

ADDENDUM 1

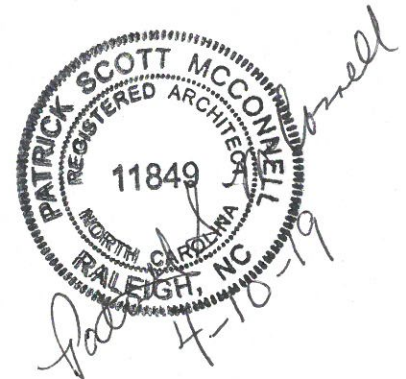
ADDENDUM DATE: April 10, 2019

PROJECT: NC DOT - Durham Co. Maintenance Office Bldg.
1041 Prison Camp Road,
Durham, NC 27705

OWNER: North Carolina Department of Transportation
1041 Prison Camp Rd.
Durham, NC 27705

ARCHITECT: Smith Sinnett Architecture, P.A.
4600 Lake Boone Trail, Suite 205
Raleigh, North Carolina 27607

BIDS DUE: **Thursday, April 25th, 2019 at 3:00 p.m.**
NCDOT Traffic Services Building (Conference Room)
1041 Prison Camp Road
Durham, NC 27705



Please note, Project Addendums and Bidders List are available at www.smithsinnett.com under the 'Documents' icon on the navigation bar.

Among other items, this Addendum addresses issues raised in the Mandatory Pre-Bid Meeting held on April 4th, 2019 at 3:00 p.m. Pre-Bid notes and sign in sheet of those that attended are attached.

This Addendum shall be included in the contract for the above referenced project. All General, Supplementary and Special Conditions, etc., as originally specified or as modified below shall apply to these items.

GENERAL COMMENTS

- Item 1 All questions and Requests for Substitution shall be submitted to the Architect prior to **April 16th 2019.**
- Item 2 **Clarification:** The address for the Bid Opening is being corrected to **1041 Prison Camp Rd., Durham, NC 27705 – NC DOT Traffic Services Building**
- Item 3 **Owner Clarification:** AIA proposal forms will not be accepted for this project. Provide the SCO proposal forms provided in the project manual.

- Item 4 **Clarification:** The access gate located at the north-east property line fence will not be used to access the adjacent building during and after construction of the building. This gate will be permanently closed starting on the date of construction commencement.
- Item 5 **Clarification:** The existing onsite metal and wood traffic posts will be removed by the owner before commencement of construction.
- Item 6 **Clarification:** Refer to all specification sections for any additional inspections and testing requirements.

CHANGES AND CLARIFICATIONS TO THE SPECIFICATIONS

Section 01 23 00 – Instructions to Bidders and General Conditions of the Contract

- Item 7 Per section 01 23 00 – 10.B Permits, Inspections, Fees, Regulations

10.B All work under this contract shall conform to the North Carolina State Building Code and other State, local and national codes as are applicable. The cost of all required inspections and permits shall be the responsibility of the contractor and included within the bid proposal. All water taps, meter barrels, vaults and impact fees shall be paid by the contractor unless otherwise noted.

Clarification: This shall include any “**Use Fees**” or other fees related to the project.

Section 01 23 00 – Alternates

- Item 8 **Clarification:** Bid Alternate No.2: Standing Seam Metal Roof shall be an add alternate to the base bid only. The Warehouse Alternate No.1 is a separate alternate and shall not include the standing seam metal roof alternate if accepted.
- Item 9 **Clarification:** Bid Alternate No.5: CMU Decorative Veneer Wainscot, shall be an add alternate to the base bid only. The warehouse Alternate No.1 is a separate alternate and shall not include the CMU Decorative Veneer Wainscot alternate if accepted.

Section 02 00 00 – Existing Conditions

- Item 10 **Clarification:** Owner will remove all asbestos containing materials prior to the building demolition for the Existing Office Building Demolition: Bid Alternate No 4.
- Item 11 **Clarification:** The existing Jenkins Hall #13 Building has been added and scheduled for demolition. No asbestos reported. The Building Asbestos Inspection Report is being attached to this addendum for documentation only. Refer to the revised Civil Drawings Addendum No. 1 for the location of the building.

Section 03 30 00 – Cast-In-Place-Concrete

Item 12 **Clarification:** Per section 03 30 00-12 - 3.13 Field Quality Control A, B & C

- A. *Testing and Inspecting: The General Contractor shall engage a qualified testing and inspecting agency to perform field tests and inspections and prepare test reports.*
- B. *Testing and Inspecting: Engage a qualified testing and inspecting agency to perform tests and inspections and to submit reports.*
- C. *Inspections:*
 - 1. *Steel reinforcement placement.*
 - 2. *Headed bolts and studs.*
 - 3. *Verification of use of required design mixture.*
 - 4. *Concrete placement, including conveying and depositing.*
 - 5. *Curing procedures and maintenance of curing temperature.*
 - 6. *Verification of concrete strength before removal of shores and forms from beams and slabs.*

Item 13 **Clarification:** Per section 03 30 00 -10 Finishing Floors and Slabs E & F

- D. *Trowel and Fine-Broom Finish: Apply a first trowel finish to surfaces Exterior walking surfaces. While concrete is still plastic, slightly scarify surface with a fine broom.*
 - *Comply with flatness and levelness tolerances for trowel finished floor surfaces. Broom finish is generally used on exterior concrete steps and platforms, ramps, and other surfaces subject to light foot traffic.*
- E. *Broom Finish: Apply a broom finish to exterior concrete platforms, steps, and ramps, and elsewhere as indicated.*
 - *Immediately after float finishing, slightly roughen trafficked surface by brooming with fiber-bristle broom perpendicular to main traffic route. Coordinate required final finish with Architect before application.*

Section 31 20 00 – Earth Moving

Item 14 **Clarification** Per section 31 20 00 – 13 3.19 A. Field Quality Control

- A. *Testing Agency Services: Allow testing agency to evaluate and test each subgrade and each fill or backfill layer. Do not proceed until test results for previously completed work verify compliance with requirements.*
 - 1. *Perform field in-place density tests according to ASTM D 1556 (sand cone method), ASTM D6938 (nuclear gauge method) or equal as determined **by the Owner's independent testing agency.***

Section 32 13 13 Concrete Paving

Item 15 **Clarification:** Per section 32 13 13 -11 3.9 A Field Quality Control Testing

3.9 *FIELD QUALITY CONTROL TESTING*

- A. *The Owner shall employ an independent testing and inspection agency to sample materials, perform tests, and submit test reports during concrete placement in accordance with Division 01 "Quality Control" and as follows:*

Clarification: Testing for asphalt and concrete paving shall be done by Owner.

CHANGES TO CIVIL DRAWINGS

Item 16 Refer to attached Civil Addendum No.1

CHANGES TO ARCHITECTURAL DRAWINGS

Item 17 Sheet A3-01 Building Sections: Replace this sheet with the attached sheet A3-01 in its entirety. Detail 4/A3-01 has been included to show the extents of the attic draft stop.

Item 18 Sheet A5-10 Details: Replace this sheet with the attached sheet A5-10 in its entirety. Detail 1/A5-10 and 3/A5-10 have been revised to coordinate the extents of the concrete slab rebar. Concrete slab, foundation and footing reinforcing shown in the architectural is for reference only. Refer to the structural drawings for all steel sizes, quantities, locations, placement and spacing requirements.

Item 19 Sheet A5-11 Details: Replace this sheet with the attached sheet A5-11 in its entirety. Detail 6/A5-11 and 9/A5-11 have been revised. There will not be a welded wire mesh or rebar specified for any exterior sidewalks. Refer to sheet Civil Sheet in addendum 1 for revised detail.

Item 20 Sheet A5-12 Details: **Clarification:** Detail 4 /5-12 – Transaction Window. Glass shall be ¼" non-impact Clear Tempered Glass

/// End of Addendum 1 ///

Attached:

Pre-Bid Conference Agenda (5 Pages)
Pre-Bid Meeting Sign-In Sheet (1 Pages)
Building Asbestos Inspection Report – Building Jenkins Hall#13 (26 Pages)

Civil Addendum 1 (2 pages)
Addendum 1 - Civil Sheet C-101 (Site Demo)
Addendum 1 - Civil Sheet C-401 (Erosion control)
Addendum 1 - Civil Sheet C-603 (Site Details)

Addendum 1 - Architectural Sheet A-3-01 (Building Sections)
Addendum 1 - Architectural Sheet A-5-10 (Details)
Addendum 1 - Architectural Sheet A-5-11 (Details)

Durham County Maintenance Office Building Project-SCO# 17-17902-02

Owner: North Carolina Department of Transportation
1041 Prison Camp Rd.
Durham, NC 27705

Location: NC DOT Traffic Services Building
1069 Prison Camp Rd.
Durham, NC 27705

Architect: Smith Sinnett Architecture, P.A.
4600 Lake Boone Trail, Suite 205
Raleigh, NC 27607
Phone: (919) 781-8582
Fax: (919) 781-3979

Scott McConnell, AIA
Jose Lopez, AIA

On behalf of the Owner and Smith Sinnett Architecture, we would like to thank you for your interest and attendance at this Pre-Bid Conference.

I Bid:
Sealed Bids from Single Prime Contractors will be received and publicly opened at:

**3:00 p.m. on Thursday April 25th, 2019 in the
NCDOT Traffic Services Building
1069 Prison Camp Road
Durham, NC 27705**

All bids will be held until 3:00 p.m. on April 25th, 2019. No bids will be accepted after 3:00 p.m.

II Bid Day Documents: Refer to Specifications

1. Proposal Form Pages 1 through 6
2. Bid Bond (5%) or Certified Check (5%)
3. Minority Business Guidelines (10% Goal)
 - a. Identification of HUB Certified / Minority Business Participation Form Required.
 - b. Affidavit A or Affidavit B
4. Bid envelope should be sealed with the following information listed on the outside of the envelope.
 - a. Bidder's Name and Address
 - b. North Carolina Contractor's License Number
 - c. Name of Project

5. The successful bidder must provide an executed Performance Bond and Payment Bond for 100% of the Contract by a company licensed in North Carolina within 30 days of receipt of an Intent to Award Letter. Certificates of Insurance meeting the requirements indicated in the Specifications will also be required.
6. Any bids that have qualifying notes or comments will be rejected.
7. For mailed bids, it's the contractor's responsibility to ensure the bid arrives prior to the bid opening time. Place the bid in a double envelope with "Sealed Bid Do Not Open" written on the envelope. Refer to Specification Section 0 01 05- Notice To Bidders for additional requirements.

III Schedule:

The Contract time shall commence on a date to be specified in a written Notice to Proceed from the Architect. Substantial Completion shall occur on or before the dates listed below:

- Substantial Completion shall be Two Hundred and Seventy (270) calendar days from Notice to Proceed.

IV Liquidated Damages:

See Supplementary General Conditions: \$ 250.00 each calendar day in excess of the stated completion time.

V Examination of Bid Documents:

All Bidders are expected to fully examine and familiarize themselves with the Drawings, Specifications and Existing Conditions. All Bidders should read the scopes of the bid package. Any questions or clarifications should be directed to the Architect. No allowances will be made after the bids are received for any oversight due to failure to examine the documents. If you are an E-Procurement Vendor, pay special attention to the Special Conditions section of the specifications.

VI Substitutions:

Substitutions or approvals of "Equals" will only be accepted if approved by the Architect in writing at least 7 days prior to the receipt of bids: April 25th, 2019.

VII **Technical Questions:**

Technical questions should be submitted to Architect as soon as possible by phone or preferred email.

Jose Lopez, AIA

jlopez@smithsinnett.com

(919) 781-8582

VIII Construction Documents:

1. Construction Documents may be ordered from:
Smith Sinnett Architecture
4600 Lake Boone Trail, Suite 205
Raleigh, NC 27607
919-781-8582
2. Electronic Copies of the Plans and Specifications are available upon request and with a completed Plan Request Form found at www.smithsinnett.com under the Documents Tab.

IX Addenda:

1. Addenda will be emailed to everyone on the Architect's plan holders list that has requested access to the Construction Documents
2. Addenda can also be downloaded from: www.smithsinnett.com under the Documents Tab.
3. An addenda will be issued to address any questions raised today.
4. All Addendums will be issued by email. Verify that email security will allow emails from jlopez@smithsinnett.com

X Bidders List:

1. Bidders List can be downloaded from www.smithsinnett.com under the Documents Tab.

XI Project Specifics:

ALTERNATES

1. Alternate No. 1; Warehouse Room Addition:
2. Alternate No. 2; Standing Seam Metal Roof:
3. Alternate No. 3; Asphalt Parking Lot:
4. Alternate No. 4: Existing Office Building and Parking Lot Demolition:
5. Alternate No. 5: CMU Decorative Veneer Wainscot:
6. Alternate No. 6; 6' Perimeter Chain-Link Fence and Gates:
7. Alternate No. M-1: VAV Systems:

ALLOWANCES:

Allowance No. UP/A-1; UNDERCUT/REPLACEMENT IN OPEN EXCAVATIONS WITH SATISFACTORY SOIL MATERIALS:

Quantity: 500 cu. yds.

Allowance No. UP/A-2; UNDERCUT/REPLACEMENT IN OPEN EXCAVATIONS WITH ENGINEERED FILL:

Quantity: 250 cu. yds.

Allowance No. UP/A-3; UNDERCUT/REPLACEMENT IN TRENCHES:

Quantity: 50 cu. yds.

Allowance No. UP/A-4; REMOVAL/REPLACEMENT OF ROCK IN TRENCHES:

Quantity: 25 cu. yds.

Allowance No. UP/A-5; UTILITY TRENCH UNDERCUT/REPLACEMENT:

Quantity: 50 cu. yds.

Allowance No. UP/A-6; GEOGRID:

Quantity: 500 square yards

Allowance No. UP/A-7; AGGREGATE BASE COURSE (ABC) STONE PLACEMENT OVER EXISTING STONE:

Quantity: 250 cu. yds.

XII Construction Documents:

This is a formal bid and construction documents and specifications are available in PDF format upon ShareFile link request. All addenda as well as the plan holders list will also be posted to the Smith Sinnett Architecture website under the "Documents" tab. If you have any issues or cannot download any of the documents, please let us know and we will work to make sure you can get them.

XIII. Addenda:

1. Addenda will be emailed to everyone on the Architect's plan holders list that has requested access to the Construction Documents
2. Addenda can also be downloaded from: www.smithsinnett.com under the Documents Tab.
3. An addenda will be issued to address any questions raised today.
4. All Addendums will be issued by email. Verify that email security will allow emails from jlopez@smithsinnett.com

XIV. Architect's brief description of the project:

The project is located at the NC Department of Transportation campus in Durham, NC. The scope of the project consists of a new 3800 sf building facility which includes office spaces, bullpen and kitchen facility, storage warehouse for bulk storage and associated support spaces. The building will be constructed of light wood frame construction and pre-engineered wood trusses. The exterior will be constructed of a durable masonry wainscot and cementitious lapped siding with an asphalt shingle roof and an alternate cost for a standing seam metal roof. The site work shall include the demolition of two existing buildings. The existing Jenkins building is on the same site as the proposed new building so demolition must occur by the Owner prior to construction of the new building. The existing office building which the owner is currently occupying will be in a demolition alternate and demoed after completion and relocation of the employees into the new building. A perimeter chain link fence with access gate will be provided for security purposes. The parking area will provide 49 parking spaces and the necessary ADA parking spaces with accessibility to the front door. The base bid parking area shall be a gravel parking lot with an asphalt parking lot specified in a bid alternate.

NC DOT, Durham Co. Maintenance Office Bldg. Durham, NC



Pre-Bid Meeting

Sign In

Date: 4/4/19 @ 3:00 PM

Name:	Association	Email	Telephone No.:
1. BANZET SPRUILL <i>Ben Nizer</i>	Spruill Construction <i>Srs Building & Development</i>	SpruillConstruction@aol.com	910 893 1000 <i>336-808-1328</i>
3. Mark Ferris	Ach Constructors	markf@achconstructors.com	919-484-9550
4. Andy Ward	D.W. Ward const. co.	andy@duward.com	919-477-0471 x103
5. Dan Lawrence	Romeo Guest Associates	dlawrence@romeoguest.com	(910) 536-9678
6. JAMES SUMMERS	HN KERN	jsummers@hnmkern.com	336-324-1495
7. BRIAN HOBBS	PROGRESSIVE CONTRACTING	BHOBBS@PROGRESSIVECCI.COM	919-718-5454
8. <i>Bud Fufts</i>	<i>ATLANTIC ENGINEERS</i>	<i>brud@atlanticeengineers.com</i>	<i>919-571-1111</i>
9. ASHLEY PILKINGTON	NC DOT	<i>aspilkington@ncdot.gov</i>	<i>919-477-2864</i>
10. Wilbur Holden	Holden Building Co., Inc	wilbur@holdenbuilding.com	336-854-0555
11. DAVID FORD	L.A. Downey & Son Inc	davidford@ladowney.com	719-422-5687
12. DUSTIN GARRETT	RIGGS-HARRIS BUILDERS, INC	DGARRETT@RIGGSHARRIS.COM	919-687-0111
13. ZAK PIERCE	CLH DESIGN	zpiece@clhdesignpa.com	919-319-6716
14. DAVID VAHSEL	NC DOT	dvahe@ncdot.gov	919-701-4543
15.			
16.			
17.			
18.			
19.			

BUILDING ASBESTOS INSPECTION REPORT

F.A. # 32-07-09

BUILDING Jenkins Hall # 13

ADDRESS Durham Co. Maintenance Yard

4000 Guess Road, Durham, NC

FACILITY CONTACT Mike Kirk

TELEPHONE NUMBER (919) 560-6851

March 17-18, 1997

DATE OF INSPECTION

This inspection was conducted by an inspector or inspectors accredited
in the State of North Carolina.

Gary P. Alexander
printed name


Signature

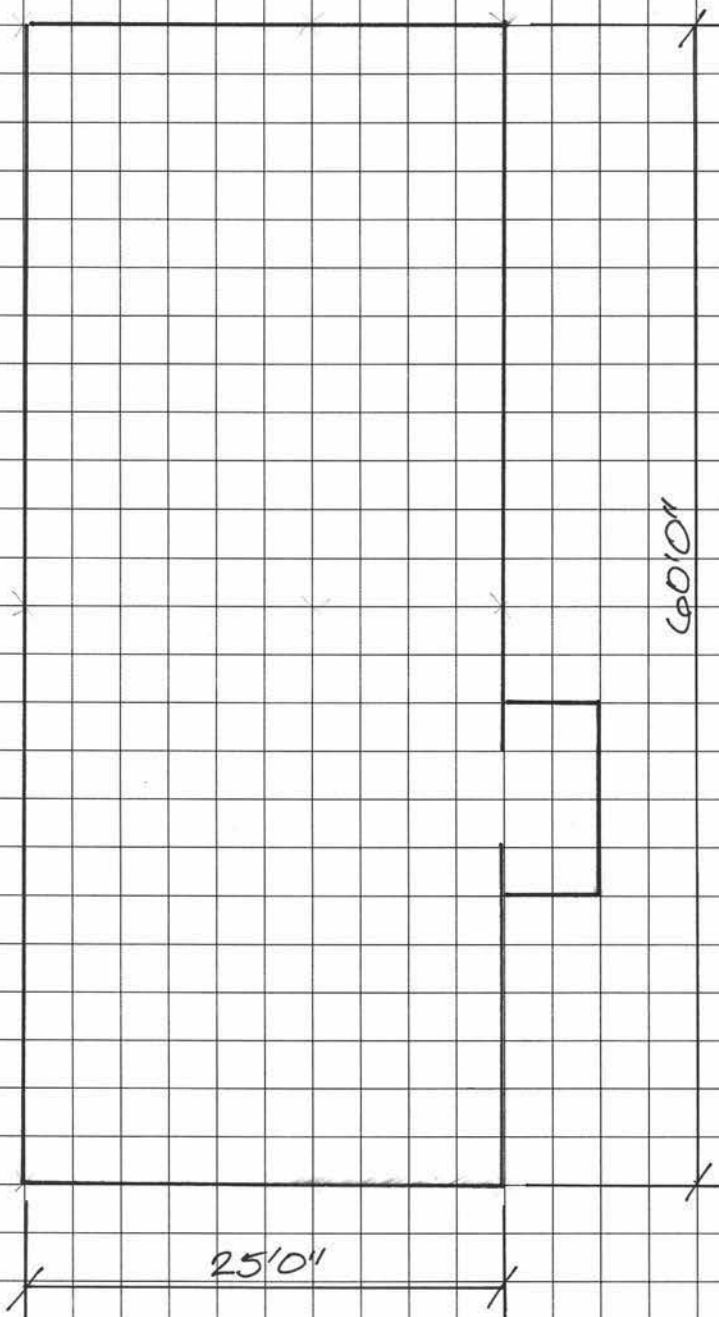
Accreditation # 11061



TRAFFIC SERVICES STORAGE BUILDING
FA# 32-07-09

Project Name NC DOT INSPECTIONS
JENKINS HALL #13
Project Location DURHAM CO MAIN YARD
Project Number AE597-64.4
By GPA Date 3-18-97
Checked By _____ Date _____

ALEXANDER ENGINEERING SERVICES, P.A.
Civil Engineering and Asbestos Services
Post Office Box 98567 Raleigh, NC 27624
Telephone or Fax (919) 954-7614



Asbestos Containing Building Materials Inspection And Lab Report Form

F.A. : 32-07-09
 Building : Jenkins Hall # 13
 Location : Durham Co. Maintenance Yard
 Inspection Date : March 17-18, 1997

Note: Samples where analyzed by PLM at EMSL's Greensboro, NC Laboratory

Homogeneous Area	ACBM Type	Sample #'s	Friable	Est. Quantity	Quantity Unit	Disturbance/Damage Assessment	% Dmg.	Asbestos/Comments
Asphaltic roofing shingles	-	56	-	-	-	-	-	NAD
Gypsum wallboard	-	61, 62	-	-	-	-	-	NAD

ACBM Type
 S = Surfacing
 T = Thermal Insulation
 M1 = Category I Misc.
 M2 = Category II Misc.

Friable
 F = Friable
 NF = Not Friable

Disturbance/Damage
 PD = Potential for Damage
 PSD = Potential for Significant Damage
 D = Damage
 SD = Significant Damage

Asbestos/Comments
 NAD - No Asbestos Detected
 Chrys. = Chrysotile
 Amos. = Amosite
 Trem. = Tremolite/Actinolite
 Croc. = Crocidolite

1	32	7	DOT MAINTENANCE YARD-DURHAM	Durham
---	----	---	-----------------------------	--------

Asset No: 9 JENKINS HALL #13

Address1: 4000 GUESS ROAD
City: DURHAM

State: NC

Asset Use: 6 ASSEMBLY (SPORTS ARENA, COLISEUM, GYM, AUDITORIUM, RECI

Dept: 4200 TRANSPORTATION
Div: 8002 DIVISION OF HIGHWAYS-MAINTENANCE

File No: Creation Date: 01/01/1992
Fixed Asset: 00000000 Update Date: 05/24/2006

Acq Date:	Net SqFt: 1,288	Heat: 1	FORCE AIR
Acq Cost: \$0.00	Gross SqFt: 1,525	Fuel: 3	FUEL OIL
Acq Meth: 3 CONSTRUCTION	# Flrs: 1	AC: 4	NONE
Val Method: 4 ASSIGNED VALUE	# Elevators: 0		
Insur Year: 1993			
Const Year: 1947			
Const Cost: \$11941.00		Current Net SqFt:	1,288
Const Type: D WOOD OR EXPOSED STEEL FRAME WORK		Current Gross SqFt:	1,525
Comments:			Vacant? N

Complex Summary - 1 32 7

Buildings	Current Gross-SqFt	Current Net SqFt	Original Gros SqFt	Original Net SqFt	Construction Cost	Insurance Value	Acquisition Cost
1	1,525.00	1,288.00	1,525.00	1,288.00	\$11,941.00	\$45,802.15	\$0.00

County Summary - Durham

Buildings	Current Gross-SqFt	Current Net SqFt	Original Gros SqFt	Original Net SqFt	Construction Cost	Insurance Value	Acquisition Cost
1	1,525.00	1,288.00	1,525.00	1,288.00	\$11,941.00	\$45,802.15	\$0.00

Report Summary

Buildings	Current Gross-SqFt	Current Net SqFt	Original Gros SqFt	Original Net SqFt	Construction Cost	Insurance Value	Acquisition Cost
1	1,525.00	1,288.00	1,525.00	1,288.00	\$11,941.00	\$45,802.15	\$0.00

**ASBESTOS PERMIT APPLICATION AND NOTIFICATION
 FOR DEMOLITION/RENOVATION**

Permit Number	NESHAP ID Number
---------------	------------------

1. TYPE: Asbestos Removal ; Emergency Asbestos Removal ; Nonscheduled Asbestos Removal ; Demo ; Ordered Demo

2. IS ASBESTOS PRESENT? Yes; No

3. FACILITY INFORMATION (Identify Owner, asbestos removal contractor, demo contractor, air monitor, designer)

OWNER NAME: **N. C. Department of Transportation - Division of Highways, Division Five**

Address: **2612 N. Duke Street**

City: Durham	State: North Carolina	Zip: 27704
---------------------	------------------------------	-------------------

Contact: Mr. J. Wally Bowman , PE	Contact Phone: (919) 220-4600
--	--------------------------------------

OPERATOR NAME (IF OTHER THAN OWNER): **Durham County Maintenance Unit – Durham**

Address: **3910 Guess Rd.**

City: Durham	State: North Carolina	Zip: 27704
---------------------	------------------------------	-------------------

Contact: Mr. Joe Yiu Kwong Ng	Contact Phone: (919) 477-2814
--------------------------------------	--------------------------------------

ASBESTOS REMOVAL CONTRACTOR: **N/A**

Address: -----

City: -----	State: -----	Zip: -----
-------------	--------------	------------

Contact: -----	Contact Phone: -----
----------------	----------------------

DEMOLITION CONTRACTOR: **NCDOT Forces**

Address: **3910 Guess Rd.**

City: Durham	State: North Carolina	Zip: 27704
---------------------	------------------------------	-------------------

Contact: Mr. Euell Elliott	Contact Phone: (919) 220-4600
-----------------------------------	--------------------------------------

SUPERVISING AIR MONITOR (If Required): N/A	NC Accreditation Number: -----
---	--------------------------------

ABATEMENT DESIGNER (If Required): N/A	NC Accreditation Number: -----
--	--------------------------------

4. FACILITY DESCRIPTION (Including building name, number and floor or room number) **FA # 32-07-09**

Bldg. Name: JENKINS HALL #13	Facility Contact: Mr. Euell Elliott
-------------------------------------	--

Street Address: **4000 Guess Road**

City: Durham	State: North Carolina	Zip: 27704
---------------------	------------------------------	-------------------

Asbestos Removal Site Location: N/A	County: Durham
--	-----------------------

Building Size: 1,525 Gross sq. ft.	# of Floors: 1	Age in Years: 60
---	-----------------------	-------------------------

Present Use: None	Prior Use: Storage	Future Use: N/A
--------------------------	---------------------------	------------------------

5. SCHEDULED DATES: NONSCHEDULED ASBESTOS REMOVAL (MM/DD/YY) Start: N/A Complete: N/A

6. SCHEDULED DATES: ASBESTOS REMOVAL (MM/DD/YY) Start: Complete:
--

7. SCHEDULED DATES: DEMOLITION (MM/DD/YY) Start: Complete:
--

8. WORK SCHEDULE (Circle days applicable): Mon Tue Wed Thu Fri Sat Sun	WORK HOURS:
--	-------------

****FOR GOVERNMENTAL AGENCY USE ONLY****

POSTMARK DATE: _____ REGION/COUNTY/CONTRACTOR/LANDFILL: _____

APPROVING SIGNATURE: _____ DATE: _____

**ASBESTOS PERMIT APPLICATION AND NOTIFICATION
 FOR DEMOLITION/RENOVATION**

9. INSPECTION INFORMATION (Include five digit NC HHCU assigned accreditation number)			
Inspector Name: Gary P. Alexander		NC Accreditation Number: 11061	
Date of Inspection: March 17-18, 1997	Samples Collected: <input checked="" type="checkbox"/> Yes ; <input type="checkbox"/> No	Samples Analyzed: <input checked="" type="checkbox"/> PLM <input type="checkbox"/> TEM	
Materials May Be Assumed ACM for Renovation/Removal Purposes: Assumed ACM: <input type="checkbox"/> Yes ; <input checked="" type="checkbox"/> No			
10. SCOPE OF WORK FOR ASBESTOS REMOVAL AND/OR DEMOLITION:			
DEMOLITION			
11. ASBESTOS REMOVAL/DEMOLITION WORK PRACTICES: (Check all that apply)			
<u>ASBESTOS REMOVAL</u>		<u>DEMOLITION</u>	
<input type="checkbox"/> Containment	<input type="checkbox"/> Remove Intact	<input type="checkbox"/> Negative Pressure	<input checked="" type="checkbox"/> Bulldozer/Loader
<input type="checkbox"/> Wet Methods	<input type="checkbox"/> Rotating Blade Roof Cutter	<input type="checkbox"/> Dry Removal	<input type="checkbox"/> Wrecking Ball
<input type="checkbox"/> Strip & Removal	<input type="checkbox"/> Mechanical Chipping	<input checked="" type="checkbox"/> Requires Prior Written approval from HHCU; Attach copy of approval letter	<input type="checkbox"/> Implose
<input type="checkbox"/> Glove Bag	<input type="checkbox"/> Component Removal		<input type="checkbox"/> Live Burn Training
<input type="checkbox"/> Other - Explain Below			
12. ASBESTOS WASTE TRANSPORTER # 1 N/A			
Name: -----			
Address: -----			
City: -----	State: -----	Zip: -----	
Contact Person: -----		Contact Phone: -----	
ASBESTOS WASTE TRANSPORTER # 2 N/A			
Name: -----			
Address: -----			
City: -----	State: -----	Zip: -----	
Contact Person: -----		Contact Phone: -----	
13. ASBESTOS WASTE DISPOSAL SITE N/A			
Name: -----			
Location: -----			
City: -----	State: -----	Zip: -----	
Contact Person: -----		Contact Phone: -----	
14. IF DEMOLITION ORDERED BY GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW: (ATTACH COPY OF ORDER)			
Name: N/A		Title: -----	
Authority: -----			
Date Ordered (MM/DD/YY): -----		Date Demolition Ordered to Begin (MM/DD/YY): -----	
15. I AM APPLYING FOR AN EMERGENCY RENOVATION PERMIT AND A WAIVER OF THE TEN WORKING DAY NOTIFICATION PERIOD: <input type="checkbox"/> Yes; <input type="checkbox"/> No (If Yes, attach letter)			

**ASBESTOS PERMIT APPLICATION AND NOTIFICATION
 FOR DEMOLITION/RENOVATION**

16. AMOUNT OF ACM NOT TO BE REMOVED (Indicate whether LF, SF, or CF) **N/A**

Category I:	Category II:
-------------	--------------

17. RACM MATERIALS TO BE REMOVED AND ASSESSMENT OF FEES **N/A**

TYPE OF RACM	AMOUNT X \$.10 = FEE	TYPE OF RACM	AMOUNT X \$.20 = FEE
Floor Tile	_____ sf x .10 = \$ _____	Pipe Insulation (TSI):	_____ lf x .20 = \$ _____
Ceiling Tile:	_____ sf x .10 = \$ _____	Boiler Insulation (TSI):	_____ sf x .20 = \$ _____
Cementitious Roofing/ Wallboard/Panels:	_____ sf x .10 = \$ _____	Surfacing Material:	_____ sf x .20 = \$ _____
Roofing:	_____ sf x .10 = \$ _____	Other (SqFt or CuFt):	_____ sf/cf x .20 = \$ _____
TOTAL (A)	_____ sf x .10 = \$ _____	TOTAL (B)	_____ lf/sf/cf x .20 = \$ _____

18. TOTAL LF TO BE REMOVED: N/A	TOTAL SF TO BE REMOVED: N/A	TOTAL CF TO BE REMOVED: N/A
--	------------------------------------	------------------------------------

19. FEES DUE **N/A**

(a) TOTAL # 17(A) + # 17 (B) = \$ _____

(b) ASBESTOS REMOVAL CONTRACT PRICE = \$ _____ X .01 (1%) = \$ _____

TOTAL FEES FOR ASBESTOS REMOVALS PRIOR TO DEMOLITION SHALL NOT EXCEED \$300.00. CHECK HERE, IF APPLICABLE []

RESIDING HOMEOWNERS ARE EXEMPT FROM PERMIT FEES. CHECK HERE, IF APPLICABLE []

(c) TOTAL FEE DUE = \$ _____ (Whichever is greater, (a) or (b) above)

20. I, AN OWNER OR OPERATOR OF THE DEMOLITION/RENOVATION ACTIVITY, HEREBY CERTIFY THAT THE INFORMATION SUBMITTED IS ACCURATE TO THE BEST OF MY KNOWLEDGE, AND THAT IN THE EVENT THAT UNEXPECTED RACM IS FOUND OR ACM BECOMES RACM, THE NORTH CAROLINA ASBESTOS HAZARD MANAGEMENT BRANCH WILL BE NOTIFIED. I FURTHER CERTIFY THAT THIS PROJECT WILL BE CONDUCTED IN ACCORDANCE WITH 40 CFR PART 61, SUBPART M (NESHAP) AND 15A NCAC 19C SECTION .0600 (NC ASBESTOS RULES).

NAME: _____ TITLE: _____

COMPANY NAME: _____

STREET ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____

PO BOX: _____ CITY: _____ STATE: _____ ZIP: _____

SIGNATURE: _____ DATE: _____

NOTE: Please complete with mailing address. The completed/approved permit/notification will be mailed to the signatory of this block at the mailing address indicated.

THE US ENVIRONMENTAL PROTECTION AGENCY HAS DELEGATED NESHAP ADMINISTRATIVE AND ENFORCEMENT RESPONSIBILITY TO LOCAL ENVIRONMENTAL AGENCIES IN THE FOLLOWING NORTH CAROLINA COUNTIES: BUNCOMBE, FORSYTH, AND MECKLENBURG. FOR FURTHER INFORMATION REGARDING LOCAL REQUIREMENTS, PLEASE CONTACT:

Buncombe County WNC Regional Air Pollution Control Agency 49 Mt. Carmel Road Asheville, NC 28806 828/255-5655	Forsyth County Environmental Affairs Department 537 North Spruce Street Winston-Salem, NC 27101 336/727-8064	Mecklenburg County Department of Environmental Affairs 700 North Tryon Street Charlotte, NC 28202-2236 704/336-5500
--	--	---

PLEASE SUBMIT PROPERLY COMPLETED APPLICATION FORM WITH APPLICABLE PERMIT FEES TO THE FOLLOWING ADDRESS:

HEALTH HAZARDS CONTROL UNIT NCDHHS-DIVISION OF PUBLIC HEALTH 1912 MAIL SERVICE CENTER RALEIGH, NC 27699-1912 TELEPHONE: 919-733-0820; FAX NUMBER: 919-733-8493	FOR FED EX OR OVERNIGHT MAIL: 2728 CAPITAL BLVD, 2ND FLOOR, RM 210 RALEIGH NC 27604
---	---

INSTRUCTIONS

ASBESTOS PERMIT APPLICATION AND NOTIFICATION FOR DEMOLITION/RENOVATION (FORM DHHS 3768 - Revised 11/00)

PURPOSE: This form serves as an application for an asbestos removal permit (15A NCAC 19C .0600) and as a National Emission Standard for Hazardous Air Pollutants (NESHAP) notification of demolition and/or renovation in the state of North Carolina. An approved permit is required to be displayed on site for all asbestos removals of more than 35 cubic feet, 160 square feet or 260 linear feet of regulated asbestos containing material or asbestos containing material that may become regulated during handling.

PREPARATION: All information pertinent to the removal, renovation and/or demolition must be completed by the building owner/operator or designee and submitted with applicable permit fees to:

Health Hazards Control Unit
NCDHHS-Division of Public Health
1912 Mail Service Center
Raleigh, NC 27699-1912

For Fed Ex or Overnight Mail:
2728 Capital Blvd, 2nd Floor, Room 210
Raleigh, NC 27604

1. **TYPE:** Indicate the type of notification, i.e., Asbestos Removal, Emergency Asbestos Removal, Nonscheduled Asbestos Removal, Demolition, Ordered Demolition
2. **IS ASBESTOS PRESENT:** Indicate whether asbestos is present by checking Yes or No.
3. **FACILITY INFORMATION:** Enter the name of the owner of the facility, the owner's mailing address including box number, street, city, state, zip code, contact person, and telephone number of contact person.

Operator will include those acting as agent for or representatives of the owner of the facility, such as property manager, architect, general contractor, or engineering or consulting firm. Complete the name of the operator and the operator's mailing address including box number, street, city, state, zip code, contact person and the contact person's telephone number.

If regulated asbestos containing materials (RACM) are to be removed, complete the name of the asbestos removal contractor, the contractor's mailing address including box number, street, city, state, zip code, contact person and telephone number for contact person.

Where demolition of the facility immediately follows the removal of RACM, complete the demolition contractor's name, the demolition contractor's mailing address including box number, street, city, state, zip code, contact person and telephone number for contact person.

When no asbestos removal is required prior to demolition, complete the owner, operator, and demolition contractor information as appropriate.

Supervising Air Monitor: Enter the name of the NC accredited supervising air monitor and the supervising air monitor's NC accreditation number if applicable.

Abatement Designer: Required for all individually permitted asbestos removals conducted in public areas consisting of more than 3000 square feet (281 square meters), 1500 linear feet (462 meters), or 656 cubic feet (18 cubic meters) of RACM.

4. **FACILITY DESCRIPTION:** Complete the building name of the facility to be renovated or demolished, the physical address including street number, street name, city, state, and county. Asbestos removal site location should include the building number, floor number and room number(s). Complete building size in square feet, number of floors in building, the age of the building, and its present use, prior use, and future use.
5. **SCHEDULED DATES - NONSCHEDULED ASBESTOS REMOVAL:** A nonscheduled Asbestos Removal is an asbestos removal required at any installation by the routine failure of equipment, which is expected to occur within a calendar year (Jan. 1 - Dec. 31). The amounts of RACM to be removed during this period are expected to exceed 35 cubic feet, 160 square feet, or 260 linear feet. **This notification is required to be submitted at least 10 working days prior to the new calendar year.**
6. **SCHEDULED DATES - ASBESTOS REMOVAL:** Complete the asbestos removal start date and the asbestos removal complete date. Start date means the date on which activities on a permitted asbestos removal requiring the use of accredited workers and supervisors begin, including removal area isolation and preparation or any other activity which may disturb asbestos containing materials. **This notification is required to be submitted at least 10 working days prior to the start date.**
7. **SCHEDULED DATES - DEMOLITION:** Complete the demolition start date and the demolition complete date. See definition of "Start Date" in #6 above. **This notification is required to be submitted at least 10 working days prior to the start date.**

8. **WORK SCHEDULE:** Circle all days when asbestos removal activities are to occur. Enter the working hours that asbestos removal activities will be conducted (i.e., 7:30 AM - 5:00 PM).
9. **INSPECTION INFORMATION:** Enter the North Carolina accredited inspector's name and North Carolina accreditation number. This information is required for demolitions. Enter date(s) the inspection was conducted; indicate yes or no for Samples Collected; if Samples Collected is yes, then indicate the analytical method used to analyze the samples. Materials may be assumed to be RACM in lieu of an inspection for purposes of asbestos removals.
10. **SCOPE OF WORK FOR ASBESTOS REMOVAL AND/OR DEMOLITION:** Enter a brief description of the asbestos removal and/or demolition (i.e., remove 300 lf of pipe insulation from crawl space. Demolish cafeteria building using heavy equipment).
11. **ASBESTOS REMOVAL/DEMOLITION WORK PRACTICES:** Check all appropriate boxes. Provide a complete explanation of work practices to be followed if "other" is checked. NOTE: Dry removal requires prior written approval from the HHCU. Attach copy of approval letter to completed application.
12. **ASBESTOS WASTE TRANSPORTER #1:** Complete the name, mailing address, including city, state, zip code, contact person and contact person's telephone number for the waste transporter contracted to transport the waste to an approved landfill.

ASBESTOS WASTE TRANSPORTER #2: Complete the name, mailing address, including city, state, zip code, contact person and the contact person's telephone number for the waste transporter contracted in conjunction with or separately from Waste Transporter #1.
13. **ASBESTOS WASTE DISPOSAL SITE:** Complete the name and location of the waste disposal site where the asbestos containing waste will be disposed including the street, route, or highway of the waste facility, city, state, zip code, contact person at the waste disposal site, and contact person's telephone number.
14. **IF DEMOLITION ORDERED BY GOVERNMENT AGENCY:** Complete the name, title, authority, the date of the order and the date the demolition is ordered to begin. Attach a copy of the order to the completed permit application/notification.
15. **APPLYING FOR AN EMERGENCY RENOVATION PERMIT:** Attach a letter from the owner or operator stating the date and hour the emergency occurred. Describe the sudden, unexpected event resulting in the emergency. Explain how the event caused unsafe conditions or would cause equipment damage or an unreasonable financial burden.
16. **AMOUNT OF ACM NOT TO BE REMOVED:** Enter the amounts of ACM in the affected part of the facility that will not be removed.
17. **RACM MATERIALS TO BE REMOVED AND ASSESSMENT OF FEES:** Complete the corresponding blanks with the amounts of Regulated Asbestos Containing Material(s) (RACM) being removed at the site. When RACM to be removed is greater than 35 cubic feet, 160 square feet and/or 260 linear feet, compute the fees as outlined on the form. Complete totals (A) and (B).
18. **TOTAL LF/SF/CF TO BE REMOVED:** Enter the total linear feet, total square feet, and total cubic feet from #17.
19. **FEES DUE:** (a) Total #17.(A) + Total #17.(B) and enter amount. (b) Enter asbestos removal contract price and multiply by 0.01 (1%) and enter total. Enter total fee due, whichever is greater, (a) or (b). NOTE: The maximum fee due for asbestos removal prior to demolition is \$300.00. Residing Homeowners are exempt from permit fees.
20. **CERTIFICATION:** Enter all information requested. **Only notifications completed in permanent media with original signature will be considered.**

NOTE: All owners and operators are responsible for the information on the permit/notification.

Checks should be made payable to: NCDHHS - Health Hazards Control Unit

Upon approval of the Application/Notification, an HHCU Permit Number will be assigned to the removal project and a one page project Permit will be returned to the applicant. The project Permit/Notification and all revisions must be on-site and available for review throughout the duration of the project.

REORDER: Additional forms may be ordered from:

**Health Hazards Control Unit
NCDHHS-Division of Public Health
1912 Mail Service Center
Raleigh, NC 27699-1912
Phone: (919) 733-0820 Fax: (919) 733-8493**

-5-

ALEXANDER ENGINEERING SERVICES, P.A.
Civil Engineering and Asbestos Services

Post Office Box 98567
Raleigh, NC 27624
Telephone (919) 954-7614
Fax (919) 321-1572

July 14, 2008

Mr. Terry Russell, Asbestos Program Manager
N. C. Department of Transportation
P. O. Box 25201
Raleigh, North Carolina 27611-5201

Subject: Report of Bulk Sample Analysis and Pre-Demolition Asbestos Inspection
Division Five - Durham Maintenance Yard
4000 Guess Road, Durham, North Carolina
Alexander Engineering Services Job No. AES08-252

Dear Terry:

Enclosed you will find a report of the limited asbestos survey at the above referenced facility. Included in this report is a description of known project information, the results of laboratory analysis and recommendations.

PROJECT INFORMATION - A number of buildings at the Durham Maintenance Yard are scheduled for demolition as part of the new Traffic Safety Complex or due to deteriorated condition. On July 10, 2008, representatives of Alexander Engineering Services were on site to collect additional bulk samples of suspect materials to supplement the 1997 inspection. The samples were analyzed using Polarized Light Microscopy (PLM), coupled with Dispersion Staining as outlined in the Environmental Protection Agency's (EPA) "Interim Method for the Determination of Asbestos in Material Insulation Samples" (EPA-600/M4-82-020, December 1982) at EMSL Analytical's Morrisville, North Carolina laboratory.

SURVEY RESULTS - The following table summarizes the asbestos identified in the 1997 inspection and the results of the supplementary laboratory testing:

BUILDING NUMBER	ASBESTOS-CONTAINING MATERIALS	TYPE, PERCENTAGE ASBESTOS ESTIMATED QUANTITY
32-07-07	Window glazing and roofing shingles	5% Chrysotile - 6 windows* 6% Chrysotile - 420 SF
32-07-09	Asbestos not detected	-
32-07-11	Asbestos not detected	-



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

November 27, 2007

Ms. June W. Michaux, Director
State Property Office
Department of Administration
116 W. Jones Street
Raleigh, North Carolina 27603-8003

SUBJECT: Request to Demolish – Fifteen Buildings at the Durham County Maintenance Facility – Durham, NC (F.A.#'s 32-07-07, 32-07-09, 32-07-11, 32-07-13, 32-07-14, 32-07-16, 32-07-17, 32-07-19, 32-07-20, 32-07-21, 32-07-22, 32-07-23, 32-07-38, 32-07-40, and 32-07-41),

Dear June


Attached you will find a PO-2 forms (Disposition of Real Property) along with Division site and building information, photographs, and the Fixed Asset Listing on the above subject structures which are located in Department of Transportation-Division of Highways / Durham County Maintenance Facility Durham, North Carolina. The structures that are in your files as Complex Number 1 32 07 are in the way of new construction or are in very poor condition, are no longer in use and have become a safety hazard. The removal of the existing structure will by NCDOT forces and any salvagable material will be utilized by the Department. The structures to be demolished are as follows:

1. FA# 32-07-07 (PRESSURE WATER SYSTEM #26)
2. FA# 32-07-09 (JENKINS HALL #13)
3. FA# 32-07-11 (SIGN SHED #21)
4. FA# 32-07-13 (LANDSCAPE-OFF & ASSEMBLY ROOM #6)
5. FA# 32-07-14 (LANDSCAPE-STORAGE SHED #5)
6. FA# 32-07-16 (STORAGE #27)
7. FA# 32-07-17 (STORAGE SHED #10)
8. FA# 32-07-19 (BRIDGE MAINTENANCE- STORAGE #8)
9. FA# 32-07-20 (BRIDGE MAINTENANCE - OFFICE #17)
10. FA# 32-07-21 (BRIDGE MAINTENANCE - STORAGE & TRUCK SHED #18)
11. FA# 32-07-22 (BRIDGE MAINT - LUMBER SHELTER #19)
12. FA# 32-07-23 (BRIDGE MAINTENANCE - STORAGE #20)
13. FA# 32-07-38 (EQUIPMENT SHED)
14. FA# 32-07-40 (STORAGE SHED)
15. FA# 32-07-41 (PESTICIDE STORAGE)

Your further handling of this request with the Council of State will be appreciated. If additional information is needed, please contact me at (919)715-9344.

THANKS!

Sincerely,



Terry F. Russell, Sr.
Real Property Agent
General Services

TFR

cc: Mr. Euell Elliott , PE, Div. 5
P File



Figure 1 FA# 32-07-09 Jenkins Hall # 13

Building Summary

FA# 32-07-09
Building Name: JENKINS HALL #13
Address DURHAM CO. MAINT. YARD
4000 GUESS ROAD, DURHAM NC

Date of Inspection 5/12/97
Inspector GPA/JBS

60x25

Roof Construction pitched roof - asphalt shingles

Building Exterior wood lap siding

Interior Floors wood

Interior Walls wallboard -

Ceiling wallboard

HVAC System ?

Attic, Basement or Crawlspace

no access to Buidij (locked)

LAB
REPORT
ATTACHED

ALEXANDER ENGINEERING SERVICES, P.A. Post Office Box 98567, Raleigh, NC 27615
 Asbestos Inspection Field Report and Chain of Custody

Section I: Client & Job Information:			Section II: Chain of Custody			Section III: Shipping Info:
A. Project #: AES 97-644	B. Client: NC DOT		A. Relinquished By: D. J. [Signature]	Date: 3/19/97	B. Received By:	Date:
C. Facility & Address: DURHAM CO MAINT YARD			C. Relinquished By:	Date:	D. Received By:	Date:
D. Area of Facility Inspected: MC			E. Relinquished By:	Date:	F. Received By:	Date:
E. Date: 3-18-97	F. Page: 66	G. Inspector(s) & Lic/Accred. Number: G. P. [Signature] 11061	G. Lab Name: EMSL	H. Analyze & Fax by: 3/27/97	I. Fax to this number:	C. Other#

Section IV: Field Survey Information & Results

A. Sample Number	B. Material Type/Number	C. Location & Description of Sample	D. Friability	E. Physical Condition	F. Potential for Disturbance	G. Total Amount of Material	H. Asbestos Content	I. Other Info./Notes
32 07	ROOF	MAINT OFFICE ROOF	I II Fri	G D SD	L M H			
24 51	SHINGLE							
32 07	CEILING (2x4)	FRONT OFFICE	I II Fri	G D SD	L M H			
24 52	PANEL							
32 07	CEILING	FRONT OFFICE	I II Fri	G D SD	L M H			
24 53	PANEL (2x4)							
32 07	FLOOR (1x1)	GREEN FLOOR TILE 1x1	I II Fri	G D SD	L M H			
24 54	TILE	BACK OFFICE						
32 07	FLOOR (1x1)	BEIGE FLOOR TILE 1x1	I II Fri	G D SD	L M H			
24 55	TILE	BACK OFFICE						
32 07	ROOF	JENKINS HALL	I II Fri	G D SD	L M H			
09 56	SHINGLE							
32 07	ROOF	SERVICE STATION ROOF	I II Fri	G D SD	L M H			
34 57	SHINGLE							
32 07	ROOF	BRIDGE MAINT OFFICE	I II Fri	G D SD	L M H			
20 58	SHINGLE	ROOF						
32 07	ASBESTOS	BRIDGE MAINT. OFFICE	I II Fri	G D SD	L M H			
20 59	SHINGLE	GABLE SIDING						
32 07	1x1	BRIDGE MAINT. OFFICE	I II Fri	G D SD	L M H			
20 60	CEILING TILE							

Key to Section IV: IV.B.: SURF=Surfacing, TSI=Thermal System Insulation, Miso=Miscellaneous Material. IV.D.: I & II=NESHAP Category I or II Nonfriable, Fri=Friable. IV.E.: G=Good, D=Damaged, SD=Significantly Damaged Condition. IV.F.: L=Low, M=Moderate, H=High. IV.G.: Sq=Square Feet, Ln=Linear, Cu=Cubic Feet. IV.H.: C=Chrysotile, A=Amosite, Cr=Crocidolite, Tr=Tremolite, <1%=Not Regulated by EPA or OSHA, NAD=No Asbestos Detected

ALEXANDER ENGINEERING SERVICES, P.A. Post Office Box 98567, Raleigh, NC 27615
 Asbestos Inspection Field Report and Chain of Custody

Section I: Client & Job Information:			Section II: Chain of Custody			Section III: Shipping Info:
A. Project #:	B. Client:		A. Relinquished By:	Date:	B. Received By:	Date:
C. Facility & Address:			C. Relinquished By:	Date:	D. Received By:	Date:
D. Area of Facility Inspected:			E. Relinquished By:	Date:	F. Received By:	Date:
E. Date:	F. Page:	G. Inspector(s) & Lic/Accred. Number:	G. Lab Name:	H. Analyze & Fax by:		I. Fax to this number:
C. Other#						

Section IV: Field Survey Information & Results

A. Sample Number	B. Material Type/Number	C. Location & Description of Sample	D. Friability	E. Physical Condition	F. Potential for Disturbance	G. Total Amount of Material	H. Asbestos Content	I. Other Info/Notes
32 07	WALL BOARD	CEILING	I II Fri	G D SD	L M H			
09 61		JENKINS HALL						
32 07	WALL BOARD	WALL	I II Fri	G D SD	L M H			
09 62		JENKINS HALL						
32 07	ROOF	BRIDGE STORAGE	I II Fri	G D SD	L M H			
09 63	SHINGLE	(1)						
32 07	ASBESTOS	BRIDGE STORAGE BLDG	I II Fri	G D SD	L M H			
21 63	SIDING	CABLES (1)						
32 07	ROOF	BRIDGE STORAGE	I II Fri	G D SD	L M H			
19 64	SHINGLE	(2)						
32 07	ASBESTOS	BRIDGE STORAGE BLDG	I II Fri	G D SD	L M H			
19 65	SIDING	TABLE (2)						
32 07	1x1 CEILING	BRIDGE MAINT OFFICE	I II Fri	G D SD	L M H			
20 66	TILE							
32 07	ROOF SHINGLE	BRIDGE STORAGE	I II Fri	G D SD	L M H			
21 67		(1)						
			I II Fri	G D SD	L M H			
			I II Fri	G D SD	L M H			

Key to Section IV: IV.B.: SURF=Surfacing, TSI=Thermal System Insulation, Miso=Miscellaneous Material. IV.D.: I & II=NESHAP Category I or II Nonfriable, Fri=Friable. IV.E.: G=Good, D=Damaged, SD=Significantly Damaged Condition.
 IV.F.: L=Low, M=Moderate, H=High. IV.G.: Sq=Square Feet, Ln=Linear, Cu=Cubic Feet. IV.H.: C=Chrysotile, A=Amosite, Cr=Crocidolite, Tr=Tremolite, <1%=Not Regulated by EPA or OSHA, NAD=No Asbestos Detected



Alexander Engineering Services PA
 7004 Rainwater Road
 P.O. Box 98567
 Raleigh, NC 27615

Thursday, March 27, 1997

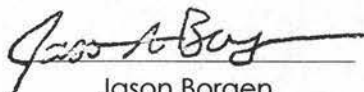
Ref Number: NC971478

POLARIZED LIGHT MICROSCOPY (PLM)

Project: AES 97-64.4

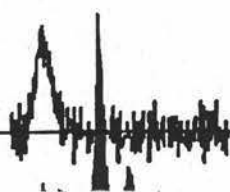
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
32 07-24-53		White Other Heterogeneous	Teased/Crushed	None Detected		30% Cellulose 65% Min. Wool	5% Other
32 07-24-54	Tile	Green Non-Fibrous Homogeneous	Dissolved/Crushed	2% Chrysotile			98% Other
32 07-24-55	Tile	Beige Non-Fibrous Homogeneous	Dissolved/Crushed	2% Chrysotile			98% Other
32 07-24-55A	Mastic	Black Other Homogeneous	Dissolved/Crushed	4% Chrysotile		3% Cellulose	93% Other
32 07-09-56		Grey/Black Other Heterogeneous	Dissolved/Crushed	None Detected		5% Cellulose 25% Glass	70% Other
32 07-34-57		Grey/Black Other Heterogeneous	Dissolved/Crushed	None Detected		33% Cellulose	67% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


 Jason Borgen
 Analyst


 Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.





Alexander Engineering Services PA
 7004 Rainwater Road
 P.O. Box 98567
 Raleigh, NC 27615

Thursday, March 27, 1997

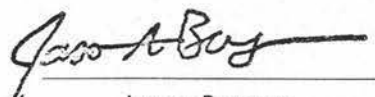
Ref Number: NC971478

POLARIZED LIGHT MICROSCOPY (PLM)

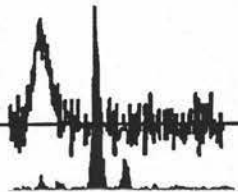
Project: AES 97-64.4

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS		
				%	TYPE	%	FIBROUS	%
32 07-20-58		Grey/Black Other Heterogeneous	Dissolved/Crushed		None Detected	5% Cellulose 30% Glass		65% Other
32 07-20-59		White/Grey Other Heterogeneous	Teased/Crushed	45%	Chrysotile	5% Cellulose		50% Other
32 07-20-60		White/Brown Other Heterogeneous	Teased/Crushed		None Detected	97% Cellulose		3% Other
32 07-09-61		White/Brown Other Heterogeneous	Teased/Crushed		None Detected	18% Cellulose		82% Other
32 07-09-62		White/Brown Other Heterogeneous	Teased/Crushed		None Detected	25% Cellulose		75% Other
32 07-21-63		White/Grey Other Heterogeneous	Teased/Crushed	40%	Chrysotile	5% Cellulose		55% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


 Jason Borgen
 Analyst


 Approved
 Signatory



Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Disclaimer and Special Notes

This survey is limited to accessible areas only. No demolition was performed to access specific areas unless directed by the Asbestos Program Manager.

All hidden or concealed piping (i.e., in walls, sealed pipe chases, etc.) found during normal renovations or demolition activities are assumed to be asbestos containing or contaminated until subsequent testing proves otherwise.

All solid fire rated doors and materials beneath rubber membrane roofing systems are assumed to be asbestos-containing. Samples could not be obtained without destructive methods, possibly voiding warranties.

All measurements included in this report are approximations to be used by the NC DOT personnel during normal operations and maintenance activities. Outside contractors should use their own measurements for pricing and removal permitting.

Broad assumptions were made as to the homogeneous nature of materials. When major renovations or abatements are planned, additional sampling may be required and is recommended.



North Carolina Department of Transportation
FACILITY ASBESTOS NOTIFICATION

Form 1001S

Effective 8-1-96
 Revised 8-21-96

Part I. NOTIFICATION

The North Carolina Department of Transportation is hereby notifying you that the building listed below has been tested for the presence of asbestos-containing materials (ACM). A survey report is on file and may be requested by contacting the NC DOT Asbestos Program Manager at (919) 715-0400.


Part II. FACILITY INFORMATION *(Please Print Clearly or Type)*

1. Facility Name/Identification Number: Jenkins Hall #13 / FA #32-07-09
2. Facility Address: 4000 Guess Road, Durham, NC 27704

Part III. ASBESTOS STATUS:

<input checked="" type="checkbox"/> 1. No asbestos containing building material (ACBM) was located by asbestos inspection dated <u>March 17-18, 1997</u> .												
<input type="checkbox"/> 2. This building contains asbestos as follows: <i>(Specify locations)</i>												
<table border="0"> <tr> <td>Ceiling Tile/Panels/Areas Above Ceiling:</td> <td>_____</td> </tr> <tr> <td>Floor Materials:</td> <td>_____</td> </tr> <tr> <td>Wall Board or Panels:</td> <td>_____</td> </tr> <tr> <td>Surfacing Material:</td> <td>_____</td> </tr> <tr> <td>Thermal Insulation:</td> <td>_____</td> </tr> <tr> <td>Other: <i>(Describe)</i></td> <td>_____</td> </tr> </table>	Ceiling Tile/Panels/Areas Above Ceiling:	_____	Floor Materials:	_____	Wall Board or Panels:	_____	Surfacing Material:	_____	Thermal Insulation:	_____	Other: <i>(Describe)</i>	_____
Ceiling Tile/Panels/Areas Above Ceiling:	_____											
Floor Materials:	_____											
Wall Board or Panels:	_____											
Surfacing Material:	_____											
Thermal Insulation:	_____											
Other: <i>(Describe)</i>	_____											

Part IV. ASBESTOS MANAGEMENT CERTIFICATION

Asbestos Management Planner <i>(Signature)</i> 	Accreditation Number: NC #20641	Date: 4/22/97	Phone Number: (919)715-0400
---	------------------------------------	------------------	--------------------------------

Part V. ACKNOWLEDGEMENT OF NOTIFICATION

Name <i>(Please Print Clearly)</i>	Company	Company Phone Number
Signature	Date	

NOTE:

DO NOT remove any tags or labels from items labeled as ACM. If you must post any warning labels in association with your work, please remove immediately upon completion of work. If your work requires lock-out/tagout of energy sources, please ensure the facility coordinator for this facility is fully aware of the extent of your activities. Your safety and health while visiting our facilities is our paramount concern.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.
GOVERNOR

P.O. BOX 25201, RALEIGH, N.C. 27611-5201

E. NORRIS TOLSON
SECRETARY

November 17, 1998

MEMORANDUM

TO: Bobby Ladd Courier No: 17/ 27/ 03
Facility Coordinator

FROM: Terry F. Russell, Sr.
Asbestos Program Manager
Facilities Design

A handwritten signature in cursive script that reads "Terry F. Russell, Sr.".

SUBJECT: Facility Asbestos Notification Forms For Complex No:32- 07
Durham County , Maintenance Unit

Attached are the original signed Asbestos Notification Form(s) for you to review and administer the Form(s) with employees, contractors, or contract employees performing facility related activities at the above noted location. Also, attached is a cover sheet listing all buildings that you are the Facility Coordinator. For the cover sheet to be used as "Acknowledgment of Notification", all buildings listed must be reviewed with employee, contractor, or contract employee.

If you have anyone refusing to sign the 1001S Form or the 1001C Form please have witnessed by two people and so noted on the Form. Make as many copies as necessary to have signed for "Acknowledgment of Notification". Return the fully executed Forms to this office (Courier #51-31-00) and keep a copy for your file. If you need orientation on reviewing and administering the Form please contact me at (919) 715-0400 or the Division Safety Engineer.

It is required that employees watch the "Understanding Asbestos in the Workplace" Video as part of your Safety Program. The video may be scheduled and obtained through DOT Safety and Loss Control at (919) 250-4200.

TFRsr
Enclosure

cc: Paul Gundlach
A-File





North Carolina Department of Transportation
COMPLEX COVER SHEET
FACILITY ASBESTOS NOTIFICATION

Form 1001C
 Effective 4-1-97

Part I. NOTIFICATION

The North Carolina Department of Transportation is hereby notifying you that the buildings listed below has been tested for the presence of asbestos-containing materials (ACM). A survey report and the 1001S forms for each building listed is to be reviewed with you by the designated Facility Coordinator. This will be on file and may be requested by contacting the NC DOT Asbestos Program Manager at (919) 715-0400.

Part II. FACILITY INFORMATION (Please Print Clearly or Type)

1. Facility Name: DURHAM COUNTY MAINTENANCE YARD

2. Facility - F.A.#/County/Unit
32-07 / DURHAM / MAINTENANCE

3. Facility Coordinator: BOBBY LADD Phone No: (919) 477-2814

Part III. BUILDINGS COVERED BY THIS SHEET:

Building Name / F.A. #	Building Name / F.A. #
<u>QUONSET HUT #9 / 32-07-01</u>	<u>STORAGE SHED #10 / 32-07-17</u>
<u>TRUCK SHED #31 / 32-07-02</u>	<u>FUEL STATION #38 / 32-07-34</u>
<u>OLD GAS HOUSE #32 / 32-07-03</u>	<u>SALT DOME / 32-07-35</u>
<u>SALT STORAGE #36 / 32-07-05</u>	<u>TRUCK SHED / 32-07-36</u>
<u>SALT SPREADER STORAGE #37 / 32-07-06</u>	<u>RADIO TRANSMITTER Bldg / 32-07-39</u>
<u>MAINT. STORAGE #30 / 32-07-08</u>	<u>STORAGE SHED / 32-07-00</u>
<u>JENKINS HALL #13 / 32-07-09</u>	<u>SALT STORAGE BIN / 32-07-00</u>
<u>MAINT. OFFICE #16 / 32-07-10</u>	<u>PRESSURE WATER SYSTEM #26 / 32-07-07</u>
<u>BLACKSMITH SHOP #25 / 32-07-12</u>	
<u>STORAGE SHED #27 / 32-07-16</u>	

Part IV. ASBESTOS MANAGEMENT CERTIFICATION

Asbestos Management Planner (Signature) <u>[Signature]</u>	Accreditation Number: <u>20641</u>	Date: <u>11-17-98</u>	Phone Number: <u>919-715-0400</u>
---	---------------------------------------	--------------------------	--------------------------------------

Part V. ACKNOWLEDGEMENT OF NOTIFICATION

Name (Please Print Clearly)	Company	Company Phone Number
Signature	Date	

NOTE:

DO NOT remove any tags or labels from items labeled as ACM. If you must post any warning labels in association with your work, please remove immediately upon completion of work. If your work requires lock-out/tagout of energy sources, please ensure the facility coordinator for this facility is fully aware of the extent of your activities. Your safety and health while visiting our facilities is our paramount concern.

ASBESTOS SIGNAGE WORKSHEET

COUNTY DURHAM No. (32) COMPLEX DURHAM CNTY. MAINTENANCE YARD No. (07) PAGE 1 of 2

FACILITY COORDINATOR BOBBY LADD TELEPHONE# 919-477-2814

ASSET #	BUILDING NAME	*ACM SIGNAGE					# OF ENTRANCE SIGNAGE (Facility Coord. & Bldg. ID.)	DATE ACM SIGNAGE INSTALLED
		F	C	T	M	O		
32-07-01	QUONSET HUT #9	/	/	/	/	/	1	
32-07-02	TRUCK SHED #31	/	/	/	/	/	1	
32-07-03	OLD GAS HOUSE #32	/	/	/	/	/	1	
32-07-05	SALT STORAGE #36	/	/	/	/	/	1	(BLDG. SIGN ONLY)
32-07-06	SALT SPREADER STORAGE #37	/	/	/	/	/	1	
32-07-08	MAINTENANCE STORAGE #30	/	/	/	/	/	1	
32-07-09	JENKINS HALL #13	/	/	/	/	/	1	
32-07-10	MAINTENANCE OFFICE #16	1	/	/	/	1	2	
32-07-12	BLACKSMITH SHOP #25	/	/	/	/	1	1	
32-07-16	STORAGE SHED #27	/	/	/	/	/	1	
32-07-17	STORAGE SHED #10	/	/	/	/	/	1	
32-07-34	FUEL STATION #38	/	/	/	/	/	1	
32-07-35	SALT DOME	/	/	/	/	/	1	
32-07-36	TRICO SHED	/	/	/	/	/	1	
32-07-39	RADIO TRANSMITTER BLDG.	/	/	/	/	/	1	
TOTALS =		1	/	/	/	2	16	(one BLDG. SIGN ONLY)

* F= Flooring / C= Ceiling / T= Thermal System Insulation / M= Mechanical / O= Other

DIVISION SAFETY ENGINEER SIGNATURE _____

(To be signed upon completion)

ASBESTOS SIGNAGE WORKSHEET

COUNTY DURHAM No. (32) COMPLEX DURHAM CNTY. MAINTENANCE YARD No. (07) PAGE 2 of 2

FACILITY COORDINATOR BOBBY LADD TELEPHONE# 919-477-2814

ASSET #	BUILDING NAME	*ACM SIGNAGE					# OF ENTRANCE SIGNAGE <small>(Facility Coord. & Bldg. ID)</small>	DATE ACM SIGNAGE INSTALLED
		F	C	T	M	O		
<u>32-07-00</u>	<u>STORAGE SHED</u>	 	 	 	 	 	<u>1</u>	
<u>32-07-00</u>	<u>SALT LOADING BIN</u>	 	 	 	 	 	<u>1</u>	<u>(BLOG. SIGN ONLY)</u>
<u>32-07-07</u>	<u>PRESSURE WATER System #26</u>	 	 	 	 	<u>1</u>	<u>1</u>	
TOTALS =		 	 	 	 	<u>1</u>	<u>3</u>	<u>(one BLOG. SIGN ONLY)</u>

* F= Flooring / C= Ceiling / T= Thermal System Insulation / M= Mechanical / O= Other

DIVISION SAFETY ENGINEER SIGNATURE _____

(To be signed upon completion)

NCDOT
Durham Co. Maintenance Office Building
Durham, North Carolina

CLH Project No: 17-167

CLH design, PA
400 Regency Forest Drive, Suite 120
Cary, NC 27518



Addendum #1

10-April-2018

Where any article, division or subparagraph of the original contract documents or other addenda is supplemented herein, the provisions of the original documents shall remain in effect. All the supplemental provisions shall be considered as added thereto. Where any such article, division or subparagraphs are amended, voided or superseded thereby, the provisions of such article, division or subparagraph not so specifically amended, voided or superseded shall remain in effect.

The attention of the Contractor is called to the following clarifications, additions to and changes in the plans and specifications dated **25 March 2019** on the above job. It will be the responsibility of each Contractor to call such clarifications, additions to and changes in the plans and specifications to the attention of subcontractors concerned. The Engineer in no way assumes any responsibility for notifying any subcontractor, material dealers or others not having received the original contract documents.

ITEM 1. GENERAL CONTRACT

Refer to Existing Conditions/Demolition sheet C-101

Revision:

Clarified that the demolition of the existing wood framed building (Jenkins Hall #13) shall be bay the contractor and not the owner.

ITEM 2. GENERAL CONTRACT

Refer to Erosion Control Plan sheet C-401

Revision:

Removed the self inspection notes and added General Notes #13 and #14.

ITEM 3. GENERAL CONTRACT

Refer to Detail sheet C-603

Revision:

- a. Revised the gravel pavement and overlay sections to use ABC instead of #67 stone.
- b. Revised Note #4 in the Concrete Sidewalk detail to remove the fiber reinforcing.

Addendum #2 Attachments:

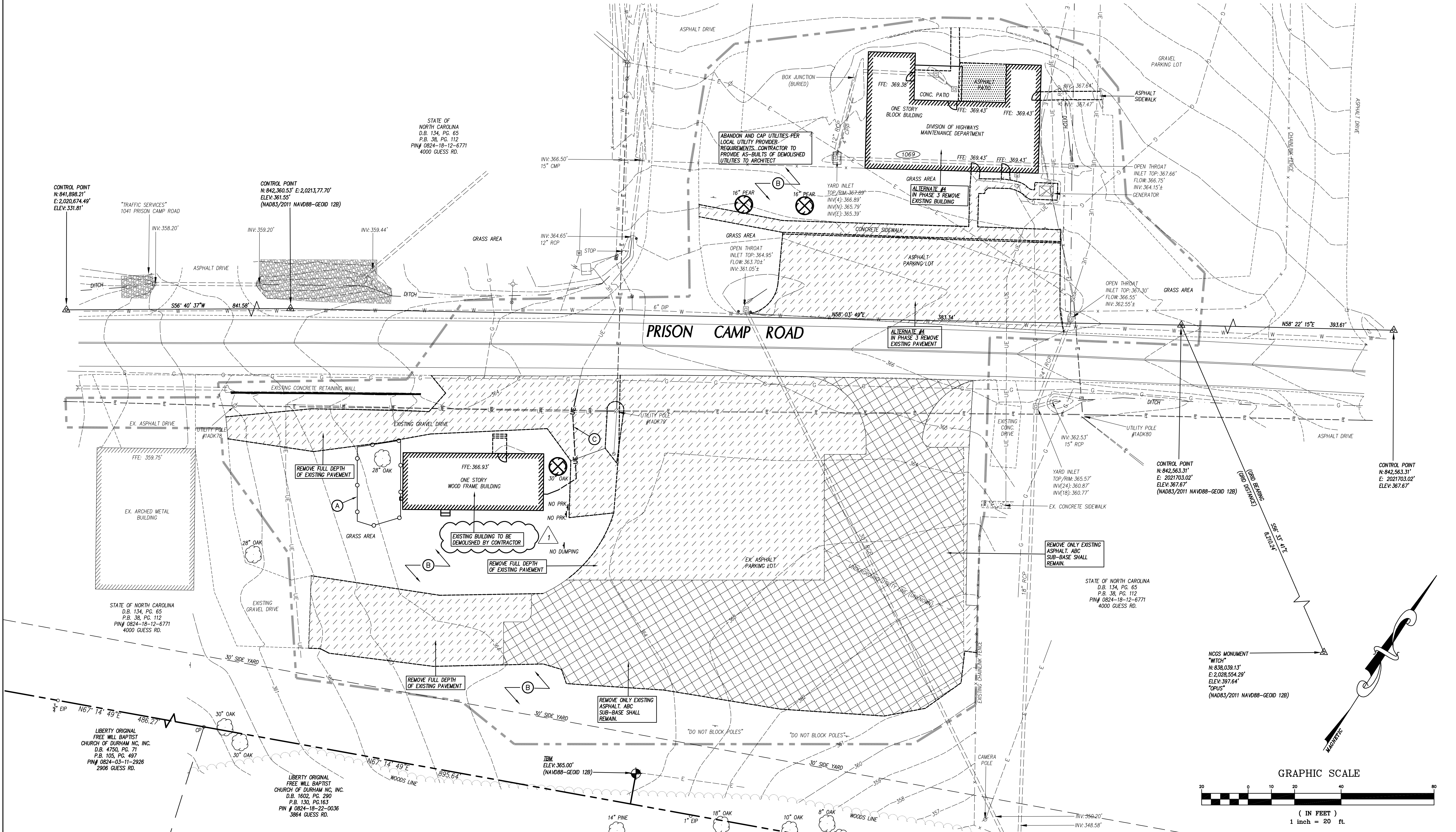
1. Replace the revised plan sheets
 - a. C-101 Existing Conditions – Demolition Plan
 - b. C-401 Erosion Control Plan
 - c. C-603 Site Details

END OF ITEMS FOR THIS ADDENDUM

1	4/10/19	ADDENDUM 1
ID	DATE	DESCRIPTION

DRAWN BY: ST, YA
CHECKED BY: ZRP

EXISTING CONDITIONS AND DEMOLITION PLAN



LEGEND

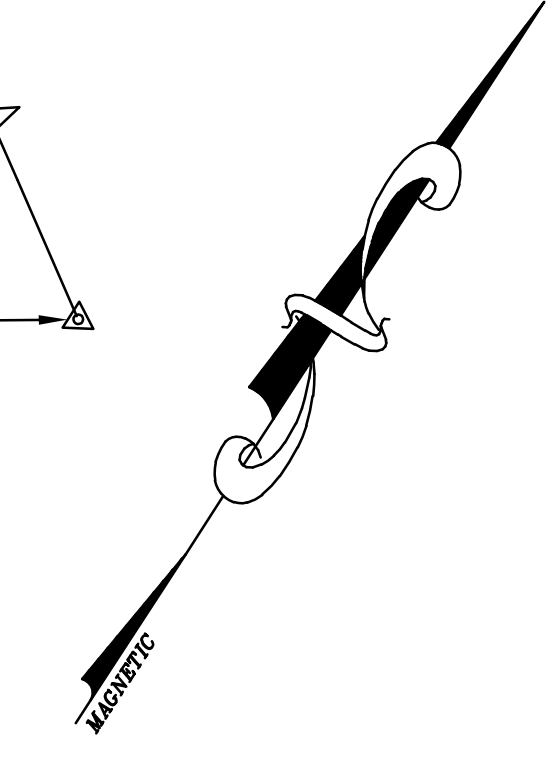
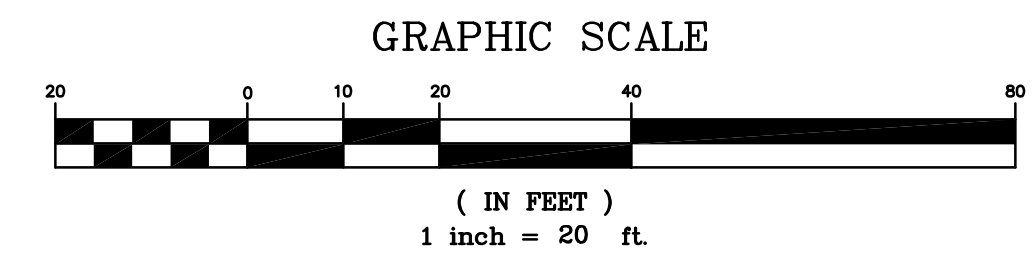
STRUCTURES/UTILITIES TO BE REMOVED	STRUCTURES/UTILITIES TO REMAIN
OVERHEAD ELECTRICAL ----- E -----	OVERHEAD ELECTRICAL ----- E -----
UNDERGROUND ELECTRICAL ----- UE -----	UNDERGROUND ELECTRICAL ----- UE -----
FIRE PROTECTION ----- FP -----	FIRE PROTECTION ----- FP -----
GAS ----- G -----	GAS ----- G -----
SANITARY SEWER ----- SS -----	SANITARY SEWER ----- SS -----
TELEPHONE ----- T -----	TELEPHONE ----- T -----
UNDERGROUND TELEPHONE ----- UT -----	UNDERGROUND TELEPHONE ----- UT -----
FIBER OPTIC ----- FO -----	FIBER OPTIC ----- FO -----
WATER ----- W -----	WATER ----- W -----
FORCE MAIN ----- FM -----	FORCE MAIN ----- FM -----
STORM DRAIN ----- SD -----	STORM DRAIN ----- SD -----
INDIVIDUAL TREE TO BE REMOVED	INDIVIDUAL TREE TO REMAIN
LIGHT POLE LP	LIGHT POLE LP
UTILITY POLE UP	UTILITY POLE UP
MANHOLE MH	MANHOLE MH
CLEAN OUT CO	CLEAN OUT CO
DROP INLET, CATCH BASIN DI, CB	DROP INLET, CATCH BASIN DI, CB

KEY NOTES

STRUCTURES/UTILITIES TO BE REMOVED	STRUCTURES/UTILITIES TO REMAIN
FIRE HYDRANT FH	FIRE HYDRANT FH
WATER VALVE WV	WATER VALVE WV
CONSTR./CLEARING LIMITS	REMOVE FULL DEPTH OF EXISTING PAVEMENT
TREE PROTECTION FENCE	REMOVE ONLY EXISTING ASPHALT, ABC SUB-BASE SHALL REMAIN.

(A) TEMPORARY TREE PROTECTION FENCE, SEE DETAIL SHEET C601.
(B) CLEAR AND GRUB, STRIP TOPSOIL WITHIN CONSTRUCTION LIMITS.
(C) EXISTING UTILITY LINE/STRUCTURE TO BE REMOVED/RELOCATED BY LOCAL UTILITY COMPANY. LOCAL UTILITY COMPANY SHALL DETERMINE THE LIMITS AND EXTENT OF REMOVAL/RELOCATION OF UTILITIES REQUIRED FOR NEW CONSTRUCTION. COORDINATE SCHEDULE AND WORK WITH LOCAL UTILITY COMPANY AND ARCHITECT/OWNER.

- GENERAL NOTES**
- ALL EXISTING STRUCTURES AND UTILITIES SHALL BE REMOVED AS NEEDED TO ALLOW NEW CONSTRUCTION. IN GENERAL, FEATURES INDICATED IN BOLD ON THIS PLAN SHALL BE REMOVED.
 - ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT FOR NEW PAVEMENT, SIDEWALK, OR CURB AND GUTTER, ETC. ANY EXISTING PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH PRE-CONSTRUCTION CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED).
 - ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
 - ALL WASTE MATERIAL GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
 - EXISTING SITE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM SURVEY BY HANKEYE GEOMATICS, PERFORMED 12/04/2017 BY AARON J. PERKINSON NORTH CAROLINA PROFESSIONAL LAND SURVEYOR #5172. THESE PLANS DO NOT ASSUME ANY LIABILITY FOR ANY EXISTING INFORMATION BOTH SHOWN AND NOT SHOWN ON THE SURVEY AND ANY CHANGES TO THE EXISTING CONDITIONS THAT MAY HAVE OCCURRED AFTER THE SURVEY WAS ISSUED. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
 - NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTICES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.
 - VERIFY ALL ILLUSTRATED UNDERGROUND ELEMENTS/UTILITIES. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS/UTILITIES. NOTIFY THE ARCHITECT IMMEDIATELY IF UNKNOWN ELEMENTS/UTILITIES ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
 - CONTACT UTILITY LOCATING SERVICE AT LEAST 48-HRS PRIOR TO EXCAVATION.
 - PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, REPAIR IMMEDIATELY AS DIRECTED BY THE ARCHITECT.
 - ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF DURHAM AND/OR NCDOT STANDARDS AND SPECIFICATIONS.
 - ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISH GRADE.
 - DEMOLITION AND PATCHING OF PAVEMENT, SIDEWALK, CURB AND GUTTER AND OTHER EXISTING PAVED SURFACES IN ADDITION TO THAT INDICATED ON THIS PLAN SHALL BE PERFORMED AS REQUIRED TO RECONSTRUCT AND INSTALL NEW UTILITIES. ALL SUCH DEMOLITION AND PATCHING SHALL BE INCLUDED IN THE BASE BID SCOPE OF WORK. SEE SHEET C-601 FOR PAVEMENT REPAIR DETAILS.
 - THIS SITE IS/IS NOT LOCATED WITHIN SPECIAL FLOOD HAZARD AREAS AS DETERMINED BY FEMA AND DEPICTED ON F.I.R.M. MAP 3720082400K, DATED 10/19/2018 AS BEING WITHIN ZONE "X-OTHER AREA".
 - NO WORK SHALL BE PERFORMED ON RIGHT-OF-WAYS OR ADJACENT PROPERTIES UNTIL THE OWNER NOTICES CONTRACTOR IN WRITING OF PROCUREMENT OF APPROPRIATE PERMITS, EASEMENTS, AGREEMENTS, OR RIGHTS-OF-WAY.



BD SET

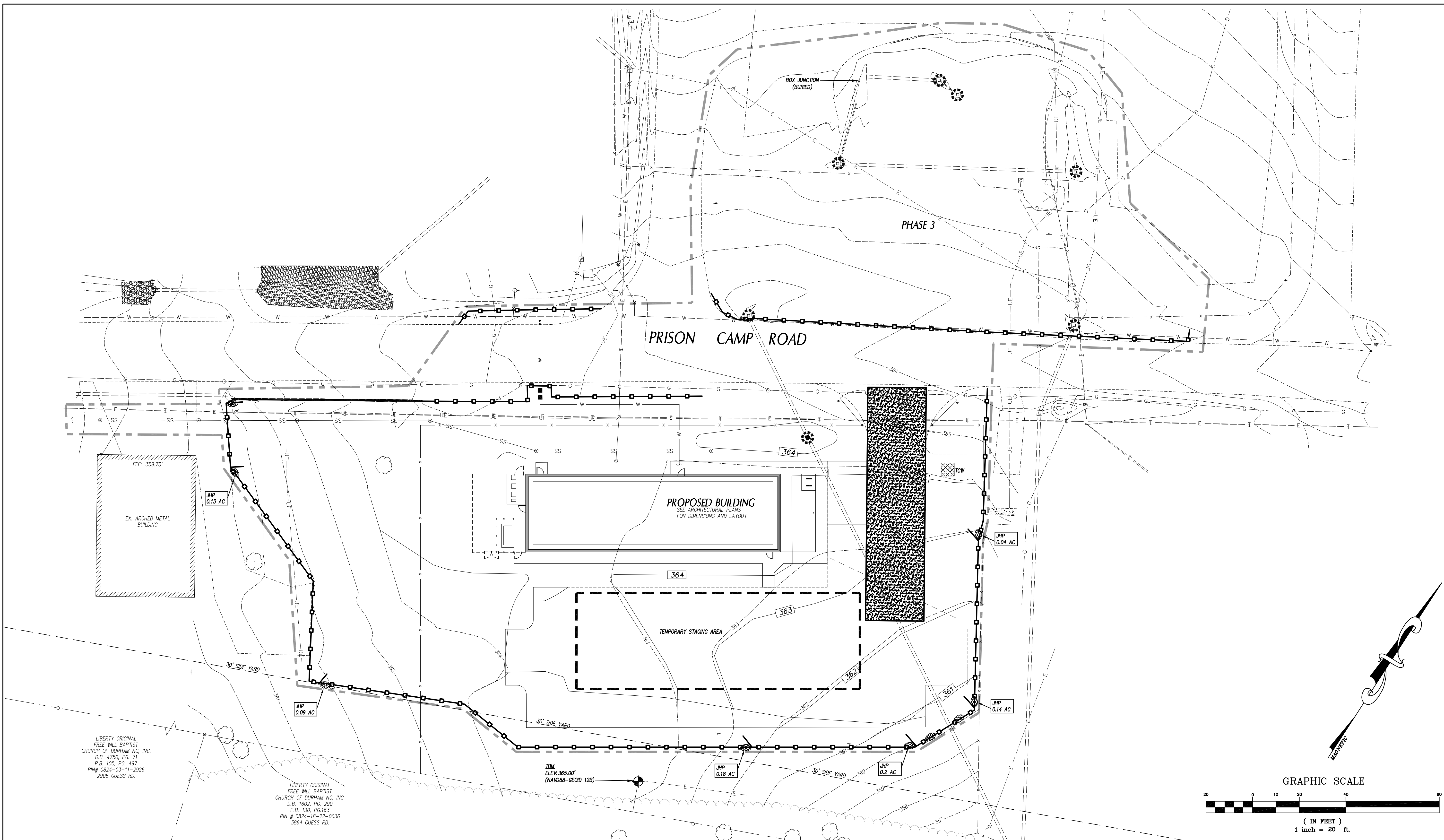
ID	DATE	DESCRIPTION
1	4/10/19	ADDENDUM 1

DRAWN BY: ST, YA
CHECKED BY: ZRP

EROSION CONTROL PLAN

2018004
CLH DESIGN - PROJECT # 17-167 03.25.19

C-401



SLOPE & SURFACE STABILIZATION

GROUND STABILIZATION SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO FOLLOWING SCHEDULE:

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND 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 HOW ZONES).

EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE (SECTION 11.6(2) (b)).

THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.

INSTALL TEMPORARY EXCELLSIOR MATTING FOR STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER) AND AREAS OF CONCENTRATED FLOW (CHANNELS, DITCHES, SWALES, ETC.). UTILIZE TEMPORARY COCONUT MAT IN AREAS IDENTIFIED ON PLAN. REFER TO SPECIFICATION SECTION 312500 FOR MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.

MAT SLOPES IN SUMMER AND WINTER - GRADED SLOPES AND FILLS SHALL BE PROTECTED WITH A ROLLED EROSION CONTROL PRODUCT IF COMPLETED OUTSIDE OPTIMUM GERMINATION SEASONS, WHEN UNFAVORABLE WEATHER CONDITIONS PREVENT ESTABLISHMENT OF VEGETATIVE GROUND COVER.

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF DURHAM AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF SITE. ALL OFF-SITE SOIL BORROW AND WASTE SITES SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITIES. CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION OF SEDIMENT & EROSION CONTROL PERMIT FOR ANY OFF-SITE SITES TO OWNER PRIOR TO RELOCATING ANY STOCKPILE MATERIALS.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY LOCAL AUTHORITIES OR ARCHITECT.
- TOTAL DISTURBED AREA: 0.95 AC.
- ALL OPEN STORM PIPES SHALL BE PROTECTED WITH STONE FILTER PROTECTION AFTER WORK STOPPAGE EACH DAY. SEE DETAIL SHEET.
- ALL STORM DRAINAGE PIPES SHALL BE THOROUGHLY FLUSHED OF ALL SEDIMENT FOLLOWING SITE STABILIZATION. INTERIOR FLUSHING OF SYSTEM SHALL BE PERFORMED AS NEEDED TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
- THE INDICATED STAGING AREA IS INTENDED FOR VEHICLES AND NON-ERODIBLE MATERIALS ONLY. NO SOIL, SAND OR OTHER ERODIBLE, FINE GRAINED MATERIAL SHALL BE STORED OUTSIDE OF THE LIMITS OF THE SITE PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES.
- SOIL AND OTHER MATERIALS SHALL ONLY BE TEMPORARILY STOCKPILED WITHIN THE CONSTRUCTION LIMITS PROTECTED BY SEDIMENT AND EROSION CONTROL DEVICES AND MEASURES. STOCKPILES SHALL BE STABILIZED AS REQUIRED AS INDICATED IN THE SLOPE & SURFACE STABILIZATION NOTES ON THIS PLAN.
- THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION IS SCHEDULED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO). THE FENCING SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FINAL SITE INSPECTION FOR THE SITE.
- TREE PROTECTION FENCING SHALL NOT BE MOVED AND THERE SHALL BE NO ENCROACHMENT ON SUCH PROTECTED AREA(S) WITHOUT WRITTEN AUTHORIZATION OF THE COUNTY ZONING COMPLIANCE STAFF. ANY ACTIVITY (LANDSCAPING, FENCING, OR UTILITY INSTALLATION) SHOWN ON THE APPROVED PLANS IN A TREE PROTECTION AREA SHALL ALSO NOT OCCUR WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ZONING COMPLIANCE STAFF. ANY UNAUTHORIZED ENCROACHMENT OR DISTURBANCE WITHIN THE BOUNDARIES OF A TREE PROTECTION AREA SHALL AUTOMATICALLY RESULT IN FINES AND THE REPLACEMENT OF ANY DAMAGED VEGETATION IN ACCORDANCE WITH THE LAND DEVELOPMENT ORDINANCE.

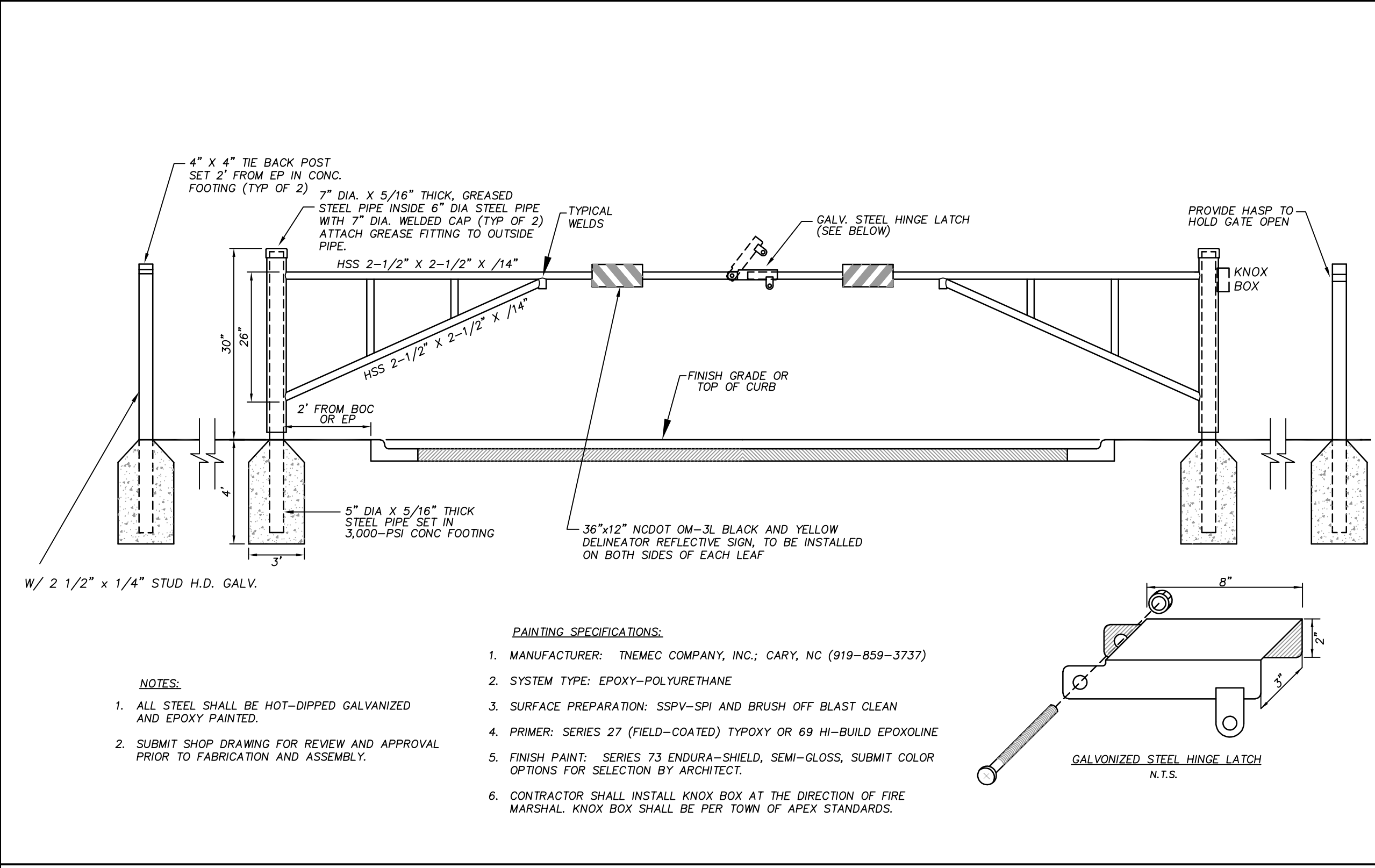
MAINTENANCE PLAN

- DURING ALL PHASES OF CONSTRUCTION, GROUND COVER ON EXPOSED SLOPES SHALL BE PROVIDED ACCORDING TO GROUND STABILIZATION TABLE (ABOVE) FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
- FINAL PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS ACCORDING TO GROUND STABILIZATION TABLE (BELOW) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
- THE ABOVE REQUIREMENTS ARE THE MINIMUM NECESSARY TO MEET EROSION AND SEDIMENT CONTROL REGULATIONS. THE CONTRACT DOCUMENTS INCLUDE ADDITIONAL SEEDING AND STABILIZATION REQUIREMENTS AND SCHEDULES WHICH MAY EXCEED THOSE ABOVE.
- SLOPE EROSION CONTROL MATTING SHALL BE INSTALLED FOR TEMPORARY STABILIZATION DURING THE ESTABLISHMENT OF VEGETATIVE COVER ON ALL STEEP SLOPES (6:1 OR STEEPER). REFER TO MATERIAL SPECIFICATIONS. INSTALL MATTING PER MANUFACTURER'S INSTRUCTIONS.
- ALL OTHER SEEDED AREAS SHALL BE MULCHED WITH STRAW AND TACKED WITH ASPHALT.

LEGEND

	TEMP. GRAVEL CONSTR. ENTRANCE SEE DETAIL SHEET C-601.		EXISTING CONTOUR
	TEMP. INLET PROTECTION DEVICE SEE DETAIL SHEET C-601.		TEMP. CONTOUR (TEMP. GRADES DURING CONSTR.)
	TEMP. REINFORCED SILT FENCE OUTLET SEE DETAIL SHEET C-601.		TREE PROTECTION FENCE SEE DETAIL SHEET.
	TEMP. CONCRETE WASHOUT AREA SEE DETAIL SHEET C-601.		PROPOSED STORM SEWER PIPES SEE DETAIL SHEET.
	TEMP. J-HOOK PROTECTION SEE DETAIL SHEET C-601.		EXISTING STORM SEWER PIPES
	TEMP. SILT FENCE SEE DETAIL SHEET C-601.		CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.

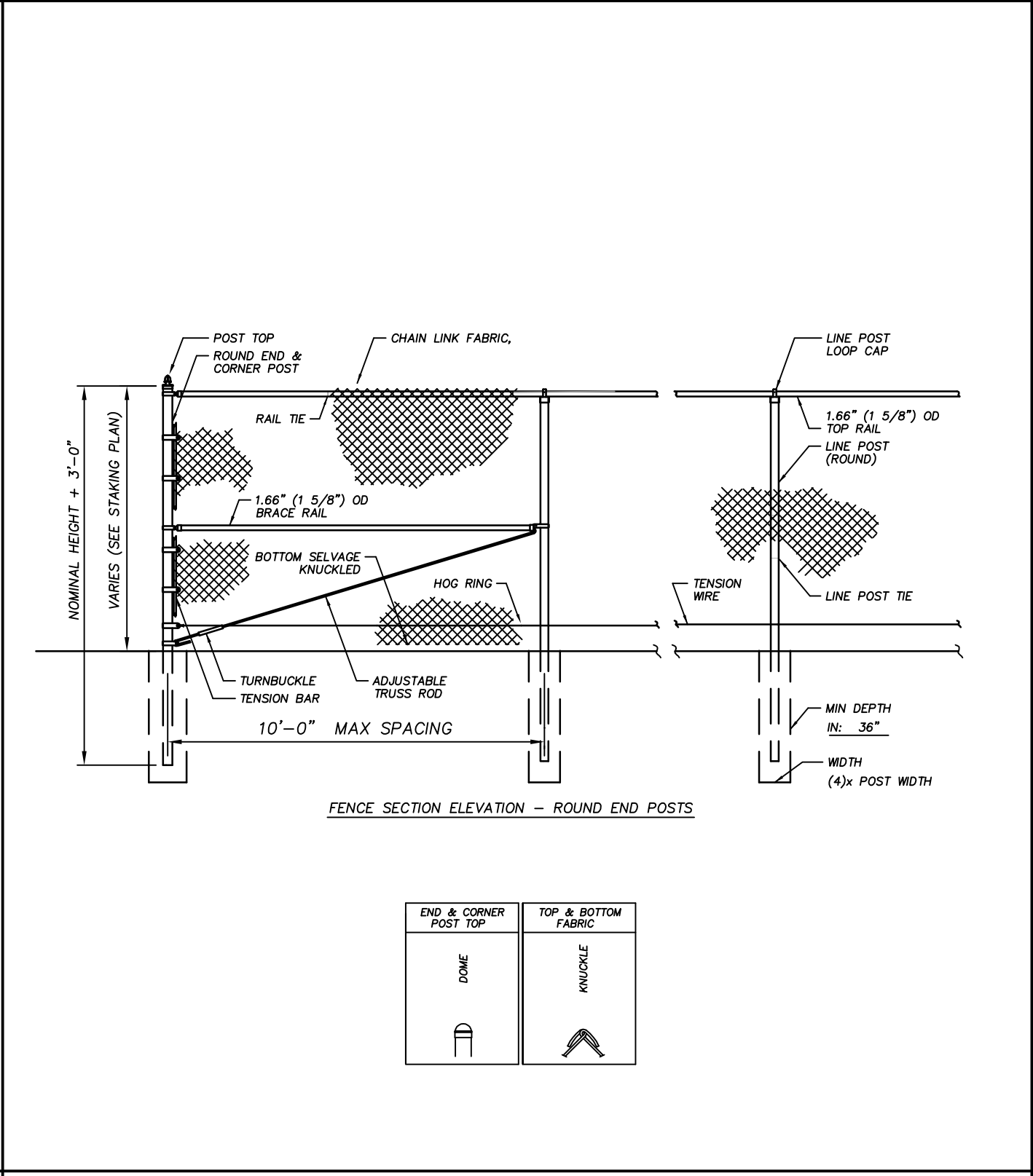
BID SET



- PAINTING SPECIFICATIONS:**
- MANUFACTURER: TNEMEC COMPANY, INC.; CARY, NC (919-859-3737)
 - SYSTEM TYPE: EPOXY-POLYURETHANE
 - SURFACE PREPARATION: SSPV-SPI AND BRUSH OFF BLAST CLEAN
 - PRIMER: SERIES 27 (FIELD-COATED) TYPOXY OR 69 HI-BUILD EPOXOLINE
 - FINISH PAINT: SERIES 73 ENDURA-SHIELD, SEMI-GLOSS, SUBMIT COLOR OPTIONS FOR SELECTION BY ARCHITECT.
 - CONTRACTOR SHALL INSTALL KNOX BOX AT THE DIRECTION OF FIRE MARSHAL. KNOX BOX SHALL BE PER TOWN OF APEX STANDARDS.
- NOTES:**
- ALL STEEL SHALL BE HOT-DIPPED GALVANIZED AND EPOXY PAINTED.
 - SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND ASSEMBLY.

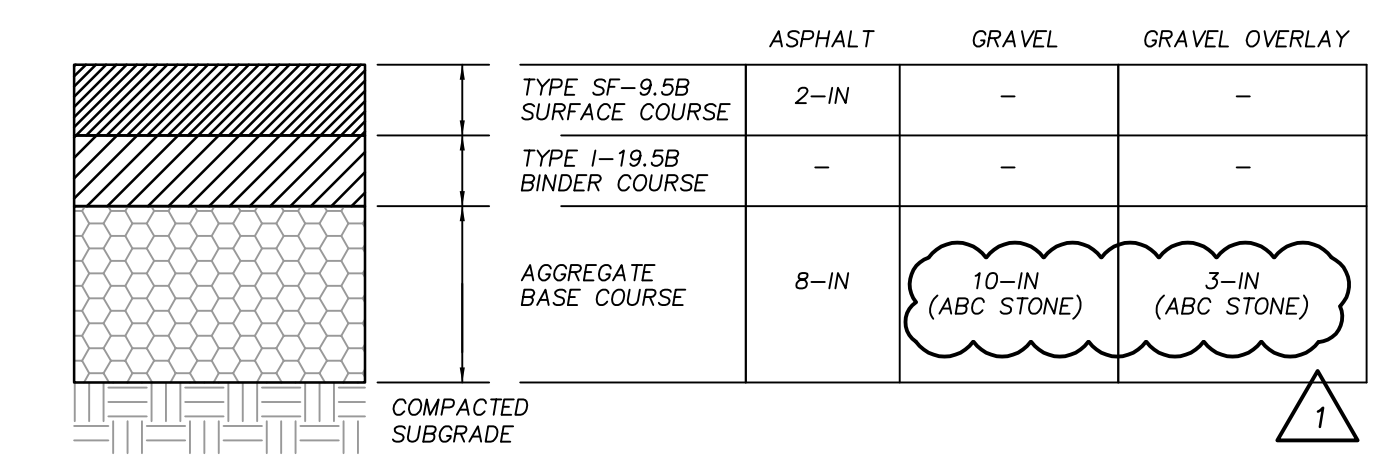
PIPE GATE

N.T.S.



GALVANIZED CHAIN LINK FENCE

N.T.S.



PAVEMENT SECTIONS

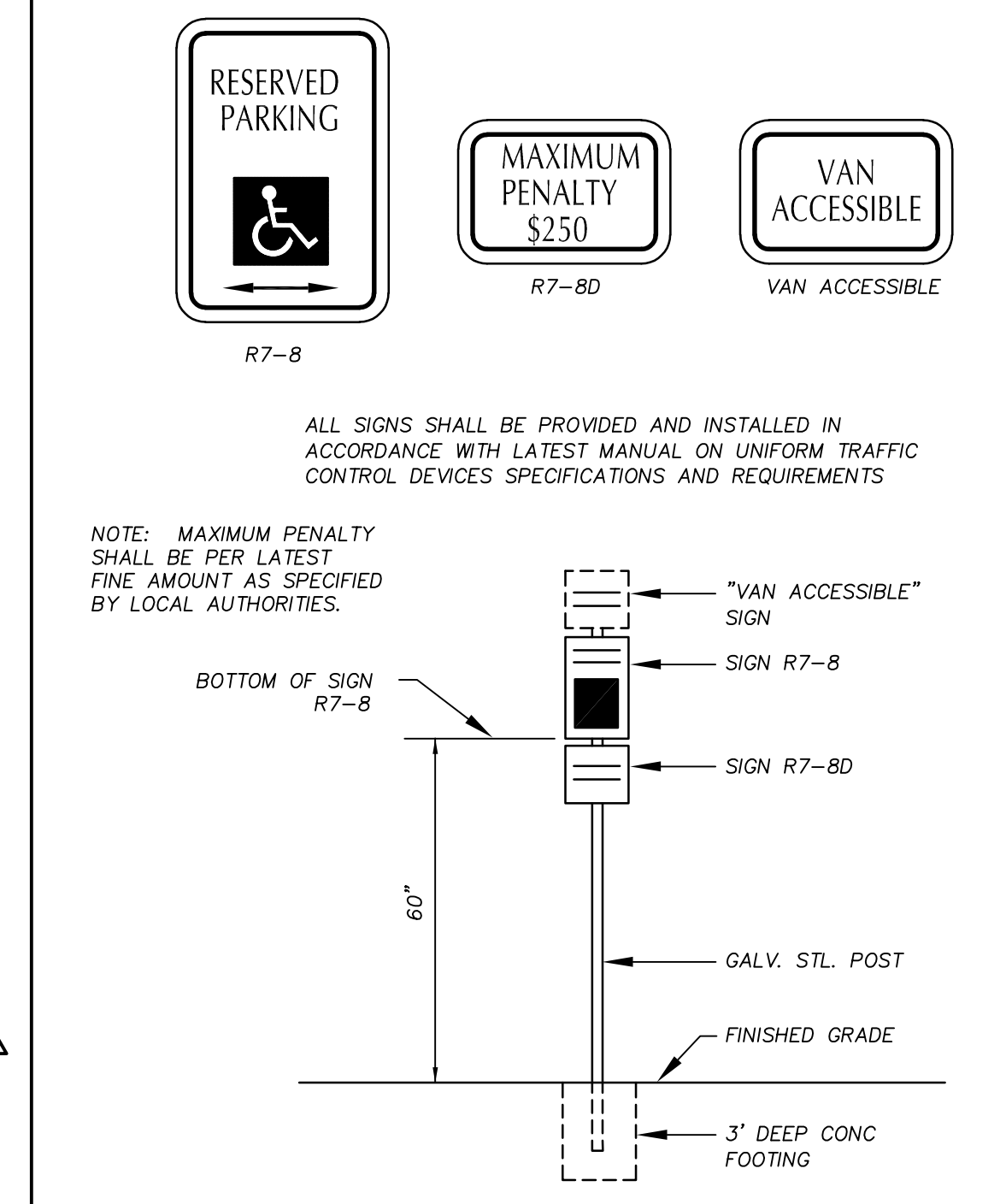
N.T.S.

- SEE SPECIFICATIONS FOR PROOFROLLING, COMPACTION & TESTING REQUIREMENTS.
- DETAIL IS FOR ON-SITE PAVING OPERATIONS ONLY.
- THE CONTRACTOR MAY CHOOSE TO INSTALL INTERMEDIATE COURSES OF PAVEMENT TO STABILIZE THE SITE DURING CONSTRUCTION AT NO ADDITIONAL COST.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ADEQUATE THICKNESS REQUIRED FOR INTERMEDIATE PAVING. INCREASES IN THE DESIGN PAVEMENT SECTION TO FACILITATE INTERMEDIATE PAVING SHALL BE PROVIDED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGES TO SUBGRADE, INSTALLED BASE COURSE AND/OR INTERMEDIATE PAVING PRIOR TO PLACING SUBSEQUENT PAVEMENT LIFTS AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING PAVEMENT DURING ALL PHASES OF WORK. THE FINAL SURFACE OF PAVEMENT SHALL BE FREE OF ALL DEFECTS OR DAMAGE.



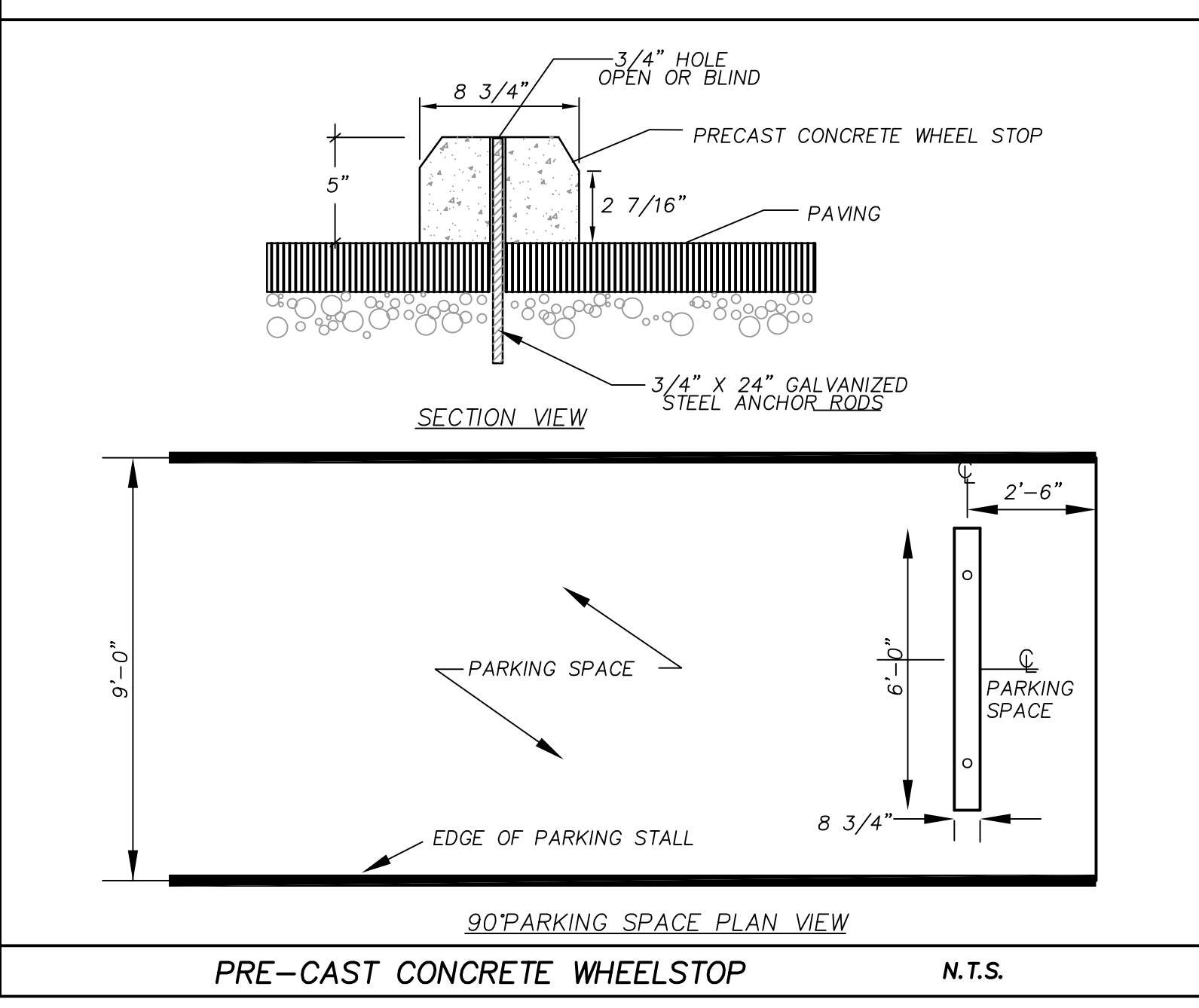
CONCRETE SIDEWALK

N.T.S.



ACCESSIBLE PARKING SIGNAGE

N.T.S.



90° PARKING SPACE PLAN VIEW

PRE-CAST CONCRETE WHEELSTOP

N.T.S.

TEMPORARY SEEDING SCHEDULE (JUNE 1-FEB 28 EROSION CONTROL PHASE)

DATE	TYPE	PLANTING RATE
AUG 15 - APR 15	3-WAY TALL FESCUE BLEND AND WINTER RYE (GRAIN)	125 LBS/ACRE 25 LBS/ACRE
APR 15 - AUG 15	3-WAY TALL FESCUE BLEND AND GERMAN MILLET *** OR SUDANGRASS (SMALL-STEMMED VAR.) ***	120 LBS/ACRE 25 LBS/ACRE 30 LBS/ACRE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENuded AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

*** TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

PERMANENT SEEDING SCHEDULE- BERMUDA SEED

DATE	TYPE	PLANTING RATE
APR 15 - JULY 15 **	HULLED SUNSTAR OR RIVERA BERMUDA	85 LBS/ACRE *
JULY 15 - AUG 15	SUNSTAR OR RIVERA BERMUDA SPRIGS	5 BUSHELS/1,000 SF
AUG 15 - APR 15	TEMPORARY SEEDING APPLIES**	

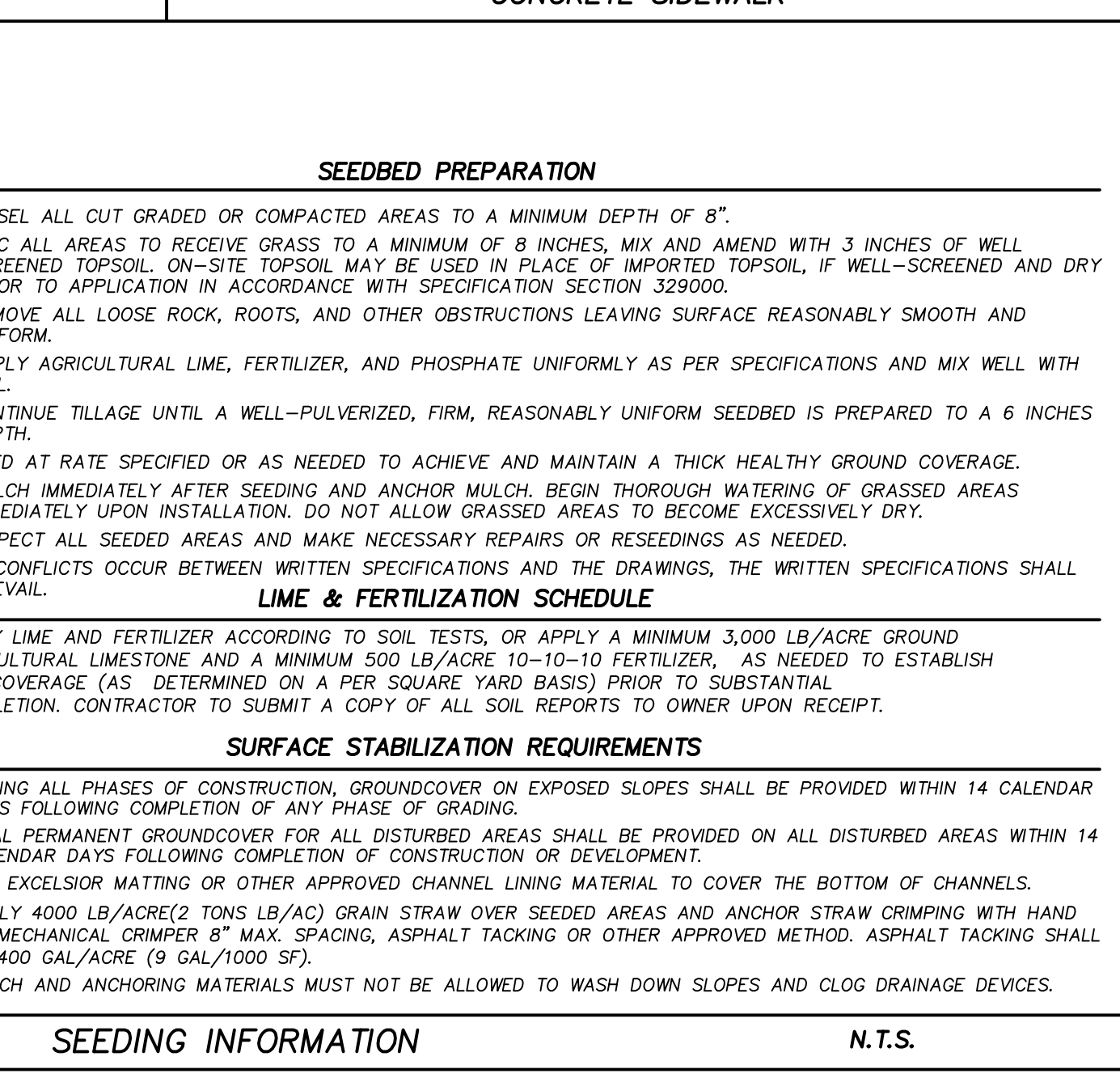
* OR AS REQUIRED TO ACHIEVE 95% COVERAGE AS DETERMINED ON A PER SQUARE YARD BASIS PRIOR TO SUBSTANTIAL COMPLETION.

** WHEN SEEDING MUST TAKE PLACE OUT-OF-SEASON FOR PERMANENT GRASS, APPROPRIATE TEMPORARY SEEDING SHALL BE DONE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENT SEEDING AS SPECIFIED IN SEASON AT NO ADDITIONAL COST TO OWNER.

LAWN MAINTENANCE NOTES:

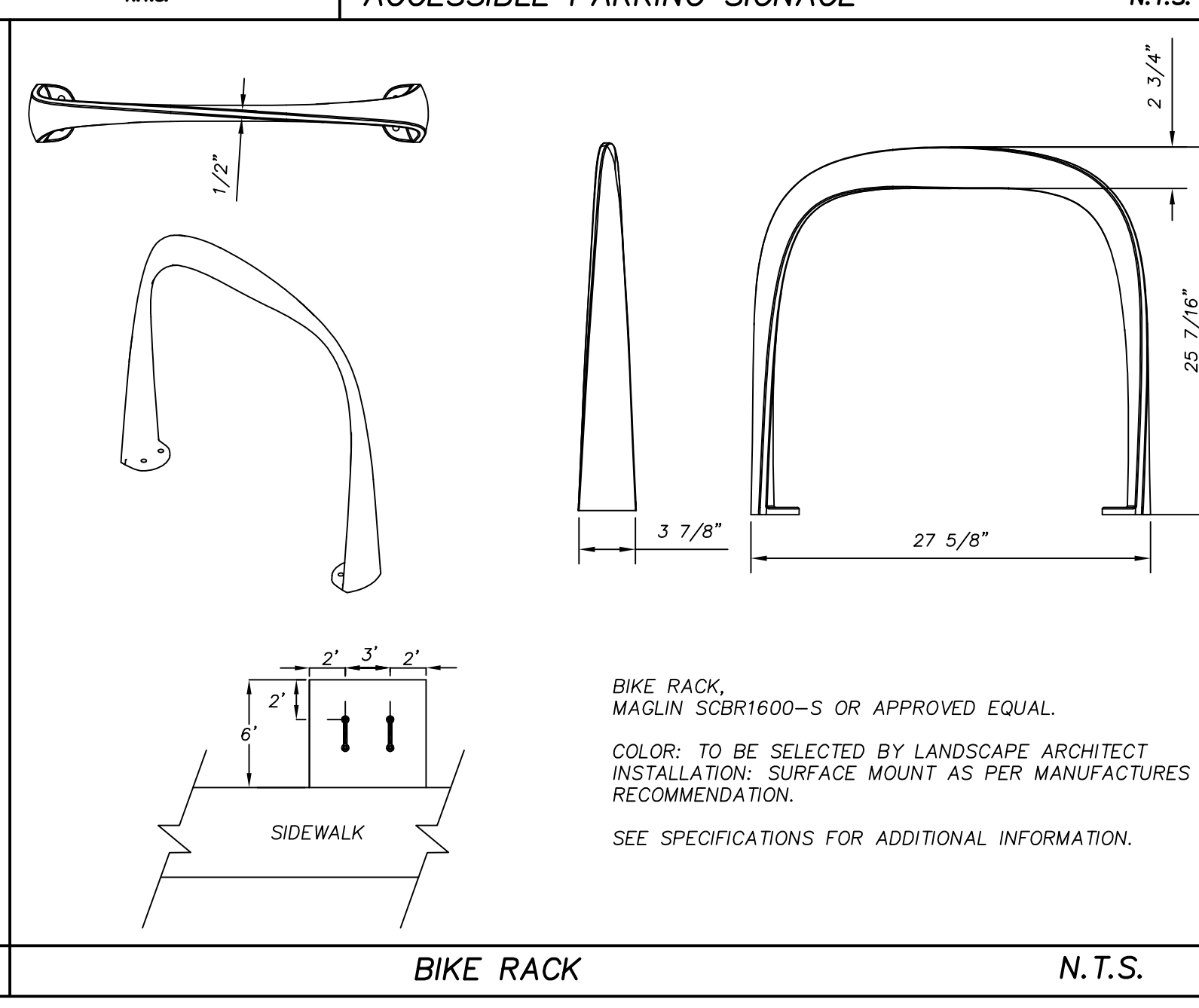
- CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANCE UNTIL FINAL COMPLETION.
- LAWN MUST BE AT 95% COVERAGE AT SUBSTANTIAL COMPLETION REVIEW TO BE ACCEPTED.
- IF NOT AT 95% SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE FOLLOWING GROWING SEASON.

SEEDING SCHEDULES



SEEDING INFORMATION

N.T.S.



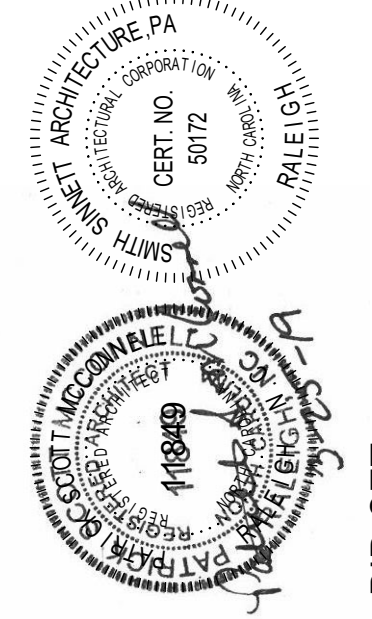
BIKE RACK

N.T.S.

ID	DATE	DESCRIPTION
1	4/10/19	ADDENDUM 1

DRAWN BY: ST, YA
CHECKED BY: ZRP

SITE DETAILS



BID SET

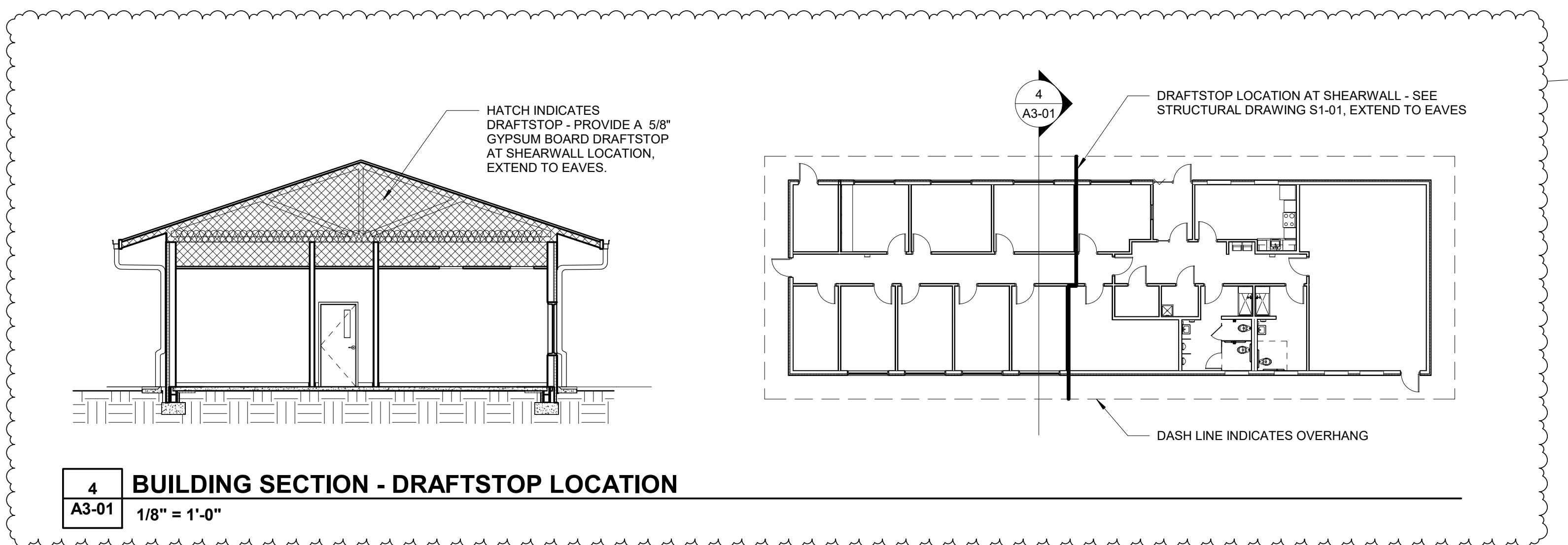
This drawing and the design shown is the property of Smith Sinnett Architecture, P.A. The reproduction or use of this property without the written consent of the architect is prohibited. All copies of this drawing must be returned to the Architect at the completion of the contract.
Smith Sinnett Architecture, P.A. 2018
THIS DRAWING IS FORMATTED TO BE PRINTED ON A 24" X 36" SHEET

NC DEPARTMENT OF TRANSPORTATION
SC0#17-17902-02
DURHAM CO. MAINTENANCE OFFICE BLDG
1041 PRISON CAMP ROAD, DURHAM, NC 27705

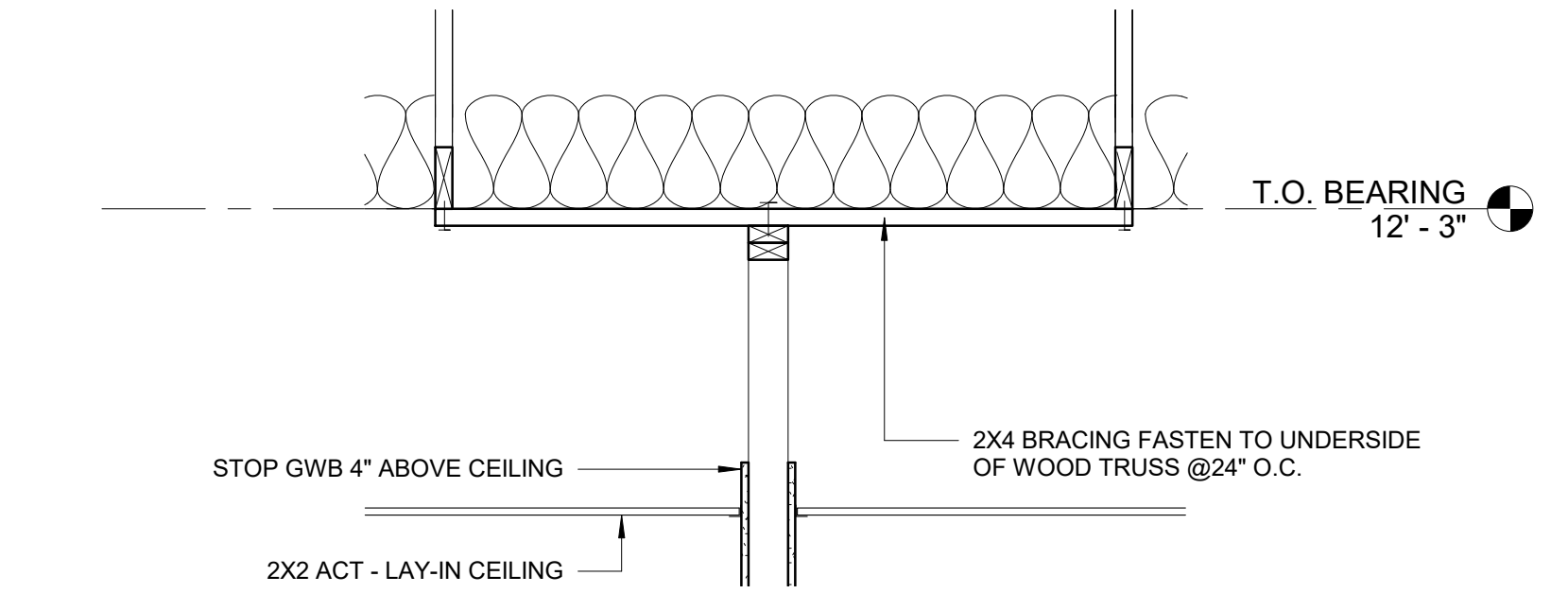
ID	DATE	DESCRIPTION
4.10.19		ADDENDUM 1

DRAWN BY: JL
CHECKED BY: SM

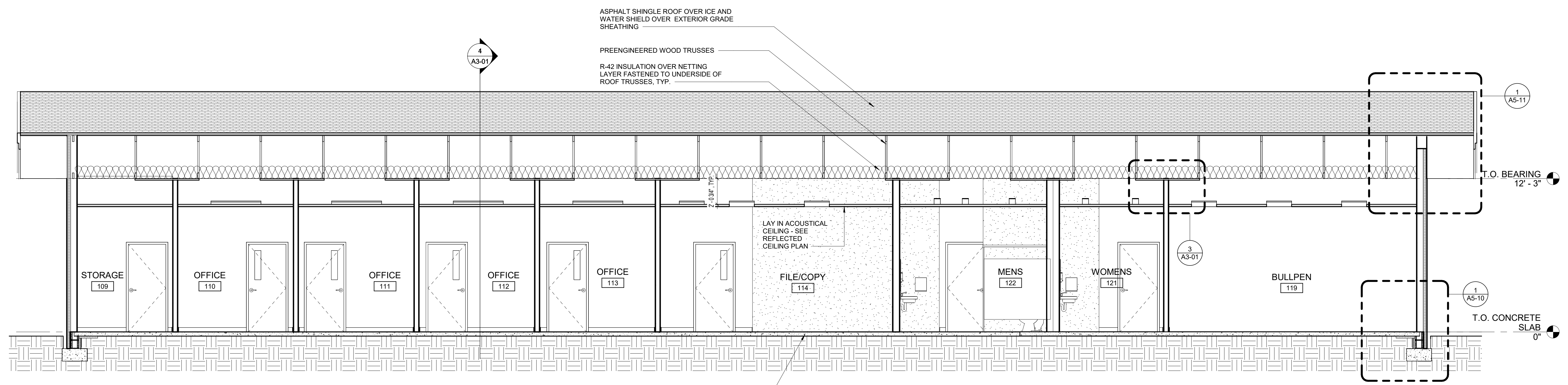
BUILDING SECTIONS



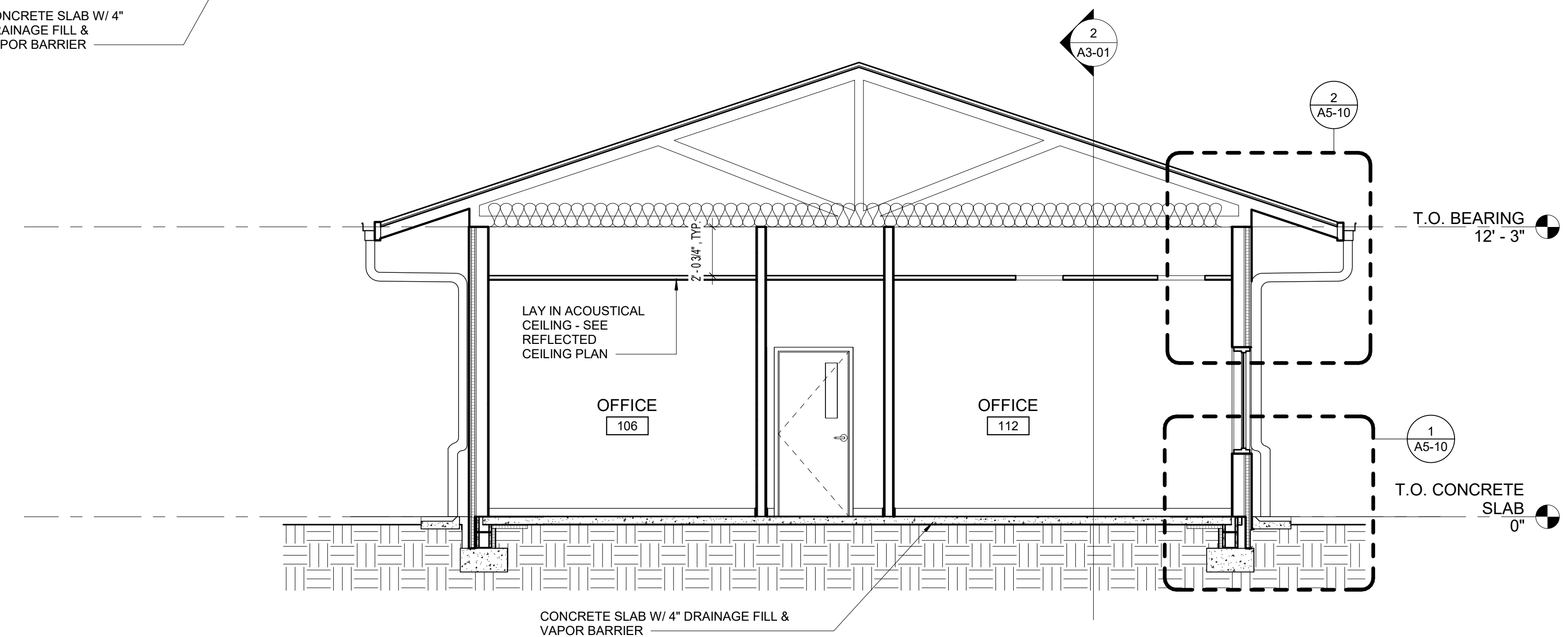
4 BUILDING SECTION - DRAFTSTOP LOCATION
A3-01 1/8" = 1'-0"



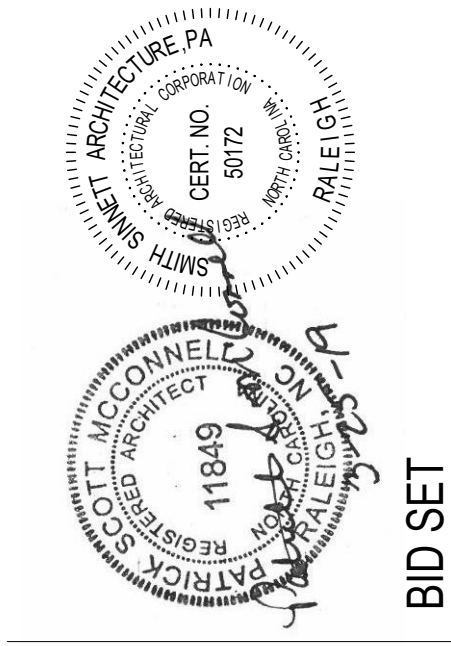
3 TOP OF WALL BRACING DETAIL
A3-01 3/4" = 1'-0"



2 BUILDING SECTION 2
A3-01 1/4" = 1'-0"



1 BUILDING SECTION
A3-01 1/4" = 1'-0"



BID SET

This drawing and the design shown is the property of Smith Sinnett Architecture, P.A. The reproduction or use of this property without the written consent of the architect is prohibited. All copies of this drawing must be returned to the Architect at the completion of the contract.
Smith Sinnett Architecture, P.A. 2018
THIS DRAWING IS FORMATTED TO BE PRINTED ON 1/4" X 24" X 36" SHEET

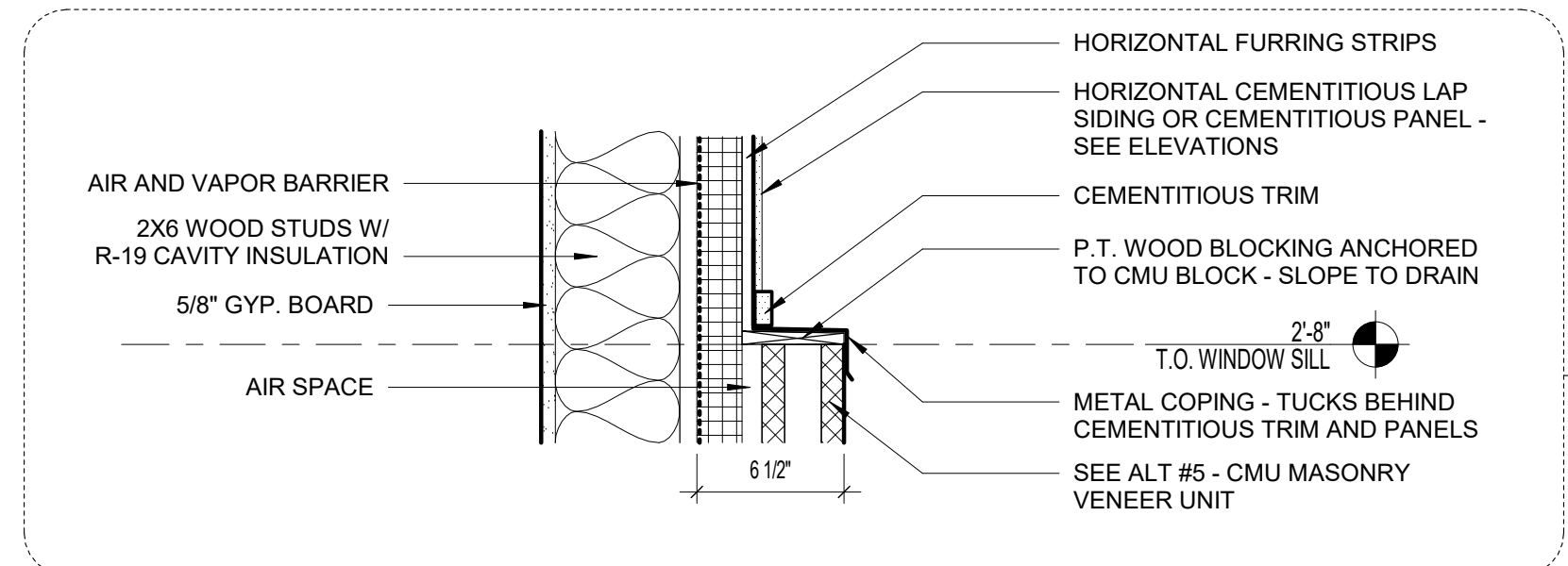
NC DEPARTMENT OF TRANSPORTATION
SC0#17-17902-02
DURHAM CO. MAINTENANCE OFFICE BLDG
1041 PRISON CAMP ROAD, DURHAM, NC 27705

ID	DATE	DESCRIPTION
4.10.19	ADDENDUM 1	

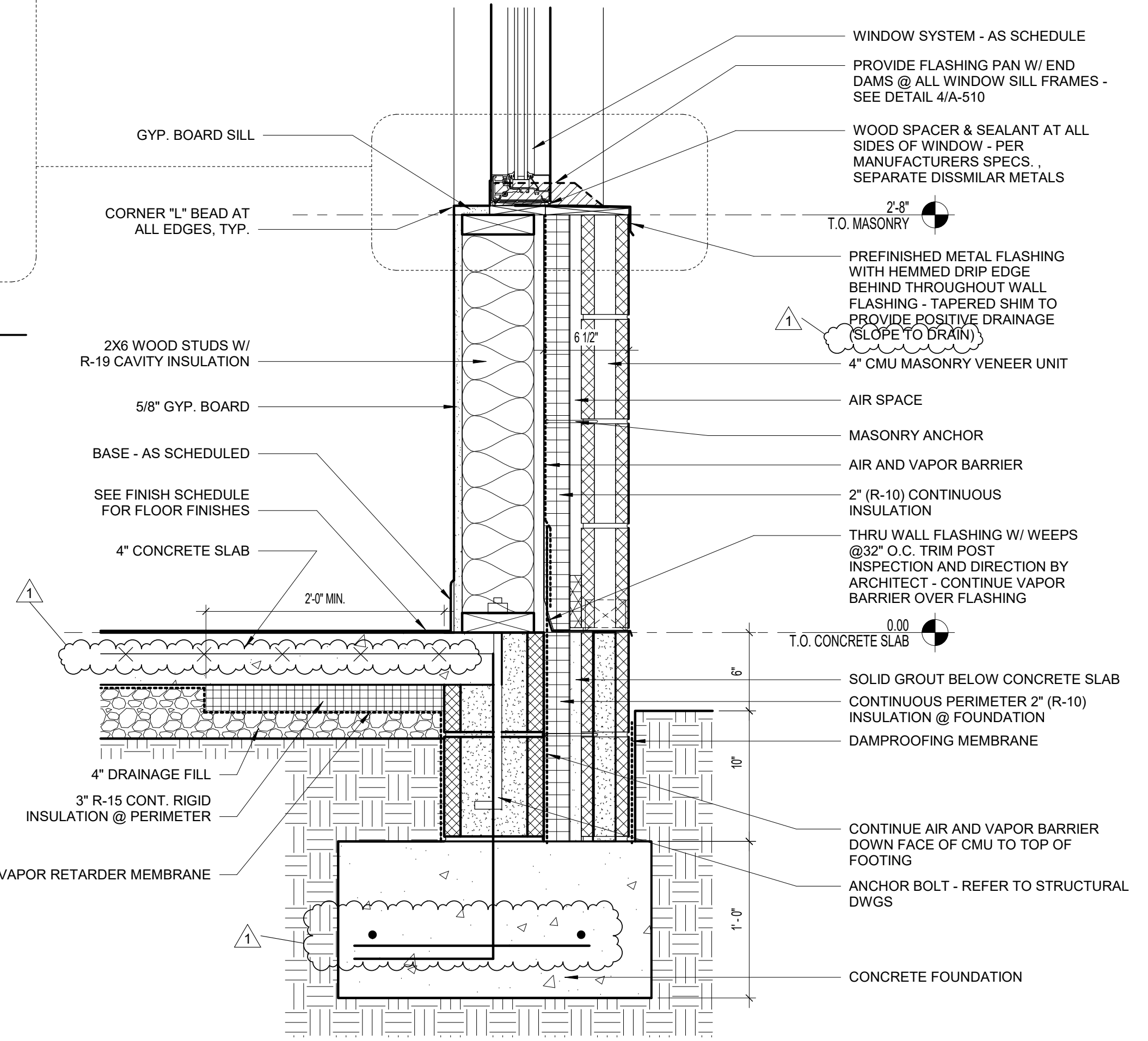
DRAWN BY: JL
CHECKED BY: SM

2018004 - of - 03/25/19

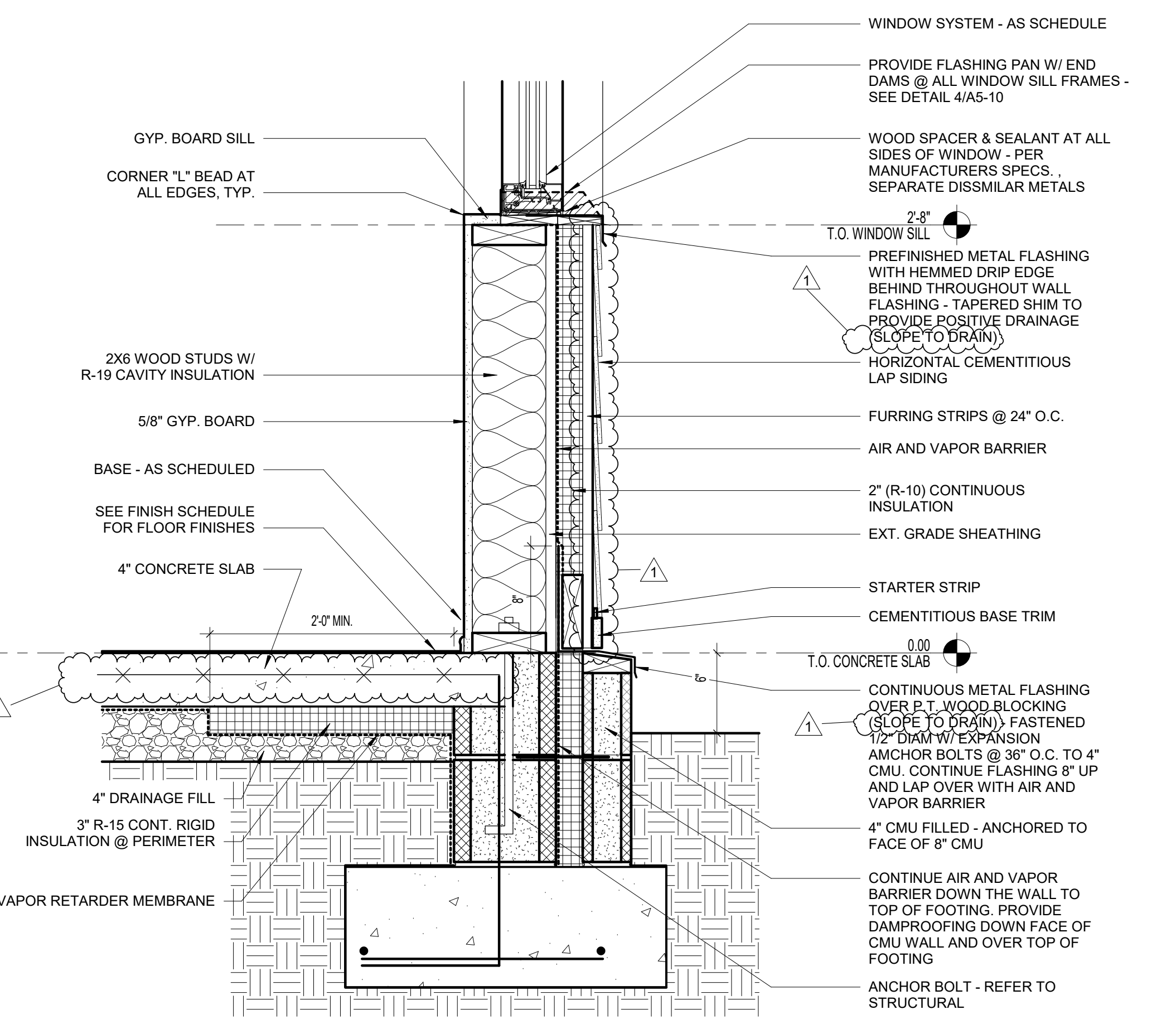
A5-10



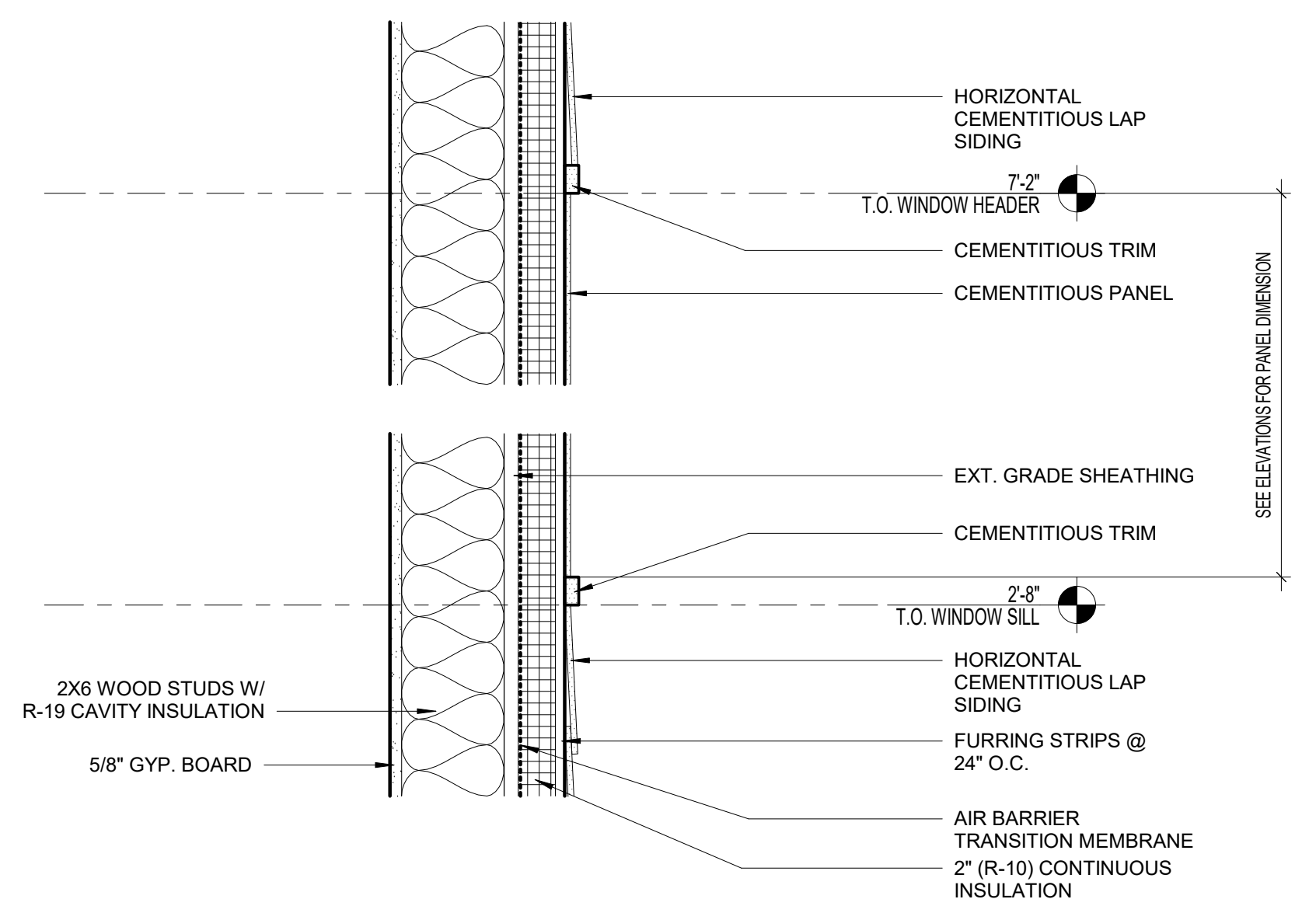
4 FLASHING PAN /W END DAM DIAGRAM
A5-10 1/4" = 1'-0"
** THIS DETAIL IS TYPICAL AT ALL WINDOW OPENINGS



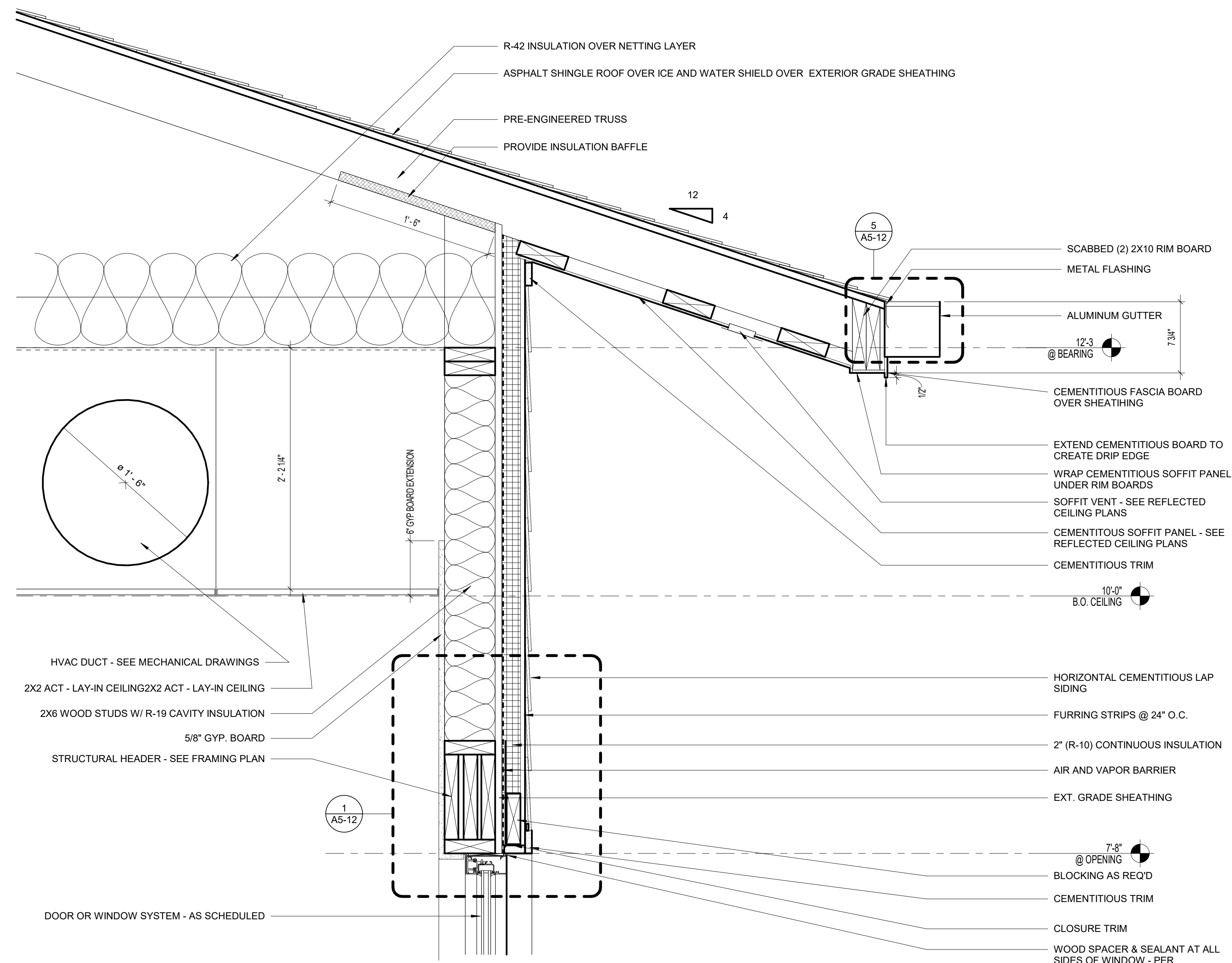
3 SECTION DETAIL ALTERNATE No5 - CMU VENEER
A5-10 1 1/2" = 1'-0"



1 TYPICAL SECTION DETAIL - BASE BID
A5-10 1 1/2" = 1'-0"

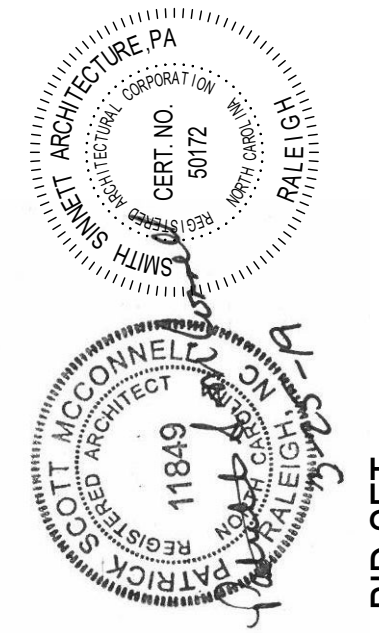


5 CEMENTITIOUS INFILL PANELS
A5-10 1 1/2" = 1'-0"



2 SECTION DETAIL @ EAVE 01
A5-10 1 1/2" = 1'-0"

F:\2018004\2-Drawings\Rev\2018004_Durham_DOT.rvt 4/11/2019 9:48:41 AM



BID SET

This drawing and the design shown is the property of Smith Sinnett Architecture, P.A. The reproduction or use of this property without the written consent of the architect is prohibited. All copies of this drawing must be returned to the Architect at the completion of the contract.
Smith Sinnett Architecture, P.A. 2018
THIS DRAWING IS FORMATTED TO BE PRINTED ON A 24" X 36" SHEET

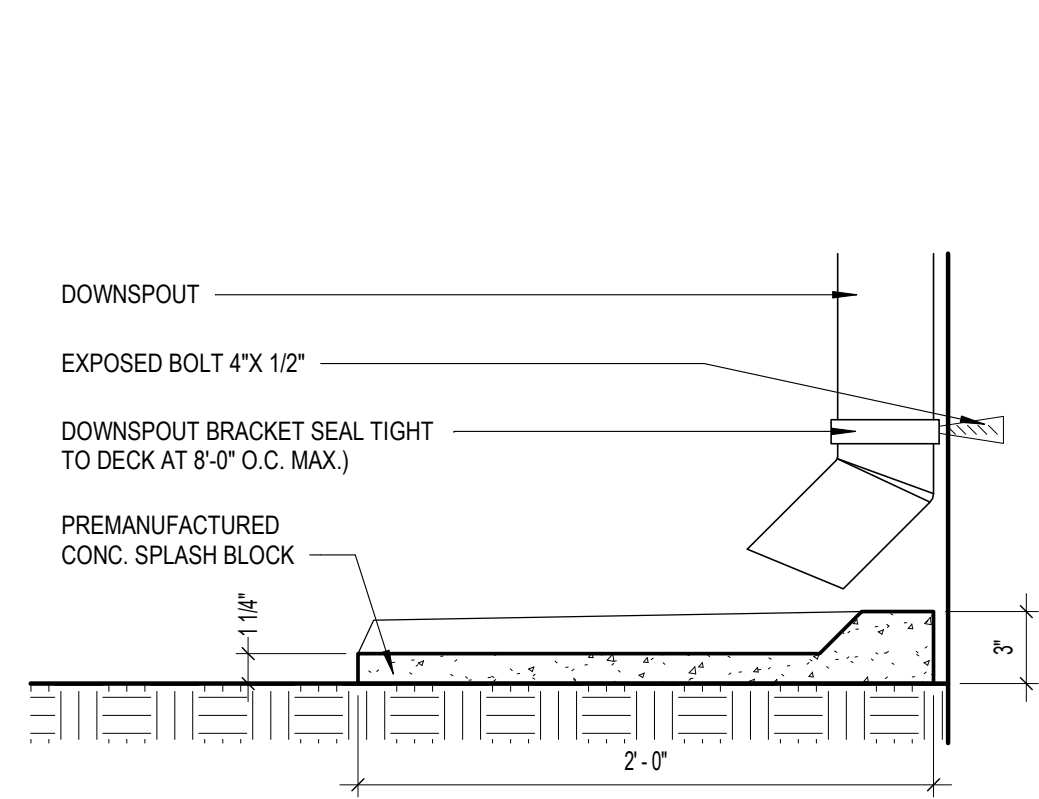
NC DEPARTMENT OF TRANSPORTATION
SC0#17-17902-02

DURHAM CO. MAINTENANCE OFFICE BLDG
1041 PRISON CAMP ROAD, DURHAM, NC 27705

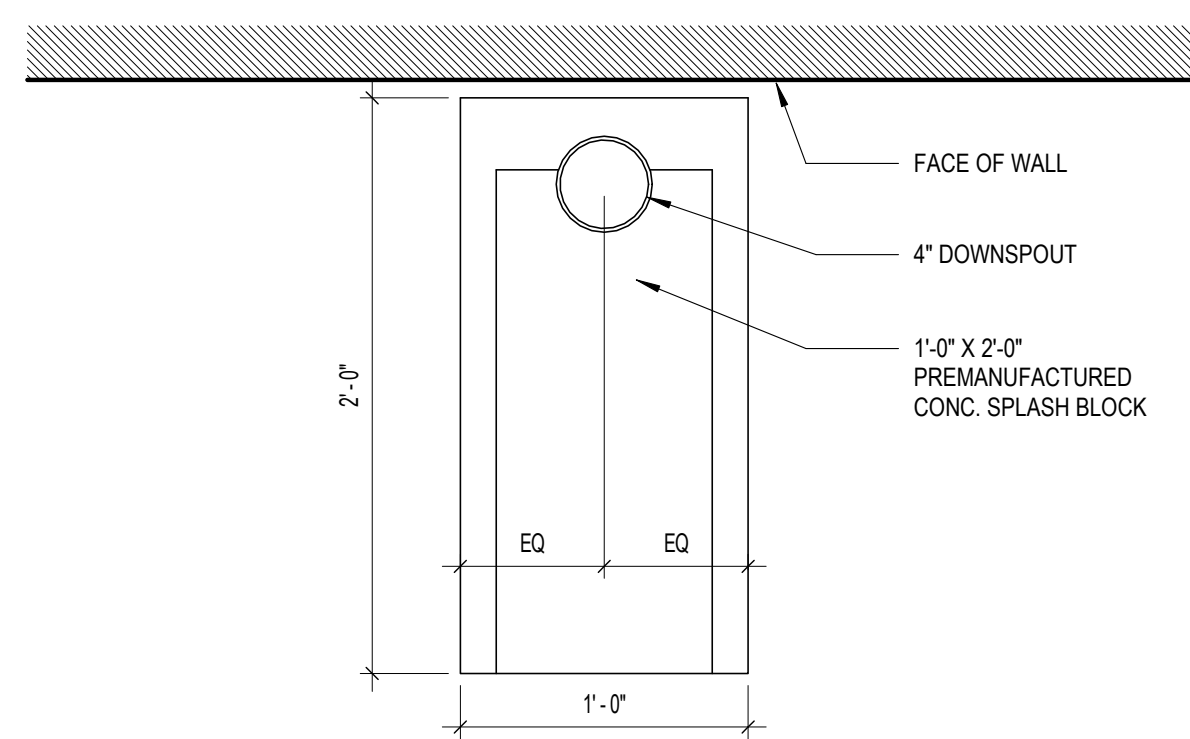
ID	DATE	DESCRIPTION
4.10.19		ADDENDUM 1

DRAWN BY: JL
CHECKED BY: SM

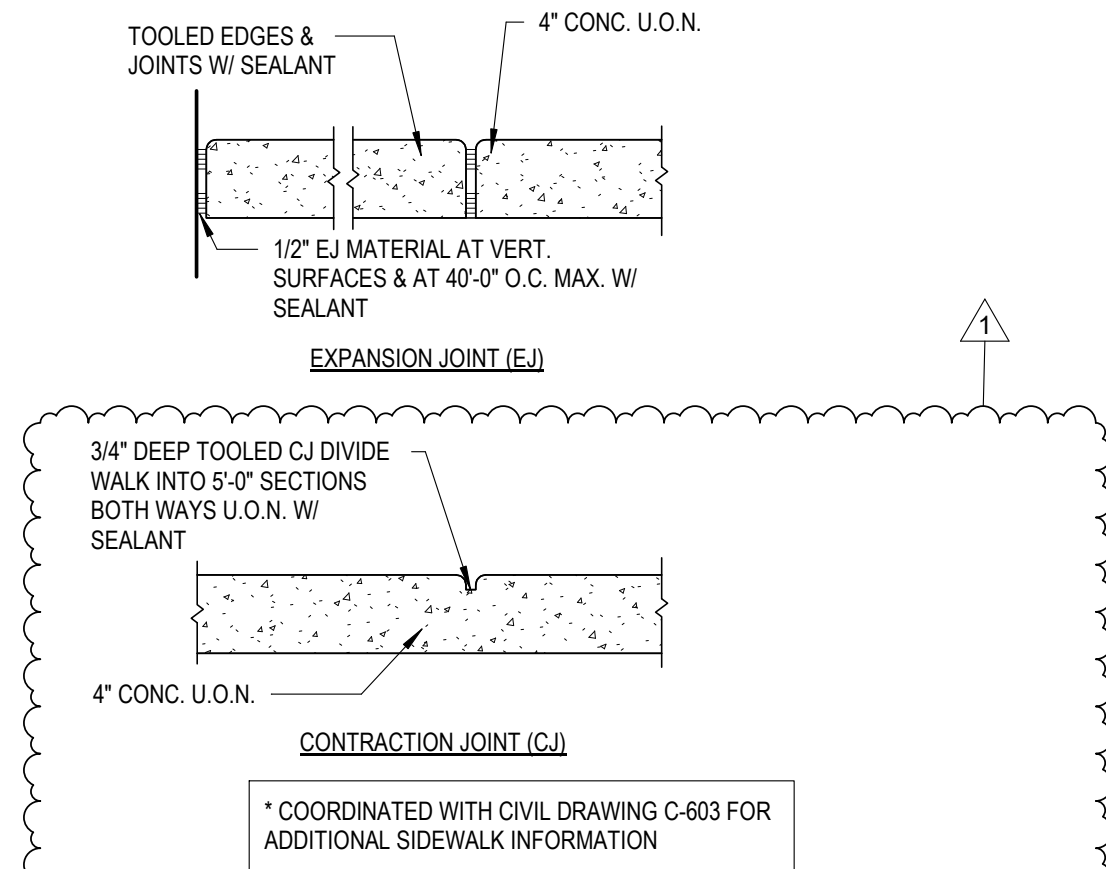
DETAILS



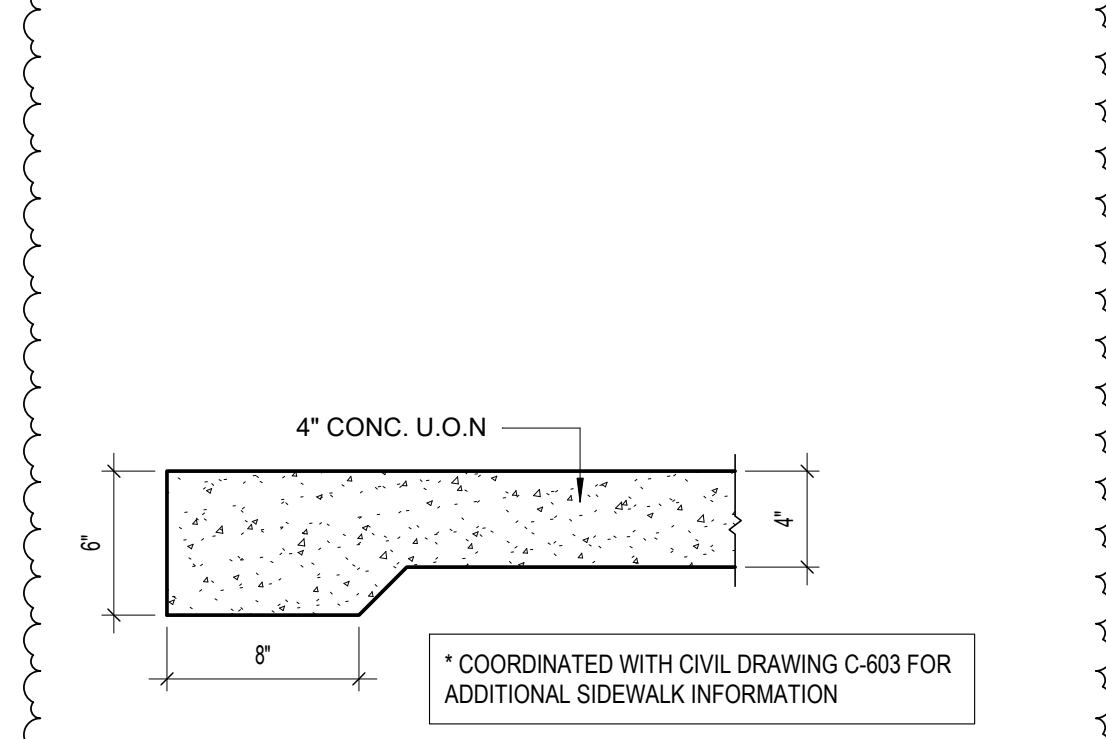
10 SPLASH BLOCK DETAIL
A5-11 1 1/2" = 1'-0"



8 SPLASH BLOCK PLAN DETAIL
A5-11 1 1/2" = 1'-0"

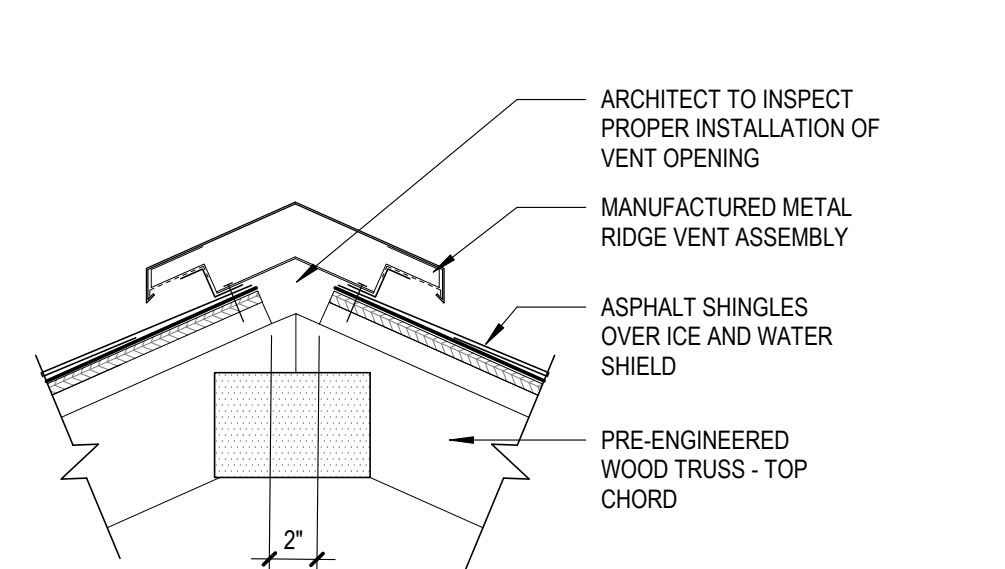


9 SIDEWALK JOINT DETAILS
A5-11 1 1/2" = 1'-0"

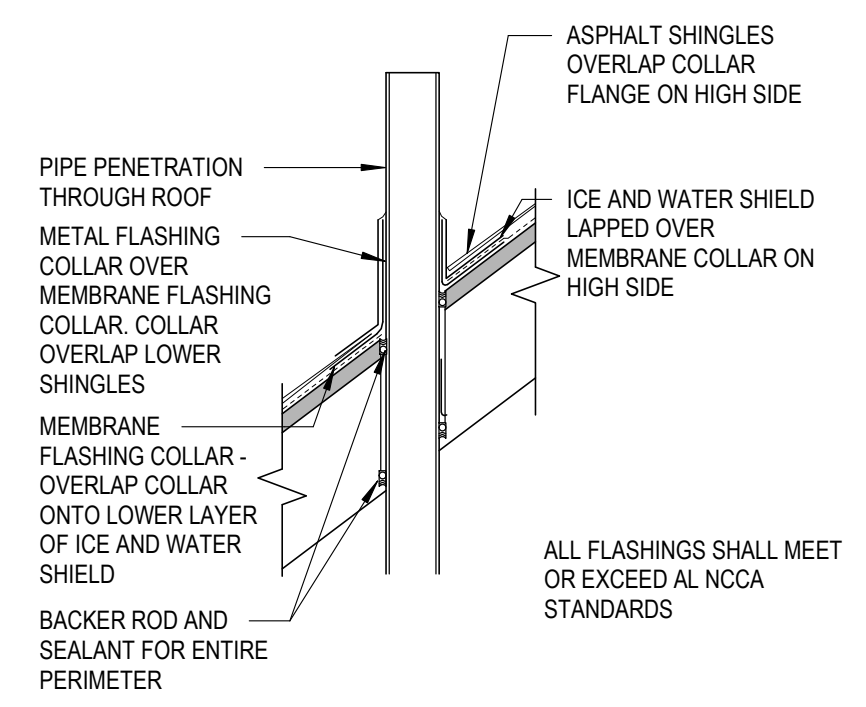


6 TYPICAL CONC. SIDEWALK SLAB
A5-11 1 1/2" = 1'-0"

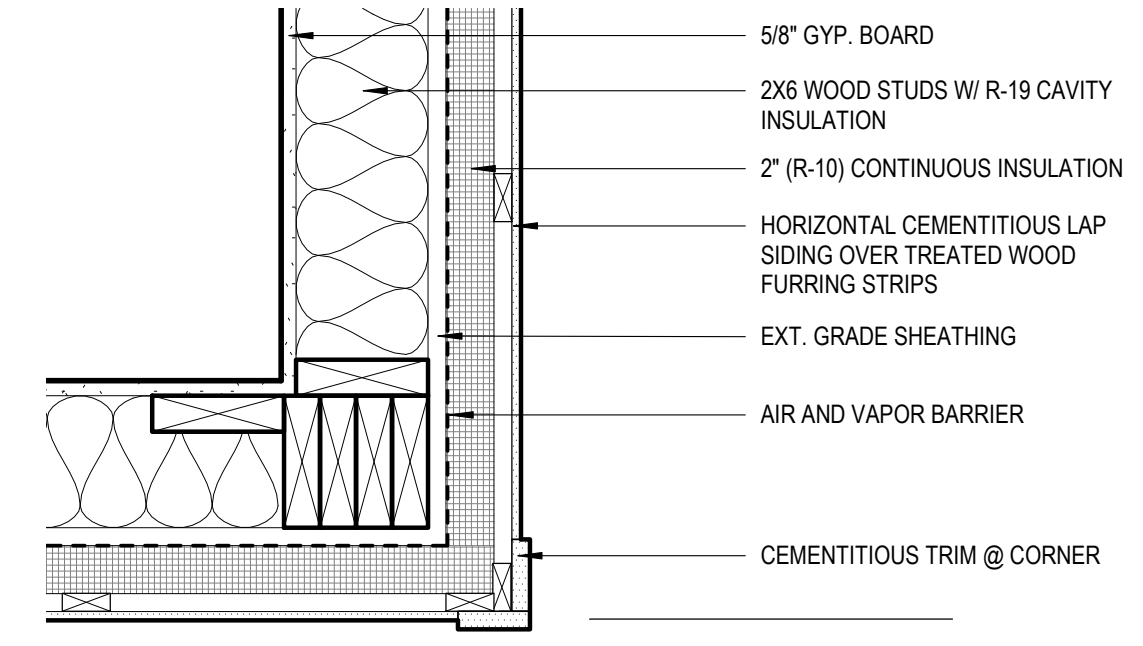
5 SECTION DETAIL @ RIDGE VENT
A5-11 1 1/2" = 1'-0"



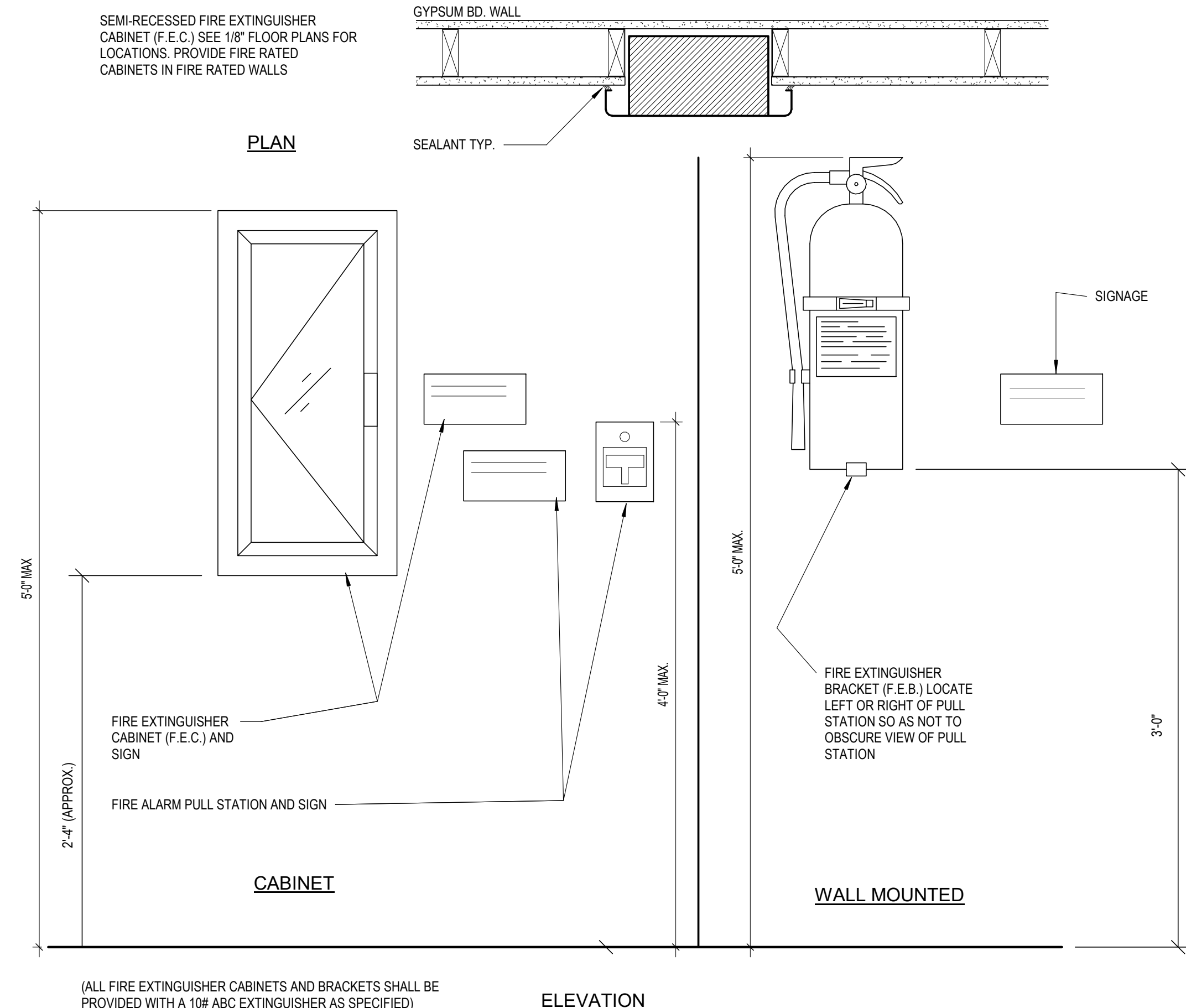
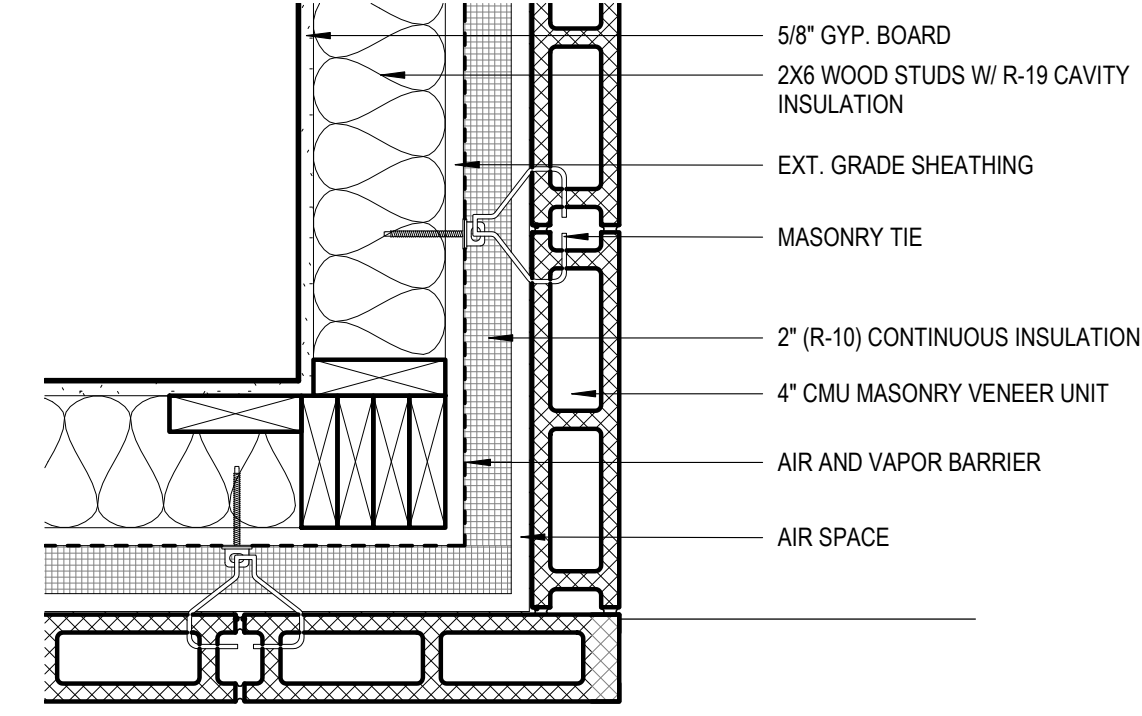
4 SECTION DETAIL @ PIPE PENETRATION
A5-11 1 1/2" = 1'-0"



3 ENLARGED PLAN DETAIL @ CORNER (HIGH)
A5-11 1 1/2" = 1'-0"

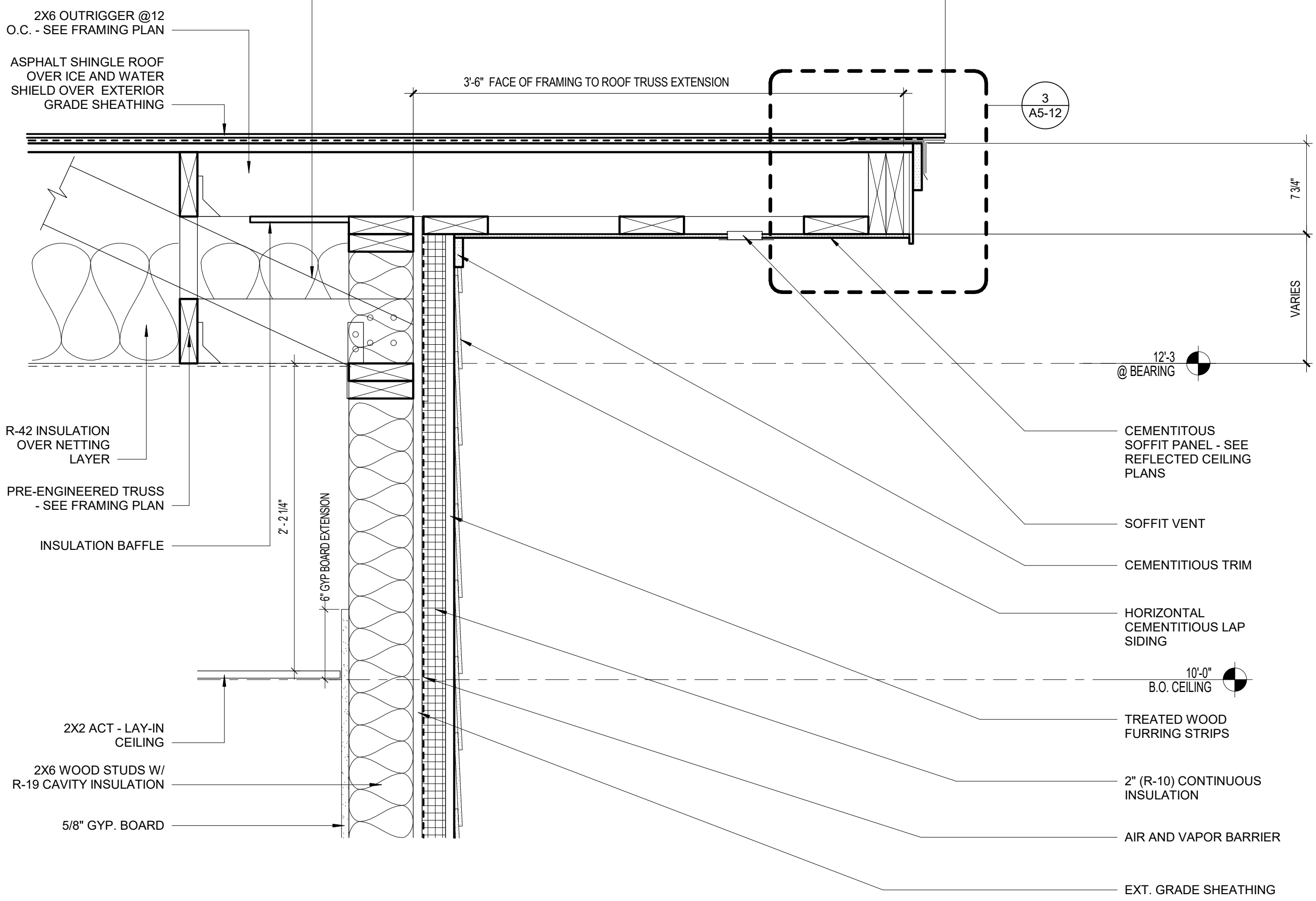


2 ALTERNATE No 5- ENLARGED PLAN DETAIL @ CORNER (LOW)
A5-11 1 1/2" = 1'-0"



7 FIRE CABINET DETAIL
A5-11 1 1/2" = 1'-0"

2X6 DIAGONAL BRACING FRAME @ 24" O.C. AT TOP OF WALL. PROVIDE HANGER TO TOP CHORD OF ADJACENT TRUSS. PROVIDE H2.5 HURRICANE CLIP TO DOUBLE TOP PLATE.



1 SECTION DETAIL @ GABLE EAVE
A5-11 1 1/2" = 1'-0"