

NEW BUILDING & SITE DEVELOPMENT FOR:

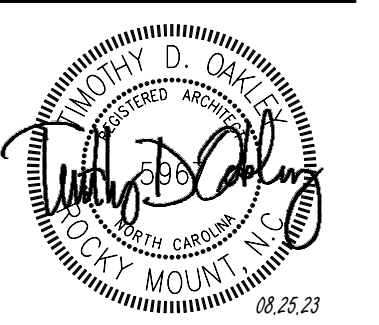
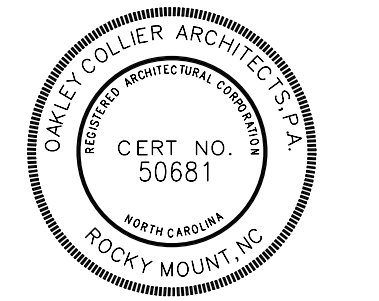
# CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE

PARCEL ID 345908, EASTERN AVE.  
ROCKY MOUNT, NC 27804

SCO ID# 22-24953-02A  
NCCCS # 2657



NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCCS# 2657

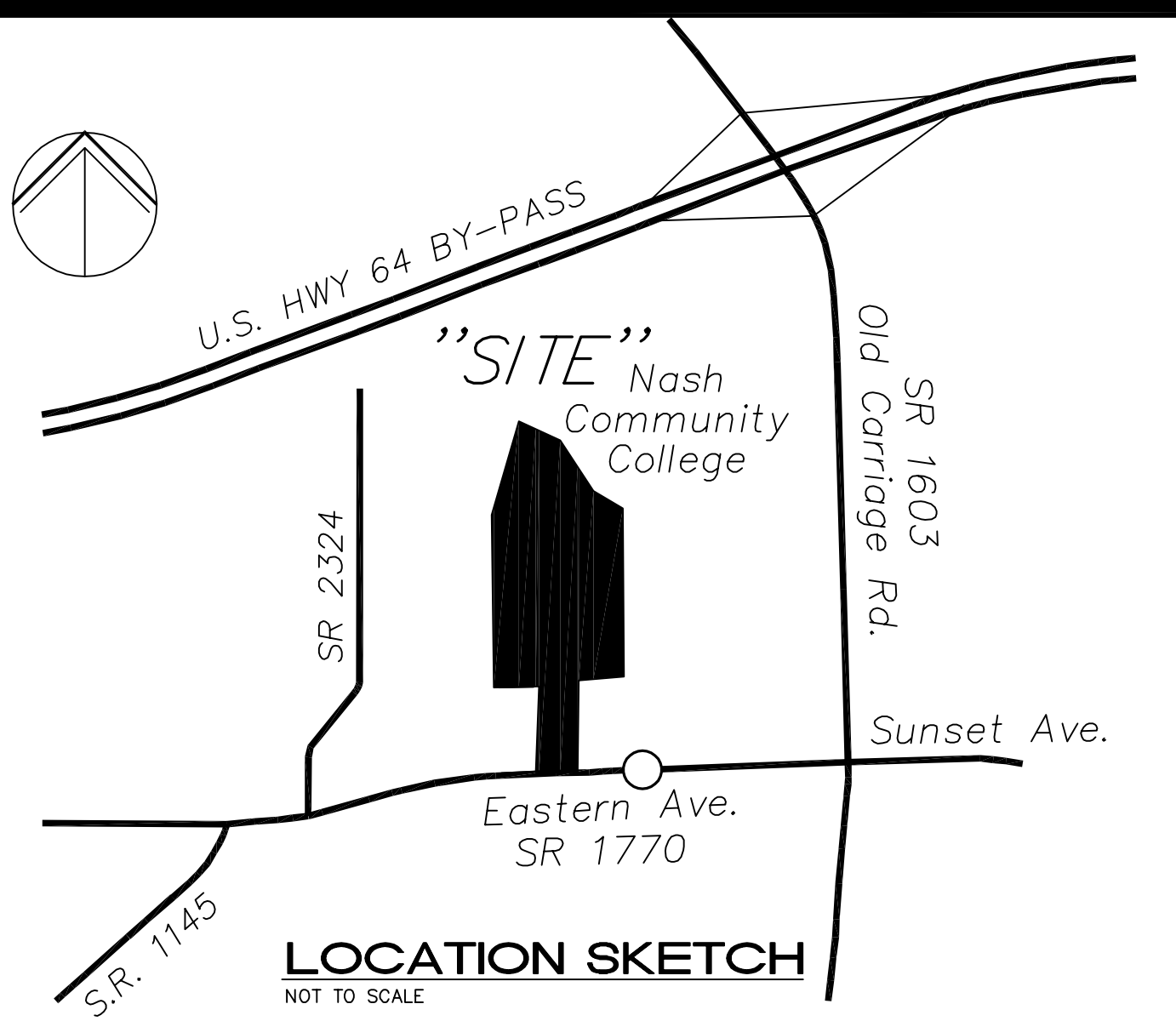


ABBREVIATIONS		SYMBOL LEGEND		SHEET NAMING LEGEND		CONSULTANTS		INDEX OF DRAWINGS																									
<p>@ AREA DRAIN ACC ACCENT COLOR ACT ACOUSTICAL CEILING TILE ACOUS ACOUSTIC ACW ACOUSTICAL WALL PANELS ADU ADJUSTABLE AE APPROVED EQUAL AFF ABOVE FINISH FLOOR AHU AIR HANDLING UNIT ALUM ALUMINUM ANOD ANODIZED ANSI AMERICAN NATIONAL STANDARDS INSTITUTE</p> <p>BF BLOCK FILL BFC BROOMED FINISHED BL CONCRETE BLDG BUILDING BOT BOTTOM</p> <p>CSCI CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED CG CURVED CEILING GRID CJ CONTROL JOINT CLG CEILING CL CENTERLINE CMU CONCRETE MASONRY UNIT COL COLUMN CONC CONCRETE CORR CORRUGATED CPT CARPET CW CURTAINWALL</p> <p>DIA DIAMETER DISP DISPENSER DN DOWN DR DOOR DS DOWNSPOUT</p> <p>EW EACH WAY EES EMERGENCY EYE WASH AND SHOWER EFC EPOXY FLOOR COATING EIFS EXTERIOR INSULATION FINISH SYSTEM ELEV ELEVATION EJ EXPANSION JOINT EPT HIGH PERFORMANCE EPOXY PAINT EQ EQUAL EST EXISTING ETR EXISTING TO REMAIN EXT EXTERIOR EXP EXPOSED CEILING</p>	<p>EWC ELECTRIC WATER COOLER FD FLOOR DRAIN FEB FIRE EXTINGUISHER BRACKET FEC FIRE EXTINGUISHER CABINET FF FINISH FLOOR FH FIRE HYDRANT FOF FACE OF FRAME FOM FACE OF MASONRY FTG FOOTING</p> <p>GA GENERAL CONTRACTOR GAGE GALV GALVANIZED GT GROUT GYPSUM BOARD HC HOLLOW CORE HOSE BB HC HANDICAPP HDWD HARDWOOD HM HOLLOW METAL HRZ HORIZONTAL HR HOUR</p> <p>IMP INSULATED METAL PANEL INSUL INSULATION INT INTERIOR JB JOIST BEARING JT JOINT LVS LEAVES (DOOR) LVT LUXURY VINYL TILE</p> <p>MATL MATERIAL MAX MAXIMUM MECH MECHANICAL MFR MANUFACTURER MIN MINIMUM MND MASONRY OPENING MTD MOUNTED MTL METAL</p> <p>NIC NOT IN CONTRACT NOM NOMINAL OC ON CENTER OD OUTSIDE DIAMETER OFOI OWNER FURNISHED, OWNER INSTALLED OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OPP OPPOSITE OSC OVERFLOW SCUPPER</p>	<p>P.LAM POLISHED CONCRETE PC PERFORATED PL PLATE PLYWD PLYWOOD PT PAINT PR PAIR PS PROJECTION SCREEN PTD PAINTED QS QUARTZ SURFACE</p> <p>R RADIUS RAS ROD AND SHELF RB RUBBER BASE RD ROOF DRAIN RDL ROOF DRAIN LEADER REQD REQUIRED REQS REQUIREMENTS RO ROUGH OPENING ROW RIGHT OF WAY</p> <p>SC SEALED CONCRETE SCH SCHEDULE SCHW SOLID CORE WOOD SDT STATIC DISSIPATIVE TILE SF SQUARE FEET SIM SIMILAR SLS SOLID SURFACE SQ SQUARE SS STAINLESS STEEL SSG STRUCTURAL SILICON GLAZING STL STEEL SF STOREFRONT STD STANDARD SUSP SUSPENDED</p> <p>T&amp;G TONGUE AND GROOVE TCA TILE COUNCIL OF AMERICA TEMP TEMPERED TEXT TEXTURED TOC TOP OF CURB TOS TOP OF STEEL TV TELEVISION TYP TYPICAL</p> <p>UL UNDERWRITERS LABORATORY UNLESS OTHERWISE NOTED VCT VINYL COMPOSITION TILE VERT VERTICAL VIF VERIFY IN FIELD WI WITH WC WATER CLOSET WD WOOD</p>	<p>DRAWING NO.  View Name SCALE 1/8" = 1'-0"</p> <p>SHEET NO.  BUILDING SECTION MARK</p> <p>DETAIL NO.  WALL SECTION MARK</p> <p>SHEET NO.  CALLOUT DETAIL</p> <p>DETAIL NO.  EXTERIOR ELEVATION MARK</p> <p>SHEET NO.  INTERIOR ELEVATION MARK</p> <p>DETAIL NO.  INTERIOR ELEVATION MARK</p> <p>SHEET NO.  INTERIOR ELEVATION MARK</p> <p>ELEVATION VALUE </p> <p>REFERENCE DESCRIPTION </p> <p> DOOR MARK  WINDOW MARK  CASEWORK MARK  WALL MARK  ACCESSORY MARK  DEMO MARK  REVISION AREA / NUMBER ROOM NAME  ROOM MARK ROOM NO.  CARD READER</p>	<p>SECTION 0 GENERAL 1 PLANS 2 EXTERIOR ELEVATIONS 3 BUILDING / WALL SECTIONS 4 VERTICAL CIRCULATION 5 DETAILS 6 WINDOW &amp; DOOR SCHEDULES 7 INTERIOR ELEV / CASEWORK</p> <p>DISCIPLINE G COVER G CODE SUMMARY G LIFE SAFETY CE CIVIL L LANDSCAPE S STRUCTURAL D DEMOLITION A ARCHITECTURAL Q EQUIPMENT FP FIRE PROTECTION P PLUMBING M MECHANICAL E ELECTRICAL FA FIRE ALARM X MISCELLANEOUS</p> <p>PAGE NUMBER <b>A1.01</b></p> <p>APPLICABLE TO ARCHITECTURAL SHEETS ONLY</p>	<p>CIVIL ENGINEER: <b>STOCKS ENGINEERING</b> 801 EAST WASHINGTON STREET, PO BOX 1108 NASHVILLE, NC 27866 PHONE: 252-459-8196</p> <p>PLUMBING, MECHANICAL, &amp; ELECTRICAL ENGINEER: <b>ATLANTEC ENGINEERS, PA</b> 3221 BLUE RIDGE ROAD, SUITE 113 RALEIGH, NC 27612 PHONE: 919-571-1111</p>	<p><b>GENERAL</b> G0.1 COVERSHEET G0.2 BUILDING CODE SUMMARY</p> <p><b>CIVIL</b> CE-00 COVER CE-01 DEMOLITION PLAN CE-02 SITE AND UTILITY PLAN CE-03 WATER LINE PROFILE CE-04 GRADING &amp; DRAINAGE PLAN CE-05 INITIAL EROSION CONTROL PLAN CE-06 FINAL EROSION CONTROL PLAN D-01 EROSION CONTROL NOTES/DETAILS D-02 EROSION CONTROL DETAILS D-03 SITE NOTES AND DETAILS D-04 SITE NOTES AND DETAILS D-05 MARKING DETAILS D-06 NPDES SHEET D-07 NPDES SHEET D-08 WET POND PLAN D-09 COLORED STRIPING PLAN</p> <p><b>ARCHITECTURAL</b> A1.1 FOUNDATION &amp; ROOF FRAMING PLAN A1.2 LIFE SAFETY, FLOOR PLAN, SCHEDULES, &amp; DETAILS A1.3 REFLECTED CEILING &amp; ROOF PLANS A2.1 BUILDING ELEVATIONS &amp; SECTIONS A3.1 WALL SECTIONS &amp; DETAILS A6.1 DOOR/WINDOW SCHEDULES &amp; DETAILS</p> <p><b>PLUMBING</b> P1.1 PLUMBING PLAN P2.1 PLUMBING FIXTURE SCHEDULE AND RISER P3.1 PLUMBING NOTES, LEGEND, AND DETAILS</p> <p><b>MECHANICAL</b> M1.1 MECHANICAL PLAN M2.1 MECHANICAL SCHEDULES, NOTES, AND DETAILS</p> <p><b>ELECTRICAL</b> E1.1 POWER RISER DIAGRAM, POWER PLAN, PANEL SCHEDULE E1.2 SITE LIGHT PLAN E2.1 LEGEND, NOTES, FIXTURE SCHEDULE E2.2 DETAILS</p>																											
				<p>VICINITY MAP</p>		<p>ALTERNATES</p> <p>ALT. BID ITEM C-1, ASPHALT DRIVE AND PARKING: THE CONTRACTOR SHALL STIPULATE THE AMOUNT TO BE ADDED TO THE BASE BID TO PROVIDE 1.5" 99.5C ASPHALT OVER 4" 1-19.0C IN DRIVE AISLE AND PARKING AREAS AS DELINEATED ON CIVIL PLANS. AREAS SHOWN AS CONCRETE (SIDEWALKS, ADA PARKING, AND ACCESS AISLE) SHALL BE INCLUDED IN BASE BID.</p> <p>ALT. BID ITEM C-2, BRICK AT ENTRANCE GATE: THE CONTRACTOR SHALL STIPULATE THE AMOUNT TO BE ADDED TO THE BASE BID FOR THE INSTALLATION BRICK COLUMNS AS SHOWN ON SHEET D-04. BASE BID SHALL BE PAINTED STEEL PIPE SUPPORT POSTS IN LIEU OF BRICK COLUMNS.</p> <p>ALT. BID ITEM C-3, GRAVEL TRUCK PARKING: THE CONTRACTOR SHALL STIPULATE THE AMOUNT TO BE ADDED TO THE BASE BID FOR THE INSTALLATION OF THE GRAVEL TRUCK PARKING AS DELINEATED IN THE CIVIL PLANS. BASE BID SHALL EXCLUDE THE GRAVEL TRUCK PARKING.</p>																											
<p>GENERAL NOTE: Prior to construction start, Contractor shall verify &amp; be responsible for all Dimensions.</p> <table border="1"> <thead> <tr> <th>Revisions</th> <th>#</th> <th>Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <tr> <td>Date</td> <td>Project No.</td> </tr> <tr> <td>08.25.23</td> <td>21056</td> </tr> <tr> <td>Drawn By</td> <td>Sheet No.</td> </tr> <tr> <td>JCS</td> <td>G0.1</td> </tr> <tr> <td>Checked By</td> <td></td> </tr> <tr> <td>TDO</td> <td></td> </tr> <tr> <td colspan="2">Sheet Title</td> </tr> <tr> <td colspan="2">COVERSHEET</td> </tr> </table>										Revisions	#	Description	Date					Date	Project No.	08.25.23	21056	Drawn By	Sheet No.	JCS	G0.1	Checked By		TDO		Sheet Title		COVERSHEET	
Revisions	#	Description	Date																														
Date	Project No.																																
08.25.23	21056																																
Drawn By	Sheet No.																																
JCS	G0.1																																
Checked By																																	
TDO																																	
Sheet Title																																	
COVERSHEET																																	

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



# NASH COMMUNITY COLLEGE DRIVER TRAINING EASTERN AVE. ROCKY MOUNT, NORTH CAROLINA



## INDEX

COVER	COVER SHEET
CE-01	DEMOLITION PLAN
CE-02	SITE and UTILITY PLAN
CE-03	WATER LINE PROFILE
CE-04	GRADING and DRAINAGE PLAN
CE-05	INITIAL EROSION CONTROL PLAN
CE-06	FINAL EROSION CONTROL PLAN
D-01	EROSION CONTROL NOTES/DETAILS
D-02	EROSION CONTROL DETAILS
D-03	SITE NOTES and DETAILS
D-04	SITE NOTES and DETAILS
D-05	MARKING DETAILS
D-06	NPDES SHEET
D-07	NPDES SHEET
D-08	WET POND PLAN
D-09	COLOR STRIPING PLAN

## Owner/Developer

Nash Community College  
522 N. Old Carriage Road  
Rocky Mount, NC 27804

Phone: 252.451.8240

Contact: Adrienne Covington, CPA  
ascovington197@nashcc.edu

## Civil Engineering:

Stocks Engineering, P.A.  
801 East Washington Street  
Nashville, NC 27856

Phone: 252.459.8196  
Fax: 252.459.8197

Contact: J. Michael Stocks  
mstocks@stocksengineering.com

## Surveying:

James G. Strickland, Land Surveying, P.A.

123 West Washington Street  
Nashville, North Carolina 27856

Phone: 252.459.3838

Contact: James Strickland, PLS  
cslandsurvey@embarqmail.com

### General Notes:

- Topographical data performed by James G. Strickland Land Surveying, P.A., Nashville, North Carolina.
- The contractor shall notify and cooperate with all utility companies or firms having facilities on or adjacent to the site before disturbing, altering, removing, relocating, adjusting or connecting to said facilities.
- All excavation is unclassified and shall include all materials encountered.
- All structural fill material shall be free of all sticks, rocks, and clumps of mud.
- Unusable excavated materials and all waste resulting from clearing and grubbing shall be disposed of off-site by the contractor in an approved solid waste landfill.
- Location of underground utilities are approximate and must be field verified. Contact the NC One Call Center at least 48 hours prior to digging @ 1.800.632.4949. James G. Strickland has only located the utilities that are above ground at the time of field survey. Underground lines shown hereon are approximate or as reported by various responsible parties. The surveyor does not guarantee that any underground structures such as utilities, tanks and pipes are located hereon.
- All pipe lengths are horizontal distances and are approximate.
- All work shall comply with all applicable codes, regulations, and/or local standards imposed by Nash County, and NCDOT.
- All construction and materials shall meet NCDOT standards, latest edition. All work within within NCDOT right-of-way shall meet the specifications and standards of NCDOT.
- All concrete pipe is to be ASTM C-76, Proper Class per the cover over pipe with ram-nek and stamped NCDOT approved.
- This property is not located in a Flood Hazard Zone per FEMA Map. Ref. No. (3720382100K), dated June 18, 2013.
- All lot dimensions shown are approximate. Consult the boundary survey of actual site boundary information.
- The contractor shall be responsible for all work zone traffic control in or adjacent to NCDOT right-of-way. All signs, pavement markings and other traffic control devices shall conform to the Manual on Uniform Traffic Control Devices (MUTCD), 2003 edition as amended.
- Prior to placing CABG stone base, the contractor should notify the Geotechnical Engineer to inspect and proof roll the subgrade. Any stone place without prior approval will be the sole responsibility of the contractor.
- DESIGN/FIELD CONDITIONS quite easily may vary from that represented in the initial soils report and/or topographical report. Isolated areas may show up weak and adverse soils or groundwater conditions may be discovered that were not revealed during the initial soils investigation. Therefore, the Contractor is to be aware that Stocks Engineering, P.A. will not and cannot be held responsible for any failures to either a street or parking lot pavement design as a result of soil conditions.
- All utility services, (power, telephone, cable, etc.) are proposed to be underground. Do not seed or mulch disturbed areas until all underground utilities have been installed.
- Regulatory signs, stops signs and street name signs shall be manufactured from high intensity reflective materials.
- All excess topsoil and unclassified excavation is to be hauled off-site, unless otherwise directed by the owner.
- All site construction must be inspected by The Project Engineer or Architect, as applicable, at the following stages:
  - Completion of grading subgrade prior to placing Stone Base.
  - Completion of Stone placement prior to paving.
  - Final inspection when all work is complete.
- The surveyor did not visibly see any encumbrances in any open areas unless otherwise noted.
- This property does not depict encumbrances that are found during a thorough title search.
- Concrete Sub shall be responsible for all score joints and expansion joints.
- All on-site curb and gutter to be as shown on plans. Curb and gutter within NCDOT right-of-way to be 30" standard.
- All curb and gutter and sidewalk concrete is to be minimum 3,000 psi at 28 days, air entrained.
- Contractor to furnish all paint striping and thermoplastic (as required by NCDOT) as shown.
- All dimensions are to edge of pavement (EOP) unless indicated otherwise.
- Contractor SHALL NOT POUR any concrete before forms are inspected by the Civil engineer and/or owner. Any concrete that has not been approved by the engineer and/or owner will be the responsibility of the contractor.
- Contractor shall saw-cut to provide smooth transitions where existing asphalt and/or curb and gutter is to be removed.
- The contractor shall provide all the material and appurtenances necessary for the complete installation of the utilities. All pipe and fittings shall be inspected prior to being covered. A minimum of 24 hours notice shall be given to the inspector prior to covering pipe or blockings.
- Information concerning underground utilities was obtained from available records and field conditions when possible, but the contractor must determine the exact location and elevation of all existing utilities by digging test pits by hand at all utility crossings well in advance of trenching. If the clearances are less than specified on the plans or 12 inches, which ever is less, contact the project engineer and the Owner prior to proceeding with construction.
- The contractor is responsible for the design and implementation of all required/necessary sheeting, shoring, and special excavation measures required on the project to meet OSHA, Federal, State and Local regulations pursuant to the installation of the work indicated on the drawings. The Owner and Stocks Engineering, P.A. accept no responsibility for the design to install said items.
- The contractor shall include in the contract price daily record keeping of the as-built condition of all of the underground utilities, construction stakeout associated with the project. Preparation of the necessary/required as-built plans to be submitted to the Nash County and all other information required in connection with release of bonds.
- The Land Disturbance Permit must be kept on the work site and shown upon request.
- The contractor shall include in the contract price any de-watering necessary to construct the project as shown on the plans.
- The contractor shall include in the price, any and all costs associated with providing a professional engineer on site if required, during the construction of the storm water management facilities, underground utilities, etc. as required for as-built certification.
- All gross, topsoil and building debris material dumped onsite shall be removed in the base bid prior to placement of structural fill material.

### GENERAL NOTES: (LOCAL JURISDICTION)

- Any discrepancies in layout should be brought to the Engineer's attention prior to construction.
- Written dimensions supercede scaled dimension. All dimensions are edge of pavement, unless noted otherwise. If dimensions not shown, contractor shall submit RFI and not attempt to scale dimensions from drawings.
- All streets noted as "PUBLIC" shall meet NCDOT minimum standards.
- A 10' utility, drainage and road maintenance easement is reserved along and adjacent to all street right of ways.
- Flared end sections are to be used on both inlet and/or outlet ends of storm sewer unless otherwise noted.
- Each prime contractor performing excavations or underground work shall be responsible for the location of any existing utilities in the area of their work. Notify the utility locator service (1-800-632-4949) at least 48 hours prior to commencing construction in order that existing utilities in the area may be flagged and staked. Contractor shall use all care necessary when working in areas known or suspected to contain underground utilities, including hand digging.
- The contractor is responsible for relocating any existing utilities that conflict with the proposed construction. In addition, the contractor is responsible for repair and replacement of any utilities, curb and gutter, pavement, etc. that may be damaged during construction. Damaged items shall be repaired to at least the quality of the original workmanship. The contractor shall field verify depth of existing utilities and relocate if proposed grading causes utility cover to be less than minimum required.
- All temporary erosion control measures shall be inspected after each pavement and necessary repairs shall be done as required.
- Contractor to install Knox Box.

### SITE INFORMATION

LOCATION: 3800 EASTERN AVENUE  
ROCKY MOUNT, NC 27804  
COUNTY: NASH  
TOTAL SITE ACREAGE: 14.14 Ac.

ZONING: OI

#### MINIMUM BUILDING SETBACKS:

FRONT: 30'  
SIDE: 10'  
REAR: 20'  
SIDE STREET: 10'

EXISTING USE: VACANT  
PROPOSED USE: COMMUNITY COLLEGE

TOTAL BUILDING SIZE: 749 Sq. Ft.

REQUIRED PARKING: TO BE DETERMINED

#### PARKING PROVIDED:

REGULAR 9x19' 7  
H.C. (REGULAR) 1  
H.C. (VAN ACCESSIBLE) 1  
TOTAL 9

TAX ID: 382118409654

EX. IMPERVIOUS AREA: 0 Ac.

PRO. IMPERVIOUS AREA: 3.96 Ac. (28%)

LANDSCAPE AREA: 10.18 Ac. (72%)

RIVER BASIN: TAR RIVER

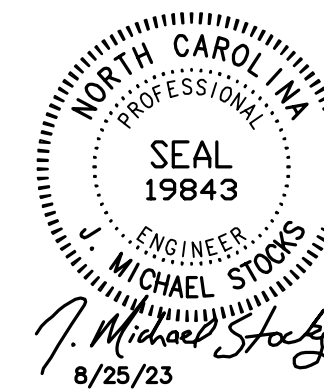
DISTURBED AREA: 3.50 Ac.

FEMA FIRM: 3720382100



BLN-C-1874

SE JOB #2022-073



OAKLEY  
COLLIER  
ARCHITECTS  
OCA

100 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

NEW BUILDING & SITE DEVELOPMENT FOR:  
CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE

PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

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

Revisions	Description	Date
A		

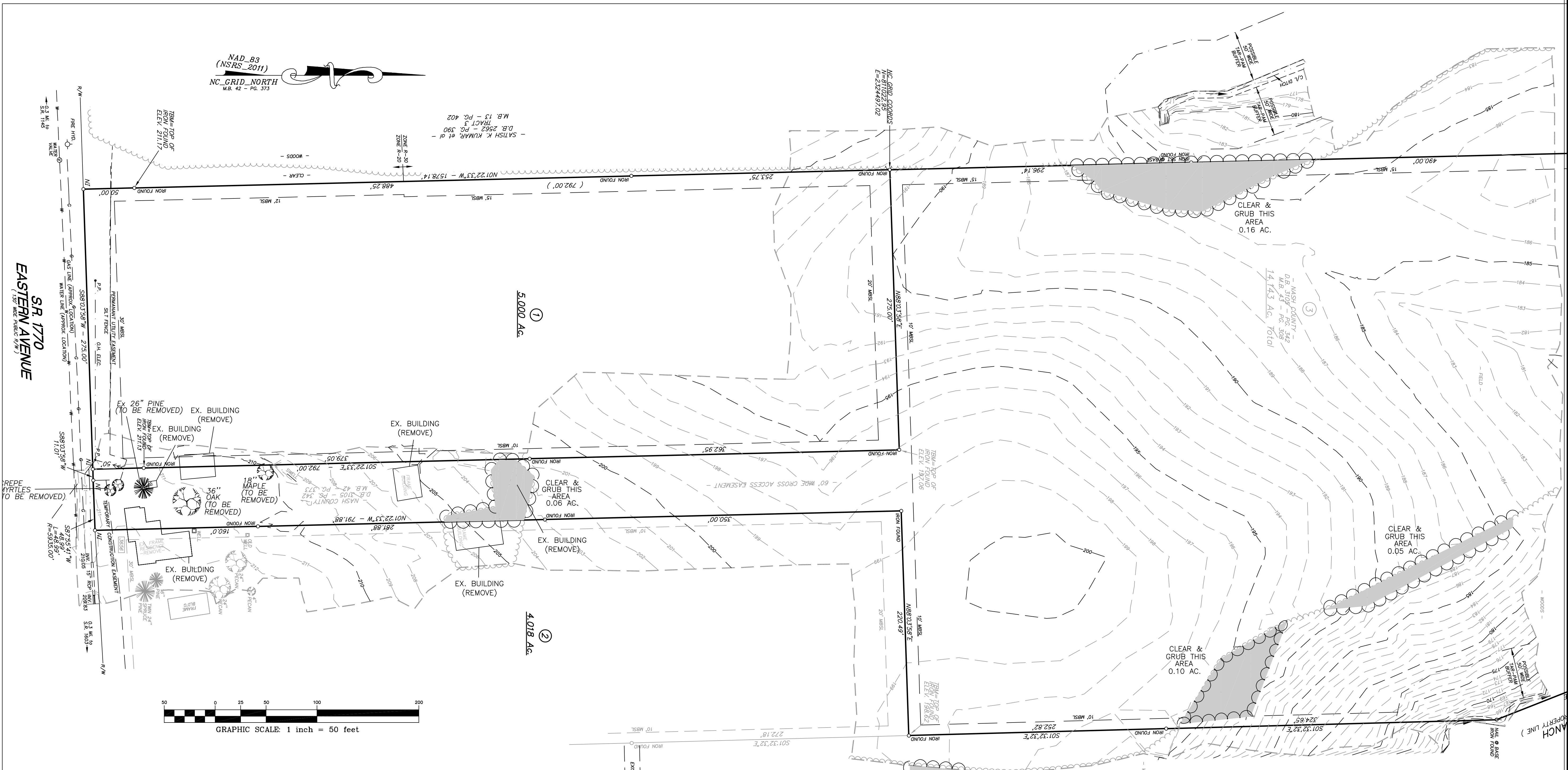
Date	Project No.
08.25.23	21056

Drawn By	Sheet No.
	CE-00

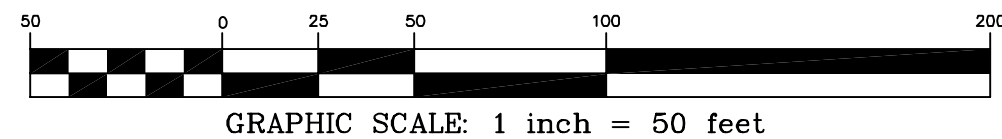
Checked By	Sheet Title
	CIVIL COVER

8/25/23

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



NAD\_83  
(NSRS\_2011)  
NC\_GRID\_NORTH  
M.B. 42 - PG. 373



SR 1770  
EASTERN AVENUE  
(150' WIDE SECTION 1971)

5.000 Ac.

4.018 Ac.

14.143 Ac. Total  
D.B. 309 - PG. 309  
MASH COUNTY

CLEAR & GRUB THIS AREA  
0.10 AC.

CLEAR & GRUB THIS AREA  
0.05 AC.

CLEAR & GRUB THIS AREA  
0.16 AC.

CLEAR & GRUB THIS AREA  
0.25 AC.

**STOCKS ENGINEERING**  
801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856  
P.O. BOX 1108  
PHONE: (252) 459-8196  
WWW.STOCKSENGINEERING.COM

**SEAL 19843**  
NORTH CAROLINA PROFESSIONAL ENGINEER  
MICHAEL STOCKS  
8/25/23

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

Revisions	Description	Date

Date	08.25.23	Project No.	21056
Drawn By		Sheet No.	
Checked By	CE-01	Sheet Title	DEMOLITION PLAN

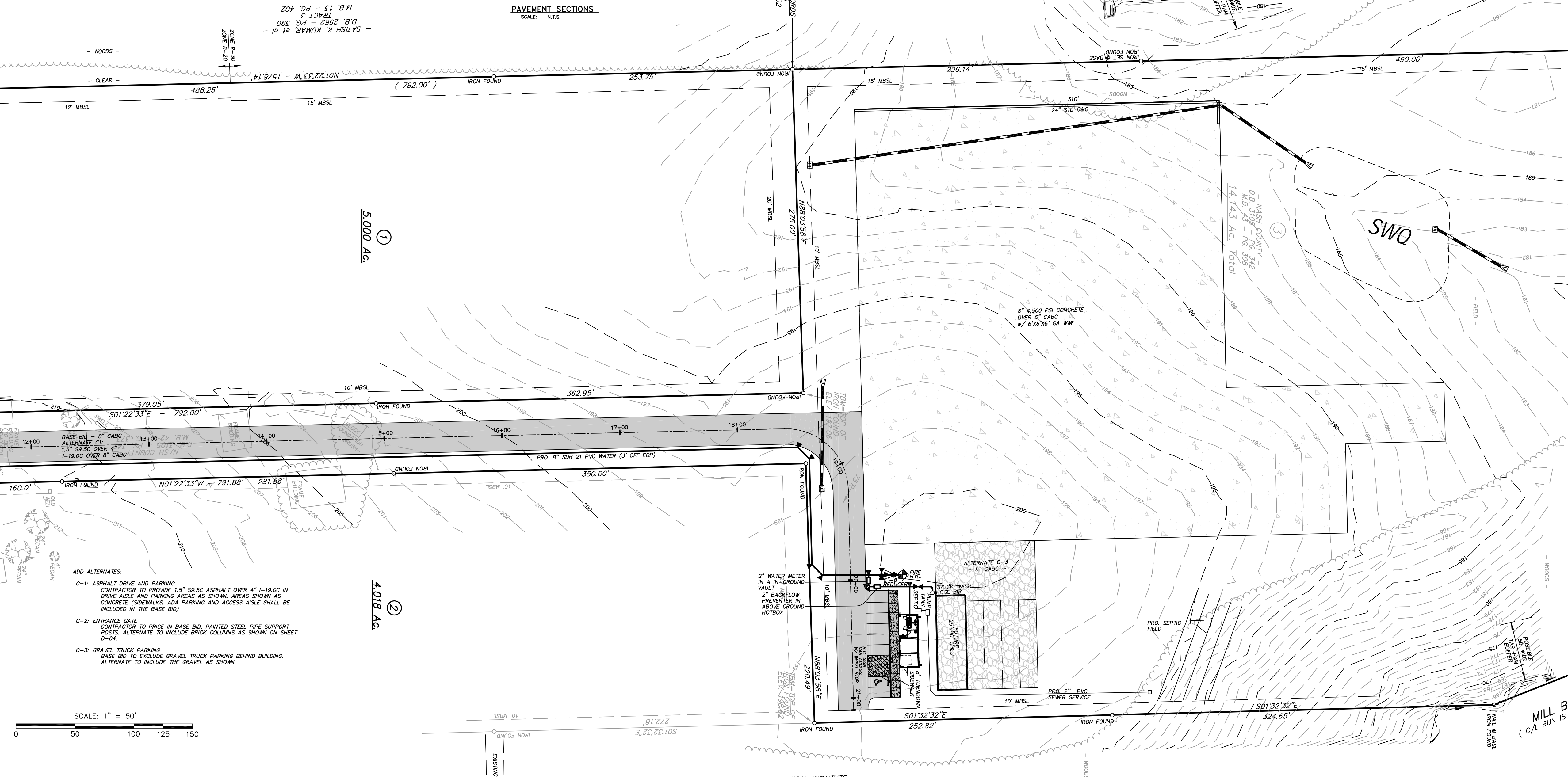
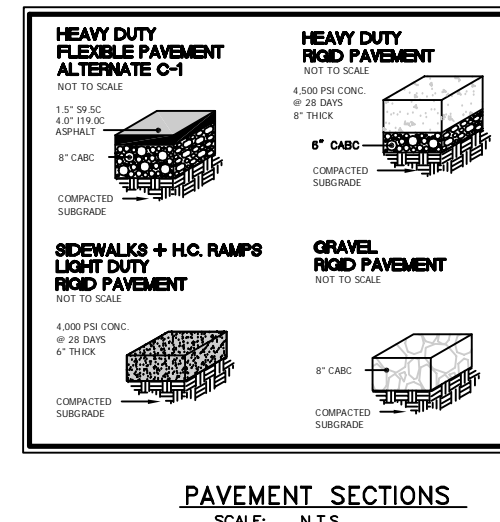
NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908 EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

**OAKLEY COLLIER ARCHITECTS**  
OCA ARCHITECTS  
107 Commonwealth Blvd., Rocky Mount, NC 27804 (P) 252.987.2500  
203 W. Main St., Raleigh, NC 27601 (P) 919.851.7700

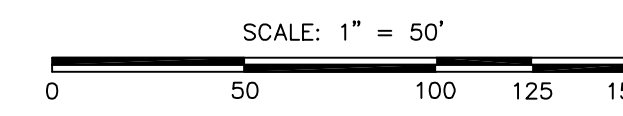
Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

**SR 1770  
EASTERN AVENUE**

NAD 83  
(NSRS\_2011)  
NC\_GRID\_NORTH  
M.B. 42 - Pg. 373

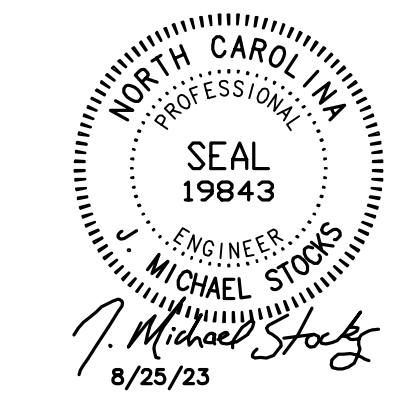


- ADD ALTERNATES:
- C-1: ASPHALT DRIVE AND PARKING  
CONTRACTOR TO PROVIDE 1.5" SG SC ASPHALT OVER 4" 1-18.0C IN DRIVE AISLE AND PARKING AREAS AS SHOWN. AREAS SHOWN AS CONCRETE (SIDEWALKS, ADA PARKING AND ACCESS AISLE SHALL BE INCLUDED IN THE BASE BID)
  - C-2: ENTRANCE GATE  
CONTRACTOR TO PRICE IN BASE BID. PAINTED STEEL PIPE SUPPORT POSTS. ALTERNATE TO INCLUDE BRICK COLUMN AS SHOWN ON SHEET D-04.
  - C-3: GRAVEL TRUCK PARKING  
BASE BID TO EXCLUDE GRAVEL TRUCK PARKING BEHIND BUILDING. ALTERNATE TO INCLUDE THE GRAVEL AS SHOWN.



ONSITE CONCRETE BATCHING  
CONTRACTOR IS ALLOWED TO MIX AND BATCH CONCRETE ONSITE IN LIEU OF TRANSPORTING FROM THE LOCAL CONCRETE PLANT.

**STOCKS ENGINEERING**  
801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856  
P.O. BOX 1108  
PHONE: (252) 459-8196  
WWW.STOCKSENGINEERING.COM  
SE JOB #2022-073

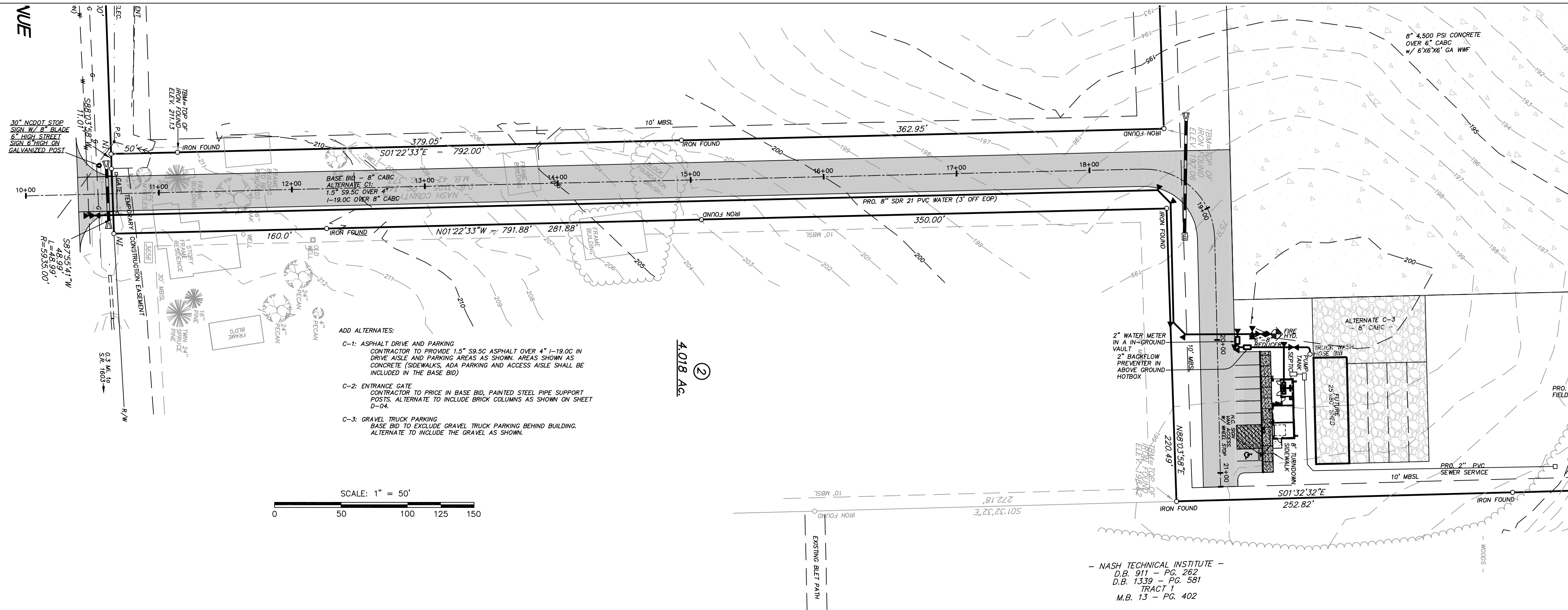


GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.	
Date	08.25.23
Project No.	21056
Drawn By	CE-02
Checked By	
Sheet Title	SITE AND UTILITY PLAN

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

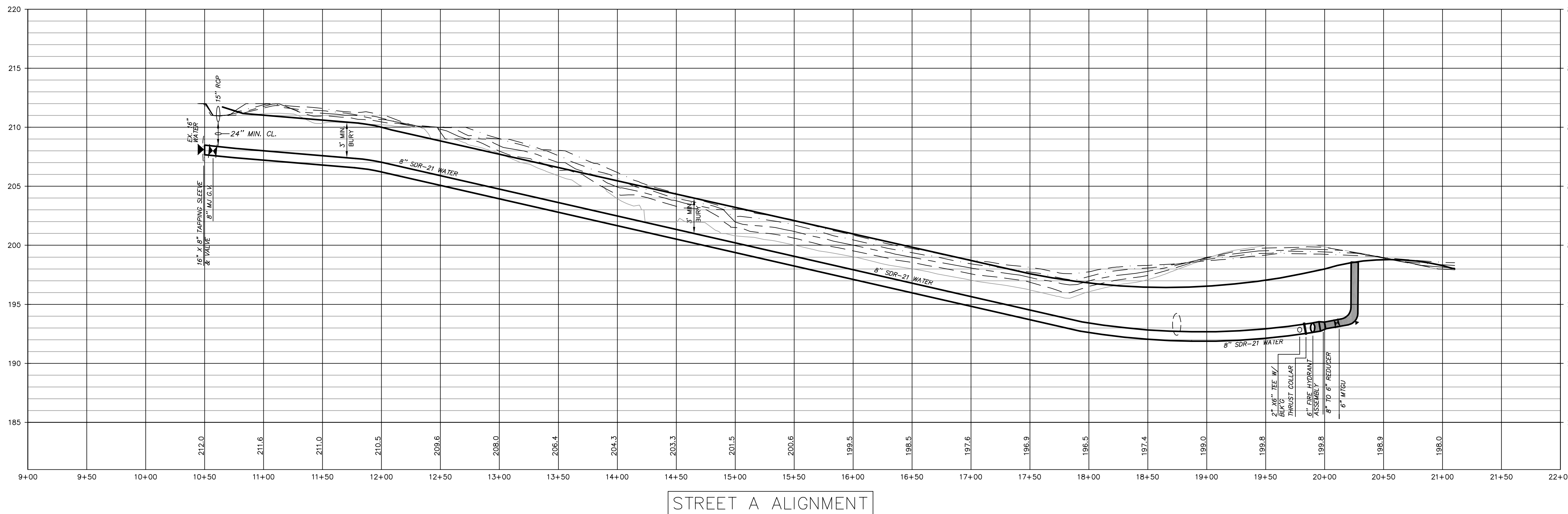
**OAKLEY  
COLLIER  
ARCHITECTS**  
OCA ARCHITECTS  
109 Confieldwood Road, Rocky Mount, NC 27804 (P) 252.837.2500  
203 W. Martin Street, Raleigh, NC 27601 (P) 919.865.7700

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



**PROFILE LEGEND**

- 30' OFFSET LEFT
- 15' OFFSET LEFT
- EXISTING C/L
- 15' OFFSET RIGHT
- 30' OFFSET RIGHT



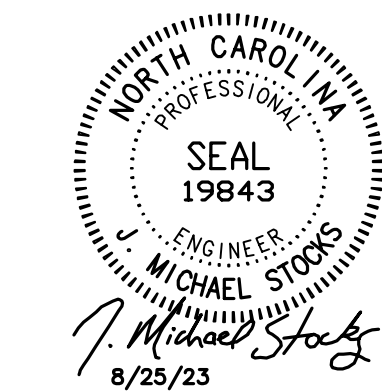
**STOCKS ENGINEERING**

801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856

P.O. BOX 1108  
PHONE: (252) 459-8196

WWW.STOCKSENGINEERING.COM

**BLN-C-1874**      SE JOB #2022-073



NEW BUILDING & SITE DEVELOPMENT FOR:

**CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE**

PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A . NCCC# 2657

**OAKLEY COLLIER ARCHITECTS**

109 Condeewood Road, Rocky Mount, NC 27854 (P) 252.937.9500  
205 W Martin Street, Raleigh, NC 27601 (P) 919.782.7700

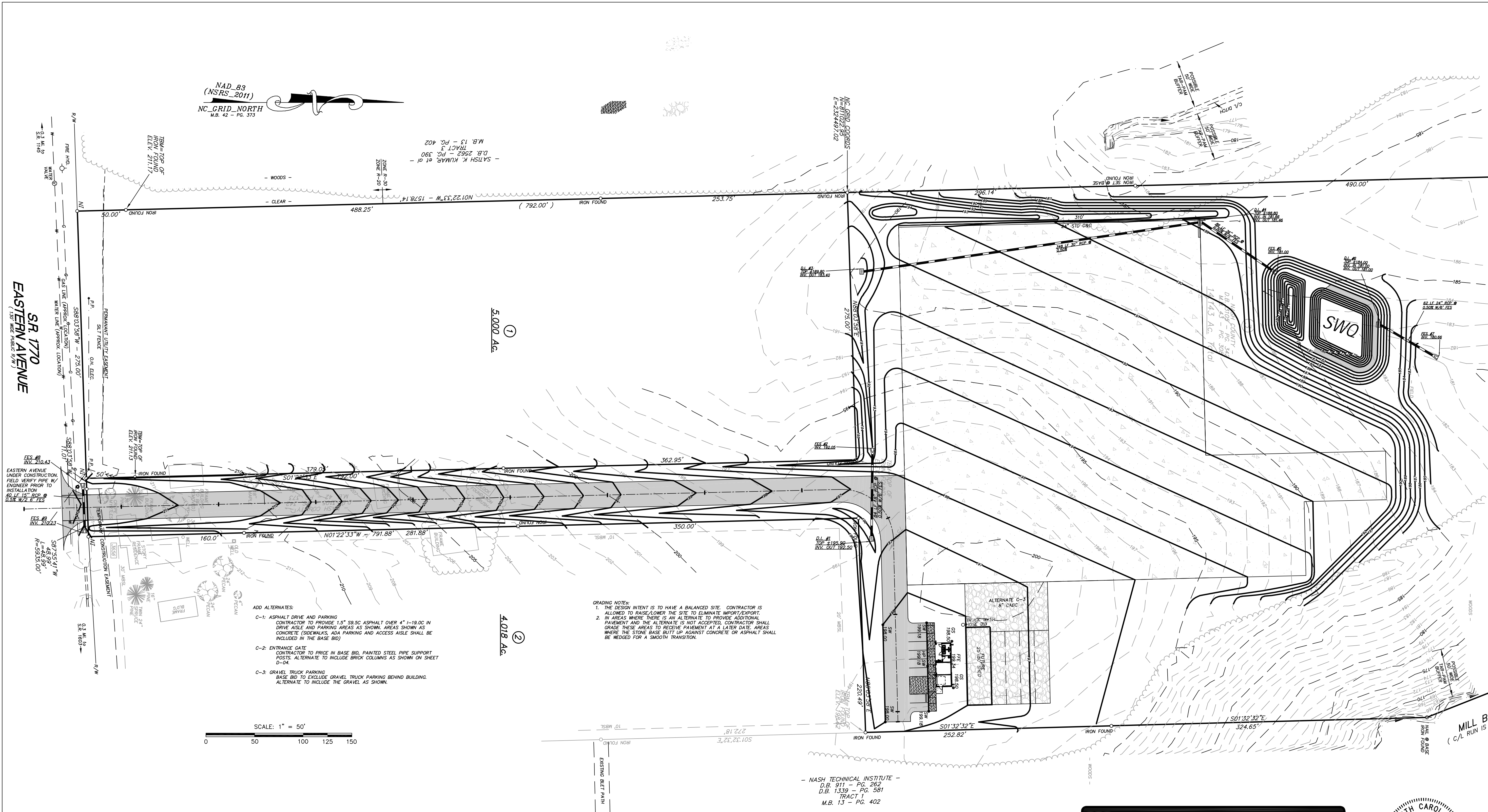
**GENERAL NOTE:**  
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
Checked By	CE-03

Sheet Title  
**WATER LINE PROFILE**

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



NAD 83  
(NSRS\_2011)  
NC\_GRID\_NORTH  
M.B. 42 - Pg. 373

SATISH K. KUMAR, et al -  
D.B. 2562 - PG. 390  
M.B. 13 - PG. 402

- NASH TECHNICAL INSTITUTE -  
D.B. 911 - PG. 262  
D.B. 1339 - PG. 581  
TRACT 1  
M.B. 13 - PG. 402

- ADD ALTERNATES:
- C-1: ASPHALT DRIVE AND PARKING  
CONTRACTOR TO PROVIDE 1.5" S9.5C ASPHALT OVER 4" 1-19.0C IN DRIVE AISLE AND PARKING AREAS AS SHOWN. AREAS SHOWN AS CONCRETE (SIDEWALKS, ADA PARKING AND ACCESS AISLE SHALL BE INCLUDED IN THE BASE BID)
  - C-2: ENTRANCE GATE  
CONTRACTOR TO PRICE IN BASE BID. PAINTED STEEL PIPE SUPPORT POSTS. ALTERNATE TO INCLUDE BRICK COLLUMS AS SHOWN ON SHEET D-04.
  - C-3: GRAVEL TRUCK PARKING  
BASE BID TO EXCLUDE GRAVEL TRUCK PARKING BEHIND BUILDING. ALTERNATE TO INCLUDE THE GRAVEL AS SHOWN.

GRADING NOTES:

1. THE DESIGN INTENT IS TO HAVE A BALANCED SITE. CONTRACTOR IS ALLOWED TO RAISE/LOWER THE SITE TO ELIMINATE IMPROVEMENTS.
2. IN AREAS WHERE THERE IS AN ALTERNATE TO PROVIDE ADDITIONAL PAVEMENT AND THE ALTERNATE IS NOT ACCEPTED, CONTRACTOR SHALL GRADE THESE AREAS TO RECEIVE PAVEMENT AT A LATER DATE. AREAS WHERE THE STONE BASE BUTT UP AGAINST CONCRETE OR ASPHALT SHALL BE WEDGED FOR A SMOOTH TRANSITION.

SCALE: 1" = 50'  
0 50 100 125 150

**STOCKS ENGINEERING**  
801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856  
P.O. BOX 1108  
PHONE: (252) 459-8196  
WWW.STOCKSENGINEERING.COM



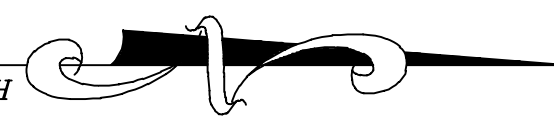
**OAKLEY COLLIER ARCHITECTS**  
OCA ARCHITECTS  
109 Cordlewood Road, Rocky Mount, NC 27804 (P) 252-837-2500  
203 W. Martin Street, Raleigh, NC 27601 (P) 919-865-7700

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.	
Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
Checked By	CE-04
Sheet Title	
GRADING AND DRAINAGE PLAN	

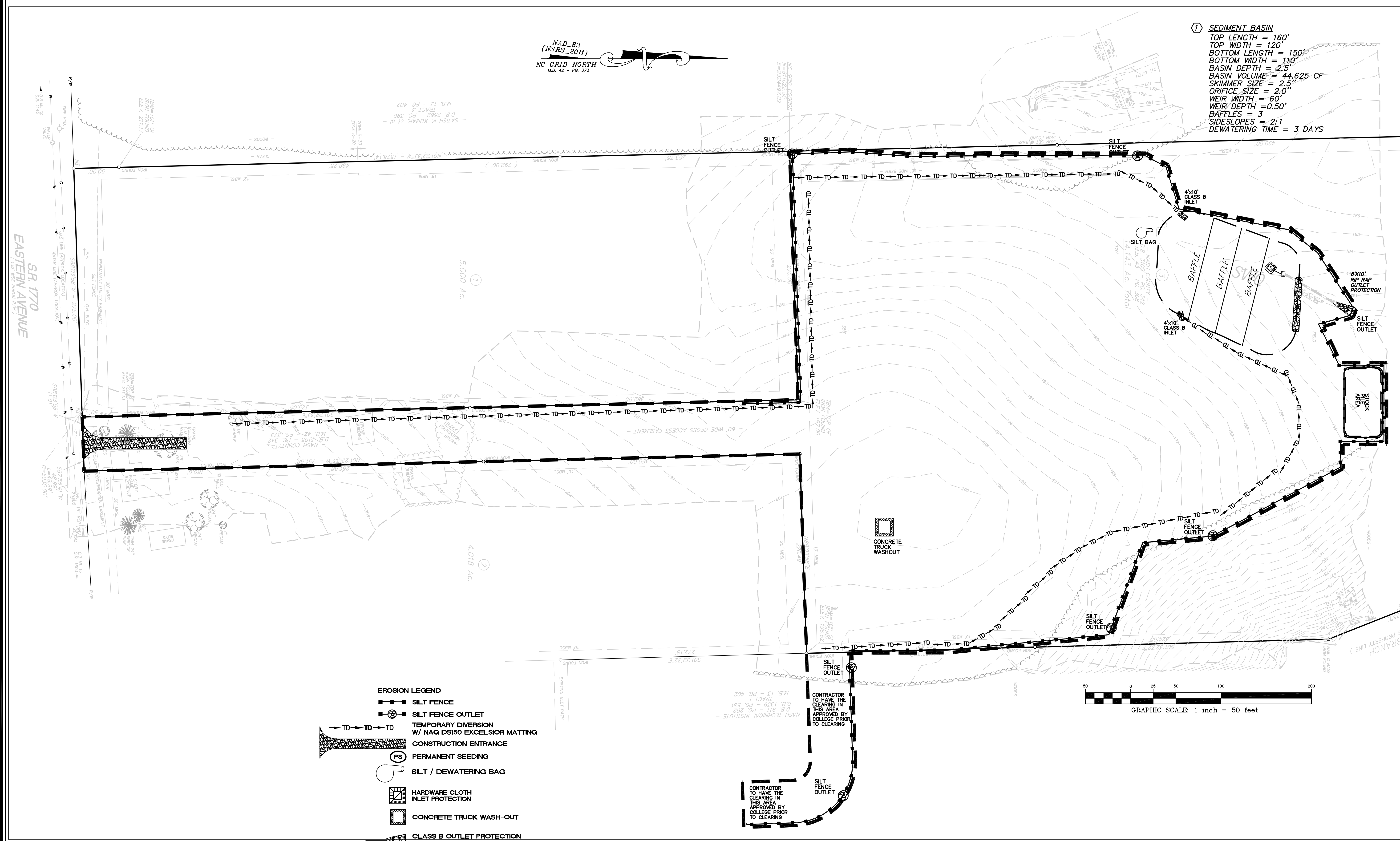
Copyright © 2023 Oakley/Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

NAD\_83  
(NSRS\_2011)  
NC\_GRID\_NORTH  
M.B. 42 - PG. 373

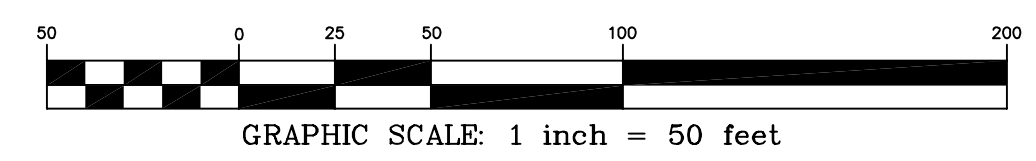


① **SEDIMENT BASIN**  
 TOP LENGTH = 160'  
 TOP WIDTH = 120'  
 BOTTOM LENGTH = 150'  
 BOTTOM WIDTH = 110'  
 BASIN DEPTH = 2.5'  
 BASIN VOLUME = 44,625 CF  
 SKIMMER SIZE = 2.5"  
 ORIFICE SIZE = 2.0"  
 WEIR WIDTH = 60"  
 WEIR DEPTH = 0.50'  
 BAFFLES = 3  
 SIDESLOPES = 2:1  
 DEWATERING TIME = 3 DAYS

SR 1770  
EASTERN AVENUE



- EROSION LEGEND**
- SILT FENCE
  - SILT FENCE OUTLET
  - TEMPORARY DIVERSION W/ NAG D6150 EXCELSIOR MATTING
  - CONSTRUCTION ENTRANCE
  - PERMANENT SEEDING
  - SILT / DEWATERING BAG
  - HARDWARE CLOTH INLET PROTECTION
  - CONCRETE TRUCK WASH-OUT
  - CLASS B OUTLET PROTECTION OVER MIRAFL 140N
  - TOTAL AREA DISTURBED - 7.68 Ac.
  - EXCELSIOR MATTING
  - SKIMMER SEDIMENT BASIN
  - ARC FILTER INLET PROTECTION
  - NCDOT WATTLE



CONTRACTOR TO HAVE THE CLEARING IN THIS AREA APPROVED BY COLLEGE PRIOR TO CLEARING

**STOCKS ENGINEERING**  
 801 EAST WASHINGTON STREET  
 NASHVILLE, N.C. 27856  
 P.O. BOX 1108  
 PHONE: (252) 459-8196  
 WWW.STOCKSENGINEERING.COM  
 BLN=C-1874 SE JOB #2022-073



NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
 FOR NASH COMMUNITY COLLEGE**

PARCEL ID 3445908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657

**OAKLEY COLLIER ARCHITECTS**  
 OCA ARCHITECTS  
 107 Cavendish Road, Rocky Mount, NC 27804 (P) 919.857.2800  
 205 W. Martin Street, Raleigh, NC 27601 (P) 919.865.7700

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

Revisions	Description	Date

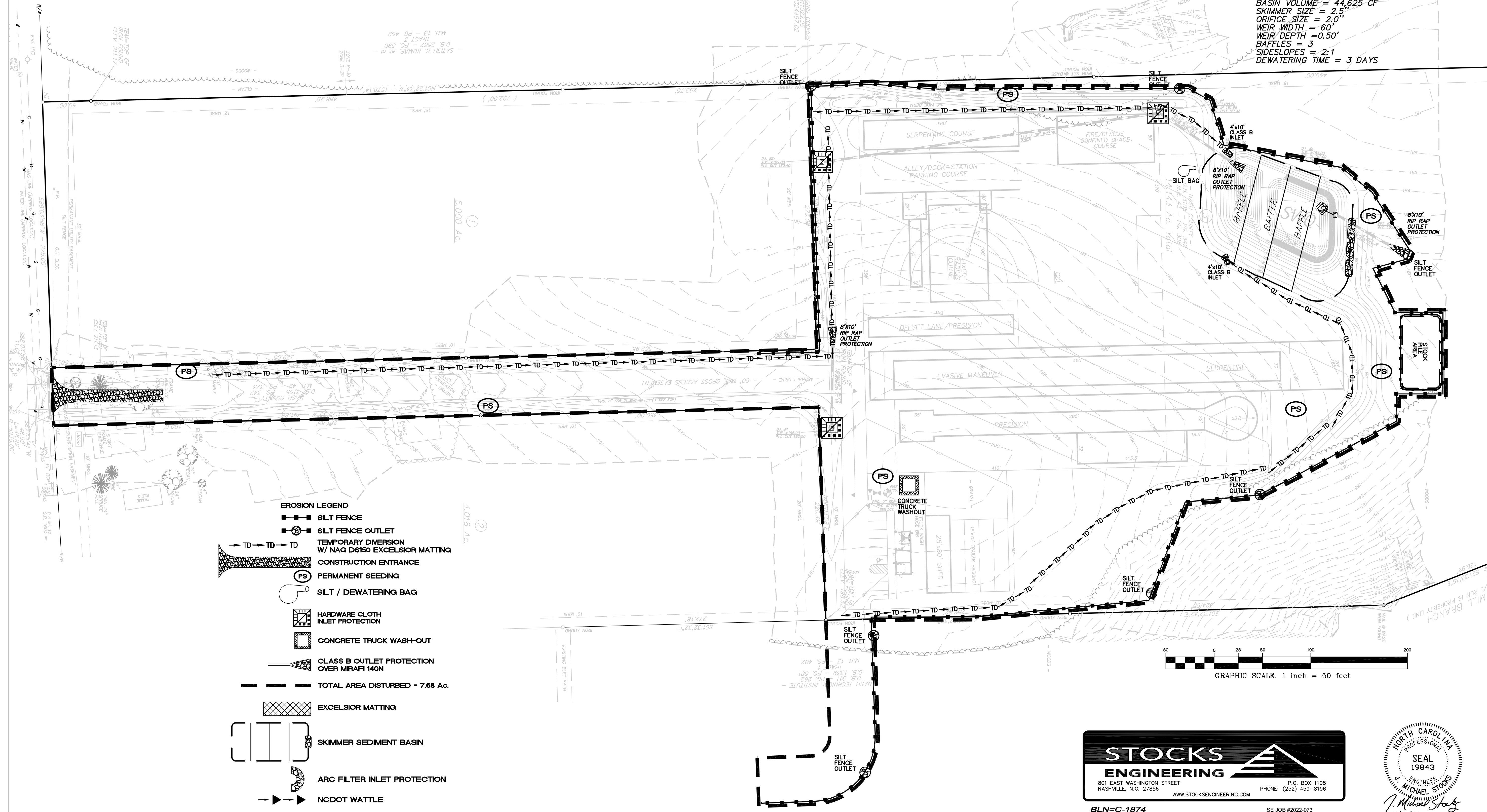
Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
Checked By	CE-05
Sheet Title	
INITIAL EROSION CONTROL PLAN	



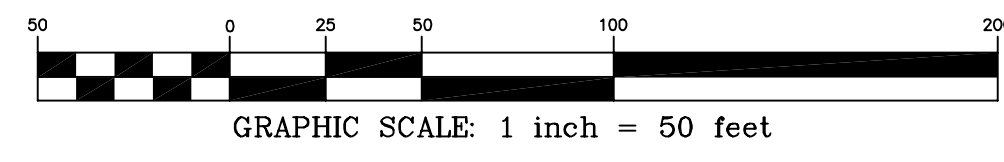
Copyright © 2023 OakleyCollier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

NAD\_83  
(NSRS\_2011)  
NC\_CRID\_NORTH  
M.B. 42 - PG. 373

① **SEDIMENT BASIN**  
 TOP LENGTH = 160'  
 TOP WIDTH = 120'  
 BOTTOM LENGTH = 150'  
 BOTTOM WIDTH = 110'  
 BASIN DEPTH = 2.5'  
 BASIN VOLUME = 44,625 CF  
 SKIMMER SIZE = 2.5"  
 ORIFICE SIZE = 2.0"  
 WEIR WIDTH = 60"  
 WEIR DEPTH = 0.50'  
 BAFFLES = 3  
 SIDESLOPES = 2:1  
 DEWATERING TIME = 3 DAYS



- EROSION LEGEND**
- SILT FENCE
  - SILT FENCE OUTLET
  - TEMPORARY DIVERSION  
W/ NAG DS150 EXCELSIOR MATTING
  - CONSTRUCTION ENTRANCE
  - PERMANENT SEEDING
  - SILT / DEWATERING BAG
  - HARDWARE CLOTH  
INLET PROTECTION
  - CONCRETE TRUCK WASH-OUT
  - CLASS B OUTLET PROTECTION  
OVER MIRAFI 140N
  - TOTAL AREA DISTURBED = 7.88 Ac.
  - EXCELSIOR MATTING
  - SKIMMER SEDIMENT BASIN
  - ARC FILTER INLET PROTECTION
  - NCDOT WATTLE



**STOCKS ENGINEERING**  
 801 EAST WASHINGTON STREET  
 NASHVILLE, N.C. 27856  
 P.O. BOX 1108  
 PHONE: (252) 459-8196  
 WWW.STOCKSENGINEERING.COM



BLN=C-1874 SE JOB #2022-073

**OAKLEY COLLIER ARCHITECTS**  
 OCA ARCHITECTS  
 109 Commodore Road, Rocky Mount, NC 27804 (P) 252.937.2580  
 203 W. Martin Street, Raleigh, NC 27601 (P) 919.865.7700

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
 FOR NASH COMMUNITY COLLEGE**  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657

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

Revisions	Description	Date

Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
Checked By	CE-06
Sheet Title	FINAL EROSION CONTROL PLAN

**EROSION AND SEDIMENTATION CONTROL NARRATIVE**

**PROJECT DESCRIPTION**  
The purpose of this project is for construction of two classroom Buildings for Nash Community College. The property is owned by Nash County. The site is currently a Community College. Approximately 7.68 acres will be disturbed during construction. The maximum fill will be 5-7 feet. The project is scheduled to begin construction in August 2023 with project completion and final stabilization by July 2024. The erosion and sediment control program for this project will include the installation of a suitable construction entrance, silt fence, outlet protection, inlet protection, and skimmer basin with temporary seeding of the site.

**ADJACENT PROPERTY**  
The adjacent property is mostly zoned institutional.

**SOILS**  
The soil at this site is a sandy clay.  
**EROSION AND SEDIMENT CONTROL MEASURES**  
All vegetative and structural erosion and sediment control practices shall be constructed and maintained by the contractor according to these plans and specifications and the minimum standards of the Dept. of Environmental Management, Land Quality Section and Johnston County. The contractor shall also follow any additional requirements as outlined by the Project Engineer.

**Structural Practices**  
1. Vehicle wheels shall be clean when leaving the site to prevent the tracking of mud on paved roads.  
2. Construction Road Stabilization: Construction traffic shall be limited to stabilized areas. At a minimum, a temporary gravel construction entrance shall be provided as shown on this drawing.  
3. Silt Fence: Silt fences shall be provided where shown and as needed on the site plan. These barriers shall be used to contain sediment.  
4. Rip Rap/Gravel Filter Sediment Basins: Construct basin to the shape and dimensions shown in the details. The basin is to be placed below the existing ditch flow line by 2' with the berm built above as dimensioned.

**Management Strategies**  
1. Perimeter measures are to be installed prior to grubbing or grading.  
2. Tail Ditches shall be stabilized immediately following their construction. As an alternate, rock check dams may be provided at their outlets and/or the terminal downstream end of disturbance until ground cover is implemented.  
3. Stockpile and/or waste areas must be maintained within the limits of the areas protected by the proposed measures and otherwise temporarily seeded if to be left stockpiled over 15 calendar days.  
4. Construction shall be planned so that grading operations can begin and end as quickly as possible.  
5. Silt Fences shall also be installed prior to or as a first step in construction.  
6. The Contractor shall be responsible for the installation and maintenance of all erosion and sediment control practices.

**Vegetative Ground Cover**  
Immediately following grading, all areas shall receive either permanent or temporary seeding, as applicable, as follows:

Site Area Description:	Stabilization Time Frame:	Stabilization Time Frame Exceptions:
Perimeter dikes, swales, ditches & slopes.	7 Days	None
High Quality Water (HQW) Zones.	7 Days	None
Slope steeper than 3:1	7 Days	If slopes are 10' or less in length & are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter.	14 Days	7 Days for slopes greater than 50 feet in length.
All other areas with slopes flatter than 4:1	14 Days	None (Except for perimeters and HQW Zones)

**TEMPORARY SEEDING SPECIFICATIONS**  
SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
WINTER/EARLY SPRING - RYE (GRAIN)	120
KOBE LESPEDEZA	50
SUMMER - GERMAN MILLET	40

**PERMANENT SEEDING SPECIFICATIONS**  
SEEDING MIXTURE

FEB-MARCH	APRIL-OCT	NOV-JAN
KY 31 TALL FESCUE @ 1,000 LBS/ACRE PLUS UNHULLED PREMIUM BERMUDA @ 125 LBS/ACRE	KY 31 TALL FESCUE @ 1,000 LBS/ACRE PLUS PREMIUM BERMUDA @ 125 LBS/ACRE	KY 31 TALL FESCUE @ 1,000 LBS/ACRE PLUS RYE GRAIN @ 40 LBS/ACRE PLUS UNHULLED PREMIUM BERMUDA @ 125 LBS/ACRE

**NURSE PLANTS**  
BETWEEN APR. 15 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OR 15 LB/ACRE SUDANGRASS. PRIOR TO MAY 1 OR AFTER AUG. 15 ADD 25 LB/ACRE RYE (GRAIN).

**SOIL AMENDMENTS**  
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TEST IS NOT AVAILABLE APPLY 2 TONS/ACRE AGRICULTURAL GRADE LIMESTONE AND 1,000 LBS/ACRE OF 10-10-10 FERTILIZER, OR APPLY 3,000-5,000 LB/ACRE SEDANGRASS. PRIOR TO MAY 1 OR AFTER AUG 15, ADD 25 LB/ACRE RYE (GRAIN).

**MULCH**  
APPLY 4,000 LB/ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

**MAINTENANCE**  
IF GROWTH IS LESS THAN FULLY ADEQUATE, REFERENTIZE THE SECOND YEAR. ACCORDING TO SOIL TESTS OR TOPDRESS WITH 500 LB/ACRE 10-10-10 FERTILIZER. NOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY.

**Maintenance**  
1. Reseed and mulch bare spots larger than 9 square feet (limited to 5% maximum of site area.)  
2. Maintain all seeded areas until uniform stand is acceptable.  
3. If growth is not established by final project inspection, continue specified attention until the stand is acceptable.  
4. Correct and repair all undue settling and erosion within 1 year after final inspection.  
5. Remove from the site, all erosion control structures after complete stabilization at end of construction period.  
6. Remove silt from sediment pits and from behind check dams when silt is within half depth of the pit or spillway. Dispose of in an area where silt cannot re-enter pit / trap.

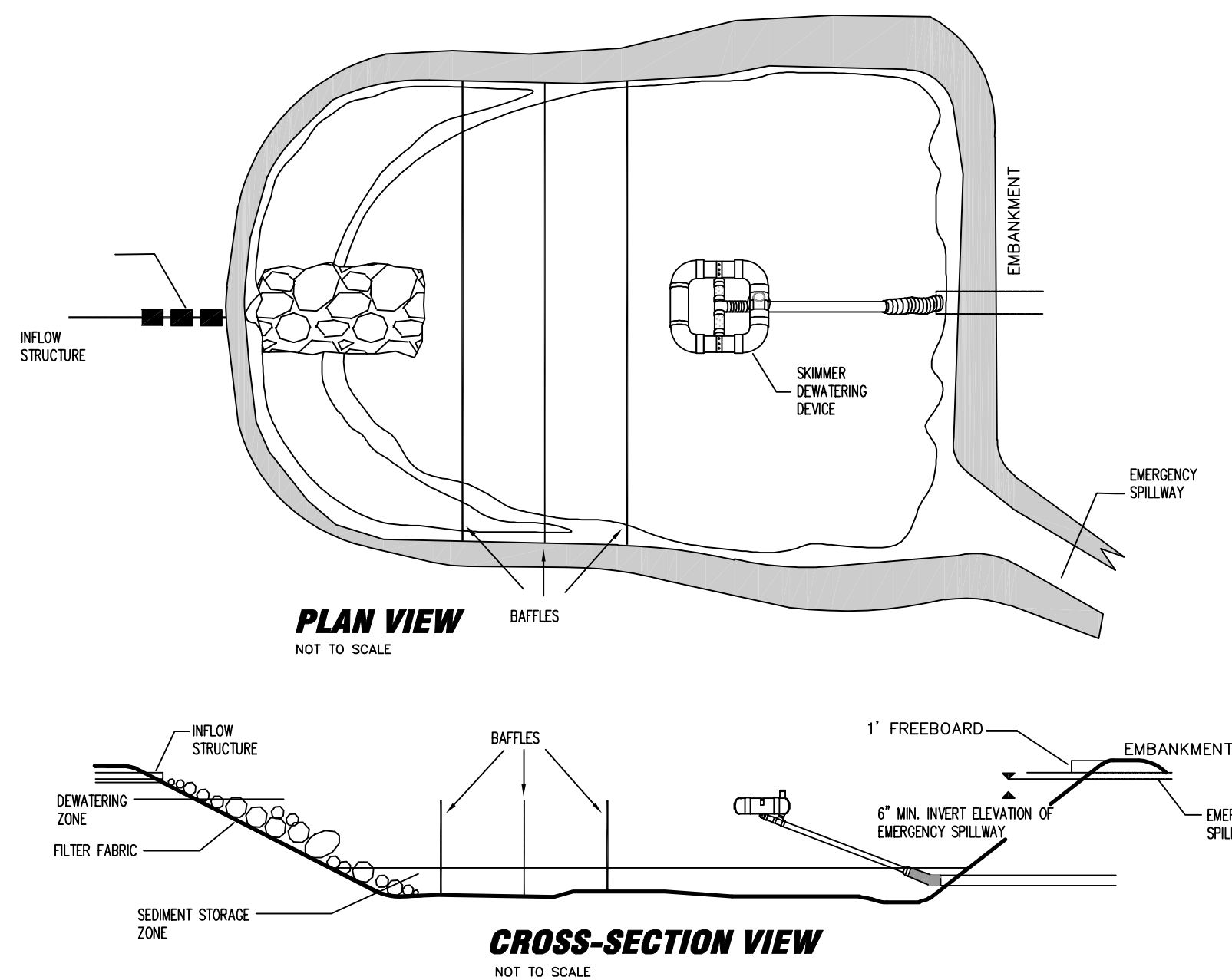
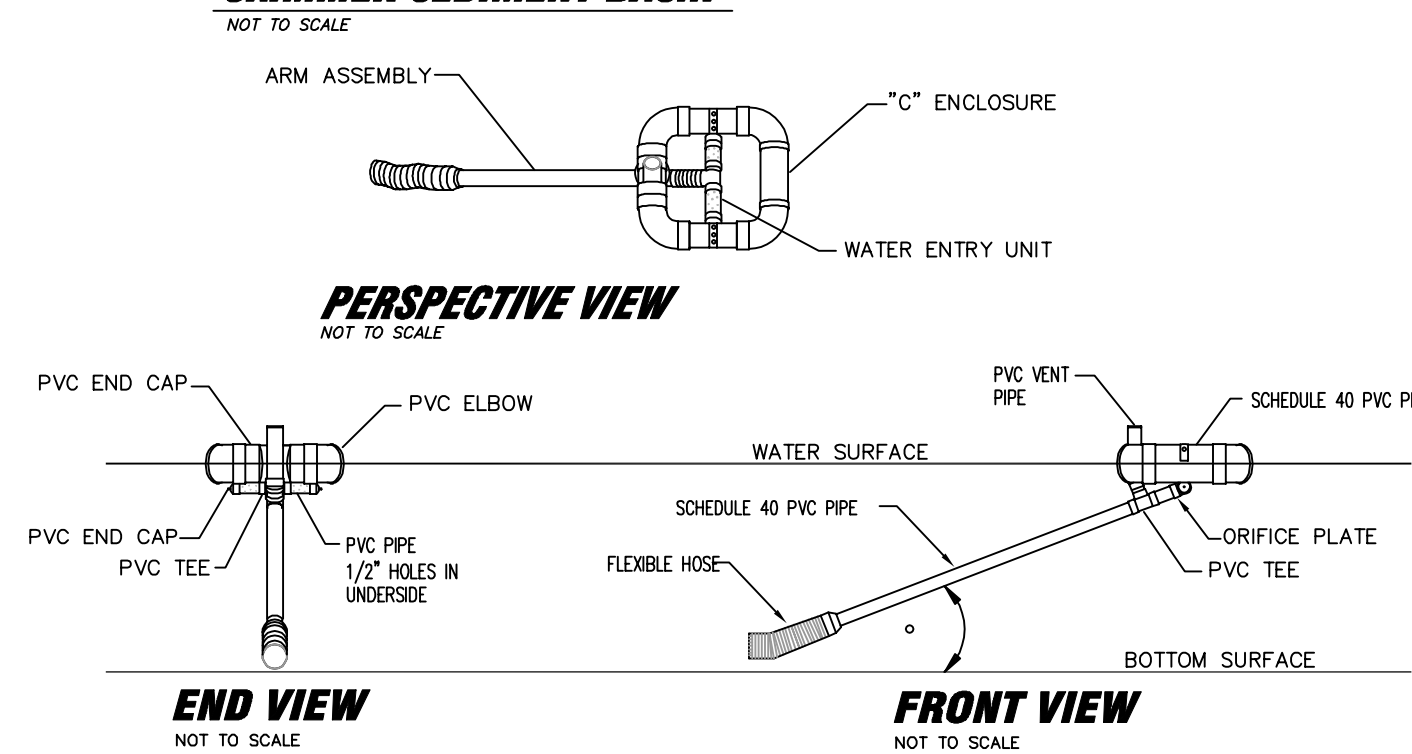
**Calculations**  
The practice utilized for the proposed site did require formal calculations. Calculations have been provided.

**OWNER**  
NASH COMMUNITY COLLEGE  
522 N. OLD CARRIAGE ROAD  
ROCKY MOUNT, NC 27804  
Phone: 252.451.8240

**CONSTRUCTION SEQUENCE:**

- Obtain erosion control plan approval prior to beginning land disturbance. Retain a copy of the approved erosion control plan and permit on site. Call NCDEQ to notify the inspector of a start date prior to land disturbance.
- Clear the area needed to construct the perimeter erosion control measures only.
- Construct the construction entrance as shown on the plans. Maintain the construction entrance daily to ensure that mud and silt will not be tracked onto the paved surface. If mud is tracked onto the road surface, it is to be removed immediately.
- Construction entrance location may not vary without prior approval from Engineer and NCDEQ.
- Construct silt fence where shown to contain sediment onsite.
- Construct sediment basins. Stabilize immediately.
- Install all temporary diversions and mat per detail. Seed immediately.
- Begin clearing and grubbing.
- Begin topsoil stripping.
- Rough grade all parking and site.
- Install Drainage w/Inlet Protections.
- Construct CABC on parking lot.
- Seed, straw and tack areas that are graded to their final disposition.
- Upon completion of the project, contact Engineer to inspect prior to removing EC measures.
- Seed, straw and tack any remaining exposed areas.

**SKIMMER SEDIMENT BASIN**  
NOT TO SCALE



**CONSTRUCTION SPECIFICATIONS:**

- Clear, grub, and strip the area under the embankment of all vegetation and root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area. Place temporary sediment control measures below basin as needed.
- Ensure that fill material for the embankment is free of rocks, woody vegetation, organic matter, and other objectionable material. Place the fill in lifts not to exceed 9 inches, and machine compact it. Over fill the embankment 6 inches to allow for settlement.
- Shape the basin to the specified dimensions. Prevent the skimming device from settling into the mud by excavating a shallow pit under the skimmer or providing a low support under the skimmer of stone or timber.
- Place the barrel (typically 4-inch Schedule 40 PVC pipe) on a firm, smooth foundation of impervious soil. Do not use pervious material such as sand, gravel, or crushed stone as backfill around the pipe. Place the fill material around the pipe spillway in 4-inch layers and compact it under and around the pipe to at least the same density as the adjacent embankment. Care must be taken not to raise the pipe from the firm contact with its foundation when compacting under the pipe haunches.
- Place a minimum depth of 2 feet of compacted backfill over the pipe spillway before crossing it with construction equipment. In no case should the pipe conduit be installed by cutting a trench through the dam after the embankment is complete.
- Assemble the skimmer following the manufacturer's instructions, or as designed.
- Lay the assembled skimmer on the bottom of the basin with the flexible joint at the inlet of the barrel pipe. Attach the flexible joint to the barrel pipe and position the skimmer over the excavated pit or support. Be sure to attach a rope to the skimmer and anchor it to the side of the basin. This will be used to pull the skimmer to the side for maintenance.
- Earthen spillways - install the spillway in undisturbed soil to the greatest extent possible. The achievement of planned elevations, grade, design width, and entrance and exit channel slopes are critical to the successful operation of the spillway. The spillway should be lined with laminated plastic or impervious geotextile fabric. The fabric must be wide and long enough to cover the bottom and sides and extend onto the top of the dam for anchoring in a trench. The edges may be secured with 8-inch staples or pins. The fabric must be long enough to extend down the slope and exit onto stable ground. The width of the fabric must be one piece, not jointed or spliced; otherwise water can get under the fabric. If the length of the fabric is insufficient for the entire length of the spillway, multiple sections, spanning the complete width, may be used. The upper section(s) should overlap the lower section(s) so the water cannot flow under the fabric. Secure the upper edge and sides of the fabric in a trench with staples or pins.
- Inlets - Discharge water into the basin in a manner to prevent erosion. Use temporary slope drains or diversions with outlet protection to divert sediment-laden water to the upper end of the pool area to improve basin trap efficiency.
- Erosion control - Construct the structure so that the disturbed area is minimized. Divert surface water away from bare areas. Complete the embankment before the area is cleared. Stabilize the emergency spillway embankment and all other disturbed areas above the crest of the principal spillway immediately after construction.
- Install porous baffles as specified.
- After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment. Smooth the area to blend with the adjoining areas and stabilize properly.

**MAINTENANCE:**

Inspect skimmer sediment basins at least weekly and after each significant (one-half inch or greater) rainfall event and repair immediately. Remove sediment and restore the basin to its original dimensions when sediment accumulates to one-half the height of the first baffle. Pull the skimmer to one side so that the sediment underneath it can be excavated. Excavate the sediment from the entire basin, not just around the skimmer or the first cell. Make sure vegetation growing in the bottom of the basin does not hold down the skimmer.

Repair the baffles if they are damaged. Re-anchor the baffles if water is flowing underneath or around them.

If the skimmer is clogged with trash and there is water in the basin, usually jerking on the rope will make the skimmer bob up and down and dislodge the debris and restore flow. If this does not work, pull the skimmer over to the side of the basin and remove the debris. Also check the orifice inside the skimmer to see if it is clogged; if so, remove the debris.

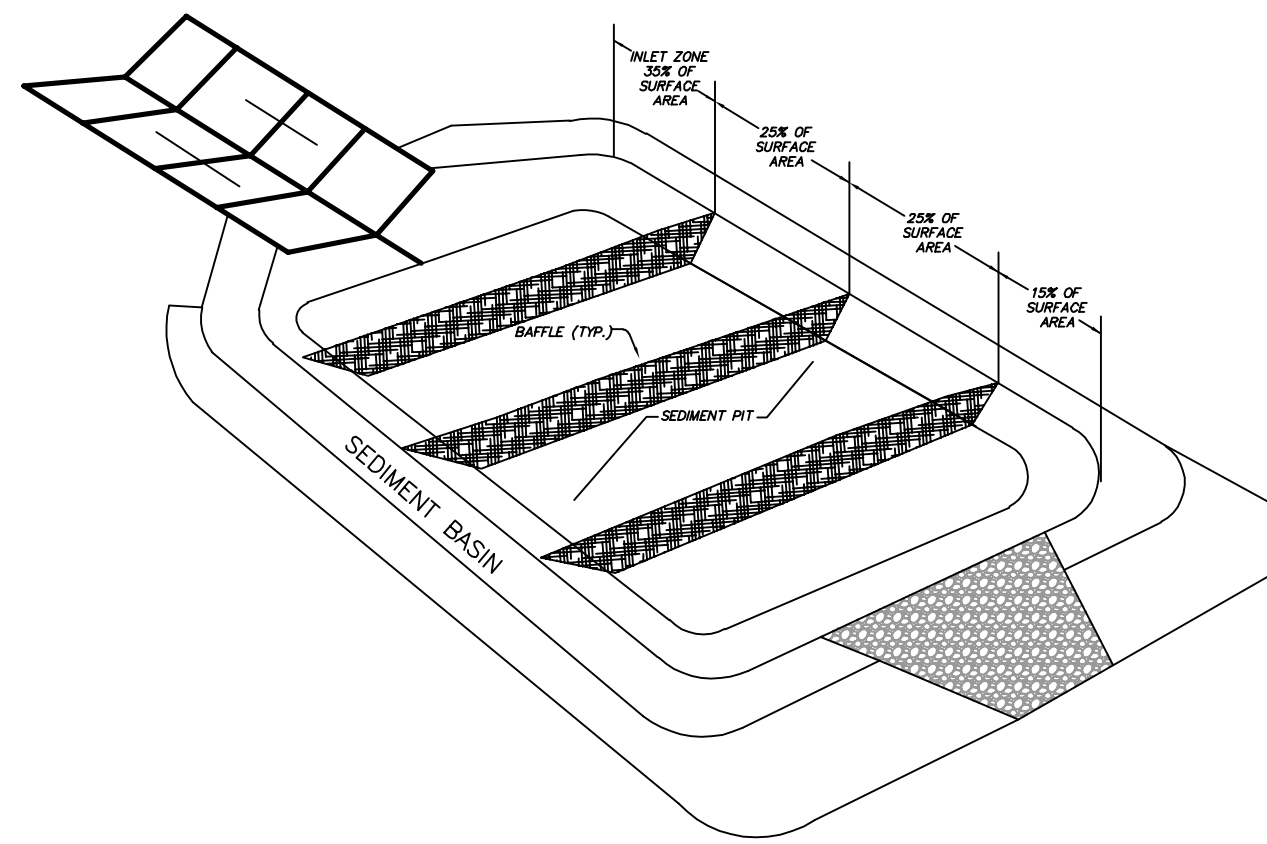
If the skimmer arm or barrel pipe is clogged, the orifice can be removed and the obstruction cleared with a plumber's snake or by flushing with water. Be sure and replace the orifice before repositioning the skimmer.

Check the fabric lined spillway for damage and make any required repairs with fabric that spans the full width of the spillway. Check the embankment, spillways, and outlet for erosion damage, and inspect the embankment for piping and settlement. Make all necessary repairs immediately. Remove all trash and other debris from the skimmer and pool areas.

Freezing weather can result in ice forming in the basin. Some special precautions should be taken in the winter to prevent the skimmer from plugging with ice.

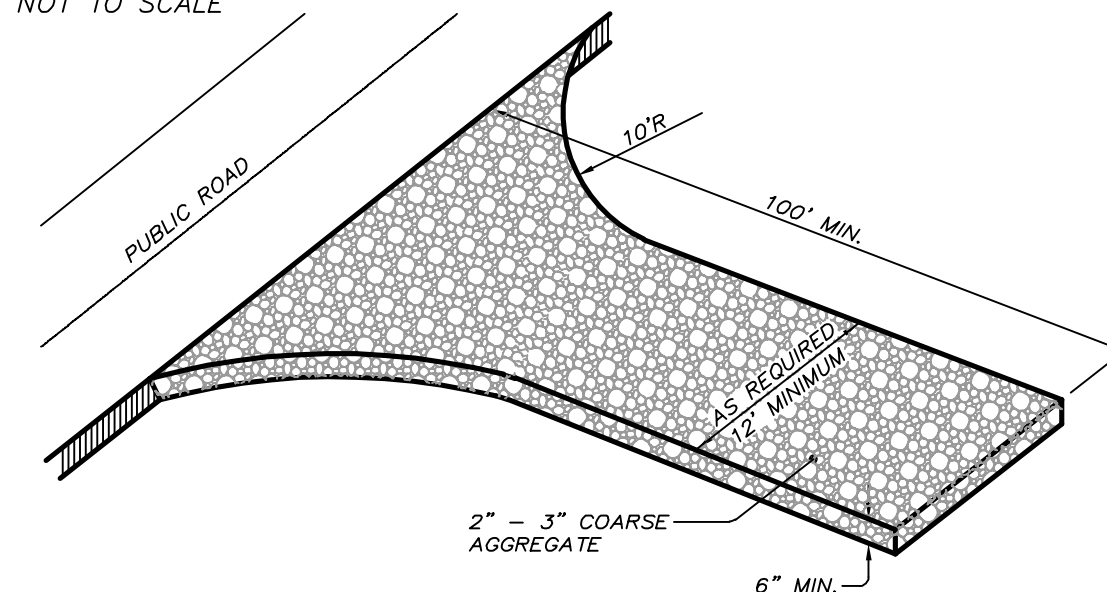
**Maintenance Notes:**

- Do not let any area remained exposed for more than 7 or 14 calendar days according to chart without applying temporary seeding.
- Maintain all erosion control measures daily and reseed disturbed areas as needed.
- Inspect all erosion control measures weekly and after each rainfall event. Repair as needed.
- At the end of each day's storm drainage operation, construct a temporary pipe inlet protection device until the next day's operation continues.



**SED BASIN BAFFLES**  
SCALE: N.T.S.

**CONSTRUCTION ENTRANCE**  
NOT TO SCALE

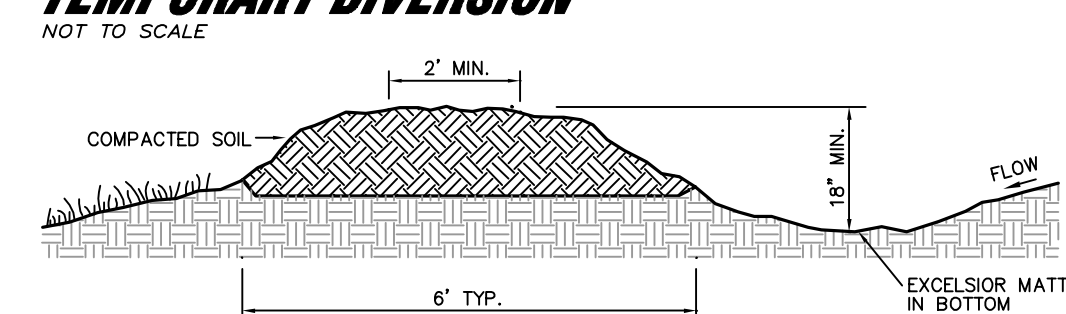


**CONSTRUCTION SPECIFICATIONS:**

- CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.
- PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT.
- PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
- USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

**MAINTENANCE:**  
MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

**TEMPORARY DIVERSION**  
NOT TO SCALE



**STOCKS ENGINEERING**  
801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856  
P.O. BOX 1108  
PHONE: (252) 459-8196  
WWW.STOCKSENGINEERING.COM  
BLN-C-1874  
SE JOB #2022-073

**PROFESSIONAL SEAL**  
NORTH CAROLINA  
19843  
MICHAEL STOCKS  
ENGINEER  
8/25/23

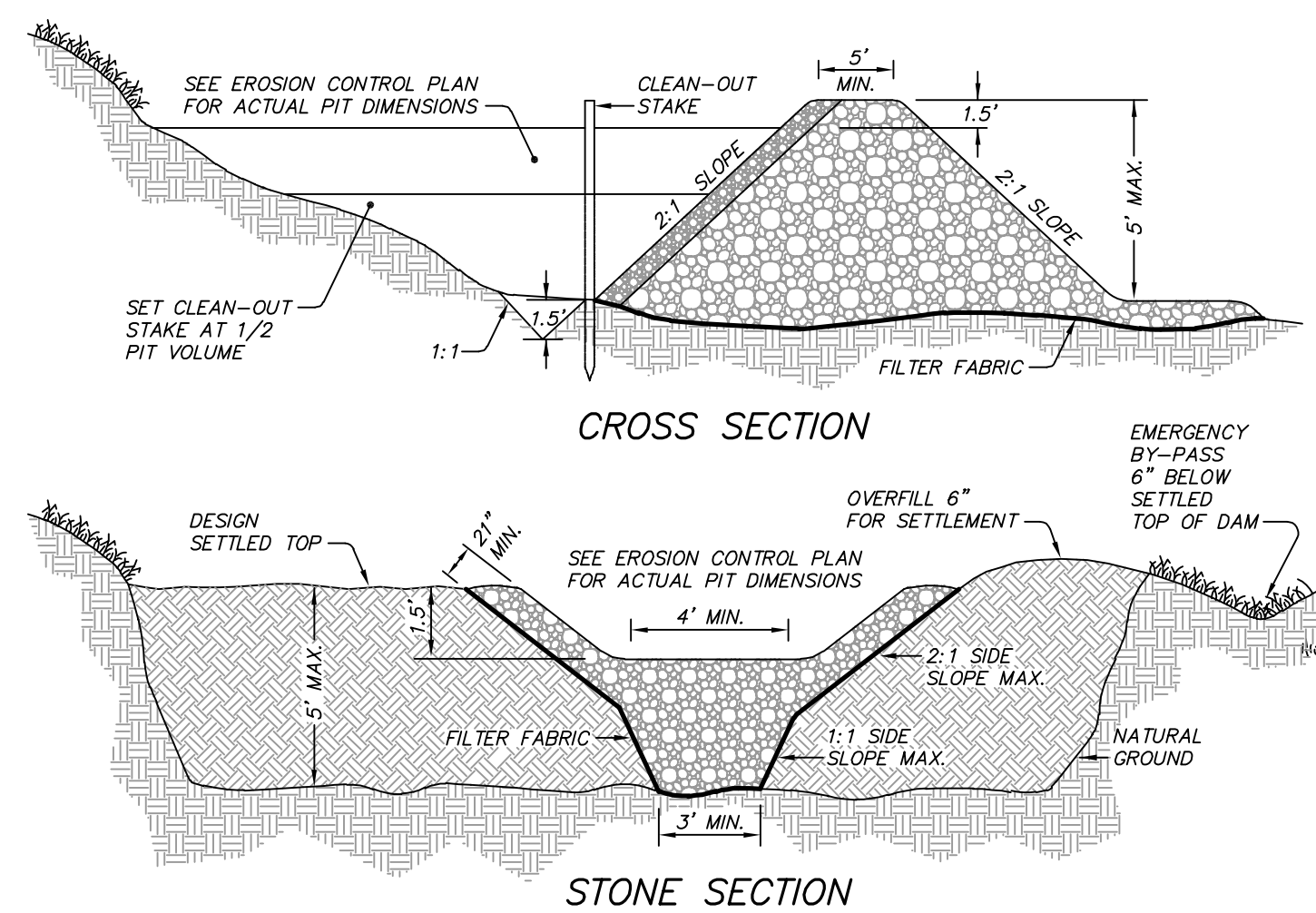
**OAKLEY COLLIER ARCHITECTS**  
OCA ARCHITECTS  
100 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**NEW BUILDING & SITE DEVELOPMENT FOR:**  
**CDL INSTRUCTIONAL TRAINING FACILITY**  
**FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

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

Date	Project No.
08.25.23	21056

Drawn By: \_\_\_\_\_ Sheet No. \_\_\_\_\_  
Checked By: **D-01**  
Sheet Title: **EROSION NOTES/DETAILS**



**GENERAL NOTES:**

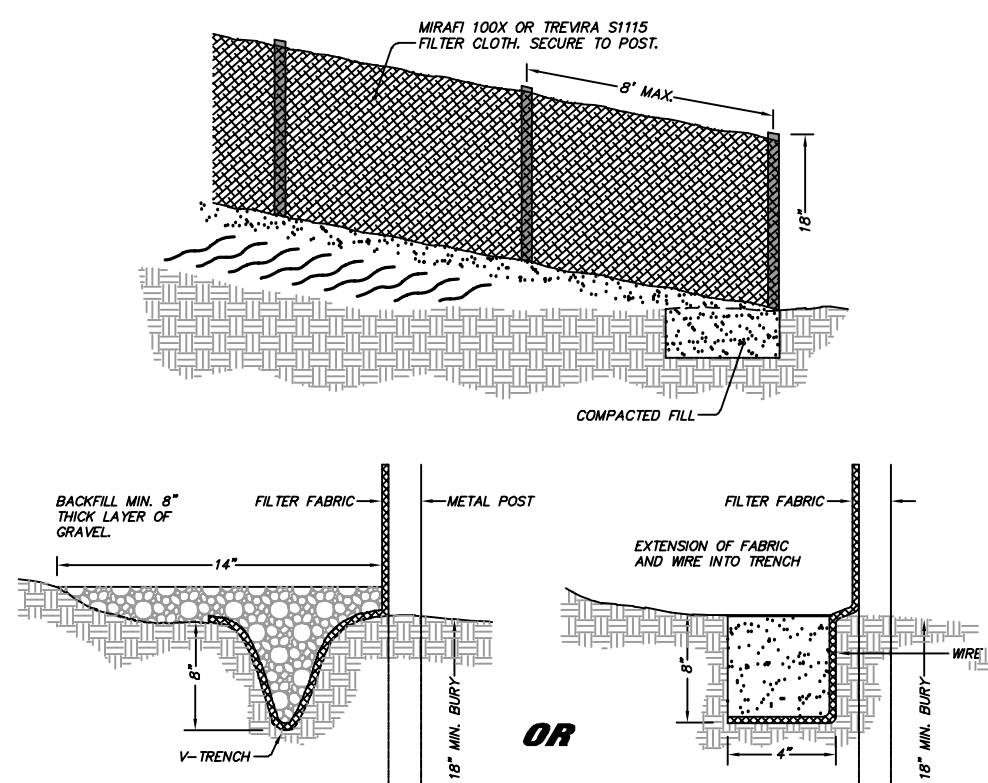
1. Clear, grub, and strip the area under the embankment of all vegetation and root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area.
2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and other objectionable material. Place the fill in lifts not to exceed 9 inches and machine compact it. Over fill the embankment 6 inches to allow for settlement.
3. Construct the outlet section in the embankment. Protect the connection between the riprap and the soil from piping by using filter fabric or a keyway cutoff trench between the riprap structure and the soil.  
Place the filter fabric between the riprap and soil. Extend the fabric across the spillway foundation and sides to the top of the dam; or  
Excavate a keyway trench along the centerline of the spillway foundation extending up the sides to the height of the dam. The trench should be at least 2 ft. deep and 2 ft. wide with 1:1 side slopes.
4. Clear the pond area below the elevation of the crest of the spillway to facilitate sediment cleanout.
5. All cut and fill slopes should be 2:1 or flatter.
6. Ensure that the stone (drainage) section of the embankment has a minimum bottom width of 3 ft. and a maximum side slopes of 1:1 that extend to the bottom of the spillway section.
7. Construct the minimum finished stone spillway bottom width, as shown on the plans, with 2:1 side slopes extending to the top of the over filled embankment. Keep the thickness of the sides of the spillway outlet structure at a minimum of 21 inches. The weir must be level and constructed to grade to assure design capacity.
8. Material used in the stone section should be a well-graded mixture of stone with a d size of 9 inches (class B erosion control stone is recommended) and a maximum stone size of 14 inches. The stone may be machine placed and the smaller stones worked into the voids of the larger stones. The stone should be hard, angular, and highly weather-resistant.
9. Ensure that the stone spillway outlet section extends downstream past the toe of the embankment until stable conditions are reached and outlet velocity is acceptable for the receiving stream. Keep the edges of the stone outlet section flush with the surrounding ground and shape the center to confine the outflow stream (References: Outlet Protection).
10. Direct emergency bypass to natural, stable areas. Locate bypass outlets so that flow will not damage the embankment.
11. Stabilize the embankment and all disturbed areas above the sediment pool and downstream from the trap immediately after construction (References: Surface Stabilization).
12. Show the distance from the top of the spillway to the sediment cleanout level (one-half the design depth) on the plans and mark it in the field.

**SEDIMENT BASIN**

SCALE: N.T.S.

**SILT FENCE**

NOT TO SCALE

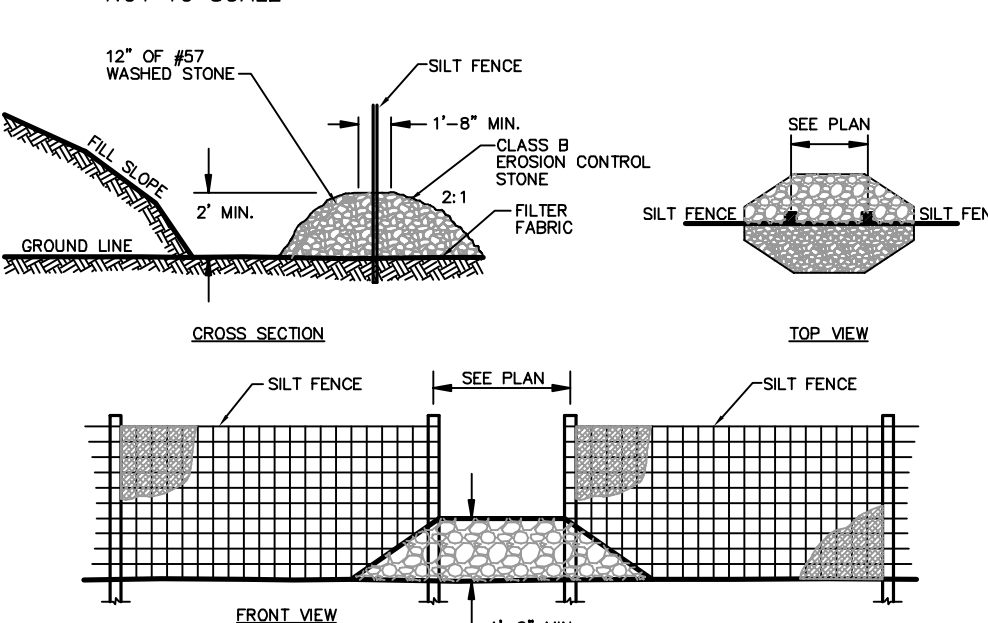


- CONSTRUCTION SPECIFICATIONS:**
1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
  2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE).
  3. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
  4. SUPPORT STANDARD FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
  5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
  6. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
  7. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
  8. PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
  9. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
  10. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

**MAINTENANCE:**  
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

**SILT FENCE OUTLET**

NOT TO SCALE



**CONSTRUCTION SPECS:**

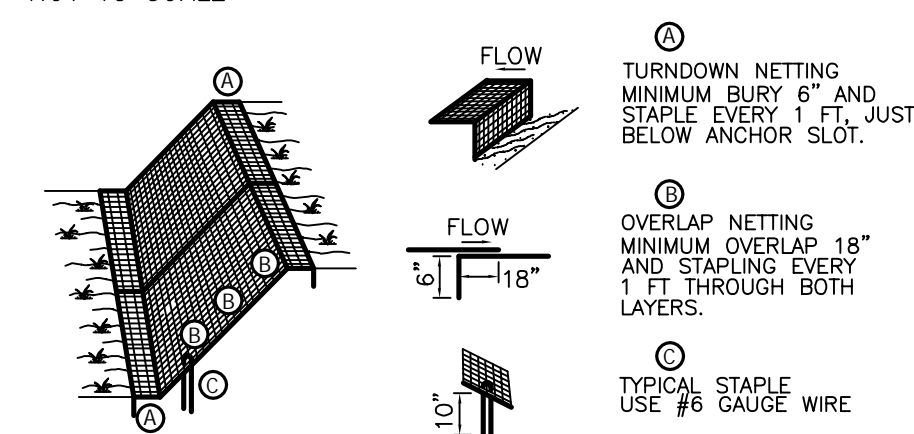
1. CLEAR & GRUB THE AREA AROUND THE SILT FENCE OUTLET AND PROPERLY DISPOSE OF DEBRIS.
2. PLACE GRAVEL TO THE SPECIFIC GRADE AS SHOWN PER THE DETAIL.
3. PROPERLY OVERLAP STONE BEYOND EDGES OF SILT FENCE OPENING.

**MAINTENANCE:**

INSPECT OUTLETS WEEKLY AND AFTER EACH RAIN EVENT. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR AS NEEDED. CAREFULLY CHECK OUTLETS FOR EROSION AND REPAIR IMMEDIATELY. ENSURE THERE IS NO SCOURING APPARENT DOWNSTREAM OF OUTLET. IMMEDIATELY STABILIZE ANY AREAS THAT NEED REPAIR.

**EXCELSIOR MATTING**

NOT TO SCALE

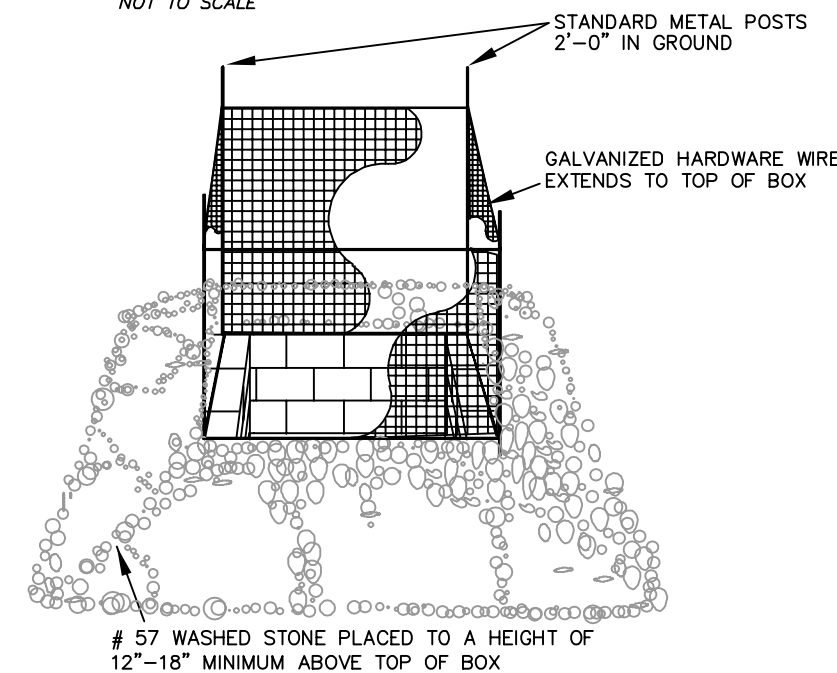


**GENERAL NOTES:**

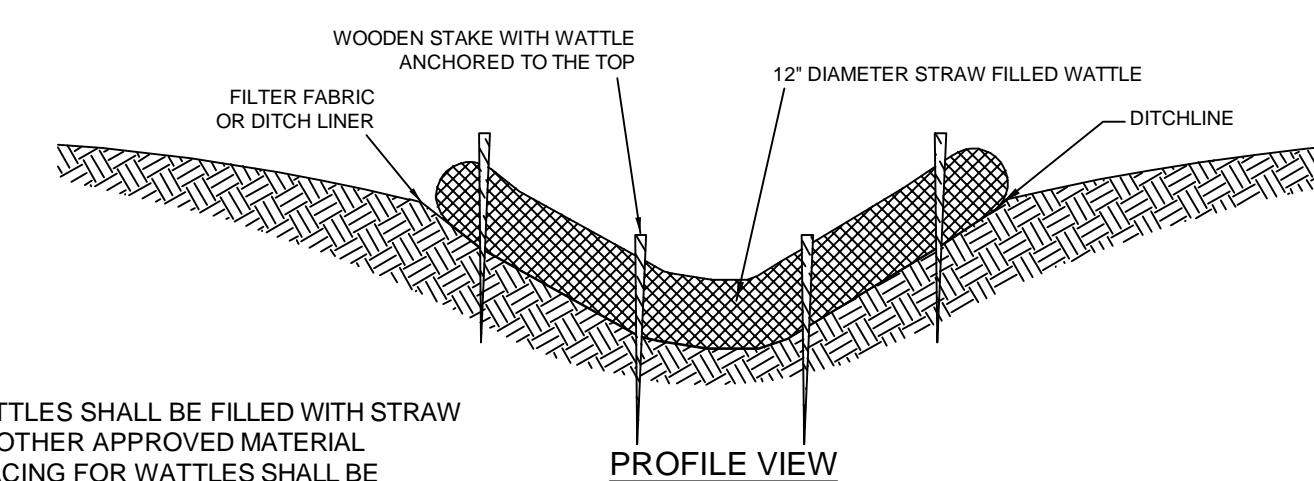
1. Apply seed, and tack with rs or crs liquid emulsified asphalt at a rate equal to 10 gal. per 1000 s.f. Cover w/excelsior matting.
2. Staple every 24" along perimeter edges and overlaps. Staple every 36" to 48" randomly to secure netting.
3. Roll out netting in the direction of water flow. Do not stretch.

**HARDWARE CLOTH & GRAVEL INLET PROTECTION**

NOT TO SCALE



**MAINTENANCE:**  
INSPECT THE BARRIER AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.

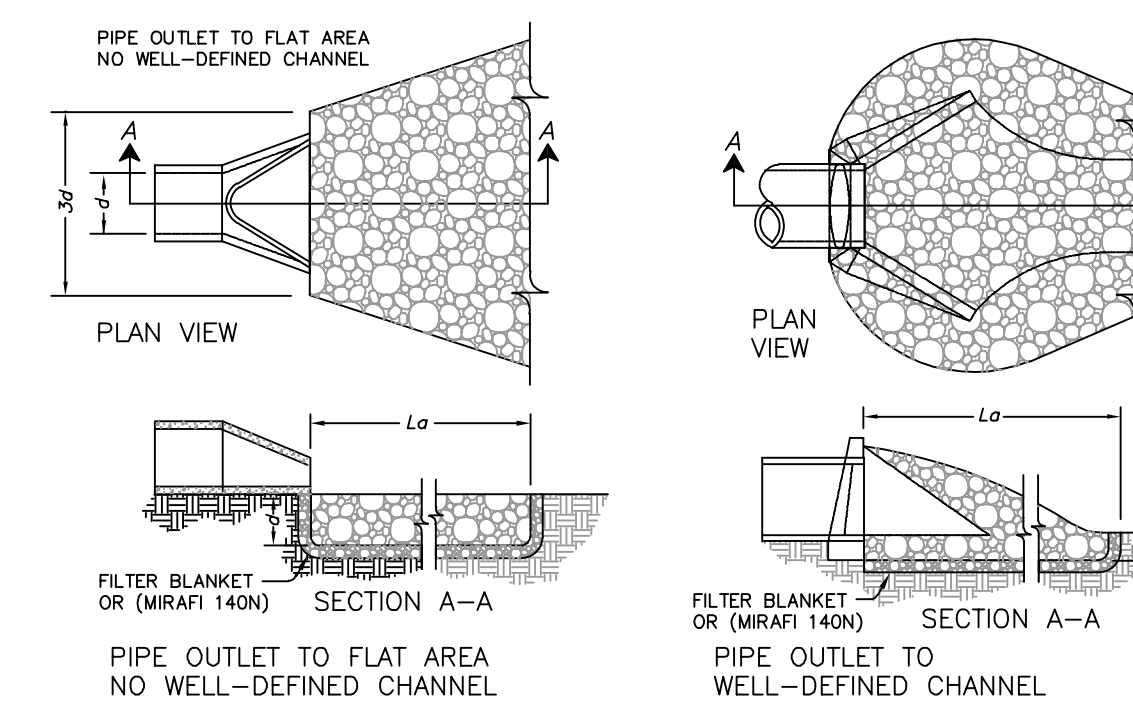
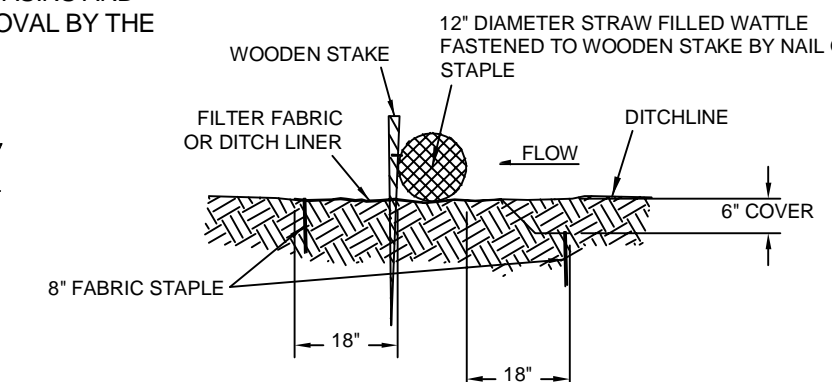


**NOTES:**

1. WATTLES SHALL BE FILLED WITH STRAW OR OTHER APPROVED MATERIAL.
2. SPACING FOR WATTLES SHALL BE DETERMINED BY THE SITE ENGINEER.
3. WATTLES MAY BE USED FOR PROTECTION OF CATCH BASINS AND DROP INLETS WITH APPROVAL BY THE ENGINEER.

**NCDOT WATTLE**

NOT TO SCALE

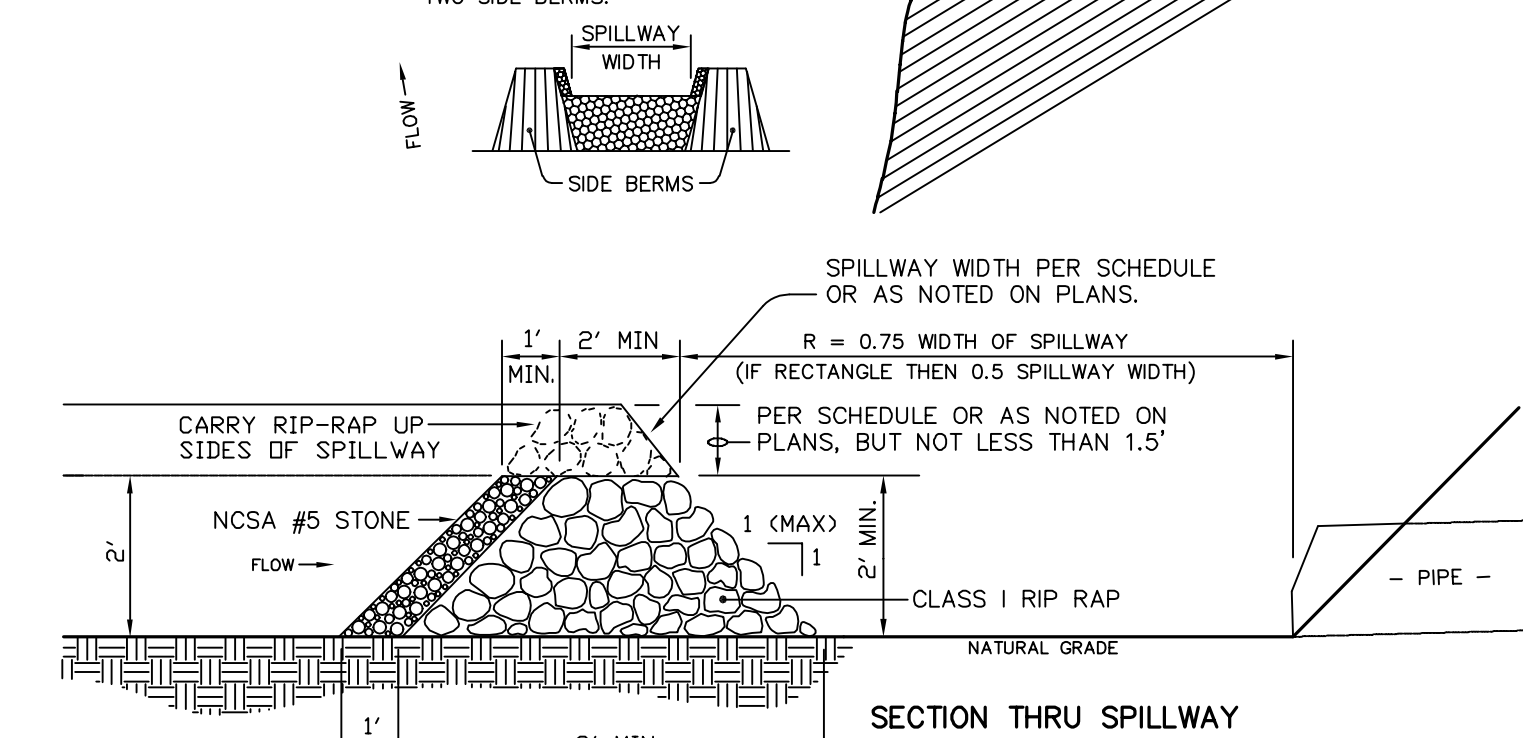
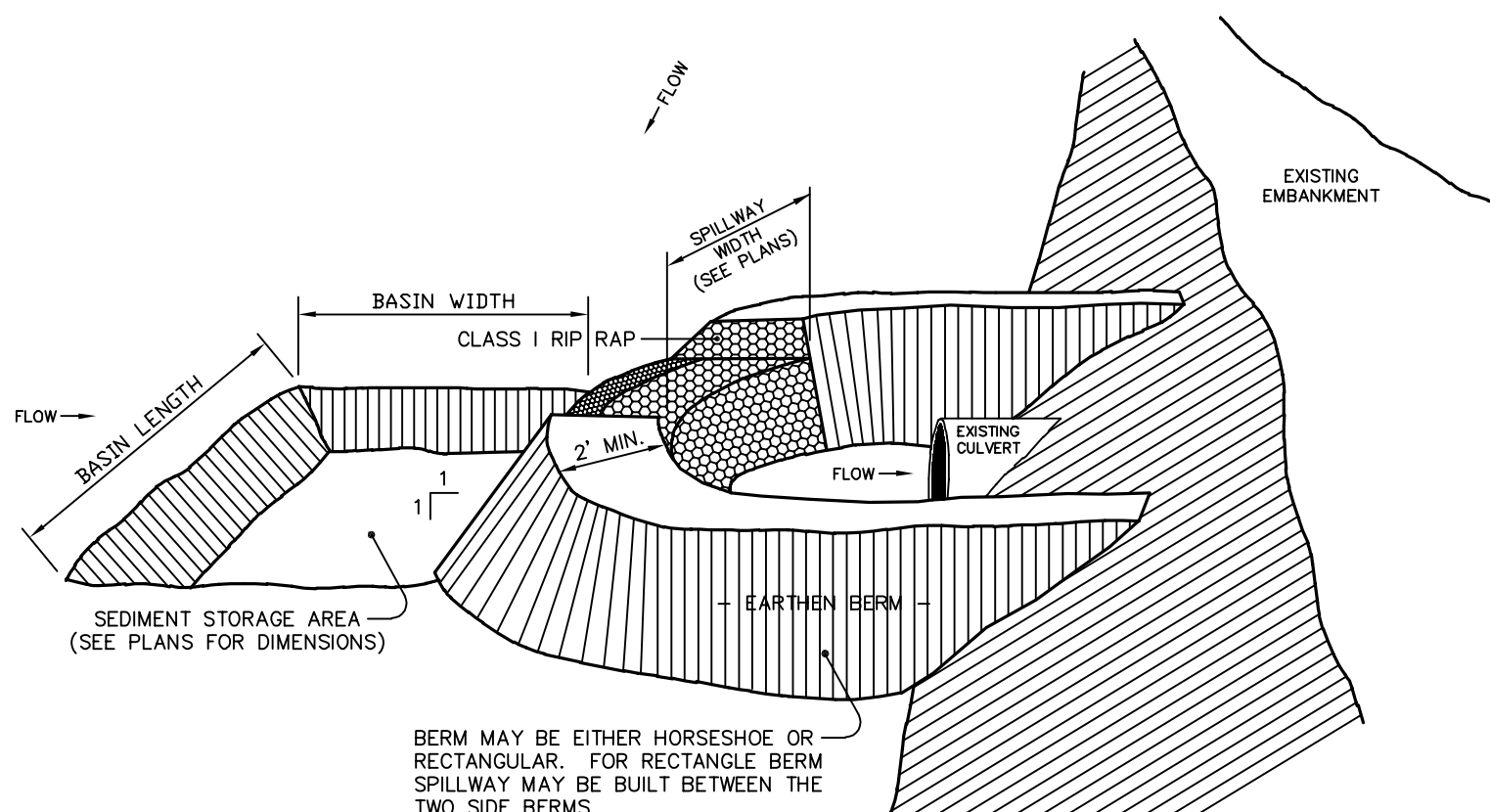


**GENERAL NOTES:**

1. L<sub>a</sub> = THE LENGTH OF THE RIP RAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 8' ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION.
5. FLARED END SECTION IS OPTIONAL. SEE PLANS FOR REQUIREMENT.
6. SEE PLAN AND PROFILES FOR ACTUAL DIMENSIONS.

**PIPE OUTLET PROTECTION**

SCALE: N.T.S.



**ARC FILTER INLET PROTECTION**

NOT TO SCALE

**CONCRETE TRUCK WASHOUT**

NOT TO SCALE

**STOCKS ENGINEERING**  
801 EAST WASHINGTON STREET NASHVILLE, N.C. 27856  
P.O. BOX 1108 PHONE: (252) 459-8196  
WWW.STOCKSENGINEERING.COM

**NORTH CAROLINA PROFESSIONAL SEAL 19843**  
ENGINEER  
MICHAEL STOCKS  
8/25/23

**OAKLEY COLLIER ARCHITECTS**  
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**NEW BUILDING & SITE DEVELOPMENT FOR:**  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

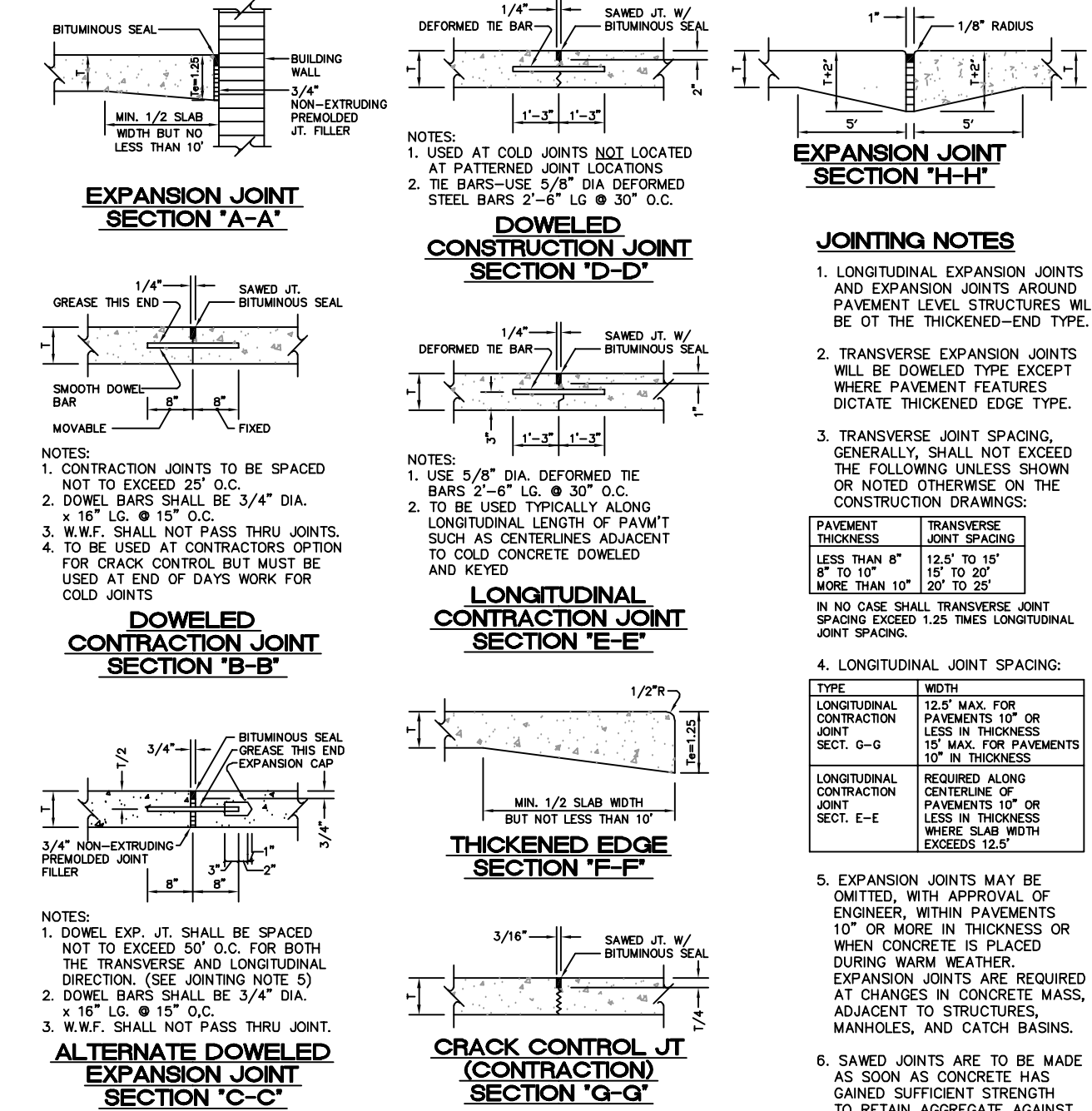
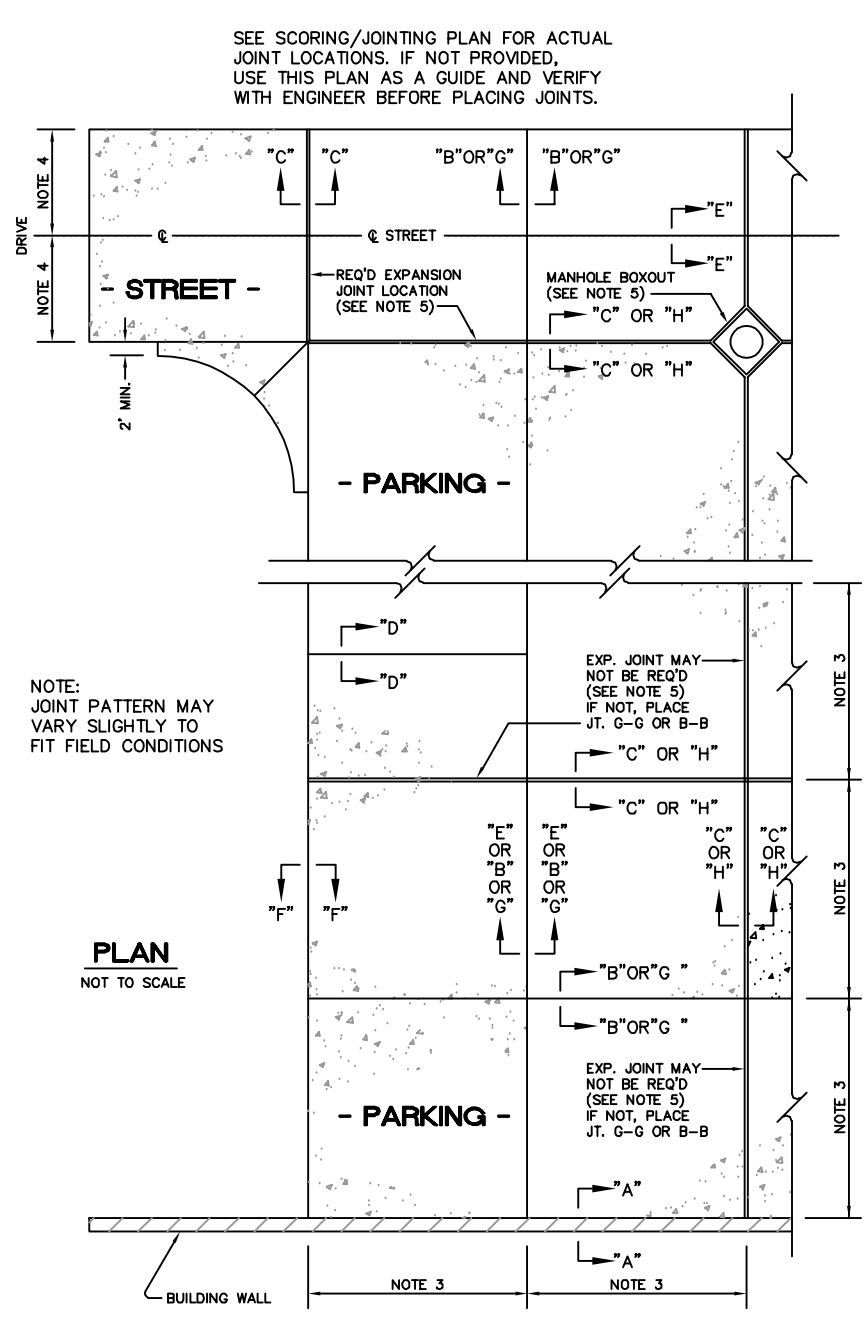
**GENERAL NOTE:**  
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

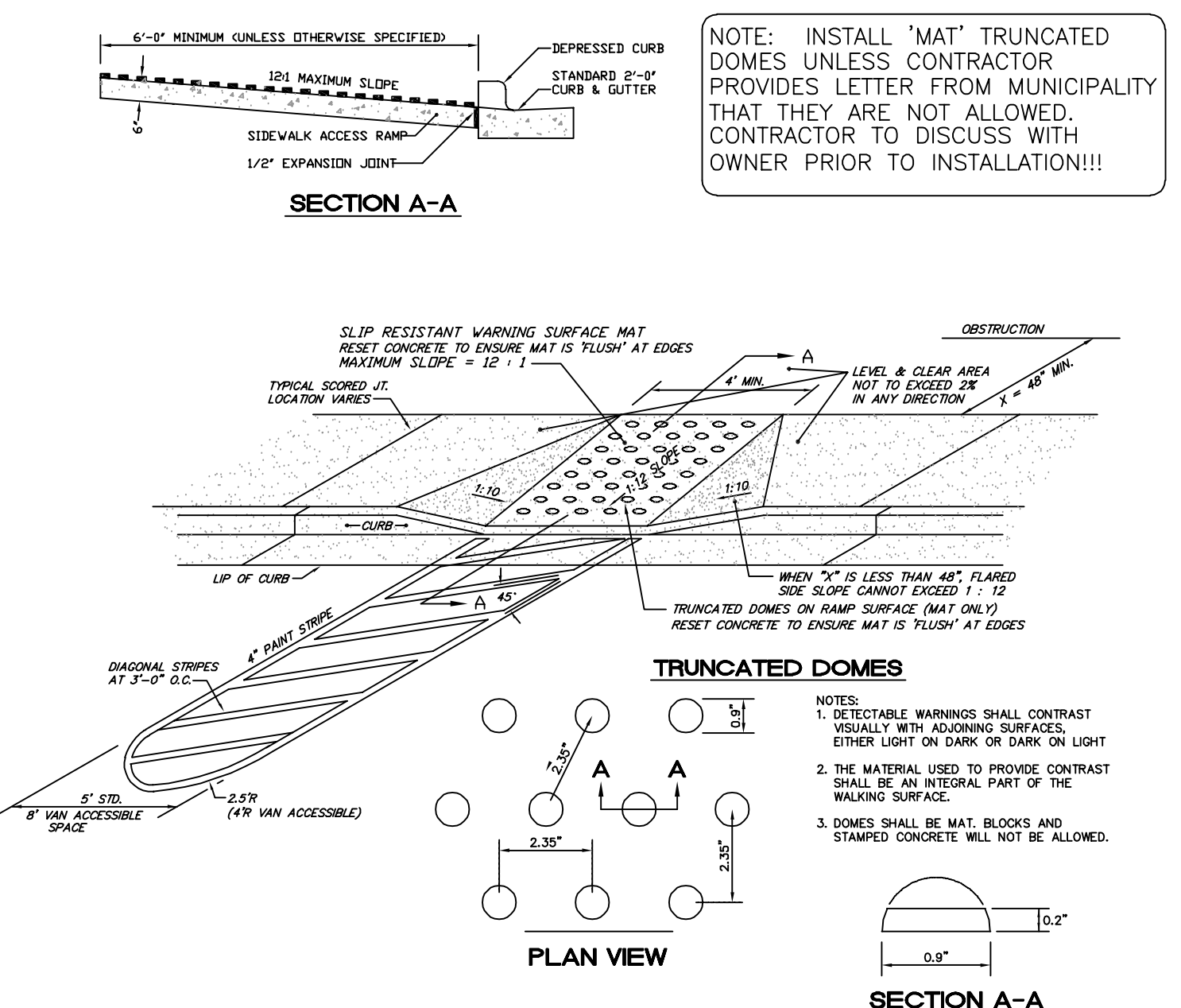
Date: 08.25.23  
Project No: 21056  
Sheet No: D-02  
Checked By: [Signature]  
Sheet Title: EROSION NOTES/DETAILS

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

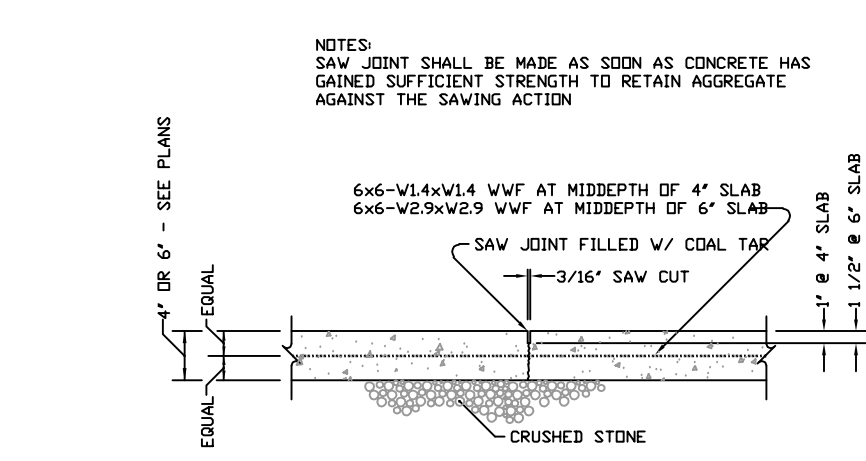
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



**TYPICAL JOINT LOCATIONS**  
 GENERIC DETAIL - WIDTH AND DEPTH OF CONCRETE VARIES  
 SCALE: N.T.S.



**HANDICAP RAMP IN WALK (TYP)**  
 GENERIC DETAIL - SEE GRADING PLAN FOR ACTUAL DIMENSIONS AND GRADES  
 SCALE: N.T.S.



**TYPICAL SLAB CRACK CONTROL JOINT DETAIL "SJ"**  
 SCALE: N.T.S.

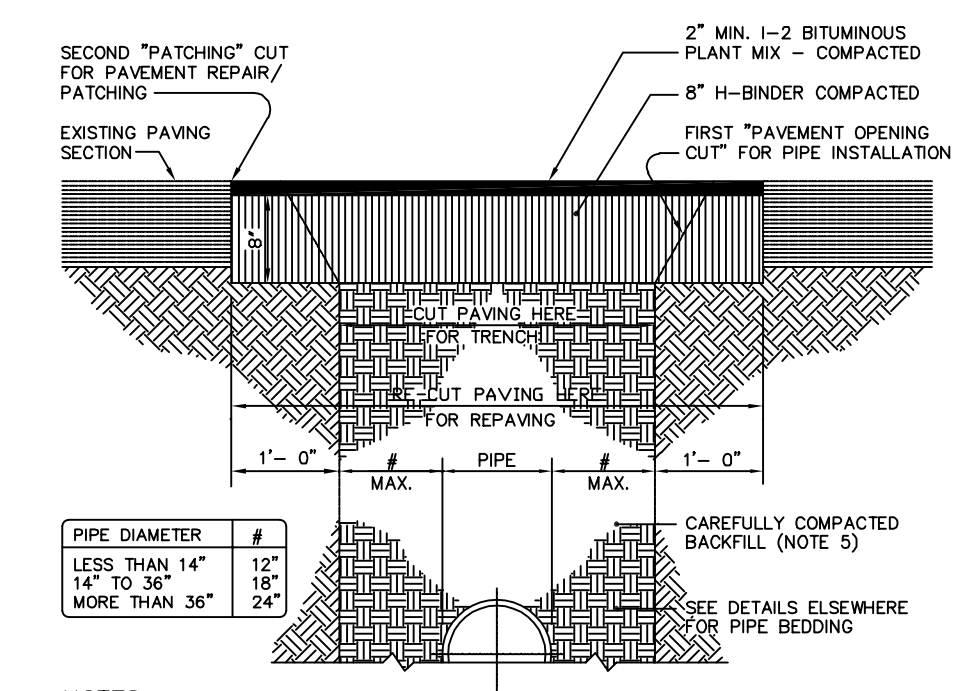
**Asphalt Paving**

1. The Contractor or Subcontractor performing the paving operation will be responsible for performing the following:
  - A. **Surface Tolerance**  
 Surface tolerance requirements for smoothness must be checked in the presence of an Inspector using a "Rolling Straightedge" for checking surface tolerance. A variation of more than 1/8" in 10 feet will be considered unacceptable and must be corrected in an acceptable manner which will also meet Item (B and H) below.
  - B. **Surface Texture**  
 Care shall be taken to insure that a smooth dense texture is achieved with no segregation, tearing, cracking, etc. Areas discovered which are not uniform in appearance and texture shall be reheated and rerolled, replaced, or if required by the Engineer, resurfaced at no additional cost to the Owner. Seams and edges shall be straight, true, and smooth.
  - C. **Plant Tickets**  
 To verify depth for payment, plant tickets shall be submitted to the Engineer.
  - D. **Payment of Asphalt**  
 No payment for paving will be made until the surface texture and smoothness has been inspected, satisfactorily repaired, if necessary, and approved by the Engineer and the Owner.
  - E. **Paving Subcontractors**  
 The General Contractor in charge of the Paving Contractor shall be responsible for assuring that his paving Contractor has read these requirements if paving is to be subcontracted. Failure to inform a Subcontractor does not relieve the Prime Contractor of these requirements.
  - F. **Paving Condition**  
 No paving of asphalt shall take place until the Utility Contractor and the Paving Contractor have mutually agreed that all valve boxes and manholes have been set to finished grade and that it is the Paving Contractor's responsibility to make minor adjustments prior to paving, as applicable.
  - G. **Asphalt Specifications**  
 Asphalt and CABG shall meet the NCDOT "Standard Specifications for Roads and Structures", latest revision. Asphalt mix and placement shall meet Division 6 of the State Specifications. CABG shall meet Section 520 of the State Specifications and graded in accordance with Table 520-1. Placement and compaction shall meet Section 520.
  - H. **Asphalt Patching**  
 Asphalt Patching WILL NOT BE ALLOWED. In the event that Asphalt is unsatisfactory to Engineer, the contractor shall mill entire section of asphalt and resurface a minimum depth of one and one-half inch and at minimum length of one hundred feet for the entire width of section in question. This area is to be determined by field inspection with the contractor and/or sub contractor and the Engineer present.

**Grading Notes**

1. Site Contractor to inform Building Contractor to verify finished grade at building before digging footings. Some portions of the building foundation wall may, of necessity, need to retain building pad fill to allow exterior grade to be dropped. In this case, step footings may be necessary to achieve the desired grade variations.
2. New finished contours shown are top of future paving in areas to receive pavement and top of topsoil in areas to be seeded.
3. Areas outside of the parking lot perimeters shall receive 4 inches of topsoil. This topsoil to be placed and leveled by the Contractor.
4. Dimensions on buildings are for grading purposes only and are not to be used to lay-off footings. See Architectural Plans.
5. Contractor shall notify and cooperate with all utility companies or firms having facilities on or adjacent to the site before disturbing, altering, removing, relocating, adjusting or connecting to said facilities. Contractor shall raise or lower tops of existing manholes, as required, to match finished grades.
6. All catch basin grate and frames are to be Vulcan or approved equal. Verify that dimension heights on castings are not exceeded in critical areas before ordering substitute castings!
7. All areas not covered by building or paving are to be seeded and mulched.
8. Unusable excavated materials and all waste resulting from cleaning and grubbing and demolition shall be disposed of off-site by Contractor.
9. All excavation is unclassified and shall include all materials encountered.
10. Before any machine work is done, Contractor shall stake out and mark the items established by the Site Plan. Control points shall be preserved at all times during the course of the project. Lack of proper working points and grade stakes may require cessation of operations until such points and grades have been placed to the Owner's satisfaction.
11. Contractor to ensure all portions of the site have positive drainage. This must be verified prior to paving or pouring concrete.
12. Refer to soils report for directions on earthwork and subgrade preparation, if available.

**Concrete Notes**



- CONCRETE NOTES**
1. All construction, placing, pouring and curing concrete is to conform to the latest edition of ACI 318.
  2. All reinforcing steel is to be cold cut and bent.
  3. Portland cement concrete shall have a minimum 28 day compressive strength of 4,000 PSI.
  4. Do not use chloride in any concrete which has reinforcing steel or wire fabric.
  5. Reinforcing steel shall meet ASTM A-615, Grade 60. Welded wire fabric shall meet ASTM A-185. The wire shall conform to ASTM A-82.
  6. Lap welded wire fabric a minimum of one mesh. Lap all bars a minimum of 24". Alternate adjacent bar splices a minimum of 48".
  7. Use only approved chairs with sand plates to support reinforcing on grade.
  8. All crossings of reinforcement are to be tied. Supports for reinforcing to hold bars against movement during pour and finish operation. Supports for reinforcing bars to be a minimum of 48 inches apart.
  9. Concrete shall be only plain-mixed, trans-mixed or ready-mixed concrete. The time elapsing from mixing to placing the concrete shall not exceed ninety (90) minutes.
  10. Concrete shall not be deposited on frozen subgrade and shall not be poured when the air temperature for the succeeding 24-hour period is less than 32 degrees F.
  11. All concrete when placed in forms shall have a temperature between 50 degrees F and 90 degrees F and shall be maintained at a temperature of not less than 50 degrees for at least 72 hours for normal concrete and 24 hours for high early strength concrete.
  12. Do not place fresh concrete during summer on a dry subgrade. Moisten subgrade before placing concrete.
  13. Subgrade is to be firm, free of water and/or silt and undisturbed or compacted properly. Consult Engineer if soft or yielding subgrade is encountered for improvement directions. If ground water is entering subgrade, consult Engineer for instructions.
  14. Areas of concrete to be removed shall be saw cut before removing. The saw cut shall provide a smooth, straight edge approximately two (2) inches deep before breaking away the adjacent concrete.
  15. Immediately after the forms have been removed and all honeycombed areas are repaired, backfill to prevent underwash.
  16. Brooming of the concrete surface shall be done transverse to the direction of traffic for all pedestrian areas.
  17. Joint spacing shall be no less than 8-feet. Where existing sidewalks are being widened, transverse joints shall be located so as to line up with existing joints in the adjacent existing sidewalk. Grooved joints shall not be sealed. Seal all others.
  18. Concrete Sub shall be responsible for all score joints and expansion joints. A preliminary score joint pattern and expansion joint pattern shall be submitted to the project engineer for review prior to pouring concrete.
  19. Expansion joints shall be one-half (1/2) inch in width and shall be placed between all rigid objects at a distance of no more than thirty (30) feet apart and shall extend the full depth of the concrete with the top of the filler one-half (1/2) inch below the finished surface.
  20. The edges of the curb/sidewalk shall be finished with an approved edging tool one-half (1/2) inch radius. Joints shall be similarly finished immediately after templates have been removed.
  21. Saw control joints as soon as fresh concrete will retain coarse aggregate against the sawing action.
  22. Contractor SHALL NOT POUR any concrete before forms are inspected by the project engineer and/or the architect. Any concrete that has not been approved by the engineer and/or owner will be the responsibility of the contractor.
  23. Cracked concrete shall be repaired. Remove entire panel from joint to joint.

**FULL DEPTH ASPHALT PATCH**  
 SCALE: N.T.S.

**Concrete Testing Requirements**

- Initial Test**  
 The initial test (from first ready-mix truck) is to be taken after the second yard is dispatched from the mixer and is to consist of the following:
1. One slump test
  2. Pull, prepare and store 3 cylinders on-site for 24 hours.
  3. Temperature
- Subsequent Tests**  
 After the above tests are pulled from the initial truck, every 5th truck thereafter is to be tested in the same manner as noted above.
- Asphalt Testing Requirements**  
**Compaction:** Testing for asphalt density is to follow NCDOT "Standard Specifications for Roads and Structures", Section 609-9, "Field Compaction Quality Management," latest revision.  
**Thickness:** The minimum frequency of curing for thickness testing shall be on the basis of test sections consisting of not more than 1500 linear feet of lay down width, exclusive of intersections and irregular areas. The test sample is to be a 6-inch core sample. The sample is to be numbered and logged for identification purposes.  
**Contractor's Quality Control System:**  
 Follow NCDOT "Standard Specifications for Roads and Structures", Section 609-5, "Contractor's Quality Control System," latest revision.  
**Mixture and Job Mix Formula Adjustments:**  
 Follow NCDOT "Standard Specifications for Roads and Structures", Section 609-4, "Field Verification of Mixture and Job Mix Formula Adjustments", latest revision.  
**General:** All other applicable sections of Section 609 of the NCDOT "Standard Specifications for Roads and Structures" shall apply relating to Quality Control Plan, mix design, control limits, corrective action, equipment and measurement.  
**Testing Cost:** Contractor is responsible for cost of testing asphalt and concrete.

**Parking, Street or Building Subgrade Preparation**

- A. **Subgrade on Precompacted Original Soil**
  1. Remove all the topsoil and all questionable organic soil and extend a minimum of four (4) feet beyond the outside edge of the pavement.
  2. Precompact the exposed grade with a vibratory roller weighing a minimum of ten (10) tons (static load) or equal to stabilize the initial settlement of the top strata of the soil. The stability of the subgrade will be considered adequate when the total settlement after the last four (4) complete passes by the vibratory roller does not exceed 1/8". Any area that settles excessively and fails to stabilize under continued rolling should be further undercut and replaced with properly compacted select granular fill.
- B. **Subgrade on Certified Compacted Fill**
  1. Prepare the site following the same procedures as outlined in Items 1 and 2 above.
  2. Using the same compaction equipment as outlined above, compact new fill soil in 4"-8-inch layers to a minimum 98-percent of the maximum dry density at its optimum moisture content in accordance with the Standard Proctor Method, ASTM Standard D 698-78 and field controlled in accordance with ASTM Standard D 2167-84, or equal. The top one (1) foot of the prepared fill subgrade should be compacted to 100-percent of the maximum dry density using the Standard Proctor Method.
  3. The end of the fill should be terminated at the minimum slope of two (2) horizontal to one (1) vertical measured from three (3) feet beyond the outside edge of the pavement to the toe of the fill. The fill soil is to be select granular soil weighing a minimum of 110 pcf at its optimum moisture content.

**Drainage Notes**

1. Boxes may be reinforced masonry, masonry, precast concrete or cast-in-place reinforced concrete.
2. The maximum height of an un-reinforced masonry drainage structure with 8-inch walls shall be limited to 8-foot from invert of the outlet pipe to the top of the casting. Depths greater than 8-feet shall have walls 12-inches thick. Basins over 12-feet in total depth shall be designed by a NC Professional Engineer. Four-inch walls are not allowed on drainage structures.
3. Steps are to be provided on all basins deeper than 42".
4. Steps are to be PST-FE as manufactured by M. A. Industries or an approved equal. Locate on non-pipe walls.
5. Mortar in masonry boxes is to be type M.
6. Clay brick structures are not allowed.
7. Concrete building brick is to meet ASTM C-55, Grade N, and Type 1.
8. All iron castings are to be drilled and legged to the drainage structure. The drainage structure as well is to be drilled.
9. All cast-in-place or precast concrete drainage structures located in paved areas accessible to truck loadings are to be designed to meet AASHTO HS 20-44 loading. See manufacturer's details for wall, top and bottom thickness.
10. All catch basins grates and frames are to be Vulcan or approved equal. Verify dimensions heights on castings are not exceeded in critical areas before ordering castings!
11. All concrete pipe is to be ASTM C-76, Class III with ram-nek.
12. All frames and grates shall receive a bituminous coating.

**STOCKS ENGINEERING**  
 801 EAST WASHINGTON STREET NASHVILLE, N.C. 27856  
 P.O. BOX 1108 PHONE: (252) 459-8196  
 WWW.STOCKSENGINEERING.COM  
 BLN-C-1874 SE JOB #0222-073

**NORTH CAROLINA PROFESSIONAL SEAL 19843**  
 ENGINEER  
 J. MICHAEL STOCKS  
 8/25/23

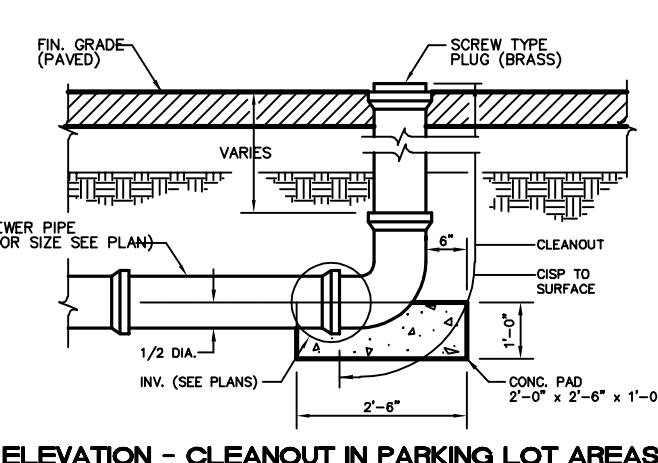
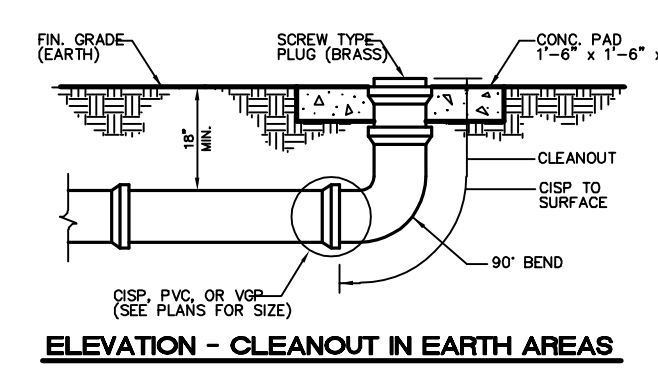
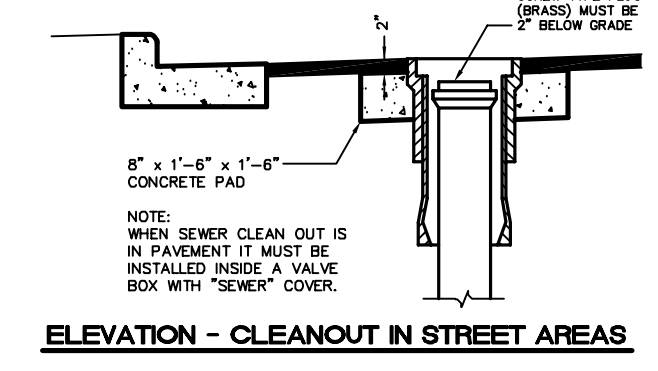
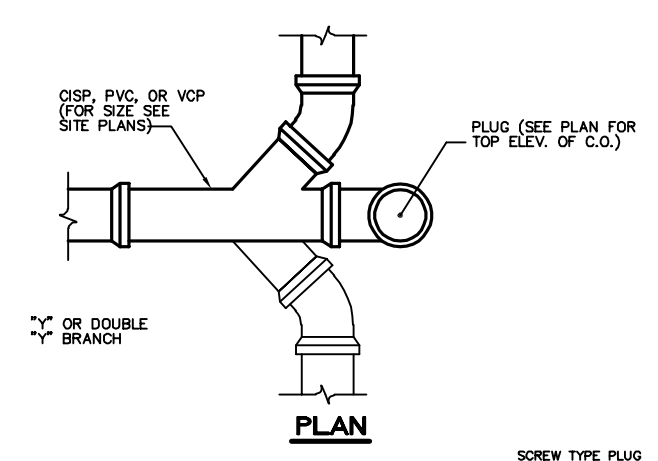
**OAKLEY COLLIER ARCHITECTS**  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
 NEW BUILDING & SITE DEVELOPMENT FOR:  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657  
 100 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
 205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

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

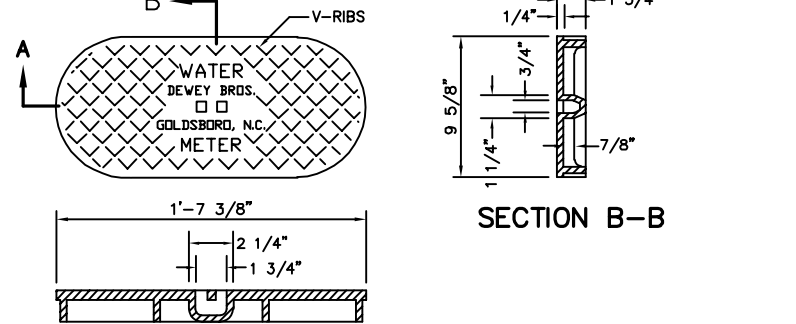
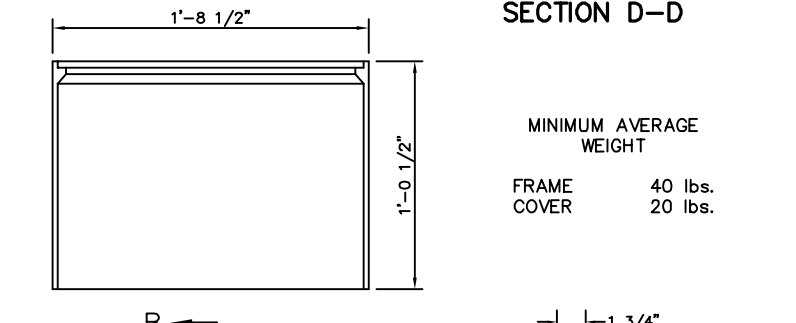
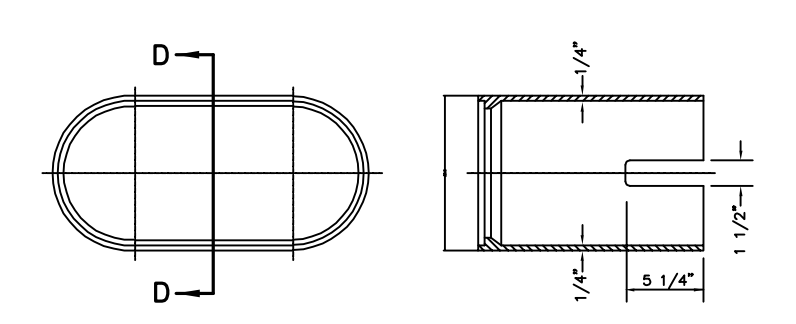
Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
Checked By	D-03
Sheet Title	

**SITE NOTES and DETAILS**

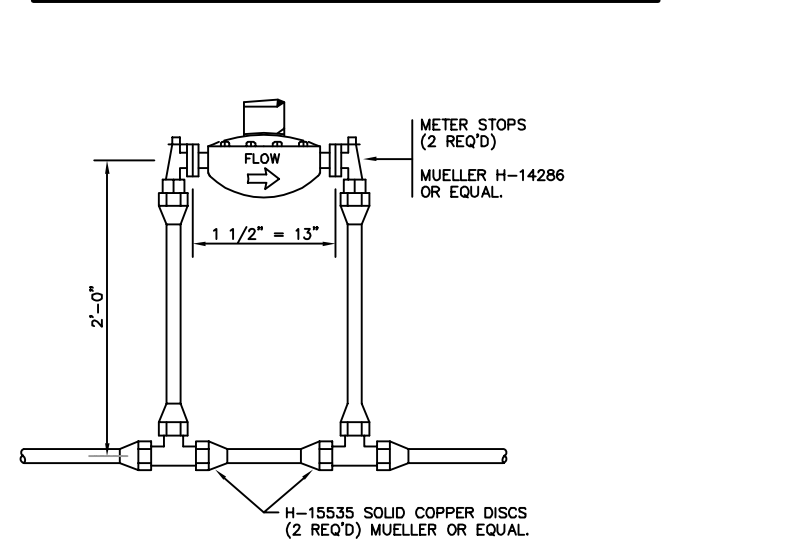
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



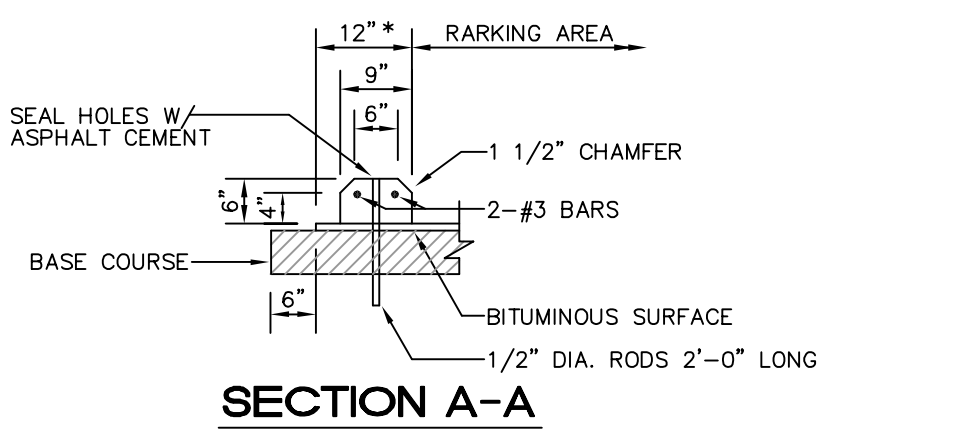
TYPICAL CLEANOUT



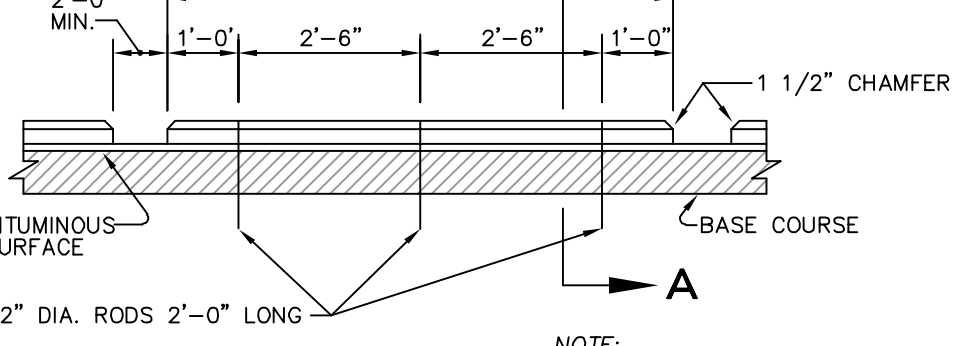
WATER METER BOX



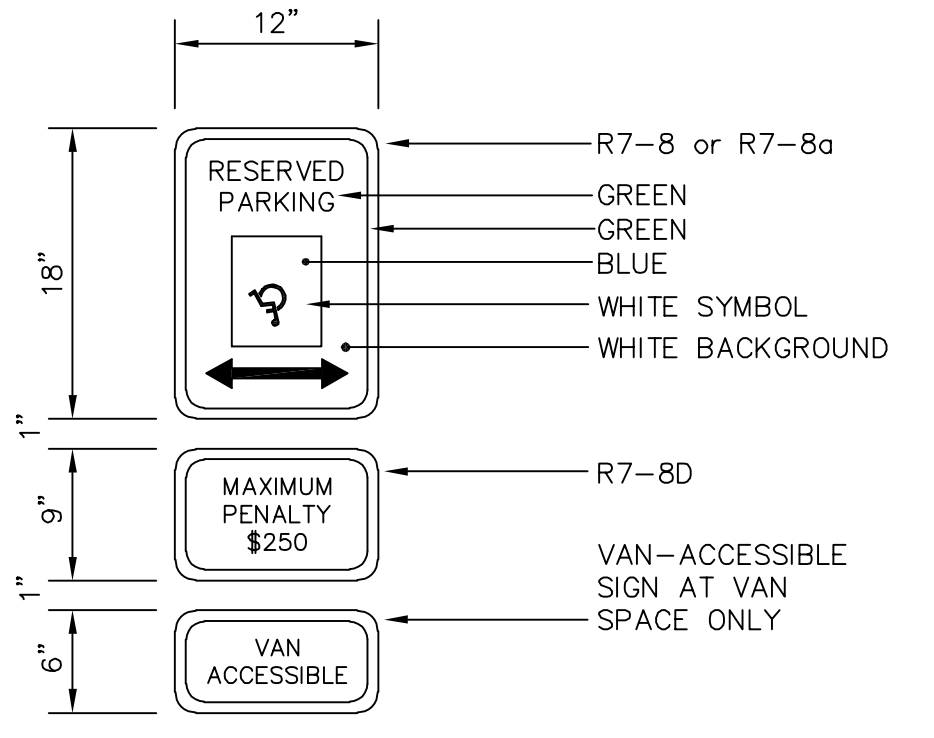
COPPER SETTER



WHEEL STOP DETAIL

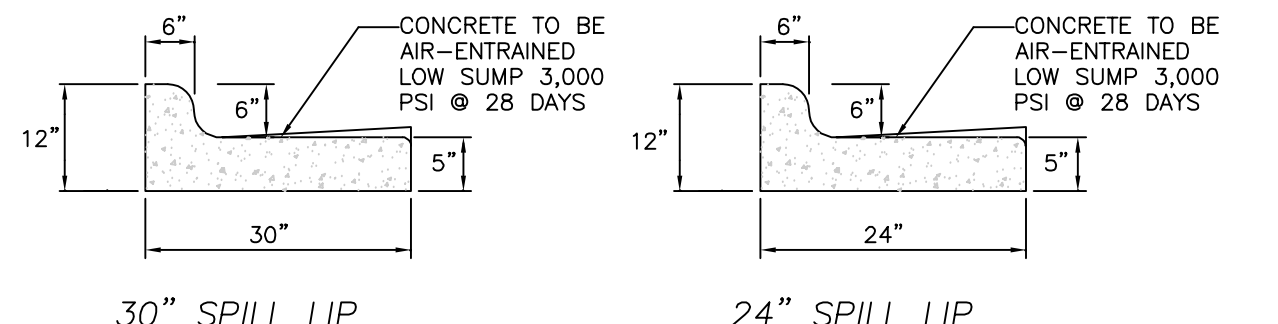


ELEVATION

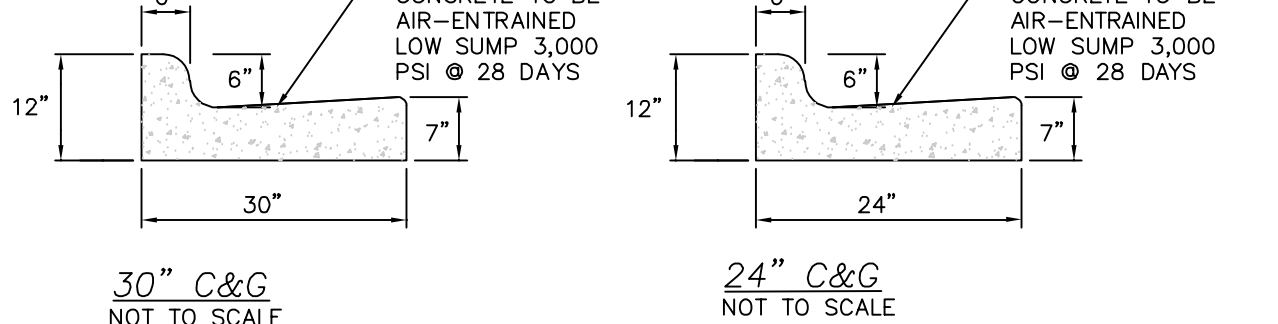


R7-8 HANDICAP SIGN

SCALE: N.T.S.



30" SPILL LIP



24" SPILL LIP

SCALE: N.T.S.



30" C&G

SCALE: N.T.S.



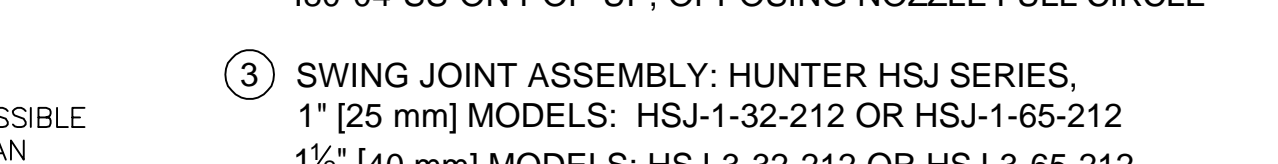
24" C&G

SCALE: N.T.S.



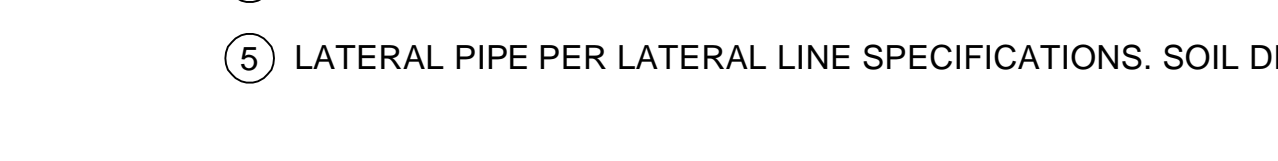
CONCRETE CORNER DETAIL

SCALE: N.T.S.



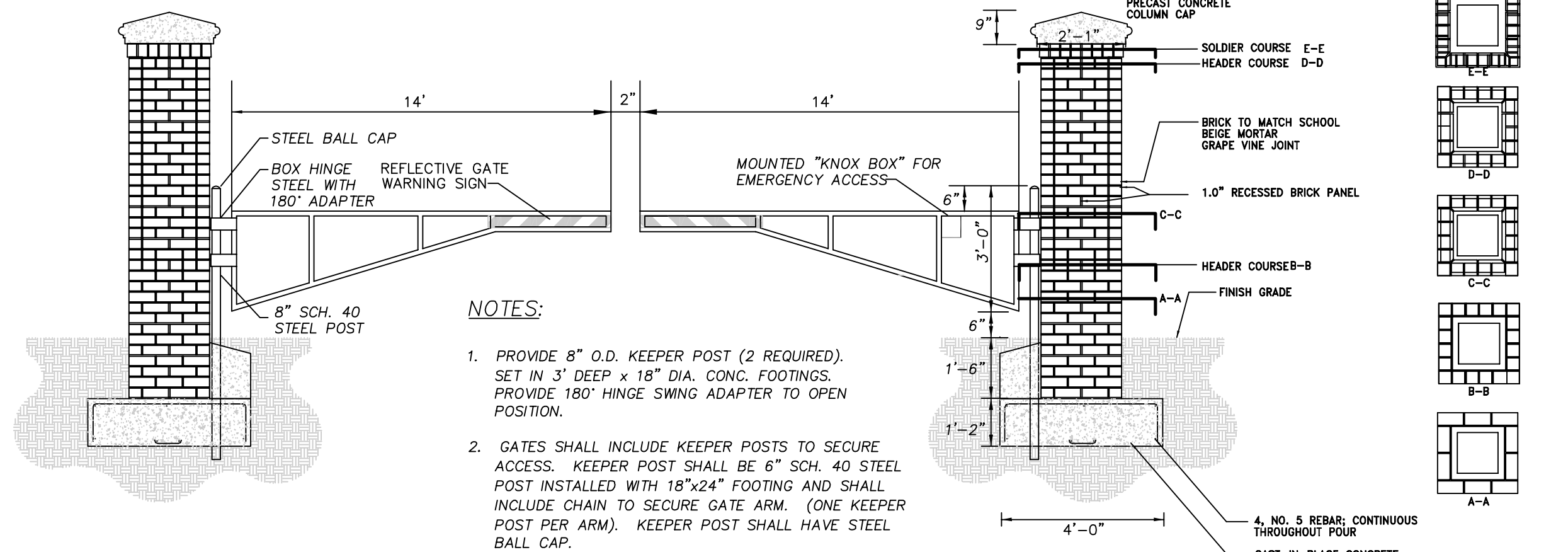
90° HANDICAP STALLS - TYPICAL

SCALE: N.T.S.



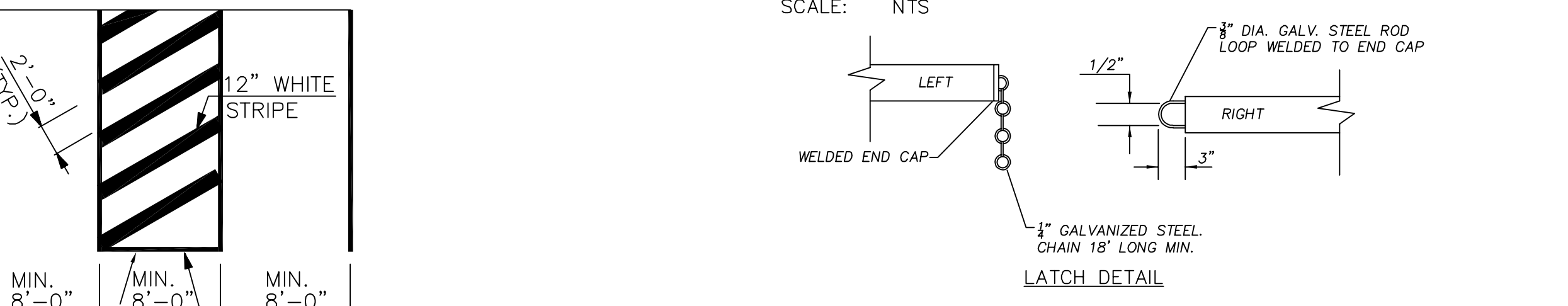
I-80 POP-UP ROTOR

SCALE: NOT TO SCALE

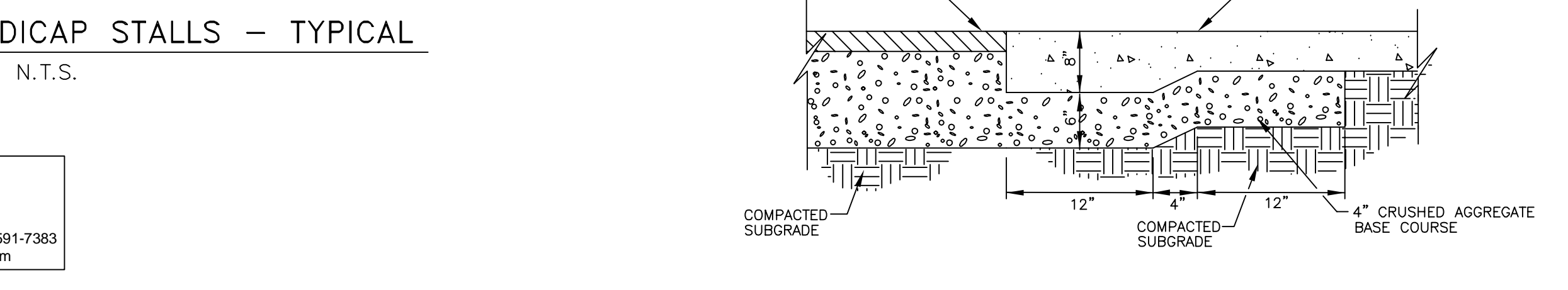


VEHICULAR GATE

SCALE: N.T.S.

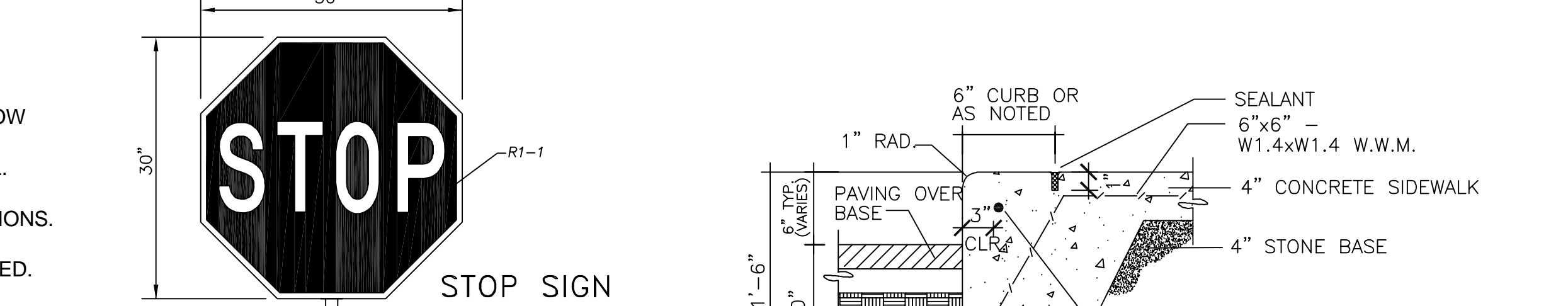


LATCH DETAIL



CONCRETE/BITUMINOUS PAVEMENT INTERFACE

SCALE: N.T.S.



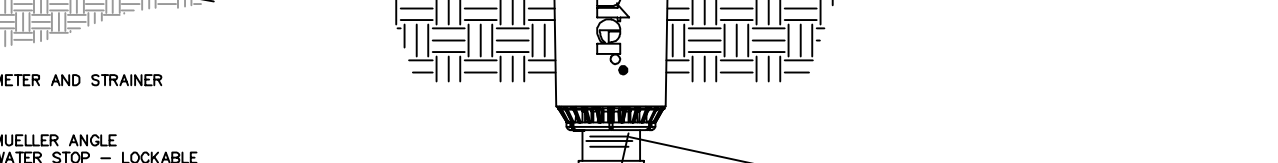
SIDWALK TURN-DOWN

SCALE: N.T.S.



STOP SIGN

SCALE: N.T.S.



DETAIL LEGEND:

- FINISH GRADE
- 180-04-SS POP-UP, ADJUSTABLE ARC  
180-04-SS-ON POP-UP, OPPOSING NOZZLE FULL CIRCLE
- SWING JOINT ASSEMBLY: HUNTER HSJ SERIES,  
1" [25 mm] MODELS: HSJ-1-32-212 OR HSJ-1-65-212  
1 1/2" [40 mm] MODELS: HSJ-3-32-212 OR HSJ-3-65-212  
(REFER TO HUNTER CATALOG FOR OPTIONS).  
INSTALL AS FOLLOWS:  
A. HAND TIGHTEN O-RING JOINTS, BACK-OFF ONE FULL TURN TO ALLOW FOR SWING ACTION.  
B. INSTALL SWING JOINT LAY ARM AT 30°-45° ANGLE TO THE LATERAL.
- LATERAL TEE OR ELL CONNECTION PER LATERAL LINE FITTING SPECIFICATIONS.
- LATERAL PIPE PER LATERAL LINE SPECIFICATIONS. SOIL DEPTH AS SPECIFIED.

HUNTER INDUSTRIES  
1940 Diamond Street  
San Marcos, CA 92078  
Main: 760-744-5240  
Technical Support: 760-591-7383  
www.hunterindustries.com

**STOCKS ENGINEERING**  
801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856  
P.O. BOX 1108  
PHONE: (252) 459-8196  
WWW.STOCKSENGINEERING.COM  
BLN-C-1874 SE JOB #2022-073

**NORTH CAROLINA PROFESSIONAL SEAL 19843**  
MICHAEL STOCKS  
8/25/23

**OAKLEY COLLIER ARCHITECTS**  
100 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

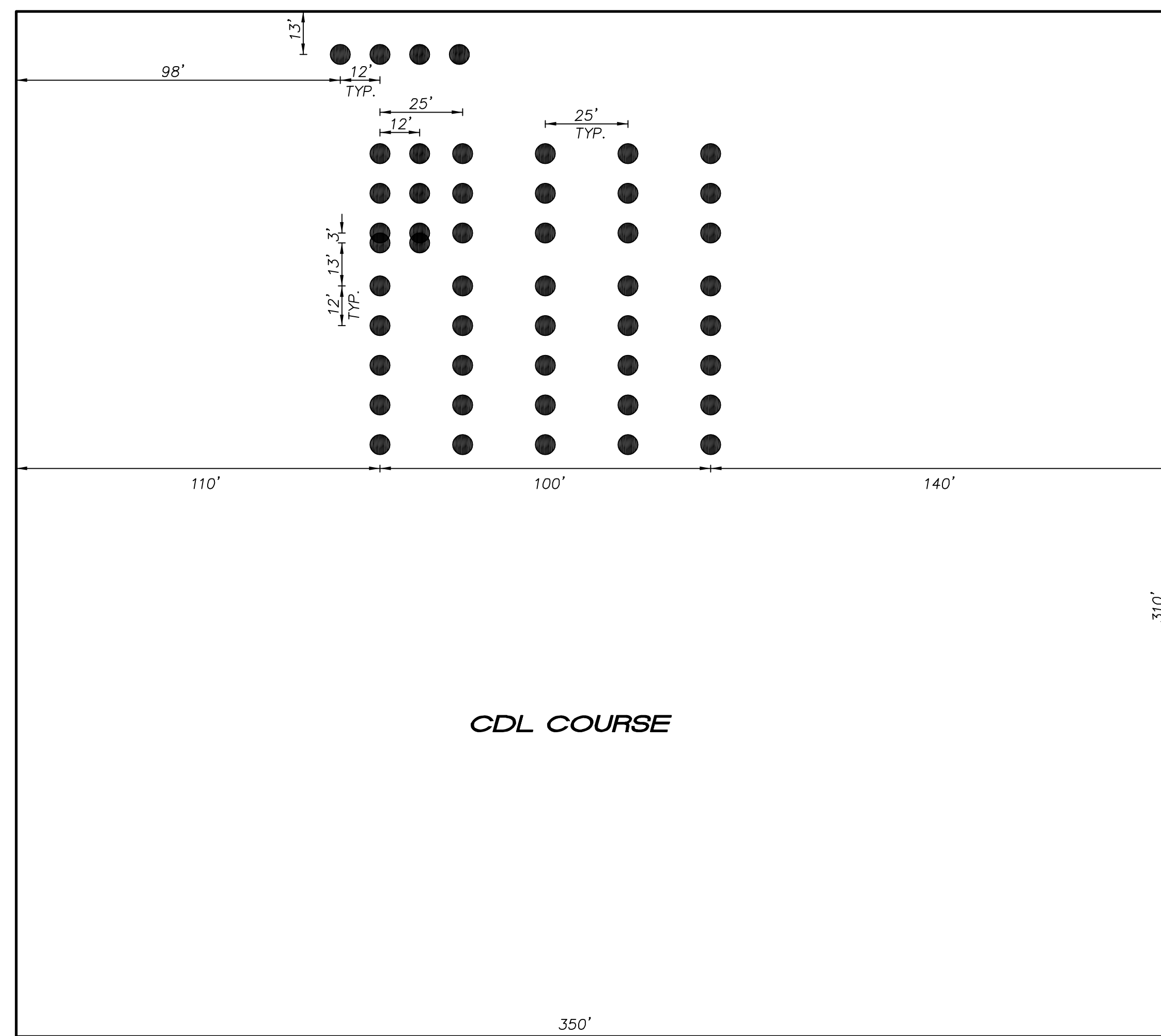
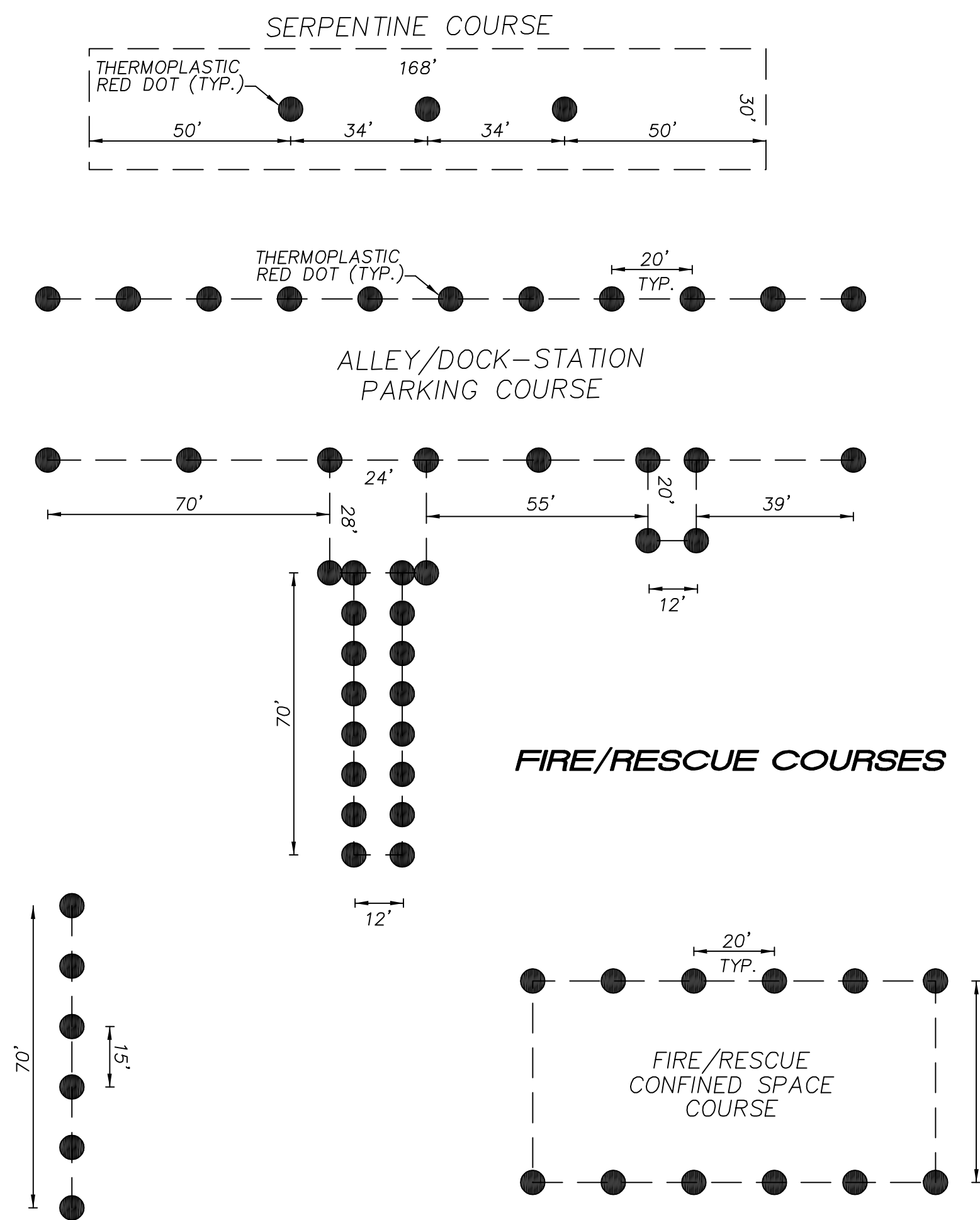
NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

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

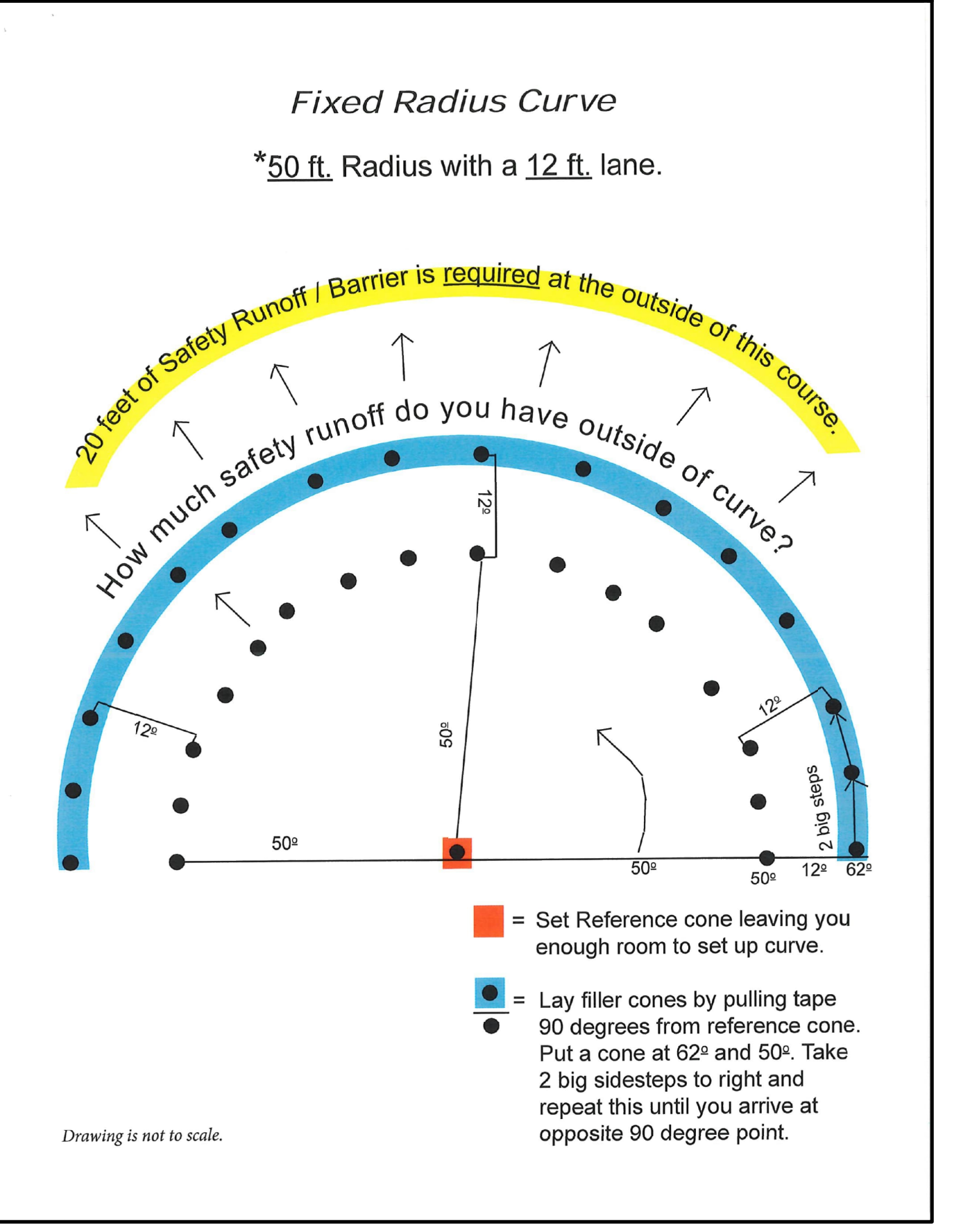
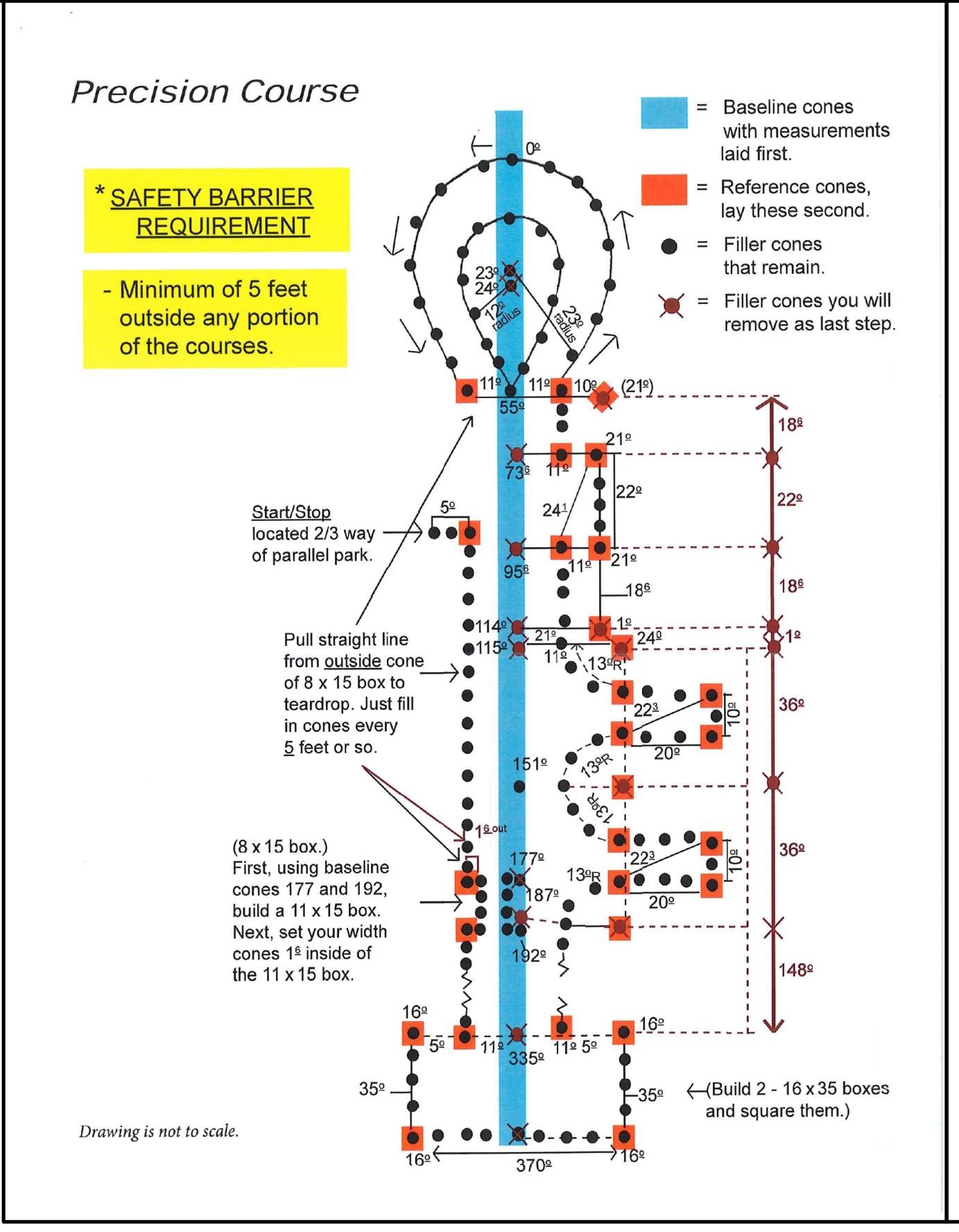
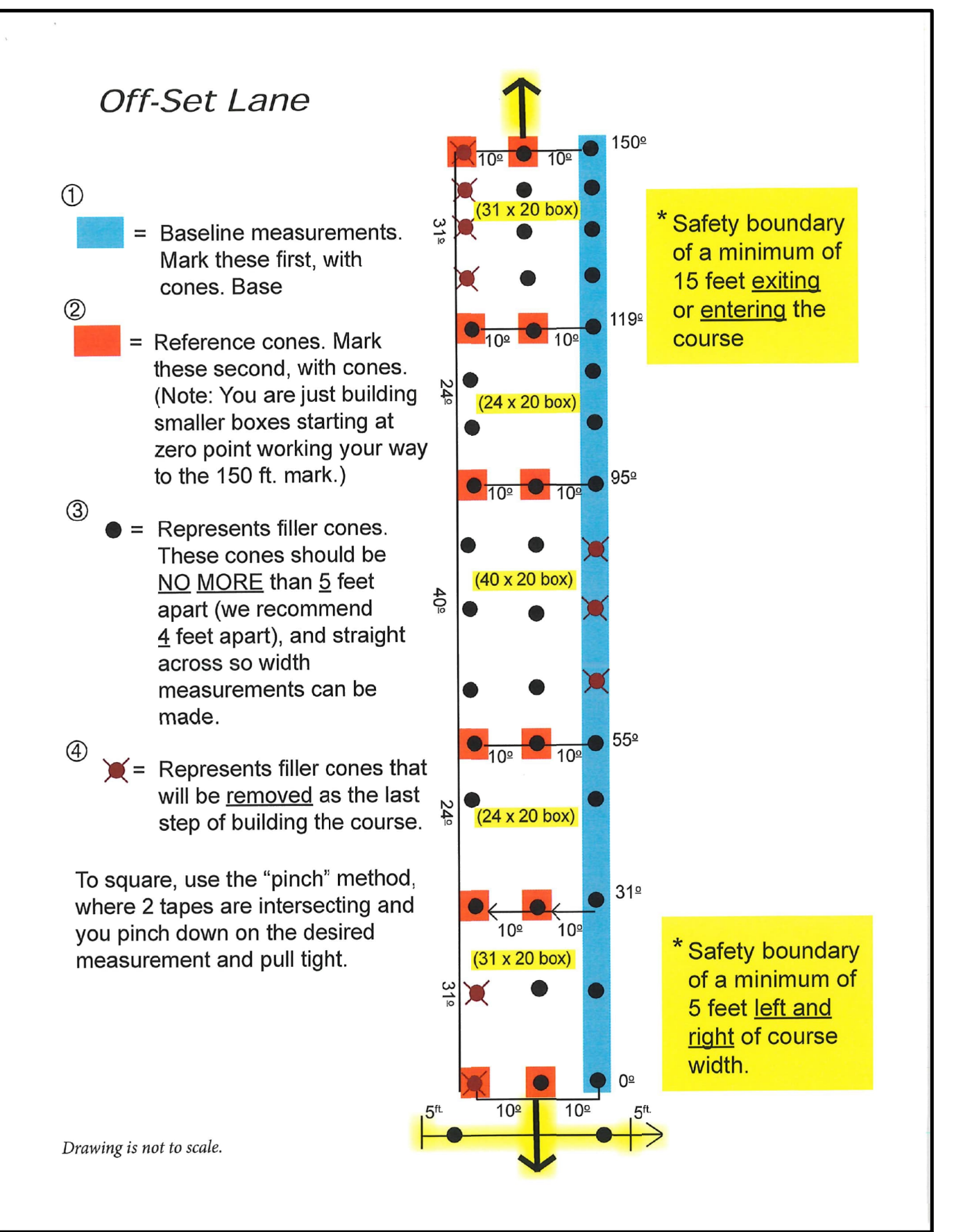
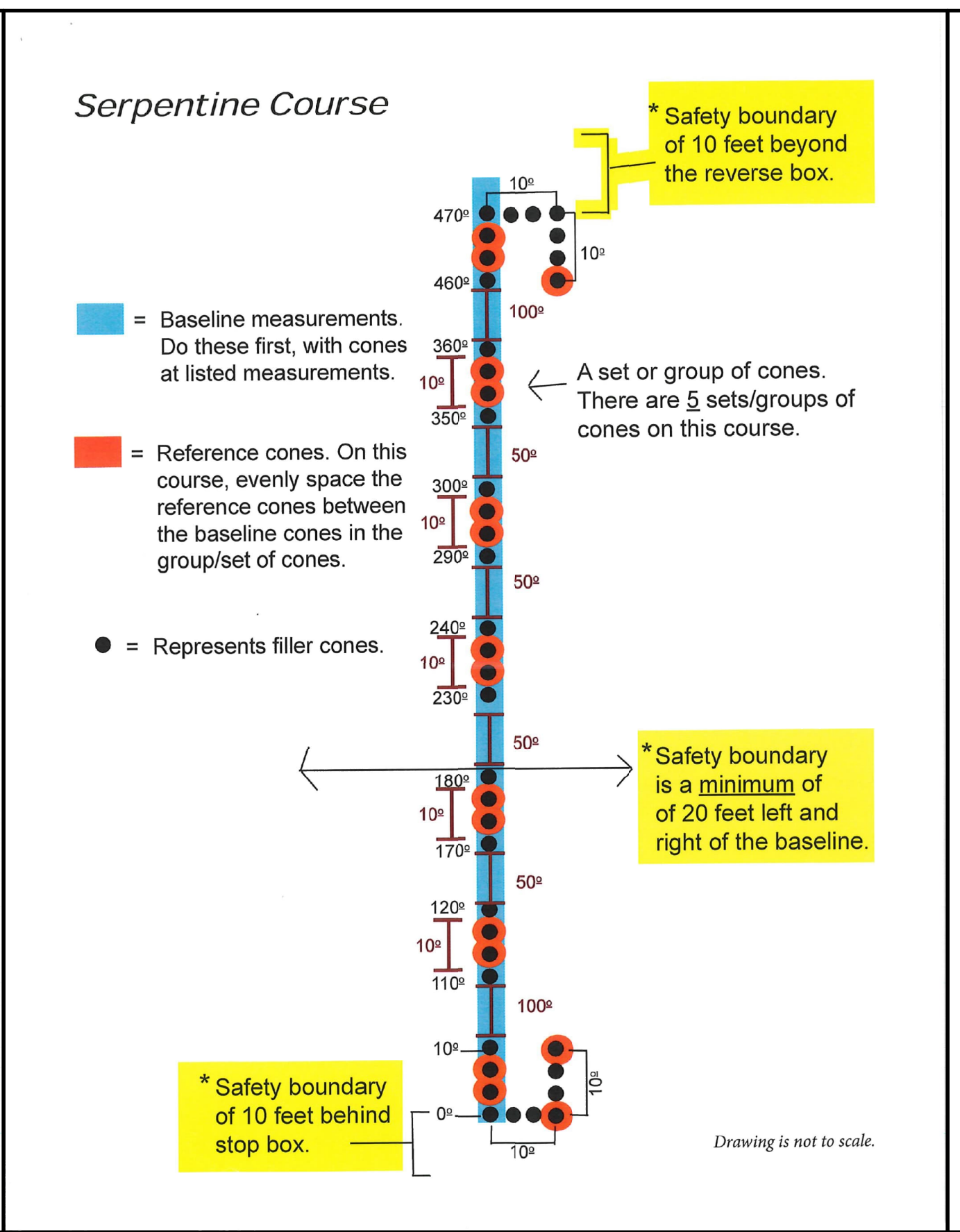
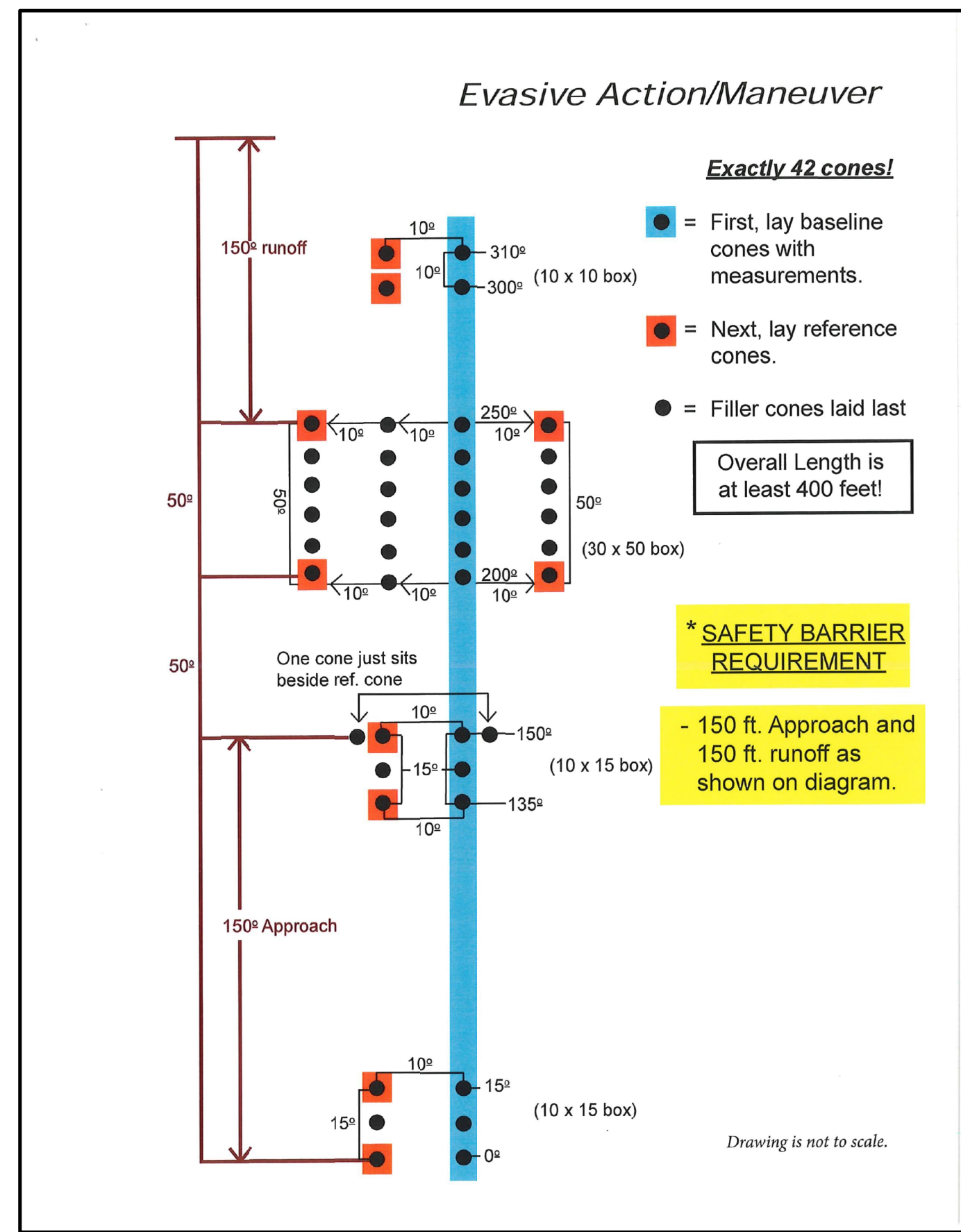
Revisions	Description	Date
A		

Date	Project No.
08.25.23	21056
Drawn by	Sheet No.
	D-04
Checked by	Sheet Title
	SITE NOTES

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



350'



**STOCKS ENGINEERING**  
 801 EAST WASHINGTON STREET NASHVILLE, N.C. 27856  
 P.O. BOX 1108 PHONE: (252) 459-8196  
 WWW.STOCKSENGINEERING.COM  
 BLN=C-1874 SE JOB #2022-073

**NORTH CAROLINA PROFESSIONAL SEAL 19843**  
 ENGINEER  
 MICHAEL STOCKS  
 8/25/23

**OAKLEY COLLIER ARCHITECTS**  
 100 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
 205 W Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**NEW BUILDING & SITE DEVELOPMENT FOR:**  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657

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

Revisions	Description	Date
1		

Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
	D-05
Checked By	Sheet Title
	MARKING DETAILS

**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**

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

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Rolled erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul style="list-style-type: none"> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or retaining walls</li> <li>Rolled erosion control products with grass seed</li> </ul>

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

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

**EQUIPMENT AND VEHICLE MAINTENANCE**

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- 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**

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- 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**

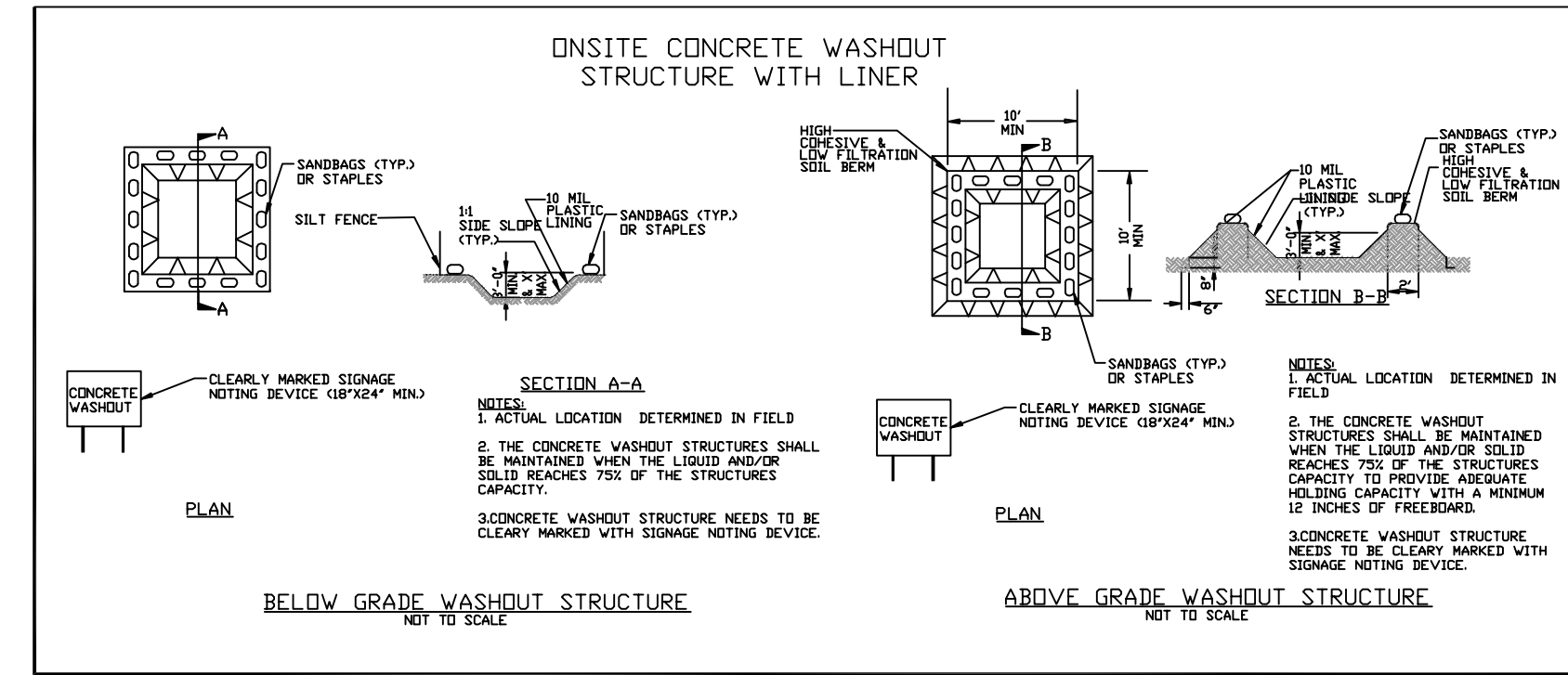
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled,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

**EARTHEN STOCKPILE MANAGEMENT**

- 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.



**CONCRETE WASHOUTS**

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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**

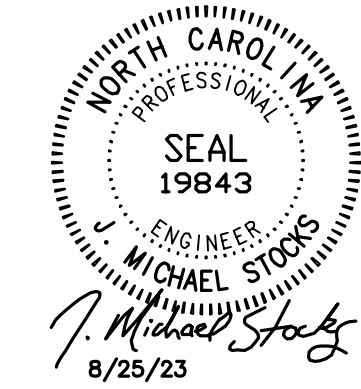
- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store 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**

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

**NCG01 GROUND STABILIZATION AND MATERIALS HANDLING**

**EFFECTIVE: 04/01/19**



**OAKLEY COLLIER ARCHITECTS**  
OCA ARCHITECTS  
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Main Street, Raleigh, NC 27601 (P) 919.985.7700

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.		
Revisions	Description	Date
Date	Project No.	
08.25.23	21056	
Drawn By	Sheet No.	
Checked By	D-06	
Sheet Title	NPDES SHEET	

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	Frequency (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 $\geq$ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. 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	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. 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: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. 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	1. 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). 2. 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 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:

- 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,
- 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,
- 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,
- 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,
- 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 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:

- This General Permit as well as the Certificate of Coverage, after it is received.
- 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 III  
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

- Visible sediment deposition in a stream or wetland.
- 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).
- Releases of hazardous substances in excess of reportable quantities under Section 311 of 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.
- Anticipated bypasses and unanticipated bypasses.
- Noncompliance with the conditions of this permit that may endanger health or the environment.

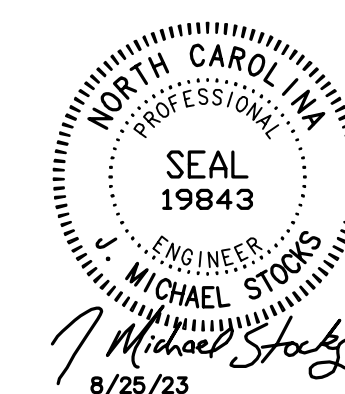
2. Reporting Timeframes and Other Requirements

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	<ul style="list-style-type: none"> <li><b>Within 24 hours</b>, an oral or electronic notification.</li> <li><b>Within 7 calendar days</b>, 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.</li> <li>If the stream is named on the <b>NC 303(d) list</b> 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.</li> </ul>
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> <li><b>Within 24 hours</b>, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.</li> </ul>
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li><b>A report at least ten days before the date of the bypass, if possible.</b> The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> </ul>
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li><b>Within 24 hours</b>, an oral or electronic notification.</li> <li><b>Within 7 calendar days</b>, a report that includes an evaluation of the quality and effect of the bypass.</li> </ul>
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none"> <li><b>Within 24 hours</b>, an oral or electronic notification.</li> <li><b>Within 7 calendar days</b>, 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 recurrence of the noncompliance. [40 CFR 122.41(l)(6).</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19



GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.	
Revisions	Description Date
Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
Checked By	D-07
Sheet Title	
NPDES SHEET	

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

NEW BUILDING & SITE DEVELOPMENT FOR:

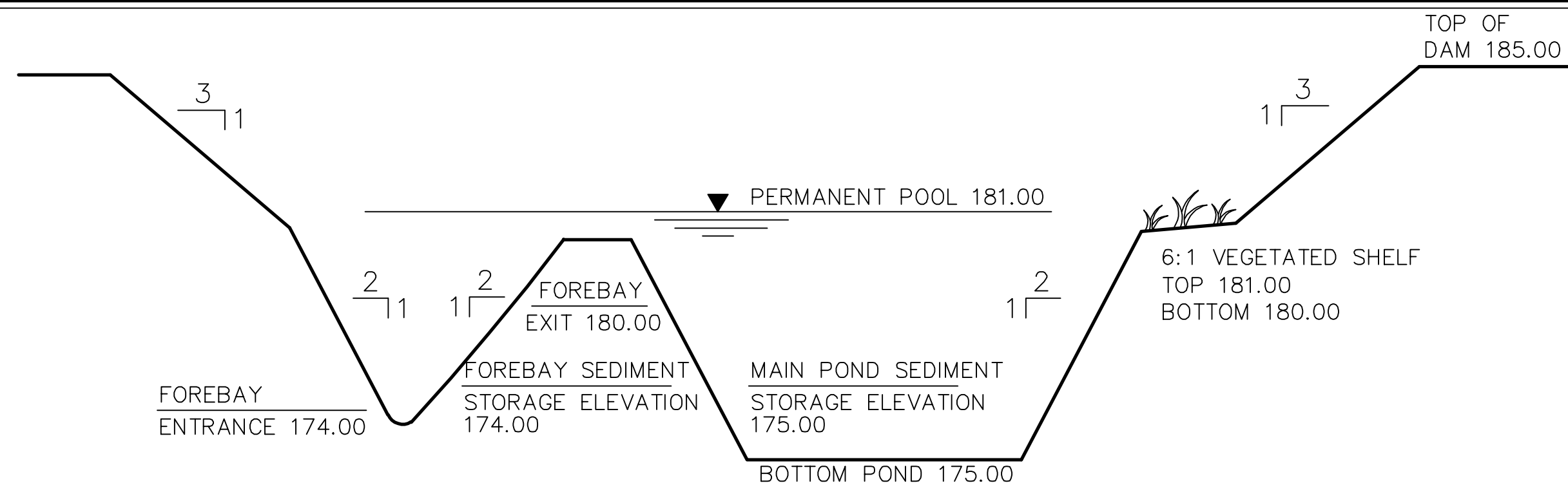
CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE

PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657



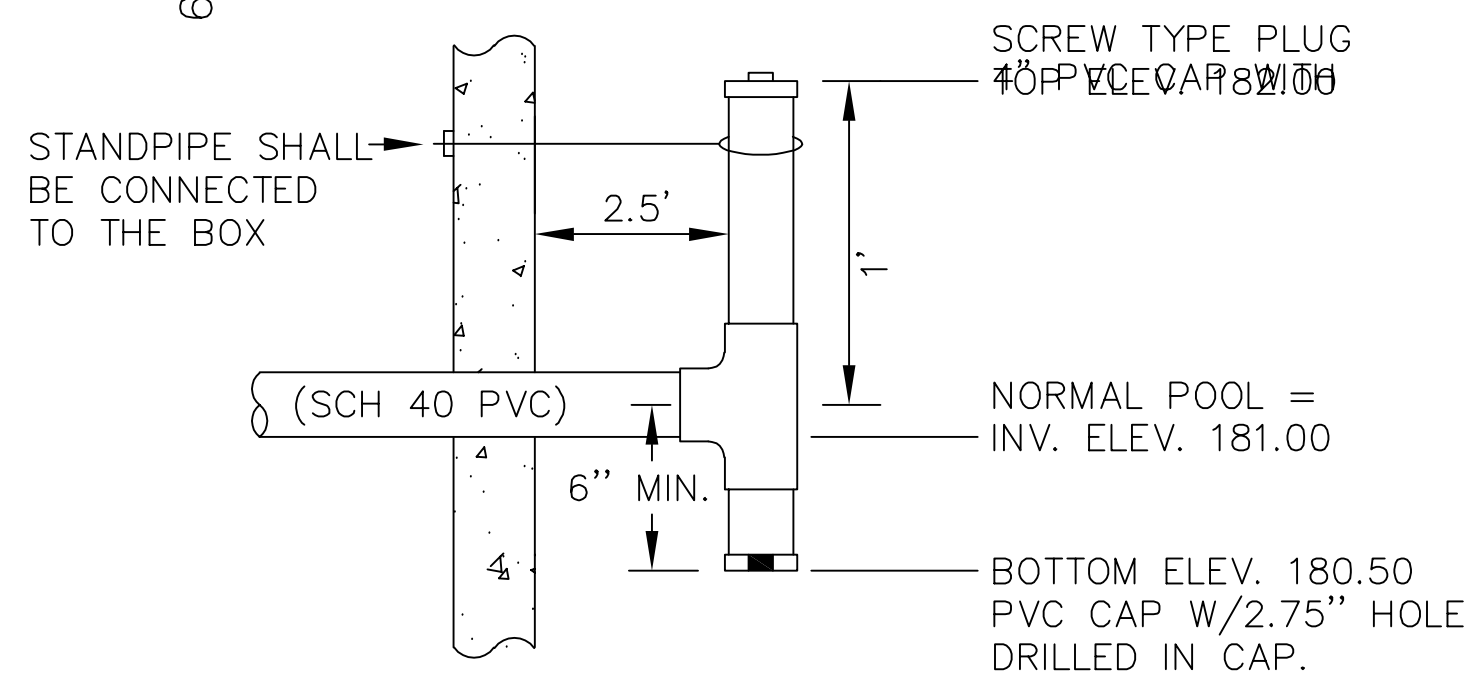
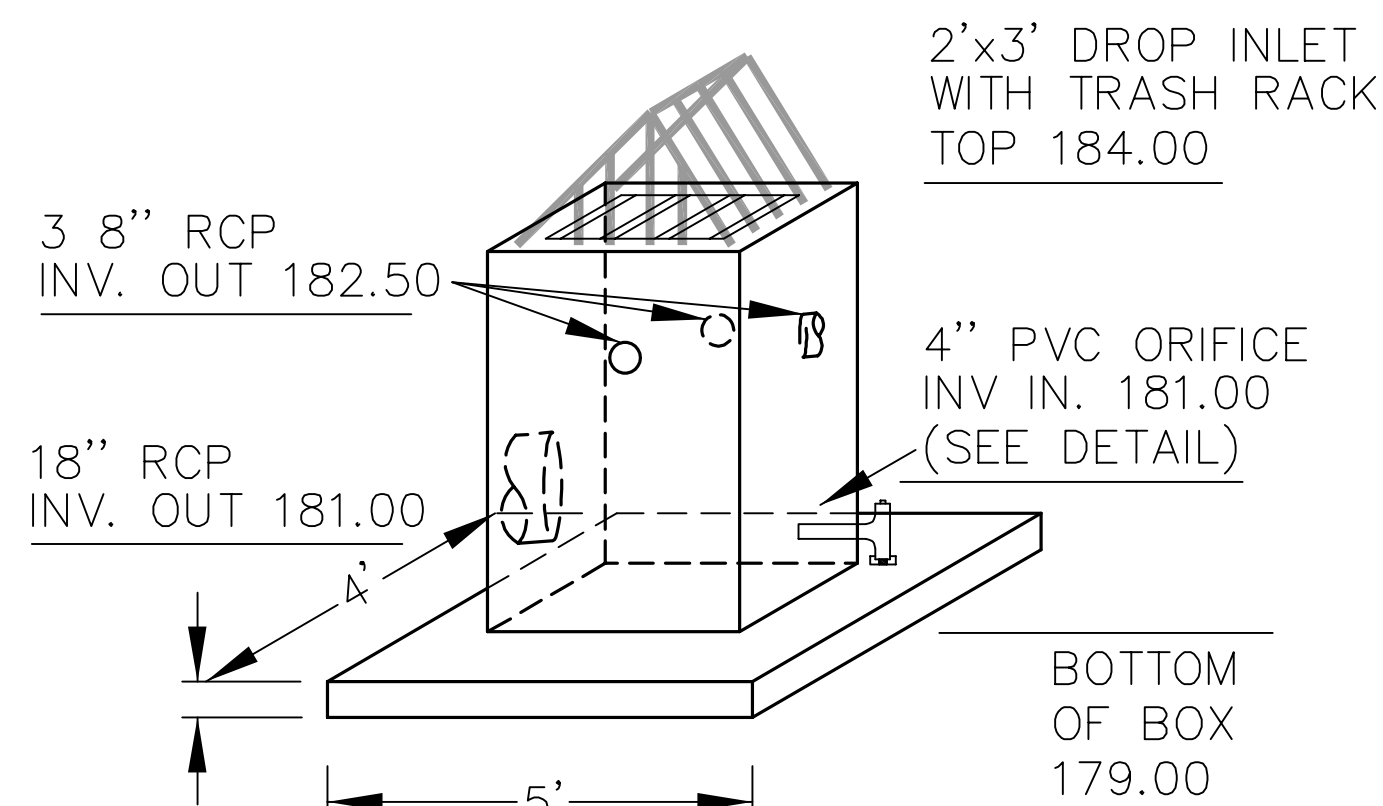
BLN-C-1874 SE JOB #2022-073





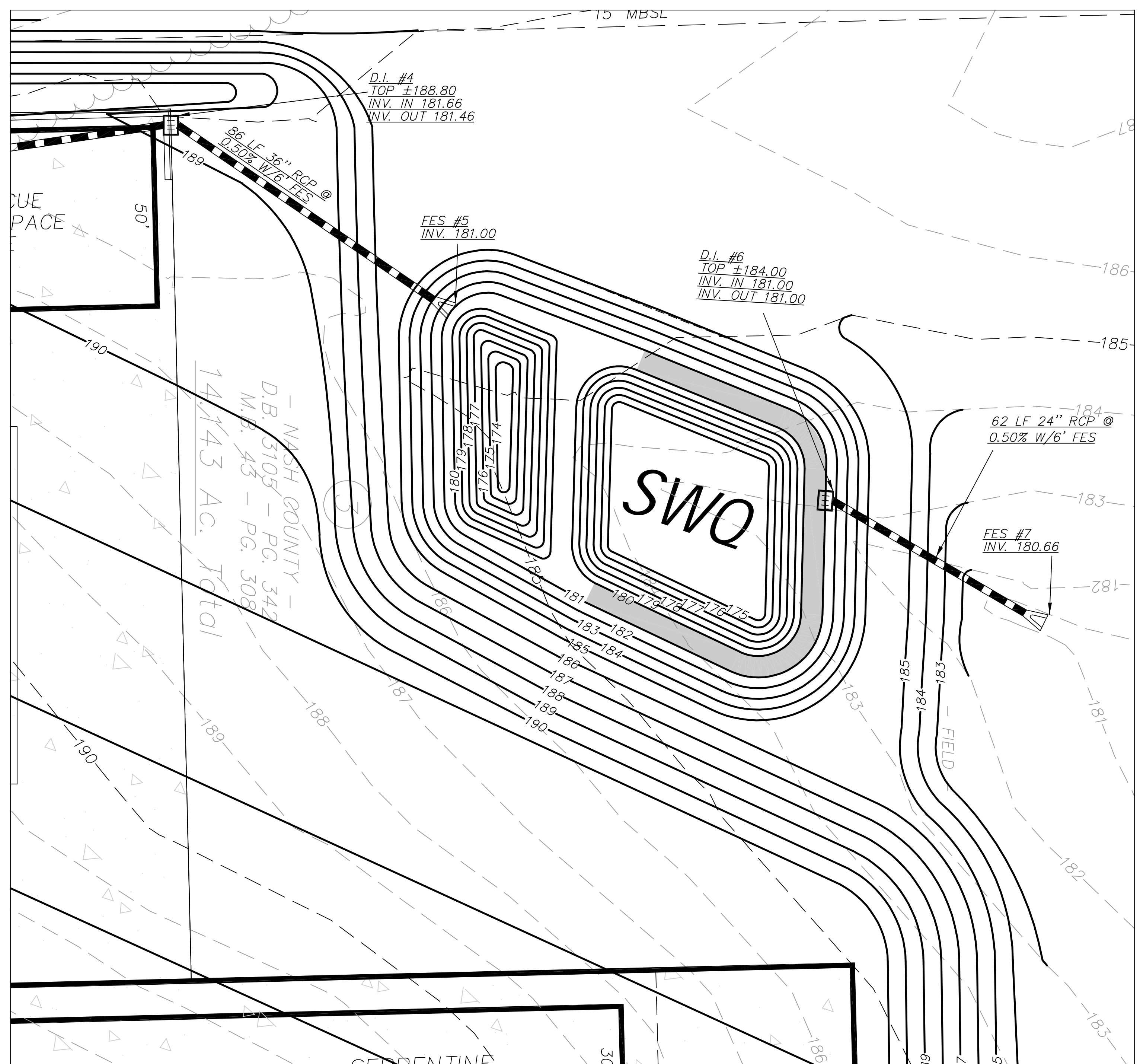
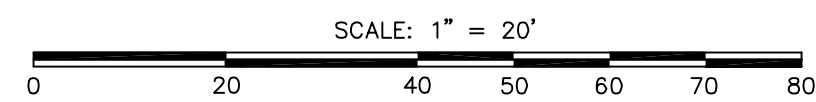
**WET DETENTION POND PROFILE**

NOT TO SCALE



**Conversion Procedure  
Sediment Basin to Wet Detention Pond**

1. After the site is completely stabilized, contact Stocks Engineering @ 252-459-8196 for verification of completion and stabilization.
2. Contact DEQ for approval to remove all temporary erosion control measures.
3. Upon approval from NC DEQ, begin the conversion of the wet pond from a temporary sediment trap to a permanent BMP as follows.
4. If standing water is in the basin, contractor shall pump the water out discharging through a silt bag.
5. Remove the skimmer which is connected to the riser and convert to the permanent orifice as shown below in detail.
6. Bring the side slopes surrounding the pond and vegetated shelf to the proposed grade.
7. Contractor shall verify pond depth and muck out sediment to the design depth of the pond.
8. Excavated material must be disposed of in an approved off-site location.
9. Care must be taken to prevent any sedimentation/re-sedimentation during this process, as sediment deposits in the bottom of the pond may affect the depth. If any sedimentation occurs during this process, Contractor shall remove sediment immediately.
10. Contact Stocks Engineering @ 252-459-8196 to inspect excavated pond before continuing construction.
11. Upon approval of Stocks Engineering, continue constructing pond per details. Establish appropriate permanent vegetation around pond as soon as possible.
12. Upon completion of pond construction, remove sediment from silt fence and dispose of at an approved off-site location. Plant vegetated shelf and seed and mulch side slopes.
13. Contact Stocks Engineering @ 252-459-8196 to inspect completed pond before placing pond in service.



**STAGE/STORAGE TABLE**

STAGE	ELEVATION	CONTOUR AREA (SF)	INCREMENTAL STORAGE (CF)	TOTAL STORAGE (CF)
0	181.00	7,945	0	0
1.00	182.00	9,021	8,483	8,483
2.00	183.00	10,153	9,587	18,070
3.00	184.00	11,342	10,748	28,818
4.00	185.00	12,587	11,965	40,782

NOTE:  
VEGETATED SHELF MUST HAVE 6 IN OF TOPSOIL AS THE TOP LAYER OF MATERIAL

NOTE:  
CONTRACTOR TO COMPACT BOTTOM OF POND TO ENSURE INFILTRATION IS LESS THAN 0.01 IN./HR.

NOTE:  
A PORTABLE PUMP SHALL BE USED FOR PUMP DOWN AND MAINTENANCE.

**VEGETATED SHELF LANDSCAPE PLAN**

VEGETATED SHELF = 1,059 S.F.

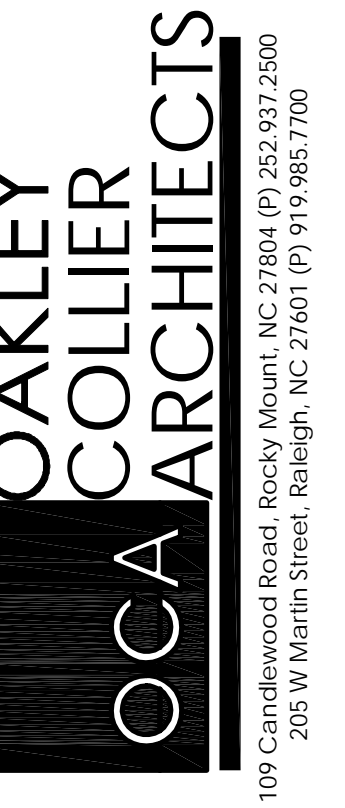
ALL PLANTS SHALL BE 3" CONTAINER PLANTS, THERE SHALL BE A MINIMUM OF 3 PLANT SPECIES, AND A MINIMUM OF 50 PLANTS PER 200 SF OF VEGETATED SHELF.

**BELOW PERMANENT POOL**

Botanical Name	Common Name	QTY.
Iris virginica	Blue flag iris	89
Helianthus augustifolius	Swamp Sunflower	89
Peltandra virginica	Arrow arum	89

**POND SIDE SLOPES**

Vegetate w/Centipede Seed @ a rate of 60 lbs./Ac.



NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

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

Revisions	Description	Date

Date: 08.25.23  
Project No: 21056

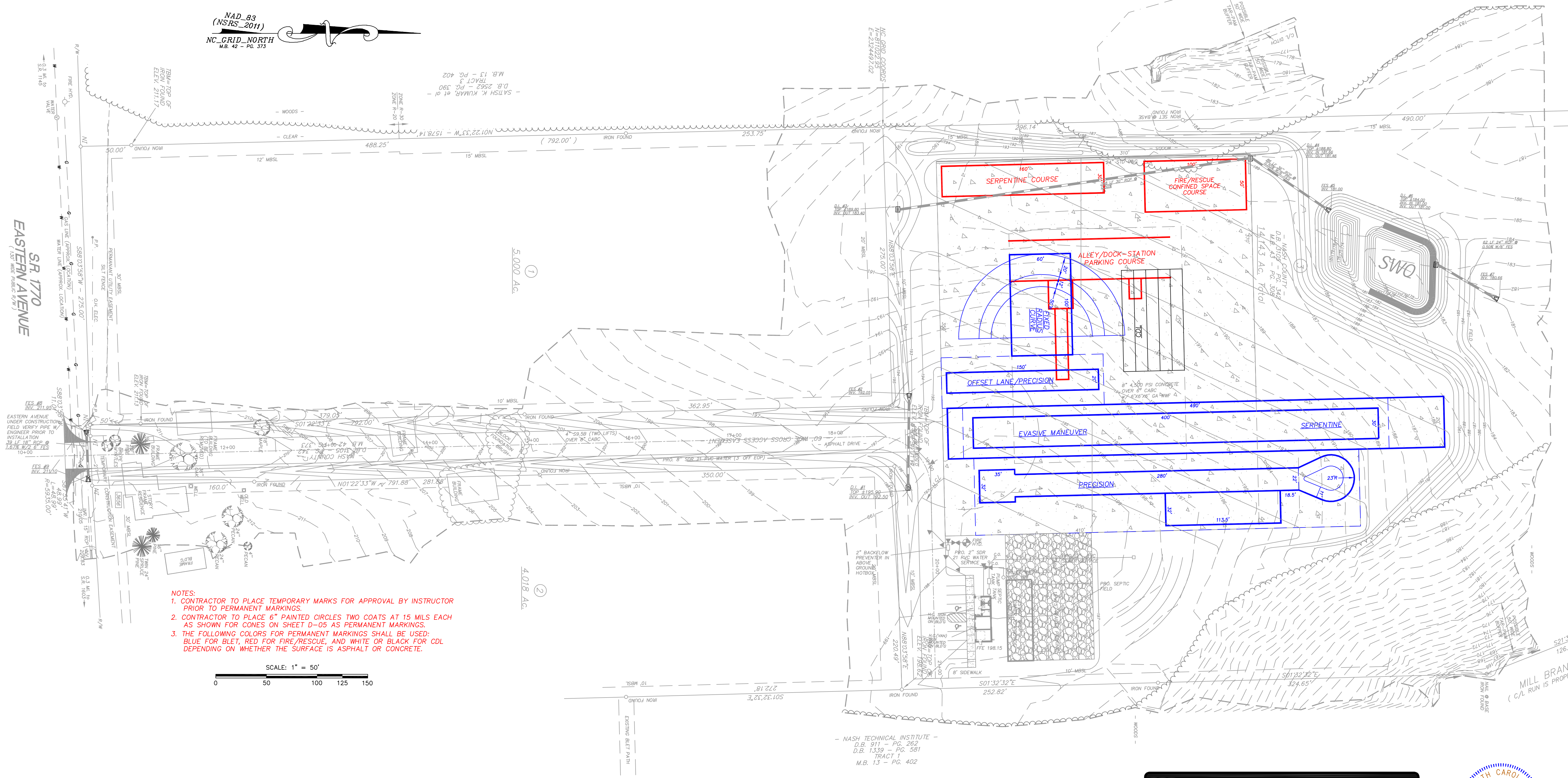
Drawn By: [Blank]  
Sheet No: [Blank]

Checked By: D-08

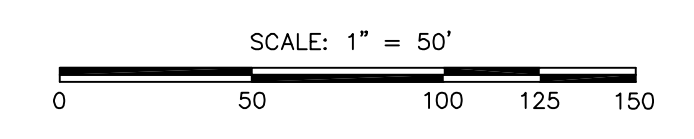
Sheet Title:  
**WET POND PLAN**

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

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



- NOTES:**
1. CONTRACTOR TO PLACE TEMPORARY MARKS FOR APPROVAL BY INSTRUCTOR PRIOR TO PERMANENT MARKINGS.
  2. CONTRACTOR TO PLACE 6" PAINTED CIRCLES TWO COATS AT 15 MILS EACH AS SHOWN FOR CONES ON SHEET D-05 AS PERMANENT MARKINGS.
  3. THE FOLLOWING COLORS FOR PERMANENT MARKINGS SHALL BE USED: BLUE FOR BLEI, RED FOR FIRE/RESCUE, AND WHITE OR BLACK FOR CDL DEPENDING ON WHETHER THE SURFACE IS ASPHALT OR CONCRETE.



NAD\_83  
(NARS\_2011)  
NC\_CRID\_NORTH  
M.B. 42 - PG. 373

**S.R. 1770  
EASTERN AVENUE**  
(100' WIDE, ADJAC. 1/4")

- NASH TECHNICAL INSTITUTE -  
D.B. 911 - PG. 269  
O.B. 1339 - PG. 581  
TRACT 1  
M.B. 13 - PG. 402

**STOCKS ENGINEERING**

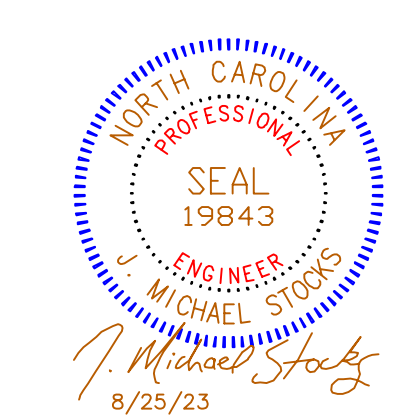
801 EAST WASHINGTON STREET  
NASHVILLE, N.C. 27856

P.O. BOX 1108  
PHONE: (252) 459-8196

WWW.STOCKSENGINEERING.COM

BLN=C-1874

SE JOB #2022-073



**OAKLEY COLLIER ARCHITECTS**  
OCA ARCHITECTS

108 Campbellwood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.865.7700

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE**

PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.		
Revisions	Description	Date
Date	Project No.	
08.25.23	21056	
Drawn By	Sheet No.	
	D-09	
Checked By		
Sheet Title		
	COLORED STRIPING PLAN	

### STRUCTURAL NOTES

#### GENERAL

- NOTES LISTED ARE NOT INTENDED TO REPLACE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE STRUCTURAL NOTES AND FOUNDATION NOTES.
- "U.N.O." MEANS UNLESS NOTED OTHERWISE.
- DESIGN LIVE LOADS:
 

ROOF	20 PSF
GROUND SNOW LOAD	15 PSF
SNOW EXPOSURE FACTOR	1.0
SNOW LOAD IMPORTANCE FACTOR	1.0
THERMAL FACTOR	1.0
- WIND DESIGN CRITERIA:
 

BASIC WIND SPEED	115 MPH
IMPORTANCE FACTOR	1.0
WIND EXPOSURE CATEGORY	B
- SEISMIC DESIGN CRITERIA:
 

IMPORTANCE FACTOR	1.0
RISK CATEGORY	II
SPECTRAL RESPONSE ACCELERATION $S_s$	12.9%g
$S_1$	6.5%g
SITE CLASS	D
SEISMIC DESIGN CATEGORY	B

- ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTORS RESPONSIBILITY. CONSULT ARCHITECT IN CASE OF QUESTIONS.

#### FOUNDATIONS

- ALLOWABLE DESIGN SOIL BEARING PRESSURE OF 1,500 PSF ASSUMED SHALL BE VERIFIED IN THE FIELD BEFORE START OF CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE ARCHITECT IN ORDER TO REACH FIRM SOIL.
- COMPACT ALL FILL UNDER BUILDING TO 98 PERCENT MAXIMUM DENSITY AS DETERMINED BY ASTM D698. PLACE IN LAYERS 8" MAXIMUM LOOSE THICKNESS. VERIFY FIELD DENSITY, ASTM D1556, WITH AT LEAST ONE TEST PER 1,000 SQUARE FOOT PER LAYER.

#### CONCRETE

- CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS = 3,000 PSI.
- REINFORCING: ASTM A615 - STIRRUPS AND TIES GRADE 40, ELSEWHERE GRADE 60.
- GROUT UNDER BASE PLATES SHALL BE NON-SHRINKING TYPE AS APPROVED BY THE ARCHITECT.
- BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES 48 TIMES THE BAR DIAMETER, U.N.O.
- COVERAGE FROM FACE OF CONCRETE TO STEEL:
  - FOOTINGS: 3 INCHES
  - SLABS EXPOSED TO EARTH AND WEATHER: 1 1/2 INCHES
- PROVIDE WWF IN ALL SLABS ON GROUND, PLACE WWF AT MID DEPTH OF SLAB, TYPICAL U.N.O.:
  - 4" SLAB: 6 X 6 - W1.4 X W1.4
- ALL EXPANSION STRIPS SHALL BE 1/2" THICK U.N.O.

#### STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
  - STRUCTURAL STEEL SHAPES, PLATES AND BARS: ASTM A36.
  - ANCHOR BOLTS: ASTM A307.
- DESIGN, FABRICATION AND ERECTION: AISC SPECIFICATIONS FOR BUILDINGS.
- CONNECTIONS NOT DETAILED SHALL BE DESIGNED FOR LOADS SHOWN ON DRAWINGS OR FOR LOADS GIVEN IN STANDARD AISC LOAD TABLES FOR SPAN, SECTION AND STRENGTH SPECIFIED. BOLTED CONNECTIONS WITH 3/4" DIAMETER A325 BOLTS U.N.O. TIGHTEN NUTS TO A MINIMUM OF 200 FT-LB OF TORQUE.
- WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1 AND SHALL BE MADE ONLY BY OPERATORS CERTIFIED BY THE STANDARD QUALIFICATION PROCEDURE OF THE AMERICAN WELDING SOCIETY FOR THE TYPE OF WELD REQUIRED.
- RETURN ALL WELDS AT THE CORNERS TWICE THE NORMAL SIZE OF THE WELD MINIMUM.
- WHERE PLATES ARE FILLET WELDED TO MEMBERS AND NO WELD SIZE IS SPECIFIED PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF PLATE AS FOLLOWS:
 

PLATE	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"
WELD	3/16"	3/16"	3/16"	1/4"	1/4"	5/16"	3/8"	7/16"
- PROVIDE HOLES FOR BLOCKING AS PER ARCHITECTS DRAWINGS.

#### STRUCTURAL MASONRY

- MASONRY WALLS, FOUNDATION WALLS, AND OTHER MASONRY SO DESIGNATED ON THE DRAWINGS ARE CONSIDERED HERE TO BE STRUCTURAL MASONRY.
- COMPRESSIVE STRENGTH OF MASONRY UNITS:
  - CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, TYPE II AND BE MADE WITH LIGHTWEIGHT AGGREGATE.
  - SOLID CLAY UNITS: 8,000 PSI
  - CONCRETE UNITS: 2,000 PSI ON NET AREA
- MORTAR - TYPE S ASTM C 270, AGGREGATE FOR MORTAR SHALL COMPLY WITH ASTM C 144.
- MORTAR FOR REINFORCED MASONRY - TYPE S ASTM C 270.
- GROUT FOR REINFORCED MASONRY: 9" TO 11" SLUMP, 3/8" MAXIMUM SIZE PER GRAVEL. CONCRETE FOR GROUT SPACE 3"X4" AND GREATER, 5" SLUMP FINE GROUT ASTM C478 FOR GROUT SPACE 2"X4" TO 3"X4". COMPRESSIVE STRENGTH - 3000 PSI.
- PROVIDE CLEAN-OUT OPENINGS AT THE BOTTOM OF EACH GROUT LIFT. CLEAN-OUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO FILLED WITH GROUT.
- REINFORCING GRADE AND DETAILS AS FOR CONCRETE. TIE IN POSITION AND PLACE CONCRETE AROUND REINFORCING URING CONSTRUCTION OF MASONRY. DO NOT PUSH REINFORCING DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET BOLTS SIMILARLY.
- PROVIDE STANDARD 9 GAGE TRUSS TYPE HORIZONTAL JOINT REINFORCING IN CMU WALLS AT 16" O.C. VERTICAL AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS.
- CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1-99 / ASCE 6-99.
- REINFORCING STEEL SHALL COMPLY WITH ASTM A-615, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE BENT OR HOOKED.

### TRUSS NOTES

- TRUSSES SHALL BE DESIGNED BY THE TRUSS MANUFACTURER. PROVIDE SEALED SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION INCLUDING THE FOLLOWING: CALCULATIONS; FRAMING PLAN INDICATING TRUSS LAYOUT AND PROFILES SHOWING TYPE, SIZE, NUMBER, LOCATION AND SPACING; SUPPLEMENTAL BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION; INSTRUCTIONS FOR INSTALLATION; CONNECTORS/FASTENERS; INDICATE ALL MATERIALS REQUIRED WHICH SHALL BE SUPPLIED BY THE CONTRACTOR.
- SHOP DRAWINGS SUBMITTED MUST BE PREPARED UNDER THE SUPERVISION OF AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENCED IN NORTH CAROLINA.
- ALL TRUSSES AND CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER'S ENGINEER. SUBMIT CALCULATIONS FOR ALL TRUSSES AND THEIR CONNECTIONS.
- ALL LUMBER AND FASTENERS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, LATEST EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION. CONFORM TO APPLICABLE PROVISIONS OF TPI SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES, LATEST EDITION.
- TRUSS DESIGN SHALL INCORPORATE LOADS INDICATED. ALL MECHANICAL EQUIPMENT AND CEILING BULKHEAD CONSTRUCTION SHOWN ON THE ARCHITECTURAL DRAWINGS. MECHANICAL EQUIPMENT LOCATIONS, SIZES AND DESIGN WEIGHTS SHALL BE DETERMINED AT SITE.
- TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM LOADS: TOP CHORD: LL=22 PSF AT ROOF. AS REQUIRED BY BUILDING CODE OR AS INDICATED ON DRAWINGS, WHICHEVER IS GREATER; DL=10 PSF AT ROOF; DL=20 PSF AT FLOORS; BOTTOM CHORD: DL=10 PSF.
- TRUSS DESIGN SHALL CALCULATE UPLIFT LOADS BASED ON THE WIND LOAD CRITERIA LISTED IN THESE GENERAL NOTES AND AS REQUIRED BY CODE.
- TRUSS CHORDS AND WEBS SHALL BE DOUGLAS FIR OR SOUTHERN PINE, PS 20, GRADED TO NFPA RULES: MAXIMUM MOISTURE CONTENT = 19%, MINIMUM GRADE OF CHORD = NO. 2; MINIMUM GRADE OF WEB MEMBERS = NO. 3.
- ALL TRUSSES SHALL BE DESIGNED FOR THE ACTUAL DEAD LOAD AND LIVE LOAD. MAXIMUM DEFLECTION DUE TO LIVE LOAD ONLY SHALL NOT EXCEED L/360. MAXIMUM DEFLECTION DUE TO TOTAL LOAD SHALL NOT EXCEED L/240.
- PROVIDE ALL NECESSARY TEMPORARY BRACING AND SUPPORTS FOR SAFE AND PROPER INSTALLATION OF TRUSSES AS RECOMMENDED BY THE TRUSS MANUFACTURER UNTIL THE ERECTION IS COMPLETE.
- TRUSS PROFILES ARE SHOWN FOR GRAPHIC PURPOSES ONLY. ACTUAL SIZES AND CONFIGURATIONS SHALL BE DESIGNED BY THE TRUSS MANUFACTURER. CLEAR OPENING AREAS INDICATED ON THE PROFILES SHALL BE INCORPORATED IN THE TRUSS DESIGN.
- STORE AND PROTECT TRUSSES AT SITE AS RECOMMENDED BY THE MANUFACTURER.
- BROKEN OR DAMAGED TRUSSES SHALL NOT BE USED UNLESS APPROVED IN WRITING, PRIOR TO USE, BY THE TRUSS MANUFACTURER AND SEALED BY THE ENGINEER.
- NO FIELD ALTERATIONS OF TRUSSES SHALL BE MADE UNLESS APPROVED IN WRITING, PRIOR TO ALTERATION, BY THE TRUSS MANUFACTURER AND SEALED BY THE ENGINEER.
- PROVIDE MINIMUM (1) ONE SIMPSON "H1" HURRICANE CLIP AT EACH END OF EACH MONO TRUSS AND CONVENTIONAL FRAMING UNLESS SPECIFIED OTHERWISE BY TRUSS DESIGNER.
- PROVIDE MINIMUM (2) TWO SIMPSON "H2A" HURRICANE CLIPS AT EACH END OF EACH MULTIPLE TRUSS UNLESS SPECIFIED OTHERWISE BY TRUSS DESIGNER.

#### FRAMING SCHEDULE

INTERIOR FRAMING:	NON LOAD BEARING: 2X4 (OR 2X6 AS INDICATED ON WALL LEGEND, #2 SYP STUDS AT 16" O.C. WITH SOLID BLOCKING AT MID-POINTS AND AT CEILING LINE
EXTERIOR FRAMING:	2"X6" #2 SYP STUDS AT 16" O.C. WITH SOLID BLOCKING AT MID-POINTS AND AT CEILING LINE
WALL SHEATHING:	1/2" APA RATED CDX PLYWOOD 8d NAILS, EDGE-6" O.C., FIELD-12" O.C. - 2"X4" #2 SYP SOLID BLOCKING AT ALL PANEL EDGES.
ROOF DECKING:	5/8" APA RATED CDX PLYWOOD 10d NAILS, EDGE-6" O.C., FIELD-12" O.C. - 2"X4" #2 SYP SOLID BLOCKING OR CLIPS AT MIDSPAN AT ALL PANEL EDGES
LEDGERS/FRAMING:	NO. 2 DENSE KD SOUTHERN YELLOW PINE OR NO. 2 DOUGLAS FIR (MIN fb=1250)

#### HEADER SCHEDULE

MARK	OPENING	SIZE	JACK	JAMB
H1	0'-0" TO 5'-0"	(2) 2 X 8 #2 SYP	2	2
H2	5'-1" TO 8'-0"	(2) 2 X 10 #2 SYP	2	3

ALL HEADERS SHALL BE SIZED TO FIT WALL AND BE SPIKED TOGETHER WITH 16d NAILS AT 12" O.C. STAGGERED WITH (2) EACH END MINIMUM.

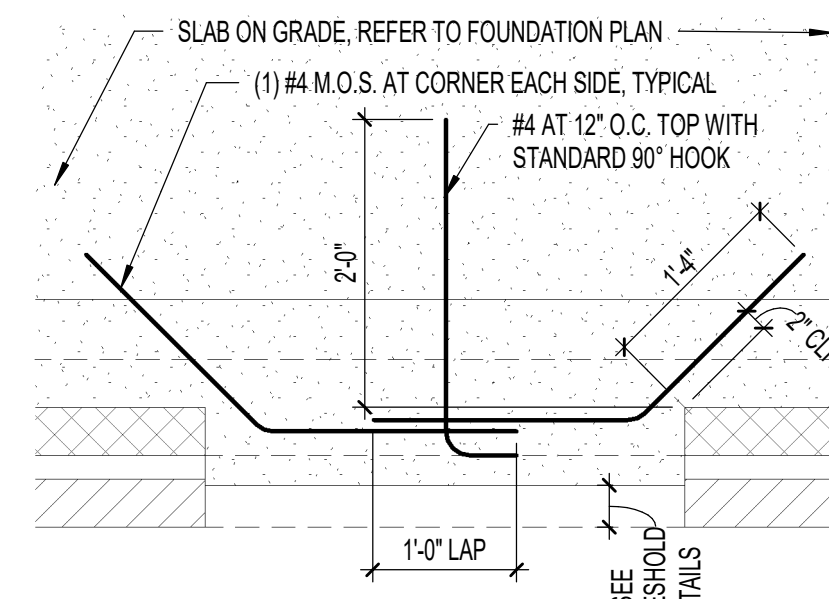
PROVIDE JACK AND JAMB STUDS AT EACH IHEADER LOCATION AS SCHEDULED UNLESS NOTED OTHERWISE ON ARCHITECTURAL.

#### BEAM SCHEDULE

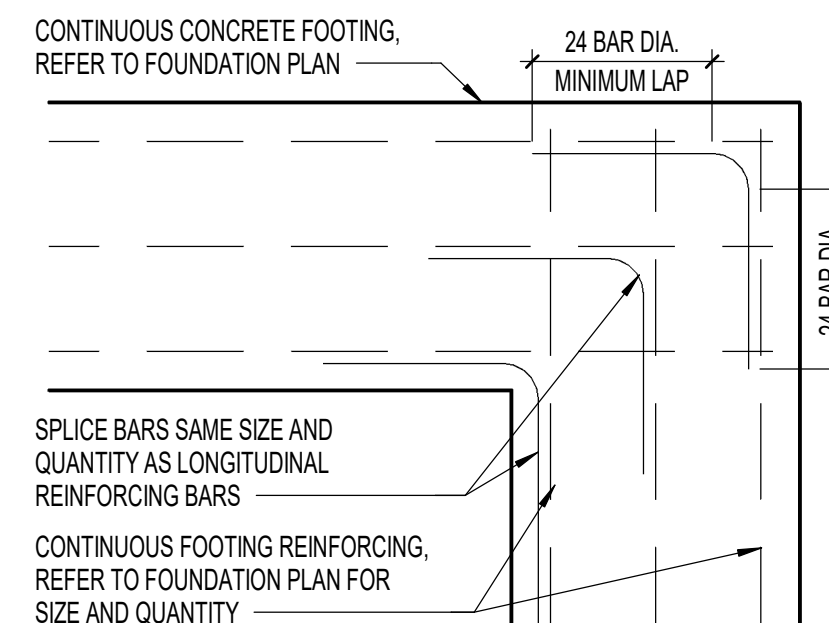
MARK	SIZE	TOP OF BEAM	BEARING
B1	(3) 11 1/4" X 1 3/4" 2.0E LVL	SEE SECTION	1 1/2" MIN.
B2	(1) 11 1/4" X 1 3/4" 2.0E LVL	SEE SECTION	1 1/2" MIN.

### FOUNDATION NOTES

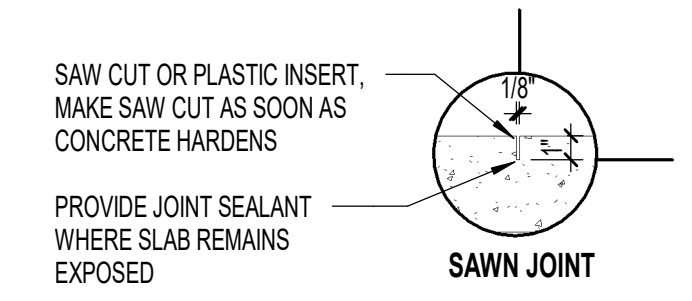
- DESIGN SOIL BEARING PRESSURE - 1,500 PSF ASSUMED.
- CLEAR ALL TOP SOIL, ROOT MAT, VEGETATION, DEBRIS, AND OTHER UNSUITABLE MATERIAL FROM CONSTRUCTION AREAS.
- BOTTOM OF ALL FOOTING SHALL BEAR ON SUITABLE NATURAL SOIL OR PROPERLY COMPACTED STRUCTURAL FILL. FOOTINGS SHALL BEAR A MINIMUM OF 16" BELOW FINISHED GRADES FOR FROST PROTECTION AND PROTECTIVE EMBEDMENT.
- ALL FOOTINGS SHALL BE INSPECTED AND APPROVED BY GOVERNING AGENCY PRIOR TO PLACING CONCRETE.
- EXCAVATIONS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FOUNDATION CONCRETE.
- ALL CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS UNLESS OTHERWISE NOTED.
- BACKFILLING:
  - BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY. NO FILL OR BACKFILL SHALL BE SETTLED BY THE USE OF WATER.
- CAST IN PLACE CONCRETE:
  - COMPLY WITH AMERICAN CONCRETE INSTITUTE (ACI) ACI 318-99 AND ACI 318R-99.
  - FLOOR SLAB ON GRADE CONSTRUCTION:
    - 4 INCH THICK 3000 PSI CONCRETE SLAB REINFORCED WITH 6 X 6 - W1.4 X W1.4 WWF AT MID DEPTH.
- PROVIDE A MINIMUM OF 4" #57 STONE FILL BELOW ALL SLABS ON GRADE - 15 MIL MINIMUM, TYPICAL.
- PROVIDE REINFORCED VAPOR RETARDER BELOW ALL SLABS ON GRADE - 15 MIL MINIMUM, TYPICAL.
- SEE ELECTRICAL PLANS FOR CONDUIT LOCATIONS.
- SEE PLUMBING PLANS FOR LOCATIONS OF PIPING RUNS.
- TREAT SOIL UNDER SLAB WITH PROPER TERMITE PROTECTION.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE TREATED.
- REFER TO SITE PLAN FOR LOCATIONS OF SIDEWALKS, CURBS, ACCESSIBLE RAMPS AND ALL OTHER SITE RELATED WORK.
- REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS PER ASTM A615 GRADE 60 (FOR #5 AND LARGER), GRADE 40 (FOR #4 AND SMALLER).
- WELDED WIRE FABRIC SHALL BE ASTM A 185, WELDED STEEL WIRE FABRIC, PROVIDE SHEET TYPE - ROLL TYPE NOT ACCEPTABLE.



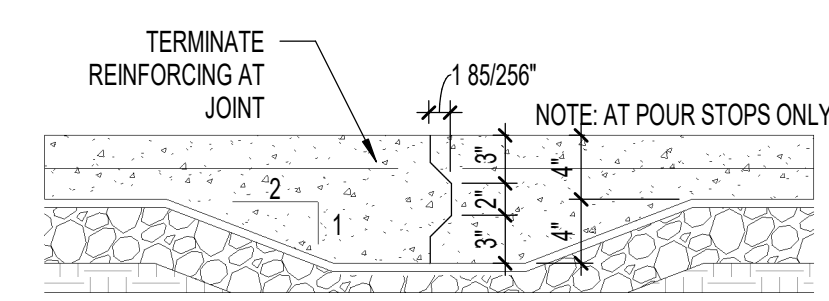
5  
A1.1  
3/4" = 1'-0"



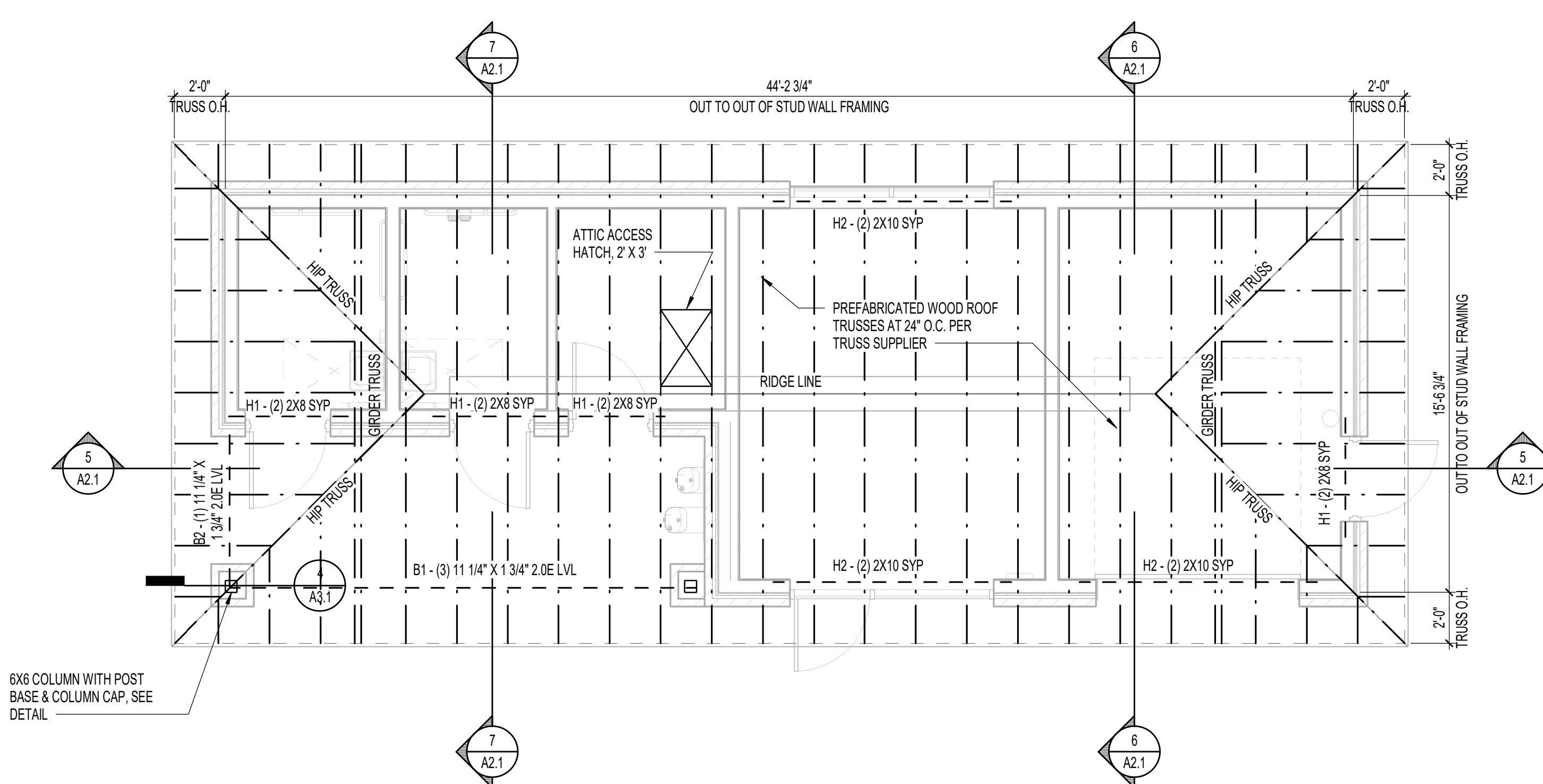
4  
A1.1  
3/4" = 1'-0"



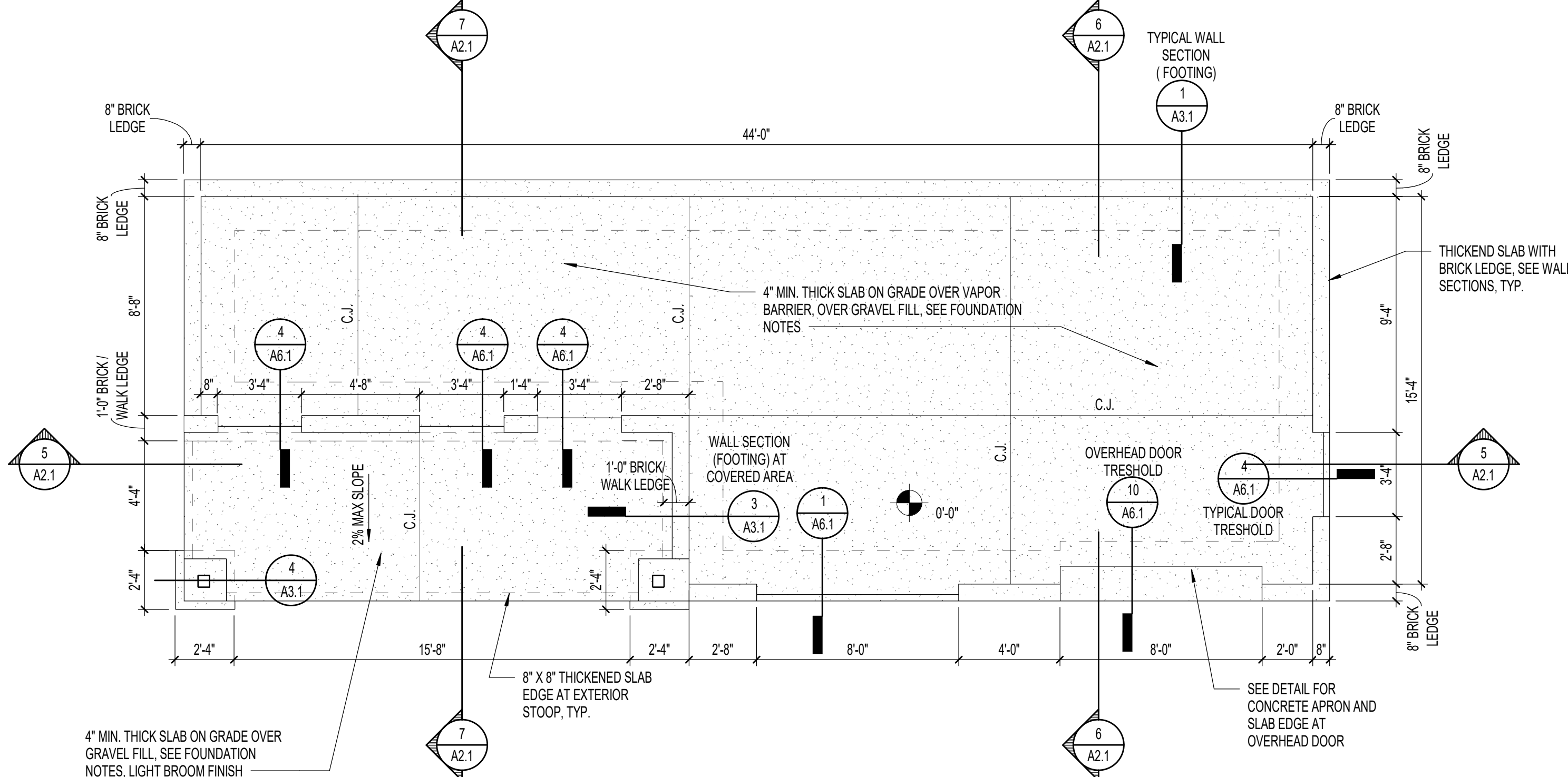
6  
A1.1  
1 1/2" = 1'-0"



3  
A1.1  
1" = 1'-0"



2  
A1.1  
1/4" = 1'-0"

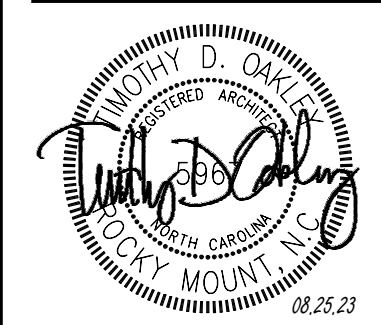


1  
A1.1  
1/4" = 1'-0"

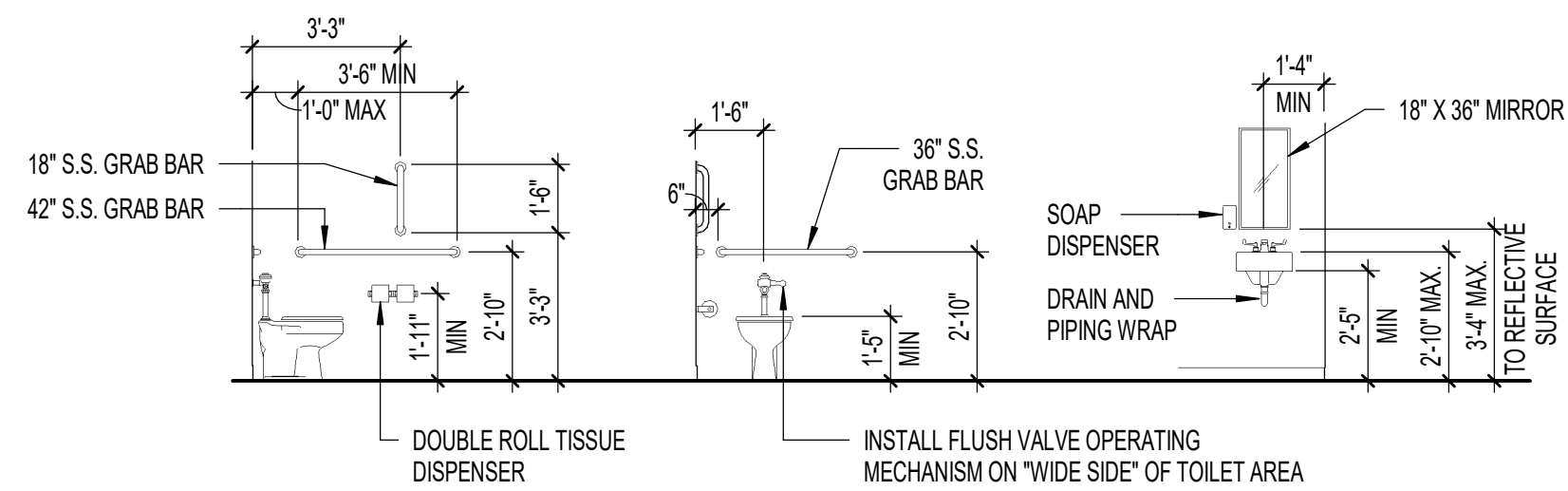
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

OAKLEY COLLIER ARCHITECTS  
OCA ARCHITECTS  
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
203 W. Martin Street, Raleigh, NC 27601 (P) 919.985.1700

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

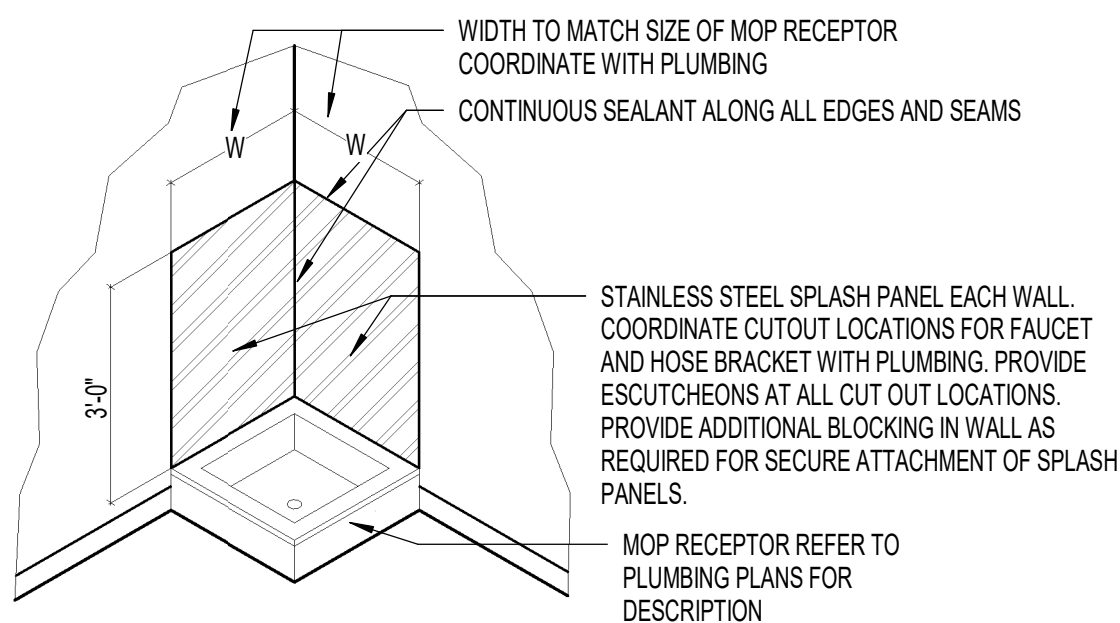


GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all Dimensions.		
Revisions	Description	Date
#		
Date	Project No.	
08.25.23	21056	
Drawn By	Sheet No.	
JCS	A1.1	
Checked By		
TDO		
Date	Project No.	
08.25.23	21056	
Drawn By	Sheet No.	
JCS	A1.1	
Checked By		
TDO		
Date	Project No.	
08.25.23	21056	
Drawn By	Sheet No.	
JCS	A1.1	
Checked By		
TDO		

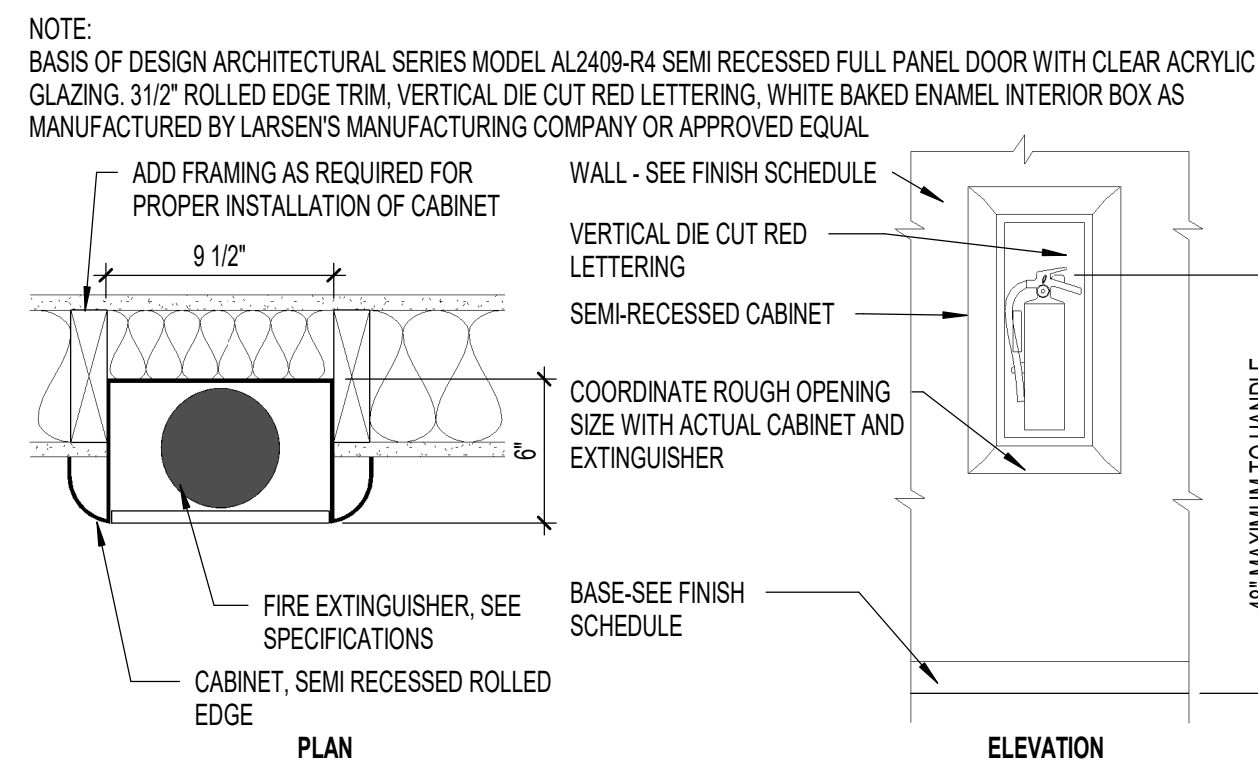


- NOTES:**
- DIMENSIONS ARE TYPICAL FOR HANDICAP ACCESSORY INSTALLATIONS. EQUIPMENT AND FIXTURE ORIENTATION MAY VARY. SEE PLAN FOR ACTUAL LAYOUT.
  - PROVIDE ALL NECESSARY BLOCKING AND ANCHORS AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL TOILET FIXTURES AND RELATED ACCESSORIES.
  - SEE PLUMBING SCHEDULE AND DETAILS FOR ALL FIXTURES AND MOUNTING HEIGHTS.
  - SEE FLOOR PLAN, AND FINISH SCHEDULE FOR WALL FINISHES. COORDINATE INSTALLATION OF ALL ITEMS WITH SPECIFIC WALL TYPES AND FINISHES.
  - ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
  - WHERE INDICATED AND AS REQUIRED TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.

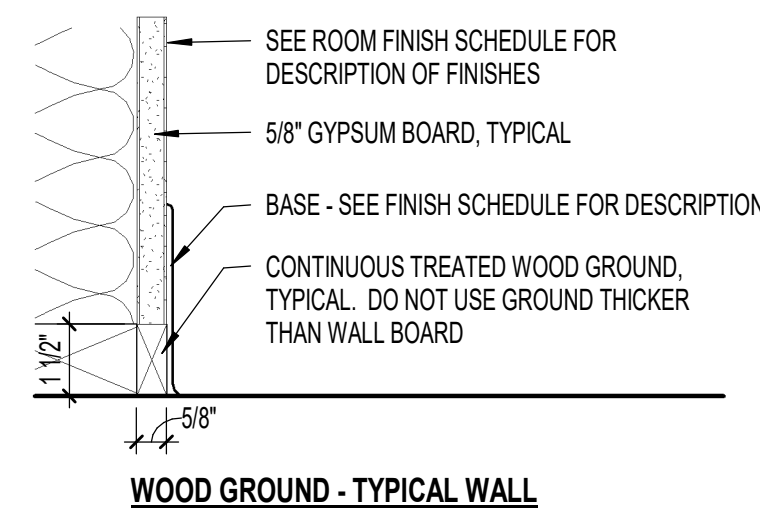
**7 H.C. TOILET ACCESSORIES INSTALLATION**  
1/4" = 1'-0"



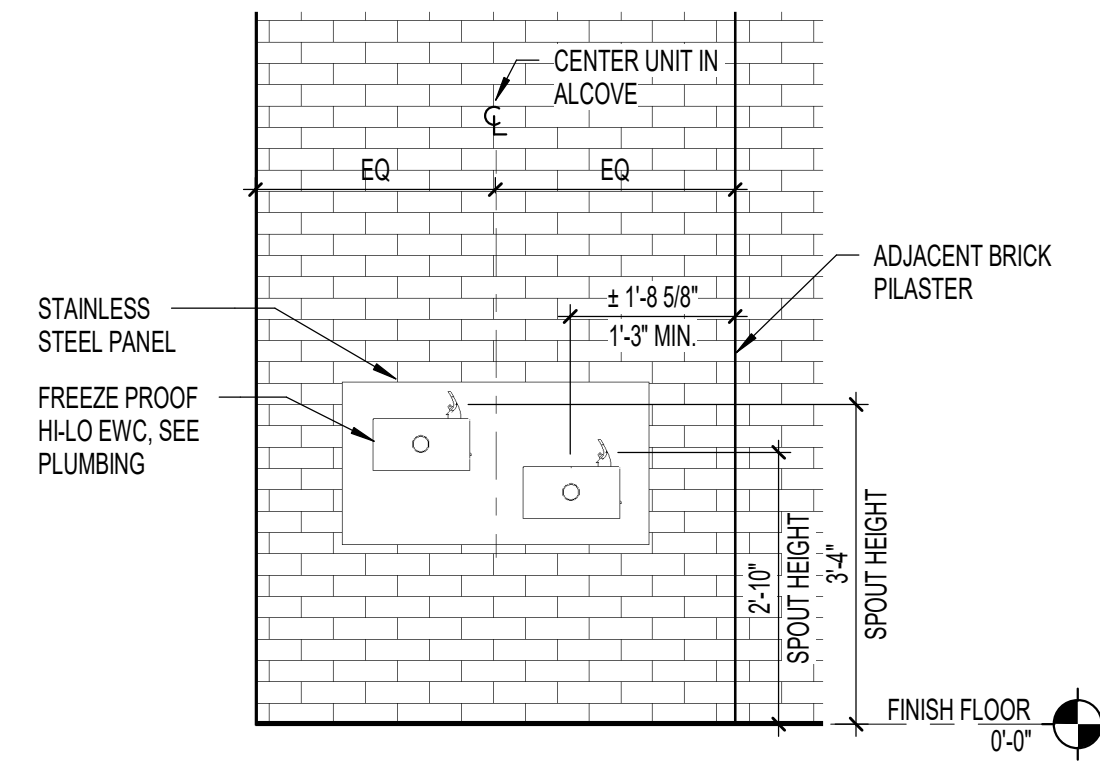
**6 SPLASH PANELS AT MOP RECEPTOR**  
3/8" = 1'-0"



**4 SEMI RECESSED FEC**  
1 1/2" = 1'-0"



**5 WOOD GROUND**  
3" = 1'-0"



**3 EXTERIOR EWC**  
1/2" = 1'-0"

**TOILET ACCESSORIES SCHEDULE**

NUMBER	DESCRIPTION	MOUNTING HEIGHT
PD	PAPER TOWEL DISPENSER	48" TO SLOT
SD	SURFACE MOUNTED SOAP DISPENSER	50 7/8" TO TOP
M	STAINLESS STEEL FRAMED MIRROR	40" TO BOTTOM
TD	DOUBLE ROLL TISSUE DISPENSER	27" C.L.
GB36	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	34" C.L.
GB42	1 1/2" DIA. X 42" S.S. GRAB BAR - PEENED	34" C.L.
GB18	1 1/2" DIA. X 18" S.S. (VERTICAL) GRAB BAR - PEENED	39" TO BOTTOM
MS	COMBINATION UTILITY SHELF / MOP & BROOM HOLDER	72" T.O. SHELF

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

**FINISH LEGEND**

WALL FINISH	FLOOR FINISH
P-1 INTERIOR FIELD PAINT 1 P-1A INTERIOR FIELD EPOXY PAINT 1	LVT LUXURY VINYL TILE PC POLISHED CONCRETE SC SEALED CONCRETE
WALL BASE	CEILING FINISH
RB-1 RUBBER BASE	GWB GYPSUM WALL BOARD, PAINTED

**FINISH PLAN NOTES**

- VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION OF FINISHES.
- TS = FURNISH AND INSTALL TRANSITION STRIP AT ALL FLOOR MATERIAL CHANGES AS SHOWN OR AS REQUIRED.
- HEIGHT AND PROFILE OF ALL TRANSITIONS STRIPS SHALL COMPLY WITH HANDICAP CODE.
- COLOR FOR ALL TRANSITION STRIPS SHALL BE AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- COORDINATE LOCATION OF ALL TRANSITION STRIPS WITH EXISTING AND NEW CONDITIONS. WHERE POSSIBLE, LOCATE TRANSITION STRIPS UNDER DOOR SLABS. NO EXPOSED SLAB PERMITTED IN FINISHED AREAS.
- COORDINATE SIZE OF ALL TRANSITION STRIPS WITH FINISH MATERIALS.

**WALL LEGEND**

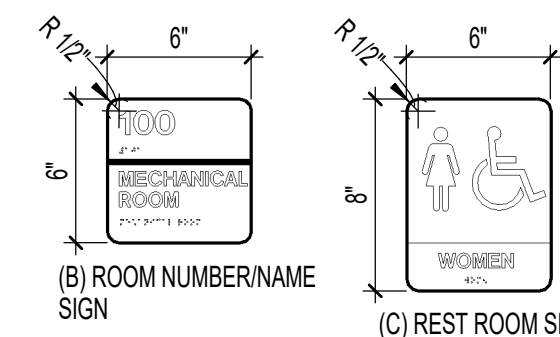
MARK	PLAN VIEW	REMARKS
1		EXTERIOR STUD WALL - TYPICAL U.N.O. TOP OF WALL = 10'-1 1/8" TRUSS BEARING
2		EXTERIOR STUD WALL - AT EXTERIOR COVERED AREA TOP OF WALL = 10'-1 1/8" TRUSS BEARING
3		EXTERIOR STUD WALL - AT DRINKING FOUNTAIN TOP OF WALL = 10'-1 1/8" TRUSS BEARING
4		EXTERIOR STUD WALL - AT DRINKING FOUNTAIN TOP OF WALL = 10'-1 1/8" TRUSS BEARING
5		EXTERIOR STUD WALL - AT DRINKING FOUNTAIN TOP OF WALL = 10'-1 1/8" TRUSS BEARING

**FINISH SCHEDULE**

ROOM #	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	SIGNAGE	COMMENTS
101	STORAGE	SC	RB	PT-1	PT-1	PT-1	PT-1	GWB	B	
102	OFFICE	LVT	RB	PT-1	PT-1	PT-1	PT-1	GWB	-	
103	JAN.	PC	RB	PT-1A	PT-1A	PT-1A	PT-1A	GWB	-	
104	MEN	PC	RB	PT-1A	PT-1A	PT-1A	PT-1A	GWB	C	
105	WOMEN	PC	RB	PT-1A	PT-1A	PT-1A	PT-1A	GWB	C	

- NOTES:**
- ALL ROOMS AND ENTRANCES TO A ROOM UNLESS NOTED OTHERWISE SHALL HAVE ONE SIGN.
  - SIGN TYPES INDICATED BY LETTER DESIGNATION, AS INDICATED, AND KEYS TO ROOM FINISH SCHEDULE.
  - ALL TOILETS SHALL HAVE A RESTROOM SIGN.
  - COORDINATE ROOM DESIGNATIONS AND NUMBERS WITH OWNER PRIOR TO ORDERING.
  - ALL SIGNAGE SHALL COMPLY WITH ALL APPLICABLE CODES.
  - ALL COMPONENTS COLORS SHALL BE AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
  - ALL SIGNS SHALL BE LOCATED ON STRIKE SIDE OF DOOR AND SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM FROM FINISH FLOOR TO BASELINE OF ALL BRAILLE CELLS. A CLEAR SPACE OF 18X18 INCHES SHALL BE LOCATED IN FRONT OF THE SIGN, CENTERED ON THE RAISED TEXT.

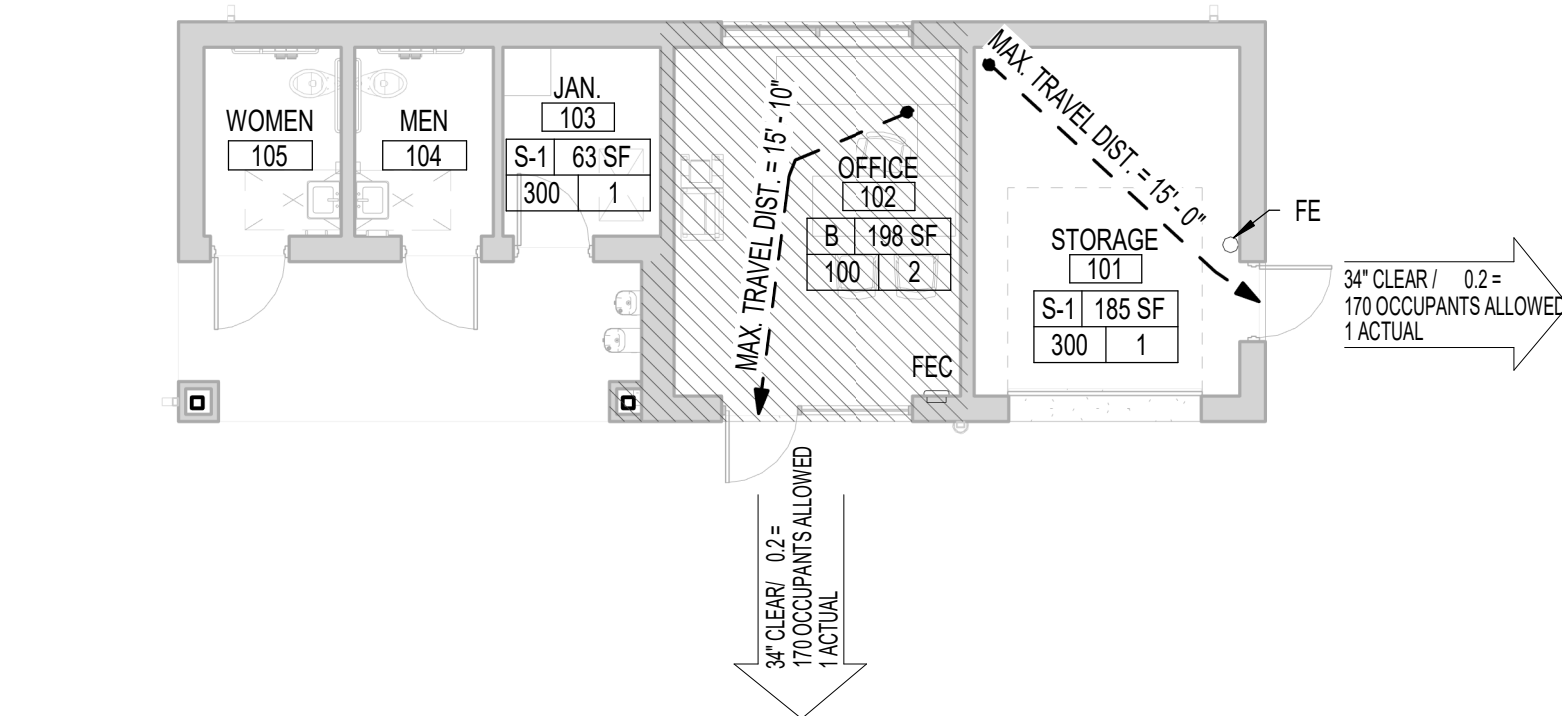
**SIGNAGE**  
1 1/2" = 1'-0"



**GENERAL FLOOR PLAN NOTES**

- DIMENSIONS THIS PLAN ARE FROM: FACE OF BRICK TO INTERIOR FACE OF STUD AT EXTERIOR WALL. INTERIOR WALL DIMENSIONS ARE FROM FACE OF STUD.
- INTERIOR WALLS ARE TO EXTEND TO BOTTOM CHORD OF WOOD ROOF TRUSSES.
- ALL DRYWALL SHALL BE 5/8", TYPE X.
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUDS FRAMED WALLS.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
- OBTAIN ALL PERMITS REQUIRED.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- REFER TO STRUCTURAL FRAMING PLAN FOR ALL STRUCTURAL HEADERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.

**2 LIFE SAFETY PLAN**  
1/8" = 1'-0"

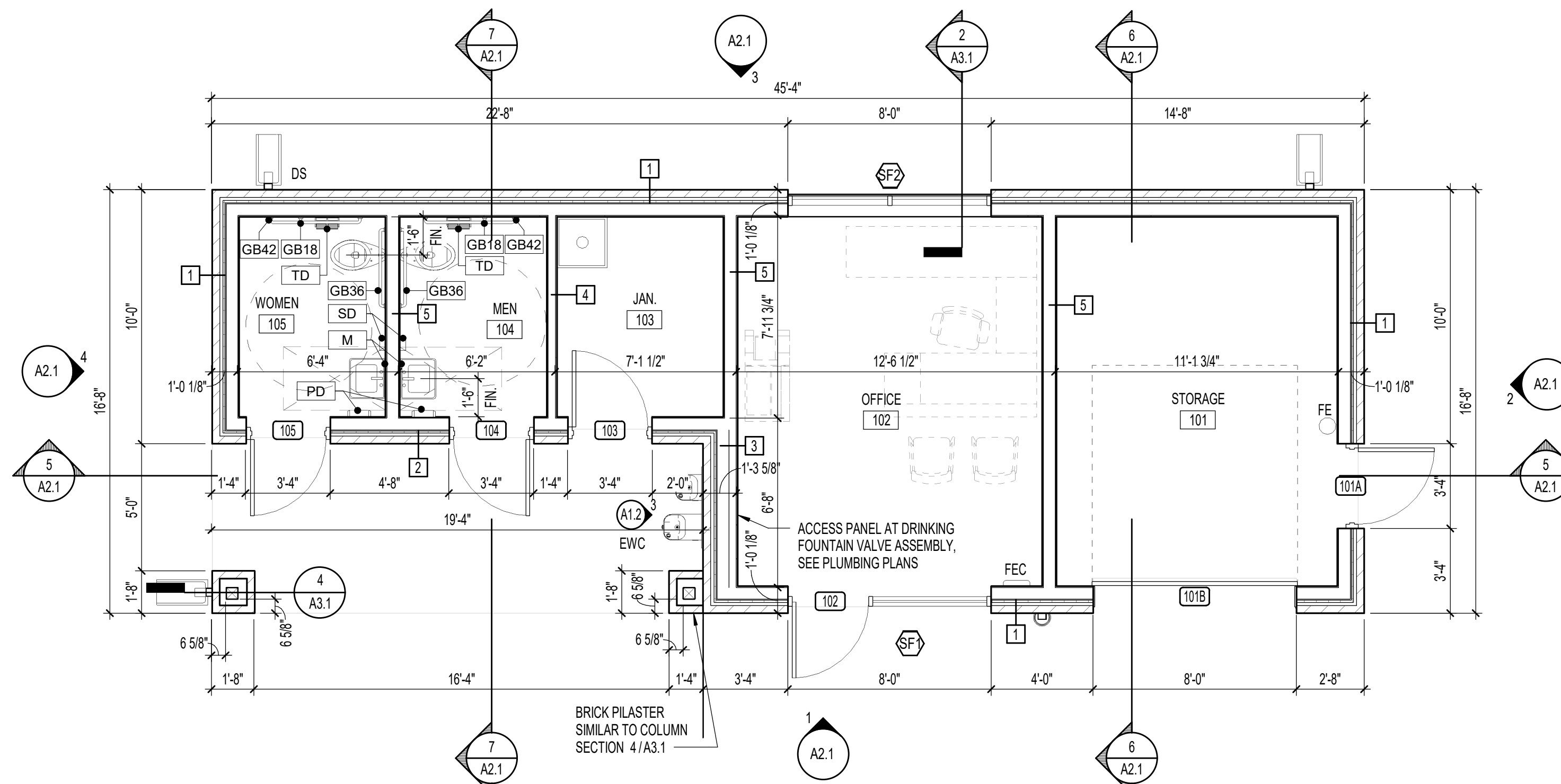


**LIFE SAFETY LEGEND**

- OCCUPANCY: X XXX (SQUARE FEET OF ROOM), XX XX (OCCUPANT LOAD), XXX (OCCUPANT LOAD FACTOR)
- EGRESS WIDTH: XX DOOR / 0.2 (EGRESS CAPACITY FACTOR), XXX OCC. ALLOWED (EGRESS CAPACITY ALLOWED), XXX ACTUAL
- ANTICIPATED EGRESS LOAD
- MAXIMUM TRAVEL DISTANCE:
  - FEC FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
  - FE FIRE EXTINGUISHER - BRACKET MOUNTED
  - EXIT SIGN (SEE NOTE 1)
  - EXIT SIGN/EMERGENCY LIGHT (SEE NOTE 1)
  - EMERGENCY LIGHT (SEE NOTE 1)

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

**1 FLOOR PLAN**  
1/4" = 1'-0"

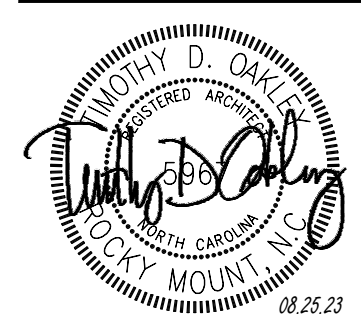


NEW BUILDING & SITE DEVELOPMENT FOR:

**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**

PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

**OAKLEY COLLIER ARCHITECTS**  
OCA ARCHITECTS  
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
203 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

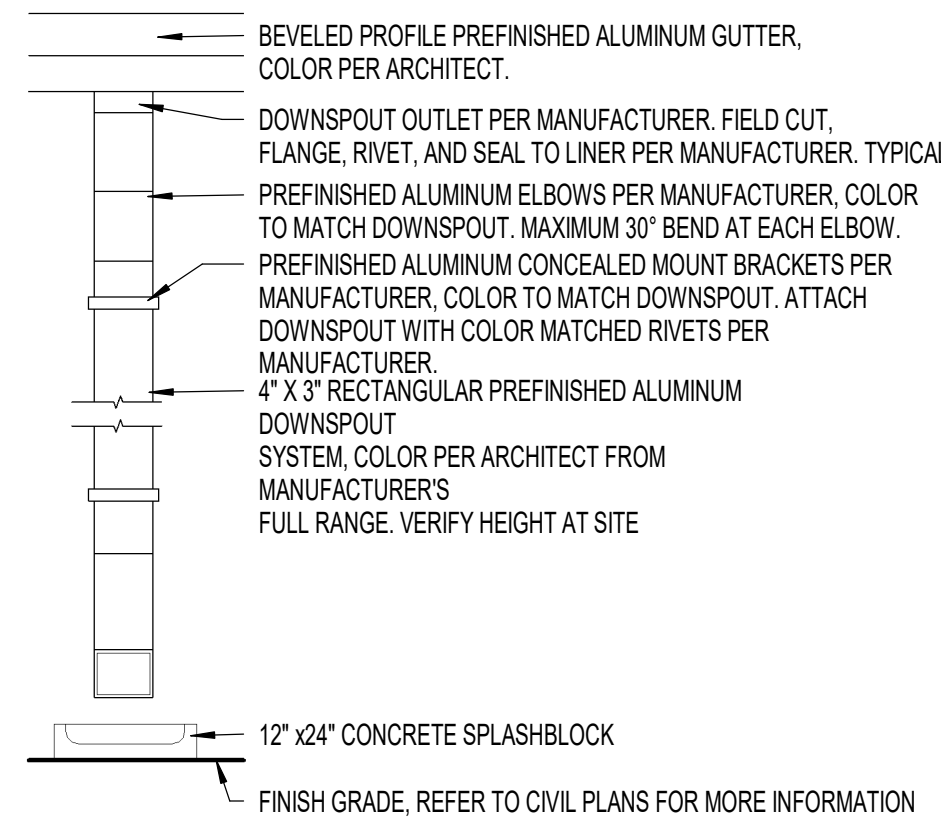


**GENERAL NOTE:**  
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

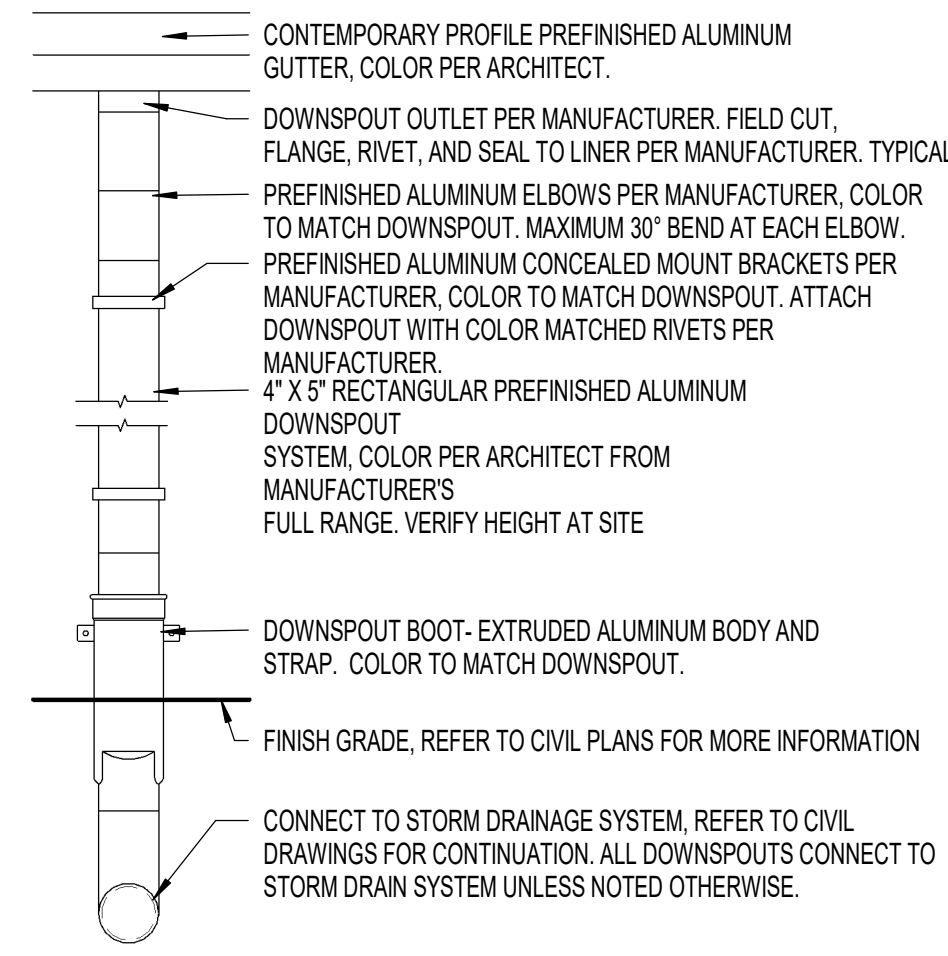
Revisions	Description	Date

Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
JCS	A1.2
Checked By	
TDO	

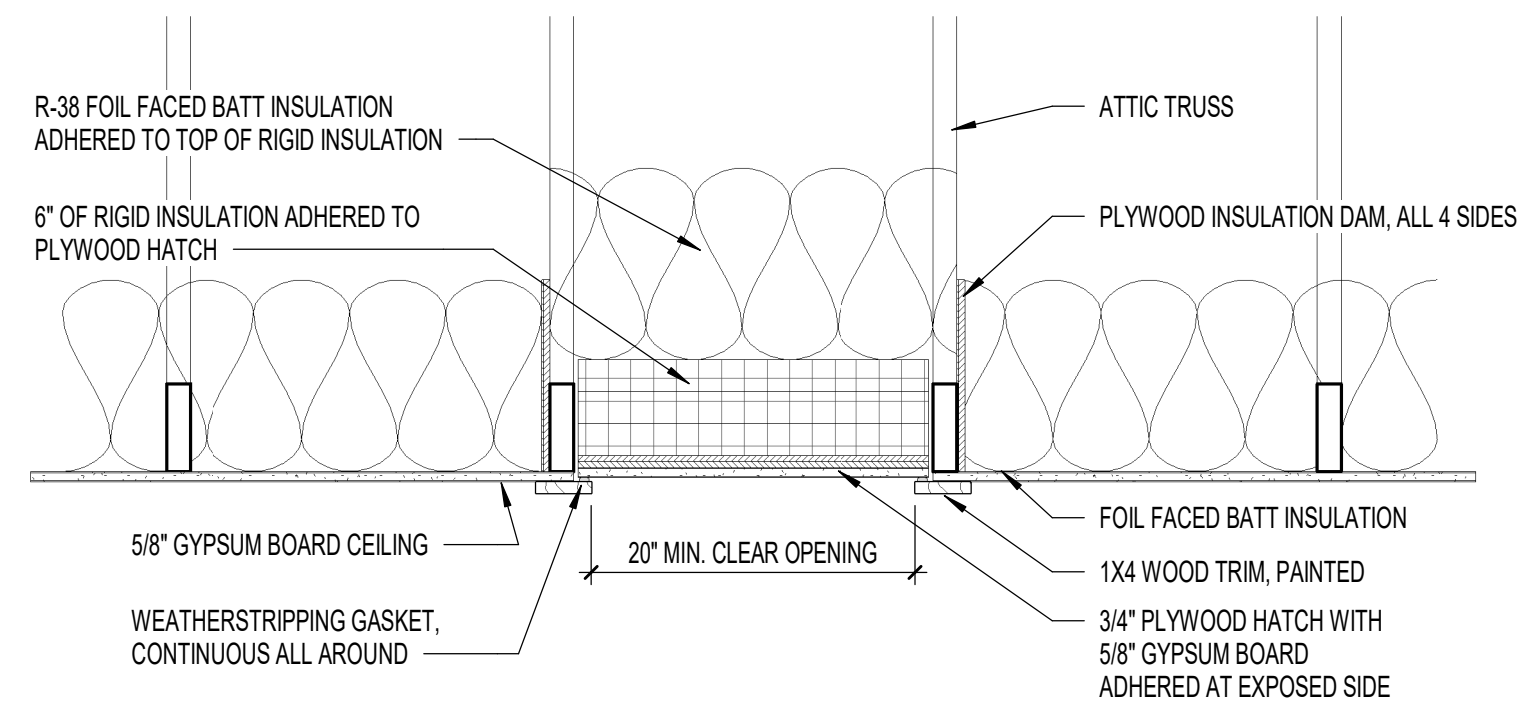
LIFE SAFETY, FLOOR PLAN, SCHEDULES, & DETAILS



DS-1: TYPICAL DOWNSPOUT WITH SPLASH BLOCK

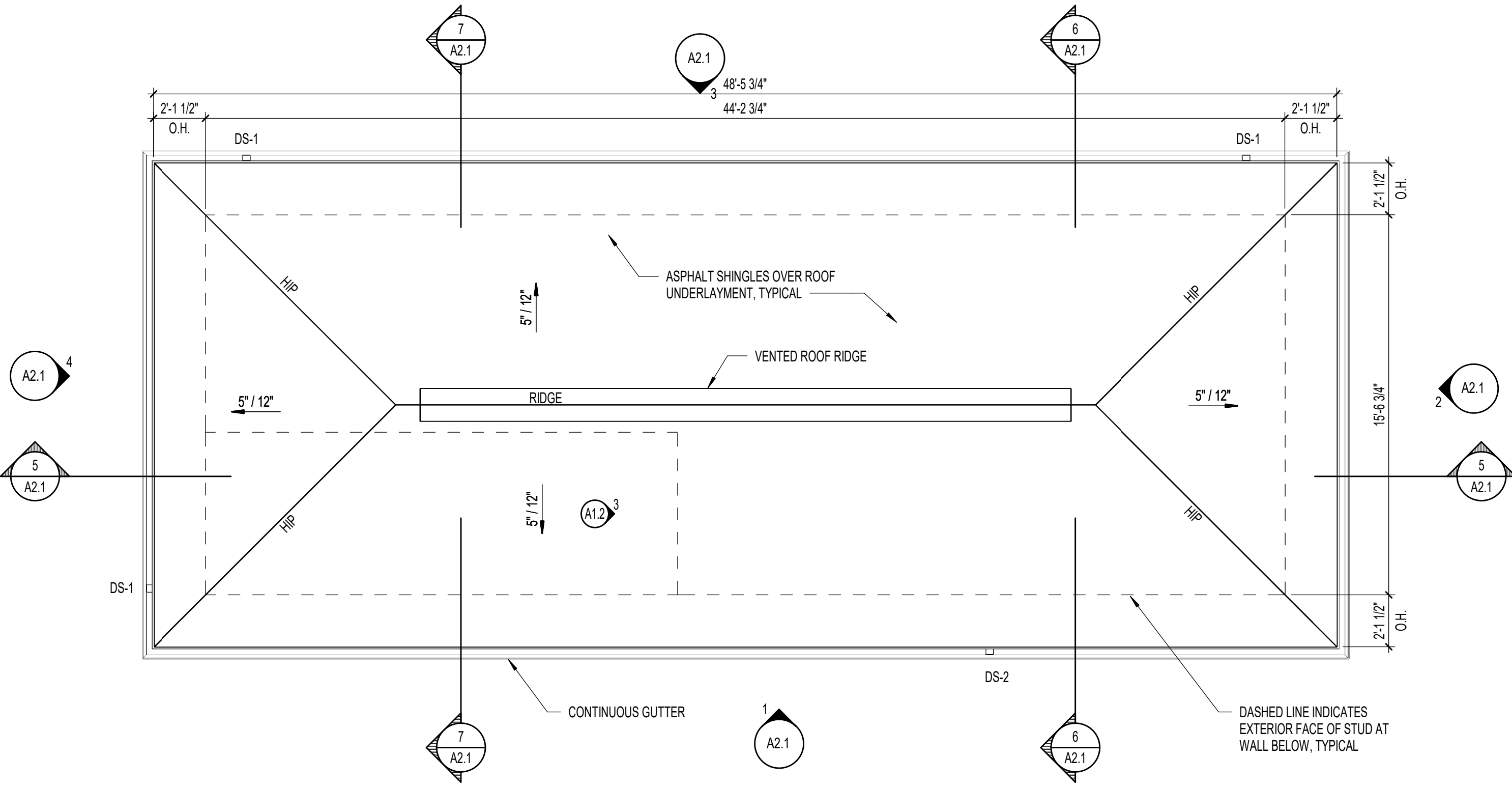


DS-2: TYPICAL DOWNSPOUT WITH STORM DRAIN TIE IN

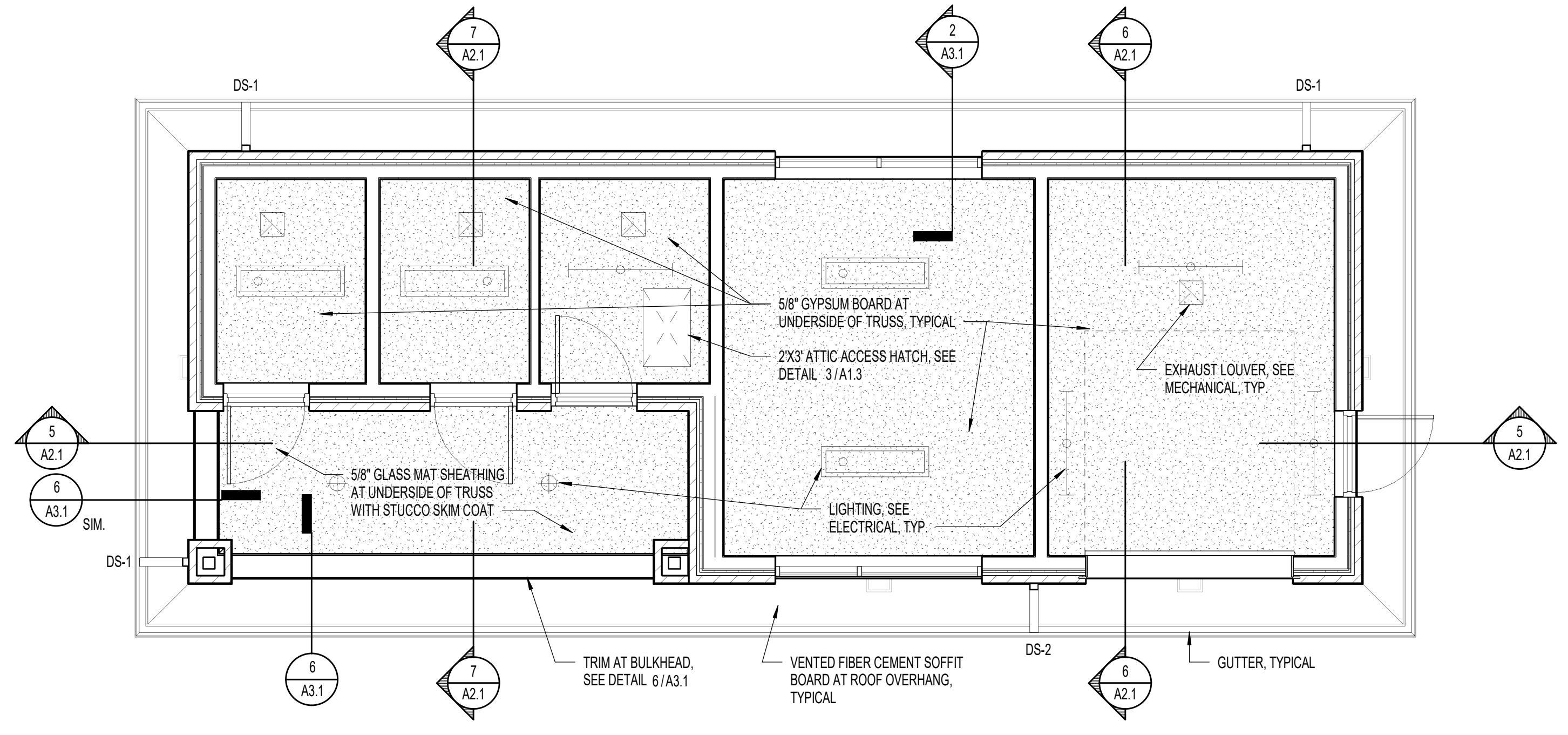


3 ATTIC ACCESS HATCH  
1" = 1'-0"

4 DOWNSPOUT  
3/4" = 1'-0"



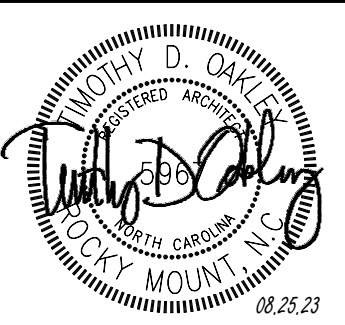
2 ROOF PLAN  
1/4" = 1'-0"



1 REFLECTED CEILING PLAN  
1/4" = 1'-0"

ROOF LEGEND	GENERAL ROOF NOTES
<p>— INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THRU STRUCTURE</p> <p>DS DOWNSPOUT, SEE DETAIL, COORDINATE WITH CIVIL</p>	<ol style="list-style-type: none"> <li>GUTTER AND DOWNSPOUTS SHALL BE FURNISHED AND INSTALLED BY ROOFING CONTRACTOR.</li> <li>CONTRACTOR SHALL COORDINATE ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS REQUIRED AND MAKE ALL NECESSARY PROVISIONS FOR SAME.</li> <li>GUTTERS, DOWNSPOUTS AND COMPONENTS SHALL BE PREFINISHED ALUMINUM COLOR - PER ARCHITECT.</li> <li>ALL DOWNSPOUTS SHALL TURN INTO STORM DRAIN. REFER TO FLOOR PLAN MORE INFORMATION.</li> <li>ALL ROOF MOUNTED ITEMS SHALL BE PAINTED, CLEAN PREPARE AND PRIME SURFACES AS REQUIRED - COLOR PER ARCHITECT.</li> <li>FURNISH AND INSTALL 36" WIDE X LENGTH REQUIRED SELF ADHERED ICE AND WATER SHIELD ROOFING UNDERLAYMENT AT ALL RIDGES AND HIP. AT LOWEST EDGES OF ROOF, INSTALL SELF ADHERED ICE AND WATER SHIELD TO A POINT AT LEAST 24" INSIDE THE EXTERIOR WALL LINE OF THE BUILDING.</li> <li>ALL ROOF EQUIPMENT AND PENETRATIONS MAY NOT BE SHOWN. COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING.</li> </ol>

CEILING NOTES	
A. SEE MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR FULL DESCRIPTION OF CEILING MOUNTED ITEMS/DEVICES.	
B. NOT ALL MEP DEVICES ARE SHOWN IN CEILING PLANS. SEE MEP DRAWINGS FOR LOCATIONS AND QUANTITIES.	

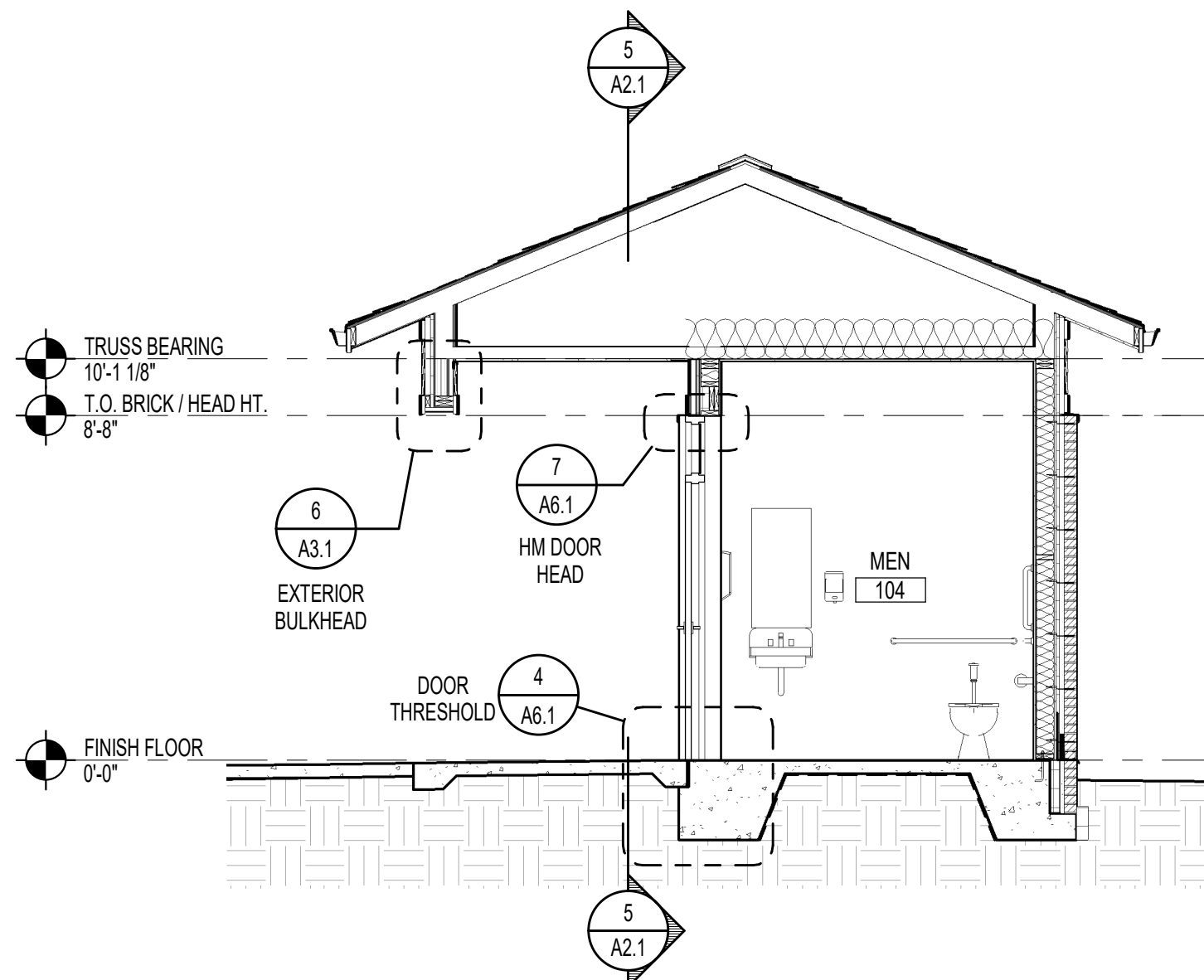


GENERAL NOTE:  
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

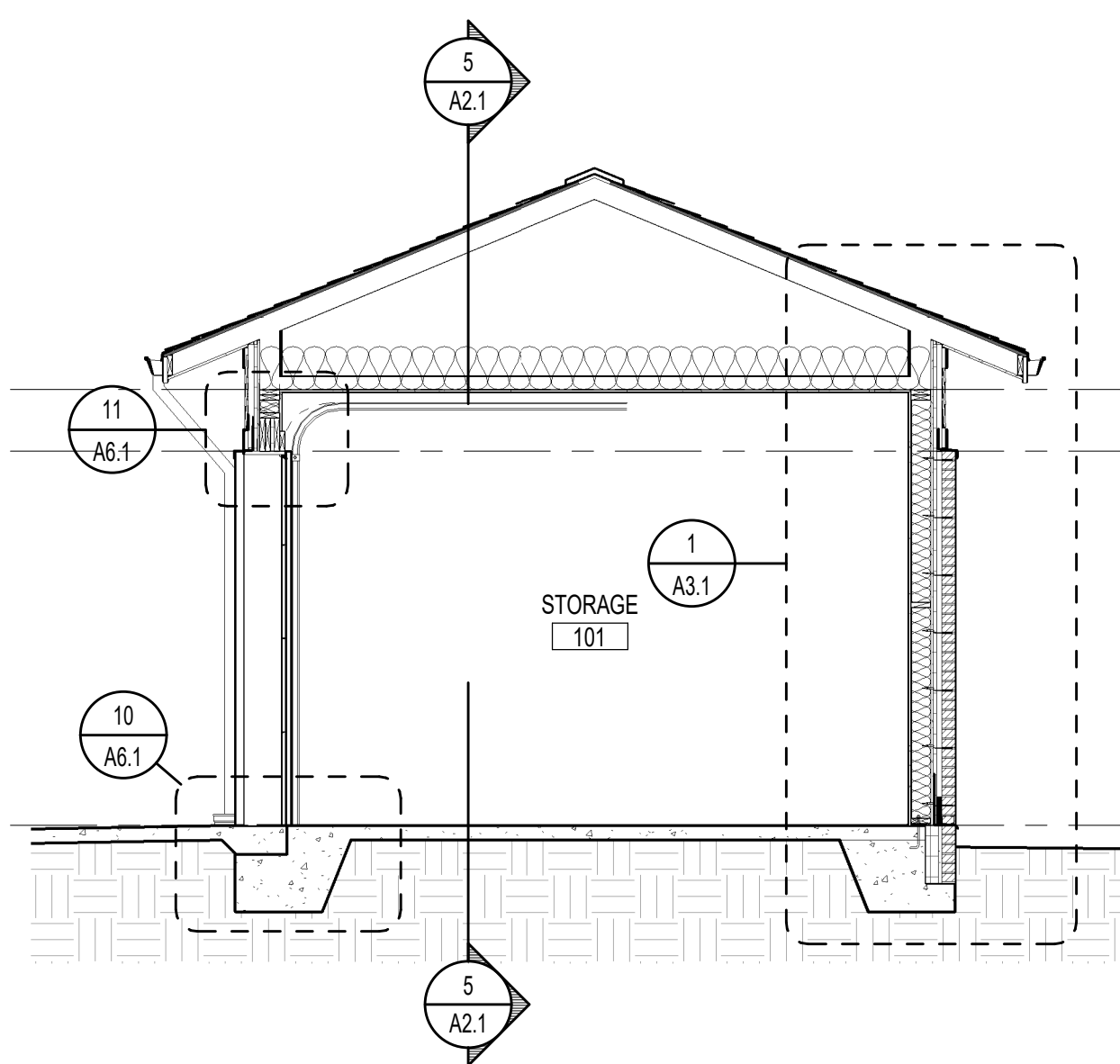
Revisions	Description	Date

Date	Project No.
08.25.23	21056
Drawn By	Sheet No.
JCS	A1.3
Checked By	
TDO	
Sheet Title	
REFLECTED CEILING & ROOF PLANS	

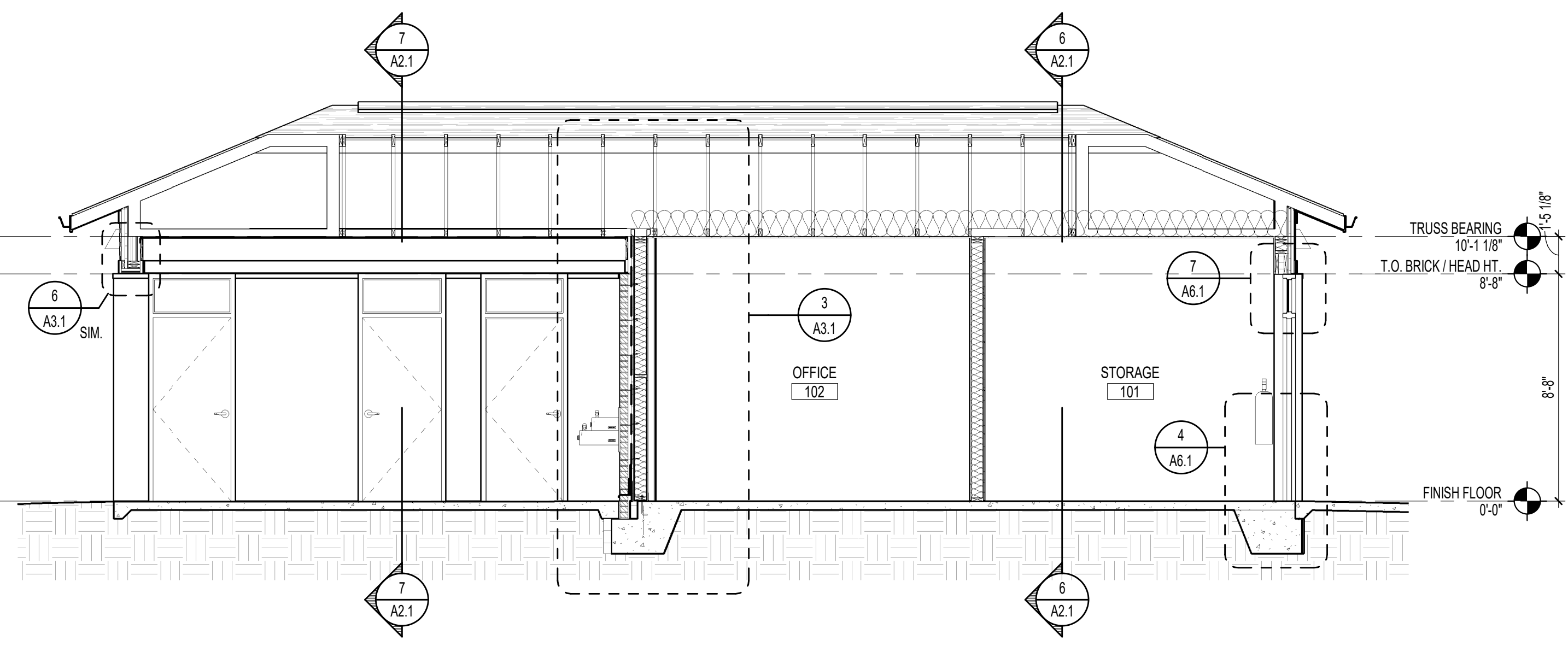
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



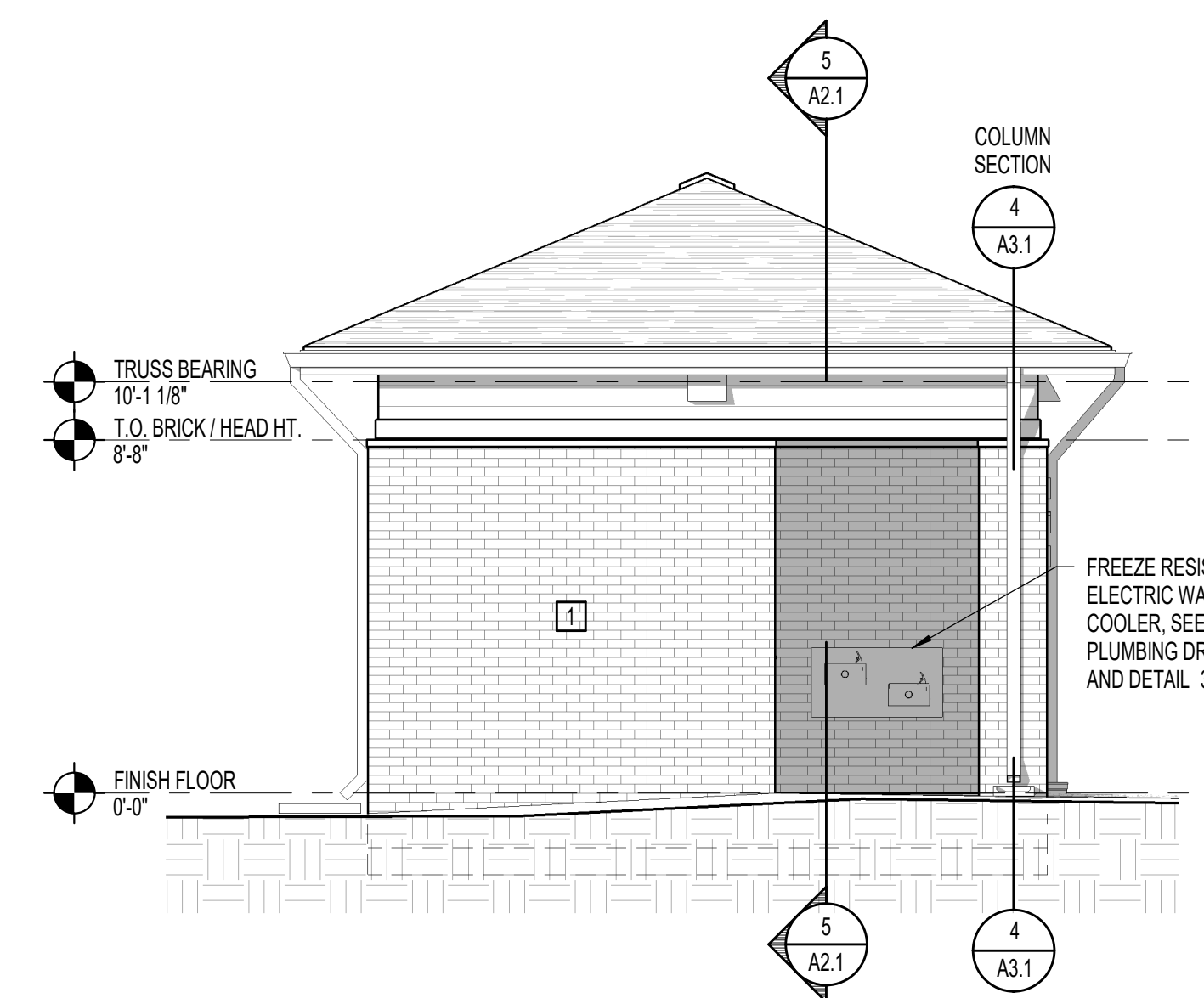
**7** BUILDING SECTION - TRANSVERSE - 2  
**A2.1** 1/4" = 1'-0"



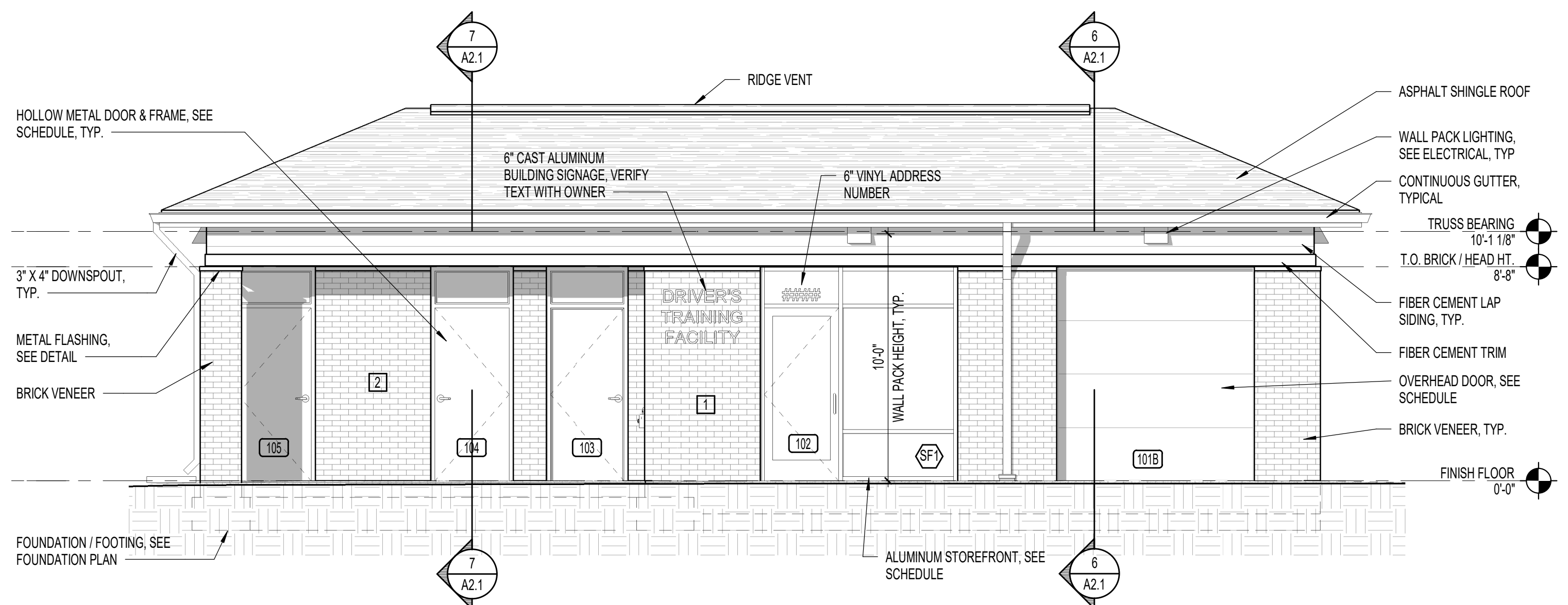
**6** BUILDING SECTION - TRANSVERSE - 1  
**A2.1** 1/4" = 1'-0"



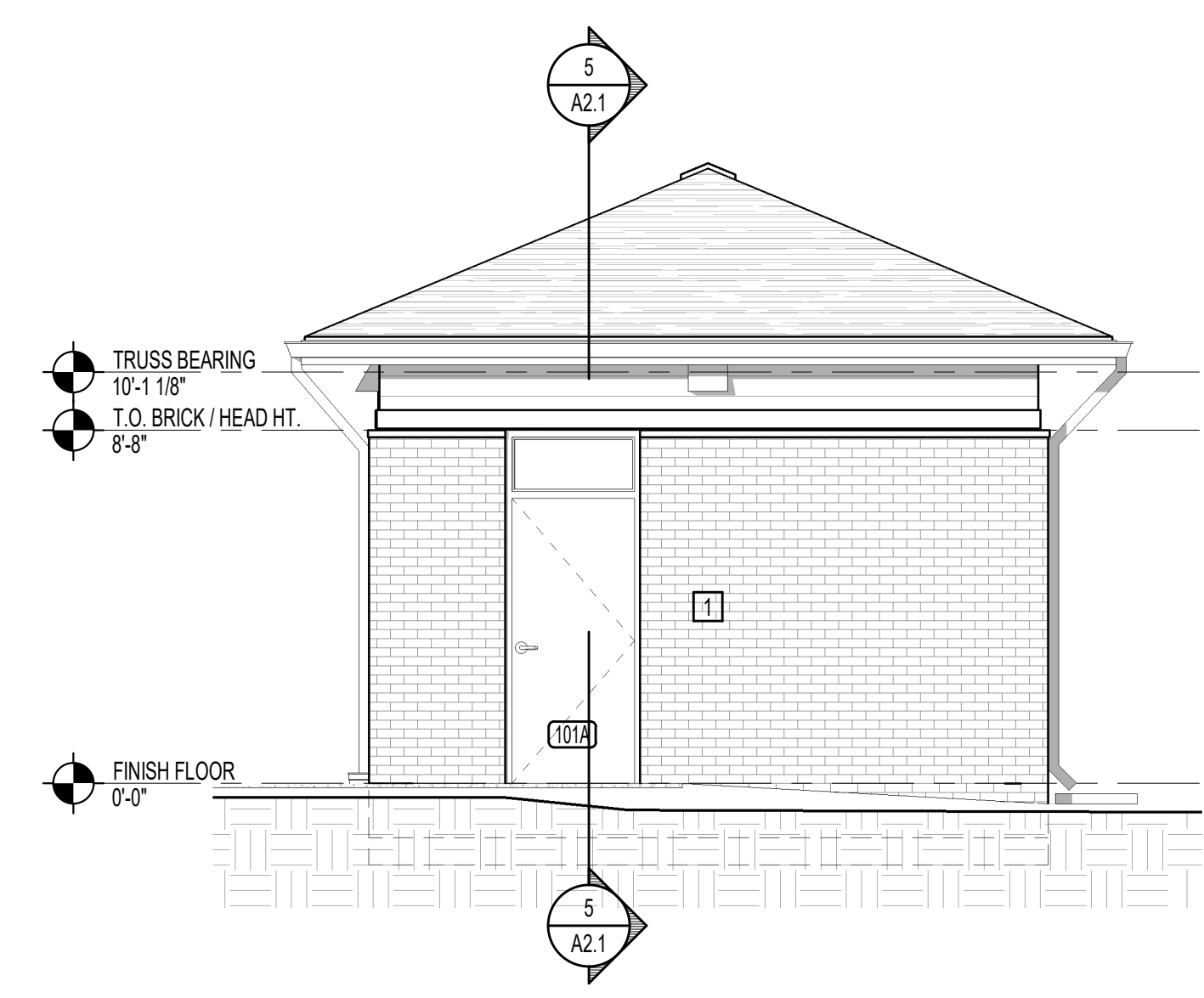
**5** BUILDING SECTION - LONGITUDINAL  
**A2.1** 1/4" = 1'-0"



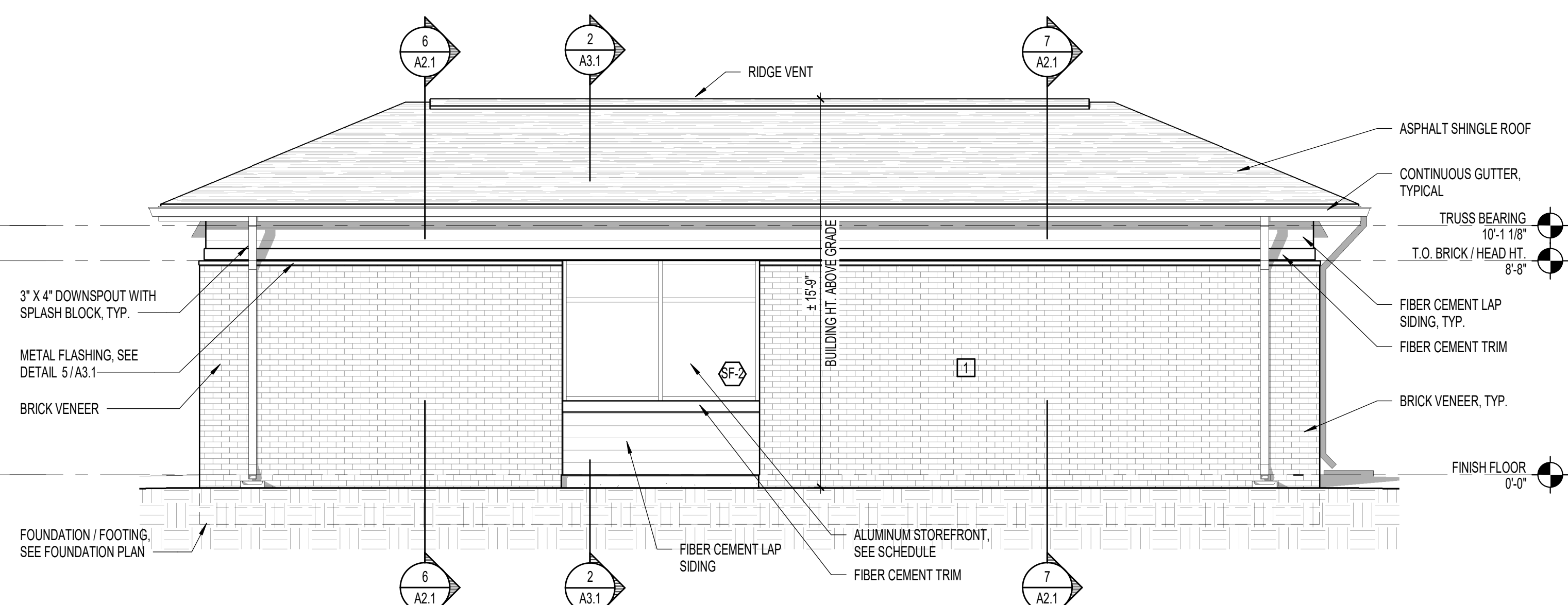
**4** LEFT SIDE ELEVATION  
**A2.1** 1/4" = 1'-0"



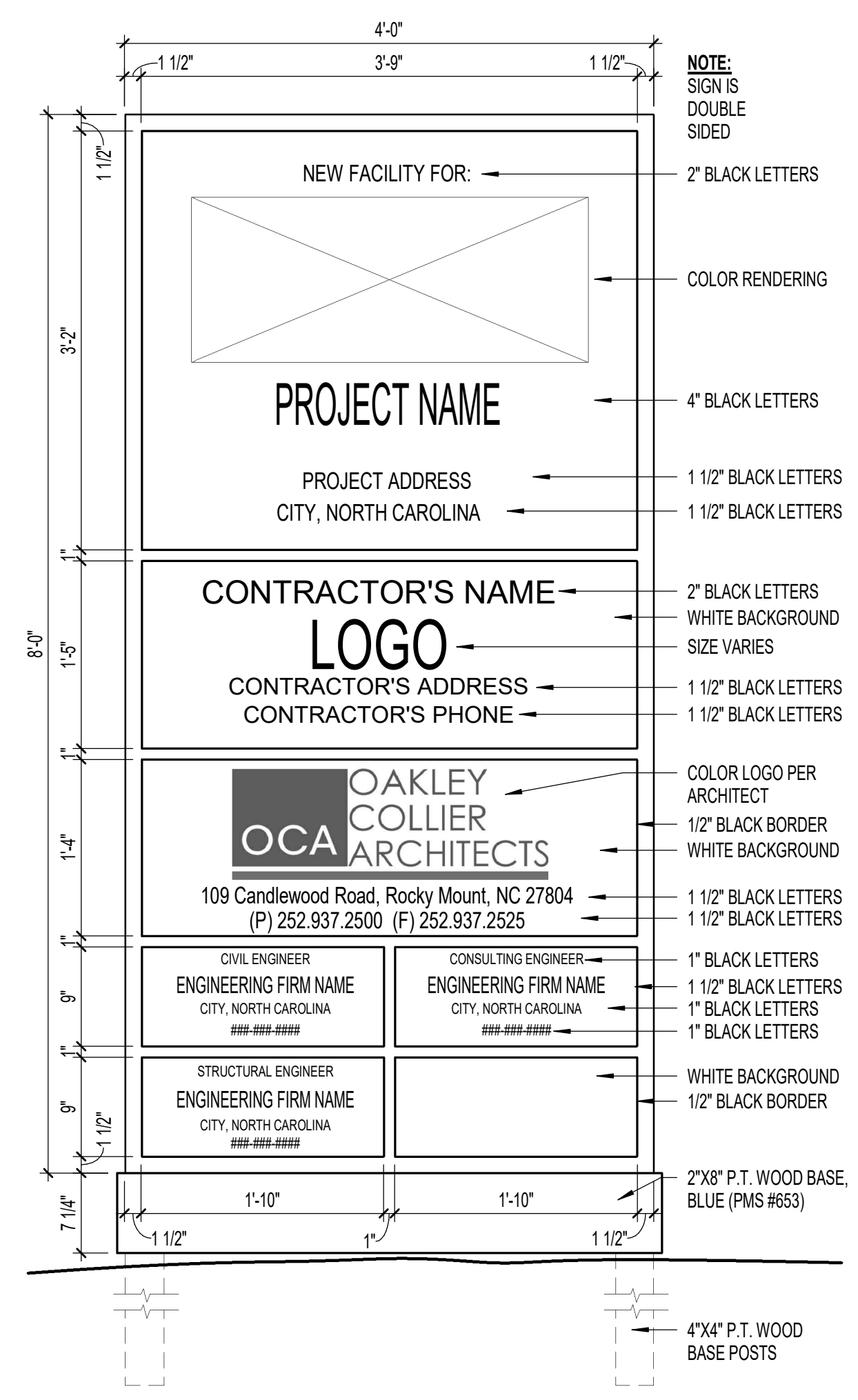
**1** FRONT ELEVATION  
**A2.1** 1/4" = 1'-0"



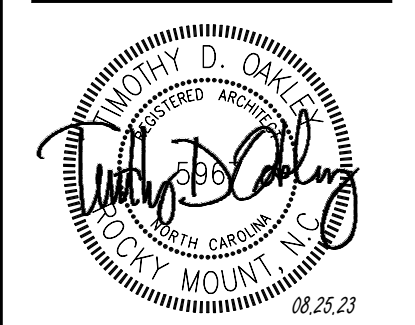
**2** RIGHT SIDE ELEVATION  
**A2.1** 1/4" = 1'-0"



**3** REAR ELEVATION  
**A2.1** 1/4" = 1'-0"



**8** JOB SIGN  
**A2.1** 1" = 1'-0"



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

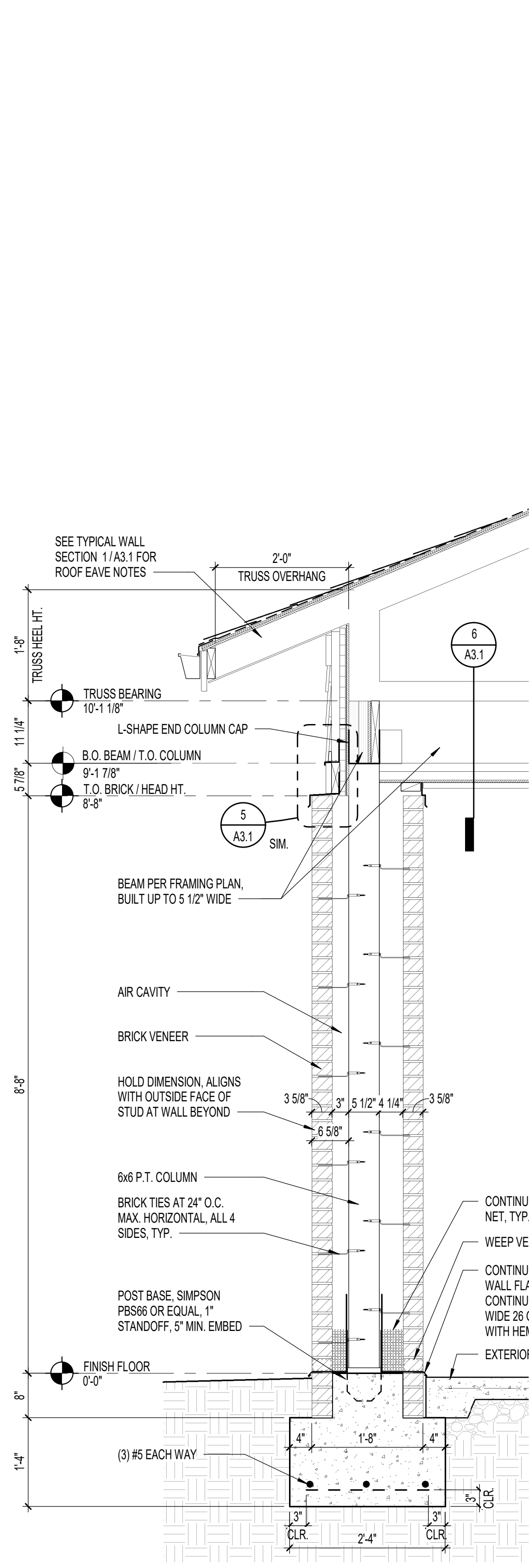
Revisions	Description	Date

Date	Project No.
08.25.23	<b>21056</b>
Drawn By	Sheet No.
JCS	<b>A2.1</b>
Checked By	
TDO	

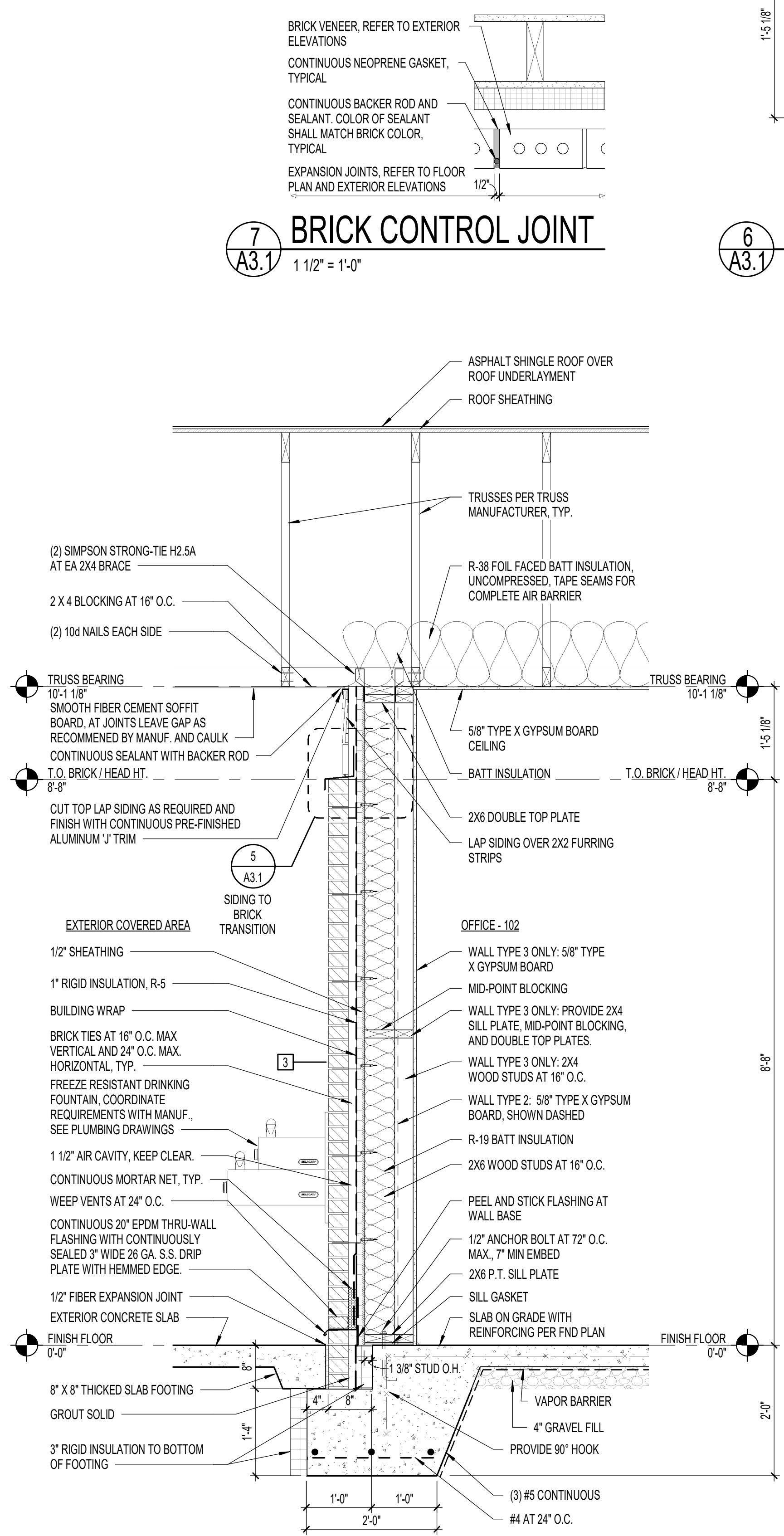
Sheet Title  
**BUILDING ELEVATIONS & SECTIONS**

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

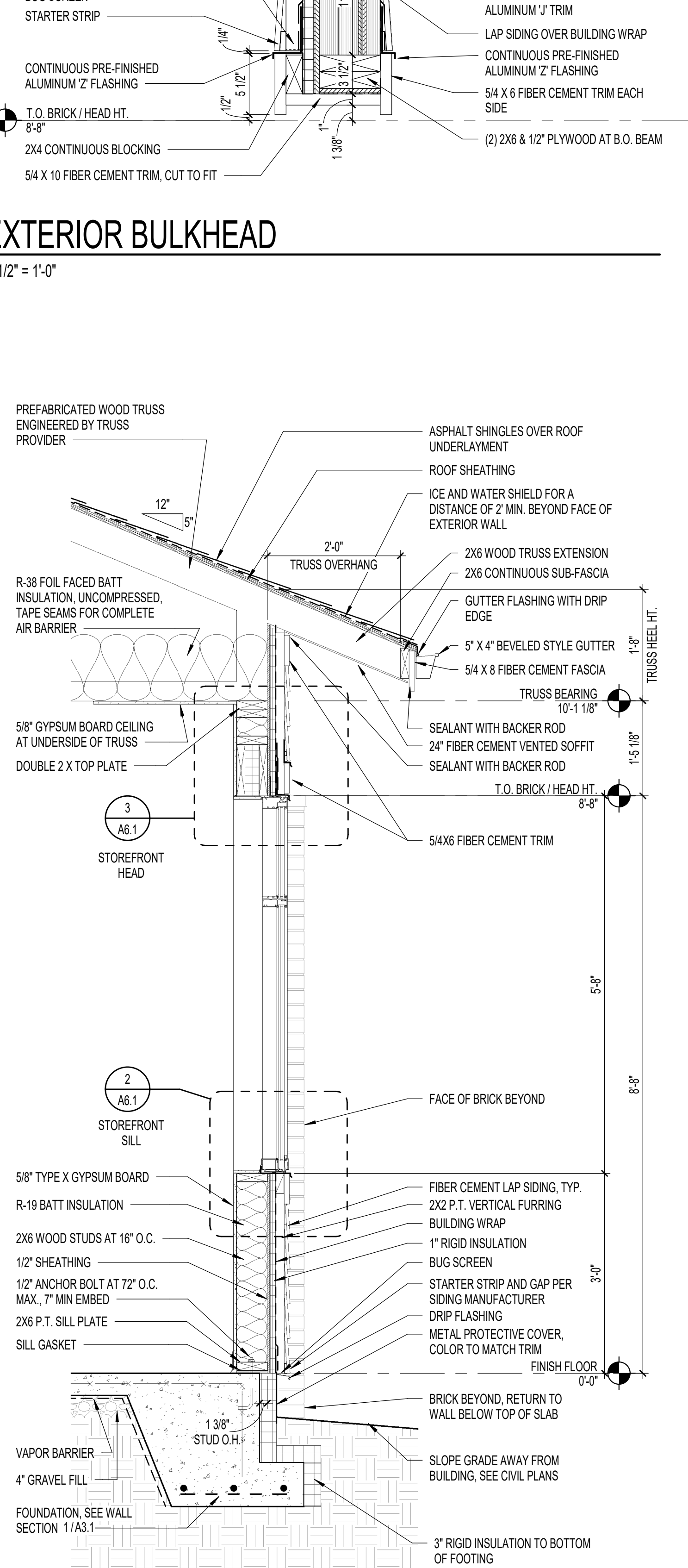
Copyright © 2023 Oakley Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



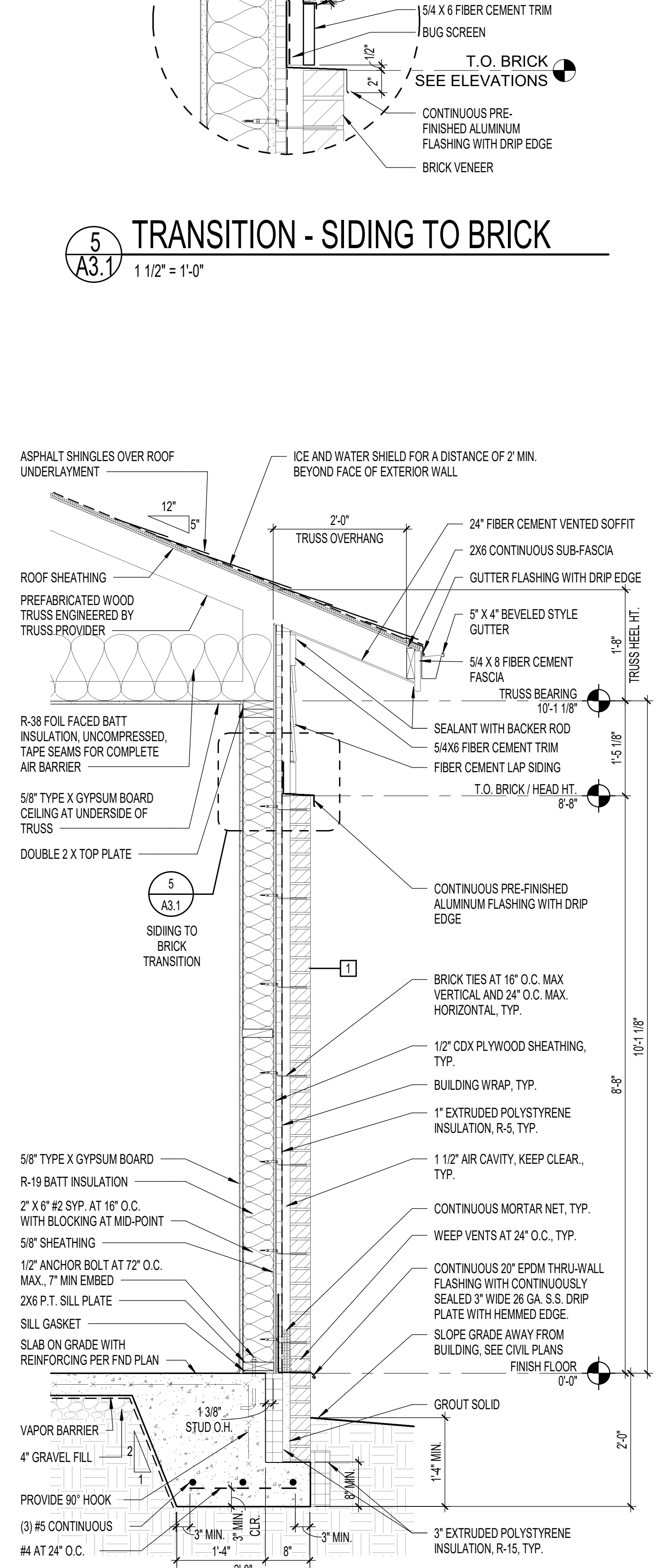
**4**  
A3.1  
**COLUMN SECTION**  
3/4" = 1'-0"



**3**  
A3.1  
**WALL SECTION AT COVERED AREA**  
3/4" = 1'-0"



**2**  
A3.1  
**WALL SECTION AT WINDOW**  
3/4" = 1'-0"

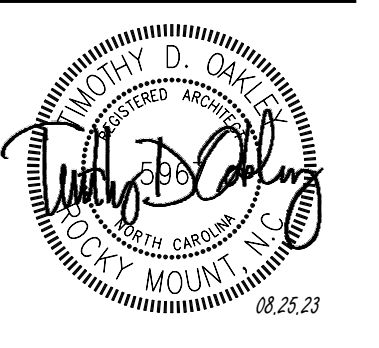
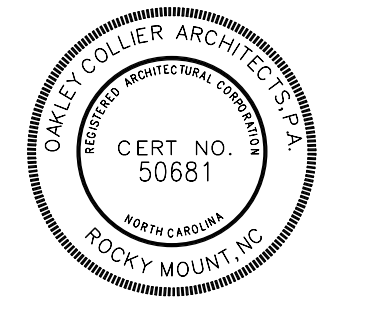


**1**  
A3.1  
**WALL SECTION - TYPICAL**  
3/4" = 1'-0"

**7**  
A3.1  
**BRICK CONTROL JOINT**  
1 1/2" = 1'-0"

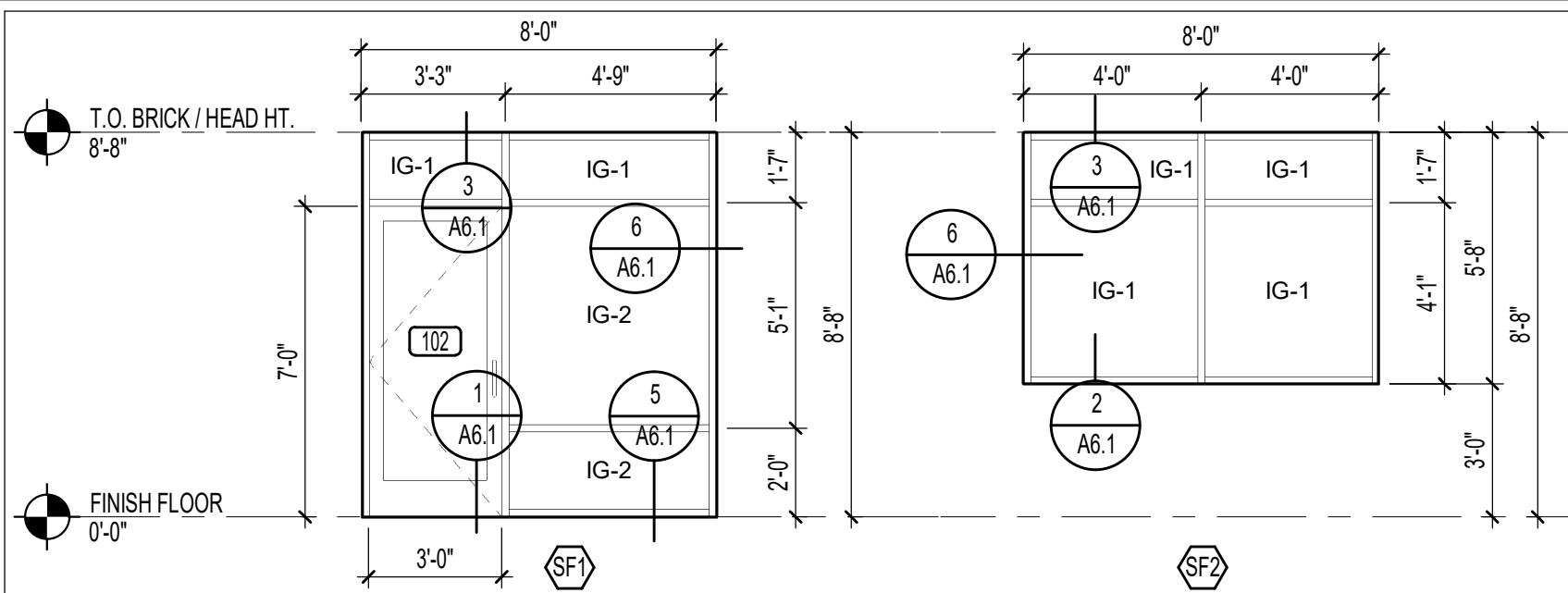
**6**  
A3.1  
**EXTERIOR BULKHEAD**  
1 1/2" = 1'-0"

**5**  
A3.1  
**TRANSITION - SIDING TO BRICK**  
1 1/2" = 1'-0"



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

Revisions	Description	Date
Date	Project No.	
08.25.23	21056	
Drawn By	Sheet No.	
JCS	A3.1	
Checked By		
TD0		
Sheet Title		
WALL SECTIONS & DETAILS		



### STOREFRONT ELEVATIONS

1/4" = 1'-0"

#### WINDOW NOTES

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

#### WINDOW FRAME LEGEND

SF# - EXTERIOR STOREFRONT, SEE SPECIFICATION

#### GLAZING

IG-1 TINTED, INSULATED GLAZING  
IG-2 TINTED, TEMPERED, INSULATED GLAZING

### DOOR - ELEVATIONS

1/4" = 1'-0"

#### GENERAL DOOR NOTES

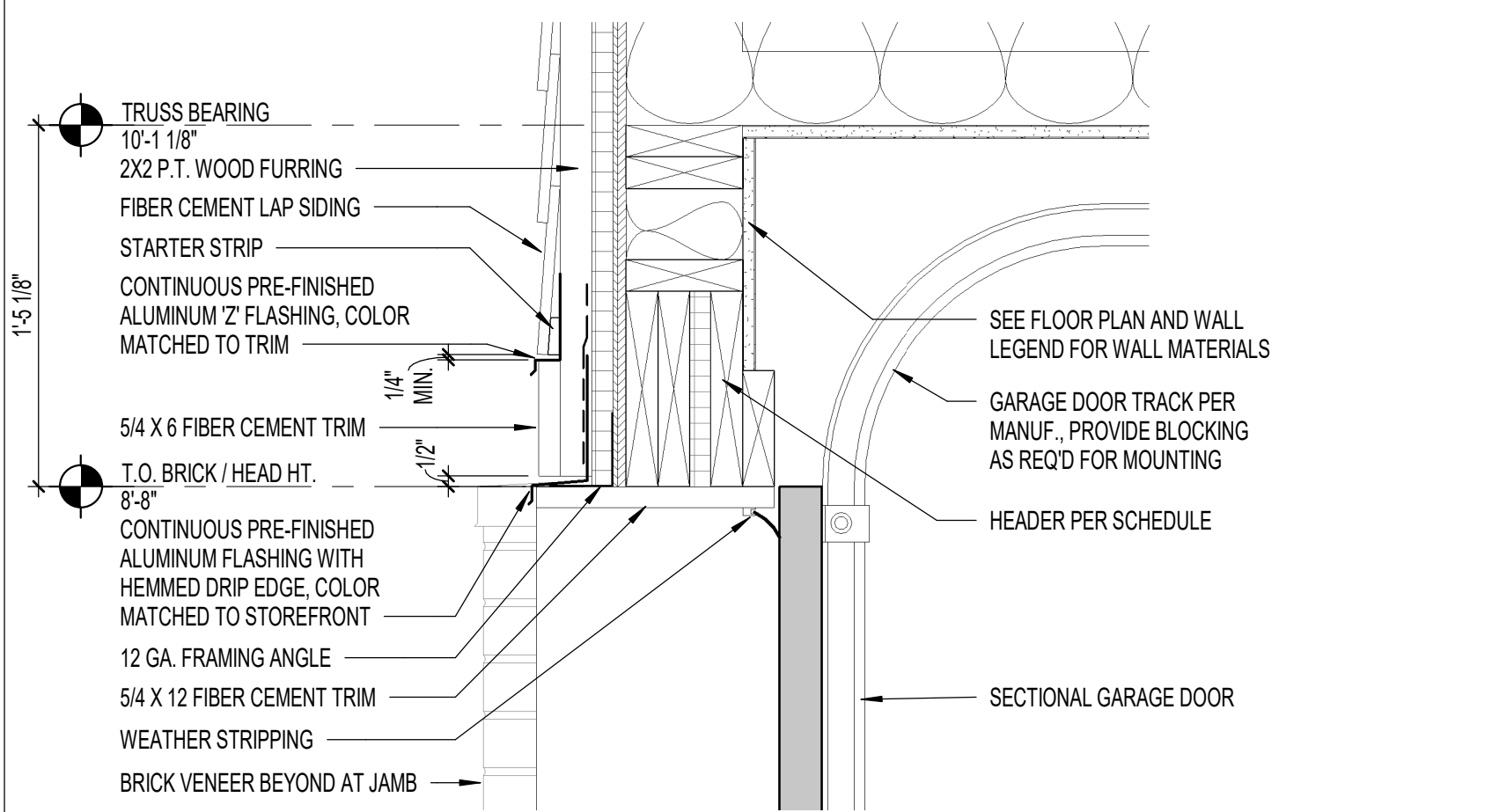
- ALL HARDWARE SHALL MEET ALL APPLICABLE HANDICAP CODES.
- TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
- EXTERIOR DOOR GLAZING SHALL BE 5/8" TEMPERED INSULATING, TYPICAL, U.N.O.
- EXTERIOR DOOR GLAZING SHALL BE TINTED TO MATCH STOREFRONT GLAZING.
- FURNISH AND INSTALL DOOR CLOSERS AS SCHEDULED IN COMPLIANCE WITH ALL APPLICABLE CODES.
- ALL HOLLOW METAL DOOR FRAMES SHALL BE FULLY WELDED TYPE, FACTORY PRIMED, AND FIELD PAINTED. COLOR PER ARCHITECT. INSTALL PER MANUFACTURER FOR PROPER INSTALLATION AND OPERATION FOR SPECIFIC APPLICATIONS.
- ALL WOOD DOORS SHALL BE STAIN GRADE, SPECIES, AND COLOR PER ARCHITECT.
- ALL ALUMINUM STOREFRONT AND DOORS SHALL BE PREFINISHED COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
- DOOR THRESHOLDS SHALL BE 1/2" MAXIMUM HEIGHT.
- ALL EXISTING DOORS ASSOCIATED DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE ACCESSED PRIOR TO RENOVATION. ALL EXISTING DOORS, DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE REFURBISHED TO MATCH PROJECT STANDARDS.

### FRAME - ELEV.

1/4" = 1'-0"

### DOOR SCHEDULE

DOOR #	SIZE			DOOR DESCRIPTION			FRAME DESCRIPTION			DETAILS			RATING	REMARKS	DOOR #	
	WIDTH	HEIGHT	THICK.	MATERIAL	FINISH	GLAZING	ELEV.	MATERIAL	FINISH	ELEV.	HEAD	JAMB				SILL
101A	3'-0"	7'-0"	1 3/4"	H.M.	PAINTED	-	F	H.M.	PAINTED	F1	7/16.1	8/16.1	4/16.1	-	-	101A
101B	8'-0"	8'-8"	2"	STEEL	FACTORY FINISH	-	GD	STEEL	-	-	11/16.1	9/16.1	10/16.1	-	-	101B
102	3'-0"	7'-0"	1 3/4"	ALUMINUM	ANNOXIDIZED	IG-2	FG	ALUMINUM	ANNOXIDIZED	SF1	3/16.1	8/16.1 SIM.	1/16.1	-	-	102
103	3'-0"	7'-0"	1 3/4"	H.M.	PAINTED	-	F	H.M.	PAINTED	F1	7/16.1	8/16.1	4/16.1	-	-	103
104	3'-0"	7'-0"	1 3/4"	H.M.	PAINTED	-	F	H.M.	PAINTED	F1	7/16.1	8/16.1	4/16.1	-	-	104
105	3'-0"	7'-0"	1 3/4"	H.M.	PAINTED	-	F	H.M.	PAINTED	F1	7/16.1	8/16.1	4/16.1	-	-	105



### HEAD - EXT - OHD

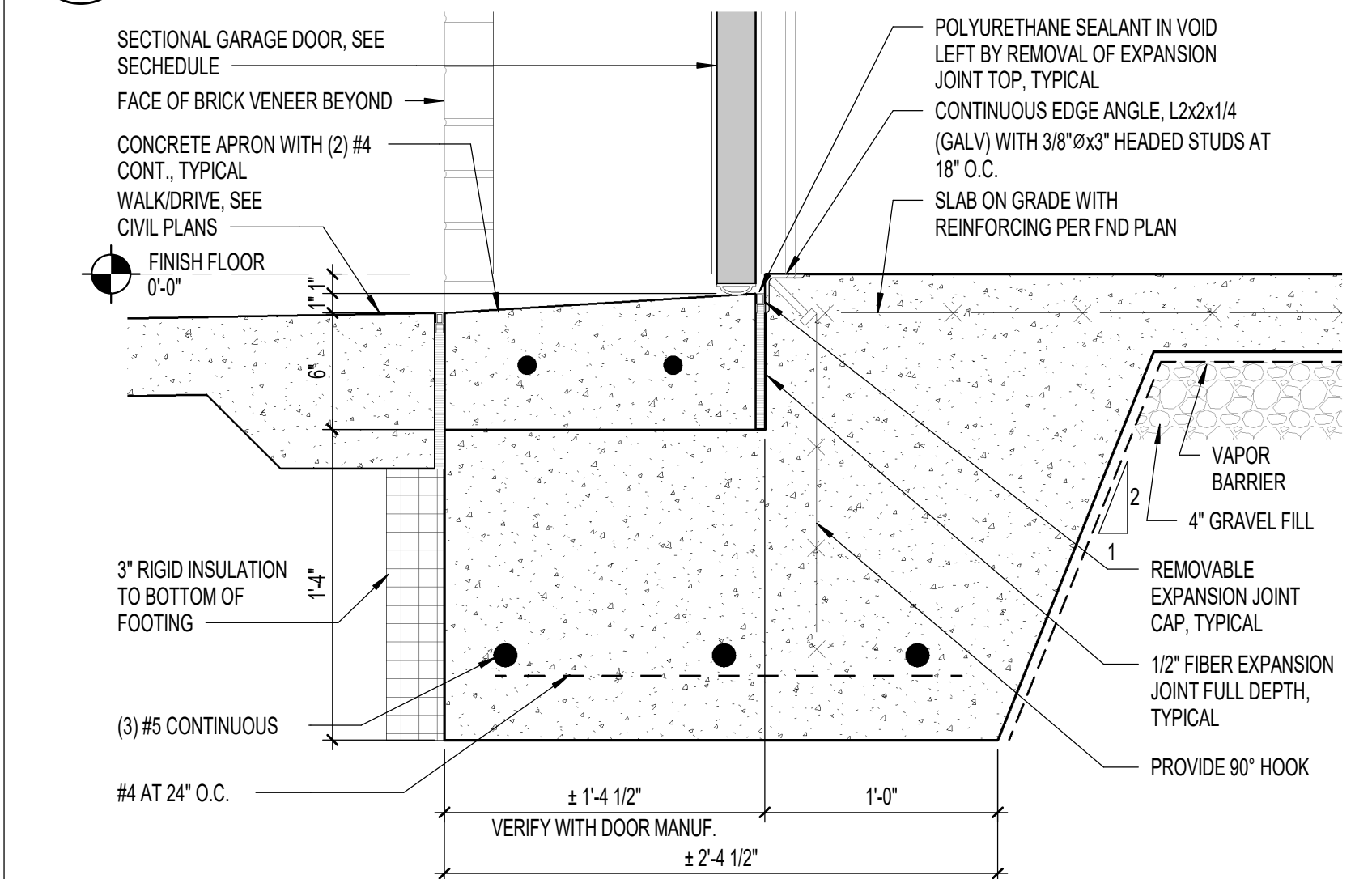
1 1/2" = 1'-0"

### JAMB - EXT - OHD

1 1/2" = 1'-0"

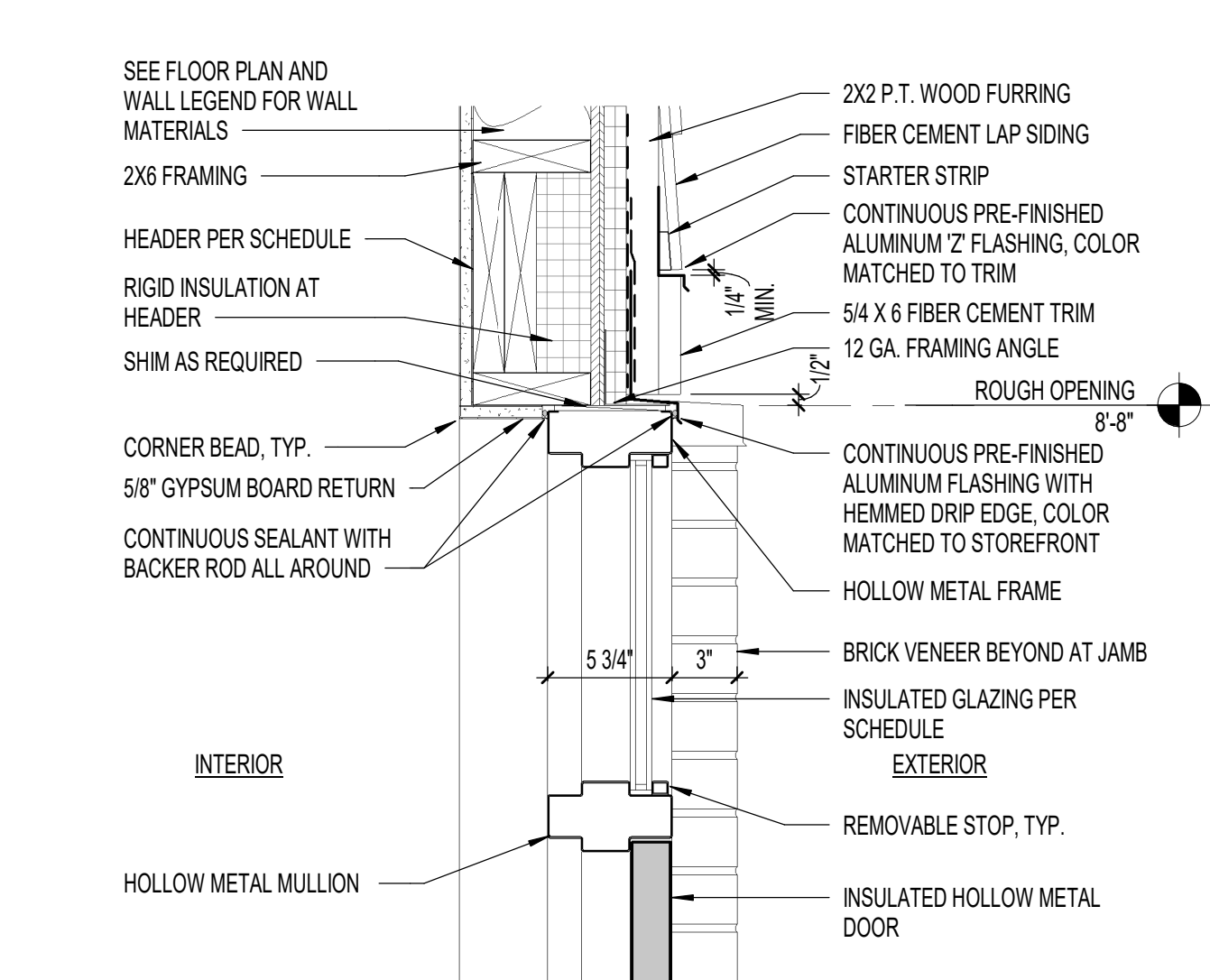
### JAMB - EXT - H.M.

1 1/2" = 1'-0"



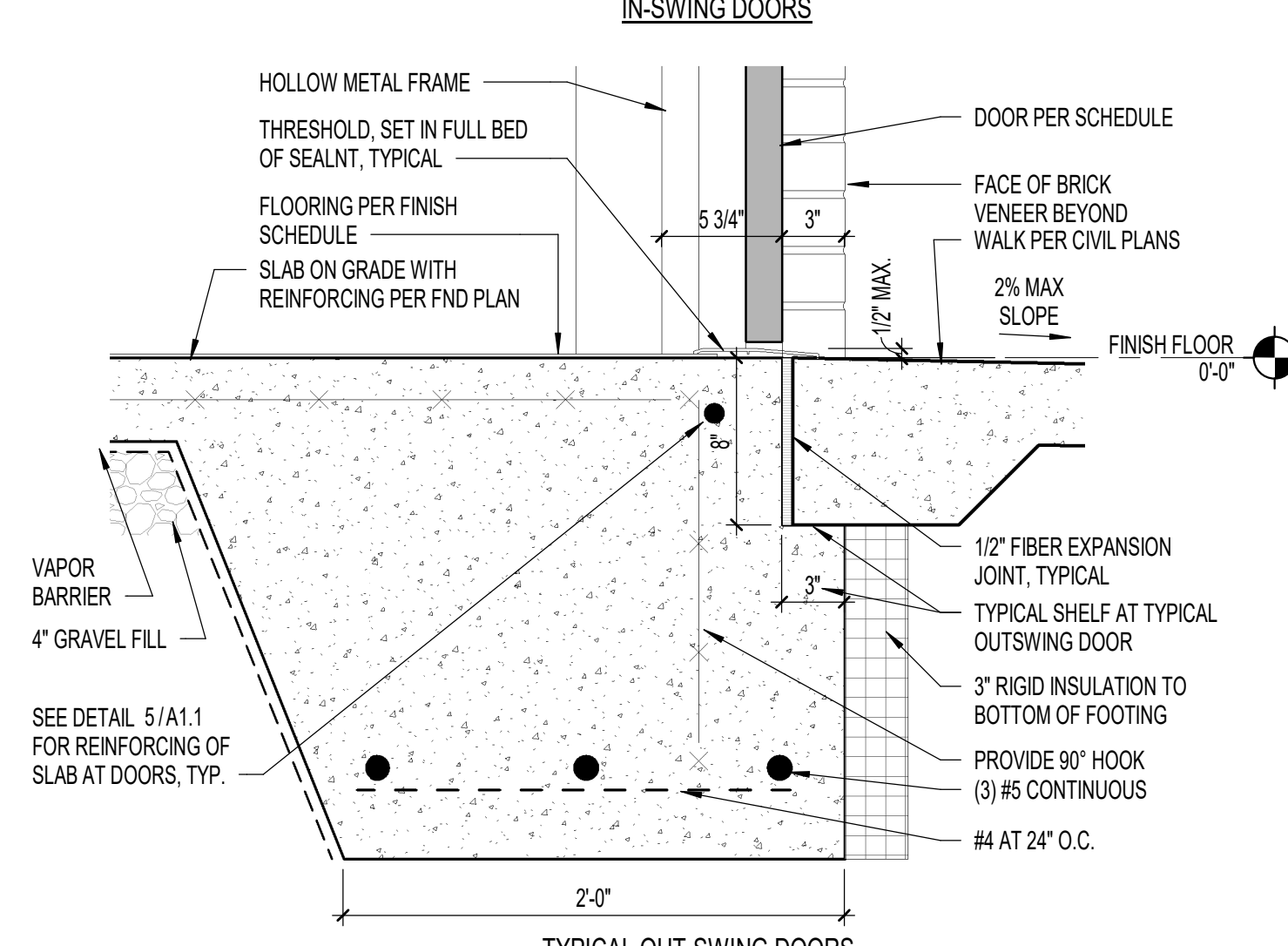
### FOUNDATION / SILL AT OHD

1 1/2" = 1'-0"



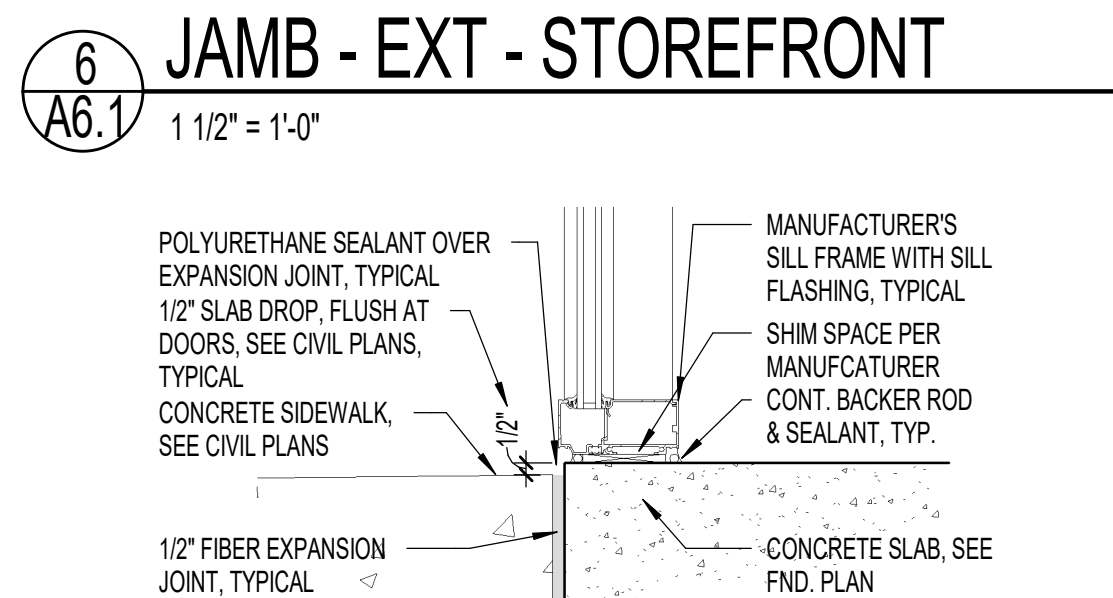
### HEAD - EXT - HOLLOW MTL.

1 1/2" = 1'-0"



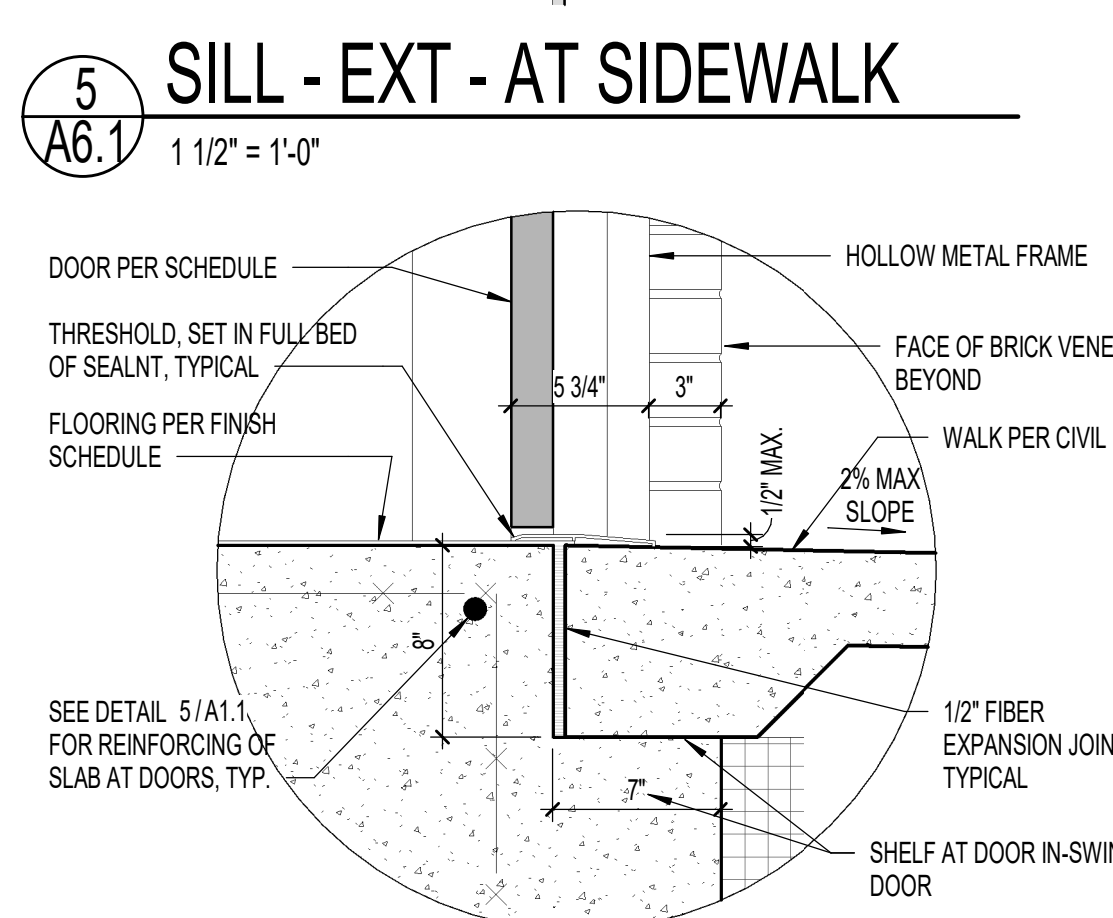
### THRESHOLD / FND HOLLOW METAL DOOR

1 1/2" = 1'-0"



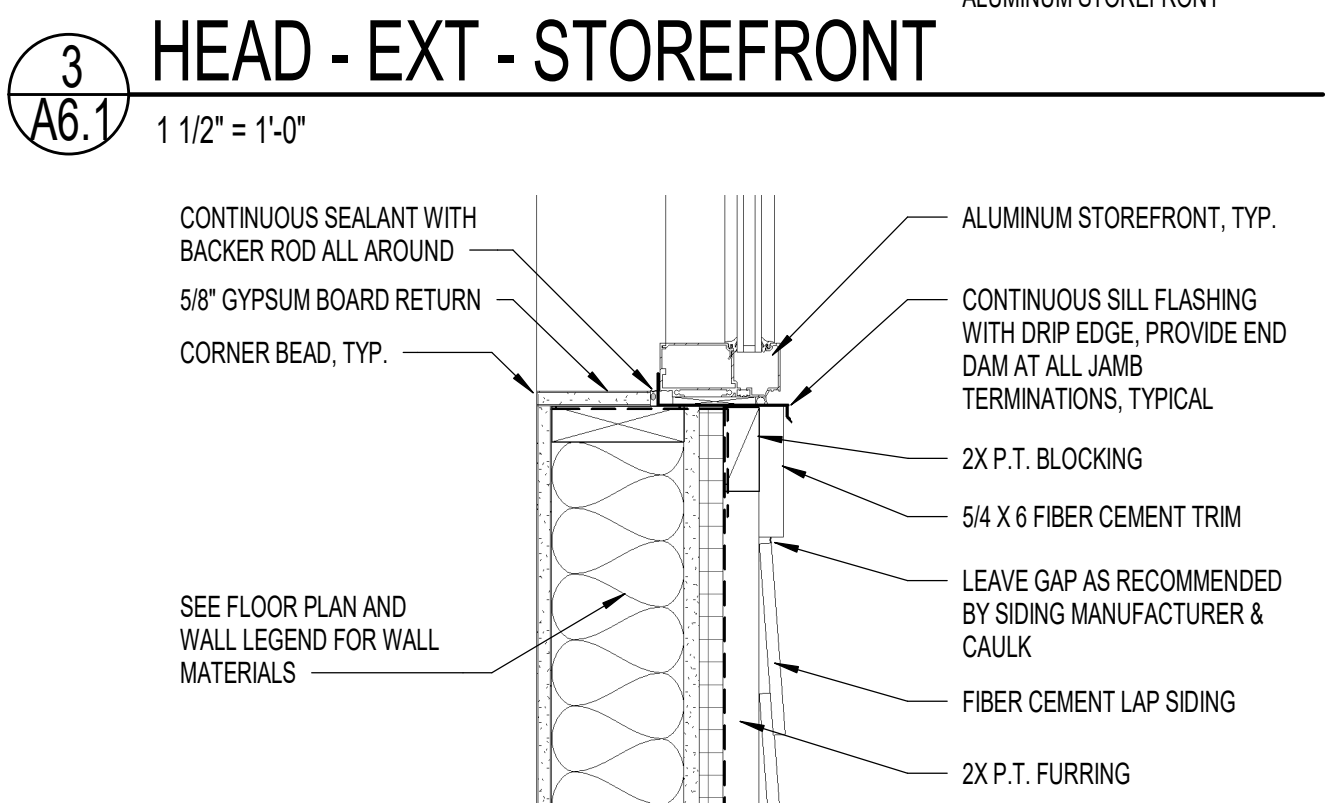
### JAMB - EXT - STOREFRONT

1 1/2" = 1'-0"



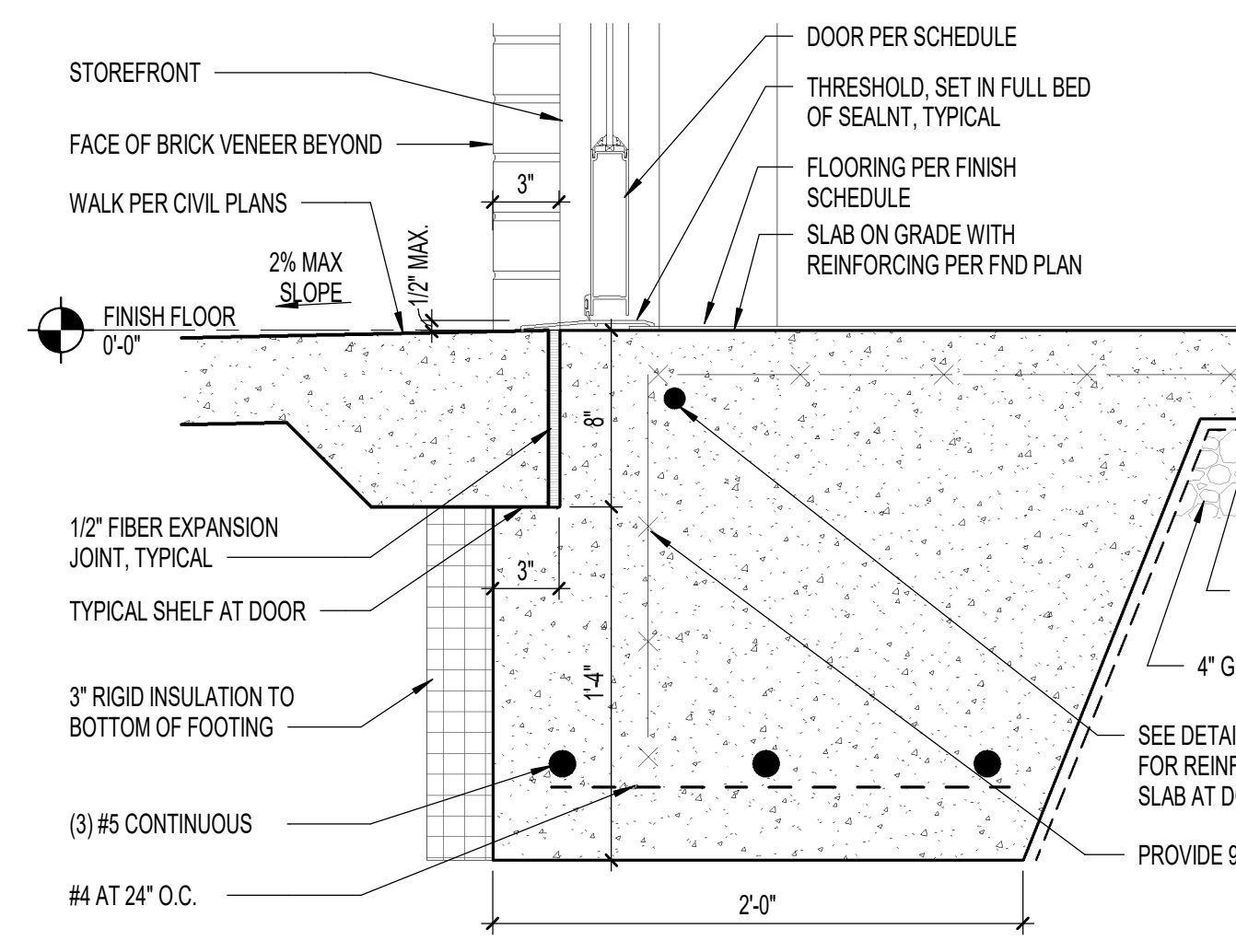
### SILL - EXT - AT SIDEWALK

1 1/2" = 1'-0"



### HEAD - EXT - STOREFRONT

1 1/2" = 1'-0"

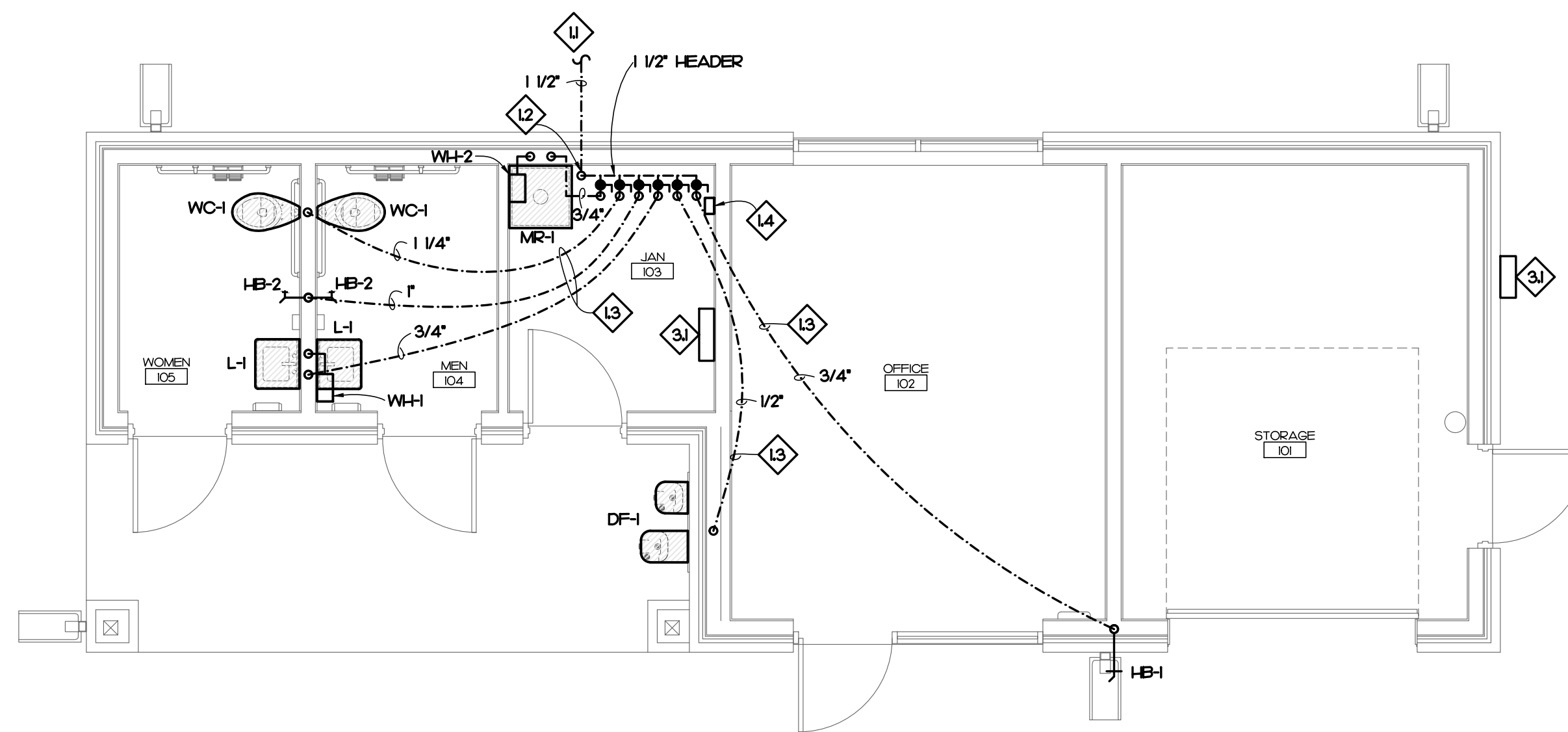


### THRESHOLD/FND AT STOREFRONT DOOR

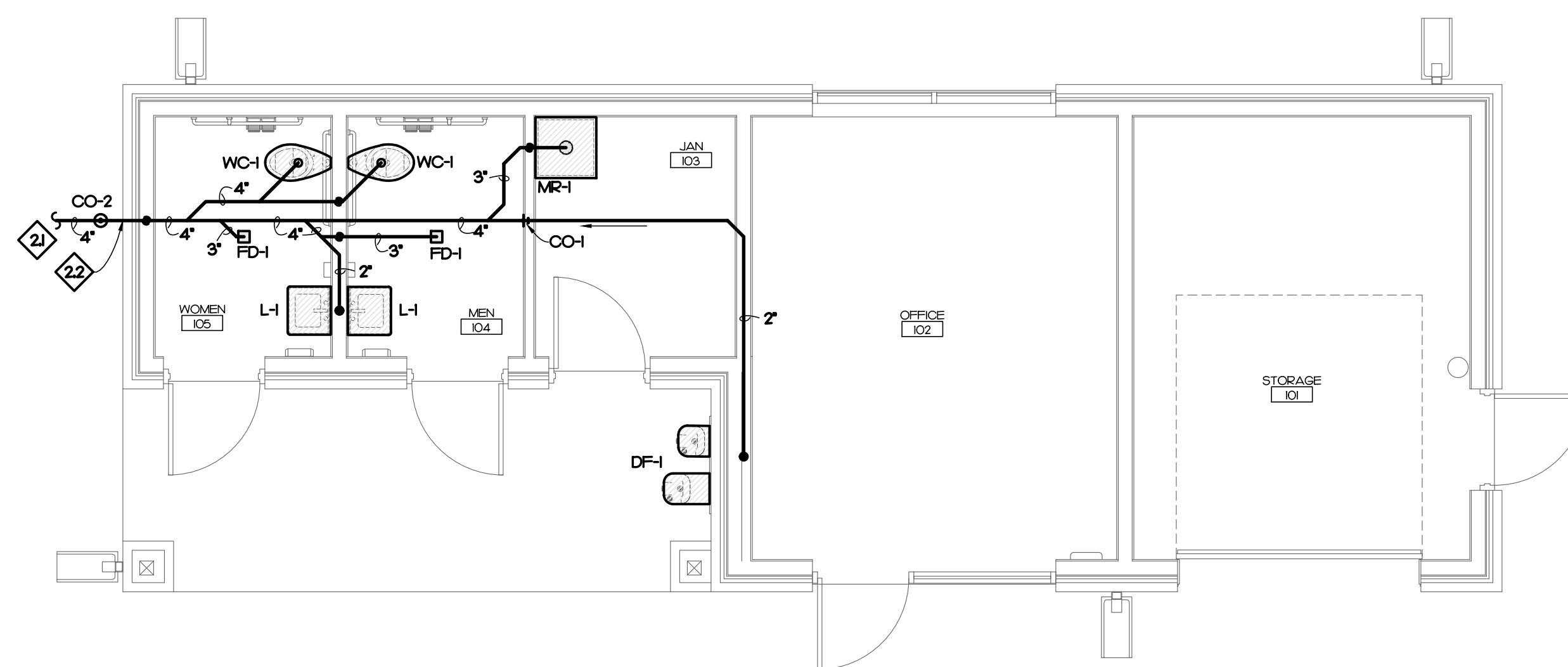
1 1/2" = 1'-0"

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





**2 WATER PIPING PLAN**  
 P1.1 SCALE: 1/4" = 1'-0"



**1 WASTE PIPING PLAN**  
 P1.1 SCALE: 1/4" = 1'-0"

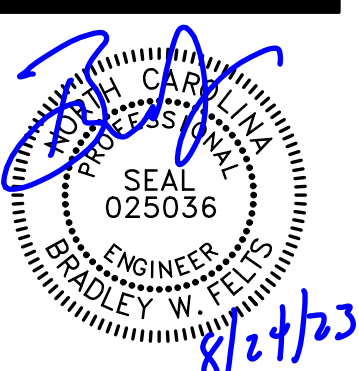
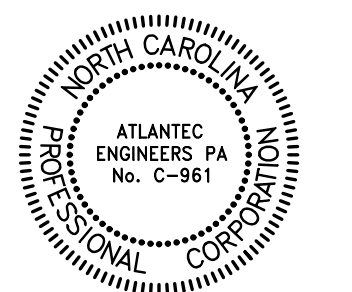
**PLUMBING KEY NOTES**

- 1 1/2" COLD WATER PIPE TO BE LOCATED BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK BEGINS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION. BACKFLOW LOCATED IN HOTBOX ON SITE.
- RISE TO ABOVE FINISHED GRADE AND PROVIDE MAN SHUT-OFF VALVE.
- PIPE BELOW SLAB.
- LOW VOLTAGE TRANSFORMER PROVIDED BY PLUMBING CONTRACTOR. LOW VOLTAGE WIRING TO WATER CLOSET AND LAVATORY PROVIDED BY PLUMBING CONTRACTOR. SEE DETAIL 9/P3/L.
- 4" SANITARY SEWER PIPE TO BE LOCATED BELOW FINISHED GRADE. PLUMBING CONTRACTOR'S WORK EXTENDS 5'-0" OUTSIDE BUILDING. SEE SITE PLAN FOR CONTINUATION.
- INVERT ELEVATION IS TO BE 180' BELOW FINISHED FLOOR.
- ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR.

OAKLEY  
 COLLIER  
 ARCHITECTS  
**OCA**  
 109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
 205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**ATLANTEC**  
 ENGINEERS, PA  
 322 ELLE ROSE ROAD, SUITE 103  
 RALEIGH, NC 27602  
 (919) 571-1111

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY  
 FOR NASH COMMUNITY COLLEGE**  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657

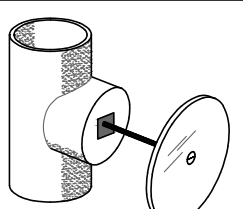
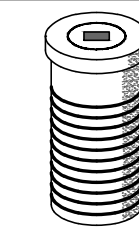
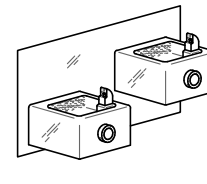
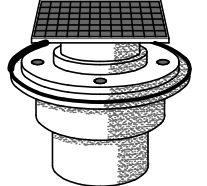
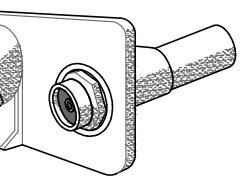
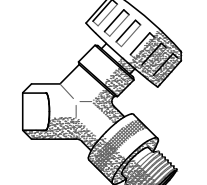
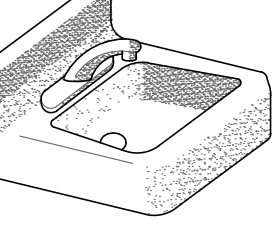
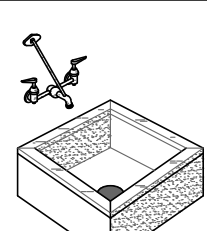

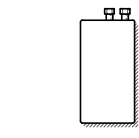
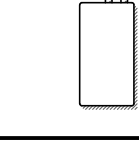


GENERAL NOTE:  
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	
Date	Project No.
08/25/23	21056
Drawn By	Sheet No.
NGB	P1.1
Checked By	
BWF	
Sheet Title	
PLUMBING PLAN	




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

# PLUMBING FIXTURE SCHEDULE

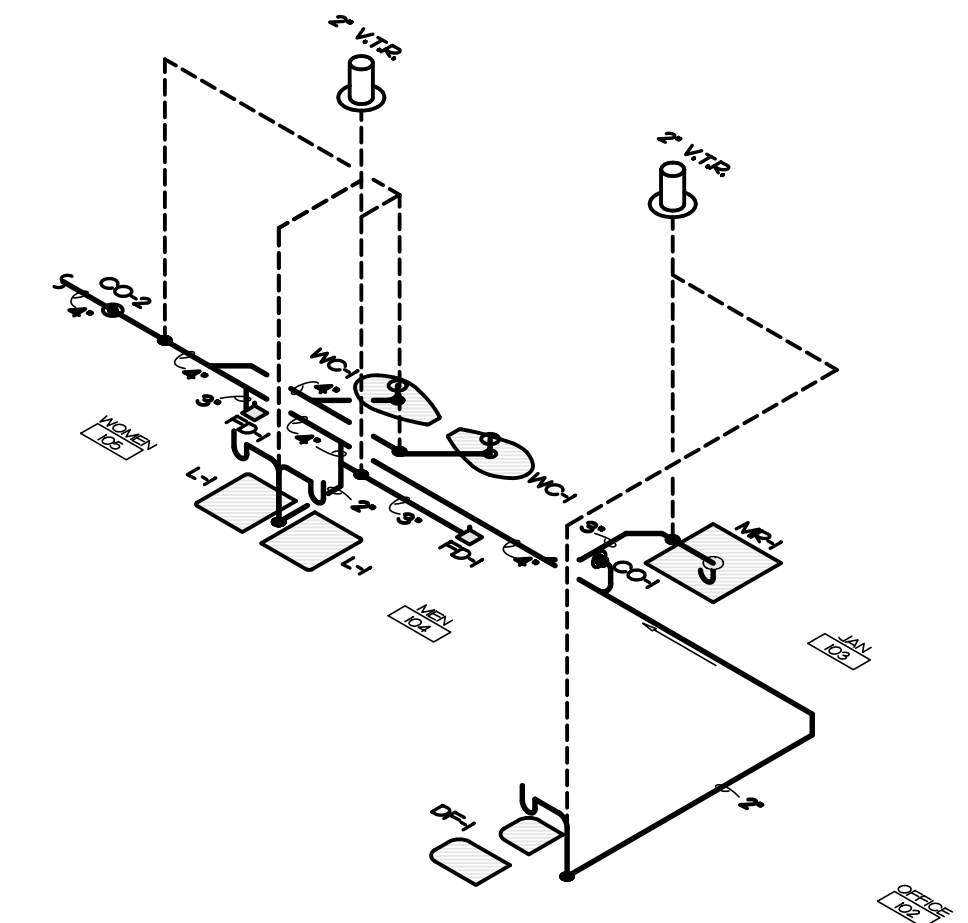
SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PIPING CONNECTIONS			
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER	
	WALL CLEANOUT	ZURN	CO-249-PVC	MIFAB		JR SMITH		-	-	SEE PLUMB DRAWINGS	
	ACCESS COVER	ZURN	CO-2930-SS	MIFAB		JR SMITH					
PVC CLEANOUT BODY AND PLUG TO BE GAS AND WATER TIGHT. PLUG TO HAVE A BRASS THREADED INSERT TO RECEIVE SECURING SCREW FOR STAINLESS STEEL ROUND ACCESS COVER.											
	EXTERIOR CLEANOUT	ZURN	Z-1449-BP	WATTS		CO-380-34B	JR SMITH	4283	-	-	SEE PLUMB DRAWINGS
CLEANOUT FERRULE WITH CAST IRON BODY, WITH GAS AND WATERTIGHT BRONZE PLUG, MOUNT IN CONCRETE.											
	DRINKING FOUNTAIN	HAWS	88FR	ELKAY			OASIS		1/2"	-	2"
PROVIDE STAINLESS STEEL BLEVEL, FREEZE RESISTANT DRINKING FOUNTAIN. PROVIDE WITH SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH. COORDINATE RIGHT OR LEFT LOCATION OF HIGH SIDE WITH ARCHITECT. PROVIDE VANDAL RESISTANT KIT.											
	FLOOR DRAIN	ZURN	ZW455	WATTS		FD-100-M	MIFAB	F1000-1	1/2"	-	3"
FLOOR DRAIN TO HAVE A 3" WASTE BOTTOM OUTLET, CAST IRON BODY WITH ADJUSTABLE COLLAR, POLISHED 6" x 6" NICKEL BRONZE SQUARE HEEP-PROOF STRAINER, AND 1/2" TRAP PRIMER CONNECTION.											
	ANTIFREEZE HOSE BIB	WOODFORD	65	WATTS		HY-420	MIFAB	MHY-5	3/4"	-	-
ANTIFREEZE HOSE BIB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIB. MOUNT 12" ABOVE FINISHED GRADE.											
	HOSE BIB	WOODFORD	24	MIFAB		MHY-9000-NPB	ZURN	195XL	3/4"	-	-
HOSE BIB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER. 3/4" INLET AND OUTLET. EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIB.											
	LAVATORY	KOHLER	K-2864-0	AMERICAN STANDARD	0355.02	ZURN	Z5834				
	FAUCET	SLOAN	ETF-600	MOEN	8470						
	TRAP	McGUIRE	8902	DEARBORN BRASS	702-1	KOHLER	K-8999				2"
	SUPPLY	McGUIRE	58LK	BRASS CRAFT	R92AC	KOHLER	K-7605-P-CP		1/2"	1/2"	
WALL HUNG LAVATORY SHALL BE MADE OF CAST IRON WITH A WHITE FINISH. HAVE 4" CENTERS, AN OVERFLOW. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. DECK MOUNTED HARDWIRED SENSOR FAUCET SHALL BE CHROME FINISH, 4" CENTERS, WITH 3/8" COPPER SUPPLY TUBE INLETS, AND PROVIDED WITH AN AERATOR. R920 SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEM, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS. OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW AND CAST BRASS SLIP NUT, AND FLANGE. PROVIDE WITH OFFSET DRAIN AND TRUSS-RO LAY SHIELD. PROVIDE FAUCET WITH COVER PLATE AND WATER TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B25.3. PROVIDE WITH LOW VOLTAGE TRANSFORMER AND LOW VOLTAGE WIRING.											
	MOP RECEPTOR	STERN WILLIAMS	SB-900	FIAT	TSB00						3"
	FAUCET	STERN WILLIAMS	T-10-YB	CHICAGO	897RCF	MOEN	8124		1/2"	1/2"	
	HOSE	STERN WILLIAMS	T-35	FIAT	832AA						
	MOP BRACKET	STERN WILLIAMS	T-40	FIAT	889CC						
MOP RECEPTOR SHALL BE 24" x 24" x 12" DEEP WITH ONE PIECE STAINLESS STEEL CAP, NO FLANGES.											
	WATER CLOSET	KOHLER	K-96057-0	SLOAN	ST-2029	AMERICAN STANDARD	Z305100				4"
	SEAT	BEMIS	1655SSC	KOHLER	K-4670-C-0	CHURCH	9500C				
	VALVE	SLOAN	1H6/U	DELANY		ZURN			1"	-	
TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN AND 1 1/2" TOP SPUD. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. EXPOSED HARDWIRED SENSOR, CHROME PLATED FLUSH VALVE WITH 1 1/2" CHROME PLATED SPUD COUPLING AND FLANGE. PROVIDE WITH LOW VOLTAGE TRANSFORMER AND LOW VOLTAGE WIRING.											
	WATER HEATER	EEMAX	SP242						3/8"	3/8"	
	ELECTRIC INSTANTANEOUS WATER HEATER SHALL HAVE AN ELECTRIC INPUT OF 24 KW AT 120 VOLT, SINGLE PHASE. WIRING BY LICENSED ELECTRICAL CONTRACTOR.										
	WATER HEATER	EEMAX	SP352						3/8"	3/8"	
	ELECTRIC INSTANTANEOUS WATER HEATER SHALL HAVE AN ELECTRIC INPUT OF 35 KW AT 240 VOLT, SINGLE PHASE. WIRING BY LICENSED ELECTRICAL CONTRACTOR.										

**PLUMBING SCHEDULE NOTES AND LEGEND:**

- THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
- SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
- PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
- REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.

 ADA COMPLIANT  
 ELECTRICAL POWER  
 GAS FIRED

ALL VENT PIPING IS TO BE 2" UNLESS NOTED OTHERWISE.



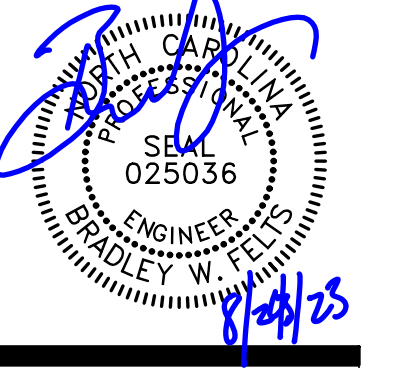
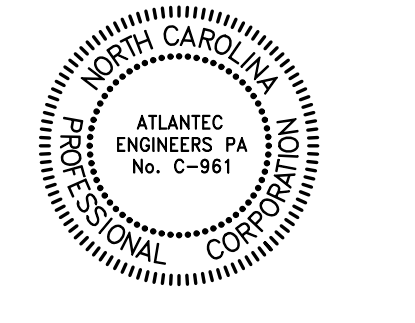
## 1 WASTE RISER PLAN

P2.1 NOT TO SCALE

OAKLEY COLLIER ARCHITECTS  
OCA ARCHITECTS  
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

ATLANTEC ENGINEERS, PA  
322 ELLE ROSE ROAD, SUITE 103  
RALEIGH, NC 27602  
(919) 971-1111

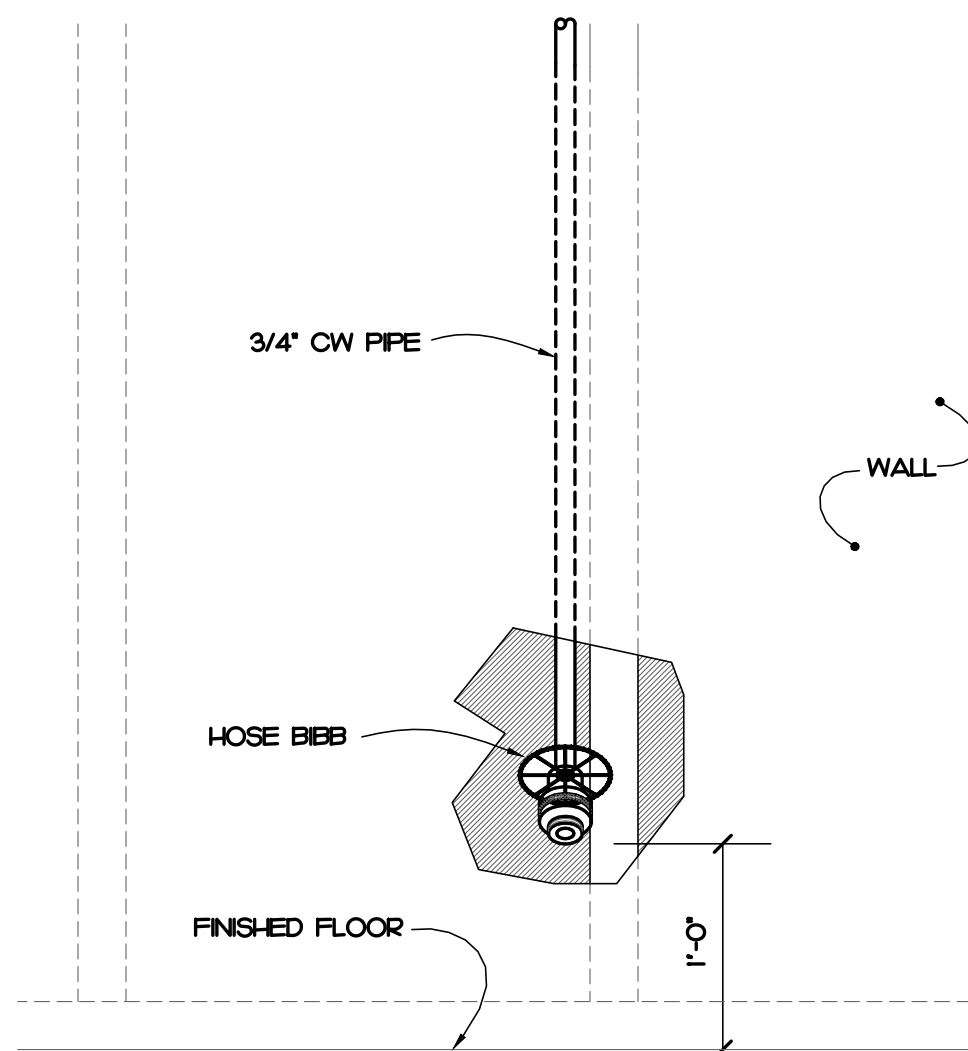
NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657



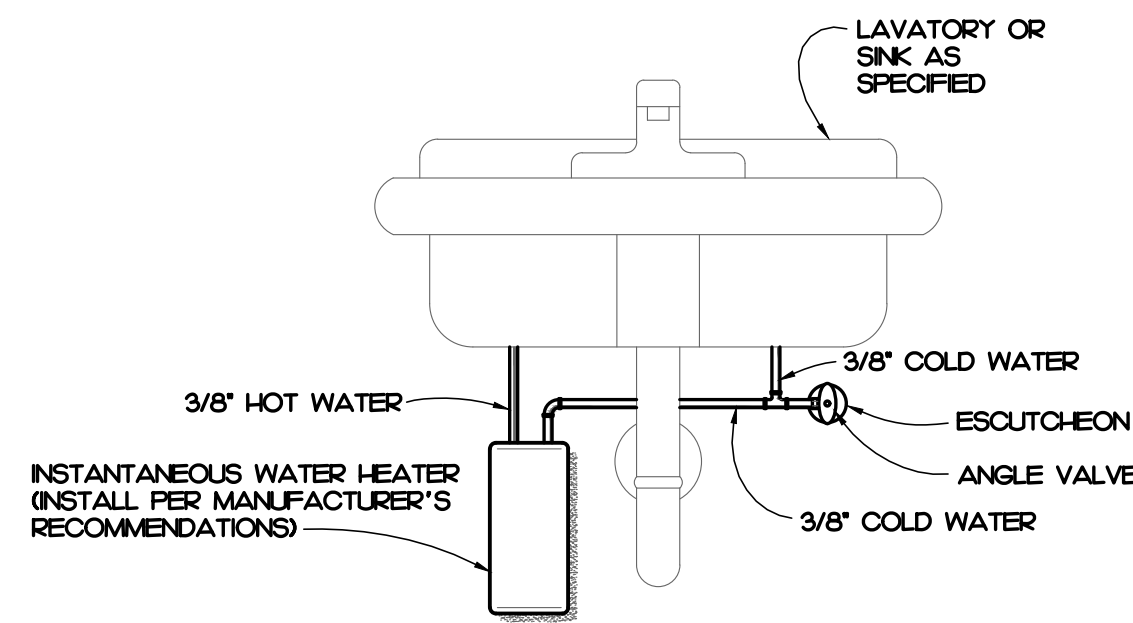
GENERAL NOTE:  
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	
Date	Project No.
08/25/23	21056
Drawn By	Sheet No.
NGB	P2.1
Checked By	
BWF	
Sheet Title	
PLUMBING FIXTURE SCHEDULE AND RISER	

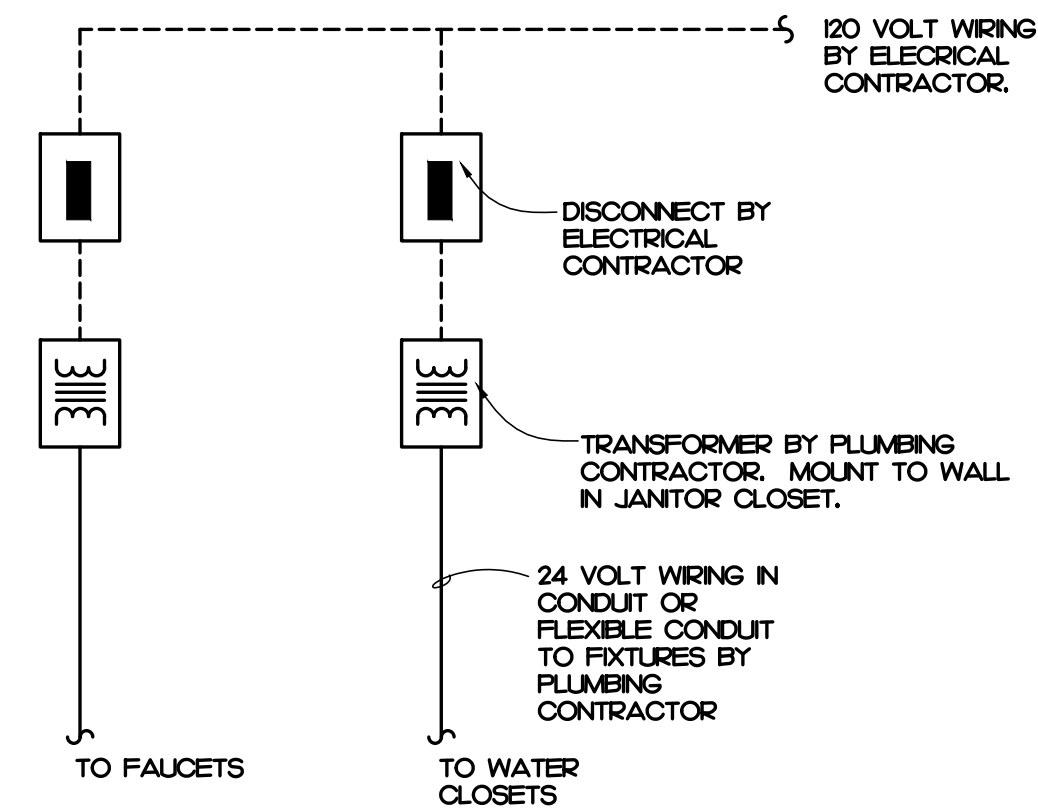
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



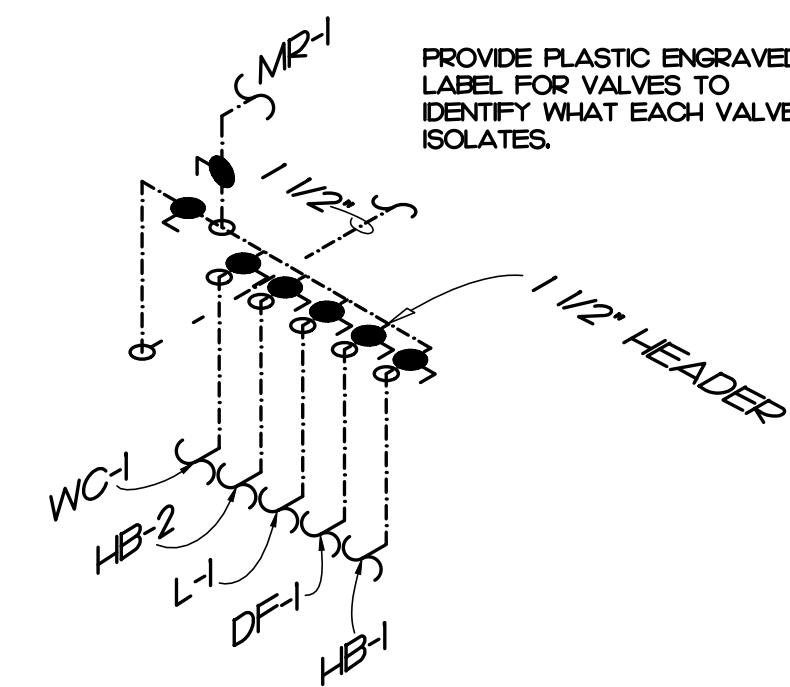
**7 INTERIOR HOSE BIB DETAIL**  
P3.1 NOT TO SCALE



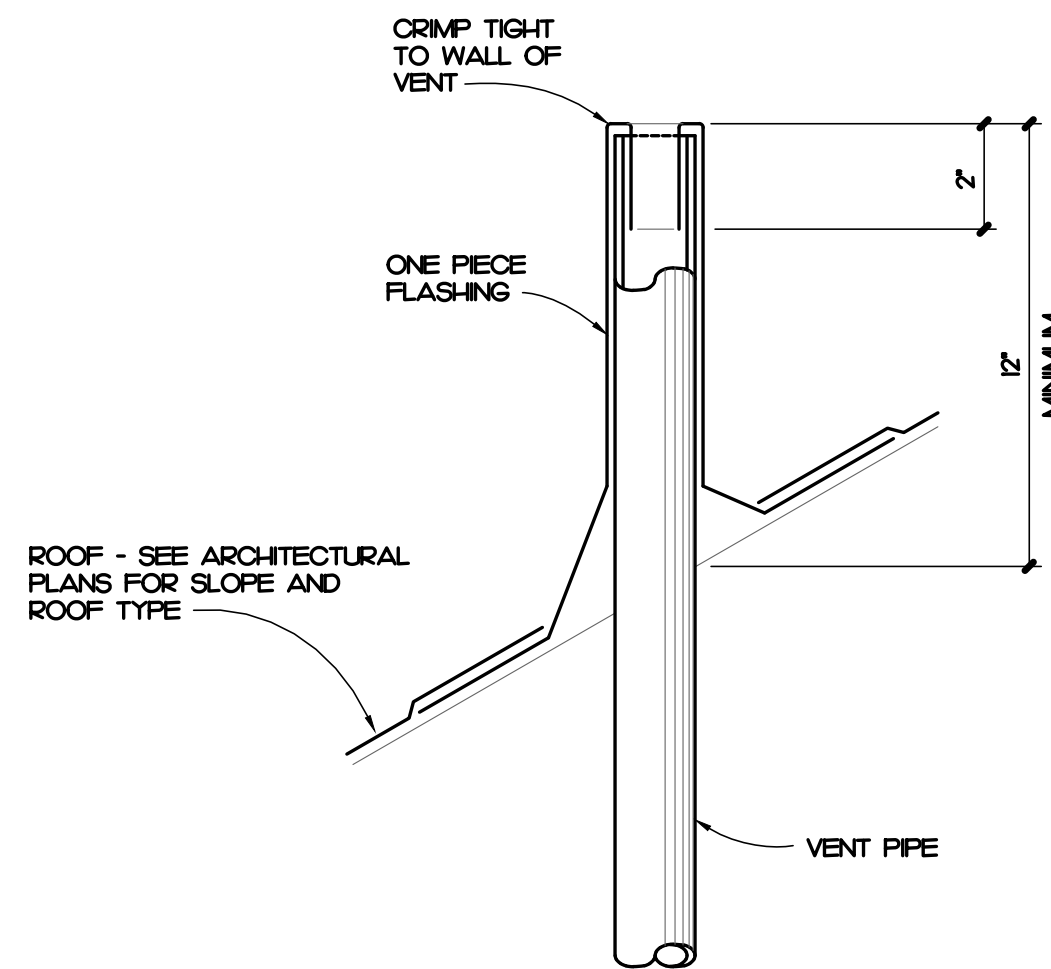
**8 WH-1 MOUNTING DETAIL**  
P3.1 NOT TO SCALE



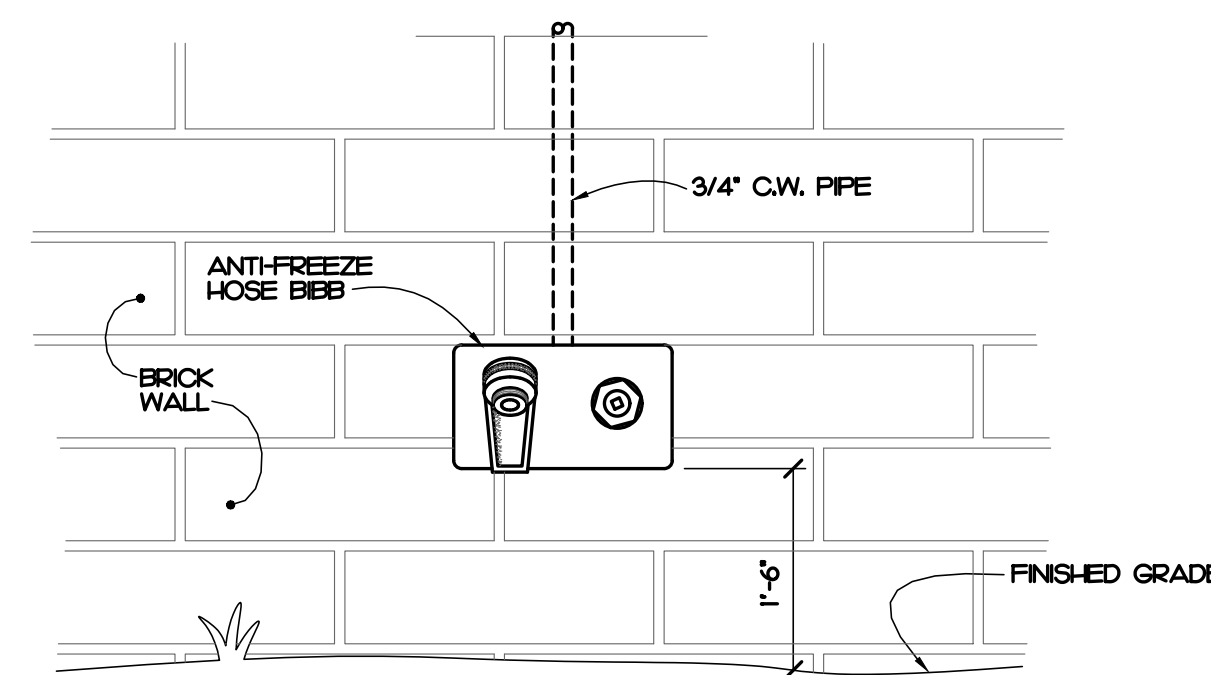
**9 LOW VOLTAGE WIRING DETAIL**  
P3.1 NOT TO SCALE



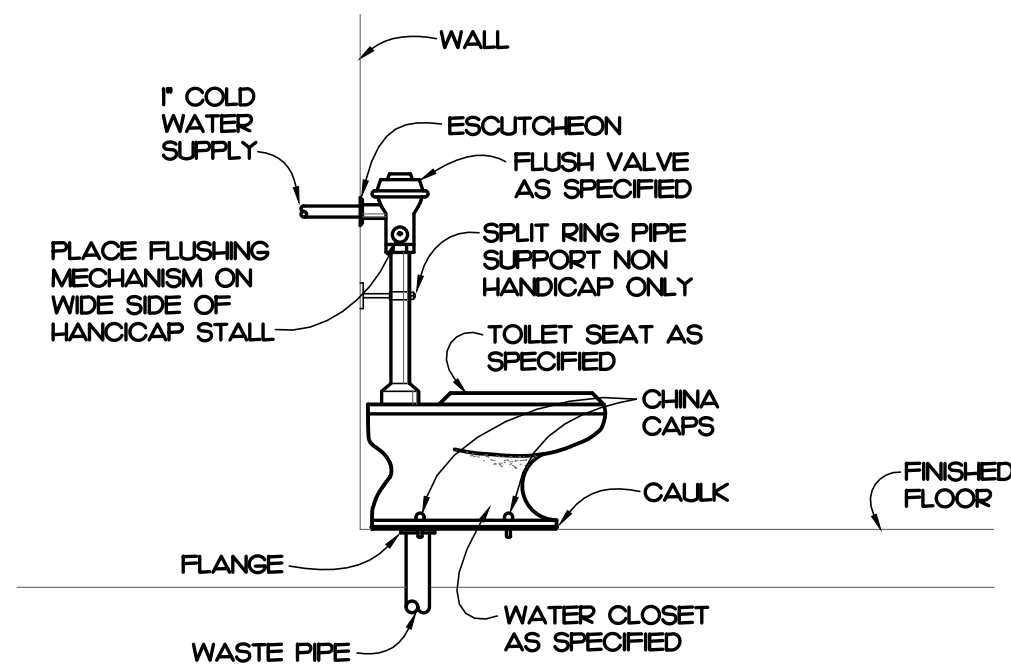
**6 HEADER RISER DETAIL**  
P3.1 NOT TO SCALE



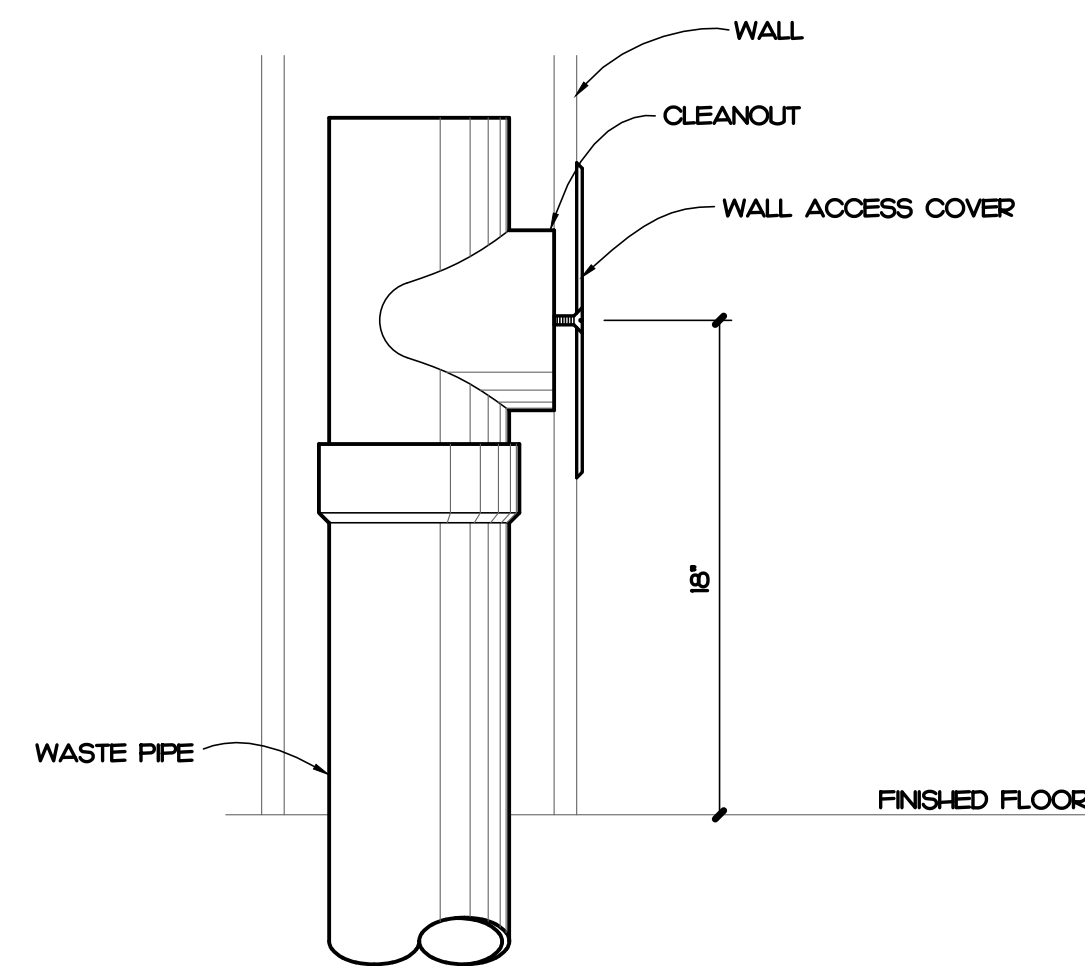
**5 VENT THROUGH ROOF DETAIL**  
P3.1 NOT TO SCALE



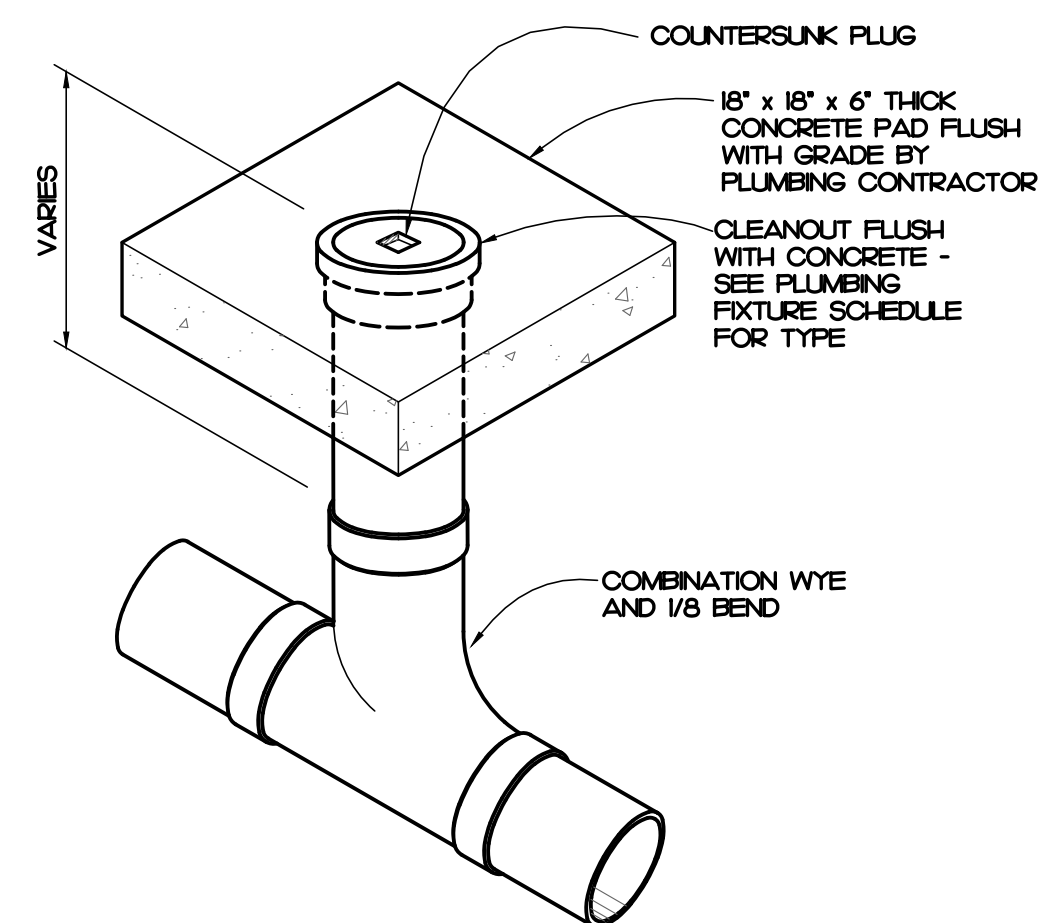
**4 EXTERIOR HOSE BIB DETAIL**  
P3.1 NOT TO SCALE



**1 WATER CLOSET DETAIL**  
P3.1 NOT TO SCALE



**2 WALL CLEAN OUT DETAIL**  
P3.1 NOT TO SCALE



NOTE: SEE SITE AND/OR UTILITY PLAN FOR LOCATION AND FINISH GRADE ELEVATION

**3 EXTERIOR CLEAN OUT DETAIL**  
P3.1 NOT TO SCALE

**PLUMBING GENERAL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- 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.
- WATER PIPING BELOW GRADE SHALL BE PEX PIPE (NO JOINTS BELOW GRADE) AND ABOVE GRADE PEX PIPE, SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR ONE HOUR AT 80 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
- WATER PIPING LOCATED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
- ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE 1\"/>
- STENCIL ALL PIPING WITH IDENTIFICATION AND FLOW ARROW • 10\"/>
- DO NOT SUPPORT PIPING FROM BAR JOIST BRIDGING AND/OR ROOF DECK.
- 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\"/>
- IF THE WATER PRESSURE EXCEEDS 80 PSI A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING.
- PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
- WATER HEATERS SHALL HAVE AN EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
- SANITARY SEWER AND VENT PIPING SHALL BE SCHEDULE 40 PVC. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
- 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.
- 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.
- VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 5\"/>
- SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
- THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MAN-HOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE OWNER.
- THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

**PLUMBING SYMBOL LEGEND**

SYMBOL	DESCRIPTION
---	COLD WATER PIPING
---	HOT WATER PIPING
○	BALL VALVE
○	WATER PIPING TURNED DOWN
○	WATER PIPING TURNED UP
---	SANITARY SEWER / WASTE PIPING
---	SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW
○	VENT PIPE UP
○	NON FREEZE WALL HYDRANT
○	HOSE BIB
○	PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR
○	WALL CLEANOUT
○	EXTERIOR CLEANOUT
○	FLOOR DRAIN
○	VENT THRU ROOF
○	ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR. ROUTE PIPING TO AVOID.
○	V.T.R.
○	E.C.

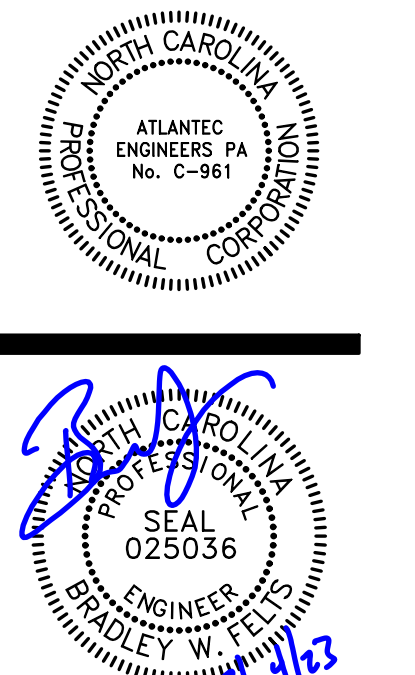
**PLUMBING LOAD SUMMARY**

SANITARY SEWER DEMAND FUJ	WATER DEMAND FUJ	WATER DEMAND GPM
20.0	30.0	42.0

**OAKLEY COLLIER ARCHITECTS**  
**OCA ARCHITECTS**  
 109 Candlewood Road, Rocky Mount, NC 27854 (P) 252.937.2500  
 205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**ATLANTEC**  
 ENGINEERS, PA  
 322 ELLE ROSE ROAD, SUITE 103  
 WALKER, NC 27022  
 (919) 571-1111

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657

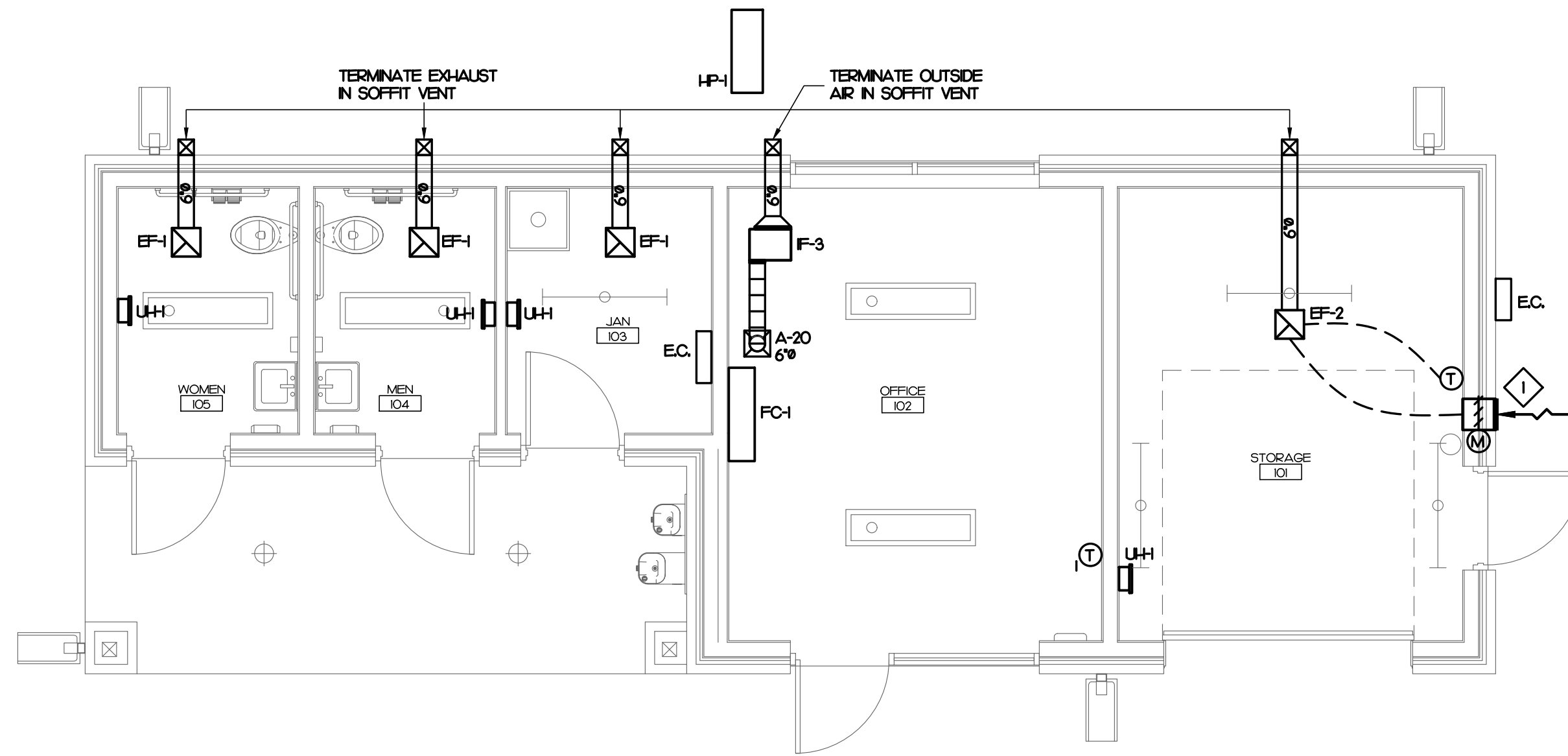


GENERAL NOTE:  
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions

Date	Project No.
08/25/23	21056
Drawn By	Sheet No.
NGB	P3.1
Checked By	
BWF	
Sheet Title	
PLUMBING NOTES, LEGEND, AND DETAILS	

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



### MECHANICAL KEY NOTES

◇ PROVIDE 12X12 LOUVER FOR 185 CFM AND 0.3 SQFT OF FREE AREA. PROVIDE WITH 120V/24V MOTORIZED DAMPER AND INTERLOCK OPERATION WITH EF-2. PROVIDE WITH KYNAR FINISH AND BIRD SCREEN.

### SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	EXHAUST FAN
	THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR
	MOTOR OPERATED DAMPER
	FLEXIBLE DUCT
	SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM

### OUTSIDE AIR SUMMARY

REQUIRED:  
 OFFICE - 202 SQFT • 0.06 CFM/SQFT + 1 PER • 5 CFM/PER • 18 CFM  
 PROVIDED:  
 OFFICE (F-3): 20 CFM

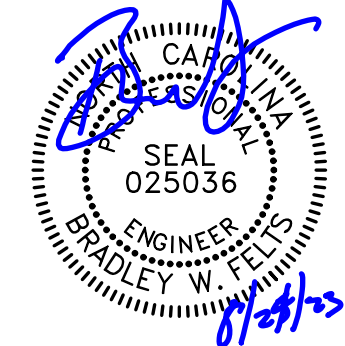
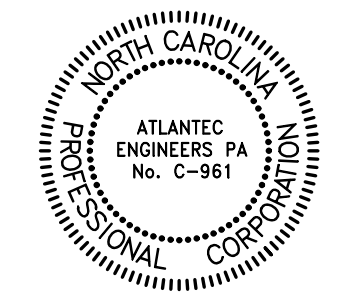
## 1 MECHANICAL PLAN

M1.1 SCALE: 1/4" = 1'-0"

**OAKLEY COLLIER ARCHITECTS**  
**OCA ARCHITECTS**  
 109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
 205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**ATLANTEC**  
 ENGINEERS, PA  
 322 ELLE ROSE ROAD, SUITE 103  
 RALEIGH, NC 27602  
 (919) 571-1111

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCCC# 2657



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

Revisions	
Date	Project No.
08/25/23	21056
Drawn By	Sheet No.
NGB	M1.1
Checked By	
BWF	
Sheet Title	
MECHANICAL PLAN	

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE**

PREScriptive  ENERGY COST BUDGET   
THERMAL ZONE 4A

EXTERIOR DESIGN CONDITIONS  
winter dry bulb: 16°F  
summer dry bulb: 93°F  
relative humidity: 46%

INTERIOR DESIGN CONDITIONS  
winter dry bulb: 70°F  
summer dry bulb: 74°F  
relative humidity: 50%

BUILDING HEATING LOAD: BLOCK LOAD = 27.0 MBH  
BUILDING COOLING LOAD: BLOCK LOAD = 8.9 MBH (0.7 TON)

**MECHANICAL SPACING CONDITIONING SYSTEM**

Unitary:  
description of unit:  
heating efficiency:  
cooling efficiency:  
heat output of unit:  
cooling output of unit:  
Boiler: NA  
total boiler capacity, if oversized state reason.  
Chiller: NA  
total chiller capacity, if oversized state reason.

LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES ON THIS SHEET

**EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)**

motor horsepower:  
number of phases:  
minimum efficiency:  
motor type:  
# of poles:  
SEE SCHEDULES ON THIS SHEET

**DESIGNER STATEMENT**

To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Energy Code.

SIGNED: 

NAME: Bradley W. Felts, PE

TITLE: Professional Engineer

**SPLIT SYSTEM HEAT PUMP SCHEDULE**

INSIDE UNIT				OUTSIDE UNIT						
MARK	BASIS OF DESIGN	FAN CFM	F.L.A.	MARK	BASIS OF DESIGN	COOLING / HEATING CAPACITY	ELECTRICAL POWER (MCA/MCOEP)	EFFICIENCY COOLING	EFFICIENCY HEATING	NOTES
FC-1	MITSUBISHI PKA-A12KA7	350	0.33	HP-1	MITSUBISHI PLZ-A12KA7	120/14.0 MBH	230/1 II 15	20.8 SEER	10.2 HSPF	I-4

EQUALS BY DAIKIN LG, TRANE

**NOTES:**

1. PROVIDE FUSIBLE DISCONNECT ON OUTDOOR UNIT.
2. PROVIDE MOTOR RATED SWITCH FOR INDOOR UNIT.
3. ROUTE CONDENSATE DISCHARGE TO EXTERIOR.
4. PROVIDE WITH WIRED THERMOSTAT.

**ELECTRIC UNIT HEATER SCHEDULE**

MARK	BASIS OF DESIGN	LOCATION	CFM	CAPACITY (Btu/h)	ELECTRICAL (A) @ V	POWER (KW)	NOTES
LH-1	QMARK CW-H20DSF	TLT, JAN, STOR.	65	6143	15.0 18	120/1	I-3

EQUALS BY REZNOR, DETROIT, BERKO

**NOTES:**

1. PROVIDE WITH POWER DISCONNECT.
2. PROVIDE WITH INTEGRAL THERMOSTAT.
3. PROVIDE WITH SURFACE MOUNTING KIT

**GRILLE & DIFFUSER SCHEDULE**

MARK	BASIS OF DESIGN	SERVICE	TYPE	MAX. CFM	FACE SIZE	NECK SIZE	NOTES
A	PRICE SMD	SUPPLY	SURFACE MOUNT	100	8x8	6"	12

EQUALS BY METALARE, NALOR, TITUS

**NOTES:**

1. COORDINATE FINISH WITH ARCHITECT.
2. GRILLE TO HAVE FULLY LOUVERED FACE.
3. FRAME FOR SURFACE MOUNTING.

**EXHAUST FAN SCHEDULE**

MARK	BASIS OF DESIGN	SERVICE	TYPE	CFM	RPM	HP/AMPS	S.P.	POWER	NOTES
EF-1	COOK GC-140	TLT, JAN	CABINET FAN	105	1500	67 Watts	0.25"	120/1	I-3
EF-2	COOK GC-166	STORAGE	CABINET FAN	185	958	78 Watts	0.25"	120/1	I2.45

EQUALS BY GREENHECK, LG, PANASONIC

**NOTES:**

1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. CONTROL VIA LIGHT SWITCH BY E.C.
4. PROVIDE WITH WALL MOUNTED THERMOSTAT.
5. INTERLOCK OPERATION WITH INTAKE LOUVER.

**INTAKE FAN SCHEDULE**

MARK	BASIS OF DESIGN	SERVICE	TYPE	CFM	RPM	HP/AMPS	S.P.	POWER	NOTES
IF-3	COOK GN-126	VENTILATION	INLINE FAN	20	550	19 Watts	0.25"	120/1	I-4

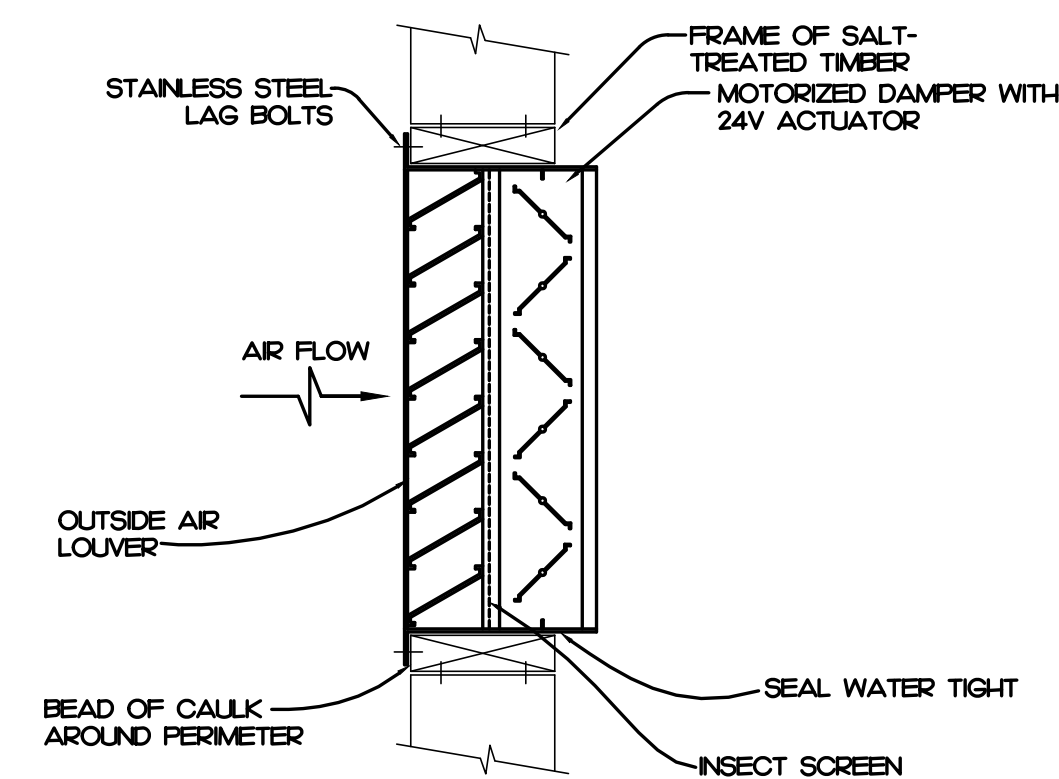
EQUALS BY GREENHECK, LG, PANASONIC

**NOTES:**

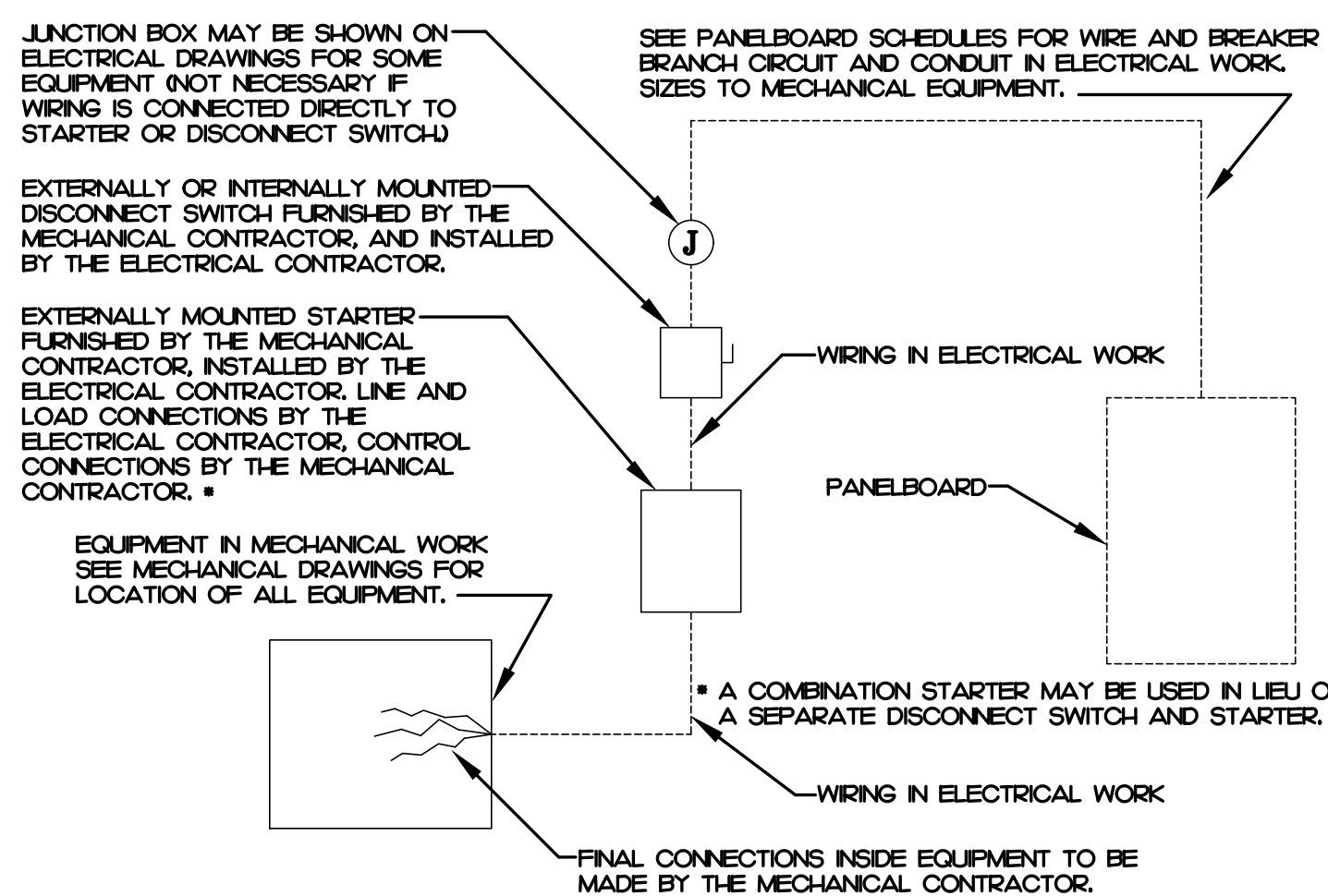
1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. CONTROL VIA LIGHT SWITCH BY E.C.
4. PROVIDE WITH FAN SPEED CONTROLLER.

**GENERAL NOTES**

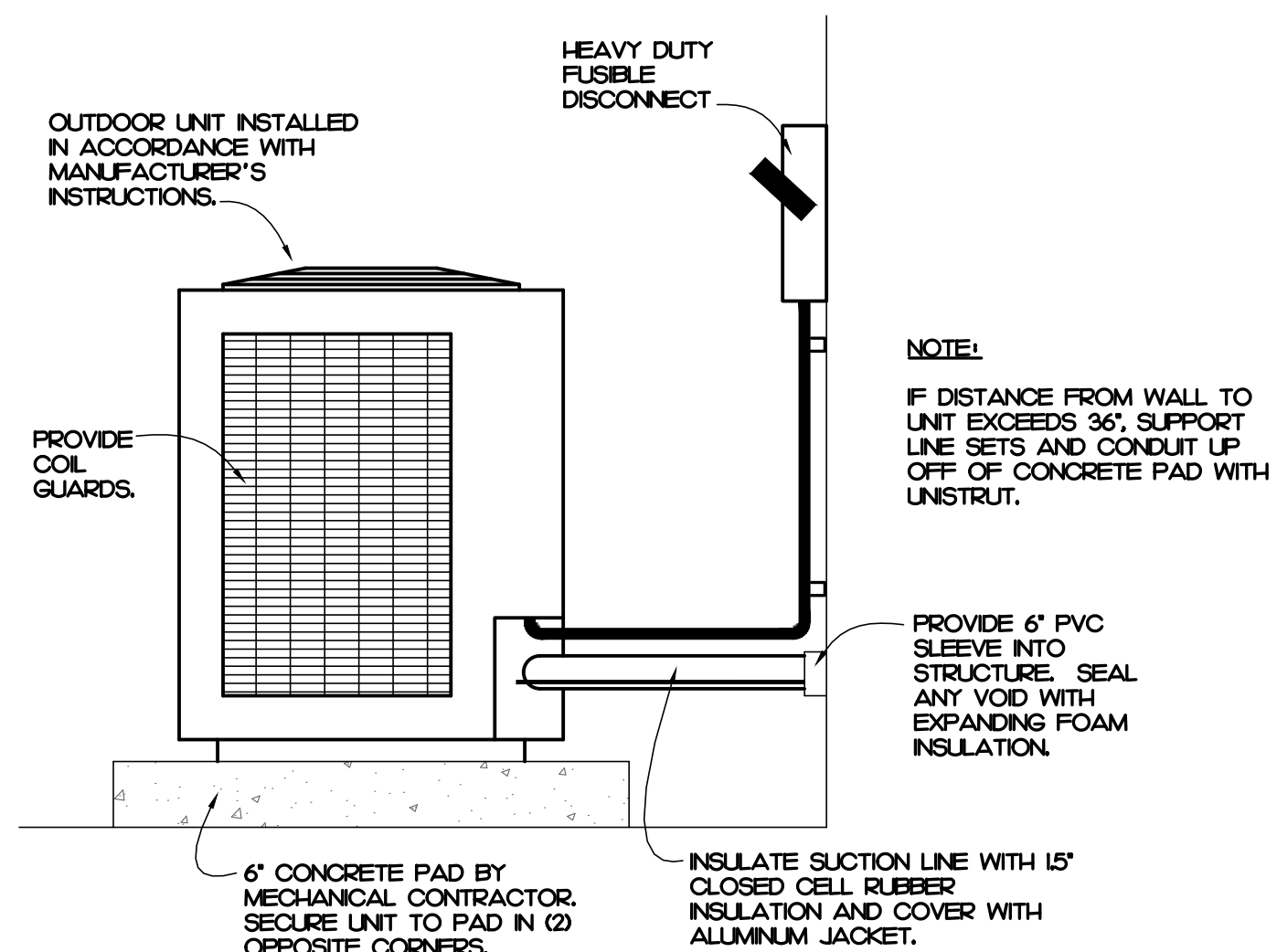
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
2. ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (M.C.).
3. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M.C. SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
4. THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
5. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
6. THE M.C. SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING. THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO HIS EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO HIS EQUIPMENT.
7. ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
8. THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER HIS CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
9. 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.
10. ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS.
11. MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
12. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF JOB.
13. PROVIDE ALL FLEXIBLE DUCTWORK WITH FOIL-BACKED, EXTERNALLY WRAPPED INSULATION FOR A MINIMUM OF R-8.
14. THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
15. PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
16. LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.



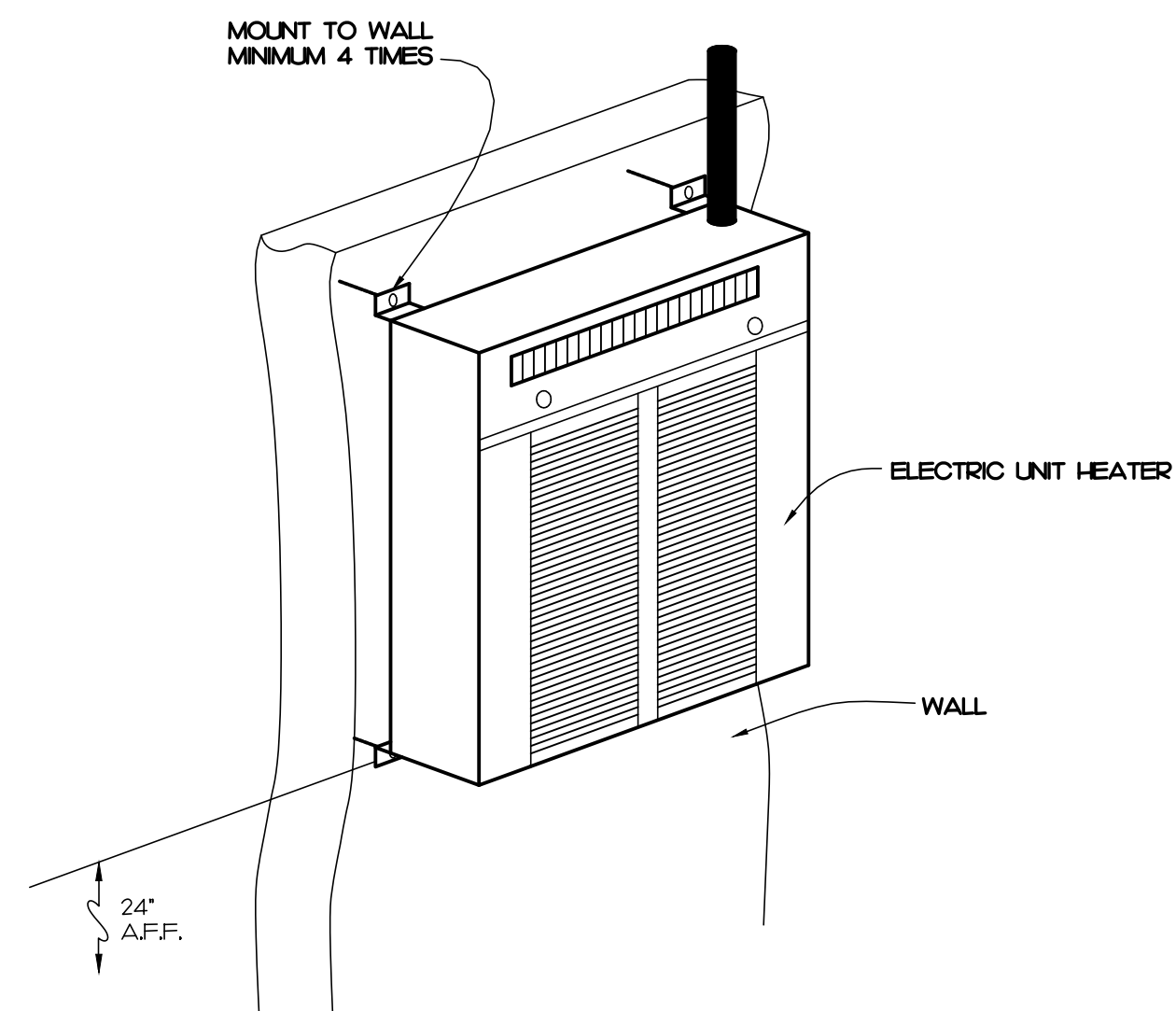
**5 O/A LOUVER DETAIL**  
M2.1 NOT TO SCALE



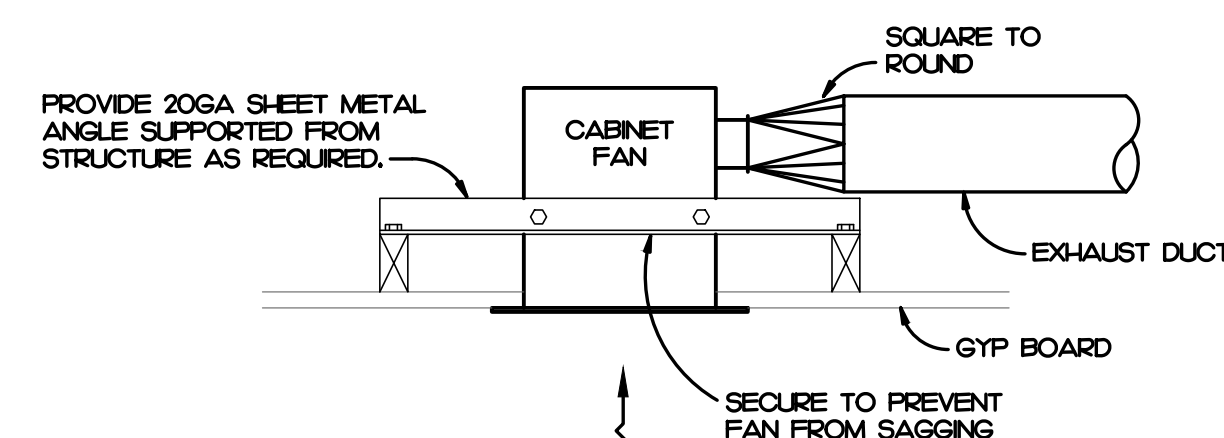
**1 TYPICAL WIRING DETAIL**  
M2.1 NOT TO SCALE



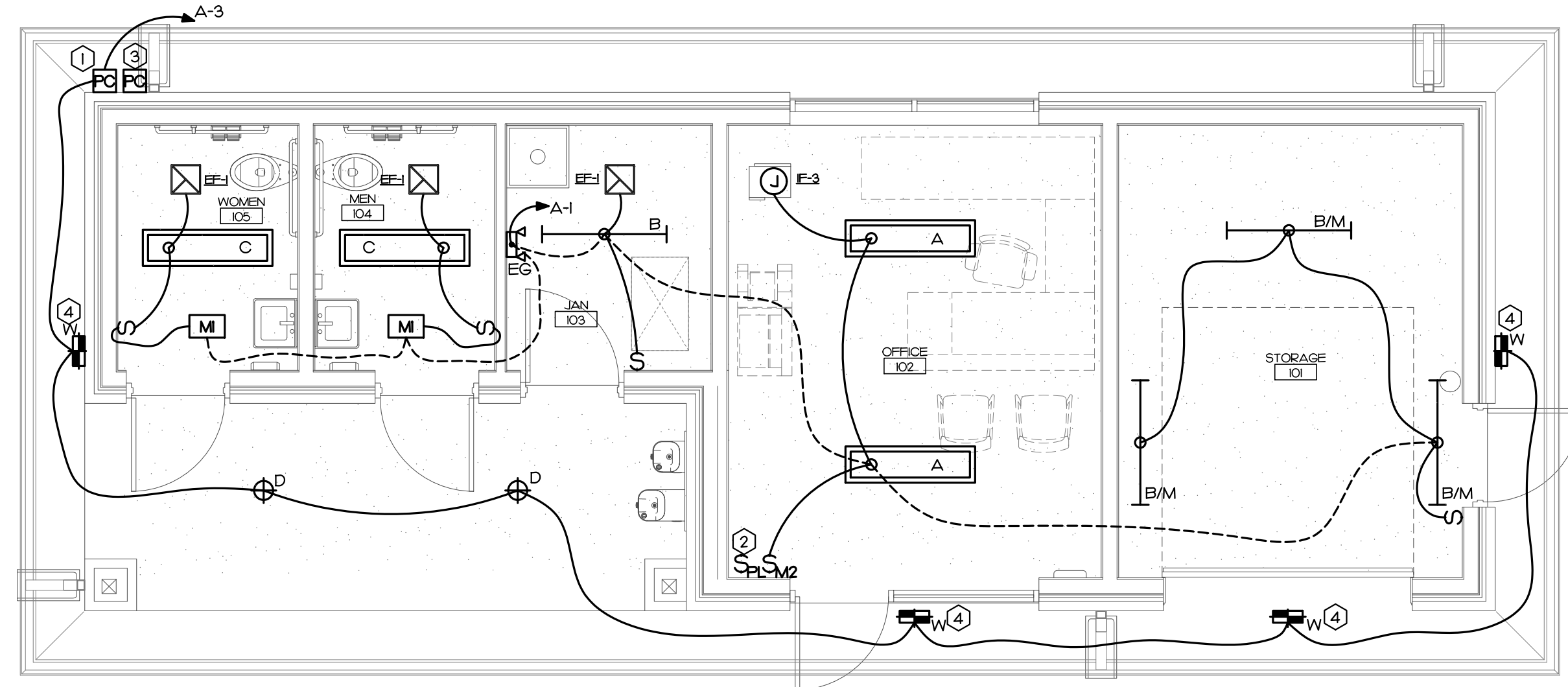
**2 OUTDOOR UNIT DETAIL**  
M2.1 NOT TO SCALE



**3 UNIT HEATER DETAIL**  
M2.1 NOT TO SCALE



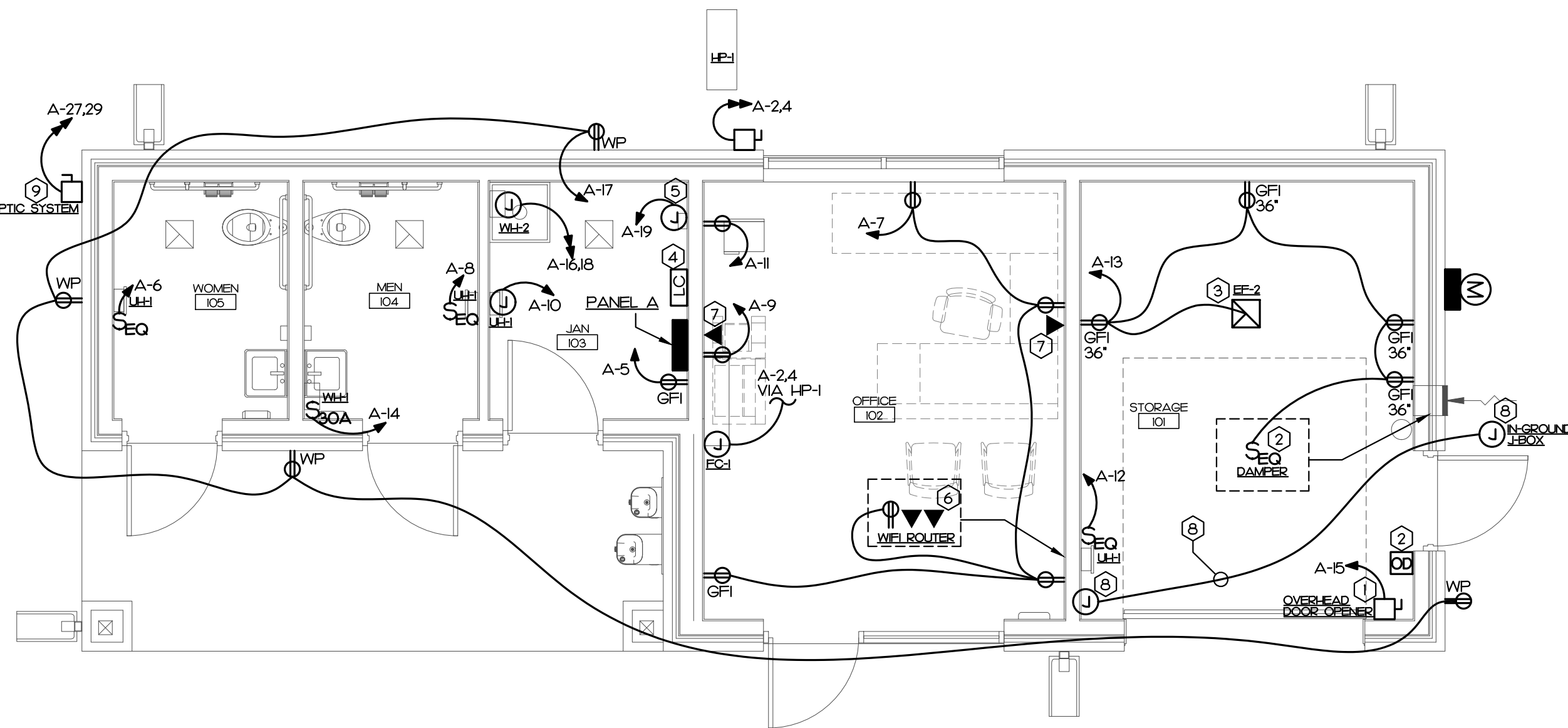
**4 CABINET FAN DETAIL**  
M2.1 NOT TO SCALE



**KEY NOTES**

- ① PHOTO CELL FOR EXTERIOR LIGHT. FIELD VERIFY LOCATION TO FACING NORTH AND NOT TO BE INTERFERED WITH ANY LIGHT SOURCE WITH ARCHITECT PRIOR TO ROUGH-IN.
- ② SWITCH FOR LIGHTING CONTACTOR. SEE DETAIL 5/VEL LABEL "DRIVE TRAINING LIGHTS".
- ③ PHOTOCELL FOR LIGHTING CONTACTOR. SEE DETAIL 5/VEL. FIELD VERIFY LOCATION TO FACING NORTH AND NOT TO BE INTERFERED WITH ANY LIGHT SOURCE WITH ARCHITECT PRIOR TO ROUGH-IN.
- ④ FIELD VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

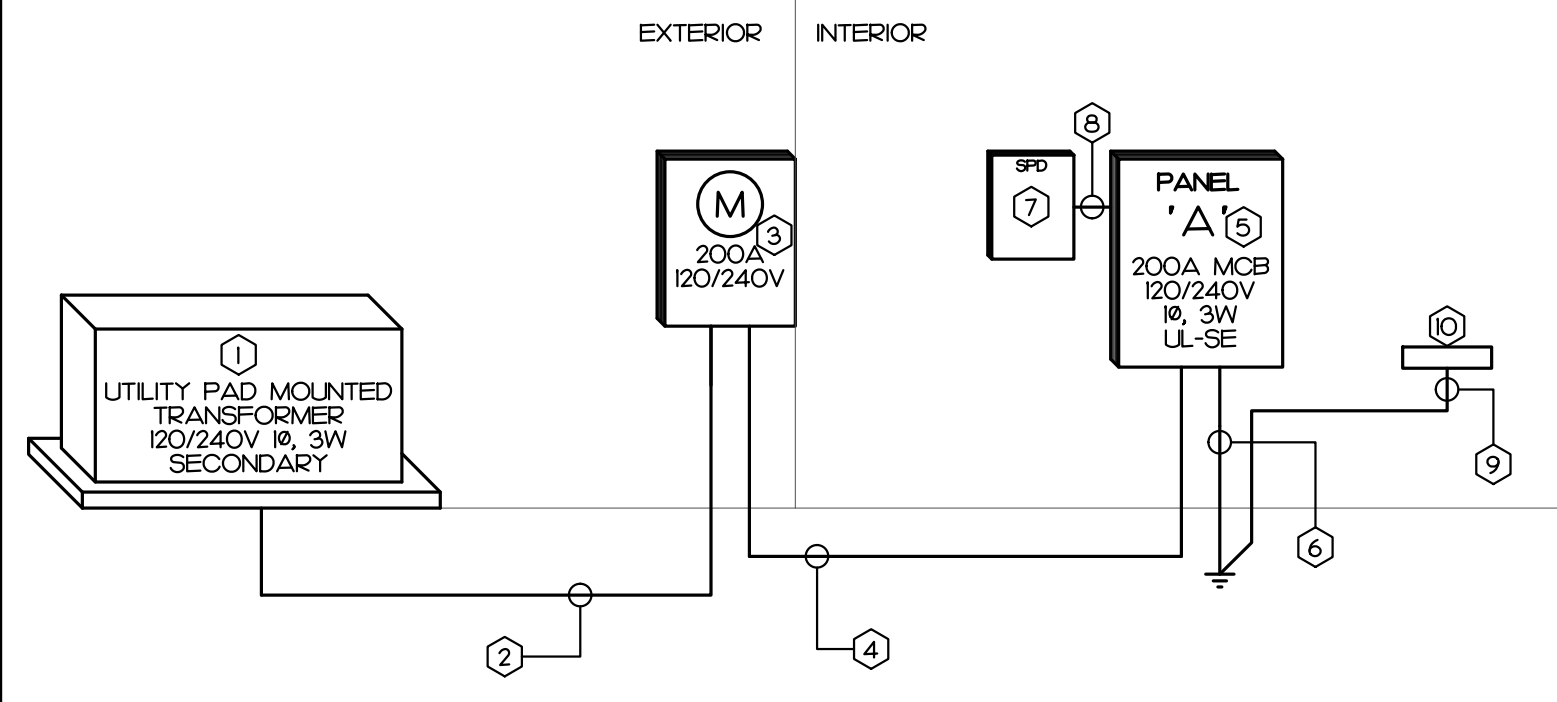
**1 LIGHTING PLAN**  
E1.1 1/4" = 1'-0"



**KEY NOTES**

- ① OVERHEAD DOOR OPERATOR:
  - OVERHEAD DOOR OPERATOR IS FURNISHED AND INSTALLED BY E.C.
  - E.C. SHALL PROVIDE DISCONNECT.
  - E.C. SHALL INSTALL WIRES AND ALL ASSOCIATED ELECTRICAL DEVICES PER MANUFACTURER INSTRUCTION.
  - E.C. FIELD VERIFY CONTROL SWITCH LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. MOUNT CONTROL SWITCH 42" AFF.
- ② PROVIDE POWER CONNECTION FOR DAMPER PER M.C. INSTRUCTION. INTERLOCK WIRE BETWEEN DAMPER AND EF-2 BY M.C.
- ③ CONNECTION FOR EF-2 FAN:
  - FAN IS FURNISHED AND INSTALLED BY M.C.
  - FAN IS WITH QUICK DISCONNECT.
  - E.C. SHALL INSTALL THERMOSTAT AND WIRE PER M.C. INSTRUCTION.
- ④ LIGHTING CONTACTOR. SEE DETAIL 5/VEL.
- ⑤ PROVIDE POWER CONNECTION TO TRANSFORMER FOR AUTO FAUCET/FLUSH PER P.C. INSTRUCTION. FIELD VERIFY EXACT LOCATION WITH P.C. PRIOR TO ROUGH-IN.
- ⑥ RECEPTACLE AND COMMUNICATION OUTLETS FOR WIFI ROUTER ON WALL. FIELD VERIFY EXACT LOCATION AND HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- ⑦ COMMUNICATION OUTLET. PROVIDE FC TO OUTLET AT WIFI-ROUTER (SEE KEY NOTE #6). PROVIDE WITH PULL WIRE.
- ⑧ 1/2" EMPTY CONDUIT, RUN UNDER SLAB FROM RECESSED WALL BOX IN STORAGE 101 TO IN-GROUND J-BOX:
  - FIELD VERIFY RECESSED WALL BOX HEIGHT AND LOCATION IN STORAGE 101 WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE WITH COVER PLATE.
  - PROVIDE GROUND TERMINAL OR GROUND BAR ADJACENT TO WALL BOX WITH #4G CU IN 1/2" TO MAIN GROUNDING.
  - LOCATE IN-GROUND J-BOX APPROX. 5 FT. FROM FOOTING. FIELD VERIFY IN-GROUND J-BOX LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE WITH PULL WIRE.
- ⑨ DISCONNECT FOR SEPTIC SYSTEM:
  - E.C. SHALL FIELD VERIFY WITH CIVIL CONTRACTOR FOR ELECTRICAL REQUIREMENT PRIOR TO ROUGH-IN.
  - E.C. SHALL PROVIDE ELECTRICAL INSTALLATION PER MANUFACTURER INSTRUCTION.
  - E.C. SHALL NOTIFY ENGINEER IF THE REQUIREMENT IS NOT AS SHOWN IN THIS DETAIL.

**2 POWER PLAN**  
E1.1 1/4" = 1'-0"



**KEY NOTES**

- ① UTILITY PAD MOUNTED TRANSFORMER BY UTILITY:
  - PAD IS FURNISHED AND INSTALLED BY UTILITY.
  - E.C. SHALL FIELD COORDINATE LOCATION WITH UTILITY, CIVIL ENGINEER AND ARCHITECT.
- ② 120/240V 10, 3W UNDERGROUND SERVICE BY UTILITY.
- ③ METER BASE BY E.C. PER UTILITY SPECS.
- ④ 3-H3/0 IN 2". CONDUIT RUN UNDER SLAB FROM METER BASE TO PANEL A. SEE DETAIL 3/VE22.
- ⑤ SERVICE PANEL BOARD:
  - SEE PANEL SCHEDULE FOR DETAIL.
  - PROVIDE PLAQUE "SERVICE DISCONNECT" SEE NOTE #1.
- ⑥ GROUNDING ELECTRODE CONDUCTOR PER NEC 250:
  - #4G CU IN 3/4" TO BUILDING STEEL, C.W. MAIN AND REINFORCED STEEL AT CONCRETE FOOTING AND 2 DRIVEN RODS.
- ⑦ PROVIDE SURGE PROTECTIVE DEVICE:
  - 1-L, 1-L, 1-G PROTECTION WITH MIN. 120KA.
  - WITH SURGE COUNTER.
  - NEMA 1 ENCLOSURE.
  - MOUNT ADJACENT TO PANEL A.
  - PRODUCT SHALL BE THE SAME MANUFACTURER AS THE PANEL BOARD.
- ⑧ SEE PANEL SCHEDULE FOR DETAIL.
- ⑨ #4G CU IN 1/2".
- ⑩ GROUND TERMINAL OR GROUND BAR ADJACENT WALL BOX PER KEY NOTE #8 IN DETAIL 2/VEL.

**NOTES**

- 1. FAULT CURRENTS:
  - E.C. SHALL OBTAIN AVAILABLE FAULT CURRENT AT METER BASE FROM UTILITY AND PROVIDE INFORMATION TO ENGINEER TO CALCULATE AVAILABLE FAULT CURRENTS FOR SERVICE DISCONNECT AND PANEL BOARD.
  - E.C. SHALL PROVIDE LABEL INDICATING FAULT CURRENTS ON ALL SERVICE DISCONNECTS AND PANEL BOARDS PER ENGINEER INSTRUCTION.

**3 POWER RISER DIAGRAM**  
E1.1 NO SCALE

**PANEL A** 120/240V, 1 PHASE, 3 WIRE

OCT	DESCRIPTION	KVA	C	G	W	CB	OCT	OCT	W	G	C	KVA	DESCRIPTION	OCT
1	LIGHTS	0.4	1/2	12	12	20	1	2	5	12	12	13		HP-1
3	LIGHTS	0.1	1/2	12	12	20	3	4	2P	12	--	--		4
5	REC	0.05	1/2	12	12	20	5	6	20	12	12	18	105	WH-6
7	REC	0.02	1/2	12	12	20	7	8	20	12	12	18	104	WH-8
9	REC	0.02	1/2	12	12	20	9	10	20	12	12	18	103	WH-10
11	REC	0.02	1/2	12	12	20	11	12	20	12	12	18	101	WH-12
13	REC	0.01	1/2	12	12	20	13	14	25	10	10	24	104	WH-14
15	OVERHEAD DOOR OPENER	0.08	1/2	12	12	20	15	16	20	12	12	18	103	WH-16
17	REC	0.09	1/2	12	12	20	17	18	2P	12	--	--		18
19	AUTO FAUCET/FLUSH	0.03	1/2	12	12	20	19	20	5	8	8	1	0.7	POLE FLOOD LIGHT
21	FUTURE LOAD	0.0	1	12	12	20	21	22	2P	8	--	--	0.7	POLE FLOOD LIGHT
23	FUTURE LOAD	0.0	1	12	12	20	23	24	20	8	8	1	0.7	POLE FLOOD LIGHT
25	HOT BOX	0.3	1	12	12	20	25	26	2P	8	--	--	0.7	POLE FLOOD LIGHT
27	SEPTIC SYSTEM	1.2	1	12	12	20	27	28	5	8	8	1	0.7	POLE FLOOD LIGHT
29		0.0	--	--	--	2P	29	30	2P	8	--	--	0.7	POLE FLOOD LIGHT
31	SPACE ONLY	0.0	--	--	--	31	32	5	8	8	1	0.5		32
33	SPACE ONLY	0.0	--	--	--	33	34	2P	8	--	--	0.5		34
35	SPACE ONLY	0.0	--	--	--	35	36	5	8	8	1	0.7		36
37	SPACE ONLY	0.0	--	--	--	37	38	2P	8	--	--	0.7		38
39	SURGE PROTECTIVE DEVICE	0.0	3/4	10	10	30	39	40	5	12	12	12	0.3	LIGHTING CONTACTOR
41	PROVIDE #10 NEUTRAL	0.0	--	--	--	10	2P	41	42	--	--	0.0		42

200 A MINIMUM BUS SIZE  
200 A MAIN CIRCUIT BREAKER  
10 K MINIMUM AIC RATING

DESCRIPTION CONNECTED KVA DEMAND FACTOR DEMAND KVA

CONT. LOAD 7.14 125% 8.93

RECEPTACLE 3.06 100% 3.06

MTRS/COOLS 5.04 100% 5.04

HEATS 7.20 100% 7.20

WATER HEATER 5.90 100% 5.90

EQUIPMENT 1.5 100% 1.5

KITCHEN EQUIP. 0.00 65% 0.00

SPECIAL EQ. 0.00 100% 0.00

25% OF LARGEST HVAC/MOTOR 0.66 4

TOTAL DEMAND 3.94 5

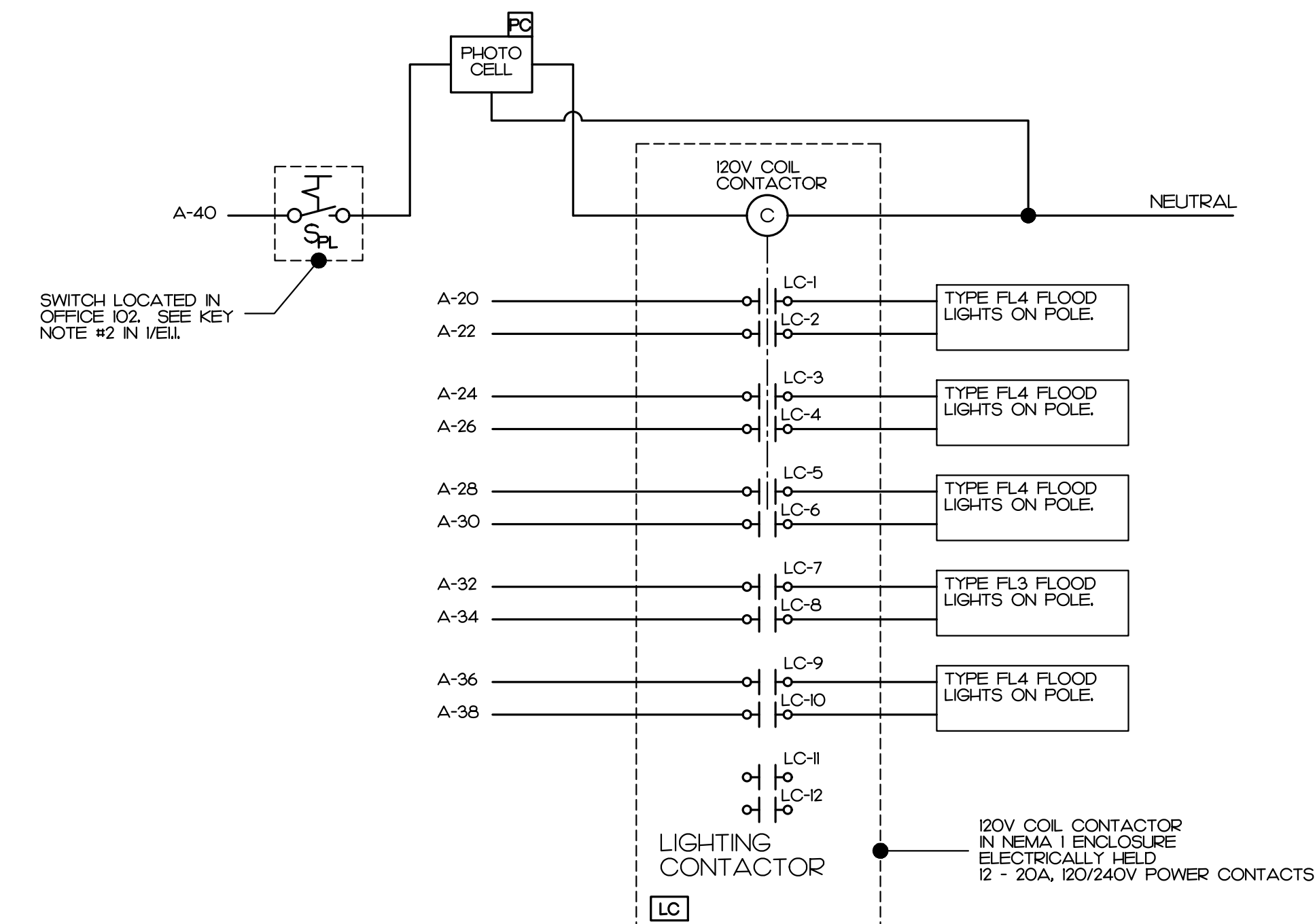
NOTES: 1. SEE SPECIFICATION

CONNECTED LOADS:  
PHASE A: 5.9 KVA  
PHASE B: 13.6 KVA  
TOTAL: 29.5 KVA  
DEMAND 13.3 AMP

200 A MINIMUM BUS SIZE  
200 A MAIN CIRCUIT BREAKER  
10 K MINIMUM AIC RATING

SURFACE MOUNTING  
NEMA 1 ENCLOSURE  
GROUND BAR  
UL LISTED FOR USE AS SERVICE EQUIPMENT

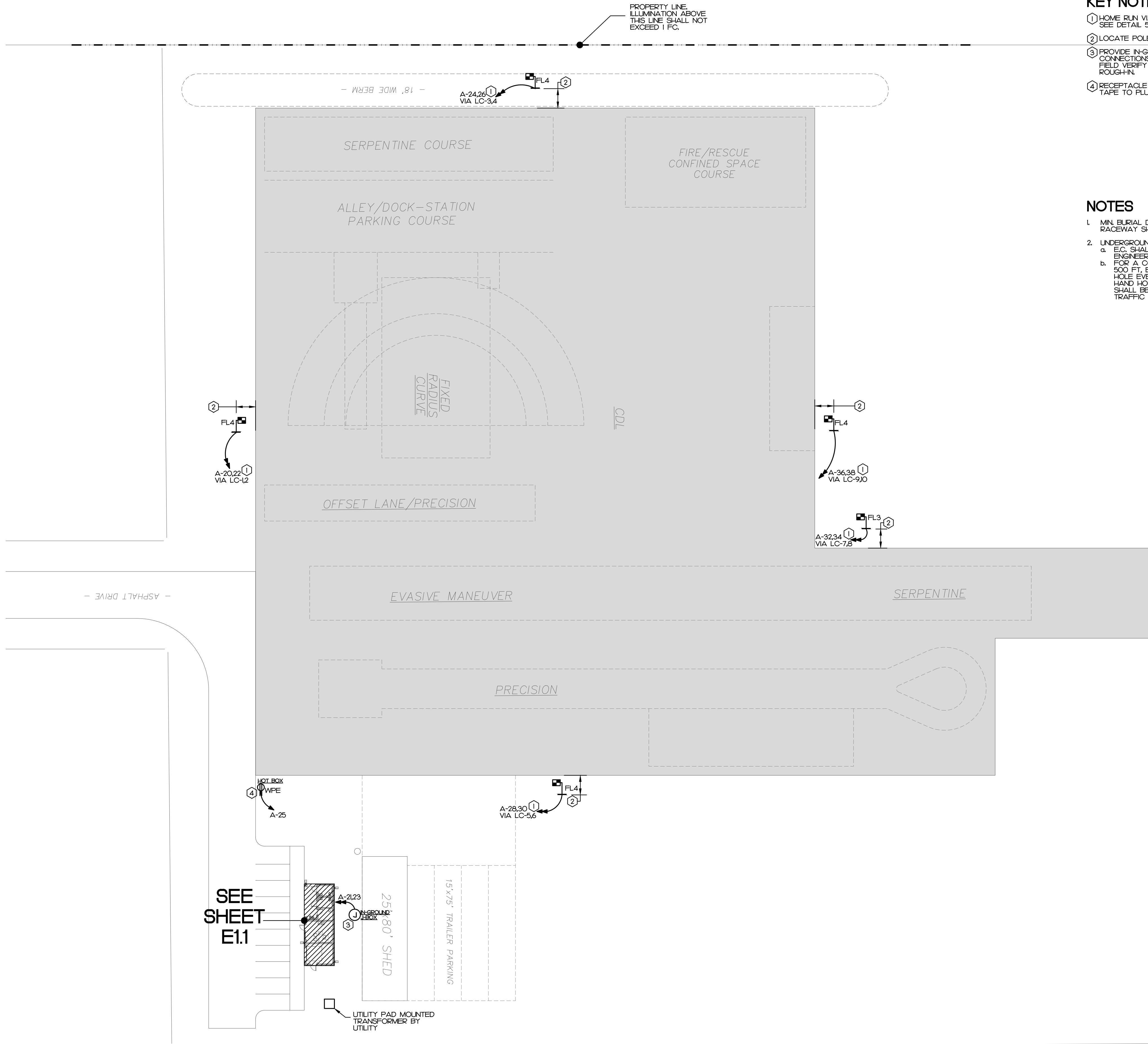
**4 PANEL SCHEDULE**  
E1.1 NO SCALE



**5 LIGHTING CONTACTOR DIAGRAM**  
E1.1 NO SCALE

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

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



**KEY NOTES:**

- ① HOME RUN VIA LIGHTING CONTACTOR. SEE DETAIL 5/E11.
- ② LOCATE POLE 10 FT. (MIN) FROM DRIVING PAD.
- ③ PROVIDE IN-GROUND JUNCTION BOX FOR FUTURE LOAD CONNECTIONS. FIELD VERIFY LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- ④ RECEPTACLE LOCATED INSIDE HOT BOX FOR HEAT TAPE TO PLUG-IN.

**NOTES:**

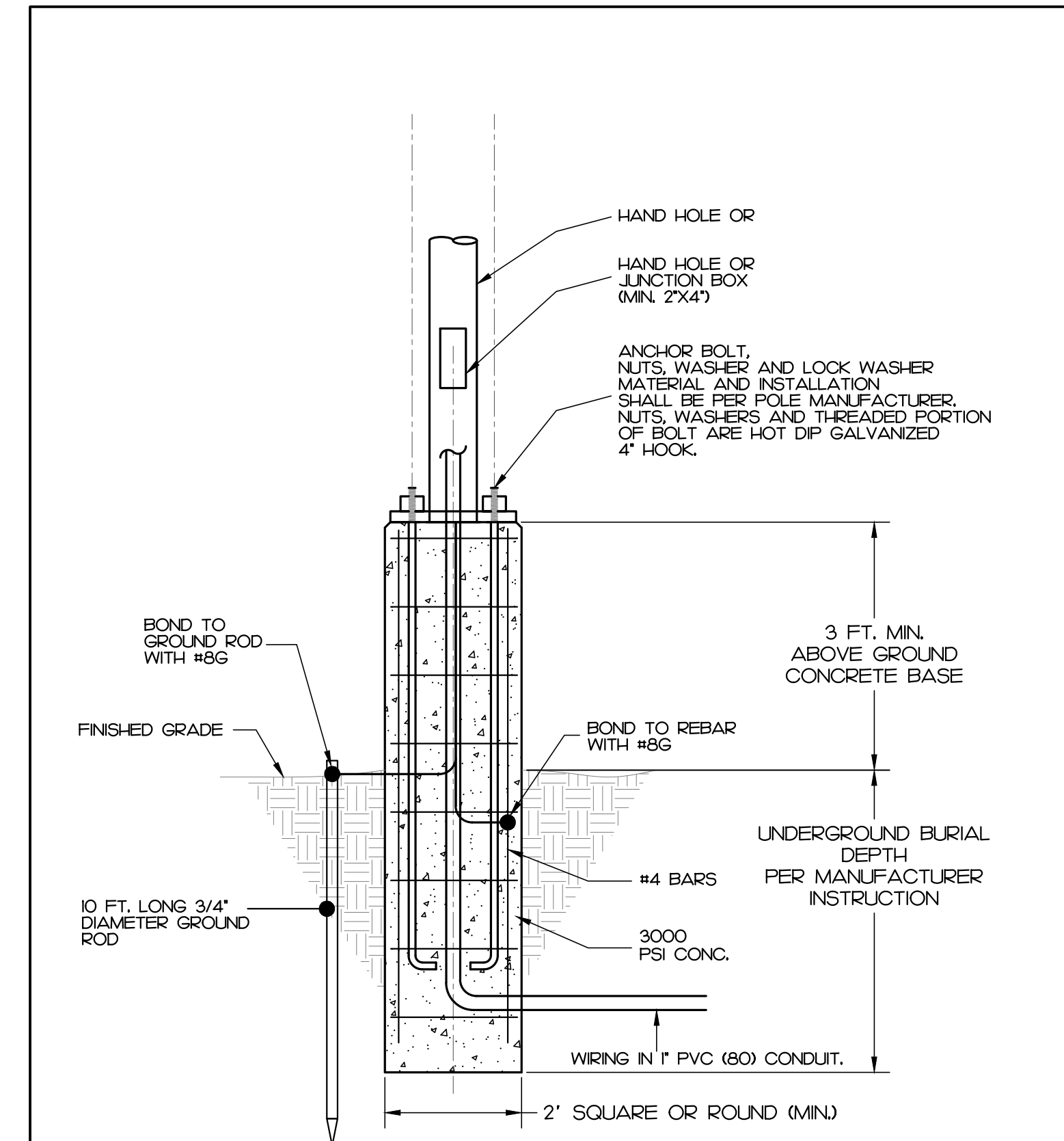
1. MIN. BURIAL DEPTH FOR ALL UNDER GROUND RACEWAY SHALL BE 24" B.F.G.
2. UNDERGROUND RACEWAY FOR LIGHT POLE NOTES:
  - a. E.C. SHALL SUBMIT ROUTING TO ARCHITECT AND ENGINEER FOR APPROVAL.
  - b. FOR A CONTINUOUS CONDUIT RUN MORE THAN 500 FT, E.C. SHALL INSTALL IN-GROUND HAND HOLE EVERY 250 FT. (MIN). WHERE IN-GROUND HAND HOLE LOCATED IN THE DRIVING PAD, IT SHALL BE SUITABLE FOR TRACTOR TRAILER TRAFFIC LOAD.

**SITE LIGHT REQUIREMENTS:**

- E.C. SHALL PROVIDE SITE LIGHT TO ILLUMINATE THE DRIVING PAD DESIGNATED WITH GREY HATCH IN THIS DETAIL.
- SITE LIGHT SHALL PROVIDE LIGHT LEVEL AS FOLLOWS:
1. AVERAGE FOOT CANDLE MEASURING AT FLOOR SHALL BE 3 FC OR HIGHER AT INITIAL LEVEL.
  2. AVERAGE FC/MINIMUM FC SHALL BE 8 OR LOWER.
- SITE LIGHT SHALL INCLUDES:
1. LIGHT POLES:
    - MINIMUM POLE HEIGHT OF 35 FT.
    - TOP OF LIGHT FIXTURE SHALL NOT EXCEED 50 FT.
    - POLE SHALL BE MADE OF STEEL. FURNISHED COLOR PER ARCHITECT INSTRUCTION.
    - NUMBER OF POLES SHALL NOT BE MORE THAN 5 POLES.
    - WIND RATING (EPA) FOR POLE WITH INSTALLED LIGHT FIXTURES SHALL BE SUITABLE FOR WIND SPEED NOT LESS THAN 10 MPH.
    - ALL ACCESSORIES SHALL BE INCLUDED FOR FIXTURE MOUNT, POWER FEED, ETC.
    - POLE BASE SHALL BE PER MANUFACTURER INSTRUCTION.
    - POLES SHALL HAVE AN NCECC APPROVED THIRD PARTY LISTING.
  2. LIGHTING FIXTURES:
    - FIXTURE SHALL BE LED WITH 4000K COLOR.
    - MULTIPLE FIXTURES PER POLE ARE ALLOWED.
    - CUT-OFF IS NOT REQUIRED.
    - ADJUSTABLE AIMING FLOOD LIGHT IS ACCEPTABLE.
    - LIGHT FIXTURE SHALL OPERATE ON 240VAC POWER FEED.
    - LIGHT FIXTURE WARRANTY SHALL BE 5 YEAR PARTS AND LABOR.
    - ACCEPTABLE MANUFACTURER:
      - a. NLS LIGHTING
      - b. OREE LIGHTING
      - c. ACUTY BRAND
      - d. HUBBELL LIGHTING
  3. DESIGN AND COMMISSIONING:
    - E.C. SHALL SUBMIT SITE LIGHT DESIGN AND CUT SHEETS TO ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO PRODUCE POLES AND LIGHT FIXTURES.
    - MAX. TOTAL WATTAGE (ALL POLES) SHALL NOT EXCEED 7000 W.
    - POLE LOCATIONS AND NUMBER OF FIXTURES ON EACH POLE SHOWN IN THIS DETAIL IS ONLY FOR GUIDELINE. ACTUAL LOCATIONS SHALL BE BASED ON THE ACTUAL APPROVED DESIGN.
    - E.C. SHALL AIM LIGHT FIXTURES TO ACHIEVE LIGHT LEVEL PER THE APPROVED DESIGN.
    - AFTER INSTALLATION, E.C. SHALL EVALUATE THE LIGHT LEVEL IN A NIGHT TIME AND PROVIDE AN ILLUMINATION REPORT TO ENGINEER FOR APPROVAL BASE ON THE APPROVED DESIGN DOCUMENT.
  4. SAFETY AND COMPLIANCE:
    - LIGHT FIXTURES AND POLES SHALL BE UL LISTED OR EQUAL.

**INFORMATION ON PLAN NOTES:**

1. SITE LIGHT INFORMATION SHOWN IN THIS PLAN IS DESIGNED BASED ON NLS LIGHT FIXTURES MOUNTED ON 30 FT. POLE WITH TOP OF THE FIXTURE AT 43 FT. DESIGN LIGHT LEVEL IS 3 FC AVERAGE WITH AVERAGE FC/MIN FC = 7.
2. E.C. IS RESPONSIBLE FOR ALL THE ELECTRICAL INSTALLATION THAT DEVIATE FROM THIS PLAN TO SUPPORT THE SITE LIGHT INSTALLATION PER APPROVED E.C. SITE LIGHT DESIGN.
3. EQUAL PRODUCTS ARE ACCEPTABLE UPON ARCHITECT AND ENGINEER APPROVAL. THE ACCEPTABLE MANUFACTURERS ARE:
  - ACUTY BRAND GROUP
  - HUBBELL LIGHTING GROUP
  - COOPER LIGHTING GROUP
  - ELITE LIGHTING GROUP.



**NOTES:**

1. THIS DETAIL IS A GUIDE LINE. SEE POLE MANUFACTURER INFORMATION FOR FURTHER INFORMATION. MANUFACTURER INFORMATION SHALL SUPERCEDE THE INFORMATION SHOWN ABOVE.

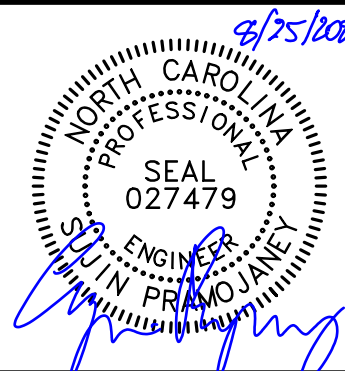
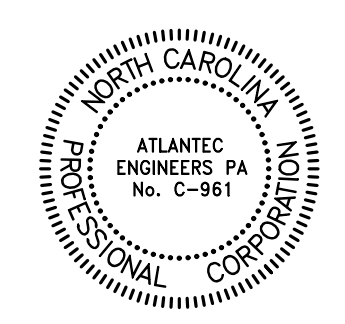
**1 ELECTRICAL SITE PLAN**  
E1.2 1" = 30'-0"

**2 POLE BASE DETAIL**  
E1.2 NOT TO SCALE

**OAKLEY COLLIER ARCHITECTS**  
**OCA ARCHITECTS**  
 109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
 205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

**ATLANTEC**  
 ENGINEERS, PA  
 22240  
 322 ELLE ROSE ROAD, SUITE 103  
 RALEIGH, NC 27602  
 (919) 971-1111

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
 PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
 SCO ID# 22-24953-02A, NCCC# 2657



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

Revisions	
Date	Project No.
08/25/23	21056
Drawn By	Sheet No.
SP	E1.2
Checked By	
SP	
Sheet Title	
ELECTRICAL SITE PLAN	

**SYMBOL LEGEND**

SYMBOL	DESCRIPTION	REMARKS
	LINEAR SURFACE/PENDANT MOUNT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE
	LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE
	RECESSED CAN LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE
	EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHEDULE
	BATTERY BACKUP EMERGENCY LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHEDULE
	POLE MOUNT FIXTURE - LETTER DESIGNATES TYPE SEE SHEET E12	SEE FIXTURE SCHEDULE
	PHOTOCELL, 105-305VAC, 50/60HZ, 1800VA, BALLAST LOAD 1000W TUNGSTEN LOAD, 8A LED LOAD (UP TO 2200W @277V)	TORX ZSS24
	LIGHTING CONTRACTOR SEE DETAIL 5/EL	SQUARE D OR EQUAL
	SINGLE POLE TOGGLE SWITCH MOUNT 42" AFF. UNLESS NOTED OTHERWISE	HUBBELL 122** WITH S1 COVER PLATE
	SINGLE POLE PILOT LIGHT TOGGLE SWITCH LIGHT ON WHEN LOAD ON MOUNT 42" AFF. UNLESS NOTED OTHERWISE	HUBBELL 120PL WITH S1 COVER PLATE
	MOTOR RATED SNAP SWITCH FOR EQUIPMENT DISCONNECT, MOUNT ADJACENT TO EQUIPMENT.	SQUARE D OR EQUAL METAL COVER PLATE
	30A SINGLE POLE TOGGLE SWITCH FOR EQUIPMENT DISCONNECT, MOUNT ADJACENT TO EQUIPMENT.	HUBBELL HBL303** WITH METAL COVER PLATE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH DUAL TECHNOLOGIES, MOUNT 42" AFF. UNLESS NOTED OTHERWISE. 800W/120VAC OR 1200W/277VAC	SENSORWORX SWX-12** S26 COVER PLATE
	CEILING MOUNTED OCCUPANCY SENSOR, PASSIVE INFRARED 800W/120VAC OR 1200W/277VAC, 12 FT. RADIIUS	SENSORWORX SWX-20*2
	SPECIFICATION GRADE TAMPER RESISTANT DUPLEX RECEPTACLE MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL HBL5362**TR WITH S3 COVER PLATE
	SPECIFICATION GRADE TAMPER RESISTANT GFCI DUPLEX RECEPTACLE MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL GFT1RST20** WITH S26 COVER PLATE
	SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER, MOUNT 16" AFF. UNLESS OTHERWISE NOTED.	HUBBELL GFTWRST20** WITH WP26M COVER PLATE
	SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT DUPLEX RECEPTACLE WITH IN-USE WEATHER PROOF COVER, MOUNT 16" AFF. UNLESS OTHERWISE NOTED. FED FROM GFCI BREAKER PER NEC 427.22 FOR HEAT TAPE	HUBBELL BR20BLKWRTR WITH WP26M COVER PLATE
	CEILING PANEL CABINET FAN, FURNISHED AND INSTALLED BY MC, WIRED BY EC.	SEE MECH PLAN
	JUNCTION BOX SIZED PER NEC.	
	DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE	SEE SPECIFICATION HEAVY DUTY
	NEW CONCEALED WIRING	PER NEC.
	UNSWITCHED LIGHTING CONDUCTOR	PER NEC.
	HOME RUN TO PANEL BOARD NUMBERS OF ARROW INDICATE CIRCUITS	PER NEC.
	120/240V 1R, 3W PANEL BOARD - SEE PANEL SCHEDULE	SEE SPECIFICATION
	UTILITY METER BASE	SEE POWER RISER
	COMMUNICATION OUTLET SEE KEY NOTE #7 IN 2/EEL FOR CONDUIT REQUIREMENT, OUTLET COVER PLATE AND WIRING BY OTHERS.	SINGLE GANG BOX HUBBELL S3 COVER PLATE
	ABOVE FINISHED CEILING	
	ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX	

**NOTE:**

- MANUFACTURERS AND PART NUMBERS SHOWN IN LEGEND ARE FOR GUIDELINE. EQUIVALENT PRODUCTS ARE ACCEPTABLE.
- WIRING DEVICE NOTES:
  - DEVICES SHALL BE WHITE.
  - ALL INDOOR DEVICES SHALL BE WITH STAINLESS PLATE COVERS.
  - ACCEPTABLE PRODUCTS BY: HUBBELL, LEGRAND, EATON, LEVITON.
- LINE VOLTAGE OCCUPANCY SWITCHES AND LOW VOLTAGE OCCUPANCY CONTROL SHOWN ON THIS PLAN ARE FOR GUIDELINE.
  - ACCEPTABLE PRODUCTS BY: SENSORWORX, ACUITY, HUBBELL, LEGRAND, EATON, LEVITON.

**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.
- ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- 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.
- 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 CONTRACTOR.
- PENETRATION:**
  - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
  - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS.
- ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
- AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- 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.
- 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 THHN/2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.
- MINIMUM WIRE AND CONDUIT SIZES:**
  - MINIMUM WIRE SIZE SHALL BE #12 AWG.
  - MINIMUM CONDUIT SIZE INSIDE BUILDING SHALL BE 1/2".
  - MINIMUM CONDUIT SIZE OUTSIDE BUILDING ABOVE GROUND SHALL BE 3/4".
  - MINIMUM CONDUIT SIZE UNDER GROUND SHALL BE 1".
- ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE NOT ACCEPTABLE FOR THIS PROJECT.**
- THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER.
- WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
- ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
- ALL PANELS SHALL BE SINGLE PHASE, THREE WIRE UNLESS OTHERWISE NOTED.
- FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A171, SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN.
- ELECTRICAL IDENTIFICATION:**
  - RECEPTACLE: PROVIDE CIRCUIT NUMBER LABEL. LABEL SHALL BE SELF-ADHESIVE TAPE.
  - LIGHT SWITCH: PROVIDE CIRCUIT NUMBER LABEL. LABEL SHALL BE SELF-ADHESIVE TAPE.
  - EQUIPMENT DISCONNECT: PROVIDE EQUIPMENT NAME AND CIRCUIT NUMBER. LABEL FOR OUTDOOR DISCONNECT SHALL BE PHENOLIC TYPE. LABEL FOR INDOOR DISCONNECT SHALL BE SELF-ADHESIVE TAPE.
  - PANEL BOARD: PROVIDE PANEL NAME, SYSTEM VOLTAGE AND WHERE IT IS FED FROM. LABEL SHALL BE PHENOLIC TYPE TO MATCH EXISTING.
- 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.
- INSTALLATION REQUIREMENTS:**
  - EMT CONDUIT:**
    - CONDUIT SHALL BE INSTALLED INSIDE BUILDING.
    - FITTING SHALL BE COMPRESSION TYPE.
  - RIGID STEEL CONDUIT:**
    - CONDUIT SHALL BE INSTALLED IN EXTERIOR MASONRY WALLS, IN WET LOCATIONS AND EXTERIOR ABOVE GROUND.
    - FITTING SHALL BE THREAD TYPE.
  - FLEXIBLE METAL CONDUIT:**
    - CONDUIT IS ALLOWED FOR CONNECTION FROM J-BOX TO EQUIPMENT CONNECTION NOT TO EXCEED 72".
  - PVC CONDUIT:**
    - SCHEDULE 40 FEEDER CONDUIT SHALL BE ENCASED IN CONCRETE FOR UNDERGROUND INSTALLATION.
    - SCHEDULE 80 BRANCH WIRE SHALL BE USED FOR DIRECT BURIAL INSTALLATION.
- ALL BOXES FOR WIRING DEVICES LOCATED OUTSIDE BUILDING SHALL BE CAST ALUMINUM, CROUSE-HINDS' FS AND FD OR EQUAL.
- SEE SPECIFICATIONS.

**LIGHT LEVEL TABLE**

ROOM	AVERAGE LIGHT LEVEL
101 STORAGE	35.6 FC
102 OFFICE	34.8 FC
103 JANITOR	25.8 FC
104 MEN	34.7 FC
105 WOMEN	34.7 FC

**2018 NORTH CAROLINA ENERGY CODE**

LAMP TYPE REQUIRED:	ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE - PRESCRIPTIVE LIGHTING SCHEDULE:			
	FLUORESCENT T8/T5	LED	CFL	INCAN
NUMBER OF LAMPS:	N/A	SEE	N/A	N/A
BALLAST TYPE USED:	N/A	FIXTURE	N/A	N/A
NUMBER OF BALLASTS:	N/A	SCHEDULE	N/A	N/A
TOTAL WATTAGE PER FIXTURE:	N/A		N/A	N/A

INTERIOR WATTAGE	SPECIFIED	ALLOWED BY CODE
OFFICE		198
STORAGE		101
ELECT/MECH		46
TOILETS		88
TOTAL	344	389 **
EXTERIOR WATTAGE	ZONE 3	
BLDG. ALLOWANCE	87	750
DRIVING PAD	6004	1355

**NOTES:**

- \*\* PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 10% LOWER THAN THOSE CALCULATED PER SECTION C405.4.2.
  - VALUE CALCULATE PER SECTION C405.4.2: 432 WATTS
  - VALUE PER SECTION C406.3: 389 WATTS
- ALL EXTERIOR LIGHTS:
  - CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.

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

SIGNED:   
NAME: SULIM PRAMOJANER, P.E.  
TITLE: ENGINEER

**LIGHT FIXTURE SCHEDULE**

TYPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES
A	4 FT. LINEAR WRAP AROUND LED FIXTURE SURFACE MOUNTED 4000/5000/6000 LUMEN	LITHONIA: FML4W-48-AL06-SEF-840-MVOLT ORACLE LIGHTING: EQUAL HUBBELL: EQUAL	4000/5000/6000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 40/50/60 WATTS - 44/55/66 VA 120-277V	SET LUMEN TO 5000 LUMEN
B	4 FT. LED STRIP LIGHT SURFACE MOUNTED 4000 LUMEN	LITHONIA: CSS-L48-4000LM-MVOLT-40K-80CRI ORACLE LIGHTING: EQUAL HUBBELL: EQUAL	4000 LUMEN LED, 4000K ELECTRONIC DRIVER 35 WATTS - 39 VA, 120-277V	
B/M	4 FT. LED STRIP LIGHT SURFACE MOUNTED 4000 LUMEN WITH MOTION SENSOR	LITHONIA: CSS-L48-4000LM-MVOLT-40K-80CRI -SFR7CSS ORACLE LIGHTING: EQUAL HUBBELL: EQUAL	4000 LUMEN LED, 4000K ELECTRONIC DRIVER 35 WATTS - 39 VA, 120-277V	
C	4 FT. LED VANDAL RESISTANT LED LIGHT SURFACE MOUNTED 5000 LUMEN	KENALL: MJHA12-48-R**PP-4SL40K-DCC-1DV ORACLE LIGHTING: EQUAL HUBBELL: EQUAL	5000 LUMEN LED, 4000K ELECTRONIC DRIVER 49 WATTS - 54 VA, 120-277V	** FINISH PER ARCHITECT INSTRUCTION.
D	6" LED CAN LIGHT FIXTURE RECESSED MOUNTED 500 LUMEN LISTED FOR WET LOCATION	LITHONIA: LDN6-40/5-L06-AR-LD-MVOLT-G2IO MAXLUME: EQUAL PRESCOLITE: EQUAL	1500 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 17.5 WATTS - 20 VA, 120-277V	
W	EXTERIOR WALL MOUNTED CUT-OFF 1200 LUMEN LISTED FOR WET LOCATION AND OF PROVIDE SURFACE MOUNTED BACKBOX	LITHONIA: WDG1-LED-PH-40K-80CRI-VW-MVOLT -PBW-DDBXD ORACLE LIGHTING: EQUAL HUBBELL: EQUAL	1200 LUMEN LED, 4000K ELECTRONIC DRIVER 10 WATTS - 12 VA, 120-277V	
EG	EMERGENCY LIGHT	LITHONIA: ELU2-M2 MAXLUME: EQUAL PRESCOLITE: EQUAL	(2) 0.75W LED HEADS, 0.33 WATTS - 6 VA, 120/277V	BATTERY SHALL BE LISTED FRO 0-60°C OPERATION. SEE SPECIFICATION.
FL3	3 FLOOD LIGHTS ON 39 FT. POLE POLE AND FLOOD LIGHTS SHALL BE LISTED FOR 10 MPH WIND. (3) 35000 LUMEN 15" FLOOD LIGHTS	NLS LIGHTING: (3) NV-F4-E-36W-40K7-UNV 39 FT. METAL POLE WITH FIXTURE MOUNTING ACCESSORIES SEE NOTE #4 FOR EQUAL PRODUCT.	(3) 35000 LUMEN 15" FLOOD, 4000K ELECTRONIC DRIVERS (3) 316 WATTS - (3) 333 VA, 120-277V	THE REQUIREMENTS SHOWN IN THIS SCHEDULE IS A GUIDELINE. SEE COMPLETE INFORMATION IN SHEET E12.
FL4	4 FLOOD LIGHTS ON 39 FT. POLE POLE AND FLOOD LIGHTS SHALL BE LISTED FOR 10 MPH WIND. (4) 35000 LUMEN 15" FLOOD LIGHTS	NLS LIGHTING: (4) NV-F4-E-36W-40K7-UNV 39 FT. METAL POLE WITH FIXTURE MOUNTING ACCESSORIES SEE NOTE #4 FOR EQUAL PRODUCT.	(4) 35000 LUMEN 15" FLOOD, 4000K ELECTRONIC DRIVERS (4) 316 WATTS - (4) 333 VA, 120-277V	THE REQUIREMENTS SHOWN IN THIS SCHEDULE IS A GUIDELINE. SEE COMPLETE INFORMATION IN SHEET E12.

**NOTES:**

- SEE ARCHITECTURAL PLAN FOR MOUNTING LOCATION AND HEIGHT. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT IF NOT SHOWN ON ARCHITECTURAL PLAN.
- E.C. SHALL SUBMIT CATALOG TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING. FINISH COLOR/TRIM SUBJECT TO BE CHANGED PER ARCHITECT.
- FOR BID PURPOSES LED COLOR SHALL BE 4000K. FIELD VERIFY LED COLOR WITH ARCHITECT PRIOR TO ORDERING.
- EQUAL PRODUCTS ARE ACCEPTABLE UPON ARCHITECT AND ENGINEER APPROVAL. THE ACCEPTABLE MANUFACTURERS ARE:
  - ALL FIXTURES: ACUITY BRAND GROUP, HUBBELL LIGHTING GROUP, COOPER LIGHTING GROUP, ELITE LIGHTING GROUP.

**1 FIXTURE SCHEDULE**  
E2.1 NO SCALE

OAKLEY COLLIER ARCHITECTS  
OCA ARCHITECTS  
109 Candlewood Road, Rocky Mount, NC 27804 (P) 252.937.2500  
205 W. Martin Street, Raleigh, NC 27601 (P) 919.985.7700

ATLANTEC ENGINEERS, PA  
329 ELLE ROSE ROAD, SUITE 103 RALEIGH, NC 27602  
(919) 971-1111

NEW BUILDING & SITE DEVELOPMENT FOR:  
**CDL INSTRUCTIONAL TRAINING FACILITY FOR NASH COMMUNITY COLLEGE**  
PARCEL ID 345908, EASTERN AVE., ROCKY MOUNT, NC 27804  
SCO ID# 22-24953-02A, NCCC# 2657

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

SEAL 027479  
SULIM PRAMOJANER, P.E.

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

Revisions

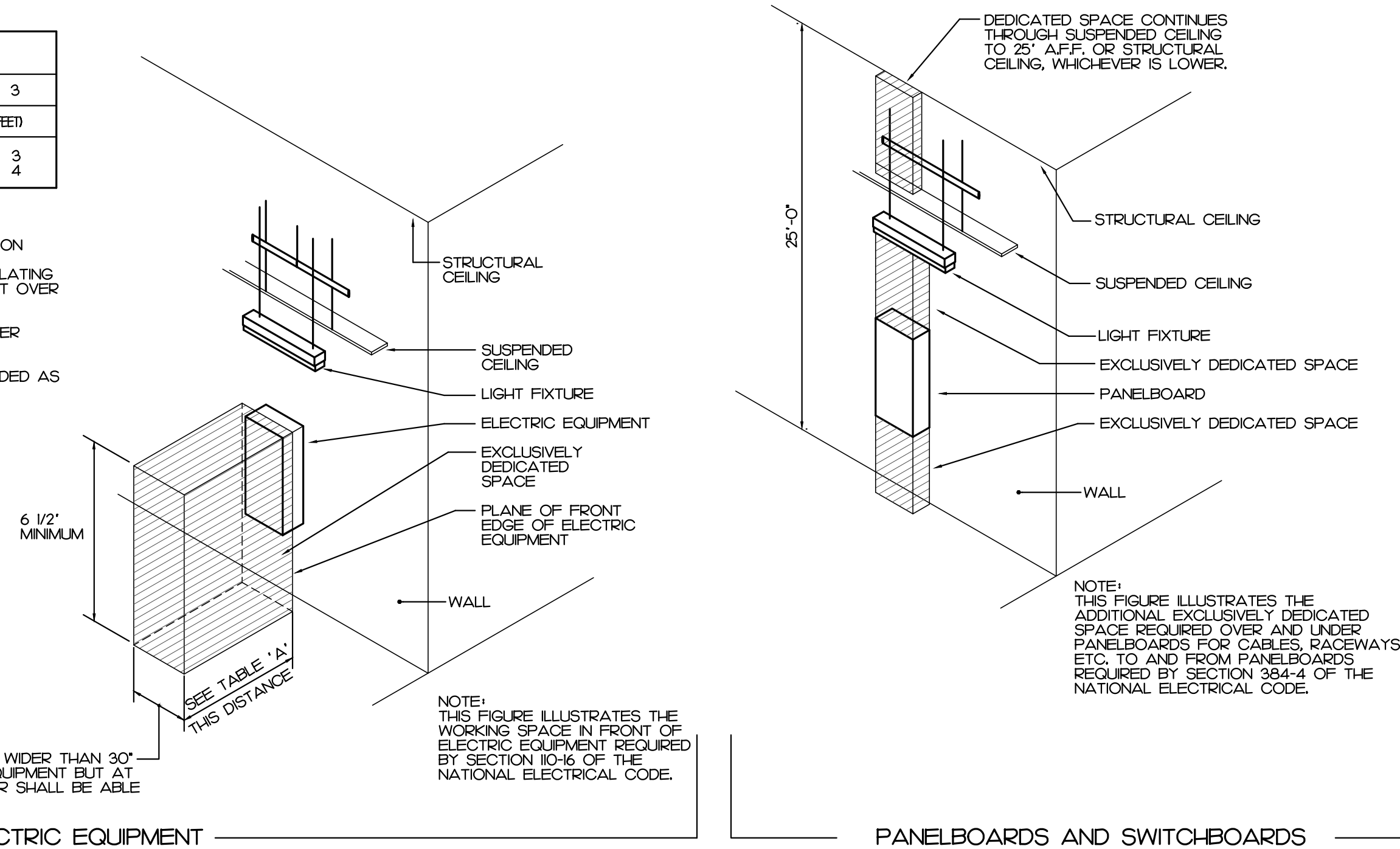
Date	Project No.
08/25/23	21056
Drawn By	Sheet No.
SP	E2.1
Checked By	Sheet Title
SP	LEGEND, NOTES FIXTURE SCHEDULE



TABLE 'A' WORKING CLEARANCES				
VOLTAGE TO GROUND, NORMAL	CONDITION	1	2	3
		MINIMUM CLEAR DISTANCE FEET		
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.



30" OR WIDTH OF EQUIPMENT IF EQUIPMENT IS WIDER THAN 30" DOES NOT HAVE TO BE CENTERED ON THE EQUIPMENT BUT AT LEAST, EVEN WITH ONE EDGE, EQUIPMENT DOOR SHALL BE ABLE TO OPEN AT LEAST 90°.

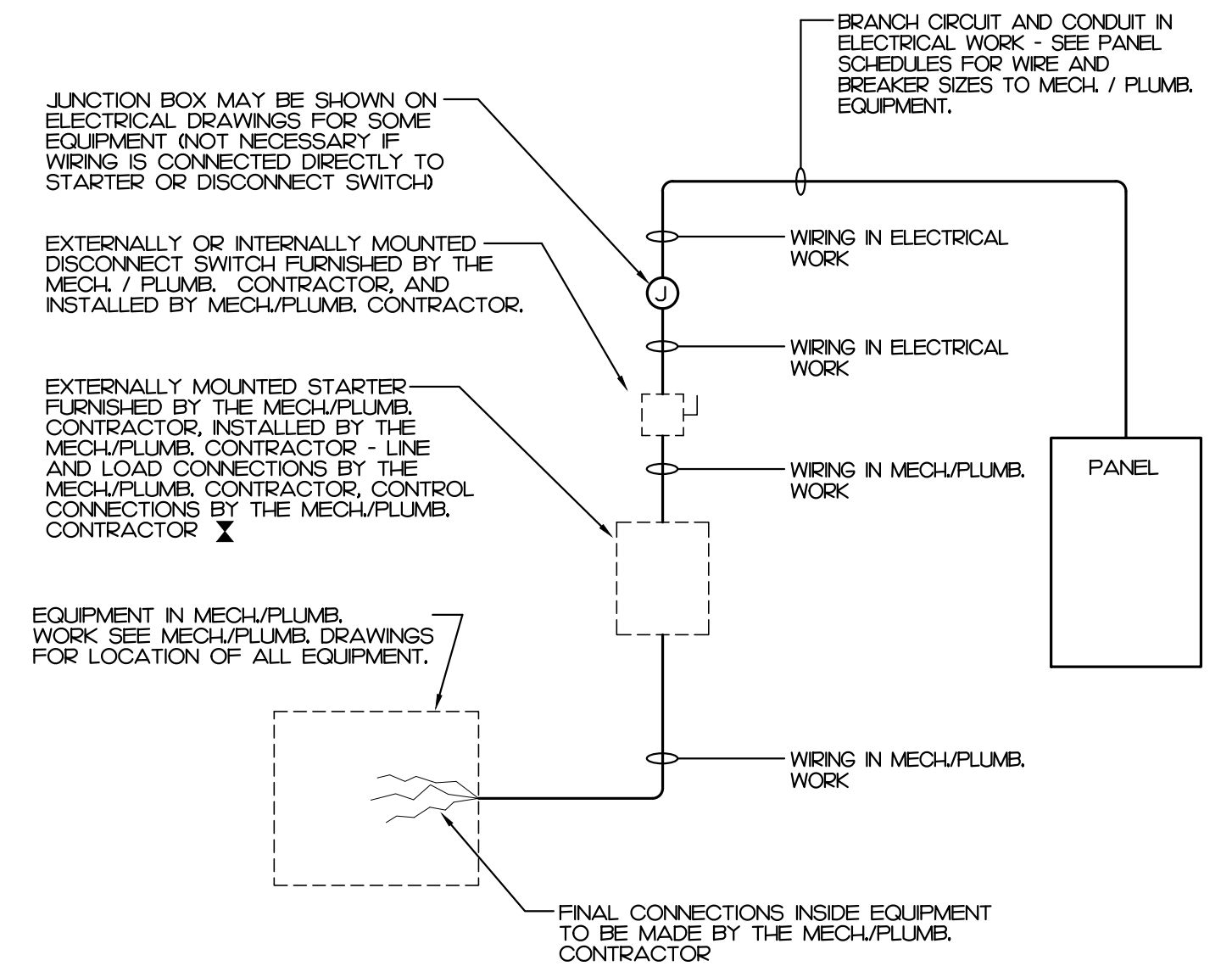
ALL ELECTRIC EQUIPMENT  
NOTE:  
THIS INCLUDES BUT IS NOT LIMITED TO  
PANELBOARDS, SAFETY SWITCHES, MOTOR  
STARTERS, JUNCTION BOXES AND OTHER  
ELECTRIC EQUIPMENT.

NOTE:  
NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL  
APPLIANCE SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH  
THE DEDICATED SPACES SHOWN ABOVE.

PANELBOARDS AND SWITCHBOARDS

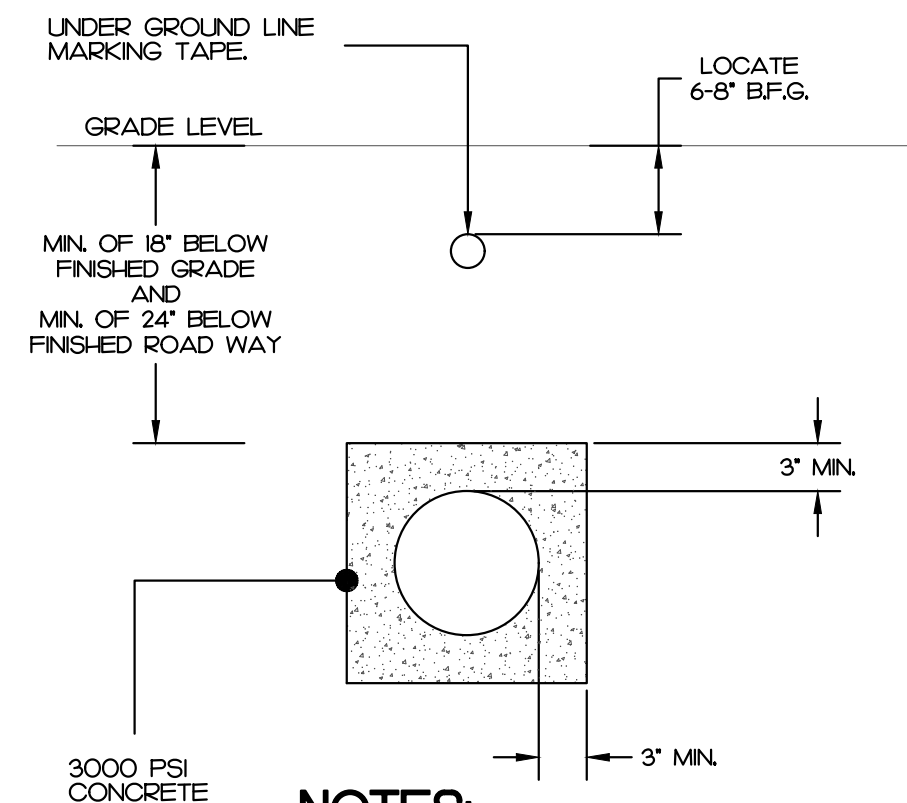
**1** ELECTRICAL PANEL BOARD REQUIRED CLEARANCE  
E2.2 NOT TO SCALE

**2** WIRING TO MECH./PLUMB. EQUIPMENT  
E2.2 NO SCALE



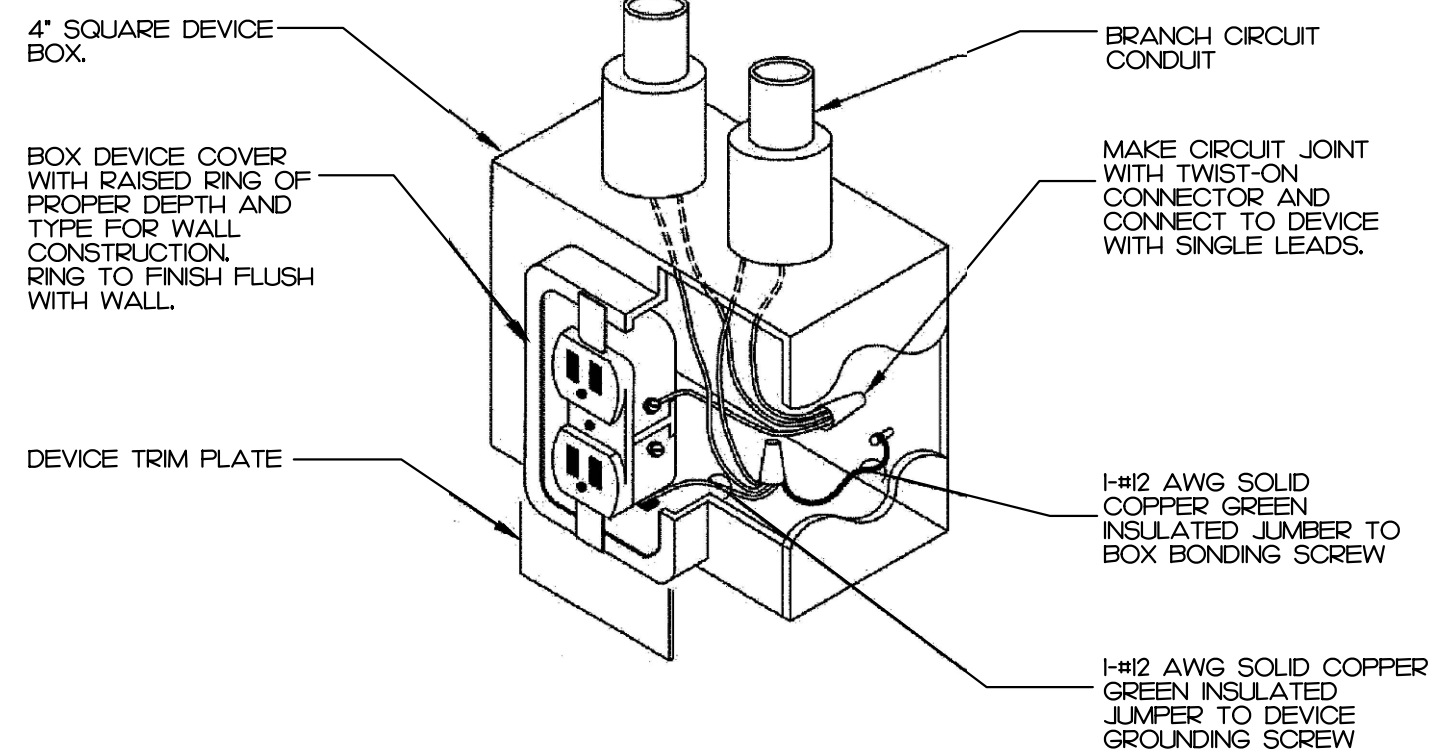
- NOTES:
1. A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER.
  2. E.C. SHALL FURNISH ALL REQUIRED FUSES.

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

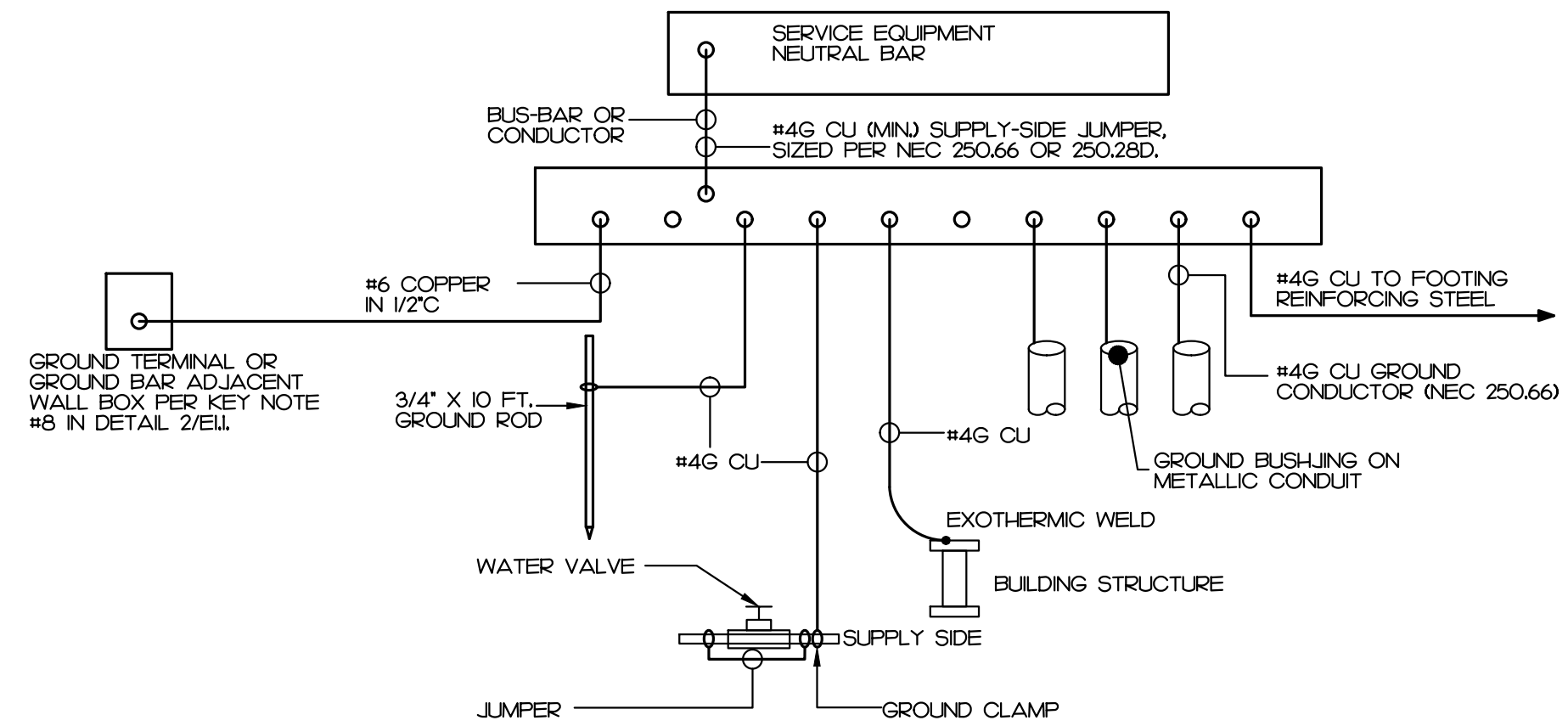


NOTES:  
1. SEE SPECIFICATION 260545 AND GENERAL NOTE #25.

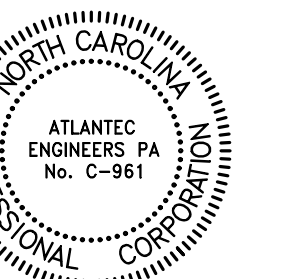
**3** UNDERGROUND RACEWAY (TYPICAL)  
E2.2 NOT TO SCALE



**4** RECEPTACLE GROUNDING DETAIL  
E2.2 NOT TO SCALE



**5** SERVICE EQUIPMENT GROUNDING DETAIL  
E2.2 NO SCALE



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

Revisions

Date: 08/25/23  
Project No: 21056  
Drawn By: SP  
Sheet No: E2.2  
Checked By: SP

Sheet Title: DETAILS