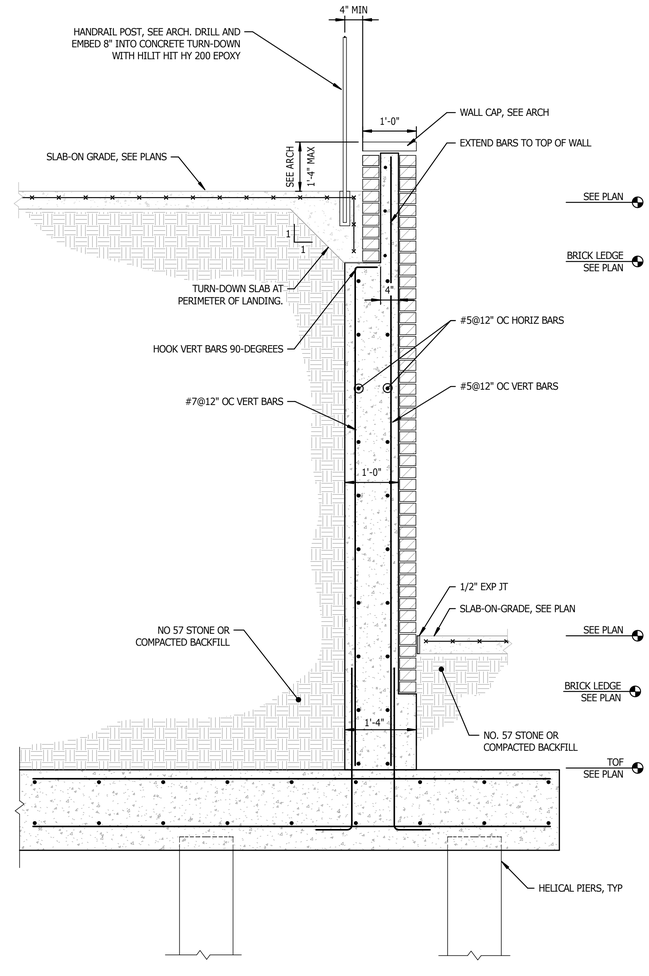
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S2.4
Checked By: MBC	

Sheet Title
FOUNDATION SECTIONS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



2 / 3S2.5 SECTION
3/4" = 1'-0"



1 / 3S2.5 SECTION
3/4" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 322089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRIAN COVINGTON

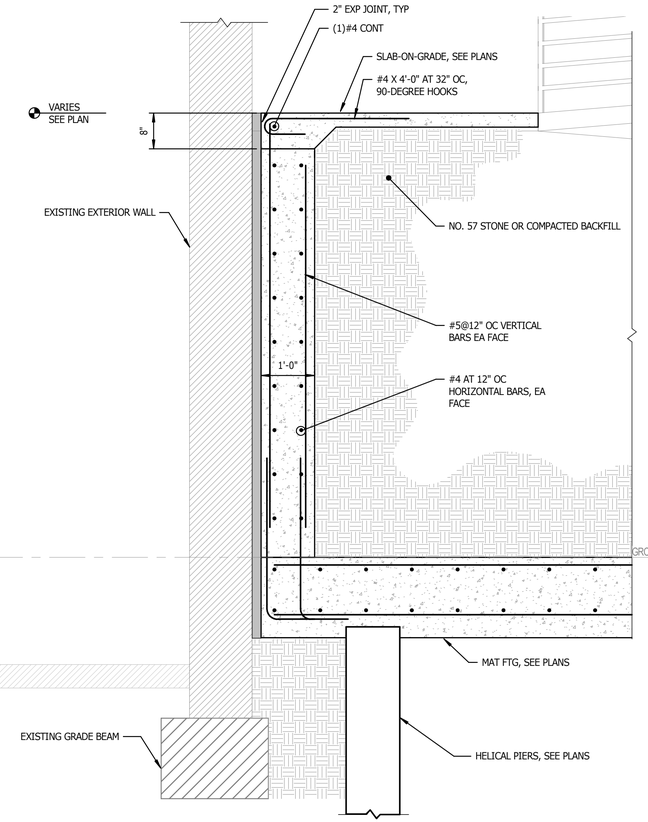
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S2.5
Checked By: MBC	

Sheet Title
SITE WALL SECTIONS



1 / 3S2.6 SECTION
3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 520089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 043141 ENGINEER BRYAN COVINGTON

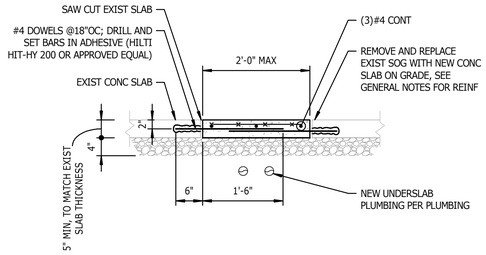
07/07/2023

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

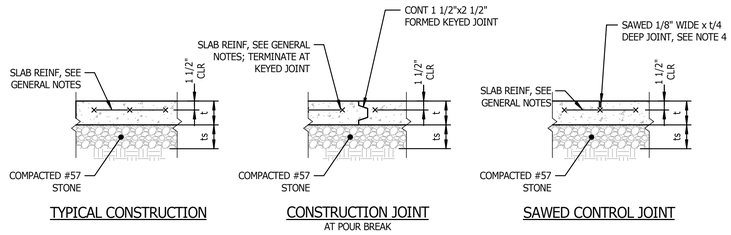
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S2.6
Checked By: MBC	

Sheet Title
SITE WALL SECTIONS



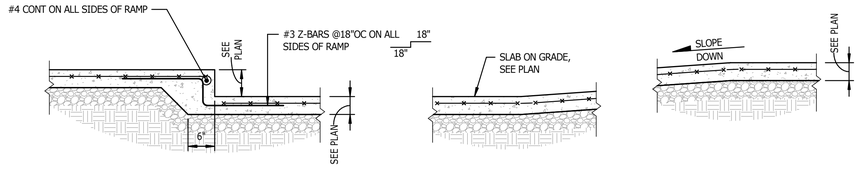
NOTES:
1. SEE ARCHITECTURAL AND PLUMBING DRAWINGS FOR LOCATIONS WHERE EXISTING SLAB REMOVAL AND REPLACEMENT IS REQUIRED.
2. INFILL ANY TRENCHES REQUIRED FOR UPFIT WITH COMPACTED #57 STONE PRIOR TO REPLACING SLAB ON GRADE.
3. SEAL JOINT IN NEW VAPOR BARRIER WITH EXISTING.

7 / 3S3.1 TYPICAL SLAB ON GRADE REPAIR
NTS

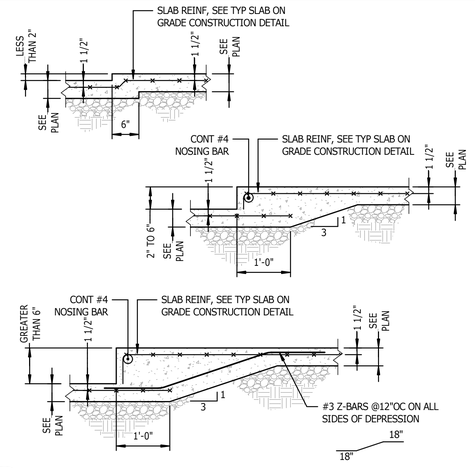


NOTES:
1. 't' DENOTES SLAB THICKNESS, SEE PLANS. 'ts' DENOTES POROUS SUBGRADE FILL THICKNESS, SEE "FOUNDATION" GENERAL NOTES.
2. LOCATION OF SLAB ON GRADE CONSTRUCTION JOINTS SHALL BE DETERMINED BY THE CONTRACTOR. JOINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
3. SEE PLANS FOR LOCATION OF CONTROL JOINTS. WHERE NOT SHOWN ON PLAN, CONTACT THE ENGINEER.
4. SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR.

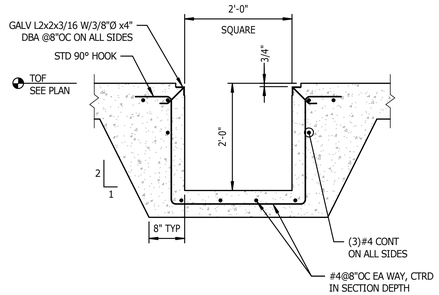
1 / 3S3.1 TYPICAL SLAB ON GRADE
NTS



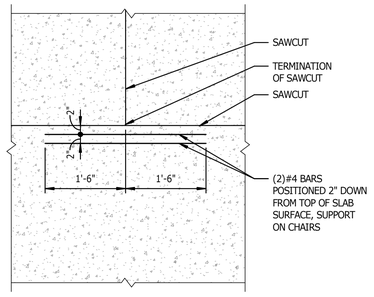
5 / 3S3.1 TYPICAL RAMP ON GRADE
NTS



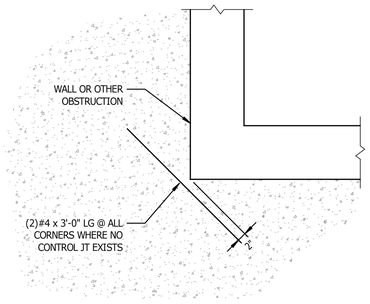
2 / 3S3.1 TYPICAL DEPRESSION IN SLAB ON GRADE
NTS



9 / 3S3.1 ELEVATOR SUMP PIT
NTS



6 / 3S3.1 TYPICAL AT CONTROL JOINT TERMINATION
NTS



3 / 3S3.1 TYPICAL SLAB AT CORNERS
NTS

Copyright © 2023 OakleyCollier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 5320089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER MATTHEW B. CONNOLLY

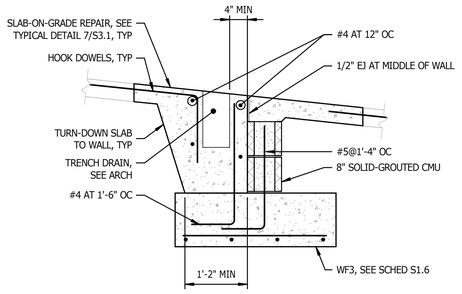
07/07/2023

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

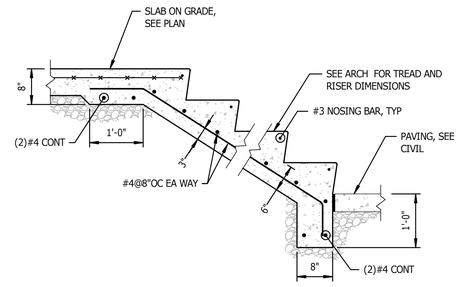
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S3.1
Checked By: MBC	

Sheet Title
SLAB ON GRADE DETAILS

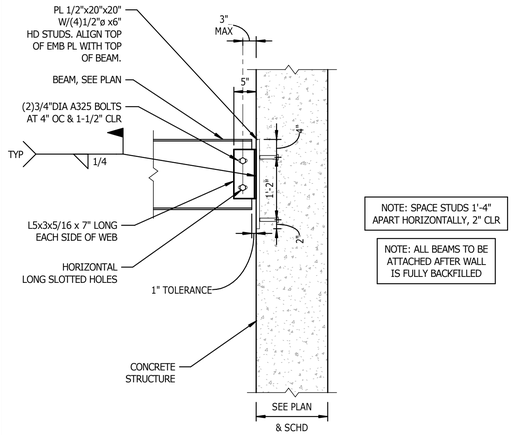


NOTES:
1. SEE ARCH FOR NOSINGS, GRATING, AND ALL TRENCH DRAIN HARDWARE .

10 / 3S3.2 SECTION
3/4" = 1'-0"



7 / 3S3.2 TYPICAL SITE STEPS WITH CONCRETE WALLS
NTS



NOTE: SPACE STUDS 1'-4" APART HORIZONTALLY, 2" CLR

NOTE: ALL BEAMS TO BE ATTACHED AFTER WALL IS FULLY BACKFILLED

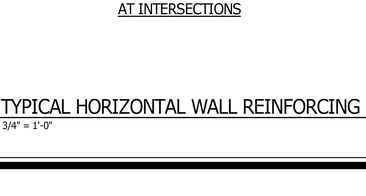
4 / 3S3.2 TYPICAL STEEL BEAM TO CONCRETE DETAIL
NTS

CONCRETE REINFORCING SPLICES (CLASS B)			
BAR SIZE	f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	2'-4"	2'-0"	1'-10"
#4	3'-1"	2'-8"	2'-5"
#5	3'-11"	3'-4"	3'-0"
#6	4'-8"	4'-0"	3'-7"
#7	6'-9"	5'-10"	5'-3"
#8	7'-9"	6'-8"	6'-0"
#9	8'-10"	7'-7"	6'-9"
#10	9'-10"	8'-6"	7'-7"
#11	10'-11"	9'-5"	8'-5"

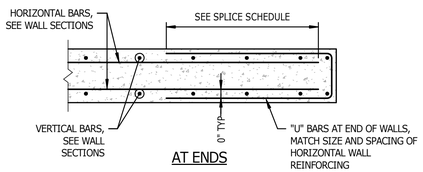


NOTES:
1. APPLIES TO BOTTOM BARS ONLY (LESS THAN 12" OF FRESH CONCRETE BELOW BAR).
2. APPLIES WHERE THE CLEAR COVER IS GREATER THAN THE BAR DIAMETER.
3. WHEN MORE THAN 12" OF FRESH CONCRETE BELOW SPLICE, THEN INCREASE SPLICE TO 1.3 x SPLICE LENGTH.
4. CLASS B SPLICE IS TYPICAL UNO.

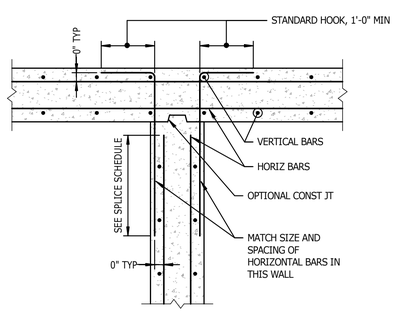
1 / 3S3.2 CONCRETE REINFORCING SPLICE SCHEDULE
NTS



AT CORNERS

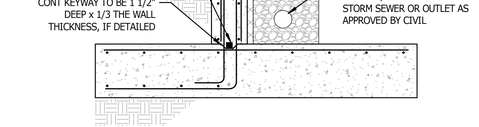


AT ENDS



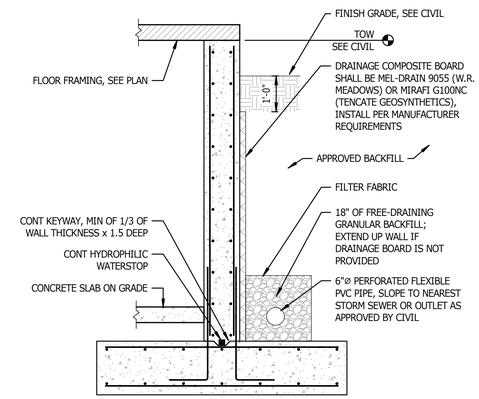
AT INTERSECTIONS

11 / 3S3.2 TYPICAL HORIZONTAL WALL REINFORCING
3/4" = 1'-0"



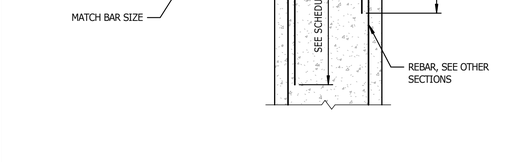
NOTES:
1. THIS DETAIL IS INTENDED TO SPECIFY ONLY THE REQUIRED DRAINAGE SYSTEM FOR ALL SITE RETAINING WALLS. SEE OTHER SECTIONS AND DETAILS FOR WALL AND FOOTING SIZES, REINFORCING, ETC.

8 / 3S3.2 TYP SITE RETAINING WALL DRAINAGE SYSTEM
NTS

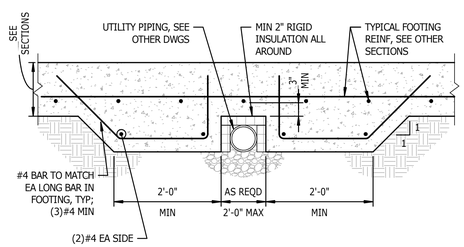


NOTES:
1. THIS DETAIL IS INTENDED TO SPECIFY ONLY THE REQUIRED DRAINAGE SYSTEM FOR ALL BUILDING WALLS, SEE OTHER SECTIONS AND DETAILS FOR WALL AND FOOTING SIZES, REINFORCING, ETC.

9 / 3S3.2 TYPICAL BUILDING WALL DRAINAGE SYSTEM
NTS

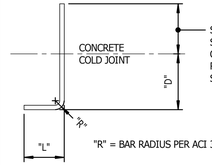


5 / 3S3.2 TYPICAL FOOTING CORNER
NTS



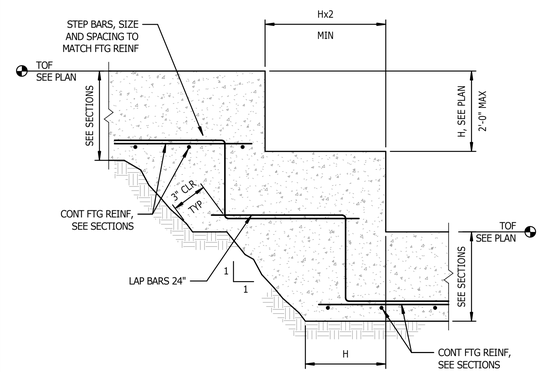
6 / 3S3.2 TYPICAL UTILITY BELOW FOOTING
NTS

CONCRETE REINFORCING DOWEL EMBEDMENT				
BAR SIZE	LEG DIM, "L"	EMBEDMENT, "D"		
		f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 5,000 PSI
#3	6"	6"	6"	6"
#4	8"	8"	7"	6"
#5	10"	10"	9"	8"
#6	12"	12"	10"	9"
#7	14"	14"	12"	11"
#8	16"	16"	14"	12"
#9	19"	18"	15"	14"
#10	22"	20"	17"	15"
#11	24"	22"	19"	17"



NOTES:
1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE EMBEDMENT LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
2. DOWEL LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE DOWEL LENGTH "D" BY 30%.
3. SIDE COVER ON BARS MUST BE GREATER THAN 2 1/2". END COVER ON 90° HOOKED BARS MUST BE GREATER THAN 2".
4. FOR EPOXY-COATED BARS, INCREASE THE DOWEL LENGTH "D" BY 20%.

2 / 3S3.2 DOWEL EMBEDMENT LENGTH SCHEDULE
NTS



3 / 3S3.2 TYPICAL STEP IN WALL FOOTING
NTS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St. Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER JORDAN COVINGTON

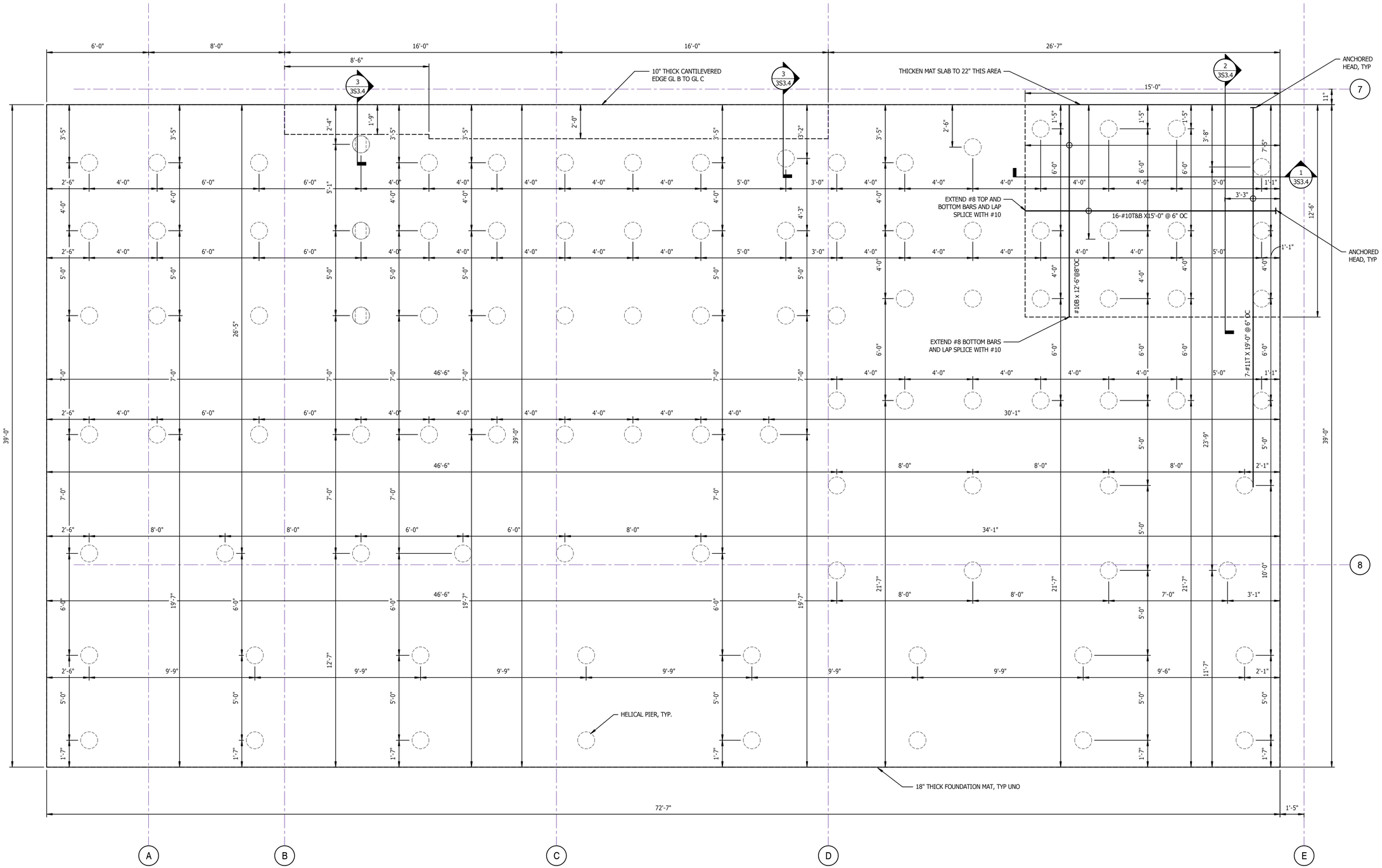
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S3.2
Checked By: MBC	

Sheet Title: FOUNDATION DETAILS



1 / 3S3.3 MAT FOOTING PLAN

3/8" = 1'-0"

NOTES:

1. SEE 3S0.1 AND 3S0.2 FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS LEGEND.
2. MAT FOUNDATION IS TO BE REINFORCED WITH #8 AT 12" ONCENTER, EACH WAY, TOP AND BOTTOM TYP UNO. BOTTOM BARS TO BE SET WITH 5" CLEAR COVER AT 18" THICK MAT ONLY. SET BOTTOM BARS WITH 3" COVER AT 22" THICK MAT AND 10" THICK CANTILEVERED LEDGE.
3. TOP OF ALL HELICAL PIERS ARE TO BE EMBEDDED 3" INTO BOTTOM OF MAT.
4. CONTINUOUS 15 MIL VAPOR BARRIER BELOW MAT. CUT BARRIER AND SEAL AROUND SHAFTS OF HELICAL PIERS.
5. PLAN NORTH-SOUTH BARS ARE TO BE SET ABOVE PLAN EAST-WEST BARS, TOP AND BOTTOM, TYP UNO.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER JORDAN COVINGTON

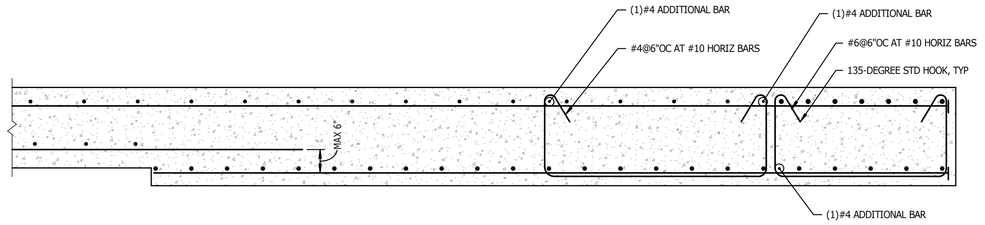
07/07/2023

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

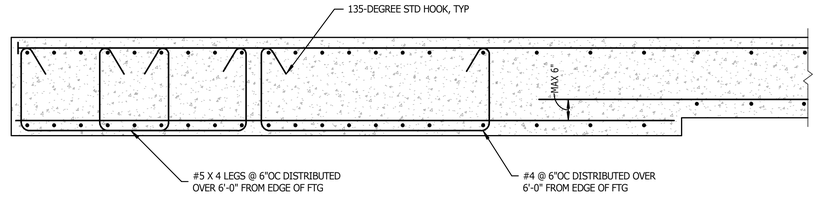
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S3.3
Checked By: MBC	

Sheet Title: MAT FOOTING PLAN



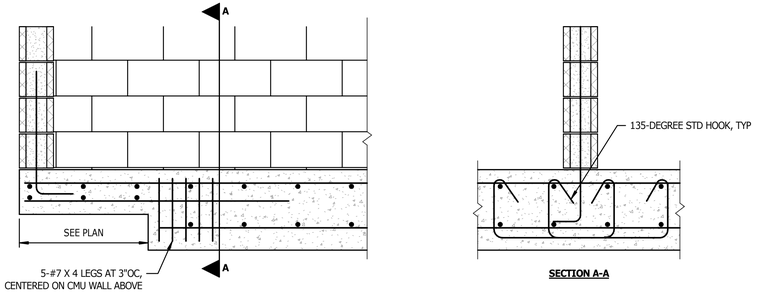
NOTE: HELICAL PIERS NOT SHOWN FOR CLARITY

1 / 3S3.4 SECTION
3/4" = 1'-0"



NOTE: HELICAL PIERS NOT SHOWN FOR CLARITY

2 / 3S3.4 SECTION
3/4" = 1'-0"



3 / 3S3.4 SECTION
3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER CORWIN COVINGTON IV

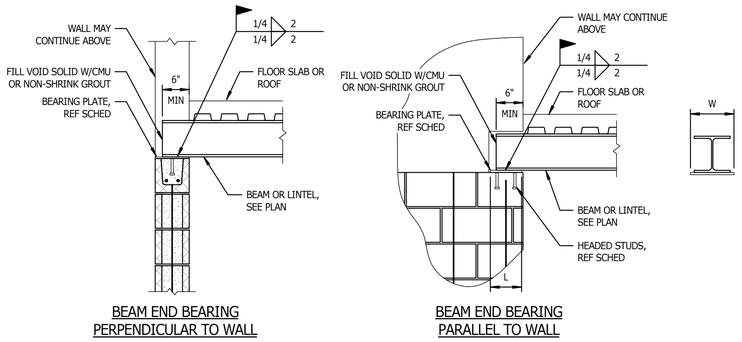
07/07/2023

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S3.4
Checked By: MBC	

Sheet Title
MAT FOOTING SECTIONS



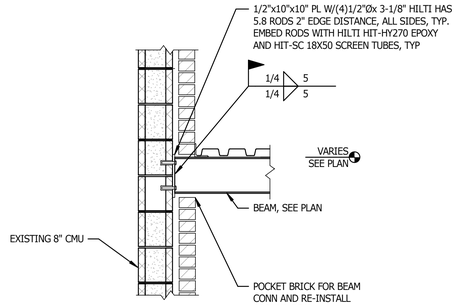
BEAM END BEARING PERPENDICULAR TO WALL

BEAM END BEARING PARALLEL TO WALL

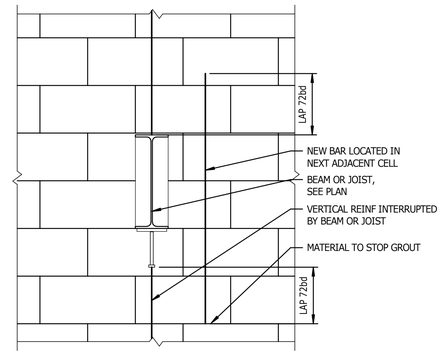
BEARING PLATE SCHEDULE				
BEAM	PL THICKNESS	PL WIDTH "W"	PL LENGTH "L"	# OF 1/2"ø x 6" HEADED STUDS
W8	3/8"	8"	7"	2
HSS8	1/2"	8"	7"	2

NOTE: AT ALL LOCATIONS WHERE A BEAM IS SHOWN CONTINUOUS OVER AN INTERIOR 8" CMU WALL, THE BEAM SHALL BEAR UPON THE WALL WITH SIMILAR BEARING PLATE AND HEADED STUD ASSEMBLY AS INDICATED FOR END BEARING.

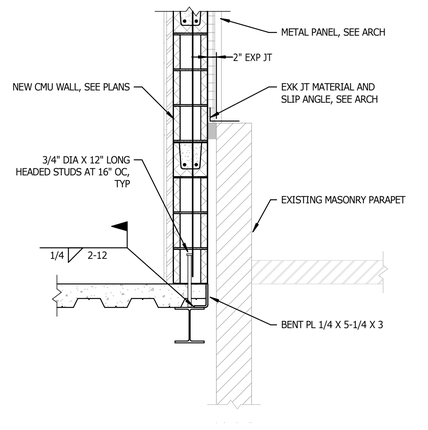
7 TYPICAL STEEL BEAM BEARING DETAILS
3S4.2 NTS



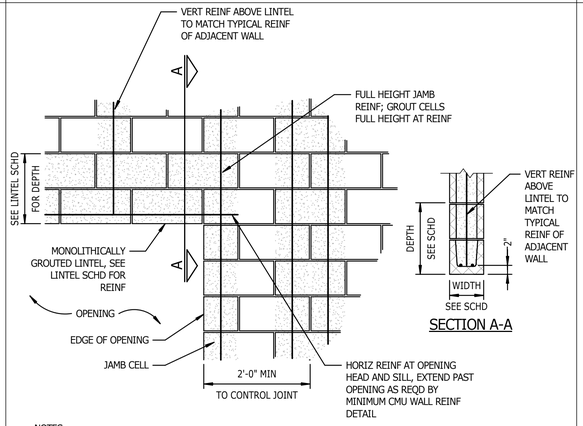
4 TYPICAL DRIVEWAY ROOF BEAM ATTACHMENT
3S4.2 NTS



1 TYPICAL INTERRUPTED REINFORCING
3S4.2 NTS



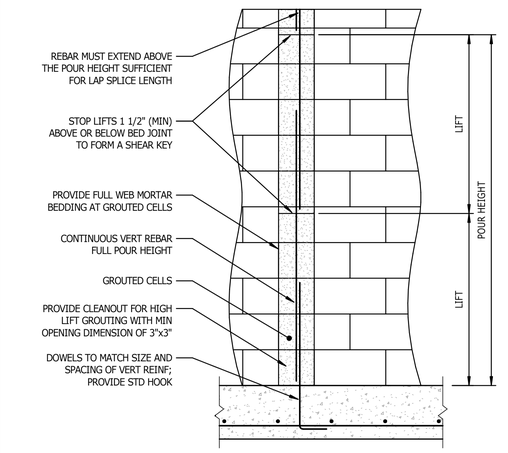
8 SECTION
3S4.2 3/4" = 1'-0"



SECTION A-A

NOTES:
1. TYPICAL WALL REINFORCING AND CONTROL JOINT REINFORCING NOT SHOWN FOR CLARITY.

5 TYPICAL LINTEL|JAMB CONSTRUCTION
3S4.2 NTS

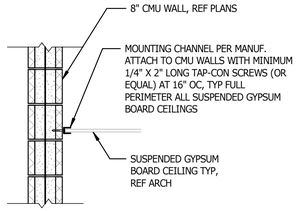


GENERAL GROUTING REQUIREMENTS:
1. ALL REINFORCED CELLS SHALL BE GROUTED SOLID.
2. REINFORCING BARS SHALL BE IN PROPER POSITION PRIOR TO PLACEMENT OF GROUT, NOT PUSHED DOWN INTO PREVIOUSLY PLACED GROUT. SAME REQUIREMENT APPLIES FOR EMBEDDED BOLTS AND FASTENERS.
3. MORTAR BEDDING UNDER THE FIRST COURSE OF BLOCK CELLS TO BE GROUTED SHALL PERMIT GROUT TO COME INTO DIRECT CONTACT WITH FOUNDATION.
4. PLACE MORTAR ON CROSS WEBS ADJACENT TO ALL GROUTED CELLS.
5. MORTAR THAT PROJECTS MORE THAN 1/2" INTO CELLS THAT ARE TO BE GROUTED SHALL BE REMOVED.
6. GROUTED CELLS SHALL BE MECHANICALLY VIBRATED DURING PLACEMENT OF GROUT. TEN MINUTES AFTER PLACING GROUT, EACH GROUTED CELL SHALL BE RECONSOLIDATED WITH A VIBRATOR.
7. METAL LATH SHALL BE PLACED UNDER ALL BOND BEAMS IN ORDER TO CONTAIN GROUT. FELT OR OTHER BOND BREAKING MATERIAL IS NOT PERMITTED. AS AN ALTERNATIVE TO THIS, "U"-SHAPED LINTEL BLOCKS MAY BE USED FOR BOND BEAMS.
8. EITHER LOW LIFT GROUTING OR HIGH LIFT GROUTING PROCEDURES MAY BE UTILIZED, AT THE CONTRACTOR'S OPTION.

LOW LIFT GROUTING PROCEDURE:
1. LAY WALL TO MAXIMUM OF 5'-0".
2. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
3. PLACE REINFORCING BARS IN PROPER POSITION.
4. PLACE GROUT UP TO LIFT HEIGHT AND VIBRATE.

HIGH LIFT GROUTING PROCEDURE:
1. CLEANOUT OPENINGS SHALL BE PROVIDED IN THE FACE SHELLS OF THE BOTTOM COURSE OF ALL CELLS TO BE GROUTED. OPENINGS SHALL BE LARGE ENOUGH TO ALLOW REMOVAL OF DEBRIS.
2. LAY WALL TO MAXIMUM POUR HEIGHT AND CLEAN DEBRIS FROM OPENINGS. PLACE REINFORCING BARS IN PROPER POSITION.
3. CLEAN MORTAR AND OTHER DEBRIS FROM CELLS TO BE GROUTED.
4. MASONRY SHALL CURE A MINIMUM OF 4 HOURS PRIOR TO GROUTING.
5. PLACE GROUT TO THE FOLLOWING HEIGHTS: MAXIMUM LIFT HEIGHT IS 5'-0"; MAXIMUM POUR HEIGHT IS 12'-0" UNLESS EXPRESSLY COORDINATED WITH THE STRUCTURAL ENGINEER.
6. AFTER THE LIFT IS POURED, VIBRATE TO ELIMINATE ALL AIR VOIDS. WAIT BETWEEN 3 AND 10 MINUTES, THEN RECONSOLIDATE BY VIBRATING AGAIN. CONTINUE THIS PROCEDURE FOR FULL POUR HEIGHT. RECONSOLIDATE THE PRIOR LIFT BY EXTENDING THE VIBRATOR THROUGH THE CURRENT LIFT INTO THE PREVIOUS LIFT.
7. GROUT SLUMP MUST BE MAINTAINED BETWEEN 10 AND 11 INCHES FOR HIGH LIFT GROUTING.

2 TYPICAL MASONRY GROUT REQUIREMENTS
3S4.2 NTS



6 TYPICAL GYPSUM CEILING AT CMU WALL
3S4.2 3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET, SUITE 1100, RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043141 MATTHEW B. CONVINGTON

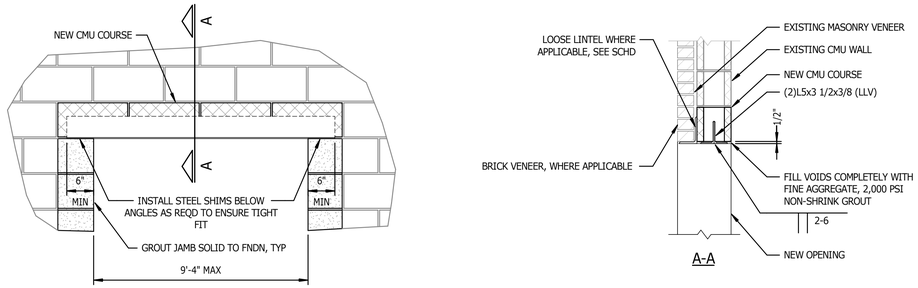
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

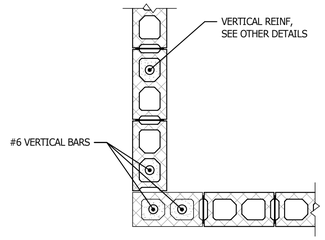
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S4.2
Checked By: MBC	

Sheet Title: CMU DETAILS



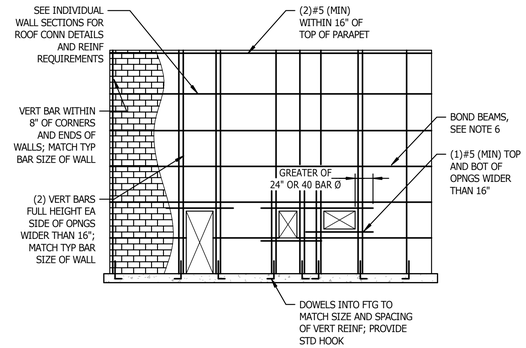
NOTES:
1. CONTRACTOR SHALL SHORE EXISTING WALL UNTIL ANGLES ARE INSTALLED AND GROUT HAS SET FOR AT LEAST 3 DAYS.

7 / 3S4.3 TYPICAL NEW OPENING IN EXISTING 8" CMU WALL
NTS



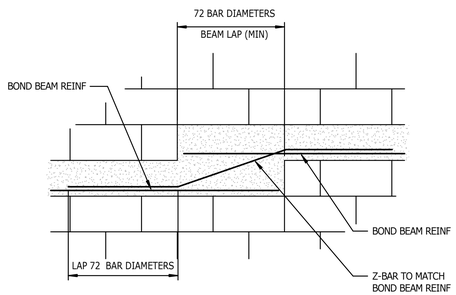
NOTES:
1. PROVIDE DOWELS TO FOUNDATION MATCHING SIZE OF VERTICAL REINFORCING, TYPICAL. SEE GENERAL NOTES OR MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE FOR LAP REQUIREMENTS.
2. SEE 6/3S4.3 FOR HORIZTONAL BAR REQUIREMENTS AT WALL CORNERS

4 / 3S4.3 TYPICAL VERT BARS AT WALL CORNER
NTS

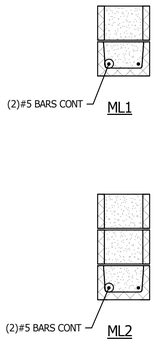


NOTES:
1. REINFORCING SHOWN IS A MINIMUM REQUIREMENT, INDIVIDUAL WALL SECTION REINFORCING REQUIREMENTS (SUCH AS NUMBER OR SIZE OF BARS) SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SHOWN HEREIN. SEE INDIVIDUAL WALL SECTIONS AND SCHEDULES FOR VERTICAL REINFORCING REQUIREMENTS.
2. ALL DISCONTINUOUS REINFORCEMENT SHALL BE LAPPED PER MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE.
3. VERTICAL STEEL MUST BE SECURED IN PLACE BEFORE THE BLOCKS ARE LAID. ALL VERTICAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH MASONRY LINTELS AND BOND BEAMS, UNO.
4. AT OPENINGS WHERE STEEL BEAM LINTELS ARE PROVIDED, REINFORCE THE JAMB CELL TO THE BEARING ELEVATION OF THE LINTEL, AND REINFORCE THE NEXT ADJACENT CELL PAST THE END OF THE BEAM FULL HEIGHT AS SHOWN IN THIS DETAIL.
5. DETAIL DOES NOT APPLY TO INTERIOR NON-LOAD BEARING PARTITION WALLS.
6. PROVIDE 8" DEEP BOND BEAMS WITH (2)#5 CONTINUOUS @32"OC VERTICALLY.
7. PROVIDE MINIMUM VERTICAL REINFORCING UNLESS NOTED OTHERWISE ON DRAWINGS: #5@48"OC FOR 8" CMU, #5@24"OC FOR 12" CMU.

1 / 3S4.3 MINIMUM WALL REINFORCING
NTS

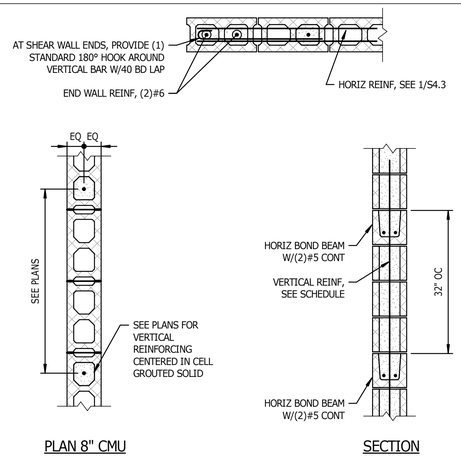


11 / 3S4.3 TYPICAL STEP IN BOND BEAM
NTS

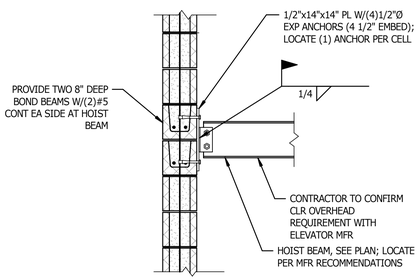


NOTES:
1. FOR LINTELS IN CMU WALLS, MATCH CORRESPONDING WALL WIDTH.
2. 1" MINIMUM CLEAR SPACE SHALL BE PROVIDED AROUND ALL REINFORCING.
3. WALL ABOVE LINTEL SHALL BE REINFORCED VERTICALLY SIMILAR TO WALL ON EITHER SIDE OF LINTEL.
4. HORIZONTAL REINFORCING SHALL EXTEND BEYOND EDGE OF OPENING PER LINTEL/JAMB REINFORCING DETAILS.
5. ALL EXTERIOR LINTELS SHALL BE HOT-DIPPED GALVANIZED.
6. STEEL FABRICATOR TO INSTALL WIRE TIES TO BEAM DURING LINTEL FABRICATION. COORDINATE LOCATION AND SPACING WITH MASONRY CONTRACTOR.

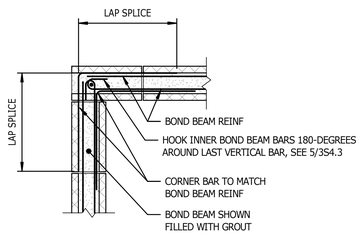
8 / 3S4.3 TYPICAL LOAD BEARING LINTELS
NTS



5 / 3S4.3 TYPICAL WALL REINFORCING
NTS



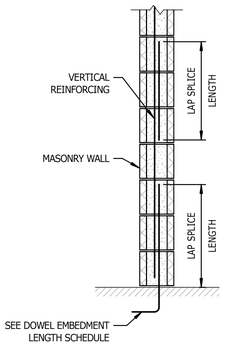
12 / 3S4.3 TYPICAL HOIST BEAM
NTS



NOTE: SEE 4/3S4.3 FOR VERTICAL BARS AT WALL CORNERS

6 / 3S4.3 TYPICAL HORIZ BARS AT WALL CORNER
NTS

MINIMUM SPLICE AND EMBEDMENT LENGTH SCHEDULE	
BAR SIZE	LAP SPLICE
#3	27"
#4	36"
#5	45"
#6	54"
#7	63"
#8	72"



3 / 3S4.3 MASONRY REINFORCING SPLICE SCHEDULE
NTS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 [P] 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER S-5141 045141 KYRAN COVINGTON

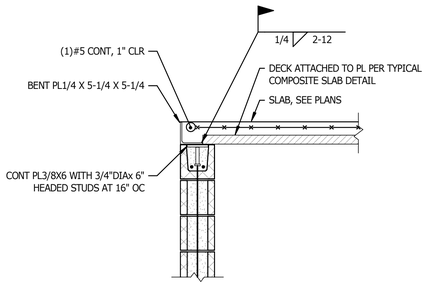
07/07/2023

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

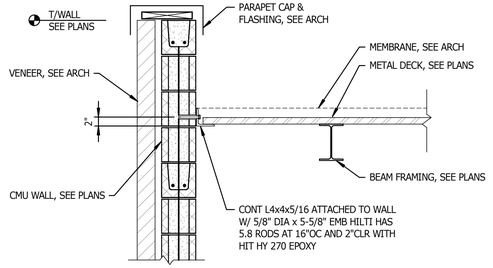
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S4.3
Checked By: MBC	

Sheet Title: CMU DETAILS



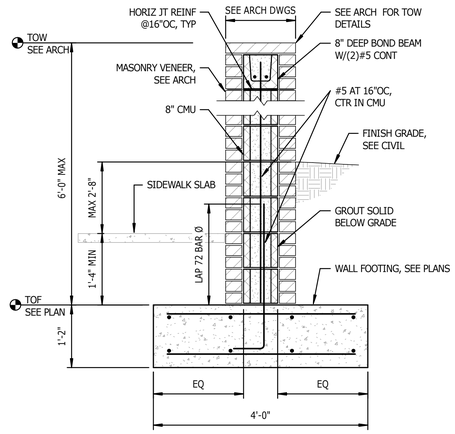
10 3S4.4 TYP CONNECTION SLAB TO TOP OF CMU WALL

3/4" = 1'-0"



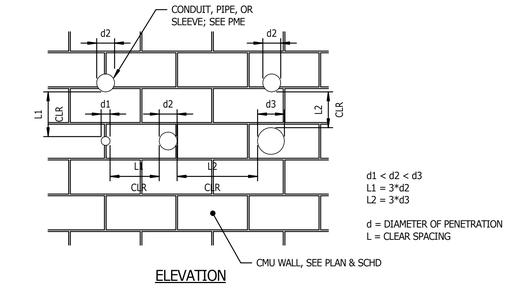
7 3S4.4 TYP ROOF DECK TO SIDE OF PARALELL WALL

3/4" = 1'-0"



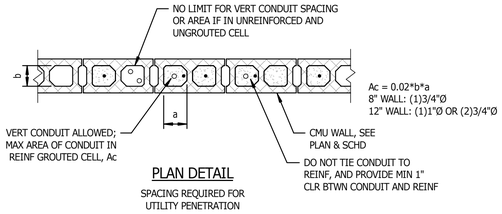
4 3S4.4 TYPICAL CMU SEAT WALL

NTS



ELEVATION

SPACING REQUIRED FOR UTILITY PENETRATION



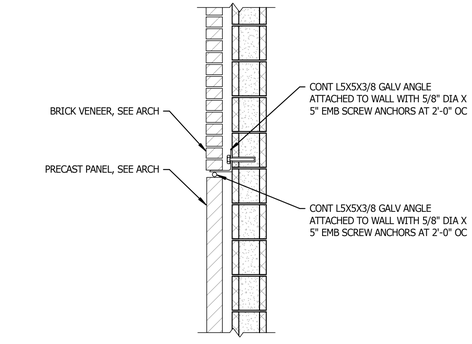
PLAN DETAIL

SPACING REQUIRED FOR UTILITY PENETRATION

NOTES:
1. REFER TO PME DRAWINGS FOR ALL TELECOM, CONDUIT, AND PIPES 8"Ø AND SMALLER. CONTRACTOR TO FOLLOW DETAIL SPACING REQUIREMENTS FOR LAYOUT. IF SPACING CANNOT BE MAINTAINED, PENETRATIONS MUST BE GROUPED BELOW CMU LINTEL. SEE ADDITIONAL TYPICAL DETAILS.
2. CONDUITS SHALL NOT PENETRATE BOND BEAMS NOR LINTELS.
3. PIPES WITH LIQUID, GAS, OR VAPORS HIGHER THAN 150°F ARE NOT PERMITTED VERTICALLY WITHIN WALLS.
4. PIPES WITH PRESSURE IN EXCESS OF 55 PSI ARE NOT PERMITTED VERTICALLY WITHIN WALLS.
5. PIPES WITH WATER OR LIQUID SUBJECT TO FREEZING ARE NOT PERMITTED VERTICALLY WITHIN WALLS.

1 3S4.4 ALLOWABLE WALL CONDUIT PENETRATIONS

NTS

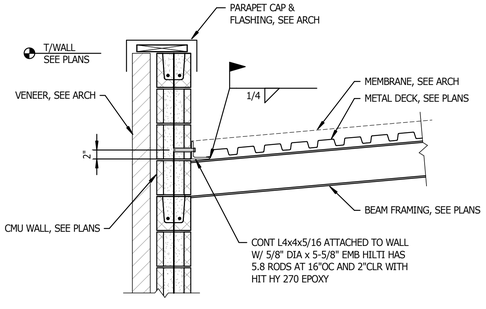


11 3S4.4 TYP CONNECTION SLAB TO ONE SIDE OF CMU WALL

3/4" = 1'-0"

8 3S4.4 TYP CONNECTION SLAB TO TWO SIDES OF CMU WALL

3/4" = 1'-0"

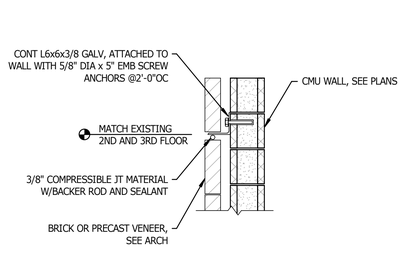


5 3S4.4 TYP ROOF DECK TO TOP OF INTERIOR WALL DETAIL

NTS

12 3S4.4 TYP HEAD OF PRECAST PANEL

3/4" = 1'-0"

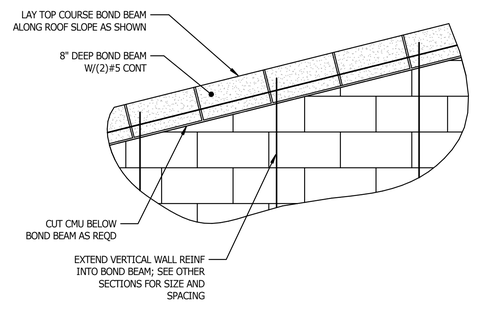


9 3S4.4 TYPICAL BRICK RELIEF DET

3/4" = 1'-0"

6 3S4.4 TYP ROOF DECK CONN TO SIDE OF PERP WALL

3/4" = 1'-0"



3 3S4.4 TYPICAL SLOPED BOND BEAM

NTS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRYAN COVINGTON

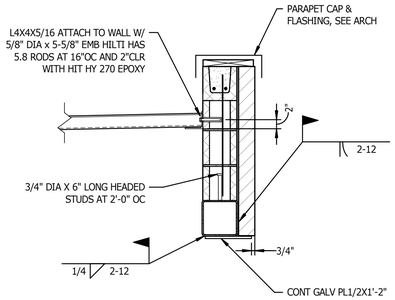
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

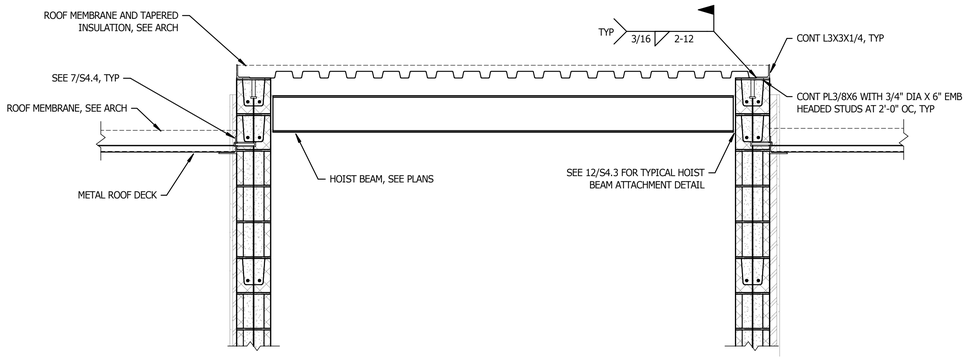
Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S4.4
Checked By: MBC	

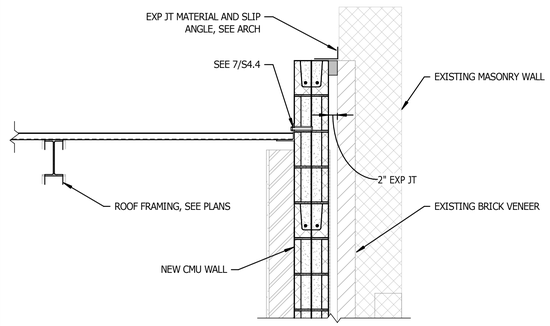
Sheet Title
CMU DETAILS



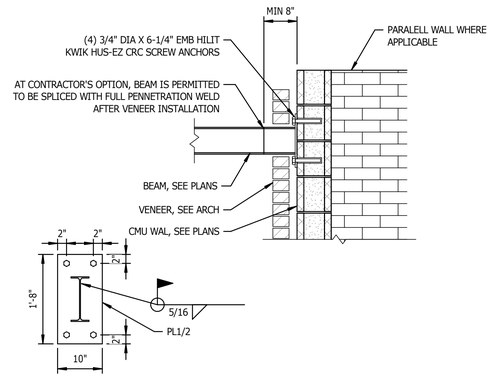
10 3S4.5 **SECTION**
3/4" = 1'-0"



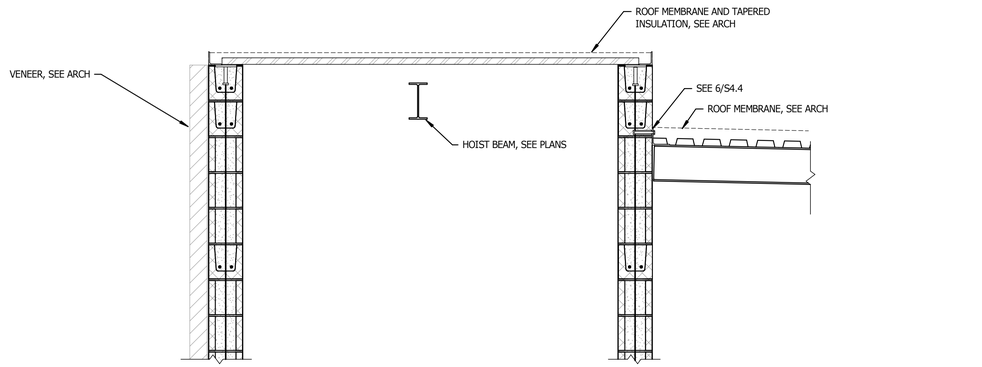
4 3S4.5 **SECTION**
3/4" = 1'-0"



1 3S4.5 **SECTION**
3/4" = 1'-0"

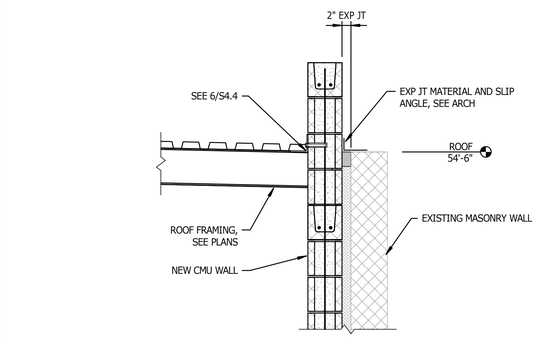


11 3S4.5 **TYP CANOPY BEAM TO CMU WALL**
NTS

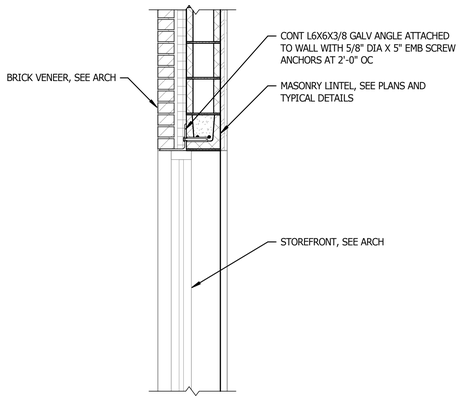


NOTES:
1. FOR DETAILS NOT NOTED, SEE SECTION 4/S4.5

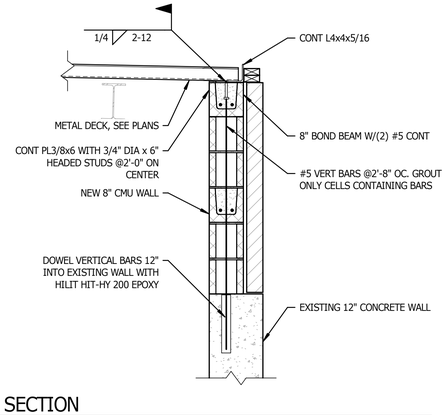
5 3S4.5 **SECTION**
3/4" = 1'-0"



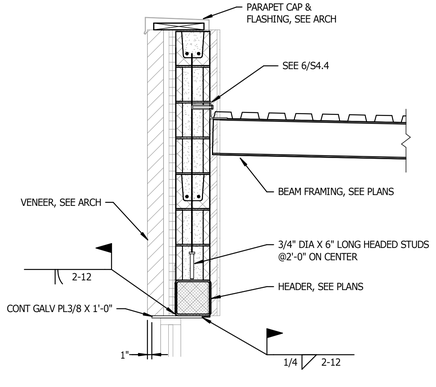
2 3S4.5 **SECTION**
3/4" = 1'-0"



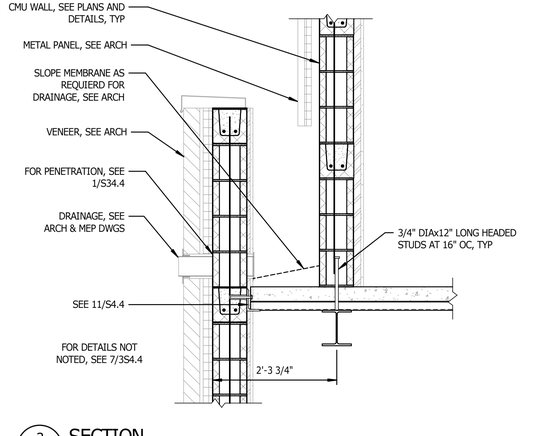
12 3S4.5 **SECTION**
3/4" = 1'-0"



9 3S4.5 **SECTION**
3/4" = 1'-0"



6 3S4.5 **SECTION**
3/4" = 1'-0"



3 3S4.5 **SECTION**
3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2300
205 W. Martin St. Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1200
RALEIGH, NC 27603
T 919.380.8750
FSH# 1.0000.0000
PROJECT 520989

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER BRIAN COVINGTON

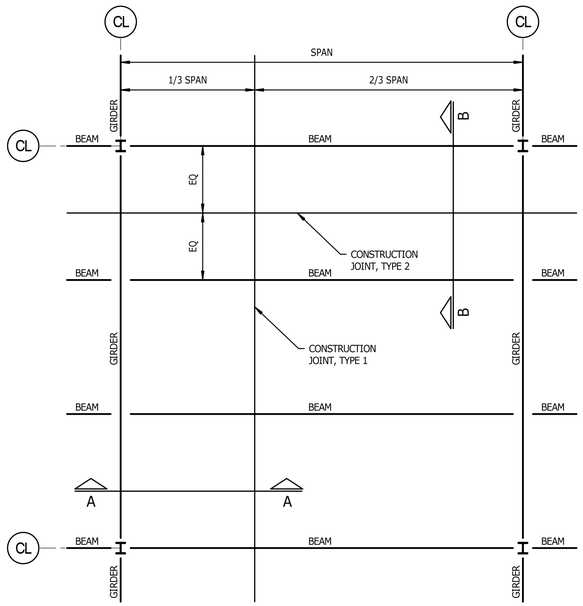
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

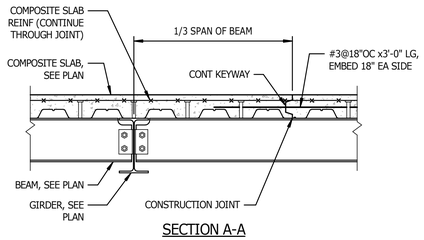
Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S4.5
Checked By: MBC	

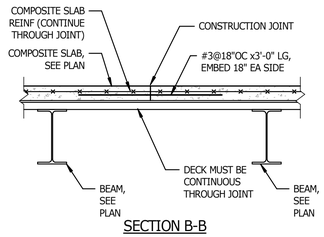
Sheet Title
CMU DETAILS



PLAN



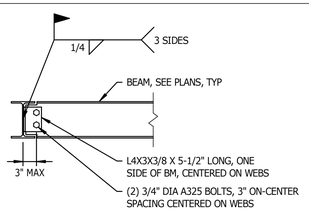
SECTION A-A
(TYPE 1 JOINT)



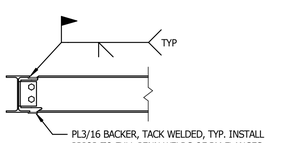
SECTION B-B
(TYPE 2 JOINT)

NOTES:
1. CONTRACTOR SHALL SUBMIT LOCATION OF ALL CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION AND FABRICATION.

7 TYPICAL JOINTS IN COMPOSITE SLABS
3S5.1 NTS



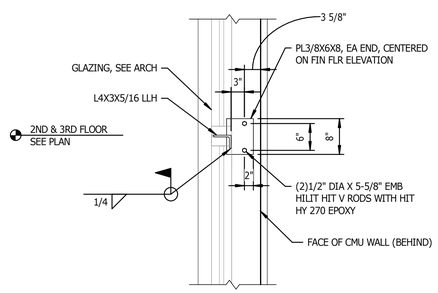
SIMPLE SHEAR



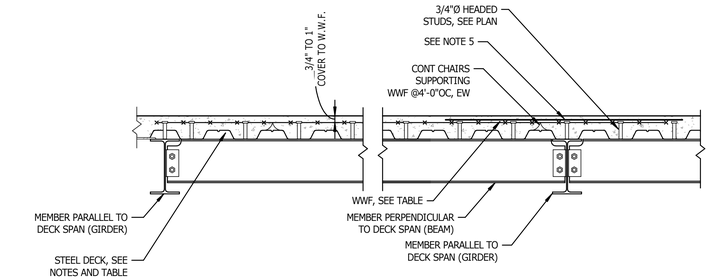
NOTE: SEE ABOVE FOR DETAILS NOT NOTED

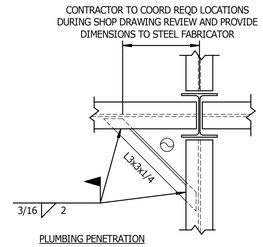
SHEAR & MOMENT

12 TYPICAL W8 TO W8 CONNECTIONS
3S5.1 NTS



9 SECTION
3S5.1 3/4" = 1'-0"





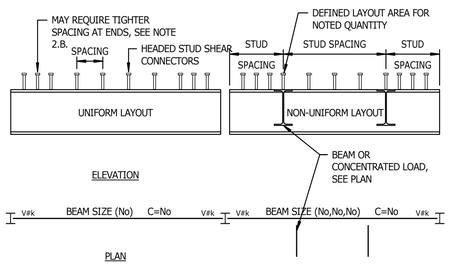
PLUMBING PENETRATION

COMPOSITE FLOOR CONSTRUCTION DETAIL

NOTES:
1. THIS DETAIL APPLIES TO DECK SUPPORTED COMPOSITE SLABS, AS INDICATED ON PLANS.
2. WELD DECK TO SUPPORTS PER FLOOR DECKING ATTACHMENT DETAIL.
3. COMPOSITE SLABS HAVE BEEN DESIGNED AS "UNSHORED CONSTRUCTION".
4. DECK SHALL BE CONTINUOUS OVER (2) OR MORE SPANS, TYPICAL. IF A SINGLE SPAN CONDITION IS REQUIRED AND SUPPORT BEAM SPACING EXCEEDS VALUE IN TABLE, CONTRACTOR SHALL SHORE AREA.
5. PROVIDE #4@12"OC x6'-0" LONG TOP BARS CENTERED OVER ALL GIRDERS RUNNING PARALLEL TO DECK SPAN. PLACE BARS OVER WWF AND PROVIDE 3/4" MINIMUM COVER. PROVIDE SUPPORT CHAIRS @4'-0"OC EACH WAY. ROTATE CHAIRS IF REQUIRED TO FIT IN SLAB THICKNESS.
6. THE CONTRACTOR SHALL ASSUME CONCRETE OVERAGES IN ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS. UNLESS SHOWN ON PLANS, BEAMS ARE NOT CAMBERED. CONCRETE OVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING L/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER SDI.
7. SUPPORT DECK AROUND COLUMNS WITH COLUMN CLOSURE. WHERE PLUMBING LINES ARE ADJACENT TO COLUMNS, PROVIDE ANGLES TO SUPPORT DECK PER PLUMBING PENETRATION DETAIL.
8. CONCRETE SLAB TO BE POURED FLAT WHICH WILL RESULT IN VARYING SLAB THICKNESS WHICH SHALL BE INCLUDED IN CONCRETE QUANTITIES.

MINIMUM COMPOSITE STEEL DECK PROPERTIES						
DEPTH	GAGE	Ip	In	Sp	Sn	Fy
2"	20 GA	0.409 in⁴/ft	0.406 in⁴/ft	0.341 in³/ft	0.346 in³/ft	50 ksi

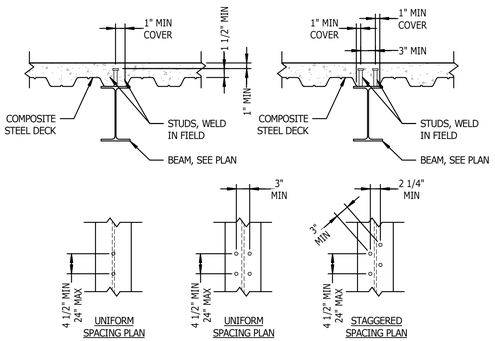
MINIMUM UNSHORED COMPOSITE STEEL DECK SPANS									
SLAB TYPE	TOTAL DEPTH	DECK DEPTH	DECK GAGE	CONC WEIGHT	SINGLE SPAN	TWO SPAN	THREE SPAN	FIRE RATING RESTRAINED	WWF
S1	5 1/4"	2"	20 GA	LWC	9'-3"	10'-3"	10'-7"	2HR	6x6-W1.4xW1.4



PLAN

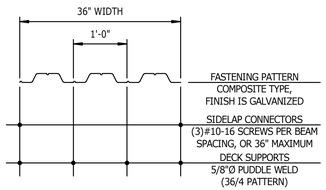
STUD LAYOUT

NOTES:
1. ALL STUDS SHALL BE FIELD WELDED TO CENTERLINE OF BEAMS, UNO.
2. UNIFORM LAYOUT:
   A. METAL DECK IS PARALLEL WITH BEAM - UNIFORMLY SPACE ALL STUDS EQUALLY ALONG THE ENTIRE LENGTH OF BEAM. FOLLOW MAXIMUM AND MINIMUM SPACING NOTED.
   B. METAL DECK IS PERPENDICULAR TO BEAM - TAKE THE TOTAL QUANTITY OF STUDS NOTED AND COMPARE TO THE NUMBER OF RIBS IN THE DECK. IF THE QUANTITY IS LESS THAN THE NUMBER OF RIBS, THEN LOCATE ONE STUD IN EVERY OTHER RIB ALONG THE LENGTH OF THE BEAM. THEN, STARTING AT THE SECOND RIB FROM THE END AT BOTH ENDS OF THE BEAM, LAYOUT THE REMAINING STUDS IN THE OPEN RIBS WORKING YOUR WAY TOWARD THE CENTER. YOU WILL END UP WITH A TIGHTER SPACING NEAR THE SUPPORTS.IF THE QUANTITY OF STUDS EXCEED THE NUMBER OF RIBS, THEN A DOUBLE ROW OF STUDS WILL BE REQUIRED NEAR THE ENDS OF THE BEAM. LOCATE ONE STUD IN EACH RIB ALONG THE LENGTH OF THE BEAM, KEEPING IN MIND THE CLEARANCES FOR A DOUBLE STUD INSTALLATION NEAR THE ENDS. THEN LOCATE THE ADDITIONAL STUDS STARTING AT THE FIRST RIB FROM THE SUPPORT AS A DOUBLE STUD INSTALLATION, WORKING YOUR WAY TOWARD THE CENTER FROM BOTH ENDS. IF DOUBLE STUDS ARE REQUIRED, FLANGE THICKNESS TO BE 5/16" OF THICKER. INCREASE BEAM SIZE IF NEEDED TO MEET MINIMUM SLAB THICKNESS.
3. NON-UNIFORM LAYOUT:
   A. METAL DECK IS PARALLEL WITH BEAM - UNIFORMLY SPACE THE NOTED QUANTITY OF STUDS EQUALLY BETWEEN TWO FRAMING BEAMS OR CONCENTRATED LOADS BOUNDING THE AREA. FOLLOW MAXIMUM AND MINIMUM SPACINGS NOTED. ADDITIONAL STUDS MAY BE NEEDED TO MEET THE MAXIMUM STUD SPACING.
   B. METAL DECK IS PERPENDICULAR TO BEAM - FOLLOW THE SAME PROCEDURE NOTED IN ITEM 2.B. ABOVE. HOWEVER, THE LAYOUT OF THE STUDS FOR EACH QUANTITY IS LOCATED BETWEEN TWO FRAMING BEAMS OR CONCENTRATED LOADS BOUNDING THE AREA.
4. "(No)" INDICATES NUMBER OF SHEAR STUDS REQUIRED FOR ENTIRE BEAM LENGTH IF ONLY ONE QUANTITY IS NOTED. IF MULTIPLE QUANTITIES ARE NOTED, THEN NON-UNIFORM SPACING WILL BE REQUIRED.
5. "V#k" INDICATES STEEL BEAM DESIGN END REACTION IN KIPS. LOADS PROVIDED ARE FOR STRENGTH DESIGN (LRFD). WHERE REACTIONS ARE OMITTED ON PLAN, THE CONNECTION ENGINEER SHALL DESIGN FOR THE MINIMUM REACTIONS SHOWN IN THE TABLE HEREIN.
6. "C=No" INDICATES REQUIRED BEAM CAMBER IN INCHES.



STUD CLEARANCES AND SPACING

NOTES:
1. BEAM PARALLEL TO DECK CONDITION SHOWN. BEAM PERPENDICULAR TO DECK CONDITION IS SIMILAR WITH STUDS AT FLUTES OF DECK ONLY.
2. WHEN DOUBLE ROW OF STUDS IS REQUIRED, USE A STAGGERED PATTERN IF SPACING PERMITS. SEE UNIFORM AND STAGGERED SPACING PLANS.



FLOOR DECK ATTACHMENT DETAIL

1 TYPICAL COMPOSITE SLAB DETAILS
3S5.1 NTS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for uses under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2300
205 W. Martin St. Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603
T 919.380.8750
FSW4 LICENSE #C-3251
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045141 MICHAEL B. CONNISTON JR.

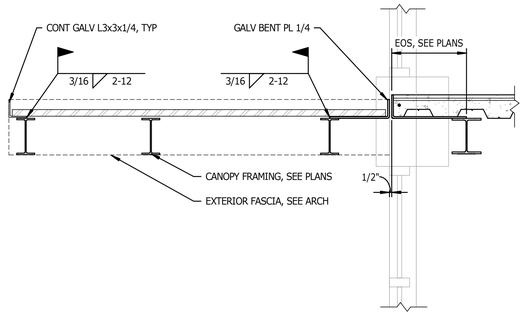
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

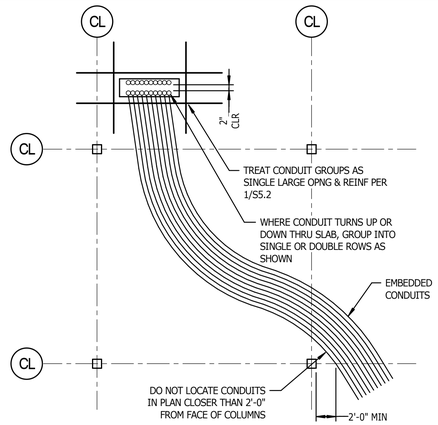
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No. 3S5.1
Checked By: MBC	

Sheet Title
STEEL FRAMING DETAILS

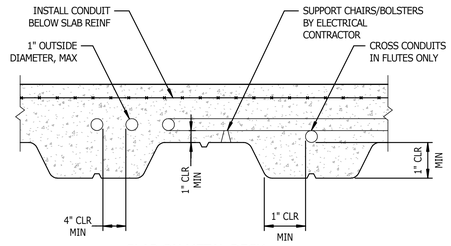


NOTES:
1. FOR DETAILS NOT NOTED, SEE SECTION 8/S5.2

10 / 3S5.2 SECTION
3/4" = 1'-0"

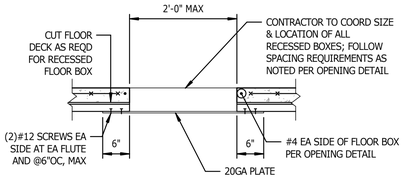


SLAB PLAN

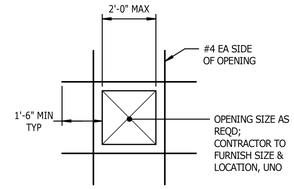


SLAB ON METAL DECK
DO NOT BUNDLE CONDUITS IN CONCRETE SLAB ON METAL DECK

4 / 3S5.2 TYPICAL CONDUIT WITHIN COMPOSITE SLABS
NTS

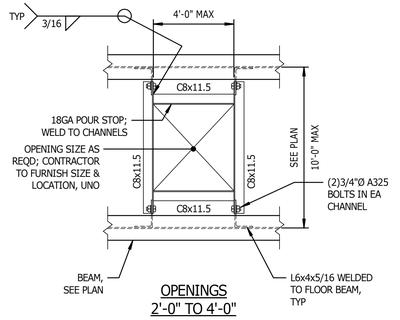


RECESSED FLOOR BOX



OPENINGS
10" TO 2'-0"

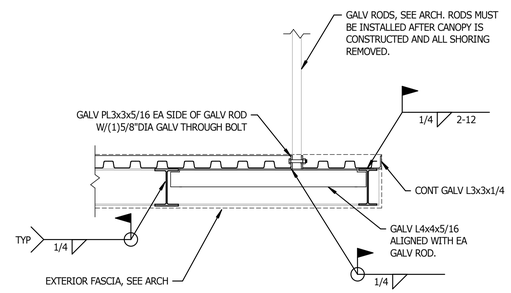
NOTES:
1. PROVIDE REINFORCING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS FROM 10"x10" (OR 10"Ø) TO 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 2'-0".
4. ALL OPENINGS 10" TO 2'-0" MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS.
5. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.



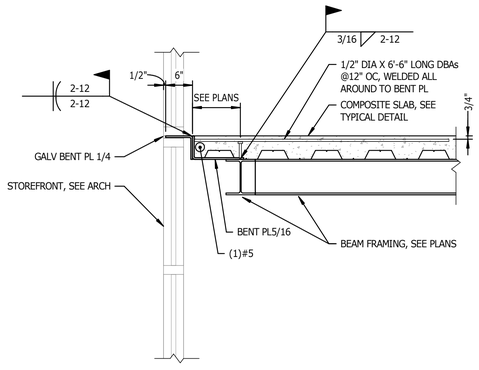
OPENINGS
2'-0" TO 4'-0"

NOTES:
1. PROVIDE CHANNEL FRAMING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS, FOR OPENINGS LARGER THAN 2'-0"x2'-0" (OR 24"Ø).
2. OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
3. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 1'-0".
4. OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

1 / 3S5.2 TYPICAL FRAMING AROUND SLAB OPENINGS
NTS

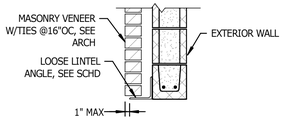


11 / 3S5.2 SECTION
3/4" = 1'-0"



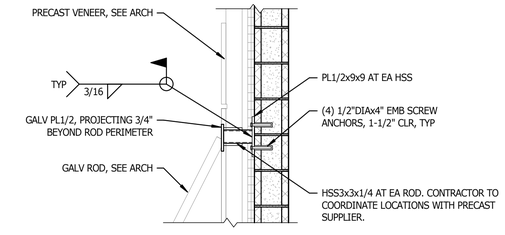
8 / 3S5.2 SECTION
3/4" = 1'-0"

STEEL LOOSE LINTEL ANGLE SUPPORTING MASONRY VENEER	
CLEAR OPENING	LOOSE LINTEL ANGLE
UP TO 5'-0"	L6x6x3/8

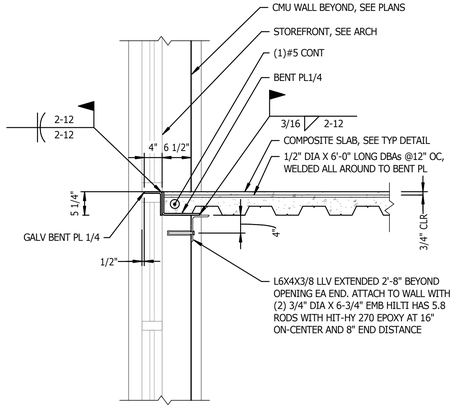


NOTES:
1. ALL LOOSE LINTELS SHALL BE PAINTED OR GALVANIZED, SEE ARCHITECTURAL DRAWINGS.
2. PROVIDE 6" MINIMUM BEARING FOR OPENINGS UP TO 8'-0" WIDE. PROVIDE 8" MINIMUM BEARING FOR OPENINGS OVER 8'-0" WIDE.
3. SEE ARCHITECTURAL DRAWINGS FOR ANGLE PLACEMENT AND FLASHING.
4. LOOSE LINTEL ANGLES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF OPENINGS REQUIRING ANGLES.
5. FOR CLEAR OPENING DIMENSIONS GREATER THAN THOSE SHOWN IN THE SCHEDULE, SEE OTHER DETAILS OR CONTACT THE ENGINEER OF RECORD.

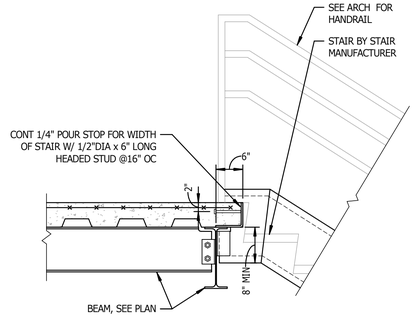
5 / 3S5.2 STEEL LOOSE LINTEL SCHEDULE
NTS



12 / 3S5.2 SECTION
3/4" = 1'-0"



9 / 3S5.2 SECTION
3/4" = 1'-0"



6 / 3S5.2 SECTION AT TOP OF STAIR
NTS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER JOHN CONNOR

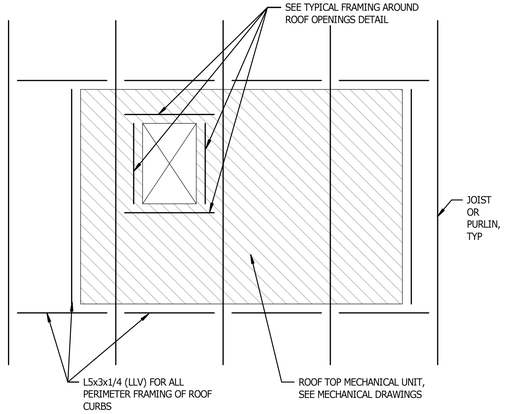
07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

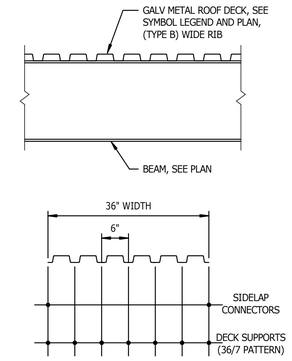
Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S5.2
Checked By: MBC	

Sheet Title
STEEL FRAMING DETAILS



NOTES:
1. ALL MEMBERS NOT SIZED ON FRAMING PLAN SHALL BE L5x3x1/4.

4 / 3S6.1 TYPICAL MECHANICAL RTU FRAMING
NTS

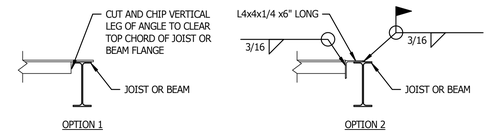


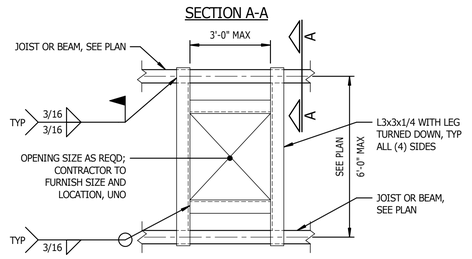
ROOF DECK ATTACHMENT DETAIL

NOTES:
1. ATTACH DECK TO SUPPORTING MEMBERS WITH 5/8" DIA PUDDLE WELDS. USE # 12-14 FOR SIDELAP ATTACHMENT.
2. AT DECK BEARING SUPPORTS, PROVIDE WELDS (36/7 PATTERN).
3. AT SUPPORTS PARALLEL TO DECK SPAN, PROVIDE WELDS @12"OC, TYPICAL.
4. AT DECK SIDELAPS/PERIMETER EDGE, PROVIDE WELDS @12"OC, TYPICAL.
5. DECK SECTION MINIMUM PROPERTIES: SEE TABLE BELOW.
6. DECK SHALL BE CONTINUOUS OVER (2) OR MORE SPANS, TYPICAL.
7. CONTRACTOR OPTION TO SUBMIT MECHANICAL FASTENERS BY HILTI, SIMPSON STRONG-TIE, OR APPROVED EQUAL. SUBSTITUTION REQUESTS FOR PRODUCTS MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD (EOR) FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS THAT MEET THE CODE REQUIREMENTS FOR DECK ATTACHMENT, POSSESS A FM GLOBAL APPROVAL AND POSSESS A CODE REPORT (ICC-ES) RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT. CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE EOR INDICATING TRAINING HAS TAKEN PLACE. FASTENERS SHALL BE COLLATED AND INSTALLED USING THE MANUFACTURER'S DELIVERY TOOL AND FOLLOWING MANUFACTURER'S INSTRUCTIONS.

DECK TYPE	DESIGN THICKNESS (in)	DECK WEIGHT (psf)	I_p (in⁴/ft)	S_p (in³/ft)	I_n (in⁴/ft)	S_n (in³/ft)	V_a (lbs/ft)	F_y (ksi)
B19	0.0418	2.49	0.246	0.277	0.260	0.289	2546	50
B22	0.0295	1.78	0.155	0.186	0.183	0.192	1818	50

1 / 3S6.1 TYPICAL 1 1/2" ROOF CONSTRUCTION
NTS





NOTES:
1. PROVIDE ANGLE FRAMING AROUND ALL OPENINGS LARGER THAN 10"x10" (10"Ø).

3 / 3S6.1 TYPICAL FRAMING AT 1 1/2" DECK OPENINGS
NTS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St. Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #C-1051
PROJECT 522089

PRELIMINARY NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 045141 ENGINEER JONATHAN COVINGTON

07/07/2023

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
07-07-2023	22006
Drawn By: VNA	Sheet No.: 3S6.1
Checked By: MBC	

Sheet Title
STEEL ROOF DETAILS

DEMO LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- (X) DEMOLITION KEYNOTE

GENERAL DEMOLITION NOTES

A. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.
B. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.
C. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.
D. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.
E. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WITH ALL TRADES.
F. ALL ASSOCIATED DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.
G. REFER TO SPECIFICATIONS FOR DEMOLITION REQUIREMENTS.
H. REMOVE ALL EXISTING BASE AND ALL RELATED ITEMS COMPLETELY IN ALL AREAS RECEIVING NEW FLOOR FINISHES. PATCH, CLEAN AND PREPARE EXISTING SUBSTRATE AS REQUIRED FOR RENOVATION WORK AND PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
I. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.
J. CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL IN THE WORK AREAS

DEMOLITION KEY NOTES (#)

1. CUT AND REMOVE PORTION OF EXISTING INTERIOR WALL AND ALL RELATED ITEMS COMPLETELY. COORDINATE WITH RENOVATION WORK.
2. REMOVE EXISTING INTERIOR WALL AND ALL RELATED ITEMS COMPLETELY.
3. REMOVE EXISTING EXTERIOR WALL AND ALL RELATED ITEMS COMPLETELY.
4. CUT AND REMOVE PORTION EXISTING EXTERIOR WALL AND ALL RELATED ITEMS COMPLETELY. COORDINATE WITH RENOVATION WORK.
5. REMOVE EXISTING DOOR, FRAME, AND ALL RELATED HARDWARE COMPLETELY.
6. REMOVE EXISTING FLOOR FINISHES AND BASE. CLEAN & PREP THE EXISTING FLOOR SLAB TO RECEIVE NEW FINISHES. PROVIDED FLOOR LEVELING AS REQUIRED TO INSURE SMOOTH FLOOR TRANSITIONS AFTER REMOVE OF EXISTING WALL.
7. REMOVE EXISTING EXTERIOR STOREFRONT , FRAME, AND ALL RELATED HARDWARE COMPLETELY. COORDINATE WITH RENOVATION WORK.
8. REMOVE EXISTING INTERIOR STOREFRONT, FRAME, AND ALL RELATED HARDWARE COMPLETELY WITH RENOVATION WORK. SALVAGE EXISTING DOORS AND FRAMES FOR REUSE.
9. REMOVE PORTION OF EXISTING MASONRY WALL UP TO DECK. PATCH EXISTING CONCRETE SLAB AFTER REMOVAL OF WALL. FIELD COORDINATE FINAL LOCATION OF REMOVAL BASE ON EXISTING CONDITIONS. ALL POWER AND CONTROLS FOR SUMP TO REMAIN ACTIVE AT ALL TIMES.
10. REMOVE EXISTING STAIRS AND ALL RELATED HARDWARE COMPLETELY.
11. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION & NEW DRAIN LINE FROM TRENCH DRAIN. SEE PME FOR ADDITIONAL WORK REQUIRED.
12. REMOVE ALL EXISTING RAMP DRAINS. MAINTAIN UNDERGROUND DRAIN LINES FOR NEW CONSTRUCTION USE. ALL OTHER ABANDONED DRAINS LINES TO BE REMOVED OR CAPPED
13. REMOVE EXISTING SIGN AND ALL RELATED COMPONENTS.
14. CUT OPENING IN EXISTING CONCRETE WALL AND BRICK VENEER FOR NEW EXTERIOR DOOR. BOTTOM OF DOOR TO BE FLUSH WITH STAIR LANDING.
15. REMOVE EXISTING CMU AND BRICK VENEER BELOW EXISTING STOREFRONT IN IT ENTIRETY. CLEAN AND PREP THE EXISTING FLOOR SLAB TO RECEIVE NEW FINISHES.
16. REMOVE EXISTING BOLLARDS AND FOOTINGS IN THEIR ENTIRETY.
17. REMOVE EXISTG ACCESS CONTROL STATION AND ALL ASSOCIATED COMPONENTS.
18. REMOVE PORTION OF EXISTING STEEL GUARDRAIL ON TOP OF EXISTING RETAINING WALL. KEEP PORTION IN FRONT OF NEW WALL AND ROOF WORK. PROVIDE NEW VERTICAL SUPPORT AT END TO SUPPORT EXISTING RAIL TO REMAIN.
19. REMOVE EXISTING BRICK ROWLOCK CAP ON EXISTING RETAINING WALL. CAP TO REMAIN IN ALL AREAS TO RECEIVE NEW CONSTRUCTION. REMOVE EXISTING CURB AND ASPHALT AS REQUIRED TO ACCESS TOP OF EXISTING RETAINING WALL. SEE STRUCTURAL DETAILS FOR REFERENCE.
20. REMOVE EXISTING STAIR FLOOR SLAB AS REQUIRED
21. REMOVE EXISTING OVERHEAD DOOR, FRAME, AND ALL RELATED HARDWARE COMPLETELY.
22. REMOVE EXISTING TOILETS FIXTURES AND ACCESSORIES AS REQUIRED. PATCH AND REPAIR WALL AS REQUIRED TO RECEIVE NEW FINISHES.
23. REMOVE EXISTING ELEVATOR DOOR AND FRAME. CLEAN ALL OPENING EDGES TO RECEIVE NEW RATED WALL INFILL
24. REMOVE EXISTING BRICK VENEER ON THIS WALL FACE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED WALL TIES AND REINFORCING AS REQUIRED TO ALLOW FRO CONSTRUCTION OF NEW MASONRY WALL. CUT EXISTING LINTEL ANGLE BACK TO FACE OF EXSTG MASONRY WALL
25. REMOVE EXISTING PARAPET WALL COPING SYSTEM. PROTECT EXISTING MEMBRANE ROOF AS REQUIRED TO KEEP BUILDING WATER TIGHT DURING RENOVATION WORK.
26. CORE DRILL FOR NEW ROOF DRAINS. COORDINATE LOCATION WITH ROOF PLAN AND PLUMBING PLAN.
27. REMOVE EXISTING SUSPENDED CEILING GIRD. SUPPORTS MAY BE SALVAGED FOR USE ON NEW SUSPENDED CEILING GRID SYSTEM.
28. REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED SUPPORT SYSTEMS AS REQUIRED . CLEAN ALL WALL EDGES AS NEEDED FOR INSTALLATION OF NEW SUSPENDED CEILING
29. REMOVE EXISTING WINDOW TREATMENTS AND ASSOCIATED ITEMS. CONFIRM SALVAGE WITH OWNER PRIOR TO REMOVAL.
30. REMOVE EXISTING STORM SHUTTER SYSTEM AND CONFIRM SALVAGE WITH OWNER PRIOR TO REMOVAL.
31. EXISTING FIBER OPTIC LOCATION. FIBER TO REMAIN IN PLACE UNTIL NEW FIBER OPTIC FEEDER PULLED AND ACTIVE. COODINATE WIHT OWNER.

FIRST FLOOR RCP DEMO
1/8" = 1'-0"

SECOND FLOOR RCP DEMO
1/8" = 1'-0"

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St. Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL FIRM CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

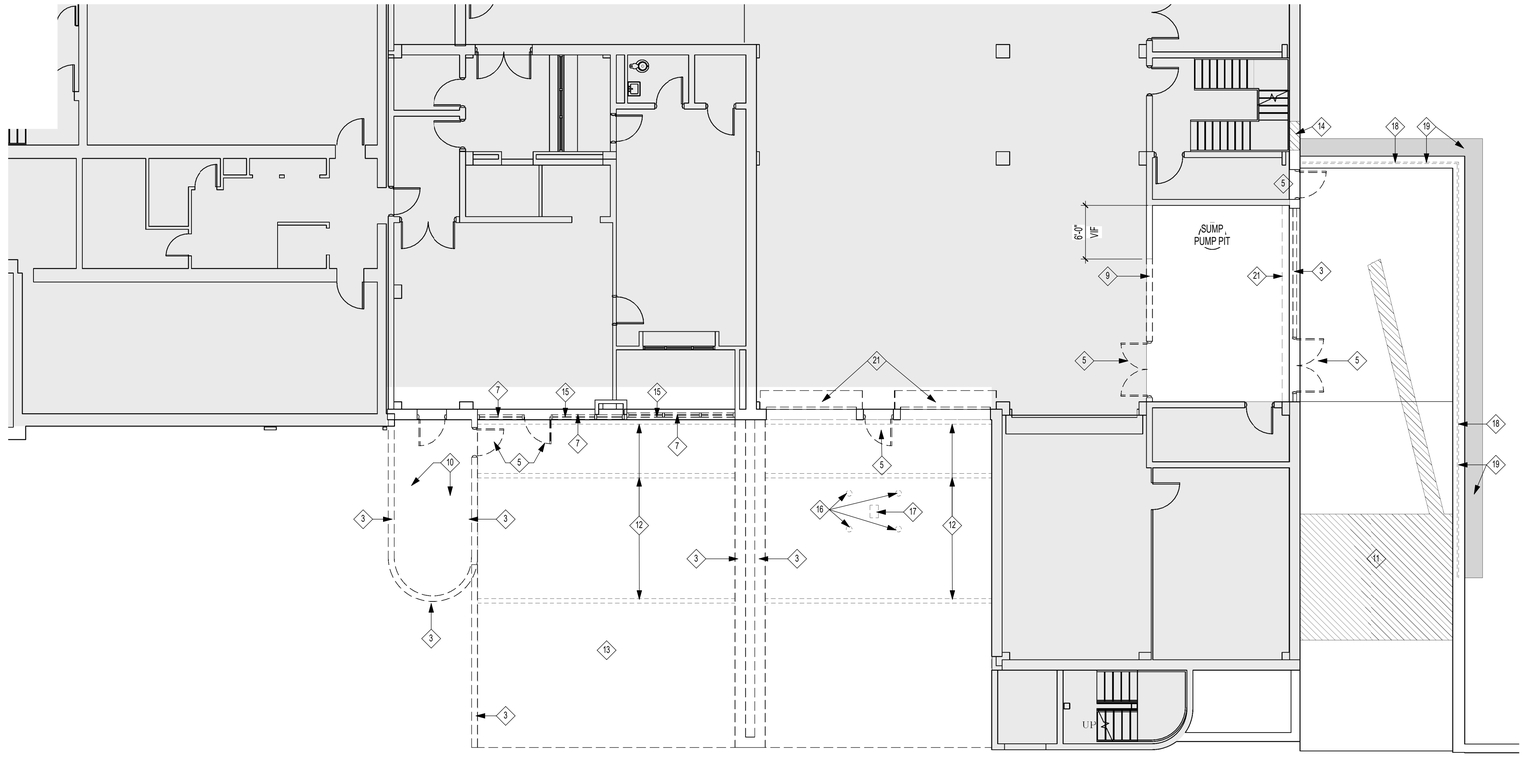
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

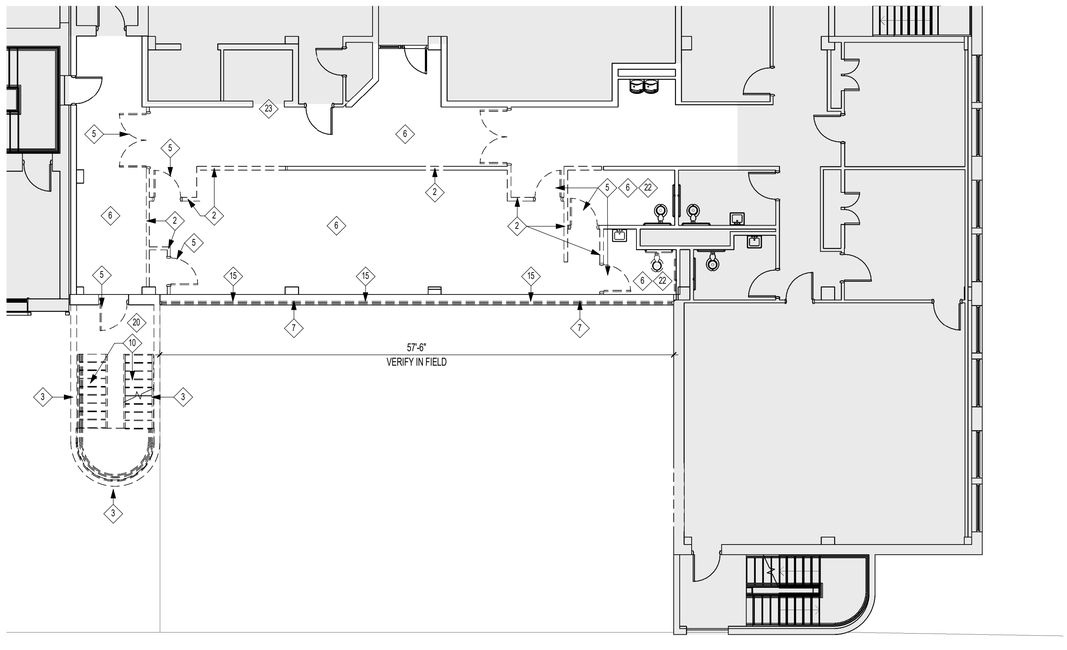
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No. 3D1.3
Checked By: TDO	

Sheet Title
FIRST & SECOND FLOOR RCP DEMOLITION PLANS



GROUND FLOOR - DEMOLITION

1/8" = 1'-0"



FIRST FLOOR - DEMOLITION

1/8" = 1'-0"

DEMO LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- X — DEMOLITION KEYNOTE

GENERAL DEMOLITION NOTES

A. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.
B. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.
C. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.
D. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.
E. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WITH ALL TRADES.
F. ALL ASSOCIATED DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.
G. REFER TO SPECIFICATIONS FOR DEMOLITION REQUIREMENTS.
H. REMOVE ALL EXISTING BASE AND ALL RELATED ITEMS COMPLETELY IN ALL AREAS RECEIVING NEW FLOOR FINISHES. PATCH, CLEAN AND PREPARE EXISTING SUBSTRATE AS REQUIRED FOR RENOVATION WORK AND PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
I. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.
J. CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL IN THE WORK AREAS

DEMOLITION KEY NOTES (#)

1. CUT AND REMOVE PORTION OF EXISTING INTERIOR WALL AND ALL RELATED ITEMS COMPLETELY. COORDINATE WITH RENOVATION WORK.
2. REMOVE EXISTING INTERIOR WALL AND ALL RELATED ITEMS COMPLETELY.
3. REMOVE EXISTING EXTERIOR WALL AND ALL RELATED ITEMS COMPLETELY.
4. CUT AND REMOVE PORTION EXISTING EXTERIOR WALL AND ALL RELATED ITEMS COMPLETELY. COORDINATE WITH RENOVATION WORK.
5. REMOVE EXISTING DOOR, FRAME, AND ALL RELATED HARDWARE COMPLETELY.
6. REMOVE EXISTING FLOOR FINISHES AND BASE. CLEAN & PREP THE EXISTING FLOOR SLAB TO RECEIVE NEW FINISHES. PROVIDED FLOOR LEVELING AS REQUIRED TO INSURE SMOOTH FLOOR TRANSITIONS AFTER REMOVE OF EXISTING WALL.
7. REMOVE EXISTING EXTERIOR STOREFRONT , FRAME, AND ALL RELATED HARDWARE COMPLETELY. COORDINATE WITH RENOVATION WORK.
8. REMOVE EXISTING INTERIOR STOREFRONT, FRAME, AND ALL RELATED HARDWARE COMPLETELY WITH RENOVATION WORK. SALVAGE EXISTING DOORS AND FRAMES FOR REUSE.
9. REMOVE PORTION OF EXISTING MASONRY WALL UP TO DECK. PATCH EXISTING CONCRETE SLAB AFTER REMOVAL OF WALL. FIELD COORDINATE FINAL LOCATION OF REMOVAL BASE ON EXISTING CONDITIONS. ALL POWER AND CONTROLS FOR SUMP TO REMAIN ACTIVE AT ALL TIMES.
10. REMOVE EXISTING STAIRS AND ALL RELATED HARDWARE COMPLETELY.
11. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION & NEW DRAIN LINE FROM TRENCH DRAIN. SEE PME FOR ADDITIONAL WORK REQUIRED.
12. REMOVE ALL EXISTING RAMP DRAINS. MAINTAIN UNDERGROUND DRAIN LINES FOR NEW CONSTRUCTION USE. ALL OTHER ABANDONED DRAINS LINES TO BE REMOVED OR CAPPED
13. REMOVE EXISTING SIGN AND ALL RELATED COMPONENTS.
14. CUT OPENING IN EXISTING CONCRETE WALL AND BRICK VENEER FOR NEW EXTERIOR DOOR. BOTTOM OF DOOR TO BE FLUSH WITH STAIR LANDING.
15. REMOVE EXISTING CMU AND BRICK VENEER BELOW EXISTING STOREFRONT IN IT ENTIRETY. CLEAN AND PREP THE EXISTING FLOOR SLAB TO RECEIVE NEW FINISHES.
16. REMOVE EXISTING BOLLARDS AND FOOTINGS IN THEIR ENTIRETY.
17. REMOVE EXISTG ACCESS CONTROL STATION AND ALL ASSOCIATED COMPONENTS.
18. REMOVE PORTION OF EXISTING STEEL GUARDRAIL ON TOP OF EXISTING RETAINING WALL. KEEP PORTION IN FRONT OF NEW WALL AND ROOF WORK. PROVIDE NEW VERTICAL SUPPORT AT END TO SUPPORT EXISTING RAIL TO REMAIN.
19. REMOVE EXISTING BRICK ROWLOCK CAP ON EXISTING RETAINING WALL. CAP TO REMAIN IN ALL AREAS TO RECEIVE NEW CONSTRUCTION. REMOVE EXISTING CURB AND ASPHALT AS REQUIRED TO ACCESS TOP OF EXISTING RETAINING WALL. SEE STRUCTURAL DETAILS FOR REFERENCE.
20. REMOVE EXISTING STAIR FLOOR SLAB AS REQUIRED
21. REMOVE EXISTING OVERHEAD DOOR, FRAME, AND ALL RELATED HARDWARE COMPLETELY.
22. REMOVE EXISTING TOILETS FIXTURES AND ACCESSORIES AS REQUIRED. PATCH AND REPAIR WALL AS REQUIRED TO RECEIVE NEW FINISHES.
23. REMOVE EXISTING ELEVATOR DOOR AND FRAME. CLEAN ALL OPENING EDGES TO RECEIVE NEW RATED WALL INFILL.
24. REMOVE EXISTING BRICK VENEER ON THIS WALL FACE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED WALL TIES AND REINFORCING AS REQUIRED TO ALLOW FRO CONSTRUCTION OF NEW MASONRY WALL. CUT EXISTING LINTEL ANGLE BACK TO FACE OF EXISTG MASONRY WALL
25. REMOVE EXISTING PARAPET WALL COPING SYSTEM. PROTECT EXISTING MEMBRANE ROOF AS REQUIRED TO KEEP BUILDING WATER TIGHT DURING RENOVATION WORK.
26. CORE DRILL FOR NEW ROOF DRAINS. COORDINATE LOCATION WITH ROOF PLAN AND PLUMBING PLAN
27. REMOVE EXISTING SUSPENDED CEILING GIRD. SUPPORTS MAY BE SALVAGED FOR USE ON NEW SUSPENDED CEILING GRID SYSTEM.
28. REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED SUPPORT SYSTEMS AS REQUIRED . CLEAN ALL WALL EDGES AS NEEDED FOR INSTALLATION OF NEW SUSPENDED CEILING
29. REMOVE EXISTING WINDOW TREATMENTS AND ASSOCIATED ITEMS. CONFIRM SALVAGE WITH OWNER PRIOR TO REMOVAL.
30. REMOVE EXISTING STORM SHUTTER SYSTEM AND CONFIRM SALVAGE WITH OWNER PRIOR TO REMOVAL.
31. EXISTING FIBER OPTIC LOCATION. FIBER TO REMAIN IN PLACE UNTIL NEW FIBER OPTIC FEEDER PULLED AND ACTIVE. COODINATE WIHT OWNER.

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. — REGISTERED ARCHITECTURAL CORPORATION — CERT NO. 50681 — NORTH CAROLINA — ROCKY MOUNT, NC

TIMOTHY D. OAKLEY — REGISTERED ARCHITECT — 50681 — NORTH CAROLINA — ROCKY MOUNT, N.C. — 07/07/23

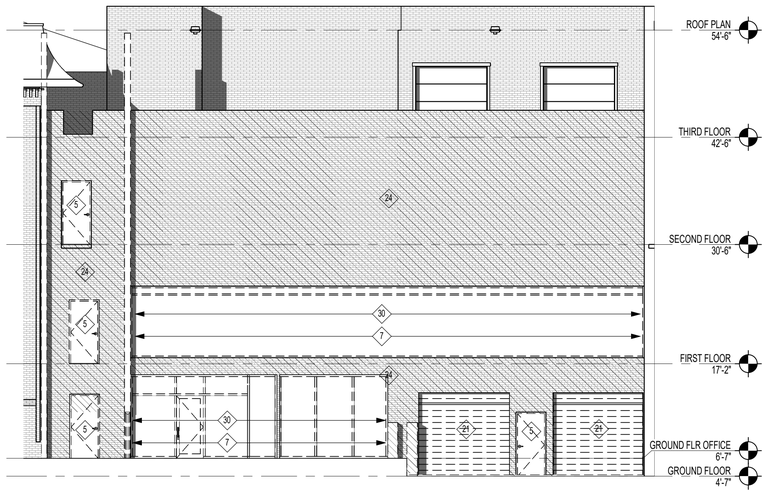
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3D1.1
Checked By: TDO	

Sheet Title: GROUND & FIRST FLOOR DEMOLITION PLANS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3D1.2 FRONT ELEVATION - DEMOLITION

1/8" = 1'-0"

DEMO LEGEND

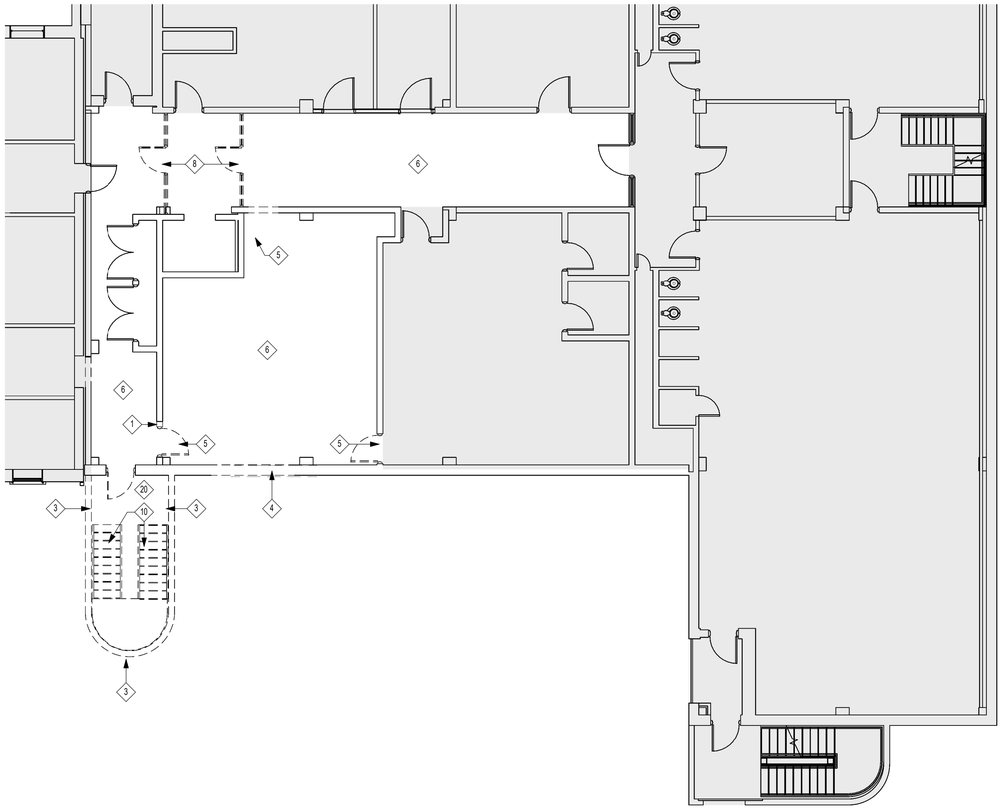
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- X — DEMOLITION KEYNOTE

GENERAL DEMOLITION NOTES

A. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.
B. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.
C. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.
D. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.
E. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WITH ALL TRADES.
F. ALL ASSOCIATED DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.
G. REFER TO SPECIFICATIONS FOR DEMOLITION REQUIREMENTS.
H. REMOVE ALL EXISTING BASE AND ALL RELATED ITEMS COMPLETELY IN ALL AREAS RECEIVING NEW FLOOR FINISHES. PATCH, CLEAN AND PREPARE EXISTING SUBSTRATE AS REQUIRED FOR RENOVATION WORK AND PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
I. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.
J. CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL IN THE WORK AREAS

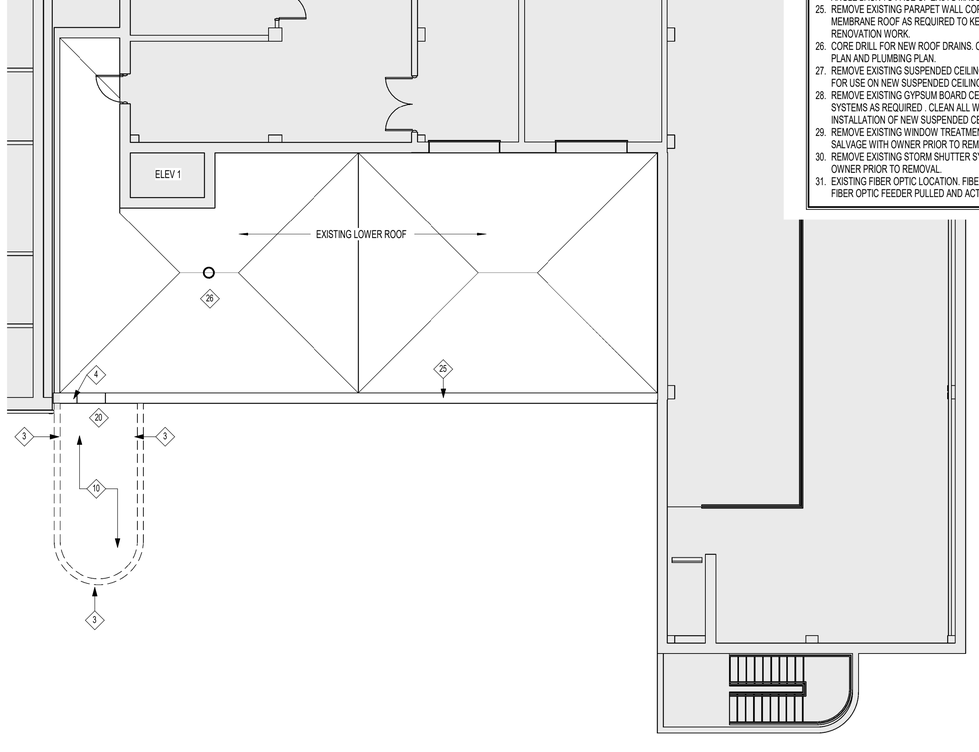
DEMOLITION KEY NOTES (#)

1. CUT AND REMOVE PORTION OF EXISTING INTERIOR WALL AND ALL RELATED ITEMS COMPLETELY. COORDINATE WITH RENOVATION WORK.
2. REMOVE EXISTING INTERIOR WALL AND ALL RELATED ITEMS COMPLETELY.
3. REMOVE EXISTING EXTERIOR WALL AND ALL RELATED ITEMS COMPLETELY.
4. CUT AND REMOVE PORTION EXISTING EXTERIOR WALL AND ALL RELATED ITEMS COMPLETELY. COORDINATE WITH RENOVATION WORK.
5. REMOVE EXISTING DOOR, FRAME, AND ALL RELATED HARDWARE COMPLETELY.
6. REMOVE EXISTING FLOOR FINISHES AND BASE. CLEAN & PREP THE EXISTING FLOOR SLAB TO RECEIVE NEW FINISHES. PROVIDED FLOOR LEVELING AS REQUIRED TO INSURE SMOOTH FLOOR TRANSITIONS AFTER REMOVE OF EXISTING WALL.
7. REMOVE EXISTING EXTERIOR STOREFRONT , FRAME, AND ALL RELATED HARDWARE COMPLETELY. COORDINATE WITH RENOVATION WORK.
8. REMOVE EXISTING INTERIOR STOREFRONT, FRAME, AND ALL RELATED HARDWARE COMPLETELY WITH RENOVATION WORK. SALVAGE EXISTING DOORS AND FRAMES FOR REUSE.
9. REMOVE PORTION OF EXISTING MASONRY WALL UP TO DECK. PATCH EXISTING CONCRETE SLAB AFTER REMOVAL OF WALL. FIELD COORDINATE FINAL LOCATION OF REMOVAL BASE ON EXISTING CONDITIONS. ALL POWER AND CONTROLS FOR SUMP TO REMAIN ACTIVE AT ALL TIMES.
10. REMOVE EXISTING STAIRS AND ALL RELATED HARDWARE COMPLETELY.
11. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION & NEW DRAIN LINE FROM TRENCH DRAIN. SEE PME FOR ADDITIONAL WORK REQUIRED.
12. REMOVE ALL EXISTING RAMP DRAINS. MAINTAIN UNDERGROUND DRAIN LINES FOR NEW CONSTRUCTION USE. ALL OTHER ABANDONED DRAINS LINES TO BE REMOVED OR CAPPED
13. REMOVE EXISTING SIGN AND ALL RELATED COMPONENTS.
14. CUT OPENING IN EXISTING CONCRETE WALL AND BRICK VENEER FOR NEW EXTERIOR DOOR. BOTTOM OF DOOR TO BE FLUSH WITH STAIR LANDING.
15. REMOVE EXISTING CMU AND BRICK VENEER BELOW EXISTING STOREFRONT IN IT ENTIRETY. CLEAN AND PREP THE EXISTING FLOOR SLAB TO RECEIVE NEW FINISHES.
16. REMOVE EXISTING BOLLARDS AND FOOTINGS IN THEIR ENTIRETY.
17. REMOVE EXISTG ACCESS CONTROL STATION AND ALL ASSOCIATED COMPONENTS.
18. REMOVE PORTION OF EXISTING STEEL GUARDRAIL ON TOP OF EXISTING RETAINING WALL. KEEP PORTION IN FRONT OF NEW WALL AND ROOF WORK. PROVIDE NEW VERTICAL SUPPORT AT END TO SUPPORT EXISTING RAIL TO REMAIN.
19. REMOVE EXISTING BRICK ROWLOCK CAP ON EXISTING RETAINING WALL. CAP TO REMAIN IN ALL AREAS TO RECEIVE NEW CONSTRUCTION. REMOVE EXISTING CURB AND ASPHALT AS REQUIRED TO ACCESS TOP OF EXISTING RETAINING WALL. SEE STRUCTURAL DETAILS FOR REFERENCE.
20. REMOVE EXISTING STAIR FLOOR SLAB AS REQUIRED
21. REMOVE EXISTING OVERHEAD DOOR, FRAME, AND ALL RELATED HARDWARE COMPLETELY.
22. REMOVE EXISTING TOILETS FIXTURES AND ACCESSORIES AS REQUIRED. PATCH AND REPAIR WALL AS REQUIRED TO RECEIVE NEW FINISHES.
23. REMOVE EXISTING ELEVATOR DOOR AND FRAME. CLEAN ALL OPENING EDGES TO RECEIVE NEW RATED WALL INFILL
24. REMOVE EXISTING BRICK VENEER ON THIS WALL FACE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED WALL TIES AND REINFORCING AS REQUIRED TO ALLOW FRO CONSTRUCTION OF NEW MASONRY WALL. CUT EXISTING LINTEL ANGLE BACK TO FACE OF EXSTG MASONRY WALL
25. REMOVE EXISTING PARAPET WALL COPING SYSTEM. PROTECT EXISTING MEMBRANE ROOF AS REQUIRED TO KEEP BUILDING WATER TIGHT DURING RENOVATION WORK.
26. CORE DRILL FOR NEW ROOF DRAINS. COORDINATE LOCATION WITH ROOF PLAN AND PLUMBING PLAN.
27. REMOVE EXISTING SUSPENDED CEILING GIRD. SUPPORTS MAY BE SALVAGED FOR USE ON NEW SUSPENDED CEILING GRID SYSTEM.
28. REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED SUPPORT SYSTEMS AS REQUIRED . CLEAN ALL WALL EDGES AS NEEDED FOR INSTALLATION OF NEW SUSPENDED CEILING
29. REMOVE EXISTING WINDOW TREATMENTS AND ASSOCIATED ITEMS. CONFIRM SALVAGE WITH OWNER PRIOR TO REMOVAL.
30. REMOVE EXISTING STORM SHUTTER SYSTEM AND CONFIRM SALVAGE WITH OWNER PRIOR TO REMOVAL.
31. EXISTING FIBER OPTIC LOCATION. FIBER TO REMAIN IN PLACE UNTIL NEW FIBER OPTIC FEEDER PULLED AND ACTIVE. COODINATE WIHT OWNER.



SECOND FLOOR - DEMOLITION

1/8" = 1'-0"



THIRD FLOOR - DEMOLITION

1/8" = 1'-0"

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St. Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. — CERT. NO. 50681 — NORTH CAROLINA — ROCKY MOUNT, NC

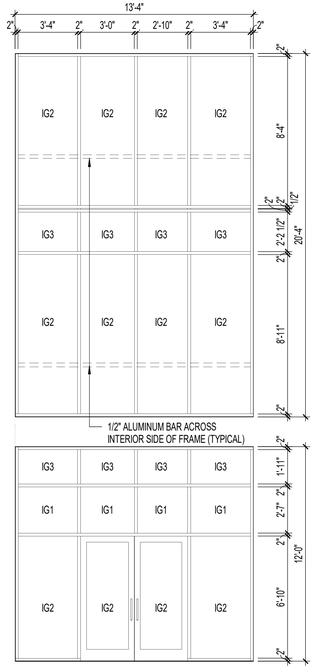
TIMOTHY D. OAKLEY — REGISTERED ARCHITECT — NORTH CAROLINA — ROCKY MOUNT, N.C. — 01/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

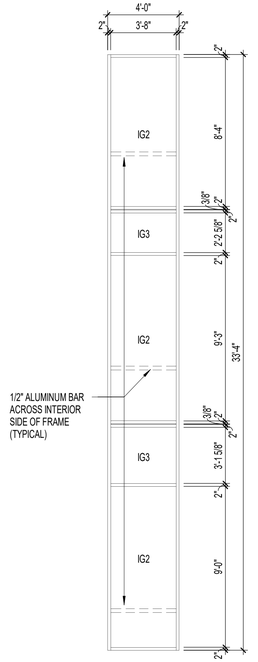
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.
Checked By: TDO	3D1.2

Sheet Title
SECOND & THIRD FLOOR DEMOLITION PLANS



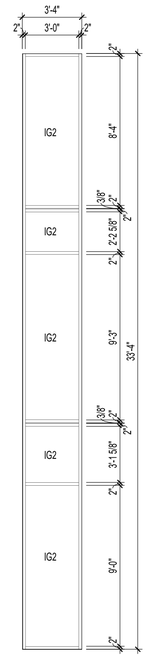
S1

1/4" = 1'-0"



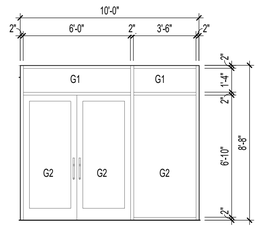
S2

1/4" = 1'-0"



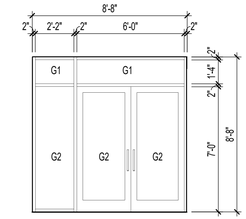
S3

1/4" = 1'-0"



S5

1/4" = 1'-0"



S4

1/4" = 1'-0"

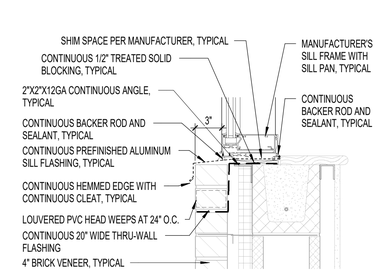
WINDOW NOTES

1. ALL EXTERIOR STOREFRONT GLAZING SHALL BE OUTSIDE GLAZED 1" INSULATING TINTED GLASS AS NOTED IN SCHEDULE, TYPICAL.
2. PROVIDE ALL NECESSARY FRAME ANCHORS AS REQUIRED FOR SPECIFIC INSTALLATIONS.
3. ALL GLAZING WITHIN 24" OF VERTICAL EDGE OF DOORS SHALL BE TEMPERED. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
4. ALL FRAMING SYSTEMS SHALL BE DESIGNED, ENGINEERED AND FABRICATED BY THE SYSTEM MANUFACTURER TO MEET ALL APPLICABLE CODES. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
5. ALL FRAMING DIMENSIONS AS SHOWN ARE ROUGH OPENING DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT FINISH DIMENSION AT JOB SITE PRIOR TO FABRICATION.
6. HORIZONTAL LOUVER BLINDS SHALL BE FURNISHED AND INSTALLED ON ALL EXTERIOR WINDOWS.

WINDOW LEGEND

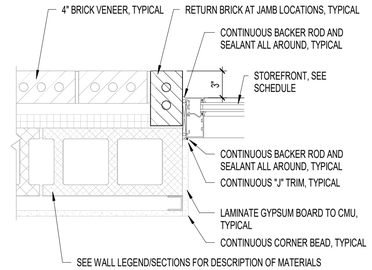
UNIT	S# =	STOREFRONT FRAMING SYSTEM
	W# =	HOLLOW METAL FRAMING SYSTEM
GLAZING	IG1 =	INSULATING GLASS UNITS: VISION GLAZING
	IG2 =	INSULATING GLASS UNITS: SAFETY GLAZING
	IG3 =	INSULATING GLASS UNITS: SPANDREL GLAZING
	G1 =	MONOLITHIC INTERIOR VISION GLAZING
	G2 =	MONOLITHIC SAFETY GLAZING

NOTES:
1. STOREFRONT SHALL BE KAWNEER 451T SYSTEM OR EQUAL
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



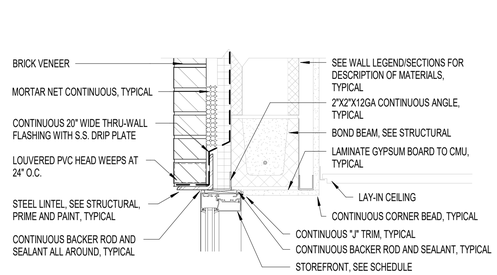
1 3A6.2 SILL DETAIL

1 1/2" = 1'-0"



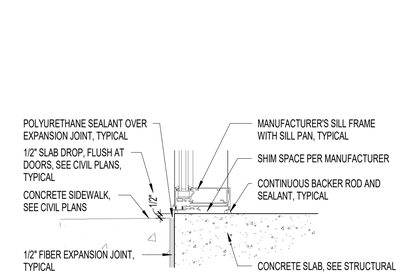
2 3A6.2 JAMB DETAIL

1 1/2" = 1'-0"



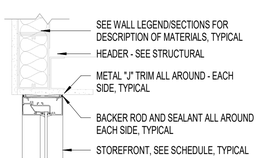
3 3A6.2 HEAD DETAIL

1 1/2" = 1'-0"



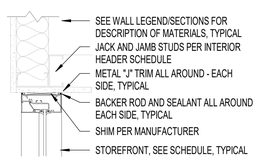
4 3A6.2 SILL DETAIL

1 1/2" = 1'-0"



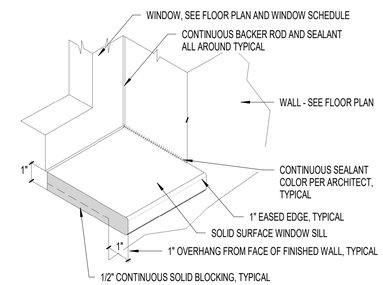
5 3A6.2 HEAD DETAIL

1 1/2" = 1'-0"



6 3A6.2 JAMB DETAIL

1 1/2" = 1'-0"



7 3A6.2 TYP WINDOW SILL DETAIL

3" = 1'-0"

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS P.A. CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

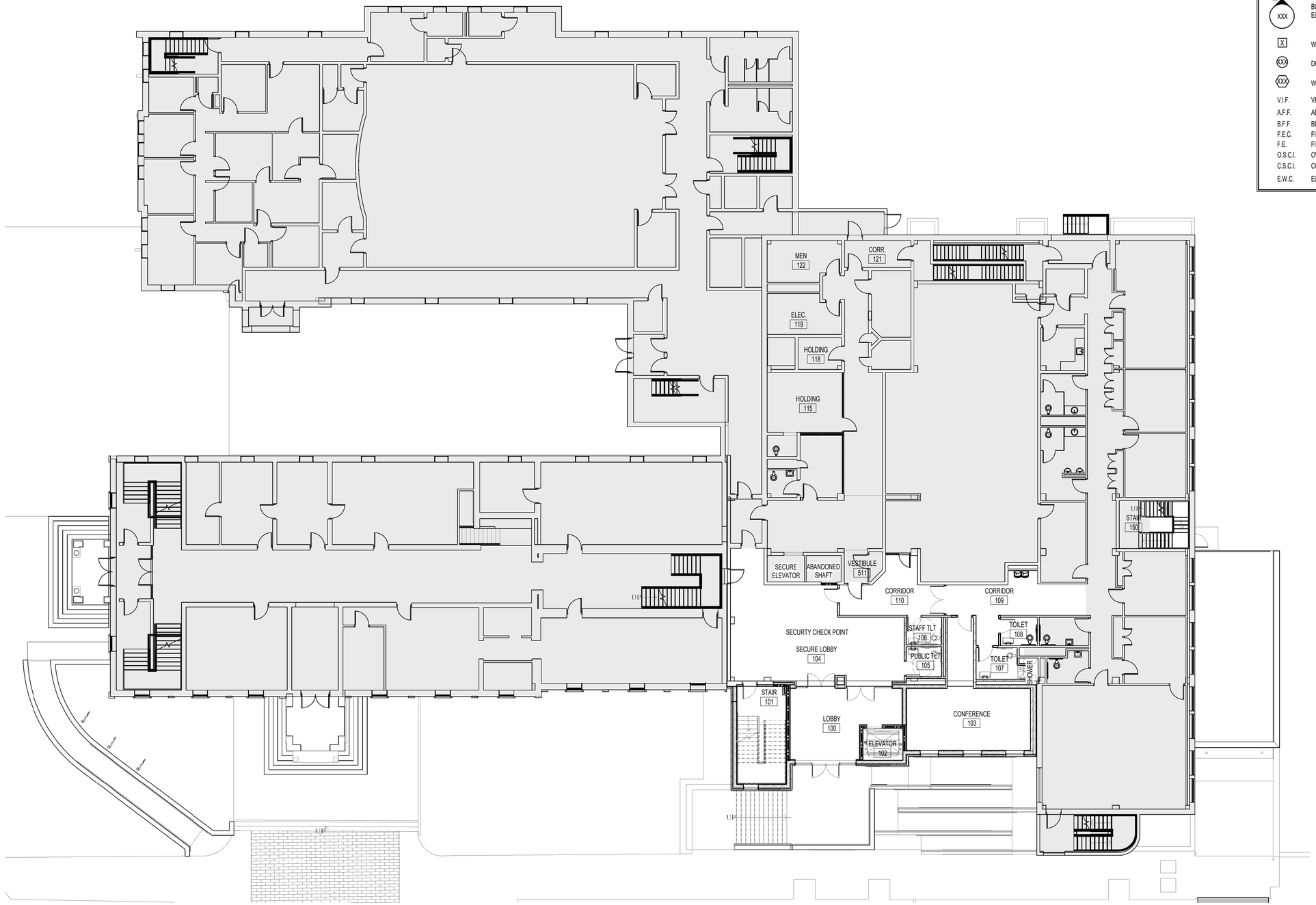
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 01/01/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A6.2
Checked By: TDO	

Sheet Title: WINDOW SCHEDULE & DETAILS



KEY LEGEND

SIM X / XXX	DETAIL KEY — DETAIL NUMBER / PAGE NUMBER
SIM X / XXX	BUILDING SECTION — DETAIL NUMBER / PAGE NUMBER
X / XXX	BUILDING ELEVATION — DETAIL # / PAGE #
X	WALL KEY
XXX	DOOR KEY
XXX	WINDOW KEY
V.I.F.	VERIFY IN FIELD
A.F.F.	ABOVE FINISH FLOOR
B.F.F.	BELOW FINISH FLOOR
F.E.C.	FIRE EXTINGUISHER IN CABINET
F.E.	FIRE EXTINGUISHER, SURFACE MOUNTED
O.S.C.I.	OWNER SUPPLIED CONTRACTOR INSTALLED
C.S.C.I.	CONTRACTOR SUPPLIED CONTRACTOR INSTALLED
E.W.C.	ELECTRIC WATER COOLER

FIRST FLOOR - OVERALL

3/32" = 1'-0"

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY-COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT 25891 NORTH CAROLINA ROCKY MOUNT, N.C. 01/01/23

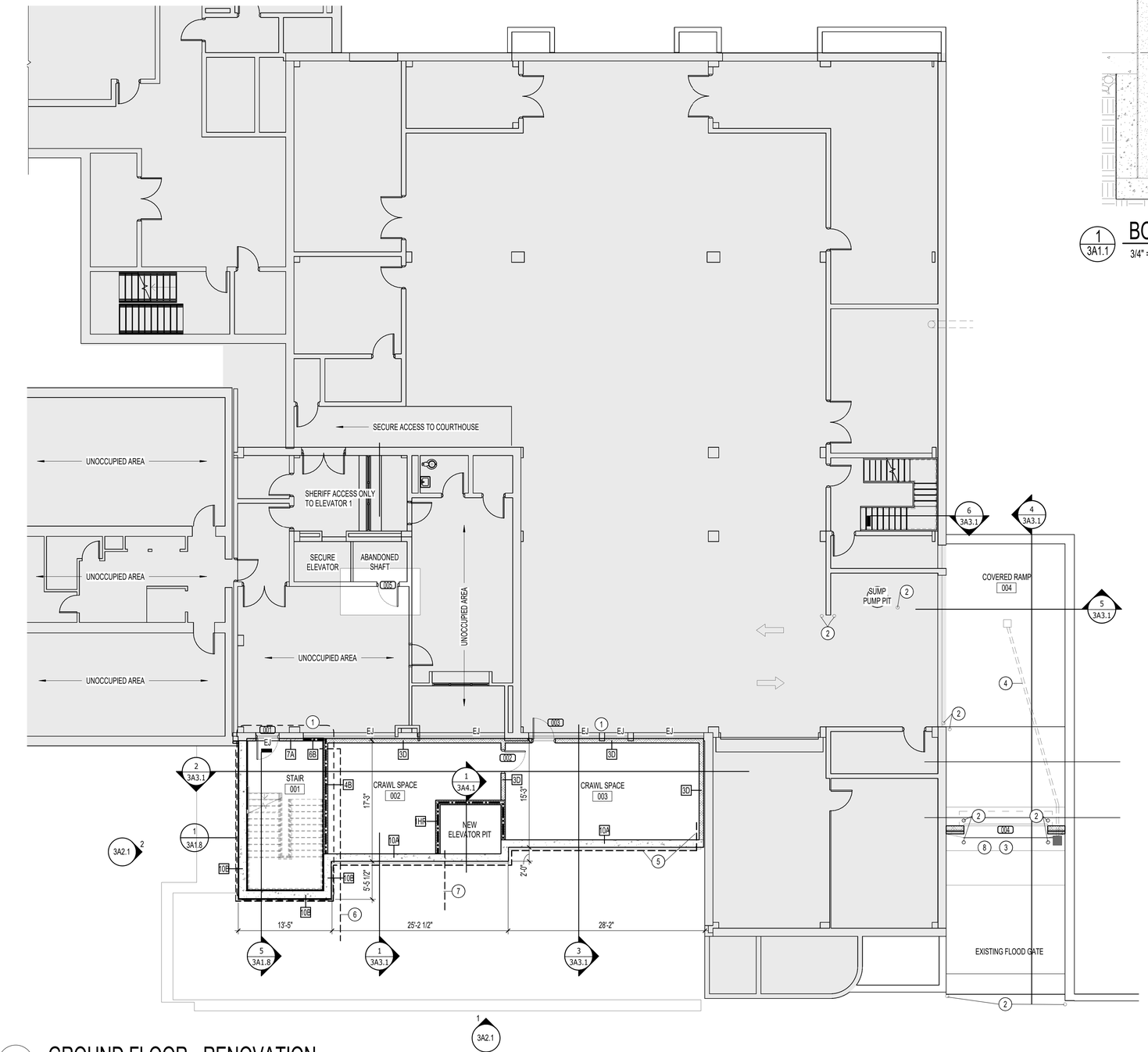
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.0
Checked By: TDO	

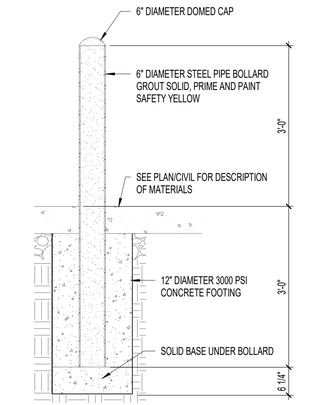
Sheet Title: OVERALL PLAN - FIRST FLOOR

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 GROUND FLOOR - RENOVATION

1/8" = 1'-0"



1 3A1.1 BOLLARD

3/4" = 1'-0"

GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.
2. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.
3. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.
4. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.
5. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WITH ALL TRADES.
6. ALL ASSOCIATED DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.
7. ALL DEMOLITION WORK SHALL BE COORDINATED AND BE PERFORMED IN ACCORDANCE WITH OWNER. REMOVE, REPLACE AND/OR REINSTALL ALL EXISTING WALL MOUNTED DEVICE COVER PLATES INCLUDING SWITCHES, RECEPTACLES, OUTLETS, PANEL FACES, RECESSED CABINET FACES, ETC., AS REQUIRED FOR RENOVATION WORK AND PROPER INSTALLATION OF NEW FINISHES. FINISHING AROUND EXISTING ITEMS IN THIS NOTE WILL NOT BE ACCEPTED.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
9. CLEAN AND PREPARE ALL EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
10. CLEAN AND PREPARE EXISTING SUBSTRATE IN ALL AREAS RECEIVING NEW FLOOR FINISHES AS REQUIRED BY RENOVATION WORK AND FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
11. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.
12. PATCH ALL EXISTING FLOORS, WALLS, AND CEILINGS. AS REQUIRED FOR DEMOLITION AND RENOVATION WORK INCLUDING ALL PLUMBING, MECHANICAL, AND ELECTRICAL.
13. PATCH ALL EXISTING TO REMAIN FLOORS, WALLS, AND CEILINGS THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION WORK INCLUDING ALL PLUMBING, MECHANICAL, AND ELECTRICAL.
14. OWNER WILL OCCUPY ALL AREAS OF ALL FLOORS SURROUNDING THE ADDITION AND RENOVATED WORK AREA FOR THE DURATION OF THE PROJECT. PROVIDE TEMPORARY PARTITIONS AS REQUIRED.
15. IT IS THE INTENT OF THESE DOCUMENTS THAT "REPAIR" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE REPAIRED IN A MANNER WITH THE SAME OR SIMILAR MATERIALS INCLUDING ADDITIONAL SUPPORT FRAMING PROVIDING A SMOOTH AND SEAMLESS TRANSITION FROM NEW TO EXISTING MATERIALS AND THE REPAIR SHALL BE PREPARED TO RECEIVE NEW FINISHES PER FINISH MANUFACTURERS RECOMMENDATIONS.
16. IT IS THE INTENT OF THESE DOCUMENTS THAT "PREPARE" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE MADE READY TO RECEIVE NEW FINISH IN ACCORDANCE WITH THE FINISH MANUFACTURERS RECOMMENDATIONS.
17. IT IS THE INTENT OF THESE DOCUMENTS THAT "PATCH" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE REPAIRED IN A MANNER WITH SAME OR SIMILAR MATERIALS PROVIDING A SMOOTH AND SEAMLESS TRANSITION FROM NEW TO EXISTING MATERIALS AND THE PATCH SHALL BE PREPARED TO RECEIVE NEW FINISHES PER FINISH MANUFACTURERS RECOMMENDATIONS.
18. IT IS THE INTENT OF THESE DOCUMENTS THAT "CLEAN" IMPLIES THAT THE EXISTING CONSTRUCTION SURFACES SHALL BE CLEANED BY INDUSTRY STANDARD METHODS IN ACCORDANCE WITH FINISH MANUFACTURERS RECOMMENDATIONS.
19. PROTECT ALL AREAS OUTSIDE OF SCOPE DURING CONSTRUCTION ACTIVITY.
20. CONTRACTOR IS TO ALIGN ALL NEW FLOORS TO MATCH THE EXISTING. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS OFFICE PRIOR TO CONSTUCTION.

RENOVATION KEY NOTES (#)

1. CLEAN ALL EXISTING WALL SURFACES ADJACENT TO NEW CONSTRUCTION. CLOSE ALL VERTICAL AND HORIZONTAL WALL JOINTS WITH FLEXIBLE EXPANSION JOINT MATERIAL. TYPICAL AT ALL LOCATIONS. SEE EXPANSION JOINT LEGEND ON SHEET 3A3.4
2. PROVIDE NEW 6" BOLLARD - SEE DETAIL
3. U-DRAIN SINGLE SLOT INTAKE DRAIN ACROSS OVERHEAD DOOR OPENING. PROVIDE FILTER BOX AND PIPE TO EXISTING RAMP DRAIN. INSTALL ALL COMPONENTS PER MANUFACTURES RECOMMENDATION. SLOPE CORNERS OF RAMP TO DRAIN TO MAINTAIN POSITIVE DRAINAGE.
4. NEW DRAIN LINE FROM FILTER BOX TO EXISTING FLOOR DRAIN. CUT AND PATCH EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW LINE
5. FOUNDATION DRAIN WITH DRAINAGE MAT SYSTEM. PROVIDE STONE WRAPPED IN FABRIC FILTER UP TO WITHIN 8" OF GRADE - CONNECT NEW DRAIN PIPE TO THE EXISTING PIPE SYSTEM UNDER THE EXISTING DRIVE RAMP. SYSTEM WILL TIE INTO EXISTING GROUND FLOOR SUMP PUMP.
6. ROOF DRAIN LEADER - EXTEND UNDER FRONT ENTRANCE LANDING TO FACE OF WALL. DUMP TO TRENCH DRAIN IN NEW SIDEWALK. SEE PLUMBING DRAWINGS.
7. PIT SUMP PUMP DRAIN. EXTEND UNDER RAMP TO DAYLIGHT. SEE PLUMBING DRAWINGS.
8. NEW CONCRETE RAMP. THICKNESS AND REINFORCING TO MATCH EXISTING. SIZE TO MATCH DEMOLITION AS NEEDED TO INSTALL NEW WALL FOOTING.
9. CUT NEW HM DOOR INTO EXISTING MASONRY WALL. DOOR THRESHOLD TO ALIGN WITH EXISTING STAIR LANDING. FIELD COORDINATE ACTUAL DOOR HEIGHT WITH FIELD CONDITIONS.
10. PROVIDE NEW 5'X5' CONCRETE LANDING WITH 5' WIDE RAMP DOWN TO EXISTING GRADE. MAINTAIN POSITIVE DRAINAGE AWAY FROM DOOR.
11. PROVIDE 5' DIAMETER COUNTY SEAL ON VINYL WALL DECAL. COLOR TO BE COORDINATED WITH FINAL PAINT COLORS.
12. OMIT NOTE
13. NEW HM FRAME SECURE VESTIBULE. REWORK EXISTING FRAMING SYSTEM AND SALVAGE ONE EXISTING DOOR. PROVIDE NEW LAMINATED GLAZING IN ALL FRAMES.
14. PROVIDED PIPE CHASE FOR ROOF LEADERS. KEEP FRAMING AS TIGHT AS POSSIBLE TO CONEAL PIPES

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. LICENSED ARCHITECTURAL CORPORATION CERT. NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT SEAL 16801 NORTH CAROLINA ROCKY MOUNT, N.C. 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

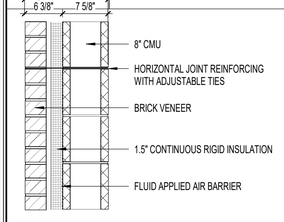
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.1
Checked By: TDO	

Sheet Title: GROUND FLOOR RENOVATION PLAN

WALL LEGEND

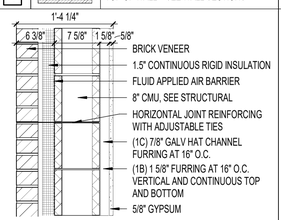
EXTERIOR BRICK VENEER CMU WALL

MARK	PLAN VIEW	REMARKS
1A		TOP OF WALL = SEE WALL SECTIONS



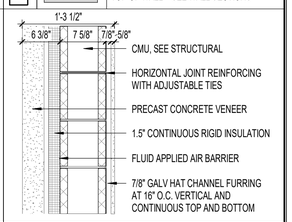
EXTERIOR BRICK VENEER CMU WALL W/ 1 5/8" FURRING

MARK	PLAN VIEW	REMARKS
1B		TOP OF WALL = SEE WALL SECTIONS
1C		TOP OF WALL = SEE WALL SECTIONS



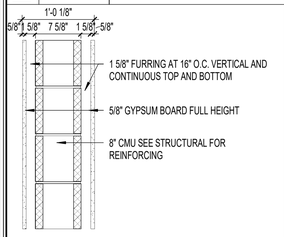
EXTERIOR PRECAST VENEER CMU WALL W/ FURRING

MARK	PLAN VIEW	REMARKS
2A		NO FURRING
2B		TOP OF WALL = SEE WALL SECTIONS



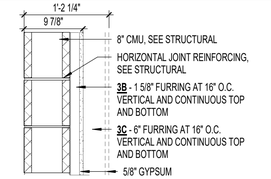
INTERIOR CMU WALL - 1-5/8" FURRED BOTH SIDES

MARK	PLAN VIEW	REMARKS
3A		TOP OF WALL TO DECK



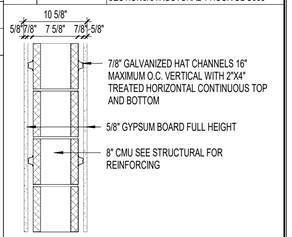
INTERIOR CMU WALL W/ 1 5/8" OR 6" FURRING, ONE SIDE

MARK	PLAN VIEW	REMARKS
3B		TOP OF WALL = SEE WALL SECTIONS
3C		TOP OF WALL = SEE WALL SECTIONS
3D		NO FURRING



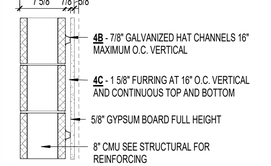
INTERIOR MASONRY WALL - FIRE RATED - FURRED BOTH SIDES

MARK	PLAN VIEW	REMARKS
4A		TOP OF WALL = SEE SECTIONS/STRUCTURAL 1 HOUR SECTIONS



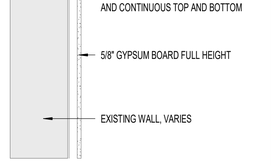
INTERIOR MASONRY WALL - FIRE RATED - FURRED ONE SIDE

MARK	PLAN VIEW	REMARKS
4B		TOP OF WALL = SEE SECTIONS/STRUCTURAL 1 HOUR
4C		TOP OF WALL = SEE SECTIONS/STRUCTURAL 1 HOUR



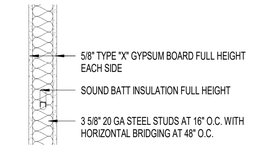
1-5/8" FURRING ON EXISTING WALL

MARK	PLAN VIEW	REMARKS
5		TOP OF WALL



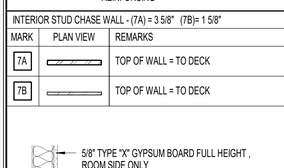
INTERIOR STUD WALL - 3 5/8"

MARK	PLAN VIEW	REMARKS
6A		TOP OF WALL = TO ROOF DECK
6B		1 HOUR RATED - SEAL ALL PENETRATIONS



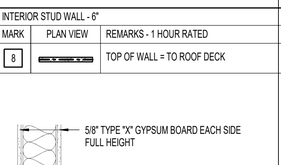
INTERIOR STUD CHASE WALL - (7A) = 3 5/8" (7B)= 1 5/8"

MARK	PLAN VIEW	REMARKS
7A		TOP OF WALL = TO DECK
7B		TOP OF WALL = TO DECK



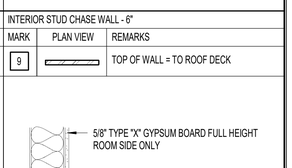
INTERIOR STUD WALL - 6"

MARK	PLAN VIEW	REMARKS - 1 HOUR RATED
8		TOP OF WALL = TO ROOF DECK



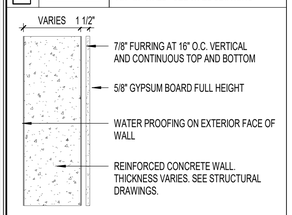
INTERIOR STUD CHASE WALL - 6"

MARK	PLAN VIEW	REMARKS
9		TOP OF WALL = TO ROOF DECK



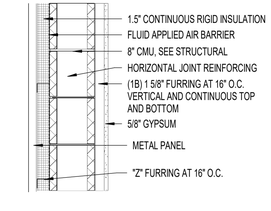
REINFORCED CONCRETE WALL - (10B) WITH 7/8" FURRING

MARK	PLAN VIEW	REMARKS
10A		TOP OF WALL - SEE WALL SECTIONS
10B		TOP OF WALL - SEE WALL SECTIONS



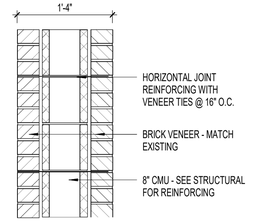
EXTERIOR METAL PANEL CMU WALL W/ 1 5/8" FURRING

MARK	PLAN VIEW	REMARKS
11		TOP OF WALL = SEE WALL SECTIONS

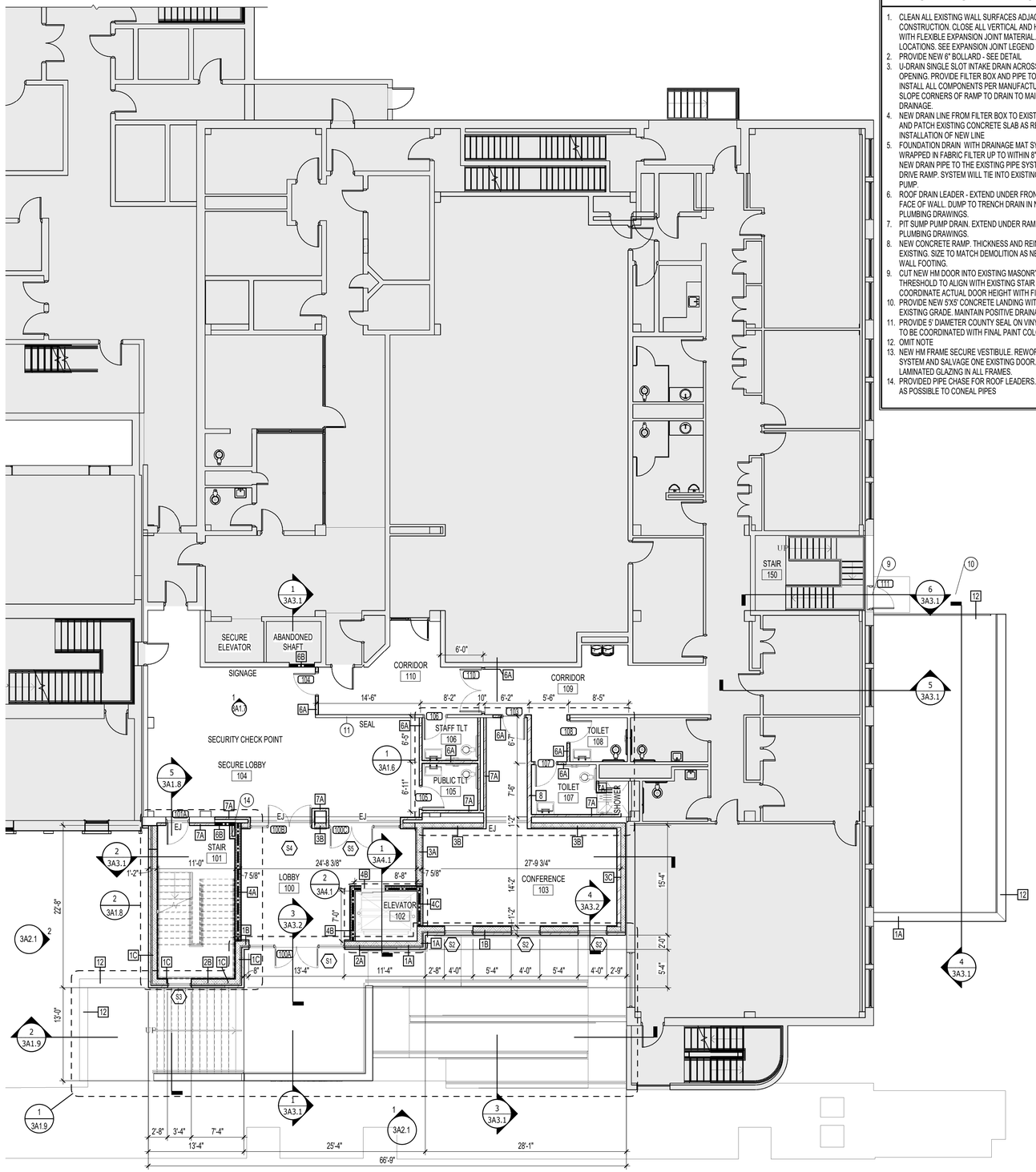


EXTERIOR BRICK VENEER CMU WALL

MARK	PLAN VIEW	REMARKS
12		TOP OF WALL = SEE PLANS



Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



FIRST FLOOR - RENOVATION

1/8" = 1'-0"

RENOVATION KEY NOTES

1. CLEAN ALL EXISTING WALL SURFACES ADJACENT TO NEW CONSTRUCTION. CLOSE ALL VERTICAL AND HORIZONTAL WALL JOINTS WITH FLEXIBLE EXPANSION JOINT MATERIAL. TYPICAL AT ALL LOCATIONS. SEE EXPANSION JOINT LEGEND ON SHEET 3A3.4
2. PROVIDE NEW 6" BOLLARD - SEE DETAIL
3. U-DRAIN SINGLE SLOT INTAKE DRAIN ACROSS OVERHEAD DOOR OPENING. PROVIDE FILTER BOX AND PIPE TO EXISTING RAMP DRAIN. INSTALL ALL COMPONENTS PER MANUFACTURES RECOMMENDATION. SLOPE CORNERS OF RAMP TO DRAIN TO MAINTAIN POSITIVE DRAINAGE.
4. NEW DRAIN LINE FROM FILTER BOX TO EXISTING FLOOR DRAIN. CUT AND PATCH EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW LINE
5. FOUNDATION DRAIN WITH DRAINAGE MAT SYSTEM. PROVIDE STONE WRAPPED IN FABRIC FILTER UP TO WITHIN 8" OF GRADE - CONNECT NEW DRAIN PIPE TO THE EXISTING PIPE SYSTEM UNDER THE EXISTING DRIVE RAMP. SYSTEM WILL TIE INTO EXISTING GROUND FLOOR SUMP PUMP.
6. ROOF DRAIN LEADER - EXTEND UNDER FRONT ENTRANCE LANDING TO FACE OF WALL. DUMP TO TRENCH DRAIN IN NEW SIDEWALK. SEE PLUMBING DRAWINGS.
7. PIT SUMP PUMP DRAIN. EXTEND UNDER RAMP TO DAYLIGHT. SEE PLUMBING DRAWINGS.
8. NEW CONCRETE RAMP. THICKNESS AND REINFORCING TO MATCH EXISTING. SIZE TO MATCH DEMOLITION AS NEEDED TO INSTALL NEW WALL FOOTING.
9. CUT NEW HM DOOR INTO EXISTING MASONRY WALL. DOOR THRESHOLD TO ALIGN WITH EXISTING STAIR LANDING. FIELD COORDINATE ACTUAL DOOR HEIGHT WITH FIELD CONDITIONS.
10. PROVIDE NEW 5'X5' CONCRETE LANDING WITH 5' WIDE RAMP DOWN TO EXISTING GRADE. MAINTAIN POSITIVE DRAINAGE AWAY FROM DOOR.
11. PROVIDE 5' DIAMETER COUNTY SEAL ON VINYL WALL DECAL. COLOR TO BE COORDINATED WITH FINAL PAINT COLORS.
12. OMIT NOTE
13. NEW HM FRAME SECURE VESTIBULE. REWORK EXISTING FRAMING SYSTEM AND SALVAGE ONE EXISTING DOOR. PROVIDE NEW LAMINATED GLAZING IN ALL FRAMES.
14. PROVIDED PIPE CHASE FOR ROOF LEADERS. KEEP FRAMING AS TIGHT AS POSSIBLE TO CONEAL PIPES

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St. Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. LICENSED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

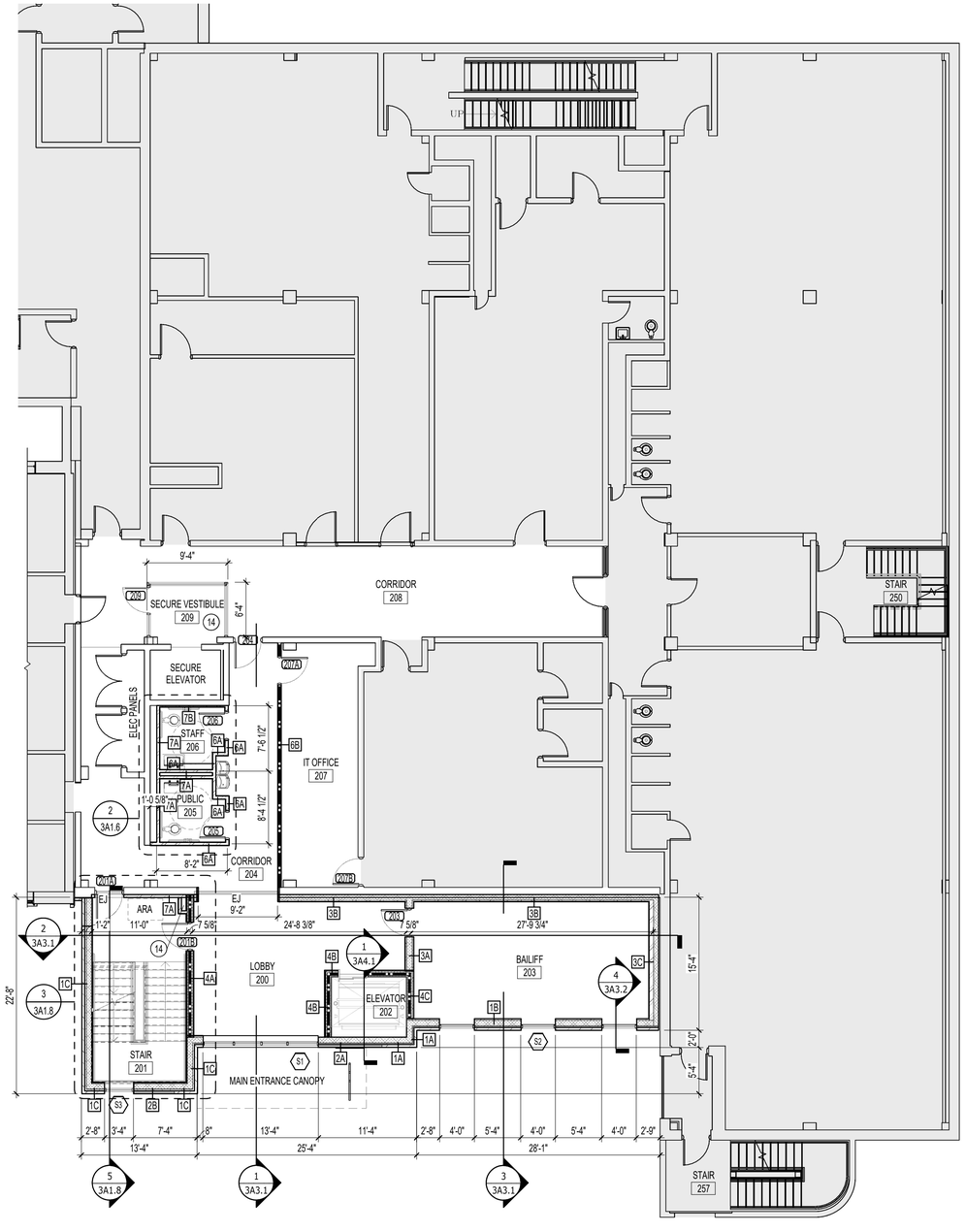
Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No. 3A1.2
Checked By: TDO	

Sheet Title
FIRST FLOOR RENOVATION PLAN

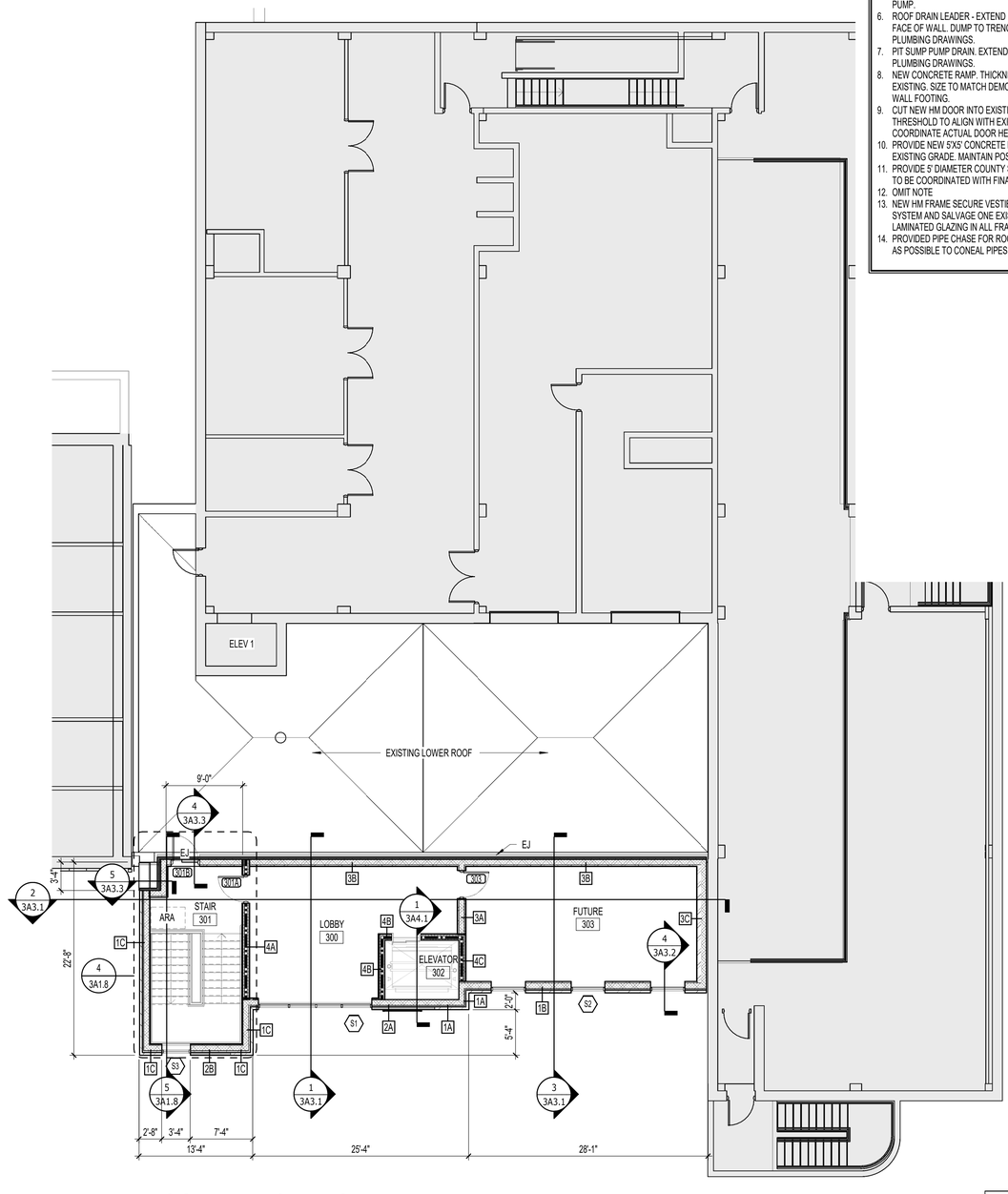
RENOVATION KEY NOTES

1. CLEAN ALL EXISTING WALL SURFACES ADJACENT TO NEW CONSTRUCTION. CLOSE ALL VERTICAL AND HORIZONTAL WALL JOINTS WITH FLEXIBLE EXPANSION JOINT MATERIAL. TYPICAL AT ALL LOCATIONS. SEE EXPANSION JOINT LEGEND ON SHEET 3A3.4
2. PROVIDE NEW 6" BOLLARD - SEE DETAIL
3. U-DRAIN SINGLE SLOT INTAKE DRAIN ACROSS OVERHEAD DOOR OPENING. PROVIDE FILTER BOX AND PIPE TO EXISTING RAMP DRAIN. INSTALL ALL COMPONENTS PER MANUFACTURES RECOMMENDATION. SLOPE CORNERS OF RAMP TO DRAIN TO MAINTAIN POSITIVE DRAINAGE.
4. NEW DRAIN LINE FROM FILTER BOX TO EXISTING FLOOR DRAIN. CUT AND PATCH EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW LINE
5. FOUNDATION DRAIN WITH DRAINAGE MAT SYSTEM. PROVIDE STONE WRAPPED IN FABRIC FILTER UP TO WITHIN 8" OF GRADE - CONNECT NEW DRAIN PIPE TO THE EXISTING PIPE SYSTEM UNDER THE EXISTING DRIVE RAMP. SYSTEM WILL TIE INTO EXISTING GROUND FLOOR SUMP PUMP.
6. ROOF DRAIN LEADER - EXTEND UNDER FRONT ENTRANCE LANDING TO FACE OF WALL. DUMP TO TRENCH DRAIN IN NEW SIDEWALK. SEE PLUMBING DRAWINGS.
7. PIT SUMP PUMP DRAIN. EXTEND UNDER RAMP TO DAYLIGHT. SEE PLUMBING DRAWINGS.
8. NEW CONCRETE RAMP. THICKNESS AND REINFORCING TO MATCH EXISTING. SIZE TO MATCH DEMOLITION AS NEEDED TO INSTALL NEW WALL FOOTING.
9. CUT NEW HM DOOR INTO EXISTING MASONRY WALL. DOOR THRESHOLD TO ALIGN WITH EXISTING STAIR LANDING. FIELD COORDINATE ACTUAL DOOR HEIGHT WITH FIELD CONDITIONS.
10. PROVIDE NEW 5'X5' CONCRETE LANDING WITH 5' WIDE RAMP DOWN TO EXISTING GRADE. MAINTAIN POSITIVE DRAINAGE AWAY FROM DOOR.
11. PROVIDE 5' DIAMETER COUNTY SEAL ON VINYL WALL DECAL. COLOR TO BE COORDINATED WITH FINAL PAINT COLORS.
12. OMIT NOTE
13. NEW HM FRAME SECURE VESTIBULE. REWORK EXISTING FRAMING SYSTEM AND SALVAGE ONE EXISTING DOOR. PROVIDE NEW LAMINATED GLAZING IN ALL FRAMES.
14. PROVIDED PIPE CHASE FOR ROOF LEADERS. KEEP FRAMING AS TIGHT AS POSSIBLE TO CONEAL PIPES



SECOND FLOOR - RENOVATION

1/8" = 1'-0"



THIRD FLOOR - RENOVATION

1/8" = 1'-0"

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. CERT. NO. 50681 ROCKY MOUNT, NC

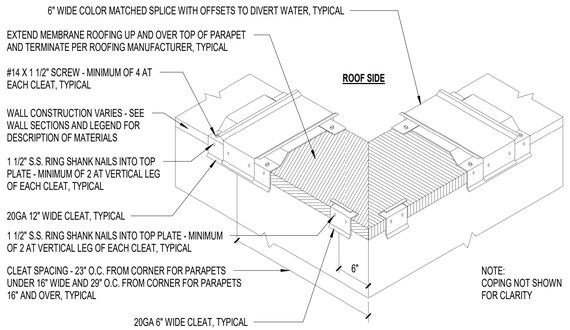
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

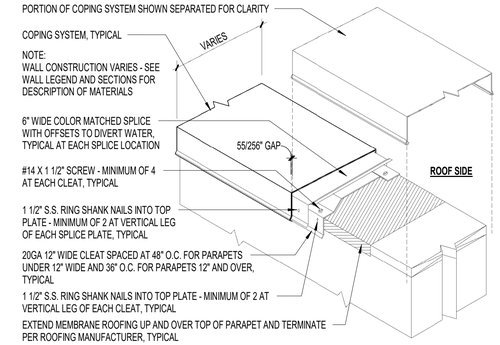
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.3
Checked By: TDO	

Sheet Title
SECOND & THIRD FLOOR RENOVATION PLAN



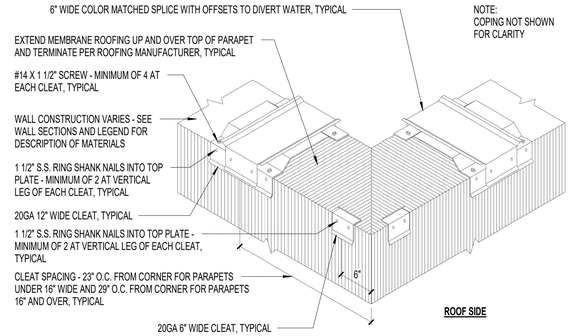
1 3A1.4 **TYPICAL COPING OUTSIDE CORNER**

1" = 1'-0"



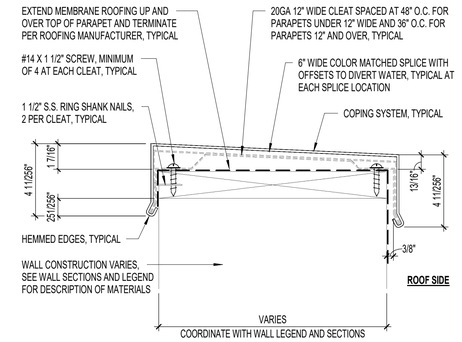
2 3A1.4 **TYPICAL COPING SPLICE JOINT**

1" = 1'-0"



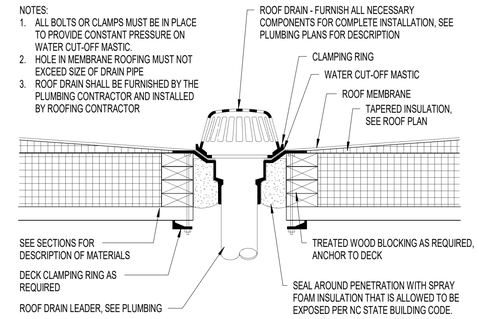
3 3A1.4 **TYPICAL COPING INSIDE CORNER**

1" = 1'-0"



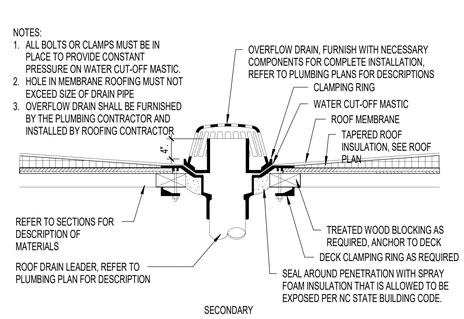
4 3A1.4 **TYPICAL COPING PROFILE**

3" = 1'-0"



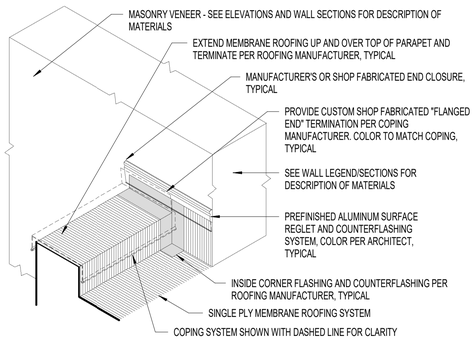
5 3A1.4 **TYPICAL PRIMARY ROOF DRAIN**

1 1/2" = 1'-0"



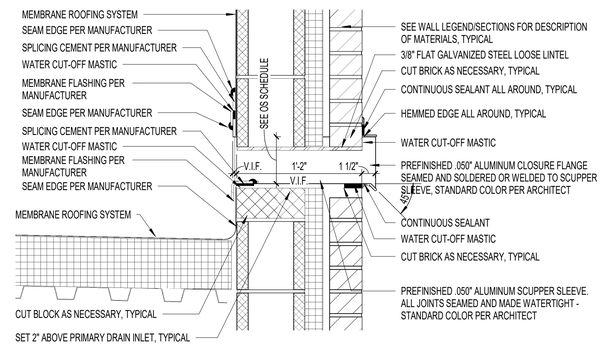
6 3A1.4 **OVERFLOW ROOF DRAIN**

1 1/2" = 1'-0"



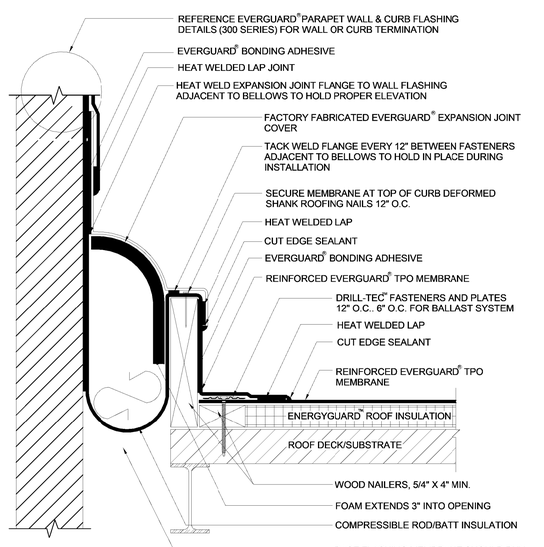
7 3A1.4 **PARAPET FLASHING**

3/4" = 1'-0"



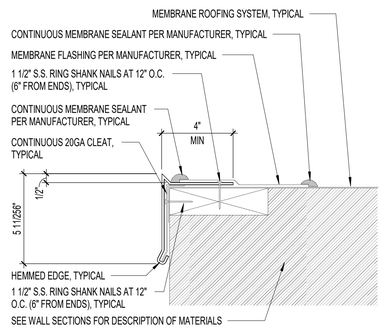
8 3A1.4 **SCUPPER - AT CMU**

1 1/2" = 1'-0"



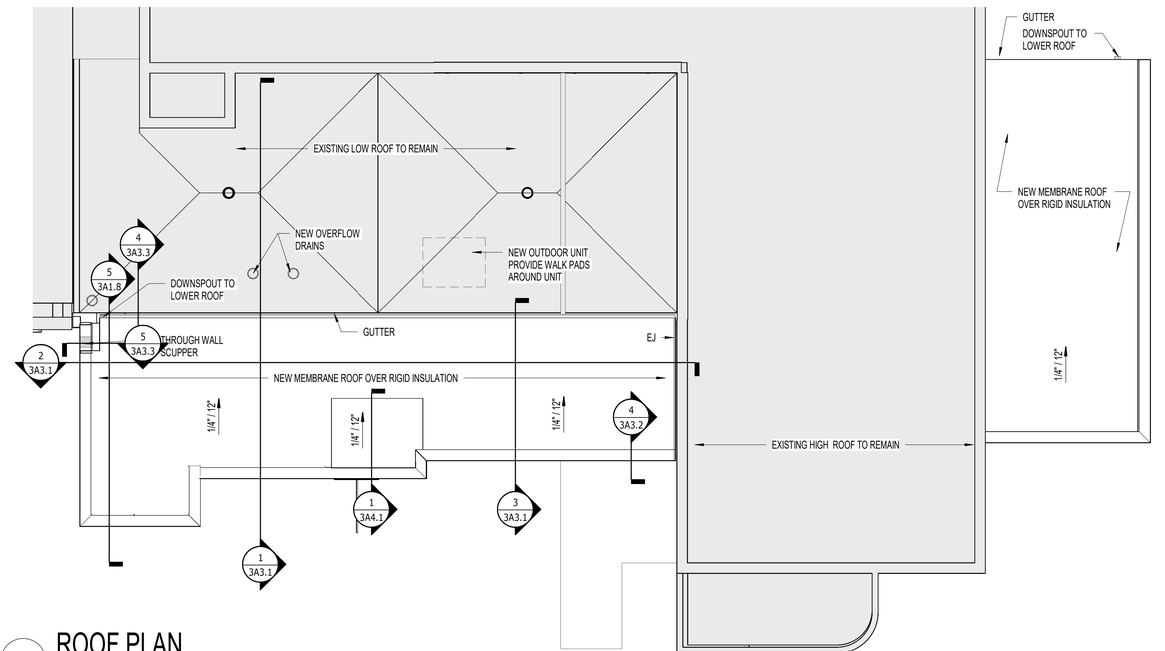
9 3A1.4 **ROOF EXPANSION JOINT**

1 1/2" = 1'-0"



10 3A1.4 **FASCIA PROFILE**

3" = 1'-0"



ROOF PLAN

1/8" = 1'-0"

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St. Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

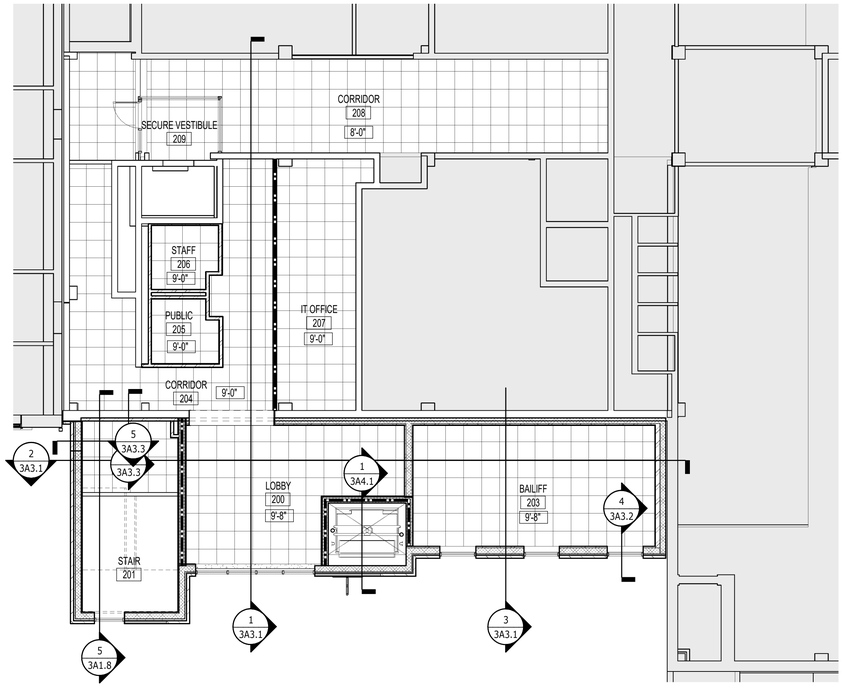
TIMOTHY D. OAKLEY REGISTERED ARCHITECT SEAL 50681 NORTH CAROLINA ROCKY MOUNT, NC 01/01/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

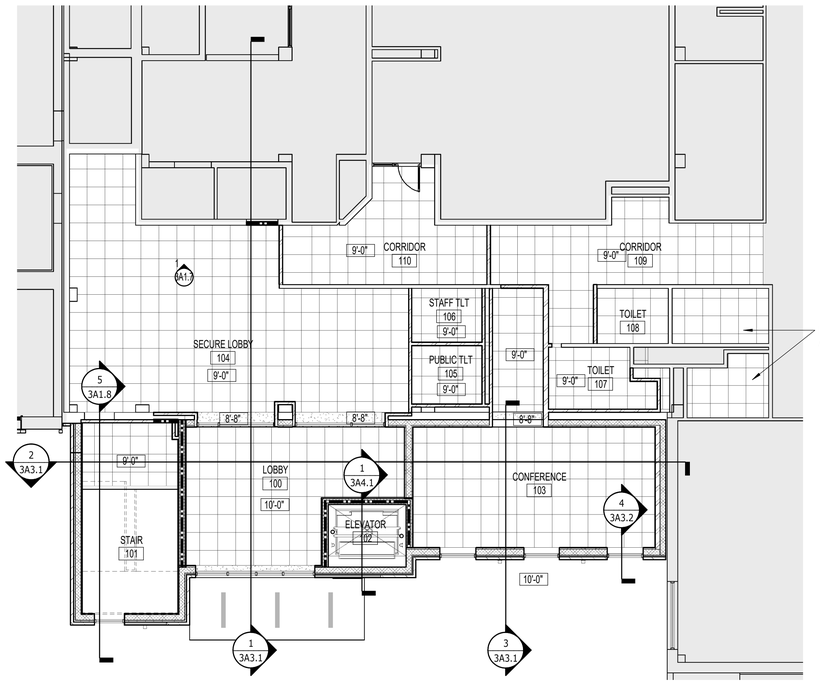
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.4
Checked By: TDO	

Sheet Title: ROOF PLAN & DETAILS



SECOND FLOOR RCP

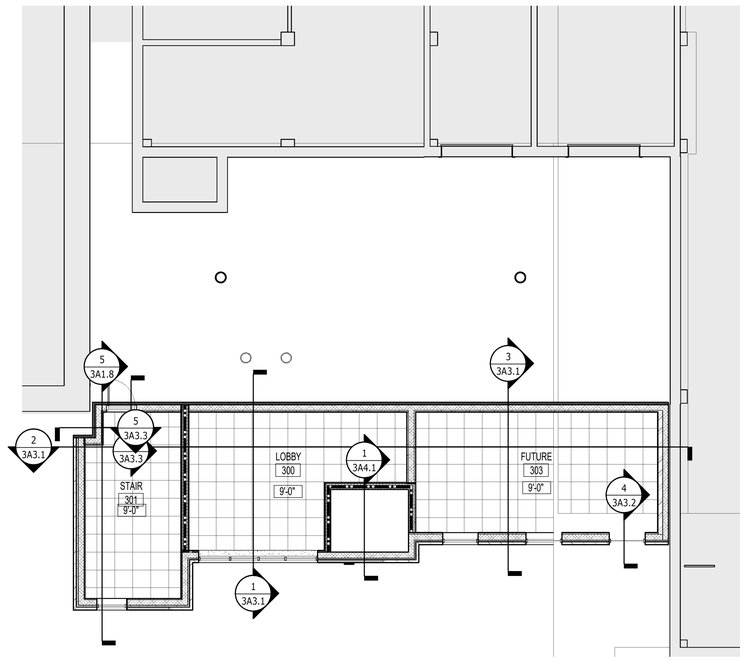
1/8" = 1'-0"



EXISTING ACT - REMOVE AND REPLACE AS REQUIRED FOR HVAC WORK ABOVE

FIRST FLOOR RCP

1/8" = 1'-0"



THIRD FLOOR RCP

1/8" = 1'-0"

NO WORK IN THIS AREA INCLUDED IN THIS PROJECT PHASE

LEGEND

- 2X2 LAY-IN CEILING SYSTEM
- 5/8" GYPSUM BOARD
- X'-X" CEILING HEIGHT KEY

NOTE:
REFER TO LIGHTING PLAN AND MECHANICAL PLAN FOR FULL DESCRIPTION

ALL GRIDS ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 01/01/23

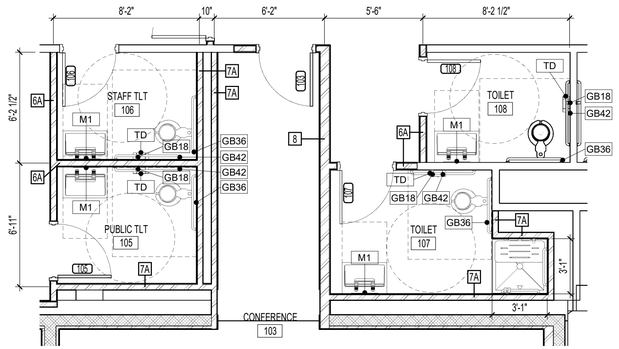
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.5
Checked By: TDO	

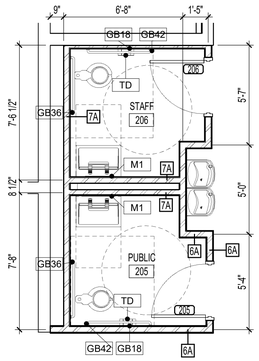
Sheet Title:
REFELCTED CEILING PLANS

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



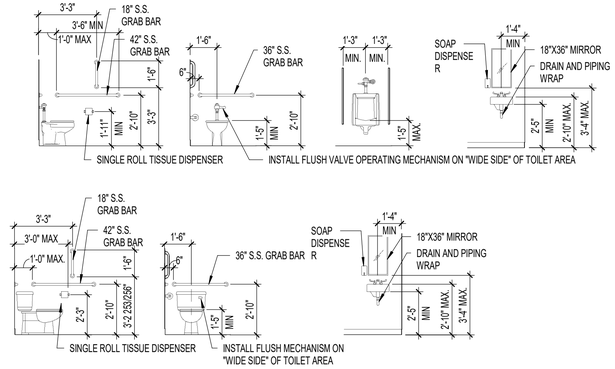
1 3A1.6 **TOILETS - 105,106,107,108**

1/4" = 1'-0"



2 3A1.6 **TOILETS 205, 206**

1/4" = 1'-0"



4 3A1.6 **H.C. TOILET ACCESSORIES INSTALLATION**

1/4" = 1'-0"

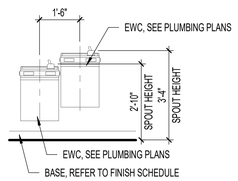
TOILET ACCESSORIES SCHEDULE

NUMBER	DESCRIPTION	MANUF.	MODEL NO.	MOUNTING HEIGHT
PT	PAPER TOWEL DISPENSER	NOT REQUIRED		
SD	SURFACE MOUNTED SOAP DISPENSER	NOT REQUIRED		
M1	STAINLESS STEEL FRAMED MIRROR	A.S.I.	20650	40" TO BOTTOM
TD	SINGLE ROLL TISSUE DISPENSER	PROVIDED BY OWNER - CONTRACTOR TO INSTALL		
GB36	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	A.S.I.	3800-36P	34" C.L.
GB42	1 1/2" DIA. X 42" S.S GRAB BAR - PEENED	A.S.I.	3800-42P	34" C.L.
GB18	1 1/2" DIA. X 18" S.S (VERTICAL) GRAB BAR - PEENED	A.S.I.	3800-18P	39" TO BOTTOM
			-	

1. ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
2. WHERE INDICATED AND AS REQUIRED TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.
3. FURNISH AND INSTALL ALL NECESSARY FRAMING AND BLOCKING AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL ACCESSORIES.
4. MANUFACTURER AND MODEL NUMBERS INDICATED REPRESENT BASIS OF DESIGN, APPROVED EQUALS WILL BE ACCEPTED.

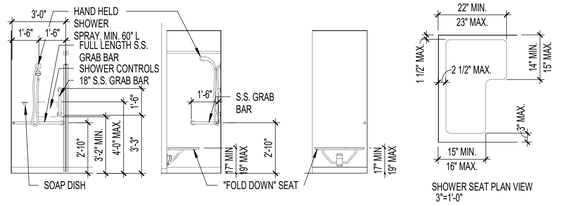
TOILET NOTES

1. DIMENSIONS ARE TYPICAL FOR HANDICAP ACCESSORY INSTALLATIONS. EQUIPMENT AND FIXTURE ORIENTATION MAY VARY REFER TO PLAN FOR TOILET LAYOUT.
2. PROVIDE ALL NECESSARY BLOCKING AND ANCHORS AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL TOILET FIXTURES AND RELATED EQUIPMENT.
3. REFER TO PLUMBING SCHEDULE AND DETAILS FOR ALL FIXTURES AND MOUNTING HEIGHTS.
4. REFER TO FLOOR PLAN, AND FINISH SCHEDULE FOR WALL FINISHES. CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL ITEMS WITH SPECIFIC WALL TYPES AND FINISHES.
5. ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
6. WHERE INDICATED AND AS REQUIRED TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.
7. MANUFACTURER AND MODEL NUMBERS INDICATED REPRESENT BASIS OF DESIGN, APPROVED EQUALS WILL BE ACCEPTED.
8. PROVIDE CERAMIC TILE ALONG WET WALLS AS INDICATED. RUN CERAMIC TILE TO A HEIGHT OF 7'-0"



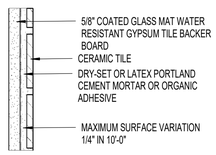
5 3A1.6 **EWC**

3/8" = 1'-0"



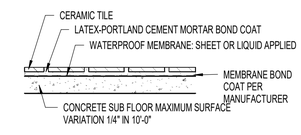
6 3A1.6 **H.C. SHOWER INSTALLATION**

1/4" = 1'-0"



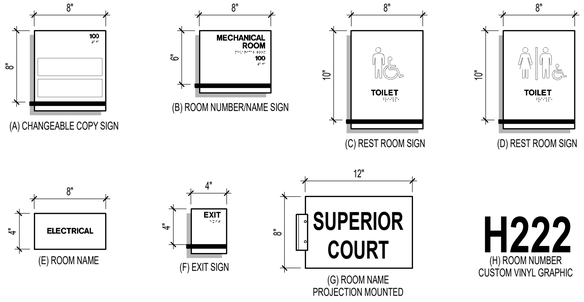
7 3A1.6 **TCA W245**

3" = 1'-0"



8 3A1.6 **TCA F122**

3" = 1'-0"



INTERIOR SIGN NOTES:

1. SIGNS A, B, C, D, F, G BASED ON INPRO "BOSTON" COLLECTION BASIS OF DESIGN OR APPROVED SUBSTITUTION.
2. SIGN E SHALL BE PLASTIC EXTERIOR RATED SIGN .
3. SIGN H SHALL BE 4" HIGH APPLIED BLACK VINYL GRAPHIC.
4. ALL ROOMS AND ENTRANCES TO A ROOM AS NOTED SHALL HAVE A SIGN.
5. SIGN TYPES INDICATED BY LETTER DESIGNATION, AS INDICATED, AND KEYED TO ROOM FINISH SCHEDULE.
6. ALL PUBLIC USE TOILETS SHALL HAVE A RESTROOM SIGN.
7. COORDINATE ROOM DESIGNATIONS AND NUMBERS WITH OWNER PRIOR TO ORDERING. DO NOT USE PLAN NAMES AND NUMBERS.
8. ALL SIGNAGE SHALL COMPLY WITH ALL APPLICABLE CODES.
9. CHANGEABLE COPY SIGNS SHALL HAVE TWO (2) LINES WITH NON-GLARE ACRYLIC FACES FOR OWNER INSERTS.
10. ALL COMPONENTS COLORS SHALL BE AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
11. ALL SIGNS SHALL BE LOCATED ON STRIKE SIDE OF DOOR AND SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM FROM FINISH FLOOR TO BASELINE OF ALL BRAILLE CELLS. A CLEAR SPACE OF 18X18 INCHES SHALL BE LOCATED IN FRONT OF THE SIGN, CENTERED ON THE RAISED TEXT.
12. SIGN BACK PANEL SHALL HAVE 1/2" MINIMUM EXPOSURE ON SIDE AND BOTTOM.
13. HORIZONTAL ACCENT STRIP SHALL BE 3/8" MINIMUM WIDE AND EXTEND FULL WIDTH OF SIGN FACE AND BACK PANEL.

9 3A1.6 **INTERIOR SIGNAGE**

1 1/2" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

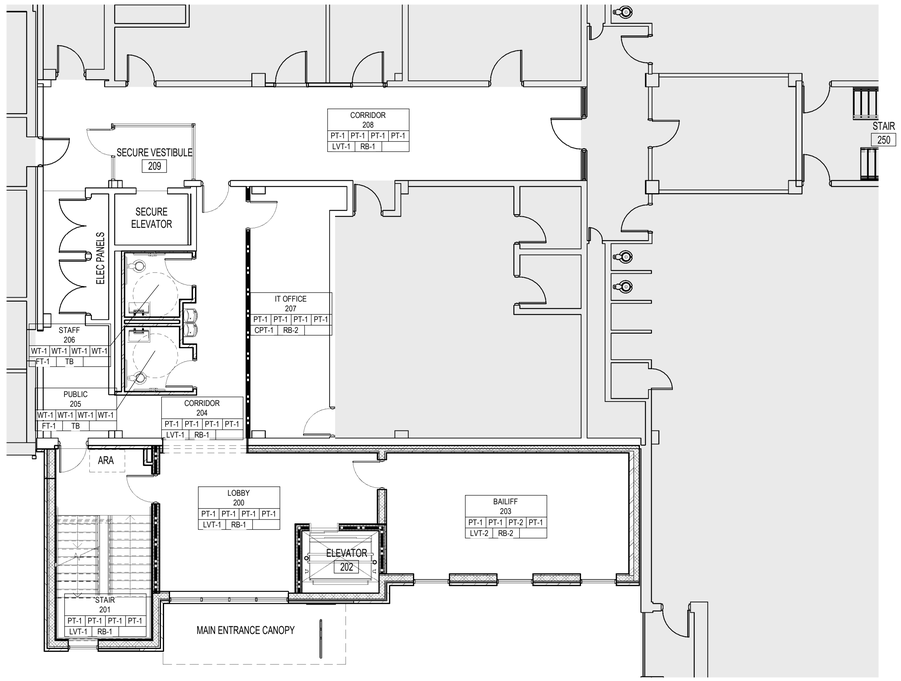
TIMOTHY D. OAKLEY REGISTERED ARCHITECT 15881 NORTH CAROLINA ROCKY MOUNT, N.C. 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.6
Checked By: TDO	

Sheet Title: ENLARGED PLANS



SECOND FLOOR - FINISH PLAN

1/8" = 1'-0"

FINISH LEGEND

NORTH / WEST (ROOM) EAST / SOUTH — WALL FINISHES BASED ON PLAN DIRECTION (PLAN N,E,S,W)

WALL FINISH

PT-1	INTERIOR FIELD PAINT 1
PT-1A	INTERIOR FIELD EPOXY PAINT 1
PT-2	INTERIOR ACCENT PAINT
PT-3	INTERIOR ACCENT PAINT
WT-1	WALL TILE 1
WT-2	WALL TILE 2 (SINK WALL/SHOWER)

WALL BASE

RB-1	RUBBER BASE
TB-1	TILE BASE

SURFACE FINISH

PL-1	P-LAM 1
QZ-1	QUARTZ COUNTERTOP 1
SS-1	SOLID SURFACE 1

FLOOR FINISH

FT-1	FLOOR TILE 1
FT-2	FLOOR TILE 2 (SHOWER)
CPT-1	CARPET TILE 1
LVT-1	LUXURY VINYL TILE 1
SC	SEALED CONCRETE

CEILING FINISH

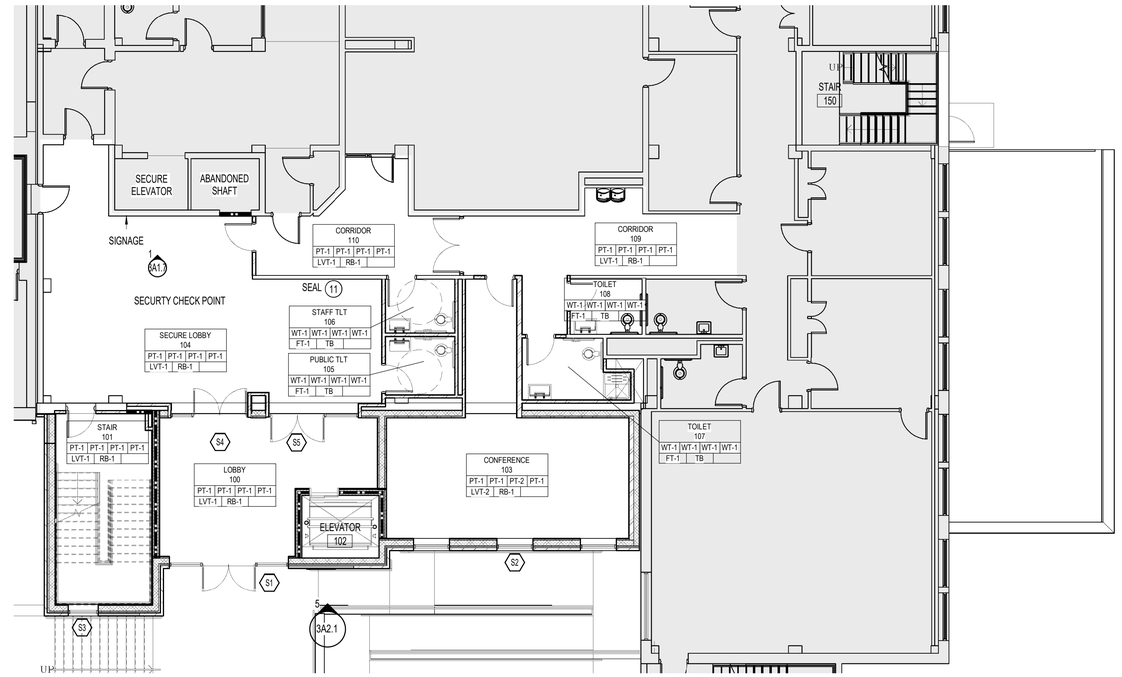
EXPOSED	EXPOSED STRUCTURE
ACT-1	ACOUSTICAL CEILING TILE
GWB	GYPSUM WALL BOARD

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING	COMMENTS	ROOM NO.
001	STAIR	SC	RB-1	PT-1	PT-1	PT-1	PT-1	EXPOSED		001
002	CRAWL SPACE	SC	-	-	-	-	-	EXPOSED		002
003	CRAWL SPACE	SC	-	-	-	-	-	EXPOSED		003
004	COVERED RAMP	SC						EXPOSED		004
100	LOBBY	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		100
101	STAIR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		101
102	ELEVATOR	-	-	-	-	-	-	-		102
103	CONFERENCE	LVT-2	RB-1	PT-1	PT-1	PT-2	PT-1	ACT-1		103
104	SECURE LOBBY	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		104
105	PUBLIC TLT	FT-1	TB	WT-1	WT-1	WT-1	WT-1	ACT-1	60" TILE WAINSCOT - PT-1A ABOVE	105
106	STAFF TLT	FT-1	TB	WT-1	WT-1	WT-1	WT-1	ACT-1	60" TILE WAINSCOT - PT-1A ABOVE	106
107	TOILET	FT-1	TB	WT-1	WT-1	WT-1	WT-1	ACT-1	60" TILE WAINSCOT / FULL HT AROUND SHOWER	107
108	TOILET	FT-1	TB	WT-1	WT-1	WT-1	WT-1	ACT-1	60" TILE WAINSCOT - PT-1A ABOVE	108
109	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		109
110	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		110
511	VESTIBULE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		511
200	LOBBY	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		200
201	STAIR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		201
202	ELEVATOR	-	-	-	-	-	-	-		202
203	BAILIFF	LVT-2	RB-2	PT-1	PT-1	PT-2	PT-1	ACT-1		203
204	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		204
205	PUBLIC	FT-1	TB	WT-1	WT-1	WT-1	WT-1	ACT-1	60" TILE WAINSCOT - PT-1A ABOVE	205
206	STAFF	FT-1	TB	WT-1	WT-1	WT-1	WT-1	ACT-1	60" TILE WAINSCOT - PT-1A ABOVE	206
207	IT OFFICE	CPT-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1		207
208	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		208
208A	ELEC	SC	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		208A
209	SECURE VESTIBULE	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		209
300	LOBBY	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		300
301	STAIR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		301
302	ELEVATOR	-	-	-	-	-	-	-		302
303	FUTURE	LVT-1	RB-2	PT-1	PT-1	PT-12	PT-1	ACT-1		303

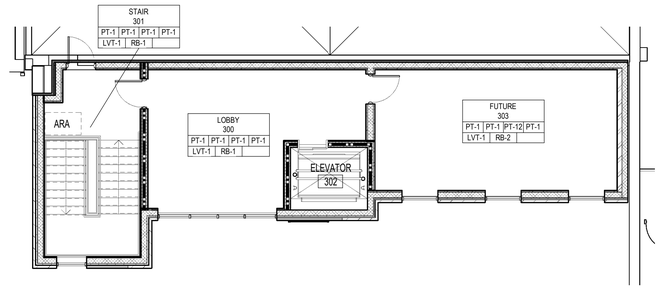
RENOVATION KEY NOTES

1. CLEAN ALL EXISTING WALL SURFACES ADJACENT TO NEW CONSTRUCTION. CLOSE ALL VERTICAL AND HORIZONTAL WALL JOINTS WITH FLEXIBLE EXPANSION JOINT MATERIAL. TYPICAL AT ALL LOCATIONS. SEE EXPANSION JOINT LEGEND ON SHEET 3A3.4
2. PROVIDE NEW 6" BOLLARD - SEE DETAIL
3. U-DRAIN SINGLE SLOT INTAKE DRAIN ACROSS OVERHEAD DOOR OPENING. PROVIDE FILTER BOX AND PIPE TO EXISTING RAMP DRAIN. INSTALL ALL COMPONENTS PER MANUFACTURES RECOMMENDATION. SLOPE CORNERS OF RAMP TO DRAIN TO MAINTAIN POSITIVE DRAINAGE.
4. NEW DRAIN LINE FROM FILTER BOX TO EXISTING FLOOR DRAIN. CUT AND PATCH EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW LINE
5. FOUNDATION DRAIN WITH DRAINAGE MAT SYSTEM. PROVIDE STONE WRAPPED IN FABRIC FILTER UP TO WITHIN 8" OF GRADE - CONNECT NEW DRAIN PIPE TO THE EXISTING PIPE SYSTEM UNDER THE EXISTING DRIVE RAMP. SYSTEM WILL TIE INTO EXISTING GROUND FLOOR SUMP PUMP.
6. ROOF DRAIN LEADER - EXTEND UNDER FRONT ENTRANCE LANDING TO FACE OF WALL. DUMP TO TRENCH DRAIN IN NEW SIDEWALK. SEE PLUMBING DRAWINGS.
7. PIT SUMP PUMP DRAIN. EXTEND UNDER RAMP TO DAYLIGHT. SEE PLUMBING DRAWINGS.
8. NEW CONCRETE RAMP. THICKNESS AND REINFORCING TO MATCH EXISTING. SIZE TO MATCH DEMOLITION AS NEEDED TO INSTALL NEW WALL FOOTING.
9. CUT NEW HM DOOR INTO EXISTING MASONRY WALL. DOOR THRESHOLD TO ALIGN WITH EXISTING STAIR LANDING. FIELD COORDINATE ACTUAL DOOR HEIGHT WITH FIELD CONDITIONS.
10. PROVIDE NEW 5'X5' CONCRETE LANDING WITH 5' WIDE RAMP DOWN TO EXISTING GRADE. MAINTAIN POSITIVE DRAINAGE AWAY FROM DOOR.
11. PROVIDE 5' DIAMETER COUNTY SEAL ON VINYL WALL DECAL. COLOR TO BE COORDINATED WITH FINAL PAINT COLORS.
12. OMIT NOTE
13. NEW HM FRAME SECURE VESTIBULE. REWORK EXISTING FRAMING SYSTEM AND SALVAGE ONE EXISTING DOOR. PROVIDE NEW LAMINATED GLAZING IN ALL FRAMES.
14. PROVIDED PIPE CHASE FOR ROOF LEADERS. KEEP FRAMING AS TIGHT AS POSSIBLE TO CONEAL PIPES



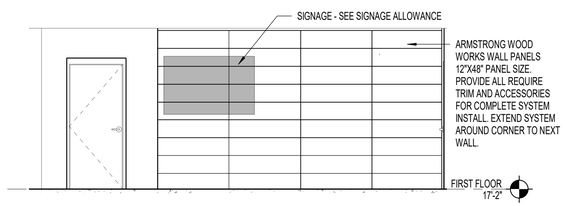
FIRST FLOOR - FINISH PLAN

1/8" = 1'-0"



THIRD FLOOR - FINISH PLAN

1/8" = 1'-0"



LOBBY WOOD WALL

1/4" = 1'-0"

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

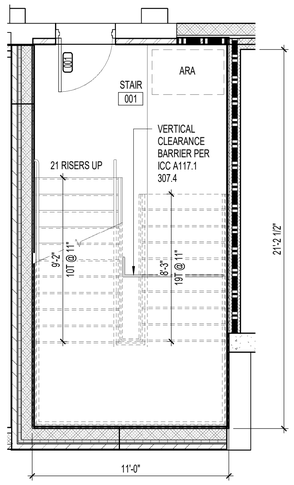
TIMOTHY D. OAKLEY REGISTERED ARCHITECT SEAL NORTH CAROLINA ROCKY MOUNT, N.C. 01/01/23

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

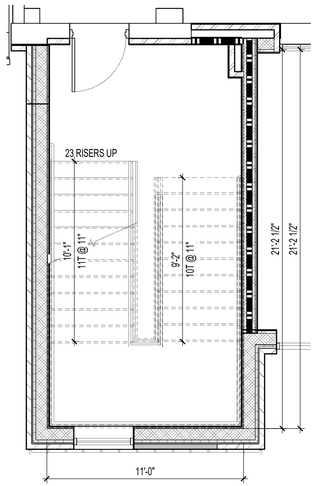
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.7
Checked By: TDO	

Sheet Title: FINISH PLANS



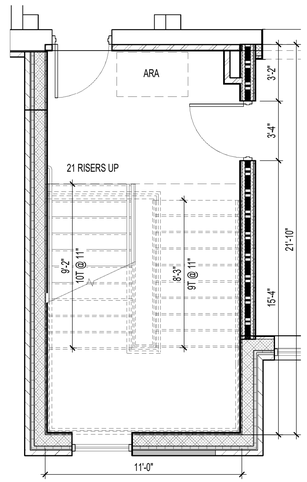
1 3A1.8 **STAIR - 001**

1/4" = 1'-0"



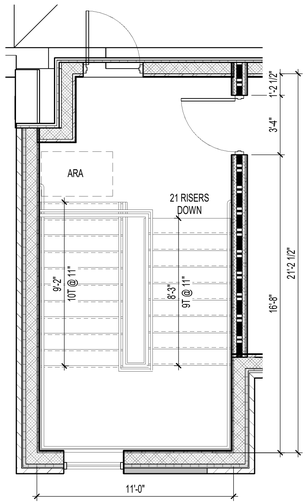
2 3A1.8 **STAIR - 101**

1/4" = 1'-0"



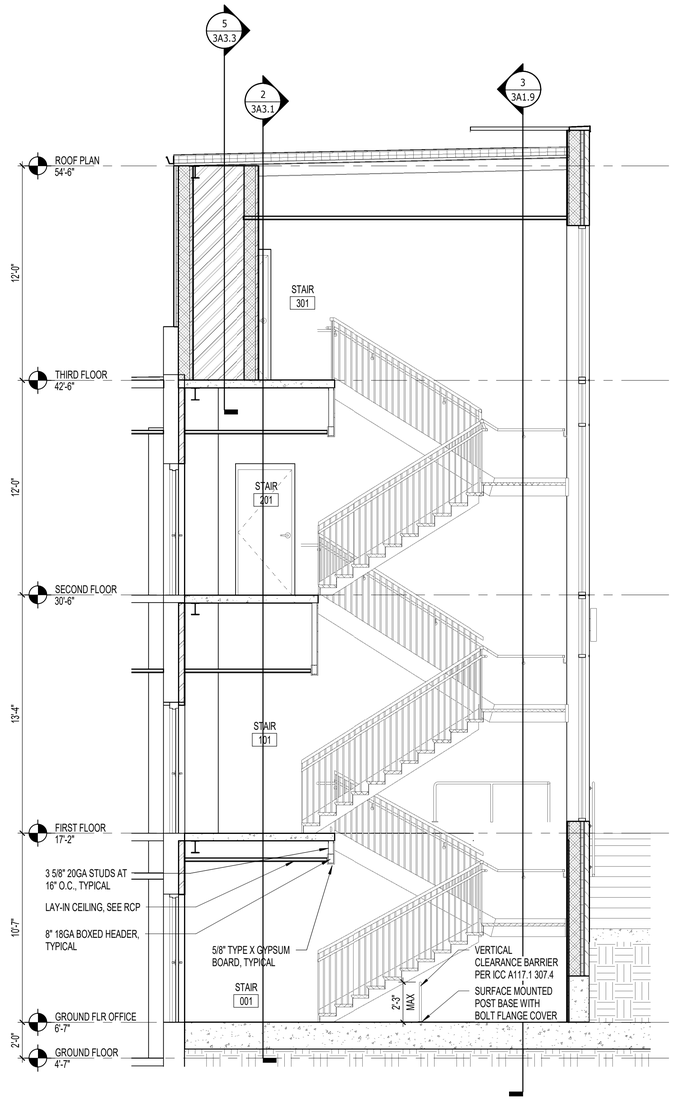
3 3A1.8 **STAIR - 201**

1/4" = 1'-0"



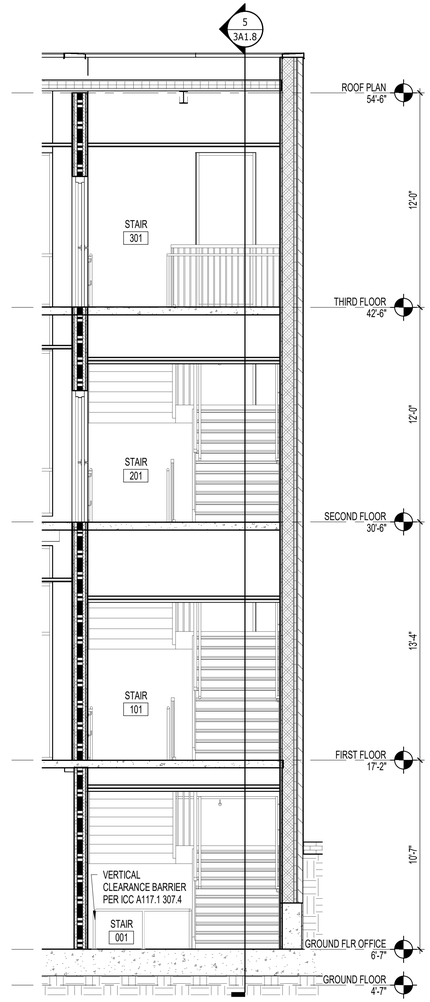
4 3A1.8 **STAIR - 301**

1/4" = 1'-0"



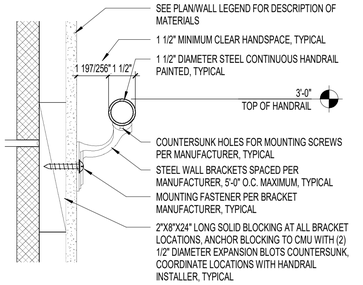
5 3A1.8 **SECTION - FRONT STAIR**

1/4" = 1'-0"



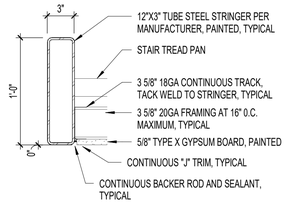
6 3A1.8 **STAIR SECTION**

1/4" = 1'-0"



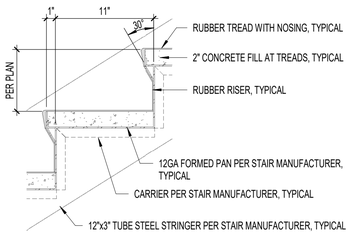
7 3A1.8 **HANDRAIL-WALL**

3" = 1'-0"



8 3A1.8 **STAIR STRINGER**

1 1/2" = 1'-0"



9 3A1.8 **STAIR TREAD**

1 1/2" = 1'-0"

RAILING NOTES

1. ALL STAIR RAILING AND VERTICAL CLEARANCE BARRIER SHALL COMPLY WITH APPLICABLE NCSBC AND ACCESSIBILITY CODES.
2. ALL COMPONENTS SHALL BE TUBE STEEL, PRIMED AND PAINTED COLOR AS SELECTED BY ARCHITECT.
3. ALL FITTINGS SHALL BE WELDED. GRIND ALL WELDS SMOOTH, PRIME AND PAINT.
4. GUARDRAILS SHALL BE 1 1/2" DIAMETER AT 42" ABOVE FINISHED SURFACE.
5. HANDRAILS SHALL BE 1 1/2" DIAMETER AT 36 1/2" ABOVE FINISHED SURFACE WITH MOUNTING BRACKETS PER MANUFACTURER AND AT EACH POST ALONG GUARDRAIL.
6. HANDRAILS AT THE TOP OF STAIRS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12 INCHES MINIMUM BEGINNING DIRECTLY ABOVE THE LANDING NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD OR FLOOR.
7. HANDRAILS AT THE BOTTOM OF STAIRS SHALL EXTEND AT THE SLOPE OF THE STAIR FOR A DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE BOTTOM TREAD NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD OR FLOOR.
8. VERTICAL CLEARANCE BARRIER SHALL BE REMOVABLE.
9. FURNISH AND INSTALL ALL COMPONENTS NECESSARY FOR A COMPLETE INSTALLATION.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL FIRM CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

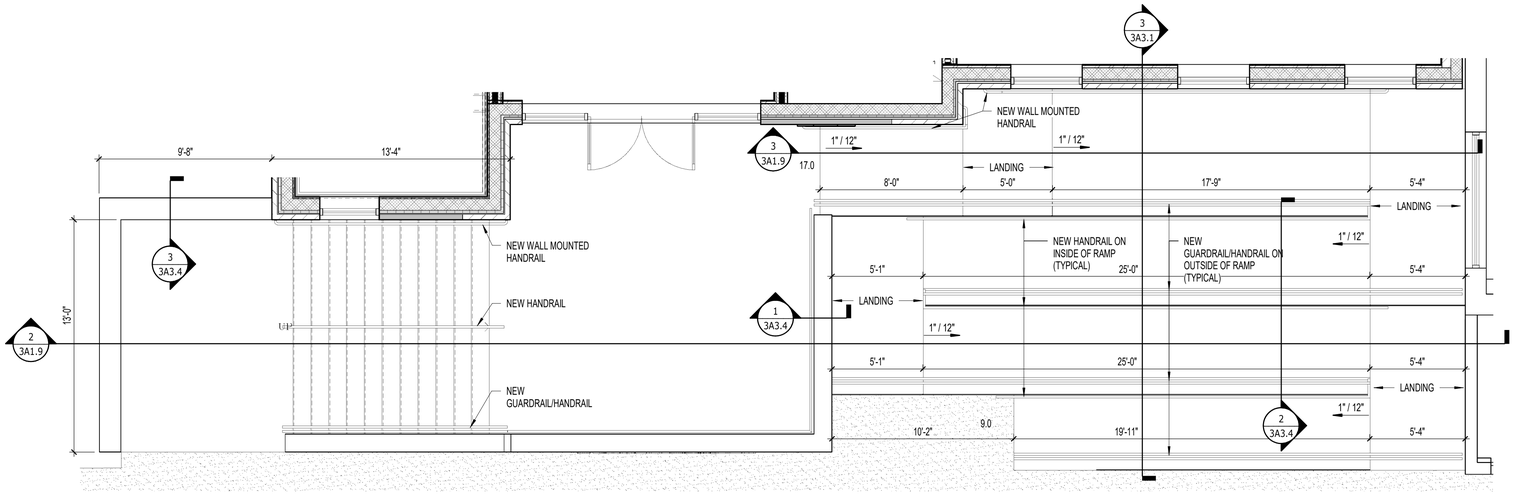
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

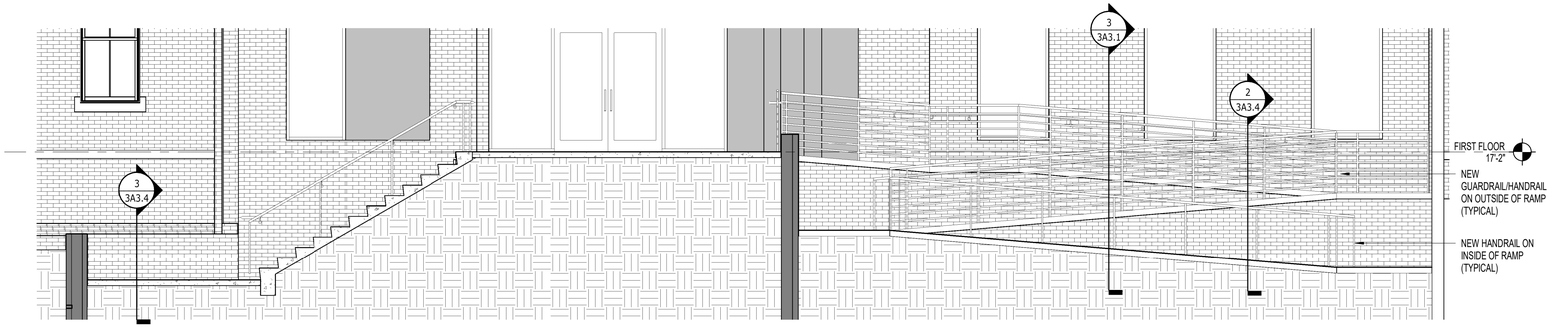
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A1.8
Checked By: TDO	

Sheet Title
STAIR PLANS & DETAILS



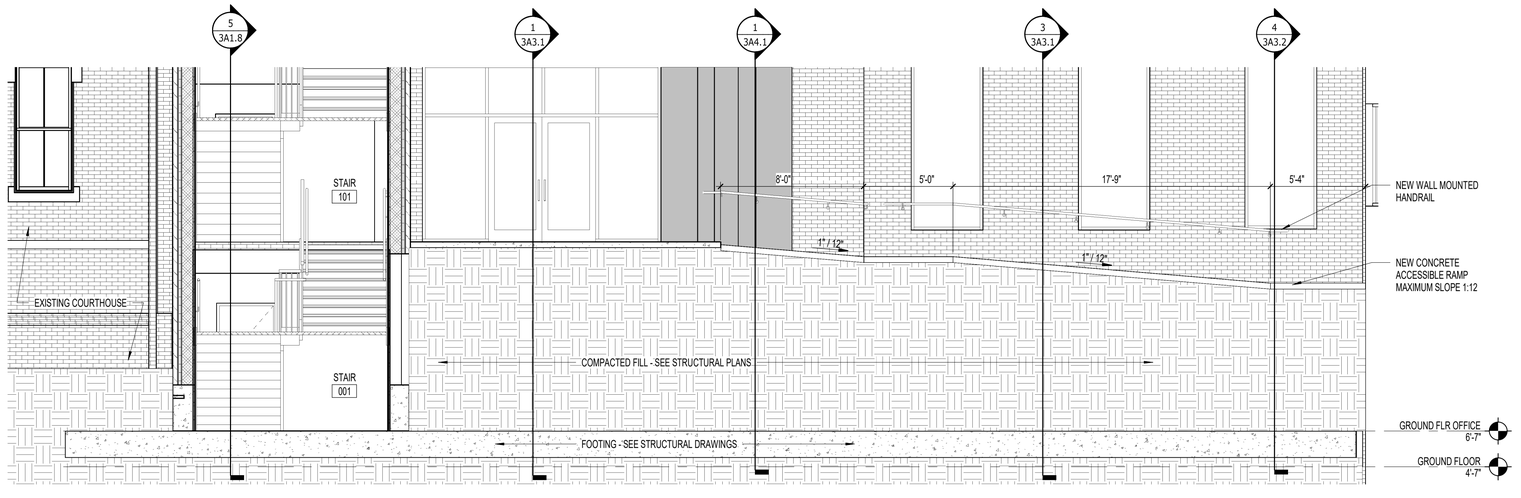
1 / 3A1.9 STAIR - RAMP AT ENTRANCE

1/4" = 1'-0"



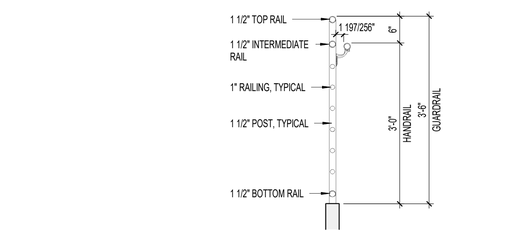
2 / 3A1.9 RAMP SECTION

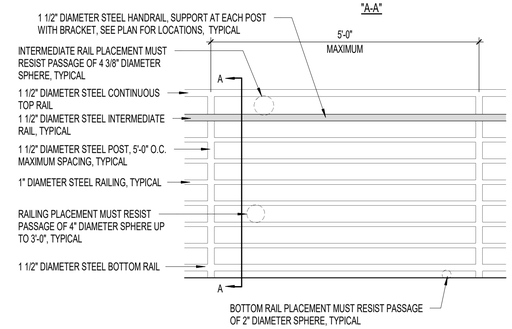
1/4" = 1'-0"



3 / 3A1.9 RAMP SECTION

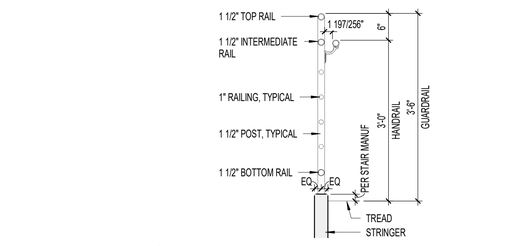
1/4" = 1'-0"

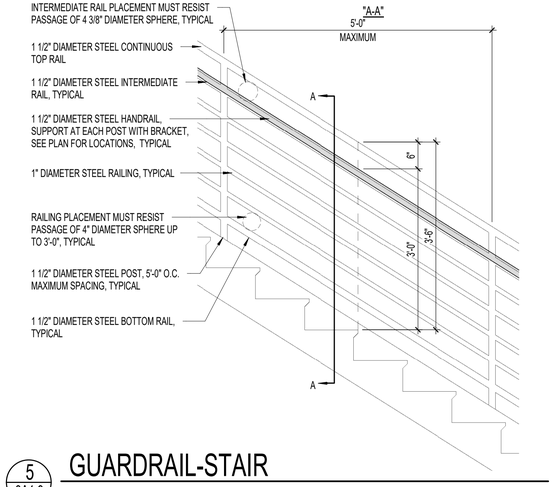




4 / 3A1.9 GUARDRAIL-LANDING

3/4" = 1'-0"





5 / 3A1.9 GUARDRAIL-STAIR

3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. CERT NO. 50681 ROCKY MOUNT, NC

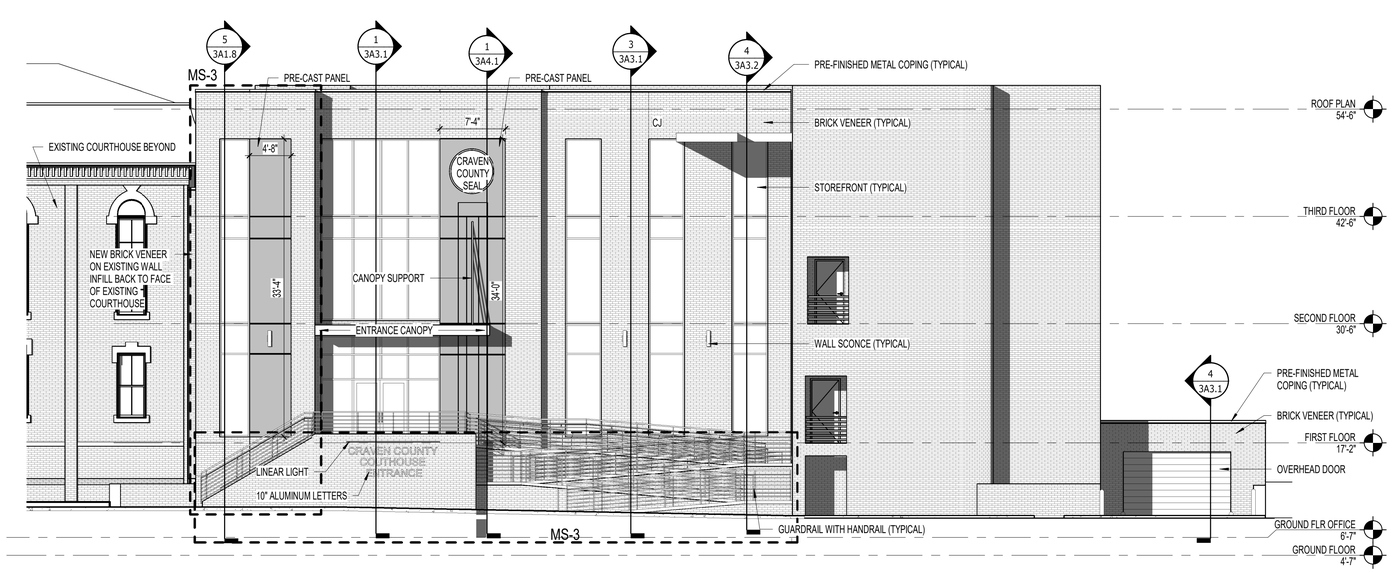
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

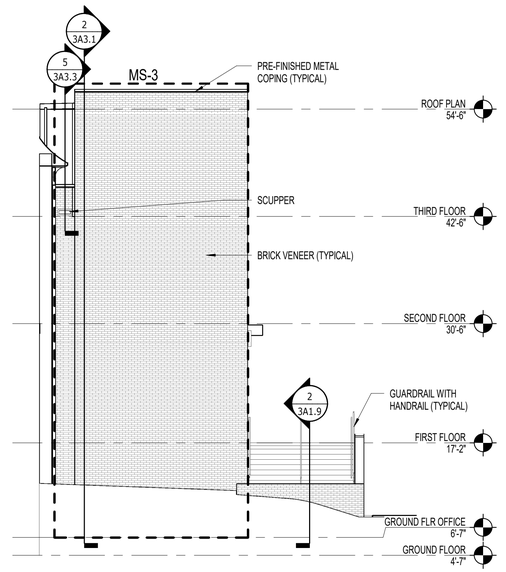
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No. 3A1.9
Checked By: TDO	

Sheet Title
RAMP PLAN & DETAILS



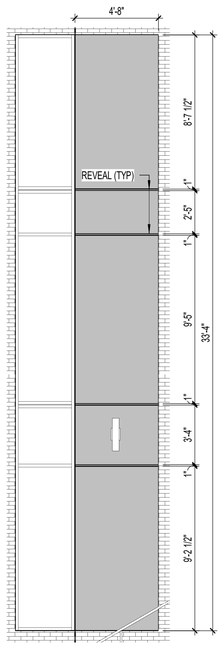
1 3A2.1 **FRONT ELEVATION**

1/8" = 1'-0"



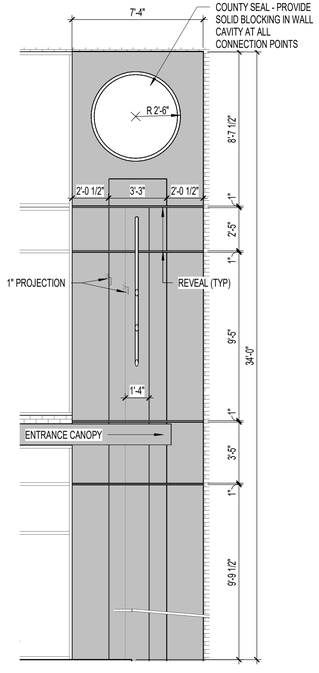
2 3A2.1 **LEFT SIDE ELEVATION**

1/8" = 1'-0"



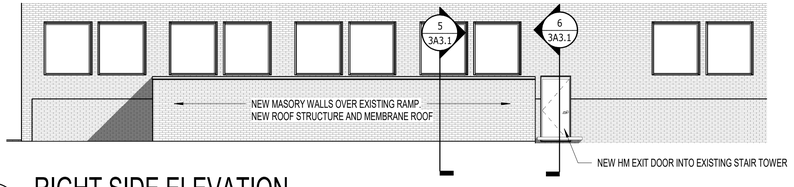
4 3A2.1 **PRECAST ELEVATION 1**

1/4" = 1'-0"



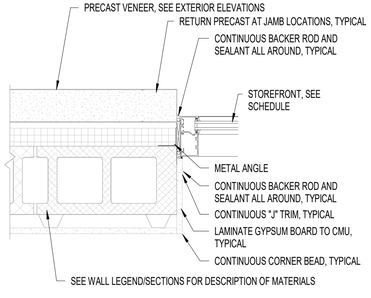
5 3A2.1 **PRECAST ELEVATION 2**

1/4" = 1'-0"



3 3A2.1 **RIGHT SIDE ELEVATION**

1/8" = 1'-0"



6 3A2.1 **JAMB DETAIL**

1 1/2" = 1'-0"

PRECAST NOTES

1. ALL PRECAST CONCRETE COMPONENTS SHALL BE FURNISHED BY THE SAME MANUFACTURER.
2. ALL PRECAST CONCRETE COMPONENTS SHALL HAVE HAND HONED FINISH WITH LIGHT ACID ETCH, COLOR AS SELECTED BY ARCHITECT.
3. ALL DIMENSIONS SHALL BE VERIFIED WITH PRECAST MANUFACTURER.
4. ALL PRECAST CONCRETE COMPONENTS SHALL BE DESIGNED AND ENGINEERED BY THE MANUFACTURER AND SEALED SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
5. CONTRACTOR SHALL VERIFY AND COORDINATE PRECAST CONCRETE INSTALLATION WITH MANUFACTURER.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY ANHORS.
7. PRECAST CONCRETE ANCHOR TYPES, SIZES, LOCATIONS, AND ATTACHMENTS SHALL BE DESIGNED AND ENGINEERED BY THE PRECAST CONCRETE MANUFACTURER.

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

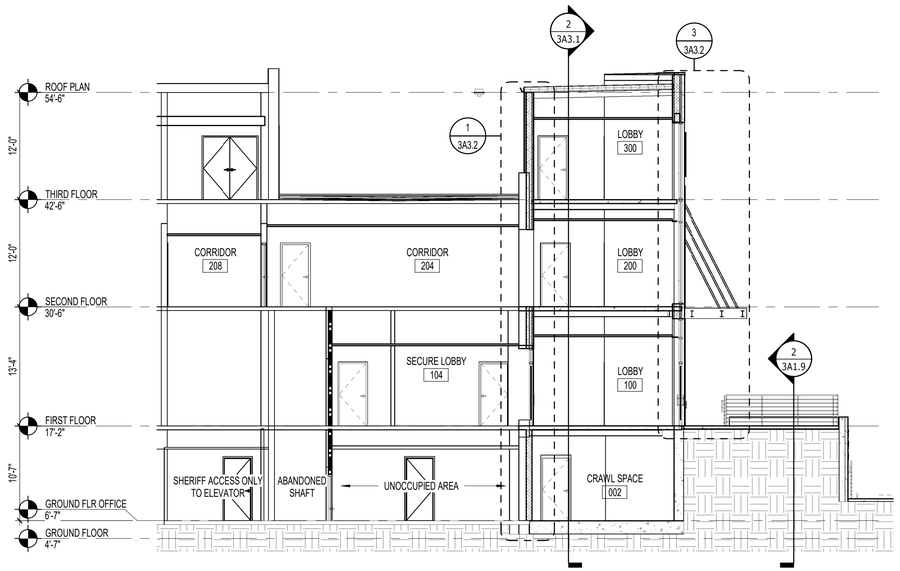
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

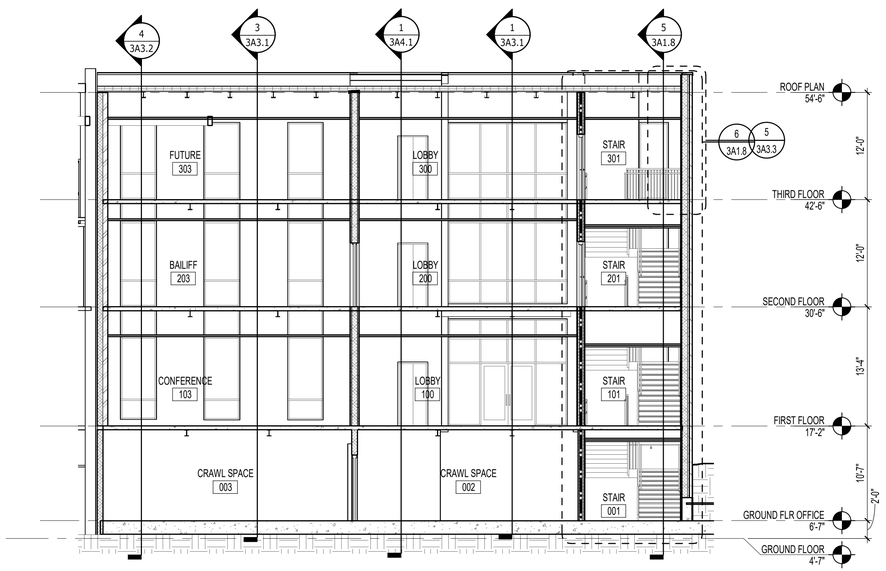
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A2.1
Checked By: TDO	

Sheet Title
EXTERIOR ELEVATIONS



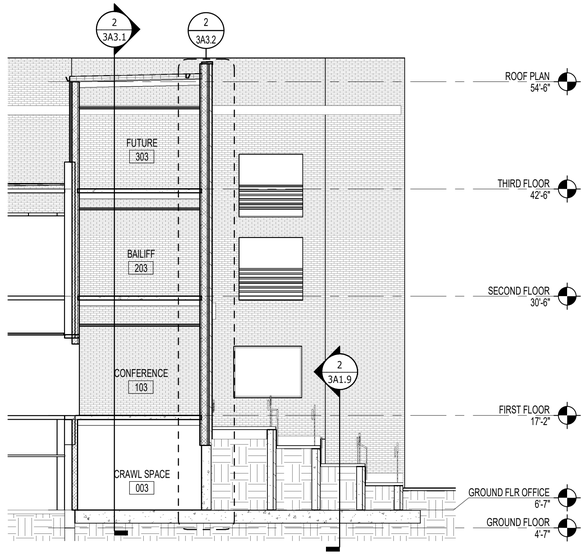
1 3A3.1 **TRANSVERSE SECTION**

1/8" = 1'-0"



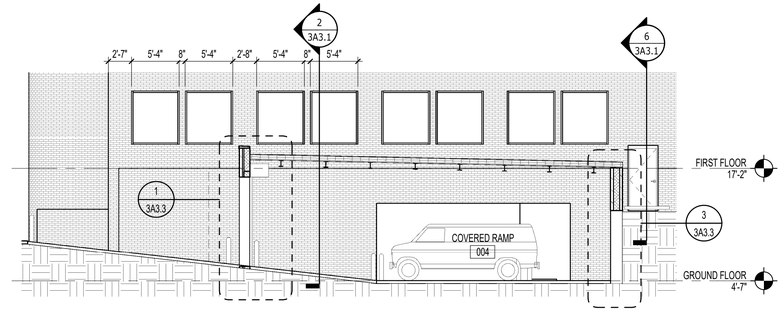
2 3A3.1 **LONGITUDAL SECTION**

1/8" = 1'-0"



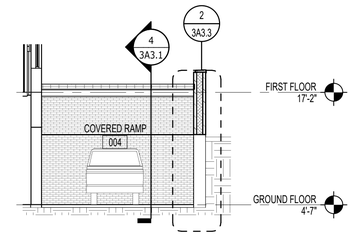
3 3A3.1 **SECTION - FRONT ADDITION**

1/8" = 1'-0"



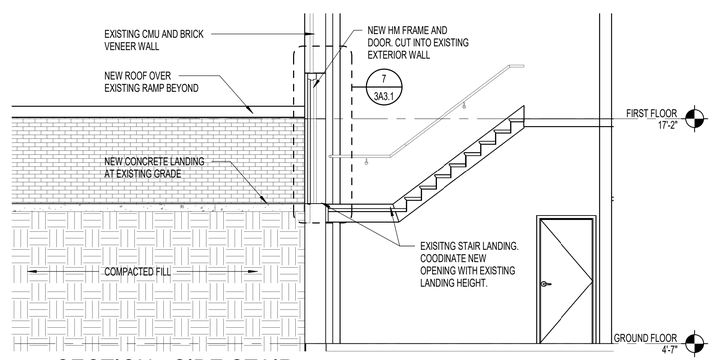
4 3A3.1 **SECTION - DRIVE RAMP**

1/8" = 1'-0"



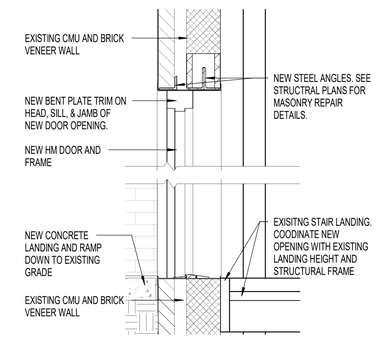
5 3A3.1 **SECTION - DRIVE RAMP 2**

1/8" = 1'-0"



6 3A3.1 **SECTION - SIDE STAIR**

1/4" = 1'-0"



7 3A3.1 **DETAIL - STAIR DOOR**

3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

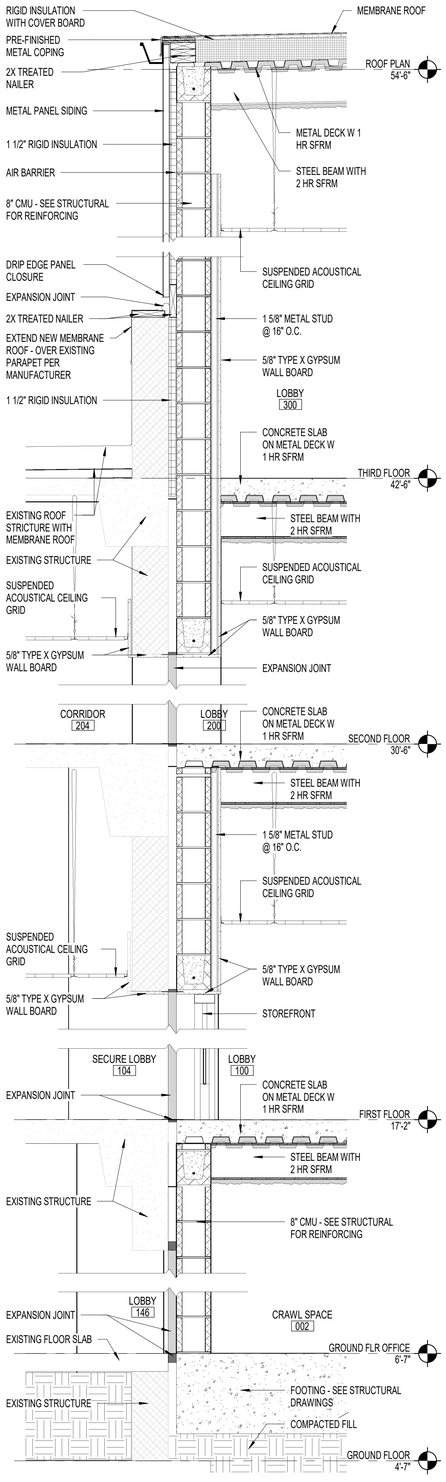
TIMOTHY D. OAKLEY REGISTERED ARCHITECT SEAL 50681 NORTH CAROLINA ROCKY MOUNT, N.C. 01/01/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

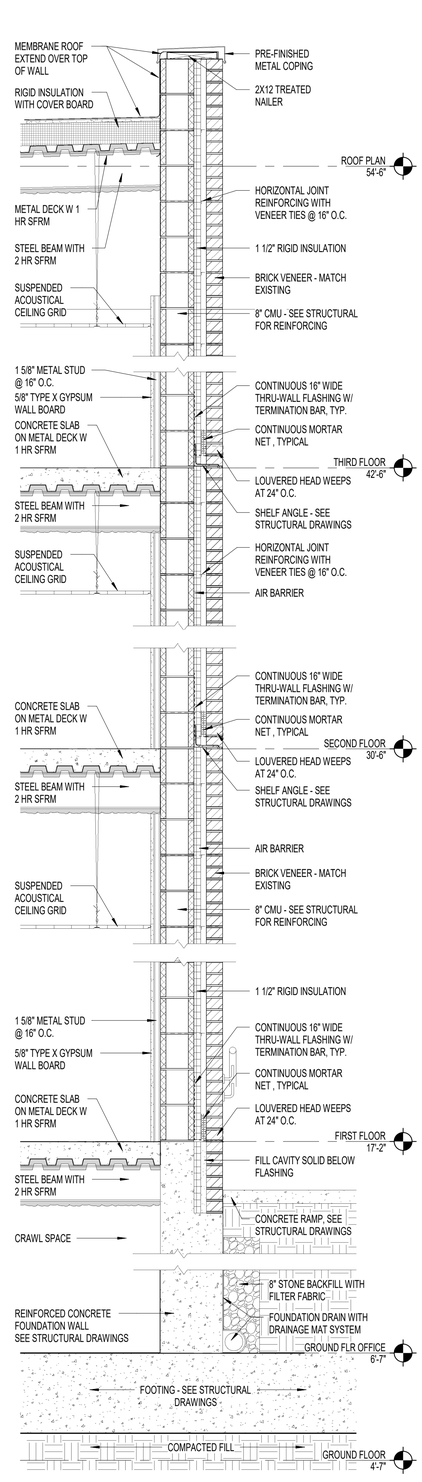
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A3.1
Checked By: TDO	

Sheet Title: BUILDING SECTIONS



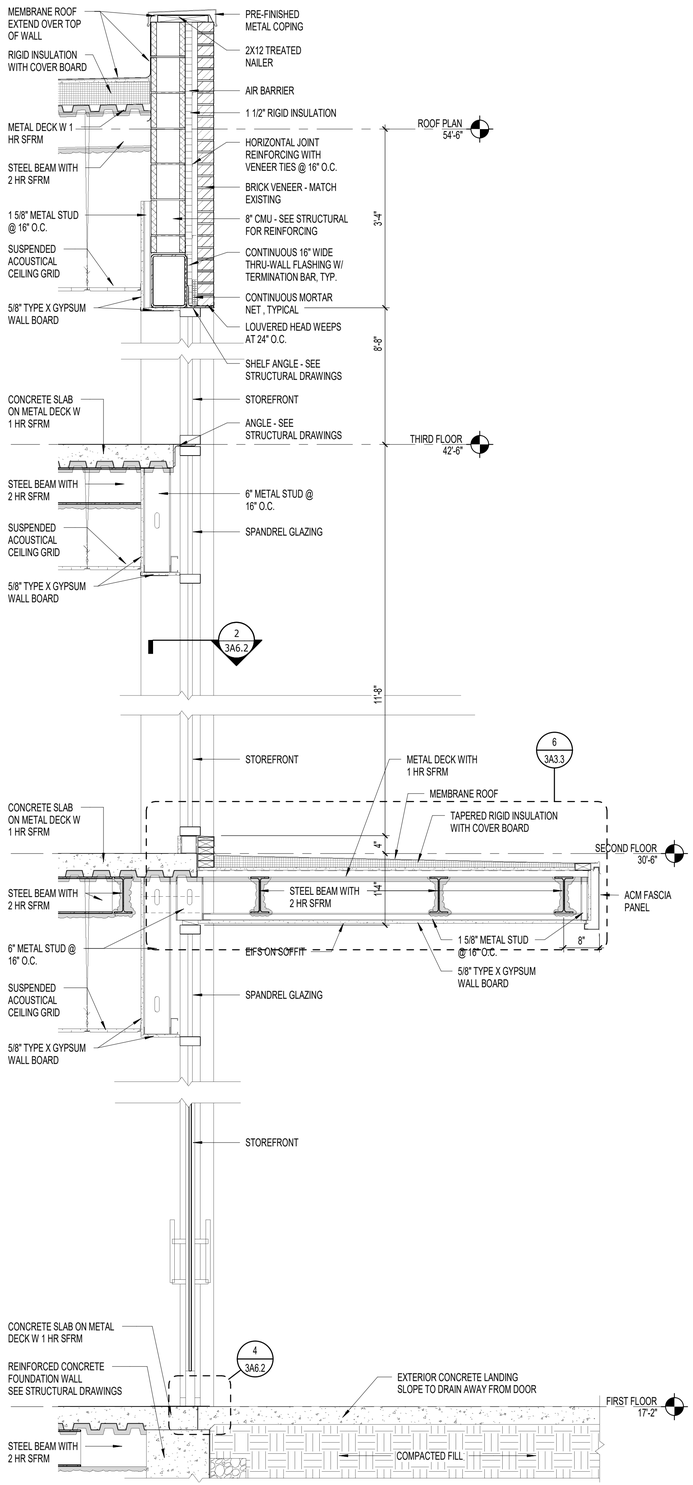
1 3A3.2 **WALL SECTION**

3/4" = 1'-0"



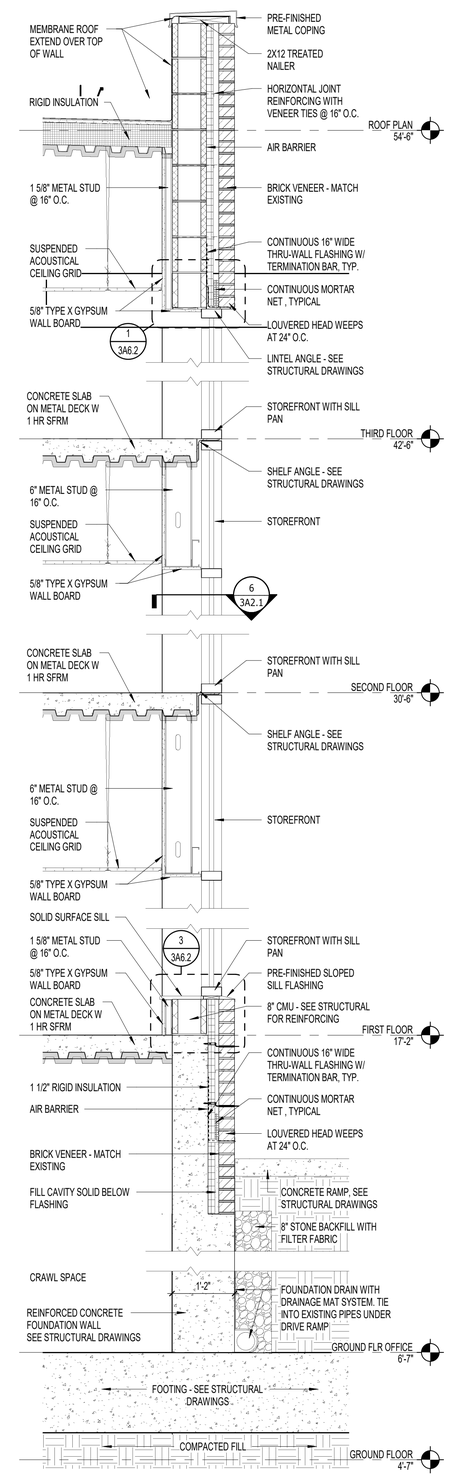
2 3A3.2 **WALL SECTION**

3/4" = 1'-0"



3 3A3.2 **SECTION - FRONT ENTRANCE**

3/4" = 1'-0"



4 3A3.2 **WALL SECTION**

3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS P.A. NORTH CAROLINA REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 50681 ROCKY MOUNT, NC

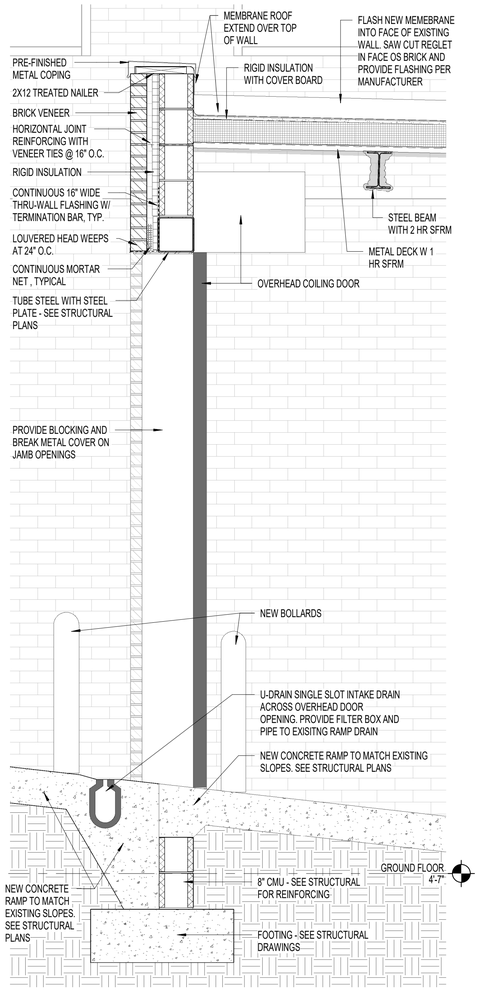
TIMOTHY D. OAKLEY NORTH CAROLINA REGISTERED ARCHITECT 5981 ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

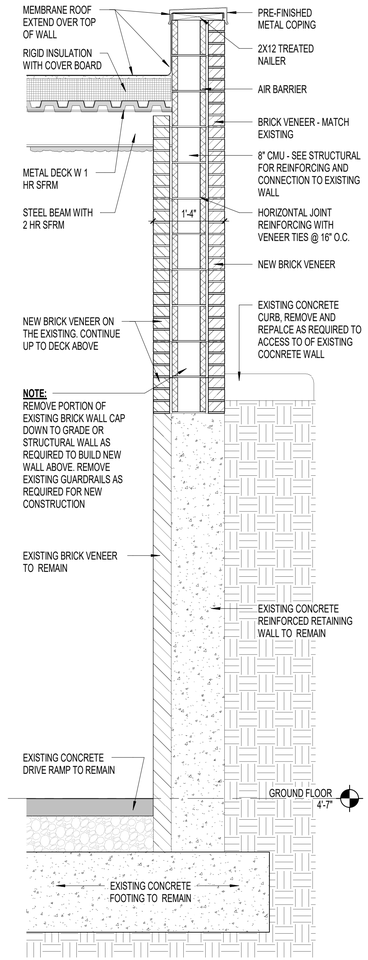
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A3.2
Checked By: TDO	

Sheet Title
WALL SECTIONS



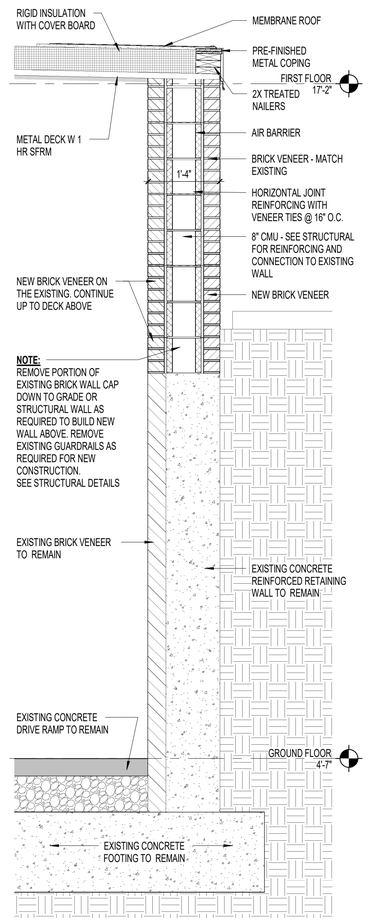
1 / 3A3.3 SECTION - RAMP DOOR

3/4" = 1'-0"



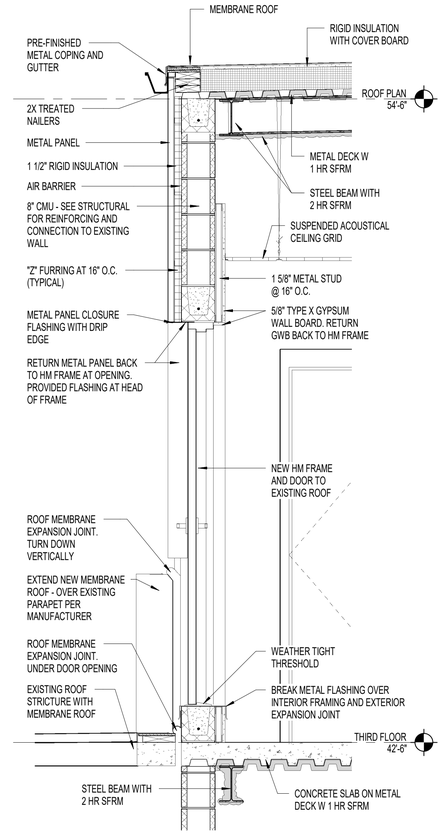
2 / 3A3.3 SECTION - RAMP WALL

3/4" = 1'-0"



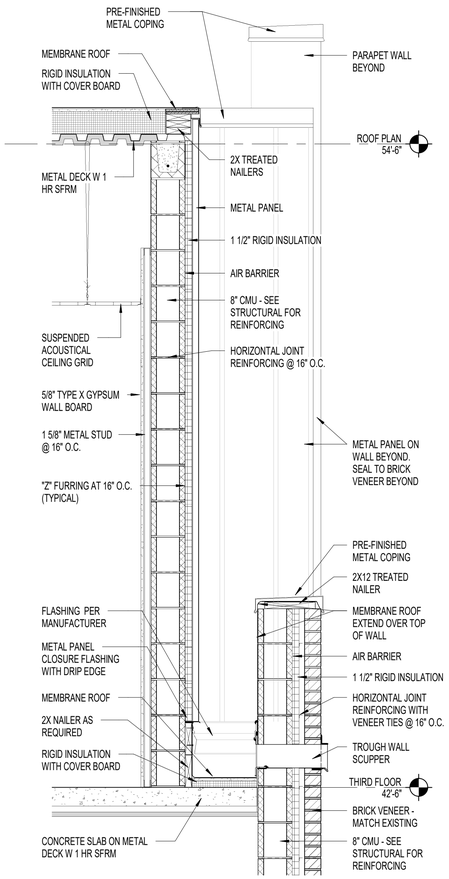
3 / 3A3.3 SECTION - REAR RAMP WALL

3/4" = 1'-0"



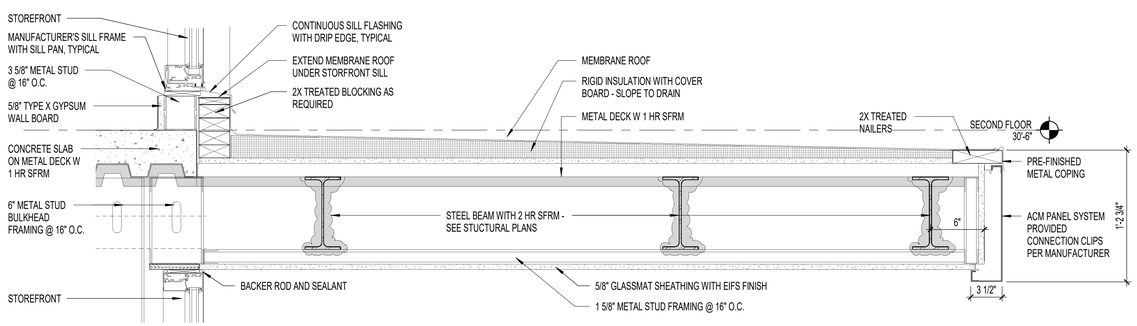
4 / 3A3.3 SECTION - ROOF ACCESS DOOR

3/4" = 1'-0"



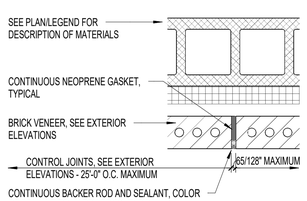
5 / 3A3.3 SECTION - ROOF PARAPET

3/4" = 1'-0"



6 / 3A3.3 DETAIL - CANOPY

1 1/2" = 1'-0"



TYPICAL JOINT AT CMU BACK-UP WALLS

7 / 3A3.3 BRICK CONTROL JOINT

1 1/2" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS PA REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

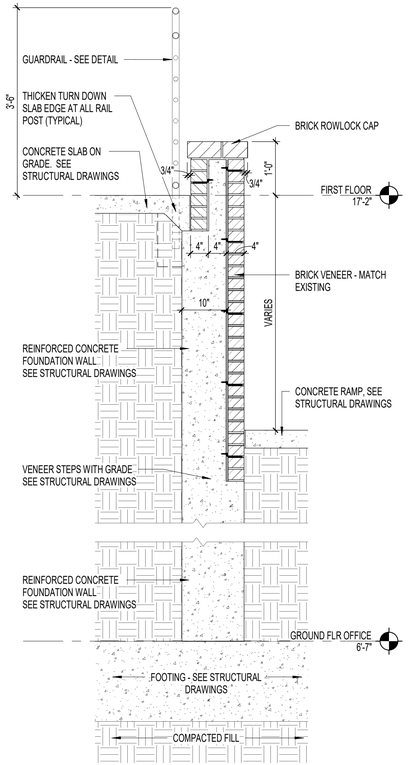
TIMOTHY D. OAKLEY 5981 REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, NC 01/01/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

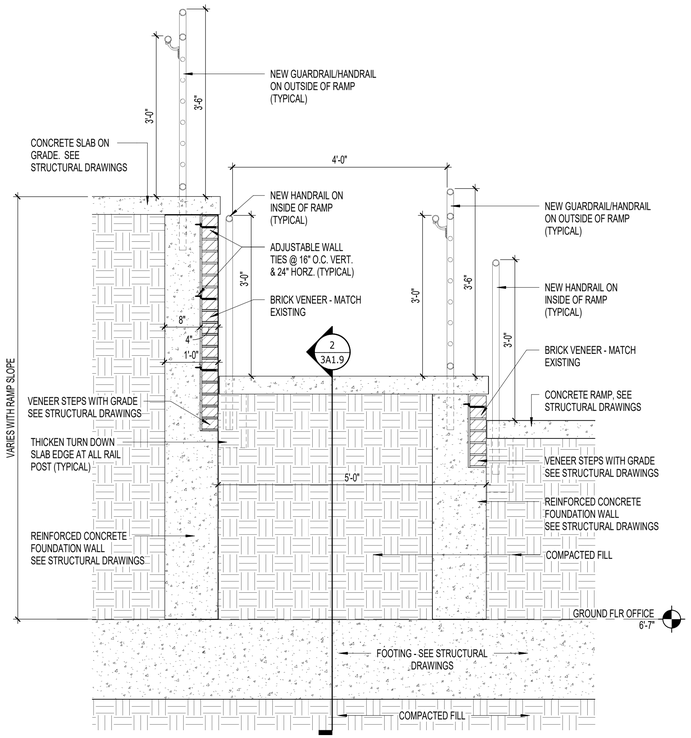
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A3.3
Checked By: TDO	

Sheet Title
WALL SECTIONS



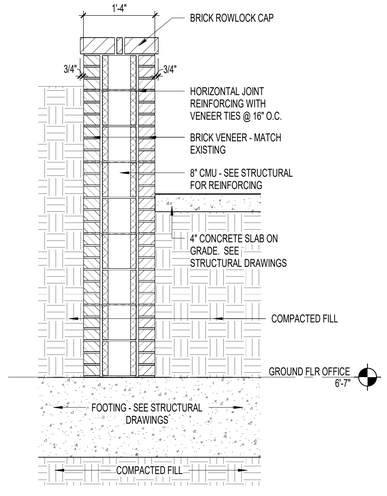
1 3A3.4 SECTION - ENTRANCE WALL

3/4" = 1'-0"



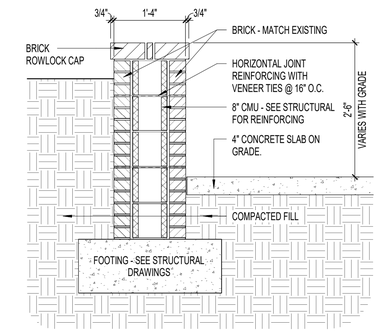
2 3A3.4 SECTION - ENTRANCE RAMP WALL

3/4" = 1'-0"



3 3A3.4 SECTION - RETAINING WALL

3/4" = 1'-0"



4 3A3.4 LANDSCAPE WALL

3/4" = 1'-0"

EXPANSION JOINT LEGEND

EJ

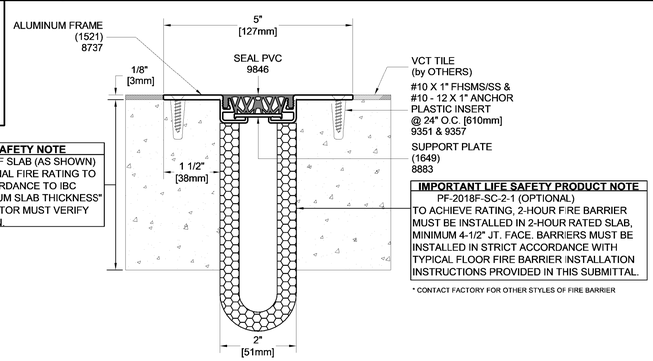
GENERAL EXPANSION JOINT NOTES:

1. PROVIDED EXPANSION JOINTS AROUND ALL OPENINGS WHERE NEW CONSTRUCTION JOINS THE EXISTING BUILDING. (FLOOR, WALLS, CEILINGS)
2. FIRST, SECOND, AND THIRD FLOOR EXPANSION JOINTS ARE THE BE FIRE RATED.
3. PROVIDE EXPIATION JOINTS AT ALL VERTICAL AND HORIZONTAL JOINTS BETWEEN NEW CONSTRUCTION AND THE EXISTING BUILDING.

IMPORTANT LIFE SAFETY NOTE

4-1/2" MINIMUM FACE OF SLAB (AS SHOWN) REQUIRED FOR OPTIONAL FIRE RATING TO BE AVAILABLE IN ACCORDANCE TO IBC TABLE 721.2.2.1 "MINIMUM SLAB THICKNESS" ARCHITECT / CONTRACTOR MUST VERIFY PRIOR TO FABRICATION.

TYPICAL EJ - AT ALL FLOOR JOINTS



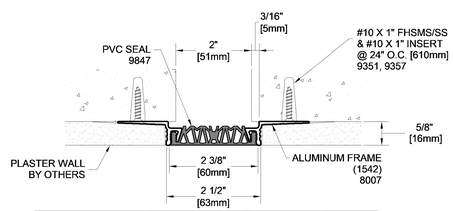
IMPORTANT LIFE SAFETY PRODUCT NOTE

PF-2018F-SC-2-1 (OPTIONAL) TO ACHIEVE RATING, 2-HOUR FIRE BARRIER MUST BE INSTALLED IN 2-HOUR RATED SLAB, MINIMUM 4-1/2" JT. FACE. BARRIERS MUST BE INSTALLED IN STRICT ACCORDANCE WITH TYPICAL FLOOR FIRE BARRIER INSTALLATION INSTRUCTIONS PROVIDED IN THIS SUBMITTAL.

* CONTACT FACTORY FOR OTHER STYLES OF FIRE BARRIER

Model	Nominal "JT"	Joint Opening "JT" Seismic Min.	Thermal Min.	Thermal Max.	Seismic Max.	Total Movement	Mat. Code
FSST-200	2"	1.4375"	1.5"	2.50"	2.50"	1.0625"	FE1903
FSST-200 w/ PF-2018F-SC-2-1	2"	1.4375"	1.5"	2.50"	2.50"	1.0625"	FE1903

TYPICAL EJ - AT ALL INTERIOR WALL AND CEILINGS



Model	Nominal "JT"	Joint Opening "JT" Seismic Min.	Thermal Min.	Thermal Max.	Seismic Max.	Total Movement	Mat. Code
FSWP-200	2"	1.0625"	1.5"	2.5"	2.6875"	1.0"	FE2603

* NOTE THAT SEALS DISENGAGE FROM FRAME AFTER THERMAL MIN AND THERMAL MAX.

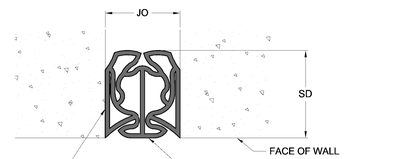
TYPICAL EJ - AT ALL EXTERIOR WALLS AND GROUND FLOOR INTERIOR WALL & CEILINGS

Model Number	Nominal (JO ↔)		Nominal (SL ↔)		Thermal Movement (JO ↕) Minimum		Thermal Movement (JO ↕) Maximum		Seismic Movement (JO ↕) Minimum		Seismic Movement (JO ↕) Maximum		Total (JO ↕) Movement		Seal Depth (SD)	
VCS-225	1.375	35	1.375	35	0.75	19	2.00	51	1.375	35	2.00	51	1.25	32	2.00	51

Dimension shown in inches (bold) and millimeters. JO = Joint Opening. SL = Sight Line. Color Options for rubber seals are Black (standard) and Fog Gray or Special Order Prairier Beige.



RELAXED



COMPRESSED

VCS Expansion Joint
(Wall-to-Wall)

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St. Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS P.A. CERT. NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

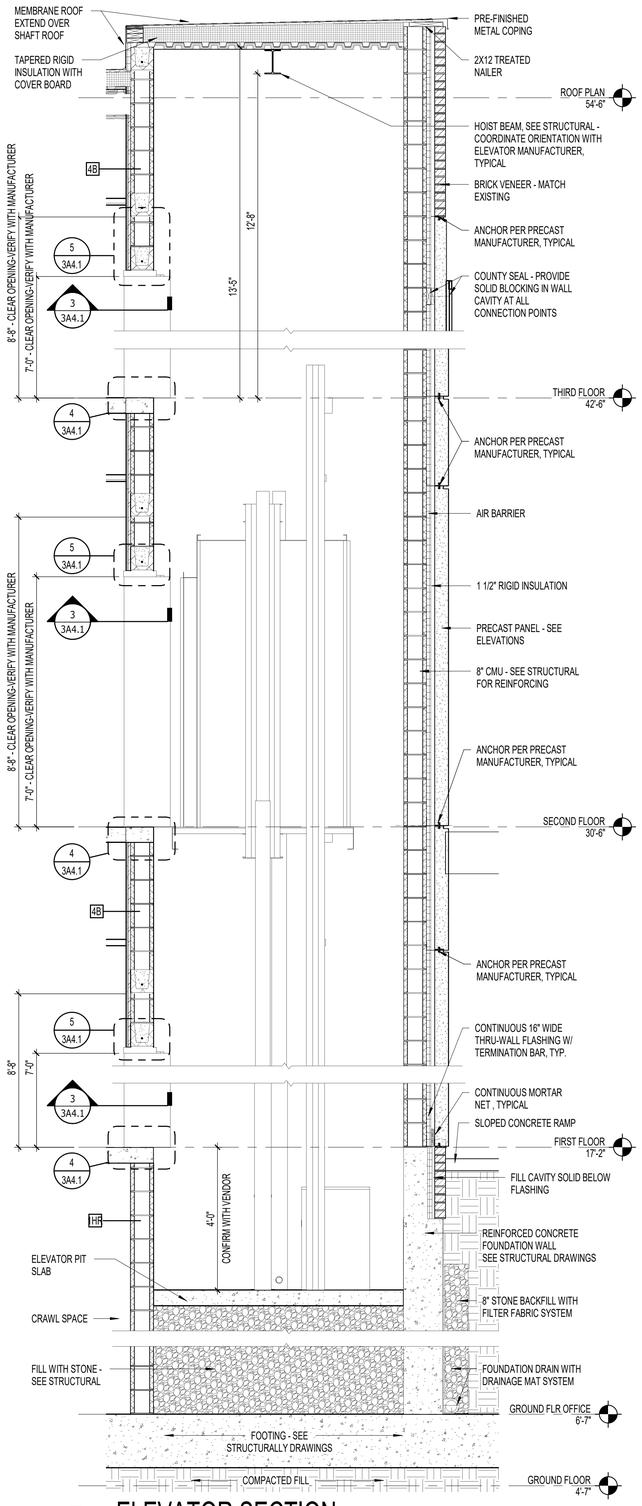
TIMOTHY D. OAKLEY 5001 REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 01/01/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

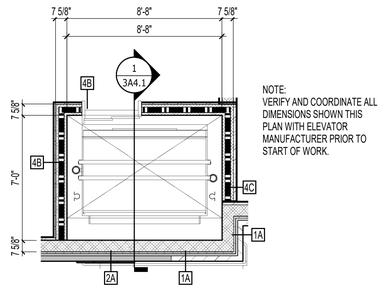
Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A3.4
Checked By: TDO	

Sheet Title
WALL SECTIONS



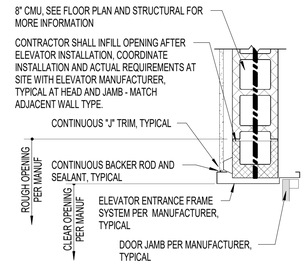
1 3A4.1 ELEVATOR SECTION

1/2" = 1'-0"



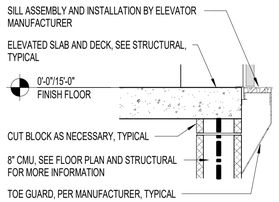
2 3A4.1 ELEVATOR PLAN

1/4" = 1'-0"



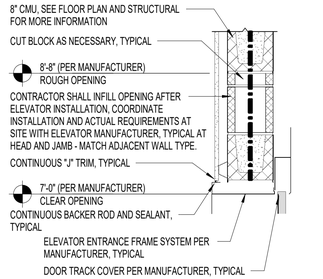
3 3A4.1 ELEV - DOOR JAMB

1" = 1'-0"



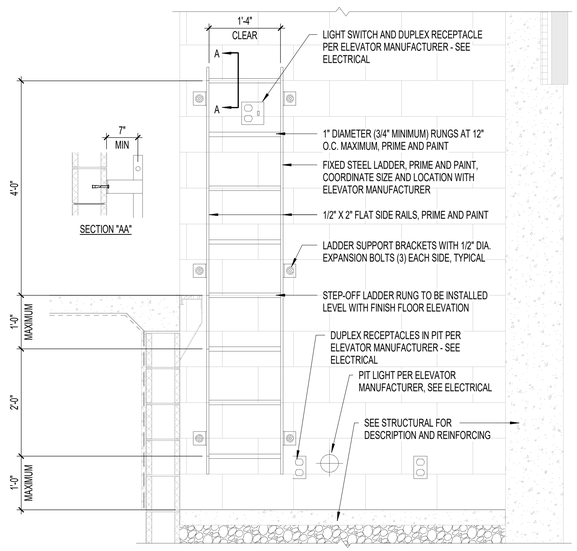
4 3A4.1 ELEV - DOOR SILL

1" = 1'-0"



5 3A4.1 ELEV - DOOR HEAD

1" = 1'-0"



6 3A4.1 ELEVATOR PIT

3/4" = 1'-0"

Copyright © 2023 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS P.A. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 50681 ROCKY MOUNT, NC

TIMOTHY D. OAKLEY REGISTERED ARCHITECT SEAL 5881 NORTH CAROLINA ROCKY MOUNT, NC 07/07/23

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

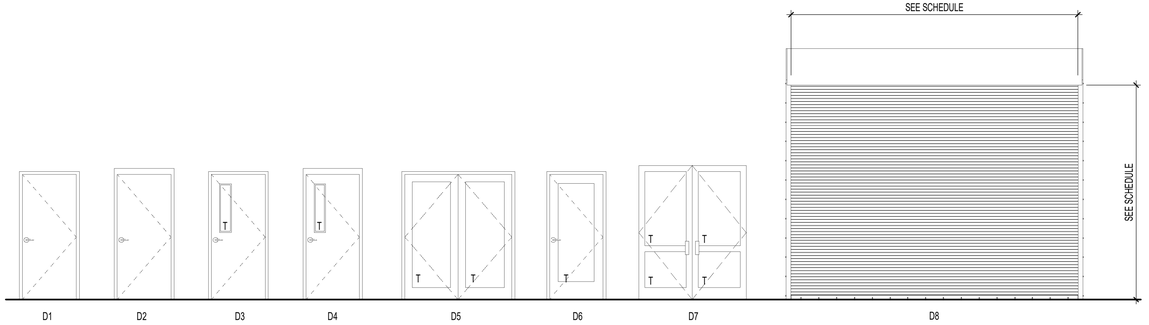
Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A4.1
Checked By: TDO	

Sheet Title
ELEVATOR DETALS & SECTIONS

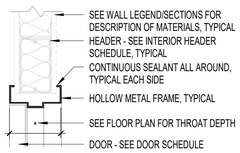
DOOR SCHEDULE

	SIZE			DOOR DESCRIPTION					FRAME DESCRIPTION			NOTE	
DOOR NO.	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	GLAZING	ELEVATION	RATING	MATERIAL	FINISH	RATING		DOOR NO.
001	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED		D2	1 HR	HOLLOW METAL	PAINTED	1 HOUR		001
002	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED		D1	N/A	HOLLOW METAL	PAINTED			002
003	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED		D1	N/A	HOLLOW METAL	PAINTED			003
004	12'-0"	10'-0"	3"	ALUMINUM	PRE-FINISHED		D8	N/A	ALUMINUM	PRE-FINISHED			004
005	2'-10"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED				HOLLOW METAL	PAINTED	1 HOUR	MATCH EXISTING DOOR OPENING	005
100A	6'-0"	7'-0"	1 3/4"	ALUMINUM	PRE-FINISHED		D5	N/A	ALUMINUM	PRE-FINISHED			100A
100B	6'-0"	7'-0"	1 3/4"	ALUMINUM	PRE-FINISHED		D7	N/A	ALUMINUM	PRE-FINISHED			100B
100C	6'-0"	7'-0"	1 3/4"	ALUMINUM	PRE-FINISHED		D7	N/A	ALUMINUM	PRE-FINISHED			100C
101A	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED	1 HR	D4	1 HOUR	HOLLOW METAL	PAINTED	1 HOUR		101A
103	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			103
104	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D3	N/A	HOLLOW METAL	PAINTED			104
105	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			105
106	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			106
107	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			107
108	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			108
110	6'-0"	7'-0"	1 3/4"					N/A	HOLLOW METAL	PAINTED		RELOCATE EXISTING DOOR	110
111	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED		D2	N/A	HOLLOW METAL	PAINTED			111
201A	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED	1 HR	D4	1 HOUR	HOLLOW METAL	PAINTED	1 HOUR		201A
201B	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED	1 HR	D4	1 HOUR	HOLLOW METAL	PAINTED	1 HOUR		201B
203	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			203
204	3'-0"	7'-0"	1 3/4"					N/A				EXISTING DOOR TO REMAIN	204
205	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			205
206	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			206
207A	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D3	N/A	HOLLOW METAL	PAINTED			207A
207B	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED	VISION PANEL	D6		EXISTING	PAINTED			207B
209	3'-0"	8'-0"	1 3/4"					N/A				RELOCATE EXISTING DOOR	209
301A	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED	1 HR	D4	1 HOUR	HOLLOW METAL	PAINTED	1 HOUR		301A
301B	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED		D1	N/A	HOLLOW METAL	PAINTED			301B
303	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD	PRE-FINISHED		D1	N/A	HOLLOW METAL	PAINTED			303



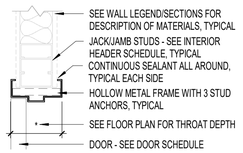
DOOR ELEVATIONS

1/4" = 1'-0"



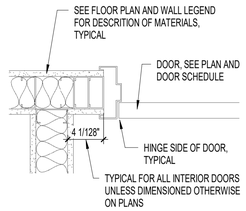
1 3A6.1 **HEAD DETAIL**

1 1/2" = 1'-0"



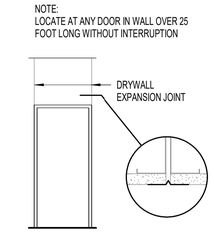
2 3A6.1 **JAMB DETAIL**

1 1/2" = 1'-0"



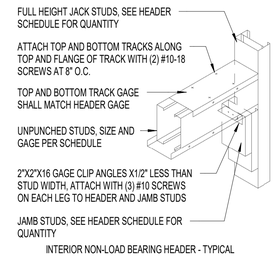
3 3A6.1 **DOOR PLACEMENT**

1 1/2" = 1'-0"



4 3A6.1 **EXPANSION JOINT**

3" = 1'-0"



5 3A6.1 **DETAIL**

1/2" = 1'-0"

INTERIOR HEADER SCHEDULE

OPENING	SIZE	JACK	JAMB
0'-0" TO 5'-0"	3 5/8" X 20 GA.	2	2
5'-1" TO 7'-0"	6" X 20 GA.	2	2
7'-1" TO 10'-0"	8" X 20 GA.	2	3

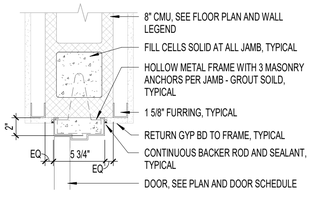
ALL BOXED HEADERS SHALL BE SIZED TO FIT WALL SIZES SHOWN ARE MINIMUMS.

PROVIDE JACK AND JAMB STUDS AT EACH INTERIOR HEADER LOCATION AS SCHEDULED UNLESS NOTED OTHERWISE ON ARCHITECTURAL OR STRUCTURAL PLANS.

SEE STRUCTURAL PLANS FOR ALL EXTERIOR HEADERS.

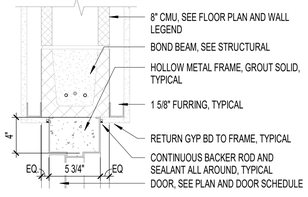
GENERAL DOOR NOTES

1. ALL HARDWARE SHALL MEET ALL APPLICABLE HANDICAP CODES.
2. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
3. EXTERIOR DOOR GLAZING SHALL BE 5/8" TEMPERED INSULATING, TYPICAL, U.N.O.
4. EXTERIOR DOOR GLAZING SHALL BE TINTED TO MATCH STOREFRONT GLAZING
5. FURNISH AND INSTALL DOOR CLOSERS AS SCHEDULED IN COMPLIANCE WITH ALL APPLICABLE CODES.
6. ALL HOLLOW METAL DOOR FRAMES SHALL BE FULLY WELDED TYPE, FACTORY PRIMED, AND FIELD PAINTED. INSTALL PER MANUFACTURER FOR PROPER INSTALLATION AND OPERATION FOR SPECIFIC APPLICATIONS.
7. ALL WOOD DOORS SHALL BE STAIN GRADE, SPECIES, AND COLOR PER ARCHITECT.
8. ALL ALUMINUM STOREFRONT AND DOORS SHALL BE PREFINISHED COLOR TO MATCH THE EXISTING.
9. DOOR THRESHOLDS SHALL BE 1/2" MAXIMUM HEIGHT.



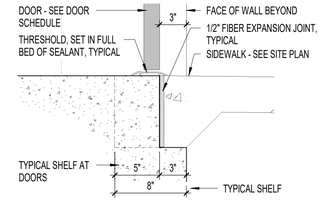
6 3A6.1 **JAMB DETAIL**

1 1/2" = 1'-0"



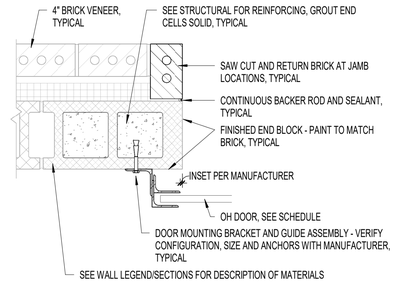
7 3A6.1 **HEAD DETAIL**

1 1/2" = 1'-0"



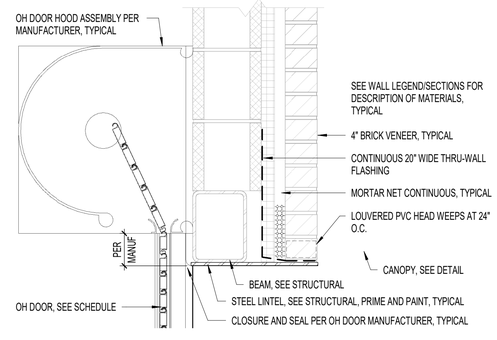
8 3A6.1 **SILL DETAIL**

1 1/2" = 1'-0"



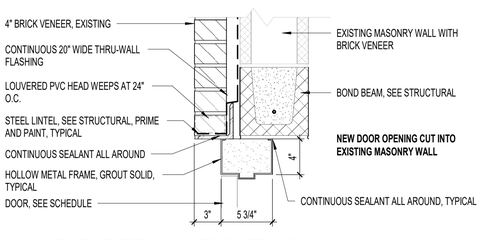
9 3A6.1 **JAMB DETAIL - OH DOOR**

1 1/2" = 1'-0"



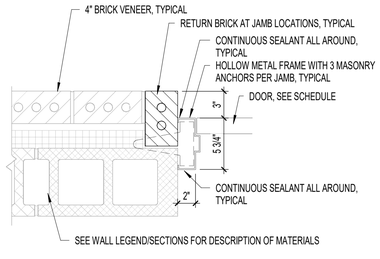
10 3A6.1 **HEAD DETAIL - OH DOOR**

1 1/2" = 1'-0"



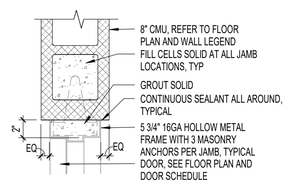
11 3A6.1 **HEAD DETAIL - EXISTING WALL**

1 1/2" = 1'-0"



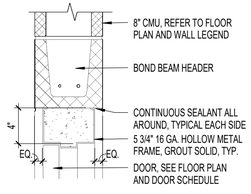
12 3A6.1 **JAMB DETAIL - EXISTING WALL**

1 1/2" = 1'-0"



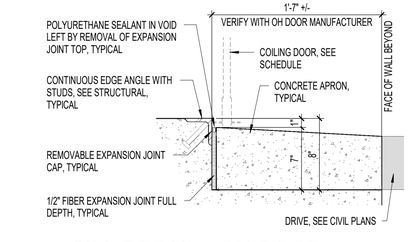
13 3A6.1 **JAMB - INT H.M. MASONRY**

1 1/2" = 1'-0"



14 3A6.1 **HEAD - INT H.M. MASONRY**

1 1/2" = 1'-0"



15 3A6.1 **SILL DETAIL - OH DOOR**

1 1/2" = 1'-0"

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
205 W. Martin St, Raleigh, NC 27601

PHASE 3 - RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

Craven County 1712

OAKLEY COLLIER ARCHITECTS P.A. REGISTERED ARCHITECTURAL CORPORATION CERT NO. 50681 NORTH CAROLINA ROCKY MOUNT, NC

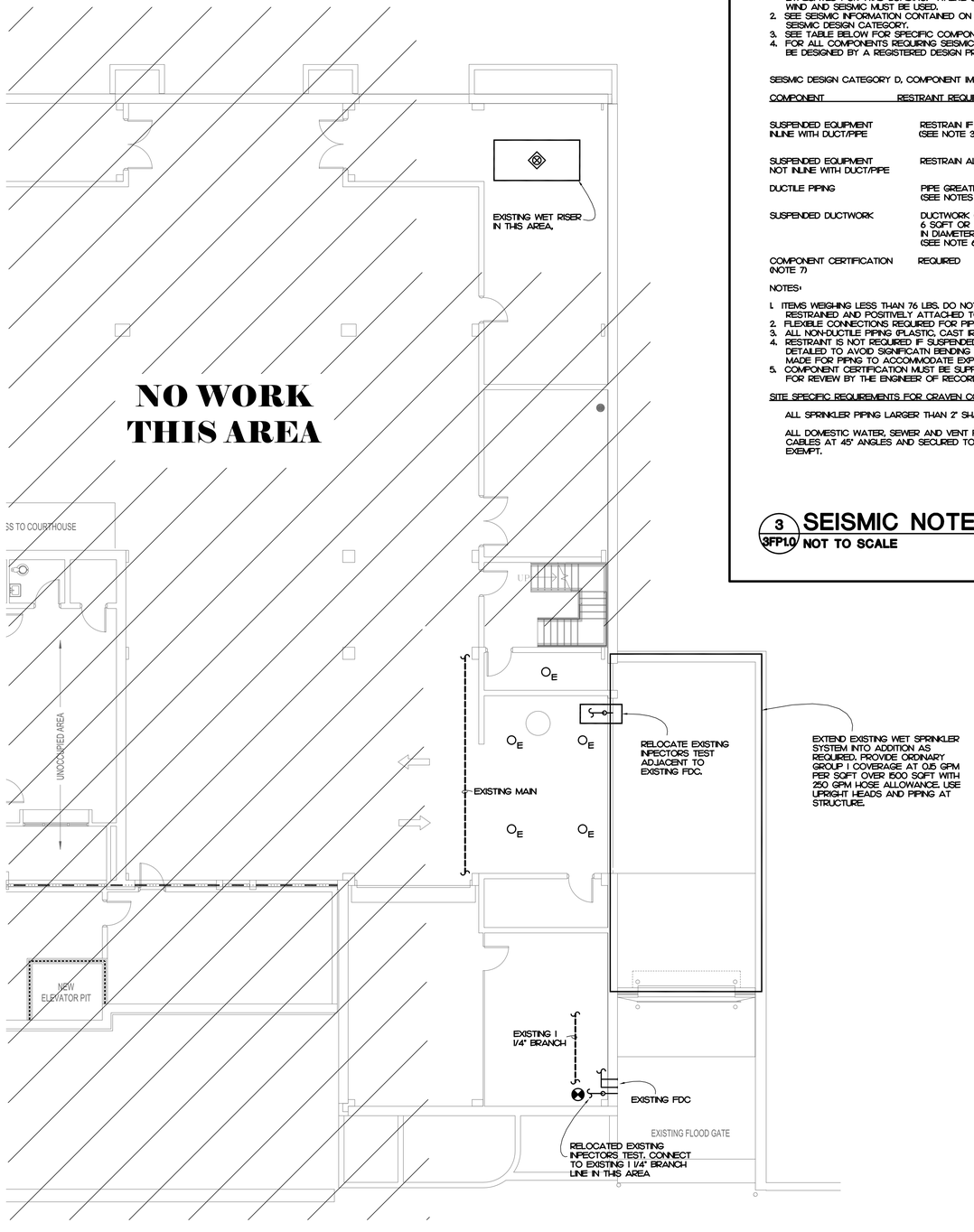
TIMOTHY D. OAKLEY REGISTERED ARCHITECT NORTH CAROLINA ROCKY MOUNT, N.C. 07/07/23

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
JUL 07 2023	22006
Drawn By: DG	Sheet No.: 3A6.1
Checked By: TDO	

Sheet Title: DOOR SCHEDULE & DETAILS



1 3FP1.0 GROUND FLOOR - FIRE PROTECTION RENOVATION

SCALE - 1/8" - 1'-0"

SEISMIC AND WIND REQUIREMETS FOR MECHANICAL SYSTEMS (PER ASCE 7-05)

1. ALL ROOF CURBS/ROOF RAILS INCLUDING THEIR ATTACHMENT TO THE EQUIPMENT AND STRUCTURE MUST BE EVALUATED FOR WIND LOADING. WHERE SEISMIC RESTRAINT IS REQUIRED, THE MORE DEMANDING FORCE OF WIND AND SEISMIC MUST BE USED.
2. SEE SEISMIC INFORMATION CONTAINED ON STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY.
3. SEE TABLE BELOW FOR SPECIFIC COMPONENT RESTRAINT REQUIREMENTS.
4. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL.

SEISMIC DESIGN CATEGORY D, COMPONENT IMPORTANCE FACTOR 1.5

COMPONENT	RESTRAINT REQUIREMENT	ASCE 7-05 REFERENCE
SUSPENDED EQUIPMENT INLINE WITH DUCT/PIPE	RESTRAIN IF >75 LB (SEE NOTE 3,4)	13.6.7
SUSPENDED EQUIPMENT NOT INLINE WITH DUCT/PIPE	RESTRAIN ALL	13.6.3
DUCTILE PIPING	PIPE GREATER THAN 2" (SEE NOTES 5, 6)	13.6.8
SUSPENDED DUCTWORK	DUCTWORK GREATER THAN 6 SQFT OR LARGER THAN 28" IN DIAMETER (SEE NOTE 6)	13.6.7
COMPONENT CERTIFICATION (NOTE 7)	REQUIRED	13.2.2

NOTES:

1. ITEMS WEIGHING LESS THAN 76 LBS. DO NOT NEED RESTRAIN IF THE ATTACHED DUCTWORK/PIPING IS RESTRAINED AND POSITIVELY ATTACHED TO THE EQUIPMENT.
2. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
3. ALL NON-DUCTILE PIPING (PLASTIC, CAST IRON, CERAMIC) MUST BE RESTRAINED.
4. RESTRAINT IS NOT REQUIRED IF SUSPENDED 12" OR LESS FROM THE STRUCTURE AND THE HANGERS ARE DETAILED TO AVOID SIGNIFICATN BENDING OF THE HANGERS AND THEIR ATTACHMENTS AND PROVISIONS ARE MADE FOR PIPING TO ACCOMMODATE EXPECTED DEFLECTIONS.
5. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY THE ENGINEER OF RECORD.

SITE SPECIFIC REQUIREMENTS FOR CRAVEN COUNTY COURTHOUSE

ALL SPRINKLER PIPING LARGER THAN 2" SHALL BE RESTRAINED IN ACCORDANCE WITH NFPA 13.

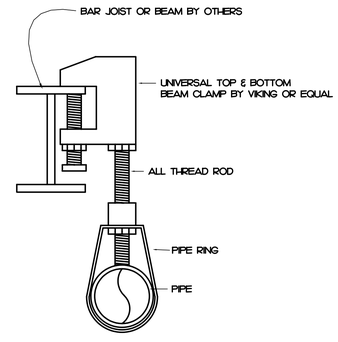
ALL DOMESTIC WATER, SEWER AND VENT PIPING LARGER THAN 2" SHALL BE RESTRAINED WITH CABLES AT 45° ANGLES AND SECURED TO STRUCTURE. PIPING INSTALLED WITHIN 12" OF STRUCTURE SHALL BE EXEMPT.

3 3FP1.0 SEISMIC NOTES

NOT TO SCALE

FIRE PROTECTION GENERAL NOTES

1. THE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES PRIOR TO INSTALLATION. (LIGHTS, PIPES, ETC.).
2. THE SPRINKLER CONTRACTOR SHALL COORDINATE SHUT-OFF TIMES WITH OWNER.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL NFPA CODES, 13 & 72.
4. THE SPRINKLER CONTRACTOR SHALL BE A LICENSED SPRINKLER CONTRACTOR.
5. WIRING FROM ALL TAMPER SWITCHES AND FLOW SWITCHES TO FIRE ALARM PANEL SHALL BE BY THE ELECTRICAL CONTRACTOR.
6. ALL CUTTING AND PATCHING SHALL BE DONE BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
7. ALL PIPE UP TO 2" SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED FITTING. PIPING 2 1/2" AND LARGER SHALL BE SCHEDULE 10 BLACK STEEL WITH ROLLED GROOVE FITTING.
8. ALL HEADS ARE TO BE CENTERED IN TILES UNLESS OTHERWISE NOTED.
9. TESTING SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. PRESSURE TEST SHALL BE STATIC WATER AT TEST PRESSURE OF 200 PSIG FOR 2 HOURS DURATION WITHOUT LEAK FROM ANY JOINT OR SEGMENT OF THE PIPING SYSTEM FROM ANY EQUIPMENT OR DEVICE.
10. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE WORK OF OTHER, TO BUILDING AND PROPERTY / MATERIALS OF OTHERS CAUSED BY LEAKS IN SPRINKLER EQUIPMENT, UNPLUGGED OR DISCONNECTED PIPES FOR FITTINGS, AND SHALL PAY FOR NECESSARY REPLACEMENT OR REPAIR OF WORK OR ITEMS SO DAMAGED DURING THE INSTALLATION AND TESTING PERIODS OF THE STANDPIPE WORK.
11. TESTS PER SECTION 1-11 OF NFPA 13 TO BE WITNESSED BY THE OWNERS INSURANCE UNDERWRITER(S), THE INSTALLING CONTRACTOR AND THE ARCHITECT / ENGINEER FIELD INSPECTOR - REPRESENTATIVE. SPRINKLER CONTRACTOR TO SUBMIT 3 COPIES OF NFPA 13-1990 "CONTRACTOR'S MATERIAL AND TEST CERTIFICATES".
12. FLUSH, TEST, AND INSPECT SPRINKLER PIPING SYSTEMS IN ACCORDANCE WITH NFPA 13.
13. REPLACE PIPING SYSTEM COMPONENTS WHICH DO NOT PASS THE TEST PROCEDURES SPECIFIED, AND RETEST REPAIRED PORTION OF THE SYSTEM. THE CONTRACTOR SHALL PROVIDE A UNIT COST TO ADD ADDITIONAL HEADS REQUIRED IN THE FIELD.
14. THE CONTRACTOR SHALL INCLUDE COST IN CONTRACT TO ADD HEADS REQUIRED IN THE FIELD.
15. THE G.C. TO PAINT EXPOSED PIPING, COORDINATE ROUTING OF PIPING WITH G.C.



2 3FP1.0 HANGER DETAIL

NOT TO SCALE

SYMBOL LEGEND

- EXISTING SPRINKLER RISER
- EXISTING SPRINKLER MAIN
- EXISTING UPRIGHT HEAD

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

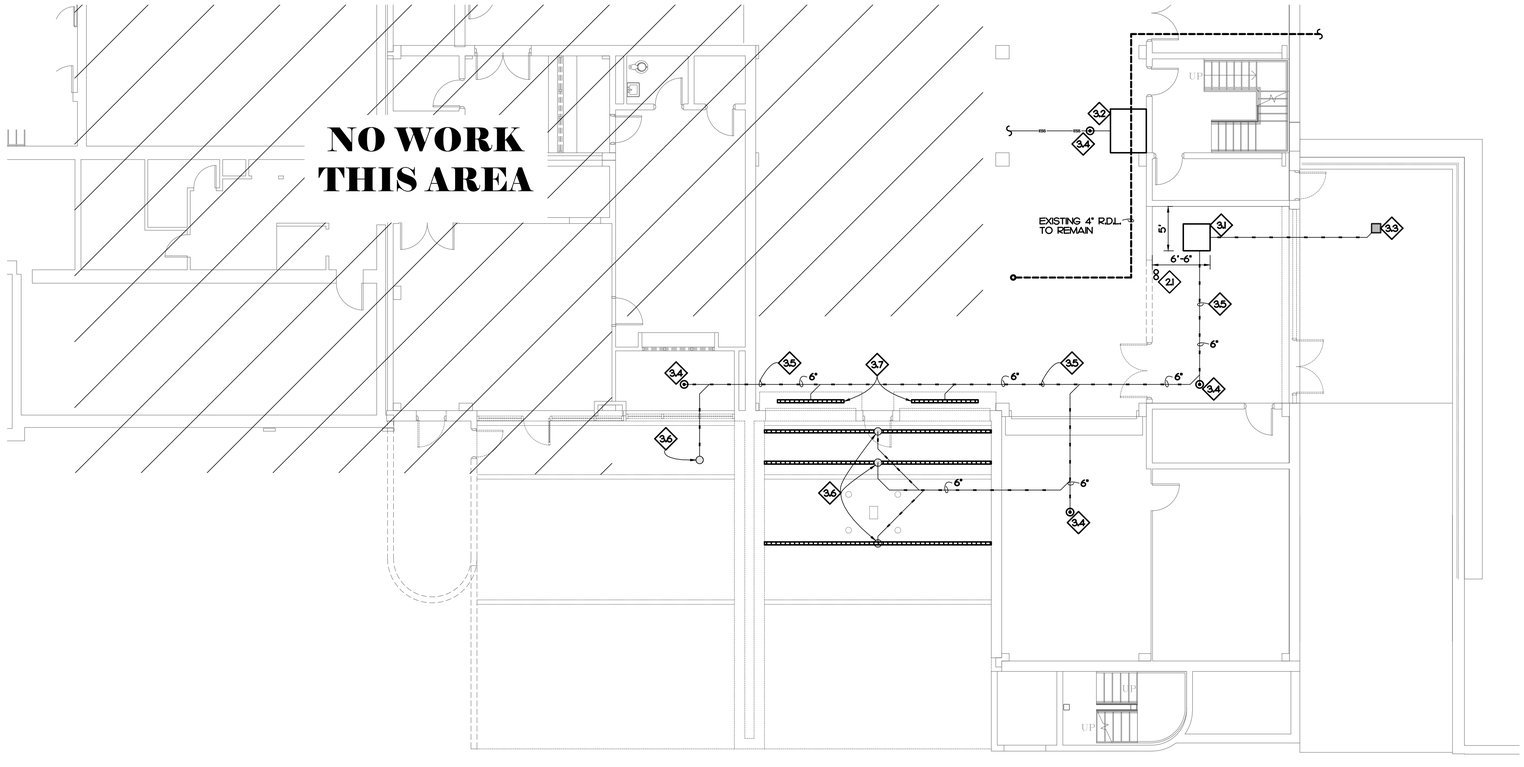
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
4		

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3FP1.0
Checked By: BWF	

Sheet Title: FIRE PROTECTION RENOVATION PLAN

Copyright © 2020 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3P1.0 **GROUND FLOOR - PLUMBING DEMOLITION**
SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

2.1 REMOVE EXISTING HW/CW FAUCET. SEE 3P2.0 FOR NEW LOCATION OF HOSE BIBBS.

3.1 EXISTING PIT AND DUPLEX DEWATERING PUMPS TO REMAIN. SEE ARCHITERUCAL PLANS FOR BOLLARD PROTECTION.

3.2 EXISTING HOLDING TANK TO REMAIN.

3.3 EXISTING DROP INLET TO REMAIN.

3.4 EXISTING CLEANOUT TO REMAIN.

3.5 EXISTING STORM PIPING TO REMAIN. FIELD VERIFY EXACT LOCATION.

3.6 REMOVE EXISTING EXTERIOR DRAIN, CAP PIPE AS REQUIRED. SEE ARCHITECTURAL PLANS FOR REUSE OF PIPING FOR NEW FOUNDATION DRAINAGE.

3.7 EXISTING TRENCH DRAIN TO REMAIN.

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

ATLANTEC ENGINEERS PA No. C-861 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

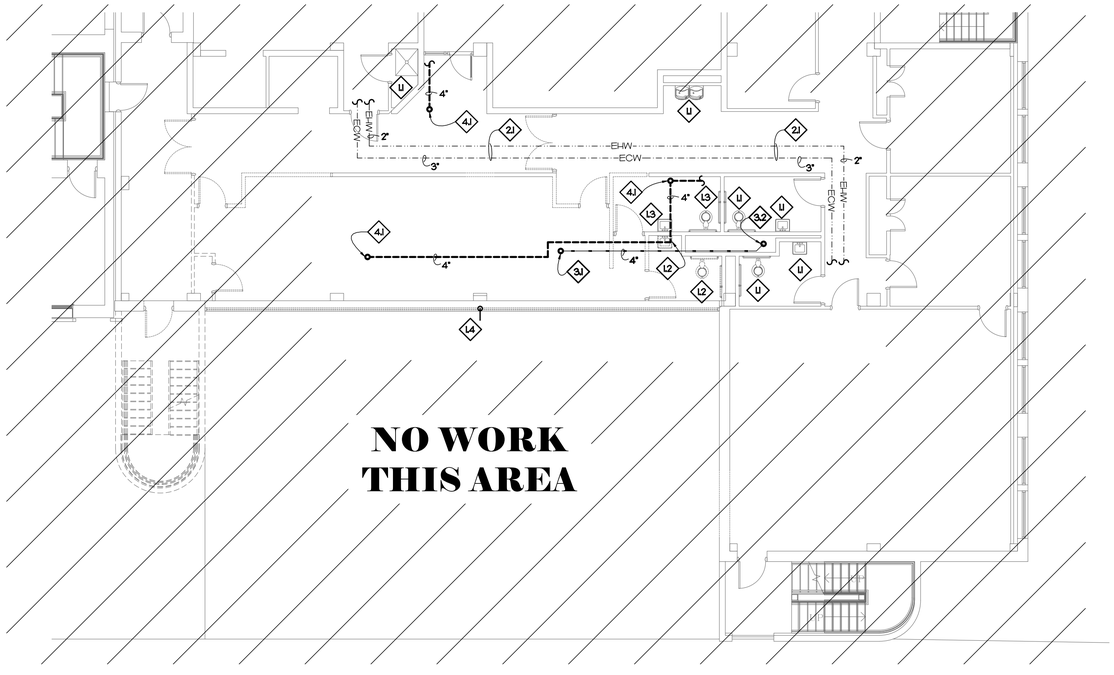
Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3P1.0
Checked By: BWF	

Sheet Title: GROUND FLOOR PLUMBING DEMOLITION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3P1.1 **FIRST FLOOR - PLUMBING DEMOLITION**
SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

- U — PLUMBING FIXTURE, APPURTENANCES, AND ALL RELATED PIPING TO REMAIN.
- L2 — REMOVE EXISTING PLUMBING FIXTURE. CAP WASTE PIPE IN WALL AND WATER ABOVE CEILING.
- L3 — REMOVE EXISTING PLUMBING FIXTURE. ADJUST ROUGH-IN FOR NEW FIXTURE.
- L4 — REMOVE ABANDONED CONDENSATE LINE THROUGH WALL.
- 2J — EXISTING WATER PIPING ABOVE CEILING TO REMAIN.
- 3J — EXISTING 4" WASTE FROM ABOVE TO REMAIN.
- 3.2 — EXISTING 4" WASTE STACK DOWN TO REMAIN.
- 4J — EXISTING 4" R.D.L. FROM ABOVE TO REMAIN.

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA REGISTERED SEAL 025036 ENGINEER BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-861 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

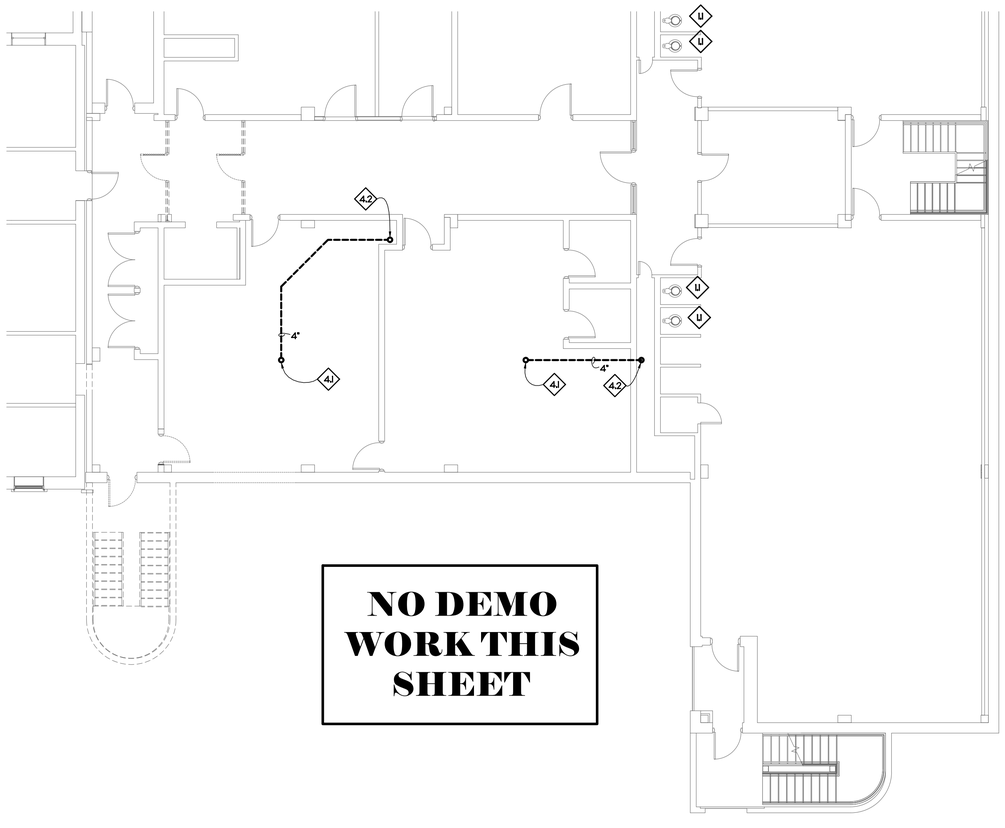
Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P1.1
Checked By: BWF	

Sheet Title: FIRST FLOOR PLUMBING DEMOLITION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3P1.2 SECOND FLOOR - PLUMBING DEMOLITION

SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

U PLUMBING FIXTURE, APPURTENANCES, AND ALL RELATED PIPING TO REMAIN.

4.1 EXISTING 4" R.D.L. FROM ABOVE TO REMAIN.

4.2 EXISTING 4" R.D.L. DOWN TO REMAIN.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-861

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

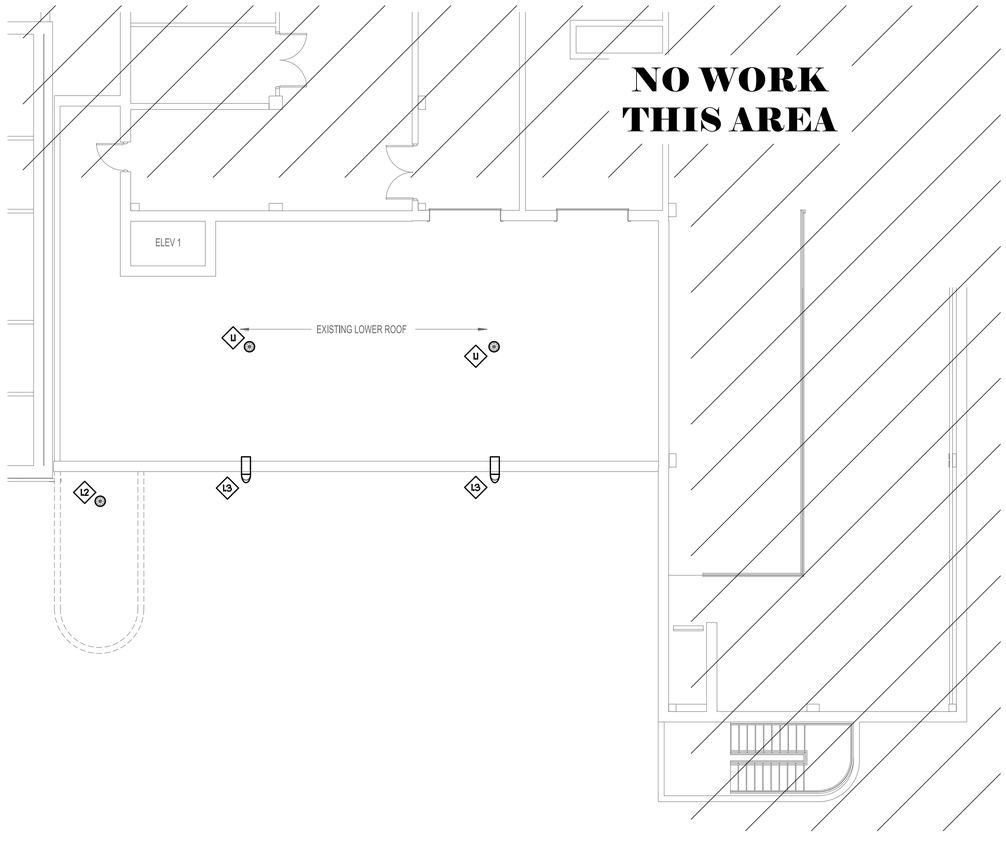
Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P1.2
Checked By: BWF	

Sheet Title: SECOND FLOOR PLUMBING DEMOLITION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3P1.3 **THIRD FLOOR - PLUMBING DEMOLITION**
SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

U EXISITNG PRIMARY ROOF DRAIN TO REMAIN.
L2 REMOVE EXISITNG PRIMARY ROOF DRAIN.
L3 REMOVE EXISITNG 5"ø ROOF SCUPPER.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE I6
RALEIGH, NC 27612
(919) 571-III

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-861 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

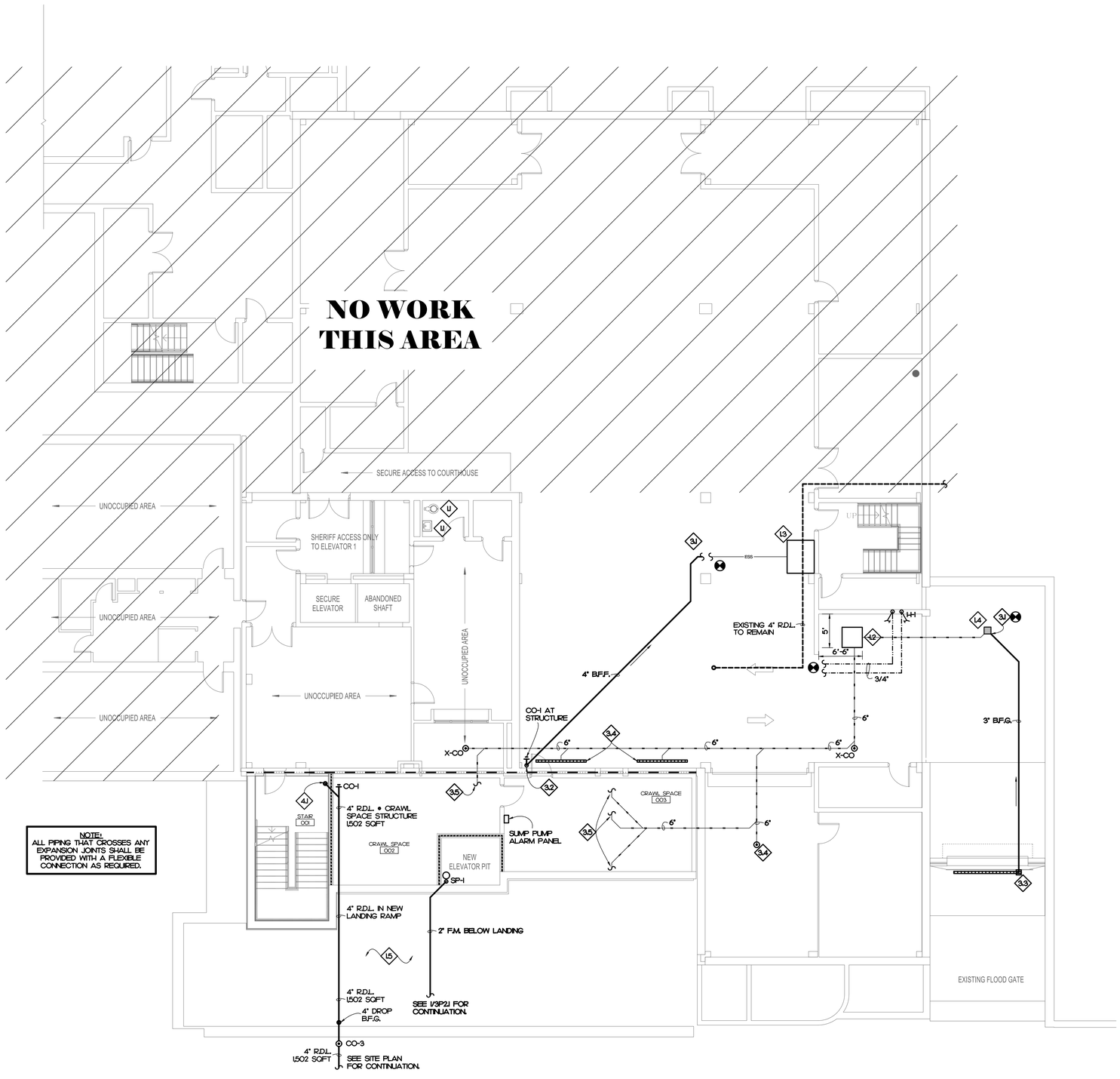
Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P1.3
Checked By: BWF	

Sheet Title: THIRD FLOOR PLUMBING DEMOLITION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



NOTE:
ALL PIPING THAT CROSSES ANY EXPANSION JOINTS SHALL BE PROVIDED WITH A FLEXIBLE CONNECTION AS REQUIRED.

1 / 3P2.0 GROUND FLOOR - PLUMBING RENOVATION

SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

- U — PLUMBING FIXTURE, APPURTENANCES, AND ALL RELATED PIPING TO REMAIN.
- L2 — EXISTING PIT AND DUPLEX DEWATERING PUMPS TO REMAIN. SEE ARCHITECTURAL PLANS FOR BOLLARD PROTECTION.
- L3 — EXISTING HOLDING TANK TO REMAIN.
- L4 — EXISTING DROP INLET TO REMAIN.
- L5 — SEE ARCHITECTURAL FOR LANDING RAMP DETAILS AND ELEVATIONS.
- 3J — CONNECT TO EXISTING SANITARY SEWER PIPING LOCATED BELOW FINISHED FLOOR. IT IS THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION AND INVERT ELEVATION OF THE EXISTING WASTE LINE AND MAKE NECESSARY CONNECTIONS.
- 3.2 — 4" WASTE STACK FROM FIRST LEVEL. SEE 1/3P2.1 FOR CONTINUATION.
- 3.3 — NEW U-LINE 1" SLOT DRAIN WITH FILTER BOX. CONNECT TO EXISTING DROP INLET AS SHOWN.
- 3.4 — EXISTING TRENCH DRAIN TO REMAIN.
- 3.5 — EXISTING 6" STORM LINE. SEE ARCHITECTURAL PLANS FOR RECONNECTION OF FOUNDATION DRAIN.
- 4J — 4" R.D.L. FROM ABOVE FOR 1,502 SQFT.

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE I3
RALEIGH, NC 27612
(919) 571-III

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

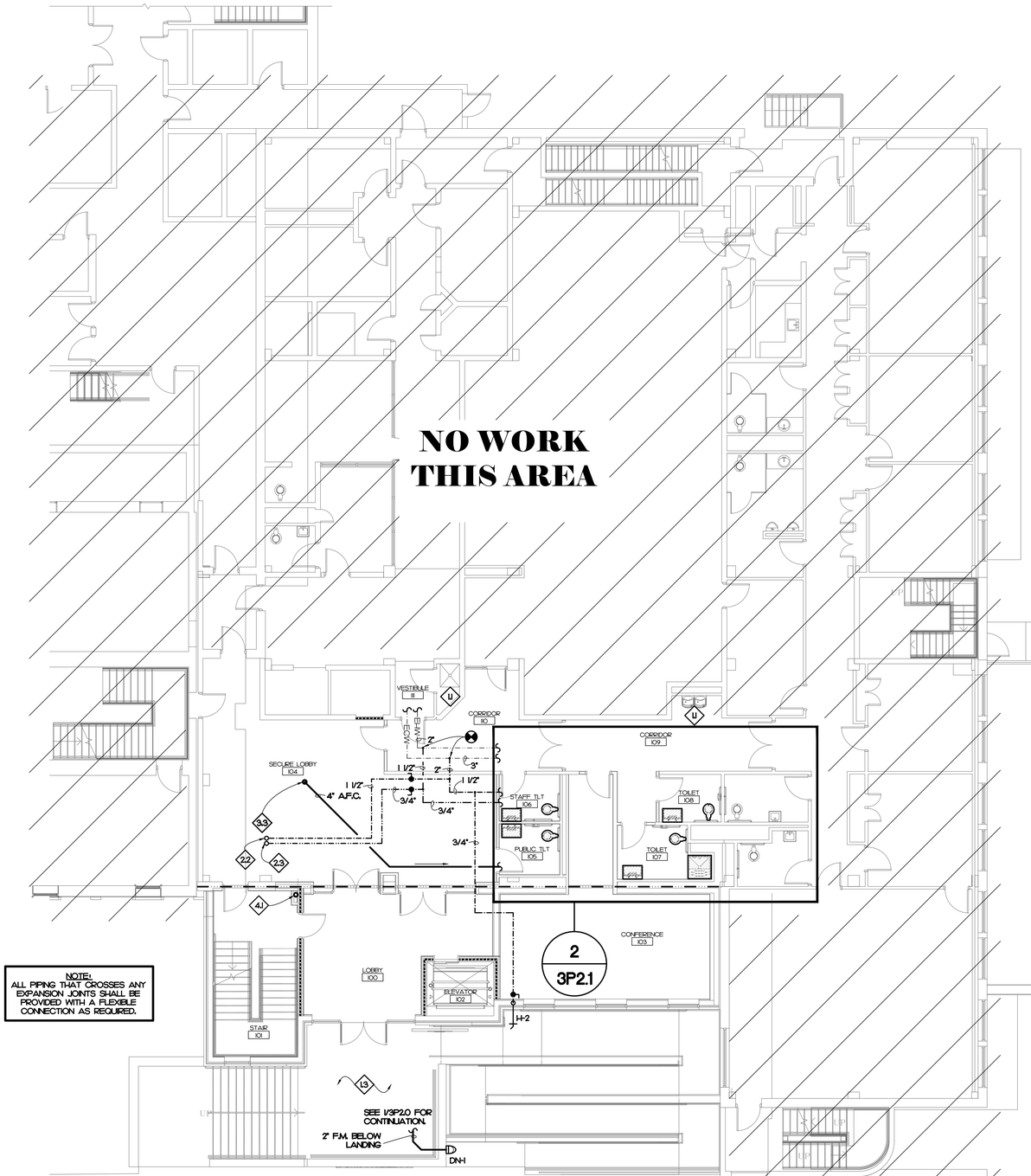
NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-961

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
1	Description	Date

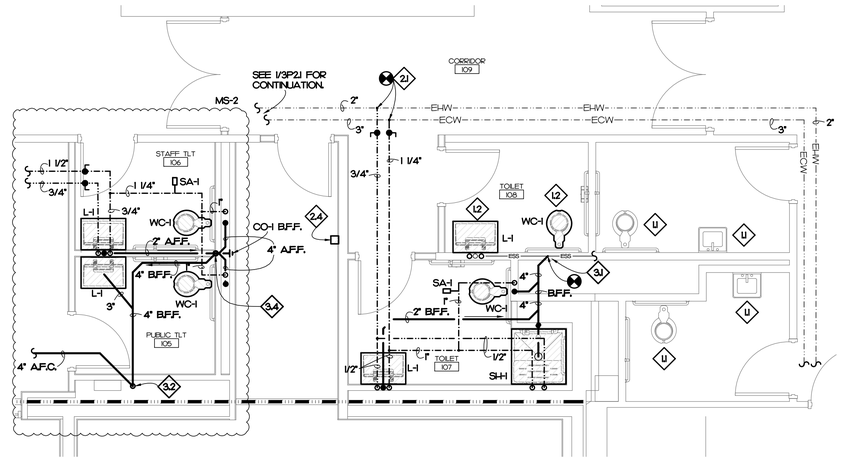
Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3P2.0
Checked By: BWF	

Sheet Title: GROUND FLOOR PLUMBING RENOVATION PLAN



1 3P2.1 FIRST FLOOR - PLUMBING RENOVATION

SCALE - 1/8" - 1'-0"



2 3P2.1 FIRST FLOOR - ENLARGED PLAN

SCALE - 1/4" - 1'-0"

PLUMBING KEY NOTES

- U — PLUMBING FIXTURE, APPURTENANCES, AND ALL RELATED PIPING TO REMAIN.
- L2 — INSTALL NEW FIXTURE AT EXISTING ROUGH-IN. ADJUST ROUGH-IN AS REQUIRED.
- L3 — SEE ARCHITECTURAL FOR LANDING RAMP DETAILS AND ELEVATIONS.
- 2.1 — CONNECT TO EXISTING WATER PIPE LOCATED ABOVE FINISHED CEILING. FIELD VERIFY EXACT LOCATION.
- 2.2 — 1 1/2" CW UP TO SECOND FLOOR. SEE 2/3P2.2 FOR CONTINUATION.
- 2.3 — 3/4" HW UP TO SECOND FLOOR. SEE 2/3P2.2 FOR CONTINUATION.
- 2.4 — LOW VOLTAGE TRANSFORMER ABOVE FINISHED CEILING PROVIDED BY PLUMBING CONTRACTOR. LOW VOLTAGE WIRING TO WATER CLOSET AND LAVATORY PROVIDED BY PLUMBING CONTRACTOR. SEE DETAIL 3/3P3.3.
- 3.1 — CONNECT TO EXISTING SANITARY SEWER PIPING LOCATED BELOW FINISHED FLOOR. IT IS THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION AND INVERT ELEVATION OF THE EXISTING WASTE LINE AND MAKE NECESSARY CONNECTIONS.
- 3.2 — 4" WASTE STACK FROM ABOVE FINISHED CEILING DOWN TO GROUND LEVEL. SEE 3P2.0 FOR CONTINUATION.
- 3.3 — 4" WASTE STACK FROM ABOVE. SEE 2/3P2.2 FOR CONTINUATION.
- 3.4 — 4" WASTE STACK DROP BELOW SLAB TO BASEMENT STRUCTURE. SEE 1/3P1.0 FOR CONTINUATION.
- 4.1 — 4" P.D.L. DOWN FOR 1,502 SQFT. SEE 1/3P2.0 FOR CONTINUATION.

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

22057

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE I03
RALEIGH, NC 27612
(919) 571-III

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

SEAL 025036 — NORTH CAROLINA PROFESSIONAL ENGINEER — BRADLEY W. FELTS — 7/7/23

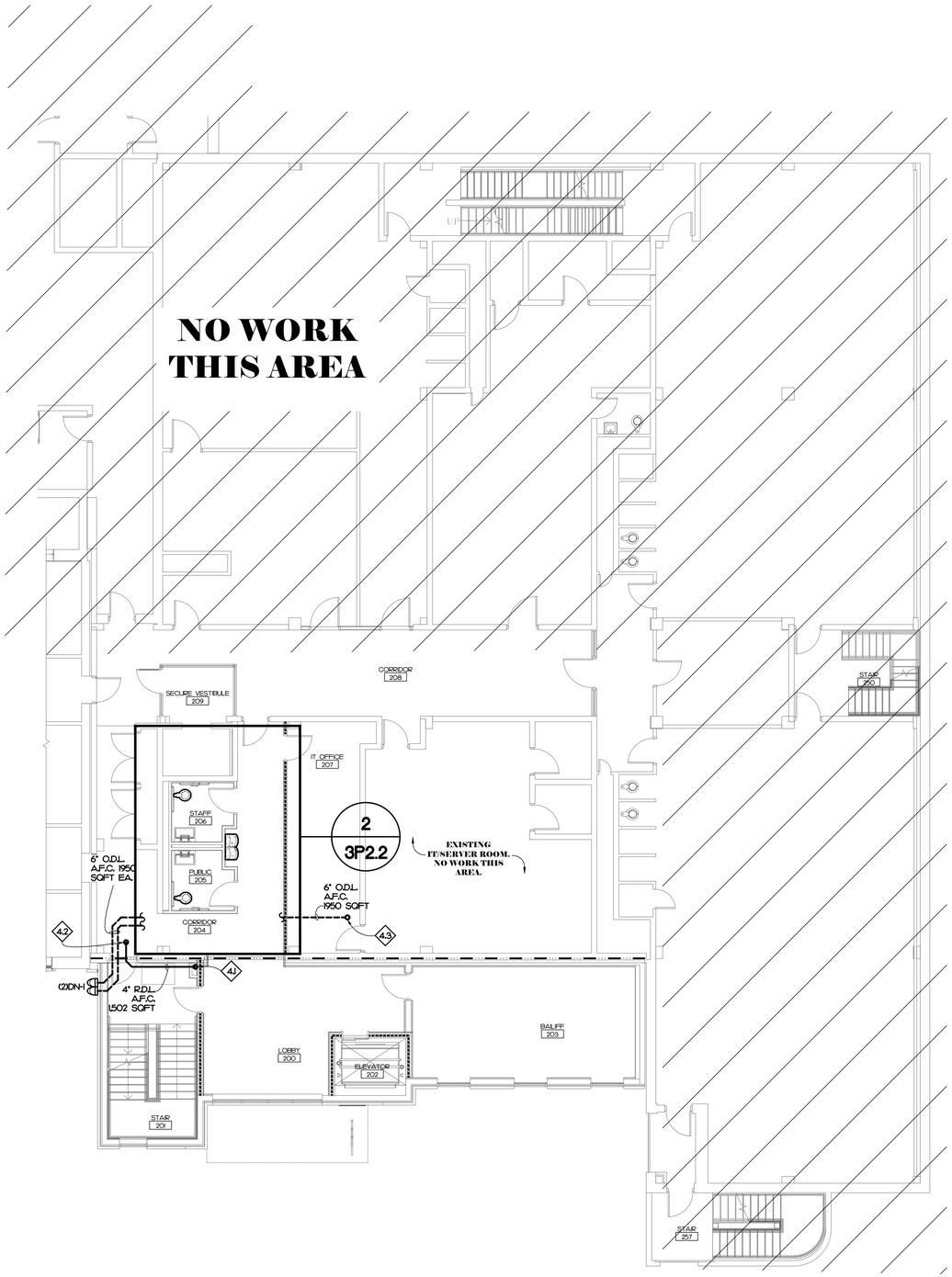
ATLANTEC ENGINEERS PA No. C-961 — NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P2.1
Checked By: BWF	

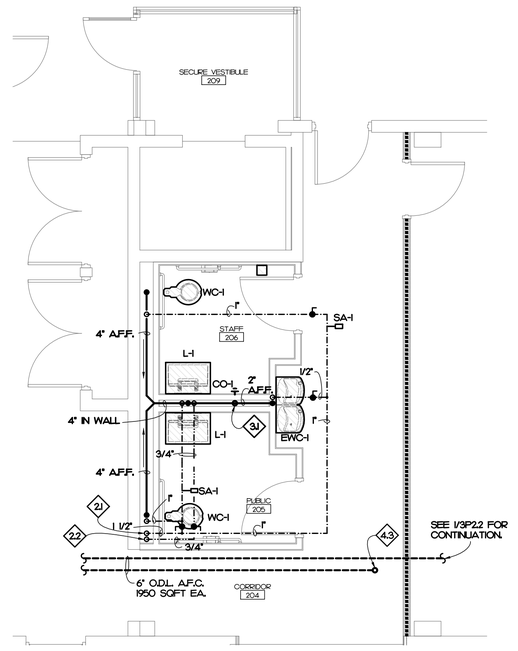
Sheet Title: FIRST FLOOR PLUMBING RENOVATION PLAN



NOTE:
ALL PIPING THAT CROSSES ANY EXPANSION JOINTS SHALL BE PROVIDED WITH A FLEXIBLE CONNECTION AS REQUIRED.

1 / 3P2.2 SECOND FLOOR - PLUMBING RENOVATION

SCALE - 1/8" - 1'-0"



2 / 3P2.2 SECOND FLOOR - ENLARGED PLAN

SCALE - 1/4" - 1'-0"

PLUMBING KEY NOTES

1J PLUMBING FIXTURE, APPURTENANCES, AND ALL RELATED PIPING TO REMAIN.

2J 1 1/2" CW UP FROM FIRST FLOOR. SEE 1/3P2J FOR CONTINUATION.

2.2 3/4" HW UP FROM FIRST FLOOR. SEE 1/3P2J FOR CONTINUATION.

2.3 LOW VOLTAGE TRANSFORMER ABOVE FINISHED CEILING PROVIDED BY PLUMBING CONTRACTOR. LOW VOLTAGE WIRING TO WATER CLOSET AND LAVATORY PROVIDED BY PLUMBING CONTRACTOR. SEE DETAIL 3/3P3.3.

3J 4" WASTE STACK DROP BELOW SLAB TO FIRST FLOOR A.F.C. SEE 1/3P1J FOR CONTINUATION.

4J 4" R.D.L. DOWN FOR 1502 SQFT. SEE 1/3P2J FOR CONTINUATION.

4.2 3" R.D.L. DOWN FROM ROOF FOR 1502 SQFT.

4.3 4" O.D.L. DOWN FROM ROOF FOR 1950 SQFT.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

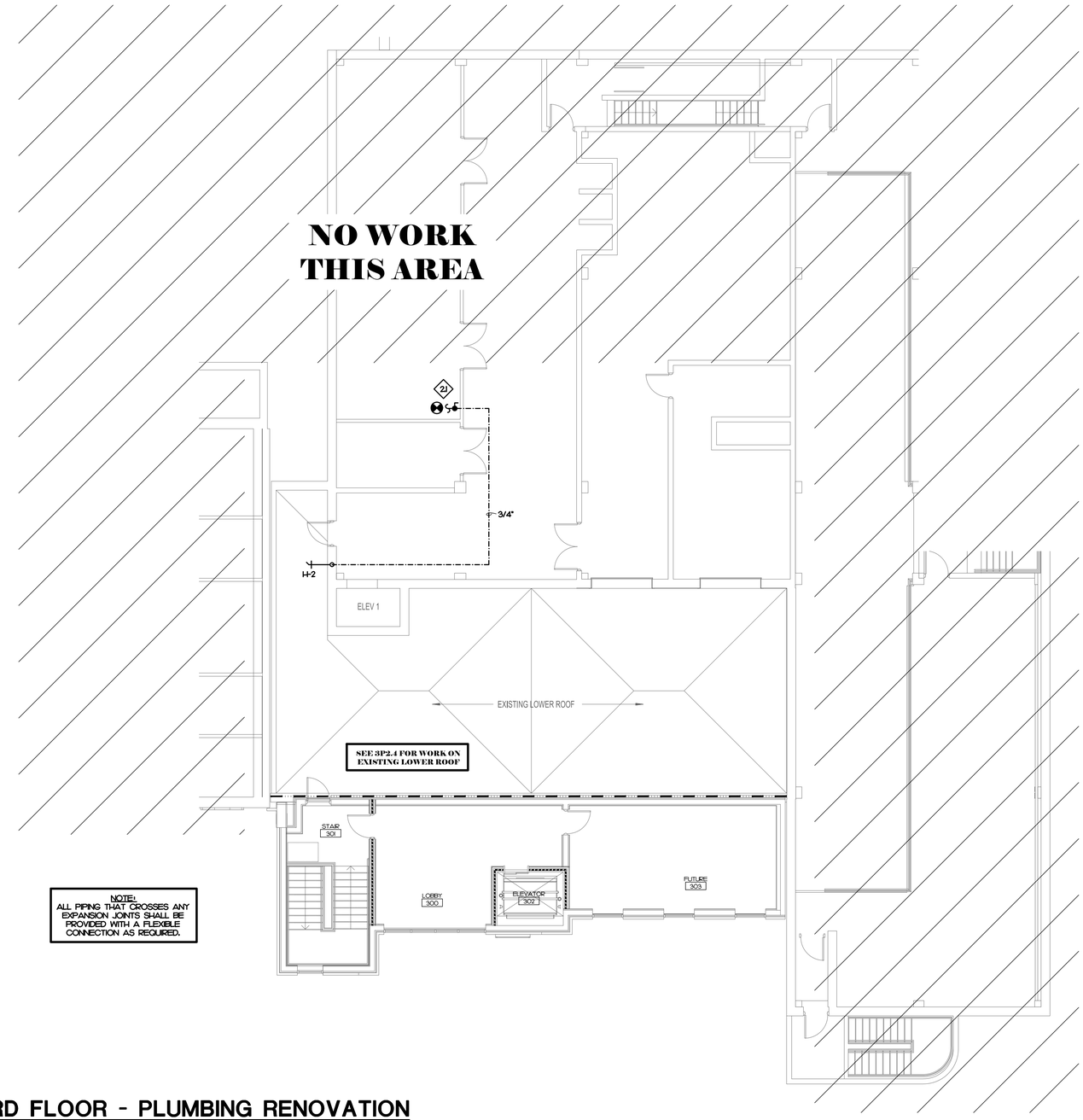
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.
Checked By: BWF	3P2.2

Sheet Title: SECOND FLOOR PLUMBING RENOVATION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 / 3P2.3 **THIRD FLOOR - PLUMBING RENOVATION**
SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

2J CONNECT TO EXISTING COLD WATER PIPING IN THIS AREA. IT IS THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF THE EXISTING WATER LINE AND MAKE CONNETION AS REQUIRED.

SEISMIC AND WIND REQUIREMETS FOR MECHANICAL SYSTEMS (PER ASCE 7-05)

1. ALL ROOF CURBS/ROOF RAILS INCLUDING THEIR ATTACHMENT TO THE EQUIPMENT AND STRUCTURE MUST BE EVALUATED FOR WIND LOADING. WHERE SEISMIC RESTRAINT IS REQUIRED, THE MORE DEMANDING FORCE OF WIND AND SEISMIC MUST BE USED.
2. SEE SEISMIC INFORMATION CONTAINED ON STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY.
3. SEE TABLE BELOW FOR SPECIFIC COMPONENT RESTRAINT REQUIREMENTS.
4. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL.

SEISMIC DESIGN CATEGORY D, COMPONENT IMPORTANCE FACTOR 1.5

COMPONENT	RESTRAINT REQUIREMENT	ASCE 7-05 REFERENCE
SUSPENDED EQUIPMENT INLINE WITH DUCT/PIPE	RESTRAIN IF >75 LB (SEE NOTE 3,4)	13.6.7
SUSPENDED EQUIPMENT NOT INLINE WITH DUCT/PIPE	RESTRAIN ALL	13.6.3
DUCTILE PIPING	PIPE GREATER THAN 2" (SEE NOTES 5, 6)	13.6.8
SUSPENDED DUCTWORK	DUCTWORK GREATER THAN 6 SQFT OR LARGER THAN 28" IN DIAMETER (SEE NOTE 6)	13.6.7
COMPONENT CERTIFICATION (NOTE 7)	REQUIRED	13.2.2

NOTES:

1. ITEMS WEIGHING LESS THAN 76 LBS. DO NOT NEED RESTRAIN IF THE ATTACHED DUCTWORK/PIPING IS RESTRAINED AND POSITIVELY ATTACHED TO THE EQUIPMENT.
2. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
3. ALL NON-DUCTILE PIPING (PLASTIC, CAST IRON, CERAMIC) MUST BE RESTRAINED.
4. RESTRAINT IS NOT REQUIRED IF SUSPENDED 12" OR LESS FROM THE STRUCTURE AND THE HANGERS ARE DETAILED TO AVOID SIGNIFICAITN BENDING OF THE HANGERS AND THEIR ATTACHMENTS AND PROVISIONS ARE MADE FOR PIPING TO ACCOMMODATE EXPECTED DEFLECTIONS.
5. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY THE ENGINEER OF RECORD.

SITE SPECIFIC REQUIREMENTS FOR CRAVEN COUNTY COURTHOUSE

ALL SPRINKLER PIPING LARGER THAN 2" SHALL BE RESTRAINED IN ACCORDANCE WITH NFPA 13.

ALL DOMESTIC WATER, SEWER AND VENT PIPING LARGER THAN 2" SHALL BE RESTRAINED WITH CABLES AT 45° ANGLES AND SECURED TO STRUCTURE. PIPING INSTALLED WITHIN 12" OF STRUCTURE SHALL BE EXEMPT.

2 / 3P2.3 **SEISMIC NOTES**
NOT TO SCALE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE I3
RALEIGH, NC 27612
(919) 571-III

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS 7/7/23

ATLANTEC ENGINEERS PA No. C-861 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
4	Description	Date

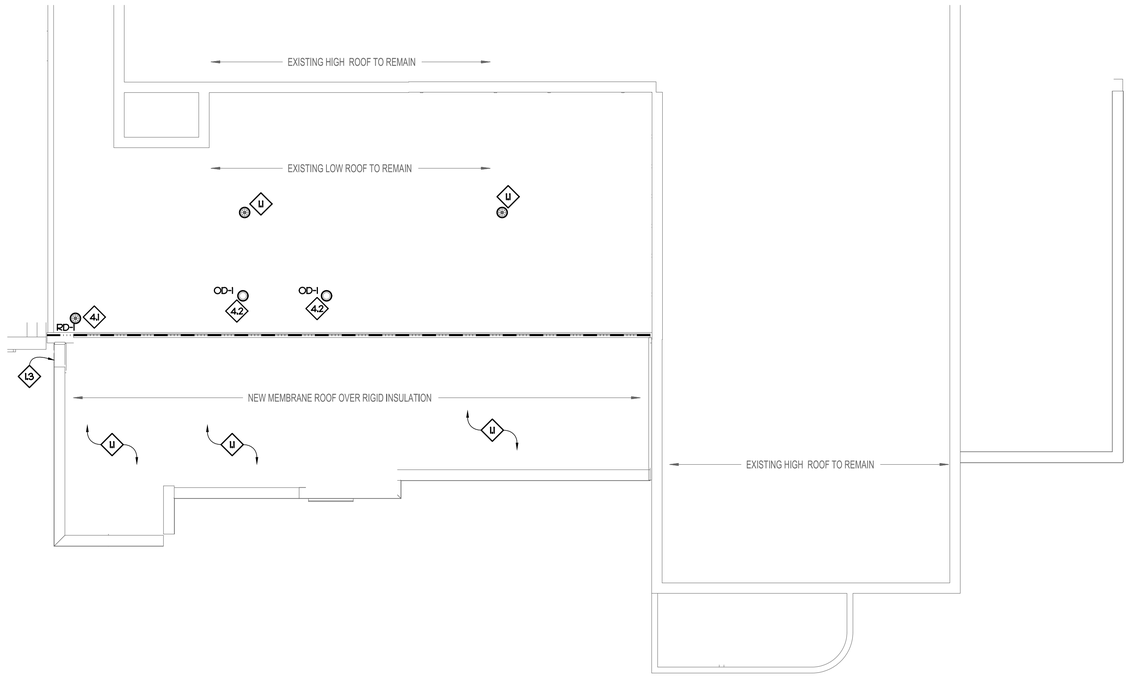
Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P2.3
Checked By: BWF	

Sheet Title: THIRD FLOOR PLUMBING RENOVATION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

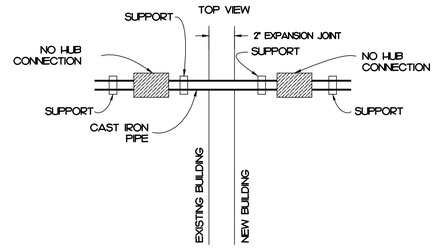
NOTE:
ALL PIPING THAT CROSSES ANY EXPANSION JOINTS SHALL BE PROVIDED WITH A FLEXIBLE CONNECTION AS REQUIRED.



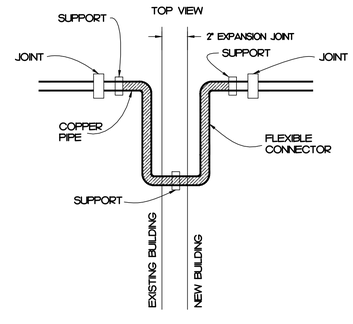
1 3P2.3 ROOF - PLUMBING RENOVATION
SCALE - 1/8" - 1'-0"

PLUMBING KEY NOTES

- U — SEE ARCHITECTURAL PLANS FOR GUTTER/DOWNSPOUT ROUTING TO PRIMARY ROOF DRAIN BELOW.
- L2 — EXISITNG PRIMARY ROOF DRAIN TO REMAIN.
- L3 — SEE ARCHITECTURAL PLANS FOR ROOF SCUPPER IN THIS AREA.
- 4.1 — 3" R.D.L. DOWN FOR 1,502 SQFT. SEE 3/P2.2 FOR CONTINUATION.
- 4.2 — 4" O.D.L. DOWN FOR 1,950 SQFT. SEE 3/P2.2 FOR CONTINUATION.



3 3P2.4 CAST IRON FLEX-CONN. DETAIL
NOT TO SCALE



2 3P2.4 FLEX-CONNECTOR DETAIL
NOT TO SCALE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE I03
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P2.4
Checked By: BWF	

Sheet Title: ROOF PLUMBING RENOVATION PLAN

PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
CO-1	CLEANOUT	ZURN	Z1470	WATTS	CO-590	JR SMITH		-	-	SEE PLUMB. DRAWINGS
	BRONZE CLEANOUT PLUG TO BE GAS AND WATERTIGHT.									
DN-1	DOWNSPOUT NOZZLE	ZURN	Z-199-SS	WATTS	RD-940-83	MIFAB	R1940-83	-	-	-
	PROVIDE WITH STAINLESS STEEL SCREEN. SIZE AS NOTED ON DRAWINGS.									
EWC-1	WATER COOLER	OASIS	PBSBFSL	ELKAY	LZSTL8WS	HALSEY TAYLOR	HTHB-HACDBLPV-WF	1/2"	-	2"
	PROVIDE WITH FRONT AND SIDE CONTROLS, SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH. PROVIDE WITH BOTTLE FILLER.									
H-1	WALL HYDRANT	WOODFORD	C22	MIFAB	M-HY-40	ZURN	Z1348-BFP	3/4"	3/4"	-
	WALL HYDRANT, PROVIDE WITH VACUUM BREAKER.									
H-2	ANTIFREEZE HOSE BIBB	WOODFORD	65	WATTS	HY-420	MIFAB	M-HY-15	3/4"	-	-
	ANTIFREEZE HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED GRADE.									
L-1	LAVATORY	BRADLEY	LVQDI							
	FAUCET	BRADLEY	WASHBAR							
	TRAP	BRADLEY	S-CHROME							2"
	SUPPLY	McGUIRE	158LK					1/2"	1/2"	
	WALL HUNG LAVATORY BASIN SHALL BE MADE OF NATURAL QUARTZ, FINISH SELECTED BY ARCHITECT, HAVE 30" CENTERS, AND TRENCH DRAIN. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. DECK MOUNTED FAUCET SHALL BE CHROME FINISH, ALL-IN-ONE WASHBAR WITH SOAP, WATER AND HAND DRYER, WITH 3/8" COPPER SUPPLY TUBE INLETS, PROVIDED WITH 1200 WATT, 120V ISA GFCI ELECTRICAL CONNECTION, AND SWING DOWN STAINLESS STEEL ACCESS PANEL WITH CAM LOCK FASTENER. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS, OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW AND CAST BRASS SLIP NUT, AND FLANGE. PROVIDE WITH OFFSET DRAIN. TRUEBRO LAV SHIELD, WALL HANGER, AND WATER TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B125.3. PROVIDE WITH LOW VOLTAGE TRANSFORMER AND LOW VOLTAGE WIRING.									
SP-1	SUMP PUMP	ZOELLER	940-0007					-	-	-
	ZOELLER OIL SMART SYSTEM INCLUDES: SUMP PUMP, PUMP SWITCH, SENSOR, AND ALARM. SUMP PUMP, 1/2 HP, 120 VOLT, SINGLE PHASE, 52 GPM • 20' HEAD. PROVIDE WITH CHECK VALVE AND DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. PROVIDE WITH ZOELLER OIL SMART PUMP SWITCH, ALARM, AND SENSOR.									
OD-1	OVERFLOW DRAIN	ZURN	Z-122-C	WATTS	RD-402	MIFAB	R1220-U	-	-	-
	12" DIAMETER DECK RECEPTOR DRAIN WITH CAST IRON BODY CLAMP/DECK RECEPTOR FRAME AND INTERNAL DOME STRAINER. SIZE OUTLET AS NOTED ON DRAWINGS.									
RD-1	ROOF DRAIN	ZURN	Z-100-C	WATTS	RD-300-D-GSS	MIFAB	R1200-U	-	-	-
	15" DIAMETER ROOF DRAIN WITH CAST IRON BODY, UNDER DECK CLAMP, GRAVEL GUARD AND LOW SILHOUETTE POLYDOME. SIZE AS NOTED ON DRAWINGS.									
SA-1	SHOCK ABSORBER	JOSAM	75000	ZURN	Z1700	WADE	4480			
	SHOCK ABSORBERS SHALL HAVE A STAINLESS STEEL CASING, FLEXIBLE MECHANICAL BELLOWS, PRESSURIZED INERT GAS CHAMBER AND CERTIFICATION STAMP AS CONFORMING TO STANDARD PDI WH-201 OF THE PLUMBING AND DRAINAGE INSTITUTE.									
SH-1	SHOWER	CLARION	MP3837							2"
	VALVE AND HEAD	SYMMONS	96-500-B30-L-V	DELTA	T13H332/R10700LHWS	MOEN	8342	1/2"	1/2"	
	PROVIDE WITH DRAIN. VALVE TO BE ANTI-SCALD PER NORTH CAROLINA BUILDING CODE. PROVIDE WITH SEAT, GRAB BARS, AND CURTAIN OR DOOR AS REQUIRED PER ADA REQUIREMENTS.									

PLUMBING FIXTURE SCHEDULE

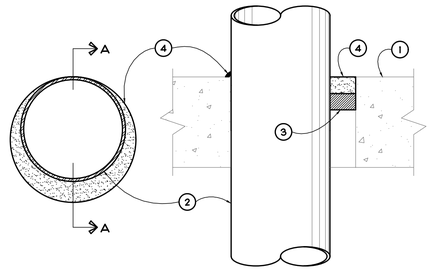
SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
WC-1	WATER CLOSET	KOHLER	K-4325	SLOAN	ST-2459	AMERICAN STANDARD				4"
	SEAT	BEMIS	1955CT	KOHLER	K-4670-C-0	CHURCH	295CT			
	VALVE	SLOAN	III-ESS	DELANY	F402-1	ZURN	Z6000-WSI	1"	-	
	CARRIER	WATTS	ISCA-101	ZURN		MIFAB				
	WALL MOUNTED ELONGATTED TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND 1 1/2" TOP SPUD. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. CONCEALED HARDWIRED SENSOR, EXPOSED CHROME PLATED FLUSH VALVE WITH 1 1/2" CHROME PLATED SPUD COUPLING AND FLANGE. MOUNTING HEIGHT TO BE ADA COMPLIANT. THE 1.6 GPF FLUSH VALVE MECHANISM SHALL BE PLACED ON THE WIDE SIDE OF THE STALL. PROVIDE WITH LOW VOLTAGE TRANSFORMER AND LOW VOLTAGE WIRING.									

PLUMBING SCHEDULE NOTES AND LEGEND:

1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
3. PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
4. REFER TO MANUFACTURER'S WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.

ADA COMPLIANT
ELECTRICAL POWER
GAS FIRED

SYSTEM NO. CAJI001
F RATING - 3 HOUR
T RATING - 0 HOUR



SECTION A - A

(1) FLOOR OR WALL ASSEMBLY - MINIMUM 4 1/2" THICK LIGHTWEIGHT OR NORMAL WEIGHT (100 - 150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAXIMUM DIAMETER OF CIRCULAR THROUGH OPENING IS 22 1/2". SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES MANUFACTURERS.

(1A) STEEL SLEEVE (OPTIONAL, NOT SHOWN) - NOMINAL 12" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAXIMUM 2" FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.

(2) THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT, OR TUBING AND PERIPHERY OF OPENING SHALL BE MINIMUM OF 0" (POINT CONTACT) TO MAXIMUM 1 3/8" PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE - NOMINAL 30" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

A1. IRON PIPE - NOMINAL 30" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.

B. CONDUIT - NOMINAL 6" DIAMETER (OR SMALLER) RIGID STEEL CONDUIT.

C. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

(3) PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOMINAL 1" THICKNESS OF TIGHTLY-PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF SOLID CONCRETE OR CONCRETE BLOCK WALL AS REQUIRED TO ACCOMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAXIMUM PIPE SIZE IS 10" DIAMETER AND WHEN MAXIMUM ANNULAR SPACE IS 1", A MINIMUM 1" THICKNESS OF TIGHTLY-PACKED CERAMIC FIBER BLANKET OR MINERAL WOOL BATT PACKING MATERIAL MAY BE RECESSED MINIMUM 1/2" FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF SOLID CONCRETE WALL.

(4) FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE TO THE MINIMUM THICKNESS SHOWN IN THE FOLLOWING TABLE:

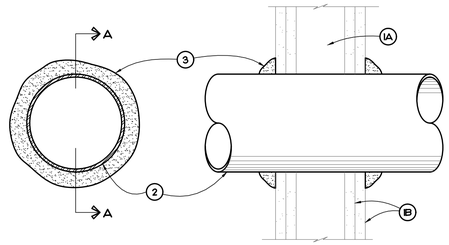
MAXIMUM PIPE DIAMETER INCHES	MAXIMUM ANNULAR SPACE INCHES	PACKING MATERIAL TYPE (A)	MINIMUM CAULK THICKNESS INCHES
10	1	BR, CF, GF OR MW	1/2 (b)
10	1	CF OR MW	1/2 (c)
20	2 1/2	BR, CF, GF OR MW	1 (b)

(a) BR = POLYETHYLENE BACKER ROD.
CF = CERAMIC FIBER BLANKET.
GF = GLASS FIBER INSULATION.
MW = MINERAL-WOOL BATT.
(b) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.
(c) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF SOLID (NON-CONCRETE BLOCK) WALL.

3M COMPANY - CP 25WB + CAULK OR FB-3000 WT SEALANT.
(THE W RATING APPLIES ONLY WHEN FB-3000 WT SEALANT IS USED).
*BEARING THE UL CLASSIFICATION MARKING.

1 3P3.1 PENETRATION DETAIL
NOT TO SCALE

SYSTEM NO. WLII166
F RATINGS - 1 AND 2 HOUR (SEE ITEM 1B)
T RATING - 0 HOUR



SECTION A - A

(1) WALL ASSEMBLY - THE 1 OR 2 HOUR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2" BY 4" LUMBER SPACED 16" ON CENTER. STEEL STUDS TO MINIMUM 3 1/2" WIDE AND SPACED MAXIMUM 24" ON CENTER.

B. GYPSUM BOARD* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN MAXIMUM DIAMETER OF OPENING IS 5".

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

(2) THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MINIMUM OF 0" (POINT CONTACT) TO MAXIMUM 1/8" PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. COPPER TUBING - NOMINAL 4" DIAMETER (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.

B. COPPER PIPE - NOMINAL 4" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

C. STEEL PIPE - NOMINAL 4" DIAMETER (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.

D. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT.

E. IRON PIPE - NOMINAL 4" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.

(3) FILL, VOID OR CAVITY MATERIALS* - CAULK OR PUTTY - MINIMUM 1/2" DIAMETER BEAD OF CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRANT ON THE WALL SURFACES ON BOTH SIDES OF THE WALL.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT, MP+ STIX PUTTY.
*BEARING THE UL CLASSIFICATION MARKING

2 3P3.1 PENETRATION DETAIL
NOT TO SCALE

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025836 BRADLEY W. FELTS 7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-981 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

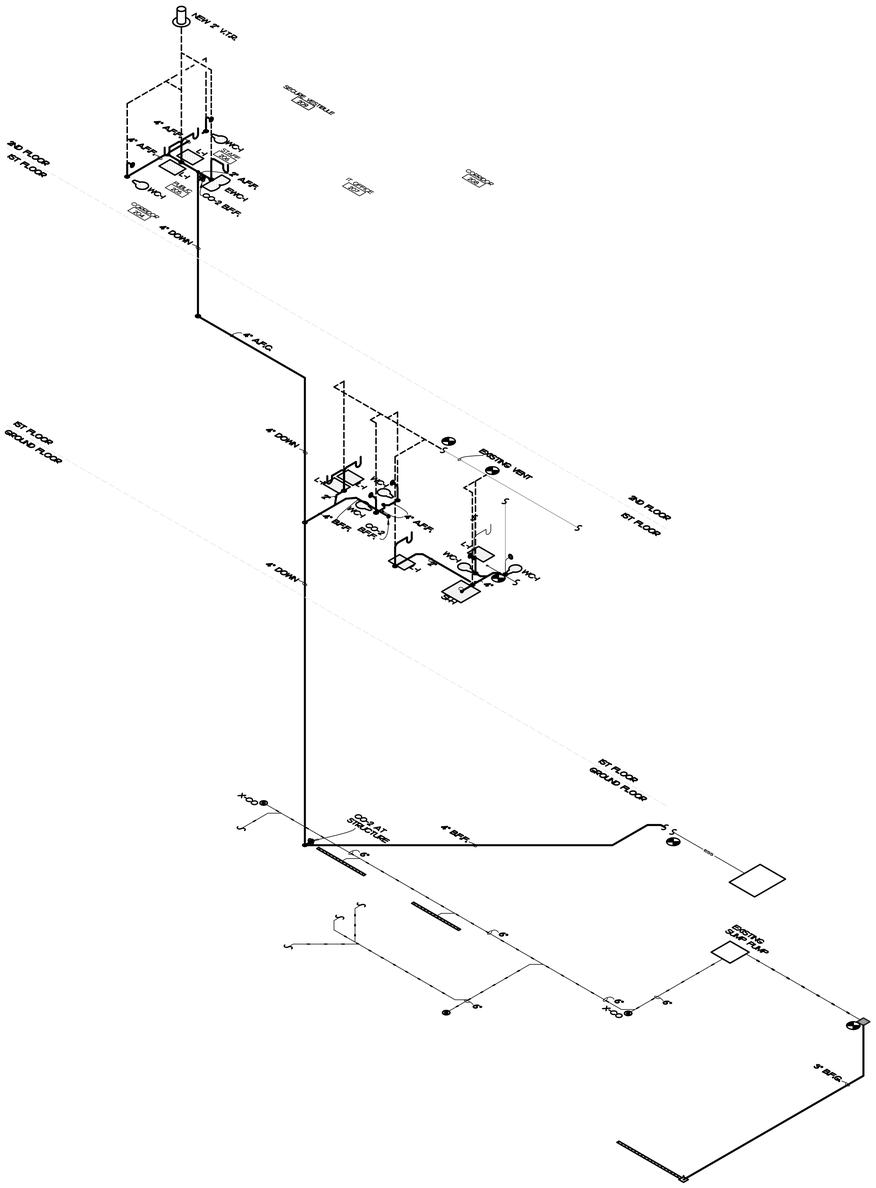
Revisions
1 Description Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P3.1
Checked By: BWF	

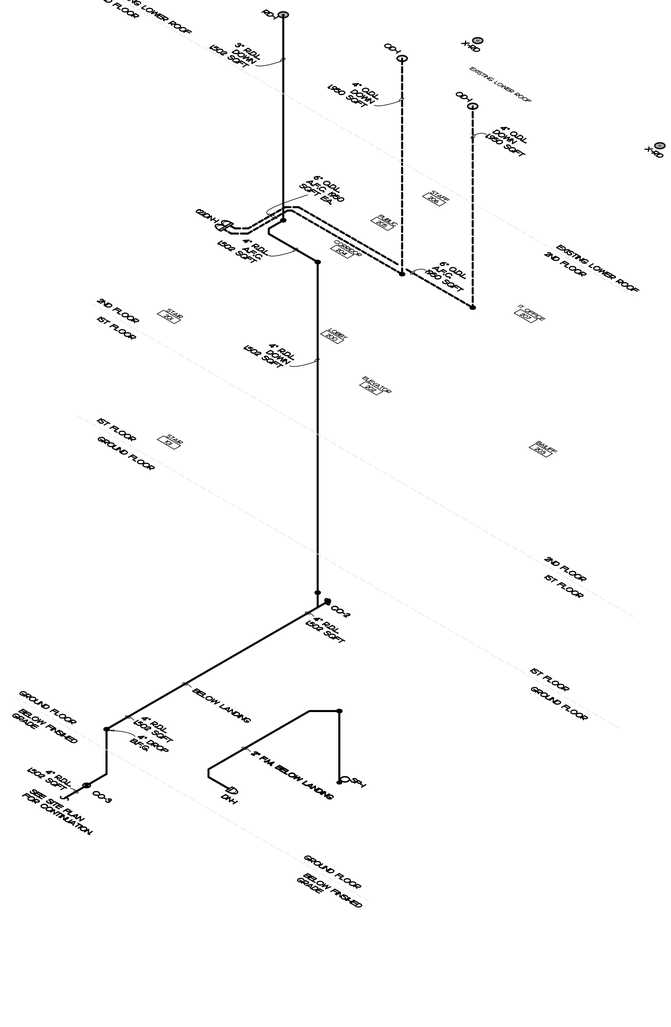
Sheet Title
PLUMBING FIXTURE SCHEDULE AND DETAILS

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

ALL VENT PIPING IS TO BE 2" UNLESS NOTED OTHERWISE.



1 3P3.2 **WASTE RISER**
NOT TO SCALE



2 3P3.2 **ROOF DRAINAGE RISER**
NOT TO SCALE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 151
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 025036 ENGINEER BRADLEY W. FELTS
7/7/23

NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-861

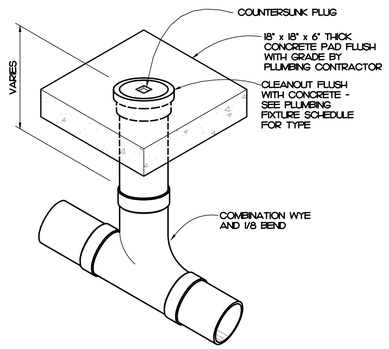
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

#	Description	Date

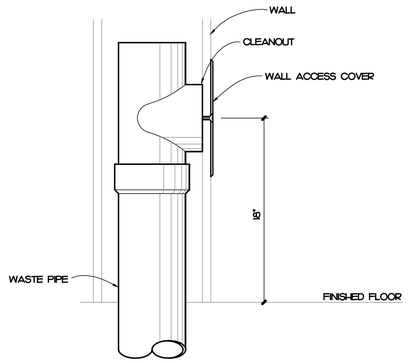
Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P3.2
Checked By: BWF	

Sheet Title
WASTE AND ROOF DRAINAGE RISERS

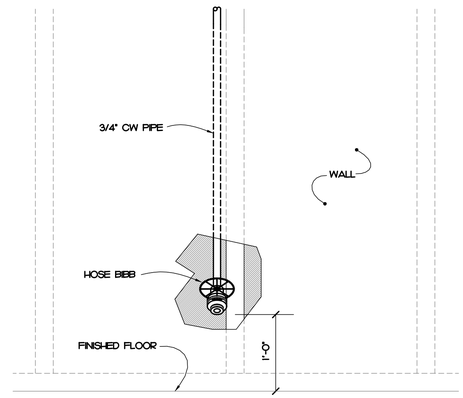


NOTE: SEE SITE AND/OR UTILITY PLAN FOR LOCATION AND FINISH GRADE ELEVATION

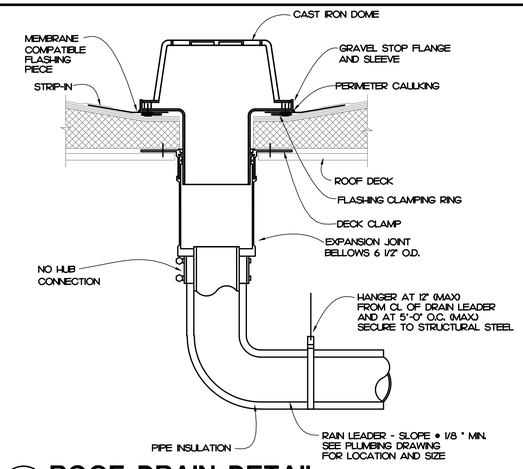
7 EXTERIOR CLEANOUT DETAIL
3P3.3 NOT TO SCALE



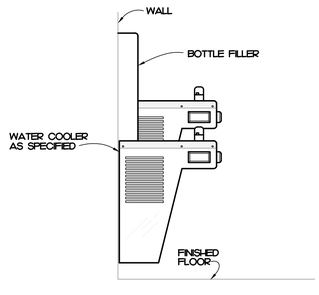
8 WALL CLEANOUT DETAIL
3P3.3 NOT TO SCALE



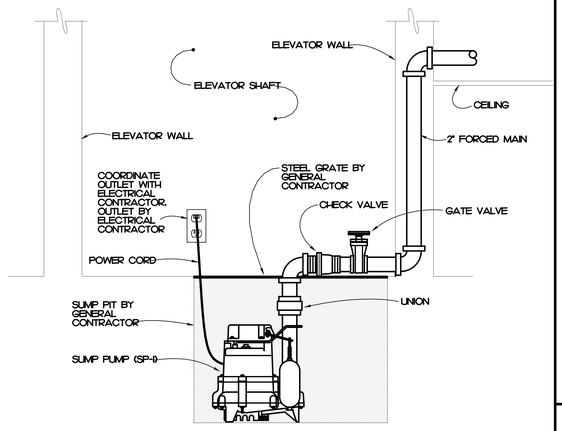
9 HOSE BIBB DETAIL
3P3.3 NOT TO SCALE



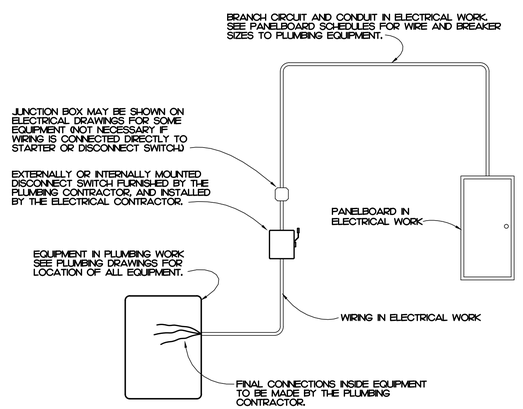
6 ROOF DRAIN DETAIL
3P3.3 NOT TO SCALE



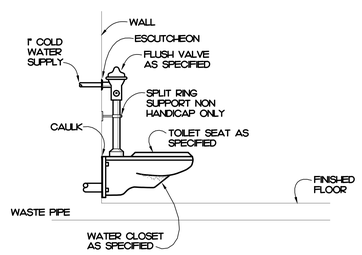
5 WATER COOLER DETAIL
3P3.3 NOT TO SCALE



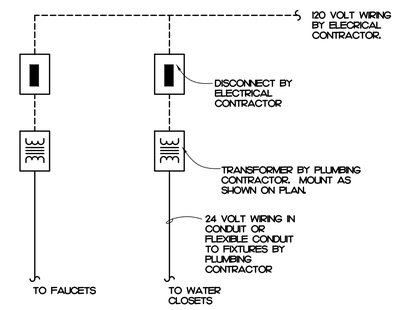
4 SUMP PUMP DETAIL
3P3.4 NOT TO SCALE



1 TYPICAL WIRING DETAIL
3P3.3 NOT TO SCALE



2 WATER CLOSET DETAIL
3P3.3 NOT TO SCALE



3 LOW VOLTAGE WIRING DETAIL
3P3.3 NOT TO SCALE

PLUMBING GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE'S SHALL BE BROUGHT TO THE ENGINEERS ATTENTIONS.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
7. WATER PIPING BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER. SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATIC ALLY TESTED FOR ONE HOUR AT 150 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
8. WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
9. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE 1" FIBERGLASS. EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
10. STENCIL ALL PIPING WITH IDENTIFICATION AND FLOW ARROW • 10'-0" ON CENTER AT BOTH SIDES OF WALL PENETRATIONS AND AT EACH TAKE - OFF.
11. DO NOT SUPPORT PIPING FROM BAR JOIST BRIDGING AND/OR ROOF DECK.
12. WATER SHUT - OFF VALVES ABOVE FINISHED CEILING ARE TO BE FREE FROM OBSTRUCTIONS SUCH AS DUCTWORK, LIGHTS, WIRING AND OTHER PIPING SO AS TO PROVIDE EASY ACCESS. MOUNT NO MORE THAN 2'-0" ABOVE FINISHED CEILING.
13. PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
14. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
15. SANITARY SEWER AND VENT PIPING SHALL BE CAST IRON. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
16. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
17. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
18. LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC.) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
19. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
20. ROOF DRAIN LEADERS SHALL BE CAST IRON, SLOPED AT 1/8" PER FOOT ALL STORM DRAIN PIPING SHALL BE INSULATED WITH 1" FIBERGLASS FROM DRAIN TO OUTLET OF BUILDING. THE PLUMBING CONTRACTOR SHALL MAKE CONNECTION TO ROOF DRAIN. ROOF DRAINS PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
21. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 15'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
22. SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
23. ALL EQUIPMENT REMOVED FROM THE BUILDING DURING DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR DISPOSAL. CARE SHOULD BE TAKEN IN REMOVAL OF ITEMS TO MINIMIZE DAMAGE. ANY ITEM WHICH IS NOT WANTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
24. THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MAN-HOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
25. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE OWNER.
26. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	COLD WATER PIPING
	WATER PIPING DIRECTION OF FLOW
ECW	EXISTING COLD WATER PIPING
	HOT WATER PIPING
EHW	EXISTING HOT WATER PIPING
	BALL VALVE
	WATER PIPING TURNED DOWN
	WATER PIPING TURNED UP
	PIPING SIDE CONNECTION
	SANITARY SEWER / WASTE PIPING
	SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW
ESS	EXISTING SANITARY SEWER / WASTE PIPING
	VENT PIPE UP
	PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR
	PLUMBING FIXTURE PROVIDED BY OTHERS AND INSTALLED BY PLUMBING CONTRACTOR
	WALL CLEANOUT
	1 - HOUR RATED WALL
	2" FELXIBLE CONNECTION JOINT
	CONNECT TO EXISTING
O.D.	OVERFLOW DRAIN
O.D.L.	OVERFLOW DRAIN LEADER
D/P0	DETAIL NUMBER / SHEET NUMBER
R.D.	ROOF DRAIN
R.D.L.	ROOF DRAIN LEADER
V.T.R.	VENT THRU ROOF

PLUMBING LOAD SUMMARY

SANITARY SEWER DEMAND FU	WATER DEMAND FU	WATER DEMAND GPM
ADDING 29.0	ADDING 49.0	ADDING 49.5

Copyright © 2020 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FEITS
7/7/23

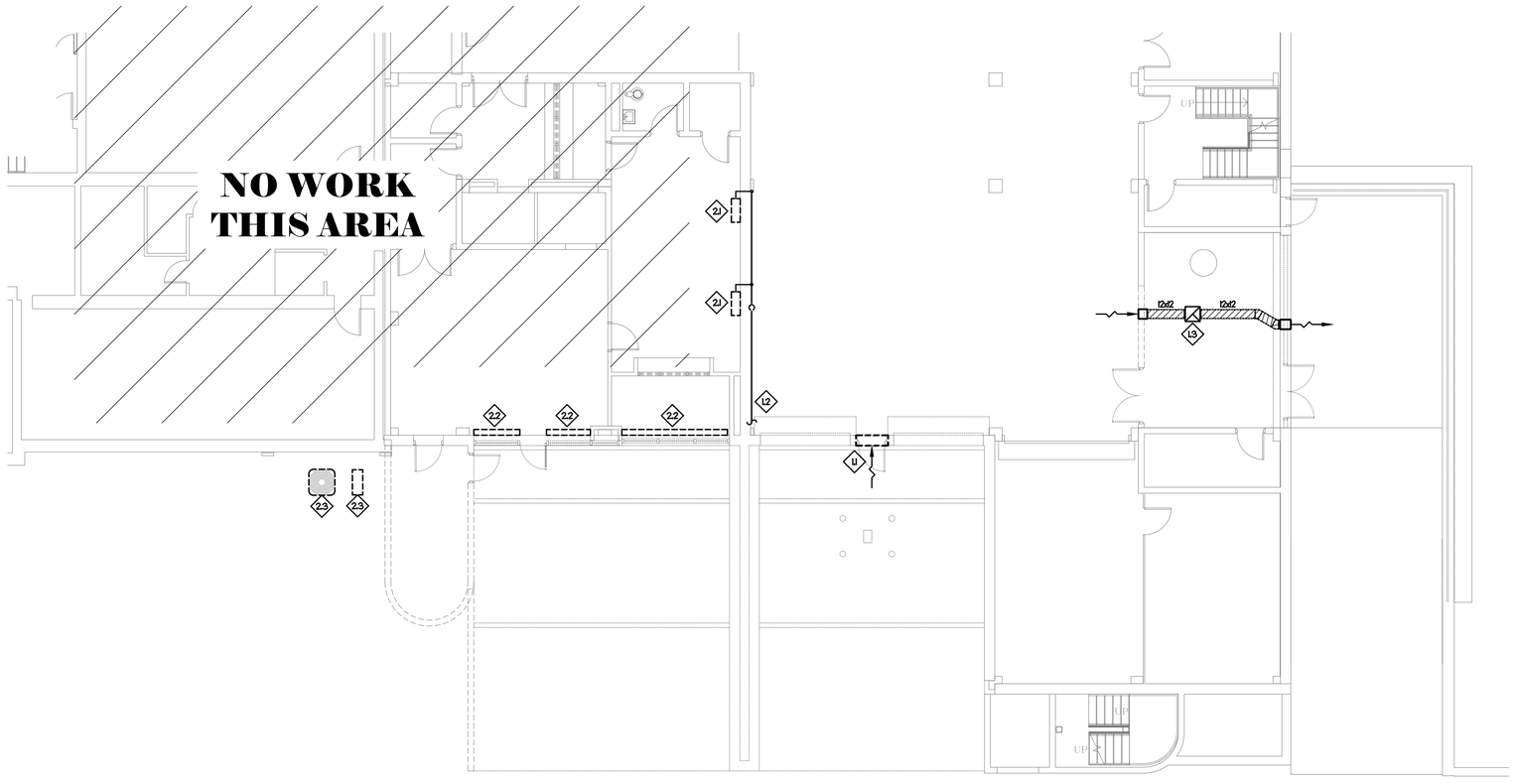
NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
1	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3P3.3
Checked By: BWF	

Sheet Title: PLUMBING NOTES, LEGEND, AND DETAILS



1 3M1.0 GROUND FLOOR - MECHANICAL DEMOLITION

SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

- U — REMOVE EXISTING OUTSIDE AIR INTAKE LOUVER/DAMPER ABOVE DOOR.
- L2 — REWORK EXISTING CONDENSATE. SEE RENOVATION PLAN.
- L3 — RELOCATE EXISTING EXHAUST FAN. REMOVE ASSOCIATED DUCT AND INTAKE/LOUVERS. SEE RENOVATION PLAN FOR NEW LOCATION.
- 2.1 — EXISTING MINI SPLIT TO REMAIN.
- 2.2 — EXISTING HOT WATER CONVECTOR TO REMAIN.
- 2.3 — EXISTING OUTDOOR UNIT AND DISCONNECT TO BE TEMPORARILY REMOVED AS REQUIRED FOR CONSTRUCTION. ALL LINESETS, PIPING, WIRING, ETC. TO BE REWORKED AND/OR CAPPED AS REQUIRED FOR RECONNECTION. COORDINATE REMOVAL AND STORAGE OF OUTDOOR UNIT WITH OWNER.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

ATLANTEC ENGINEERS PA No. C-861 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

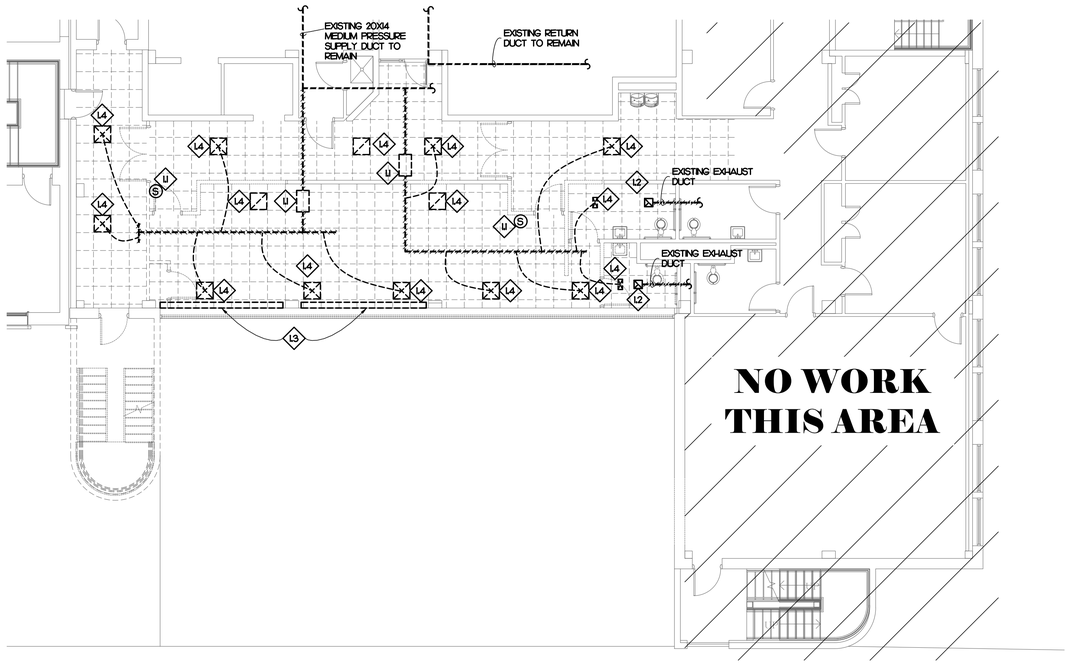
Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3M1.0
Checked By: BWF	

Sheet Title: GROUND FLOOR MECHANICAL DEMOLITION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 3M1.1 **FIRST FLOOR - MECHANICAL DEMOLITION**
SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

- U — REMOVE EXISTING VAV TERMINAL, ASSOCIATED DUCT AND CONTROLS.
- L2 — REMOVE EXISTING EXHAUST GRILLE.
- L3 — REMOVE EXISTING HOT WATER CONNECTOR. CAP HOT WATER PIPE BELOW FLOOR.
- L4 — REMOVE EXISTING AIR DISTRIBUTION.

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

SOUTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

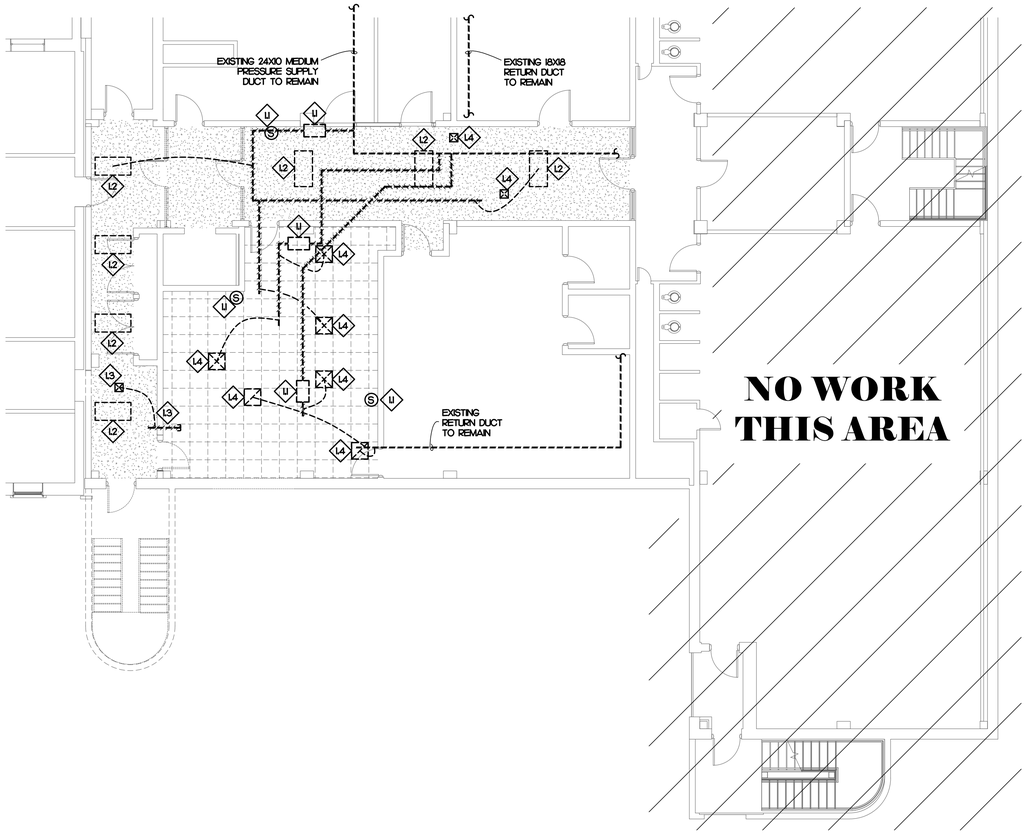
NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-981

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3M1.1
Checked By: BWF	

Sheet Title: FIRST FLOOR MECHANICAL DEMOLITION PLAN



MECHANICAL KEY NOTES

- U — REMOVE EXISTING VAV TERMINAL, ASSOCIATED DUCT AND CONTROLS.
- L2 — REMOVE EXISTING LIGHTS WITH AIR DISTRIBUTION.
- L3 — REMOVE EXISTING ABANDONED DUCT AND AIR DISTRIBUTION.
- L4 — REMOVE EXISTING AIR DISTRIBUTION.

1 / 3M1.2 **SECOND FLOOR - MECHANICAL DEMOLITION**
SCALE - 1/8" - 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 13
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-861 PROFESSIONAL CORPORATION

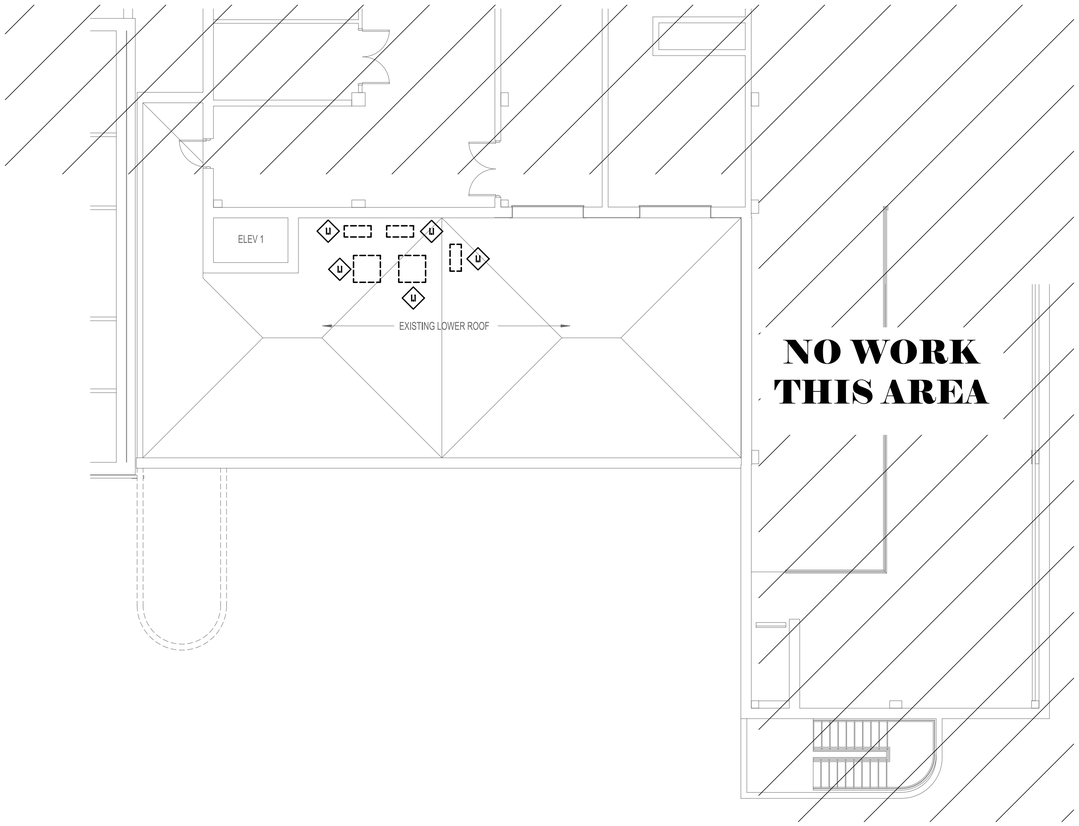
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3M1.2
Checked By: BWF	

Sheet Title: SECOND FLOOR MECHANICAL DEMOLITION PLAN



1 / 3M1.3 **THIRD FLOOR - MECHANICAL DEMOLITION**
SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

U EXISTING OUTDOOR UNIT TO REMAIN.

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 025036 ENGINEER BRADLEY W. FELTS
7/7/23

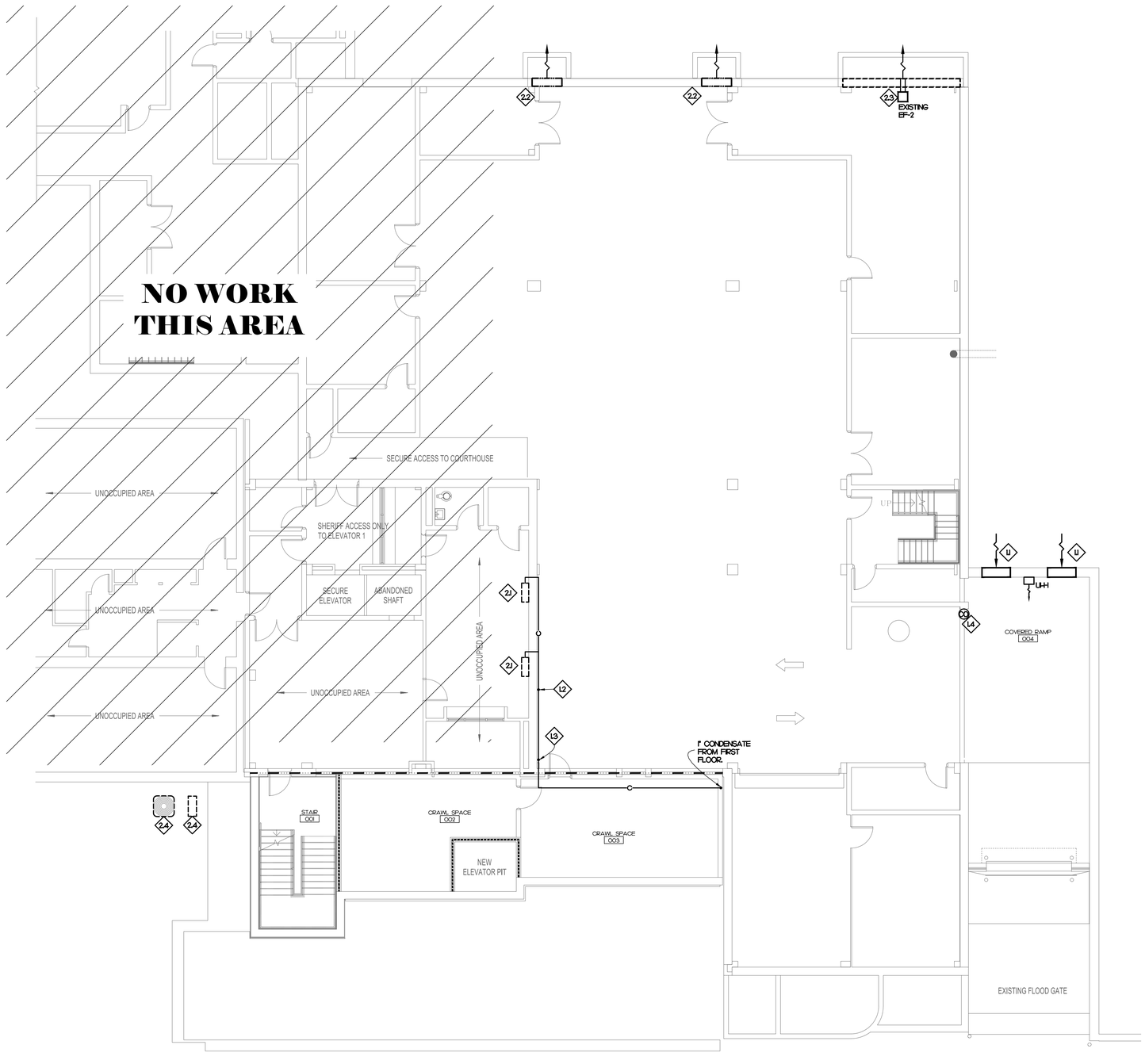
NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-861

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3M1.3
Checked By: BWF	

Sheet Title
THIRD FLOOR
MECHANICAL DEMOLITION
PLAN



1 3M2.0 **GROUND FLOOR - MECHANICAL RENOVATION**
SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

- U — PROVIDE GREENHECK EAD-401-48X32 LOUVER/DAMPER FOR 3000 CFM AND 3.3 SQFT OF FREE AREA TO MAKE UP SALLY PORT EXHAUST. PROVIDE WITH 24V ACTUATOR. PROVIDE WITH KYNAR FINISH AND BIRD SCREEN. INTERLOCK OPERATION WITH EXISTING EMERGENCY VENTILATION FANS. MOUNT LOUVER/DAMPER AT TOP OF WALL.
- L2 — NEW CONDENSATE TO DROP FROM EXISTING FAN COILS.
- L3 — SPILL CONDENSATE INTO EXISTING TRENCH DRAIN.
- L4 — NEW CARBON MONOXIDE SENSOR. INTERLOCK WITH EXISTING CARBON MONOXIDE MONITORING SYSTEM.
- 2.1 — EXISTING DUCTLESS FAN COIL.
- 2.2 — EXISTING EMERGENCY VENTILATION FAN TO REMAIN.
- 2.3 — NEW LOCATION OF MINIMUM VENTILATION EXHAUST FAN IN EXISTING ABANDONED LOUVER OPENING. BLANK EXISTING LOUVER WITH SHEET METAL PANEL.
- 2.4 — RELOCATED EXISTING OUTDOOR UNIT. RECONNECT TO EXISTING POWER, LINESETS, PIPING, ETC. AS REQUIRED.

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE B3
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

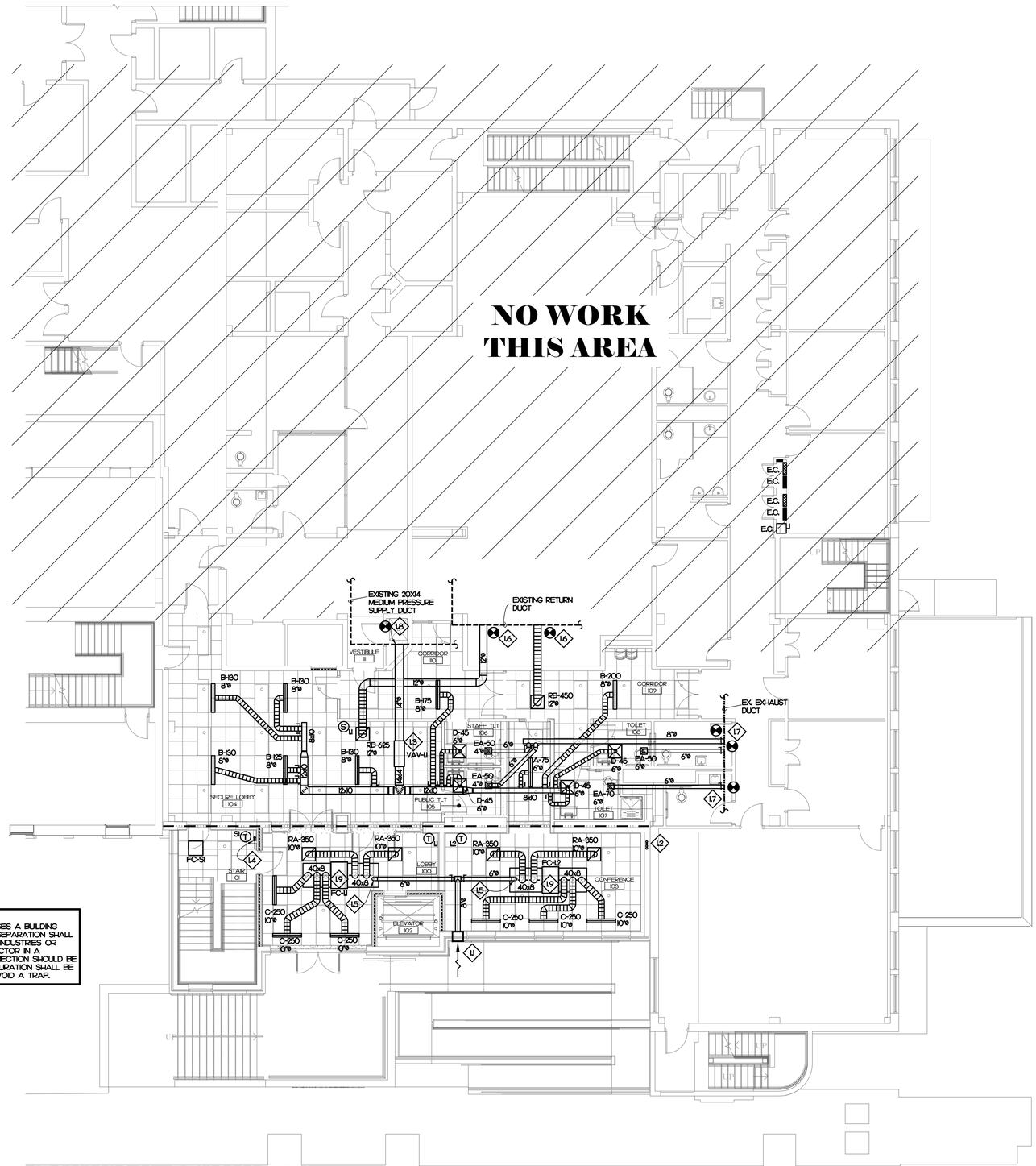
NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-981 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3M2.0
Checked By: BWF	

Sheet Title: GROUND FLOOR MECHANICAL RENOVATION PLAN



NOTE:
REFRIGERANT PIPING THAT CROSSES A BUILDING EXPANSION JOINT OR SEISMIC JOINT/SEPARATION SHALL BE PROVIDED WITH A PACKLESS INDUSTRIES OR METRAFELX FLEXIBLE CONNECTOR IN A U-CONFIGURATION. THE FLEXIBLE CONNECTION SHOULD BE RATED UP TO 600 PSI. THE U-CONFIGURATION SHALL BE ORIENTED HORIZONTALLY TO AVOID A TRAP.

1 / 3M2.1 FIRST FLOOR - MECHANICAL RENOVATION

SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

1. PROVIDE GREENHECK ESD-202-12X8 LOUVER FOR 100 CFM AND 0.1 SQFT OF FREE AREA. PROVIDE WITH KYNAR FINISH AND BIRD SCREEN.
2. LINE SETS TO/FROM SECOND FLOOR. 1" CONDENSATE DOWN TO GROUND FLOOR.
3. NEW VAV TERMINAL. CONNECT BACK TO EXISTING MEDIUM PRESSURE SUPPLY DUCT AS REQUIRED. CONTROL VIA EXISTING ENVIROCON BUILDING AUTOMATION SYSTEM.
4. LINE SETS TO/FROM ROOF.
5. 6"ø OUTSIDE AIR DUCT DOWN INTO RETURN DUCT. SEE OUTSIDE AIR SUMMARY FOR BALANCE DETAIL.
6. CONNECT TO EXISTING RETURN DUCT IN THIS AREA. FIELD VERIFY EXISTING DUCT SIZE.
7. CONNECT TO EXISTING EXHAUST DUCT IN THIS AREA. FIELD VERIFY EXISTING DUCT SIZE. PROVIDE WITH BACKDRAFT DAMPER.
8. CONNECT TO EXISTING MEDIUM PRESSURE SUPPLY DUCT IN THIS AREA. FIELD VERIFY EXISTING DUCT SIZE.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FOLTZ 7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

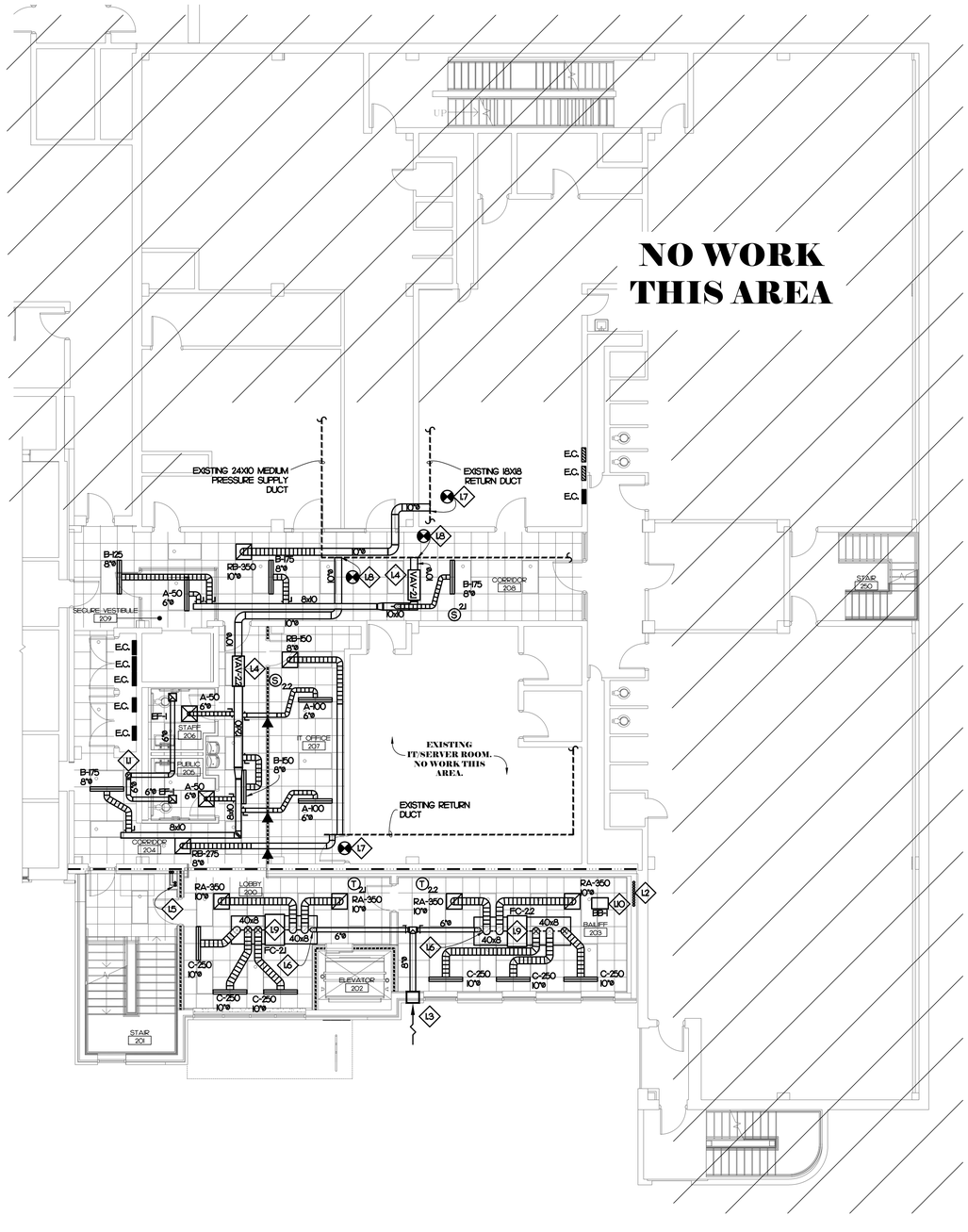
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No. 3M2.1
Checked By: BWF	

Sheet Title: FIRST FLOOR MECHANICAL RENOVATION PLAN

Copyright © 2020 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



NOTE:
REFRIGERANT PIPING THAT CROSSES A BUILDING EXPANSION JOINT OR SEISMIC JOINT/SEPARATION SHALL BE PROVIDED WITH A PACKLESS INDUSTRIES OR METRAFELX FLEXIBLE CONNECTOR IN A U-CONFIGURATION. THE FLEXIBLE CONNECTION SHOULD BE RATED UP TO 600 PSI. THE U-CONFIGURATION SHALL BE ORIENTED HORIZONTALLY TO AVOID A TRAP.

1 / 3M2.2 SECOND FLOOR - MECHANICAL RENOVATION

SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

- U — EXHAUST UP TO NEW 12" ROOF CAP ON EXISTING SKYLIGHT CURB. PROVIDE WITH CURB ADAPTER AS REQUIRED.
- L2 — LINESETS FROM THIRD FLOOR AND TO FIRST FLOOR, 1" CONDENSATE DOWN TO FIRST FLOOR.
- L3 — PROVIDE GREENHECK ESD-202-12X8 LOUVER FOR 100 CFM AND 0.1 SQFT OF FREE AREA. PROVIDE WITH KYNAR FINISH AND BIRD SCREEN.
- L4 — NEW VAV TERMINAL. CONNECT BACK TO EXISTING MEDIUM PRESSURE SUPPLY DUCT AS REQUIRED. CONTROL VIA EXISTING ENVIROCON BUILDING AUTOMATION SYSTEM.
- L5 — LINE SETS TO/FROM ROOF.
- L6 — 6"ø OUTSIDE AIR DUCT DOWN INTO RETURN DUCT. SEE OUTSIDE AIR SUMMARY FOR BALANCE DETAIL.
- L7 — CONNECT TO EXISTING RETURN DUCT IN THIS AREA. FIELD VERIFY EXISTING DUCT SIZE.
- L8 — CONNECT TO EXISTING MEDIUM PRESSURE SUPPLY DUCT IN THIS AREA. FIELD VERIFY EXISTING DUCT SIZE.
- L9 — MOUNT UNIT AND ASSOCIATED DUCT UP IN STRUCTURE.
- L10 — MOUNT BRANCH BOX UP IN STRUCTURE. RUN LINESETS TO FAN COILS AS REQUIRED. PROVIDE WITH AUXILLIARY DRAIN PAN AS REQUIRED.

SEISMIC AND WIND REQUIREMETS FOR MECHANICAL SYSTEMS (PER ASCE 7-05)

1. ALL ROOF CURBS/ROOF RAILS INCLUDING THEIR ATTACHMENT TO THE EQUIPMENT AND STRUCTURE MUST BE EVALUATED FOR WIND LOADING. WHERE SEISMIC RESTRAINT IS REQUIRED, THE MORE DEMANDING FORCE OF WIND AND SEISMIC MUST BE USED.
2. SEE SEISMIC INFORMATION CONTAINED ON STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY.
3. SEE TABLE BELOW FOR SPECIFIC COMPONENT RESTRAINT REQUIREMENTS.
4. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL.

SEISMIC DESIGN CATEGORY D, COMPONENT IMPORTANCE FACTOR 1.5

COMPONENT	RESTRAINT REQUIREMENT	ASCE 7-05 REFERENCE
SUSPENDED EQUIPMENT INLINE WITH DUCT/PIPE	RESTRAIN IF >75 LB (SEE NOTE 3,4)	13.6.7
SUSPENDED EQUIPMENT NOT INLINE WITH DUCT/PIPE	RESTRAIN ALL	13.6.3
DUCTILE PIPING	PIPE GREATER THAN 2" (SEE NOTES 5, 6)	13.6.8
SUSPENDED DUCTWORK	DUCTWORK GREATER THAN 6 SQFT OR LARGER THAN 28" IN DIAMETER (SEE NOTE 6)	13.6.7
COMPONENT CERTIFICATION (NOTE 7)	REQUIRED	13.2.2

NOTES:

1. ITEMS WEIGHING LESS THAN 76 LBS. DO NOT NEED RESTRAIN IF THE ATTACHED DUCTWORK/PIPING IS RESTRAINED AND POSITIVELY ATTACHED TO THE EQUIPMENT.
2. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
3. ALL NON-DUCTILE PIPING (PLASTIC, CAST IRON, CERAMIC) MUST BE RESTRAINED.
4. RESTRAINT IS NOT REQUIRED IF SUSPENDED 12" OR LESS FROM THE STRUCTURE AND THE HANGERS ARE DETAILED TO AVOID SIGNIFICATIN BENDING OF THE HANGERS AND THEIR ATTACHMENTS AND PROVISIONS ARE MADE FOR PIPING TO ACCOMMODATE EXPECTED DEFLECTIONS.
5. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY THE ENGINEER OF RECORD.

SITE SPECIFIC REQUIREMENTS FOR CRAVEN COUNTY COURTHOUSE

ALL SPRINKLER PIPING LARGER THAN 2" SHALL BE RESTRAINED IN ACCORDANCE WITH NFPA 13.

ALL DOMESTIC WATER, SEWER AND VENT PIPING LARGER THAN 2" SHALL BE RESTRAINED WITH CABLES AT 45° ANGLES AND SECURED TO STRUCTURE. PIPING INSTALLED WITHIN 12" OF STRUCTURE SHALL BE EXEMPT.

2 / 3M2.2 SEISMIC NOTES

NOT TO SCALE

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
322I BLUE RIDGE ROAD
SUITE I3
RALEIGH, NC 27612
(919) 571-III

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FEITS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-981 PROFESSIONAL CORPORATION

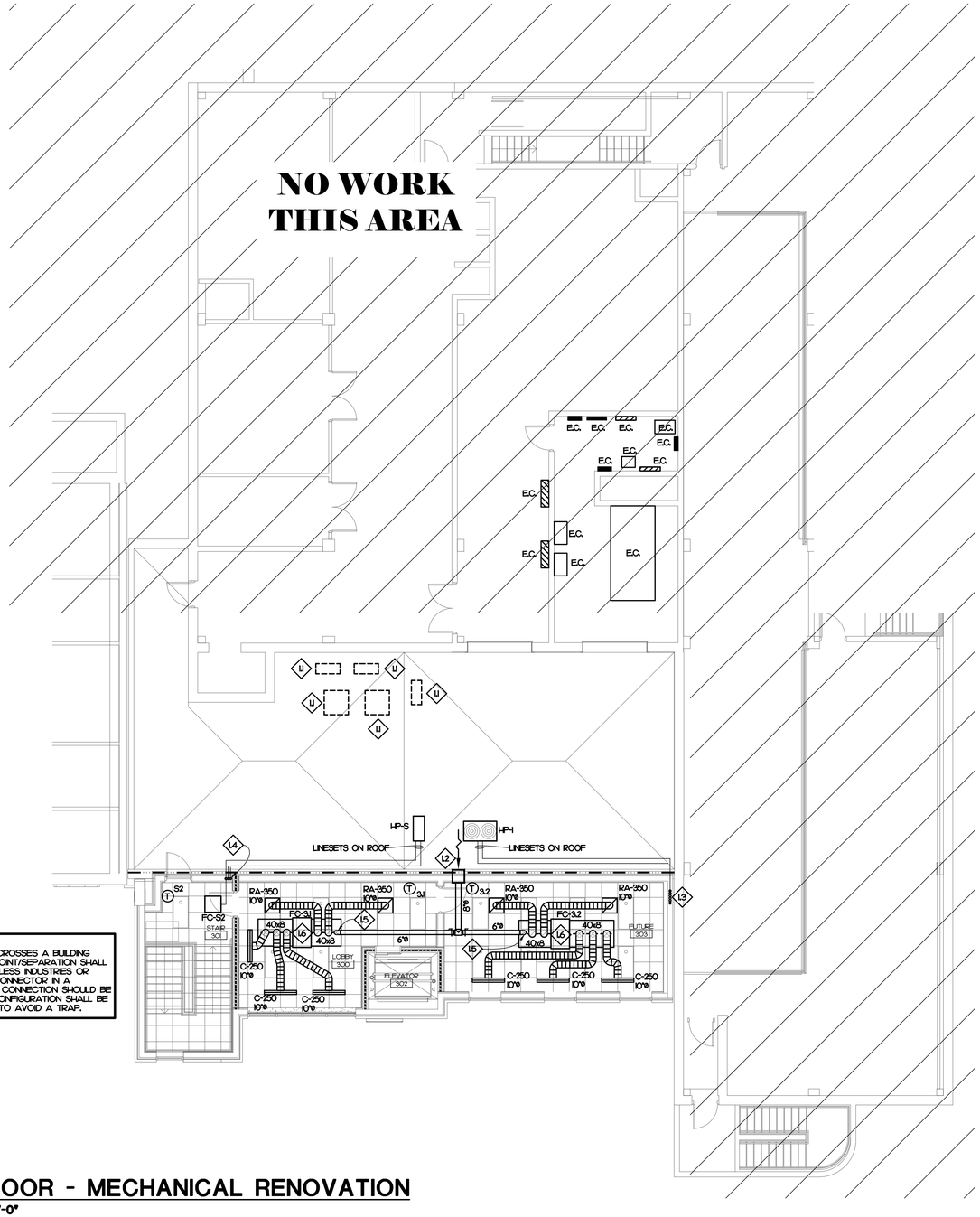
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3M2.2
Checked By: BWF	

Sheet Title: SECOND FLOOR MECHANICAL RENOVATION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

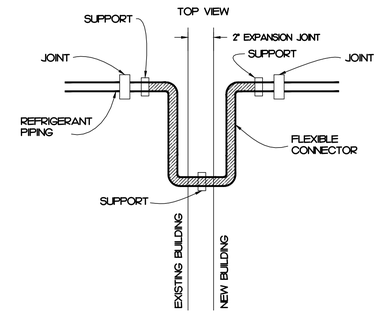


NOTE:
REFRIGERANT PIPING THAT CROSSES A BUILDING EXPANSION JOINT OR SEISMIC JOINT/SEPARATION SHALL BE PROVIDED WITH A PACKLESS INDUSTRIES OR METRAFELX FLEXIBLE CONNECTOR IN A U-CONFIGURATION. THE FLEXIBLE CONNECTION SHOULD BE RATED UP TO 600 PSI. THE U-CONFIGURATION SHALL BE ORIENTED HORIZONTALLY TO AVOID A TRAP.

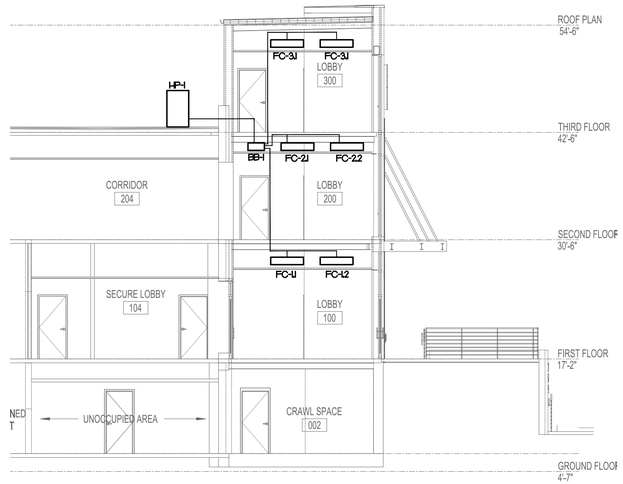
1 3M2.3 THIRD FLOOR - MECHANICAL RENOVATION
SCALE - 1/8" - 1'-0"

MECHANICAL KEY NOTES

- U — EXISTING OUTDOOR UNIT TO REMAIN.
- L2 — PROVIDE GREENHECK ESD-202-12X8 LOUVER FOR 100 CFM AND 0.1 SQFT OF FREE AREA. PROVIDE WITH KYNAR FINISH AND BIRD SCREEN.
- L3 — LINE SETS TO/FROM ROOF AND 1" CONDENSATE DOWN.
- L4 — LINE SETS TO/FROM FIRST FLOOR.
- L5 — 6"ø OUTSIDE AIR DUCT DOWN INTO RETURN DUCT. SEE OUTSIDE AIR SUMMARY FOR BALANCE DETAIL.
- L6 — MOUNT UNIT AND ASSOCIATED DUCT UP IN STRUCTURE.



3 3M2.3 FLEXIBLE CONNECTOR DETAIL
NOT TO SCALE



2 3M2.3 VRF PIPING SCHEMATIC
SCALE - 1/8" - 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS
7/7/23

ATLANTEC ENGINEERS PA No. C-861 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
1	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3M2.3
Checked By: BWF	

Sheet Title: THIRD FLOOR MECHANICAL RENOVATION PLAN

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

PRESCRIPTIVE ☒ ENERGY COST BUDGET ☐

THERMAL ZONE 3A

EXTERIOR DESIGN CONDITIONS
winter dry bulb: 15°F
summer dry bulb: 93°F
relative humidity: 46%

INTERIOR DESIGN CONDITIONS
winter dry bulb: 70°F
summer dry bulb: 74°F
relative humidity: 50%

ADDITION

BUILDING HEATING LOAD: BLOCK LOAD = 39.2 MBH
BUILDING COOLING LOAD: BLOCK LOAD = 82.2 MBH (6.85 TONS)

MECHANICAL SPACING CONDITIONING SYSTEM
Unitary:
description of unit:
heating efficiency:
cooling efficiency:
heat output of unit:
cooling output of unit:
} SEE SCHEDULES ON THIS SHEET
Boiler: N.A.
total boiler capacity. If oversized state reason.
Chiller: N.A.
total chiller capacity. If oversized state reason.

LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES ON THIS SHEET

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)
motor horsepower:
number of phases:
minimum efficiency:
motor type:
# of poles:
} SEE SCHEDULES ON THIS SHEET

DESIGNER STATEMENT

To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Energy Code.

SIGNED: _____

NAME: Bradley W. Felts, PE

TITLE: Professional Engineer

EXHAUST FAN SCHEDULE

MARK	BASIS OF DESIGN	SERVICE	TYPE	CFM	RPM	HP/AMPS	S.P.	POWER	NOTES
EF-1	COOK GC-140	TOILET	CABINET FAN	105	1500	67 Watts	0.25"	120/1	1-3
EF-2	COOK SQNZD	VENTILATION	DIRECT DRIVE	500	1278	108 Watts	0.33"	120/1	1,2,4

NOTES:
1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. CONTROL VIA LIGHT SWITCH BY E.C.
4. RELOCATED EXISTING EXHAUST FAN TO RUN CONTINOUSLY.

ELECTRIC UNIT HEATER SCHEDULE

MARK	BASIS OF DESIGN	LOCATION	CFM	CAPACITY (Btuh)	ELECTRICAL (A)	(kW)	POWER	NOTES
UH-1	REZNOR EQHP-5J	GARAGE	1300	51,000	31.25	15.0	480/3	1-3

NOTES:
1. PROVIDE WITH POWER DISCONNECT.
2. PROVIDE WITH INTEGRAL THERMOSTAT.
3. PROVIDE WITH WALL MOUNTING KIT.

GRILLE & DIFFUSER SCHEDULE

MARK	BASIS OF DESIGN	SERVICE	TYPE	MAX. CFM	FACE SIZE	NECK SIZE	NOTES
A	PRICE TBD3 1/2" WIDTH	SUPPLY	LINEAR SLOT	100	48" - 1 SLOT	6"ø	1,3
B	PRICE TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	200	48" - 1 SLOT	8"ø	1,3
C	PRICE TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	325	48" - 2 SLOT	10"ø	1,3
D	PRICE SCD 4 CONE	SUPPLY	LOUVERED LAY-IN	100	24X24	6"ø	1-3
EA	PRICE 530	EXHAUST	LOUVERED LAY-IN	130	10X6	SEE DWG	1-3
RA	PRICE 530	RETURN	LOUVERED LAY-IN	1000	24X24	SEE DWG	1-3

NOTES:
1. COORDINATE FINISH WITH ARCHITECT.
2. GRILLE TO HAVE FULLY LOUVERED FACE.
3. PROVIDE WITH INSULATED SHEET METAL PLENUM.

VAV SCHEDULE

MARK	BASIS OF DESIGN	COOLING AIRFLOW	HEATING AIRFLOW	MINIMUM AIRFLOW	HEAT CAPACITY	ELECTRIC HEAT	INLET	OUTLET	NOTES
VAV-1.1	TRANE VCEF-12	1275	1020	450	27.5 MBH	8.0 kW	12"ø	14X17	1,3-8
VAV-2.1	TRANE VCEF-08	525	420	185	11.3 MBH	3.5 kW	8"ø	10X11	2-7,9
VAV-2.2	TRANE VCEF-08	625	500	220	13.5 MBH	4.0 kW	8"ø	10X11	2-7,9

NOTES:
1. PROVIDE WITH 480 VOLT TO 24 VOLT TRANSFORMER WITH HEAVY DUTY DISCONNECT.
2. PROVIDE WITH 277 VOLT TO 24 VOLT TRANSFORMER WITH HEAVY DUTY DISCONNECT.
3. PROVIDE WITH FIELD MOUNTED CONTROLS.
4. CONTROL VIA EXISTING BUILDING AUTOMATION SYSTEM.
5. PROVIDE WITH INLET AIR FLOW PROBE.
6. PROVIDE WITH TWO STAGES OF HEAT.
7. PROVIDE WITH WALL MOUNTED TEMPERATURE SENSOR.
8. VAV BOX TO BE 480/3 POWER.
9. VAV BOX TO BE 277/1 POWER.

SPLIT-SYSTEM HEAT PUMP SCHEDULE

INSIDE UNIT									OUTSIDE UNIT										
		FAN			SUPP.	ELECTRICAL					CAPACITY		HEATING	ELECTRICAL			EFFICIENCY		
MARK	BASIS OF DESIGN	CFM	S.P.	kW	HEAT	POWER	MCA	MOCP	MARK	BASIS OF DESIGN	TOTAL	SENSIBLE	CAPACITY	POWER	MCA	MOCP	COP	EER	NOTES
FC-1.1	MITSUBISHI PEFY-P24	750	0.33	0.12		208/1	2.88	15	HP-1	MITSUBISH PURY-P96TNU	96.0 MBH	96.0 MBH	108.0 MBH	208/3	33	50	4.01	13.65	1-7
FC-1.2	MITSUBISHI PEFY-P24	750	0.33	0.12		208/1	2.88	15											
FC-2.1	MITSUBISHI PEFY-P24	750	0.33	0.12		208/1	2.88	15											
FC-2.2	MITSUBISHI PEFY-P24	750	0.33	0.12		208/1	2.88	15											
FC-3.1	MITSUBISHI PEFY-P24	750	0.33	0.12		208/1	2.88	15											
FC-3.2	MITSUBISHI PEFY-P24	750	0.33	0.12		208/1	2.88	15											

NOTES:
1. PROVIDE WITH HEAVY DUTY FUSIBLE DISCONNECT ON OUTDOOR UNITS.
2. PROVIDE WITH MOTOR RATED DISCONNECT SWITCH FOR INDOOR UNIT.
3. PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0 DEGREES FAHRENHEIT.
4. PROVIDE WITH CONDENSATE PUMP AND ROUTE CONDENSATE TO COLLECTION SYSTEM.
5. CONTROL VIA MITSUBISHI BUILDING AUTOMATION SYSTEM WITH SMART ME WALL CONTROLLER WITH TEMPERATURE, OCCUPANCY AND HUMIDITY SENSOR.
6. PROVIDE WITH 2" PLEATED MERV 13 FILTER RACK AND FILTER.
7. MOUNT OUTDOOR UNIT ON ROOF RAILS.
8. PROVIDE SEACOAST PROTECTION ON CONDENSER COILS.

BRANCH BOX SCHEDULE

BRANCH BOX						FAN COIL	
MARK	BASIS OF DESIGN	CAPACITY	ELECTRICAL POWER	MCA	MOCP	MARK	NOTES
BB-1	MITSUBISHI CMB-P108NU-JA1	144.0 MBH	208/1	0.74	15	FC-1.1	1-4
						FC-1.2	
						FC-2.1	
						FC-2.2	
						FC-3.1	
						FC-3.2	

NOTES:
1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH CONDENSATE DRAIN FOR MULTIPORT BOX WITH CONDENSATE PUMP.
3. PROVIDE WITH CONDENSATE PUMP AND ROUTE DISCHARGE TO COLLECTION SYSTEM.
4. SEE PIPING SCHEMATIC FOR ADDITIONAL PIPING DETAILS.
5. UNUSED PORTS SHALL BE CAPPED FOR FUTURE USE.

NOTE:

INSTALL PIPING IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. CONTRACTOR MUST BE FACTORY TRAINED TO INSTALL EQUIPMENT. CONTRACTOR SHALL INCLUDE FACTORY START-UP AND FIELD SUPERVISION OF INSTALL BY QUALIFIED FACTORY TECHNICIAN. SEE SHEET M4.1 FOR PIPING AND ELECTRICAL WIRING.

EQUAL SYSTEMS BY DAIKIN, CARRIER, AND TRANE ARE ACCEPTABLE. CONTRACTOR IS RESPONSIBLE FOR ALTERNATE SYSTEM DESIGN OF PIPING AND ELECTRICAL CONNECTIONS IF DIFFERENT FROM THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE PROOF OF SUCCESSFUL INSTALLATION AND TRAINING WITH SUBMITTALS.

SPLIT SYSTEM HEAT PUMP SCHEDULE

INSIDE UNIT				OUTSIDE UNIT								
		FAN					ELECTRICAL			EFFICIENCY	EFFICIENCY	
MARK	BASIS OF DESIGN	CFM	F.L.A.	MARK	BASIS OF DESIGN	COOLING / HEATING CAPACITY	POWER	MCA	MOCP	COOLING	HEATING	NOTES
FC-S1	MITSUBISHI SLZ-KF12NA	325	0.24	HP-S	MITSUBISHI SUZ-KA12NA2	24.0 MBH	208/1	9.0	15.0	22.0 SEER	11.4 HSPF	1-4
FC-S2	MITSUBISHI SLZ-KF12NA	325	0.24									

NOTES:
1. PROVIDE FUSIBLE DISCONNECT ON OUTDOOR UNIT.
2. PROVIDE MOTOR RATED SWITCH FOR INDOOR UNIT.
3. PROVIDE WITH CONDENSATE PUMP AND ROUTE DISCHARGE TO EXTERIOR.
4. PROVIDE WITH WALL MOUNTED THERMOSTAT.
5. INDOOR UNIT TO BE POWERED BY OUTDOOR UNIT.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (M.C.).
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M.C. SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEERS' ATTENTION.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE M.C. SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO M.C. EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO HIS EQUIPMENT.
7. INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AT ALL AIR HANDLING UNITS.
8. INSTALL TURNING VANES IN SUPPLY DUCTS AT ELBOWS. PROVIDE BALANCING AND SPLITTER DAMPERS WHERE SHOWN AND AS REQUIRED FOR SYSTEM BALANCING.
9. ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
10. THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER HIS CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
11. THE M.C. SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
12. FLEXIBLE DUCT RUNOUTS SHALL BE A MAXIMUM OF 14'-0".
13. ALL FLEXIBLE DUCT RUNOUTS SHALL INCLUDE INSULATED DAMPERED BOOTS AT THE POINT OF CONNECTION WITH RECTANGULAR DUCT. PROVIDE ALL FLEXIBLE DUCTWORK WITH FOIL-BACKED, EXTERNALLY WRAPPED INSULATION FOR A MINIMUM OF R-8.
14. ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS. EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8.
15. MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
16. THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
17. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF JOB.
18. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF DUCT SHOP DRAWINGS FOR APPROVAL.
19. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
20. PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
21. LABEL CEILING GRID WHERE EQUIPMENT IS LOCATED ABOVE LAY-IN CEILING. WITH EQUIPMENT IDENTIFIER. ALSO LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	EXISTING SHEET METAL DUCT
	EXISTING SHEET METAL DUCT
	REMOVE EXISTING DUCT
	EXISTING FLEXIBLE DUCT
	FLEXIBLE DUCT
	SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM
	RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXISTING SUPPLY DIFFUSER
	EXISTING RETURN GRILLE
	EXHAUST FAN
T	THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR
BD	BALANCING DAMPER
	ELBOW WITH TURNING VANES
	MANUAL (BALANCING) DAMPER
	2" FELXIBLE CONNECTION JOINT
	1-HR RATED WALL
	CONNECT TO EXISTING
	FIRE DAMPER

OUTSIDE AIR SUMMARY

REQUIRED:

NEW:

OFFICE/LOBBY/CONFERENCE: 1,974 SQFT * 0.06 CFM/SQFT + 32 PER * 5 CFM/PER = 278 CFM

TOTAL NEW REQUIRED = 278 CFM

PROVIDED:

FC-1.1: 50 CFM
FC-1.2: 50 CFM
FC-2.1: 50 CFM
FC-2.2: 50 CFM
FC-3.1: 50 CFM
FC-3.2: 50 CFM

TOTAL NEW PROVIDED = 300 CFM

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025036 BRADLEY W. FELTS 7/7/23

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

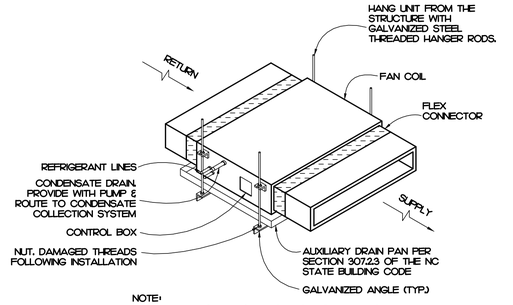
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

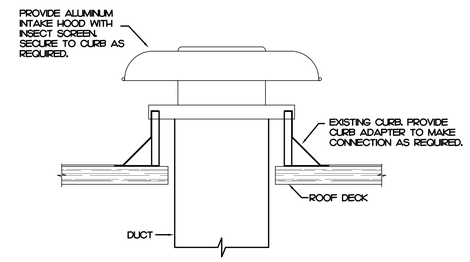
Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3M3.1
Checked By: BWF	

Sheet Title: MECHANICAL SCHEDULES, NOTES, AND LEGEND

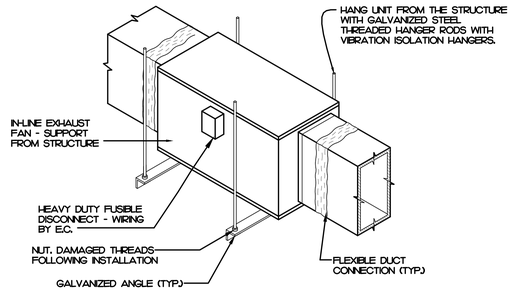
Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



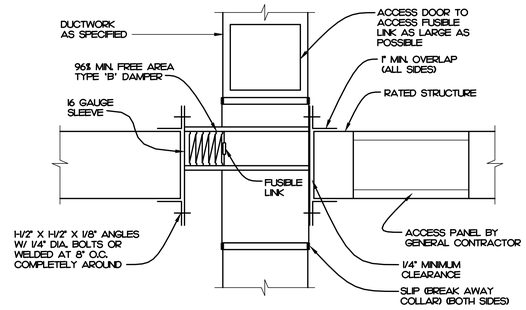
9 FAN COIL DETAIL
3M3.2 NOT TO SCALE



10 ROOF CAP DETAIL
3M3.2 NOT TO SCALE

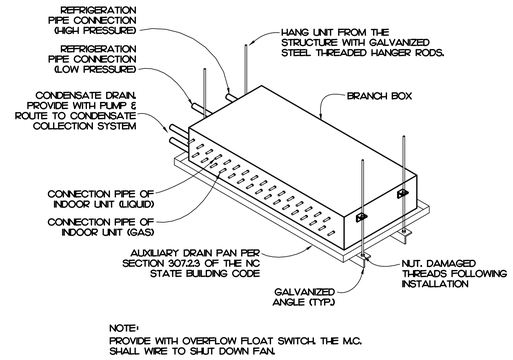


11 IN-LINE EXHAUST FAN DETAIL
3M3.2 NOT TO SCALE

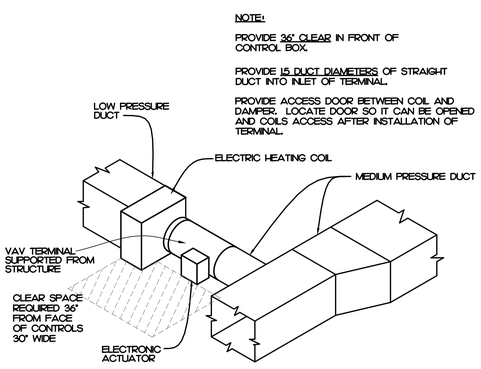


NOTE: DETAIL FOR REFERENCE ONLY. DAMPERS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. DO NOT FIRE STOP THE GAP BETWEEN THE FIRE DAMPER SLEEVE AND THE PENETRATION UNLESS SPECIFICALLY CALLED FOR IN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

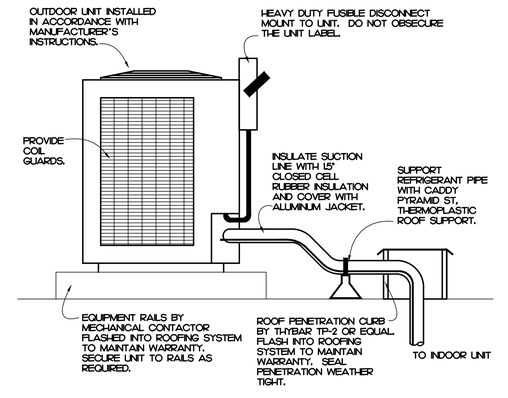
12 FIRE DAMPER DETAIL
3M3.2 NOT TO SCALE



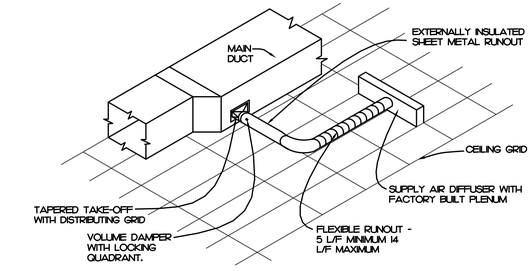
8 BRANCH BOX DETAIL
3M3.2 NOT TO SCALE



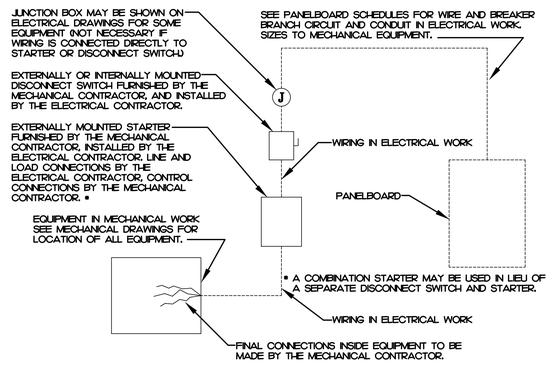
7 VAV DETAIL
3M3.2 NOT TO SCALE



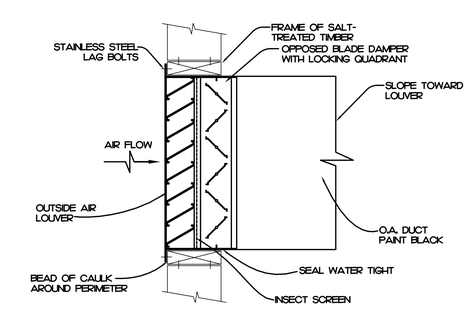
6 ROOF MTD OUTDOOR UNIT DETAIL
3M3.2 NOT TO SCALE



5 SLOT DIFFUSER DETAIL
3M3.2 NOT TO SCALE

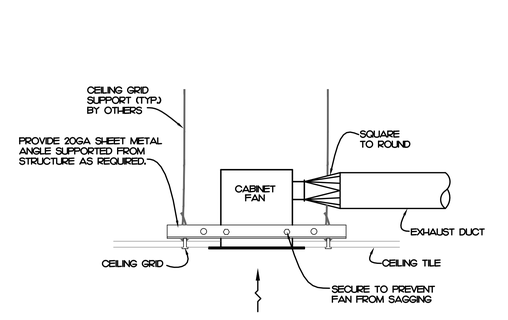


1 TYPICAL WIRING DETAIL
3M3.2 NOT TO SCALE

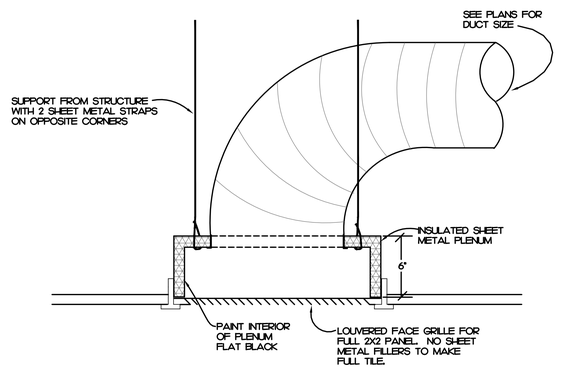


NOTE: OPENING AND FRAME PROVIDED BY THE G.C.

2 OUTSIDE AIR LOUVER DETAIL
3M3.2 NOT TO SCALE



3 CABINET FAN DETAIL
3M3.2 NOT TO SCALE



4 RETURN DIFFUSER DETAIL
3M3.2 NOT TO SCALE

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 025036 ENGINEER BRADLEY W. FELTS
7/7/23

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-981 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

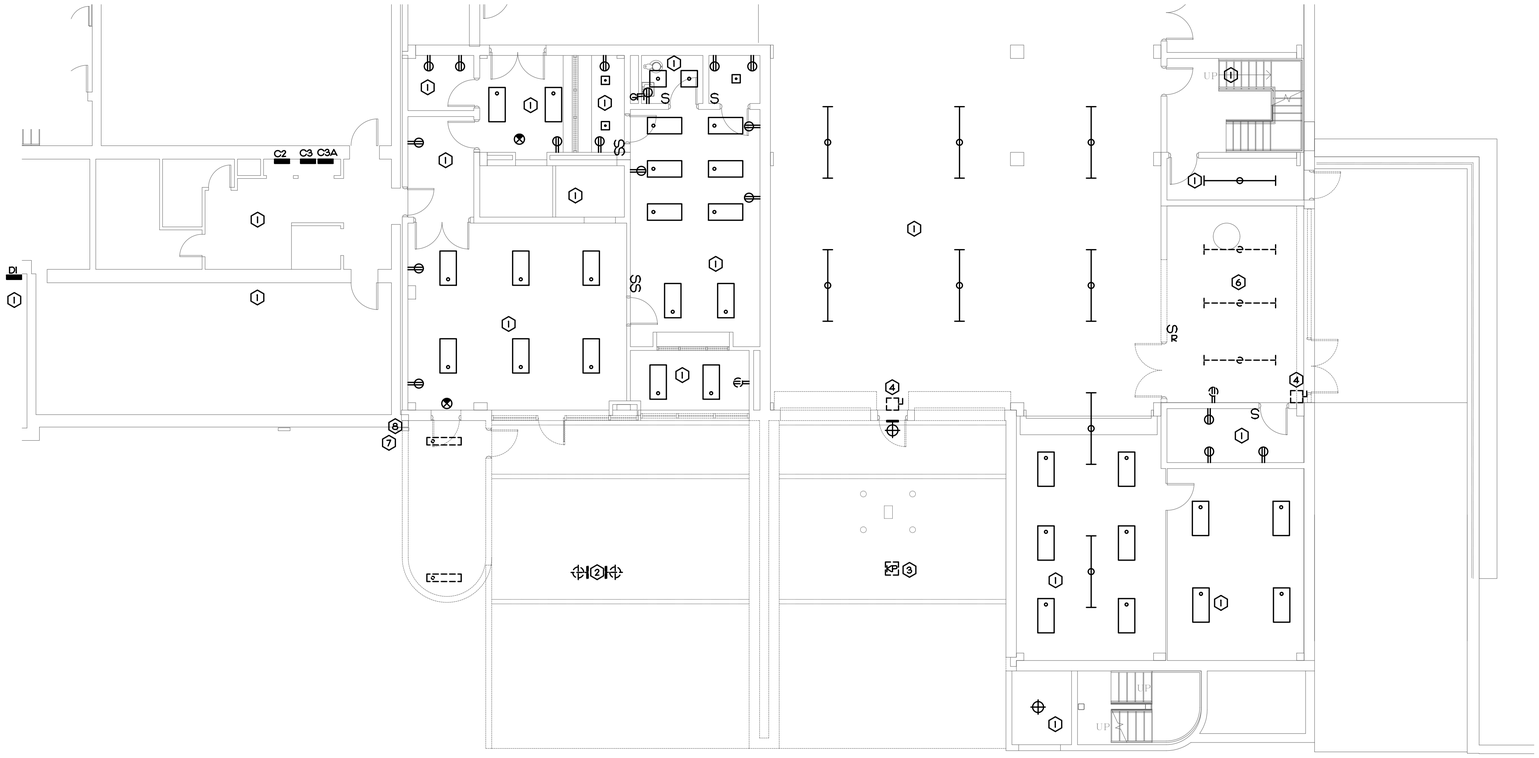
Revisions		
	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: NGB	Sheet No.: 3M3.2
Checked By: BWF	

Sheet Title: MECHANICAL DETAILS

KEY NOTES

1. NO WORK THIS AREA. DEVICES SHOWN ARE EXISTING TO REMAIN.
2. EXISTING SIGN WITH FLUORESCENT LIGHT FIXTURES TO BE REMOVED.
3. EXISTING KEYPAD PEDESTAL TO BE REMOVED.
4. REMOVE EXISTING DISCONNECT FOR ROLL UP DOORS. CIRCUITS TO BE REUSED FOR NEW DOOR POWER.
5. NOT USED.
6. EXISTING EXHAUST FAN TO BE RELOCATED. SEE NEW WORK PLAN. CIRCUIT TO BE REWORKED/EXTENDED.
7. EXISTING ELECTRICAL DISCONNECT AND CONDUITS CONTAINING POWER CONDUCTORS ON WALL TO BE REMOVED TO BE REMOVED AND REINSTALLED AFTER CONSTRUCTION.
8. EXISTING FIBER CONDUIT RUN TO FIBER ROOM ON FIRST FLOOR TO BE REMOVED. CONDUIT AND FIBER TO STAY IN PLACE UNTIL NEW FIBER AND CONDUIT IS INSTALLED. CONTRACTOR TO PROTECT CONDUIT AND FIBER UNTIL NEW FIBER AND CONDUIT IS INSTALLED.



1 ELECTRICAL DEMOLITION PLAN GROUND FLOOR
E1.1 SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-961

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

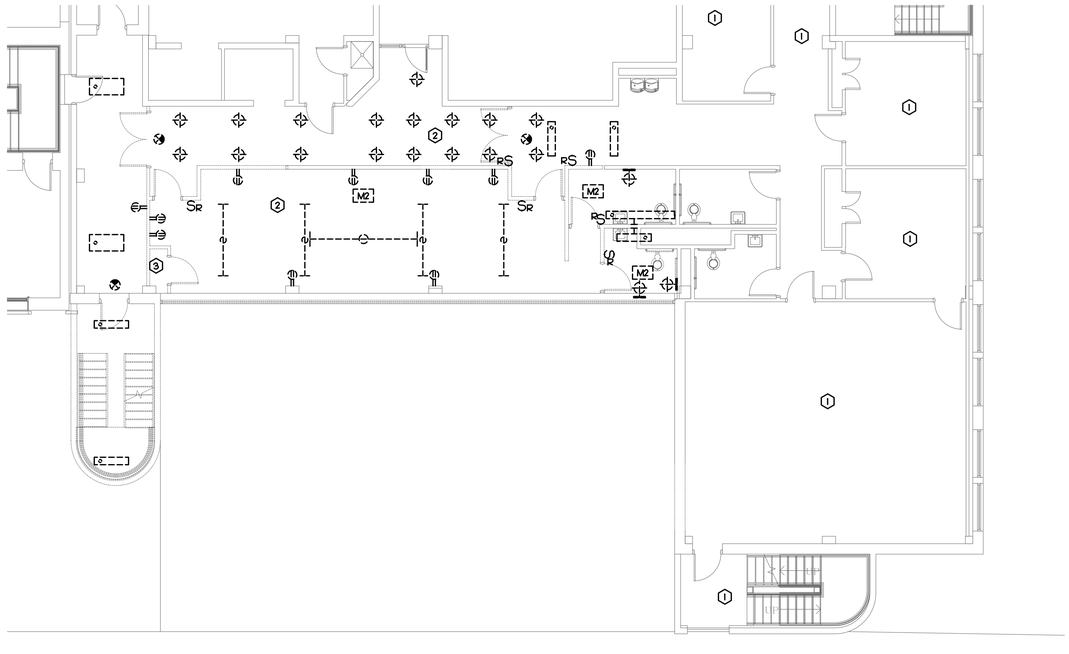
Revisions		
4	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No.: 3E1.1
Checked By: DW	

Sheet Title: ELECTRICAL DEMOLITION PLAN GROUND FLOOR

KEY NOTES

1. NO WORK THIS AREA.
2. REMOVE CONNECTION FOR VAV TERMINAL.
3. FIBER CONDUIT ROOM. EXISTING CONDUIT RUN IN THIS ROOM TO BE REMOVED. CONDUIT AND FIBER TO STAY IN PLACE UNTIL NEW FIBER AND CONDUIT IS INSTALLED. CONTRACTOR TO PROTECT CONDUIT AND FIBER UNTIL NEW FIBER AND CONDUIT IS INSTALLED.



1 / E1.2 ELECTRICAL DEMOLITION PLAN FIRST FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 101
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-981 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

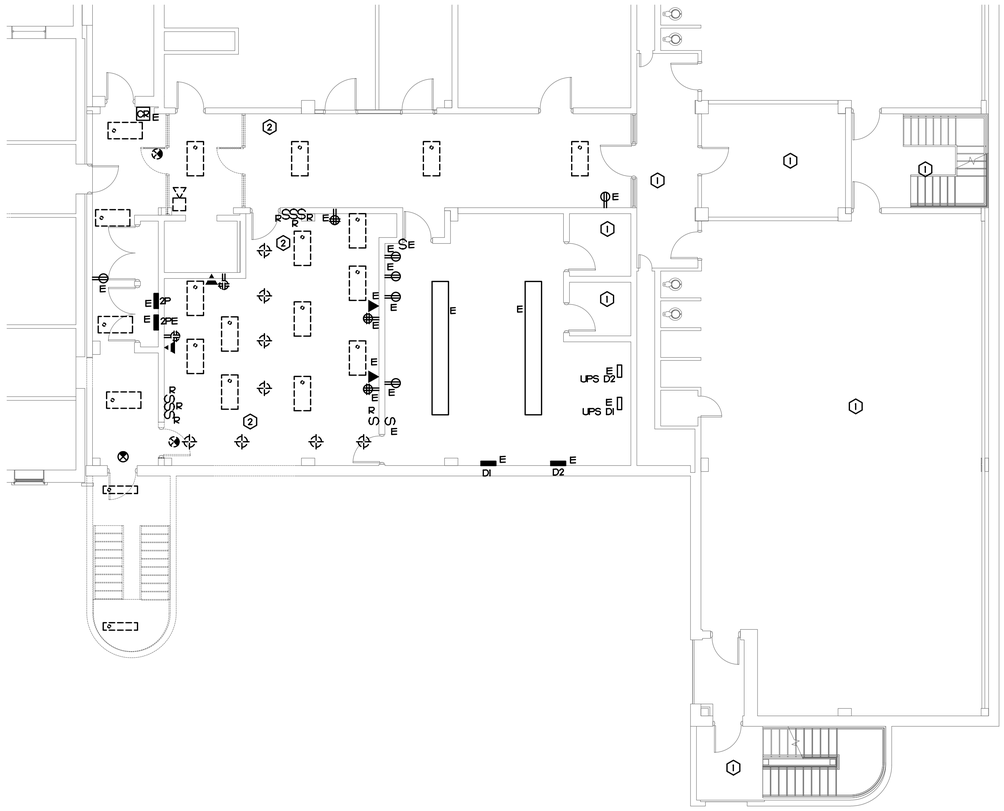
Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E1.2
Checked By: DW	

Sheet Title: ELECTRICAL DEMOLITION PLAN FIRST FLOOR

KEY NOTES

1. NO WORK THIS AREA
2. REMOVE CONNECTION FOR VAV TERMINAL.



1 E1.3 **ELECTRICAL DEMOLITION PLAN SECOND FLOOR**

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-981 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

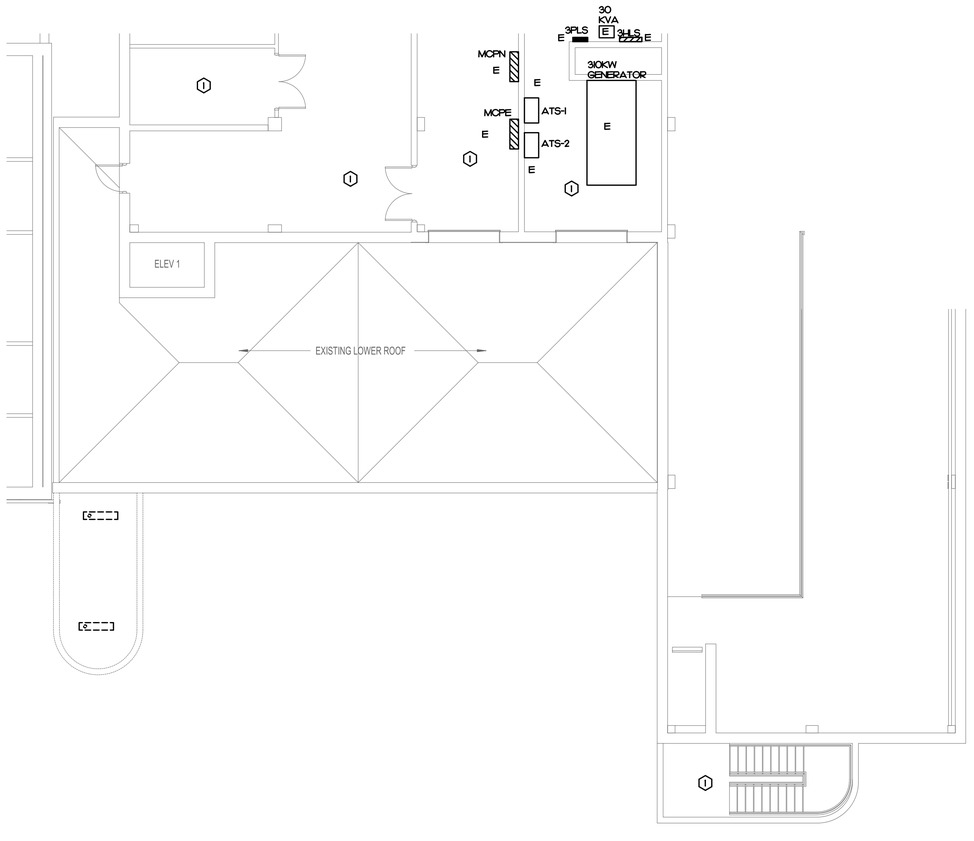
Revisions		
1	Description	Date

Date 07/07/23	Project No. 22006
Drawn By AB	Sheet No. 3E1.3
Checked By DW	

Sheet Title
ELECTRICAL DEMOLITION PLAN
SECOND FLOOR

KEY NOTES

1. NO WORK THIS AREA



1 E1.4 ELECTRICAL DEMOLITION PLAN THIRD FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID J. WHITNEY

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No.: 3E1.4
Checked By: DW	

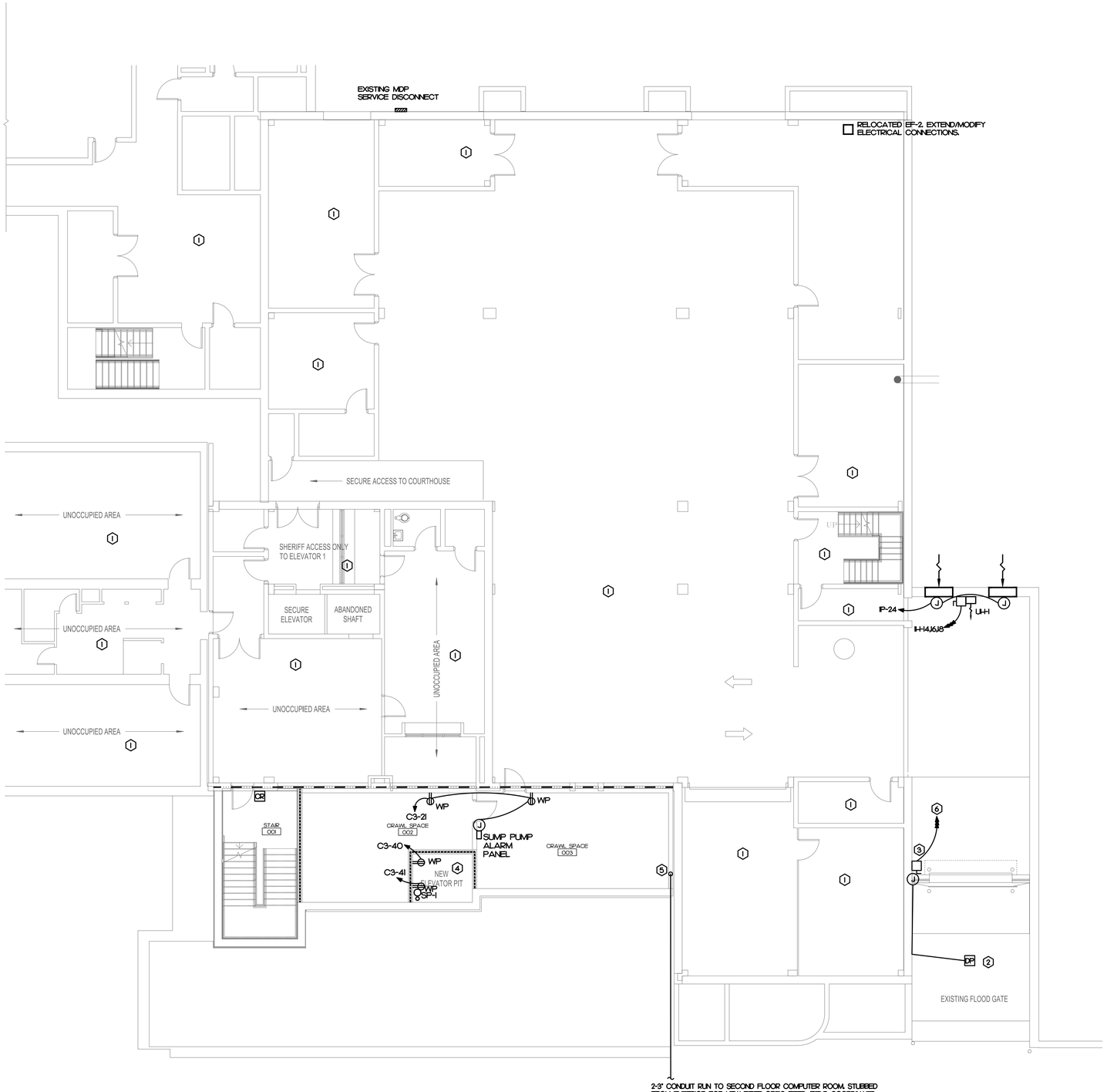
Sheet Title: ELECTRICAL DEMOLITION PLAN THIRD FLOOR

KEY NOTES

1. NO WORK THIS AREA.
2. PROVIDE AND INSTALL NEW GOOSE NECK KEY PAD PEDESTAL FOR DOOR OPERATOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT. PROVIDE EMPTY CONDUIT WITH CONTROL WIRING TO THE DOOR OPERATOR.
3. OVERHEAD DOOR DISCONNECT. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
4. ELEVATOR PIT NOTES:
   - LOCATE 5 RECEPTACLES ADJACENT TO PIT ACCESS LADDER.
   - FIELD COORDINATE LOCATION OF SUMP PUMP RECEPTACLE WITH P.C.
   - MOUNT RECEPTACLE 18" ABOVE PIT FLOOR.
5. NEW CONDUIT STUB UP FOR FIBER OPTIC.
6. CONNECT TO EXISTING DOOR CIRCUIT MADE SPARE FROM DEMOLITION.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.
2. ALL EXPOSED CONDUIT, MISC. WIRES, CAMERAS ARE TO IF ABANDONED ARE TO BE REMOVED. IF IN USE THEY ARE TO BE CONCEALED WHERE POSSIBLE WITH NEAT WORKMANSHIP.



1 / E2.1 ELECTRICAL PLAN GROUND FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

ATLANTEC ENGINEERS PA No. C-961 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
1	Description	Date

Date: 07/07/23	Project No.: 22006
Drawn By: AB	Sheet No.: 3E2.1
Checked By: DW	

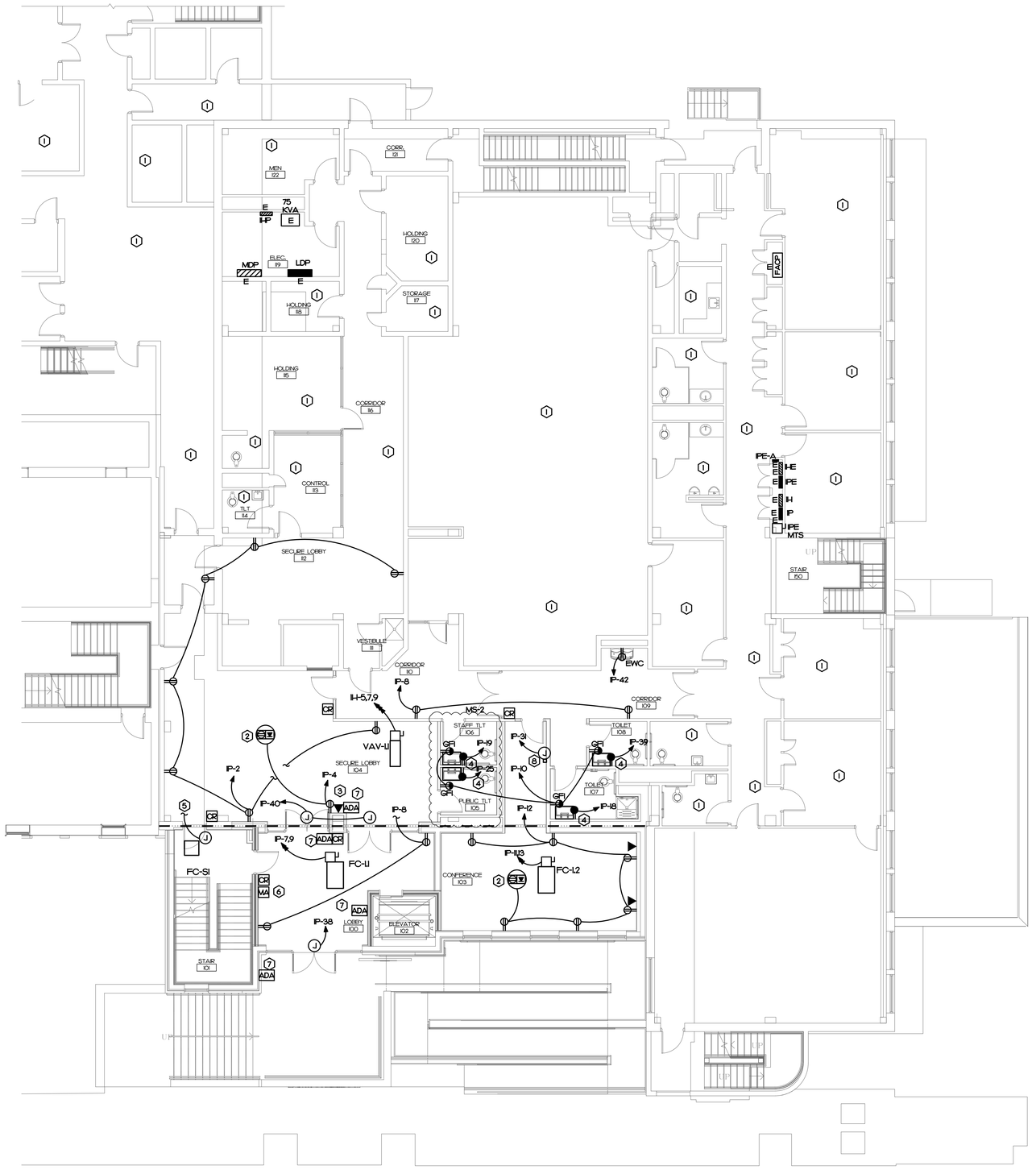
Sheet Title: ELECTRICAL PLAN GROUND FLOOR

KEY NOTES

1. NO WORK THIS AREA.
2. FIELD COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. CORE DRILL FLOOR AS REQUIRED.
3. POWER AND DATA FOR SECURITY. FIELD COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.
4. RECEPTACLE FED FROM GFCI CIRCUIT BREAKER FOR BRADLEY WASHBAR. FIELD COORDINATE EXACT LOCATION.
5. POWERED BY OUTDOOR UNIT H-P-S.
6. SEE 1/E4.2 FOR DETAILS. LOCATION OF MASTER CALL PANEL FOR AREA OF RESCUE ASSISTANCE AND ELEVATOR TWO-WAY COMMUNICATION TO BE APPROVED BY FIRE MARSHAL PRIOR TO ROUGH-IN.
7. POWER FOR ADA DOOR OPERATOR. FIELD COORDINATE LOCATION. PROVIDE BACK BOX AT ENTRY AND EXIT FOR PUSH BUTTON. PROVIDE CONDUIT AND WIRING TO DOOR CONTROLLER. FIELD COORDINATE REQUIREMENTS.
8. LOCATED ABOVE CEILING

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.
2. ALL EXPOSED CONDUIT, MISC. WIRES, CAMERAS ARE TO IF ABANDONED ARE TO BE REMOVED. IF IN USE THEY ARE TO BE CONCEALED WITH NEAT WORKMANSHIP.



1 E2.2 **ELECTRICAL PLAN FIRST FLOOR**
SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID J. WHITNALL

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No.: 3E2.2
Checked By: DW	

Sheet Title: ELECTRICAL PLAN FIRST FLOOR

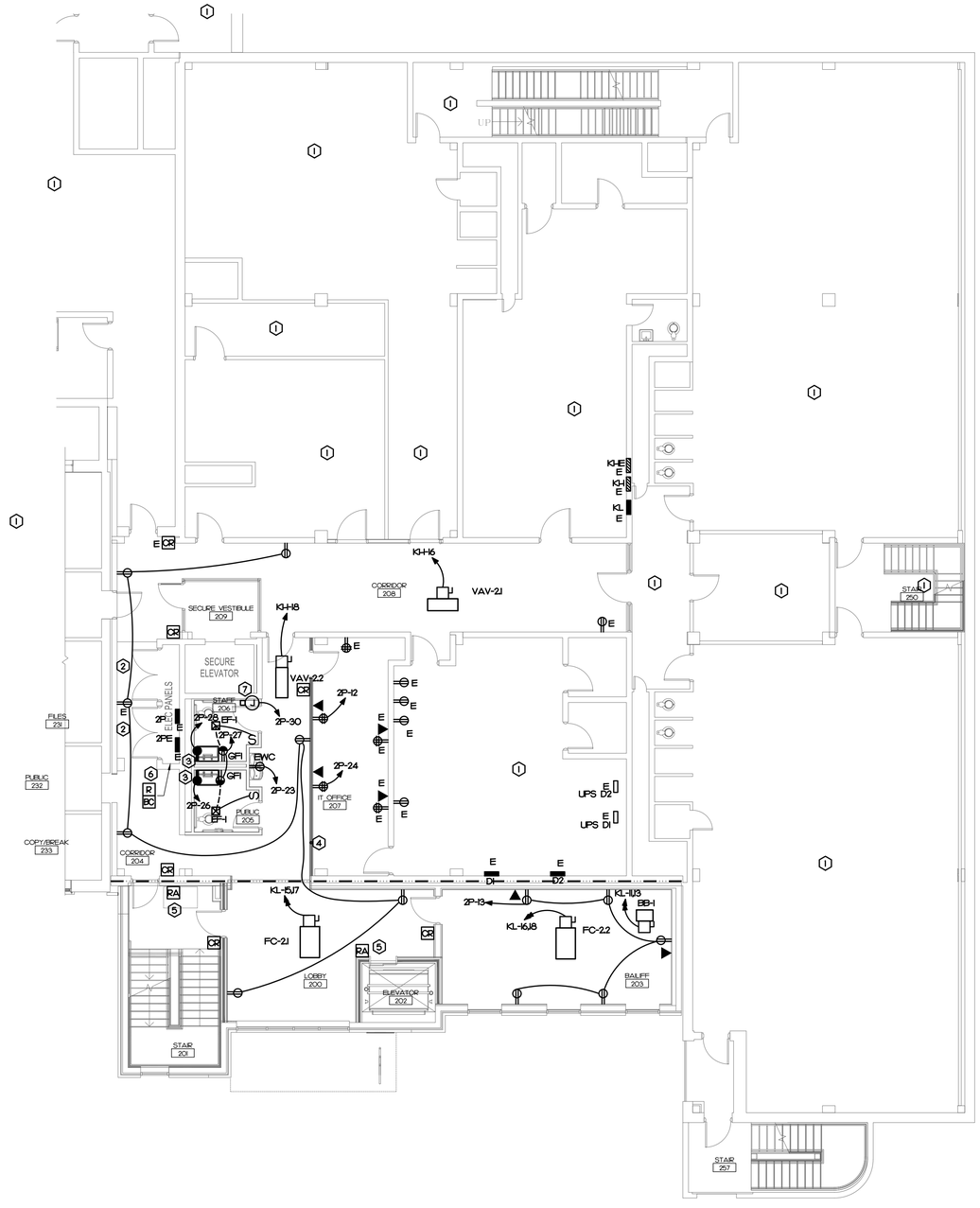
Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

1. NO WORK THIS AREA.
2. CONNECT TO EXISTING 120V RECEPTACLE CIRCUIT.
3. RECEPTACLE FED FORM GFCI CIRCUIT BREAKER FOR BRADLEY WASHBAR, FIELD COORDINATE EXACT LOCATION.
4. NEW FIBER OPTIC CONDUIT STUB UP TO THIS ROOM, FIELD COORDINATE.
5. SEE IA/E4.2 FOR DETAILS. LOCATION OF REMOTE CALL PANEL FOR AREA OF RESCUE ASSISTANCE TO BE APPROVED BY FIRE MARSHAL PRIOR TO ROUGH-IN.
6. SEE I/E4.2 FOR DETAILS. LOCATE RELAY CABINET AND BATTERY BACK-UP CABINET FOR AREA OF RESCUE ASSISTANCE IN ACCESSIBLE CEILING SPACE IN THIS AREA.
7. LOCATED ABOVE CEILING.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.
2. ALL EXPOSED CONDUIT, MISC. WIRES, CAMERAS ARE TO IF ABANDONED ARE TO BE REMOVED. IF IN USE THEY ARE TO BE CONCEALED WITH NEAT WORKMANSHIP.



1 E2.3 ELECTRICAL PLAN SECOND FLOOR

SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITING

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E2.3
Checked By: DW	

Sheet Title: ELECTRICAL PLAN SECOND FLOOR

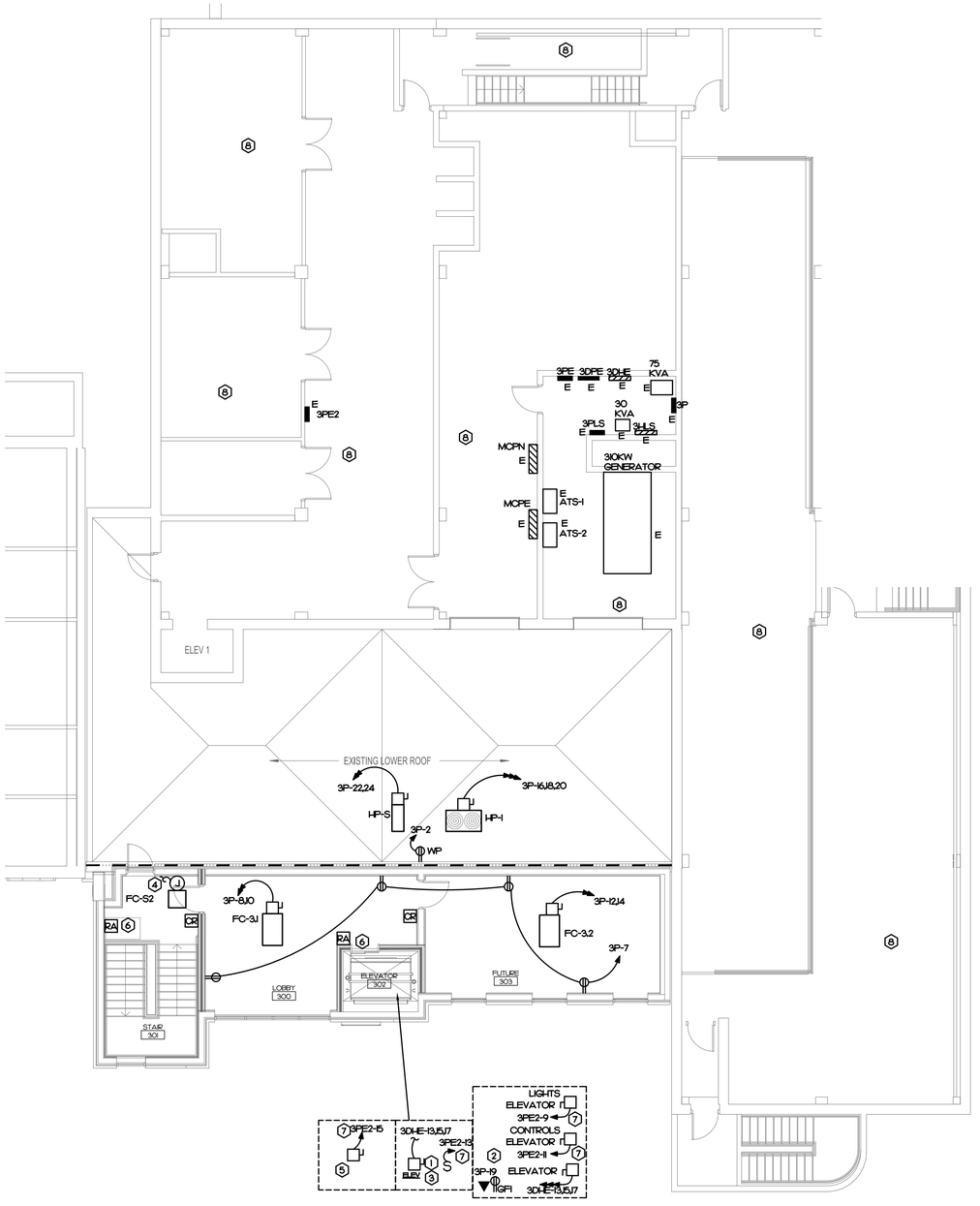
Copyright © 2020 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

1. DISCONNECT LOCATED IN TOP OF ELEVATOR HOIST SPACE.
   - CONNECT VIA DISCONNECT IN TOP LANDING CONTROL SPACE
   - SEE ELEVATOR SUBMITTALS FOR COORDINATION PRIOR TO ROUGH IN.
   - PROVIDE LIGHT FIXTURE 'P' FOR LIGHTING IN TOP OF HOIST WAY.
   - PROVIDE WITH AUXILIARY DRY CONTACT FOR ELEVATOR AUTO EVACUATION.
2. VERIFY ELEVATOR CONTROLLER LOCATION AT TOP LANDING WITH ELEVATOR SHOP DRAWINGS. PROVIDE FUSED DISCONNECT WITH CURRENT LIMITING FUSES. ENSURE POWER DISCONNECT IS READILY ACCESSIBLE.
3. FIELD VERIFY ELEVATOR MOTOR DATA PRIOR TO PURCHASING ANY ELECTRICAL EQUIPMENT.
4. POWERED BY OUTDOOR UNIT HP-S.
5. 120V 20AMP SINGLE PHASE FUSED DISCONNECT TO BE MOUNTED IN HOISTWAY BY PRIMARY EQUIPMENT BOX. FIELD COORDINATE WITH ELEVATOR MANUFACTURER.
6. SEE IA/E4.2 FOR DETAILS. LOCATION OF REMOTE CALL PANEL FOR AREA OF RESCUE ASSISTANCE TO BE APPROVED BY FIRE MARSHAL PRIOR TO ROUGH-IN.
7. CONNECT TO PANEL 3PE2. PROVIDE 1 POLE 20 AMP BREAKERS IN PANEL AS REQUIRED.
8. NO WORK THIS AREA.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.
2. ALL EXPOSED CONDUIT, MISC. WIRES, CAMERAS ARE TO IF ABANDONED ARE TO BE REMOVED. IF IN USE THEY ARE TO BE CONCEALED WITH NEAT WORKMANSHIP.



1 E2.4 ELECTRICAL PLAN THIRD FLOOR

SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WILLIAMS

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E2.4
Checked By: DW	

Sheet Title: ELECTRICAL PLAN THIRD FLOOR

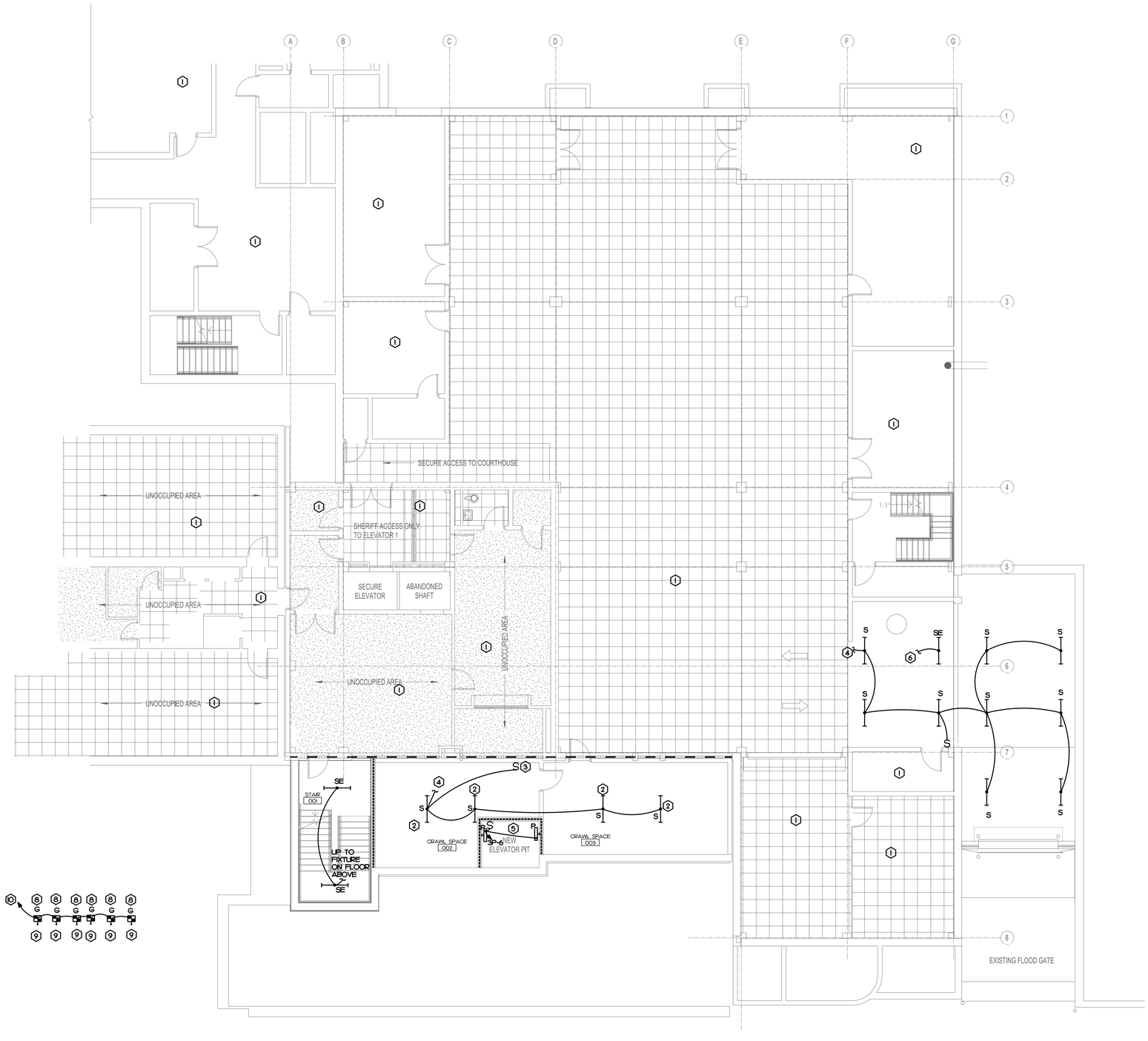
Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

1. NO WORK THIS AREA.
2. STRIP LIGHT LOCATED IN NEW CRAWL SPACE. FIELD COORDINATE.
3. FIELD COORDINATE LOCATION IN CRAWLSPACE.
4. CONNECT TO EXISTING BASEMENT LIGHTING CIRCUIT.
5. ELEVATOR PIT NOTES:
   - LOCATE SWITCH FOR PIT LIGHTS ADJACENT TO PIT ACCESS LADDER.
   - MOUNT PIT LIGHT 18" ABOVE PIT FLOOR.
6. CONNECT TO EXISTING BASEMENT EMERGENCY LIGHTING.
7. NOT USED.
8. E.C. TO PROVIDE CONCRETE BASE WITH CONDUIT STUB UP TO EXTERIOR FLOOD LIGHT.
9. FIELD COORDINATE EXACT LOCATION OF GROUND MOUNTED FLOODLIGHT WITH FLAGPOLES. COORDINATE WITH ARCHITECT.
10. CONNECT TO EXISTING FLOOD LIGHT CIRCUIT AT THE FRONT OF THE BUILDING.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.



1 E3.1 LIGHTING PLAN GROUND FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITING

NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

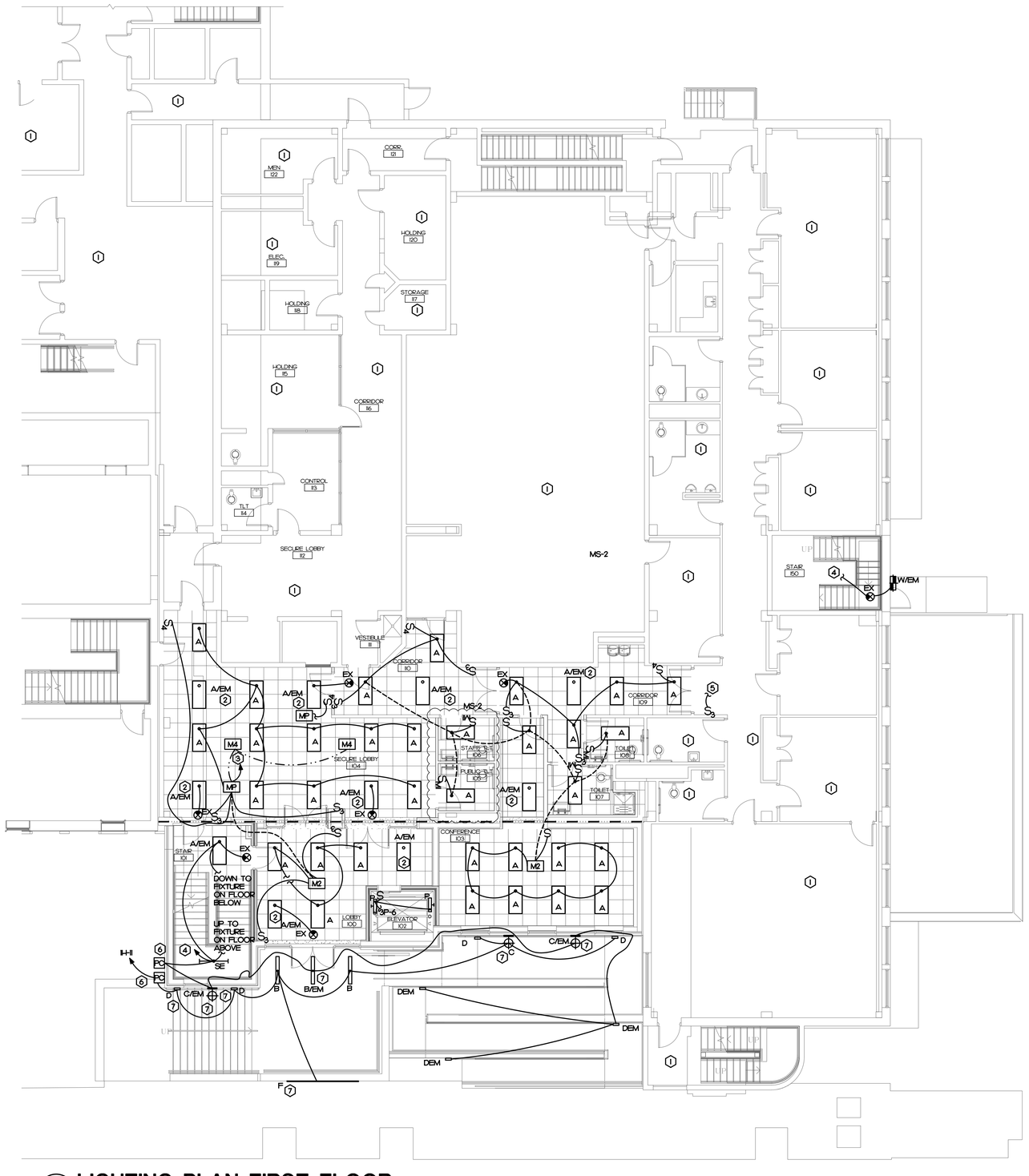
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E3.1
Checked By: DW	

Sheet Title: LIGHTING PLAN GROUND FLOOR

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



KEY NOTES

1. NO WORK THIS AREA.
2. LIGHT FIXTURE TO BE USED AS EMERGENCY LIGHT AND NIGHT LIGHT. CONNECT UNSWITCHED TO THE EXISTING EMERGENCY LIGHTING CIRCUIT IN THIS AREA.
3. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA.
4. CONNECT TO THE EXISTING STAIRWELL EMERGENCY LIGHTING CIRCUIT.
5. PROVIDE NEW 3 WAY SWITCH. CONNECT TO EXISTING HALL WAY LIGHTS.
6. FIELD COORDINATE EXACT LOCATION.
7. CONNECT NORMAL CIRCUIT THROUGH PHOTOCELL.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.

1 / E3.2 **LIGHTING PLAN FIRST FLOOR**
SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

ATLANTEC ENGINEERS PA No. C-861 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No.: 3E3.2
Checked By: DW	

Sheet Title: LIGHTING PLAN FIRST FLOOR

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

1. NO WORK THIS AREA.
2. LIGHT FIXTURE TO BE USED AS EMERGENCY LIGHT AND NIGHT LIGHT. CONNECT UNSWITCHED TO THE EXISTING EMERGENCY LIGHTING CIRCUIT IN THIS AREA.
3. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.



1 LIGHTING PLAN SECOND FLOOR

E3.3 SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY
7/21/23

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

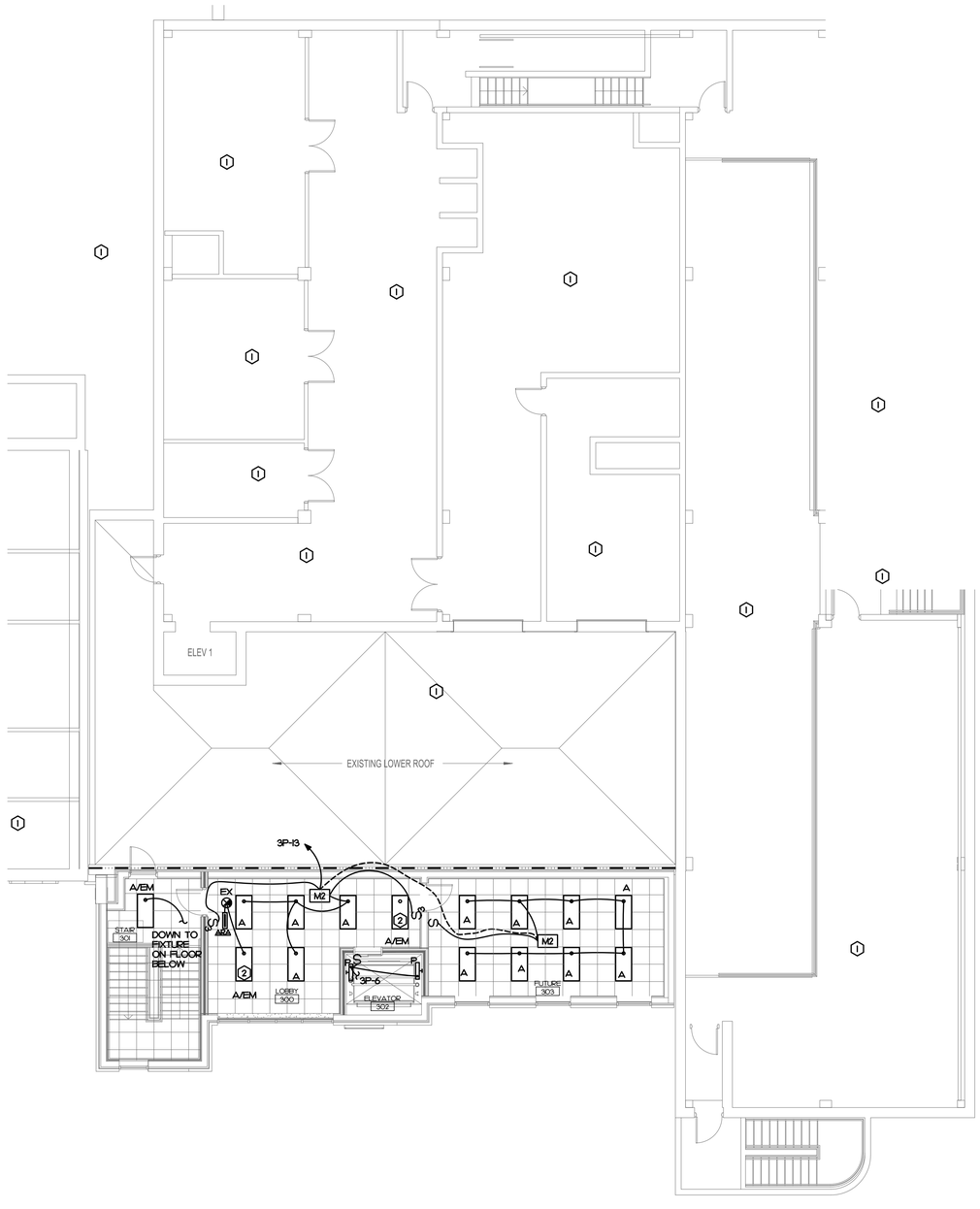
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No.: 3E3.3
Checked By: DW	

Sheet Title: LIGHTING PLAN SECOND FLOOR



KEY NOTES

1. NO WORK THIS AREA.
2. LIGHT FIXTURE TO BE USED AS EMERGENCY LIGHT AND NIGHT LIGHT. CONNECT UNSWITCHED TO THE EXISTING EMERGENCY LIGHTING CIRCUIT IN THIS AREA.
3. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THIS AREA.

NOTES:

1. E.C. TO PROVIDE EXPANSION JOINTS AT ALL CONDUITS WHICH CROSS EXPANSION JOINTS AS REQUIRED.

1 / E3.4 LIGHTING PLAN THIRD FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY
7/7/23

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

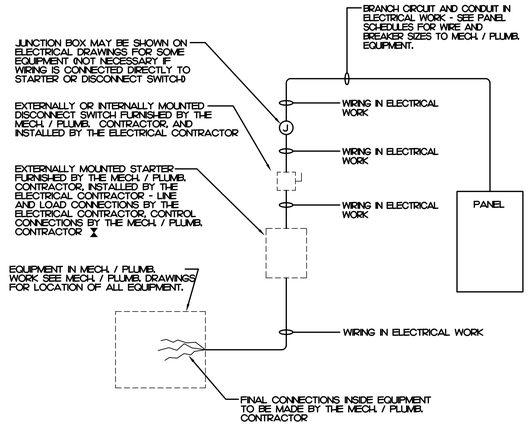
Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E3.4
Checked By: DW	

Sheet Title: LIGHTING PLAN THIRD FLOOR

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES
A	2x4 LED FLAT PANEL FIXTURE RECESSED MOUNTED 3500 LUMEN	ELITE LIGHTING: 24-FPLH-LED-3500L-DIMIO-MVOLT-35K -85	3000 LUMEN LED, 3500K 0-10V ELECTRONIC DIMMING DRIVER 30 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
A/EM	2x4 LED FLAT PANEL FIXTURE RECESSED MOUNTED 3500 LUMEN CONNECT TO EMERGENCY LIGHTING CIRCUIT.	ELITE LIGHTING: 24-FPLH-LED-3500L-DIMIO-MVOLT-35K -85-0-LED	3000 LUMEN LED, 3500K 0-10V ELECTRONIC DIMMING DRIVER 30 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
ARA	AREA OF RESCUE ASSISTANCE LIGHT 1 SIDE RED LETTER	ESW: SKU-ESW-TP-AORA-1	1 WATTS, 120/277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
B	4 FT. LED LINEAR LIGHT RECESSED MOUNTED 825 LUMENS, DAMP LOCATION LISTED,	ALCON: 12100-40-RF-D-D6-40K	825 LUMEN LED, 4000K ELECTRONIC DRIVER 27 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
B/EM	4 FT. LED LINEAR LIGHT RECESSED MOUNTED 825 LUMENS, DAMP LOCATION LISTED, CONNECT TO EMERGENCY LIGHTING CIRCUIT.	ALCON: 12100-40-RF-D-D6-40K	825 LUMEN LED, 4000K ELECTRONIC DRIVER 27 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
C	CYLINDER UP/DOWN WALL SCONCE WALL MOUNTED, WET LOCATION LISTED 3000 LUMEN	ALCON LIGHTING: 11219-2D-L3000-B20-UNV-30K	3000 LUMEN LED, 3000K ELECTRONIC DRIVER 37.2 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
C/EM	CYLINDER UP/DOWN WALL SCONCE WALL MOUNTED, WET LOCATION LISTED 3000 LUMEN CONNECT TO EMERGENCY LIGHTING CIRCUIT.	ALCON LIGHTING: 11219-2D-L3000-B20-UNV-30K	3000 LUMEN LED, 3000K ELECTRONIC DRIVER 37.2 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
D	STEP LIGHT 1200 LUMEN	ALCON LIGHTING: 9608-12OL-3000K	1200 LUMEN LED, 3000K ELECTRONIC DRIVER 12 WATTS, 120V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
D/EM	STEP LIGHT 1200 LUMEN CONNECT TO EMERGENCY LIGHTING CIRCUIT.	ALCON LIGHTING: 9608-12OL-3000K	1200 LUMEN LED, 3000K ELECTRONIC DRIVER 12 WATTS, 120V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
F	SIGN LIGHT 5900 LUMEN WET LOCATION	ALCON LIGHTING: 30129-8-48-9-30K	5900 LUMEN LED, 3000K ELECTRONIC DRIVER 48 WATTS, 120V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
G	EXTERIOR FLOOD LIGHT 5753 LUMEN PHOTOCELL, WET LOCATION LISTED. GROUND MOUNTED	RAB LIGHTING: FFLED-39-/DIO/PC	5753 LUMEN LED, 5000K 0-10V ELECTRONIC DIMMING DRIVER 42 WATTS, 120-277V	CONFIRM WITH ARCHITECT/OWNER PRIOR TO ORDERING. SWIVEL ARM MOUNTING. CONTRACTOR TO SUPPLY CONCRETE BASE AND CONDUIT STUB UP.
P	ELEVATOR PIT LIGHT	LITHONIA: DMW-L-24-3000LM-ACL-WD-MVOLT -GZ20-35K-80CRI	3000 LUMEN 3500K LED ELECTRONIC DRIVER 27 WATTS - 30 VA, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
S	4 FT. LED STRIP LIGHT SURFACE/PENDANT MOUNTED 2300 LUMEN	LITHONIA: MNSL-L46-ILL-MVOLT-GZN-40K-80CRI -M6	2500 LUMEN LED, 4000K ELECTRONIC DRIVER 25 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
SE	4 FT. LED STRIP LIGHT SURFACE/PENDANT MOUNTED 2300 LUMEN CONNECT TO EMERGENCY LIGHTING CIRCUIT.	LITHONIA: MNSL-L46-ILL-MVOLT-GZN-40K-80CRI -M6	2500 LUMEN LED, 4000K ELECTRONIC DRIVER 25 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
W/EM	EXTERIOR WALL MOUNTED CUT-OFF 1500 LUMEN, PHOTOCELL LISTED FOR WET LOCATION AND OTF WITH EMERGENCY BATTERY BACKUP	LITHONIA: WST-LED-P1-40K-VW-MVOLT-PE	1500 LUMEN LED, 4000K ELECTRONIC DRIVER 11 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.
EX	EXIT LIGHT 1 SIDE RED LETTER	LITHONIA: EXR-LED-M6	LED FOR EXIT PANEL 1 WATTS, 120/277V	CONFIRM WITH ARCHITECT PRIOR TO ORDERING.



NOTES:

1. ⧗ A COMBINATION STARTER MAY BE USED IN LIEU OF A A SEPARATE DISCONNECT SWITCH AND STARTER
2. E.C. SHALL FURNISH ALL REQUIRED FUSES.

WIRING TO MECHANICAL AND PLUMBING EQUIPMENT

NOT TO SCALE

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
E	FLOOD LIGHT FIXTURE - LETTER DESIGNATES TYPE LIGHT FOR SIGN	SEE FIXTURE SCHED. SEE FIXTURE SCHED.
E	STEP LIGHTING- LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
	EXISTING LIGHT TO BE REMAIN	
E	2 X 4 FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
E	LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
	EXIT LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHED.
PC	PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA BALLAST LOAD 1000W TUNGSTEN LOAD, 8A LED LOAD (UP TO 2220W @277V)	TORK: ZSS24
E	WALL MOUNT LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
E	EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
	SPECIAL SIGN - CONNECT UNSWITCHED	SEE FIXTURE SCHED.
S	SINGLE POLE TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.	HUBBELL 122-## WITH SSI COVER PLATE
S_3	THREE WAY TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.	HUBBELL 1223-## WITH SSI COVER PLATE
S_4	THREE WAY TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.	HUBBELL 1223-## WITH SSI COVER PLATE
S_{MI}	WALL MOUNTED OCCUPANCY SENSOR SWITCH, PASSIVE INFRARED MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. 800W/120VAC OR 1200W/277VAC	WATTSTOPPER PW-301-## SS26 COVER PLATE
M2	CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 800W/120VAC OR 1200W/277VAC	WATTSTOPPER DT-355
	SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.	HUBBELL HBL5362-##-TR WITH SS8 COVER PLATE
GFI	SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE MOUNT 16" A.F.F. UNLESS NOTED OTHERWISE.	HUBBELL GFTRST20-## WITH SS26 COVER PLATE
WP	SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED.	HUBBELL GFTWRST20-## WITH SS26WIS COVER PLATE
EWC	SPECIFICATION GRADE DUPLEX RECEPTACLE FOR WATER COOLER. MOUNT 24" A.F.F. FOR CONCEALMENT OF CORD. FED FROM GFCI CIRCUIT BREAKER.	HUBBELL HBL5362 WITH SS8 COVER PLATE
	SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE MOUNT 4" ABOVE COUNTER/BACKSPLASH.	HUBBELL HBL5362-##-TR WITH SS8 COVER PLATE
GFI	SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE. MOUNT 4" ABOVE COUNTER/BACKSPLASH.	HUBBELL GFTRST20-## WITH SS26 COVER PLATE
	FLUSH TO FLOOR SPECIFICATION GRADE DUPLEX RECEPTACLE. COVER TO MATCH FLOOR. CUT AND PATCH AS REQUIRED.	HUBBELL: HBL5362TR-### WITH BOX: SIFPB COVER: SIGFC-# SUBPLATE: SISPDU
	FLUSH POKE-THRU FLOOR BOX WITH QUAD OUTLET AND COMMUNICATION OUTLET. STUB 1 1/4" CONDUIT TO NEAREST ACCESSIBLE CEILING	WIREMOLD 6AT
J	JUNCTION BOX SIZED PER N.E.C.	
	NEW CONCEALED WIRING	PER N.E.C.
	LOW VOLTAGE WIRING FOR OCCUPANCY SWITCH AND POWER PACK.	PER N.E.C.
	UNSWITCHED LIGHTING CONDUCTOR	PER N.E.C.
	HOME RUN TO PANEL BOARD NUMBERS OF ARROW INDICATE CIRCUITS	PER N.E.C.
E	120/208V 3Ø, 4W PANEL BOARD - SEE PANEL SCHEDULES	EXISTING
	DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE	SQUARE D HEAVY DUTY
E	277/480V 3Ø, 4W PANEL BOARD - SEE PANEL SCHEDULES	EXISTING
E CR	EXISTING CARD READER TO REMAIN.	
TV	TV OUTLET - MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET, COVER PLATE AND WIRING BY OTHERS.	SINGLE GANG BOX HUBBELL NPJ13 COVER PLATE
▼	COMMUNICATION OUTLET - MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET, COVER PLATE AND WIRING BY OTHERS.	SINGLE GANG BOX HUBBELL NPJ13 COVER PLATE
TCBB	COMMUNICATION BACKBOARD: 24" x 24" x 3/4" THICK FIREPROOFED PLYBOARD MOUNTED TO WALL PROVIDE GROUND BAR AND CONNECT 1#6 AWG GROUND IN 1/2" C. TO PANEL.	
CR	FUTURE CARD READER, SINGLE GANG BOX MOUNTED 42" AFF. STUB 3/4" CONDUIT TO ABOVE CEILING.	
	CEILING PANEL CABINET FAN. FURNISHED AND INSTALLED BY M.C., WIRED BY E.C.	SEE MECH. PLAN.
	UTILITY METER BASE	
	EXISTING LIGHT TO BE REMOVED	
	EXISTING LIGHT TO BE REMOVED	
	EXISTING LIGHT TO BE REMOVED	
	EXISTING CAN LIGHT TO BE REMOVED	
	EXISTING WALL MOUNT LIGHT TO BE REMOVED	
	EXISTING LIGHT TO BE REMOVED	
	EXISTING EXIT LIGHT TO BE REMOVED	
SR	EXISTING LIGHT SWITCH TO BE REMOVED	
M2	EXISTING OCCUPANCY SENSOR TO BE REMOVED	
	EXISTING RECEPTACLE TO BE REMOVED	
	EXISTING DISCONNECT TO BE REMOVED	
PA	2-WAY COMMUNICATION SYSTEM REMOTE STATION	
MA	2-WAY COMMUNICATION SYSTEM MASTER STATION	
ARA	2-WAY COMMUNICATION SYSTEM RELAY DEVICES AND BATTERY CABINET	
CR	CARD READER PROVIDED BY OTHERS. COORDINATE REQUIREMENTS WITH EXISTING SYSTEM. PROVIDE SINGLE GANG BOX WITH 1/2" CONDUIT UP TO NEAREST ACCESSIBLE CEILING. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE.	
E	EXISTING	

GENERAL NOTES

1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
4. ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
7. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED.
8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. SEE DETAILS FOR CONNECTION TO EQUIPMENT PROVIDED BY MECHANICAL AND PLUMBING CONTRACTORS
9. PENETRATION:
   - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
   - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
10. ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS AFFECTED BY HIS WORK.
13. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
14. THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
15. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER TH-HW/TH-HWN WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THWN-2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATIONS.
16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG.
17. ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE ACCEPTABLE WIRING METHODS SUBJECTED TO THE FOLLOWING RESTRICTIONS:
   - SEE NEC 320 AND 330 FOR RESTRICTION.
   - PENETRATIONS OF RATED WALLS SHALL BE IN ACCORDANCE WITH APPROVED UL PENETRATION METHODS.
   - CABLE SHALL NOT BE USED FOR HOME RUN TO PANEL BOARD.
   - CABLE SHALL ONLY BE INSTALLED IN CONCEALED SPACE AND FURRED AREAS. MAX. LENGTH OF EACH SECTION IN ACCESSIBLE CONCEALED CEILING SPACES SHALL NOT EXCEED 10 FT.
   - WHERE REQUIRED BY NEC 517.13, CABLE SHALL BE LISTED FOR THE USE.
18. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
19. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
20. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
21. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.
22. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL. WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
23. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A117.1 SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.
24. ALL ELECTRICAL COMPONENTS REQUIRE SEISMIC ANCHORAGE (PER ASCE7) UNLESS ALL THE FOLLOWING ARE MET:
   - THE COMPONENT IMPORTANCE FACTOR IS 1.0
   - THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE
   - FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT, AND EITHER
     - THE COMPONENT WEIGHTS 400 LB (1780 N) OR LESS AND HAS A CENTER OF MASS LOCATED 4' (1.22 M) OR LESS ABOVE THE ADJACENT FLOOR LEVEL.
     - THE COMPONENT WEIGHS 20 LB (89 N) OR LESS OR ", IN THE CASE OF A DISTRIBUTED SYSTEM, 5LB/FT (73 N/m) OR LESS.
25. PROVIDE LABELS ON ALL NEW DEVICES INDICATING THE CIRCUIT AND PANEL FEEDING THE DEVICE.
26. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE ELECTRICAL DEMOLITION NOTED OR IMPLIED ON THESE PLANS.
27. EXTEND/REWORK EXISTING BRANCH CIRCUITS AND FEEDERS TO EXISTING EQUIPMENT TO REMAIN THAT IS AFFECTED BY THE DEMOLITION AS REQUIRED.
28. ALL ABANDONED AND UNUSED CABLES IN HOLLOW SPACES, VERTICAL SHAFTS, AND VENTILATION OR AIR-HANDLING DUCTS SHALL BE REMOVED PER NEC 725.25, 760.25, 770.25, 800.25, 820.25 AND 830.25.

2018 NORTH CAROLINA ENERGY CODE

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE: PRESCRIPTIVE

	LIGHTING SCHEDULE:			
	FLUORESCENT T8/T5	LED	CFL	INCAN
LAMP TYPE REQUIRED:				
NUMBER OF LAMPS:	N/A	SEE	N/A	N/A
BALLAST TYPE USED:	N/A	FIXTURE	N/A	N/A
NUMBER OF BALLASTS:	N/A	SCHEDULE	N/A	N/A
TOTAL WATTAGE PER FIXTURE:	N/A		N/A	N/A

	SPECIFIED	ALLOWED BY CODE
INTERIOR WATTAGE		
COURTHOUSE	3150	6709
EXTERIOR WATTAGE	ZONE 3	
	750	150

NOTES:

1. ALL EXTERIOR LIGHTS:
   - CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.

SIGNED: _____
NAME: DAVID J. WHITNEY, P.E.
TITLE: ENGINEER

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID J. WHITNEY

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

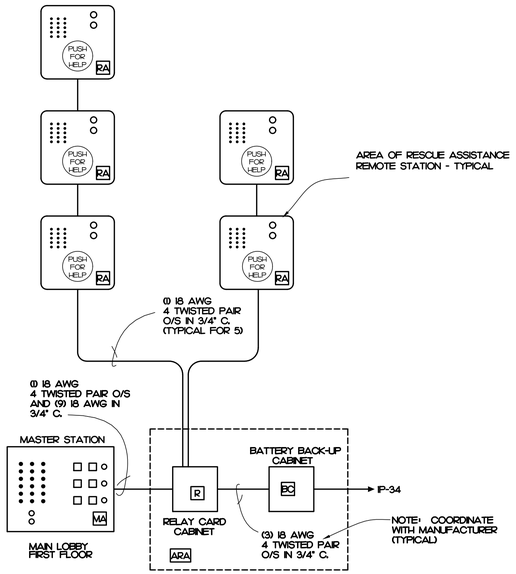
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
1	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E4.1
Checked By: DW	

Sheet Title: LEGEND, NOTES, AND DETAILS

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



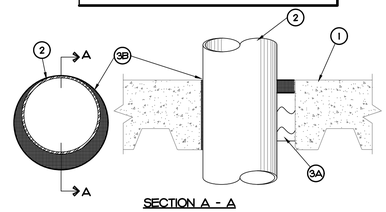
NOTES:

1. SEE FLOOR PLANS FOR QUANTITY AND LOCATION OF ALL EQUIPMENT.
2. ALL WIRING SHALL BE PER MANUFACTURERS SPECIFICATIONS.
3. THE SYSEM SHALL COMPLY WITH SECTIONS 4.31.4 AND 4.31.5 OF THE AMERICANS WITH DISABILITIES ACT.
4. ALL WIRING SHALL BE IN CONDUIT.
5. 2-WAY COMMUNICATION SYSTEM SHALL BE UL LISTED FOR USE AS AN AREA OF RESCUE ASSISTANCE SYSTEM.
6. 2-WAY COMMUNICATION SYSTEM INSTALLATION SHALL BE BY A LICENSED CONTRACTOR.
7. SYSTEM WIRING SHALL BE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AS ESTABLISHED BY EIA AND NEC. WIRING SHALL MEET ALL ESTABLISHED STATE AND LOCAL ELECTRICAL CODES. ALL WIRING SHALL TEST FREE FROM SHORTS AND GROUNDED AS SPECIFIED.
8. MASTER STATION AND AREA STATION MOUNTING SHALL BE IN ACCORDANCE WITH ADA RECOMMENDATIONS AND SPECIFICATIONS.
9. AN ILLUMINATED SIGN DESIGNATED AREA RESCUE STATION SHALL BE INSTALLED AT ABOVE EACH LOCATION WITH MASTER OR REMOTE STATION AS SHOWN IN THE DRAWINGS.
10. MANUFACTURER CONTACT INFORMATION:
    HOUSING DEVICES, INC.
    407 R. MYSTIC AVE., MEDFORD, MA 02155
    TEL. (800) 392-5200
11. THE SYSTEM SHALL BE AN "ADA-100-ECS" BY HOUSING DEVICES, INC.
12. ALL PARTS AND ACCESSORIES SHALL BE MANUFACTURED OR SPECIFIED BY HOUSING DEVICES, INC. TO BE USED WITH "ADA-100-ECS" SYSTEM. EQUIVALENT SYSTEMS ARE ACCEPTABLE.

(1) 2 WAY COMMUNICATION SYSTEM

NTS

SYSTEM NO. FA1008
F RATING - 3 HR
T RATING - 0 HR

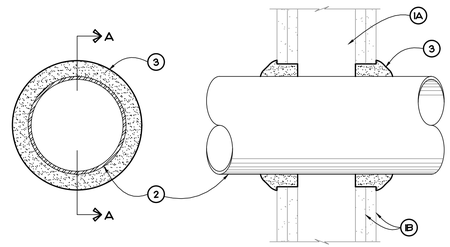


SECTION A - A

1. FLOOR ASSEMBLY: THE FIRE-RATED UNPROTECTED CONCRETE AND STEEL FLOOR ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL D900 SERIES DESIGNS INTHE UL FIRE RESISTANCE DIRECTORY AND AS SUMMARIZED BELOW:
   A. NORMAL WEIGHT OR LIGHTWEIGHT CONCRETE MIN 3-1/2 IN. THICKNESS OF NORMAL WEIGHT CONCRETE WITH CARBONATE OR SILICEOUS AGGREGATE, 145 TO 155 PCF UNIT WEIGHT, MIN 3000 PSI COMPRESSIVE STRENGTH. MIN 3-1/2 IN. THICKNESS OF LIGHTWEIGHT CONCRETE WITH EXPANDED SHALE, CLAY OR SLATE AGGREGATE, 105 TO 115 PCF UNIT WEIGHT, MIN 3000 PSI COMPRESSIVE STRENGTH.
   B. WELDED WIRE FABRIC 6 X 6 - W1.4XW1.4.
   C. STEEL FLOOR AND FORM UNITS* COMPOSITE OR NONCOMPOSITE 2 IN. DEEP FLUTED GALV UNITS AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF OPENING CORED-DRILLED THROUGH FLOOR ASSEMBLY IS 10-1/2 IN.
2. THROUGH PENETRANTS: ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE NOM 8 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. TO MAX 1-5/8 IN.
   B. IRON PIPE NOM 8 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. TO MAX 1-5/8 IN.
   C. CONDUIT NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. TO MAX 1-5/8 IN.
   D. COPPER TUBING NOM 4 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. TO MAX 1-5/8 IN.
   E. COPPER PIPE NOM 4 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. THE ANNULAR SPACE SHALL BE MIN 1/4 IN. TO MAX 1-5/8 IN.
3. FIRESTOP SYSTEM: THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. PACKING MATERIAL MIN 4 IN. THICKNESS OF MIN 4.0 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
   B. FILL, VOID OR CAVITY MATERIAL* - CAULK MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR.
      TREMCO INC - TREMSTOP ACRYLIC

*BEARING THE UL CLASSIFICATION MARKING

SYSTEM NO. W.I.1001
F RATINGS - 1, 2, 3, AND 4 HOUR (SEE ITEMS 2 AND 3)
T RATINGS - 0, 1, 2, 3 AND 4 HOUR (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A - A

(1) WALL ASSEMBLY - THE 1, 2, 3 OR 4 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAXIMUM 2 HOUR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER SPACED 16" ON CENTER WITH NOMINAL 2" x 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MINIMUM 3 5/8" WIDE x 1 3/8" DEEP CHANNELS SPACED MAXIMUM 24" ON CENTER.
   B. GYPSUM BOARD* - NOMINAL 1/2" OR 5/8" THICK, 4' WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAXIMUM DIAMETER OF OPENING IS 26".

(2) THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MINIMUM OF 0" (POINT CONTACT) TO MAXIMUM 2" PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE - NOMINAL 24" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE - NOMINAL 24" DIAMETER (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOMINAL 12" DIAMETER (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
   C. CONDUIT - NOMINAL 6" DIAMETER (OR SMALLER) STEEL CONDUIT OR NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
   D. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
      1. NOMINAL 2" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
         OMEGA FLEX INC
      2. NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
         TITEFLEX CORP
         A BUNDY CO
      3. NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
         WARD MFG INC

(3) FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MINIMUM 5/8", 1 1/4", 1 7/8" AND 2 1/2" THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HOUR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MINIMUM 1/4" DIAMETER BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAXIMUM PIPE OR CONDUIT DIAMETER INCHES	F RATING HOUR	T RATING HOUR
1	1 OR 2	0*, 1 OR 2
1	3 OR 4	3 OR 4
4	1 OR 2	0
6	3 OR 4	0
12	1 OR 2	0

*WHEN COPPER PIPE IS USED, T RATING IS 0 HOUR.
3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.
*BEARING THE UL CLASSIFICATION MARKING

Copyright © 2020 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITING
NORTH CAROLINA ATLANTEC ENGINEERS PA No. C-961 PROFESSIONAL CORPORATION

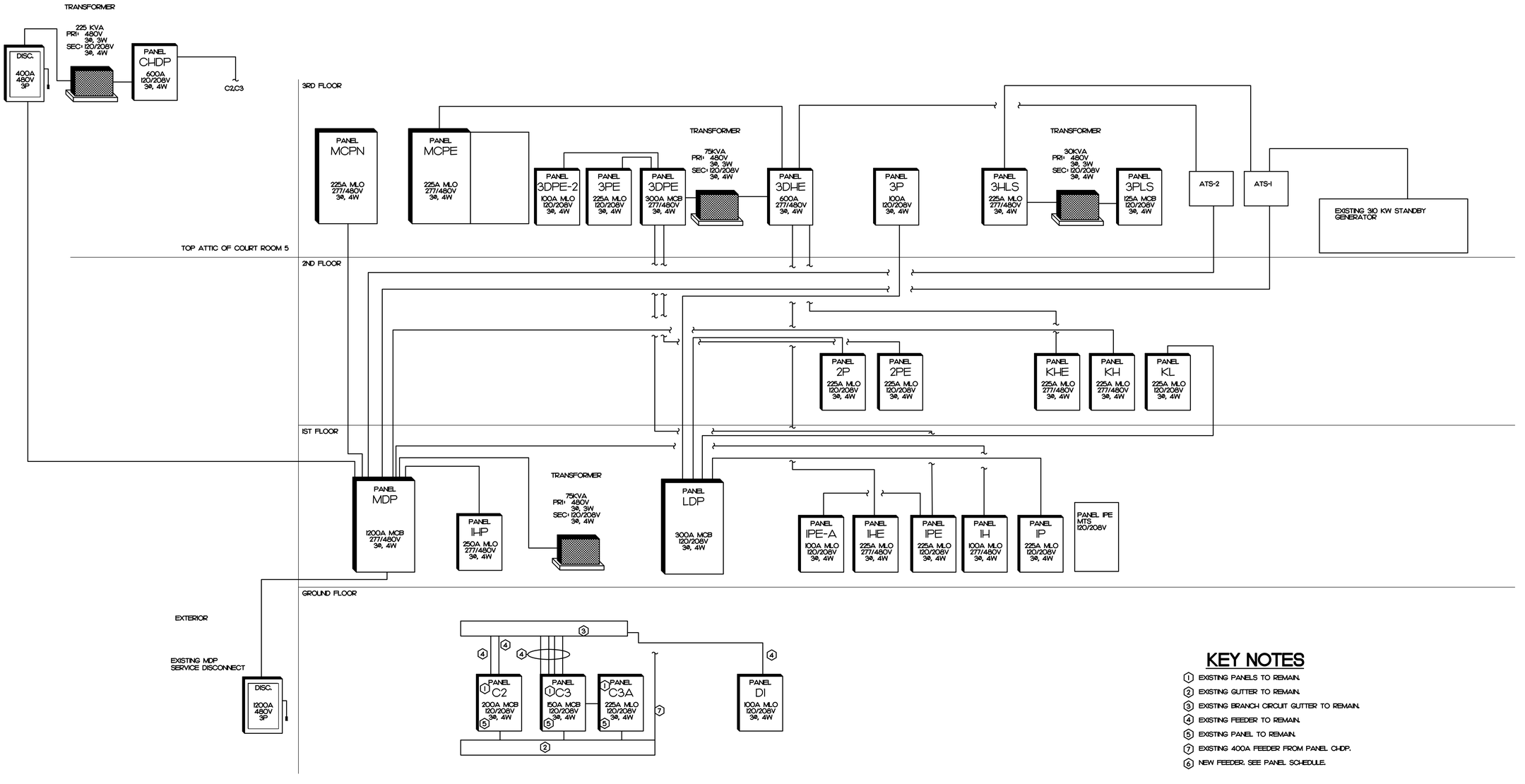
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E4.2
Checked By: DW	

Sheet Title: DETAILS AND NOTES

EXISTING POWER RISER



KEY NOTES

1. EXISTING PANELS TO REMAIN.
2. EXISTING GUTTER TO REMAIN.
3. EXISTING BRANCH CIRCUIT GUTTER TO REMAIN.
4. EXISTING FEEDER TO REMAIN.
5. EXISTING PANEL TO REMAIN.
7. EXISTING 400A FEEDER FROM PANEL CHDP.
6. NEW FEEDER. SEE PANEL SCHEDULE.

NOTES:

1. POWER RISER IS EXISTING UNLESS OTHERWISE NOTED.
2. ALL PANELS AND FEEDERS ARE EXISTING TO REMAIN.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 151
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID WHITNEY

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3E4.3
Checked By: DW	

Sheet Title: POWER RISER

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

PANEL C2

120/208V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	SPARE	0.0	E	E	E	30	1
3		0.0			E	3P	3
5		0.0			E		5
7	2ND FLOOR PANEL	12.0	E	E	E	100	7
9		12.0			E	3P	9
11		12.0			E		11
13	SPARE	0.0	E	E	E	30	13
15		0.0			E	3P	15
17		0.0			E		17
19		0.0	E	E	E		19
21		0.0					21
23		0.0					23
25		0.0					25
27		0.0					27
29		0.0					29
31		0.0					31
33		0.0					33
35		0.0					35
37		0.0					37
39		0.0					39
41		0.0					41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	1.0	CASHIER OFFICE	2
4	2P	E			1.0		4
6					0.0	SPACE ONLY	6
8	100	E	E	E	2.0	EXIST	8
10	3P	E			0.0		10
12		E			0.0		12
14	100	E	E	E	7.1	PANEL 2H	14
16	3P	E			6.7		16
18		E			6.7		18
20					0.0		20
22					0.0		22
24					0.0		24
26					0.0		26
28					0.0		28
30					0.0		30
32					0.0		32
34					0.0		34
36					0.0		36
38					0.0		38
40					0.0		40
42					0.0		42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	0.00	125%	0.00
RECEPTACLE	2.36	1000/500%	2.36
MTRS/COILS	10.12	100%	10.12
HEATS	10.00	100%	10.00
WATER HEATER	0.00	100%	0.00
EQUIPMENT	36.00	100%	36.00
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			58.48

200 A MINIMUM BUS SIZE
200 A MAIN CIRCUIT BREAKER
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 1 ENCLOSURE
GROUND BAR

NOTES
1. NEW SQUARE D NQ.
'E' INDICATES EXISTING CIRCUITS FROM BASEMENT SPLICE.
2. EXTEND EXISTING CIRCUITS TO THE BASEMENT. MATCH EXISTING WIRE SIZE.

CONNECTED LOADS	
PHASE A:	20.1 KVA
PHASE B:	19.7 KVA
PHASE C:	18.7 KVA
TOTAL:	59.5 KVA
DEMAND	162 AMP

PANEL C3

120/208V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	REC CHILD SUPPORT	0.5	E	E	E	20	1
3	LTS CIVIL SMALL CLAIMS	1.5	E	E	E	20	3
5	REC CIVIL SMALL CLAIMS	0.5	E	E	E	30	5
7	REC CIVIL SMALL CLAIMS	0.5	E	E	E	30	7
9	CASHIER BOOKKEEPING	0.5	E	E	E	20	9
11	EXIST	0.5	E	E	E	20	11
13	EXIST	0.5	E	E	E	20	13
15	EXIST	0.5	E	E	E	20	15
17	EXIST	0.5	E	E	E	20	17
19	EXIST	0.5	E	E	E	20	19
21	SPACE ONLY	0.0					21
23	EXIST	0.5	E	E	E	20	23
25	TELE	0.5	E	E	E	20	25
27	REC CIVILD CHILD SUPPORT	0.5	E	E	E	20	27
29	EXIST	0.5	E	E	E	20	29
31	REC CASHIER OFF	0.0	E	E	E	20	31
33	C3A	6.0	E	E	E	100	33
35		6.0	E	E	E	3P	35
37		6.0	E	E	E		37
39	REC CIVIL SMALL CLAIMS	0.5	E	E	E	20	39
41	SPACE ONLY	0.0					41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	0.5	REC CIVIL SMALL CLAIMS	2
4	20	E	E	E	1.0	EXIST LTS BASEMENT	4
6	20	E	E	E	1.5	LTS CIVIL SMALL CLAIMS	6
8	20	E	E	E	0.5	EXIST	8
10	20	E	E	E	1.5	LTS HALL BASEMENT	10
12	20	E	E	E	1.0	MAIN HALL PRINT	12
14	20	E	E	E	1.0	REC KITCHEN	14
16	20	E	E	E	0.5	BOOKEEPING	16
18	20	E	E	E	1.0	MAIN HALL PRINT	18
20	20	E	E	E	0.5	ESTATES CONTER	20
22	20	E	E	E	1.5	LTS CHILD SUPPORT	22
24	20	E	E	E	1.0	COPIER	24
26	20	E	E	E	0.5	EXIST	26
28	20	E	E	E	1.0	ICEMAKER/FRIDGE BREAK	28
30	20	E	E	E	0.5	GFCI	30
32	20	E	E	E	0.5	EXIST	32
34	20	E	E	E	1.5	VH BREAK RM	34
36	20	E	E	E	1.0	POWER STRIP BREAK	36
38	20	E	E	E	0.5	CHILD SUPPORT	38
40					0.0	SPACE ONLY	40
42	20	E	E	E	0.5	EXIST	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	7.00	125%	8.75
RECEPTACLE	19.50	1000/500%	14.75
MTRS/COILS	0.00	100%	0.00
HEATS	0.00	125%	0.00
WATER HEATER	4.50	125%	5.63
EQUIPMENT	13.50	100%	13.50
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			42.63

200 A MINIMUM BUS SIZE
150 A MAIN CIRCUIT BREAKER
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 3R ENCLOSURE
GROUND BAR

NOTES
1. NEW SQUARE D NQ.
'E' INDICATES EXISTING CIRCUITS
2.

CONNECTED LOADS	
PHASE A:	13 KVA
PHASE B:	16.5 KVA
PHASE C:	15 KVA
TOTAL:	44.5 KVA
DEMAND	118 AMP

PANEL C3A

120/208V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	WAGS OFF HAND DRY	0.5	E	E	E	15	1
3	EXIST	0.5	E	E	E	20	3
5	EXIST	0.5	E	E	E	20	5
7	EXIST	0.5	E	E	E	20	7
9	COPIER	0.5	E	E	E	20	9
11	EXIST	0.5	E	E	E	20	11
13	OFF END	0.5	E	E	E	20	13
15	EXIST	0.5	E	E	E	20	15
17	SPECIAL PROCEDURES	0.5	E	E	E	20	17
19	SPECIAL PROCEDURES	0.5	E	E	E	20	19
21	EXIST	0.5	E	E	E	20	21
23	EXIST	0.5	E	E	E	20	23
25	EXIST	0.5	E	E	E	20	25
27	RED (COMP)	0.5	E	E	E	20	27
29	BLOCK (SCANNER)	0.5	E	E	E	20	29
31	NA	0.0					31
33	NA	0.0					33
35	NA	0.0					35
37	NA	0.0					37
39	NA	0.0					39
41	NA	0.0					41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	0.5	EXIST	2
4	20	E	E	E	0.5	MEN HAND DRY	4
6	20	E	E	E	0.5	WOMEN HAND DRY	6
8	20	E	E	E	0.5	ESTATE DIV	8
10	20	E	E	E	0.5	ESTATE DIV	10
12	20	E	E	E	0.5	CONF ROOM	12
14	20	E	E	E	0.5	CONF ROOM	14
16	20	E	E	E	0.5	CASHIER	16
18	20	E	E	E	0.5	EXIST	18
20	20	E	E	E	0.5	EXIST	20
22	20	E	E	E	0.5	EXIST	22
24	20	E	E	E	0.5	FA BOOSTER	24
26	30	E	E	E	1.5	MEN WH	26
28	30	E	E	E	1.5	WOMEN WH	28
30	30	E	E	E	1.5	WOMEN WH	30
32					0.0	NA	32
34					0.0	NA	34
36					0.0	NA	36
38					0.0	NA	38
40					0.0	NA	40
42					0.0	NA	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	0.00	125%	0.00
RECEPTACLE	0.00	1000/500%	0.00
MTRS/COILS	0.00	100%	0.00
HEATS	0.00	100%	0.00
WATER HEATER	4.50	100%	4.50
EQUIPMENT	13.50	100%	13.50
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			18.00

100 A MINIMUM BUS SIZE
MAIN LUGS ONLY
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 1 ENCLOSURE
GROUND BAR

NOTES
1. NEW SQUARE D NQ.
'E' INDICATES EXISTING CIRCUITS FROM BASEMENT SPLICE.
2. EXTEND EXISTING CIRCUITS TO THE BASEMENT. MATCH EXISTING WIRE SIZE.

CONNECTED LOADS	
PHASE A:	6 KVA
PHASE B:	6 KVA
PHASE C:	6 KVA
TOTAL:	18 KVA
DEMAND	50 AMP

PANEL LDP

120/208V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	SPARE	0.0	E	E	E	20	1
3	ICE MACHINE	1.5	E	E	E	20	3
5		1.5			E	2P	5
7	PANEL KL	1.6		E	E	125	7
9		1.6			E	3P	9
11		1.2			E		11
13	PANEL 2P	9.5		E	E	100	13
15		8.6			E	3P	15
17		7.7			E		17
19		0.0					19
21		0.0					21
23		0.0					23
25		0.0					25
27		0.0					27
29		0.0					29
31		0.0					31
33		0.0					33
35		0.0					35
37		0.0					37
39		0.0					39
41		0.0					41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	7.1	PANEL 3P	2
4	3P	E			8.9		4
6		E			7.5		6
8	150	E	E	E	9.2	PANEL 1P	8
10	3P	E			9.2		10
12		E			9.4		12
14	2P	12			0.3	SPACE ONLY	14
16	50	8	10	3/4	4.0	HP-1	16
18	3P	8			4.0		18
20	---	---			4.0		20
22	2P	12			0.9	HP-S	22
24	2P	12			0.9		24
26	---	---			0.0	NA	26
28	---	---			0.0	NA	28
30	---	---			0.0	NA	30
32	---	---			0.0	NA	32
34	---	---			0.0	NA	34
36	---	---			0.0	NA	36
38	---	---			0.0	NA	38
40	---	---			0.0	NA	40
42	---	---			0.0	NA	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	17.44	125%	21.80
RECEPTACLE	38.54	1000/500%	21.27
MTRS/COILS	4.50	100%	4.50
HEATS	0.00	100%	0.00
WATER HEATER	1.50	100%	1.50
EQUIPMENT	28.21	100%	28.21
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			77.28

400 A MINIMUM BUS SIZE
300 A MAIN CIRCUIT BREAKER
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 1 ENCLOSURE
GROUND BAR

NOTES
1. SIEMENS S4. 'E' INDICATES EXISTING.
2.
3.
4.
5.

CONNECTED LOADS	
PHASE A:	27.3 KVA
PHASE B:	29.7 KVA
PHASE C:	27.2 KVA
TOTAL:	84.2 KVA
DEMAND	215 AMP

PANEL 1H

277/480V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	LTS RM L00,L16-A,L20,L16	3.0	E	E	E	20	1
3	LTS PARKING L19	3.0	E	E	E	20	3
5	VAV-L1 NOTE 2	2.7	1/2	12	12	15	5
7		2.7	---	---	12	3P	7
9		2.7	---	---	12		9
11	LTS EXTERIOR PC NOTE 2	0.6	1/2	12	12	20	11
13	SPARE	0.0	---	---	---	20	13
15	SPARE	0.0	---	---	---	20	15
17	SPARE	0.0	---	---	---	20	17
19	SPACE ONLY	0.0	---	---	---	20	19
21	SPACE ONLY	0.0	---	---	---	20	21
23	NA	0.0	---	---	---	20	23
25	NA	0.0	---	---	---	20	25
27	NA	0.0	---	---	---	20	27
29	NA	0.0	---	---	---	20	29
31	NA	0.0	---	---	---	20	31
33	NA	0.0	---	---	---	20	33
35	NA	0.0	---	---	---	20	35
37	NA	0.0	---	---	---	20	37
39	NA	0.0	---	---	---	20	39
41	NA	0.0	---	---	---	20	41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	3.0	LTS RM 146,150,151,147	2
4	20	E	E	E	3.0	SPARE	4
6	20	E	E	E	3.0	LTS 1ST FLOOR	6
8	20	E	E	E	3.0	LTS FIRST FLOOR	8
10	20	E	E	E	3.0	LTS FIRST FLOOR	10
12	20	E	E	E	3.0	LTS STAIR 1,2,3	12
14	25	10	10	3/4	5.0	UH-1 BASEMENT	14
16	3P	10			5.0		16
18		10			5.0		18
20	---	---			0.0	SPACE ONLY	20
22	---	---			0.0	SPACE ONLY	22
24	---	---			0.0	NA	24
26	---	---			0.0	NA	26
28	---	---			0.0	NA	28
30	---	---			0.0	NA	30
32	---	---			0.0	NA	32
34	---	---			0.0	NA	34
36	---	---			0.0	NA	36
38	---	---			0.0	NA	38
40	---	---			0.0	NA	40
42	---	---			0.0	NA	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	21.60	125%	27.00
RECEPTACLE	0.00	1000/500%	0.00
MTRS/COILS	0.00	100%	0.00
HEATS	0.00	125%	0.00
WATER HEATER	0.00	125%	0.00
EQUIPMENT	23.00	100%	23.00
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			50.00

100 A MINIMUM BUS SIZE
MAIN LUGS ONLY
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 1 ENCLOSURE
GROUND BAR

NOTES
1. WESTINGHOUSE WEHB. 'E' INDICATES EXISTING.
2. PROVIDE NEW BREAKER
3.
4.
5.

CONNECTED LOADS	
PHASE A:	16.7 KVA
PHASE B:	13.7 KVA
PHASE C:	14.3 KVA
TOTAL:	44.6 KVA
DEMAND	60 AMP

PANEL 1P

120/208V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	REC LOWER LVL	0.5	E	E	E	20	1
3	REC LOWER LVL	0.5	E	E	E	20	3
5	REC	0.5	E	E	E	20	5
7	FC-L1 NOTE 3	0.3	1/2	12	12	15	7
9		0.3			12	2P	9
11	FC-L2 NOTE 3	0.3	1/2	12	12	15	11
13		0.3			12	2P	13
15	REC EDC	0.5	E	E	E	20	15
17	REC EDC	0.5	E	E	E	20	17
19	BRADLEY VASHBAR NOTE 2	1.2	1/2	12	12	20	19
21	LTS RM 125	1.2	E	E	E	20	21
23	HOOD EX RM 137	1.0	E	E	E	20	23
25	BRADLEY VASHBAR NOTE 2	1.2	1/2	12	12	20	25
27	REC	0.5	E	E	E	20	27
29	REC	0.5	E	E	E	20	29
31	LOV VOLTAGE XFMR BATH	0.2	1/2	12	12	20	31
33	SPARE	0.0					33
35	REC KITCHENETTE	0.5	E	E	E	20	35
37	REC KITCHENETTE	0.5	E	E	E	20	37
39	BRADLEY VASHBAR NOTE 2	1.2	1/2	12	12	20	39
41	REC KITCHENETTE	0.5	E	E	E	20	41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	1.3	REC 104,112	2
4	20	E	E	E	0.5	REC RM 151	4
6	20	E	E	E	0.5	SECURITY LOBBY	6
8	20	E	E	E	0.7	REC CORR 109,110/LOBBY 100	8
10	20	E	E	E	0.7	REC TOILET 105-108	10
12	20	E	E	E	1.4	REC CONF 103	12
14	20	E	E	E	0.5	REC OFF 126	14
16	20	E	E	E	0.5	REC OFF 127	16
18	20	E	E	E	1.2	BRADLEY VASHBAR	18
20	20	E	E	E	0.5	REC HALL	20
22	20	E	E	E	1.0	BOILER B-2 369 FLR	22
24	20	E	E	E	0.2	LOUVER/DAMPER BASEMENT	24
26	20	E	E	E	0.5	REC 911	26
28	20	E	E	E	0.5	REC EAC	28
30	20	E	E	E	1.0	WATER COOLER	30
32	20	E	E	E	0.5	REC	32
34	20	E	E	E	0.2	AREA OF RESCUE	34
36	20	E	E	E	0.2	LTS NEW STAIRS	36
38	20	E	E	E	1.0	DOOR LOCK	38
40	20	E	E	E	1.0	DOOR LOCK	40
42	20	E	E	E	1.0	EVC CORR 109	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	1.71	125%	2.14
RECEPTACLE	19.94	1000/500%	14.97
MTRS/COILS	0.00	100%	0.00
HEATS	0.00	125%	0.00
WATER HEATER	0.00	125%	0.00
EQUIPMENT	6.10	100%	6.10
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			23.21

225 A MINIMUM BUS SIZE
MAIN LUGS ONLY
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 3R ENCLOSURE
GROUND BAR

NOTES
1. WESTINGHOUSE B10B. 'E' INDICATES EXISTING.
2. PROVIDE NEW GFI BREAKER
3. PROVIDE NEW BREAKER
4.
5.

CONNECTED LOADS	
PHASE A:	9.2 KVA
PHASE B:	9.2 KVA
PHASE C:	9.4 KVA
TOTAL:	27.8 KVA
DEMAND	64 AMP

PANEL 2P

120/208V, 3 PHASE, 4 WIRE

CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	LTS CELL BL D6-9, D15-18	1.0	E	E	E	20	1
3	LTS CELL BL D1-5,10-14	1.0	E	E	E	20	3
5	LTS CELL BL C6-9,15-18	1.0	E	E	E	20	5
7	LTS CELL BL C1-5,10-14	1.0	E	E	E	20	7
9	LTS CELL BL A6-9	1.0	E	E	E	20	9
11	LTS CELL BL A1-5	1.0	E	E	E	20	11
13	REC 200,203	1.3	1/2	12	12	20	13
15	LTS 236,237,250,251	1.0	E	E	E	20	15
17	LTS 215,216	1.0	E	E	E	20	17
19	HEAT COIL 19	1.0	E	E	E	20	19
21	HEAT COIL 20	1.0	E	E	E	20	21
23	REC EVC CORR 204 NOTE 2	1.0	1/2	12	12	20	23
25	LTS CELL BLDCK E	1.0	E	E	E	20	25
27	REC TOILET 205,206	0.4	1/2	12	12	20	27
29	LTS CELL BL-7	1.0	E	E	E	20	29
31	SPARE	0.0	E	E	E	20	31
33	VASHER	0.0			E	3P	33
35		0.0			E		35
37	NA	0.0					37
39	NA	0.0					39
41	NA	0.0					41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	20	E	E	E	1.0	LTS RM 210	2
4	2P	E			1.0	LTS RM 231,232	4
6	50	E	E	E	6.7	LTS RM 223,234, PIPE CHASE	6
8	2P	E			1.0	LTS RM 226	8
10	20	E	E	E	1.0	LTS 229,227 PIPE CHASE	10
12	20	12	12	1/2	0.5	NOTE 3 REC 11,207,12	12
14	20	E	E	E	0.5	REC 210,211,230	14
16	20	E	E	E	0.5	REC 233,234	16
18	20	E	E	E	0.5	REC 215	18
20	20	E	E	E	0.5	REC 235,236	20
22	20	E	E	E	0.5	REC 250,235	22
24	20	12	12	1/2	0.5	NOTE 3 REC 17,207	24
26	20	12	12	1/2	1.2	NOTE 2 BRADLEY VASHBAR	26
28	20	12	12	1/2	1.2	NOTE 2 BRADLEY VASHBAR	28
30	20	12	12	1/2	1.2	NOTE 3 LDVOLT XFMR BATH	30
32	20	E	E	E	0.0	SPARE	32
34	3P	33			0.0	WASHER	34
36		33			0.0		36
38					0.0	NA	38
40					0.0	NA	40
42					0.0	NA	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	15.00	125%	18.75
RECEPTACLE	8.52	1000/500%	8.52
MTRS/COILS	0.00	100%	0.00
HEATS	0.00	100%	0.00
WATER HEATER	0.00	100%	0.00
EQUIPMENT	8.20	100%	8.20
KITCHEN EQUIP.	0.00	65%	0.00
SPECIAL EQ.	0.00	100%	0.00
25% OF LARGEST HVAC/MOTOR			0.00
TOTAL DEMAND			29.47

225 A MINIMUM BUS SIZE
MAIN LUGS ONLY
10 K MINIMUM AIC RATING

SURFACE MOUNTING
NEMA 1 ENCLOSURE
GROUND BAR

NOTES
1. WESTINGHOUSE B10B. 'E' INDICATES EXISTING.
2. PROVIDE NEW GFI BREAKER
3. PROVIDE NEW BREAKER
4.
5.

CONNECTED LOADS	
PHASE A:	9.5 KVA
PHASE B:	8.6 KVA
PHASE C:	7.7 KVA
TOTAL:	25.7 KVA
DEMAND	68 AMP

PANEL KH

277/480V, 3 PHASE, 4 WIRE

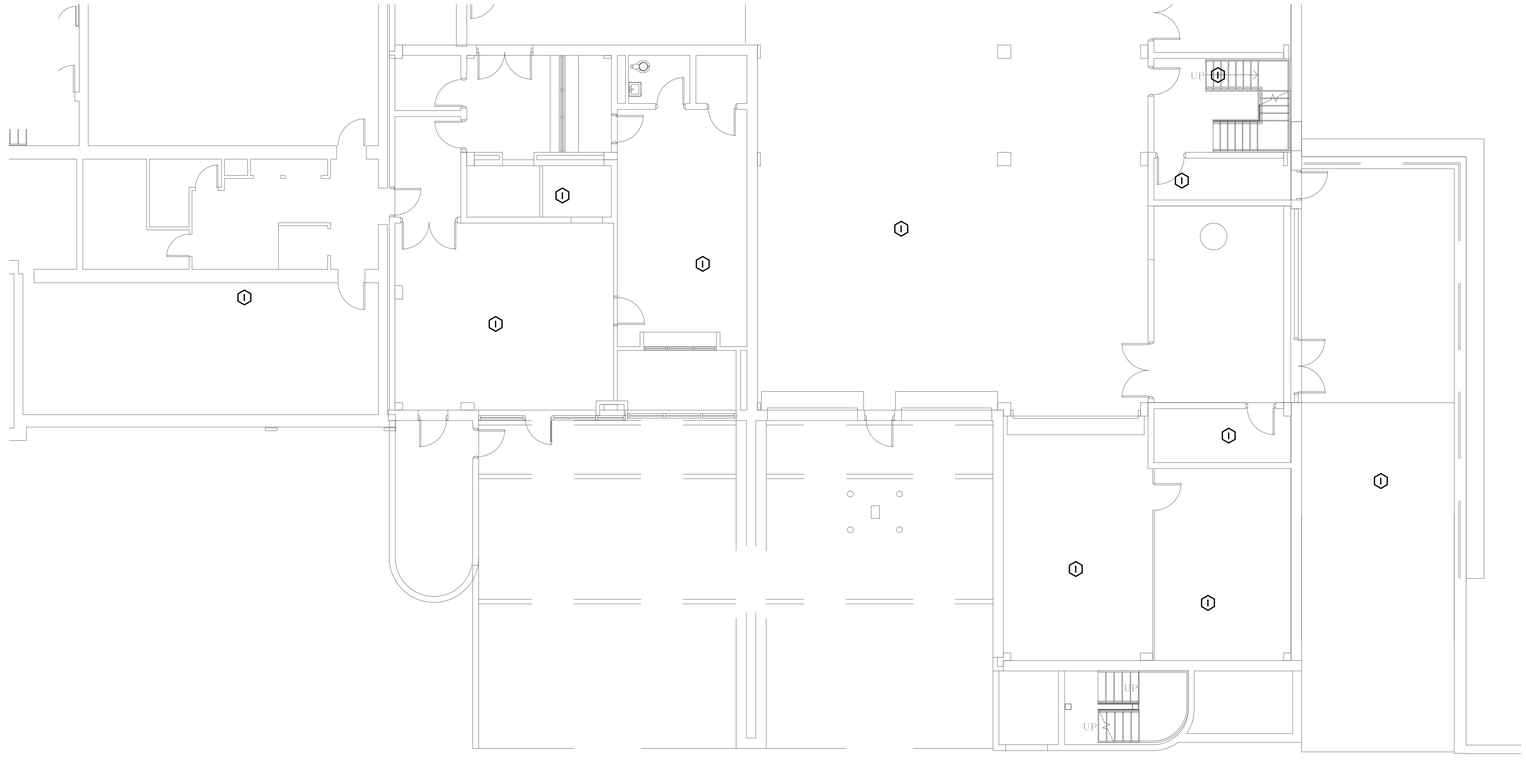
CKT	DESCRIPTION	KVA	C	G	W	CB	CKT
1	SPARE	0.0	---	---	---	20	1
3		0.0	---	---	---	3P	3
5		0.0	---	---	---		5
7	SPARE	0.0	---	---	---	20	7
9		0.0	---	---	---	3P	9
11		0.0	---	---	---		11
13	SPARE	0.0	---	---	---	20	13
15		0.0	---	---	---	3P	15
17		0.0	---	---	---		17
19	NA	0.0	---	---	---	20	19
21	NA	0.0	---	---	---	20	21
23	NA	0.0	---	---	---	20	23
25	NA	0.0	---	---	---	20	25
27	NA	0.0	---	---	---	20	27
29	NA	0.0	---	---	---	20	29
31	NA	0.0	---	---	---	20	31
33	NA	0.0	---	---	---	20	33
35	NA	0.0	---	---	---	20	35
37	NA	0.0	---	---	---	20	37
39	NA	0.0	---	---	---	20	39
41	NA	0.0	---	---	---	20	41

CKT	CB	W	G	C	KVA	DESCRIPTION	CKT
2	15	---	---	---	0.0	SPARE	2
4	3P	---	---	---	0.0		4
6		---	---	---	0.0		6
8	100	E	E	E	16.0	PANEL MLDE	8
10	3P	E	---	---	16.0		10
12	---	E	---	---	16.0		12
14	125	E	E	E	25.0	PANEL 2SPE	14
16	3P	E	---	---	25.0	VIA 75 KVA XFMR	16
18	---	E	---	---	25.0		18
20	100	E	E	E	16.0	ELEVATOR W/ SHUNT	20
22	3P	E	---	---	16.0		22
24	---	E	---	---	16.0		24
26	---	---	---	---	0.0	SPARE	26
28	---	---	---	---	0.0	SPACE ONLY	28
30	---	---	---	---	0.0	SPACE ONLY	30
32	---	---	---	---	0.0	SPACE ONLY	32
34	---	---	---	---	0.0	SPACE ONLY	34
36	---	---	---	---	0.0	SPACE ONLY	36
38	---	---	---	---	0.0	SPACE ONLY	38
40	---	---	---	---	0.0	SPACE ONLY	40
42	---	---	---	---	0.0	SPACE ONLY	42

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
CONT. LOAD	0.00	125%	0.00
RECEPTACLE	0.00	1000/500%

KEY NOTES

1. NO WORK THIS AREA.



1 FA1.1 **FIRE ALARM DEMOLITION PLAN GROUND FLOOR**
SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID J. WHITNEY

NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-981

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

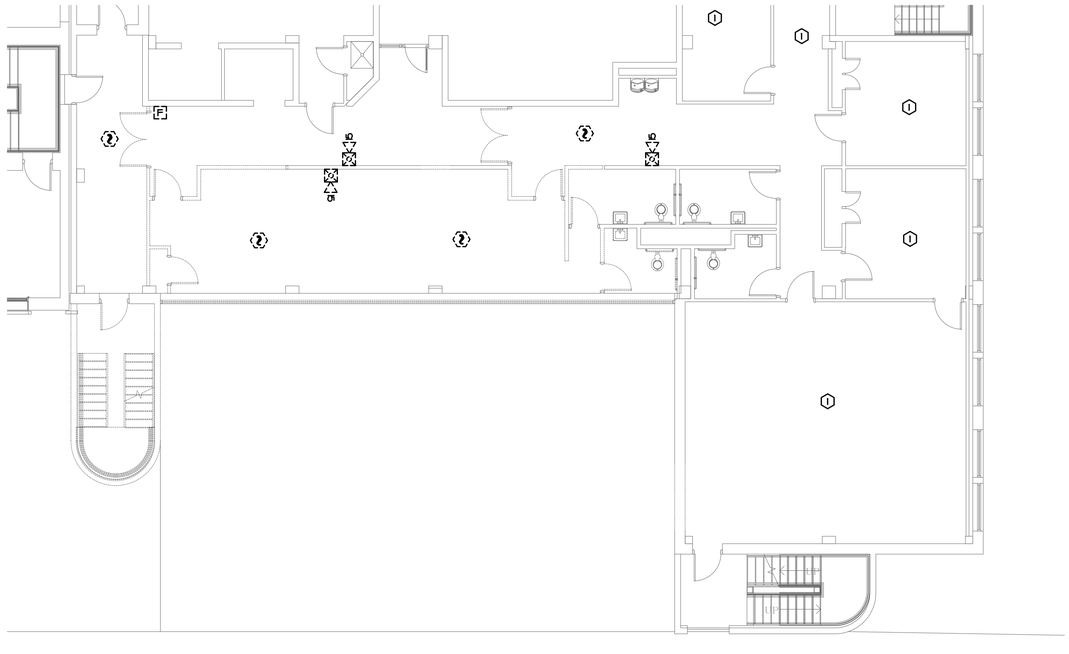
Revisions		
1	Description	Date

Date: 07/07/23	Project No.: 22006
Drawn By: AB	Sheet No.: 3FA1.1
Checked By: DW	

Sheet Title: FIRE ALARM DEMOLITION PLAN GROUND FLOOR

KEY NOTES

1. NO WORK THIS AREA



1 FA1.2 **FIRE ALARM DEMOLITION PLAN FIRST FLOOR**

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

22057

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID WHITNEY

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

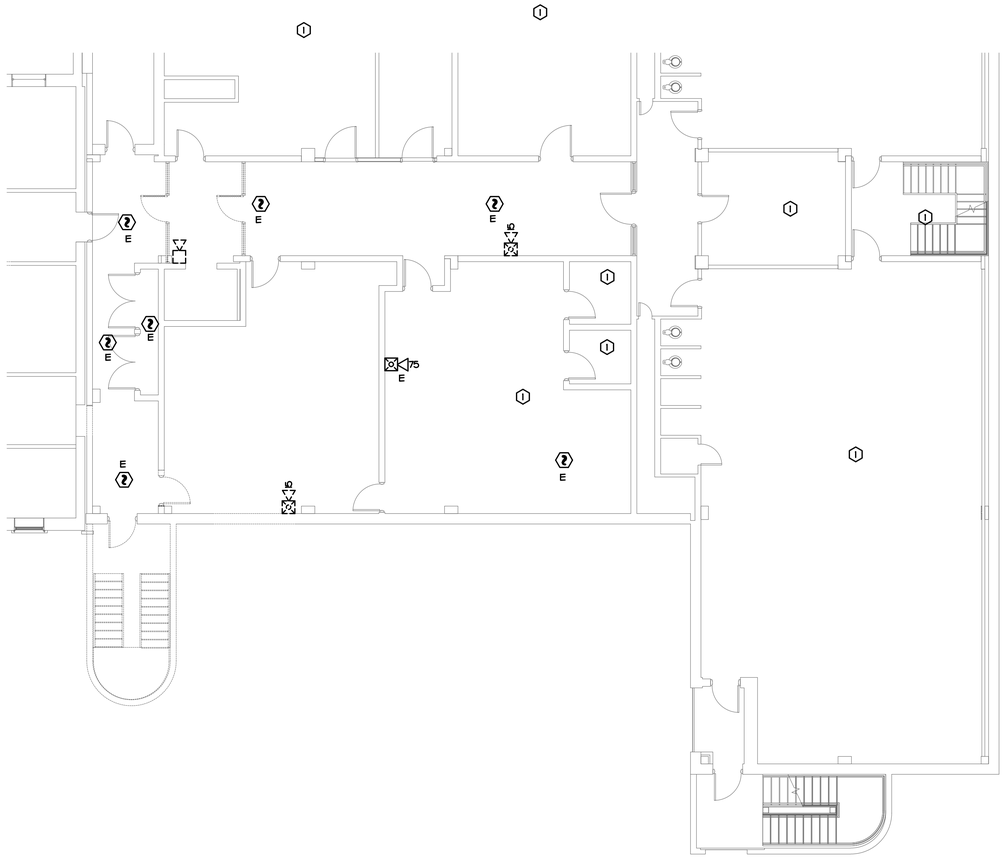
Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3FA1.2
Checked By: DW	

Sheet Title: FIRE ALARM DEMOLITION PLAN FIRST FLOOR

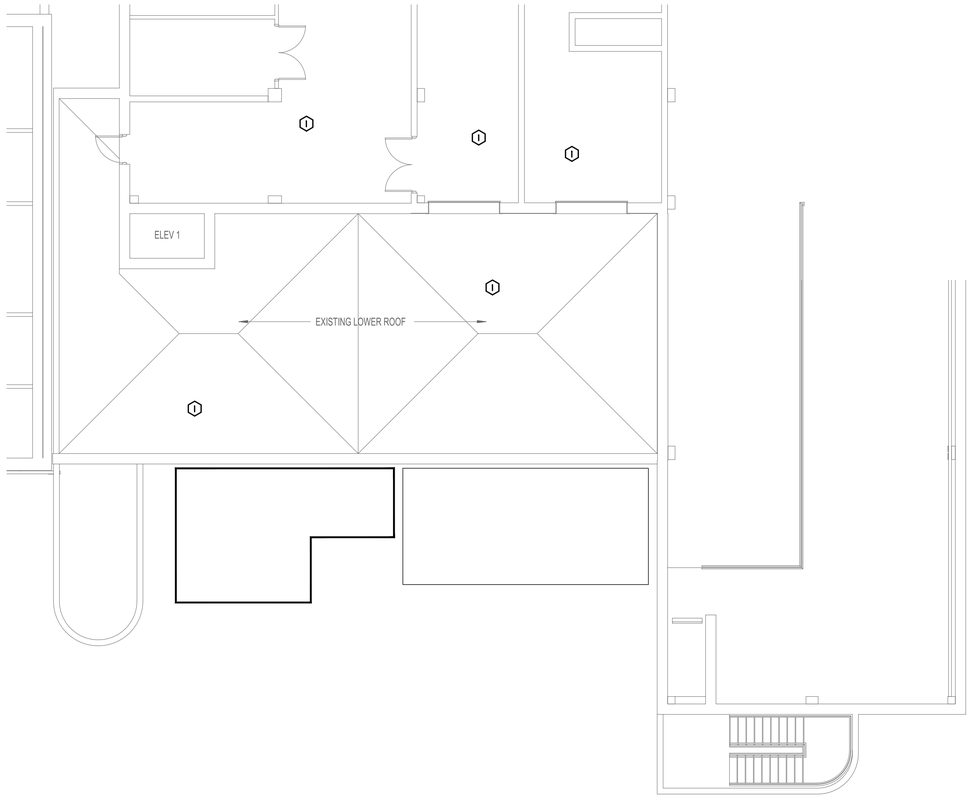
KEY NOTES

1. NO WORK THIS AREA


1
E
2
E
2
E
2

KEY NOTES

1 NO WORK THIS AREA



1 FA1.4 FIRE ALARM DEMOLITION PLAN THIRD FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

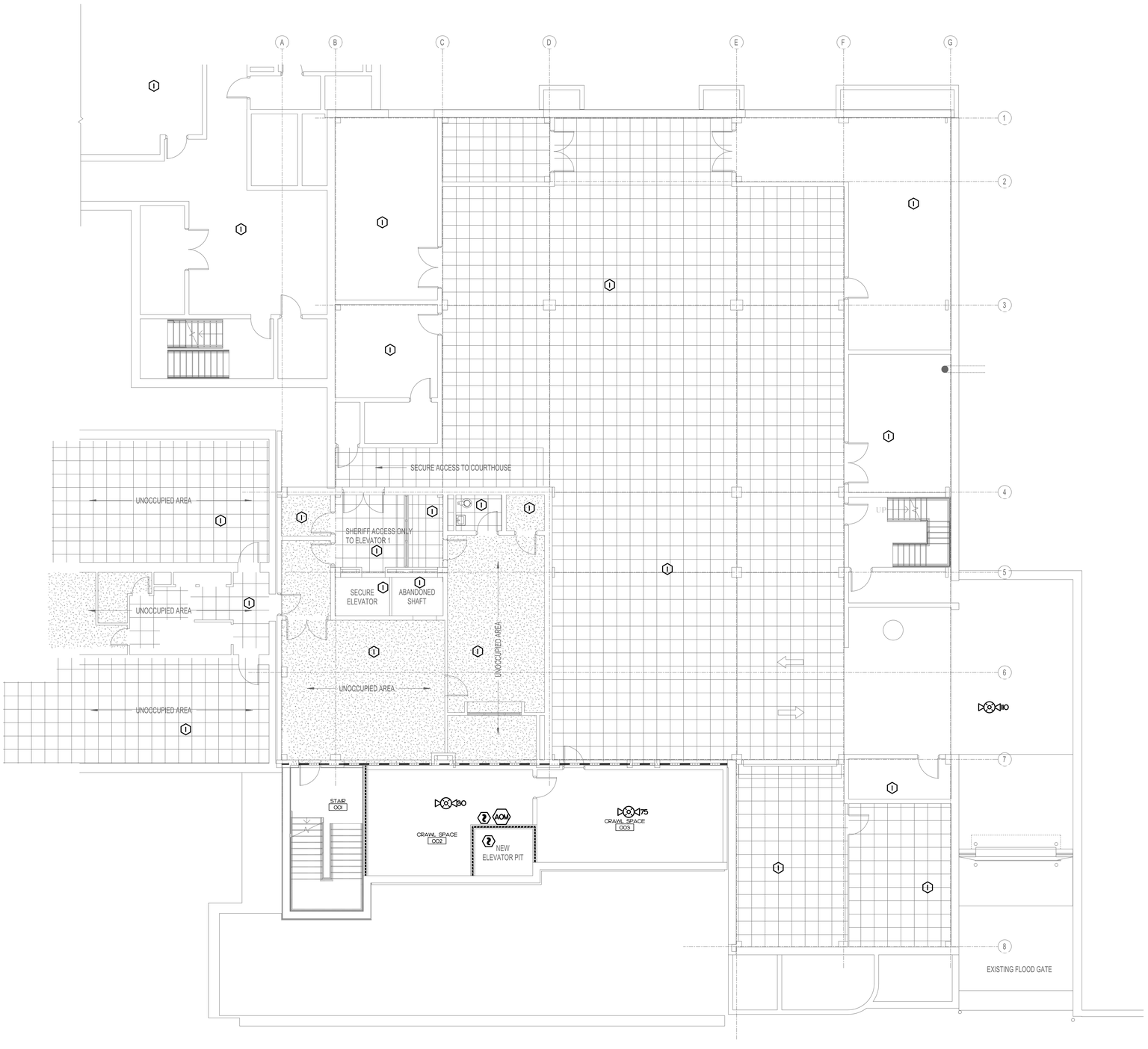
	Description	Date
4		

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3FA1.4
Checked By: DW	

Sheet Title
FIRE ALARM DEMOLITION PLAN
THIRD FLOOR

KEY NOTES

(1) NO WORK THIS AREA



1 FA2.1 FIRE ALARM PLAN GROUND FLOOR

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

7/7/23
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID J. WHITNEY

NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-861

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
1	Description	Date

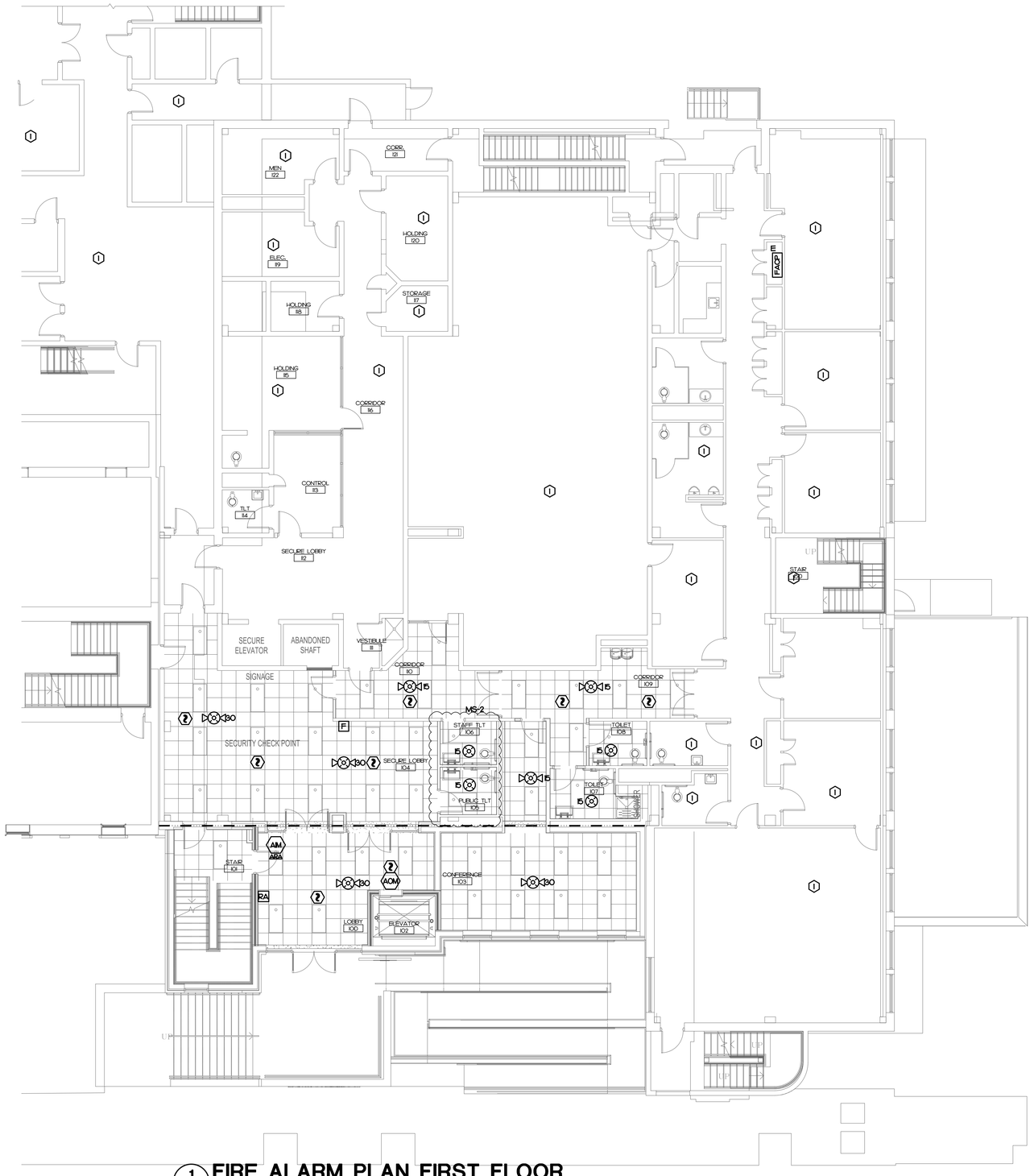
Date: 07/07/23	Project No.: 22006
Drawn By: AB	Sheet No.: 3FA2.1
Checked By: DW	

Sheet Title: FIRE ALARM PLAN GROUND FLOOR

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

(1) NO WORK THIS AREA



1 FA2.2 **FIRE ALARM PLAN FIRST FLOOR**

SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

ATLANTEC ENGINEERS PA No. C-961 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
	Description	Date

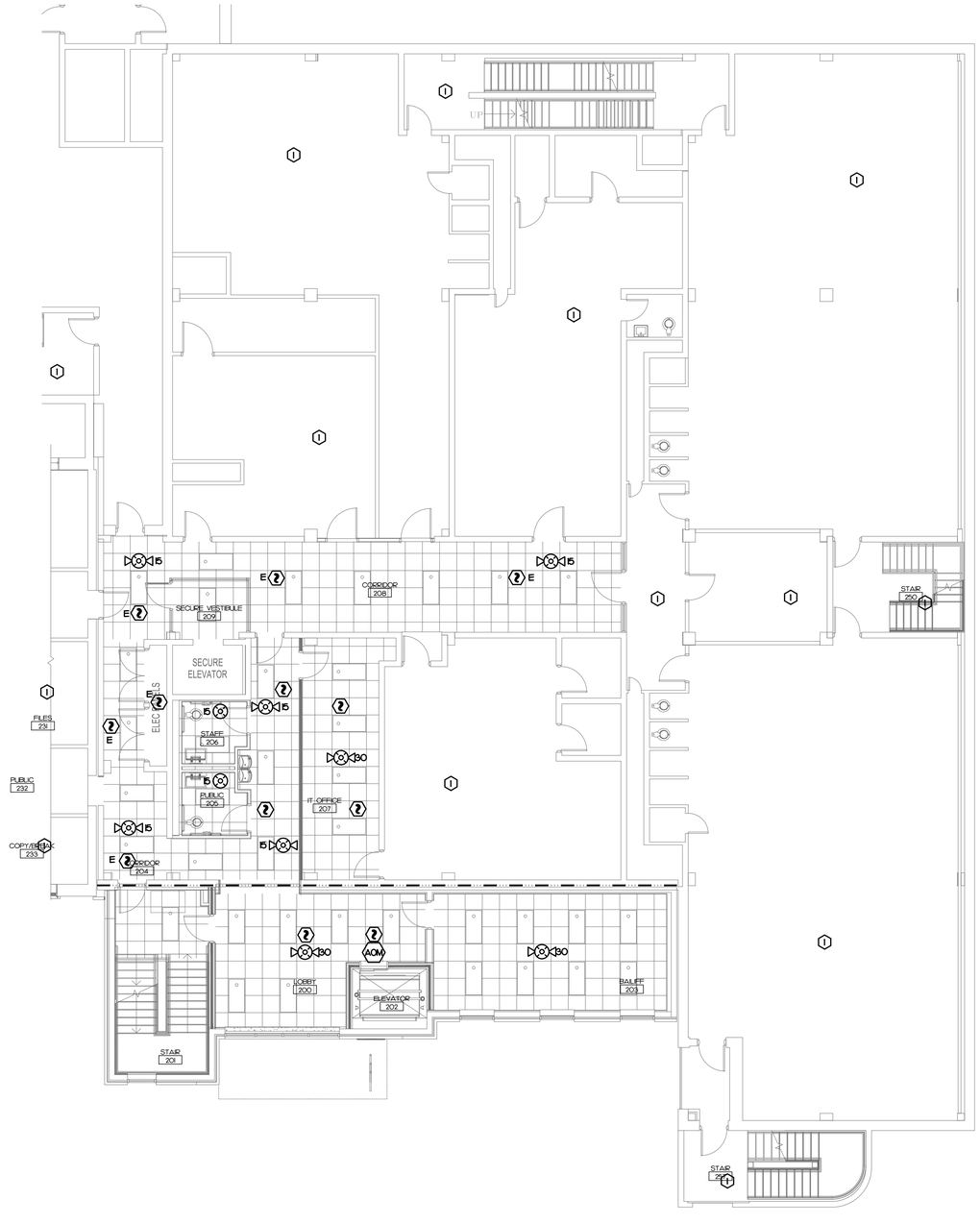
Date: 07/07/23	Project No.: 22006
Drawn By: AB	Sheet No.: 3FA2.2
Checked By: DW	

Sheet Title: FIRE ALARM PLAN FIRST FLOOR

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

(1) NO WORK THIS AREA



1 FA2.3 FIRE ALARM PLAN SECOND FLOOR

SCALE: 1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
323 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

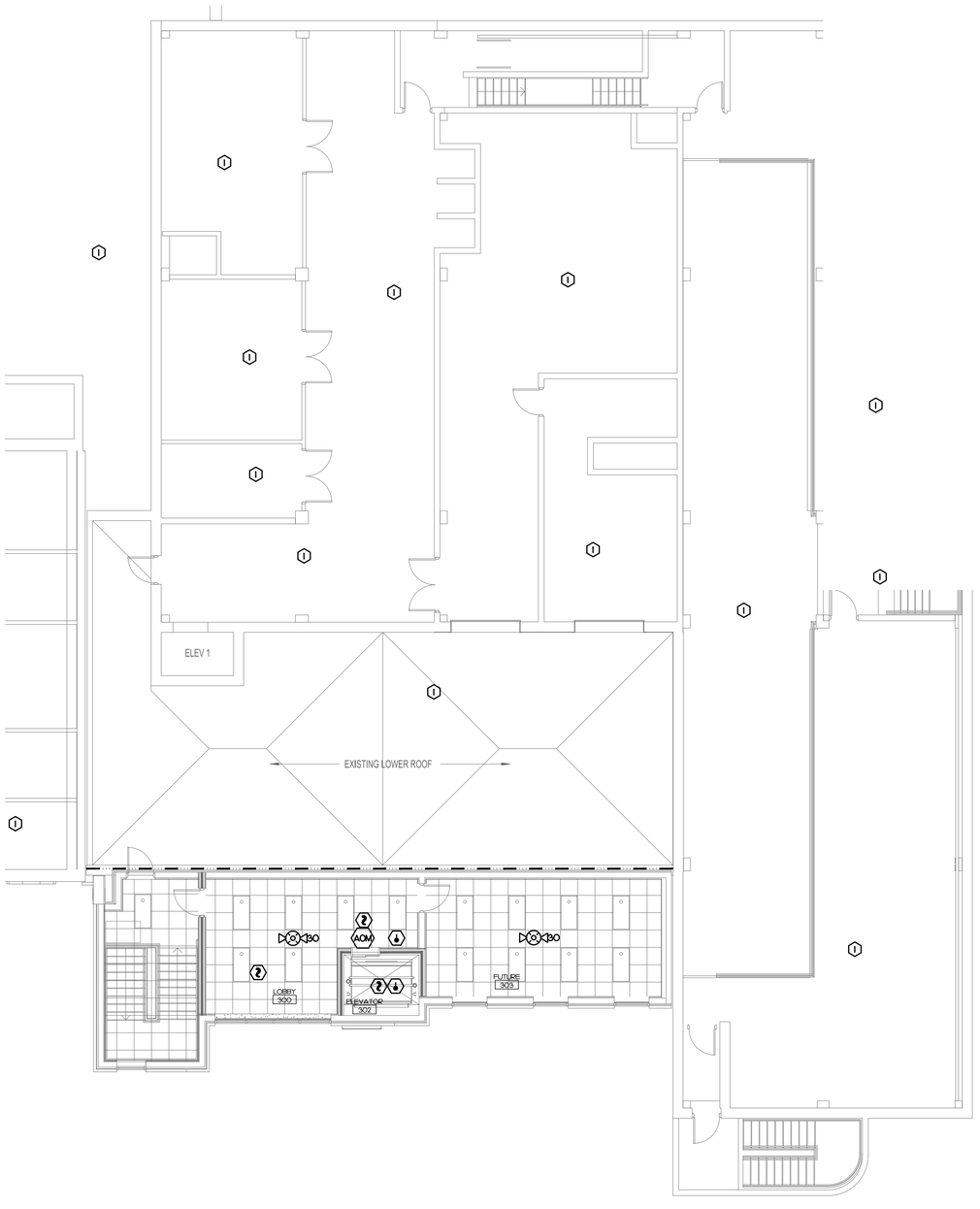
ATLANTEC ENGINEERS PA No. C-961 NORTH CAROLINA PROFESSIONAL CORPORATION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3FA2.3
Checked By: DW	

Sheet Title: FIRE ALARM PLAN SECOND FLOOR



KEY NOTES

1 NO WORK THIS AREA

1 FA2.4 **FIRE ALARM PLAN THIRD FLOOR**

SCALE: 1/8" = 1'-0"

Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17382 DAVID WAITHE

ATLANTEC ENGINEERS PA No. C-981 NORTH CAROLINA PROFESSIONAL CORPORATION

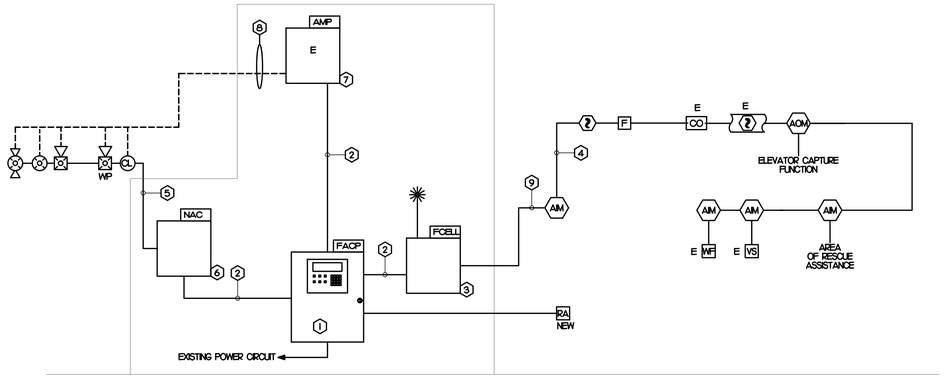
GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3FA2.4
Checked By: DW	

Sheet Title: FIRE ALARM PLAN THIRD FLOOR

FIRE ALARM RISER



KEY NOTES

1. EXISTING EST ADDRESSABLE FIRE ALARM CONTROL PANEL.PROVIDE ADDITIONAL NAC PANELS AS REQUIRED.
2. EXISTING COMMUNICATION CABLE IN CONDUIT.
3. EXISTING CELLULAR DIGITAL ALARM COMMUNICATOR.
4. ADDRESSABLE CIRCUIT.
5. NOTIFICATION APPLIANCE CIRCUIT.
6. NOTIFICATION APPLIANCE POWER CABINET AS REQUIRED
7. EXISTING AMP FOR VOICE EVAC SYSTEM. UPGRADE AS REQUIRED.
8. SPEAKER CIRCUIT.
9. INITIATING CIRCUIT.

NOTES:

1. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR THE PROPER SIZE OF THE SPEAKERS AND THE AMPLIFIER. MODEL THE LARGE SPACES TO PROVIDE PROPER SPEAKER SIZE. UPGRADE THE EXISTING AMPLIFIER AS REQUIRED.
2. PROVIDE PAGING ZONES AS REQUIRED BY NC SBC SECTION 907.5.2.2 AND THE LOCAL FIRE MARSHALL.
3. PROVIDE LIVE VOICE MESSAGING PER NC SBC 907.5.2.2.2.

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
(2)	SMOKE DETECTOR, PHOTOELECTRIC ADDRESSABLE.	EST
E (2)	EXISTING DUCT SMOKE DETECTOR	EST
F	FIRE ALARM PULL STATION. MOUNT 42" A.F.F. ADDRESSABLE.	EST
'XX'	FIRE ALARM STROBE. MOUNT 80" A.F.F. 'XX' INDICATES CANDELA RATING.	EST
'XX'	FIRE ALARM CEILING STROBE. 'XX' INDICATES CANDELA RATING.	EST
E CO	EXISTING CARBON MONOXIDE ALARM	EST
E FACP	EXISTING FIRE ALARM CONTROL PANEL, FLUSH MOUNTED. VOICE EVAC CAPABLE. ADDRESSABLE.	EST
'XX'	FIRE ALARM CEILING SPEAKER/STROBE. 75 dBA SOUND LEVEL. 'XX' INDICATES CANDELA RATING.	EST
E AMP	EXISTING VOICE AMPLIFIER CABINET	EST
AOM	RELAY CONTROL MODULE ADDRESSABLE.	EST
AIM	MONITOR MODULE ADDRESSABLE.	EST
E WF	FIRE SPRINKLER WATER FLOW SWITCH.	EXISTING
E VS	FIRE SPRINKLER VALVE SUPERVISORY SWITCH (TAMPER SWITCH).	EXISTING
	HEAT DETECTOR, RATE OF RISE WITH FIXED TEMP. ADDRESSABLE.	EST
2A	NEW FIRE ALARM REMOTE ANNUNCIATOR. FLUSH MOUNTED.	EST
17 / 16	FIRE ALARM HORN TO BE REMOVED	
17 / 24	FIRE ALARM HORN/STROBE TO BE REMOVED	
(2)	SMOKE DETECTOR TO BE REMOVED	
F	FIRE ALARM PULL STATION TO BE REMOVED	
E A.F.C.	EXISTING ABOVE FINISHED CEILING	
A.F.F.	ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX	

FIRE ALARM NOTES

1. SEE PLANS FOR QUANTITY AND LOCATION OF ALL EQUIPMENT.
2. CONTRACTOR SHALL PROVIDE COMPLETE DOCUMENT PER 2018 FIRE CODE SECTION 907.1.1 AND 907.1.2 TO TO ENGINEER FOR APPROVAL PRIOR TO SUBMIT TO AND TESTING BY LOCAL FIRE MARSHAL'S OFFICE.
3. PLACARD THE ENTIRE FIRE ALARM SYSTEM. PROVIDE PANEL AND CIRCUIT NUMBERS ON A NAME PLATE AFFIXED TO THE FACE OF THE FIRE ALARM CONTROL PANEL.
4. CONTRACTOR SHALL PROVIDE ZONE MAPS COMPLETE WITH ADDRESSES FOR EACH FIRE ALARM DEVICE IN WOODEN FRAME ADJACENT TO THE NEW FIRE ALARM CONTROL PANEL.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS AND CUT SHEETS FOR FIRE ALARM SYSTEM TO ENGINEER FOR APPROVAL.
6. ALL WIRING SHALL BE SUPERVISED.
7. ALL WIRING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
8. ALL WIRING IN WALLS OR FURRED SPACES SHALL BE IN CONDUIT.
9. WHERE PERMITTED BY CODE, WIRING ABOVE ACCESSIBLE CEILINGS MAY BE RUN EXPOSED AND THE FOLLOWING REQUIREMENTS SHALL BE MET:
   - WIRING SHALL BE PLENUM RATED WHERE APPLICABLE.
   - PROVIDE BRIDLE RINGS FOR INDEPENDENT FIRE ALARM CABLE SUPPORT UNLESS SPECIFICALLY NOTED OTHERWISE. ANALOG LOOP WIRING INCOMING AND OUTGOING SHALL NOT BE SUPPORTED IN THE SAME BRIDLE RING.
10. ADDRESSABLE SLC CIRCUIT REQUIREMENTS:
    - WIRING SHALL MATCH EXISTING.
11. NOTIFICATION CIRCUIT REQUIREMENTS:
    - WIRING SHALL MATCH EXISTING.
    - PROVIDE WITH 'SYNC MODULE' AS REQUIRED PER NFPA 72.
    - FURNISH NOTIFICATION CIRCUITS AS REQUIRED TO ACCOMMODATE CIRCUIT LOADING. NO NOTIFICATION CIRCUIT SHALL BE LOADED TO MORE THAN 80% CAPACITY.
12. NOTIFICATION APPLIANCE RATINGS:
    - PROVIDE SOUND (dB) AND CANDELA (Cd) RATINGS FOR ALL HORN/STROBE DEVICES PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72, 18.5.5.5.7 AND 18.5.3.6.
    - A DECIBEL LEVEL OF (15 dB ABOVE AMBIENT ON NFPA 72, TABLE A.18.4.3) SHALL BE MAINTAINED IN ALL GENERAL AREAS AND 100 dB (15 dB ABOVE AN AMBIENT OF 85 dB IN NFPA 72, 18.4.3.)) SHALL BE MAINTAINED IN ALL MECHANICAL EQUIPMENT ROOMS PER NFPA 72 AND THE 2018 NORTH CAROLINA STATE BUILDING CODE (SECTION 907.6.2).
    - WHERE FIRE ALARM SYSTEM IS WITH VOICE EVACUATION SYSTEM, PER NFPA 18.4.1.5 VOICE MESSAGES SHALL NOT BE REQUIRED TO MEET THE AUDIBILITY REQUIREMENTS OF 18.4.3, BUT SHALL MEET THE INTELLIGIBILITY REQUIREMENTS OF 18.4.10 WHERE VOICE INTELLIGIBILITY IS REQUIRED.

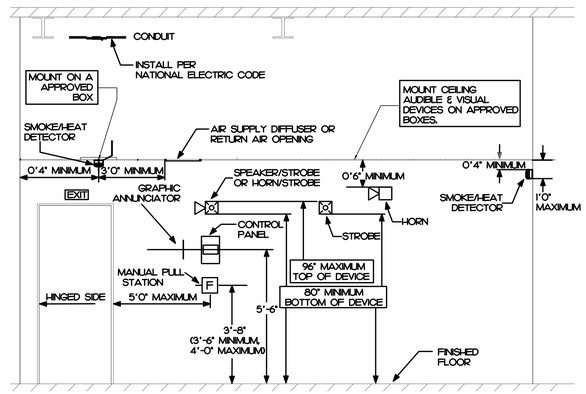
FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM OUTPUTS

FACP ANNUNCIATION | NOTIFICATION | REQUIRED FIRE SAFETY CONTROL

	SYSTEM INPUTS	A: ACTUATE COMMON ALARM SIGNAL INDICATOR	B: ACTUATE AUDIBLE ALARM SIGNAL	C: ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	D: ACTUATE AUDIBLE SUPERVISORY SIGNAL	E: ACTUATE COMMON TROUBLE SIGNAL	F: ACTUATE AUDIBLE TROUBLE SIGNAL	G: ACTUATE ZONE OR DEVICE ADDRESS ALARM INDICATOR	H: DISPLAY CHANGE OF STATUS	I: TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	J: TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	K: TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	L: RELEASE MAGNETICALLY HELD DOORS	M: RECALL ELEVATOR TO ALTERNATE RECALL FLOOR	N: ACTUATE ELEVATOR WARNING TO ELEVATOR CARS	O: RELEASES REMOVAL OF POWER FROM ELEVATOR	P: SHUT DOWN RESPECTIVE ELEVATOR MACHINE EQUIPMENT	Q: SHUT DOWN RESPECTIVE ELEVATOR SHOCK CURTAIN	R: UNLOCK EXIT AND CONTROL DOORS	S: CLOSE ALL SMOKE DAMPERS		
1	FIRE ALARM SYSTEM AC POWER FAILURE					●	●					●											1
2	FIRE ALARM SYSTEM LOW BATTERY					●	●					●											2
3	OPEN CIRCUIT					●	●					●											3
4	GROUND FAULT					●	●					●											4
5	NOTIFICATION APPLIANCE CIRCUIT SHORT					●	●					●											5
6	BUILDING MANUAL PULL STATIONS	●	●					●	●	●	●		●										6
7	CORRIDOR SMOKE DETECTORS	●	●					●	●	●	●		●	●					●	●			7
8	AREA SMOKE DETECTORS	●	●					●	●	●	●		●	●					●	●			8
9	HVAC AIR DUCT SMOKE DETECTORS			●	●			●				●						●	●	●			9
10	SPRINKLER TAMPER SWITCH			●	●			●				●							●	●			10
11	SPRINKLER WATER FLOW IN BUILDING	●	●					●	●	●	●		●	●						●			11
12	SPRINKLER WATER FLOW IN ELEV EQUIP RM OR SHAFT	●	●					●	●	●	●		●	●		●	●			●			12
13	ELEV EQUIP RM AREA SMOKE DETECTOR	●	●					●	●	●	●		●	●		●				●			13
14	ELEV SHAFT AND ELEV EQUIP RM HEAT DETECTORS	●	●					●	●	●	●		●	●		●	●			●			14
15	ELEV LOBBY SMOKE DETECTORS - UPPER FLOORS	●	●					●	●	●	●		●	●					●	●			15
16	ELEV LOBBY SMOKE DETECTOR - RECALL FLOOR	●	●					●	●	●	●		●		●				●	●			16
17	ELEV CONTROLLER POWER SHUNT TRIP STATUS			●	●			●				●							●	●			17
17	AREA OF REFUGE TWO-WAY COMMUNICATIONS STATUS			●	●			●				●											17

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



Copyright © 2020 OakleyCollier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS
OCA
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500
1111 Haynes Street, Suite 109, Raleigh, NC 27604 (P) 919.985.7700

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD
SUITE 103
RALEIGH, NC 27612
(919) 571-1111

22057

PHASE 3 RENOVATIONS TO:
CRAVEN COUNTY COURTHOUSE / EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17382 ENGINEER DAVID J. WHITNEY

NORTH CAROLINA PROFESSIONAL CORPORATION ATLANTEC ENGINEERS PA No. C-961

GENERAL NOTE:
Prior to construction start. Contractor shall verify & be responsible for all Dimensions.

Revisions		
	Description	Date

Date	Project No.
07/07/23	22006
Drawn By: AB	Sheet No. 3FA3.1
Checked By: DW	

Sheet Title: FIRE ALARM LEGEND, NOTES, AND DETAILS