

developer / owner:

D.R. Horton
7208 Falls of Neuse Road, Suite 201
Raleigh, NC 27615
ABOakley@drhorton.com

landscape architect:

TMTLA Associates
5011 Southpark Drive, Suite 200
Durham, North Carolina 27713
p: (919) 484-8880
andy@tmtla.com

EAGLE CREEK SUBDIVISION

Entry Sign Plan

Purfoy Rd & Wexford Drive
Fuquay-Varina, North Carolina 27526
Harnett County



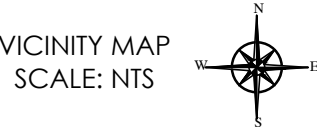
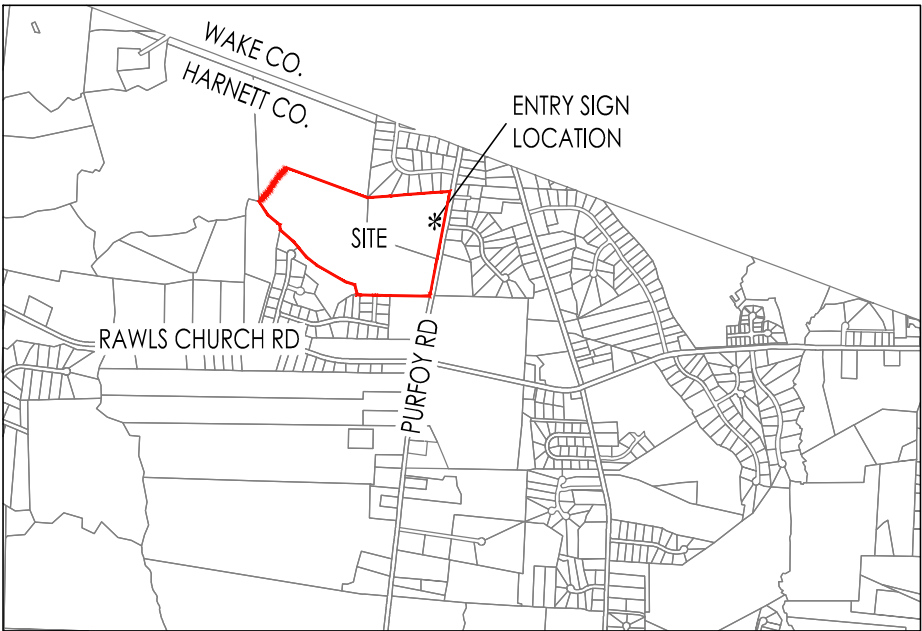
Know what's below.
Call before you dig.

SUBMITTAL DATES

FIRST SUBMITTAL — 3/17/2025

SHEET INDEX

- S-0 — COVER SHEET
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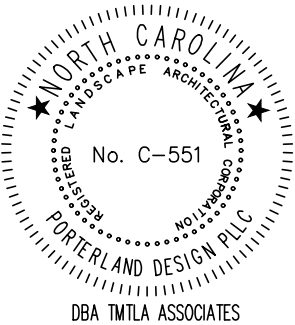


SITE DATA

OWNER	RP WELLONS LAND & DEVELOPMENT LLC
OWNER ADDRESS	PO BOX 730, DUNN, NC 28335
PROPERTY ADDRESS	UPLAND DR & PURFOY RD
PIN	0665-50-1908.000
PID	080664 0020
EXISTING ZONING	RA-30
ZONING JURISDICTION	HARNETT COUNTY



TMTLA PROJECT #24182

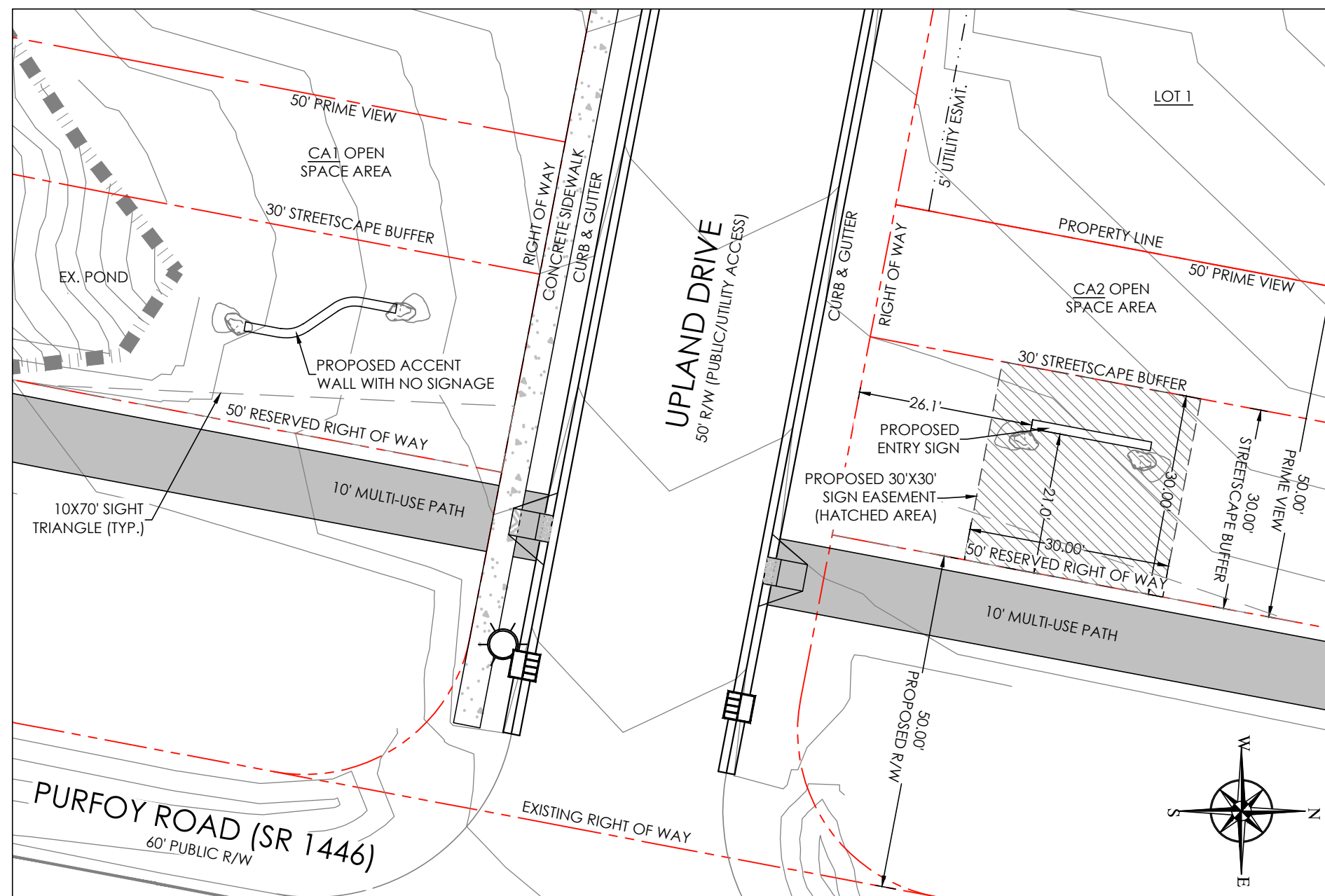


Eagle Creek
COVER SHEET
Purfoy Rd & Wexford Dr
Fuquay-Varina, North Carolina

developer / owner:
D.R. Horton
7208 Falls of Neuse Road, Suite 201
Raleigh, NC 27615

3/17/2025

S-0



MONUMENT NOTES:

1. ALL REINFORCED MASONRY WORK SHALL COMPLY WITH BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 402-13/ACI 530-13/ASCE 5-13 & TMS 602-13/ACI 530.1-13/ASCE 6-13A OR LATEST EDITION).
2. ALL CONCRETE WORK SHALL COMPLY WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI-301 AND THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI-318 (EDITIONS IN FORCE).
3. ALL WORK AND MATERIALS SHALL COMPLY WITH APPLICABLE STATE, LOCAL, NATIONAL CODES (INCLUDING OSHA) AND COMPLIANT WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
4. BASE MAP INFORMATION PROVIDED BY THE OWNER, LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
5. OBTAIN ALL REQUIRED PERMITS BEFORE STARTING CONSTRUCTION.
6. CALL UTILITY LOCATOR SERVICE PRIOR TO ANY CONSTRUCTION ON THIS SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE LOCATION OF BOTH PUBLIC AND PRIVATE UNDERGROUND UTILITIES.
8. DO NOT CHANGE THE DESIGN WITHOUT APPROVAL FROM THE LANDSCAPE ARCHITECT OR THE OWNER.
9. MASONRY GROUT SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
10. TYPE OF MORTAR SHALL BE 'S' AND MORTAR SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS.
11. YIELD STRENGTH OF REINFORCEMENT STEEL, $F_y=60\text{ksi}$.
12. CMU ARRANGEMENT TO ACHIEVE DIMENSIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.
13. FOUNDATION SOIL BEARING CAPACITY SHALL BE A MINIMUM 2000 PSF BEARING CAPACITY AND SHALL BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER.
14. IF THERE ARE ANY CHANGES IN THE ENTRANCE MONUMENT WALL AND COLUMN, SOIL PROPERTIES, DESIGN DIMENSIONS, OR IF THE DESIGNS ARE INACCURATE, CONTACT TMTLA ASSOCIATES IMMEDIATELY FOR REVIEW OF THE DESIGN CHANGES.
15. SEE SECTION DETAILS FOR REINFORCEMENT SCHEDULE AND ADDITIONAL DIMENSIONS.
16. ALL HARDWARE SHALL MATCH THE COLOR OF FINISH MATERIALS.
17. SOIL BACKFILL SHOULD NOT BE PLACED AGAINST THE ENTRY MONUMENT COLUMN.
18. EXCAVATION FOR FOOTING WILL HAVE ALL LOOSE MATERIAL REMOVED. CONCRETE TO BE POURED TO EXTENTS OF THE EXCAVATION.
19. SIGN SHALL NOT ENCR OACH OR OVERHANG INTO THE RIGHT-OF-WAY OR SIGHT TRIANGLE.
20. CONTRACTOR TO COORDINATE STONE VENEER SELECTION W/ OWNER PRIOR TO ORDERING MATERIALS.
21. FINAL DESIGN/CONSTRUCTION OF SIGN PANEL SHALL BE VERIFIED BY THE OWNER PRIOR TO ORDERING MATERIALS.
22. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM SITE DIMENSION AND LAYOUT PRIOR TO CONSTRUCTION.
23. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND REQUESTING MUNICIPAL INSPECTIONS AS REQUIRED FOR SIGN-OFF AND FINAL MUNICIPAL APPROVAL.
24. CONTRACTOR TO COORDINATE SIGN FOOTING ELEVATION WITH OWNER PRIOR TO POURING FOOTINGS. FINISHED GRADE AT THE BASE OF THE ENTRY MONUMENT SHALL BE 6" ABOVE THE FINISHED BACK OF CURB OR EDGE OF PAVEMENT ELEVATION.
25. CONCRETE SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

STRUCTURAL MEMBERS ONLY

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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.



developer / owner:

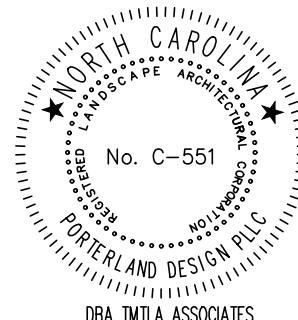
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TMTLA ASSOCIATES

LANDSCAPE ARCHITECTURE & LAND PLANNING

5011 SOUTHPARK DRIVE, STE.200-DURHAM, NC 27713
p: (919) 484-8880 e: info@tmtla.com



Eagle Creek

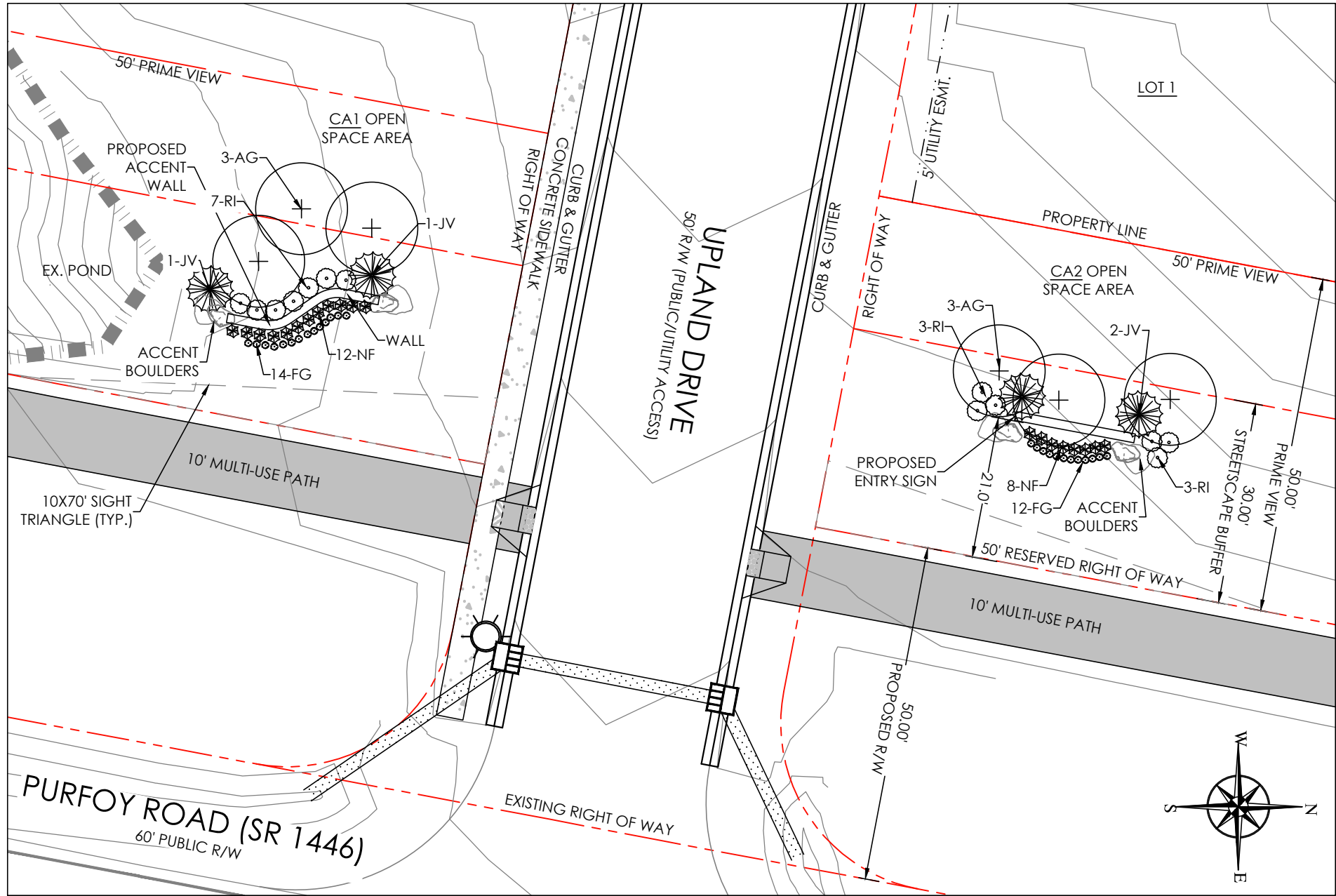
SIGN LOCATION PLAN

Purfoy Rd & Wexford Dr
Fuquay-Varina, North Carolina

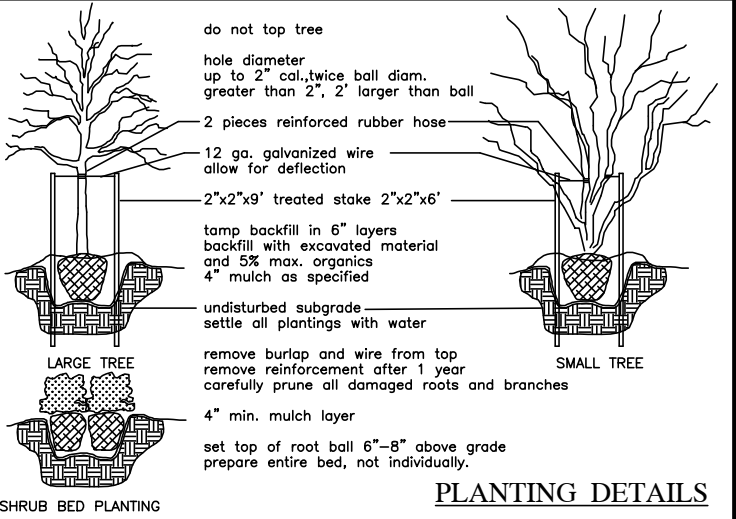
3/17/2025

S-1

TMTLA PROJECT #24182



1 SIGN LANDSCAPE PLAN
S-2 SCALE: 1"=20'



GENERAL PLANTING NOTES

1. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE PLANTING CONTRACTOR, AND THE TOTAL QUANTITIES SHALL BE REQUIRED ON THE PLANTING PLAN.
2. ALL TREES, SHRUBS, AND BEDDING PLANTS SHALL CONFORM TO THE ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSEYMEN.
3. ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
4. SET TOP OF ROOT BALL 6"-8" ABOVE GRADE, PREPARE ENTIRE BED, NOT INDIVIDUALLY.
5. THE SIZE OF ALL ROOT BALLS SHALL CONFORM TO AAN STANDARDS.
6. FERTILIZE ALL PLANTS WITH AGRIFORM FERTILIZER TABLETS OR EQUAL TO BE APPLIED AT MANUFACTURERS RECOMMENDED RATE.
7. GUYING, IF NECESSARY, SHALL BE REMOVED AFTER ONE GROWING SEASON.
8. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
9. ALL TREES HAVE BEEN LOCATED WITH RESPECT TO PROPOSED OR EXISTING FACILITIES OR STRUCTURES.
10. OWNERS SHALL MAINTAIN ALL PLANT BEDS AND PLANT MATERIAL IN GOOD HEALTH, AND ANY DEAD, UNHEALTHY OR MISSING PLANTS SHALL BE REPLACED WITH LOCALLY ADAPTED VEGETATION WHICH CONFORMS TO THE INITIAL PLANTING STANDARDS OF THE LANDSCAPE ORDINANCE.
11. REPORT ANY DESCREANCIES TO THE PROJECT LANDSCAPE ARCHITECT.
12. SUBSTITUTIONS OR ALTERATIONS SHALL NOT BE MADE WITHOUT PRIOR WRITTEN NOTIFICATION OF THE PROJECT LANDSCAPE ARCHITECT.
13. ALL PLANT MATERIAL SHALL BE OF SPECIMEN QUALITY.

2 PLANTING DETAILS
S-2 SCALE: NTS

PLANTING SCHEDULE

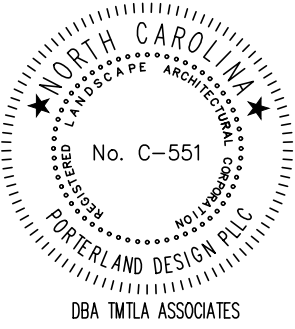
TYPE	BOTANICAL NAME	COMMON NAME	ROOT	SIZE (MIN.)	QTY.	COMMENTS
TREES						
AG	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance serviceberry	B&B	8' HT.	6	Multi-stem, 3-Stems
JV	Juniperus virginiana 'Idyllwild Juniper'	Idyllwild eastern red cedar	CONT.	10' HT.	4	Single Leader
SHRUBS						
RI	Rhaphiolepis ind. La Vida Más™	La Vida Más™ Indian Hawthorn	CONT.	3-GAL	13	Full, Match
PERENNIALS & SMALL GRASSES						
NF	Nepeta X faassenii 'Walker's Low'	Walker's Low catmint	CONT.	3-GAL	20	Full, Match
FG	Festuca glauca 'Elijah Blue'	Elijah Blue fescue	CONT.	1-GAL	26	Full, Match

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p: (919) 484-8880 e: info@tmtla.com

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Eagle Creek

SIGN LANDSCAPE PLAN

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S-2



STONE VENEER EXAMPLE:
4" CENTURION STONE VENEER, 'KENTUCKY STACK'
FROM NORTH STATE STONE



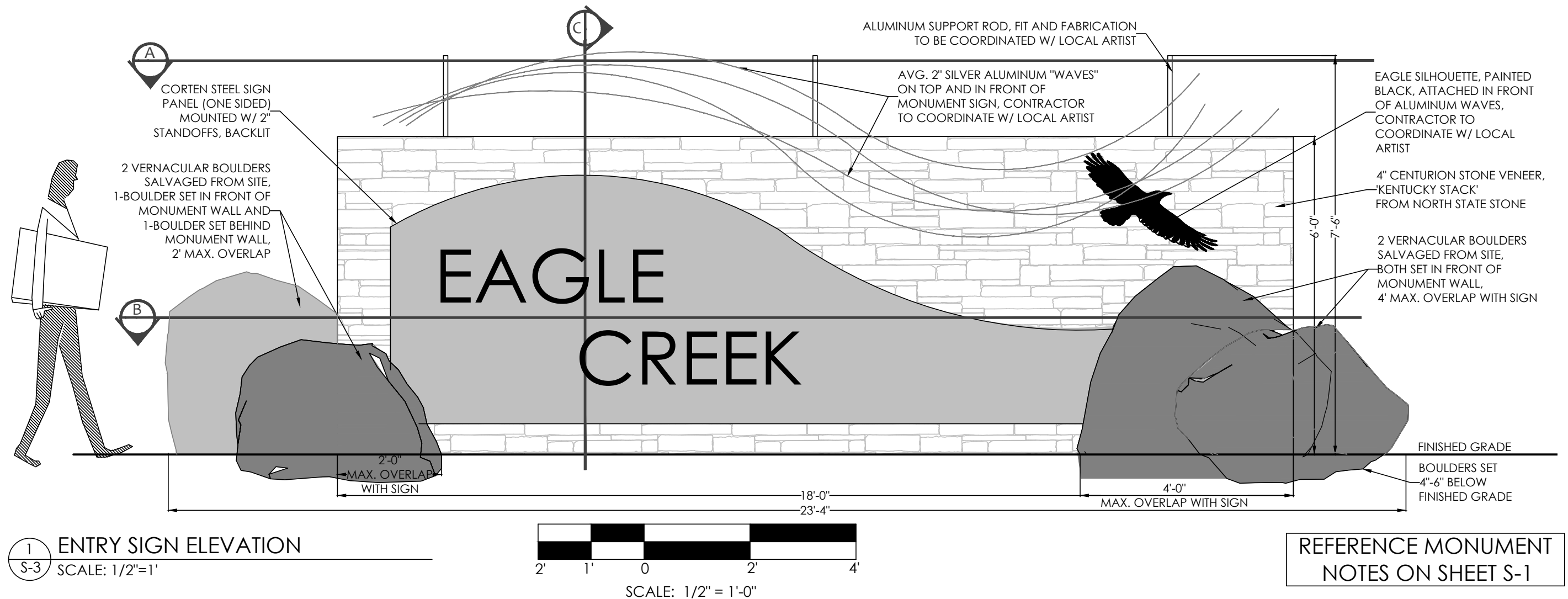
APPLIED LETTERS EXAMPLE:
LASER CUT STEEL LETTERS APPLIED W/ 3/4-1"
STANDOFFS FROM CORTEN PLATE, PAINTED WHITE



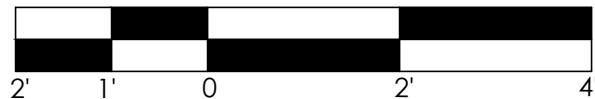
BACKLIT SIGN PANEL EXAMPLE:
APPLIED LETTERS TO BE ADDED 3/4-1" ABOVE CUT LETTERS. LED
LIGHTING TO SPILL FROM BEHIND SIGN PANEL AND CUT LETTERS



SILVER ALUMINUM "WAVES" EXAMPLE:
AVERAGE 2" SILVER ALUMINUM "WAVES" ON TOP AND IN FRONT
OF MONUMENT SIGN ATTACHED WITH ALUMINUM SUPPORT RODS



REFERENCE MONUMENT NOTES ON SHEET S-1



SCALE: 1/2" = 1'-0"

DESIGN ASSUMPTIONS:

1. ULTIMATE WIND SPEED: 120 MPH
2. SOIL FRICTION ANGLE: 30 DEGREES
3. COEFFICIENT OF FRICTION: 0.50
4. SOIL DENSITY: 110 PCF



3070 HAMMOND BUSINESS PLACE
 SUITE 171
 RALEIGH, NC 27603
 OFFICE: 919.380.9991
 FAX: 919.380.9993
 WWW.SUMMIT-COMPANIES.COM
 NC CORP LICENSE # F-1454
 Project No.: A25118.00061.00

STRUCTURAL MEMBERS ONLY

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STRUCTURAL ANALYSIS BASED ON 2018 NCRS.

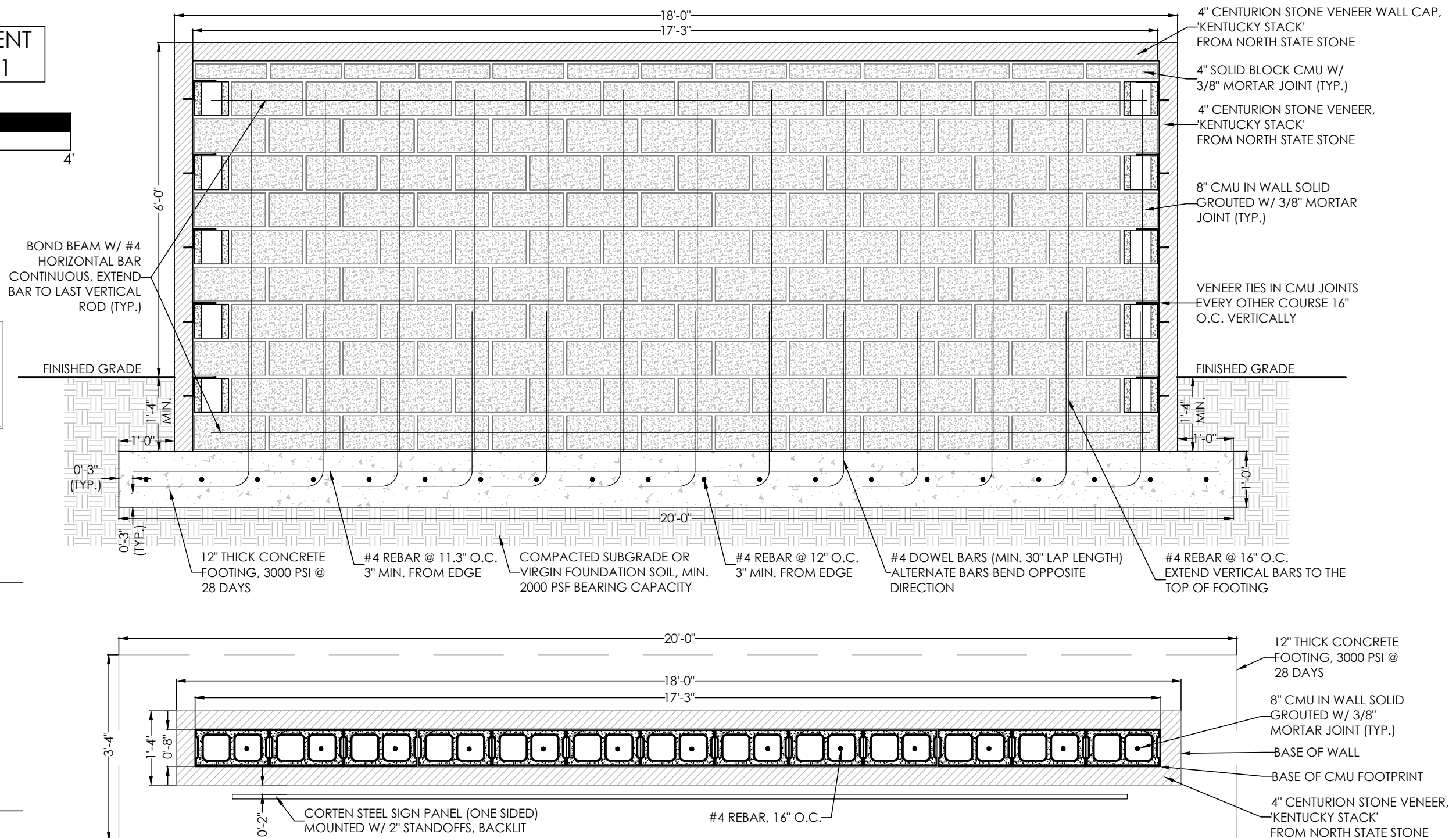
1 SIGN SECTION -A

S-4 SCALE: 1/2"=1'



2 SIGN SECTION -B

S-4 SCALE: 1/2"=1'





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TMTLA PROJECT #24182



Eagle Creek SIGN DETAILS

Purfoy Rd & Wexford Dr
Fuquay-Varina, North Carolina

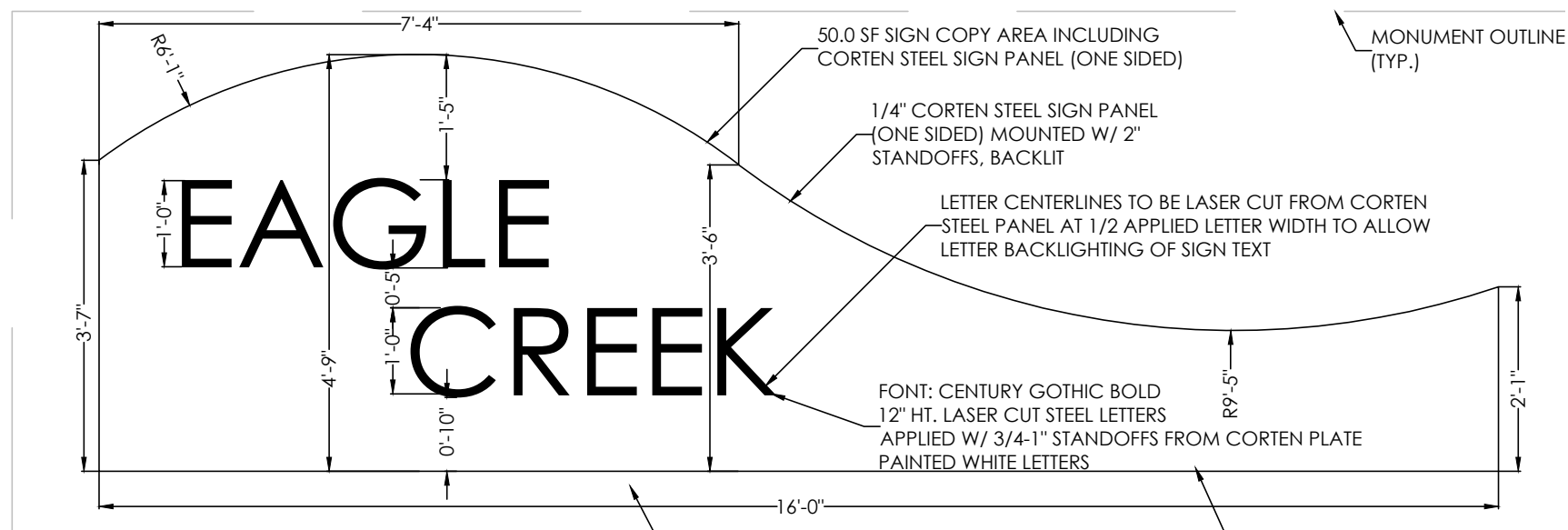
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3/17/2025

S-4

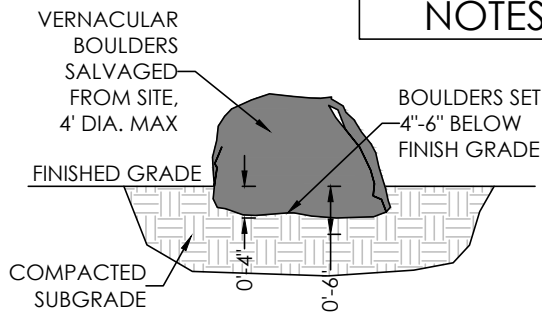


1 ILLUSTRATIVE ENTRY SIGN RENDERING
S-5 SCALE: NTS



2 SIGN PANEL DETAIL
S-5 SCALE: 1/2"=1'

REFERENCE MONUMENT NOTES ON SHEET S-1



4 BOULDER DETAIL
S-5 SCALE: 1/2"=1'



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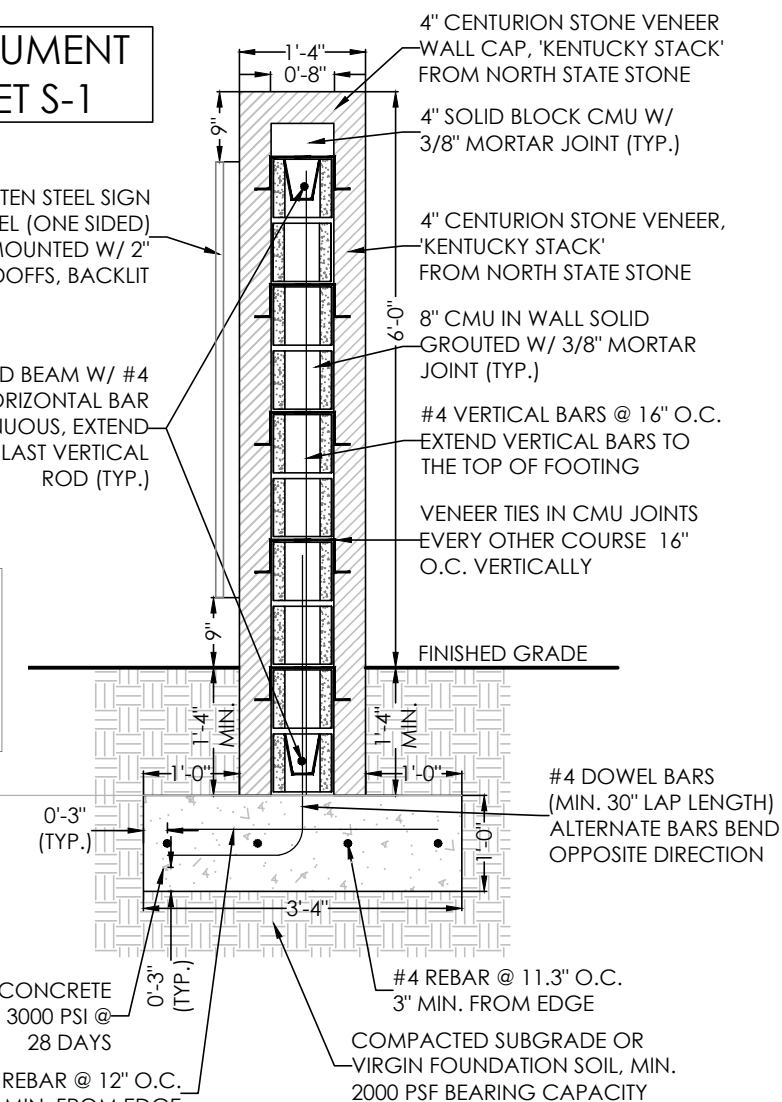
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STRUCTURAL ANALYSIS BASED ON 2018 NCRC.



CORTEN STEEL SIGN PANEL (ONE SIDED) MOUNTED W/ 2" STANDOFFS, BACKLIT

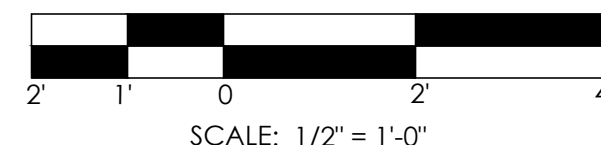
BOND BEAM W/ #4 HORIZONTAL BAR CONTINUOUS, EXTEND BAR TO LAST VERTICAL ROD (TYP.)

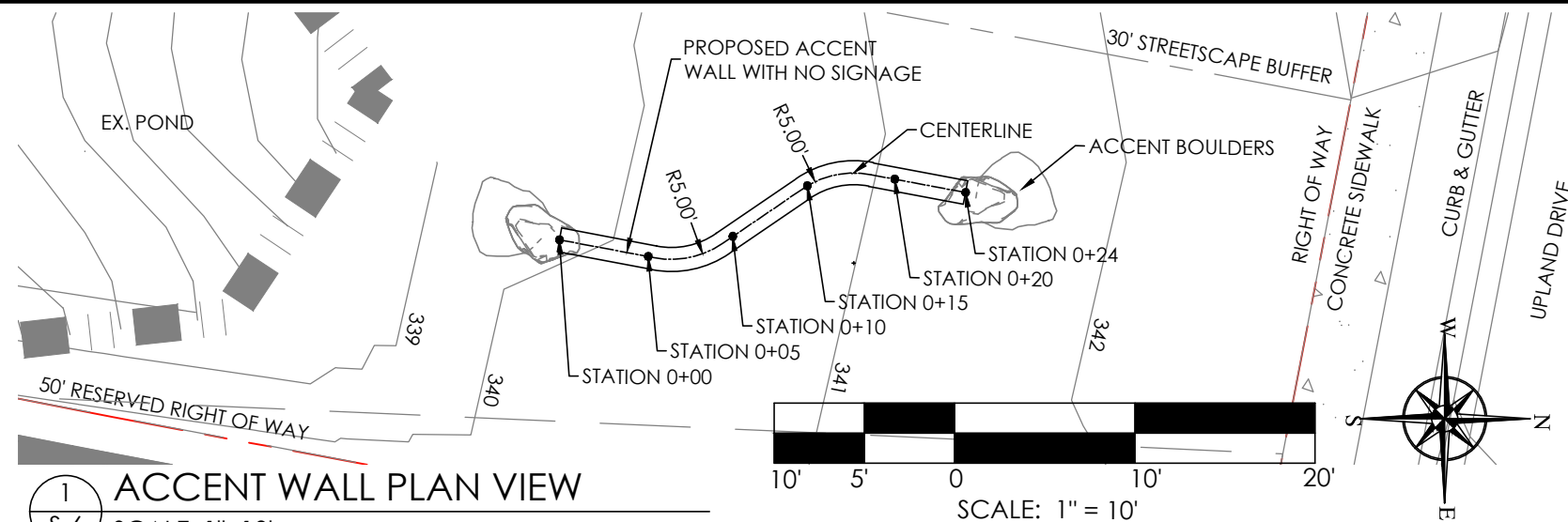


3 SIGN SECTION -C
S-5 SCALE: 1/2"=1'

DESIGN ASSUMPTIONS:

1. ULTIMATE WIND SPEED: 120 MPH
2. SOIL FRICTION ANGLE: 30 DEGREES
3. COEFFICIENT OF FRICTION: 0.50
4. SOIL DENSITY: 110 PCF





UES
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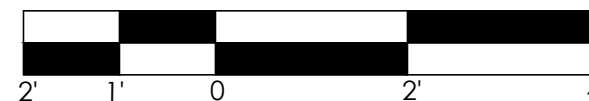
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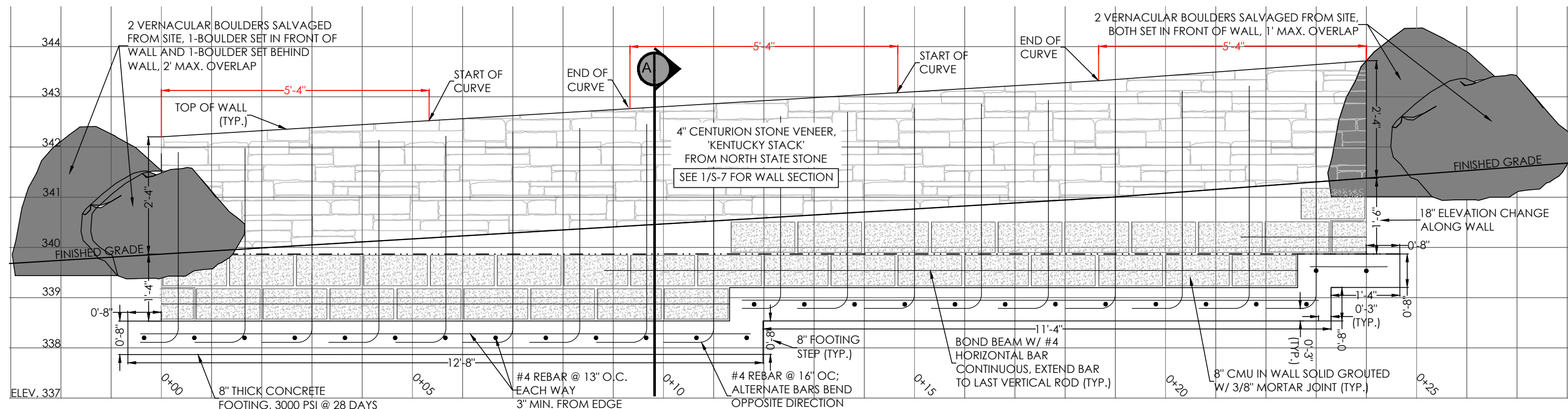
REFERENCE MONUMENT NOTES ON SHEET S-1

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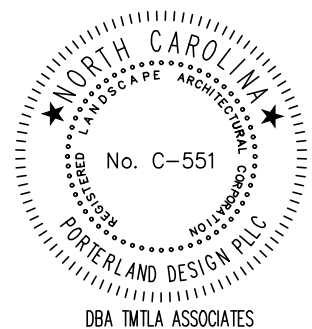


SCALE: 1/2" = 1'-0"



2 ACCENT WALL ELEVATION (0+00 to 0+24)
SCALE: 1/2"=1'

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Eagle Creek
ACCENT WALL DETAILS
Purfoy Rd & Wexford Dr
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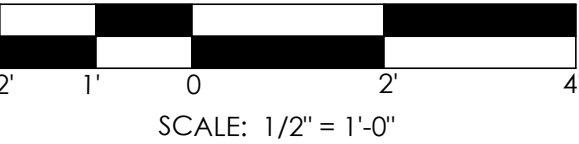
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3/17/2025

S-6

REFERENCE MONUMENT
NOTES ON SHEET S-1

- DESIGN ASSUMPTIONS:
1. ULTIMATE WIND SPEED: 120 MPH
 2. SOIL FRICTION ANGLE: 30 DEGREES
 3. COEFFICIENT OF FRICTION: 0.50
 4. SOIL DENSITY: 110 PCF





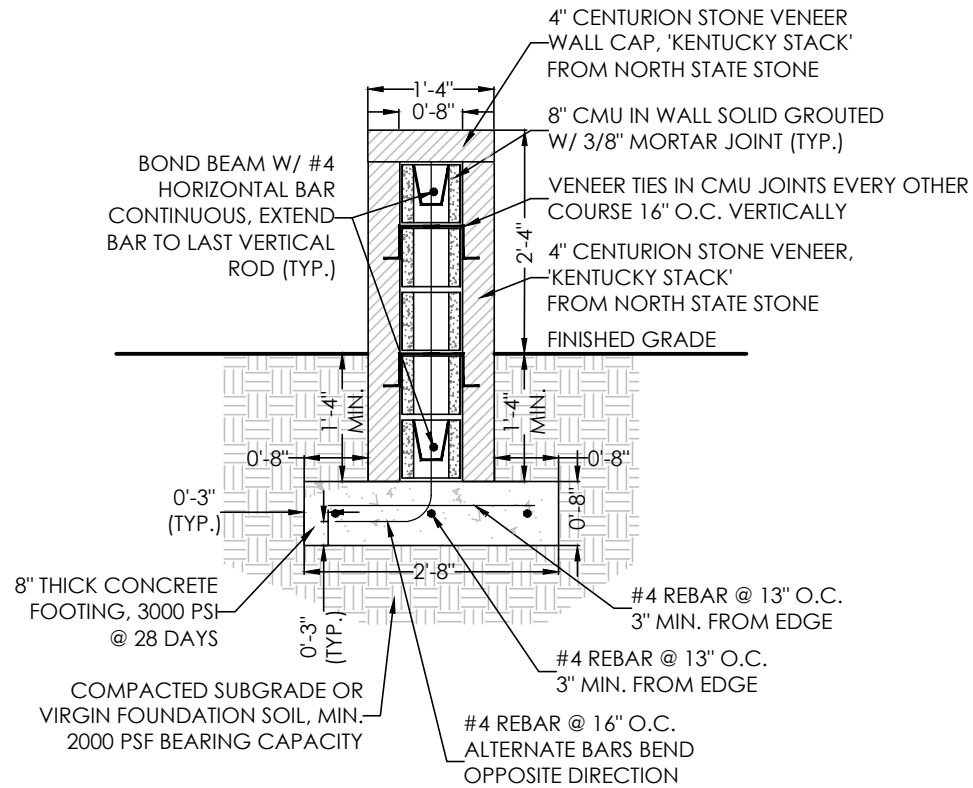
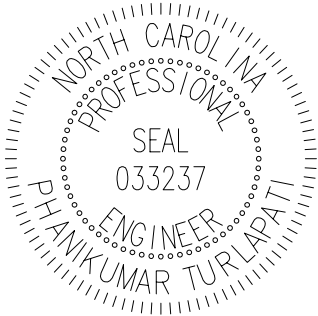
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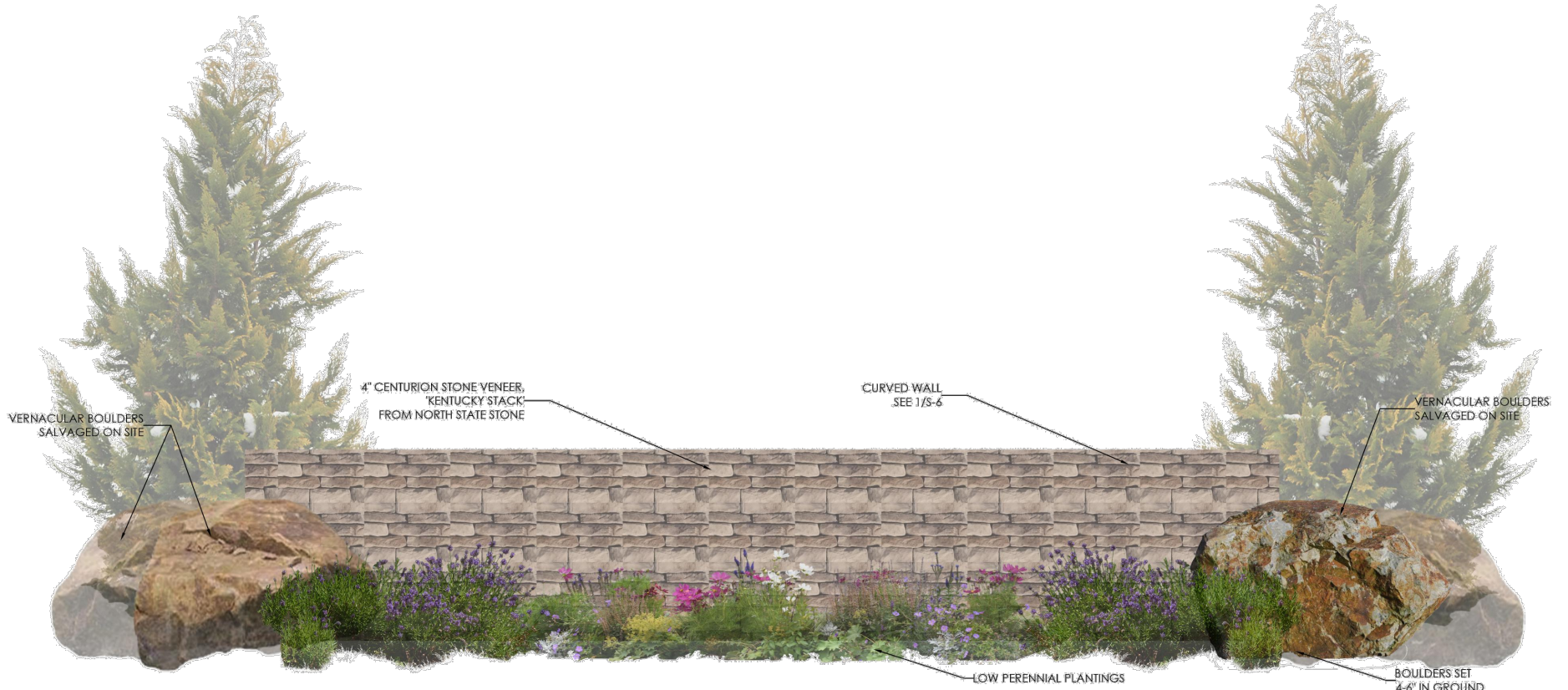
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STRUCTURAL ANALYSIS BASED ON 2018 NCRS.



1 ACCENT WALL SECTION A
S-7 SCALE: 1/2"=1'



2 ILLUSTRATIVE CURVED ACCENT WALL RENDERING
S-7 SCALE: NTS

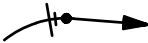
SEE 2/S-6 FOR ACCURATE TOPOGRAPHY

GENERAL NOTES AND REQUIREMENTS

1. WORKMANSHIP SHALL CONFORM TO NECA PUBLICATION "STANDARDS OF INSTALLATION".
2. INSTALLATION SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, STATE BUILDING CODE, AND ALL REQUIREMENTS OF THE LOCAL INSPECTOR (FURNISH INSPECTION CERTIFICATE). ALL WORK SHALL BE BY LICENSED ELECTRICAL CONTRACTOR.
3. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO INSTALLATION OF ELEC. EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE.
5. ALL BRANCH CIRCUITS SHALL BE IN ZINC-COATED EMT, OR RIGID CONDUIT AS PERMITTED OR REQUIRED BY THE NATIONAL ELECTRICAL CODE. TYPE MC CABLE MAY BE USED AS PERMITTED BY THE NATIONAL ELECTRICAL CODE. SCHEDULE 40 PVC CONDUIT MAY BE USED ONLY FOR THE SECONDARY UNDERGROUND SERVICE, THE UNDERGROUND TELEPHONE SERVICE CONDUIT, AND BRANCH TELEPHONE SYSTEM CONDUITS LOCATED BELOW THE FLOOR SLAB ON GRADE OR BURIED ON THE EXTERIOR OF THE BUILDING, OR IN CONCRETE BLOCK WALLS. ALL CONDUIT SHALL BE A 1/2" MINIMUM SIZE. EMT FITTINGS SHALL BE STEEL COMPRESSION TYPE.
6. PROVIDE 4"WIDE PLASTIC TAPE, MAGNETIC DETECTABLE TYPE, COLORED RED WITH SUITABLE WARNING LEGEND DESCRIBING BURIED ELECTRICAL LINES OR ORANGE DESCRIBING BURIED TELEPHONE LINES.
7. ALL CONDUCTORS SHALL BE COPPER TYPE THHN, OR XHHW, SOLID FOR #10 AWG OR #12 AWG, AND STRANDED FOR ALL LARGER SIZES.
8. ALL WIRING SHALL BE CONCEALED IN WALLS, UNDER SLAB, OR ABOVE SUSPENDED CEILING SPACE.
9. ALL WIRE AND CONDUIT SIZES ARE BASED ON 75°C THHN WIRE UNLESS OTHERWISE NOTED.
10. ALL MOUNTING HEIGHTS ARE GIVEN TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED. RECEPTACLES TO BE MOUNTED 18" AFF UNLESS OTHERWISE NOTED. LIGHT SWITCHES TO BE MOUNTED 48" AFF UNLESS OTHERWISE NOTED.
11. THE LOCATION OF ALL WALL MOUNTED DEVICES, INCLUDING MOUNTING HEIGHTS, SHALL BE FIELD VERIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.
12. ALL FUSES, DISCONNECT SWITCHES, AND BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
13. 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, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES. COORDINATE CLOSELY.
14. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED SO THAT ALL CODE-REQUIRED AND MANUFACTURER-RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED. INSTALLATIONS SHALL FULLY COMPLY WITH NEC 110-26 FOR CLEARANCE REQUIREMENTS.
15. GROUND SHALL BE PER N.E.C. PROVIDE SEPARATE GROUNDING CONDUCTOR FOR ALL CIRCUITS. PROVIDE DRIVEN AND COLD WATER GROUND FOR MAIN SERVICE.
16. ALL WIRING SHALL BE CONCEALED IN METALLIC CONDUIT.
17. ALL CIRCUITS SHALL BE TESTED WITH 500 VOLT TESTER PRIOR TO ENERGIZING.
18. ALL WALL OUTLET BOXES SHALL BE STEEL CITY OR RACO

19. RECEPTACLES, SWITCHES, COVERPLATES, ETC. SHALL BE HUBBELL, LEVITON, OR LEGRAND EXCEPT AS SPECIFIED. COLOR SPECIFIED BY ARCHITECT, VERIFY COLOR PRIOR TO PURCHASE.
20. PROVIDE PULL WIRE IN ALL EMPTY CONDUIT.
21. ALL RECEPTACLE AND SWITCH PLATES SHALL BE LEGIBLY MARKED WITH LABEL MARKER TO CLEARLY INDICATE PANELBOARD ORIGIN AND CIRCUIT NUMBER. VERIFY IF LABEL SHOULD BE ON THE INSIDE OR OUTSIDE FACE OF COVERPLATE WITH OWNER/TENANT.
22. PROVIDE PHENOLIC LABELS ON ALL MAJOR EQUIPMENT INCLUDING SWITCHBOARDS, MOTOR CONTROL CENTERS, PANELBOARDS, INDIVIDUAL STARTERS, SAFETY SWITCHES, AND TRANSFORMERS. PROVIDE ENGRAVED THREE-LAYER LAMINATED PLASTIC, WHITE LETTERS ON BLACK BACKGROUND.
23. ALL CIRCUIT BREAKERS IN PANEL SHALL BE SERIES RATED WITH MAIN BREAKER OR FULLY RATED FOR THE SYSTEM.
24. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE W/ ALL OTHER TRADES REGARDING VOLTAGES, LOADS, CIRCUIT BREAKERS, ETC. PRIOR TO BEGINNING ANY WORK.
25. AS USED ON THESE DOCUMENTS, THE WORD "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL THE ITEM OR EQUIPMENT AND MAKE THE FINAL CONNECTION AS REQUIRED.
26. PANELS SHALL BE BY SQUARE "D", G.E. AND SIEMENS. PANELS SHALL BE SQUARE "D" TYPE NQOD OR "I-LINE" AS REQUIRED.
27. FOR NEW OR MODIFIED SERVICES, PRIOR TO ENERGIZATION AND AFTER UTILITY FAULT CURRENT CONFIRMATION AT THE DELIVERY POINT, PROVIDE PLAQUE AT SERVICE EQUIPMENT STATING MAXIMUM AVAILABLE FAULT CURRENT AND DATE OF CALCULATION PER NEC 110.24.
28. OPERABLE DEVICES SHALL BE ACCESSIBLE IN COMPLIANCE WITH ANSI A117.1, SECTION 309, OPERABLE PARTS. WHERE GFI RECEPTACLES ARE NOT ACCESSIBLE, PROVIDE GFI BREAKER.
29. UPON PROJECT COMPLETION, THE EC SHALL PROVIDE TYPED CIRCUIT DIRECTORIES FOR ALL NEW AND ALTERED PANELBOARDS WITH CIRCUIT DESIGNATIONS COMPLYING WITH THE REQUIREMENTS OF NEC 408.4(A).
30. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABELED AND LISTED BY A THIRD PARTY AGENCY. THE THIRD PARTY AGENCY SHALL BE AMONG THOSE ACCEPTABLE TO THE NC BUILDING CODE COUNCIL TO LABEL ELECTRICAL AND MECHANICAL EQUIPMENT.

ELECTRICAL SYMBOL LEGEND



HOMERUN TO POWER SOURCE, 2#12, #12G 1/2" C UON



PANELBOARD



WEATHERPROOF WHILE-IN-USE GFCI DUPLEX RECEPTACLE



JUNCTION BOX, WEATHERPROOF



WALL MOUNTED DECORATOR DIGITAL TIMER SWITCH WITH ON/OFF BUTTON, 48" AFF, 120/277V PROGRAMMABLE . INTERMATIC E1400 SERIES OR EQUAL (IN WEATHERPROOF ENCLOSURE)



PHOTOCELL, MOUNT WITH SENSOR FACING NORTH, EXACT LOCATION TO BE DETERMINED

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SHEET TITLE:
ELECTRICAL
COVER SHEET

Project Number: 25-032

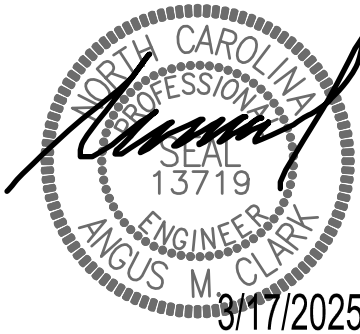
Date Drawn: 3/17/2025

Drawn By: RW

Checked By: AMC

SHEET No.

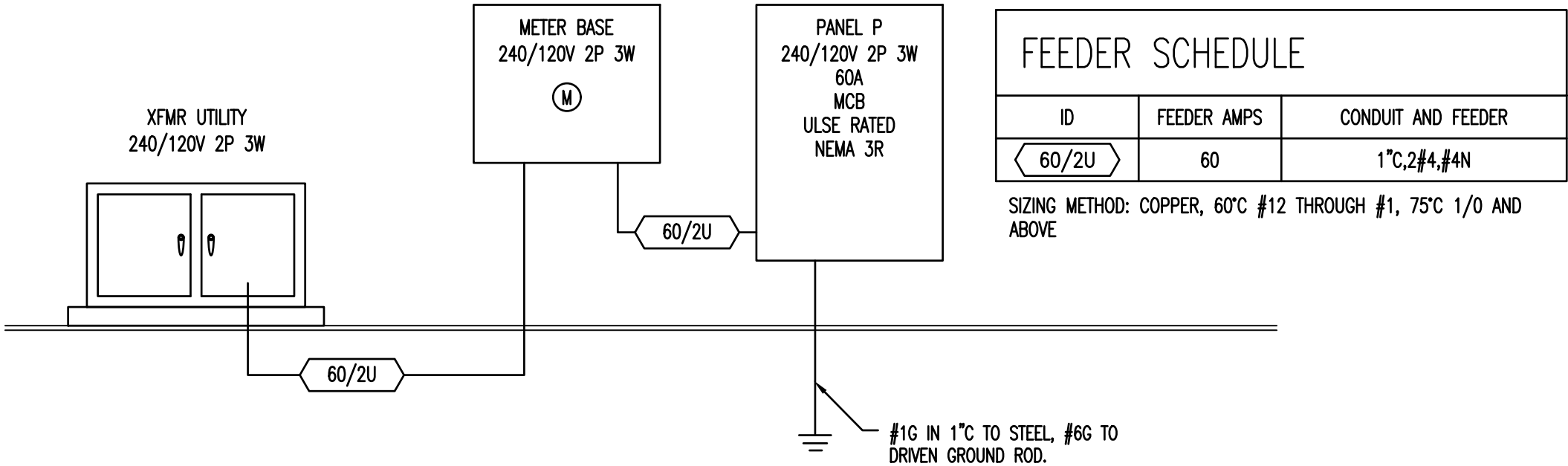
E1



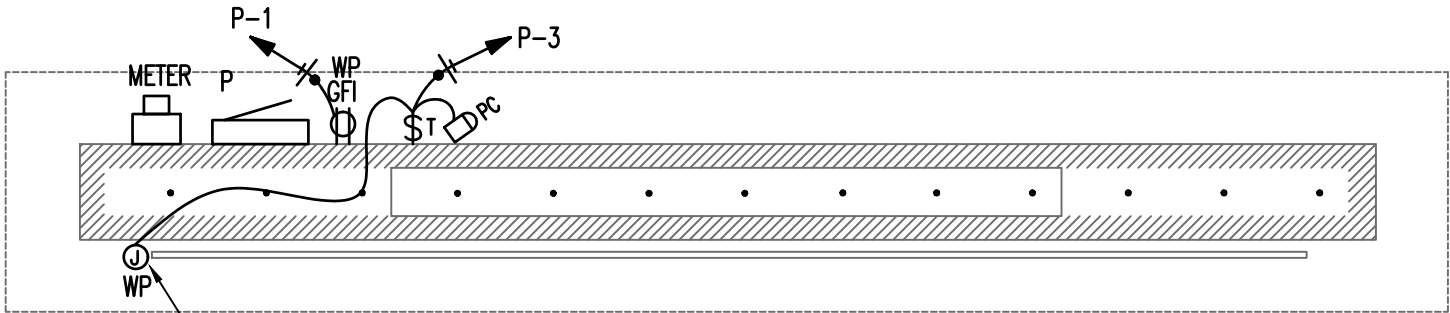
PER NEC 110.24, THE SERVICE EQUIPMENT ENCLOSURE(S) SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE THE AVAILABLE FAULT CURRENT. THE ELECTRICAL CONTRACTOR SHALL OBTAIN, FROM THE POWER COMPANY, THE ACTUAL AVAILABLE FAULT CURRENT AT THE POINT OF DELIVERY. THE CONTRACTOR SHALL CONTACT THE ENGINEER WITH THIS VALUE AND THE VERIFIED LENGTH OF CONDUCTORS RUN FROM THE POINT OF DELIVERY TO THE SERVICE ENCLOSURE FOR CALCULATIONS OF THE AVAILABLE FAULT CURRENT. THE RESULTING CALCULATED VALUE SHALL BE MARKED ON THE EXTERIOR OF THE SERVICE ENCLOSURE ON AN ENGRAVED PLACARD THAT SHALL READ AS FOLLOWS:

AVAIL. FAULT CURRENT _____
DATE CALCULATED _____

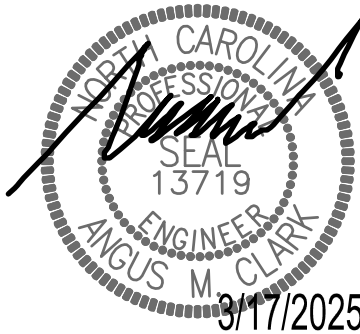
NOTE: NEW ELEC. SERVICE, METER BASE TYPE AND LOCATION OF ALL EQUIPMENT SHALL BE CLOSELY COORDINATED BY THE EC WITH THE UTILITY COMPANY. CHANGES IN EXACT EQUIPMENT PLACEMENT, MOUNTING HEIGHTS AND CONNECTION MAY BE REQUIRED. EC SHALL FOLLOW UTILITY GUIDELINES, THE NEC AND ALL LOCAL REQUIREMENTS FOR SERVICE EQUIPMENT INSTALLATION. EC SHALL CONTACT UTILITY PRIOR TO BEGINNING ANY WORK AND SCHEDULE AN ON-SITE COORDINATION MEETING TO REVIEW UTILITY REQUIREMENTS AND THE PLANNED INSTALLATION. ADDITIONAL CONDUIT, WIRING, FEES OR WORK REQUIRED BY THE UTILITY NOT SHOWN ON THIS RISER SHALL BE COORDINATED BY THE EC AT THE BEGINNING OF THE PROJECT AND INCLUDED IN PRICING BY THE EC TO THE OWNER.



1 POWER RISER DIAGRAM
E2 SCALE: NTS



2 ELECTRICAL LAYOUT
E2 SCALE: 3/8" = 1'-0"



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SHEET TITLE:
ELECTRICAL PLAN
& RISER DIAGRAM

Project Number: 25-032
Date Drawn: 3/17/2025
Drawn By: RW
Checked By: AMC

SHEET No.

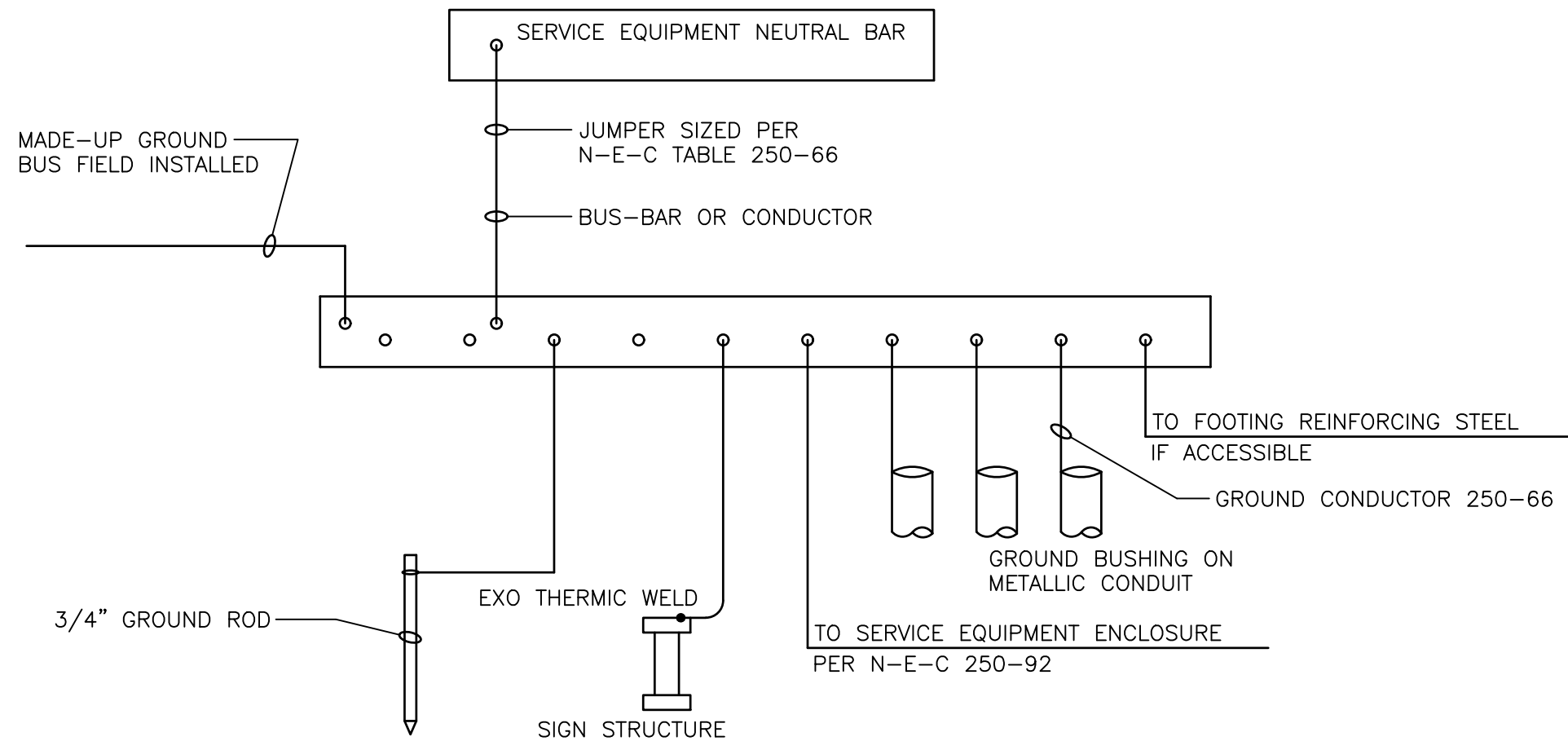
E2

P

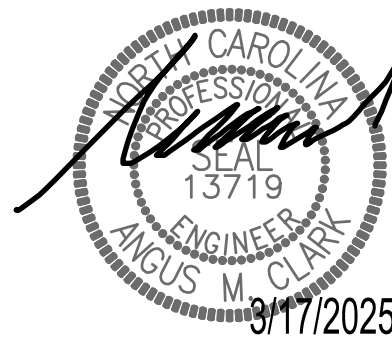
ROOM EXTERIOR			VOLTS 240/120V 2P 3W			AIC 10,000			
MOUNTING SURFACE			BUS AMPS 60			MAIN BKR 60			
FED FROM METER BASE			NEUTRAL 100%			LUGS STANDARD			
NOTE ULSE RATED, NEMA 3R									

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA	
			A	B				A	B
1	20/1	RECEPTACLE	0.18		2	—/1	SPACE	0.00	
3	20/1	LETTERS, LIGHTING		0.22	4	—/1	SPACE		0.00
5	—/1	SPACE	0.00		6	—/1	SPACE	0.00	
7	—/1	SPACE		0.00	8	—/1	SPACE		0.00
9	—/1	SPACE	0.00		10	—/1	SPACE	0.00	
11	—/1	SPACE		0.00	12	—/1	SPACE		0.00
					TOTAL CONNECTED KVA BY PHASE			0.18	0.22

	CONN KVA	CALC KVA			CALC KVA
LIGHTING	0.22	0.28	(125%)	TOTAL LOAD	0.46
RECEPTACLES	0.18	0.18	(50%>10)	BALANCED LOAD	1.90 A



1
E3
SERVICE EQUIPMENT GROUNDING DETAIL
SCALE: NTS



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SHEET TITLE:
SCHEDULE & DETAIL

Project Number: 25-032

Date Drawn: 3/17/2025

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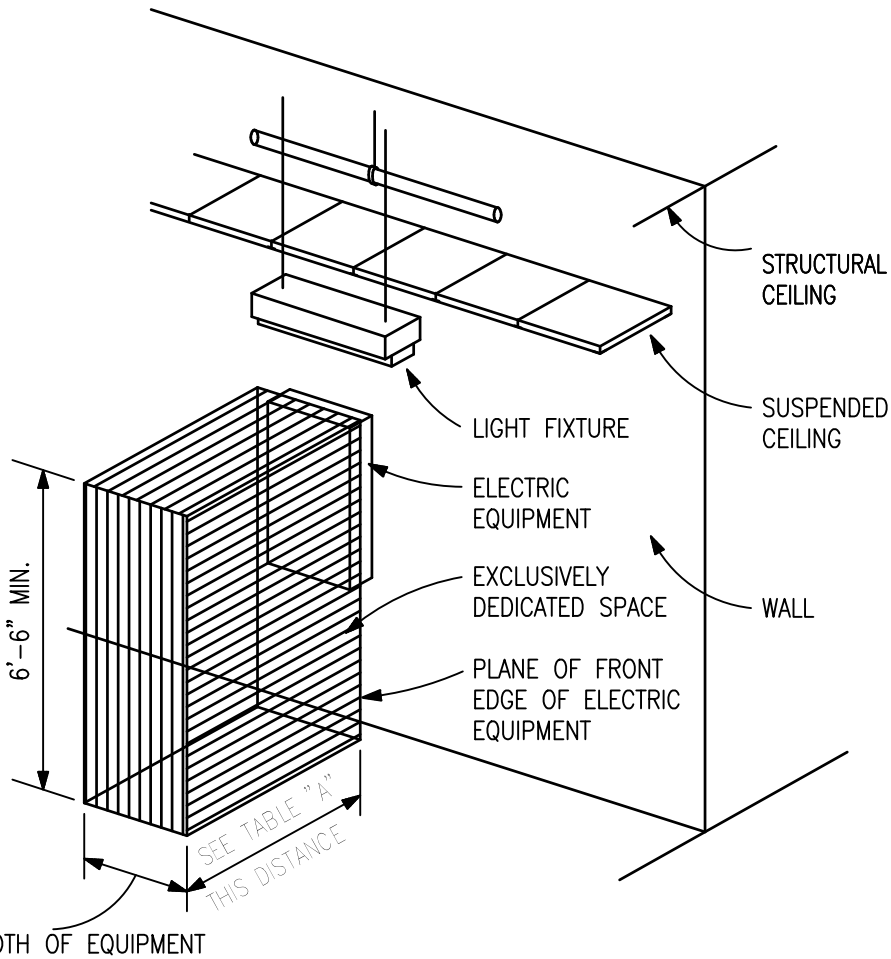
E3

TABLE "A" WORKING CLEARANCES				
VOLTAGE TO GROUND, NOMINAL	CONDITION:	MINIMUM CLEAR DISTANCE (FEET)		
		1	2	3
0-150 151-600		3	3	3
		3	3 1/2	4

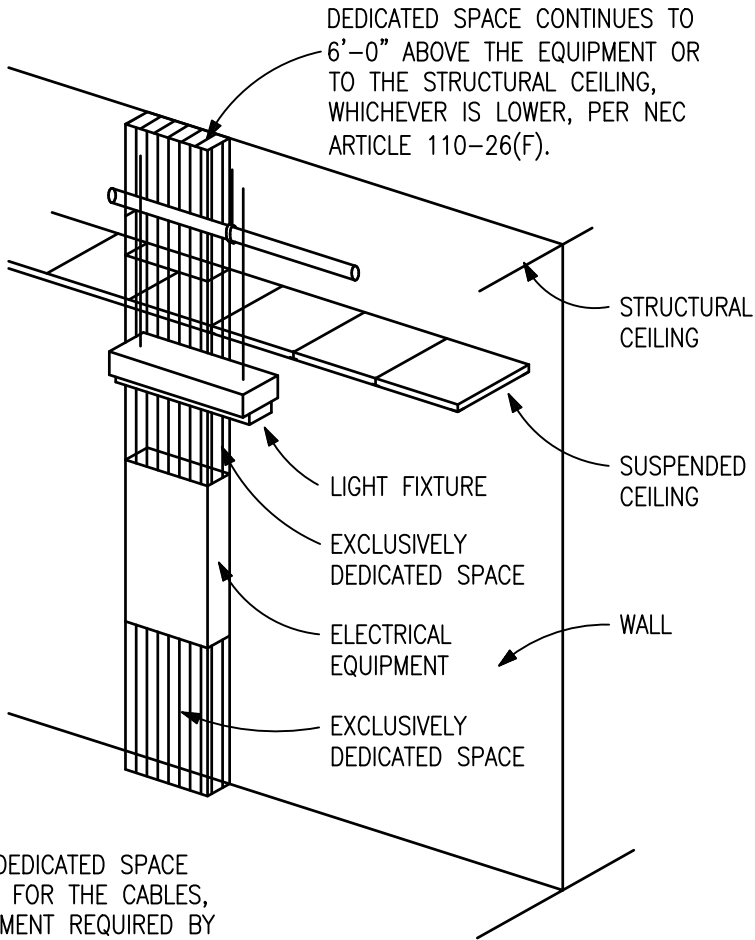
WHERE THE "CONDITIONS" ARE AS FOLLOWS:

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NOTE:
THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF ELECTRIC EQUIPMENT REQUIRED BY SECTION 110.26 OF THE NATIONAL ELECTRICAL CODE.



1 WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT
E4 SCALE: NTS



NOTE:
THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER THE ELECTRICAL EQUIPMENT FOR THE CABLES, RACEWAYS, ETC... TO AND FROM THE ELECTRICAL EQUIPMENT REQUIRED BY SECTION 110.26(F) OF THE NATIONAL ELECTRICAL CODE.

2 DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
E4 SCALE: NTS

ELECTRICAL SYSTEM AND EQUIPMENT (SECTION C405)

METHOD OF COMPLIANCE SECTION C405.1 ■

LIGHTING SCHEDULE

LAMP TYPE REQUIRED IN FIXTURE
NUMBER OF LAMPS IN FIXTURE
BALLAST TYPE USED IN FIXTURE
NUMBER OF BALLASTS IN FIXTURE
TOTAL WATTAGE PER FIXTURE
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED: N/A
TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED: 0.2kW VS 0.7kW

SEE LIGHTING
FIXTURE SCHEDULE

ADDITIONAL EFFICIENCY PACKAGE OPTIONS

- ☐ C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
- ☐ C406.3 REDUCED LIGHTING POWER DENSITY
- ☐ C406.4 ENHANCED DIGITAL LIGHTING CONTROLS
- ☐ C406.5 ON-SITE RENEWABLE ENERGY
- ☐ C406.6 DEDICATED OUTDOOR AIR SYSTEM
- ☐ C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

DESIGNER STATEMENT:

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, ENERGY CODE 2018 EDITION

NAME: _____ ANGUS M. CLARK PE
TITLE: _____ ELECTRICAL ENGINEER

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Purfoy Rd & Wexford Drive
Fuquay-Varina, NC 27526

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ENGINEERING PC
P.O. BOX 1507
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SHEET TITLE:
DETAILS

Project Number: 25-032

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Checked By: AMC

SHEET No.

E4

