

HISTORIC HOLLY BEND

CONSTRUCTION DOCUMENTS
NOVEMBER 4, 2016

HOLLY BEND HOUSE AND RESTROOM / WARMING PANTRY

SET NUMBER _____

3701 NECK ROAD
HUNTERSVILLE, NORTH CAROLINA

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BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS**
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: The Historic Holly Bend House
 Address: 3701 Neck Road, Huntersville, North Carolina Zip Code 28078
 Proposed Use: Historic Registry Structure for Exhibit, Community, and Lecture
 Owner/Authorized Agent: Mecklenburg County Phone # 980.314.2524 E-Mail: Peter.Wasmer@MecklenburgCountyNC.gov
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County Mecklenburg State

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Edwin Bouldin Architect PA	Ed Bouldin	2293	336.725.5386	ed@edwin-bouldin.com
Civil	Carl DeGuzis, PA	Keith Boudreau	12283	336.260.5542	mb@carldeguzispa.com
Electrical	McKnight Smith Ward Griffin	Mark Armstrong		704.527.2112	marmstrong@mswg.com
Fire Alarm	McKnight Smith Ward Griffin	Mark Armstrong		704.527.2112	marmstrong@mswg.com
Plumbing	McKnight Smith Ward Griffin	Chris Champion		704.527.2112	ochampion@mswg.com
Mechanical	McKnight Smith Ward Griffin	Chris Champion		704.527.2112	ochampion@mswg.com
Sprinkler Standpipe	SKA Consulting Engineers, Inc.	Chuck Cardwell	15765	704.424.5663	ccardwell@skaeing.com
Structural	Jordan Consultants ASLA	Eric Jordan			erjordan@belsouth.net
Retaining Walls >5' High					
Other					

2012 EDITION OF NC CODE FOR: New Construction Addition Upfit
 Reconstruction Alteration Repair Renovation
 EXISTING: (date) 1799 ORIGINAL USE(S) (Ch. 3): Residence / Plantation
 RENOVATED: (date) 1980 CURRENT USE(S) (Ch. 3): Residence
 PROPOSED USE(S) (Ch. 3): Historic Registry Structure for Exhibit, Community and Lecture

BASIC BUILDING DATA
 Construction Type: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Standpipes: No Yes Class I II III Wet Dry
 Fire District: No Yes (Primary)
 Flood Hazard Area: No Yes
 Building Height: (feet) 42'-2"
 Gross Building Area:

FLOOR	EXISTING (SQ FT) BEFORE DEMO	EXISTING (SQ FT) AFTER DEMO	NEW (SQ FT)	SUB-TOTAL
6 th Floor				
5 th Floor				
4 th Floor				
Attic	751	751	0	751
2 nd Floor	1190	1190	0	1190
Mezzanine				
1 st Floor	2036	1,780	296	2076
Basement	557	557	0	557
TOTAL	4,534	4,278	296	4,574

Appendix B

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial _____
 Panic Hardware: No Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: A100
 Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations
 Exterior wall opening area with respect to distance to assumed property lines (705.8)
 Existing structures within 30' of the proposed building
 Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
 Occupant loads for each area
 Exit access travel distances (1016)
 Common path of travel distances (1014.3 & 1028.8)
 Dead end lengths (1018.4)
 Clear exit widths for each exit door
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated flooring/ceiling and/or roof structure is provided for purposes of occupancy separation
 Location of doors with panic hardware (1008.1.10)
 Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
 Location of doors with electromagnetic egress locks (1008.1.9.8)
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1029)
 The square footage of each fire area (902)
 The square footage of each smoke compartment (407.4)
 Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

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

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING AREA	# OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	B ACCESS AISLE	
Main Parking	27	0	0	0	0	2
Overflow Parking	0	8	0	0	0	0
TOTAL	35	0	0	0	0	2

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ALLOWABLE AREA

Occupancy: A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 I-2 I-3 I-4
 I-3 Condition 1 2 3 4 5
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous

Accessory Occupancies:

Assembly A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 I-2 I-3 I-4
 I-3 Condition 1 2 3 4 5
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous

Incidental Uses (Table 508.2.5):

Furnace room where any piece of equipment is over 400,000 Btu per hour input
 Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
 Refrigerant machine room
 Hydrogen cutoff rooms, not classified as Group H
 Incinerator rooms
 Paint shops, not classified as Group H, located in occupancies other than Group F
 Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
 Laundry rooms over 100 square feet
 Group I-3 cells equipped with padded surfaces
 Group I-2 waste and linen collection rooms
 Waste and linen collection rooms over 100 square feet
 Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
 Rooms containing fire pumps
 Group I-2 storage rooms over 100 square feet
 Group I-2 commercial kitchens
 Group I-2 laundries equal to or less than 100 square feet
 Group I-2 rooms or spaces that contain fuel-fired heating equipment

Appendix B

STRUCTURAL DESIGN

DESIGN LOADS:
Importance Factors: Wind (Iw) _____
 Snow (Is) _____
 Seismic (Ie) _____
Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
 Exposure Category _____
 Wind Base Shears (for MWFRS) Vx = _____ Vy = _____

SEISMIC DESIGN CATEGORY:

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) I II III IV
Spectral Response Acceleration Ss _____ %g S1 _____ %g
Site Classification (Table 1613.5.2) A B C D E F
 Data Source: Field Test Presumptive Historical Data

Basic structural system (check one)

Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum
Seismic base shear: Vx = 2.8 KIPS Vy = 2.8 KIPS
Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL:

Earthquake Wind
SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing capacity _____ psf
 File size, type, and capacity _____

SPECIAL INSPECTIONS REQUIRED:

Yes No
PLUMBING FIXTURE REQUIREMENTS
 (TABLE 2902.1)

SPACE	EXISTING	WATER CLOSETS		URINALS		LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		REGULAR	ACCESSIBLE
		0	0	0	0	0	0	0	0	0
	NEW	1	3	2	2	2	2	0	1	1
	REQUIRED	1	2	0	1	1	0	0	1	1

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Charlotte-Mecklenburg Historic Landmarks Commission

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Special Uses:

402 403 404 405 406 407 408 409 410
 411 412 413 414 415 416 417 418 419 420
 421 422 423 424 425 426 427

Special Provisions:

509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9

Mixed Occupancy:

No Yes
 Separation: _____ Hour(s)
 Exception: _____

Incidental Use Separation (508.2.5)
 This separation is not exempt as a Non-Separated Use (see exceptions).

Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Use (508.4) - See below for area calculations

For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.00$$

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
Basement	A3/Not Assessable	557	15,000				
First (Main)	A3	1780	15,000				
First (Addition)	A3	296	6,000				
Second	A3/Not Assessable	1190	15,000				
Attic	A3/Not Assessable	751	15,000				

- Frontage area increases from Section 506.2 are computed thus:
 - Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 - Total Building Perimeter = _____ (P)
 - Ratio (F/P) = _____ (F/P)
 - W = Minimum width of public way = _____ (W)
 - Percent of frontage increase $I_f = 100 [(F/P - 0.25) \times W/30] = \text{_____} (\%)$
- The sprinkler increase per Section 506.3 is as follows:
 - Multi-story building $I_s = 200$ percent
 - Single story building $I_s = 300$ percent
- Unlimited area applicable under conditions of Section 507.
- Maximum Building Area = total number of stories in the building x E (506.4).
- The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT

Type of Construction	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet	Type: IV and VB (15,000 square feet/3 stories/65' Building Height)	Feet = H + 20 = NA	Type: IV and VB	
Building Height in Stories		Stories + 1 = NA	3 Stories	

Appendix B

ENERGY SUMMARY

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.
Climate Zone: 3 4 5
Method of Compliance:
 Prescriptive (Energy Code)
 Performance (Energy Code)
 Prescriptive (ASHRAE 90.1)
 Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Skylights in each assembly: _____
 U-Value of skylight: _____
 Total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Openings (windows or doors with glazing)
 U-Value of assembly: _____
 Solar heat gain coefficient: _____
 Projection factor: _____
 Door R-Values: _____
Walls below grade (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
Floors over unconditioned space (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
Floors slab on grade
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/vertical requirement: _____
 Slab heated: _____

Appendix B

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQUIRED	PROVIDED (w/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	X ≥ 30	HT					
Bearing Walls	X ≥ 30	2					
Exterior							
North							
East							
West							
South							
Interior	X ≥ 30	1HT					
Nonbearing Walls and Partitions							
Exterior walls	X ≥ 30	0					
North	X ≥ 30	0					
East	X ≥ 30	0					
West	X ≥ 30	0					
South	X ≥ 30	0					
Interior walls and partitions	X ≥ 30	1					
Floor Construction	X ≥ 30	HT					
Including supporting beams and joists							
Roof Construction	X ≥ 30	HT					
Including supporting beams and joists							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

*Indicate section number permitting reduction

Appendix B

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
 winter dry bulb: _____
 summer dry bulb: _____
Interior design conditions
 winter dry bulb: _____
 summer dry bulb: _____
 relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
 Unitary
 description of unit: _____
 heating efficiency: _____
 cooling efficiency: _____
 size category of unit: _____
 Boiler
 Size category. If oversized, state reason: _____
 Chiller
 Size category. If oversized, state reason: _____
List equipment efficiencies: _____

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT
Method of Compliance:
 Energy Code: Prescriptive Performance
 ASHRAE 90.1: Prescriptive Performance
Lighting schedule (each fixture type)
 lamp type required in fixture _____
 number of lamps in fixture _____
 ballast type used in the fixture _____
 number of ballasts in fixture _____
 total wattage per fixture _____
 total interior wattage specified vs. allowed (whole building or space by space) _____
 total exterior wattage specified vs. allowed _____
Additional Prescriptive Compliance
 506.2.1 More Efficient Mechanical Equipment
 506.2.2 Reduced Lighting Power Density

**BUILDING CODE ANALYSIS
PRELIMINARY REVIEW**

Name of Project: **The Historic Holly Bend House**
 Address: **3701 Neck Road, Huntersville, North Carolina** Zip Code **28078**
 Proposed Use: **Historic Registry Structure for Exhibit, Community, and Lecture**
 Owner/Authorized Agent: **Mecklenburg County** Phone # **980.314.2524** E-Mail: **Peter.Wasmer@MecklenburgCountyNC.gov**
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County **Mecklenburg** State

PROJECT SUMMARY:
 Building Description:
Holly Bend House was built sometime between 1795 and the early 1800's by Robert Davidson, the oldest son of Major John Davidson. The Federal style house is two-story with two end Flemish-bond chimneys. The Federal ornamentation of the living room with a dominating overmantle and interior trim makes the house unique and as the nomination form to the National Register of Historic Places in December, 1971, indicates, "The significance of Holly Bend lies not in its exterior appearance, but in the treatment of the interior. Equally elaborate interior finish may be found in a number of elegant houses built in North Carolina during the Federal period, but the use of such lavish interior trim in an outwardly unexceptional house, together with the exuberantly vernacular handling of forms, makes Holly Bend unique. Although the Adamesque elements are certainly derivative, the lively creativity of the carpenter-interpreter transformed the standard compositions into a purely local expression of Federal Neo-Classicism."

Scope of work details: (If phased construction, please see plan submittal guidelines.)
The Historic Holly Bend House is now owned by the Charlotte Mecklenburg Parks and Recreation Department and located in the Huntersville area within a nature preserve. The project will turn the building from a residence into a conference center. The scope of work involves the following:

1. Preservation and restoration of the original housing block by removing and relocating a 1800s addition and the demolition of a 1900s addition.
 2. The new construction of a detached restroom facility with catering kitchen and new parking lot.
 3. The new construction of a linkage/new entry that will connect the original housing block with the relocated 1800s addition, providing the public with an ADA accessible entrance.
- The 1799 house is two (2) stories with an additional Basement and Attic (neither the basement nor the Attic will be accessible to the public). The Gross Building Area (including the Linkage/New Entry) is 4,574 square feet. The Occupant Load (including the second floor) is 244.43.**

Code Compliance Summary:

Alternative Means of Compliance Request:

LEAD DESIGN PROFESSIONAL: Edwin Bouldin Architect PA

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Edwin Bouldin Architect PA	Ed Bouldin	2203	336.724.5386	ed@edwin-bouldin.com
Civil	Ortiz/Designs, PA	Keith Broderick	12283	336.262.5542	keith@brockdesigns.com
Electrical	McKnight Smith Ward Griffin	Mark Arrington	704.527.2112	704.527.2112	marrington@mswaga.com
Fire Alarm	McKnight Smith Ward Griffin	Mark Arrington	704.527.2112	704.527.2112	marrington@mswaga.com
Plumbing	McKnight Smith Ward Griffin	Craig Champion	704.527.2112	704.527.2112	ochampion@mswaga.com
Mechanical	McKnight Smith Ward Griffin	Craig Champion	704.527.2112	704.527.2112	ochampion@mswaga.com
Sprinkler Standpipe	SKA Consulting Engineers, Inc.	Chuck Cardwell	15765	704.424.9663	ccardwell@skajeng.com
Structural	Jordan Consultants ASLA	Eric Jordan			ejordan@bellsouth.net
Retaining Walls >5' High					
Other					

BUILDING CODE: 2012 North Carolina State Building Code (NCSBC)
 2012 NC Rehab Code 2009 Chapter 34 (attach summary)
 1995 Existing Building Code Vol. 9 **2015 Existing Building Code**

NEW BUILDING: New Building Shell Building
 First Time Interior Completion (Upfit) Change of Use/Occupancy
 Building/Tenant Space Interior Completion (Renovation)

EXISTING BUILDING: Addition Shell Building

Please see 3411 NCSBC for compliance for accessibility for existing buildings. A letter from the designer is required to be attached or reproduced on the plans to verify how compliance will be achieved

Year of Construction **1799** Original Occupancy **Residence / Plantation**

2012 NC REHAB CODE Information:
 Check all that Apply: Repair Renovation Alteration V-A
 Reconstruction Change of Use Addition V-B

Last Known Legal Occupancy _____ Historic Property: Yes No
 Original Building Construction Date: _____ Date of Preliminary Meeting: _____
 Justifications for using the REHAB Code: _____

Reviewers Notes for Field Inspector:

BASIC BUILDING DATA
Construction Type: (check all that apply)
 I-A II-A III-A IV V-A
 I-B II-B III-B V-B

Mixed Construction No Yes Types _____
 Yes No Partial NFPA 13 NFPA 13R NFPA 13D
 Standpipes: Yes No Class I II III Wet Dry
 Fire District: Yes No
 Flood Hazard Area: Yes No
 Building Height: (feet) **37'-0"** Number of Stories **2** High Rise
 Mezzanine: Yes No

Gross Building Area:

FLOOR	EXISTING (SQ FT) BEFORE DEMO	EXISTING (SQ FT) AFTER DEMO	NEW (SQ FT)	SUB-TOTAL
6th Floor				
5th Floor				
4th Floor				
Attic	751	751	0	751
2nd Floor	1190	1190	0	1190
Mezzanine				
1st Floor	2036	1,780	272	2052
Basement	557	557	0	557
TOTAL	4,534	4,278	272	4,550

ALLOWABLE AREA

Occupancy: A-1 A-2 A-3 A-4 A-5
 Business Educational Factory Hazardous Institutional I-3 Condition Mercantile Residential Storage

Utility and Miscellaneous

Special Provisions: No Yes
 Separation: _____ Hour(s)
 Exception: _____

Secondary Occupancies: **Business**
Special Uses: 402 403 404 405 406 407 408 409 410
 411 412 413 414 415 416 417 418 419 420
 421 422 423 424 425 426 427

Mixed Occupancy: No Yes
 Separation: _____ Hour(s)
 Exception: _____

Incidental Use Separation (T508.2.5)
 This separation is not exempt as a Non-Separated Use (see exceptions).

Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Use (508.4) - See below for area calculations
 For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.00$$

$$\frac{\text{Actual Area of Occupancy C}}{\text{Allowable Area of Occupancy C}} + \frac{\text{Actual Area of Occupancy D}}{\text{Allowable Area of Occupancy D}} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ³ AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴
Basement	Mech/Not Assessable	557					
First (Main)	A3	1780	6,000				
Second	Bi/Not Assessable	1190	9,000				
Attic	Mech/Not Assessable	751					

- ¹ Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 b. Total Building Perimeter = _____ (P)
 c. Ratio (F/P) = _____ (F/P)
 d. W = Minimum width of public way = _____ (W)

FIRE PROTECTION REQUIREMENTS
 Life Safety Plan Sheet #, if Provided **A100**

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQUIRED	PROVIDED (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses, busses	X ≥ 30	HT					
Bearing Walls							
Exterior	X ≥ 30	2					
North							
East							
West							
South							
Interior	X ≥ 30	1HT					
Nonbearing Walls and Partitions							
Exterior walls	X ≥ 30	0					
North	X ≥ 30	0					
East	X ≥ 30	0					
West	X ≥ 30	0					
South	X ≥ 30	0					
Interior walls and partitions	X ≥ 30	1					
Floor Construction	X ≥ 30	HT					
Including supporting beams and joists							
Roof Construction	X ≥ 30	HT					
Including supporting beams and joists							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

¹ Indicate section number permitting reduction
² 0-4 hours or NA - Not Applicable. (Define reasons for NA in the project summary.)
³ Indicate if using T601 Note B exception.

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial _____
 Panic Hardware: No Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM ² NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS ^{1,3} (SECTION 1015.2)	
	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1016.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
Main Floor	2	2	200'-0"	80'-10"	26'-4"	46'-4"
TOTAL	2	2	200'-2"	80'-10"	26'-4"	46'-4"

- ¹ Corridor dead ends (Section 1018.4)
² Stories with single exits (Table 1021.2), Spaces with one means of egress (Table 1015.1)
³ Common Path of Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH

USE GROUP OR SPACE DESCRIPTION ¹	(A) AREA ¹ SQUARE FEET	(B) AREA ¹ PER OCCUPANT	CALCULATED OCCUPANT LOAD (A/B)	EGRESS WIDTH PER OCCUPANT (1005.1)		EXIT WIDTH (w) ^{2,3,4,5,6}		ACTUAL WIDTH SHOWN ON PLANS	
				STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
100 Former Front Porch	NA	NA	NA						
101 Former Living Room	459	15	30.6	0.2	0.2	6.12	6.12	NA	37
102 Former Stair Hall	196	NA	NA	0.2	0.2	0	0	NA	NA
103 Former Moose Room	341	15	22.8	0.2	0.2	4.56	4.56	NA	37
104 Multipurpose Room	237	15	15.8	0.2	0.2	3.16	3.16	NA	35.5
105 Office	186	100	1.86	0.2	0.2	0.558	0.558	NA	35.5
106 Closet	18	NA	NA	0.2	0.2	0	0	NA	NA
107 Closet	18	NA	NA	0.2	0.2	0	0	NA	NA
108 Corridor	312	NA	NA	0.2	0.2	0	0	NA	NA
109 ADA Unisex Restroom	47	NA	NA	0.2	0.2	0	0	NA	NA
200 Former Bedroom #1	313	100	3.13	0.3	0.2	0.938	0.626	42	35.5
201 Former Upper Stair Hall	201	NA	NA	0.3	0.2	0	0	NA	NA
202 Former Bedroom #2	169	100	1.69	0.3	0.2	0.507	0.338	42	35.5
203 Former Bedroom #3	169	100	1.69	0.3	0.2	0.507	0.338	42	35.5
204 Former Butler's Pantry	143	100	1.43	0.3	0.2	0.429	0.286	42	35.5
300 Women's Restroom	125	NA	NA	0.2	0.2	0	0	NA	NA
301 Handicap Stall	52	NA	NA	0.2	0.2	0	0	NA	NA
302 Electrical / Plumbing	198	NA	NA	0.2	0.2	0	0	NA	NA
303 Men's Restroom	125	NA	NA	0.2	0.2	0	0	NA	NA
304 Handicap Stall	52	NA	NA	0.2	0.2	0	0	NA	NA
305 Warming Kitchen Entry	58	200	0.29		0.2	0.087	0.087		36
306 Kitchen Entry	127	200	0.64		0.2	0.192	0.192		36
TOTAL	3,546		79.93	0.3	0.2	2.381	16.265		

- ¹ See Table 1004.1.1 to determine whether net or gross area is applicable.
 See definition "Area, Gross" and "Area, Net" (Section 1002)
² Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
³ Minimum width of exit passageway (Section 1023.2)
⁴ See Section 1004.5 for converging exits.
⁵ The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
⁶ Assembly occupancies (Section 1028)
⁷ Spaces within occupancies or use groups shall be calculated independently. (Ex. Lobbies, lounges, break rooms, conference rooms.)

PLUMBING FIXTURE REQUIREMENTS

USE GROUP OR SPACE DESCRIPTION ¹	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS
	MALE	FEMALE		MALE	FEMALE		
Main House	1	2	0	1	1	NA	1
TOTAL REQUIRED	1	2	0	1	1	NA	1
TOTAL PROVIDED	1	3	2	2	2	NA	1

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Charlotte-Mecklenburg Historic Landmarks Commission

ENERGY SUMMARY
ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs. allowable annual energy cost budget.

THERMAL ENVELOPE
Method of Compliance:
 Prescriptive Performance Energy Cost Budget
 % Glazed Wall Area

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT
Method of Compliance:
 Prescriptive Performance Energy Cost Budget

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Method of Compliance:
 Prescriptive Energy Cost Budget

747 SUMMIT STREET
 WINSTON-SALEM, NC 27101
 336.725.5386



Project:
Historic Holly Bend
 3701 Neck Road
 Huntersville, North Carolina 28078

Sheet Title:
Charlotte-Mecklenburg Building Code Summary

**2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS**
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: The Historic Holly Bend House (Restroom)
 Address: 3701 Neck Road, Huntersville, North Carolina Zip Code 28078
 Proposed Use: Historic Registry Structure for Exhibit, Community, and Lecture
 Owner/Authorized Agent: Mecklenburg County Phone # 980.314.2524 E-Mail: Peter.Wasmer@MecklenburgCountyNC.gov
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County Mecklenburg State

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Edwin Bouldin Architect PA	Ed Bouldin	2293	336.725.5386	ed@edwin-bouldin.com
Civil	Carl DeLong, PA	Keith Boudreau	12283	336.260.5542	mb@carldejong.com
Electrical	McKnight Smith Ward Griffin	Mark Arrington		704.527.2112	marrington@mswg.com
Fire Alarm	McKnight Smith Ward Griffin	Mark Arrington		704.527.2112	marrington@mswg.com
Plumbing	McKnight Smith Ward Griffin	Chris Champion		704.527.2112	champion@mswg.com
Mechanical	McKnight Smith Ward Griffin	Chris Champion		704.527.2112	champion@mswg.com
Sprinkler Standpipe Structural	SKA Consulting Engineers, Inc.	Chuck Cardwell	15765	704.424.5663	ccardwell@skaeing.com
Retaining Walls >5' High Other	Jordan Consultants ASLA	Eric Jordan			erjordan@bellsouth.net

2012 EDITION OF NC CODE FOR: **New Construction** Addition Upfit
 Reconstruction Alteration Repair Renovation
 EXISTING: (date) _____ ORIGINAL USE(S) (Ch. 3): _____
 RENOVATED: (date) _____ CURRENT USE(S) (Ch. 3): _____
 PROPOSED USE(S) (Ch. 3): _____

BASIC BUILDING DATA
 Construction Type: (check all that apply) I-A II-A III-A IV V-A
 I-B II-B III-B V-B
 Sprinklers: No Partial Yes NFPA 13 NFPA 13R NFPA 13D
 Fire Alarm: No Yes Class I II III Wet Dry
 Standpipes: No Yes (Primary)
 Flood Hazard Area: No Yes
 Building Height: (feet) 11'-1 1/2"
 Gross Building Area:

FLOOR	EXISTING (SQ FT)		NEW (SQ FT)	SUB-TOTAL
	BEFORE DEMO	AFTER DEMO		
6th Floor				
5th Floor				
4th Floor				
Attic				
2nd Floor				
Mezzanine				
1st Floor			840	840
Basement				
TOTAL			840	840

Appendix B

LIFE SAFETY SYSTEM REQUIREMENTS
 Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection Systems: No Yes Partial _____
 Panic Hardware: No Yes

LIFE SAFETY PLAN REQUIREMENTS
 Life Safety Plan Sheet #: _____
 Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations
 Exterior wall opening area with respect to distance to assumed property lines (705.8)
 Existing structures within 30' of the proposed building
 Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
 Occupant loads for each area
 Exit access travel distances (1016)
 Common path of travel distances (1014.3 & 1028.8)
 Dead end lengths (1018.4)
 Clear exit widths for each exit door
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated flooring and/or roof structure is provided for purposes of occupancy separation
 Location of doors with panic hardware (1008.1.10)
 Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
 Location of doors with electromagnetic egress locks (1008.1.9.8)
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1029)
 The square footage of each fire area (902)
 The square footage of each smoke compartment (407.4)
 Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

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

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
Main Parking	27	0	0	0	0	2
Overflow Parking	0	8	0	0	0	0
TOTAL		35	0	0	0	2

Appendix B

ALLOWABLE AREA

Occupancy: A-1 A-2 A-3 A-4 A-5

Business

Educational

Factory F-1 Moderate F-2 Low

Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM

Institutional I-1 I-2 I-3 I-4 I-5

I-3 Condition 1 2 3 4 5

Mercantile

Residential R-1 R-2 R-3 R-4

Storage S-1 Moderate S-2 Low High-piled Enclosed Repair Garage

Utility and Miscellaneous

Accessory Occupancies: A-1 A-2 A-3 A-4 A-5

Business

Educational

Factory F-1 Moderate F-2 Low

Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM

Institutional I-1 I-2 I-3 I-4 I-5

I-3 Condition 1 2 3 4 5

Mercantile

Residential R-1 R-2 R-3 R-4

Storage S-1 Moderate S-2 Low High-piled Enclosed Repair Garage

Utility and Miscellaneous

Incidental Uses (Table 508.2.5):

 Furnace room where any piece of equipment is over 400,000 Btu per hour input
 Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
 Refrigerant machine room
 Hydrogen cutoff rooms, not classified as Group H
 Incinerator rooms
 Paint shops, not classified as Group H, located in occupancies other than Group F
 Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
 Laundry rooms over 100 square feet
 Group I-3 cells equipped with padded surfaces
 Group I-2 waste and linen collection rooms
 Waste and linen collection rooms over 100 square feet
 Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
 Rooms containing fire pumps
 Group I-2 storage rooms over 100 square feet
 Group I-2 commercial kitchens
 Group I-2 laundries equal to or less than 100 square feet
 Group I-2 rooms or spaces that contain fuel-fired heating equipment

Appendix B

STRUCTURAL DESIGN
DESIGN LOADS:
 Importance Factors: Wind (lw) _____
 Snow (ls) _____
 Seismic (le) _____

Live Loads: Roof _____ psf
 Mezzanine _____ psf
 Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Basic Wind Speed _____ mph (ASCE-7)
 Exposure Category _____
 Wind Base Shears (for MWFRS) Vx = _____ Vy = _____

SEISMIC DESIGN CATEGORY: A B C D

Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5) I II III IV
Spectral Response Acceleration Ss _____ %g S1 _____ %g
Site Classification (Table 1613.5.2) A B C D E F
 Data Source: Field Test Presumptive Historical Data

Basic structural system (check one)
 Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum

Seismic base shear: Vx = _____ Vy = _____
 Simplified Equivalent Lateral Force
 Dynamic

Analysis Procedure: Field Test Presumptive Historical Data

Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) _____ psf
 Presumptive Bearing Capacity _____ psf
 File size, type, and capacity _____

SPECIAL INSPECTIONS REQUIRED: Yes No

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

SPACE	USE	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
EXISTING									
NEW REQUIRED									

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Charlotte-Mecklenburg Historic Landmarks Commission

Appendix B

Special Uses: 401 402 403 404 405 406 407 408 409 410
 411 412 413 414 415 416 417 418 419 420
 421 422 423 424 425 426 427

Special Provisions: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9

Mixed Occupancy: No Yes
 Separation: _____ Hour(s)
 Exception: _____

Incidental Use Separation (508.2.5)
 This separation is not exempt as a Non-Separated Use (see exceptions).

Non-Separated Use (508.3)
 The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Separated Use (508.4) - See below for area calculations
 For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.00$$

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) FLOOR AREA PER STORY (ACTUAL)	(B) TABLE 503 ⁵ AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ³	(F) MAXIMUM BUILDING AREA ⁴

¹ Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
 b. Total Building Perimeter = _____ (P)
 c. Ratio (F/P) = _____ (F/P)
 d. W = Minimum width of public way = _____ (W)
 e. Percent of frontage increase $I = 100 [(F/P - 0.25) \times W/30] = _____ (\%)$

² The sprinkler increase per Section 506.3 is as follows:
 a. Multi-story building $I_s = 200$ percent
 b. Single story building $I_s = 300$ percent

³ Unlimited area applicable under conditions of Section 507.
⁴ Maximum Building Area = total number of stories in the building x E (506.4).
⁵ The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type: VB		Type: VB	
Building Height in Feet		Feet = H + 20 = 31'-1 1/2"	11'-1 1/2"	
Building Height in Stories		Stories + 1 = 2	1	

Appendix B

ENERGY SUMMARY
ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Climate Zone: 3 4 5

Method of Compliance:
 Prescriptive (Energy Code)
 Performance (Energy Code)
 Prescriptive (ASHRAE 90.1)
 Performance (ASHRAE 90.1)

THERMAL ENVELOPE
Roof/ceiling Assembly (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Skylights in each assembly:
 U-Value of skylight: _____
 Total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Openings (windows or doors with glazing)
 U-Value of assembly: _____
 Solar heat gain coefficient:
 Projection factor:
 Door R-Values: _____

Walls below grade (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors over unconditioned space (each assembly)
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____

Floors slab on grade
 Description of assembly: _____
 U-Value of total assembly: _____
 R-Value of insulation: _____
 Horizontal/vertical requirement:
 Slab heated: _____

Appendix B

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQUIRED	PROVIDED (w/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	NA	NA	0				
Bearing Walls							
Exterior	NA	NA	NA				
North							
East							
West							
South							
Interior	NA	NA	NA				
Nonbearing Walls and Partitions							
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions	NA	NA	NA				
Floor Construction	NA	NA	NA				
Including supporting beams and joists							
Roof Construction	NA	NA	NA				
Including supporting beams and joists							
Shaft Enclosures - Exit	NA	NA	NA				
Shaft Enclosures - Other	NA	NA	NA				
Corridor Separation	NA	NA	NA				
Occupancy Separation	NA	NA	NA				
Party/Fire Wall Separation	NA	NA	NA				
Smoke Barrier Separation	NA	NA	NA				
Tenant Separation	NA	NA	NA				
Incidental Use Separation							

*Indicate section number permitting reduction

Appendix B

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
 winter dry bulb: _____
 summer dry bulb: _____

Interior design conditions
 winter dry bulb: _____
 summer dry bulb: _____
 relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System
 Unitary
 description of unit: _____
 heating efficiency: _____
 cooling efficiency: _____
 size category of unit: _____
 Boiler
 Size category. If oversized, state reason: _____
 Chiller
 Size category. If oversized, state reason: _____

List equipment efficiencies: _____

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT

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

Lighting schedule (each fixture type)
 lamp type required in fixture _____
 number of lamps in fixture _____
 ballast type used in the fixture _____
 number of ballasts in fixture _____
 total wattage per fixture _____
 total interior wattage specified vs. allowed (whole building or space by space) _____
 total exterior wattage specified vs. allowed _____

Additional Prescriptive Compliance
 506.2.1 More Efficient Mechanical Equipment
 506.2.2 Reduced Lighting Power Density
 506.2.3 Energy Recovery Ventilation Systems
 506.2.4 Higher Efficiency Service Water Heating
 506.2.5 On-Site Supply of Renewable Energy
 506.2.6 Automatic Daylighting Control Systems

Appendix B

**EDWIN
BOULDIN
ARCHITECT PA**

747 SUMMIT STREET
WINSTON-SALEM, NC 27101
336.725.5386



Project:
Historic Holly Bend
 3701 Neck Road
 Huntersville, North Carolina 28078

Sheet Title:
Restroom Building Code Summary

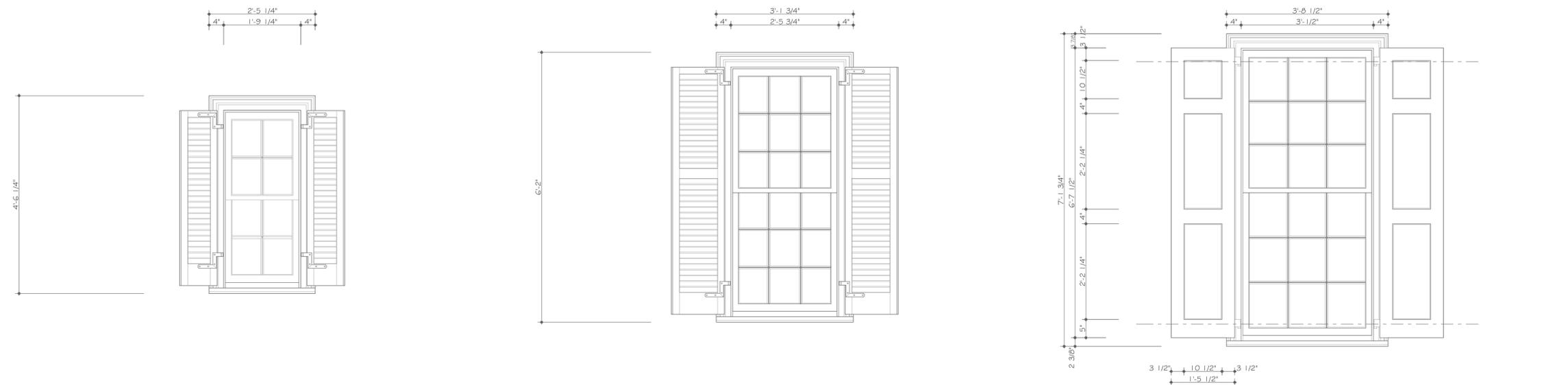
Issue Date:
November 4, 2016

Design Phrase:
Construction Documents

Revision Date(s):

Sheet Number:
BC120

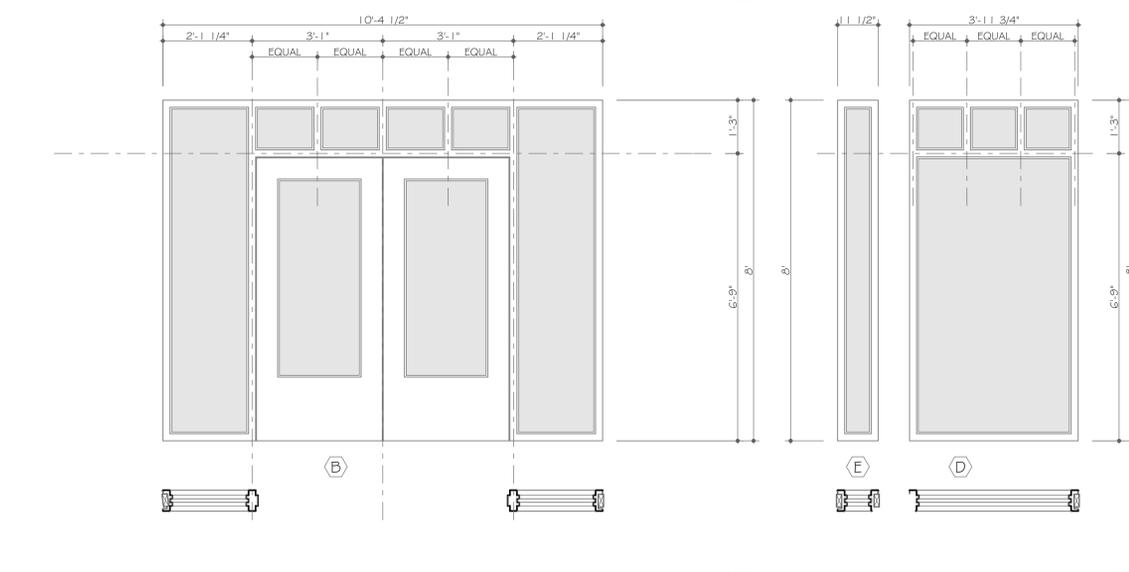
As instruments of these drawings and the designs represented are the property of Edwin Bouldin Architect PA. Reproduction or use of these drawings other than for the project intended without written consent from the architect is prohibited. Unauthorized use will be subject to legal action.



Window Elevation Attic
SCALE: 3/4" = 1'-0" 09

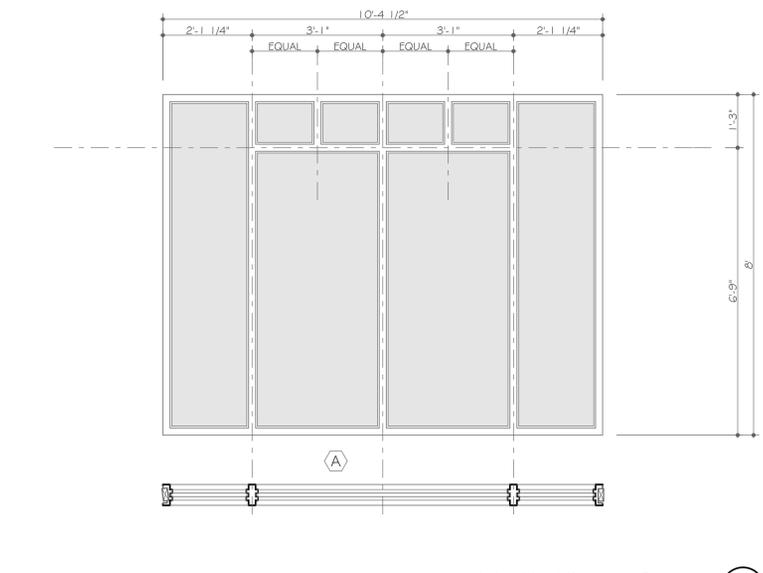
Window Elevation Second Floor
SCALE: 3/4" = 1'-0" 0G

Window Elevation First Floor
SCALE: 3/4" = 1'-0" 02

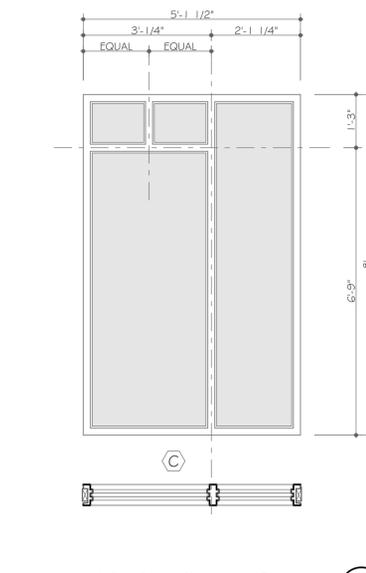


Hollow Metal Storefront Elevation
SCALE: 1/2" = 1'-0" 0B

Hollow Metal Storefront Elevation
SCALE: 1/2" = 1'-0" 05



Hollow Metal Storefront Elevation
SCALE: 1/2" = 1'-0" 07



Hollow Metal Storefront Elevation
SCALE: 1/2" = 1'-0" 04

Floor	Plan Number	Room Name	Type	Opening	Condition Code	Top			Bottom			Locking System	Exterior Elements		
						Era	Panes (Damaged)	Repair Note	Era	Panes (Damaged)	Repair Note		Jamb	Sill	Casing
1	W101B	Living Room 101	A	34" x 80"	1	Old	9 (0)	1	Old	9 (0)	1				
1	W101E	Living Room 101	A	34" x 80"	1	Old	9 (0)	1	Old	9 (0)	1				
1	W103E	Moose Room 103	A	34" x 80"	1	Old	9 (0)	1	Old	9 (0)	1				
1	W103D	Moose Room 103	A	34" x 80"	1	Old	9 (0)	1	Old	9 (0)	1				
1	W103C	Moose Room 103	A	34" x 80"	1	Old	9 (0)	1	Old	9 (0)	1				
1	W103B	Moose Room 103	A	34" x 80"	2	Old	9 (0)	1	Old	9 (0)	1,2		4	5	
1	W103A	Moose Room 103	A	34" x 80"	3	Old	9 (1)	1,2	Old	9 (0)	1,2		4	5,6	
1	W103F	Moose Room 103	A	34" x 80"	Replicate entire window including interior and exterior trim										
1	W101F	Living Room 101	A	34" x 80"	Replicate entire window including interior and exterior trim										
1	W101D	Living Room 101	A	34" x 80"	1	Old	9 (0)	1	Old	9 (0)	1	Y		3	5
1	W101C	Living Room 101	A	34" x 80"	2	Old	9 (0)	1	Old	9 (0)	1	Y		3	5
2	W200B	Room 200	B	28" x 67"	3	Old	9 (0)	1	New	9 (0)	1			4	5
2	W200A	Room 200	B	28" x 67"	3	Old	9 (0)	1	New	9 (0)	1			3	5
2	W201A	Upper Stair Hall 201	B	28" x 67"	1	New	9 (0)	1	New	9 (0)	1				
2	W202C	Room 202	B	28" x 67"	2	New	9 (0)	1,2	New	9 (0)	1			4	
2	W202B	Room 202	B	28" x 67"	2	New	9 (0)	1,2	New	9 (0)	1				
2	W202A	Room 202	B	28" x 67"	1	New	9 (0)	1	New	9 (0)	1				
2	W203B	Room 203	B	28" x 67"	1	Old	9 (0)	1	Old	9 (0)	1,2	7		4	5
2	W203A	Room 203	B	28" x 67"	1	Old	9 (0)	1	Old	9 (0)	1	7		3	5
2	W201B	Upper Stair Hall 201	B	28" x 67"	1	Old	9 (0)	1	Old	9 (0)	1				
2	W204C	Room 204	B	28" x 67"	1	Old	9 (0)	1	New	9 (0)	1	7			
2	W204B	Room 204	B	28" x 67"	1	Old	9 (0)	1	New	9 (0)	1	7			
2	W204A	Room 203	B	28" x 67"	1	Old	9 (0)	1	New	9 (0)	1	7			
2	W200C	Room 200	B	28" x 67"	2	Old	9 (0)	1	New	9 (0)	1,2			3	5
3	W301A	Attic 301	C	20" x 47"	1	Old	4 (0)	1	Old	4 (0)	1,2				
3	W301B	Attic 301	C	20" x 47"	1,4	Old	4 (0)	1	New	4 (0)	1				
3	W300A	Attic 300	C	20" x 47"	1,4	Old	4 (0)	1	New	4 (0)	1			4	5
3	W300B	Attic 300	C	20" x 47"	1	Old	4 (0)	1	Old	4 (0)	1,2			4	5
1	W104A	Office 104	D	32" x 80"	1,5	Old	6 (0)	1	Old	6 (0)	1	N/A			
1	W104B	Office 104	D	32" x 80"	1,5	Old	6 (0)	1	Old	6 (0)	1	N/A			
1	W104B	Office 104	D	Replicate entire window including interior and exterior trim											
1	W105A	Office 105	D	32" x 80"	1,5	Old	6 (0)	1	Old	6 (0)	1	N/A			

- REPAIR NOTES:**
(Blank) No repair identified
- 1 Remove and replace glaze putty
 - 2 Bottom rail replace/repair
 - 3 Sill consolidate (<30% deterioration)
 - 4 Sill replace (> 30% deterioration)
 - 5 Exterior casing element repair
 - 6 Exterior casing element replace
 - 7 Original sash positioning device missing
 - 8 Repair exterior of muntins
- Condition Code**
- 1 All wood elements intact and serviceable
 - 2 Some wood element(s) need minor repair
 - 3 Some wood element(s) need major repair
 - 4 Top/Bottom muntin profiles do not match.
 - 5 Top sash installed upside down
- Era Code**
- Old Appears original - pegged joinery
 - New Obvious replication - nailed joinery

Window Type

Type	#Panels	Opening Dimension		Description
		Top	Bottom	
Type A	9	34"	80"	Single Hung
Type B	9	28"	67"	Single Hung
Type C	4	20"	47"	Single Hung
Type D	6	32"	80"	Single Hung
Type E	1	NIC		
Type F	6	NIC		

Floor	Plan Number	Room Name	Door Information				Frame Information		Details			Notes	
			Width	Height	Thickness	Material	Type	Material	Type	Head	Jamb		Threshold
Base	D001A	Crawl Space 001	3'-0"	3'-0"	1-3/4"	Hollow Metal	Flush	Hollow Metal	F1				
1	D102A	Stair Hall 102	Existing Door					Existing Frame		NA			1
1	D102B	Stair Hall 102	Existing Door					Existing Frame		NA			1
1	D102C	Stair Hall 102	Existing Door					Existing Frame		NA			1
1	D102D	Stair Hall 102	Existing Door					Existing Frame		NA			1
1	D105A	Office 104	Existing Door					Existing Frame		NA			1
1	D105B	Office 104	Existing Door					Existing Frame		NA			1
1	D106A	Closet 106	Existing Door					Existing Frame		NA			1
1	D107A	Closet 107	Existing Door					Existing Frame		NA			1
1	D108A	Corridor 108	6'-0"	7'-0"	1-3/4"	Hollow Metal	Glass	Hollow Metal			09/A101		1
1	D108B	Corridor 108	Existing Door					Existing Frame		NA			1
1	D109A	ADA Toilet 109	3'-0"	7'-0"	1-3/4"	Wood	Flush	Hollow Metal	F1		09/A101		1
2	D201A	Upper Stair Hall 201	Existing Door					Existing Frame		NA			1
2	D201B	Upper Stair Hall 201	Existing Door					Existing Frame		NA			1
2	D201C	Upper Stair Hall 201	Existing Door					Existing Frame		NA			1
2	D201D	Upper Stair Hall 201	Existing Door					Existing Frame		NA			1
2	D201E	Upper Stair Hall 201	Existing Door					Existing Frame		NA			1
2	D201F	Upper Stair Hall 201	Existing Door					Existing Frame		NA			1
1	DT00A	Women's Restroom T00	3'-0"	7'-0"	1-3/4"	Wood	Panel	Hollow Metal	F1	05/A321	04/A321	09/A101	
1	DT02A	Electrical/Plumbing T02	3'-0"	7'-0"	1-3/4"	Wood	Flush	Hollow Metal	F1	06/A101	06/A101		
1	DT03A	Men's Restroom T03	3'-0"	7'-0"	1-3/4"	Wood	Panel	Hollow Metal	F1	05/A321	04/A321	09/A101	
1	DT05A	Warming Kitchen Entry T05	3'-0"	7'-0"	1-3/4"	Wood	Panel	Hollow Metal	F1	05/A321	04/A321	09/A101	

- REPAIR NOTES:**
(Blank) No repair identified
- 1 See Pant Specifications
 - 2 Replace missing hardware

Window and Door and Door Frame Schedules 01

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Window and Door Schedules
Existing Window Elevations
Hollow Metal Curtain Wall Elevations

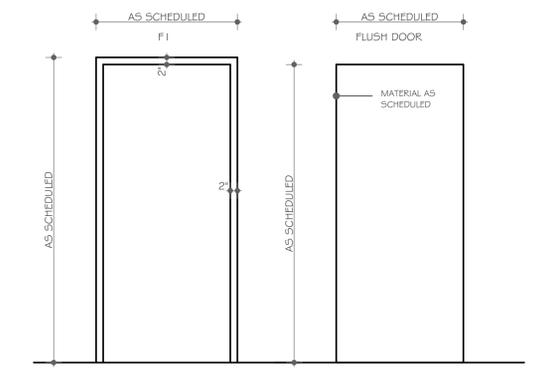
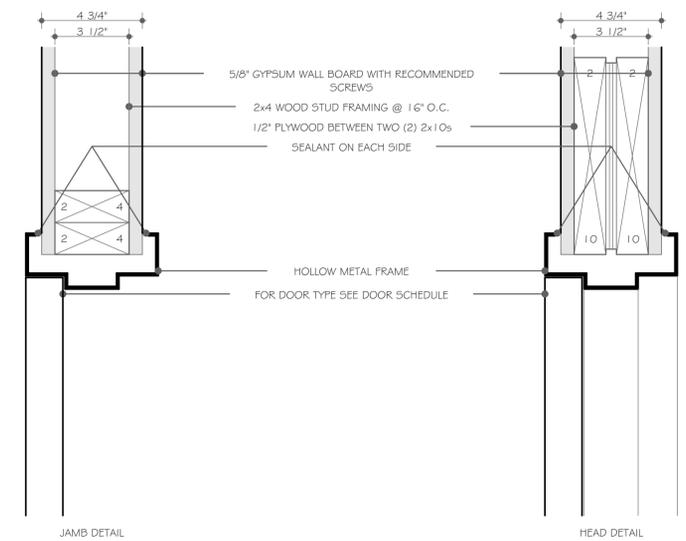
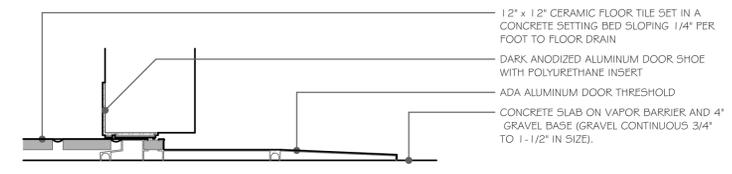
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Construction Documents

Revision Date(s):

Sheet Number:
A100

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Door Threshold Detail
SCALE: 6" = 1'-0" 09

Door Head and Jamb Details
SCALE: 3" = 1'-0" 06

Door and Door Frame Elevations
SCALE: 1/2" = 1'-0" 03

ROOM NAME	WALL	BASE
UNISEX TOILET	MATERIAL: Ceramic Tile FINISH: Ceramic Tile	MATERIAL: Ceramic Tile FINISH: Ceramic Tile
ROOM NUMBER: 109	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Ceramic Tile FINISH: Ceramic Tile MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 9'-0" MATERIAL: Gypsum Wallboard FINISH: Gypsum Wallboard MANUFACTURER: COLOR: DETAIL NUMBER: Paint
BEDROOM #1	MATERIAL: Existing Horizontal Wood FINISH: Paint	MATERIAL: Existing 5 1/2" Wood FINISH: Paint
ROOM NUMBER: 200	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 10'-1" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint
UPPER STAIR HALL	MATERIAL: Existing Horizontal Wood FINISH: Paint	MATERIAL: Existing 5 1/2" Wood FINISH: Paint
ROOM NUMBER: 201	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 10'-1" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint
BEDROOM #2	MATERIAL: Existing Horizontal Wood FINISH: Paint	MATERIAL: Existing 5 1/2" Wood FINISH: Paint
ROOM NUMBER: 202	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 10'-1" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint
BEDROOM #3	MATERIAL: Existing Horizontal Wood FINISH: Paint	MATERIAL: Existing 5 1/2" Wood FINISH: Paint
ROOM NUMBER: 203	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 10'-1" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint
BUTLER'S PANTRY	MATERIAL: Existing Horizontal Wood FINISH: Paint	MATERIAL: Existing 5 1/2" Wood FINISH: Paint
ROOM NUMBER: 204	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 10'-1" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint

ROOM NAME	WALL	BASE
MOOSE ROOM	MATERIAL: Existing Horizontal Wood FINISH: Paint	MATERIAL: Existing 5 1/2" Wood FINISH: Paint
ROOM NUMBER: 103	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 11'-5 3/4" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint
MULTIPURPOSE	MATERIAL: Existing Plaster FINISH: Paint	MATERIAL: Wood FINISH: Paint
ROOM NUMBER: 104	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 8'-0" MATERIAL: Existing Plaster FINISH: Existing Plaster MANUFACTURER: COLOR: DETAIL NUMBER: Paint
OFFICE	MATERIAL: Existing Plaster FINISH: Paint	MATERIAL: Wood FINISH: Paint
ROOM NUMBER: 105	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 8'-0" MATERIAL: Existing Plaster FINISH: Existing Plaster MANUFACTURER: COLOR: DETAIL NUMBER: Paint
CLOSET	MATERIAL: Existing Plaster FINISH: Paint	MATERIAL: Wood FINISH: Paint
ROOM NUMBER: 106	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 8'-0" MATERIAL: Existing Plaster FINISH: Existing Plaster MANUFACTURER: COLOR: DETAIL NUMBER: Paint
CLOSET	MATERIAL: Existing Plaster FINISH: Paint	MATERIAL: Wood FINISH: Paint
ROOM NUMBER: 107	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 8'-0" MATERIAL: Existing Plaster FINISH: Existing Plaster MANUFACTURER: COLOR: DETAIL NUMBER: Paint
CORRIDOR	MATERIAL: Glass/Metal/Wood Siding FINISH: Paint	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 108	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Tongue & Groove Wood FINISH: Stain MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 8'-0" MATERIAL: Tongue & Groove Wood FINISH: Tongue & Groove Wood MANUFACTURER: COLOR: DETAIL NUMBER: Stain

ROOM NAME	WALL	BASE
CELLAR	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 000	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: New Concrete FINISH: Sealed MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
CELLAR ACCESS	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 001	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: New Concrete FINISH: Sealed MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
CELLAR	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 002	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: New Concrete FINISH: Sealed MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
FRONT PORCH	MATERIAL: Vertical Tongue & Groove FINISH: Paint MANUFACTURER: COLOR: DETAIL NUMBER:	MATERIAL: FINISH: MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 100	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: New Tongue & Groove FINISH: Paint MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: Existing Tongue & Groove MATERIAL: Existing Tongue & Groove FINISH: Existing Tongue & Groove MANUFACTURER: COLOR: DETAIL NUMBER: Paint
LIVING ROOM	MATERIAL: Existing Horizontal Wood FINISH: Paint MANUFACTURER: COLOR: DETAIL NUMBER:	MATERIAL: Existing 5 1/2" Wood FINISH: Paint MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 101	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 11'-5 3/4" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint
STAIR HALL	MATERIAL: Existing Horizontal Wood FINISH: Paint MANUFACTURER: COLOR: DETAIL NUMBER:	MATERIAL: Existing 5 1/2" Wood FINISH: Paint MANUFACTURER: COLOR: DETAIL NUMBER:
ROOM NUMBER: 102	MANUFACTURER: COLOR: DETAIL NUMBER:	MANUFACTURER: COLOR: DETAIL NUMBER:
REMARKS:	DETAIL NUMBER:	DETAIL NUMBER:
FLOOR	MATERIAL: Existing Wood FINISH: Stained MANUFACTURER: COLOR: DETAIL NUMBER:	CEILING HEIGHT: 11'-5 3/4" MATERIAL: Existing Wood FINISH: Existing Wood MANUFACTURER: COLOR: DETAIL NUMBER: Paint

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**Finish Schedule
Door and Door Frame Elevations
Door Head and Jamb Details
Threshold Detail**

Issue Date:
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Sheet Number:
A101

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GENERAL CONSTRUCTION NOTES:

1. ALL DIMENSIONS ARE TO THE FACE OF MASONRY OR FACE OF STUD UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS TO WINDOWS AND DOORS LOCATED IN MASONRY WALLS ARE TO THE MASONRY OPENING. ALL DIMENSIONS TO WINDOWS AND DOORS IN METAL OR WOOD STUD WALLS ARE TO THE CENTERLINE OF THE OPENING UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS TO ITEMS SUCH AS EXPANSION JOINTS, CONTROL JOINT, DOWNSPOUTS AND SCUPPERS ARE TO THE CENTERLINE.
4. REFER TO THE WALL SECTIONS FOR THE CONSTRUCTION OF ALL TYPICAL EXTERIOR WALLS.
5. ALL BATHROOMS SHALL RECEIVE WATER RESISTANT GYPSUM BOARD ON WALLS AND CEILINGS UNLESS NOTED/SCHEDULED OTHERWISE.
6. ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURE ABOVE. ALL METAL STUD PARTITION TYPES SHALL BE ANCHORED TO DECK ABOVE PER "DOUBLE TRACK SLIP JOINT" DETAIL. ALL CMU PARTITIONS AND BEARING WALLS SHALL BE GROUTED AT METAL DECK VOIDS.
7. SEE PARTITION TYPES FOR WALL RATING INFORMATION.
8. PROVIDE BLOCKING IN WALLS FOR ALL WALL HUNG ITEMS SUCH AS CABINETS, TOILET ACCESSORIES, CHALKBOARDS, WHITEBOARDS, DIRECTORIES AND TACKBOARDS.
9. REFER TO WINDOW AND DOOR DETAILS FOR WINDOWS AND DOORS.
10. FOR FIRE EXTINGUISHER CABINET (FEC), MOUNTING HEIGHTS AND DETAILS THE FIRE EXTINGUISHER CABINET (FEC) DETAIL. FIRE EXTINGUISHER CABINETS ARE TO BE PLACED SUCH THAT THEY DO NOT INTERFERE WITH REACHING ACCESS TO OTHER WALL DEVICES SUCH AS LIGHT SWITCHES, THERMOSTATS, OUTLETS, ETC.
11. ALIGN CENTERLINES OF ELECTRICAL, MECHANICAL OR PLUMBING DEVICES WITH ARCHITECTURAL FEATURES WHERE POSSIBLE. ARCHITECT TO VERIFY LOCATIONS OF ALL DEVICES BEFORE PERMANENT PLACEMENT.
12. ALL CONDUIT AND PIPING SHALL BE CONCEALED AND SHALL NOT BE RUN EXPOSED. ANY CONDUIT OR PIPING LEFT EXPOSED SHALL BE MOVED AND HIDDEN WITH THE FINISHES AT THE EXPENSE OF THE GENERAL CONTRACTOR.
13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE EXACT SIZE AND LOCATION OF ALL FLOOR AND ROOF PENETRATIONS WITH MECHANICAL, PLUMBING, AND ELECTRICAL CONTRACTORS WORK. ANY CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING. THE GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE THE PREPARATION OF COORDINATION DRAWINGS FOR ALL TRADES. SEE SPECIFICATION.
14. DEMOLITION WHERE REQUIRED SHALL BE CARRIED OUT WITHOUT UNNECESSARILY DAMAGING MATERIAL NOT PART OF THE DEMOLITION. WHERE DEMOLITION OCCURS, BUILDING ELEMENTS SHALL BE RENOVATED WITH PATCHING OR REWORKING AS REQUIRED TO PROVIDE FINISHED SURFACES, EDGES, TRIM OR OTHER ELEMENT CONSISTENT WITH THE EXISTING ADJACENT MATERIAL TYPE, FINISH, AND TEXTURE. SEE SPECIFICATIONS.
15. ALL NEW WOOD DOORS AND HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED. ALL EXISTING DOORS SHALL BE FREPPED AND PAINTED.
16. NEW STORAGE ROOMS SHALL HAVE BUILT IN SHELVING UNLESS NO SHELF LINES ARE SHOWN ON THE PLAN FOR THE SPACE.
17. ALL CMU BLOCK AND BRICK DIMENSIONS ARE SET TO COURSING. AT PREINSTALLATION MEETING, ARCHITECT SHALL BE INFORMED BEFORE MASONRY WORK BEGINS IF THERE ARE AREAS WHERE BRICK OR BLOCK DO NOT COURSE.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, AND ERECTION OF STRUCTURAL MATERIALS IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
17. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH NEW WORK IN AREAS AFFECTED BY EXISTING CONDITIONS. THE DESIGNER SHALL BE INFORMED IN WRITING OF CONFLICTS BETWEEN EXISTING AND PROPOSED NEW CONSTRUCTION.
18. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
19. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. SUCH LOADS SHALL NOT EXCEED THE CAPACITY OF THE STRUCTURE AT ANY TIME.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING, FURNISHING, ERECTING, AND REMOVING ANY SHORING AND BRACING REQUIRED DURING CONSTRUCTION OR RELOCATION OF STRUCTURE, INCLUDING BRACING REQUIRED FOR SIDES OF EXCAVATIONS DURING FOUNDATION CONSTRUCTION.
21. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AS REQUIRED TO TEMPORARILY BRACE AND SUPPORT WALLS DURING CONSTRUCTION PRIOR TO ERECTION OF PERMANENT STRUCTURAL MEMBERS WHICH WILL SERVE AS PERMANENT BRACING FOR WALLS.
22. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL CONCRETE HAS REACHED ITS REQUIRED COMPRESSIVE STRENGTH. USE MECHANICAL HAND-TAMPERS FOR COMPACTING BACKFILL AGAINST WALLS.
23. NO OPENINGS NOR ANY CHANGES IN SIZE, DIMENSION OR LOCATION SHALL BE MADE IN ANY STRUCTURAL ELEMENTS WITHOUT WRITTEN APPROVAL OF THE DESIGNER.
24. THE CONTRACTOR SHALL INFORM THE DESIGNER, IN WRITING, OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY VIRTUE OF THE DESIGNER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE DESIGNER OF SUCH DEVIATION AT TIME OF SUBMISSION, AND THE DESIGNER HAS GIVEN WRITTEN APPROVAL FOR THE SPECIFIC DEVIATION.
25. WHERE CONSTRUCTION TOLERANCES ALLOW FOR VARIATIONS IN LOCATION, SIZE, ETC. OF STRUCTURAL ELEMENTS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MATERIALS AND LABOR NECESSARY TO MODIFY CONNECTION ELEMENTS AS REQUIRED TO PROVIDE A FINISHED PRODUCT WHICH IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. ANY SUCH MODIFICATIONS REQUIRED SHALL BE REVIEWED AND APPROVED BY THE DESIGNER PRIOR TO EXECUTION.
26. THE DESIGNER SHALL BE NOTIFIED AT THE PROPER TIME WHEN ITEMS ARE READY FOR FIELD REVIEW. SUFFICIENT NOTICE SHALL BE GIVEN TO ALLOW SCHEDULING OF THE FIELD REVIEW.

SAFETY NOTES:

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF PERSONS AND PROPERTY EITHER ON OR ADJACENT TO THE PROJECT AND SHALL PROTECT SAME AGAINST INJURY, DAMAGE, OR LOSS.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS, AND PRECAUTIONS RELATED TO ALL WORK ON THIS PROJECT. SAFETY REGULATIONS SHALL BE FOLLOWED STRICTLY.

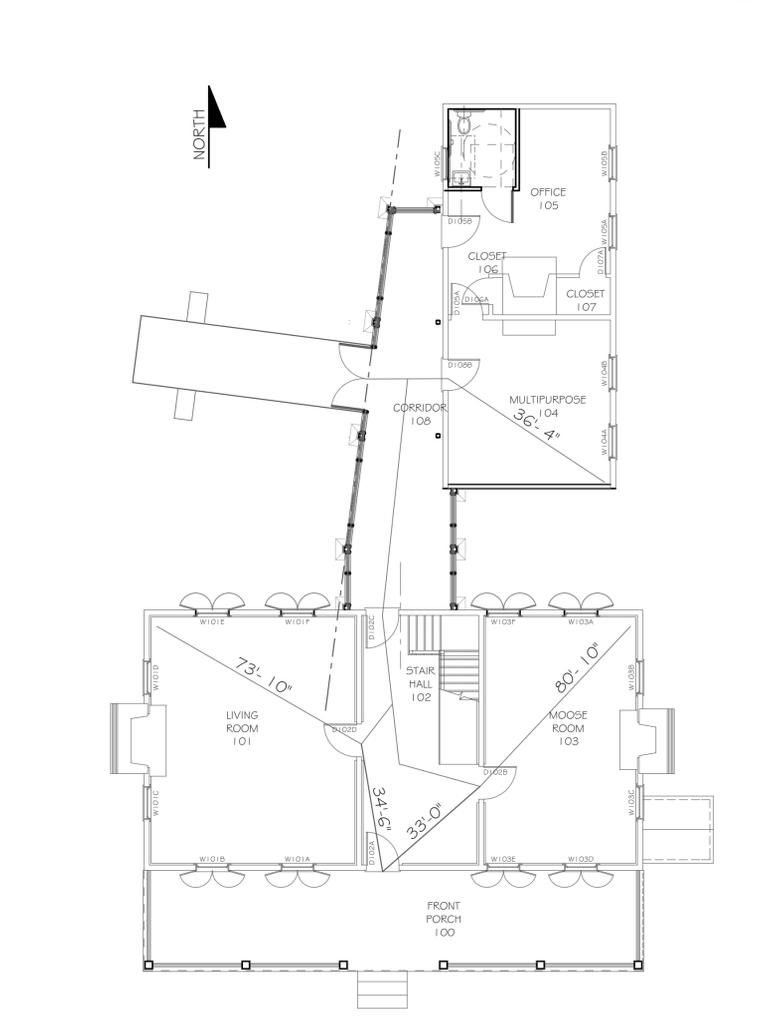
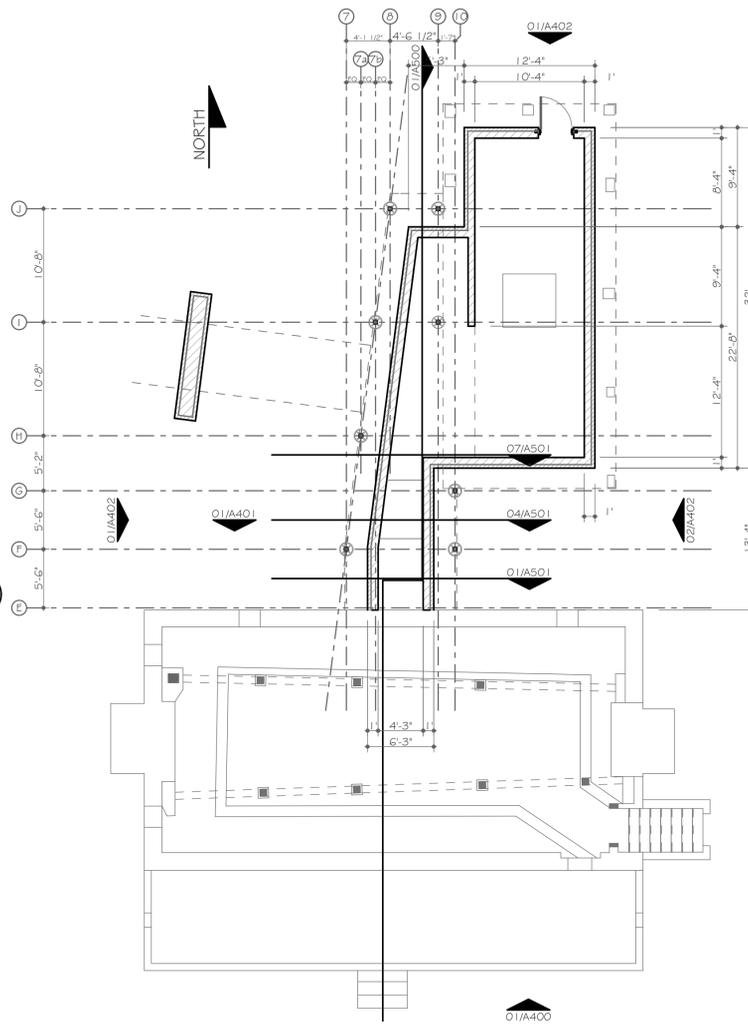
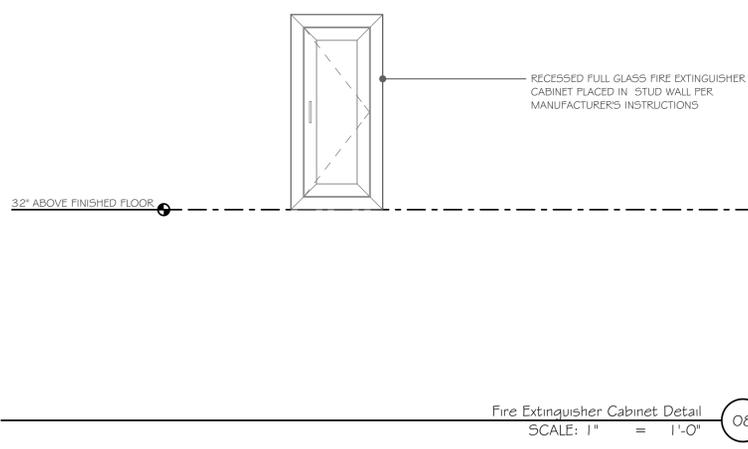
WINDOW INSTALLATION NOTES:

1. SHIM UNITS IN THE OPENING PLUMB LEVEL AND SQUARE.
2. FILL VOIDS AROUND UNIT WITH INSULATION. DO NOT OVERFILL CAUSING UNIT TO BOW.
3. PROVIDE A PRIMARY AND SECONDARY AIR AND WATER SEAL AROUND THE PERIMETER OF THE UNIT. USE BACKER ROD AND SEALANT AT BOTH THE INTERIOR AND EXTERIOR EDGE OF FRAME.
4. IN FIN INSTALLATION USE A PRIMARY SEAL TO SEAL THE UNIT TO THE EXTERIOR FINISH MATERIAL. USE A SECONDARY SEAL TO PROVIDE A CONTINUOUS BEAD OF SEALANT BEHIND THE INSTALLATION FIN BEFORE SETTING THE UNIT IN PLACE OR SEAL FIN WITH WATERPROOF TAPE.
5. SEAL WALL CAVITY AROUND PERIMETER OF UNIT.
6. CLIPS MUST BE ATTACHED TO WALL FRAMING WITH ANCHORS ADEQUATE FOR DESIGN PRESSURE SPECIFIED. WALL FRAMING AROUND WINDOW OPENING MUST ALSO BE ADEQUATE TO WITHSTAND WIND LOADS TRANSFERRED FROM WINDOW COMPOSITE.
7. IN MASONRY, THRU-WALL CAVITY FLASHING WITH WEEP RECOMMENDED AT HEAD AND SILL.

BACKERBOARD INSTALLATION INSTRUCTIONS:

1. GAP AT WALLS - LEAVE A 1/4" GAP BETWEEN THE PANEL EDGES AND THE WALL.
2. GAP AT EDGES - SPACE THE PANEL EDGES ABOUT 1/8" WITH #6 COMMON NAILS.
3. USE BACKERBOARD SCREWS - 1 1/2" SCREWS FOR 1/2" BOARD. DO NOT USE ORDINARY DRYWALL SCREWS.
4. AROUND THE PERIMETER - DRIVE SCREWS EVERY 4" SPACED 1/2" FROM PANEL EDGES.
5. AT THE CORNERS - KEEP THE SCREWS 2" FROM THE INTERSECTION.
6. IN THE CENTER - SPACE THE SCREWS 6" ON-CENTER IN BOTH DIRECTIONS.
7. FILL THE JOINTS - WITH THIN-SET USING A MARGIN TROWEL. SPREAD AND SMOOTH THE MIXTURE 1 1/2" ON BOTH SIDES OF THE JOINT.
8. APPLY FIBERGLASS TAPE - TO THE JOINTS WHERE ONE OR BOTH EDGES ARE SQUARE CUT. EMBED THE TAPE FIRMLY IN THE WET THIN-SET.
9. ROUNDED PANEL EDGES - REQUIRE NO TAPE REINFORCING. SIMPLY FILL THE JOINTS WITH THIN-SET WHERE BOTH PANEL EDGES ARE UNQUIT.
10. COVER THE TAPE - WITH A SECOND APPLICATION OF THIN-SET. USE THE FLAT EDGE OF THE TROWEL TO SPREAD AND FEATHER THE MORTAR FOR A PERFECTLY FLAT SURFACE.

General Notes 03
SCALE: 3" = 1'-0"



Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**General Notes
Life Safety Plan
Basement Plan
Fire Extinguisher Cabinet Detail**

Issue Date:
November 4, 2016

Design Phrase:
Construction Documents

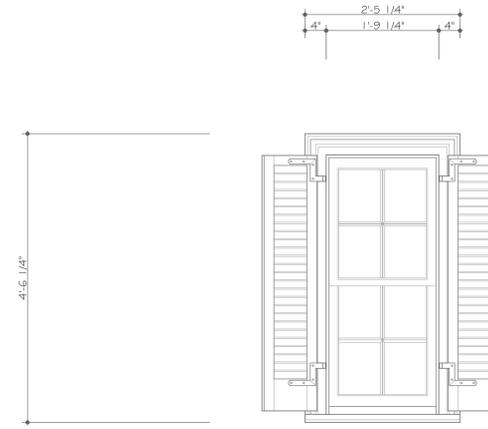
Revision Date(s):

Sheet Number:
A200

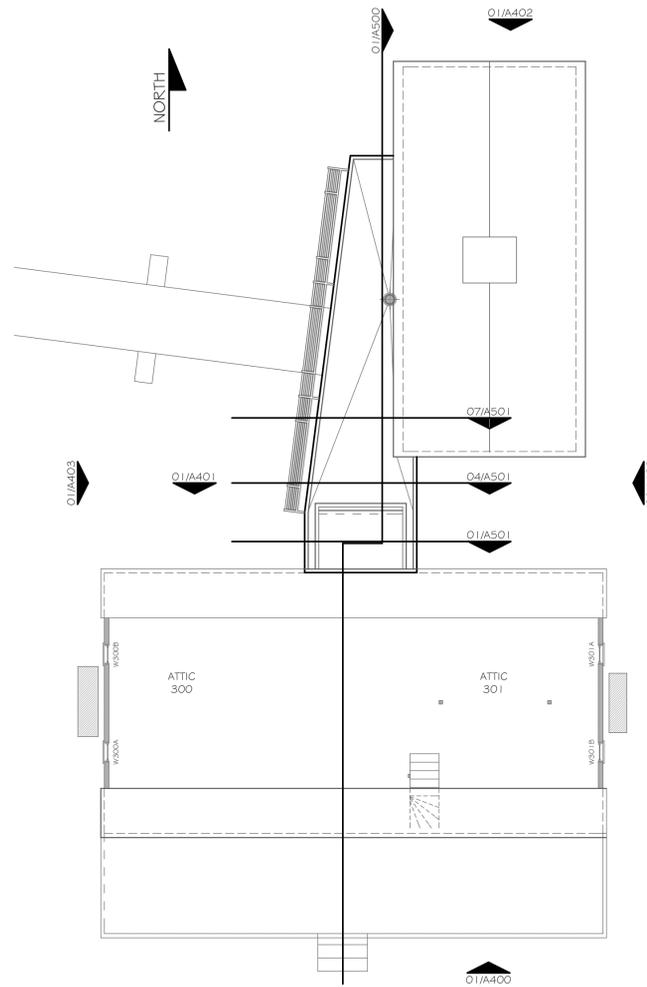
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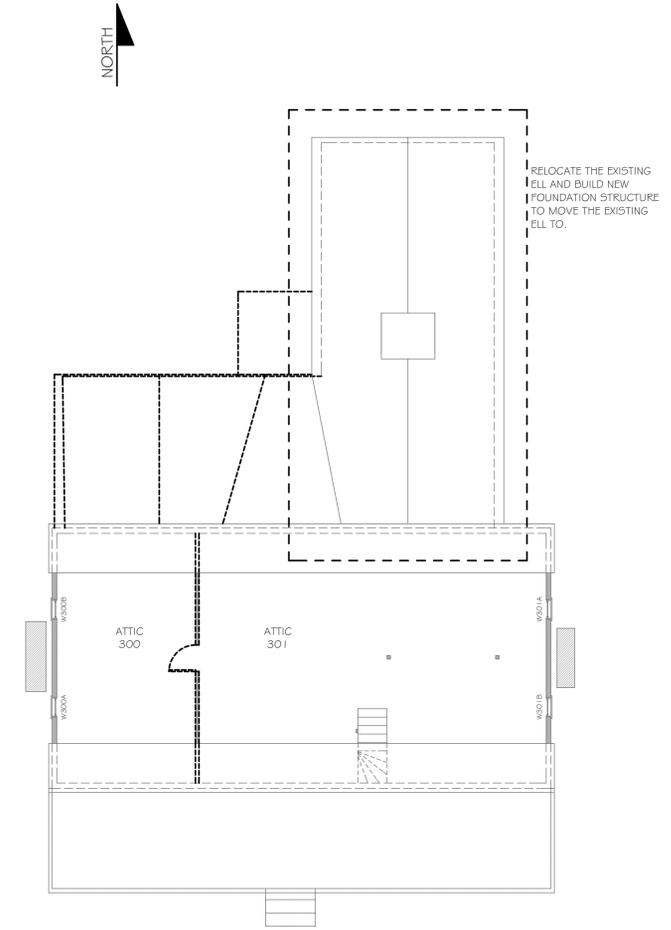
Review Set
Not For Construction



Window Elevation Attic
SCALE: 3/4" = 1'-0" 03



Attic Plan
SCALE: 1/8" = 1'-0" 04



Attic Demolition Plan
SCALE: 1/8" = 1'-0" 01

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Attic Demolition Plan
Attic Plan
Attic Window Elevation

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A203

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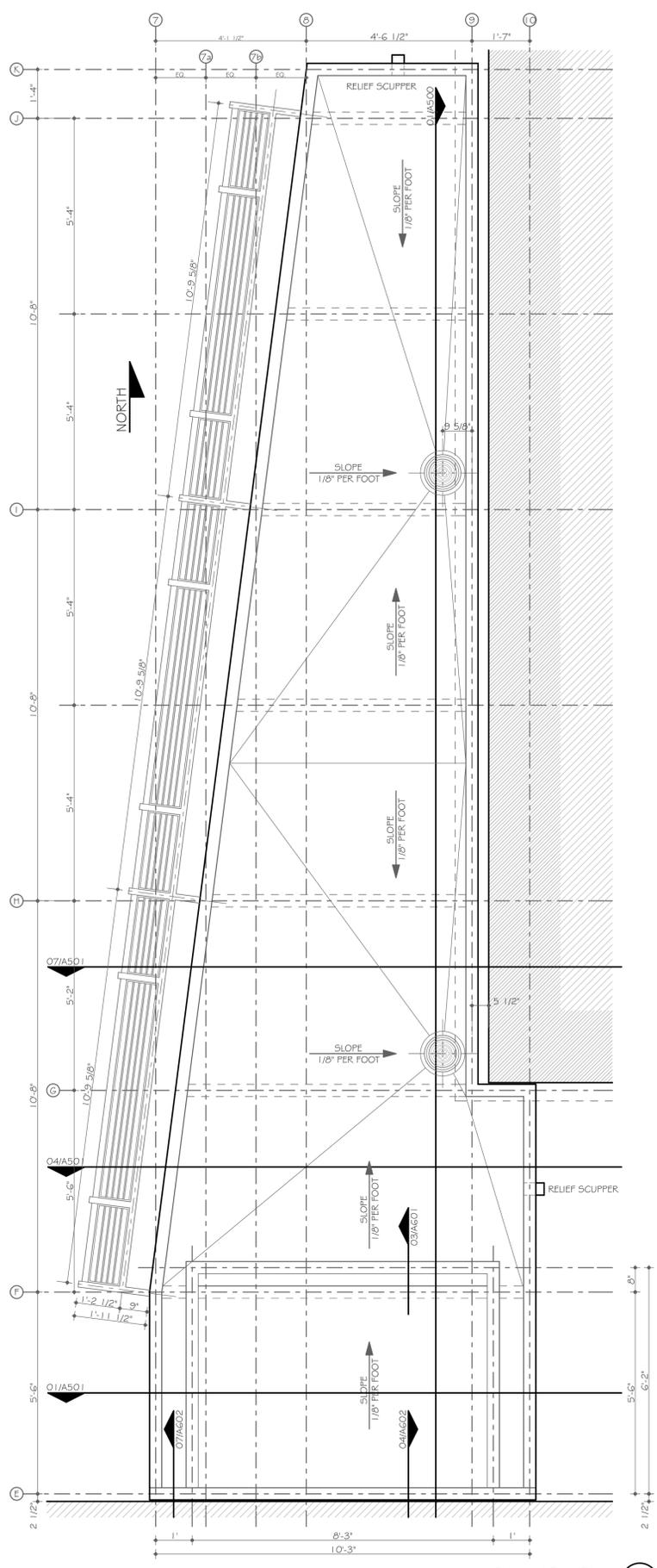
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**Roof Demolition Plan
Roof Plan
Enlarged Corridor 108 Roof Plan**

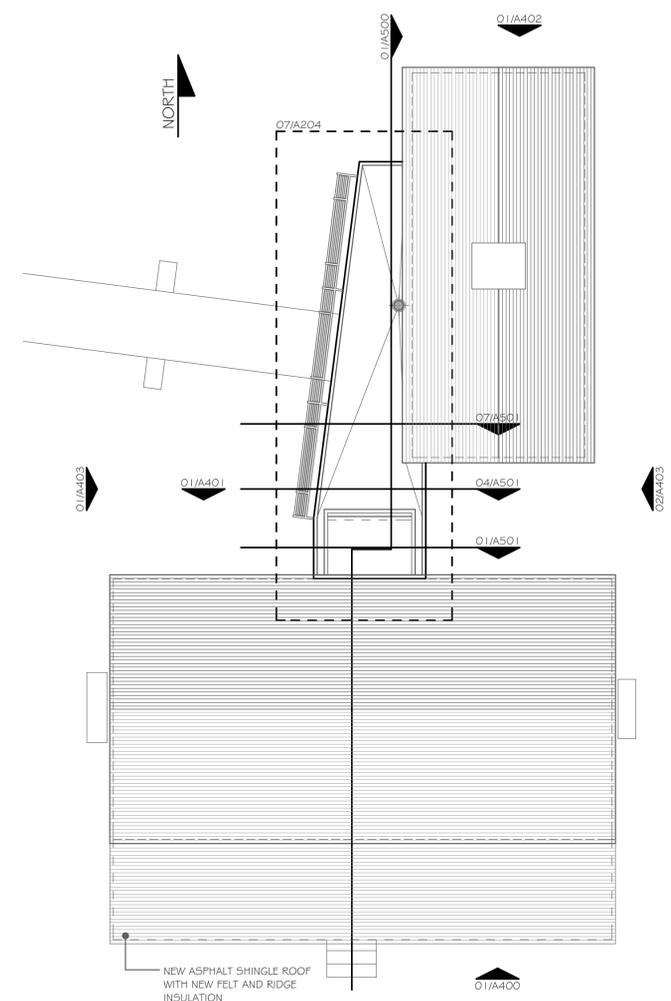
Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A204

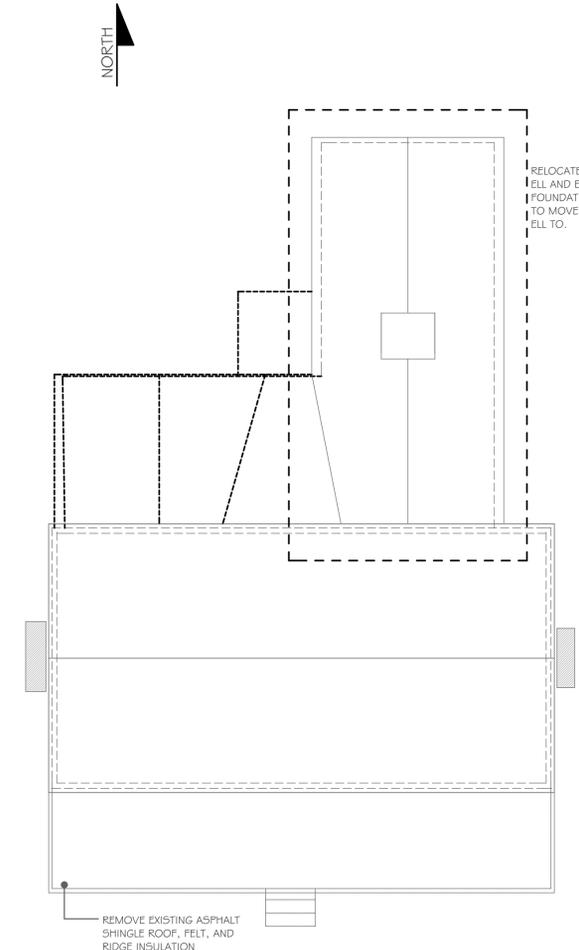
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Enlarged Roof Plan
SCALE: 1/2" = 1'-0" 07



Roof Plan
SCALE: 1/8" = 1'-0" 04



Demolition Roof Plan
SCALE: 1/8" = 1'-0" 01



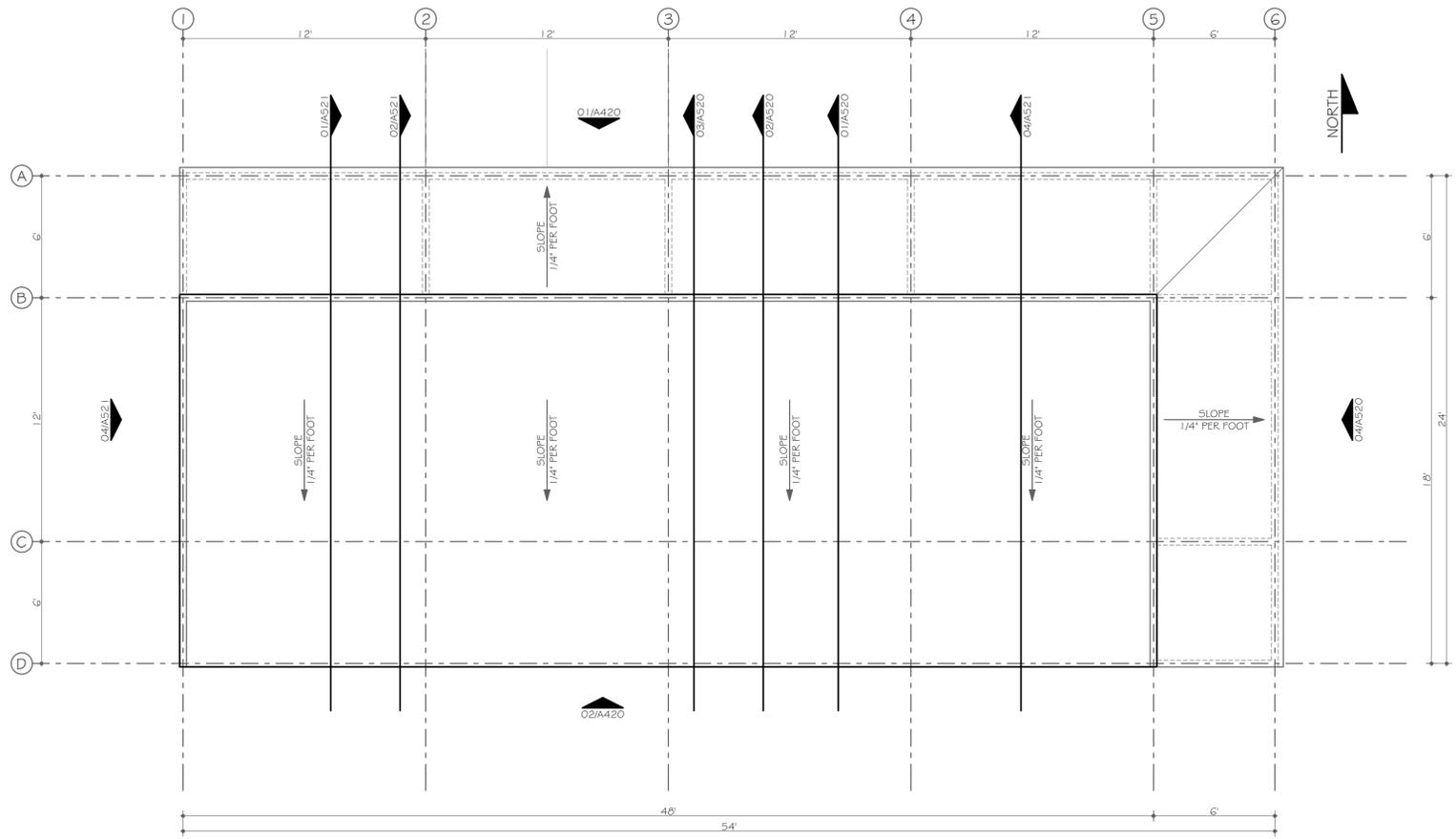
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Restroom Building Floor Plan
Restroom Building Roof Plan

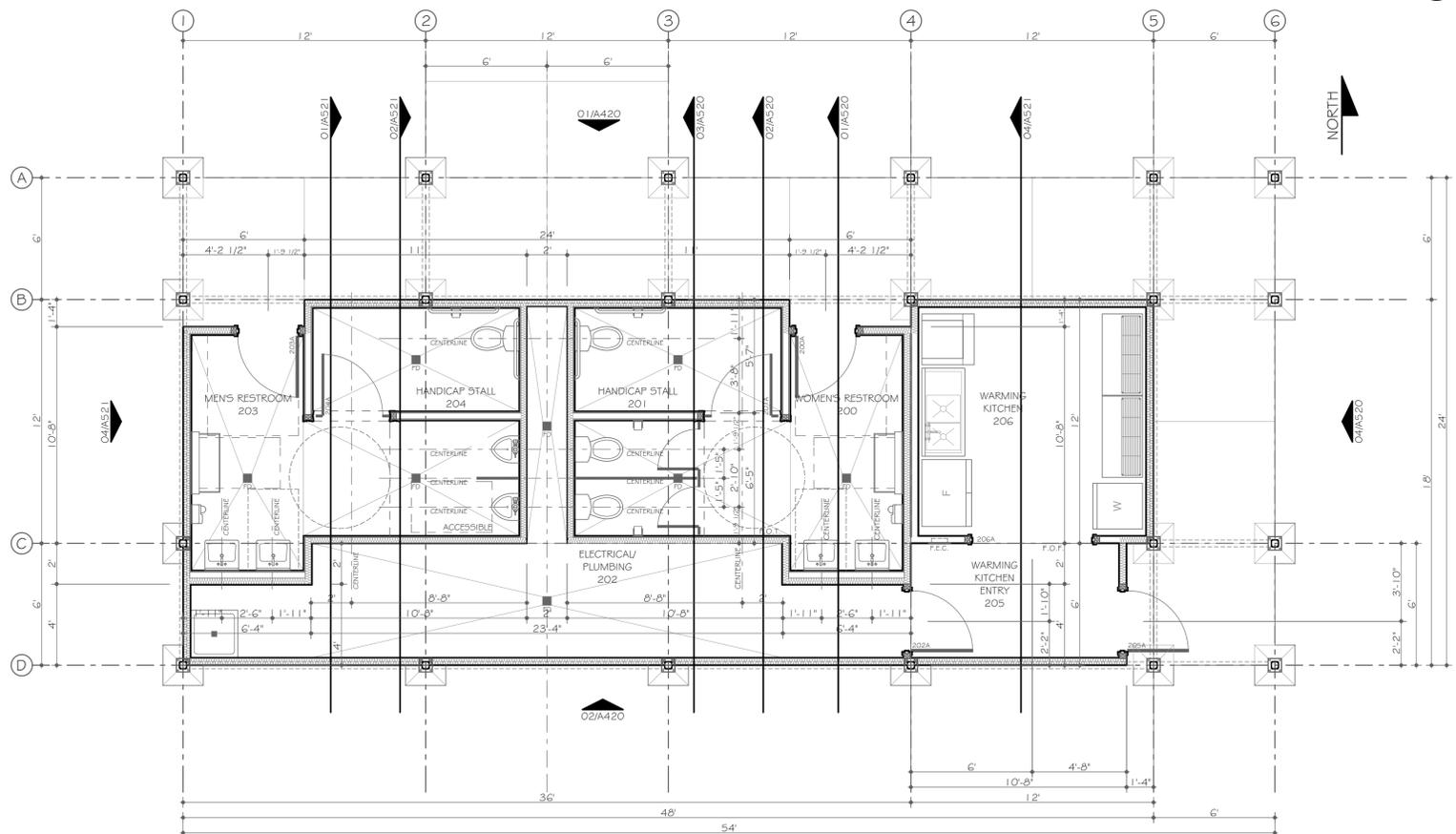
Issue Date:
November 4, 2016
Design Phase:
Construction Documents
Revision Date(s):

Sheet Number:
A220

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Roof Plan
SCALE: 1/4" = 1'-0" 01



Restroom Building Floor Plan
SCALE: 1/4" = 1'-0" 01



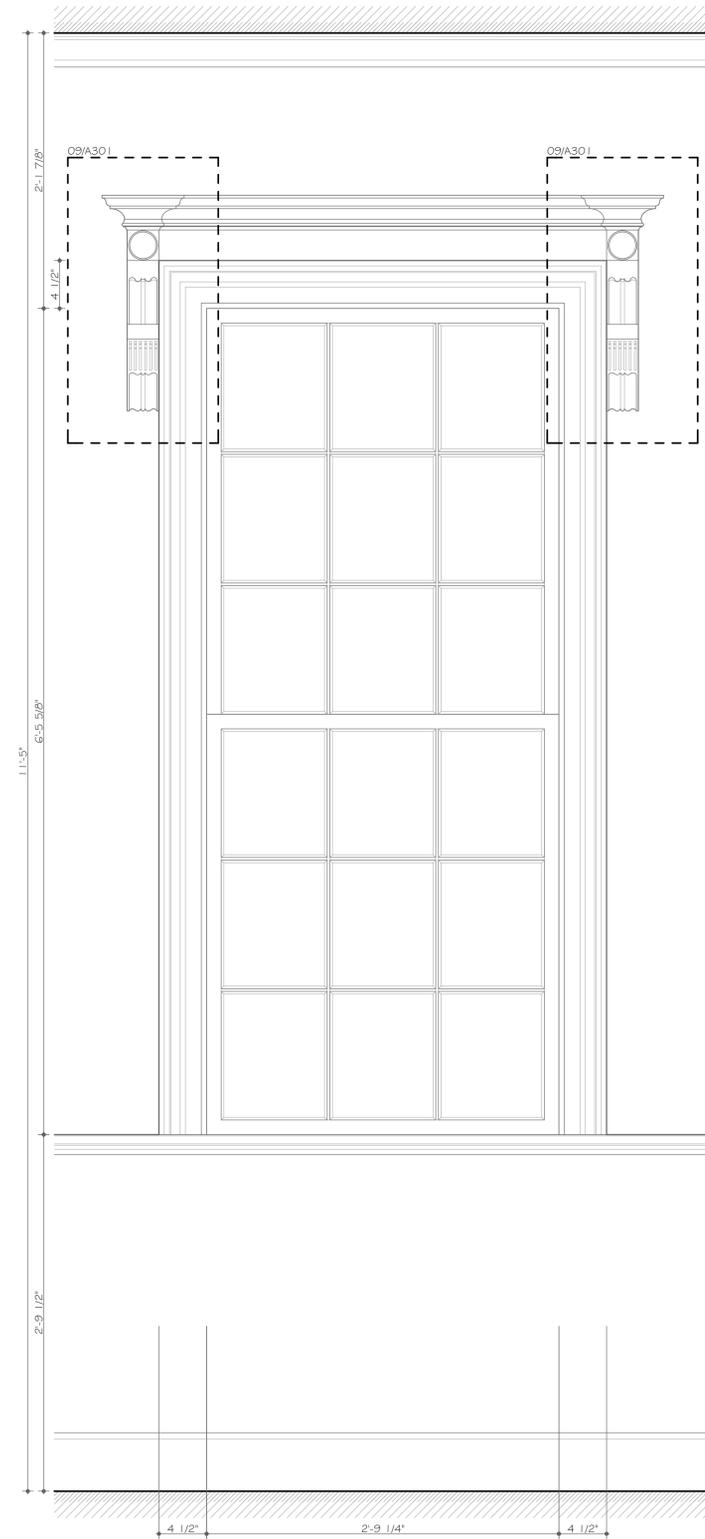
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Living Room 101 Interior Elevations
First Floor Interior Window Elevation

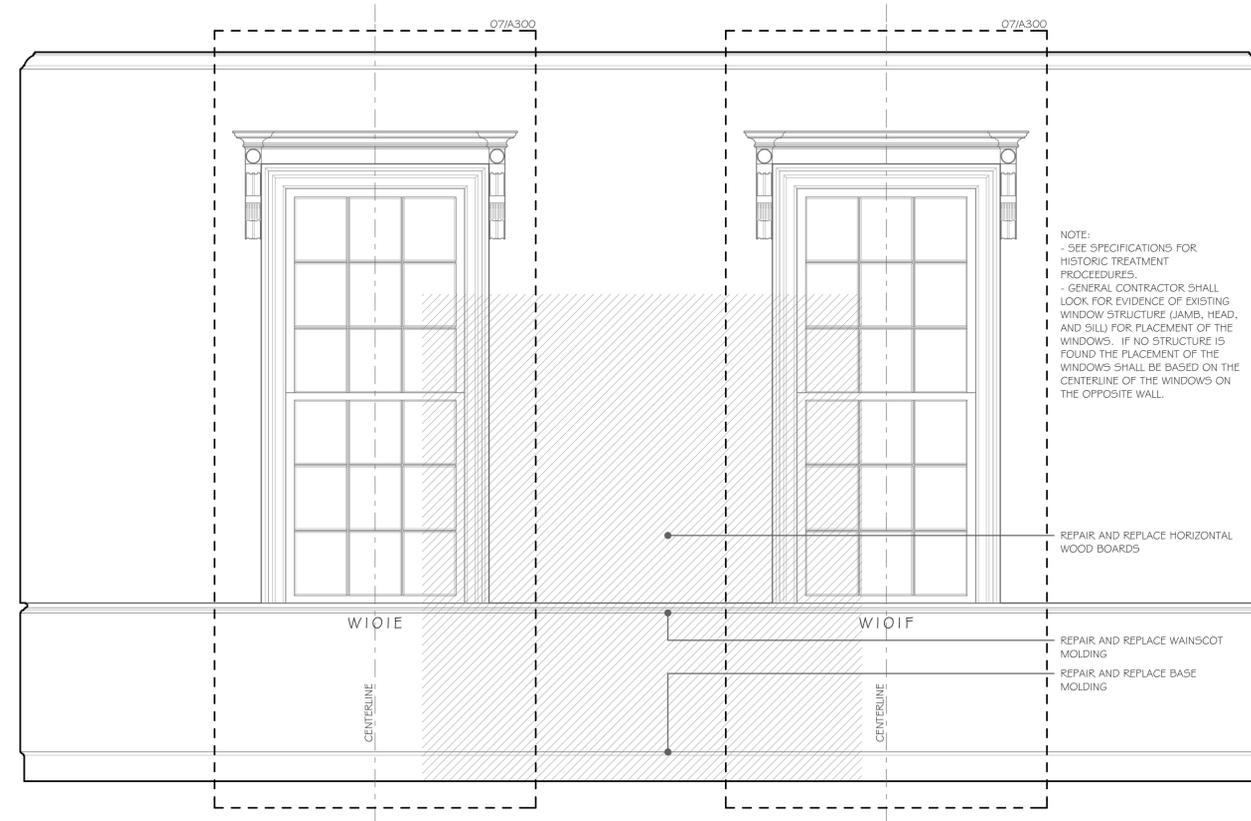
Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A300

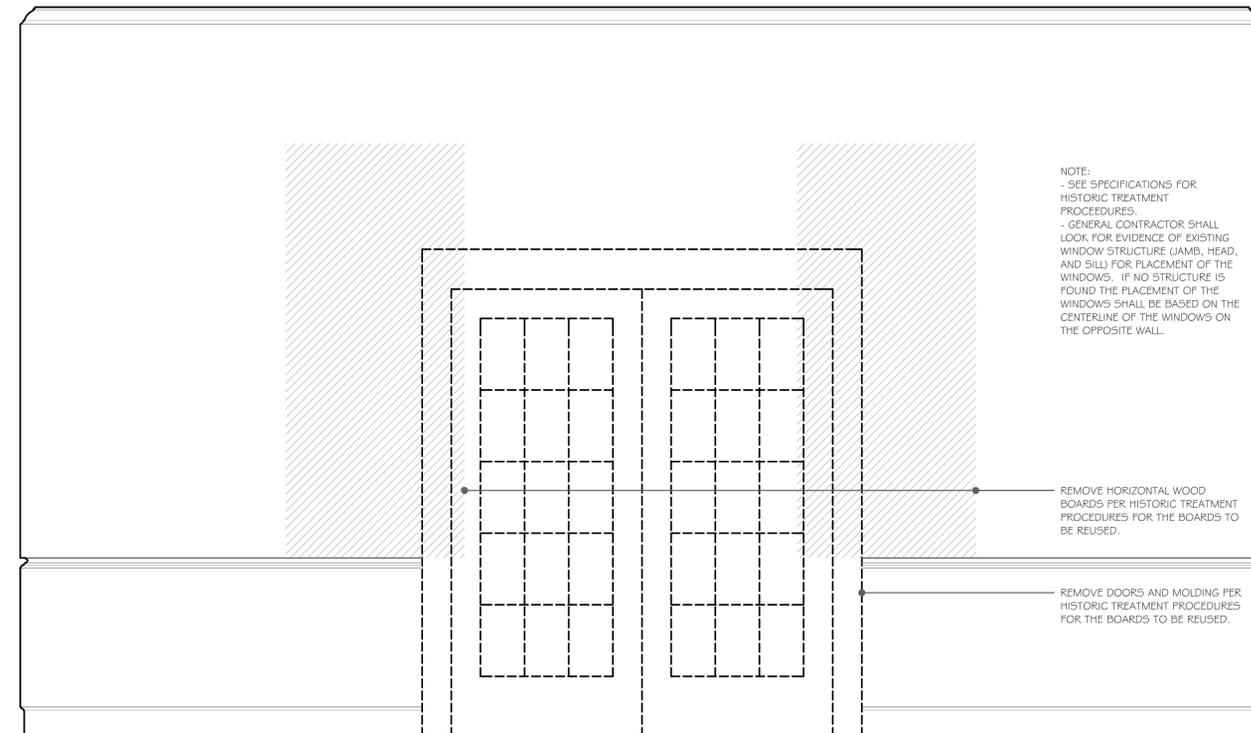
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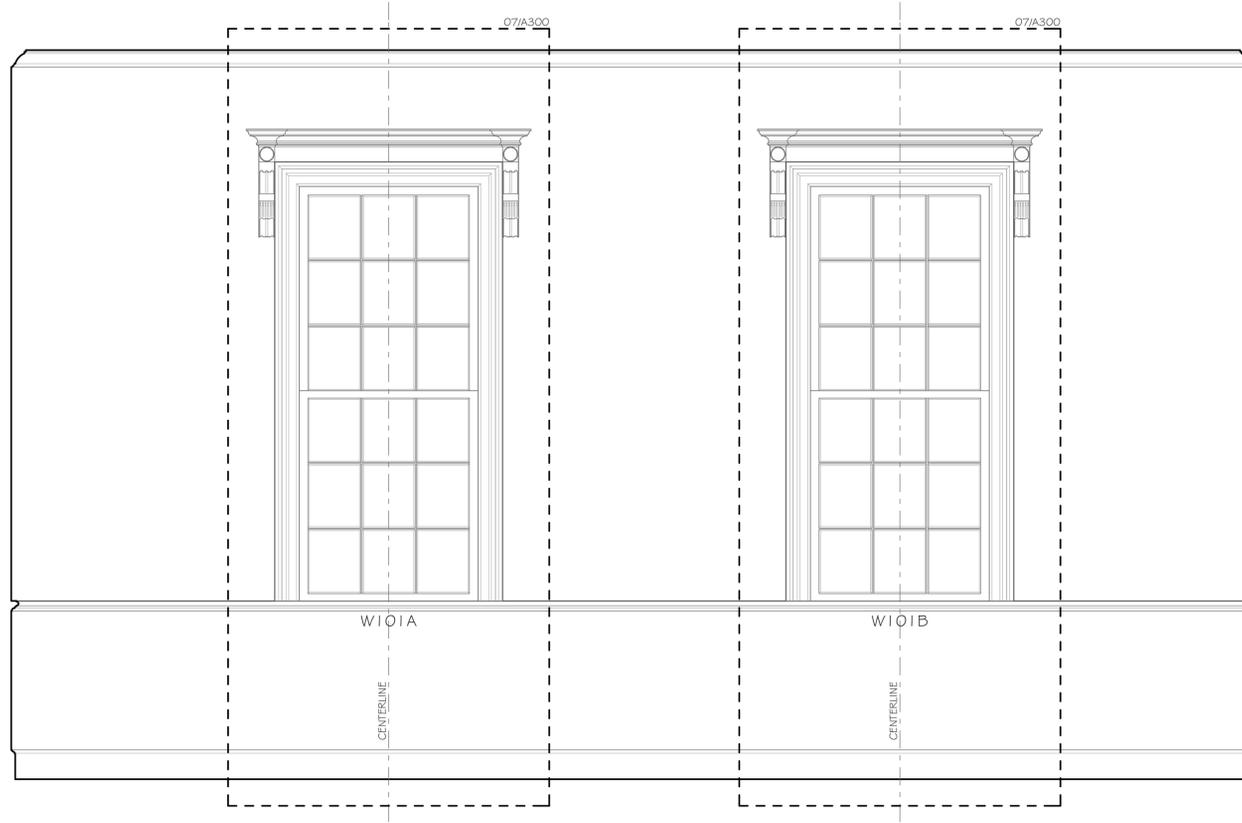
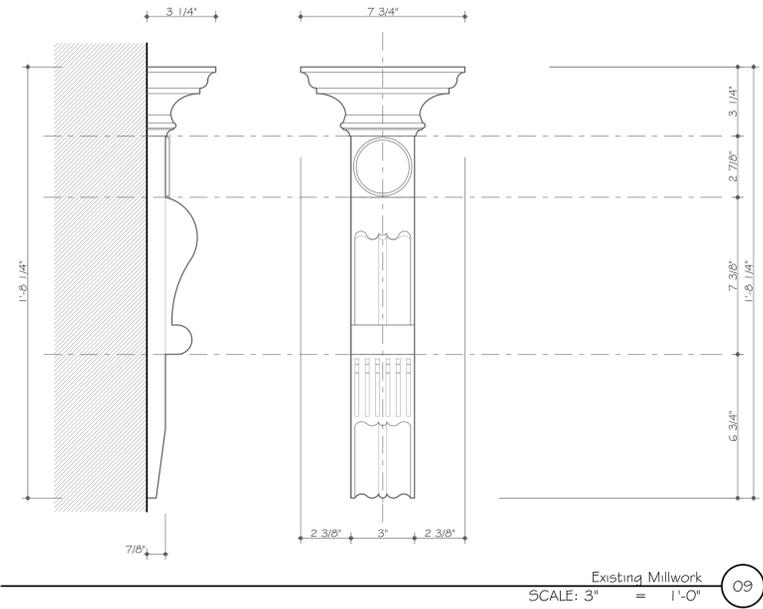
First Floor Window Elevation (Living Room)
SCALE: 1 1/2" = 1'-0" 07



New Interior Elevation (101 Living Room)
SCALE: 3/4" = 1'-0" 02



Interior Demolition Elevations (101 Living Room)
SCALE: 3/4" = 1'-0" 01



EDWIN BOULDIN ARCHITECT PA

747 SUMMIT STREET
WINSTON-SALEM, NC 27101
336.725.5386



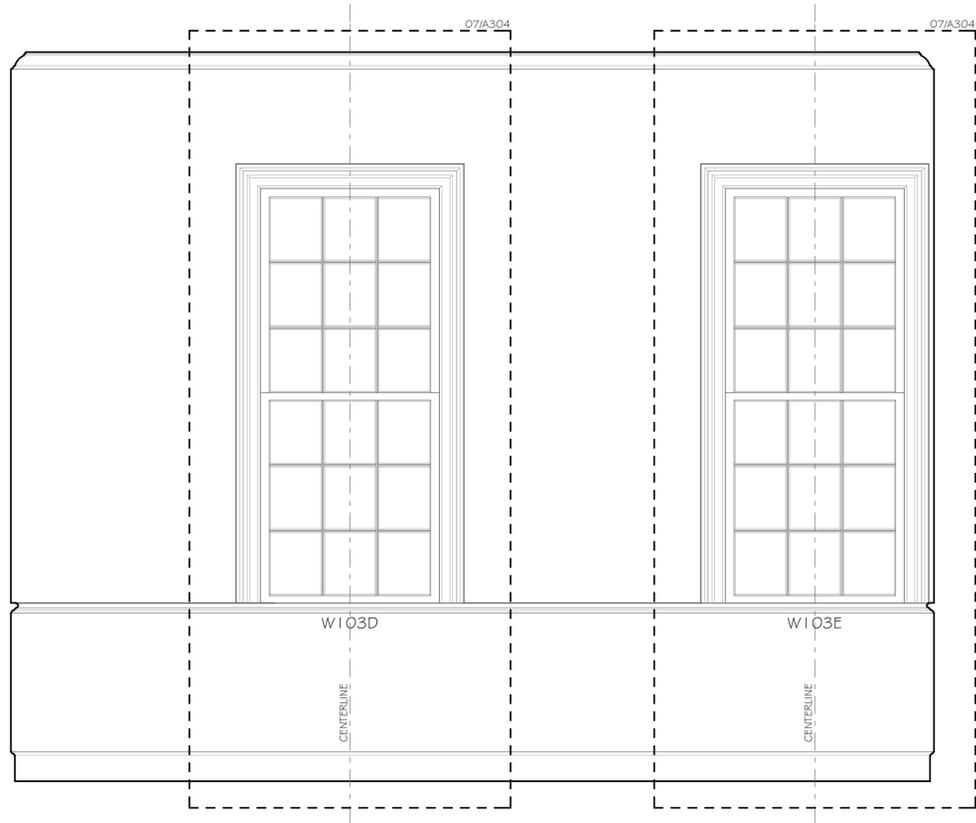
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Living Room 101 Interior Elevations

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

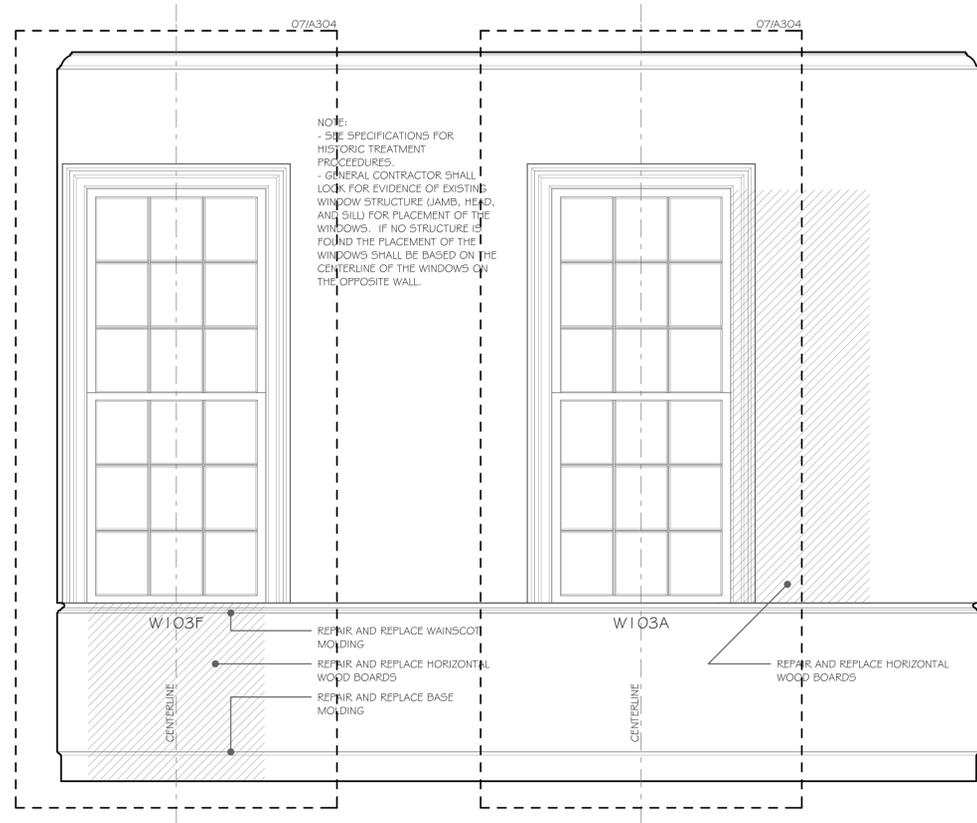
Sheet Number:
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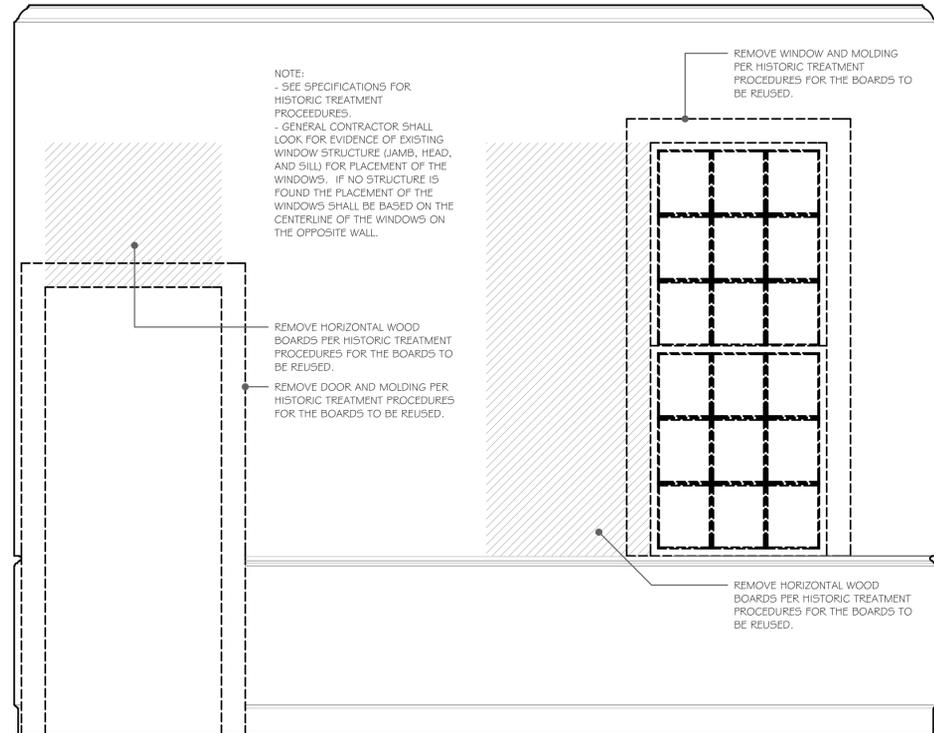
Interior Elevation (103 Moose Room)
SCALE: 3/4" = 1'-0"

03



New Interior Elevation (103 Moose Room)
SCALE: 3/4" = 1'-0"

02



Interior Demolition Elevation (103 Moose Room)
SCALE: 3/4" = 1'-0"

01

Project:

Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:

Moose Room 103 Interior Elevations

Issue Date:

November 4, 2016

Design Phrase:

Construction Documents

Revision Date(s):

Sheet Number:

A303



Project:

Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:

Moose Room 103 Interior Elevations

Issue Date:

November 4, 2016

Design Phase:

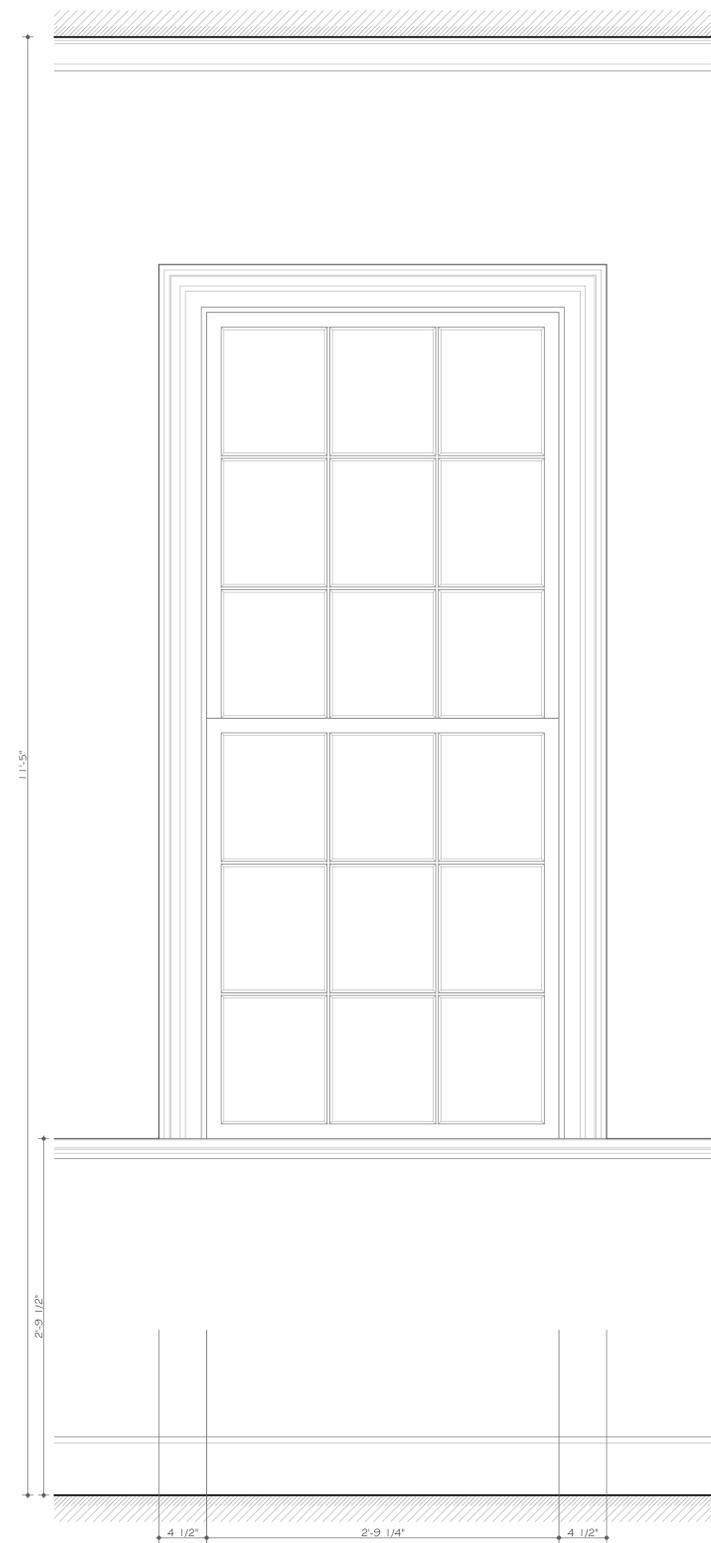
Construction Documents

Revision Date(s):

Sheet Number:

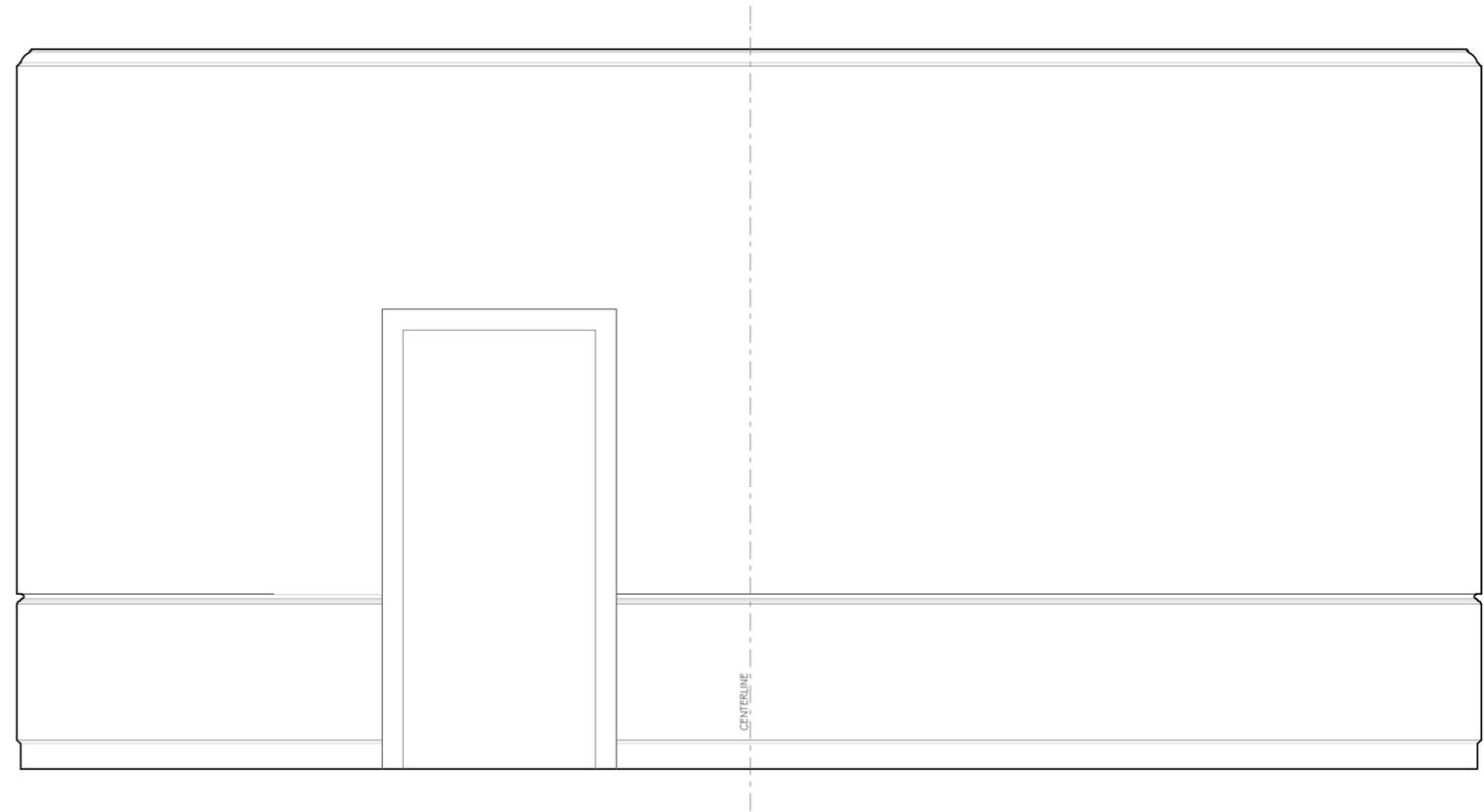
A304

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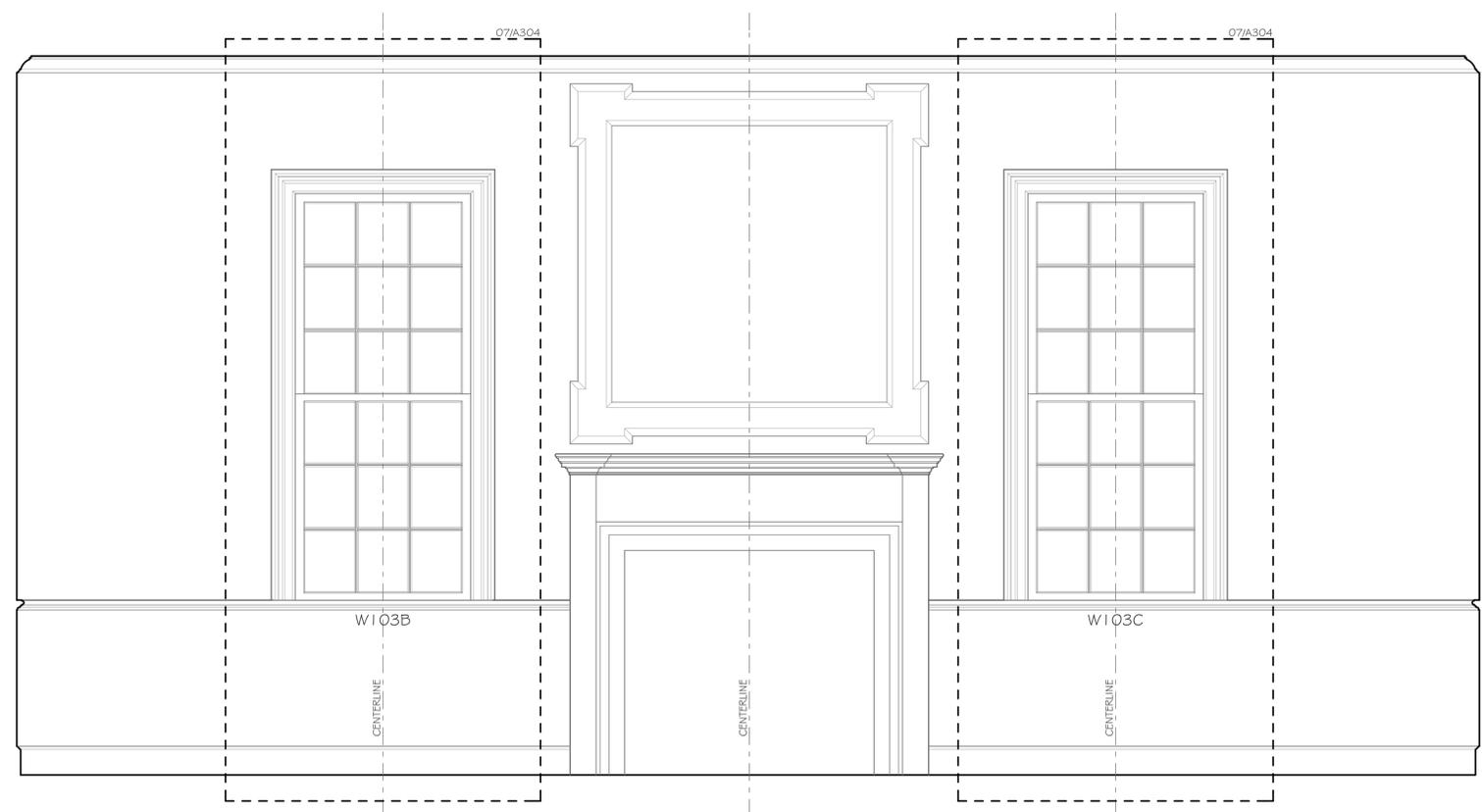
First Floor Window Elevation (Moose Room)
SCALE: 1 1/2" = 1'-0"

07



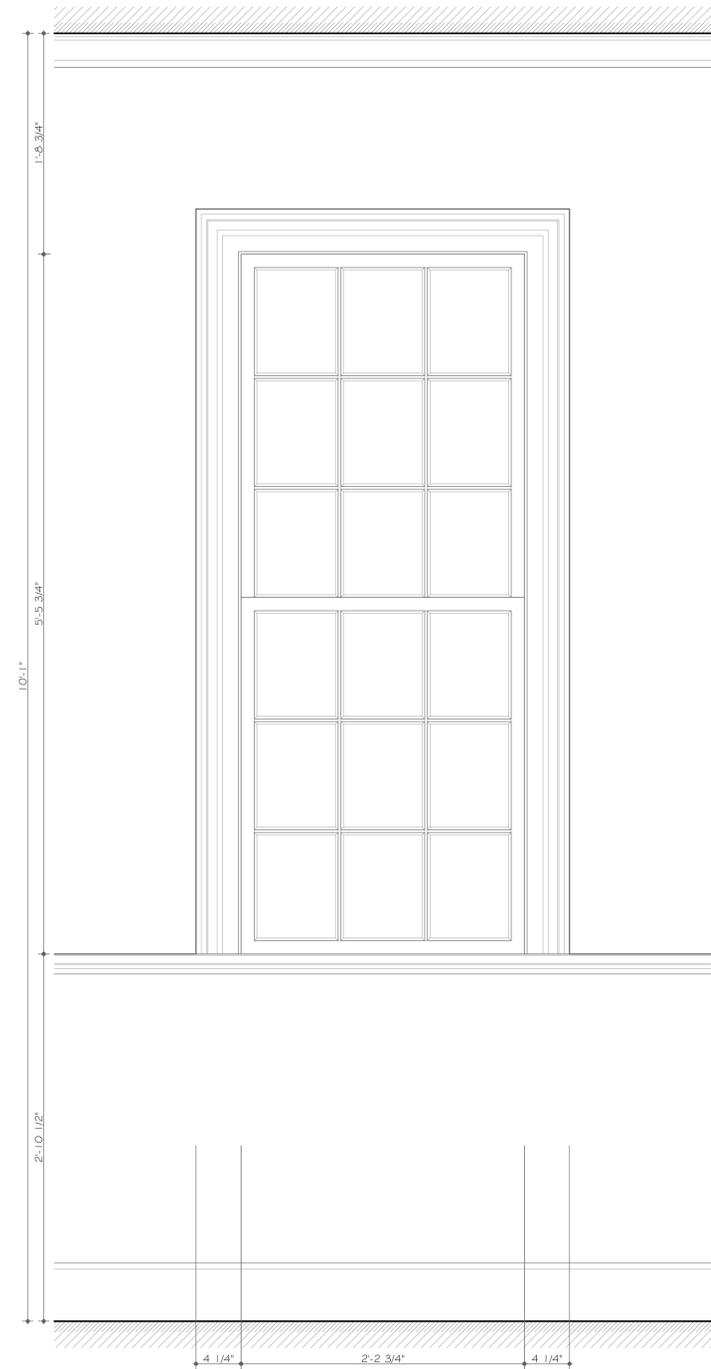
Interior Elevation
SCALE: 3/4" = 1'-0"

02

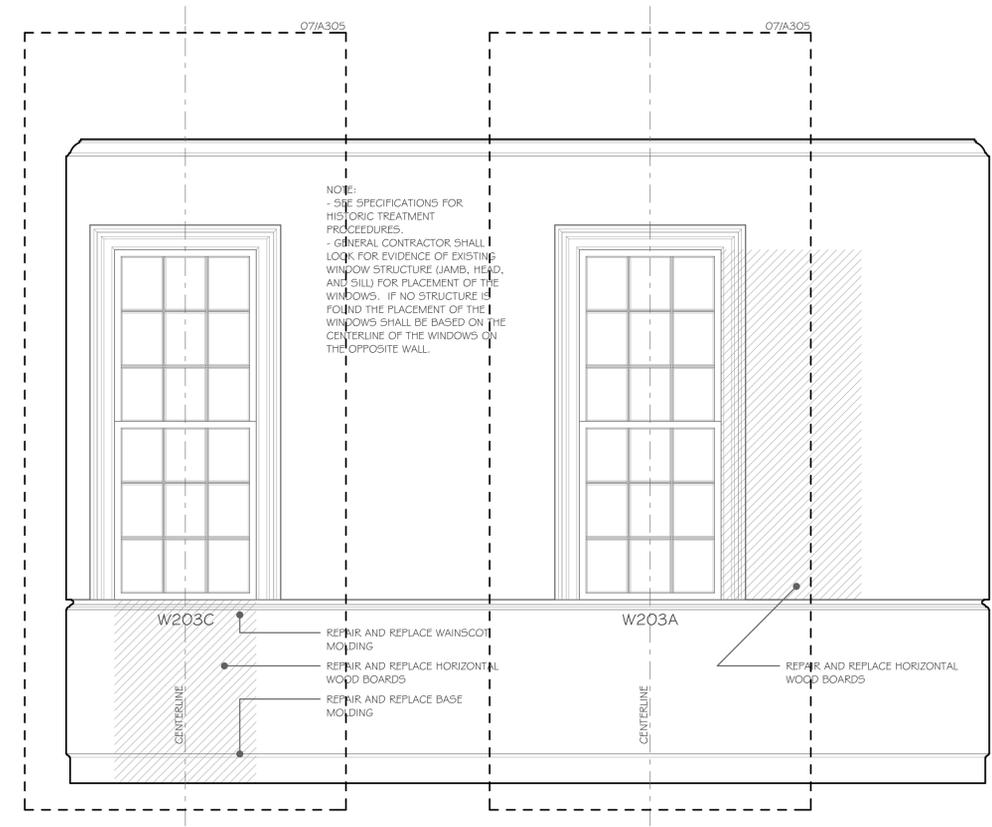


First Floor Window Elevation (Moose Room)
SCALE: 3/4" = 1'-0"

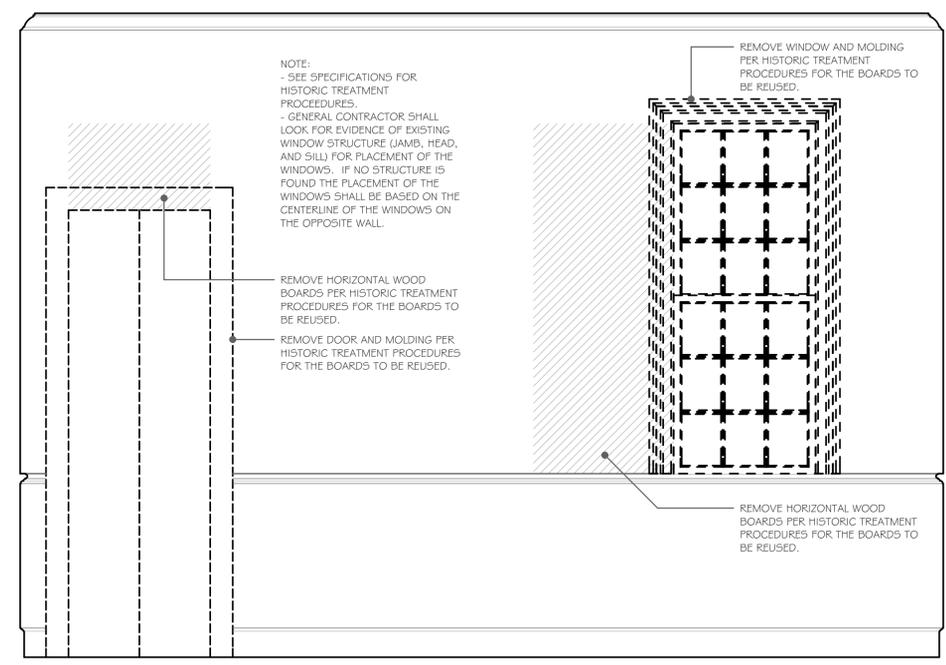
01



Second Floor Window Elevation
SCALE: 1 1/2" = 1'-0" 07



New Interior Elevation
SCALE: 3/4" = 1'-0" 02



Interior Demolition Elevation (203 Bedroom)
SCALE: 3/4" = 1'-0" 01

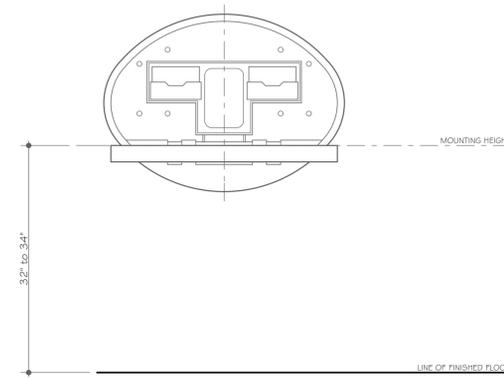
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Bedroom 203 Interior Elevations
Second Floor Interior
Window Elevation

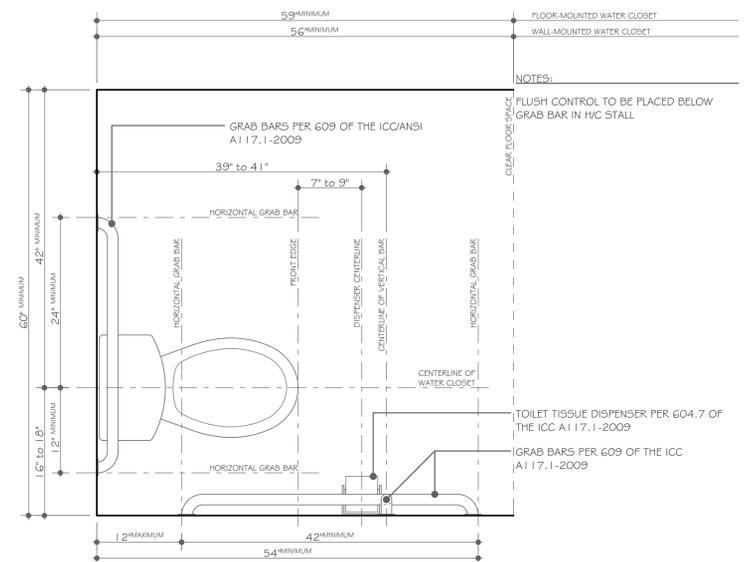
Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A305

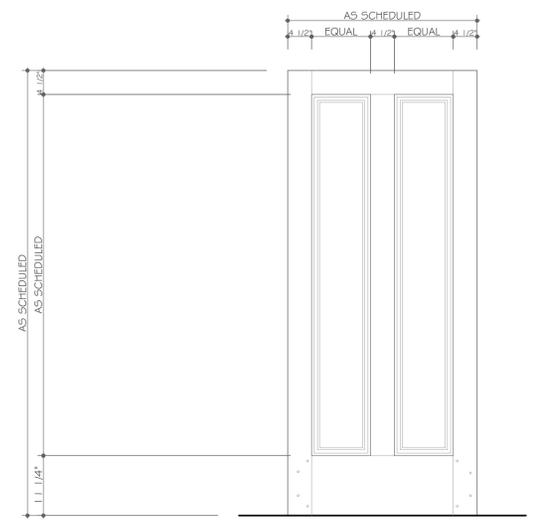
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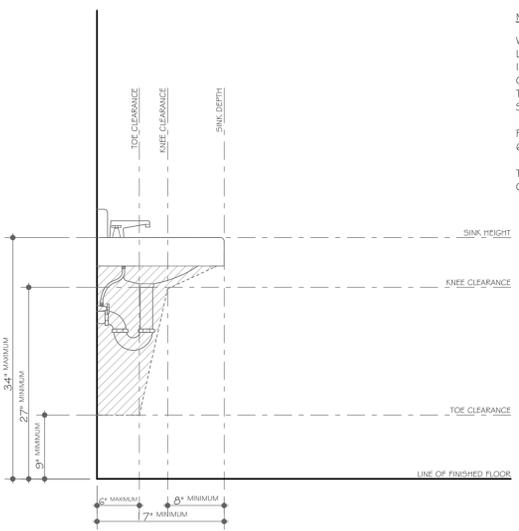
Restroom Detail 09
SCALE: 1" = 1'-0"



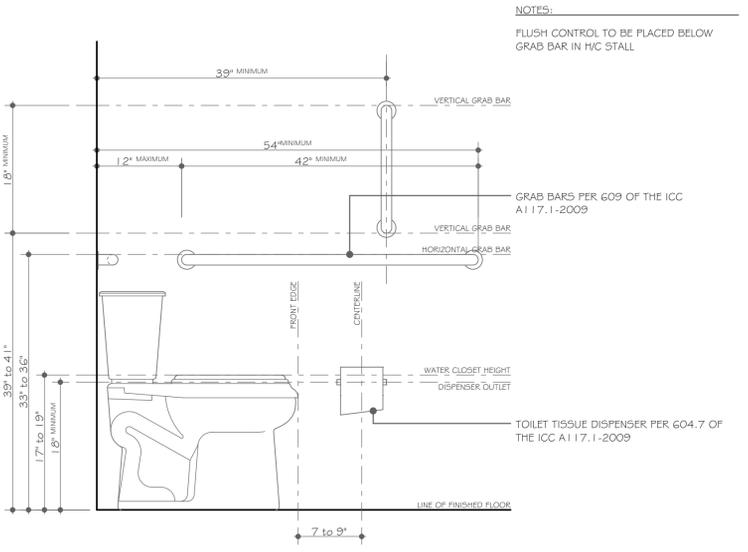
Enlarged Restroom Elevation 06
SCALE: 1" = 1'-0"



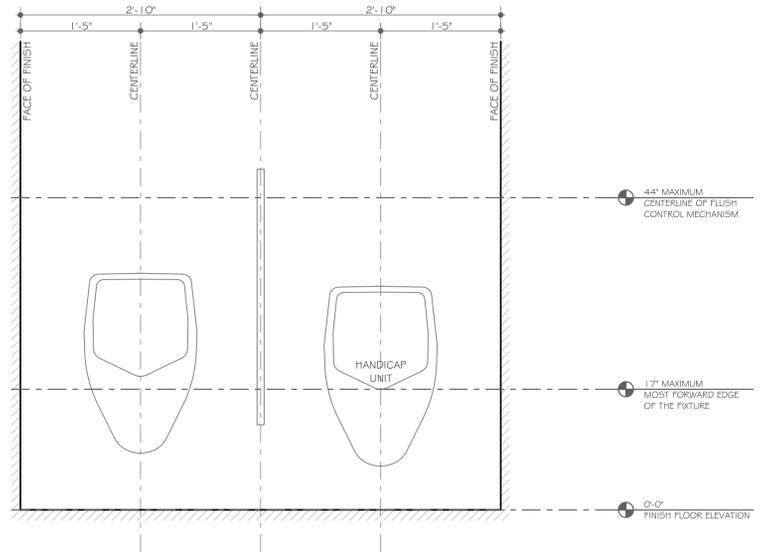
Restroom Door Elevation 03
SCALE: 3/4" = 1'-0"



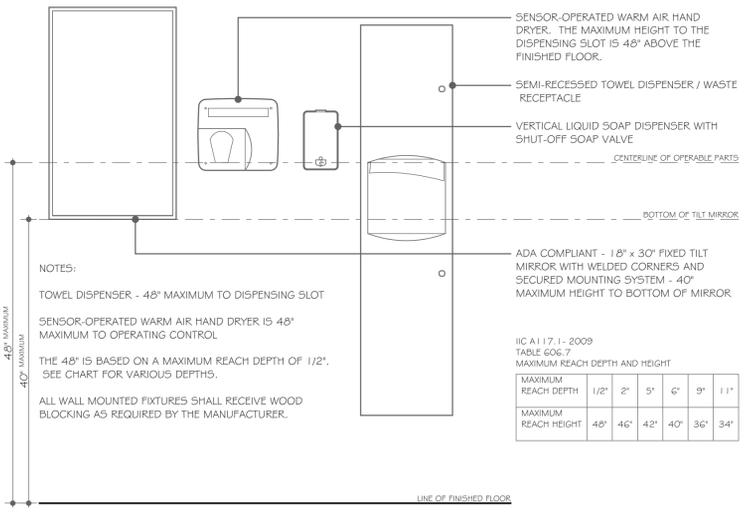
Restroom Detail 08
SCALE: 1" = 1'-0"



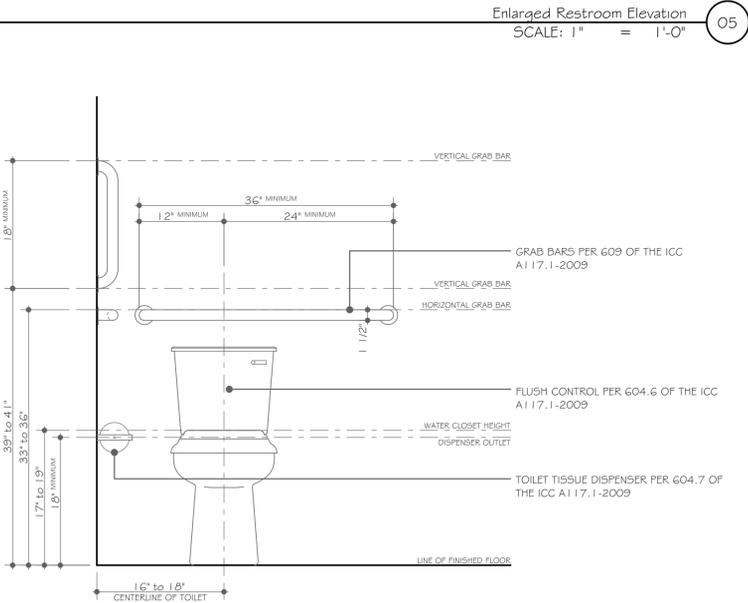
Enlarged Restroom Elevation 05
SCALE: 1" = 1'-0"



Enlarged Restroom Elevation 02
SCALE: 1" = 1'-0"



Restroom Detail 07
SCALE: 1" = 1'-0"



Enlarged Restroom Elevation 04
SCALE: 1" = 1'-0"

RESTROOM FIXTURE SCHEDULE

- 1 WALL-MOUNTED CAST IRON LAVATORY WITH DECK MOUNTED METERING FAUCET.
- 1H ADA/ATSA COMPLIANT - WALL-MOUNTED CAST IRON LAVATORY 36" MAXIMUM HANDICAP HEIGHT WITH DECK MOUNTED METERING FAUCET.
- 2H ADA COMPLIANT - SEMI-RECESSED TOWEL DISPENSER/WASTE RECEPTACLE WITH A 48" MAXIMUM HEIGHT TO DISPENSING SLOT.
- 3 18" x 30" FIXED TILT MIRROR WITH WELDED CORNERS AND SECURED MOUNTING SYSTEM. 40" MAXIMUM HEIGHT TO BOTTOM OF MIRROR.
- 3H ADA COMPLIANT - 18" x 30" FIXED TILT MIRROR WITH WELDED CORNERS AND SECURED MOUNTING SYSTEM. 40" MAXIMUM HEIGHT TO BOTTOM OF MIRROR.
- 4H ADA COMPLIANT - VERTICAL TANK TYPE SURFACE MOUNTED SOAP DISPENSER. 48" MAXIMUM HEIGHT TO DISPENSING SLOT.
- 5 FLOOR MOUNTED TANK SYSTEM WATERCLOSET
- 5H ADA COMPLIANT - FLOOR MOUNTED TANK SYSTEM WATERCLOSET
- 6 WALL HUNG WATERLESS URINAL
- 6H ADA COMPLIANT - WALL HUNG HANDICAP WATERLESS URINAL
- 7H ADA COMPLIANT - GRAB BARS IN HANDICAP STALL
- 8 TOILET TISSUE (ROLL) DISPENSER
- 8H ADA COMPLIANT - TOILET TISSUE (ROLL) DISPENSER
- 9 SANITARY-NAPKIN DISPOSAL UNIT
- 9H ADA COMPLIANT - SANITARY-NAPKIN DISPOSAL UNIT
- 10H ADA COMPLIANT - SURFACE MOUNTED BABY CHANGING STATION
- 11H ADA COMPLIANT - SURFACE MOUNTED/SENSOR OPERATED WARM AIR HAND DRYER
- 13 8" x 62" 1/8 GAUGE STAINLESS STEEL SURFACED MOUNTED SHELF
- 14 MOLDED STONE MOP SERVICE BASIN WITH WALL MOUNTED METERING FAUCET, HOSE AND MOP BRACKETS.

*** REFER TO THE ICC A117.1-2009 CODE BOOK FOR FURTHER INFORMATION.

REFLECTED CEILING PLAN SCHEDULE

- Ⓛ EMERGENCY BATTERY OPERATED LIGHT--SEE ELECTRICAL DRAWINGS
- ☼ SMOKE DETECTOR--SEE ELECTRICAL DRAWINGS
- Ⓜ CEILING MOUNTED INCANDESCENT, COMPACT FLUORESCENT OR HID LIGHT--SEE ELECTRICAL DRAWINGS
- Ⓧ EXIT LIGHT--SEE ELECTRICAL DRAWINGS
- Ⓨ 2x4' FLUORESCENT LIGHT FIXTURE--SEE ELECTRICAL DRAWINGS
- Ⓩ FLUORESCENT LIGHT FIXTURE--SEE ELECTRICAL DRAWINGS
- ⓐ OCCUPANCY SENSORS--SEE ELECTRICAL DRAWINGS
- ⓑ MECHANICAL GRILL--SEE MECHANICAL DRAWINGS
- ⓓ MECHANICAL GRILL--SEE MECHANICAL DRAWINGS
- ⓔ MECHANICAL GRILL--SEE MECHANICAL DRAWINGS

Restroom Schedule 01
SCALE: 1" = 1'-0"

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Restroom Details

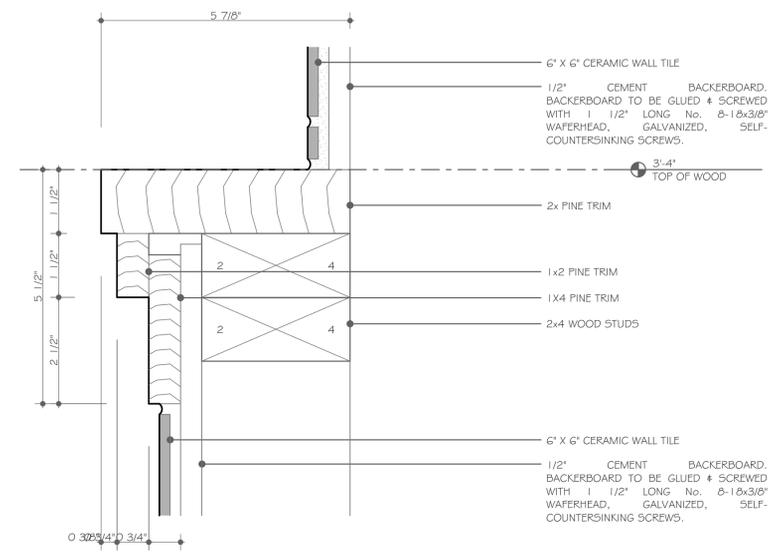
Issue Date:
November 4, 2016

Design Phrase:
Construction Documents

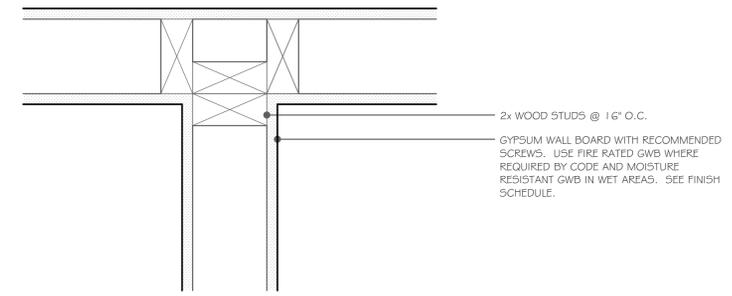
Revision Date(s):

Sheet Number:
A320

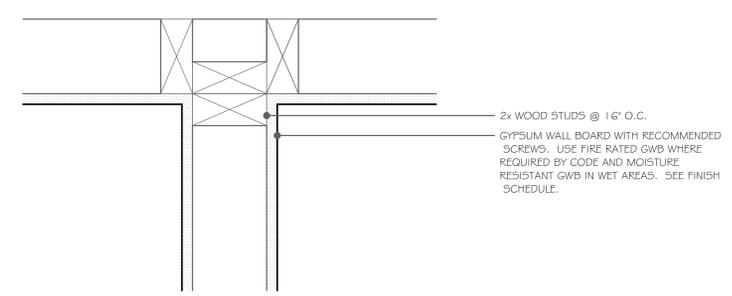
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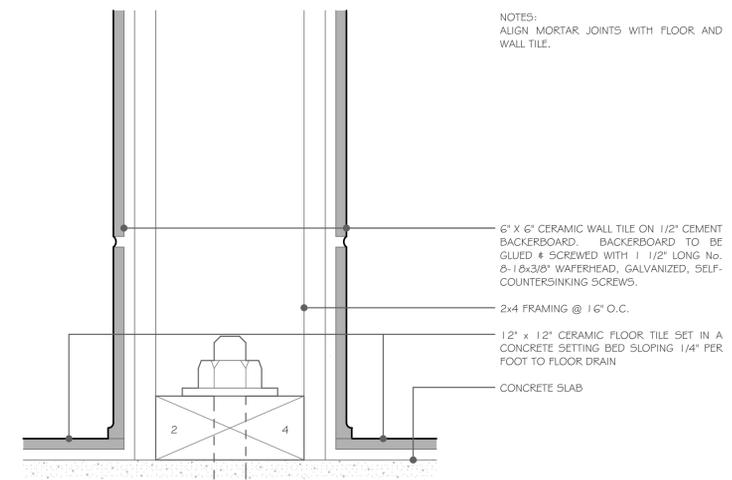
Wall Detail 09
SCALE: 6" = 1'-0"



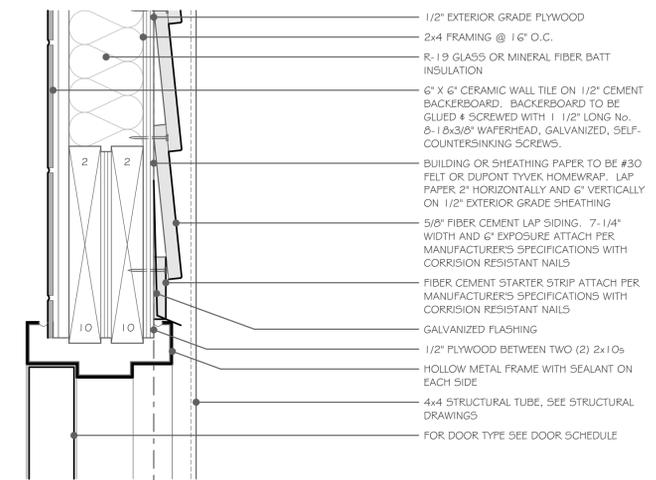
Enlarged Wall Detail 06
SCALE: 3" = 1'-0"



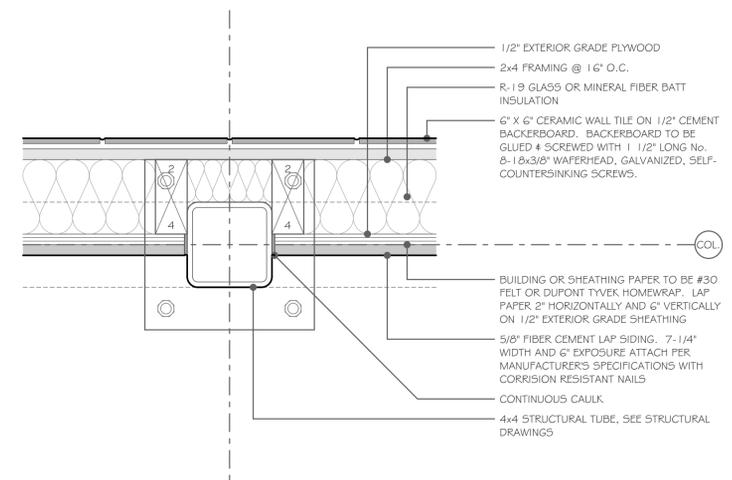
Enlarged Wall Detail 03
SCALE: 3" = 1'-0"



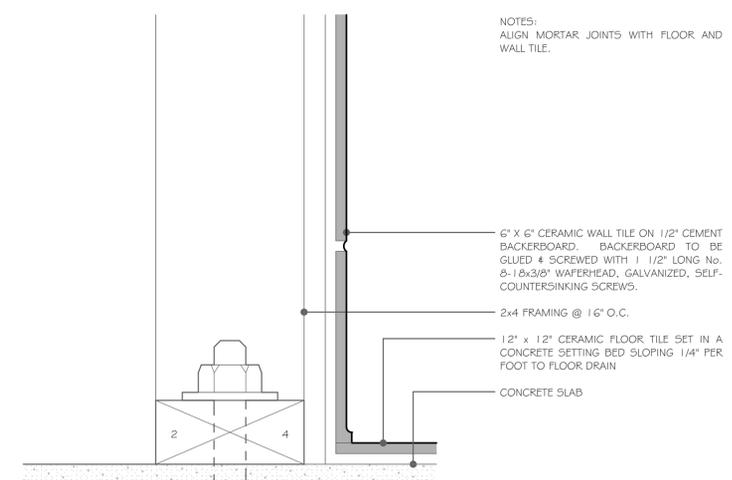
Tile Detail 08
SCALE: 6" = 1'-0"



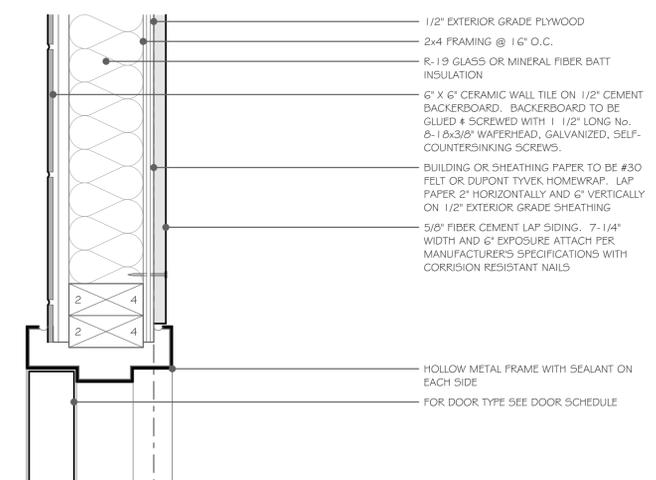
Door Head Detail 05
SCALE: 3" = 1'-0"



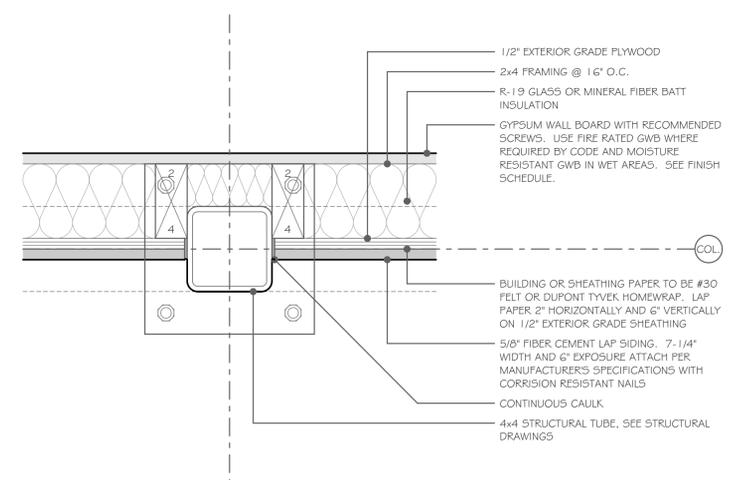
Wall Plan Detail 03
SCALE: 3" = 1'-0"



Tile Detail 07
SCALE: 6" = 1'-0"



Door Jamb Detail 04
SCALE: 3" = 1'-0"



Wall Plan Detail 01
SCALE: 3" = 1'-0"

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Restroom Building Details

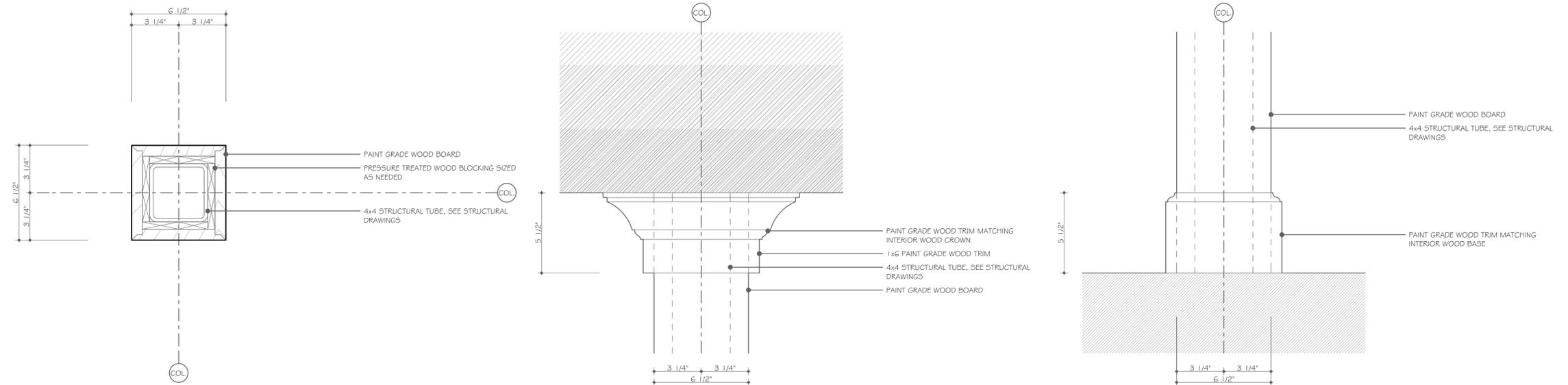
Issue Date:
November 4, 2016

Design Phase:
Construction Documents

Revision Date(s):

Sheet Number:
A321

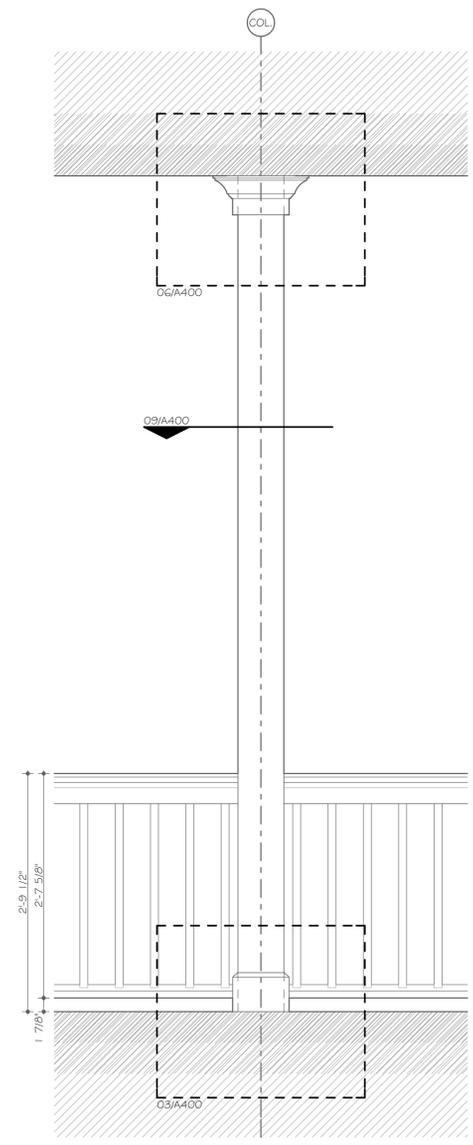
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Column Plan Detail
SCALE: 3" = 1'-0" 09

Column Crown Detail
SCALE: 3" = 1'-0" 06

Column Base Detail
SCALE: 3" = 1'-0" 03



Front Porch Column Elevation
SCALE: 1" = 1'-0" 07

- NOTES:
1. REPLACE ALL ROTTEN SIDING MATCHING SIZE AND SHAPE.
 2. REPLACE ALL SIDING ON THE REAR ELEVATION OF THE MAIN HOUSE MATCHING SIZE AND SHAPE.
 3. REPLACE ALL MISSING SIDING MATCHING SIZE AND SHAPE.
 4. REPAIR ALL WINDOW FRAME ROT PER SPECIFICATIONS.
 5. REPAIR ALL MISSING MORTAR JOINTS.



Exterior Front Elevation
SCALE: 1/4" = 1'-0" 01

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Exterior Elevation
Front Porch Column Elevation
Front Porch Column Details

Issue Date:
November 4, 2016

Design Phrase:
Construction Documents

Revision Date(s):

Sheet Number:
A400

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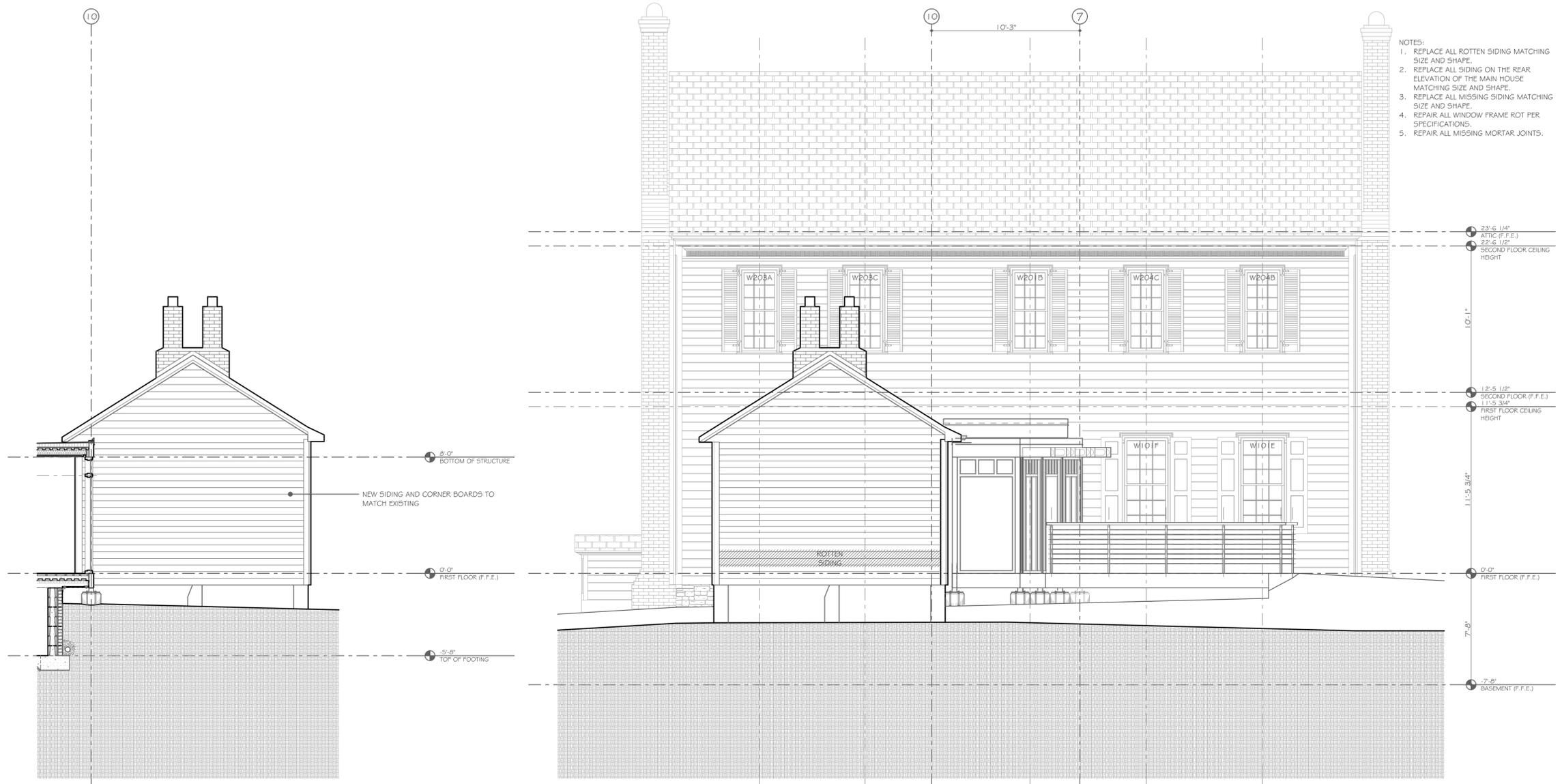
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Exterior Elevations

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A402

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- NOTES:
1. REPLACE ALL ROTTEN SIDING MATCHING SIZE AND SHAPE.
 2. REPLACE ALL SIDING ON THE REAR ELEVATION OF THE MAIN HOUSE MATCHING SIZE AND SHAPE.
 3. REPLACE ALL MISSING SIDING MATCHING SIZE AND SHAPE.
 4. REPAIR ALL WINDOW FRAME ROT PER SPECIFICATIONS.
 5. REPAIR ALL MISSING MORTAR JOINTS.

Exterior Elevation
SCALE: 1/4" = 1'-0" 07

Exterior Elevation
SCALE: 1/4" = 1'-0" 01



Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Exterior Elevation

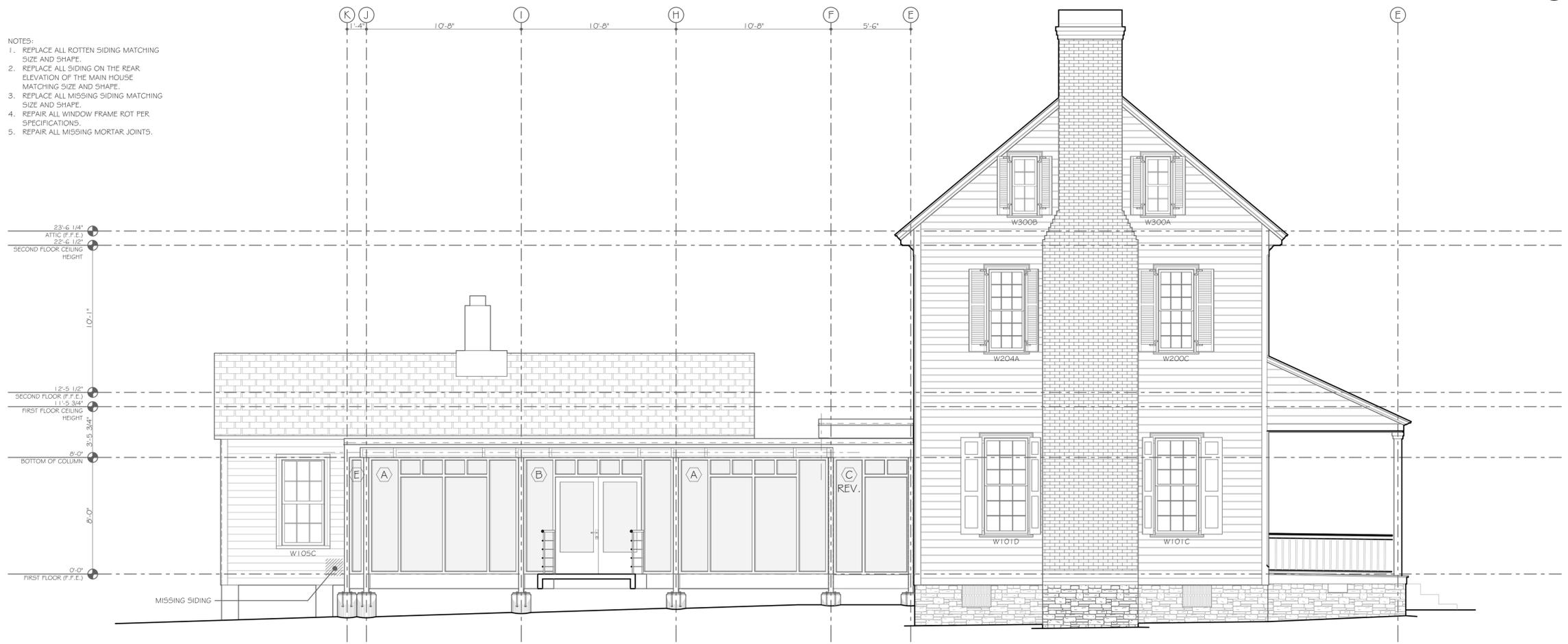
Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A403

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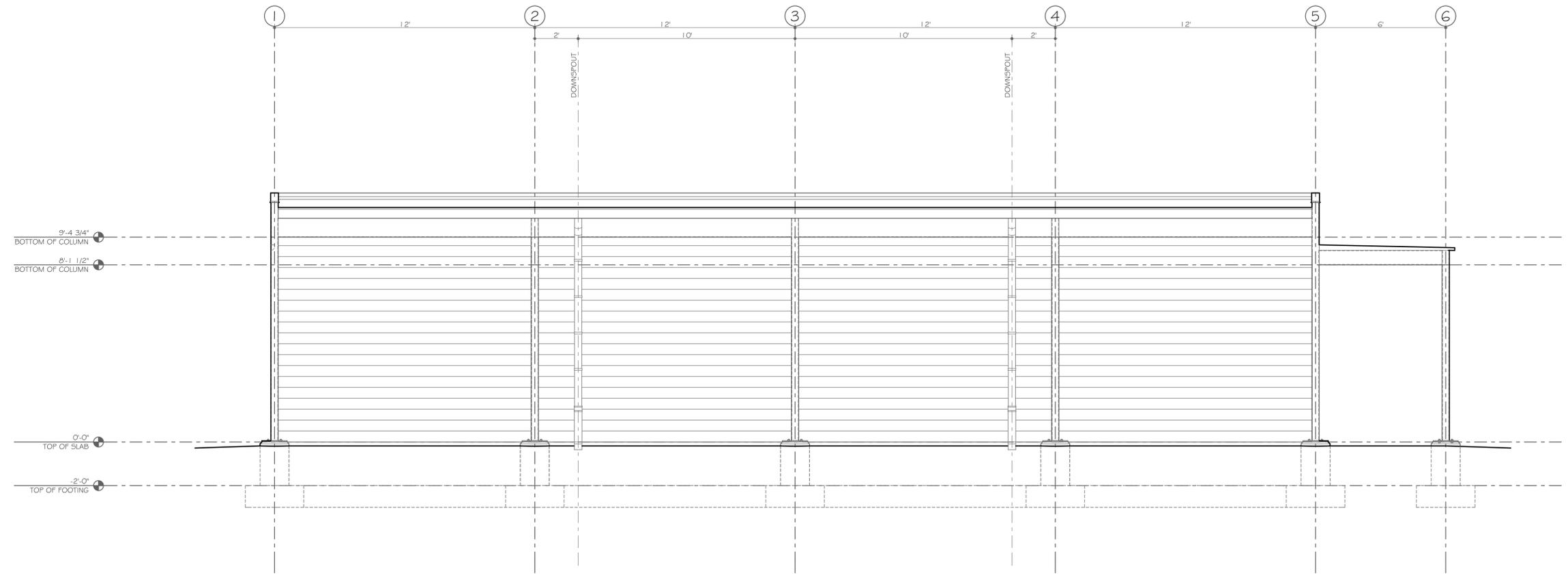
Exterior Elevation
SCALE: 1/4" = 1'-0" 02



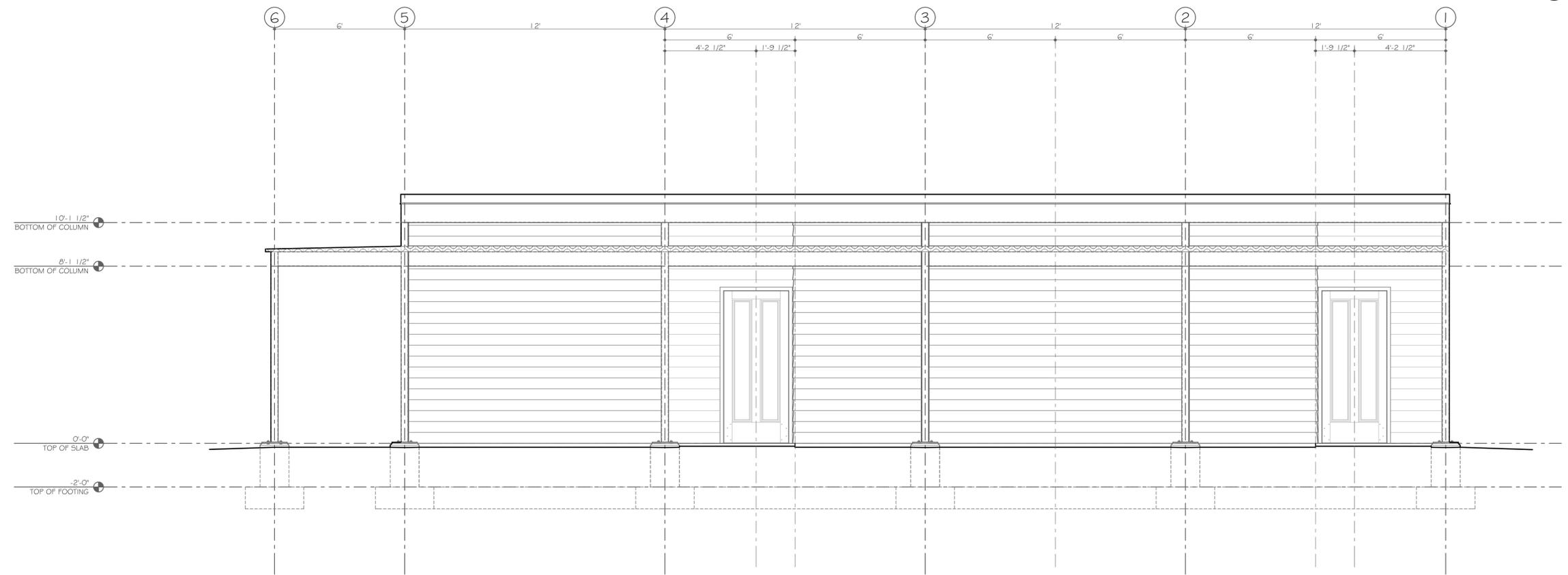
Exterior Elevation
SCALE: 1/4" = 1'-0" 01

- NOTES:
1. REPLACE ALL ROTTEN SIDING MATCHING SIZE AND SHAPE.
 2. REPLACE ALL SIDING ON THE REAR ELEVATION OF THE MAIN HOUSE MATCHING SIZE AND SHAPE.
 3. REPLACE ALL MISSING SIDING MATCHING SIZE AND SHAPE.
 4. REPAIR ALL WINDOW FRAME ROT PER SPECIFICATIONS.
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- NOTES:
1. REPLACE ALL ROTTEN SIDING MATCHING SIZE AND SHAPE.
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 3. REPLACE ALL MISSING SIDING MATCHING SIZE AND SHAPE.
 4. REPAIR ALL WINDOW FRAME ROT PER SPECIFICATIONS.
 5. REPAIR ALL MISSING MORTAR JOINTS.



Exterior Elevation
SCALE: 3/8" = 1'-0" 02



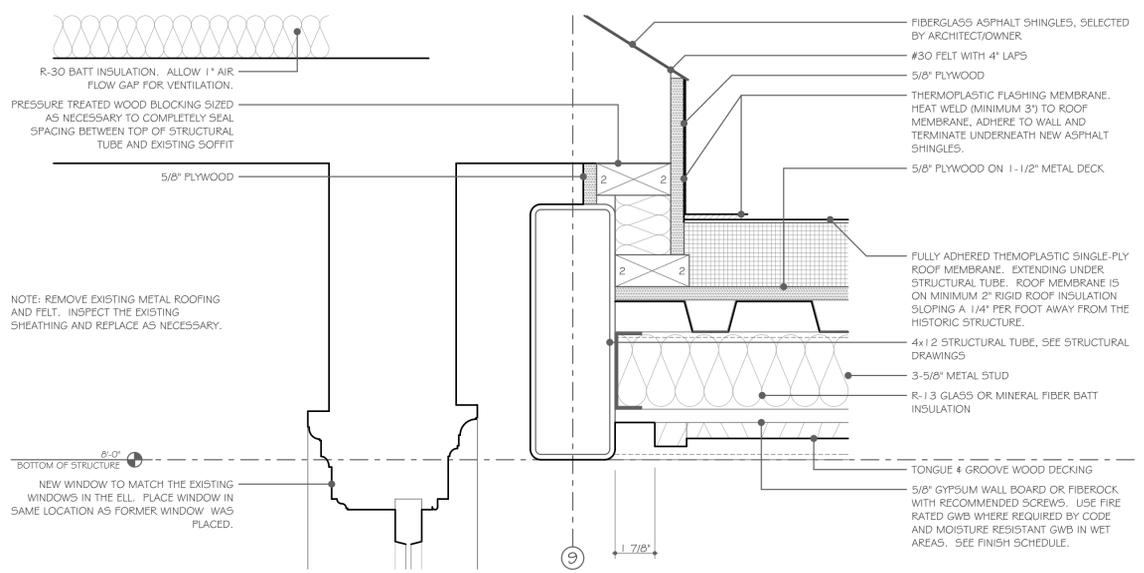
Exterior Elevation
SCALE: 3/8" = 1'-0" 01

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A420



Wall Section Details 03
SCALE: 3" = 1'-0"



Building Section 01
SCALE: 1/4" = 1'-0"

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**Building Section
Wall Section Detail**

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A500

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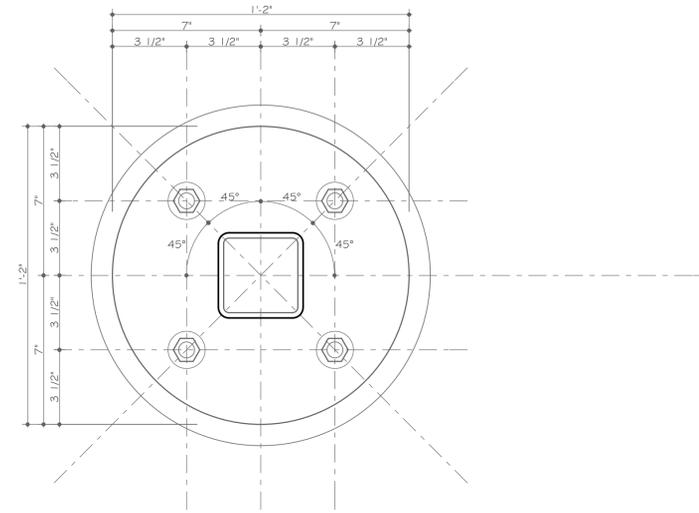
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**Building Sections
Concrete Pier Details**

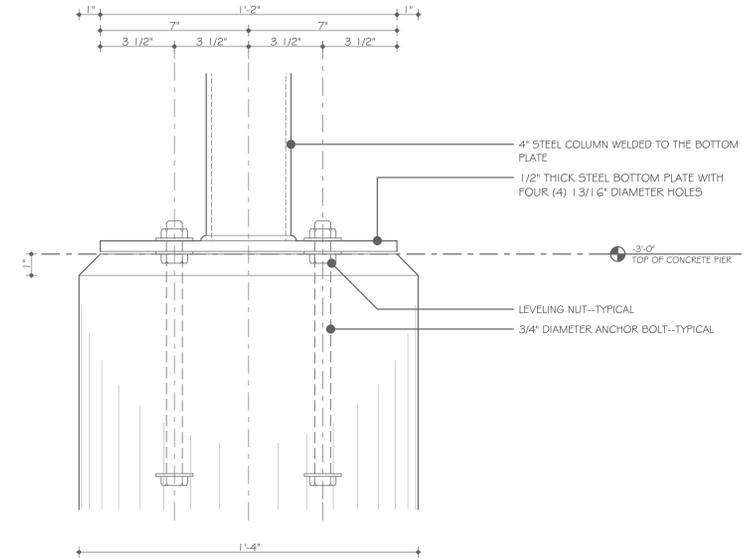
Issue Date:
November 4, 2016
Design Phase:
Construction Documents
Revision Date(s):

Sheet Number:
A501

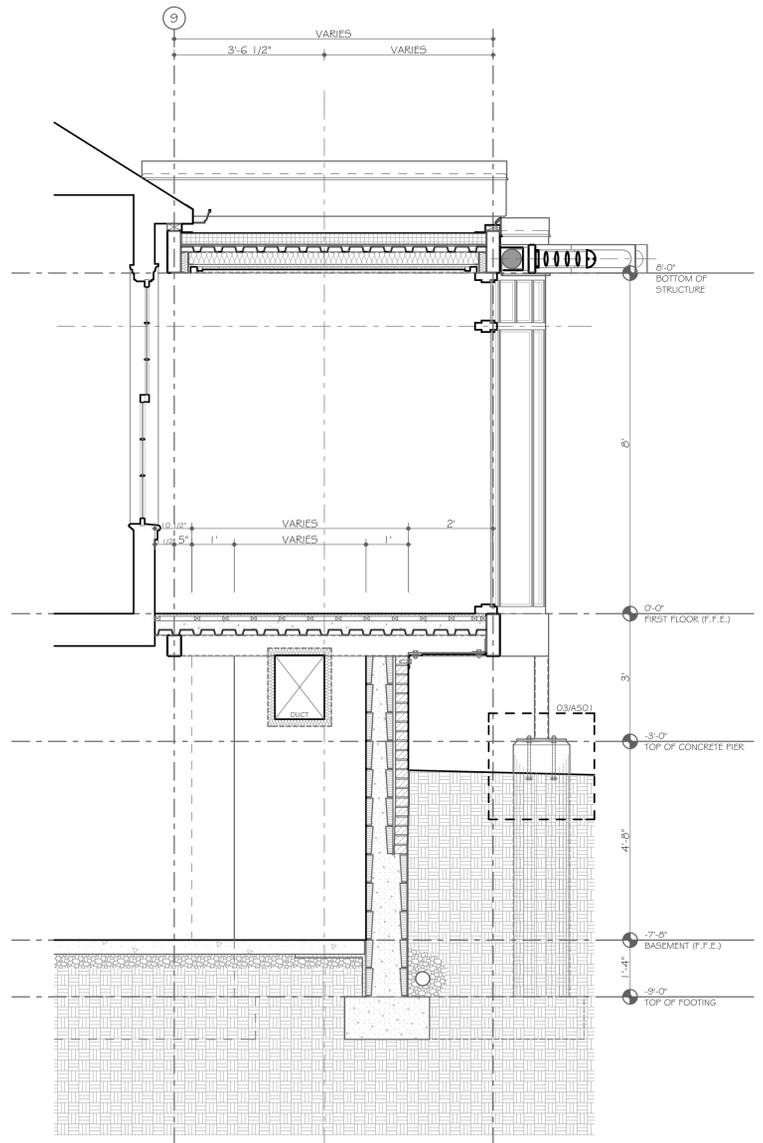
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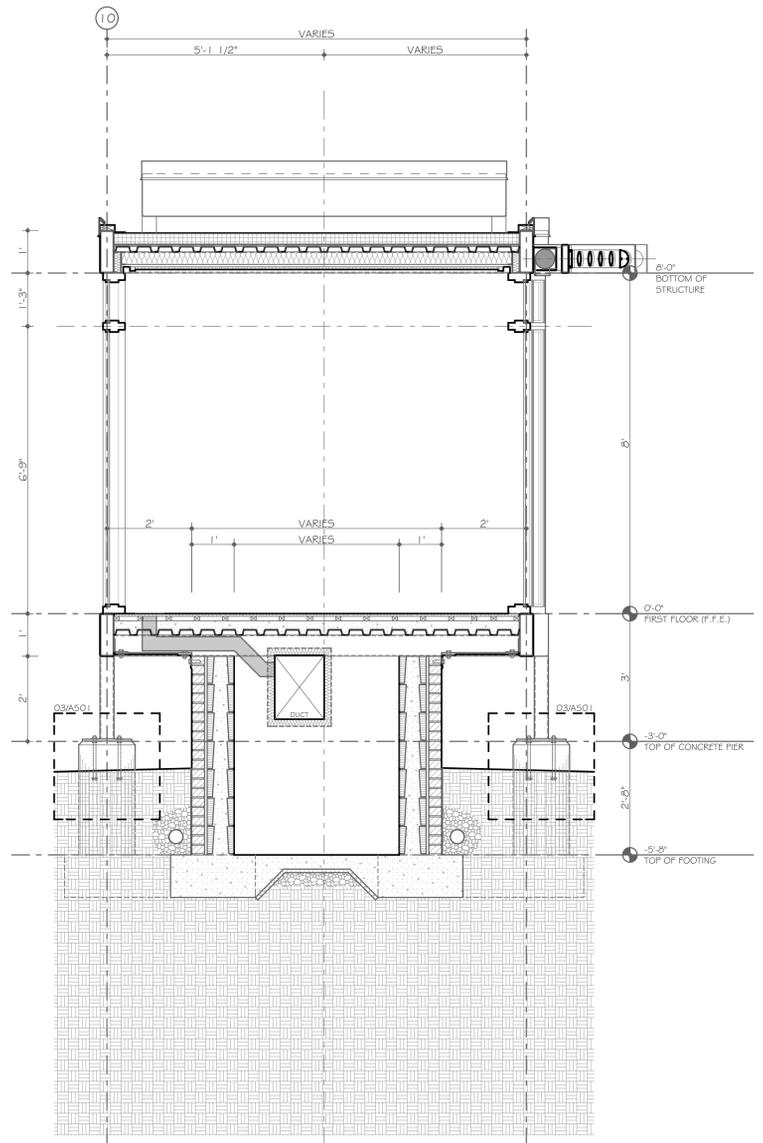
Bottom Plate Detail
SCALE: 3" = 1'-0" 06



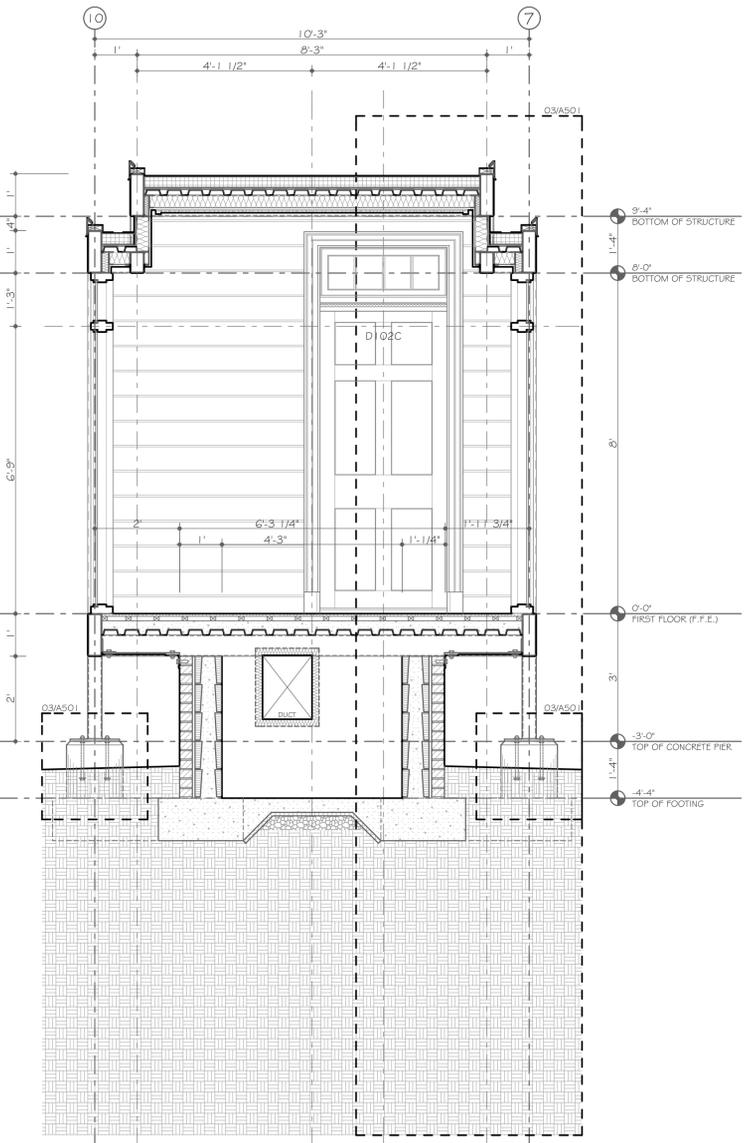
Concrete Pier Detail
SCALE: 3" = 1'-0" 03



Building Section
SCALE: 1/2" = 1'-0" 07



Building Section
SCALE: 1/2" = 1'-0" 04



Building Section
SCALE: 1/2" = 1'-0" 01



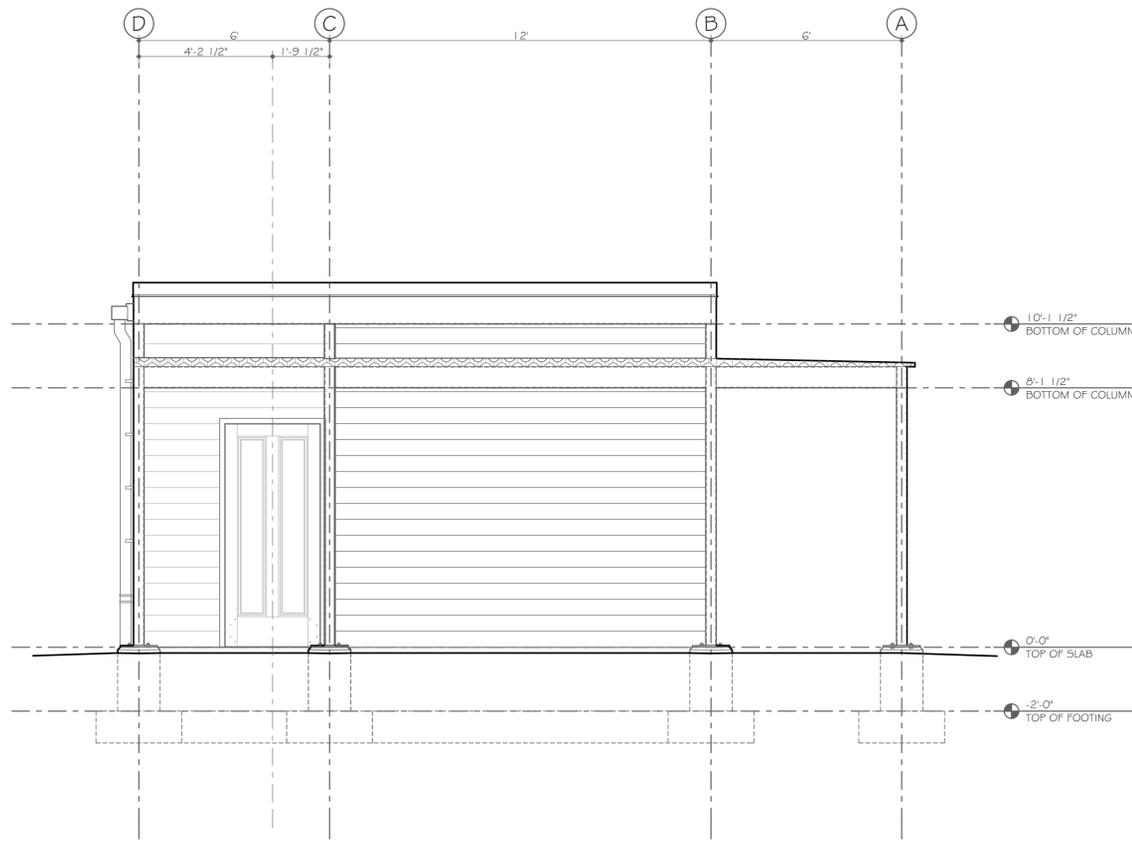
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**Restroom Building Sections
Restroom Building Elevation**

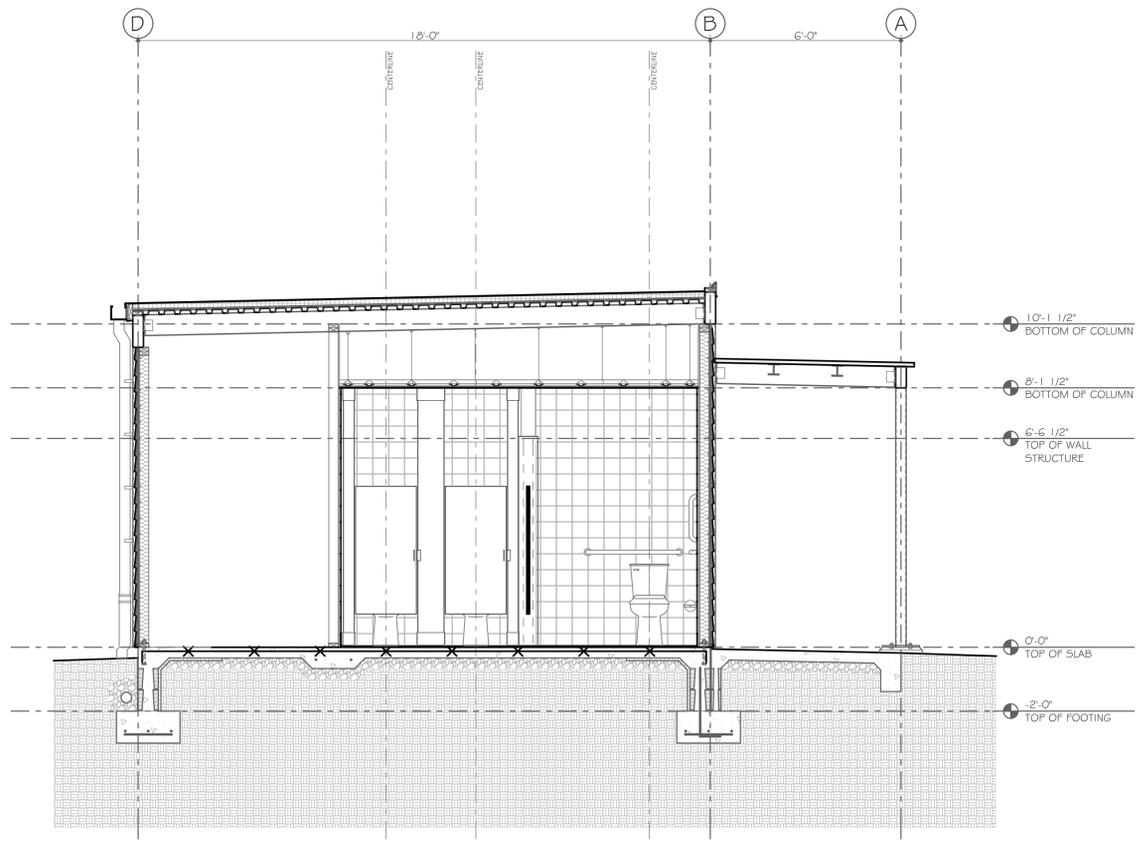
Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A520

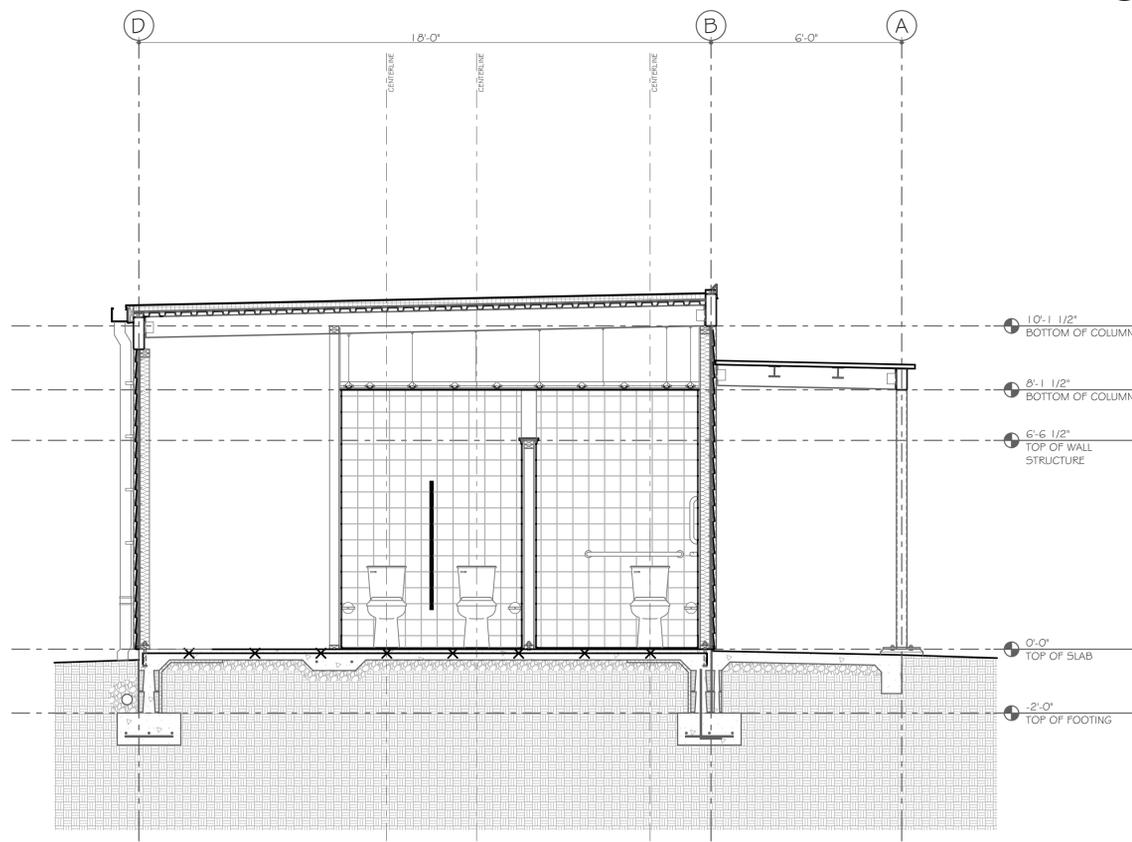
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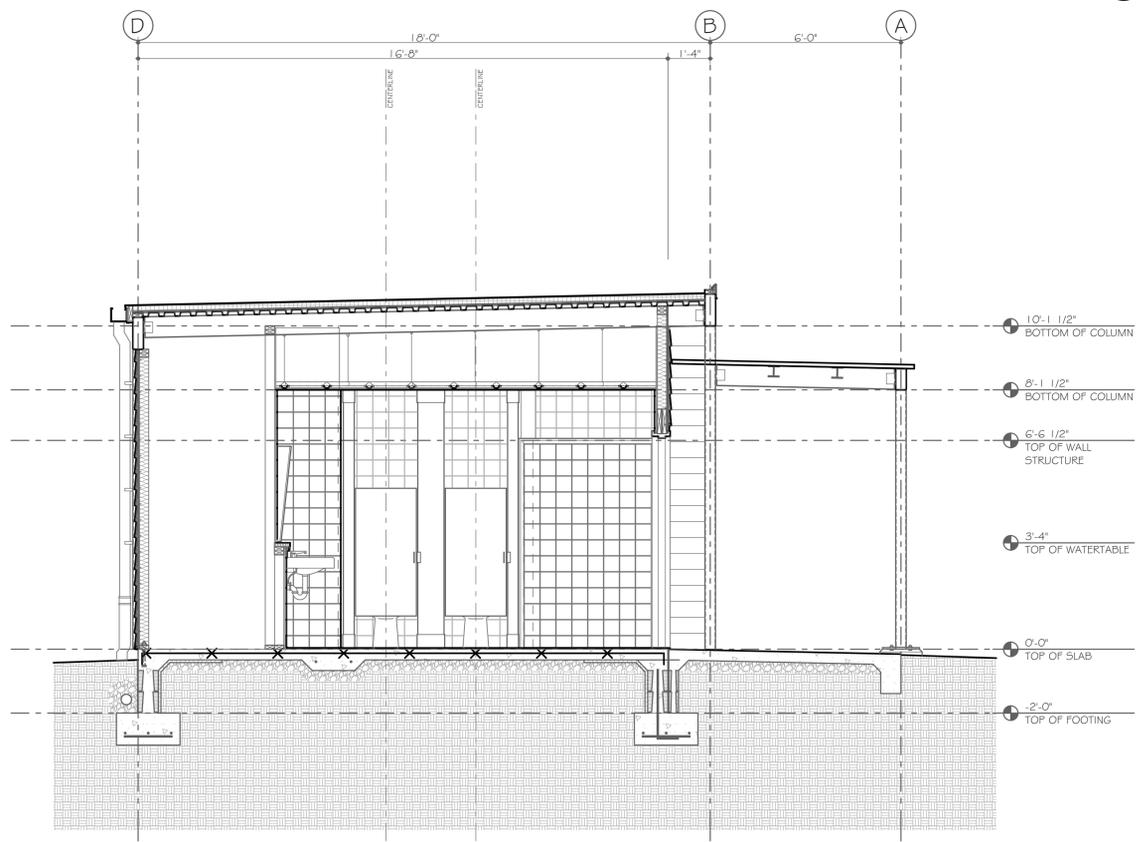
Exterior Elevation
SCALE: 3/8" = 1'-0" 04



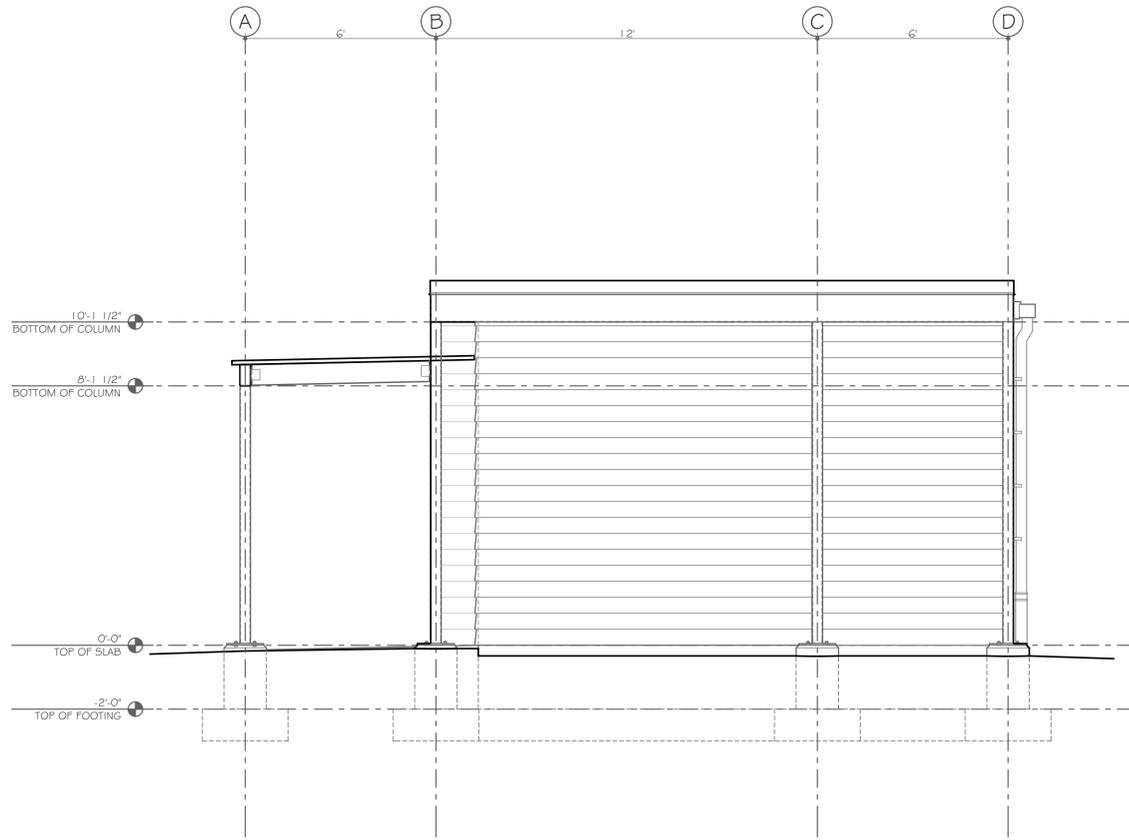
Restroom Building Section
SCALE: 3/8" = 1'-0" 02



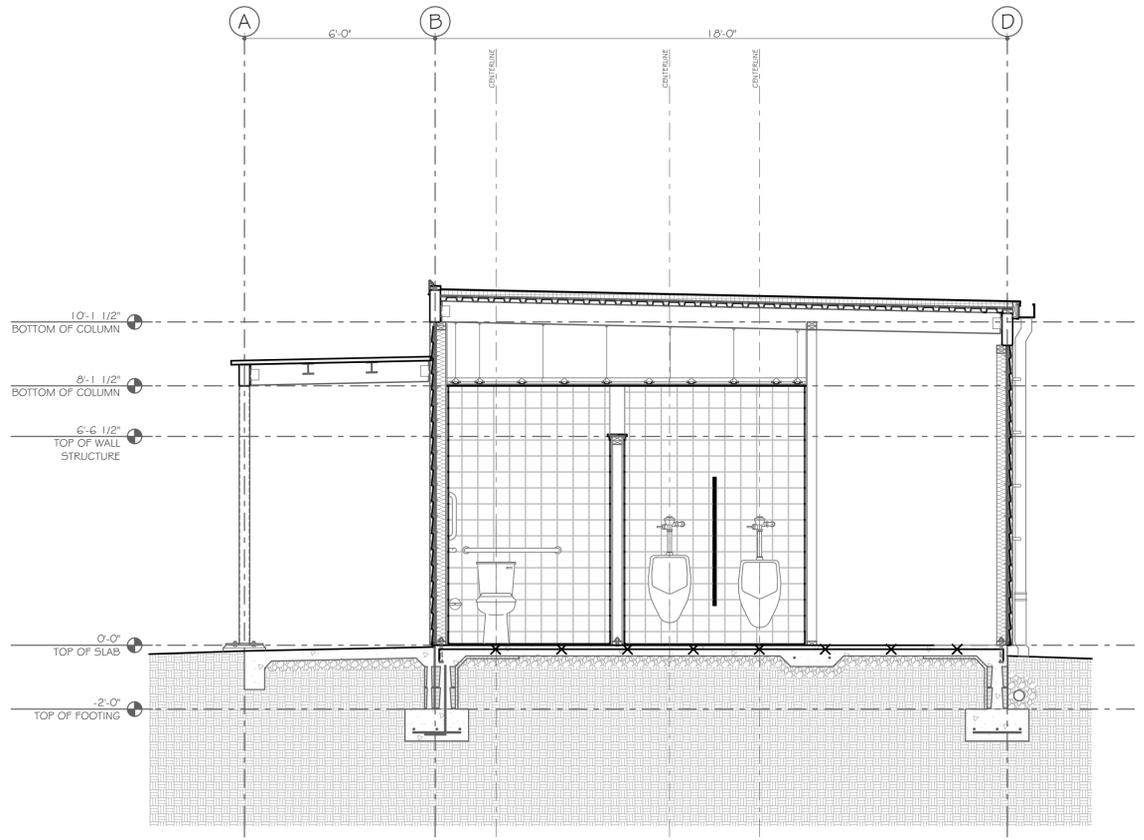
Restroom Building Section
SCALE: 3/8" = 1'-0" 03



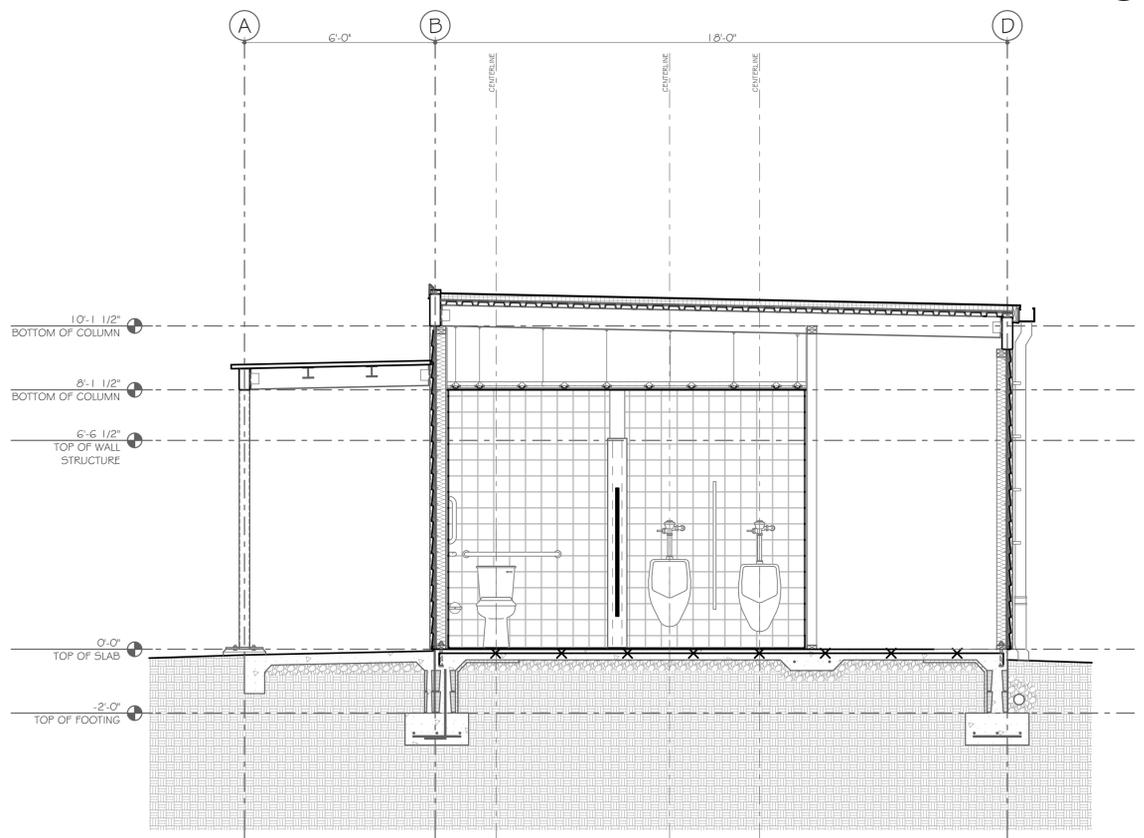
Restroom Building Section
SCALE: 3/8" = 1'-0" 01



Exterior Elevation
SCALE: 3/8" = 1'-0" 04



Restroom Building Section
SCALE: 3/8" = 1'-0" 02



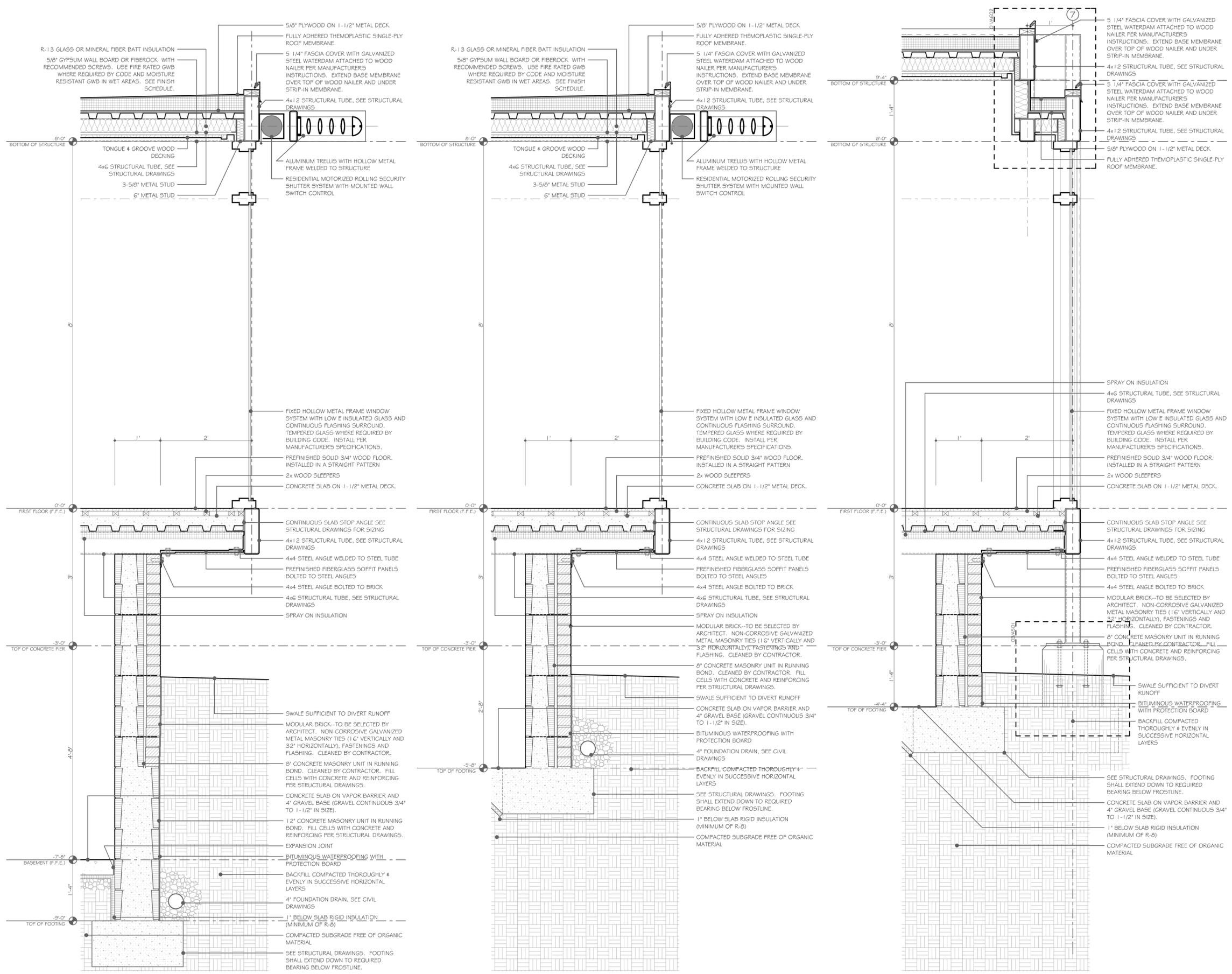
Restroom Building Section
SCALE: 3/8" = 1'-0" 01

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Restroom Building Sections
Restroom Building Elevation

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A521



Wall Section 07
SCALE: 1" = 1'-0"

Wall Section 04
SCALE: 1" = 1'-0"

Wall Section 01
SCALE: 1" = 1'-0"

Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Wall Sections

Issue Date:
November 4, 2016

Design Phase:
Construction Documents

Revision Date(s):

Sheet Number:
A600

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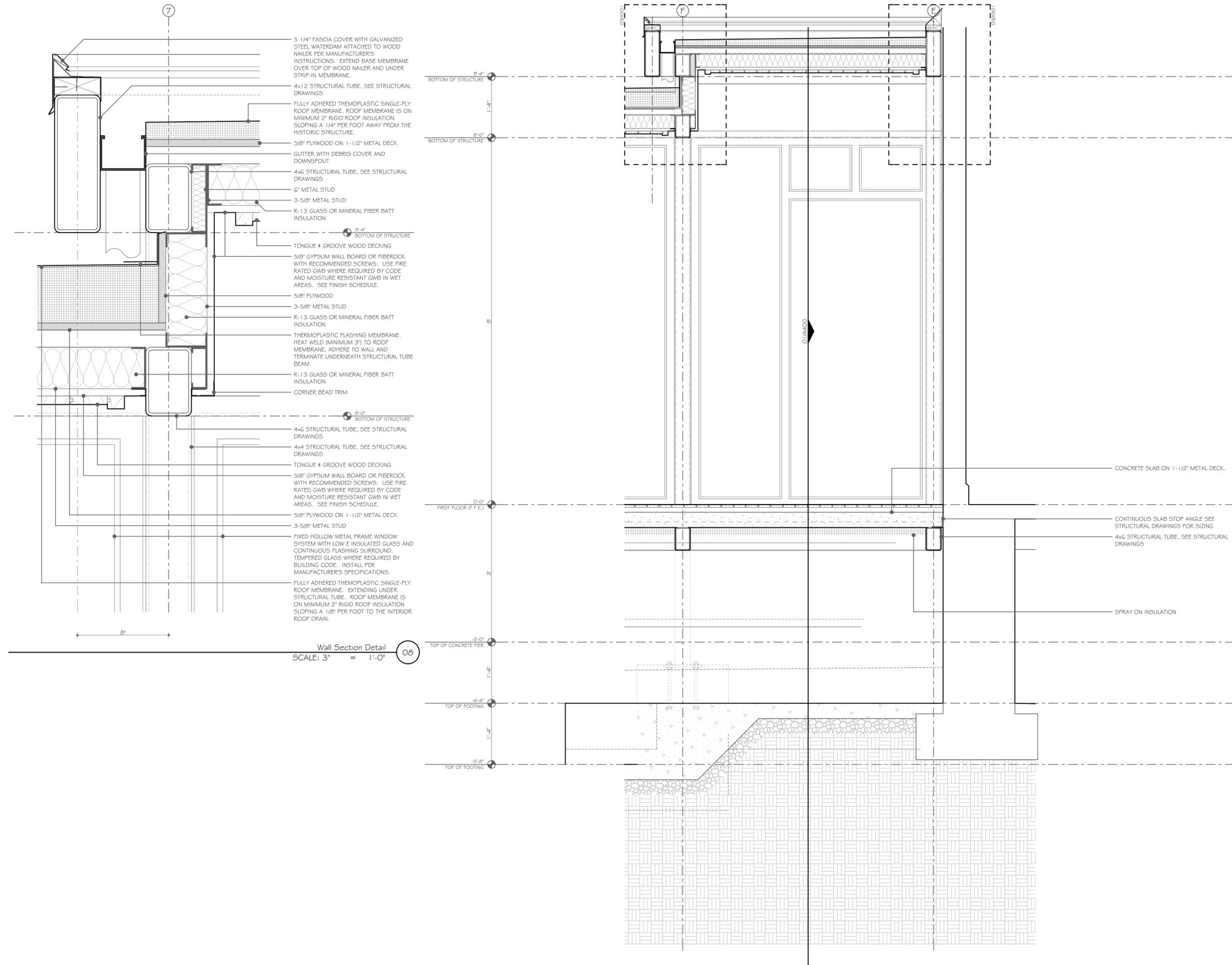
Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
**Wall Section
Wall Section Detail**

Issue Date:
November 4, 2016
Design Phrase:
Construction Documents
Revision Date(s):

Sheet Number:
A601

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Project:
Historic Holly Bend
3701 Neck Road
Huntersville, North Carolina 28078

Sheet Title:
Wall Section Details

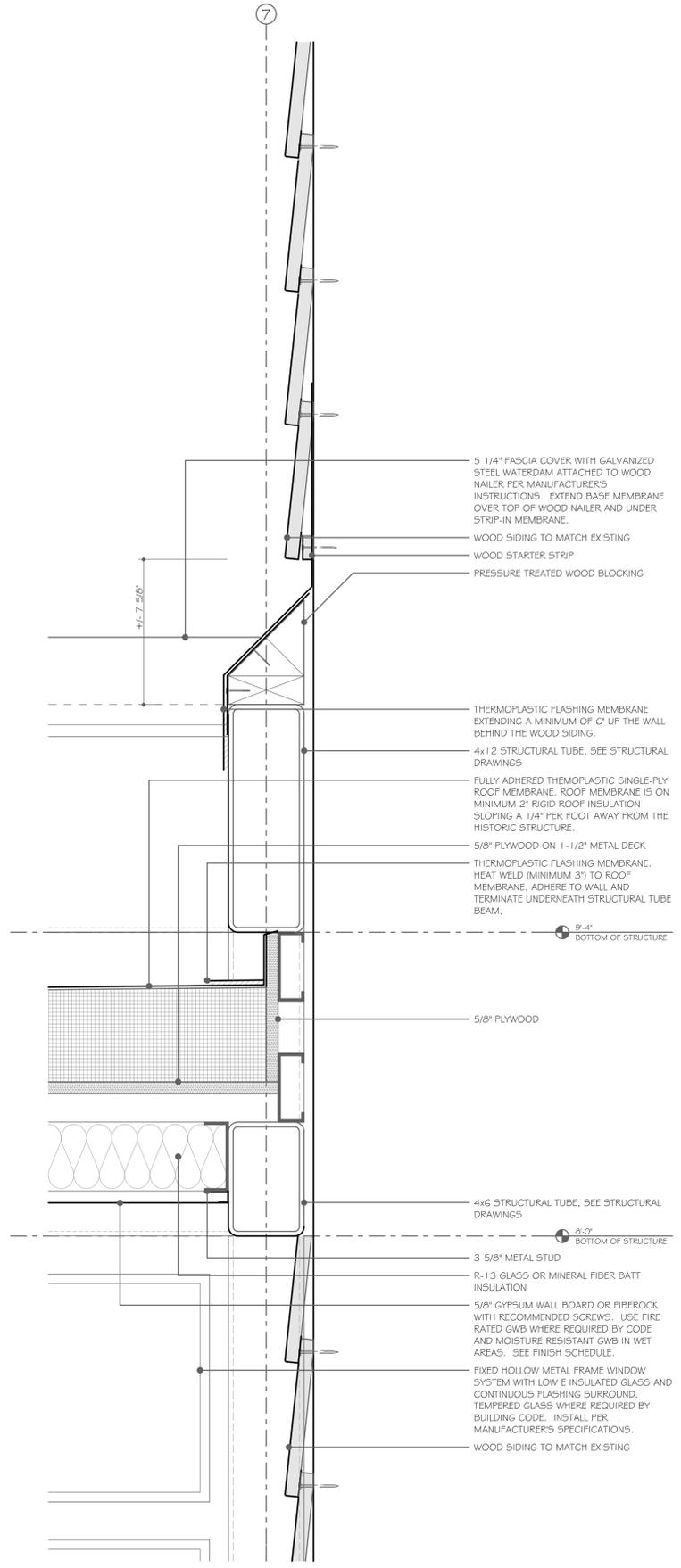
Issue Date:
November 4, 2016

Design Phase:
Construction Documents

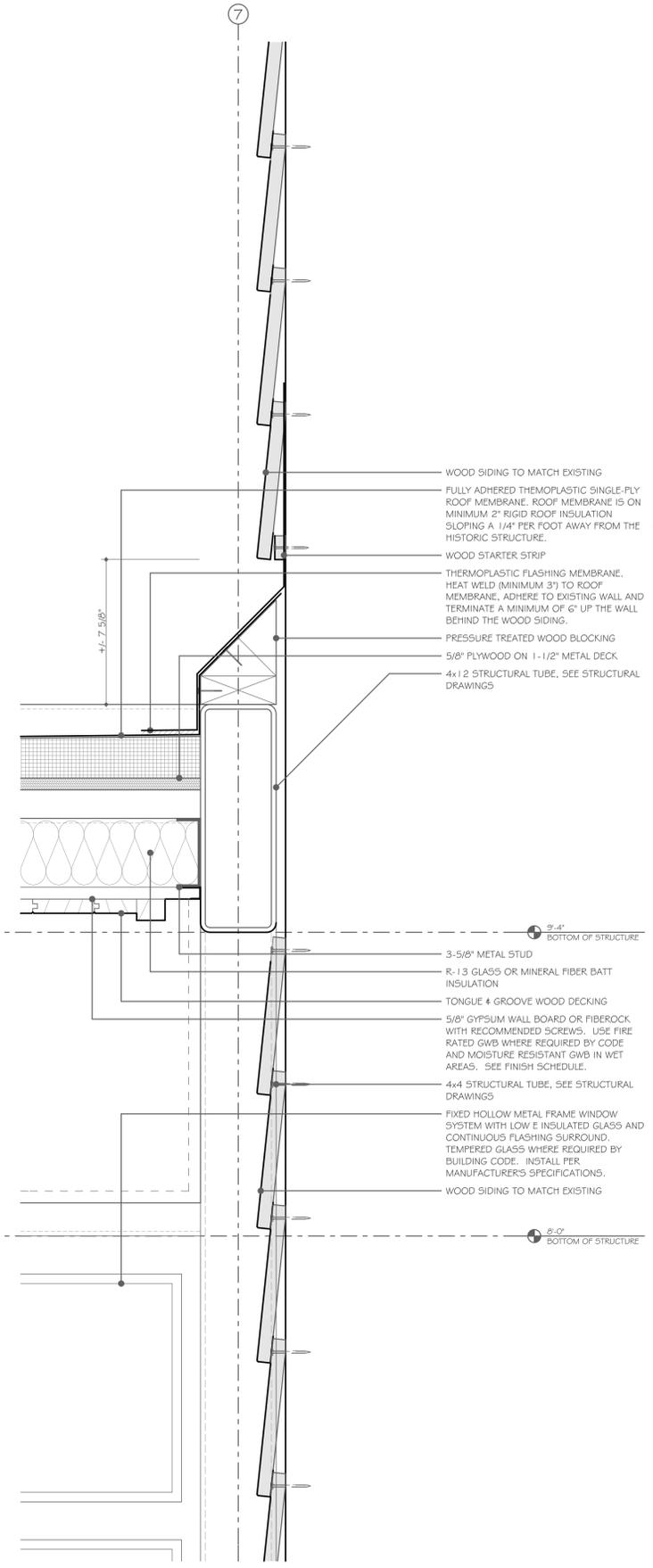
Revision Date(s):

Sheet Number:
A602

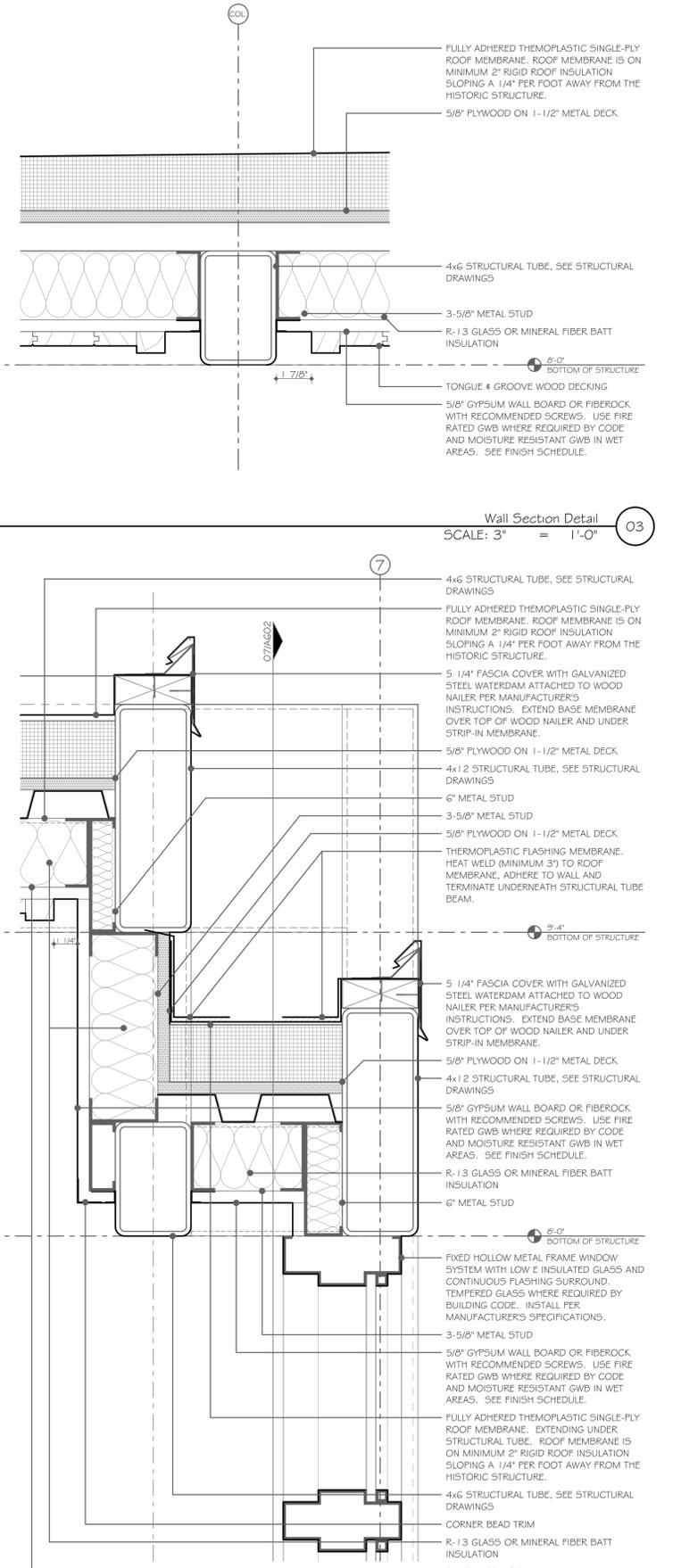
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Wall Section Detail
SCALE: 3" = 1'-0" **07**



Wall Section Detail
SCALE: 3" = 1'-0" **04**



Wall Section Detail
SCALE: 3" = 1'-0" **03**