ABC Buxton

ABBREVIATIONS

ADDKE VIA	ATIONS		
1R1S	(1) ROD + (1) SHELF	NCSBC	NORTH CAROLINA STATE BUILDING COD
ACI	AMERICAN CONCRETE INSTITUTE	N.I.C.	NOT IN CONTRACT
ACT	ACOUSTICAL CEILING TILE	NO.	NUMBER
AFF	ABOVE FINISH FLOOR	NOM.	NOMINAL
AFG	ABOVE FINISH GRADE	O.C.	ON CENTER
AHU	AIR HANDLING UNIT	O.D.	OVERFLOW DRAIN/OUTSIDE DIAMETER
ALUM.	ALUMINUM	O.H.	OPPOSITE HAND
	ANTE MERIDEN	O.H. OPNG.	OPENING
AM ARCH.		OPNG. O/S	
	ARCHITECTURAL AMERICAN SOCIETY FOR TESTING AND MATERIALS		OUTSIDE OPEN TO BELOW
ASTM			
BFE	BASE FLOOD ELEVATION	PC	PLUMBING CONTRACTOR
B.O.	BOTTOM OF	PH	PHASE
CJ	CONTROL JOINT	PJ	PANEL JOINT
CAB.	CABINET	PL	POINT LOAD
CLG	CEILING	P-LAM	PLASTIC LAMINATE
CMU	CONCRETE MASONRY UNIT	PME	PLUMBING, MECHANICAL, & ELECTRICAL
CO	CLEANOUT	PP	PUSH PAD
CONC.	CONCRETE	PSF	POUNDS PER SQUARE FOOT
CONT.	CONTINUOUS	PSI	POUNDS PER SQUARE INCH
CPET	COMMON PATH OF EXIT TRAVEL	PSL	PARALLEL STRAND LUMBER
CW	COLD WATER	P.T.	PRESSURE TREATED
DBL	DOUBLE	PNTD	PAINTED
DR.	DOOR	P.W. / PWD	PLYWOOD
DWG.	DRAWING	RC	REINFORCED CONCRETE
DWV	DRAIN/ WASTE/ VENT	RCP	REFLECTED CEILING PLAN
DS	DOWNSPOUT	RD	ROOF DRAIN
DTL.	DETAIL	REINF	REINFORCED OR REINFORCING
EC	ELECTRICAL CONTRACTOR	REQ'D	REQUIRED
EJ.	EXPANSION JOINT	RL	ROOF LEADER
ELECT.	ELECTRICAL	RUB	RUBBER
ELEV.	ELEVATION	SAN	SANITARY
ETC.	ETCETERA	SF	SQUARE FOOT OR SQUARE FEET
E.T.R.	EXISTING TO REMAIN	SIM	SIMILAR
EWC	ELECTRIC WATER COOLER	SP	SOUTHERN PINE
EXIST.	EXISTING	SPF	SPRUCE/ PINE/ FIR
EXT.	EXTERIOR	SS	STAINLESS STEEL
FBGLS.	FIBERGLASS	STOR	STOREFRONT
FCP	FIBER CEMENT PANEL	STL.	STEEL
FD	FLOOR DRAIN	TD	TRAVEL DISTANCE
FF	FINISH FLOOR	TME	TO MATCH EXISTING
FEC	FIRE EXTINGUISHER CABINET	T.O.	TOP OF
FJ	FALSE JOINT	T.O.P.	TOP OF PLATE
FLR.	FLOOR	TRD.	TREAD
GC	GENERAL CONTRACTOR	TYP.	TYPICAL
		U.N.O.	UNLESS NOTED OTHERWISE
GA. GALV.	GALVANIZED	V.N.O.	VOLT/ VOLTAGE
	GALVANIZED	V VCT	
GEN	GENERAL		VINYL COMPOSITE TILE
GS	GANG STUD	VERT.	VERTICAL
GWB	GYPSUM WALL BOARD	VIF	VERIFY IN FIELD
H/C	HANDICAPPED	W/	WITH
HDWR	HARDWARE	WGL	WIRE GLASS
HM	HOLLOW METAL	WD	WOOD
HORIZ.	HORIZONTAL		
HP	HEAT PUMP		
IM	ICEMAKER		
INSUL.	INSULATION		
INT.	INTERIOR		
KW	KILOWATT		
LOCS.	LOCATIONS		
LSL	LAMINATED STRAND LUMBER		
MAX.	MAXIMUM		
MBT	MARBLE THRESHOLD		
MC	MECHANICAL CONTRACTOR		

GENERAL CONSTRUCTION NOTES

MEJ

MFR.

MIN.

MECH.

1. THESE DRAWINGS CONTAIN THE MINIMUM INFORMATION NECESSARY FOR ANY REPUTABLE CONTRACTOR TO UNDERTAKE CONSTRUCTION. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE COMPLETION OF THE PROJECT. HE SHALL COMPLETE THE WORK IN THE BEST AND MOST WORKMANLIKE MANNER, AND DO EVERYTHING PROPERLY INCIDENTAL THERETO, AS SHOWN ON THE PLANS, REQUIRED BY ALL APPLICABLE CODES, AS RECOMMENDED BY PRODUCT MANUFACTURERS, AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.

MASONRY CONTROL JOINT

MECHANICAL

MINIMUM

METAL

MANUFACTURER

METAL THRESHOLD

MASONRY EXPANSION JOINT

- ALL WORK SHALL BE IN COMPLIANCE WITH THE CURRENT NORTH CAROLINA BUILDING CODE
 THE CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE BEGINNING WORK. DIMENSIONS FOR NEW CONSTRUCTION SHOULD BE HELD TO THE MAXIMUM EXTENT POSSIBLE.
 PREMISES OF THE ENTIRE JOB SITE WILL BE MAINTAINED IN A NEAT AND ORDERLY CONDITION DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL CONFORM TO ALL
- REQUIREMENTS OF OSHA.

 5. PRIOR TO THE FINAL PAYMENT THE CONTRACTOR SHALL GIVE TO THE OWNER A LABELED BINDER CONTAINING A LIST OF ALL SUPPLIERS AND SUBCONTRACTORS WITH ADDRESSES AND PHONE NUMBERS, GUARANTEES, AND OPERATION AND MAINTENANCE MANUALS OF ALL EQUIPMENT. THE
- CONTRACTOR SHALL WARRANT THE WORK FOR A PERIOD OF ONE YEAR.

 6. IF A PORTION OF THE WORK HAS BEEN COVERED WHICH THE ARCHITECT HAS NOT SPECIFICALLY REQUESTED TO OBSERVE PRIOR TO ITS BEING COVERED, THE ARCHITECT MAY REQUEST TO SEE SUCH WORK AND IT SHALL BE UNCOVERED BY THE CONTRACTOR. IF SUCH WORK IS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, COSTS OF UNCOVERING AND REPLACEMENT SHALL, BY APPROPRIATE CHANGE ORDER, BE CHARGED TO THE ARCHITECT. IF SUCH WORK IS NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PAY SUCH COSTS UNLESS THE CONDITION WAS CAUSED BY THE OWNER OR A SEPARATE CONTRACTOR IN WHICH EVENT THE OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF SUCH COSTS. THE CONTRACTOR SHALL PROWNERLY THE WORK REJECTED BY THE ARCHITECT OR FAILING TO CONFORM TO
- THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

 7. ALL CONCRETE SHALL BE 3000 PSI MINIMUM, AND ALL WORK SHALL BE PERFORMED IN
- ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE ACI AND ASTM.

 8. LIGHT GAUGE STEEL FRAMING SHALL BE IN ACCORDANCE WITH THE LIGHT-GAUGE STEEL FRAMING CONSTRUCTION MANUAL AND AS PER ASTM A446, A570, OR A611.
- CONSTRUCTION MANUAL AND AS PER ASTM A446, A570, OR A611.

 9. REINFORCING BARS FOR CONCRETE WORK SHALL BE GRADE 60, DEFORMED AS PER ASTM A615.

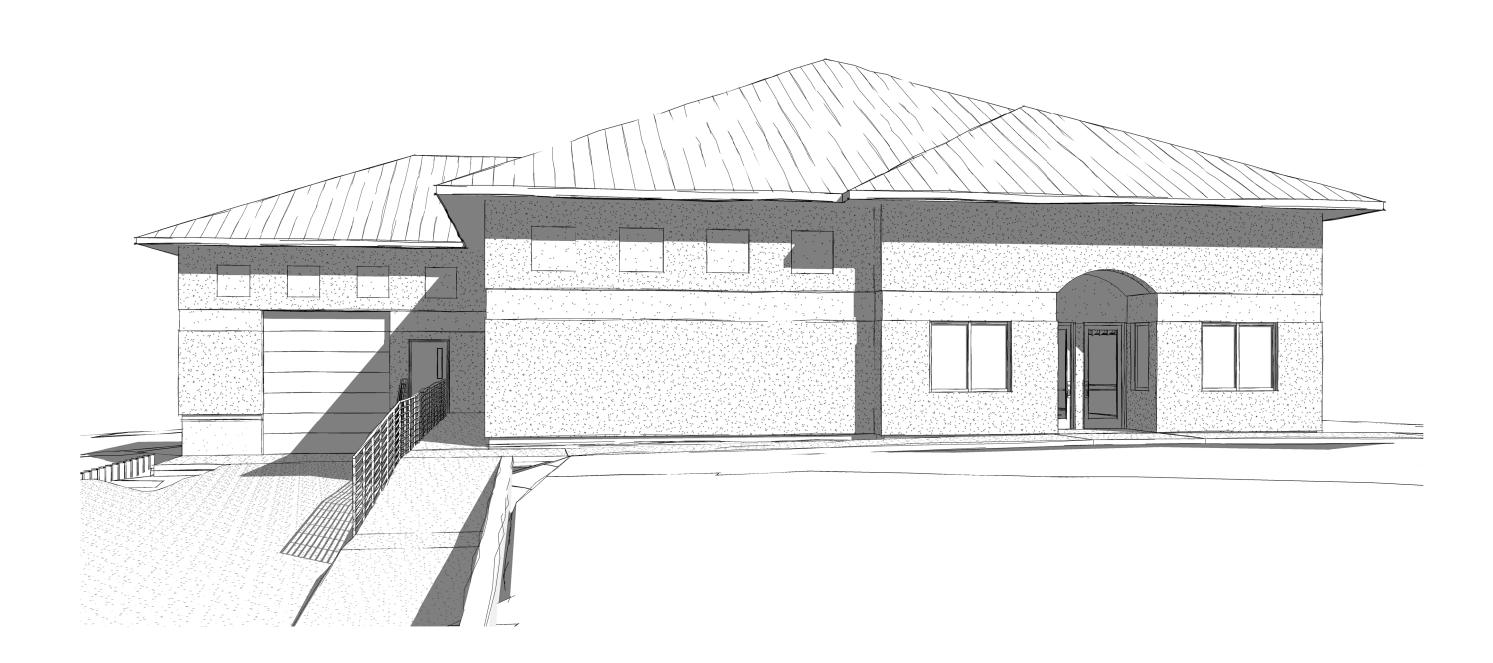
 10. WELDED WIRE FABRIC SHALL BE AS PER ASTM A185 OF SIZES AND TYPE AS SHOWN ON DRAWINGS.

 11. METAL TIE DOWN STRAPS, ANCHORS AND CLIPS SHALL BE AS PER "SIMPSON STRONGTIE" OR
- EQUAL.

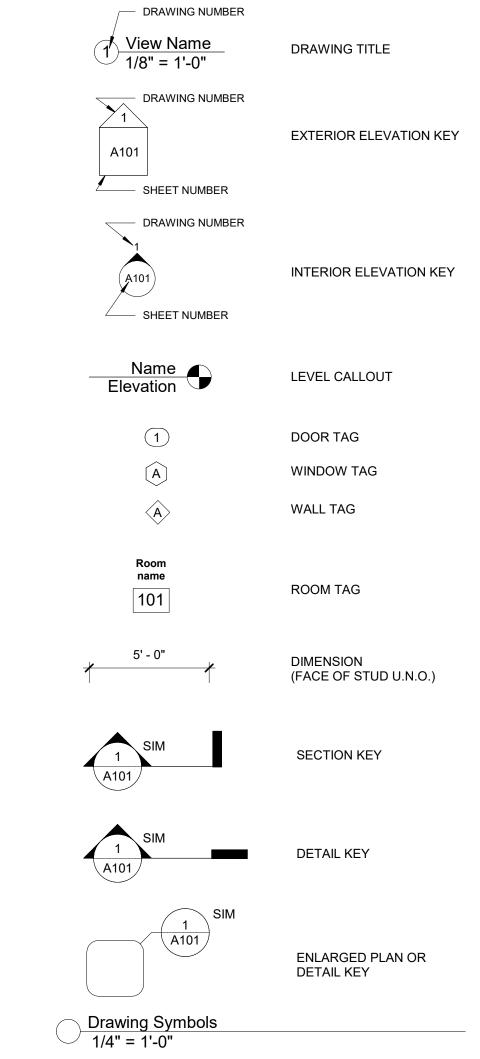
 12. WOOD FRAMING AND BLOCKING SHALL BE #2 SPF OF THE SIZES INDICATED AND SHALL HAVE A MIN. Fb VALUE OF 1200 PSI.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROOFING IN ACCORDANCE WITH NRCA REQUIREMENTS AND THE ROOFING PRODUCT MANUFACTURER'S RECOMMENDATIONS INCLUDING WATERPROOFING OF ALL PENETRATIONS AND SUPPORTS FOR MECHANICAL EQUIPMENT, AND AS SHOWN ON DRAWINGS.
- 14. THE CONTRACTOR SHALL DETERMINE BEFORE BEGINNING WORK WHETHER AN ELEVATION CERTIFICATE WILL BE REQUIRED AND SHALL OBTAIN THE CERTIFICATE AT THE EARLIEST OPPORTUNITY. ONE COPY MUST BE PROVIDED FOR THE OWNER.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INSULATION. INSULATION SHALL BE INSTALLED IN FULL CONTACT WITH SHEATHING AND GWB OF WALL CAVITY. FLOOR AND CEILING INSULATION SHALL BE IN FULL CONTACT WITH GWB. INSULATION SHALL BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS, WITH NO SUBSTANTIAL GAPS, VOIDS, COMPRESSION OR WIND INTRUSION.
- INTRUSION.

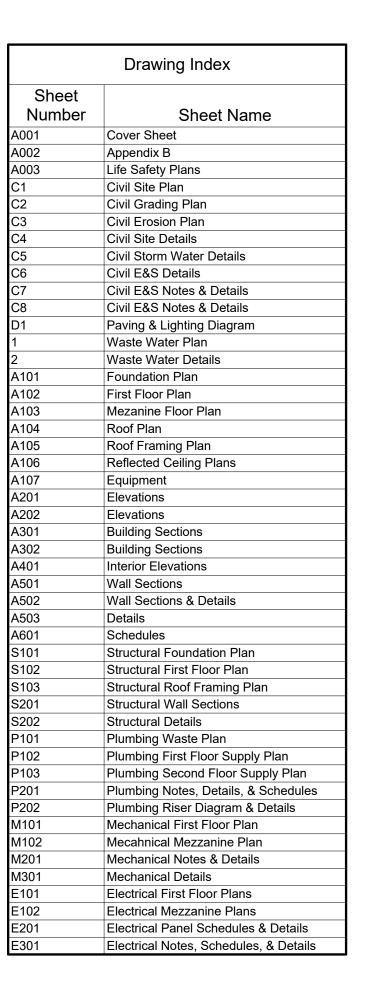
 16. SOIL SHALL BE FREE OF ORGANIC MATERIAL AND CONSOLIDATED TO BE CAPABLE OF 1,500 PSF
- AND LIMIT LONG TERM SETTLEMENT.

 17. CAULK ALL GAPS IN FRAMING AND SHEATHING AT FRAMING ROUGH-IN. CAULK GAPS IN GWB NOT SEALED BY TAPE AND JOINT COMPOUND. AIR TIGHTNESS SHALL BE LESS THAT OR EQUAL TO .30 CFM50 PER SQUARE FOOT OF CONDITIONED ENVELOPE AREA.



1 Perspective







Project: ABC Buxton

Project No: 22041

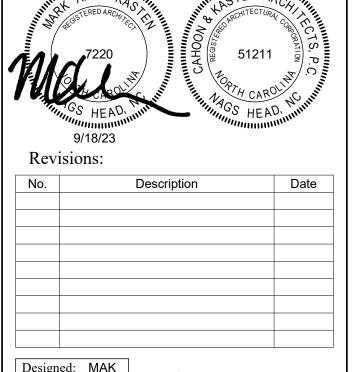
Location: 47290 Hwy 12
Buxton, NC

Title: Cover Sheet

Date: September 18, 2023

Scale: 1/4" = 1'-0"

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the



Reviewed: MAK

Cad File:

2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

	,		IILY DWELLING ing data on the bu			CS)	
<i>-</i>	ABC Buxton 7290 Hwy 12						
	Buxton, NC						
Phone #:	E-Mail:			1			
Owned By: Code Enforcement Jur	•	/County		Private County			tate tate
	Kasten, AIA		I	I = · · ·	I		
DESIGNER Architectural	FIRM Cahoon + Kasten Arch	nitects	NAME Mark Kasten	T220	TELEPHONE # 252.441.0271	E-MAIL mark@obxarchite	cts.com
Civil	Deel Engineering, PLL		David A. Deel	205258	252.202.3803	dadeeleng@gmail	l.com
Electrical Fire Alarm	Atlantec Engineers, P.	Α.	David J. Whitney	17382	919.571.1111	david@atlantecen	igineers.com
Plumbing Mechanical	Atlantec Engineers, P.		James B. Delpapa		919.571.1111	jim@atlantecengir	
Sprinkler-Standpipe	Atlantec Engineers, P.	А.	James B. Delpapa	22035	919.571.1111	jim@atlantecengir	neers.com
Structural Retaining Walls >5'h Other	Kitty Hawk Engineering	g	Barrett Crook	027540	252.655.1056	barrettcrook@kitty	yhawkengineerinç
2018 NC BUILDING	CODE:		· =	Addition	n	Time Interio	r Completio
2018 NC EXISTING			ction jurisdiction Presc	for poss riptive	ible additional pro Alteration Le	evel I 🔲 H	listoric Prop
			Repai	ır ter 14	Alteration Le	_	Change of Us
CONSTRUCTED: (RENOVATED: ((date) (date)				UPANCY(S) (Ch CUPANCY(S) (C		
RISK CATEGORY	` '	Cur	rent:		osed:		
BASIC BUILDING I				J			¬
Construction Type (check all that apply)	☐ I-A ☐ I-B		II-A II-B	│ III-A │ III-B	IV	\ \	_ V-A ⟨ V-B
Sprinklers: X	No Partial		NFPA 13	NFPA		PA 13D	
Standpines: X Primary Fire District	No Class I I t: No I	Yes	II III Flood I	│ Wet Hazard .	Dry Area: No	Yes	
Special Inspections R		No			ons are required, on ditional procedure		
		Cross P	Suilding Area Tab		intonal procedure	.s and require	Zificitts.
FLOOR			ISTING (SQ FT)		NEW (SQ FT)	SUB-TOT.
4th Floor 3rd Floor							
2nd Floor							
Mezzanine 1st Floor					907 SI 6306 SI		907 6306
Basement							
Total					7213 SI	-	7213
Educational Factory Hazardous Institutional Mercantile Residential Storage Utility and Miscella Accessory Occupancy	I-3 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	nate	F-2 Low H-2 Deflagrate I-1 & I-2 Condition I-3 Condition R-3 R-4 S-2 Low Open	lition [ombust	Health	H-5 HPM 4
Incidental Uses (Table							
Special Uses (Chapter Special Provisions (C							
Mixed Occupancy:	x No	Yes	Separation:	Hr.	Exception:	_	
	tl	he sum of th	or area calculations for area calculations for ratios of the actual shall not exceed 1.				
Actual 2	Area of Occupancy A		Actual Area o	f Occup	ancy B		
	e Area of Occupancy		Allowable Area			≤ 1	
		- +				=	≤ 1
STORY DESCRIE		(A) G. AREA	(B) TABLE 50	06.24	(C) AREA FOI	R AL	(D) LOWABLE
USI	I	STORY TUAL)	AREA		FRONTAG INCREASI		A PER STOR UNLIMITEI
1 Retail		7213 SI	F 90	00 SF			9000 S
D. "	11. A	7040 01	- N		1 11 D 11		
	lding Area	7213 SI		ımum Al	lowable Building	Area	
¹ Frontage area increas a. Perimeter which b. Total Building	h fronts a public way		pace having 20 fee	et minim	num width =	(F)	
	width of public way	=	(W)				
e. Percent of front	tage increase If = 10	0 [F/P - 0	0.25] x W/30 =		(%)		
² Unlimited area applied ³ Maximum Building A) (maxim	num 3 stories)(50	5 2)	
⁴ The maximum area of ⁵ Frontage increase is	of open parking garage	es must co	omply with Table	406.5.4.	, ,	<i>3.2)</i> .	
		1 = -	W/A BY P *	T			
			WABLE HEIGH LOWABLE		WN ON PLANS	CODE R	REFERENCI
Building Height in Fo			55'		22		
	if the "Shown on Plans" of				1.4.		
	of air traffic control towers of open parking garages i						
	PERCENT.	AGE OF	WALL OPENIN	IG CAL	CULATIONS		
WALL	FIRE SEPAI	RATION	DEGREE OF	OPENI	NGS ALLOW.	ARLE AC	TUAL SHO

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE ¹
Building Height in Feet (Table 504.3) ²	55'	22	
Building Height in Stories (Table 504.4) ³	2	1	

PERCENTAGE OF WALL OPENING CALCULATIONS										
WALL	FIRE SEPARATION	DEGREE OF OPENINGS	ALLOWABLE	ACTUAL SHOWN						
	DISTANCE FROM	PROTECTION	AREA	ON PLANS						
	PROPERTY LINES (FEET)	(TABLE 705.8)	(%)	(%)						

BUILDING ELEMENT	FIRE	F	RATING	DETAIL#	DESIGN#	SHEET#	SHE
	SEPARATION	REQ'D	PROVIDED	AND	FOR	FOR	FC
	DISTANCE		(W/*	SHEET#	RATED	RATED	RA
	(FEET)		REDUCTION)		ASSEMBLY	PENETRATION	JOI
Structural frame,							
including columns,		0					
girders, & trusses							
Bearing walls							
Exterior							
North		0					
East		0					
West		0					
South		0					
Interior		0					
Nonbearing walls and							
partitions							
Exterior walls							
North		0					
East		0					
West		0					
South		0					
Interior walls and partitions		0					
Floor construction	1						
Including supporting		0					
beams and joists							
Floor Ceiling Assembly		0					
Columns Supporting Floors		0					
Roof Construction, including		0					
supporting beams and joists							
Roof Ceiling Assembly		0					
Columns Supporting Roof		0					
Shafts Enclosures - Exit							
Shafts Enclosures - Other							
Corridor Separation							
Occupancy/ Fire Barrier Separa	ntion						
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/							
Sleeping Unit Separation							
Incidental Use Separation							
Indicate section number permit	ting reduction	1					

Exit Signs: Fire Alarm: Smoke Detection Systems: Yes Carbon Monoxide Detection:

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #:

- 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 calculations (Table 1004.1.2)
- Occupant loads for each area
- Exit access travel distances (1017)
- Common path of travel distances (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	ACCESSIBLE	ACCESSIBLE	TYPE A	TYPE A	TYPE B	TYPE B	TOTAL				
UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	ACCESSIBLE UNITS				
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	PROVIDED				

	ACCESSIBLE PARKING (SECTION 1106)											
LOT OR PARKING	TOTAL # OF PA	RKING SPACES	# OF ACCESSI	TOTAL #								
AREA	REQUIRED PROVIDED		REGULAR WITH	VAN SPACES WITH		ACCESSIBLE						
			5' ACCESS	132" ACCESS	8' ACCESS	PROVIDED						
			AISLE	AISLE	AISLE							
TOTAL												

	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)												
J	USE WATERCLOSETS		URINALS	S LAVATORIES		SHOWERS	DRINKING FOUNTAINS						
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE		
	EXIST'G												
SPACE	NEW			2				2					
	REQ'D			2	0			2	0	0	0		

SPECIAL APPROVALS

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

ENERGY SUMMARY MECHANICAL SUMMARY **ENERGY REQUIREMENTS:** MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT 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 Thermal Zone method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design. winter dry bulb: Existing building envelope complies with code: [(If checked the remainder of this section is not applicable.) summer dry bulb: **Exempt Building:** Provide code or statutory reference: Interior design conditions winter dry bulb: ___ 5A 4A summer dry bulb: **Method of Compliance:** relative humidity: Energy Code Performance x Prescriptive **Building heating load:** ASHRAE 90.1 Performance Prescriptive Performance (specify source) Other **Building cooling load: Mechanical Spacing Conditioning System THERMAL ENVELOPE** (Prescriptive method only) Unitary Roof/ceiling Assembly (each assembly) description of unit: Description of assembly: heating efficiency: U-Value of total assembly: cooling efficiency: R-Value of insulation: R38 Batt Insulation size category of unit: Skylights in each assembly: Boiler U-Value of skylights: Size category. If oversized, state reason.: total s.f. of skylights in each assembly: Chiller Exterior Walls (each assembly) Size category. If oversized, state reason.: Description of assembly: List equipment efficiencies: U-Value of total assembly: R7.5 CI & R19 Batt Insulation R-Value of insulation: ELECTRICAL SUMMARY Openings (windows or doors with glazing) ELECTRICAL SYSTEM AND EQUIPMENT U-Value of assembly: Method of Compliance: Solar heat gain coefficient: Energy Code: Prescriptive Projection factor: ASHRAE 90.1: Performance Prescriptive Door R-Values: **Lighting Schedule** (each fixture type) Walls below grade (each assembly) lamp type required in fixture Description of assembly: number of lamps in fixture U-Value of total assembly: ballast type used in the fixture R-Value of insulation: number of ballasts in fixture Floors over unconditioned space (each assembly) total wattage per fixture Description of assembly: total interior wattage specified vs. allowed (whole bu U-Value of total assembly: total exterior wattage specified vs. allowed R-Value of insulation: **Additional Efficiency Package Options** (When using the 2018 NCECC; not required for £ 90.1) C406.2 More Efficient HVAC Equipms erformance Floors slab on grade Description of assembly:

	STI	TRUCTURAL DESIGN
DESIGN LOADS		
Importance Factors:	Wind (I_W)	_1
	Snow (I_s)	_1
	Seismic (I_E)	
Live Loads:	Roof	
	Mezzanine	125 psf
	Floor	psf
Ground Snow Load:		psf
Wind Load:	Basic Wind Speed	140 mph (ASCE-7)
	Exposure Category	<u> </u>
SEISMIC DESIGN CATEGO	PRY:	\square A \square B \square C \square D
Provide the following Seismic I	Design Parameters:	
Occupancy Category (Ta	ble 1604.5)	□ I
Spectral Response Accele	eration S_{s}	0.076 %g S_1 0.044 %g
Site Classification (ASCE	E-7)	\square B \square C \square D \square E \square F
Data S	ource: Field Tes	est X Presumptive Historical Data
Basic structural system (check one)	
x	Bearing wall	Dual w/Special Moment Frame
	Building Frame	Dual w/Intermediate R/C or Special Steel
	Moment Frame	Inverted Pendulum
Analysis Procedure:	Simplifie	
Architectural, Mechanica	al, Components ancho	ored? X Yes No
LATERAL DESIGN CONTR	OL: Earthquake	e Wind X
SOIL BEARING CAPACITI	ES:	

U-Value of total assembly:

Horizontal/vertical requirement:

Field Test (provide copy of test report)

Presumptive Bearing capacity

Pile size, type, and capacity

R-Value of insulation:

Slab heated:

118 West Woodhill Drive Nags Head, North Carolina 27959 P. 252.441.0271 F. 252.441.8724 E. office@obxarchitects.com

Project:	ABC Buxton
Project No:	22041
Location:	47290 Hwy 12 Buxton, NC
Title:	Appendix B
Date:	September 18, 2023

Scale:

Performance

C406.3 Reduced Lighting Power Density

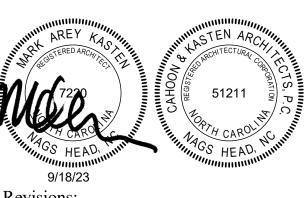
C406.5 On-Site Renewable Energy

C406.6 Dedicated Outdoor Air System

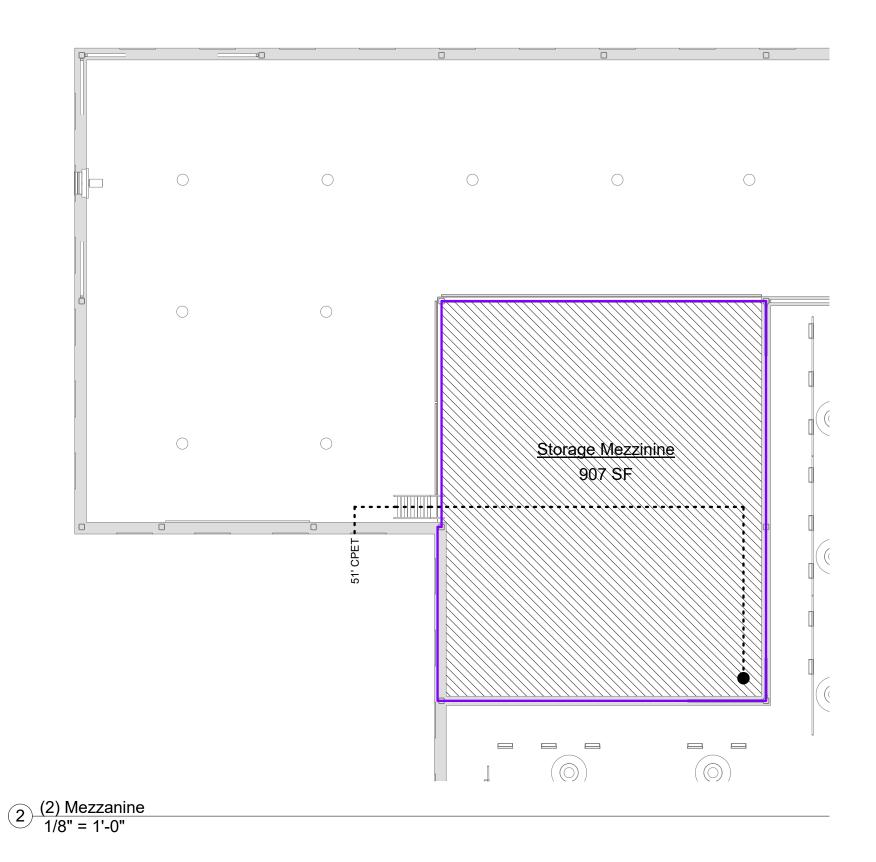
C406.4 Enhanced Digital Lighting Controls

C406.7 Reduced Energy Use in Service Water Heating

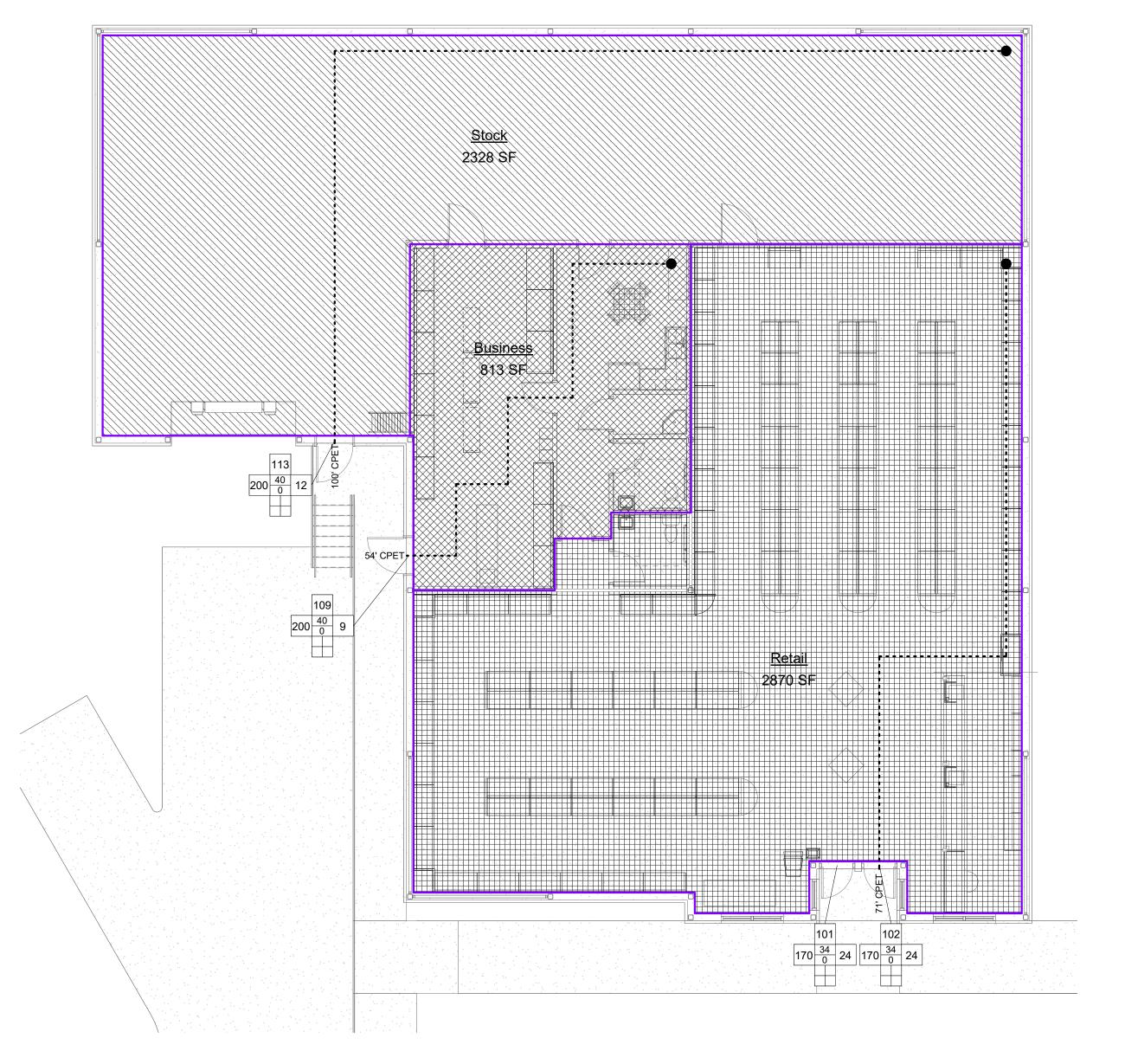
The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the



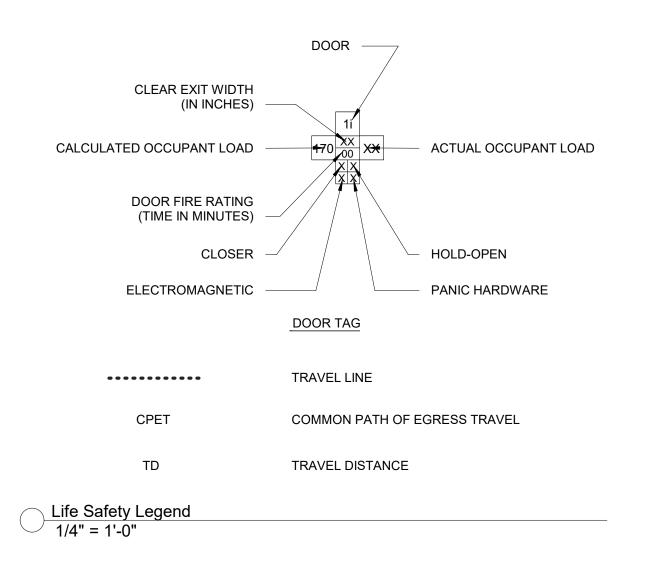
.1.	D. a suite ti a se	D-4-
No.	Description	Date



	Occupant Schedule										
Number	Name	Area	Occupancy	Occupancy S.F. Type	Area Per Occupant	Occupants					
2	Retail	2870 SF	Mercantile	Gross	60 SF	48					
3	Business	813 SF	Business Areas	Gross	100 SF	9					
4	Stock	2328 SF	Mercantile - Storage, Stock, Shipping Areas	Gross	300 SF	8					
5	Storage Mezzinine	907 SF	Mercantile - Storage, Stock, Shipping Areas	Gross	300 SF	4					
	•				•	69					



1 (1) First Floor 1/8" = 1'-0"





118 West Woodhill Drive
Nags Head, North Carolina 27959
P.252.441.0271 F.252.441.8724
E. office@obxarchitects.com

Project No: 22041

Location: 47290 Hwy 12
Buxton, NC

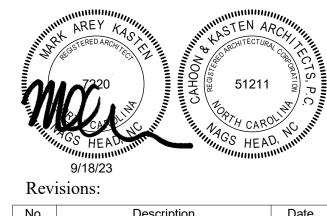
Title: Life Safety Plans

Date: September 18, 2023

As indicated

Project: ABC Buxton

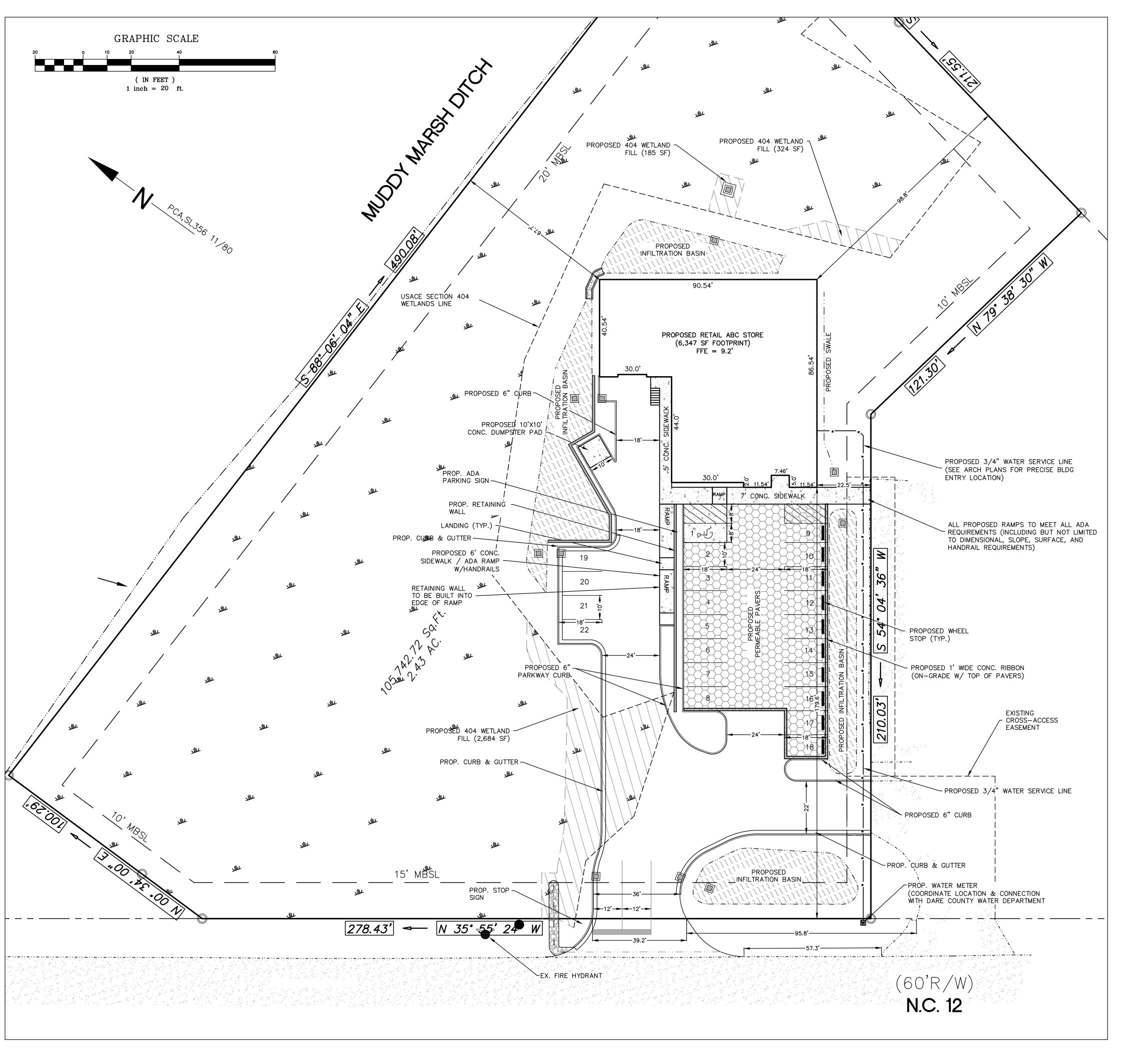
The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the



Designed: MAK

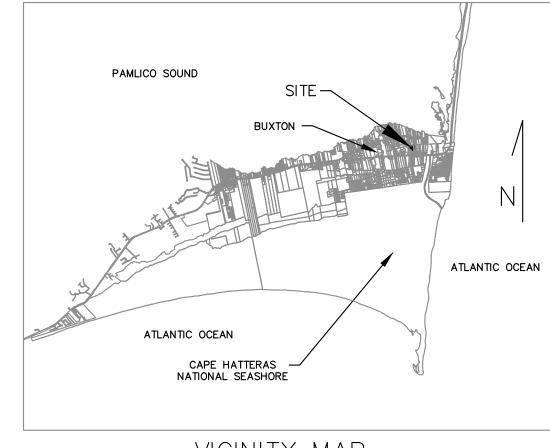
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SITE PLAN - DARE ABC BUXTON.DWG

2/22/2012



VICINITY MAP NOT TO SCALE

1. OWNER / APPLICANT: DARE COUNTY ABC BOARD P.O. BOX 1879 NAGS HEAD, NC 27959

- SITE ADDRESS: 47290 NC HWY 12, BUXTON, NC RECORDED REFERENCE: DB 2588 PG 137 PIN NO. 053719503261
- 3. TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN ON PLAN BASED ON SURVEY BY BARNETTE INTEGRATED LAND DEVELOPMENT DATED 12/9/2021. ELEVATION DATUM NAVD 1988.
- 4. F.I.R.M. ZONE: "AE" (B.F.E. = 6.0') (R.F.P.E. = 8.0')
- 5. ZONE: C-3 COMMERCIAL PROPOSED USE: RETAIL
- 6. SCOPE OF PROJECT: THE DARE ABC BOARD PROPOSES TO CONSTRUCT A NEW RETAIL SITE IN BUXTON ALONG WITH ASSOCIATED PARKING, STORMWATER, AND UTILITY INFRASTRUCTURE.
- 7. PROPOSED BUILDING WILL BE SINGLE STORY
- 8. A USACE FILL PERMIT WILL BE OBTAINED PRIOR TO ANY WORK LOCATED WITHIN USACE JURISDICTIONAL
- 9. PARKING: 1 SP/200 SF RETAIL AREA \times 2,409 SF = 13 SPACES

1 SP/EMPLOYEE x 3 EMPLOYEES = 3 SPACES (ACCOUNTS FOR WAREHOUSE AREA)

TOTAL PARKING REQUIRED: 16 SPACES PARKING PROVIDED:

10. LOT COVERAGE: PARCEL AREA = 105,743 SF (2.43 AC)

TOTAL IMPERVIOUS =

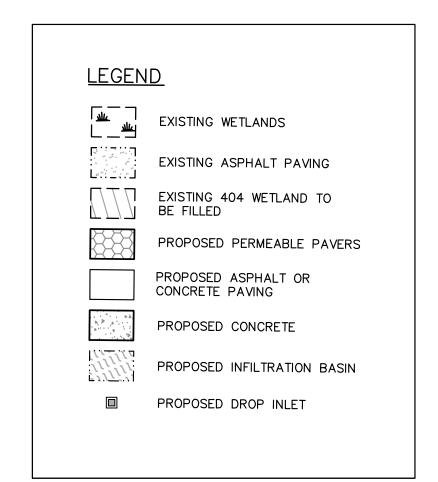
IMPERVIOUS COVERAGE: PROPOSED BUILDING = PROPOSED SIDEWALK =

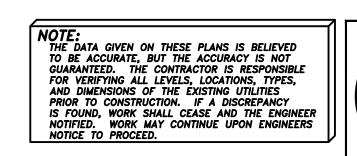
6,347 SQ.FT. 1,225 SQ.FT. PROPOSED CONC/ASPHALT TRAVEL AISLE = 9,625 SQ.FT. 5,047 SQ.FT. 182 SQ.FT. PROPOSED PERMÉABLE PAVERS = PROPOSED MISC. COVERAGE = FUTURE MISC. COVERAGE =

600 SQ.FT. 23,026 SQ.FT. (21.8%) (60% ALLOWABLE)

11. SITE LIGHTING: PLEASE SEE ARCHITECTURAL PLANS FOR SITE LIGHTING

SIGNAGE WILL BE PERMITTED SEPARATELY. SIGNAGE PLAN WILL BE SUBMITTED WITH SEPARATE SIGNAGE PERMIT APPLICATION.

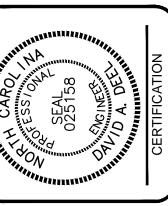


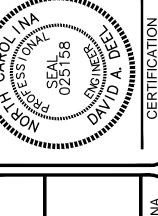




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ISSUED FOR PERMITTING	REVISED FFE PER DARE CO. COMMENT			REVISIONS	
/22/22	/15/22			DATE	

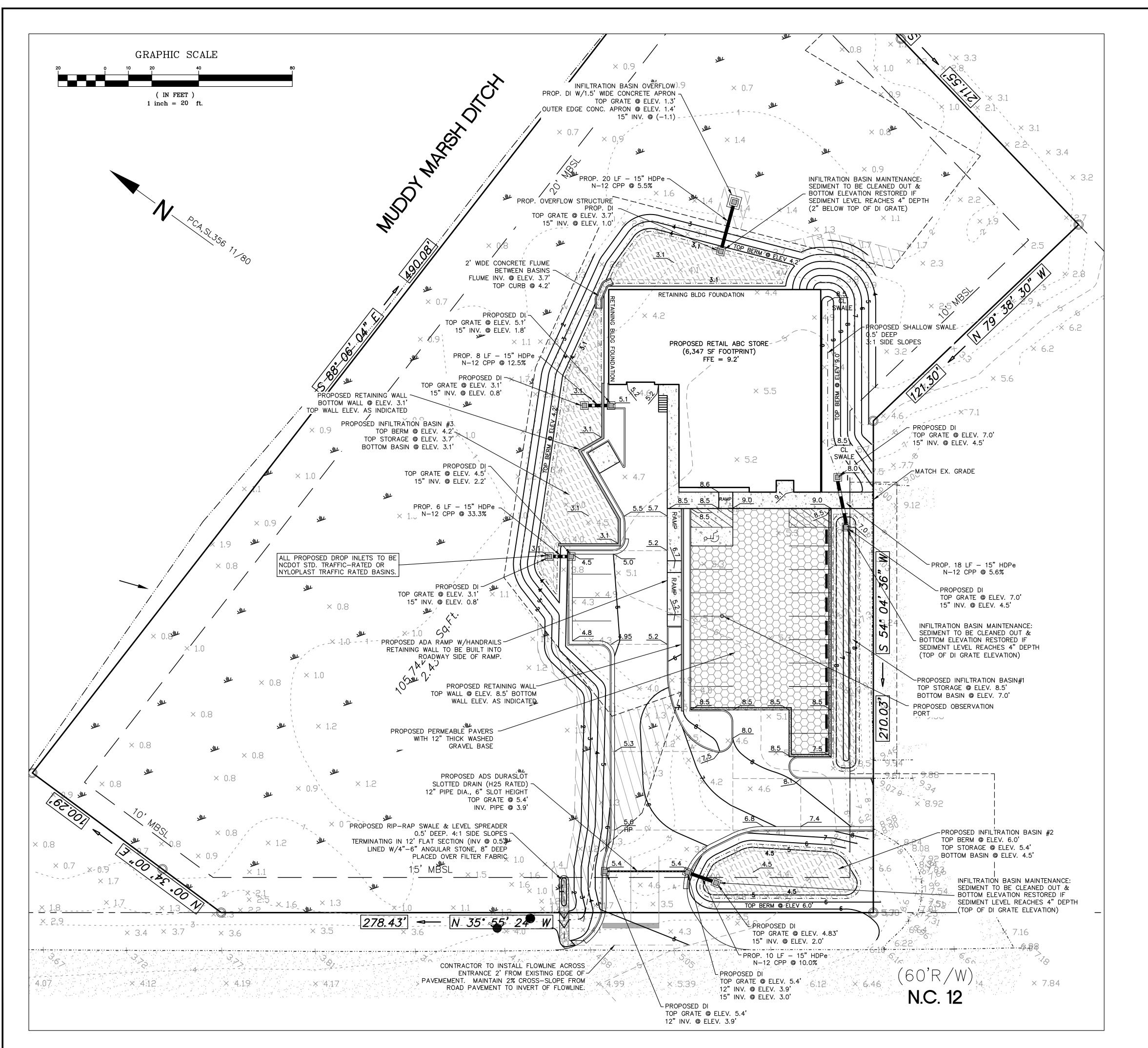


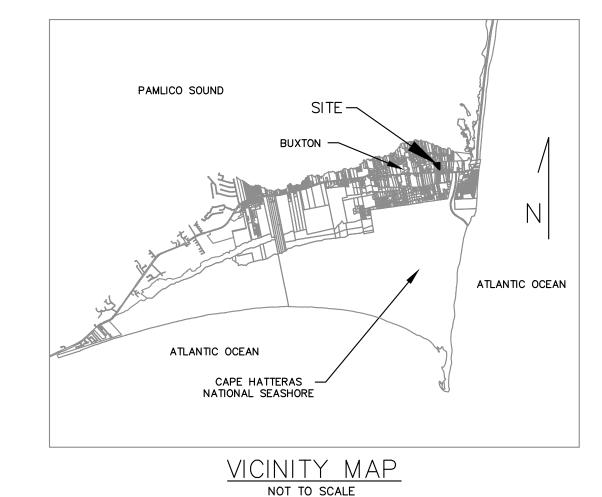


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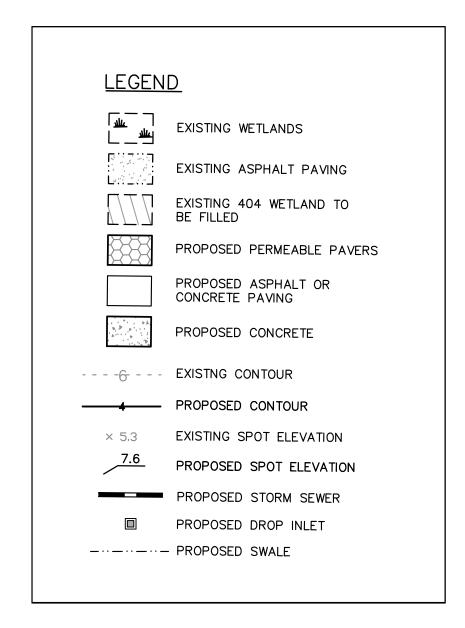


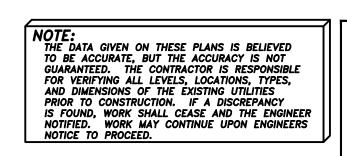
SITE NOTES:

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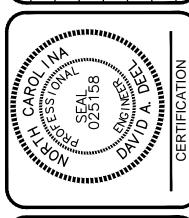


DEEL ENGINEERING, PLLC

CIVIL ENGINEERING SERVICES
FIRM LICENSE P-1045
1004 WEST FIFTH STREET
KILL DEWL HILLS, NC 27948

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ENGINEERING, PLLC, WILL BE A
VIOLATION OF COPYRIGHT LAW.

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11/22/22	2 12/15/22			DATE	
	7			NO.	

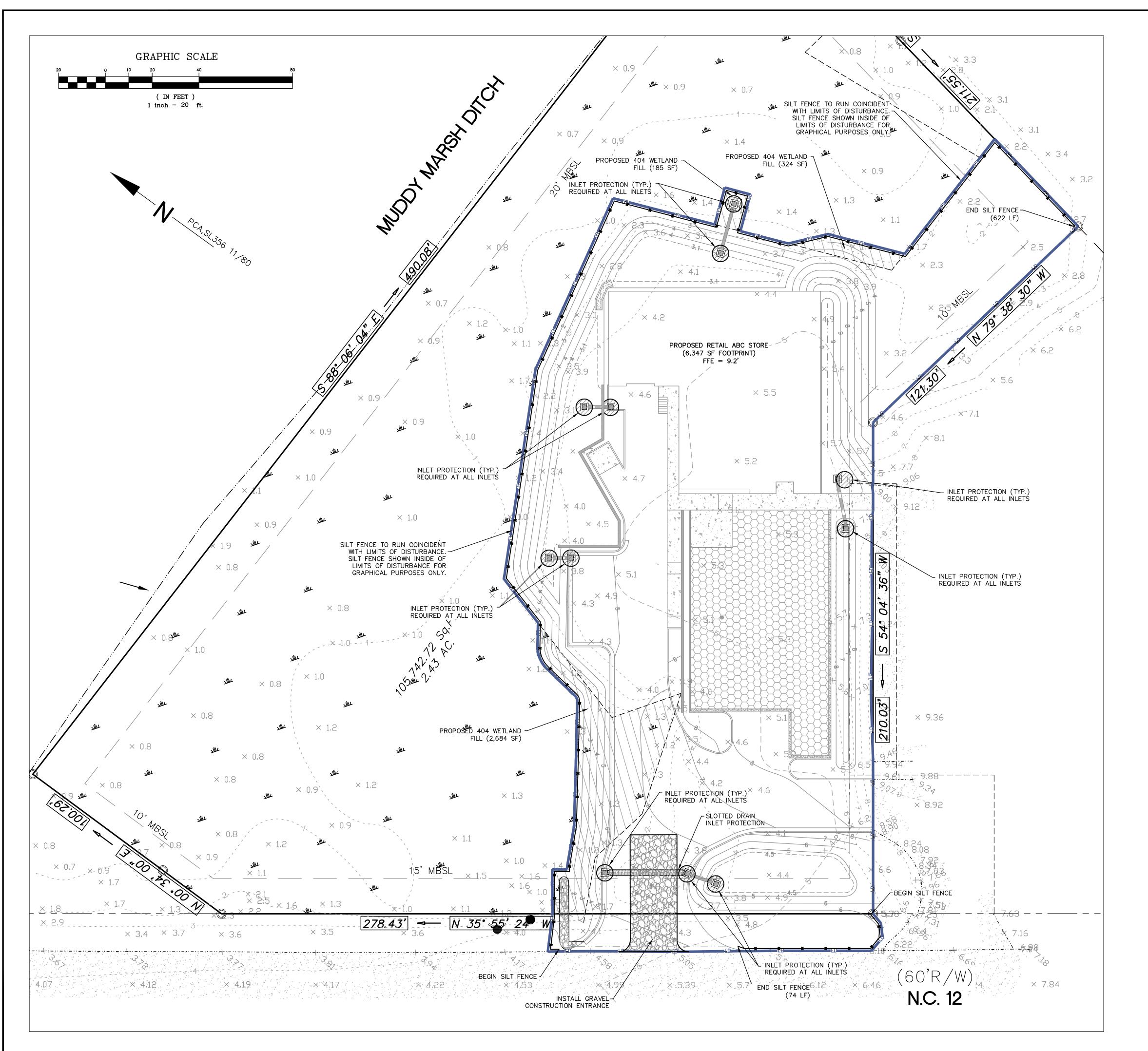


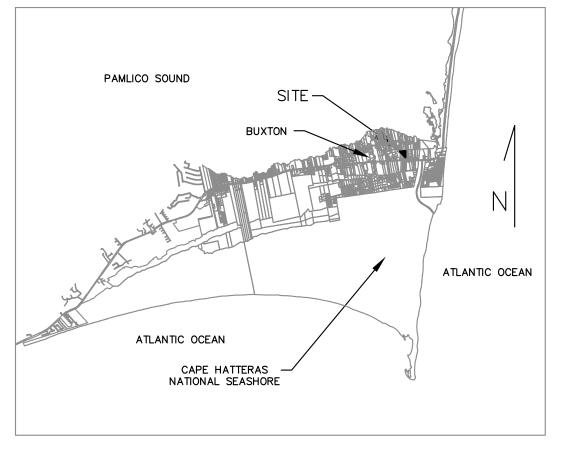
DING PLAN C RETAIL - BUXTON HWY 12, BUXTON, NC

GRADING
DARE ABC RETA
47290 NC HWY 12

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CHECKED BY
DAD
ISSUE DATE

SHEET NO.





VICINITY MAP NOT TO SCALE

SITE NOTES:

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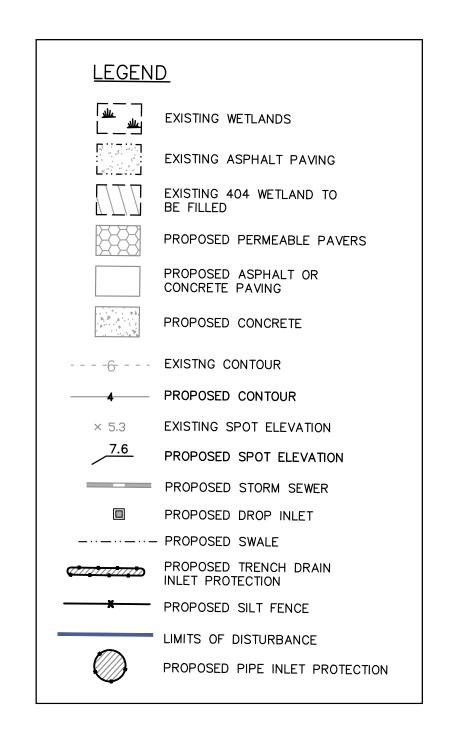
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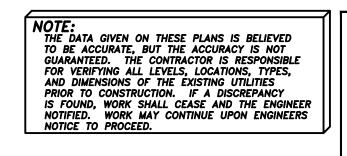
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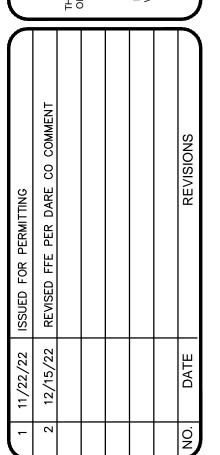
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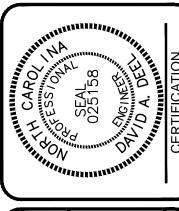






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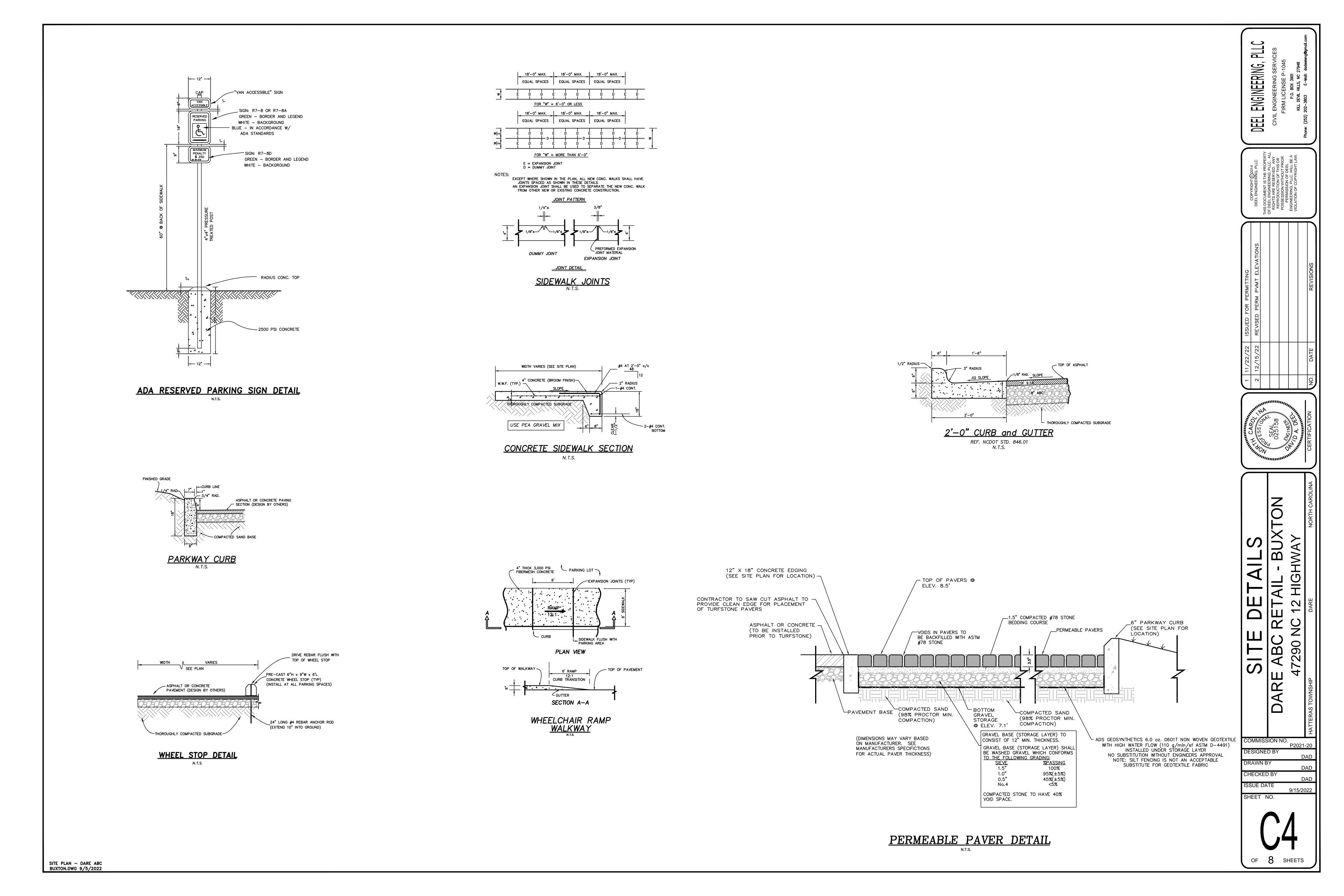
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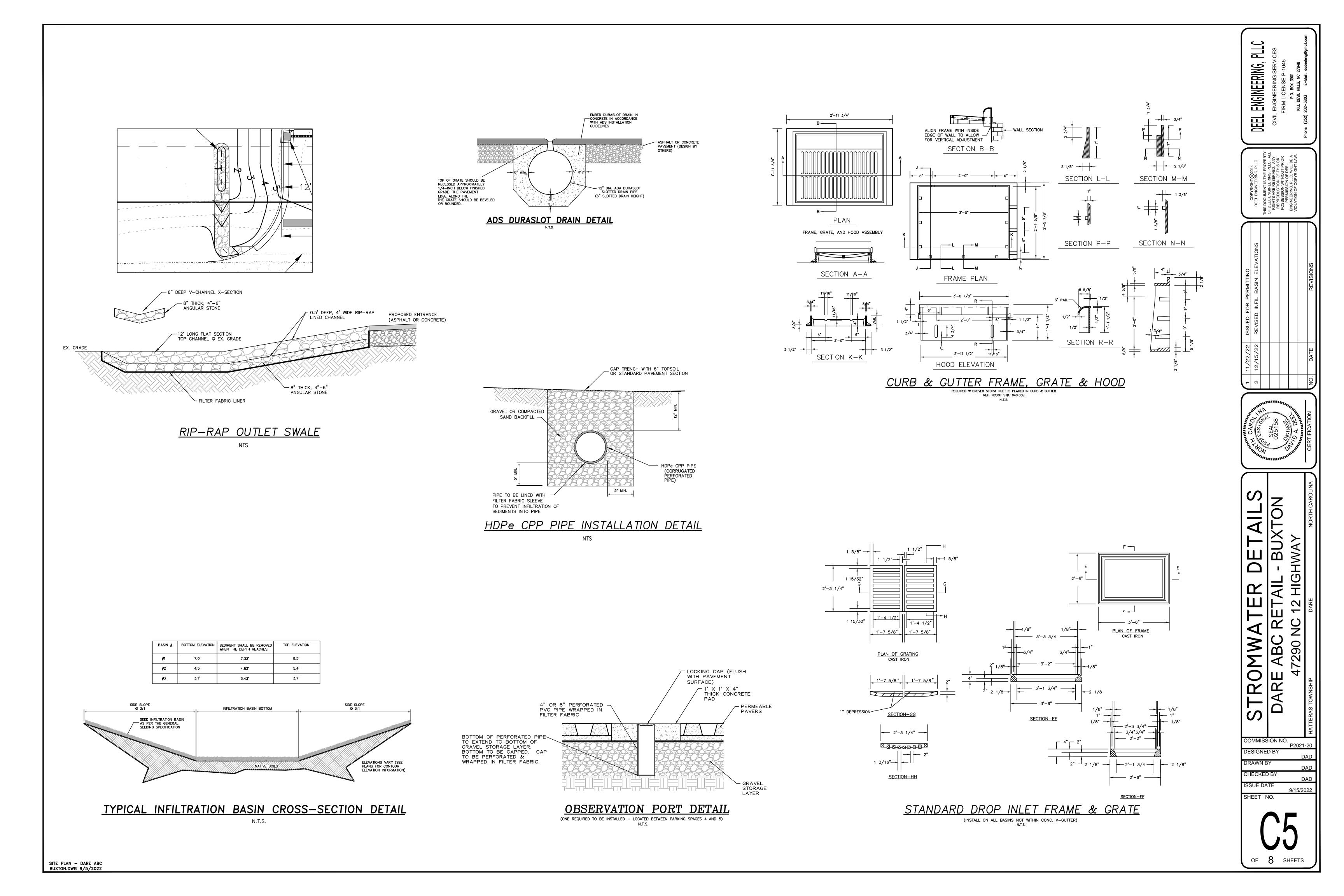
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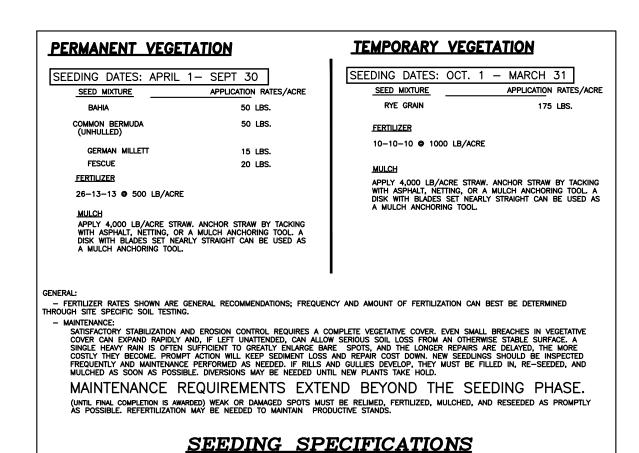
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SOIL EROSION & SEDIMENTATION CONTROL PLAN NOTES:

1. SOIL EROSION & SEDIMENT CONTROL PLAN NOTES;

a.) AREA TO BE DISTURBED: ±47,823 sq.ft. – ± 1.10 ac.
b.) PROVIDE A GROUNDCOVER (TEMPORARY OR PERMANENT) ON ALL SLOPES 3:1 OR STEEPER WITHIN 7 CALENDAR DAYS AND ALL SLOPES FLATTER THAN 3:1 WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. PROVIDE A PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT c.) IF LAND DISTURBING ACTIVITIES OCCUR OUTSIDE THE PERMANENT VEGETATION SEEDING DATES (APR. 1— SEP.30) THEN TEMPORARY VEGETATION SEEDING SPECIFICATIONS SHALL BE FOLLOWED FOR PLANTING UNTIL THE NEXT APPROPRIATE PERMANENT SEEDING PERIOD, AT WHICH TIME PERMANENT VEGETATION SHALL BE ESTABLISHED ACCORDING TO PERMANENT VEGETATION SEEDING SPECIFICATIONS (SEE PERM. & TEMP. SEEDING SPECIFICATIONS ON

d.) IF EXCESSIVE WIND EROSION OR STORMWATER RUNOFF EROSION DEVELOPS DURING TIME OF CONSTRUCTION ANY LOCATION ON THE PROJECT SITE, ADDITIONAL SILT FENCING OR OTHER MEASURES SHALL BE INSTALLED AS DIRECTED BY ENGINEER SO AS TO PREVENT DAMAGE TO ADJACENT PROPERTY. SEE SILT FENCE DETAIL ON THIS SHEET.

e.) SOIL EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSPECTED WEEKLY AND AFTER ANY SIGNIFICANT RAINFALL PRODUCING EVENT AND SHALL BE MAINTAINED AND REPAIRED AS NECESSARY UNTIL PERMANENT CONTROLS ARE ESTABLISHED.

f.) DURING THE CONSTRUCTION PROCESS, NO STAGING OF EQUIPMENT, PARKING, OR UNLOADING OF MATERIALS SHALL OCCUR ON NC12 OR ADJOINING PROPERTIES. THE 20' EASEMENT THAT SERVES AS ACCESS TO OTHER PROPERTIES BEYOND THE FIRE DEPARTMENT SITE SHOULD REMAIN UNBLOCKED DURING CONSTRUCTION ACTIVITIES AS MUCH AS PRACTICABLE.

g.) CONSTRUCTION SCHEDULE: OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS.

FLAG AND/OR ROUGH STAKE WORK LIMITS. HOLD PRÉCONSTRUCTION CONFERENCE (OWNER, CONTRACTOR, ENGINEER, AND APPROPRIATE GOVERNMENT OFFICIALS) AT LEAST ONE WEEK PRIOR TO START OF

CONSTRUCTION ACTIVITIES. 4) INSTALL SILT FENCING AND ORANGE CONSTRUCTION FENCING @ LOCATIONS SHOWN ON

5) COMPLETE CLEARING AND GRUBBING PROCEDURES. REMOVE ANY REMAINING BUILDING FOUNDATION, CONCRETE PAVEMENT, OR ASPHALT PAVEMENT FROM THE SITE. DEMOLITION DEBRIS SHALL BE DISPOSED OF LEGALLY WITH A LICENSED HAULER. GRADE SITE ACCORDING TO PLAN

INSTALL INFILTRATION BASINS AND STORM SEWER. DROP INLETS TO BE PROTECTED WITH INLET PROTECTION UNTIL CONTRIBUTING DRAINAGE AREAS ARE STABILIZED. PIPE ENDS AT INFILTRATION BASINS SHALL BE PROTECTED WITH OUTLET PROTECTION.

8) PERMEABLE PAVEMENT SUBGRADE TO BE GRADED IN DRY CONDITIONS. WHEN CONSTRUCTION TRAFFIC IS NO LONGER REQUIRED TO NAVIGATE PERMEABLE PAVEMENT AREA, INSTALL PERMEABLE PAVEMENT GRAVEL BASE. BASE LAYER TO BE PROTECTED FROM SEDIMENT AT ALL TIMES. CONSTRUCTION TRAFFIC TO BE RESTRICTED FROM PERMEABLE PAVEMENT ARE ONCE BASE IS INSTALLED. (AREA TO BE DEFINED BY CONTRACTOR AND CLEARLY DEMARCATED UTILIZING BARRIERS/CONES/TAPE). INSTALLATION OF PERMEABLE PAVEMENT SHALL NOT TAKE PLACE UNTIL ALL EARTHWORK ACTIVITIES AND ALL HEAVY BUILDING CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. INSTALLED PERMEABLE PAVEMENT SHALL BE PROTECTED FROM SEDIMENT AND FROM HEAVY

CONSTRUCTION EQUIPMENT AT ALL TIMES. 9) ALL EROSION & SEDIMENTATION CONTROL PRACTICES WILL BE INSPECTED WEEKLY

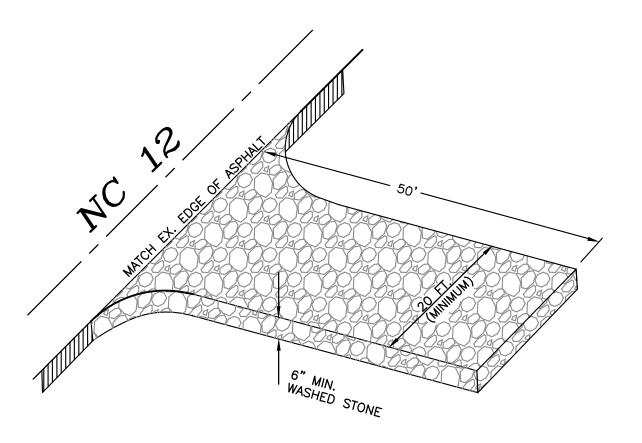
BRING IT INTO COMPLIANCE WITH THE 50 IN/HR REQUIREMENT.

AND AFTER HEAVY RAINFALL EVENTS. NEEDED REPAIRS WILL BE MADE IMMEDIATELY. 10) ONCE SITE IS FULLY STABILIZED; REMOVE SILT FENCE, REMOVE INLET PROTECTION, CLEAN STORM SEWER OF ANY SEDIMENT, FINE-GRADE AND SEED OR LANDCSCAPE INFILTRATION

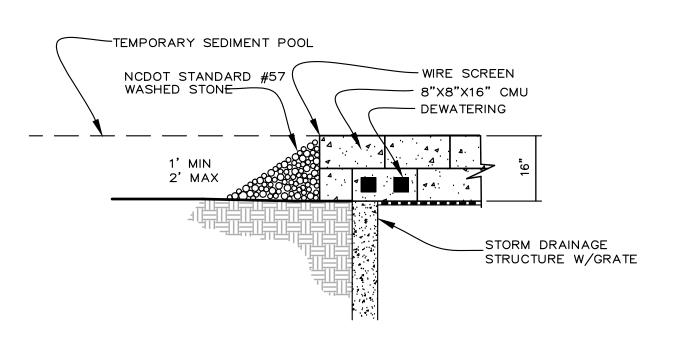
11) ONCE SITE IS FULLY STABILIZED, PERFORM IN-SITU TESTING ON PERMEABLE PAVEMENT UTILIZING NCSU SIMPLIFIED SURFACE INFILTRATION TESTING PROTOCOL TO DOCUMENT A MINIMUM SURFACE INFILTRATION RATE OF 50 IN/HR. IF 50 IN/HR IS NOT ACHIEVED, THE CONTRACTOR SHALL PERFORM REMEDIATION ON THE PERMEABLE PAVEMENT SYSTEM TO



NOTE:
THE DATA GIVEN ON THESE PLANS IS BELIEVED TO BE ACCURATE, BUT THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL LEVELS, LOCATIONS, TYPES, AND DIMENSIONS OF THE EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND, WORK SHALL CEASE AND THE ENGINEER NOTIFIED. WORK MAY CONTINUE UPON ENGINEERS NOTICE TO PROCEED.



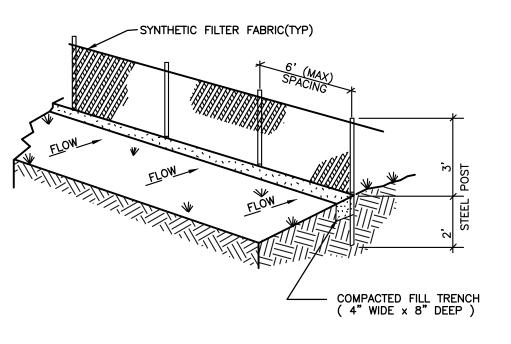
GRAVEL CONSTRUCTION ENTRANCE/EXIT DETAIL



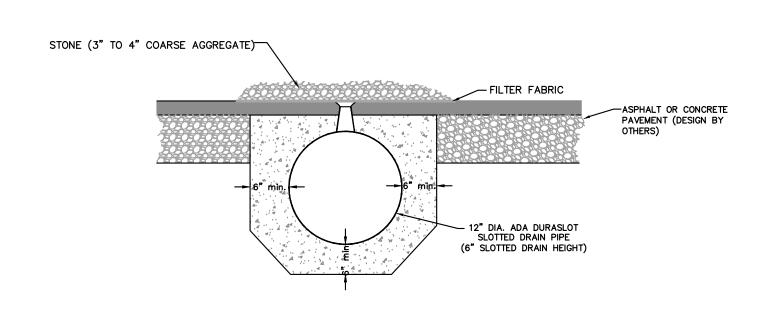
INLET PROTECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NC EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, (LATEST EDITION) SECTION 6.52.

INLET PROTECTION SHALL BE PROVIDED AT ALL DROP INLETS, CURB INLETS YARD INLETS AND ANY OTHER STORMWATER COLLECTION INLET.

INLET PROTECTION



SILT FENCE DETAIL



SLOTTED DRAIN INLET PROTECTION DETAIL



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SHEET NO.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect (during normal business hours)		Inspection records must include:				
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.				
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	 Identification of the measures inspected, Date and time of the inspection, Name of the person performing the inspection, Indication of whether the measures were operating properly, Description of maintenance needs for the measure, Description, evidence, and date of corrective actions taken. 				
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	 Identification of the discharge outfalls inspected, Date and time of the inspection, Name of the person performing the inspection, Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, Indication of visible sediment leaving the site, Description, evidence, and date of corrective actions taken. 				
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	 If visible sedimentation is found outside site limits, then a record of the following shall be made: Actions taken to clean up or stabilize the sediment that has left the site limits, Description, evidence, and date of corrective actions taken, and An explanation as to the actions taken to control future releases. 				
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.				
(6) Ground stabilization measures	After each phase of grading	 The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible. 				

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III **SELF-INSPECTION, RECORDKEEPING AND REPORTING**

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements				
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.				
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.				
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.				
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.				
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.				

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
- (b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

PART III SELF-INSPECTION. RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.



Know what's **below**. Call before you dig.

(b) Oil spills if:

- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume)

(c) Releases of hazardous substances in excess of reportable quantities under Section 311 the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.

- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements			
(a) Visible sediment deposition in a stream or wetland	 Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions. 			
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.			
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.			
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	 Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass. 			
(e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(I)(7)]	 Within 24 hours, an oral or electronic notification. Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6). Division staff may waive the requirement for a written report on a case-by-case basis. 			

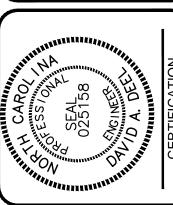
NOTES & DETAILS ON THIS SHEET PROVIDED BY NCDEQ

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

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	ISSUED FOR PERMITTING				REVISIONS
	1 11/22/22				DATE
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GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

	Required Ground Stabilization Timeframes							
Site Area Description		Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations					
(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None					
(b)	High Quality Water (HQW) Zones	7	None					
(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed					
(d)	Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed					
(e)	Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope					

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Temporary Stabilization

• Temporary grass seed covered with straw or

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

 Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Rolled erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	 Fermanent grass seed covered with straw of other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or
	 Structural methods such as concrete, asphalt or retaining walls
	Rolled erosion control products with grass seed

Permanent Stabilization

Permanent grass seed covered with straw or

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- 1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- 2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- 3. Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- 4. Provide ponding area for containment of treated Stormwater before discharging
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- 1. Maintain vehicles and equipment to prevent discharge of fluids.
- 2. Provide drip pans under any stored equipment.
- 3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- 5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- 6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- 1. Never bury or burn waste. Place litter and debris in approved waste containers.
- 2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- waters unless no other alternatives are reasonably available. Locate waste containers on areas that do not receive substantial amounts of runoff

3. Locate waste containers at least 50 feet away from storm drain inlets and surface

- from upland areas and does not drain directly to a storm drain, stream or wetland.
- 5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- 6. Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

- 1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- 2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- 5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

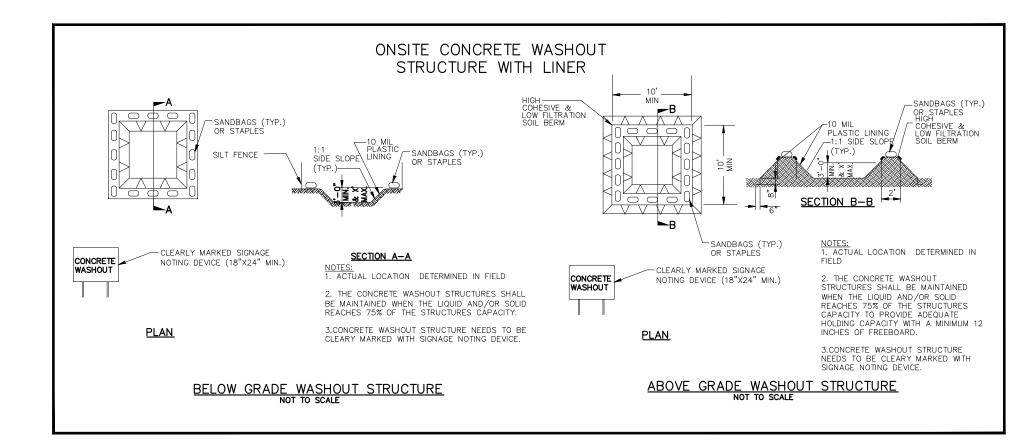
PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

I EARTHEN STOCKPILE MANAGEMENT

- 1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

NOTES & DETAILS ON THIS SHEET PROVIDED BY NCDEQ



CONCRETE WASHOUTS

- 1. Do not discharge concrete or cement slurry from the site.
- 2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- 3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- 4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- 6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- 8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- 9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

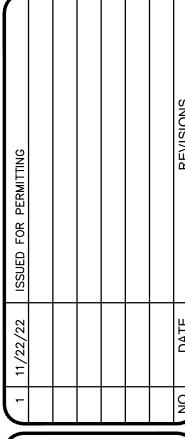
- 1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- 2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- 3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

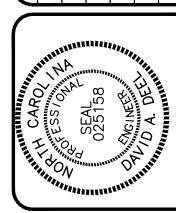
HAZARDOUS AND TOXIC WASTE

- 1. Create designated hazardous waste collection areas on-site.
- 2. Place hazardous waste containers under cover or in secondary containment.
 - Do not store hazardous chemicals, drums or bagged materials directly on the ground.

EFFECTIVE: 04/01/19

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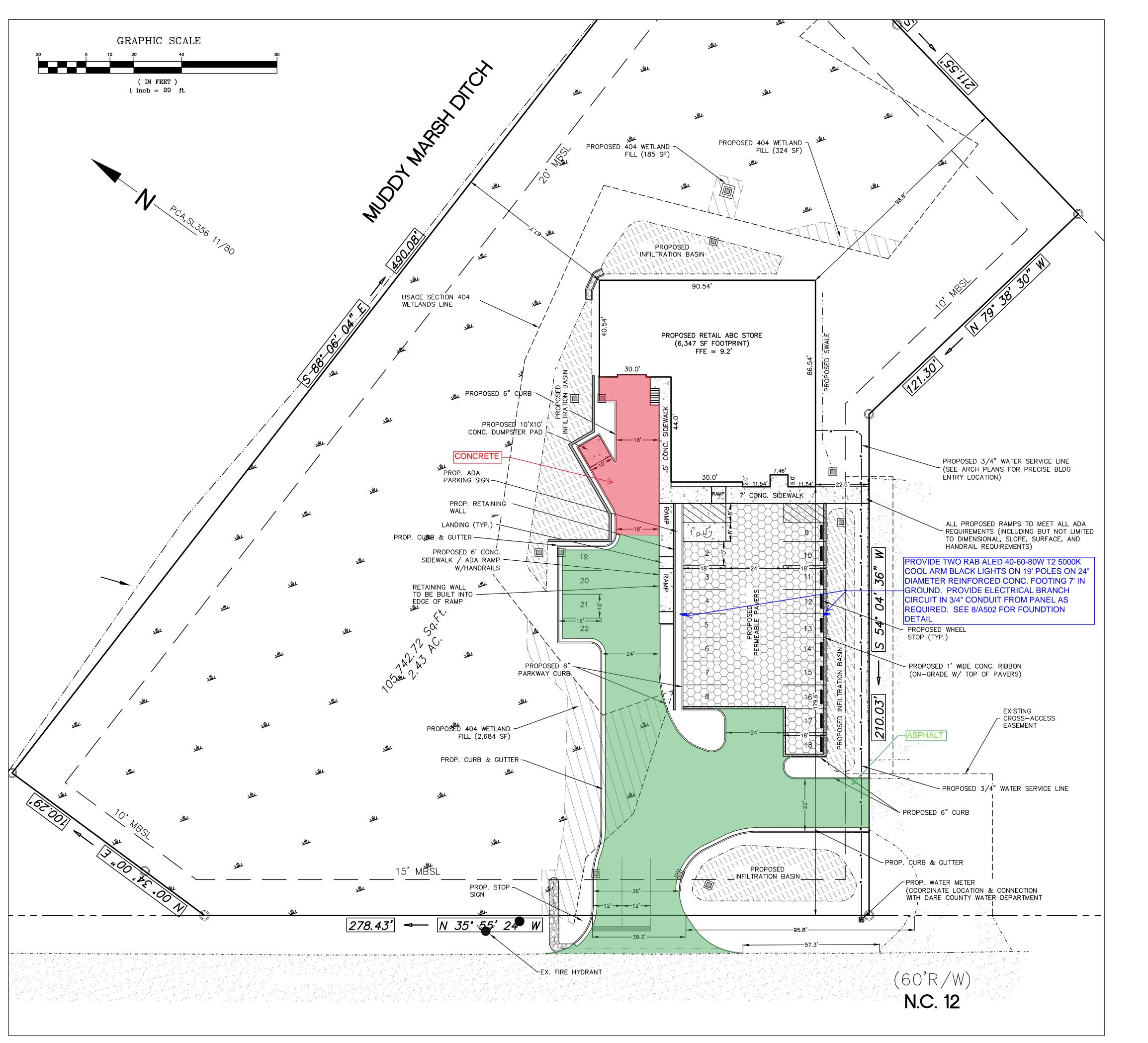


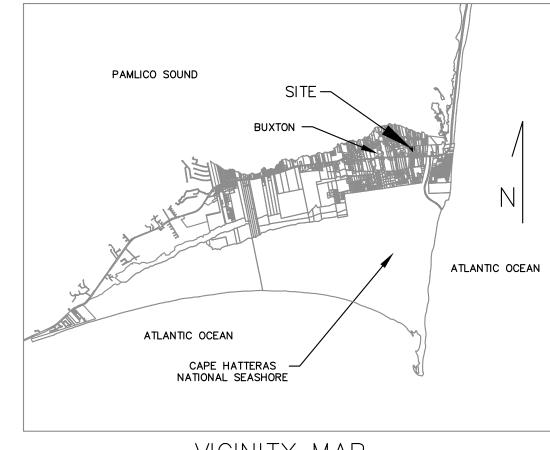


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VICINITY MAP NOT TO SCALE

SITE NOTES:

DARE COUNTY ABC BOARD P.O. BOX 1879 OWNER / APPLICANT:

SITE ADDRESS: 47290 NC HWY 12, BUXTON, NC RECORDED REFERENCE: DB 2588 PG 137 PIN NO. 053719503261

3. TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN ON PLAN BASED ON SURVEY BY BARNETTE

NAGS HEAD, NC 27959

INTEGRATED LAND DEVELOPMENT DATED 12/9/2021. ELEVATION DATUM NAVD 1988.

4. F.I.R.M. ZONE: "AE" (B.F.E. = 6.0') (R.F.P.E. = 8.0')

5. ZONE: C-3 COMMERCIAL PROPOSED USE: RETAIL

6. SCOPE OF PROJECT: THE DARE ABC BOARD PROPOSES TO CONSTRUCT A NEW RETAIL SITE IN BUXTON ALONG WITH ASSOCIATED PARKING, STORMWATER, AND UTILITY INFRASTRUCTURE.

7. PROPOSED BUILDING WILL BE SINGLE STORY

8. A USACE FILL PERMIT WILL BE OBTAINED PRIOR TO ANY WORK LOCATED WITHIN USACE JURISDICTIONAL

9. PARKING: 1 SP/200 SF RETAIL AREA \times 2,409 SF = 13 SPACES

1 SP/EMPLOYEE x 3 EMPLOYEES = 3 SPACES (ACCOUNTS FOR WAREHOUSE AREA)

TOTAL PARKING REQUIRED: 16 SPACES PARKING PROVIDED:

10. LOT COVERAGE: PARCEL AREA = 105,743 SF (2.43 AC)

IMPERVIOUS COVERAGE: PROPOSED BUILDING = PROPOSED SIDEWALK =

6,347 SQ.FT. 1,225 SQ.FT. PROPOSED CONC/ASPHALT TRAVEL AISLE = 9,625 SQ.FT. PROPOSED PERMEABLE PAVERS = 5,047 SQ.FT. 182 SQ.FT. PROPOSED MISC. COVERAGE =

FUTURE MISC. COVERAGE = 600 SQ.FT. TOTAL IMPERVIOUS = 23,026 SQ.FT. (21.8%) (60% ALLOWABLE)

SIGNAGE WILL BE PERMITTED SEPARATELY. SIGNAGE PLAN WILL BE SUBMITTED WITH

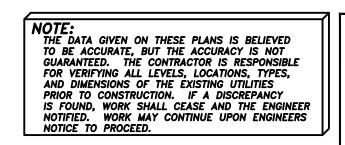
11. SITE LIGHTING: PLEASE SEE ARCHITECTURAL PLANS FOR SITE LIGHTING

SEPARATE SIGNAGE PERMIT APPLICATION.

<u>LEGEND</u> EXISTING WETLANDS EXISTING ASPHALT PAVING EXISTING 404 WETLAND TO BE FILLED PROPOSED PERMEABLE PAVERS PROPOSED ASPHALT OR CONCRETE PAVING PROPOSED CONCRETE

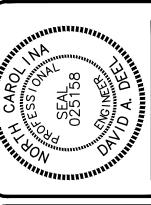
PROPOSED INFILTRATION BASIN

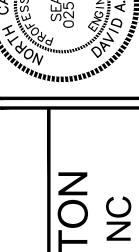
PROPOSED DROP INLET





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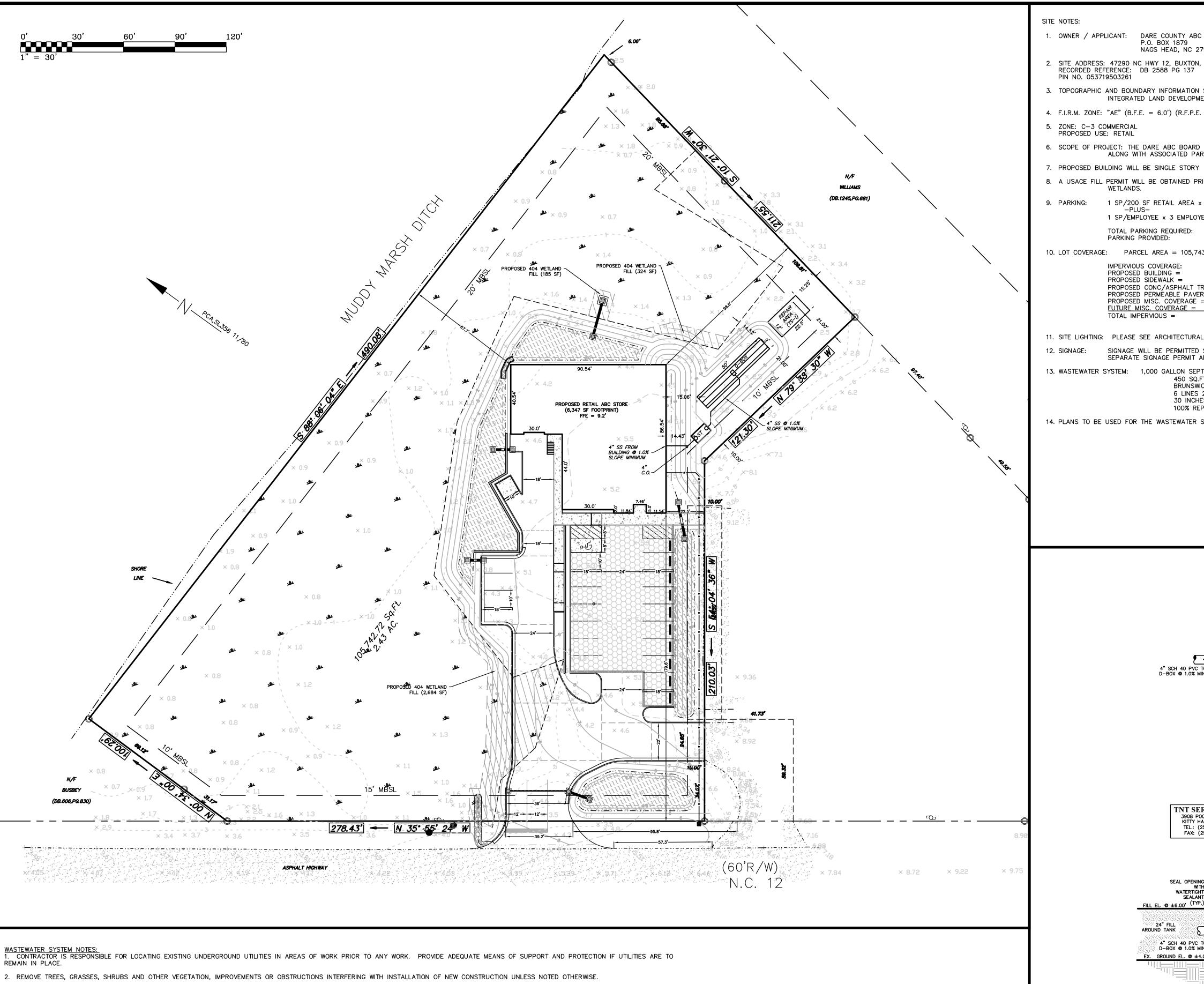


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CHECKED BY SSUE DATE

SITE PLAN - DARE ABC BUXTON.DWG 2/22/2012



- 3. ACTIVE WASTEWATER SYSTEM: DESIGN FLOW: 300 GPD LONG TERM APPLICATION RATE (LTAR): 1.0 GPD/SQ.FT. FOR A BRUNSWICK BED IN FILL SYSTEM.
- 4. UNLESS OTHERWISE INDICATED ON THE PLAN, CONSTRUCTION OF SEWAGE COLLECTION, TREATMENT AND DISPOSAL SYSTEM IS TO CONFORM WITH SECTION .1900 "LAWS AND RULES FOR SEWAGE TREATMENT AND DISPOSAL SYSTEMS" OF NORTH CAROLINA ADMINISTRATIVE CODE, DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF ENVIRONMENTAL HEALTH, ON-SITE WASTEWATER SECTION (15 NCAC 18A.1900).
- 5. CONSTRUCTION OF SEWAGE COLLECTION SYSTEM, TREATMENT AND DISPOSAL SYSTEM IS TO CONFORM WITH ANY CONDITIONS IMPOSED BY THE LOCAL HEALTH DEPARTMENT.
- 6. MATERIAL USED FOR COLLECTION AND DISPOSAL SYSTEM SHALL CONFORM WITH SAME REQUIREMENTS AS #4 ABOVE.
- 7. FILL MATERIAL SHALL HAVE SUCH SOIL TEXTURE TO BE CLASSIFIED AS SAND OR LOAMY SAND (SOIL GROUP I) UP TO THE TOP OF THE NITRIFICATION TRENCHES. THE FINAL SIX INCHES OF FILL USED TO COVER THE SYSTEM SHALL HAVE A FINER TEXTURE (SUCH AS GROUP II, III) FOR THE ESTABLISHMENT OF A VEGETATIVE COVER. THE FILL MATERIAL AND THE EXISTING SOIL SHALL BE MIXED TO A DEPTH OF SIX INCHES BELOW THE INTERFACE. HEAVY VEGETATIVE COVER OR ORGANIC LITTER SHALL BE REMOVED BEFORE THE FILL MATERIAL IS INCORPORATED.
- 8. WELL POINTS AND PUMPS SHALL BE SUFFICIENT IN SIZE AND SPACING TO DRAW DOWN WATER TABLE TWO TO THREE FEET BELOW REQUIRED EXCAVATION FOR SEPTIC AND PUMP TANKS.
- 9. GRADES SHALL BE ESTABLISHED TO DIVERT RUNOFF AWAY FROM TANKAGE. FINAL GROUND ELEVATION ABOVE TANK SHALL BE AS INDICATED ON THE DETAIL SHEETS.
- 10. ALL SURFACE RUNOFF SHALL BE DIVERTED AROUND AND AWAY FROM THE DRAINFIELD AREA. FINISH GRADE SHALL BE LANDSCAPED TO PREVENT PONDING OF SURFACE WATER. VEGETATE DRAINFIELD AREA AS SPECIFIED IN LANDSCAPE PLAN (BY OTHERS).

Know what's **below**. **Call** before you dig.

SITE NOTES:

1. OWNER / APPLICANT: DARE COUNTY ABC BOARD P.O. BOX 1879 NAGS HEAD, NC 27959

2. SITE ADDRESS: 47290 NC HWY 12, BUXTON, NC RECORDED REFERENCE: DB 2588 PG 137 PIN NO. 053719503261

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6. SCOPE OF PROJECT: THE DARE ABC BOARD PROPOSES TO CONSTRUCT A NEW RETAIL SITE IN BUXTON ALONG WITH ASSOCIATED PARKING, STORMWATER, AND UTILITY INFRASTRUCTURE.

8. A USACE FILL PERMIT WILL BE OBTAINED PRIOR TO ANY WORK LOCATED WITHIN USACE JURISDICTIONAL

1 SP/200 SF RETAIL AREA x 2,409 SF = 13 SPACES 9. PARKING:

-PLUS-1 SP/EMPLOYEE x 3 EMPLOYEES = 3 SPACES (ACCOUNTS FOR WAREHOUSE AREA)

TOTAL PARKING REQUIRED: 16 SPACES PARKING PROVIDED: 22 SPACES

10. LOT COVERAGE: PARCEL AREA = 105,743 SF (2.43 AC)

IMPERVIOUS COVERAGE: PROPOSED BUILDING = PROPOSED SIDEWALK = 1,225 SQ.FT. PROPOSED CONC/ASPHALT TRAVEL AISLE = 9,625 SQ.FT.

PROPOSED PERMEABLE PAVERS = 5,047 SQ.FT. PROPOSED MISC. COVERAGE = 182 SQ.FT. 600 SQ.FT. FUTURE MISC. COVERAGE = TOTAL IMPERVIOUS = 23,026 SQ.FT. (21.8%) (60% ALLOWABLE)

11. SITE LIGHTING: PLEASE SEE ARCHITECTURAL PLANS FOR SITE LIGHTING

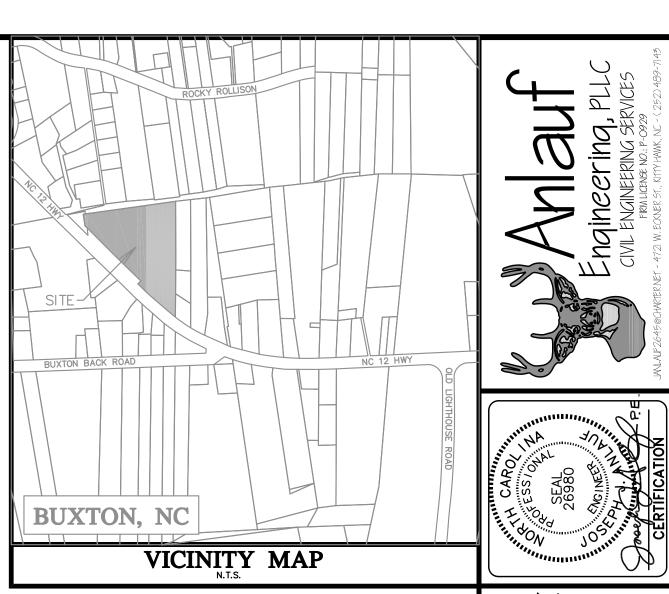
SIGNAGE WILL BE PERMITTED SEPARATELY. SIGNAGE PLAN WILL BE SUBMITTED WITH 12. SIGNAGE: SEPARATE SIGNAGE PERMIT APPLICATION.

13. WASTEWATER SYSTEM: 1,000 GALLON SEPTIC TANK

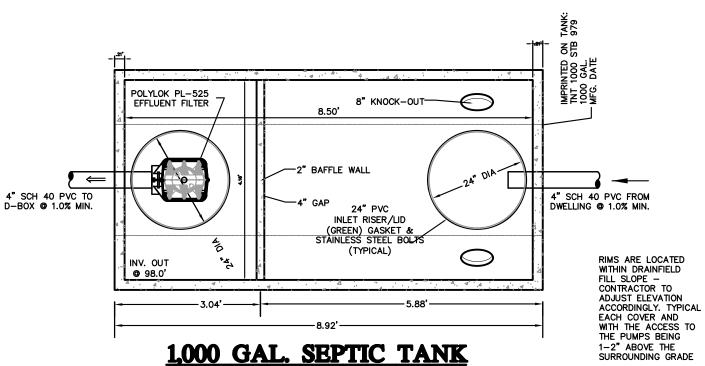
450 SQ.FT. DISPOSAL AREA (9' X 50') BRUNSWICK BED IN FILL 6 LINES 25 L.FT. EACH, 3' O.C.

30 INCHES OF FILL REQUIRED 100% REPAIR AREA (270 SQ.FT.) FOR TS-1 SYSTEM

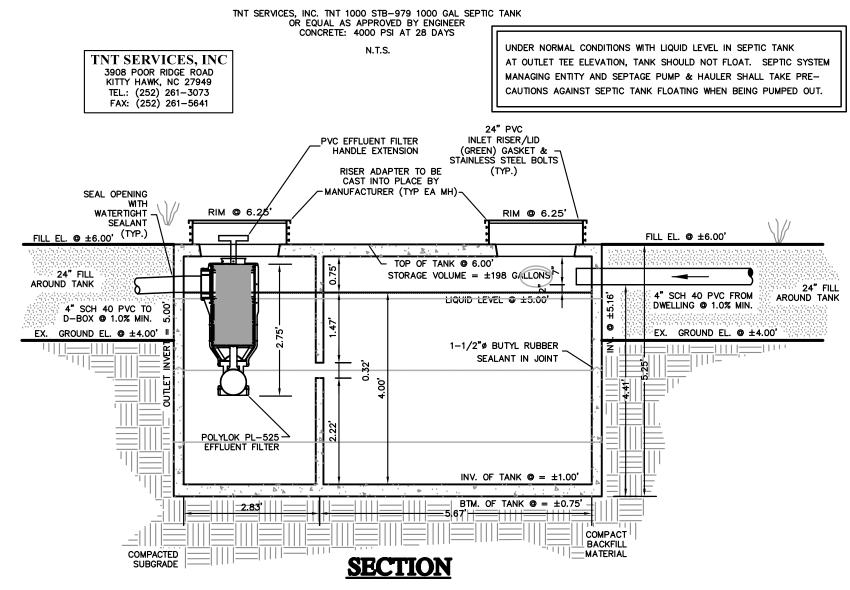
14. PLANS TO BE USED FOR THE WASTEWATER SYSTEM ONLY.



NOTE:
THE DATA GIVEN ON THESE PLANS IS BELIEVED
TO BE ACCURATE, BUT THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL LEVELS, LOCATIONS, TYPES, AND DIMENSIONS OF THE EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND, WORK SHALL CEASE AND THE ENGINEER NOTIFIED. WORK MAY CONTINUE UPON ENGINEERS NOTICE TO PROCEED.



1,000 GAL. SEPTIC TANK **PLAN**



1,000 GAL. SEPTIC TANK TNT SERVICES, INC. TNT 1000 STB-979 1000 GAL SEPTIC TANK OR EQUAL AS APPROVED BY ENGINEER AND AQWA CONCRETE: 4000 PSI AT 28 DAYS

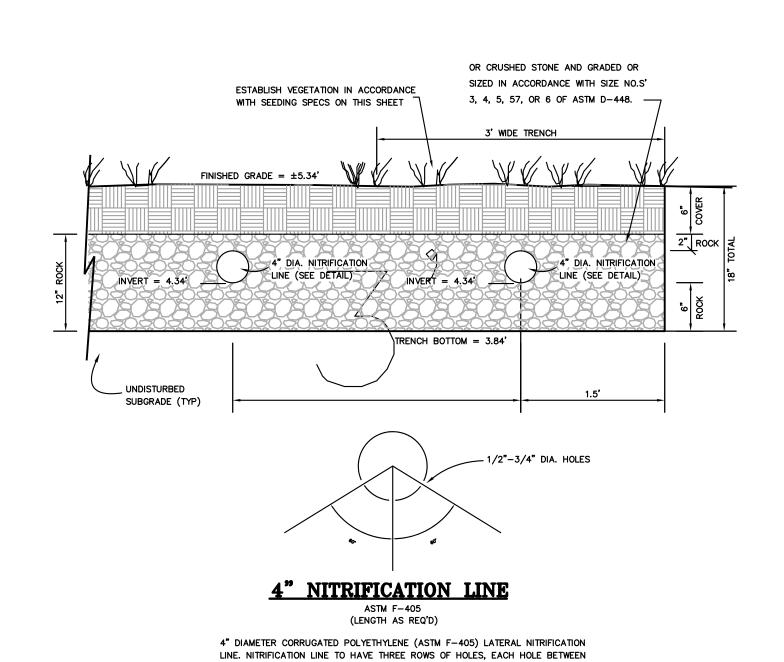
PL SITE AII **ASTEWATER** COMMISSION NO.

> DESIGNED BY DRAWN BY CHECKED BY ISSUE DATE 1/6/23 SHEET NO.

of 2 sheets

P2182

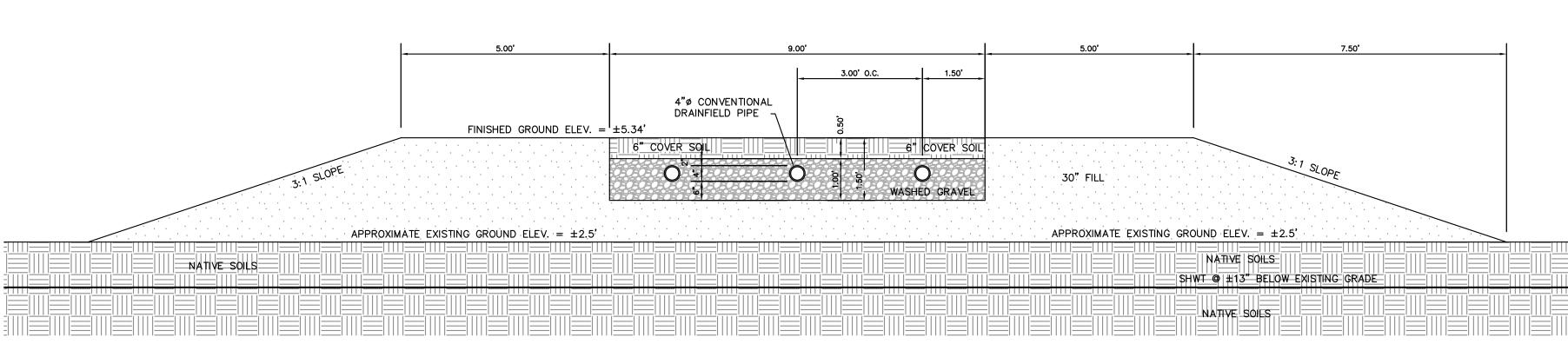
DRAWING FILE: DARE ABC BUXTON.DWG PLOT SCALE: 1"=30'



LOWER PORTION OF THE TUBING, THE OUTSIDE ROWS BEING APPROXIMATELY ON 120° CENTERS. SEE NITRIFICATION LINE DETAIL ABOVE.
PLUG EACH END OF 4" NITRIFICATION LINE. SEAL PLUG WITH WATER-PROOF SEALANT OR CAULKING.

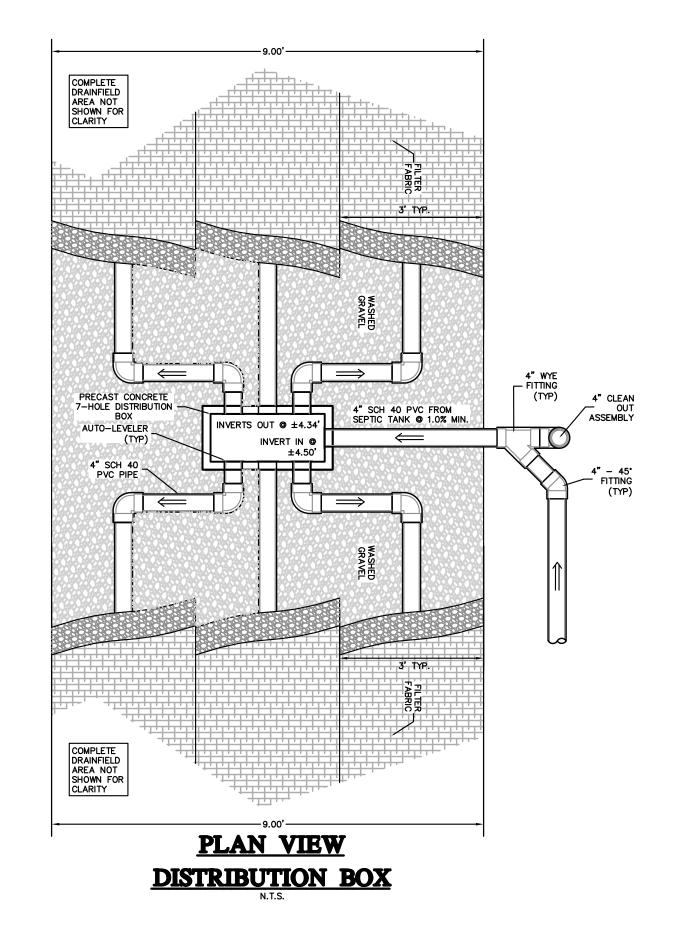
ONE-HALF INCH AND THREE-FOURTHS INCH IN DIAMETER, AND LOCATED IN THE

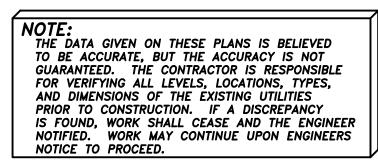
CONVENTIONAL TRENCH DETAIL TYPICAL DETAIL N.T.S.



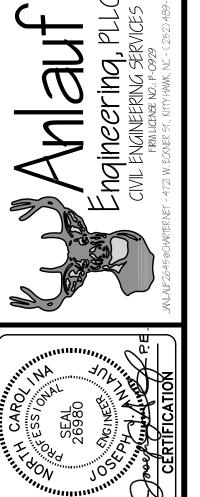
BRUNSWICK BED IN FILL DRAINFIELD DETAIL

N.T.S.









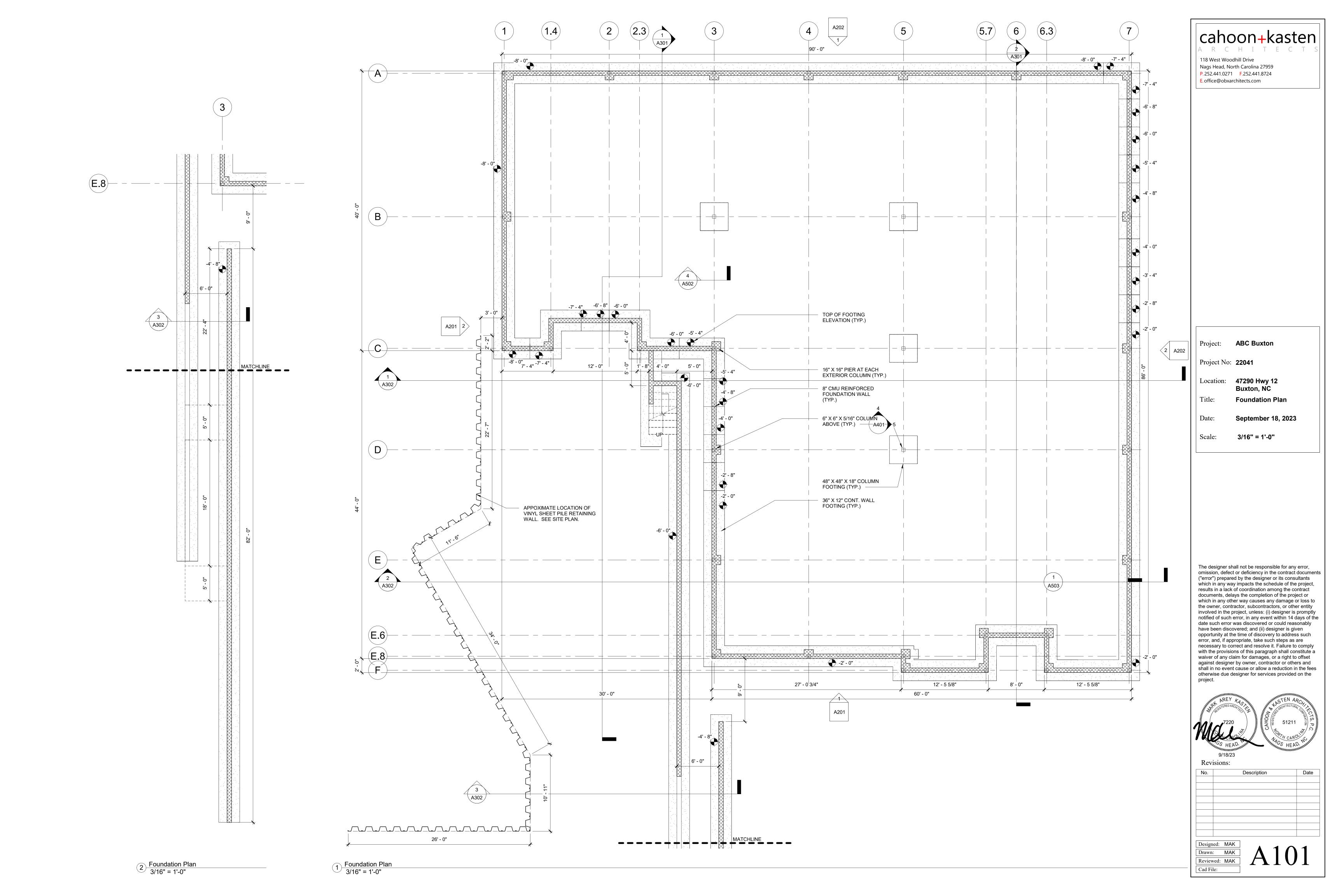


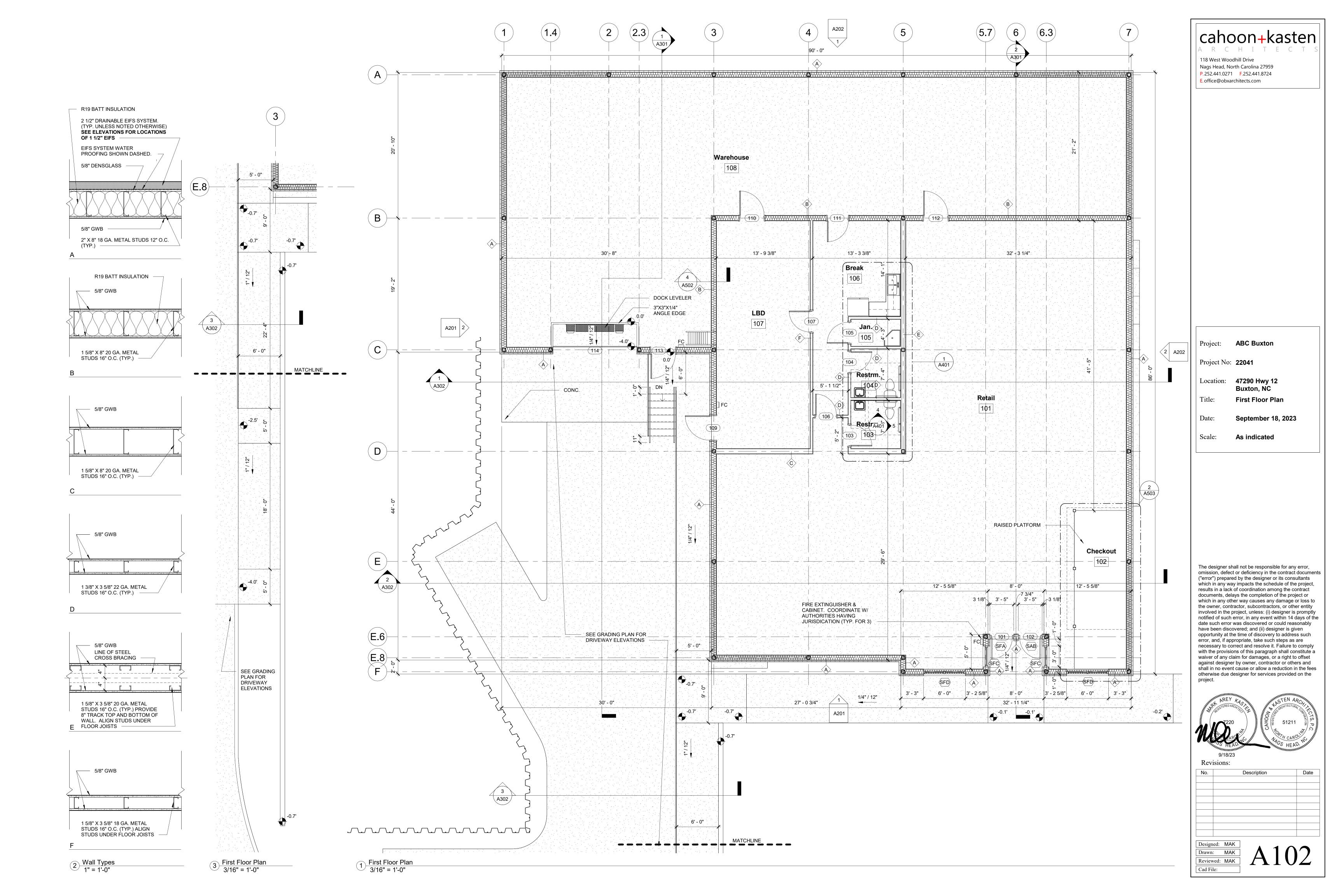
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WASTEW DETAILS		GABC RETAIL - BUXTON	00 13/13/11 DIA 00017	4/290 INC II WI 12	DARE COUNTY NORTH CAROLINA

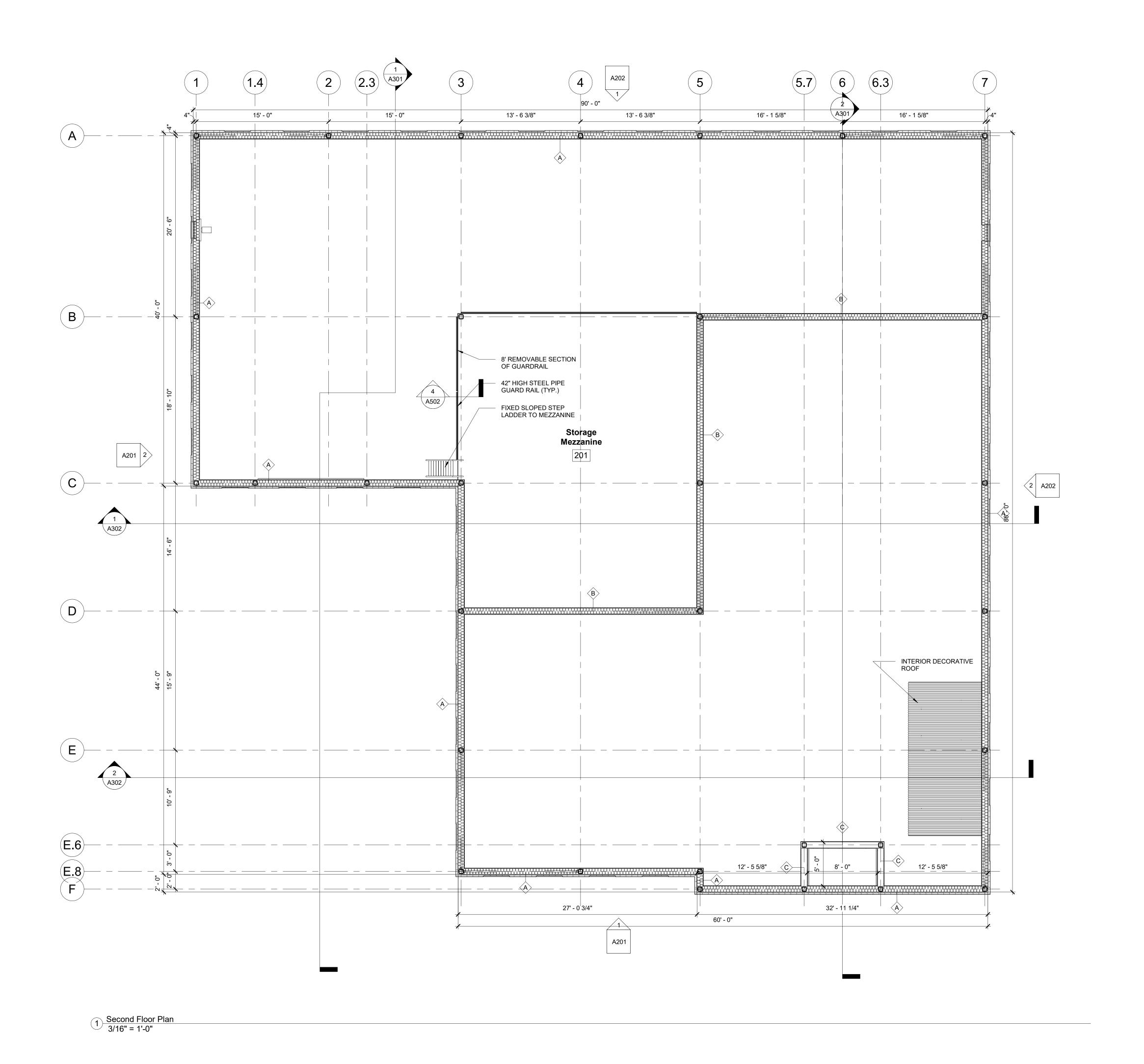
	П
OMMISSION NO.	P2182
ESIGNED BY	JJA
RAWN BY	JJA
HECKED BY	JJA
SUE DATE	1/6/23
SHEET	'NO.

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of 2 sheets







118 West Woodhill Drive Nags Head, North Carolina 27959 P. 252.441.0271 F. 252.441.8724 E. office@obxarchitects.com

Project: ABC Buxton

Project No: **22041**

Location: **47290 Hwy 12** Buxton, NC

Mezanine Floor Plan

September 18, 2023

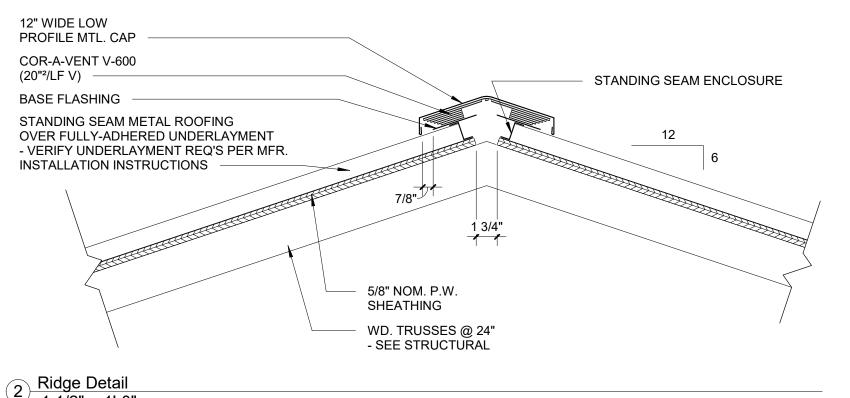
3/16" = 1'-0"

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the

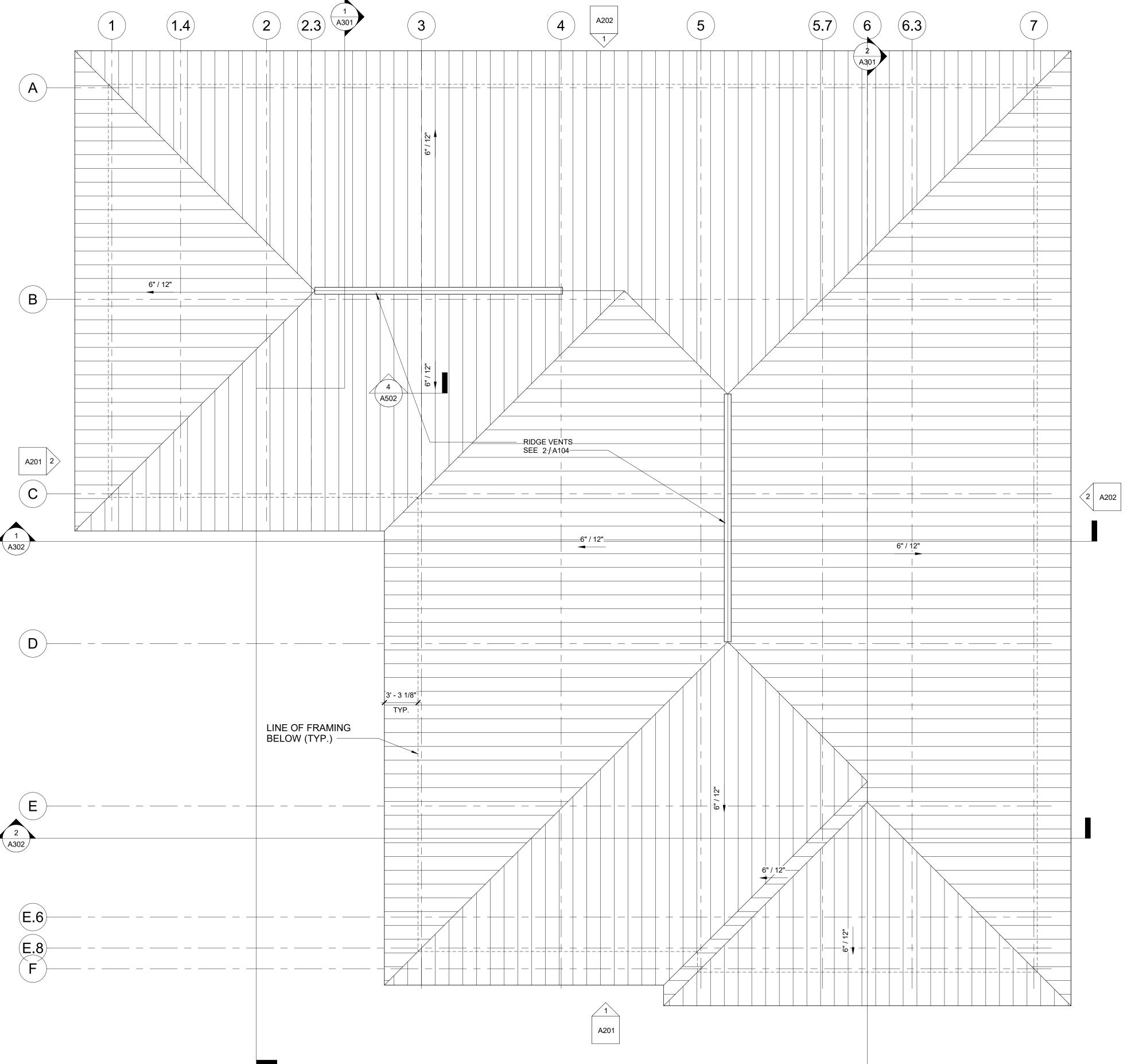


Revisions: Description

Designed: MAK
Drawn: MAK
Reviewed: MAK



2 Ridge Detail 1 1/2" = 1'-0"



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118 West Woodhill Drive Nags Head, North Carolina 27959 P. 252.441.0271 F. 252.441.8724 E. office@obxarchitects.com

Project: ABC Buxton Project No: **22041**

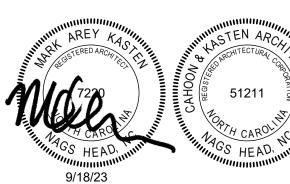
Location: **47290 Hwy 12** Buxton, NC

Roof Plan Title:

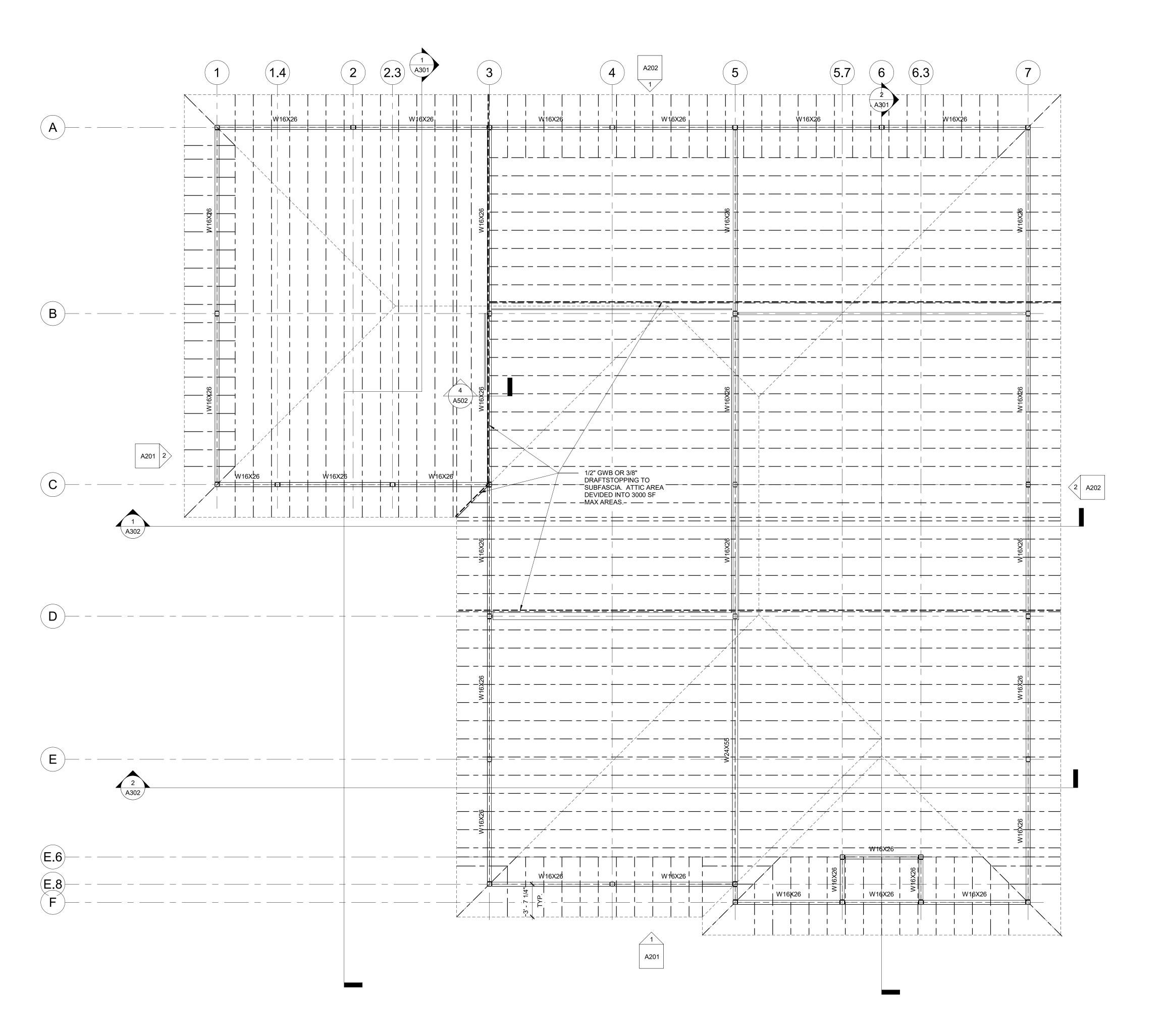
September 18, 2023

As indicated

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Revisions: No. Description Date



1 Roof Plan 3/16" = 1'-0"



118 West Woodhill Drive Nags Head, North Carolina 27959 P. 252.441.0271 F. 252.441.8724 E. office@obxarchitects.com

Project No: **22041** Location: **47290 Hwy 12** Buxton, NC **Roof Framing Plan**

Project: ABC Buxton

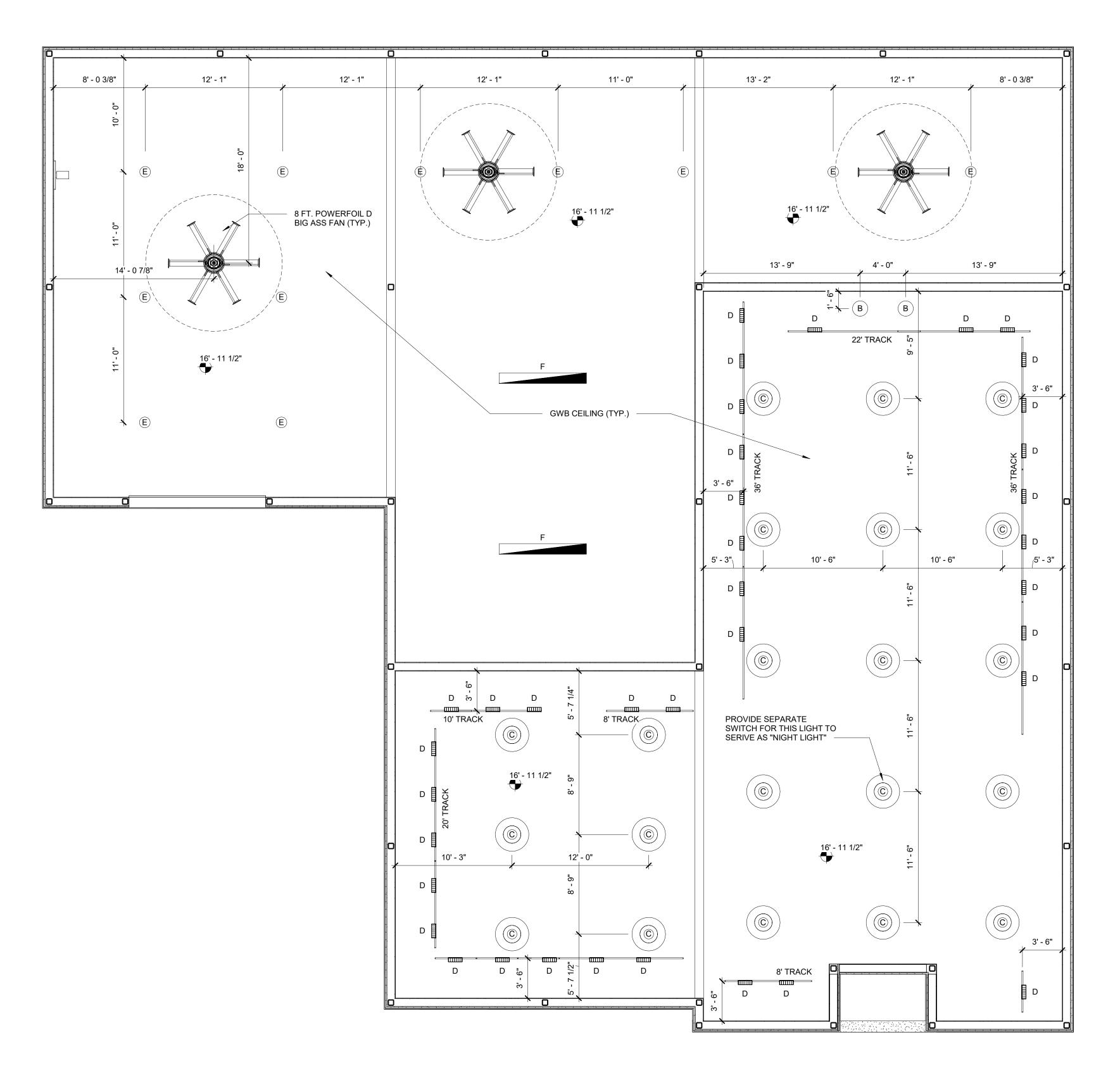
September 18, 2023

3/16" = 1'-0"

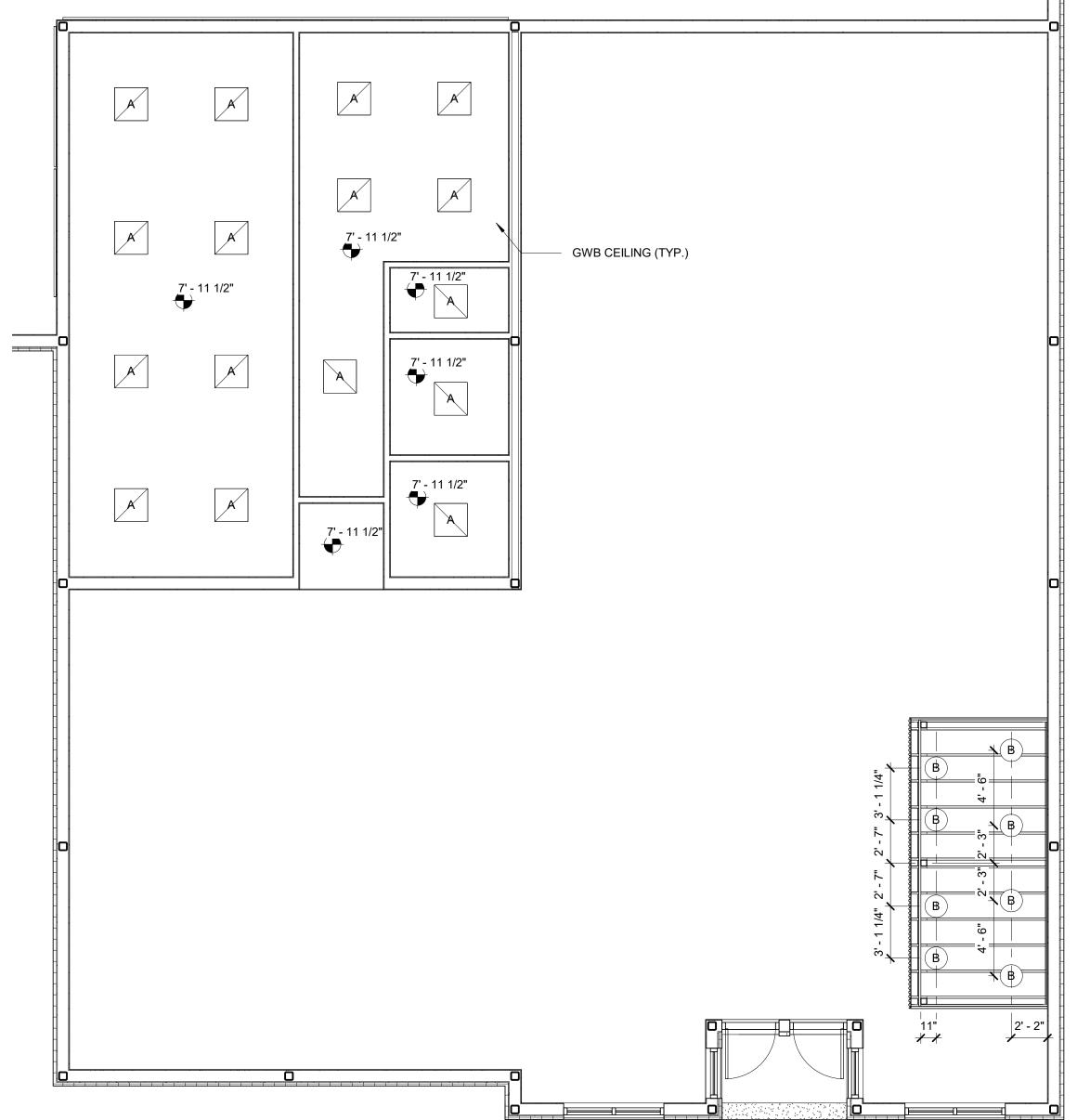
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Revisions: Description



Second Floor Reflected Ceiling Plan
3/16" = 1'-0"



First Floor Reflected Ceiling Plan
3/16" = 1'-0"

Lighting Fixture Schedule							
Type Mark	Description	Manufacturer	Model	Wattage	Comments		
^	2X2 Surface Mounted LED Flat Panel 4000K	Cooper Lighting	RT Panel	36 W			
<u>-</u> В	Classic Vintage Indurtrial	Cooper Lighting	IXI Faller	13 W	Furnished by Others Installed By GC's Electrical Contractor		
C	LED Round High Bay w/ Alum. Reflector	E-Cono Light	C-HB-B-RD-14L-UL	100 W	Furnished by Others Installed By GC's Electrical Contractor		
D	Wall Washer	Juno		30 W	Furnished by Others Installed By GC's Electrical Contractor		
E	LED Round High Bay	E-Cono Light	C-HB-B-RD-20L-UL	150 W	Furnished by Others Installed By GC's Electrical Contractor		
F	LED Linear Bay Lighting System	Cooper Lighting	Industrial LED Linear Bay	63 W			

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118 West Woodhill Drive
Nags Head, North Carolina 27959
P.252.441.0271 F.252.441.8724
E. office@obxarchitects.com

Project: ABC Buxton
Project No: 22041

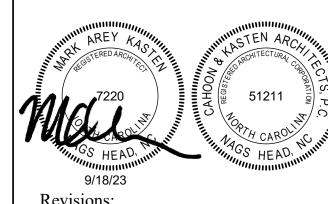
Location: 47290 Hwy 12 Buxton, NC

Date: September 18, 2023

Reflected Ceiling Plans

Scale: **3/16" = 1'-0"**

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Revisions:

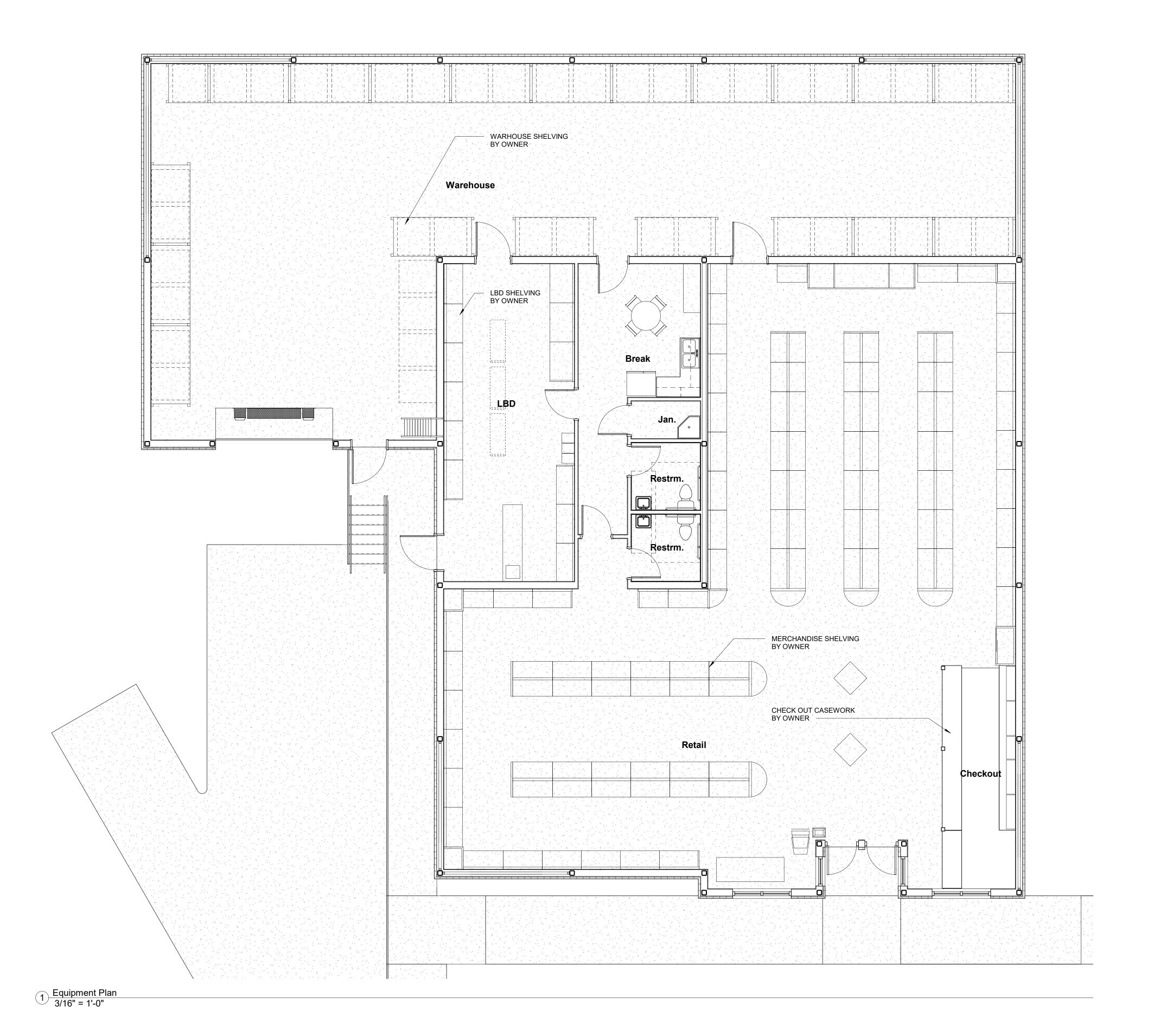
No. Description Date

Designed: MAK

Drawn: MAK

Reviewed: MAK

Cad File:



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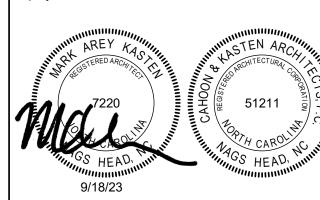
Location: 47290 Hwy 12 Buxton, NC

Date: **September 18, 2023**

Equipment

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

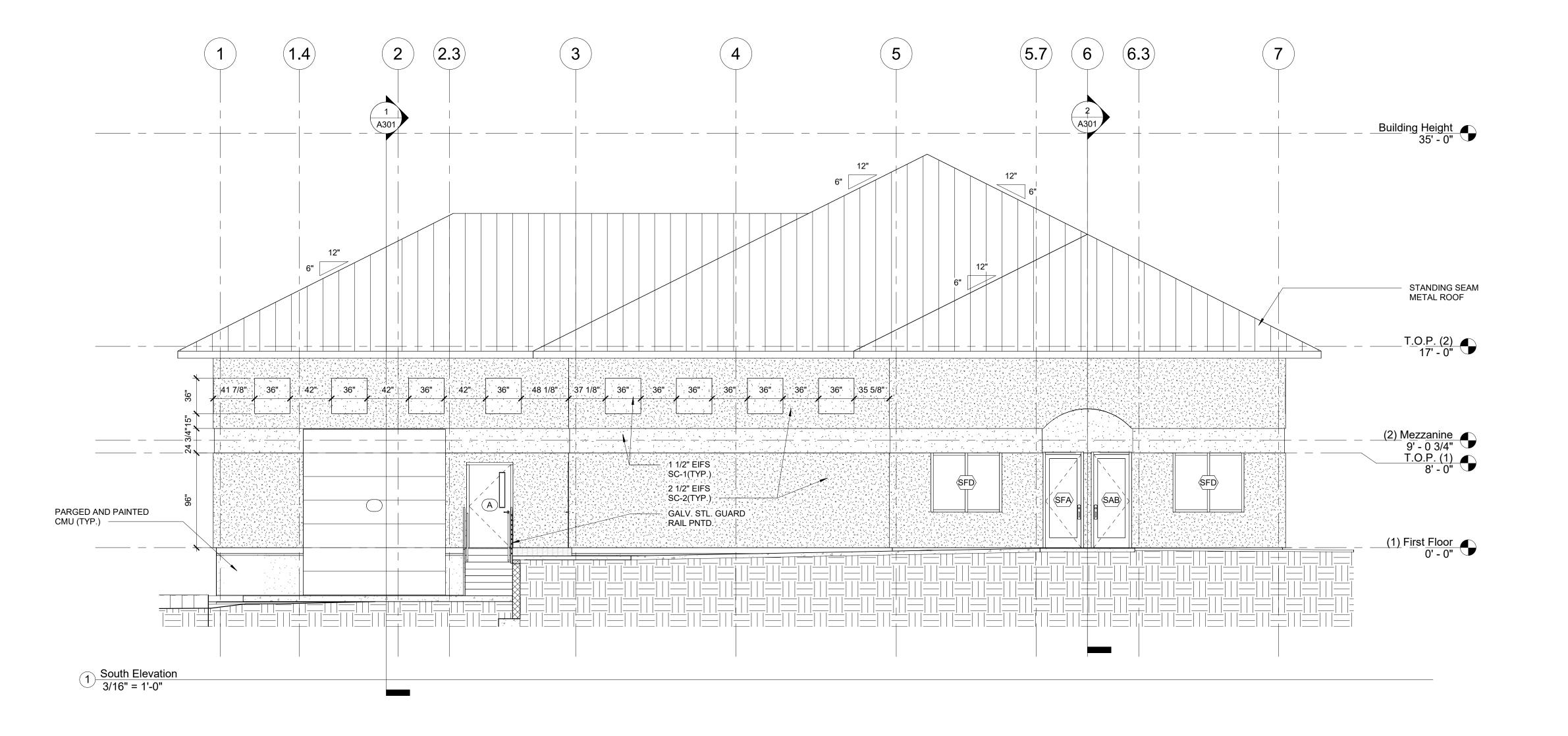
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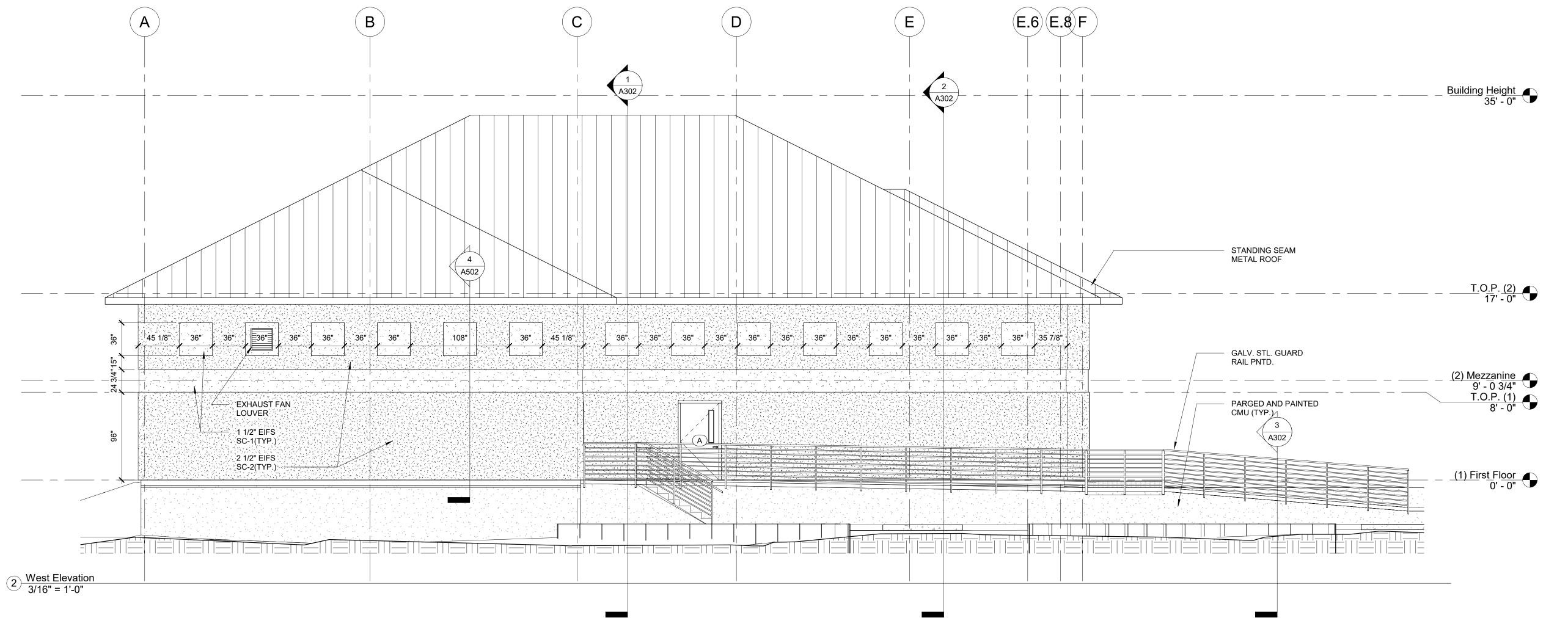


Revisions:

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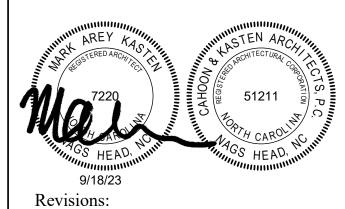
Location: 47290 Hwy 12 Buxton, NC

Date: September 18, 2023

Elevations

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

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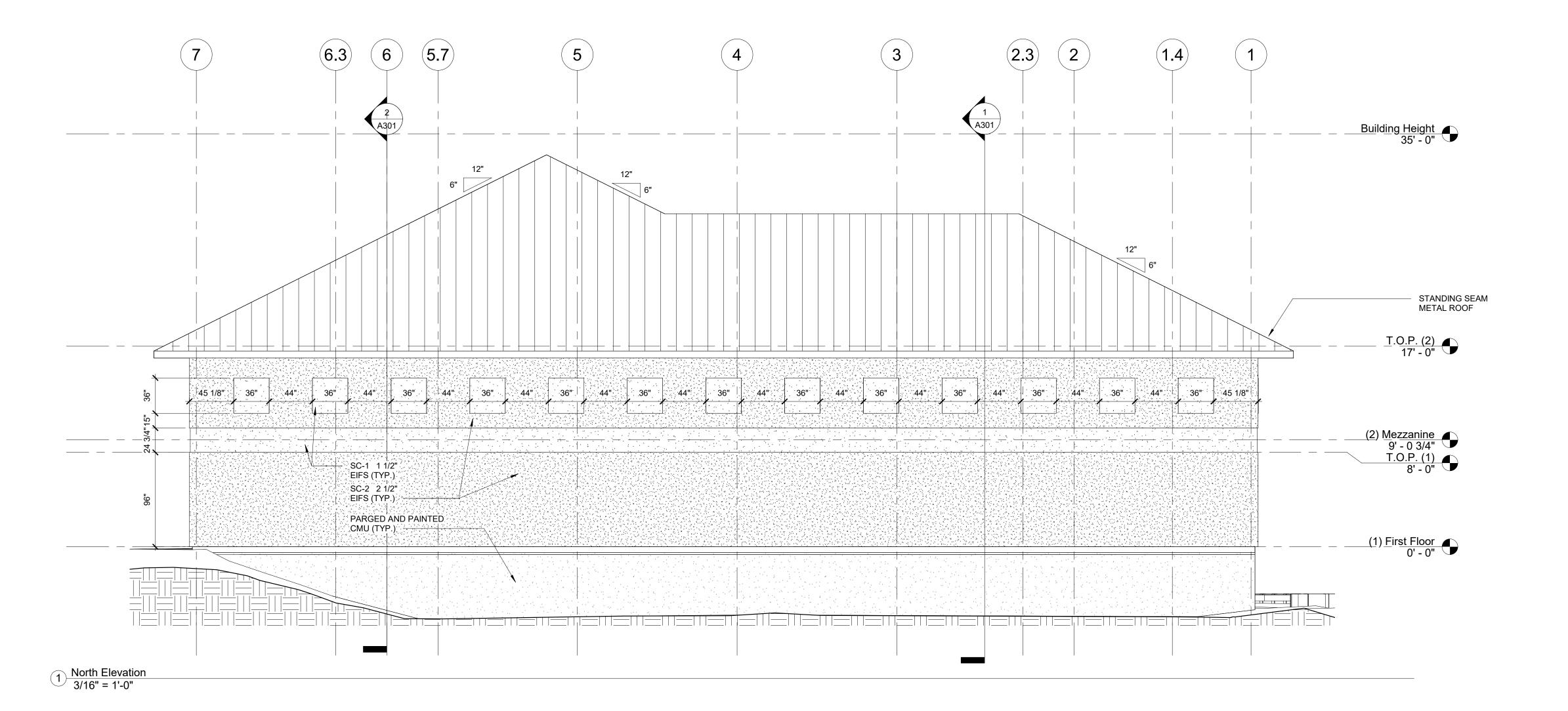
Revisions:

No. Description Date

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Drawn: MAK

Reviewed: MAK



F(E.8)(E.6) A302 A302 STANDING SEAM METAL ROOF — 4 A502 (2) Mezzanine 9' - 0 3/4" T.O.P. (1) 8' - 0" EXHAUST FAN LOUVER GALV. STL. GUARD RAIL PNTD. SC-1 1 1/2" A302 / EIFS (TYP.) SC-2 2 1/2" EIFS (TYP.) (1) First Floor 0' - 0" 2 East Elevation 3/16" = 1'-0"

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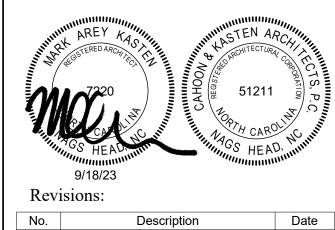
Location: **47290 Hwy 12 Buxton, NC**

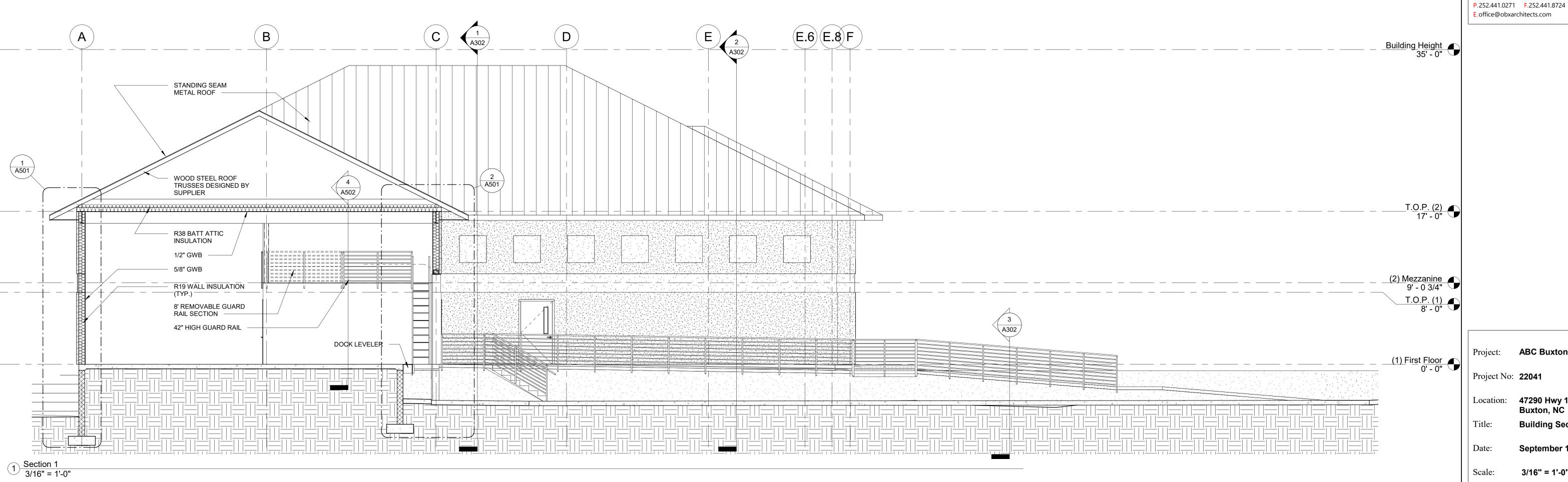
September 18, 2023

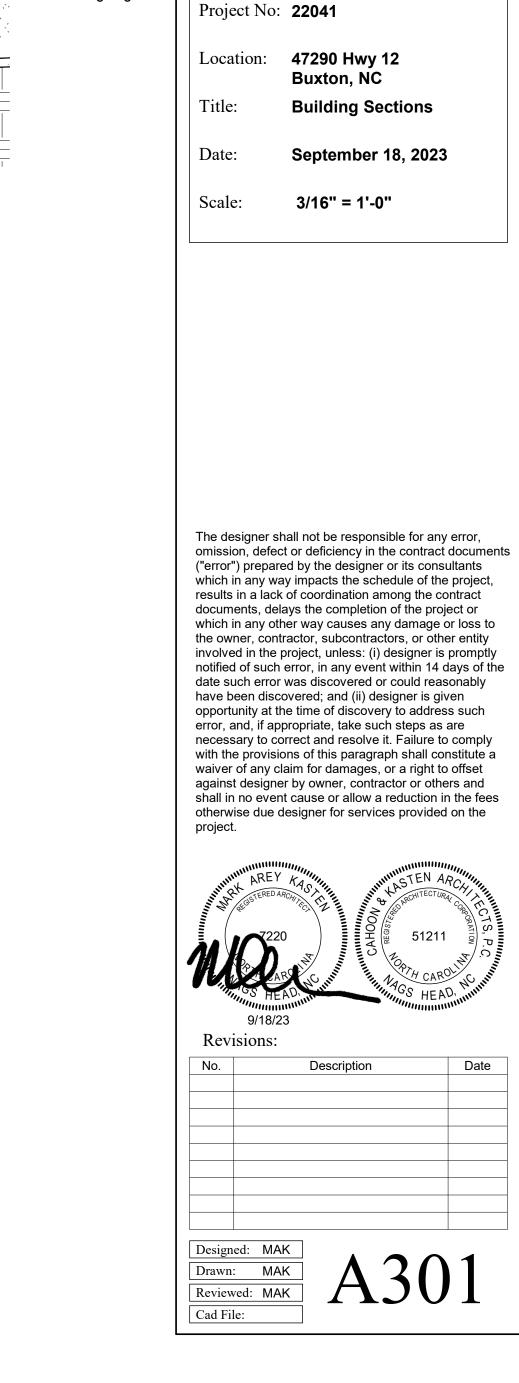
Elevations

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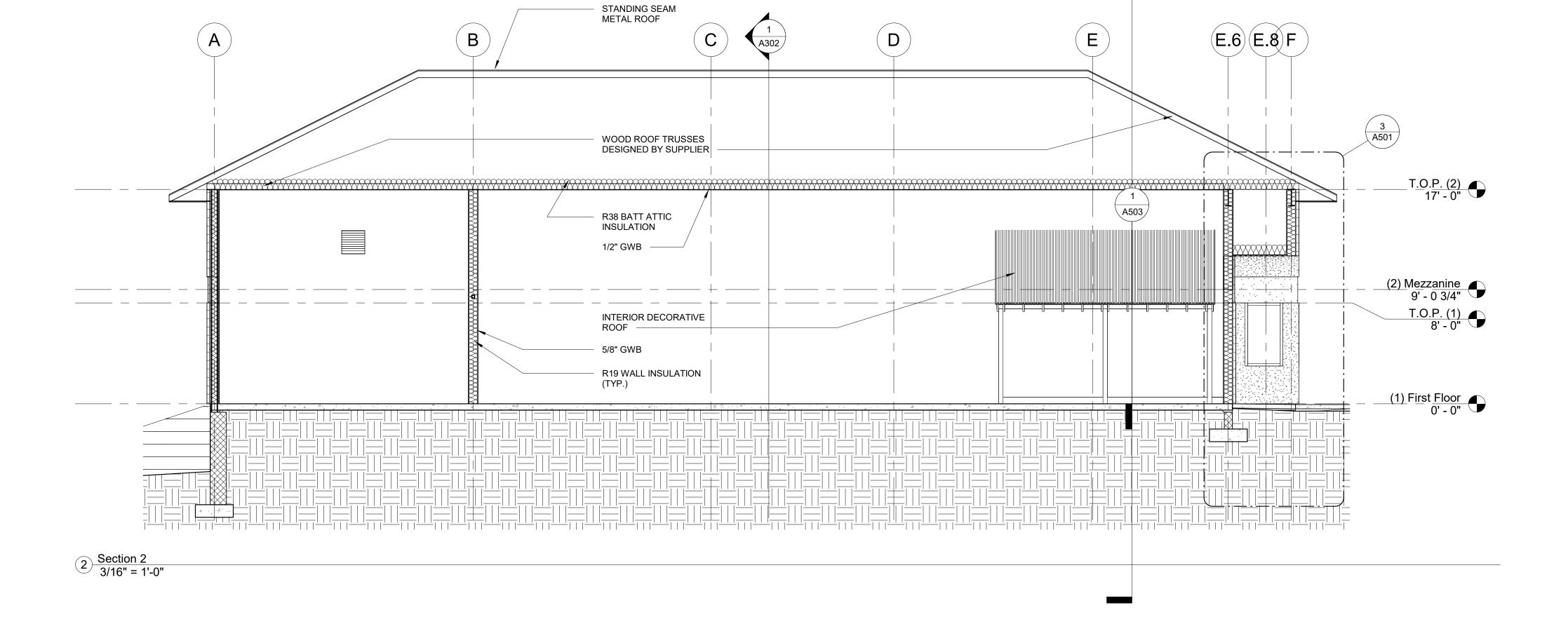


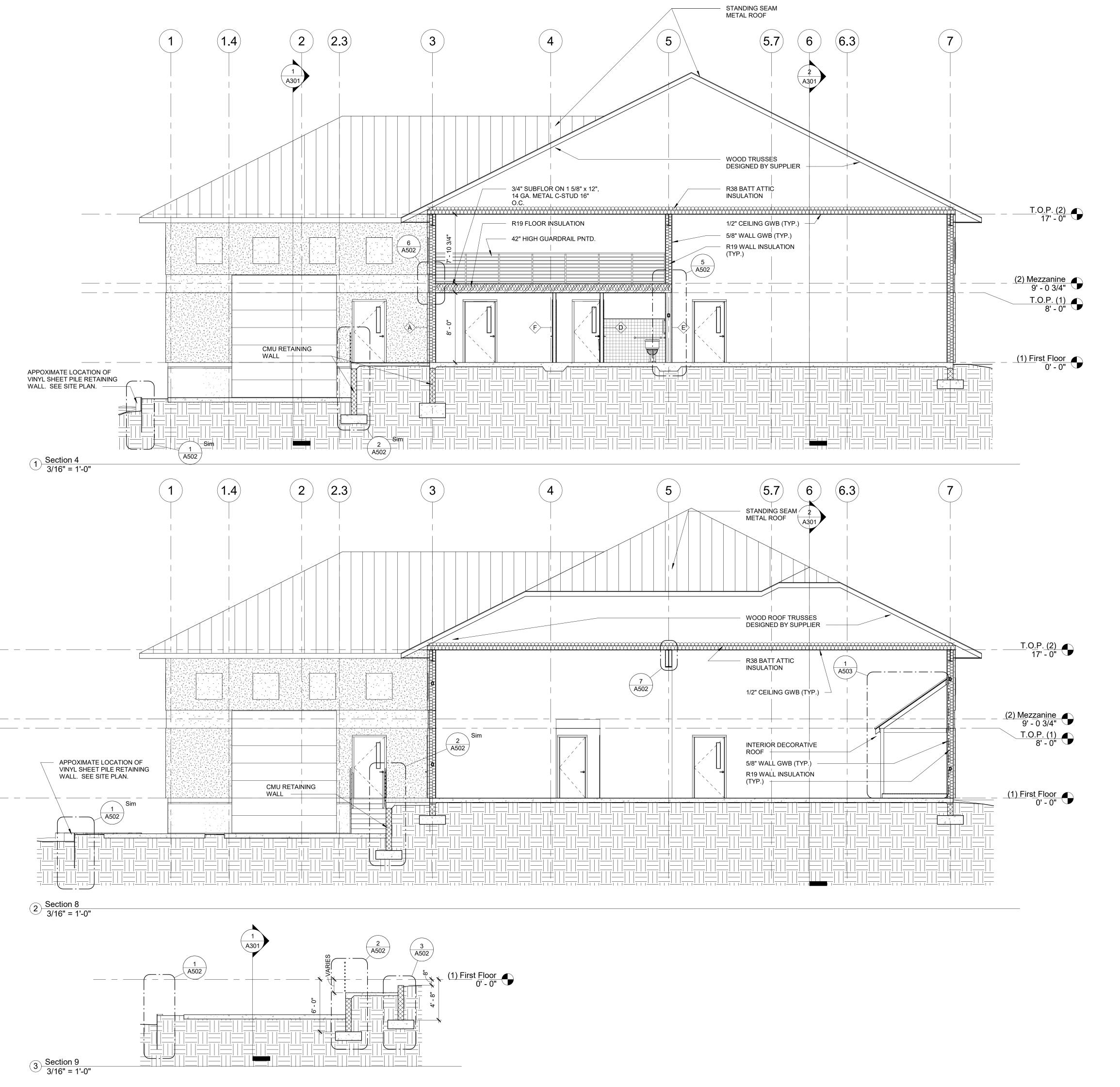


ABC Buxton

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Nags Head, North Carolina 27959





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Project No: **ABC Buxton**Project No: **22041**

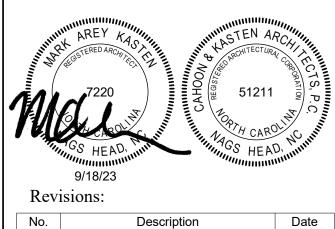
Location: **47290 Hwy 12**

Buxton, NC
Title: Building Sections

Date: September 18, 2023

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

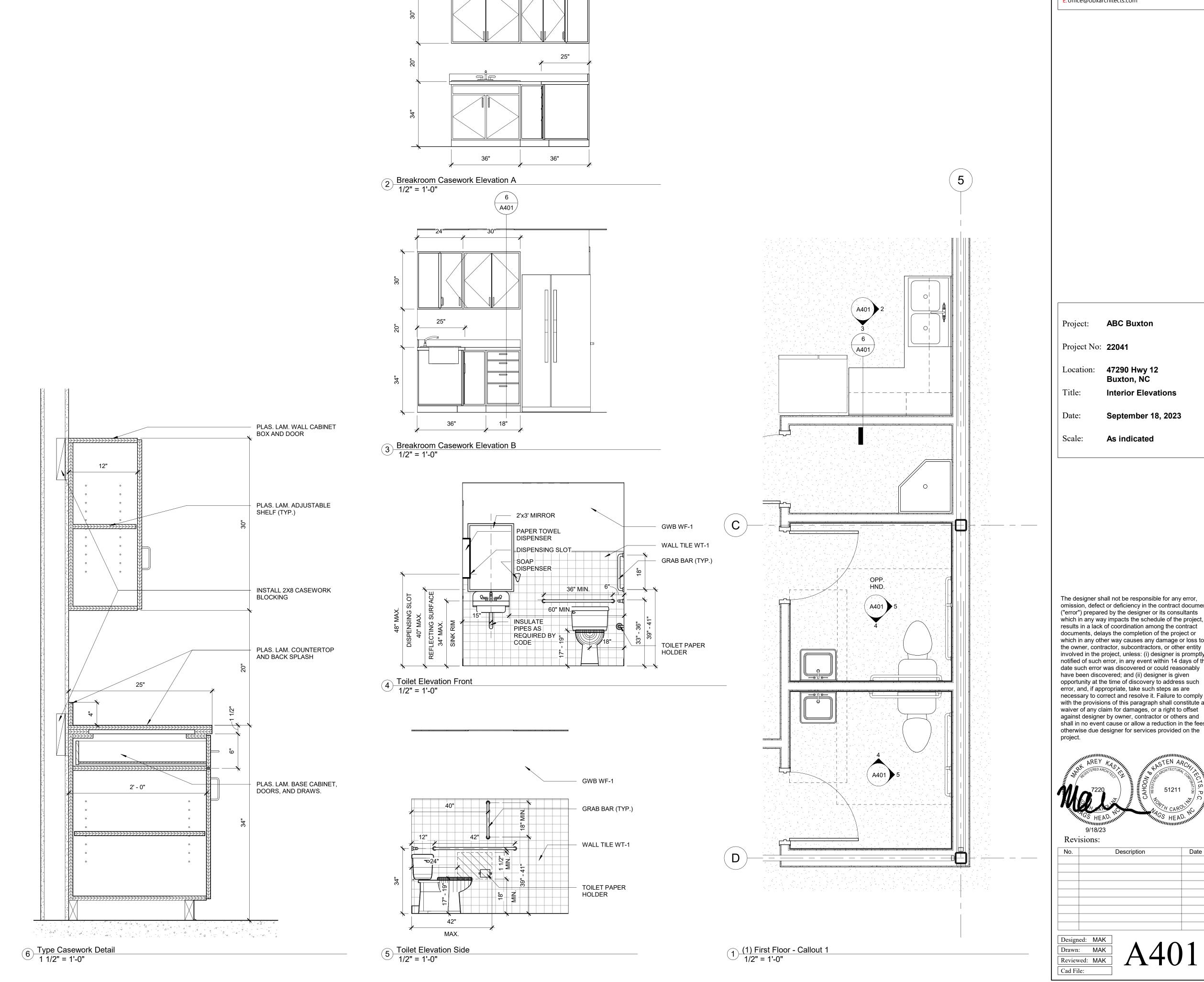
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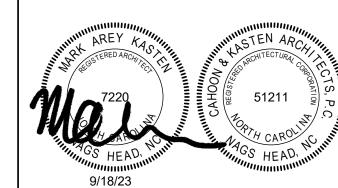
Project No: **22041**

Location: **47290 Hwy 12** Buxton, NC

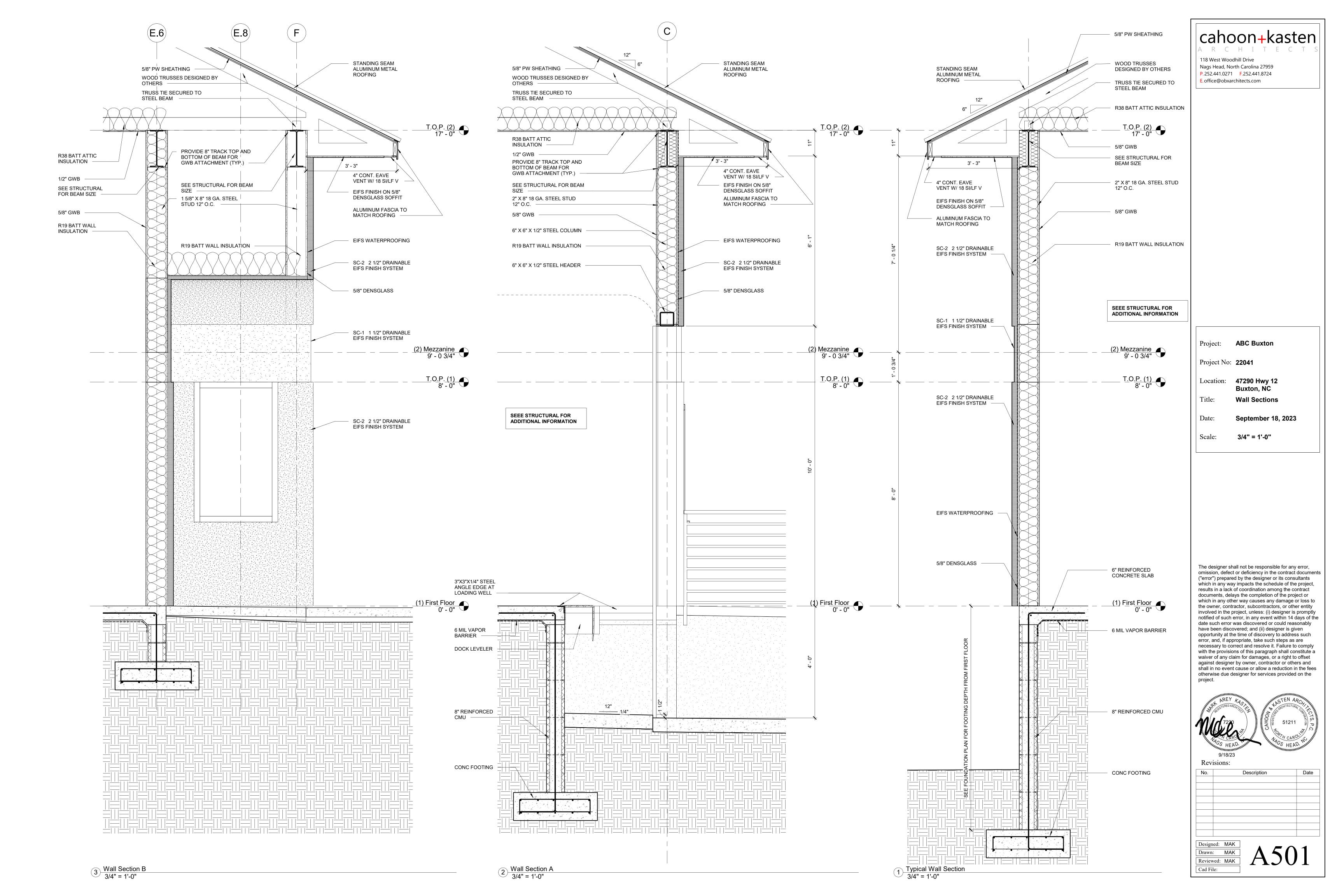
Interior Elevations **September 18, 2023**

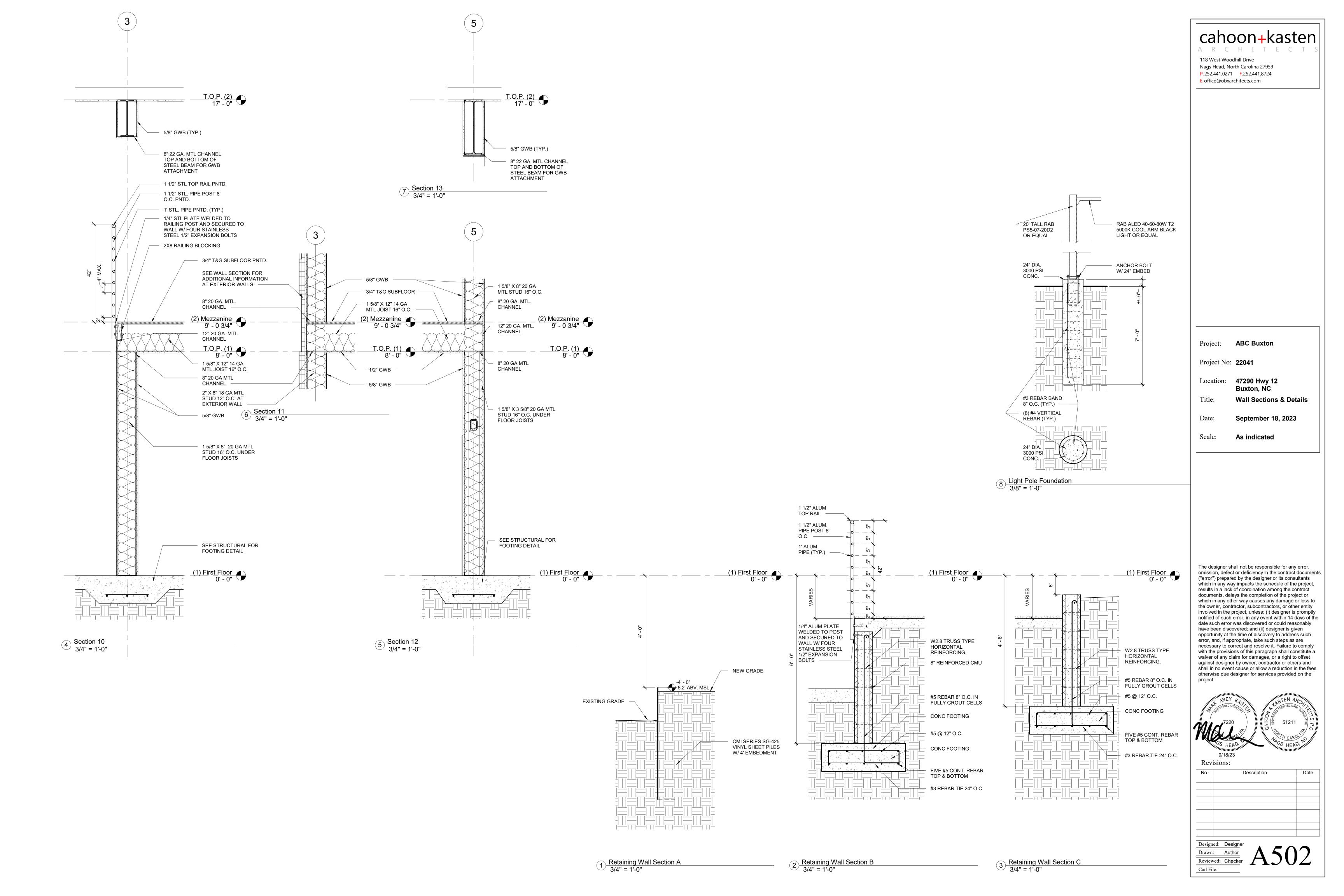
As indicated

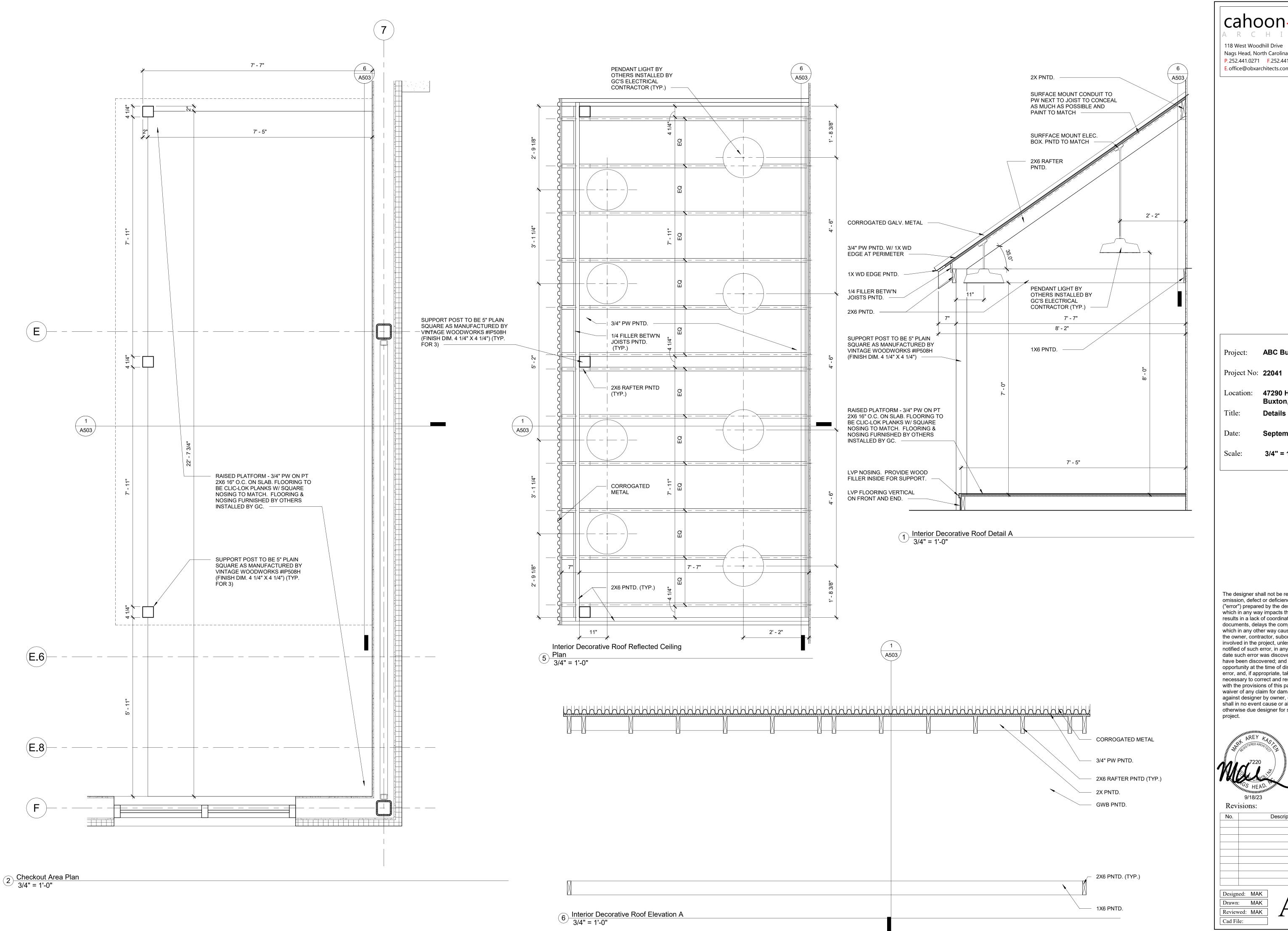
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Revisions: Description Date







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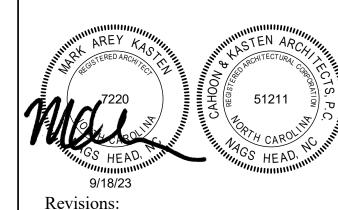
ABC Buxton

Location: **47290 Hwy 12 Buxton, NC**

September 18, 2023

3/4" = 1'-0"

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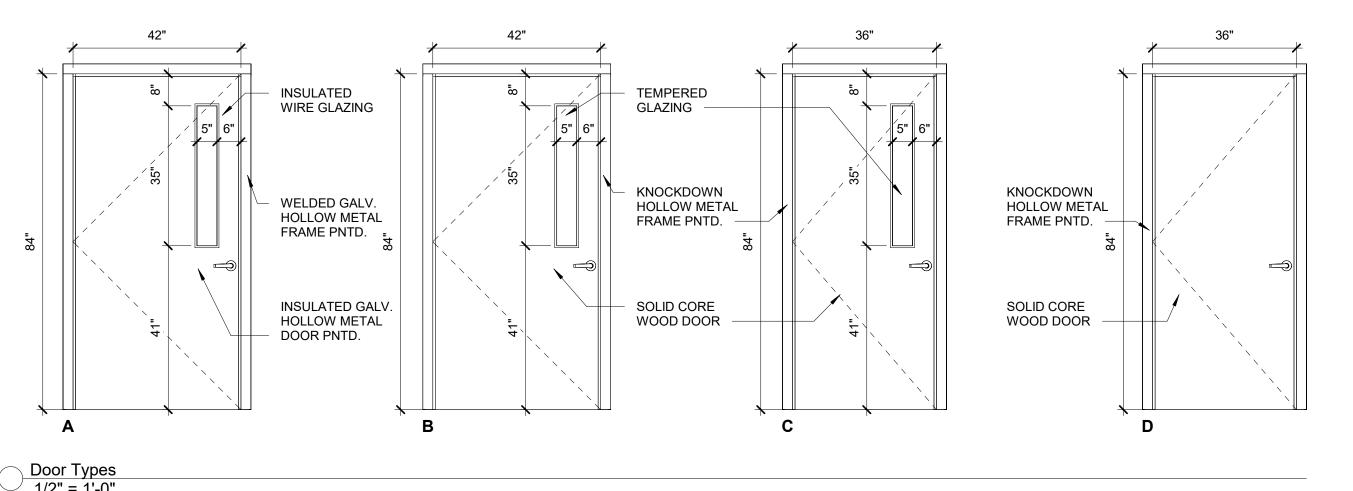


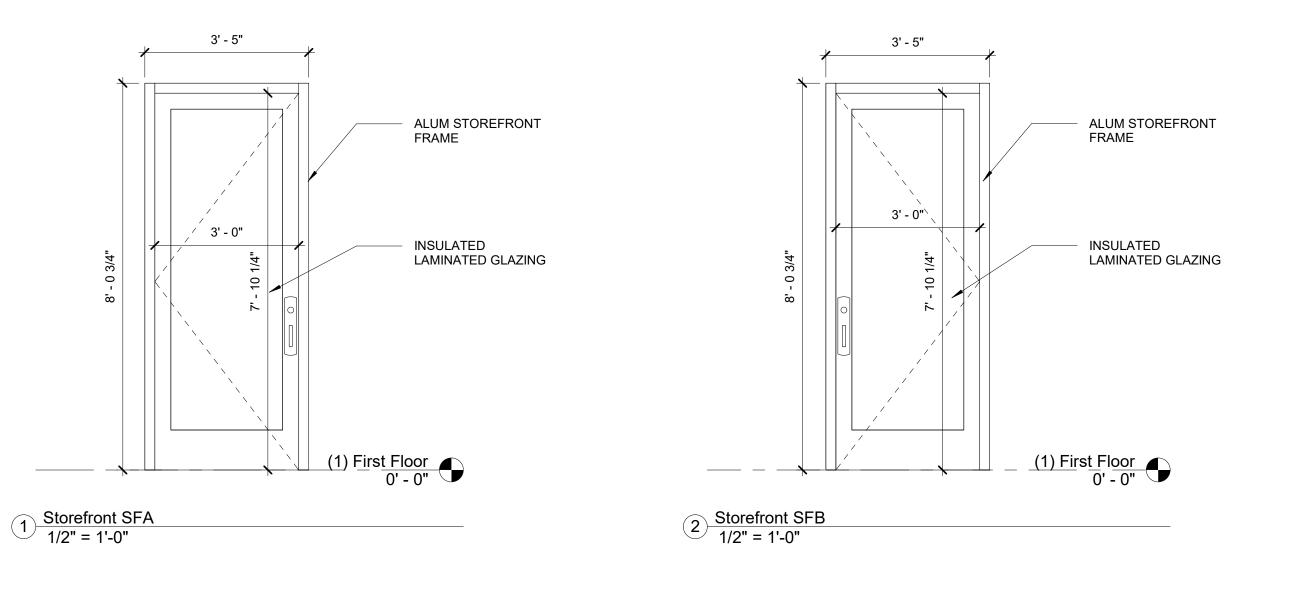
Description Date

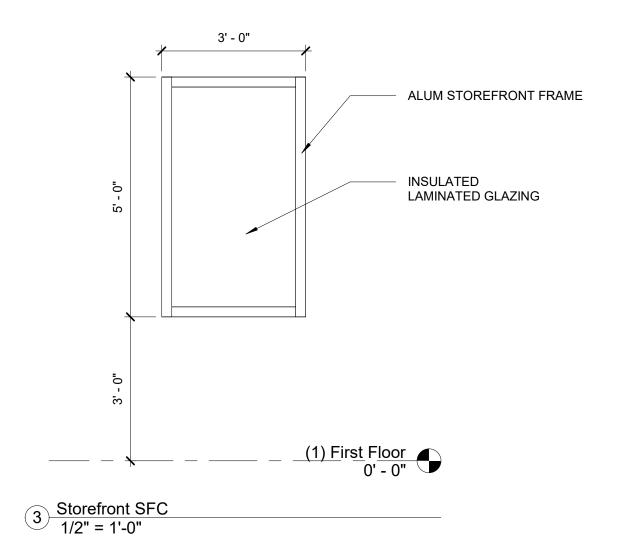
Room Schedule									
Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments		
101	Retail	FF-1	BF-1	WF-1	CF-1	16' - 11 1/2"			
102	Checkout	FF-1	BF-1	WF-1	CF-1	16' - 11 1/2"			
103	Restrm.	FF-1	WT-1	WT-1,WF-2	CF-1	8' - 0"	WALL TILE TO 5' AFF		
104	Restrm.	FF-1	WT-1	WT-1,WF-2	CF-1	8' - 0"	WALL TILE TO 5' AFF		
105	Jan.	FF-1	BF-2	WF-1	CF-1	8' - 0"			
106	Break	FF-1	BF-2	WF-1	CF-1	8' - 0"			
107	LBD	FF-1	BF-2	WF-1	CF-1	8' - 0"			
108	Warehouse	FF-2	BF-3	WF-3	CF-1	16' - 11 1/2"			
201	Storage Mezzanine	FF-3	BF-3	WF-3	CF-1	16' - 11 1/2"			

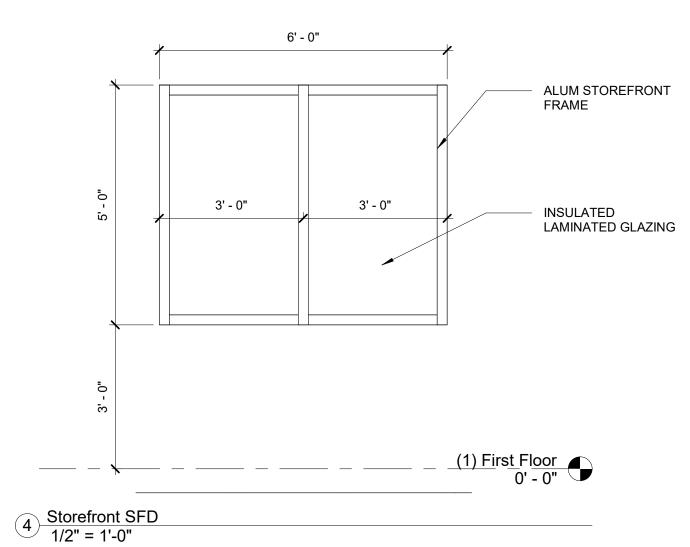
FINISH SCHEDULE							
FLOOR		BASE		WALL		CEILING	
Type	Discription	Туре	Discription	Type	Discription	Туре	Discription
FF-1 FF-2 FF-3	STAINED CONCRETE SEALED CONCRETE PNTD PLYWOOD	BF-1 BF-2 BF-3 WT-1	1X8 WOOD, TRANSPARENT FIN 1X4 WOOD, TRANSPARENT FIN 1X4 PT WOOD, UNFINISHED CERAMIC TILE	WF-1 WF-2 WF-3 WT-1	5/8" GWB PNTD COLOR 1 5/8" GWB PNTD COLOR 2 5/8" PW PNTD COLOR 3 CERAMIC TILE	CF-1	1/2" GWB PAINTED COLOR 2

	Door Schedule Comm										
Door					Frame		Door				
Door Number	Туре	Width	Height	Thickness	Door Material	Finish	Туре	Material	Finish	Hardware Set	Comments
101	SFA	3' - 0"	7' - 10 1/4"	0' - 1 3/4"	ALUM/GLAS	ANDZ	SF	ALUM	ANDZ	1	
102	SFB	3' - 0"	7' - 10 1/4"	0' - 1 3/4"	ALUM/GLAS	ANDZ	SF	ALUM	ANDZ	1	
103	D	3' - 0"	7' - 0"	0' - 1 3/8"	SC	CLR	KNKDN HM	STL	PNTD	4	
104	D	3' - 0"	7' - 0"	0' - 1 3/8"	SC	CLR	KNKDN HM	STL	PNTD	4	
105	D	3' - 0"	7' - 0"	0' - 1 3/8"	SC	CLR	KNKDN HM	STL	PNTD	3	
106	D	3' - 0"	7' - 0"	0' - 1 3/8"	SC	CLR	KNKDN HM	STL	PNTD	3	
107	D	3' - 0"	7' - 0"	0' - 1 3/8"	SC	CLR	KNKDN HM	STL	PNTD	3	
109	A	3' - 6"	7' - 0"	0' - 1 3/8"	GALV/GLAS/INSUL/HM	PTND	WLDED HM	GLAV STL	PNTD	2	
110	В	3' - 6"	7' - 0"	0' - 1 3/8"	SC/GLAS	CLR	KNKDN HM	STL	PNTD	3	
111	С	3' - 0"	7' - 0"	0' - 1 3/8"	SC/GLAS	CLR	KNKDN HM	STL	PNTD	3	
112	В	3' - 6"	7' - 0"	0' - 1 3/8"	SC/GLAS	CLR	KNKDN HM	STL	PNTD	3	
113	A	3' - 6"	7' - 0"	0' - 1 3/8"	GALV/GLAS/INSUL/HM	PTND	WLDED HM	GLAV STL	PNTD	2	
114		12' - 0"	14' - 0"	0' - 1 1/2"							









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Project No: 22041

Location: 47290 Hwy 12
Buxton, NC

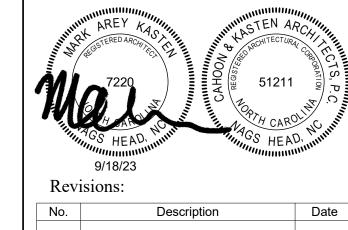
Project: ABC Buxton

Date: September 18, 2023

Schedules

Scale: As indicated

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Reviewed: MAK

Reviewed: MAK

Cad File:

CONCRETE MATERIALS SCHEDULE				
LOCATION	MIN. COMPRESSIVE STRENGTH (AT 28 DAYS)	COMMENTS		
FOUNDATIONS	4000 PSI	-		
FLOOR SLAB, WALLS, EQUIPMENT PADS	4000 PSI	-		
CONCRETE FOR MASONRY CORES, BOND BEAMS	ASTM C476 GROUT	-		
SIDEWALKS, BOLLARD FILL, MISC. CONCRETE	3000 PSI	-		

3 Concrete Materials Schedule
1 1/2" = 1'-0"

EXPOSED CONCRETE FINISH					
LOCATION	FINISH	COMMENTS			
FLOOR SLAB, WALLS, EQUIPMENT PADS	SMOOTH FORM	-			
EXTERIOR CONCRETE PAVEMENT, SIDEWALKS	COARSE BROOM	-			
SLAB ON GRADE	TROWEL	-			
EXT. EQUIP. PADS	COARSE BROOM	-			
EXT. STAIRS	COARSE BROOM	-			

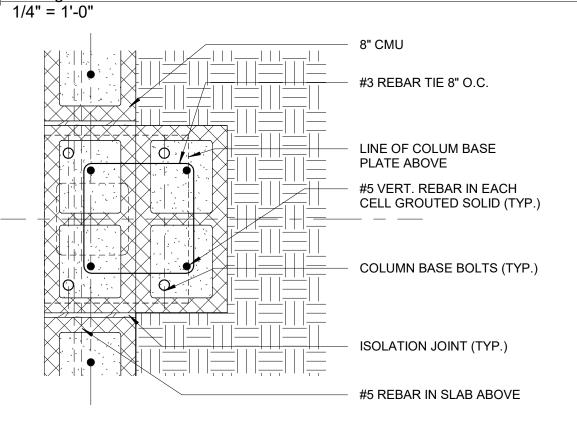
7 Exposed Concrete Finish 1 1/2" = 1'-0"

COLUMN SCHEDULE					
	MARK	COL. SIZE	BASE PLATE SIZE	ANCHOR # & BOLT DIA.	COMMENTS
	C1	HSS 6" x 6" x 1/2"	12" x 12" x ¾"	(4) 3/4"	
	C2	HSS 6" x 6" x 1/2"	12" x 12" x ¾"	(4) 3/4"	
	C3	HSS 6" x 6" x 1/2"	12" x 12" x ¾"	(4) 3/4"	

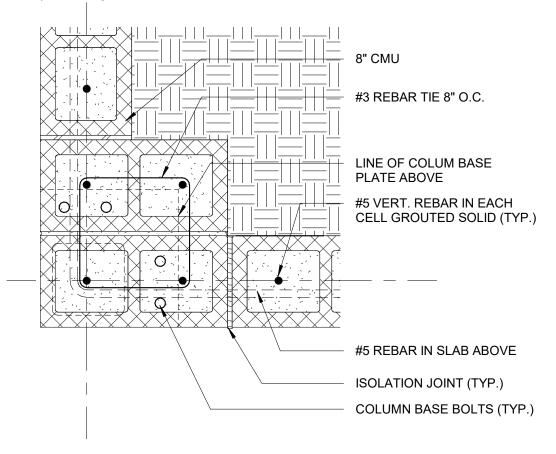
2 Column Schedule
1/4" = 1'-0"

FOOTING SCHEDULE					
MARK	DIMENSIONS	REINFORCEMENT	COMMENTS		
F1	4'-0" x 4'-0" x 18"D	(6) #5 EW TOP & BOTTOM			

8 Footing Schedule



10 Structural Foundation Detail 1 1 1/2" = 1'-0"



5 Construction Joint Detail (End Pour)
1 1/2" = 1'-0" 11 Structural Foundation Detail 2
1 1/2" = 1'-0"

CONCRETE LAP REBAR SPLICE SCHEDULE						
BAR	LAP LENGTH (in.)					
SIZE	f'c = 3000 psi	f'c = 4000 psi				
#4	29	25				
#5	36	31				
#6	43	37				
#7	63	54				
#8	72	61				
#9	80	69				
#10	89	76				

Concrete Rebar Lap Splice Schedule 1 1/2" = 1'-0"

SLAB-ON-GRADE NOTES:

ALL SLABS-ON-GRADE SHALL BE 4" U.N.O. NORMAL WEIGHT CONCRETE WITH A 28-0AY COMPRESSIVE STRENGTH, fc = 4,000 PSI. SLABS HAVE BEEN DESIGNED ON THE BASIS OF THE FOLLOWING CRITERIA:

SUBGRADE MODULUS, K = 200 PCI (ASSUMED) UNIFORM LIVE LOADING = 100PSF MAX. CONCENTRATED POST LOAD = 8,000 LB.

THE ENGINEER SHALL NOT BE RESPONSIBLE FOR DIFFERENTIAL SETTLEMENT, SLAB CRACKING AND/OR CURLING, OR OTHER FUTURE DEFECTS RESULTING FROM UNREPORTED OR UNPLANNED CONDITIONS THAT MITIGATE THE ABOVE

3. SLABS-ON-GRADE SHALL BE PLACED OVER A 6 MIL POLYETHYLENE VAPOR BARRIER AND A MINIMUM OF 4" OF COMPACTED GRANULAR FILL. ALL FILL MATERIAL SHALL BE CLEAN GRANULAR MATERIAL WITH 100% PASSING A 1-1/2" SIEVE AND NO MORE THAN 5% PASSING A NO.4 SIEVE. GRANULAR FILL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY IN ACCORDANCE WITH ASTM D-698.

4. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-185. LAP ADJOINING SECTIONS AT LEAST ONE FULL MESH, UNLESS APPROVED OTHERWISE. ALL WELDED WIRE FABRIC SHALL BE BLOCKED INTO POSITION WITH PRECAST CONCRETE BLOCK HAVING A COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN THE SLAB.

SLABS TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+/- 1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C-260.

6. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE". HOT WEATHER CONCRETING SHALL CONFORM TO THE REQUIREMENTS OF ACI 305. COLD WEATHER CONCRETING SHALL CONFORM TO THE REQUIREMENTS OF ACI 306.

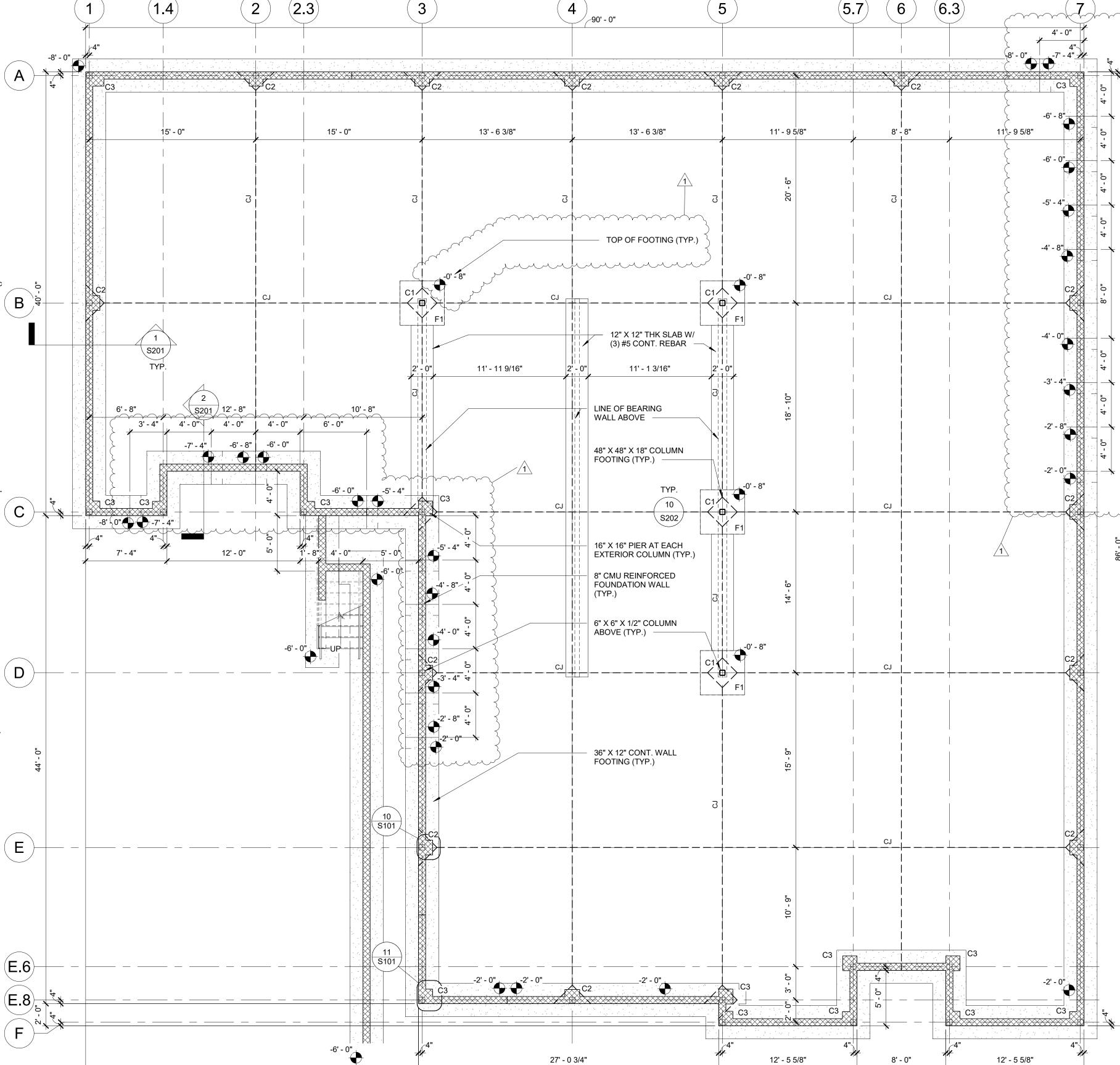
IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, PLACE CONCRETE SLABS IN AN ALTERNATING LANE OR A CHECKERBOARD PATTERN. MAXIMUM LENGTH OF CONTINUOUSLY CAST SLAB IS 100 FEET. MAXIMUM SPACING OF SLAB JOINTS IS 25 FEET.

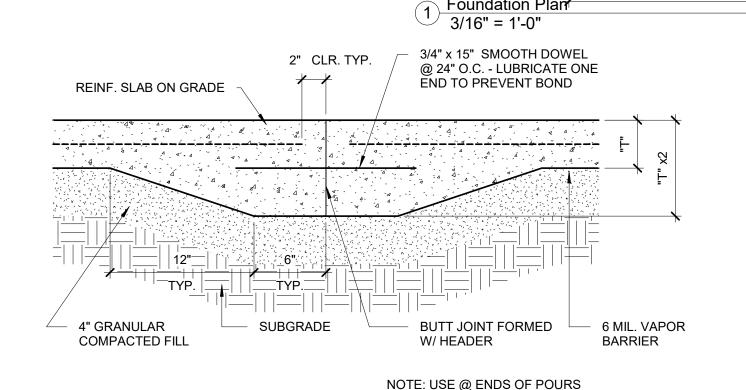
8. THE ALTERNATE WIRES OF THE WELDED WIRE FABRIC MUST BE PRECUT AT SLAB CONTRACTION JOINTS TO CREATE THE "WEAKENED" PLANE NECESSARY FOR CRACK

PROPAGATION.

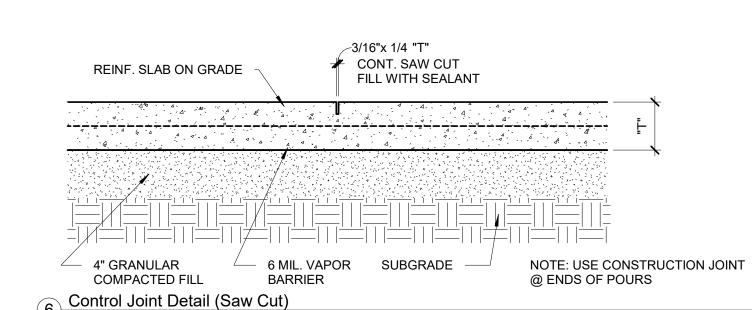
THE FINISH TOLERANCE OF ALL SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH ACT 301, TYPE A, UNLESS NOTED

THE USE OF POLYPROPYLENE FIBERS IN LIEU OF WELDED WIRE FABRIC IS NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER.



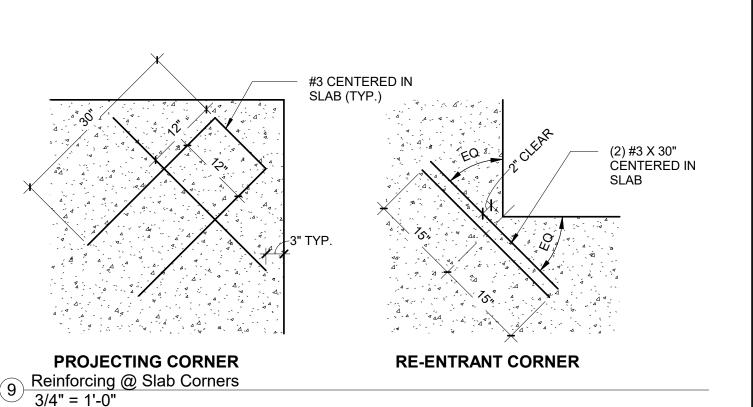


√ Foundation Plan



30' - 0"

1 1/2" = 1'-0"



60' - 0"

cahoon+kasten

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Kitty Hawk Engineering 2036 Creek Rd Kitty Hawk, NC 27949 252-655-1056 kittyhawk@kittyhawkengineering.com

ABC Buxton Project: Project No: **22041**

Location: **47290 Hwy 12 Buxton, NC**

Structural Foundation

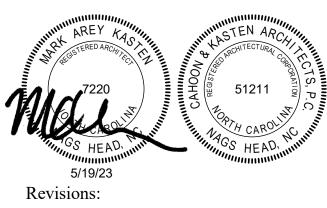
March 10, 2023

As indicated

("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the

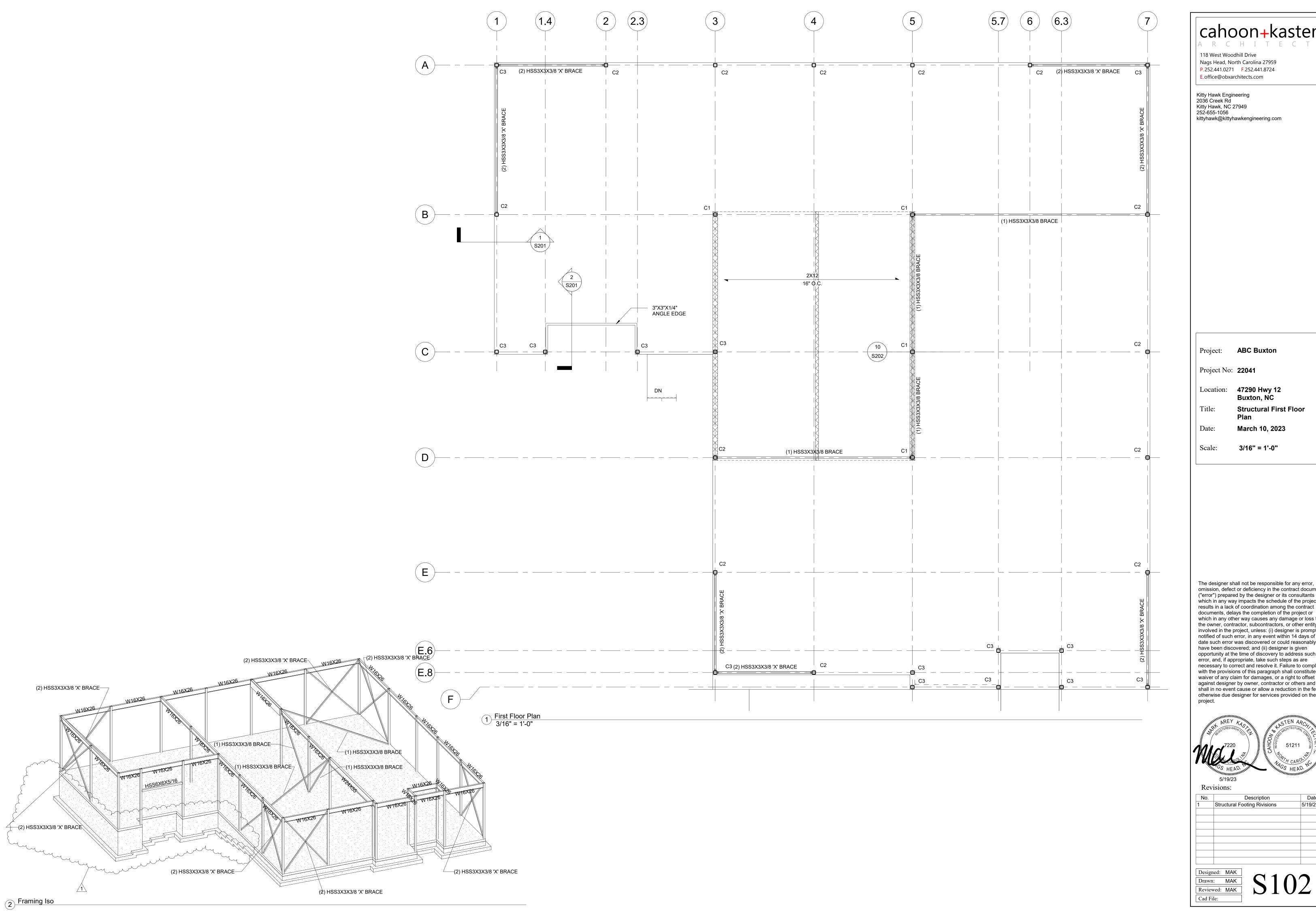
The designer shall not be responsible for any error,

omission, defect or deficiency in the contract documents

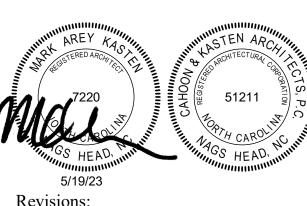


Date Description 5/19/23 Structural Footing Rivisions

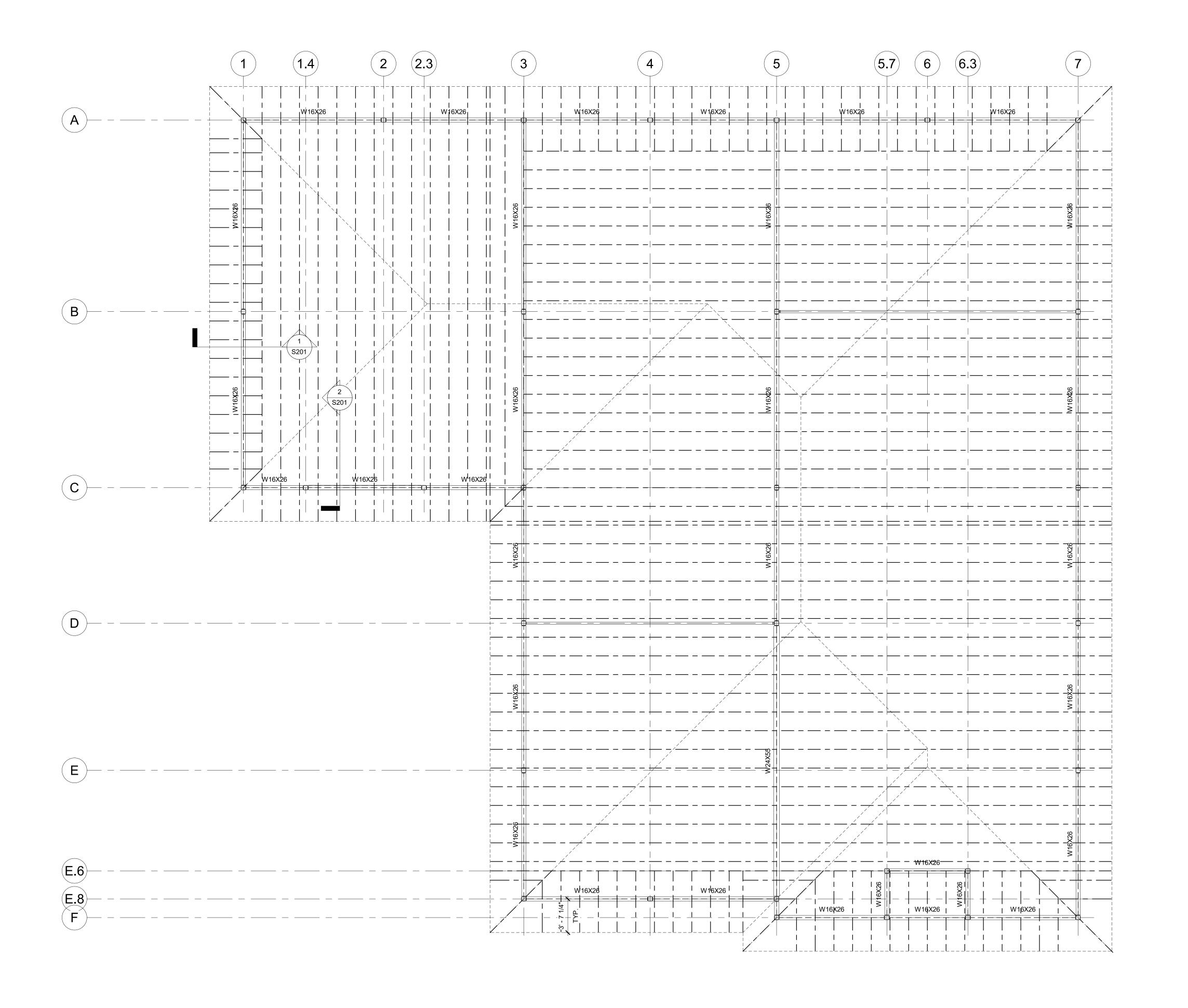
Reviewed: MAK Cad File:



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No.	Description	Date
1	Structural Footing Rivisions	5/19/23



118 West Woodhill Drive Nags Head, North Carolina 27959 P. 252.441.0271 F. 252.441.8724 E. office@obxarchitects.com

Kitty Hawk Engineering 2036 Creek Rd Kitty Hawk, NC 27949 252-655-1056 kittyhawk@kittyhawkengineering.com

Project: ABC Buxton

Project No: **22041**

Location: **47290 Hwy 12** Buxton, NC

> Structural Roof Framing Plan

March 10, 2023

3/16" = 1'-0"

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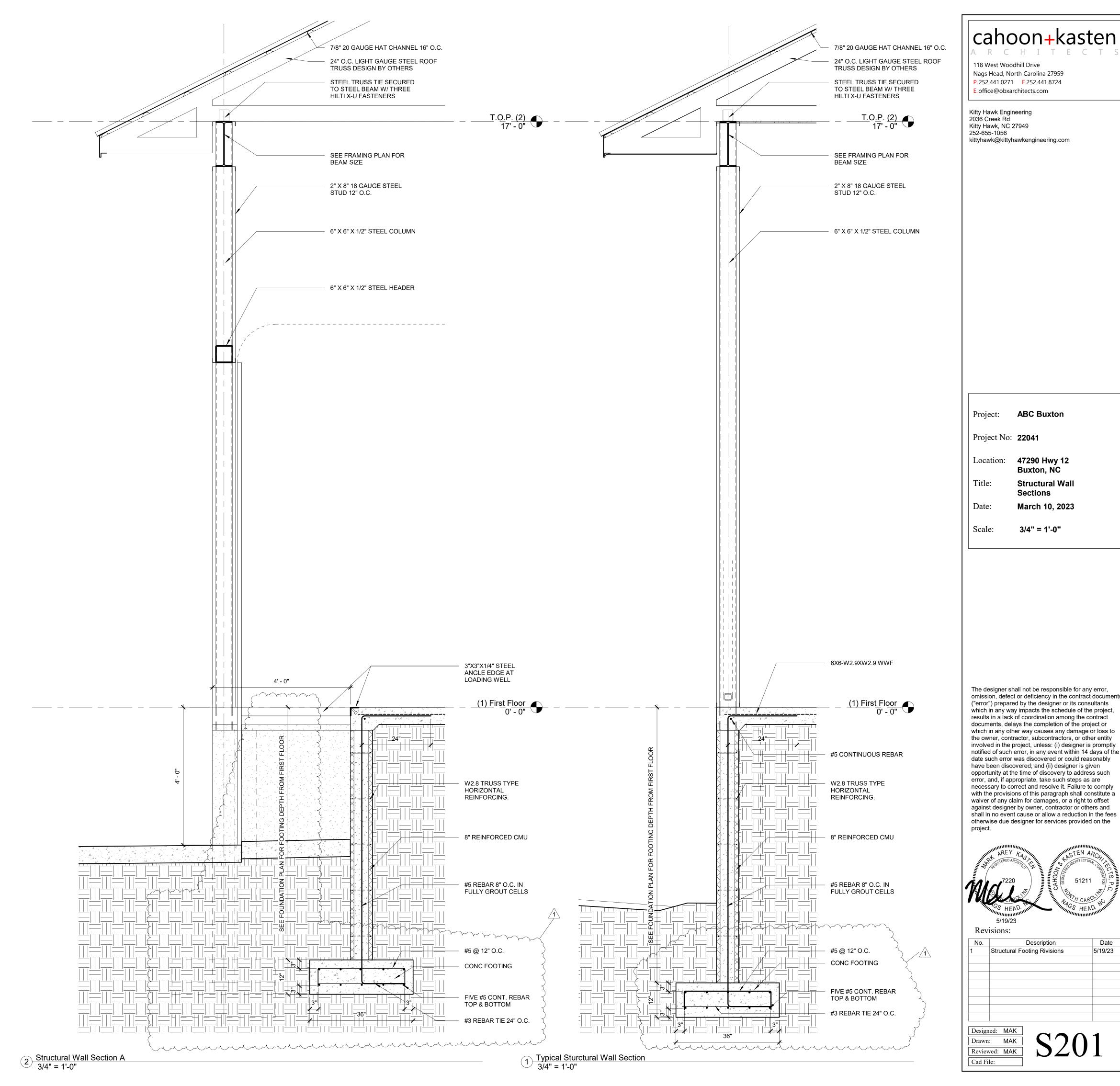


Revisions:

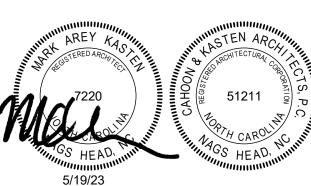
Description

Reviewed: MAK

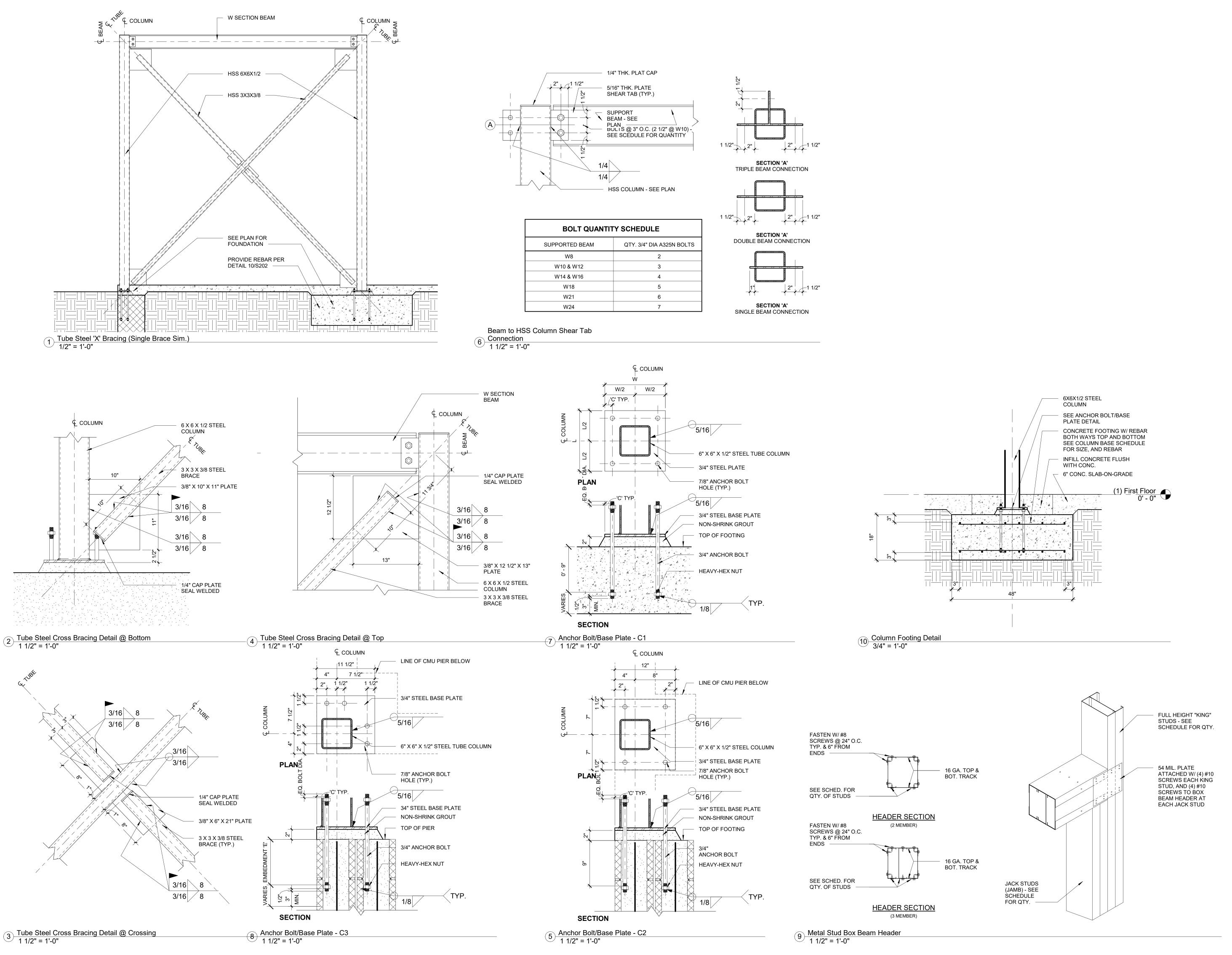
1 Roof Plan 3/16" = 1'-0"



omission, defect or deficiency in the contract documents notified of such error, in any event within 14 days of the with the provisions of this paragraph shall constitute a



No.	Description	Date
1	Structural Footing Rivisions	5/19/23
		1



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ABC Buxton Project:

Project No: **22041**

Location: **47290 Hwy 12 Buxton, NC**

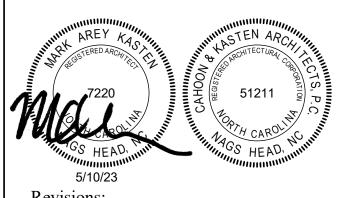
March 10, 2023

Structural Details

As indicated

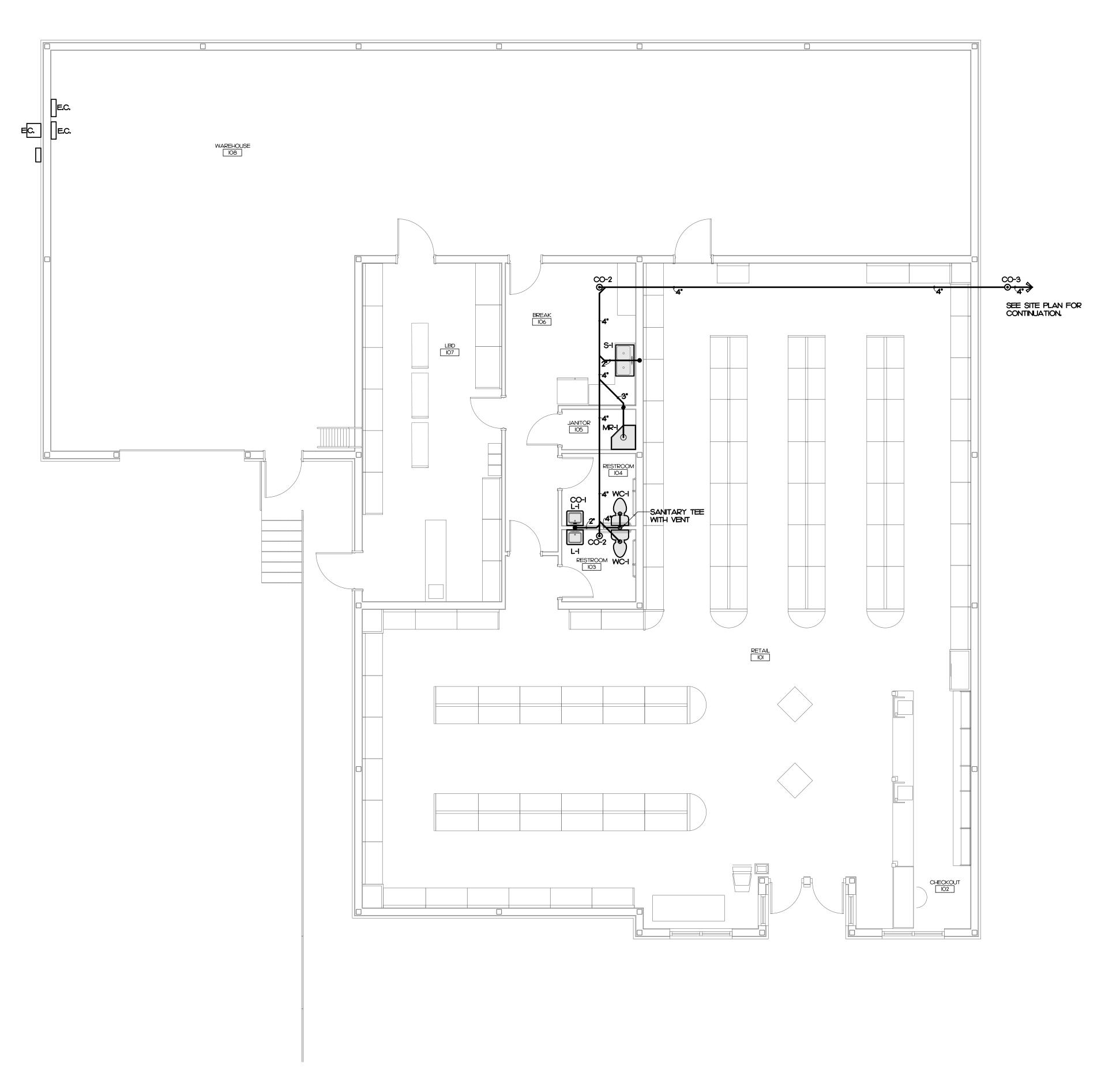
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The designer shall not be responsible for any error,



Revisions: No. Description Date

Drawn: Reviewed: MAK Cad File:

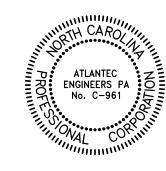


ARCHITECTS

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ATLANTEC ENGINEERS, PA

3221 BLUE RIDGE ROAD, SUITE 113 RALEIGH, NC 27612 (919) 571-1111 **22223**





ABC Buxton Project:

Project No: 22041

Location: 47290 Hwy 12 Buxton, NC

PLUMBING Title:

March 10th, 2023 As indicated

PLUMBING WASTE PLAN FIRST FLOOR

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Revisions:

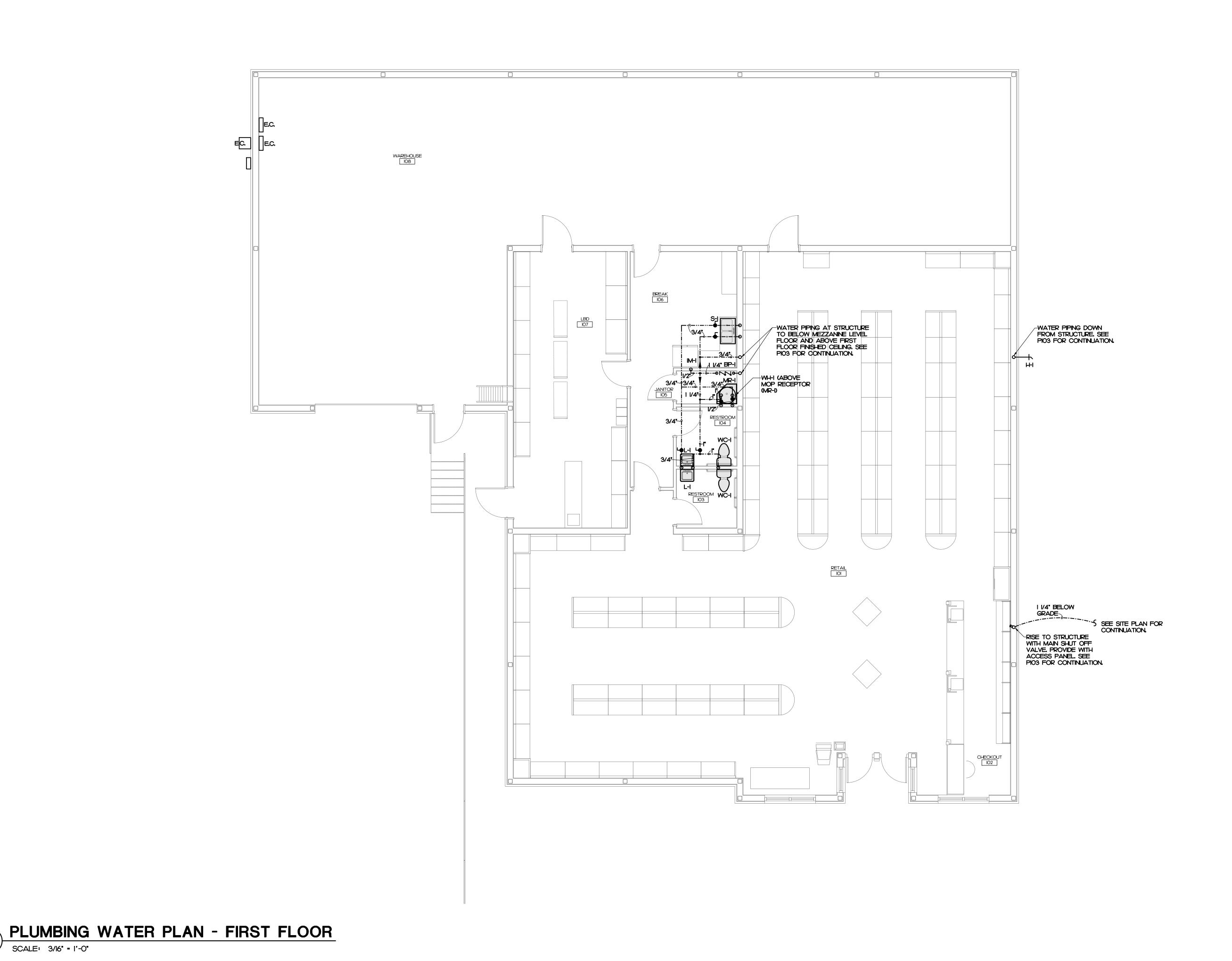
No.	Description	Date

Reviewed: JBD

P101

PLUMBING WASTE PLAN - FIRST FLOOR

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

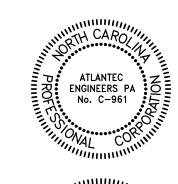


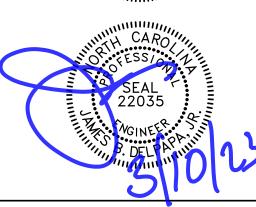
ARCHITECTS

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ATLANTEC ENGINEERS, PA

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ABC Buxton Project: Project No: 22041

Location: 47290 Hwy 12 Buxton, NC **PLUMBING** Title:

March 10th, 2023

As indicated

PLUMBING WATER PLAN FIRST FLOOR

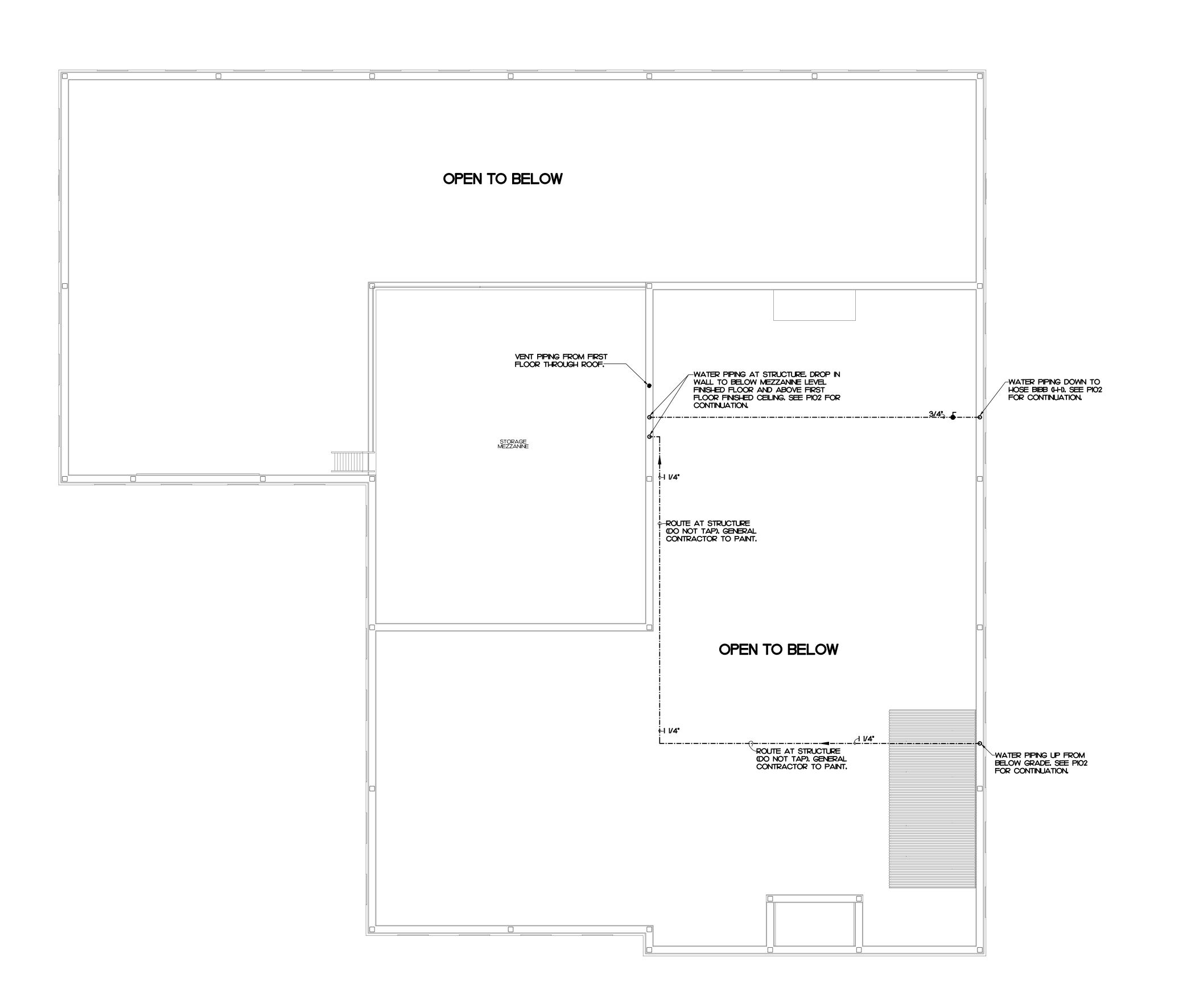
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Revisions:

INO.	Description	Date

Designed: JAD
Drawn: JAD Reviewed: JBD

P102

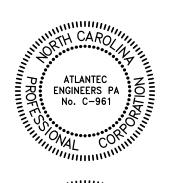


ARCHITECTS

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TLANTEC ENGINEERS, PA

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ABC Buxton Project:

Project No: 22041

Location: 47290 Hwy 12 Buxton, NC

PLUMBING Title:

March 10th, 2023

As indicated

PLUMBING PLAN **MEZZANINE** FLOOR

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered. in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the project.

Revisions:

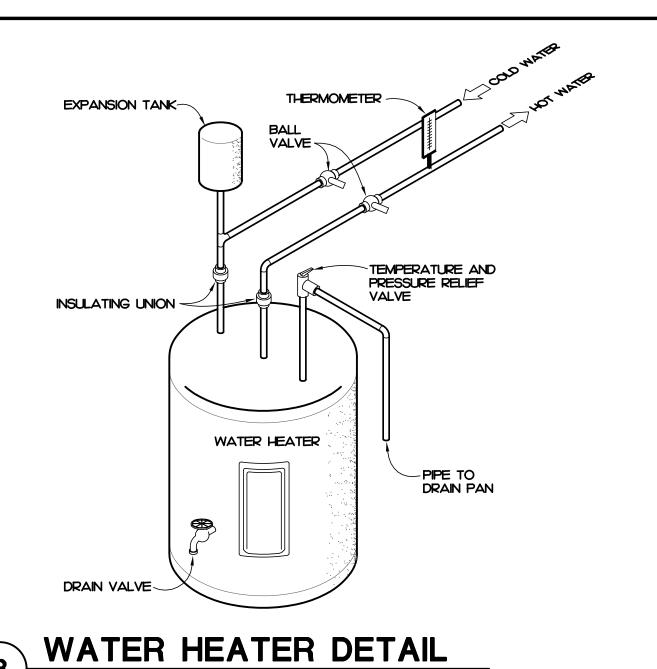
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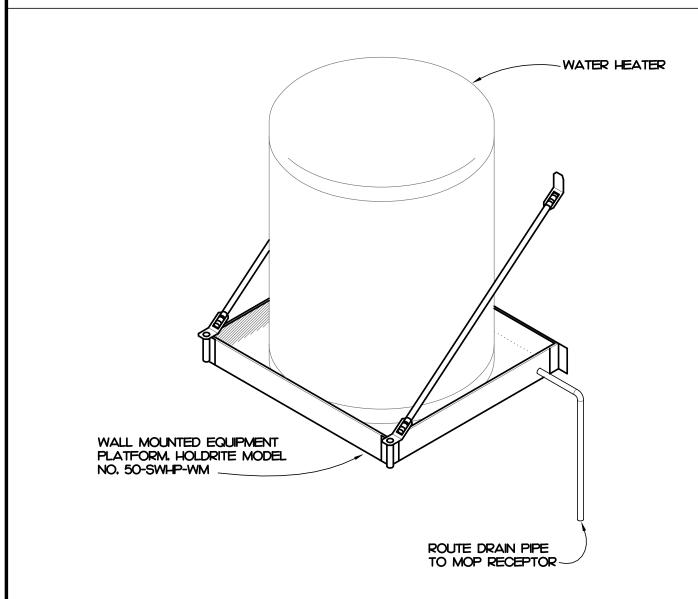
Designed: JAD
Drawn: JAD Reviewed: JBD Cad File:

P103

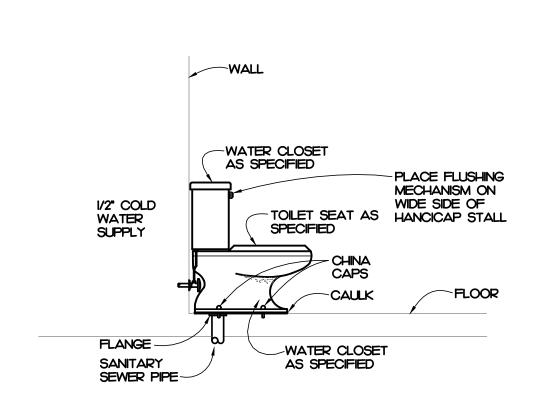
PLUMBING PLAN - MEZZANINE

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





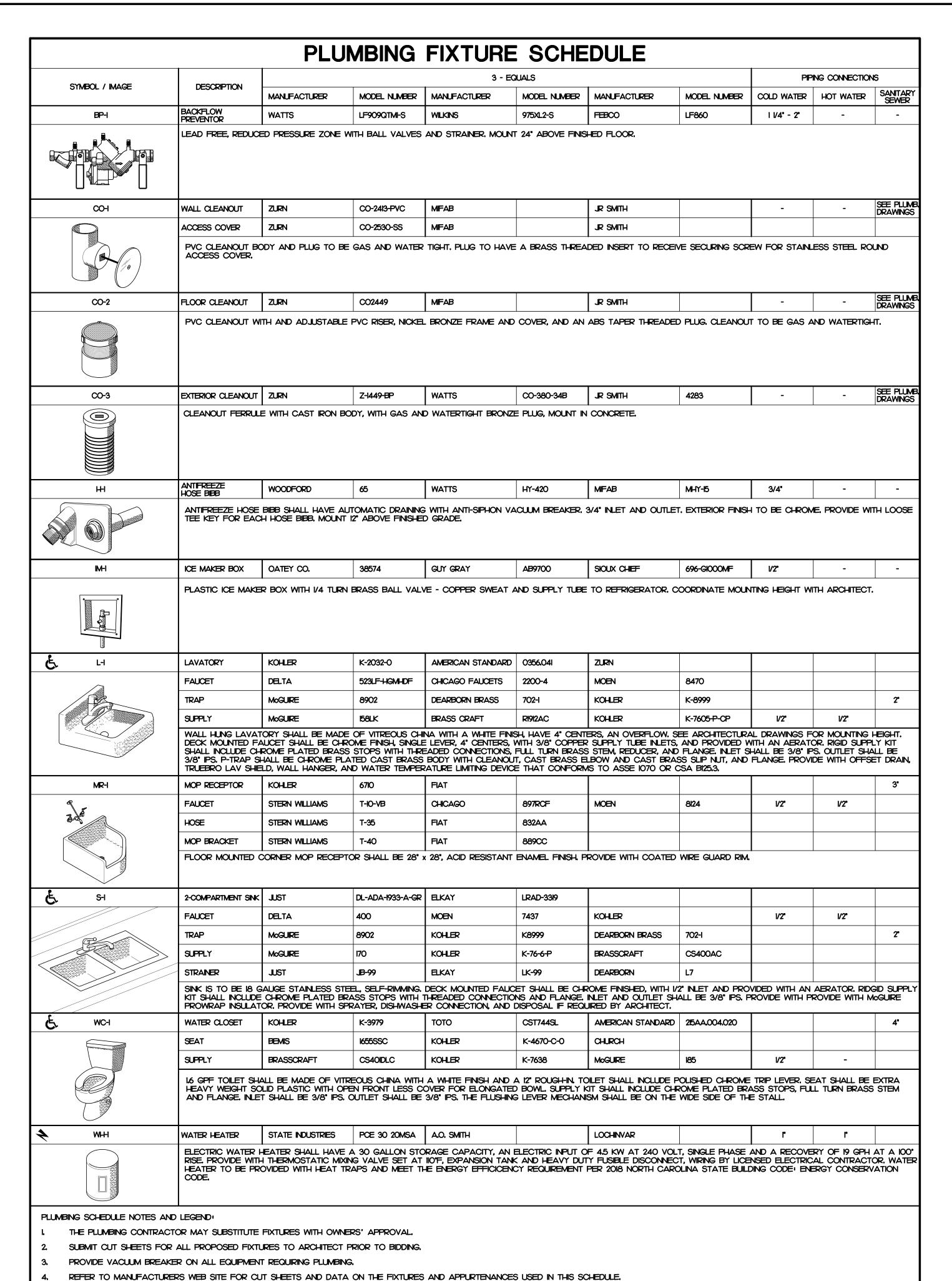
WATER HEATER MOUNTING DETAIL SCALE: NOT TO SCALE



ADA COMPLIANT
ELECTRICAL POWER

GAS FIRED

WATER CLOSET DETAIL



PLUMBING GENERAL NOTES

- 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.
- I. 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 ATTENTION.

 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. ALL PIPE, FITTINGS, FIXTURES, AND SOLDER TO BE LEAD FREE.
- 8. 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 HYDROSTATICALLY 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,
- 9. WATER PIPING LOCATED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
- 10. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED, INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS, INSULATION SHALL BE I' FIBERGLASS, EXPOSED PIPING TO BE WRAPPED WITH ALLIMINUM JACKET.
- STENCIL ALL PIPING WITH IDENTIFICATION AND FLOW ARROW 10'-0" ON CENTER AT BOTH SIDES OF WALL PENETRATIONS AND AT EACH TAKE OFF.
- 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'-O" ABOVE FINISHED CEILING.
- 13. PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
- 14, WATER HEATERS SHALL HAVE AND EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE
- 15. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
- 16. SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC, CELLULAR CORE (FOAM CORE) IS NOT ALLOWED, SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
- 17. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK,
- 18. 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.
- 19. 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.
- 20. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- 21. ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 15'-O" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-O" 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 INDIRECT WASTE IS TO BE PROVIDED WITH AN AIR GAP 2 TIMES THE SIZE OF THE WASTE INLET.
- 24. THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MANHOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
- 25, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE
- 26. THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

PLUMBING SYMBOL LEGEND

i Edividina d	TIMBOL LEGEND
SYMBOL	DESCRIPTION
	COLD WATER PIPING
	WATER PIPING DIRECTION OF FLOW
·····	COLD WATER PIPING BELOW FINISHED FLOOR
	HOT WATER PIPING
	BALL VALVE
9	WATER PIPING TURNED DOWN
0	WATER PIPING TURNED UP
	PIPING SIDE CONNECTION
	SANITARY SEWER / WASTE PIPING
	VENT PIPING
	VENT PIPE UP
o—	NON FREEZE WALL HYDRANT
	PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR
⊙ ———	FLOOR CLEANOUT
1	WALL CLEANOUT
O	FLOOR DRAIN
<u> </u>	FLOOR SINK
E.C.	ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR. ROUTE PIPING TO AVOID.

PLUMBING LOAD SUMMARY

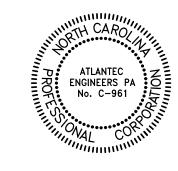
SANITARY SEWER	WATER	WATER	
DEMAND	DEMAND	DEMAND	
FU	FU	GPM	
15.0	22.0	21.0	

cahoon + kaster

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Project: ABC Buxton

Project No: 22041

Location: 47290 Hwy 12 Buxton, NC

Title: PLUMBING

Date: March 10th, 2023

Scale: As indicated

PLUMBING NOTES, LEGENDS, DETAILS & FIXTURE SCHEDULE

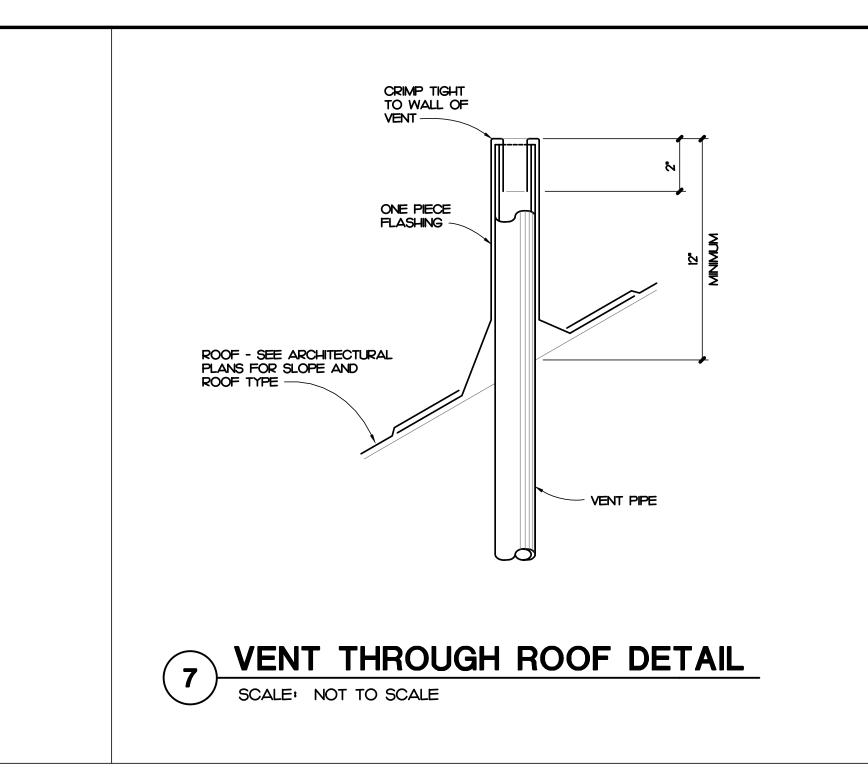
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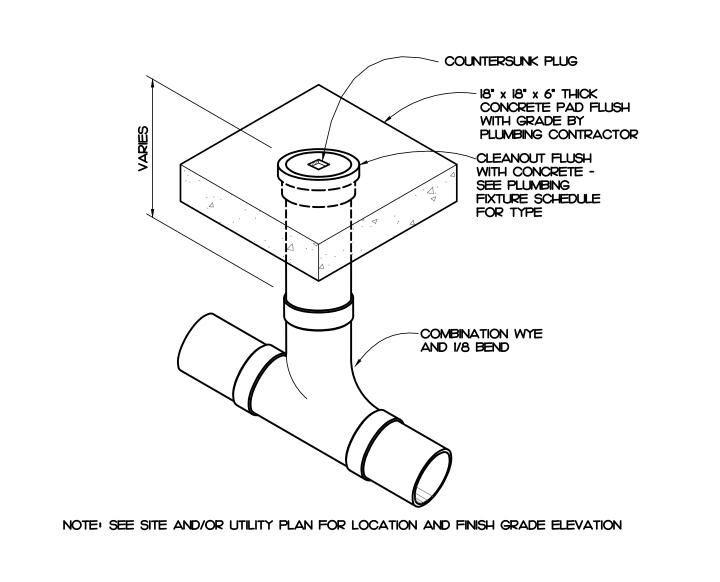
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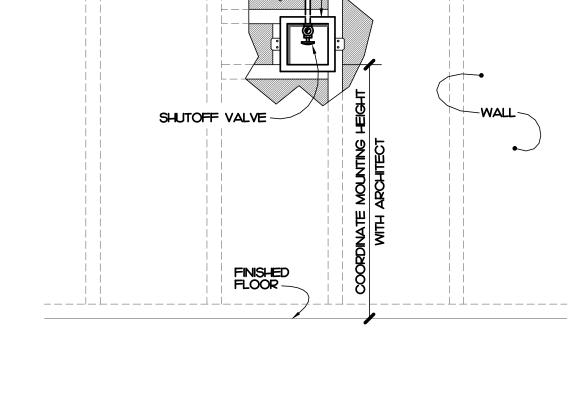
No. Description Date

Designed: JAD
Drawn: JAD
Reviewed: JBD

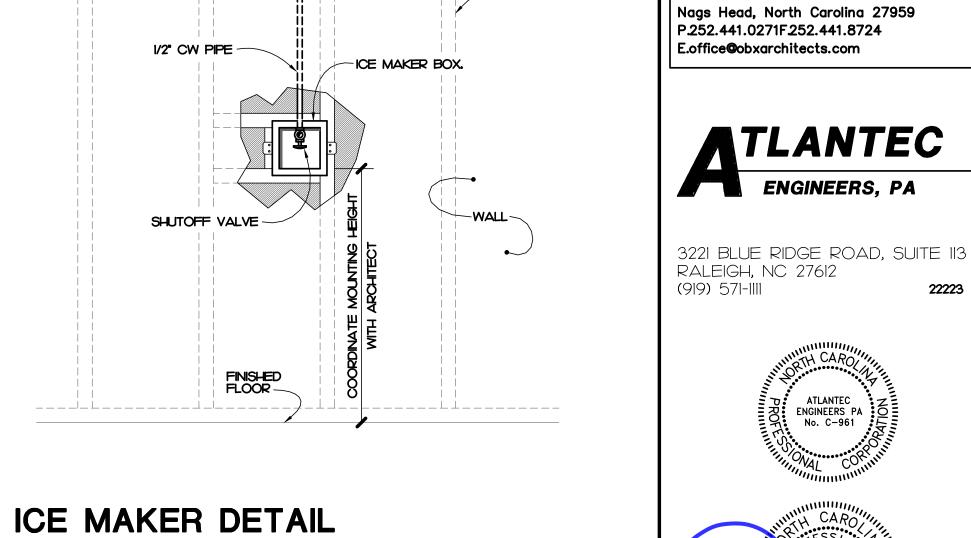
P201

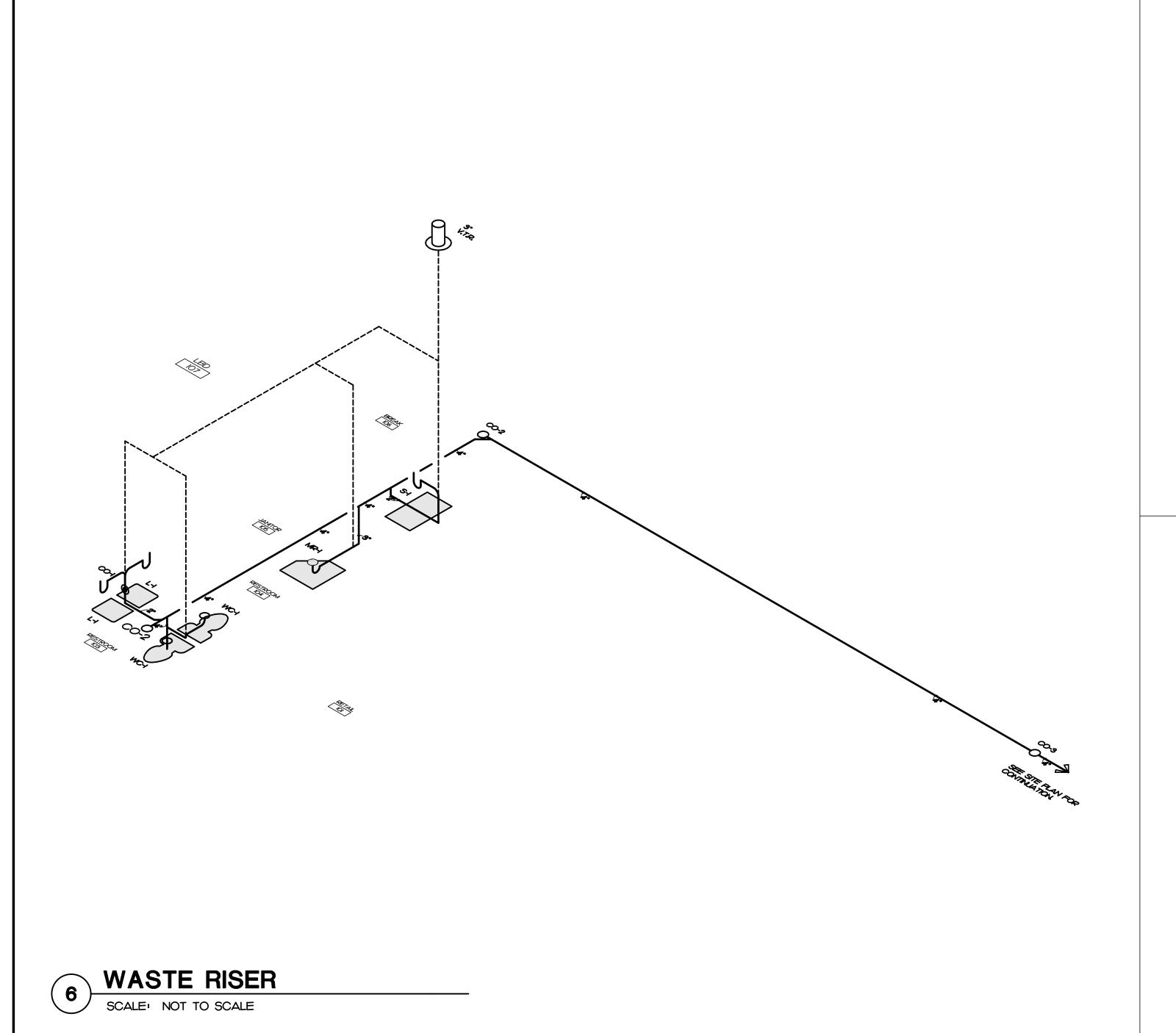


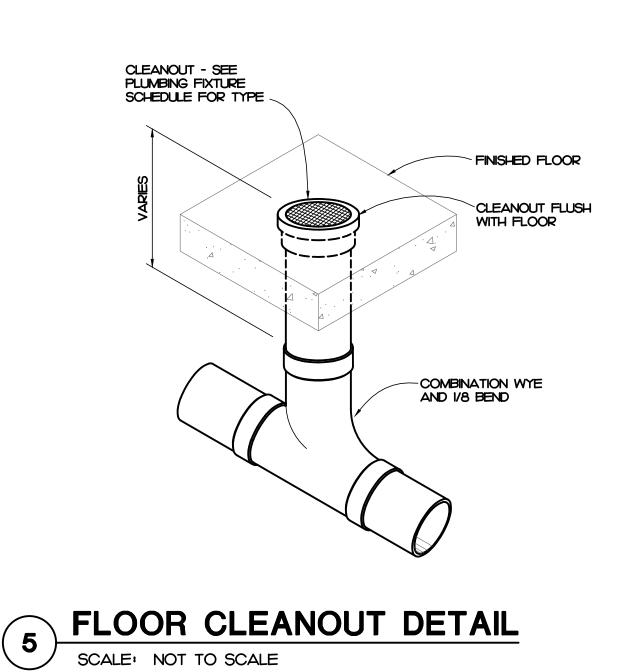




SCALE: NOT TO SCALE







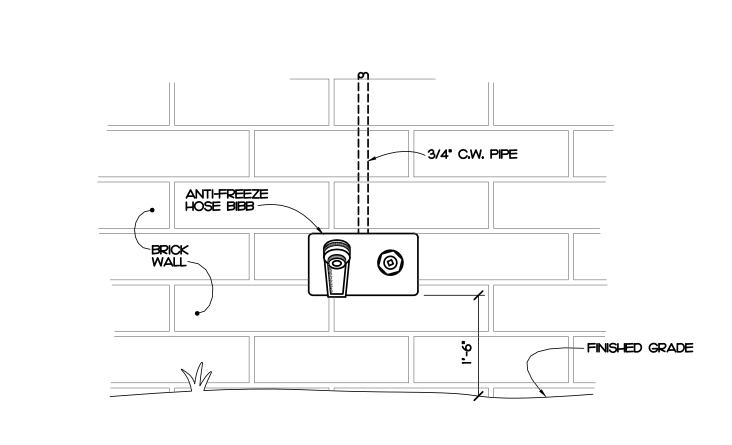
- CLEANOUT

WALL ACCESS COVER

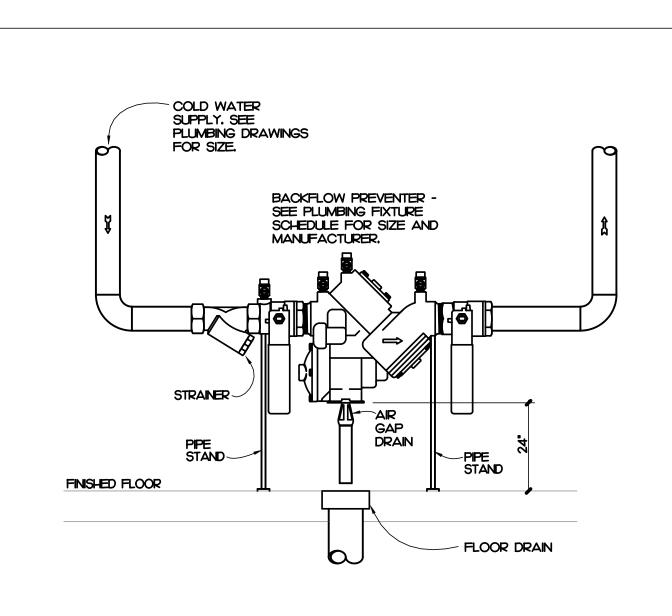
FINISHED FLOOR

EXTERIOR CLEANOUT DETAIL

SCALE: NOT TO SCALE









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A R C H I T E C T S

ABC Buxton

47290 Hwy 12 Buxton, NC

PLUMBING

As indicated

PLUMBING

DETALS (CONT.)

AND WASTE

RISER

March 10th, 2023

Project:

Title:

Project No: 22041

22223

118 West Woodhill Drive

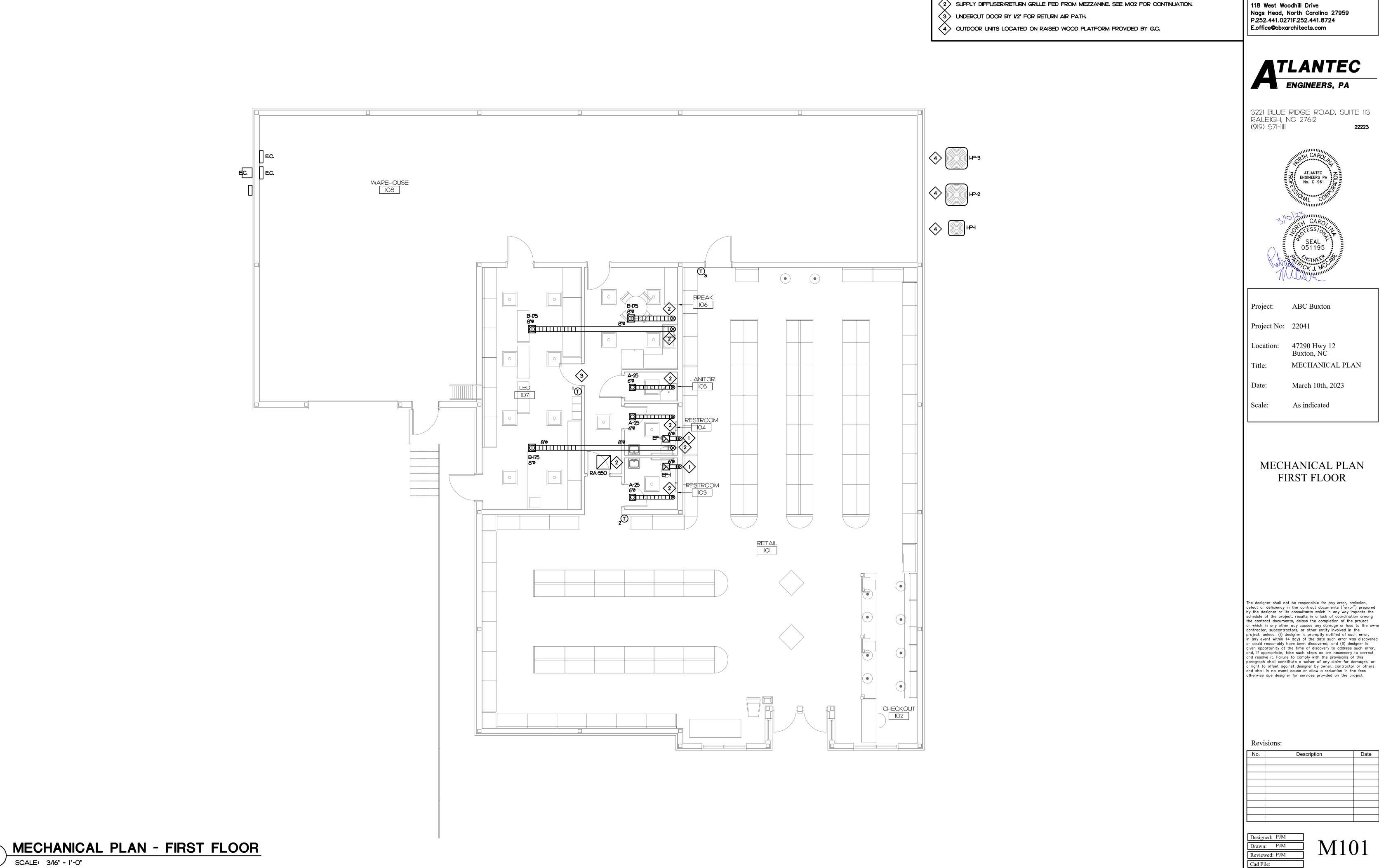
No.	Description	Dat

Designed: JAD
Drawn: JAD P202 Reviewed: JBD

WALL CLEANOUT DETAIL

SCALE: NOT TO SCALE

WASTE PIPE



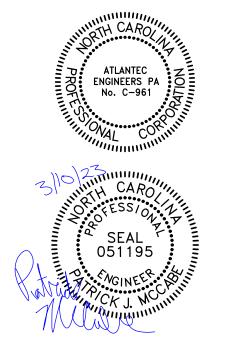
|cahoon + kasten ARCHITECTS

MECHANICAL KEY NOTES

6" EXHAUST DUCT UP TO SECOND FLOOR IN WALL, SEE MIO2 FOR CONTINUATION.

118 West Woodhill Drive

3221 BLUE RIDGE ROAD, SUITE 113



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No.	Description	Date

MECHANICAL KEY NOTES

6°0 EXHAUST DUCT UP FROM FIRST FLOOR IN WALL, COMBINE TO ONE 8°0 EXHAUST DUCT OUTSIDE OF WALL AND TERMINATE WITH ROOF CAP.

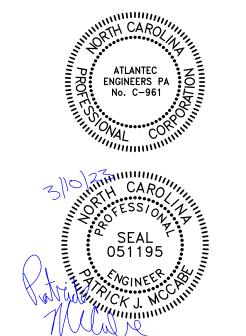
DUCT DOWN TO SUPPLY DIFFUSER/RETURN GRILLE ON FIRST FLOOR, SEE MIOI FOR CONTINUATION.

Cahoon + kasten A R C H I T E C T S 118 West Woodhill Drive

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Project: ABC Buxton

Project No: 22041

Location: 47290 Hwy 12 Buxton, NC

Date: March 10th, 2023

MECHANICAL PLAN

le: As indicated

MECHANICAL PLAN SECOND FLOOR

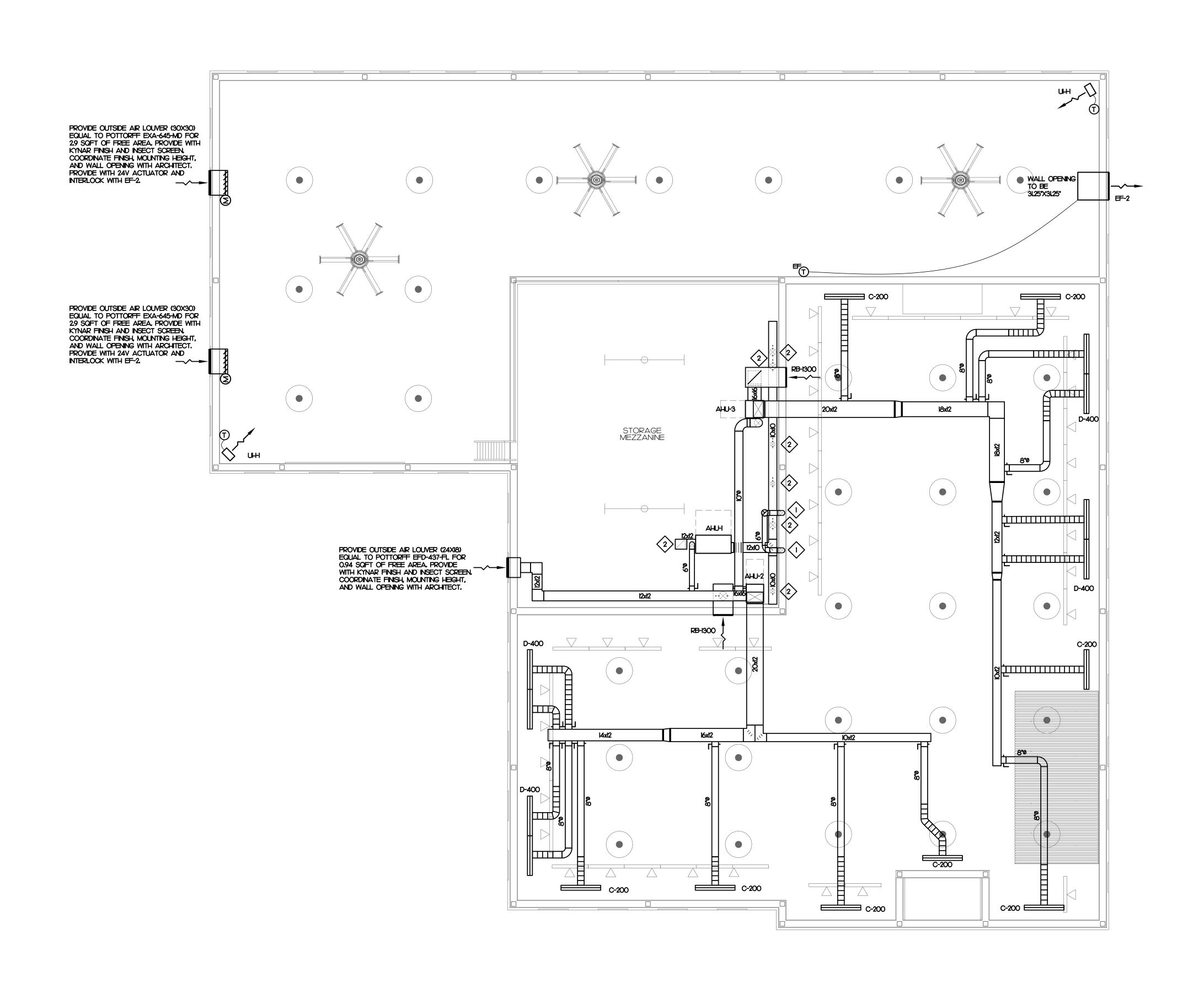
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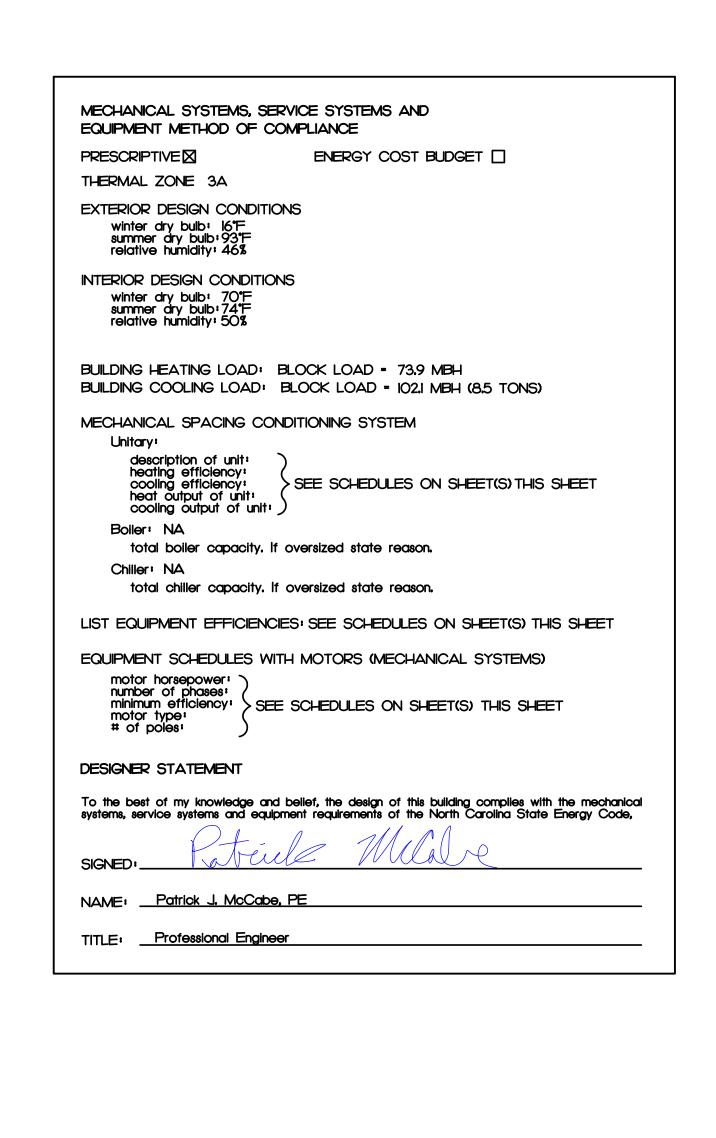
Revisions:

No.	Description	Date
	·	

Designed: PJM
Drawn: PJM
Reviewed: PJM

Reviewed: PJM





	SPLIT-SYSTEM HEAT PUMP SCHEDULE																		
	INSIDE UNIT OUTSIDE UNIT																		
MARK	BASIS OF DESIGN	CFM	=AN S.P.	HP	SUPP. HEAT	ELE POWER	CTRIC FLA	CAL MOCP	MARK	BASIS OF DESIGN		ACITY SENSIBLE	HEATING CAPACITY	ELE POWER	CTRIC FLA			HEATING	NOTES
	TRANE GAM5BOAI8				4.8 kW		22.8		HP-I	TRANE 4TWR5018	18.5 MBH	13.4 MBH	10.6 MBH	230/1	9.6	20	15.0 SEER	8.5 HSPF	I - 9
4HU-2	TRANE GAM5BOC48	1600	0.5	3/4	14.4 kW	230/1	60.0	90	HP-2	TRANE 4TWR5048	48.2 MBH	35,4 MBH	29.2 MBH	230/1	19.4	40	15.0 SEER	8.5 HSPF	I - 9
4HU-3	TRANE GAM5BOC48	1600	0.5	3/4	14.4 kW	230/1	60.0	90	HP-3	TRANE 4TWR5048	48.2 MBH	35,4 MBH	29.2 MBH	230/1	19.4	40	15.0 SEER	8.5 HSPF	I - 9
OTES:											_	_							

NOT

- I. PROVIDE WITH FUSIBLE DISCONNECT ON INDOOR AND OUTDOOR UNITS.
- 2. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
- 3, PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH IO HR BATTERY BACKUP AND 2 HOUR OVERRIDE., 4. SEE OUTSIDE AIR SUMMARY FOR OUTSIDE AIR INTAKE FLOW SETTINGS.

17,000 | 21.0 | 5.0 | 240/1 | 1-3

- 5. PROVIDE WITH CONDENSATE PUMP AND ROLITE CONDENSATE TO EXTERIOR SPLASH BLOCK.
- 6. PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0 DEGREES FAHRENHEIT. 7. PROVIDE WITH 2" PLEATED FILTER RACK AND FILTER AT UNIT.
- 8. PROVIDE SIMPLE ENGINEERED SOLUTIONS DEHUMIDIFICATION CONTROL MODULE WITH WALL MOUNTED HUMIDISTAT.
- 9. PROVIDE WITH SALT SPRAY COATING ON OUTDOOR UNIT AND INDOOR COIL.

ELECTRIC UNIT HEATER SCHEDULE LOCATION

WAREHOUSE

EXHAUST FAN SCHEDULE										
MARK	BASIS OF DESIGN	SERVICE	TYPE	CFM	RPM	HP/AMPS	S.P.	POWER	NOTES	
EF-I	COOK GC-140	TOILET	CABINET FAN	105	1500	67 Watts	0.25	120/1	I-3	
EF-2	COOK 24-XMP	WAREHOUSE	SIDEWALL FAN	4600	1725	3/4 HP	0.25	120/1	1,2,4	

I. PROVIDE WITH DISCONNECT SWITCH. 2. PROVIDE WITH BACKDRAFT DAMPER.
3. CONTROL VIA LIGHT SWITCH BY E.C. 4. PROVIDE WITH WALL MOUNTED THERMOSTAT.

GRILLE & DIFFUSER SCHEDULE

MARK	BASIS OF DESIGN	SERVICE	TYPE	MAX. CFM	FACE SIZE	NECK SIZE	NOTES
Α	PRICE SMD	SUPPLY	SURFACE MOUNT	100	8X8	6 " Ø	1,2,4,5
В	PRICE SMD	SUPPLY	SURFACE MOUNT	200	IOXIO	8*ø	1,2,4,5
С	PRICE LBPH 16B	SUPPLY	LINEAR BAR GRILLE	200	48X2	8.0	5
D	PRICE LBPH 16B	SUPPLY	LINEAR BAR GRILLE	400	96X2	(2)8"ø	I - 5
RA	PRICE 530	RETURN	SURFACE MOUNT	550	16X14	14X12	l-4
RB	PRICE 530	RETURN	SIDEWALL GRILLE	1300	26X22	24X2O	I-4

- I. COORDINATE FINISH WITH ARCHITECT.
- 2. GRILLE TO HAVE FULLY LOUVERED FACE.
- 3. PROVIDE WITH INSULATED SHEET METAL PLENUM. 4. FRAME FOR SURFACE MOUNTING.
- 5. PROVIDE WITH OPPOSED BLADE DAMPER

GENERAL NOTES

- 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
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M.C. SHALL
- 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
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS,
- REFER TO THE ARCHITECTURAL PLANS. 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.
- INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AT ALL AIR HANDLING UNITS.

EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO HIS EQUIPMENT.

- 3. INSTALL TURNING VANES IN SUPPLY DUCTS AT ELBOWS. PROVIDE BALANCING AND SPLITTER DAMPERS WHERE SHOWN AND AS REQUIRED FOR SYSTEM BALANCING.
-). ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
- IO. THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER HIS CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
- 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 10'-0".

COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.

- 3. 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.
- 4, ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS, EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8, UNLESS NOTED OTHERWISE,
- 5. 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 +/- IO% OF THE DESIGN VALUES LISTED ON THESE PLANS.
- 16. THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
- 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
- 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.

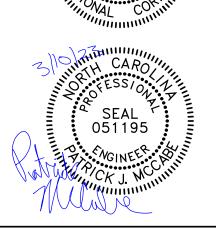
cahoon + kasten

RCHITECTS 118 West Woodhill Drive Nags Head, North Carolina 27959 P.252.441.0271F.252.441.8724 E.office@obxarchitects.com



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





ABC Buxton Project:

Project No: 22041

47290 Hwy 12 Location:

Buxton, NC

MECHANICAL PLAN Title:

March 10th, 2023

As indicated

Scale:

SYMBOL LEGEND

STMD	JL LEGEND
SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	FLEXIBLE DUCT
\boxtimes	SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM
	RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	SIDEWALL SUPPLY GRILLE - LETTER ξ NUMBER INDICATES TYPE ξ CFM
	SIDEWALL RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST FAN
T	THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR
₹ ED	BALANCING DAMPER
	ELBOW WITH TURNING VANES
—— c ——	CONDENSATE DRAIN
M	MOTOR OPERATED DAMPER

LEGEND, AND **SCHEDULES**

MECHANICAL NOTES,

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OUTSIDE AIR SUMMARY

RETAIL = 2774 SQFT * 0.12 CFM/SQFT + 41 PERSONS * 7.5 CFM/PERSON = 640 CFM LBD = 436 SQFT * 0.12 CFM/SQFT + 2 PERSONS * 7.5 CFM/PERSON = 67 CFM BREAK = 374 SQFT * 0.06 CFM/SQFT + 3 PERSONS * 5 CFM/PERSON = 38 CFM

TOTAL REQUIRED = 745 CFM

PROVIDED: AHU-I = 100 CFM

TOTAL PROVIDED = 750 CFM

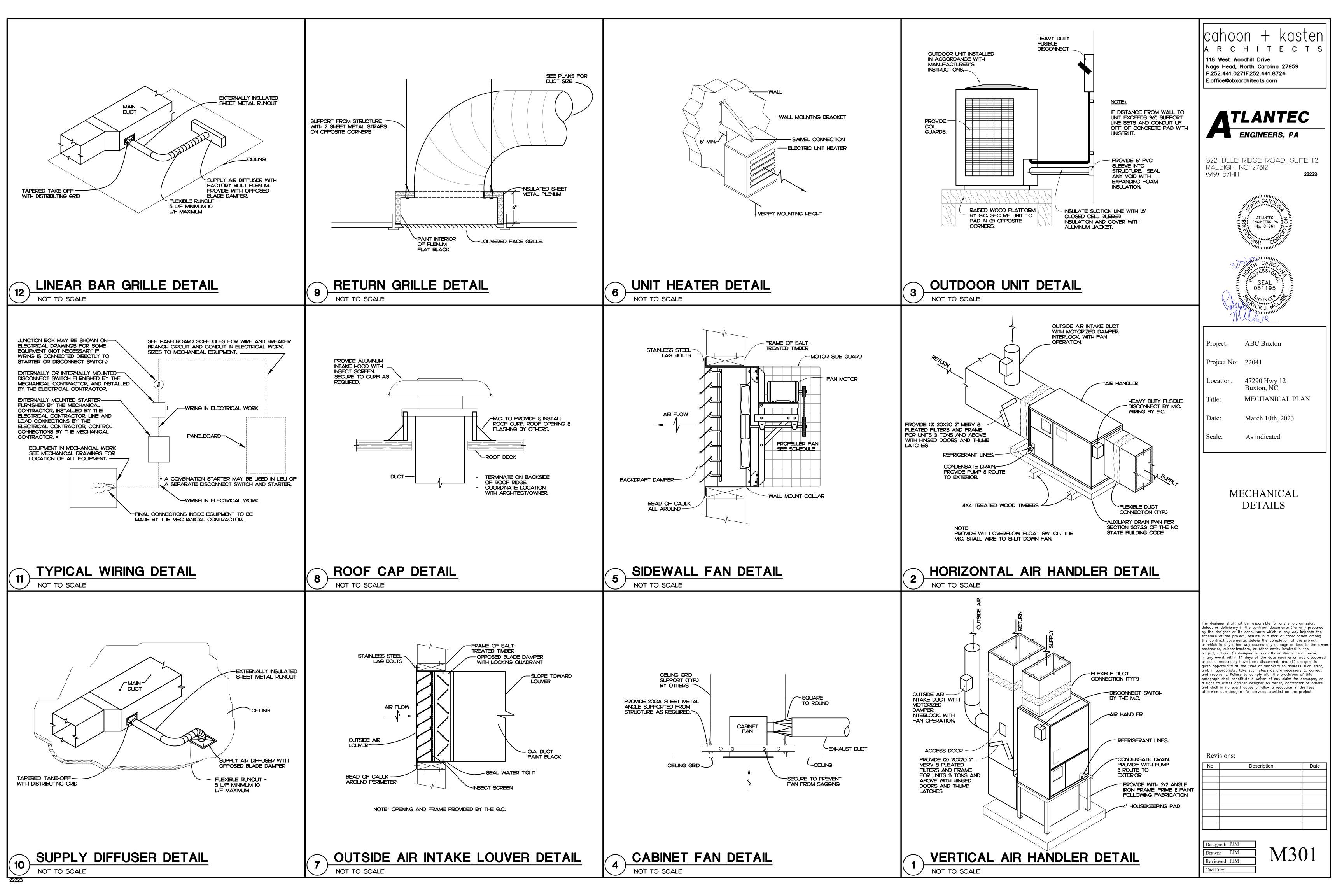
Revisions:

ı	INO.	Description	Date

Reviewed: PJM

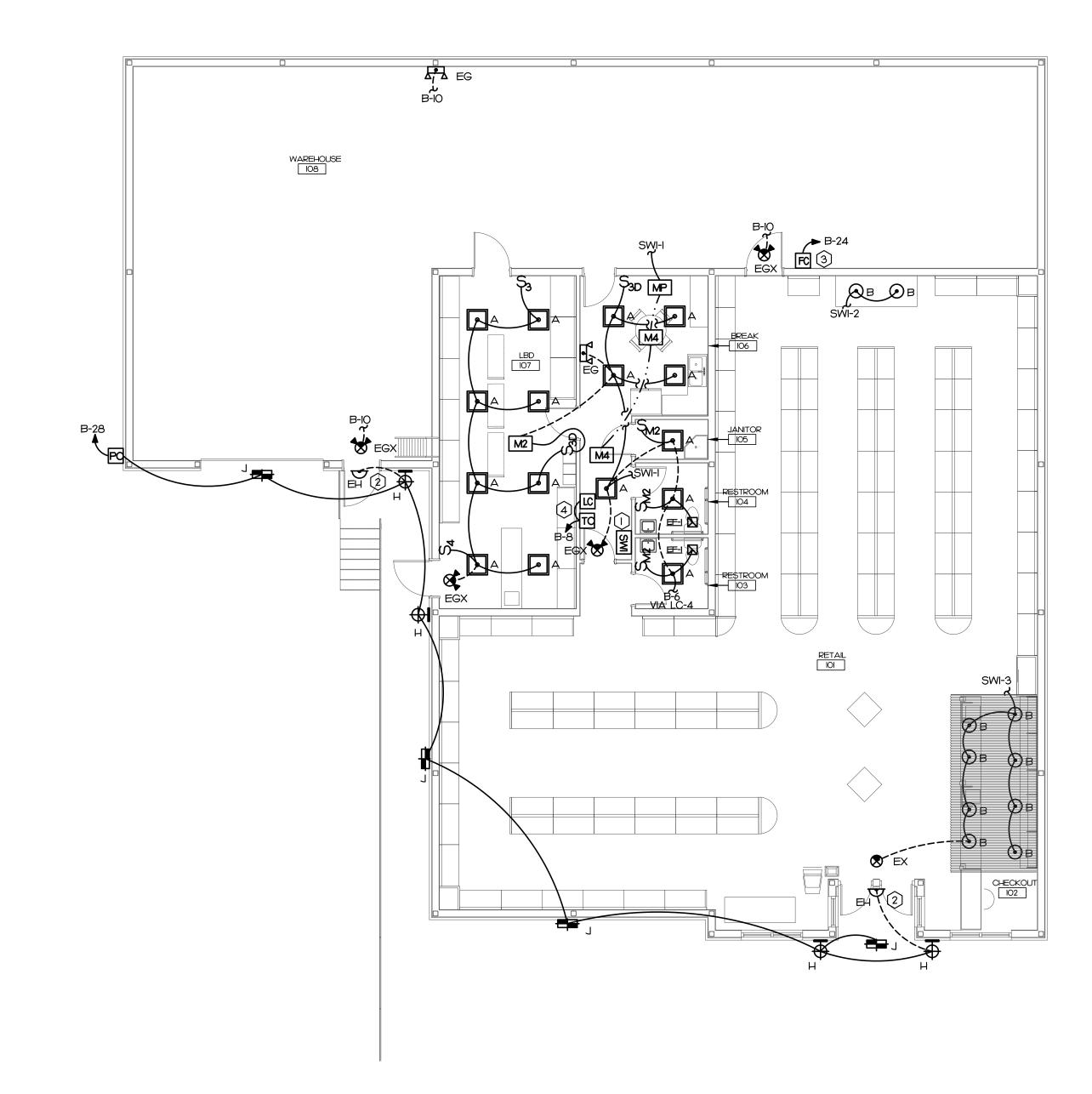
M201

AHU-2 = 325 CFM AHU-3 = 325 CFM





- (1) SEE 2/EIOI FOR DETAILS
- FIXTURE TO BE USED AS EXTERIOR EMERGENCY LIGHT. CONNECT BATTERY BACKUP AHEAD OF PHOTOCELL CONTROL
- FAN CONTROL PANEL, FIELD COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN, SEE 2/E201 FOR DETAILS.
- 4 SEE 3/E201 FOR DETAILS



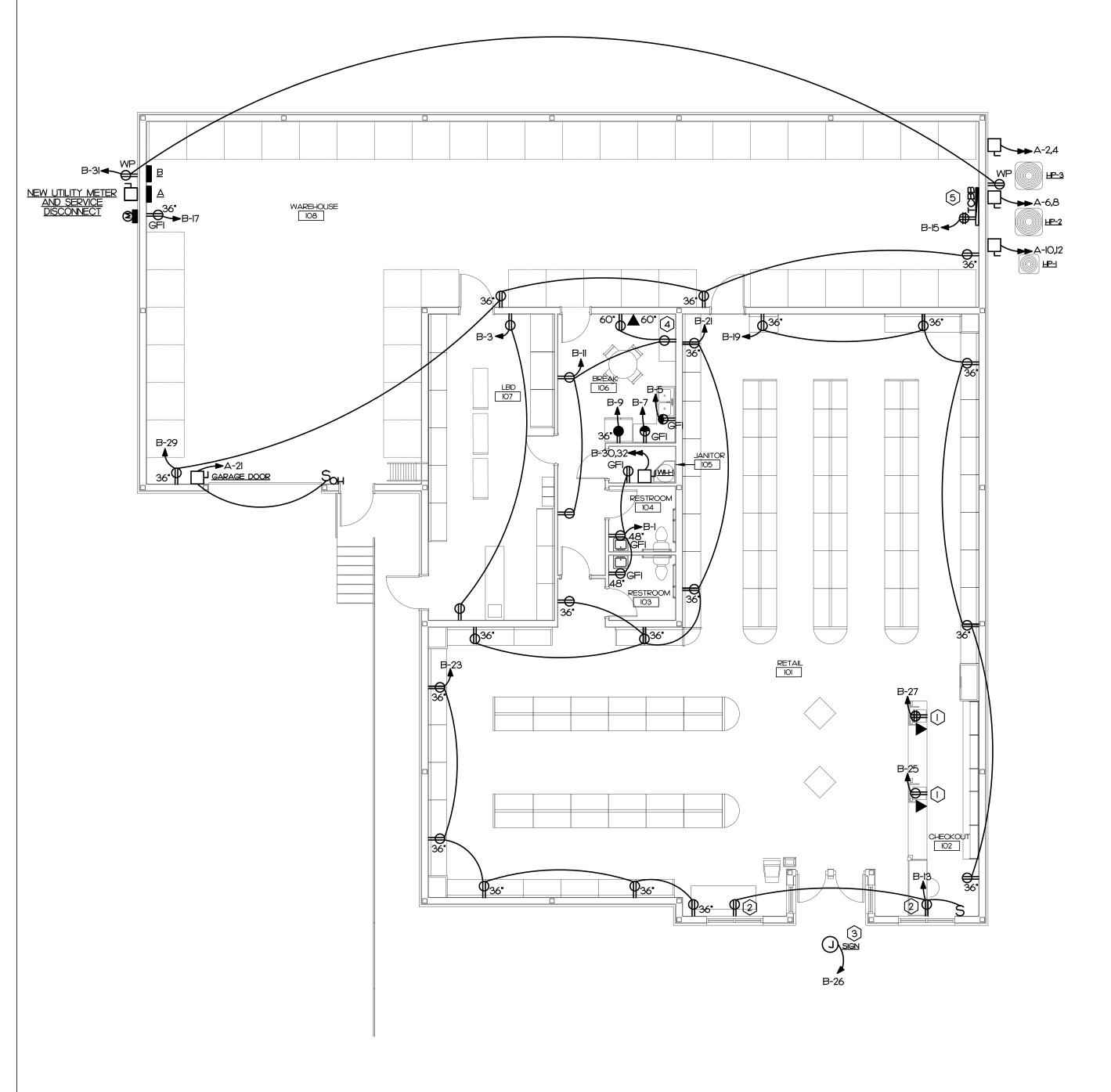
"A" 106	"B" 101	"B" 101	"C" 101	"C" 101	"D" 101	TIMECLOCK OVERRIDE	
SWI-I	SWI-2	SWI-3	SWI-4	SWI-5	SWI-6	SWI-7	
S 3 B-6 VIA LC-4	()	\$ 		S _{DI} B-2 VIA LC-2	Sol B-2 VIA LC-I	S _r	SWI

LIGHTING PLAN FIRST FLOOR

SWITCHGANG DETAIL NOT TO SCALE

KEY NOTES

- RECEPTACLE AND DATA OUTLET AT CASEWORK.
 COORDINATE LOCATION AND MOUNTING HEIGHT WITH
 ARCHITECT PRIOR TO ROUGH-IN
- 2 INSTALL RECEPTACLE WITHIN 18" OF TOP OF SHOW WINDOWS PER NEC 210.62.
- FIELD COORDINATE EXACT LOCATION OF SIGN CIRCUIT PRIOR TO ROUGH IN.
- FIELD COORDINATE RECEPTACLE INSTALLATION WITH ARCHITECT PRIOR TO ROUGH-IN
- COMMUNICATION BOARD;
 STUB 2-2" EMPTY CONDUITS TO PROPERTY LINE PER TELEPHONE COMPANY. PROVIDE WITH PULLWIRE.
 PROVIDE GROUND BAR AND I-#6G CU IN I/2" TO PANEL.
 MOUNT RECEPTACLE ON BOARD TO ACCOMMODATE EQUIPMENT



POWER PLAN FIRST FLOOR

ARCHITECTS

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TLANTEC

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





ABC Buxton Project:

Project No: 22041

Location: 47290 Hwy 12 Buxton, NC

Title: Electrical Plan

Date: March 10th, 2023

Scale: As indicated

ELECTRICAL PLAN FIRST FLOOR

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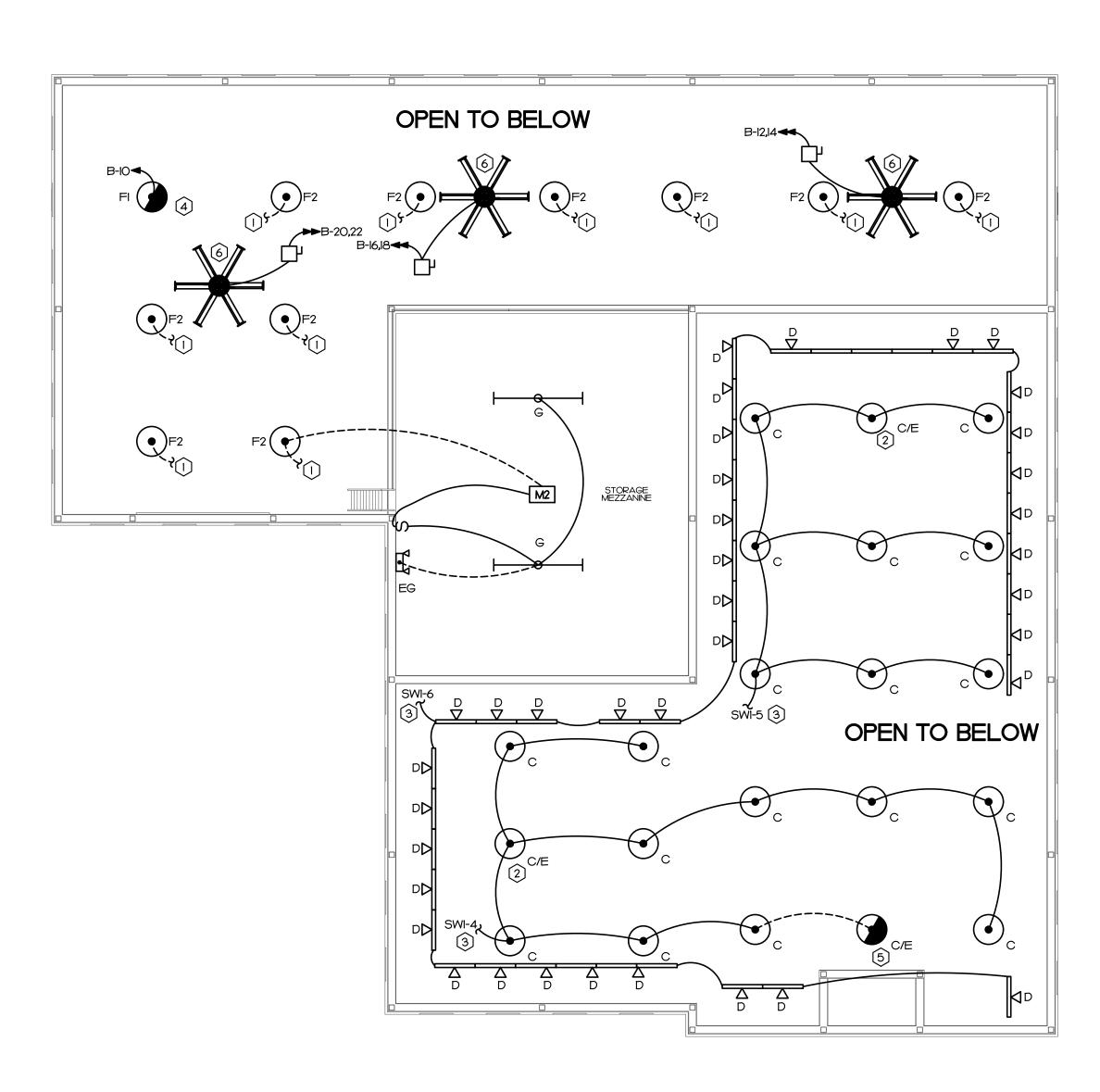
Revisions:

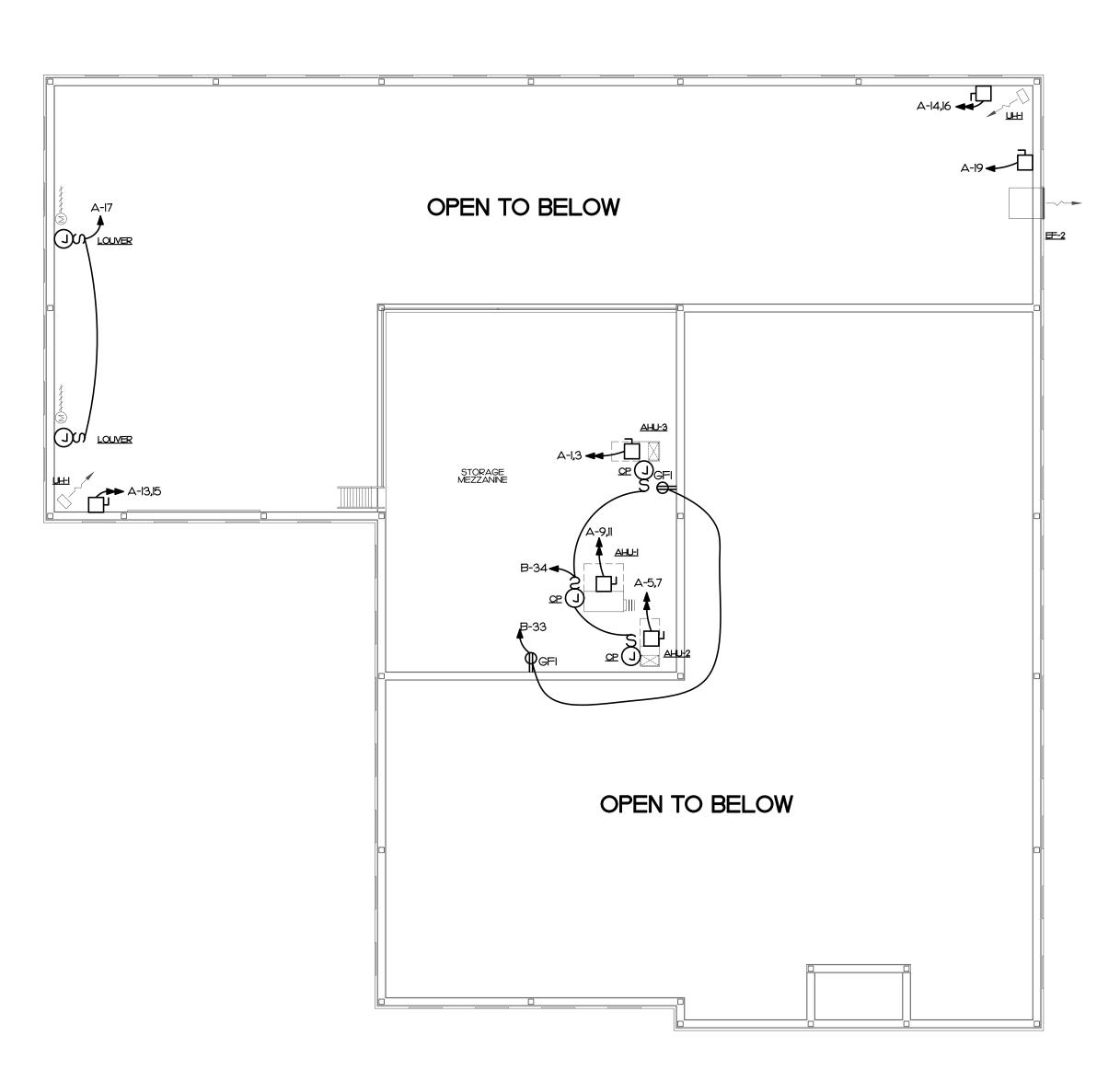
No.	Description	Date

Reviewed: MCB Cad File:

KEY NOTES

- FIXTURES CONTROLLED BY INTEGRAL OCCUPANCY SENSORS, CONNECT TO CIRCUIT B-10
- FIXTURE TO BE USED AS EMERGENCY LIGHT, CONNECT BATTERY BACKUP AHEAD OF LIGHTING CONTROL, FIXTURE TO RETURN TO FULL BRIGHTNESS ON LOSS OF POWER
- 3 SEE 2/EI0I FOR DETAILS
- FIXTURE TO BE USED AS A NIGHT LIGHT. CONNECT UNSWITCHED
- FIXTURE TO BE USED AS A NIGHT LIGHT. CONNECT NORMAL POWER UNSWITCHED. DIM FIXTURE WITH OTHER TYPE 'C' FIXTURES IN THIS AREA, PROVIDE WITH 0-IOV WIRE AS REQUIRED, FIXTURE TO RETURN TO FULL BRIGHTNESS ON LOSS OF POWER
- 6 CONTROL FANS VIA FAN CONTROLLER, SEE 2/E201 FOR DETAILS, INSTALL DISCONNECTS, LIGHT FIXTURES, AND OTHER EQUIPMENT OUTSIDE OF FAN CLEARANCE AREA





POWER PLAN SECOND FLOOR

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ATLANTEC

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





ABC Buxton

Project No: 22041

Location: 47290 Hwy 12 Buxton, NC

Title: Electrical Plan

March 10th, 2023

As indicated

ELECTRICAL PLAN SECOND FLOOR

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Revisions:

No.	Description	Date

Reviewed: MCB Cad File:

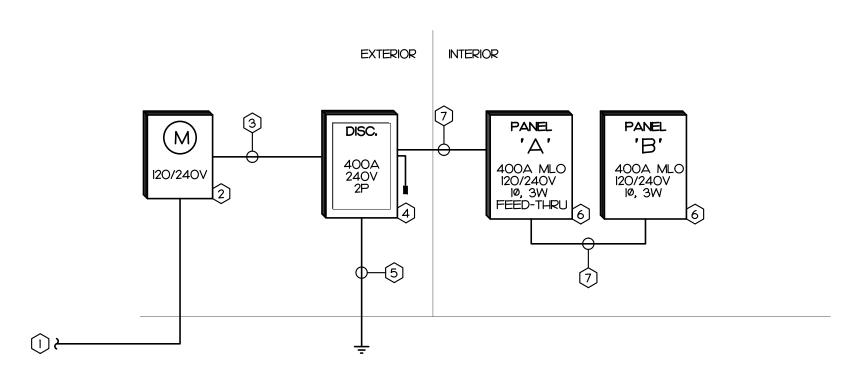


- NEW 120/240V, 10, 3W UNDERGROUND SERVICE CONDUCTORS:

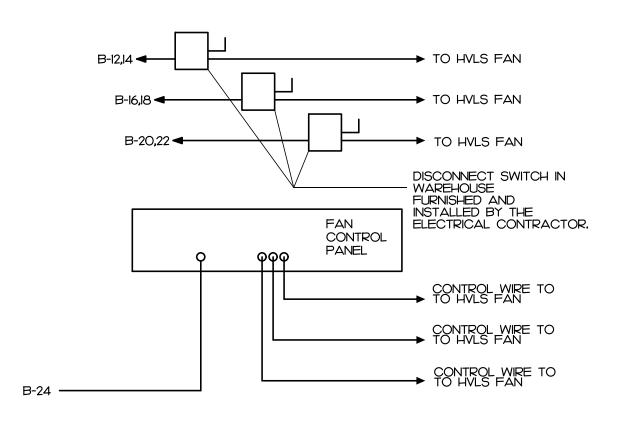
 (2) SETS OF (3) #3/0 IN 3" CONDUIT

 E.C. TO PROVIDE A PRICE PER FOOT.

 IF LOCAL UTILITY PROVIDES UNDERGROUND SERVICE CONDUCTORS, E.C. TO PROVIDE OWNER WITH A CREDIT
- (2) NEW METER BASE IN ACCORDANCE WITH LOCAL UTILITY
- (3) NEW SERVICE ENTRANCE CONDUCTORS:
 (2) SETS OF (3) #3/0 IN 3" CONDUIT
- PROVIDE A 400 AMP, 240 VOLT, 2-POLE, NEMA 4X FUSED SERVICE RATED DISCONNECT. FUSE AT 400 AMPS WITH MINIMUM 22KAIC RATED CURRENT LIMITING FUSES, E.C. SHALL FIELD VERIFY AVAILABLE MAXIMUM FAULT CURRENT WITH UTILITY AND PROVIDE LABEL INDICATING THE CURRENT ON DISCONNECT PER NEC 110.24(A)
- 5 NEW GROUNDING ELECTRODE CONDUCTORS PER NEC 250:
 (I) #2G IN 3/4" CONDUIT TO BUILDING STEEL, C.W. MAIN
 (I) #6G IN 1/2" CONDUIT TO 2 DRIVEN RODS
 (I) #4G IN 1/2" CONDUIT TO REINFORCED STEEL AT CONCRETE FOOTING
- (6) NEW PANELBOARD, SEE PANEL SCHEDULE FOR DETAILS
- 7 NEW FEEDER:
 (2) SETS OF (3) #3/0, (1) #3G IN 3" CONDUIT

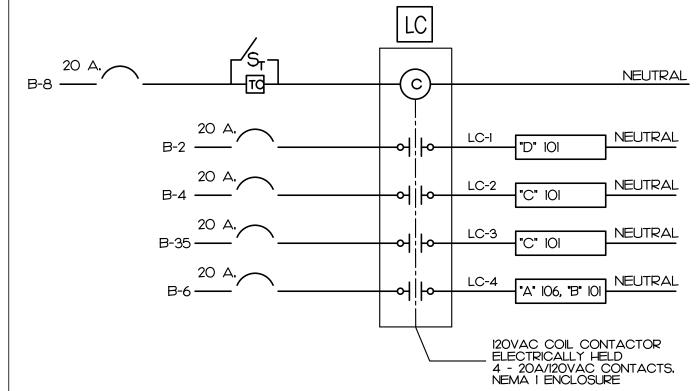






FAN CONTROLLER

NOT TO SCALE



LIGHTING CONTACTOR NOT TO SCALE

PA	NEL	A															120/240V, 1 PHASE, 3 WIRE
CKT	Г	DESCRIPTION		KVA	ГС	G	w	СВ	СКТ		KT	СВ	w	G	С	KVA	DESCRIPTION CKT
1	AHU-3	<u> </u>	•	7.2	1 1/4	8	3	90	1			40	8	10	i	3.3	HP-3 2
3	1			7.2			3	2P	3			2P	8			3.3	4
5	AHU-2			7.2	1 1/4	8	3	90	5		6	40	8	10	1	3.3	HP-2 6
7	1			7.2			3	2P	7		8	2P	8			3.3	8
9	AHU-I			2.4	3/4	10	10	30	9		10	20	12	12	1/2	1.2	HP-I 10
11				2.4			10	2P	11		12	2P	12			1.2	12
13	UH-1			2.5	3/4	10	10	30	13	1	14	30	O	0	3/4	2.5	UH-1 14
15				2.5		-	10	2P	15		16	2P	Ō	-		2.5	16
17	LOUVER 108	3		I . O	1/2	12	12	20	17	1	18					0.0	SPACE ONLY 18
19	EF-2			1,5	1/2	12	12	20	19	2	20					0.0	SPACE ONLY 20
21	GARAGE DO	OOR		1.5	1/2	12	12	20	21		22					0.0	SPACE ONLY 22
23	SPACE ONL	_Y		0.0		I			23	1	24			I		0.0	SPACE ONLY 24
25	SPACE ONLY		0.0		I			25	2	26			I		0.0	SPACE ONLY 26	
27	SPACE ONL	SPACE ONLY		0.0					27	2	28					0.0	SPACE ONLY 28
29	SPACE ONLY		0.0					29	3	30					0.0	SPACE ONLY 30	
31	SPACE ONL	SPACE ONLY		0.0					31		32					0.0	SPACE ONLY 32
33	SPACE ONLY			0.0					33		34					0.0	SPACE ONLY 34
35	SPACE ONL	.Y	,	0.0					35	3	36					0.0	SPACE ONLY 36
37	SPACE ONL	.Y		0.0					37	3	38					0.0	SPACE ONLY 38
39	SPACE ONL	.Y	,	0.0					39		10					0.0	SPACE ONLY 40
41	SPACE ONL	.Y		0.0					41		42					0.0	SPACE ONLY 42
CON RECE	T. LOAD EPTACLE S/COOLS	CONNECTED KVA 6.41 7.02 23.07	FACTOR 125% 100%/50% 100%	DEMAND KVA 8.01 7.02 23.07		MAIN 10 K	A MIN LUGS MINIML THRL	ONL) JM AK	r C RAT							SURFACE N NEMA I EN GROUND B, UL LISTED I	CLOSURE
HEA.	-	43.60	100%	43.60	1075												001111107770 1 0 1 0 0
WATER HEATER 4.50 100%			4,50									CONNECTED LOADS					
	PMENT	2,60	100%	2,60	⊣"	UARE	יט אינט	Q									PHASE A: 45.4 KVA
	HEN EQUIP.	0.00	65%	0.00	2.												PHASE B: 41.8 KVA
	CIAL EQ.	0.00	100%	0.00	3.												TOTAL 270 1714
	OF LARGEST	I HVAC/MO	IOK	3.60	4.												TOTAL: 87.2 KVA
TOTAL DEMAND				92.40	5.												DEMAND 385 AMF

CKT	 DESCRIPTION		KVA	С	G	w	СВ	СКТ	CKT	СВ	w	G	С	KVA	DESCRIPTION CKT
1 REC 103, 10		,•	0.4	1/2	12	12	20	i	2	20	12	12	1/2	0.9	LTS IOI 2
3 REC 107	. •		0.4	1/2	12	12	20	3	4	20	12	12	1/2	1.2	LTS IOI 4
5 REC 106	•	,	0.2	1/2	12	12	20	5	6	20	12	12	1/2	0.9	LTS 102-107 6
7 REC 106		•	0.2	1/2	12	12	20	7	8	20	12	12	1/2	0.3	LIGHTING CONTACTOR 8
9 REFRIGERA	TOR	NOTE 2	1.0	1/2	12	12	20	9	10	20	12	12	1/2	I.8	LTS 108 10
II REC 105,106			0.5	1/2	12	12	20	11	12	20	12	12	1/2	0.6	FAN 108 12
13 REC SHOW	WINDOWS		0.4	1/2	12	12	20	13	14	2P	12			0.6	14
15 REC TCBB			0.4	1/2	12	12	20	15	16	20	12	12	1/2	0.6	FAN 108 16
17 REC 108			0.2	1/2	12	12	20	17	18	2P	12			0.6	18
19 REC FIXTUR	9 REC FIXTURE IOI		0.7	1/2	12	12	20	19	20	20	12	12	1/2	0.6	FAN 108 20
21 REC FIXTUR	21 REC FIXTURE IOI		0.7	1/2	12	12	20	21	22	2P	12			0.6	22
23 REC FIXTUR	RE 101		0.7	1/2	12	12	20	23	24	20	12	12	1/2	0.3	FAN CONTACTOR 24
25 REC 102			0.4	1/2	12	12	20	25	26	20	12	12	1/2	0.5	SIGN 26
27 REC 102			0.4	1/2	12	12	20	27	28	20	12	12	1/2	0.3	LTS EXTERIOR 28
29 REC 108		0.7	1/2	12	12	20	29	30	30	10	10	3/4	2.3	WH-I 30	
3I REC EXTERIOR		,	0.5	1/2	12	12	20	31	32	2P	10			2.3	32
33 CONDENSATE PUMP			1.0	1/2	12	12	20	33	34	20	12	12	1/2	0,4	REC MEZZANINE 34
35 LTS 101			0,9	1/2	12	12	20	35	36	20				0.0	SPARE 36
37 SPARE			0,0				20	37	38	20				0,0	SPARE 38
39 SPARE			0,0				20	39	40	20				0,0	SPARE 40
41 SPARE			0,0				20	41	42	20				0,0	SPARE 42
DESCRIPTION	CONNECTED	DEMAND	DEMAND]	400	A MIN	MUM	BUS S	IZE				:	SURFACE N	MOUNTING
	KVA	FACTOR	KVA	İ	MAIN	LUGS	ONLY	•					1	NEMA I EN	CLOSURE
CONT. LOAD	6.41	125%	8.01	10 K MINIMUM AIC RATING GROUND BAR								AR			
RECEPTACLE	7.02	100%/50%	7.02	1											
/ITRS/COOLS	4.60	100%	4.60	1											
ÆATS	0.00	100%	0.00	1											
VATER HEATER	4.50	100%	4.50	NOTE	S .										CONNECTED LOADS
EQUIPMENT 1.60 100% 1.60 1. SQUARE D: NQ										PHASE A: 13.3 KVA					
(ITCHEN EQUIP.	0.00	65%	0.00	2. E.0	с. то	PROV	'IDE G	FCI BR	REAKER						PHASE B: 10.8 KVA
SPECIAL EQ.	0.00	100%	0.00	3.											
25% OF LARGES	T HVAC/MO	TOR	0.30	4.											TOTAL: 24.1 KVA
TOTAL DEMAND	-		26.03	Ī5.											DEMAND 108 AMF



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ABC Buxton

Project No: 22041

47290 Hwy 12 Location: Buxton, NC

Title: Electrical Plan

Date: March 10th, 2023

Scale: As indicated

POWER RISER CONTACTOR DETAILS PANEL SCHEDULES

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the project.

Revisions:

No.	Description	Date

Drawn: SWM Reviewed: MCB Cad File:

SYMBOL LEGEND <u>SYMBOL</u> **DESCRIPTION** <u>REMARKS</u> 2 X 2 SURFACE FIXTURE - LETTER DESIGNATES TYPE SEE FIXTURE SCHED. SEE FIXTURE SCHED. LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE PENDANT/SURFACE MOUNT FIXTURE - LETTER DESIGNATES TYPE SEE FIXTURE SCHED. WALL SCONCE LIGHT FIXTURE - LETTER DESIGNATES TYPE SEE FIXTURE SCHED. WALL MOUNT LIGHT FIXTURE - LETTER DESIGNATES TYPE SEE FIXTURE SCHED. EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE SEE FIXTURE SCHED. EXIT LIGHT - CONNECT UNSWITCHED SEE FIXTURE SCHED. EMERGENCY WITH EXIT LIGHT - CONNECT UNSWITCHED SEE FIXTURE SCHED. BATTERY BACKUP EMERGENCY LIGHT - CONNECT UNSWITCHED SEE FIXTURE SCHED. LIGHT FIXTURE ON UNSWITCHED CIRCUIT FOR NIGHT LIGHT. SEE FIXTURE SCHED. THE SHADE DESIGNATED THE NIGHT LIGHT. 8' BIG ASS FAN POWERFOIL D PC PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA BALLAST LOAD TORK: ZSSI24 1000W TUNGSTEN LOAD, 8A LED LOAD (UP TO 2220W @277V) DIGITAL TIME CLOCK, I-20A I20VAC NO. CONTACTS. 7 DAY FORMAT. ASTRONOMIC/DAY LIGHT SAVING ADJUSTMENT. TORK: DGUIOOA 7 DAY SCHEDULE POWER BACKUP, OPTION FOR PHOTOCELL CONTROL, BIG ASS FANS: BAFCON VERSATILE SMART CONTROLLER SINGLE POLE TOGGLE SWITCH. HUBBELL 1221-** WITH MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. NPJI COVER PLATE HUBBELL 1223-** WITH NPJI COVER PLATE THREE WAY TOGGLE SWITCH MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. HUBBELL 1224-** WITH FOUR WAY TOGGLE SWITCH. MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. NPJI COVER PLATE SWITCHGANG - SEE DETAIL INDICATED WALL MOUNTED OCCUPANCY SENSOR SWITCH, DUAL TECHNOLOGIES. WATTSTOPPER DSW-30I-** MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. 800W/I20VAC OR I200W/277VAC NPJ26 COVER PLATE WATTSTOPPER DT-355 CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 800W/I20VAC OR I200W/277VAC CEILING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. WATTSTOPPER DT-305 LOW VOLTAGE. PROVIDE LOW VOLTAGE WIRING TO POWER PACK AS REQUIRED. POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSOR. WATTSTOPPER BZ-50 120/277VAC, 20A I POLE CONTACTOR, DIMMING SWITCH WITH PRESET TO MATCH CORRESPONDING FIXTURE TYPE LUTRON DVSTV-XX O-IOV DIMMING, MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE, PROVIDE SWITCHED WIRE AND O-IOV CONTROL WIRE TO FIXTURE AS REQUIRED NPJ26 COVER PLATE DIMMING SWITCH WITH PRESET TO MATCH CORRESPONDING FIXTURE TYPE LUTRON DV-600P-** PHASE CONTROL (INCAN.). MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE, NPJ26 COVER PLATE 120VAC 600W DIMMING 3-WAY SWITCH WITH PRESET TO MATCH CORRESPONDING FIXTURE TYPE LUTRON DVSTV-XX O-IOV DIMMING. MOUNT 42° A.F.F. UNLESS NOTED OTHERWISE, PROVIDE SWITCHED WIRE AND O-IOV CONTROL WIRE TO FIXTURE AS REQUIRED. NPJ26 COVER PLATE 0-2 HOUR MECHANICAL TIME SWITCH, 120VAC, 1800W INTERMATIC FF2H MOUNT 42" A.F.F. UNLESS NOTED OTHERWISE. OVERHEAD DOOR SWITCH FOR GARAGE DOOR, BY OTHERS SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. HUBBELL HBL5362-**-TR SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE HUBBELL GFTRST20-** WITH NPJ26 COVER PLATE MOUNT 16" A.F.F. UNLESS NOTED OTHERWISE. SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND HUBBELL GFTWRST20-** GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER. WITH WP26M COVER PLATE MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED. SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. HUBBELL HBL5362-**-TR MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED. FED FROM GFCI CIRCUIT BREAKER. WITH NPJ8 COVER PLATE HUBBELL GFTRST20-** WITH SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE. MOUNT 4" ABOVE COUNTER/BACKSPLASH. NPJ26 COVER PLATE SPECIFICATION GRADE QUAD TAMPER RESISTANT RECEPTACLE HUBBELL (2) HBL5362-**-TR MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED. WITH NPJ82 COVER PLATE CEILING PANEL CABINET FAN. SEE MECH, PLAN, FURNISHED AND INSTALLED BY M.C., WIRED BY E.C. JUNCTION BOX SIZED PER N.E.C. SQUARE D HEAVY DUTY DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE NEW CONCEALED WIRING PER N.E.C. UNSWITCHED LIGHTING CONDUCTOR PER N.E.C. HOME RUN TO PANEL BOARD PER N.E.C. NUMBERS OF ARROW INDICATE CIRCUITS 120/240V 10, 3W PANEL BOARD - SEE PANEL SCHEDULES SQUARE D NQ/I-LINE UTILITY METER BASE SEE POWER RISER COMMUNICATION OUTLET - MOUNT 16" A.F.F. UNLESS OTHERWISE NOTED STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. SINGLE GANG BOX HUBBELL NPJI3 COVER OUTLET, COVER PLATE AND WIRING BY OTHERS. COMMUNICATION BACKBOARD: 48" x 48" x 3/4" THICK FIREPROOFED PLYBOARD MOUNTED TO WALL PROVIDE GROUND BAR AND CONNECT 1-#6 AWG GROUND IN 1/2" C. TO PANEL ABOVE FINISHED CEILING ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX A.F.F.

GENERAL NOTES

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS, DO NOT SCALE THESE DRAWINGS.
- 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.
- 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
- 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.
- 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
- 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. IO, ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
- II. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. 12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL
- 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 THHN/THWN 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 LOCATION.
- 16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG. 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
- 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 IO FT.
 WHERE REQUIRED BY NEC 517.13, CABLE SHALL BE LISTED FOR THE USE.
- 19. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
- 20. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
- 21. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS. 22. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI AII7.I, SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.
- 23. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.
- 24. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF COMMUNICATION SERVICE CONDUIT STUB OUTS WITH THE LOCAL COMMUNICATION SERVICE COMPANY PRIOR TO INSTALLING ANY
- 25, E.C. SHALL LOCATE EXISTING UNDER GROUND UTILITY PRIOR TO EXCAVATING.

2018 NORTH CAROLINA **ENERGY CODE**

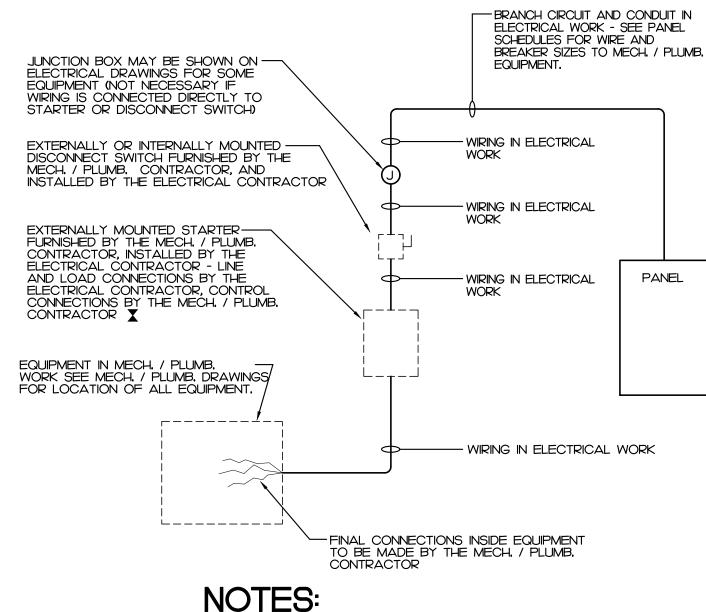
ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE: PRESCRIPTIVE LIGHTING SCHEDULE: LAMP TYPE REQUIRED: FLUORESCENT T8/ CFL INCAN NUMBER OF LAMPS: SEE N/A N/A N/A FIXTURE BALLAST TYPE USED: N/A N/A NUMBER OF BALLASTS N/A N/A N/A SCHEDULE TOTAL WATTAGE N/A N/A N/A PER FIXTURE:

	SPECIFIED		ALLOWED BY CODE		
INTERIOR WATTAGE					
RETAIL	1		8739		
TOTAL	56	50	7866	**	
EXTERIOR WATTAGE	ZONE 3				
ALLOWANCE	26	50	750		

- ** PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE IO% LOWER THAN THOSE CALCULATED PER SECTION C405.4.2: 8739 WATTS
- CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24
- 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.



VALUE PER SECTION C406.3:



I. X A COMBINATION STARTER MAY BE USED IN LIEU OF A A SEPARATE DISCONNECT SWITCH AND STARTER

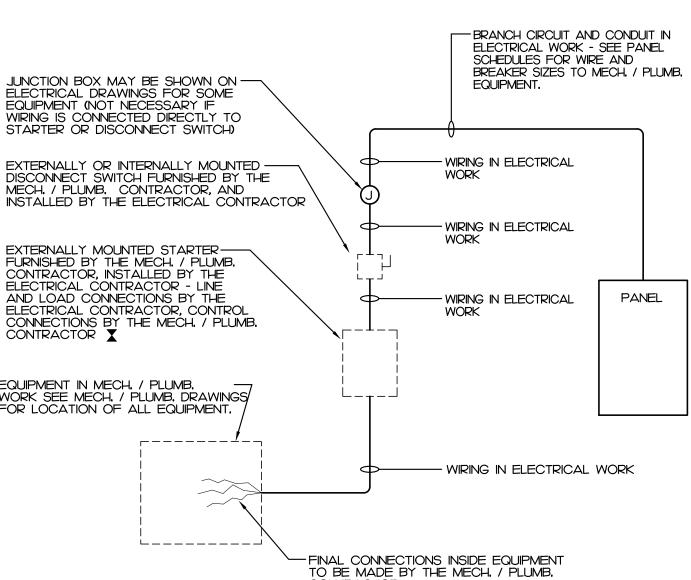
2. E.C. SHALL FURNISH ALL REQUIRED FUSES.

WIRING TO MECHANICAL AND PLUMBING EQUIPMENT

NOT TO SCALE

TYPE DESCRIPTION CATALOG ELECTRICAL DATA NOTES											
YPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES							
Α	2x2 LED FLAT PANEL FIXTURE SURFACE MOUNTED 3300 LUMEN	LITHONIA: CPANL-2X2-ALOI-SWW7-M4	3300 LUMEN LED, 4000K 0-IOV ELECTRONIC DIMMING DRIVER 31 WATTS - 35 VA, I20-277V	PROVIDE WITH SURFACE MOUNTING KIT							
В	DECORATIVE PENDANT	SELECTED BY ARCHITECT: PROVIDE \$500 ALLOWANCE	30 WATT MAXIMUM - 120-277V								
С	ROUND LED HIGH BAY LIGHT 14000 LUMEN	E-CONOLIGHT: C-HB-B-RD-I4L-40K-UL-*	14000 LUMEN LED, 4000K 0-IOV ELECTRONIC DIMMING DRIVER IOO WATTS - III VA, 120-277V								
C/E	ROUND LED HIGH BAY LIGHT 14000 LUMEN WITH BATTERY BACKUP	E-CONOLIGHT: C-HB-B-RD-14L-40K-UL-*-EB	14000 LUMEN LED, 4000K 0-IOV ELECTRONIC DIMMING DRIVER IOO WATTS - III VA, 120-277V								
D	WALL WASH TRACK LIGHT FIXTURE 1000 LUMEN	JUNO: HEAD:T605L-40K-80CRI-PDIM-*-* TRACK: TRAC-MASTER: T-*-*	IOOO LUMEN LED, 4000K PHASE DIMMING DRIVER IO WATTS - II VA, I20-277V								
FI	ROUND LED HIGH BAY LIGHT 21000 LUMEN	E-CONOLIGHT: C-HB-B-RD-20L-40K-UL-*	21000 LUMEN LED, 4000K 0-IOV ELECTRONIC DIMMING DRIVER I50 WATTS - I67 VA, I20-277V								
F2	ROUND LED HIGH BAY LIGHT 21000 LUMEN WITH MOTION SENSOR	E-CONOLIGHT: C-HB-B-RD-20L-40K-UL-* WITH MOTION SENSOR: C-HB-B-AC-MS-UL	21000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 150 WATTS - 167 VA, 120-277V								
G	LED STRIP LIGHT SURFACE MOUNTED 10000 LUMEN	METALUX: 8'-ILED-LD5-IO-W-UNV-L840-CD	10000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 63 WATTS - 70 VA, 120-277V								
Н	DECORATIVE EXTERIOR SCONCE	SELECTED BY ARCHITECT: PROVIDE \$500 ALLOWANCE	30 WATT MAXIMUM, 120V								
J	EXTERIOR WALL PACK 3000 LUMEN	LITHONIA: WDGE2LED-P3-30K-80CRI-*-MVOLT -SRM	3000 LUMEN LED, 3000K ELECTRONIC DRIVER 18 WATTS, 20 VA, 120-277V								
EGX	EMERGENCY WITH EXIT LIGHT I SIDE RED LETTER	LITHONIA: LHQM-SD	5 WATTS - 5 VA, I2O/277V								
EX	EXIT LIGHT I SIDE RED LETTER	LITHONIA: EDG-I-R-SD	3 WATTS - 4 VA, I2O/277V								
EH	EXTERIOR EMERGENCY LIGHT LISTED FOR WET LOCATION	LITHONIA: AFF-OEL-*-FCT	II WATTS - 12 VA, 120/277V								
EG	EMERGENCY LIGHT	LITHONIA: ELM2L-SDRT	2 WATTS - 2 VA, I2O/277V								

- SEE ARCHITECTURAL PLAN FOR MOUNTING LOCATION AND HEIGHT. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT IF NOT SHOWN ON ARCHITECTURAL
- 2. E.C. SHALL SUBMIT CATALOG TO ARCHITECT FOR APPROVAL PRIOR PURCHASE ANY. FINISH COLOR AND TRIM SUBJECT TO BE CHANGED PER ARCHITECT
- 3. E.C. SHALL FIELD VERIFY LED COLOR WITH ARCHITECT PRIOR TO ORDERING.



Project No: 22041

47290 Hwy 12 Location: Buxton, NC

Title: Electrical Plan

ARCHITECTS

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118 West Woodhill Drive

March 10th, 2023 Date:

Scale: As indicated

SYMBOL LEGEND GENERAL NOTES **DETAILS** FIXTURE SCHEDULE

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Revisions:

D	D - 4 -
Description	Date
	Description

Designed: SWM Drawn: SWM Reviewed: MCB Cad File: