

**2018 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: Lexington Plantation Pool House  
 Address: 400 Centennial Parkway Cameron, NC Zip Code 28326  
 Owner/Authorized Agent: Village at Lexington Phone # ( 910 ) 484 - 5400 E-Mail jamie@littleandyoung.n  
 Owned By: HOA  City/County  Private  State  
 Code Enforcement Jurisdiction:  City  County Harnett  State

**CONTACT:** Christopher G. Herndon, PE CWI

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	<u>Draper Aden Associates</u>	<u>Andrew P. Mericle, PE</u>	<u>041595</u>	<u>(919) 827-0864</u>	<u>americle@daa.com</u>
Civil					
Electrical					
Fire Alarm					
Plumbing	<u>Coastal Plains Engineering, PA</u>	<u>Christopher S. Locklear, PE</u>	<u>020193</u>	<u>(910) 521-7213</u>	<u>coastalplainseng@gmail.com</u>
Mechanical					
Sprinkler-Standpipe					
Structural	<u>Draper Aden Associates</u>	<u>Christopher G. Herndon, PE CWI</u>	<u>043810</u>	<u>(919) 827-0864</u>	<u>cherndon@daa.com</u>
Retaining Walls >5' High					
Other					

(\*Others\* should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

**2018 NC CODE FOR:**  New Construction  Addition  Renovation  
 1<sup>st</sup> Time Interior Completion  
 Shell/Core  
 Phased Construction - Shell/Core  
 Renovation

**2018 NC EXISTING BUILDING CODE:**  Prescriptive  Repair  Chapter 14  
 Level I  Level II  Level III  
 Historic Property  Change of Use

**CONSTRUCTED:**(date) \_\_\_\_\_ **ORIGINAL OCCUPANCY(S)** (Ch. 3): \_\_\_\_\_  
**RENOVATED:** (date) \_\_\_\_\_ **CURRENT OCCUPANCY(S)** (Ch. 3): \_\_\_\_\_

**RISK CATEGORY (table 1604.5)** Current:  I  II  III  IV  
 Proposed:  I  II  III  IV

**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  
 Special Inspections Required:  No  Yes

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**Gross Building Area:**

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENO/ALTER (SQ FT)	SUB-TOTAL
6 <sup>th</sup> Floor				
5 <sup>th</sup> Floor				
4 <sup>th</sup> Floor				
3 <sup>rd</sup> Floor				
2 <sup>nd</sup> Floor				
Mezzanine				
1 <sup>st</sup> Floor		864		
Basement				
TOTAL				

**ALLOWABLE AREA**

**Primary Occupancy Classification: SELECT ONE**

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 Condition  I-2  I-3 Condition  I-4  
 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 Occupancy Classification(s):** \_\_\_\_\_  
**Incidental Uses (Table 509):** \_\_\_\_\_  
 Special Uses (Chapter 4 - List Code Sections): \_\_\_\_\_  
 Special Provisions: (Chapter 5 - List Code Sections): \_\_\_\_\_

**Mixed Occupancy:**  No  Yes Separation: \_\_\_\_\_ Hr. Exception: \_\_\_\_\_  
 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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

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STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 <sup>1</sup> AREA	(C) AREA FOR FRONTAGE INCREASE <sup>1,2</sup>	(D) ALLOWABLE AREA PER STORY OR UNLIMITED <sup>1,3</sup>
1	UTILITY	864	5,500		5,500

<sup>1</sup> Frontage area increases from Section 506.3 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<sub>r</sub> = 100 [ F/P - 0.25 ] x W/30 = \_\_\_\_\_ (%)

<sup>2</sup> Unlimited area applicable under conditions of Section 507.  
<sup>3</sup> Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).  
<sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4  
<sup>5</sup> Frontage increase is based on the unsprinklered area value in Table 506.2.

**ALLOWABLE HEIGHT**

	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40	18.5	
Building Height in Stories (Table 504.4)	1	1	

<sup>1</sup> Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4.  
<sup>2</sup> The maximum height of air traffic control towers must comply with Table 412.3.1  
<sup>3</sup> The maximum height of open parking garages must comply with Table 406.5.4

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**FIRE PROTECTION REQUIREMENTS**

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED * (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls		0					
Exterior		0					
North	114'						
East	77'						
West	186'						
South	102'						
Interior		0					
Nonbearing Walls and Partitions		0					
Exterior walls							
North							
East							
West							
South							
Interior walls and partitions		0					
Floor Construction including supporting beams and joists							
Floor Ceiling Assembly							
Column Supporting Floors							
Roof Construction, including supporting beams and joists		0					
Roof Ceiling Assembly							
Column Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

**PERCENTAGE OF WALL OPENING CALCULATIONS**

FIRE SEPARATION DISTANCE (FEET FROM PROPERTY LINES)	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

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 Engineering • Surveying • Environmental Services

114 Edinburgh South Drive, Suite 200  
 919-827-0864, Fax: 919-839-8138  
 www.daa.com  
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**APPENDIX B**  
 Lexington Plantation Pool House  
 400 Centennial Parkway Cameron, NC 28326

REVISIONS

NO.	DESCRIPTION	DATE

DESIGNED BY: CGH  
 DRAWN BY: CGH  
 CHECKED BY: AC  
 SCALE:  
 DATE: 12/21/21  
 PROJECT NUMBER: 2101033

**A0.1**

**DRAWING LIST**

SHEET NUMBER	SHEET NAME
A0.1	APPENDIX B
A1.0	ELEVATIONS & FLOOR PLAN
LS1.0	LIFE SAFETY PLAN
S0.1	GENERAL NOTES
S0.2	APPENDIX B
S1.0	FOUNDATION & FRAMING PLANS

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**ENERGY SUMMARY**

**ENERGY REQUIREMENTS:**  
 The following data shall be considered minimum and any special attribute required to meet the **North Carolina Energy Conservation 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.

Existing building envelope complies with code:  No  Yes (The remainder of this section is not applicable)

Exempt Building:  No  Yes (Provide Code or Statutory reference): U/M OCCUPANCY CLASSIFICATION

**Climate Zone:**  3A  4A  5A

**Method of Compliance: Energy Code**  Performance  Prescriptive  
 ASHRAE 90.1  Performance  Prescriptive  
 (If "Other" specify source here) \_\_\_\_\_

**THERMAL ENVELOPE (Prescriptive method only)**

**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: \_\_\_\_\_

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(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	5' ACCESS AISLE	
TOTAL						

**PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)**

USE	WATERCLOSETS	URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
			MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G							
	NEW	1	2		1	2	2	1
	REQ'D							

**SPECIAL APPROVALS**

**Special approval:** (Local Jurisdiction, Department of Insurance, SCO, DPI, DHHS, ICC, etc., describe below)

\_\_\_\_\_

\_\_\_\_\_

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**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Lighting:  No  Yes  
 Exit Signs:  No  Yes  
 Fire Alarm:  No  Yes  
 Smoke Detection Systems:  No  Yes  Partial \_\_\_\_\_  
 Carbon Monoxide Detection:  No  Yes

**LIFE SAFETY PLAN REQUIREMENTS**

Life Safety Plan Sheet #: LS1.0

Fire and/or smoke rated wall locations (Chapter 7)  
 Assumed and real property line locations (if not on the site plan)  
 Exterior wall opening area with respect to distance to assumed property lines (705.8)  
 Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)  
 Occupant loads for each area  
 Exit access travel distances (1017)  
 Common path of travel distances (1006.2.1 & 2006.3.2(1))  
 Dead end lengths (1020.4)  
 Clear exit widths for each exit door  
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)  
 Actual occupant load for each exit door  
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.  
 Location of doors with panic hardware (1010.1.10)  
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)  
 Location of doors with electromagnetic egress locks (1010.1.9.9)  
 Location of doors equipped with hold-open devices  
 Location of emergency escape windows (1030)  
 The square footage of each fire area (202)  
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)  
 Note any code exceptions or table notes that may have been utilized regarding the items above

Section/Table/Note	Title

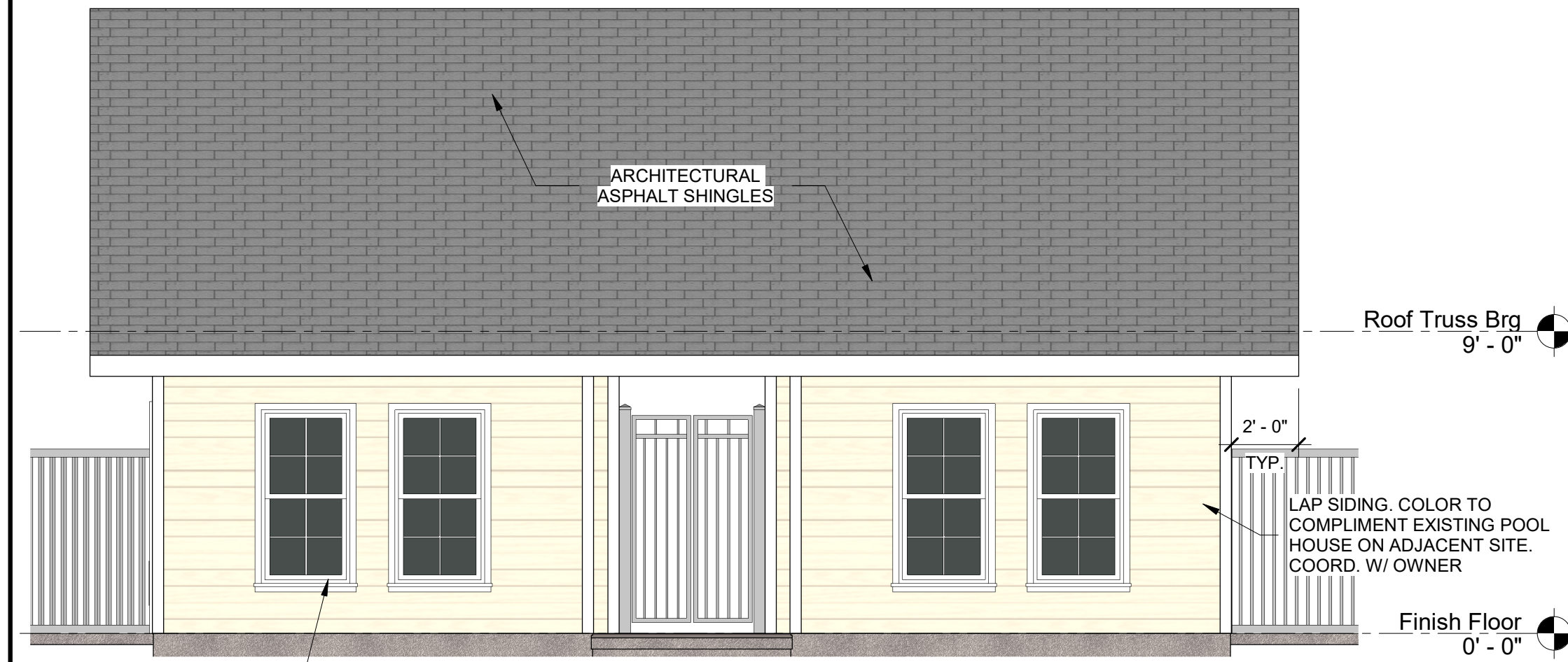
**ACCESSIBLE DWELLING UNITS (SECTION 1107)**

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**

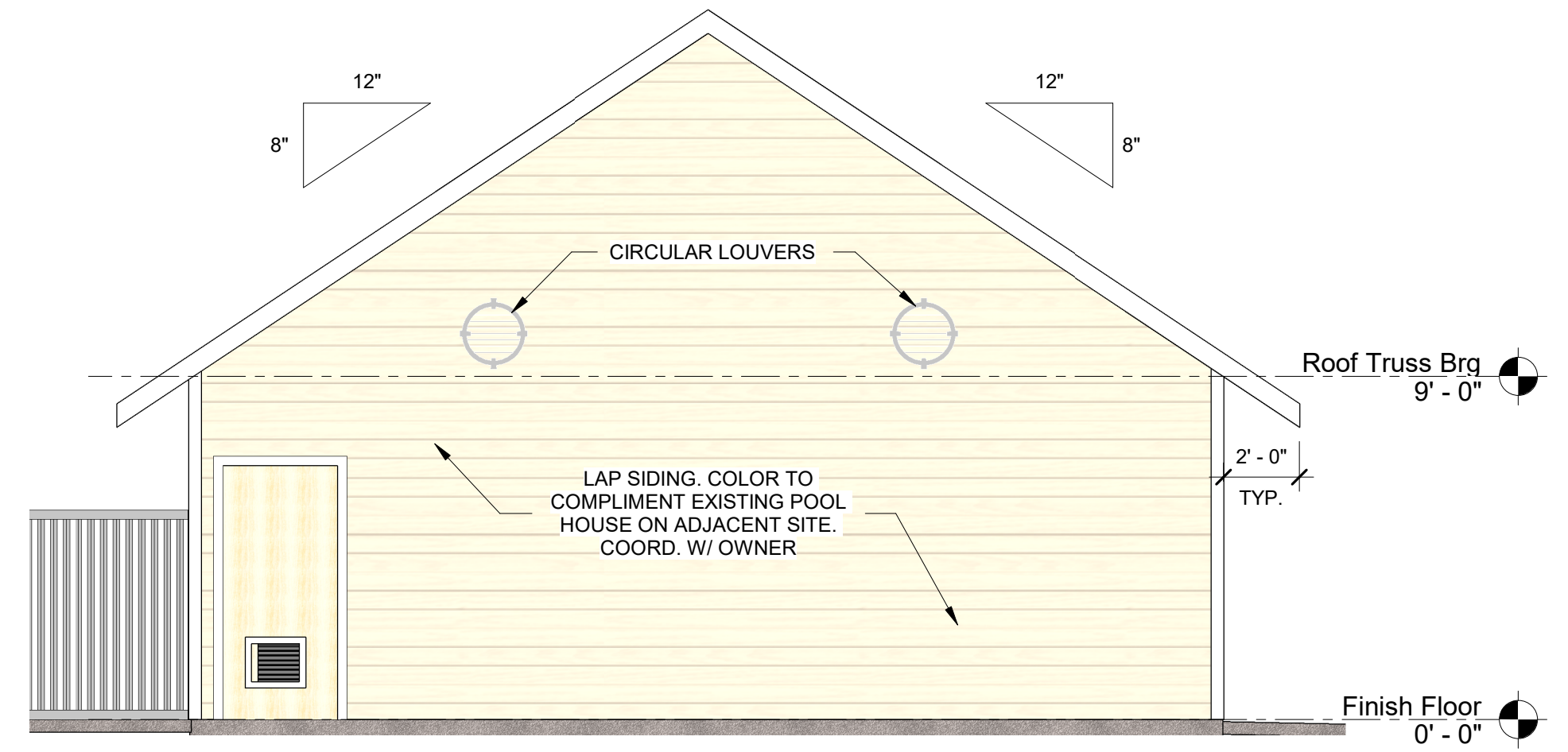
2018 NC Administrative Code and Policies Appendix B for Building





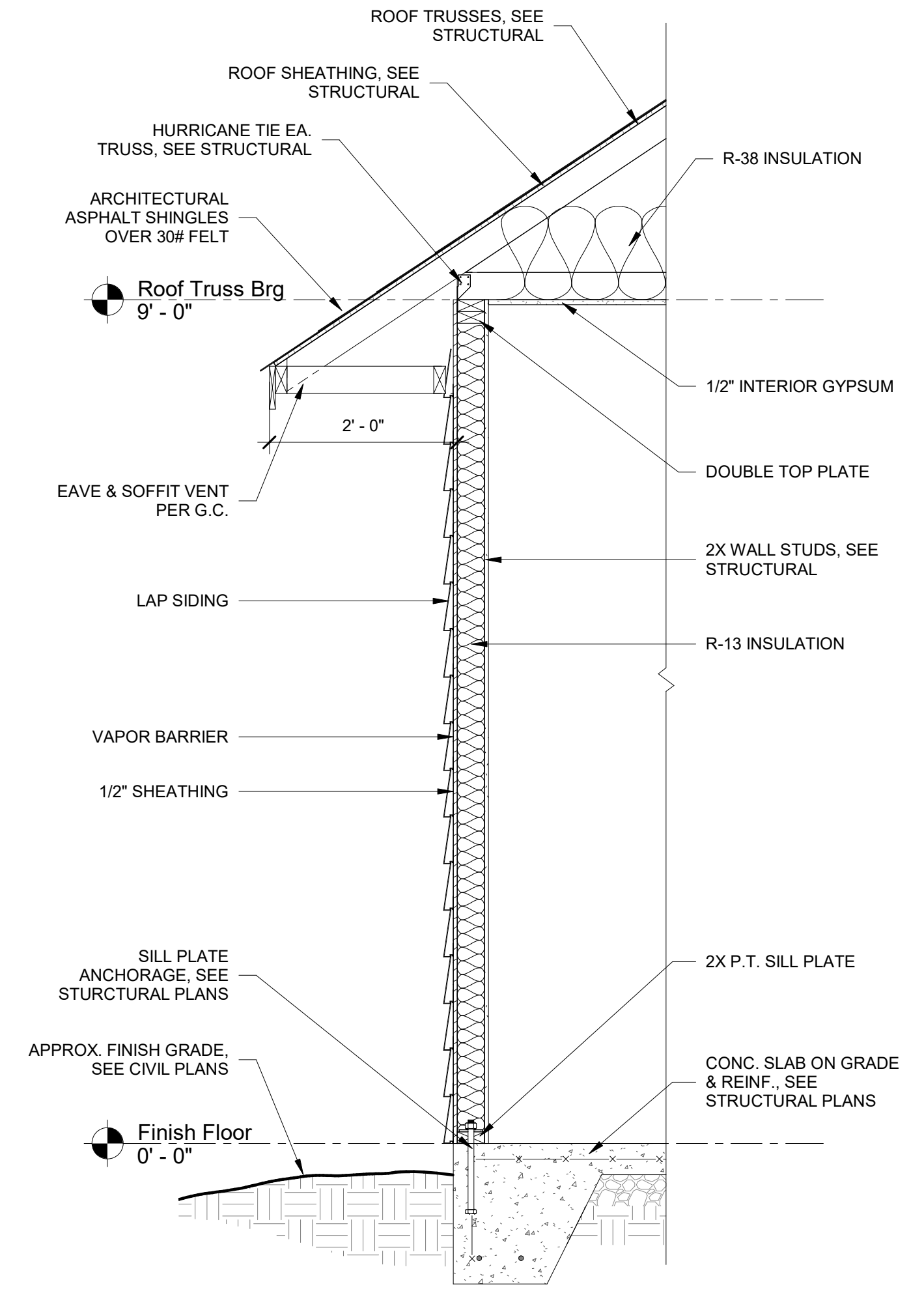
**FRONT ELEVATION**

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



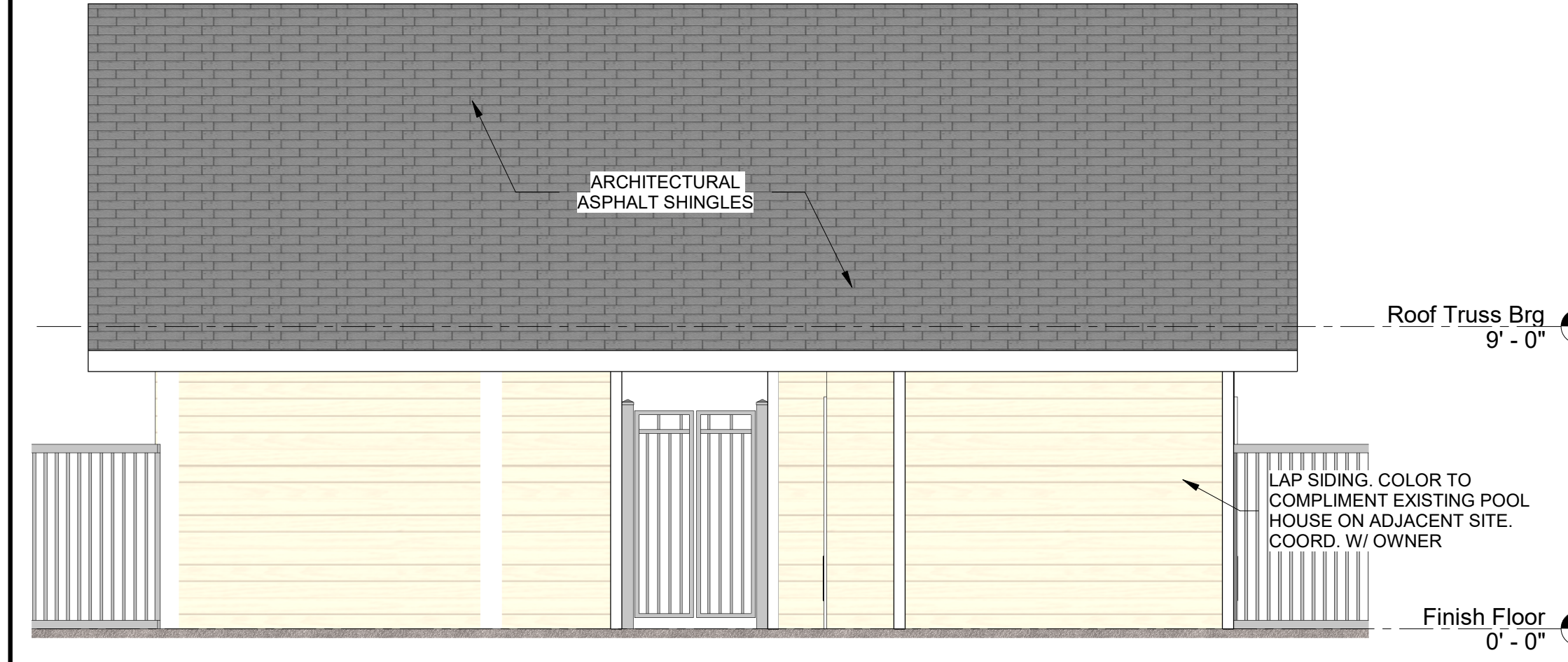
**LEFT ELEVATION**

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



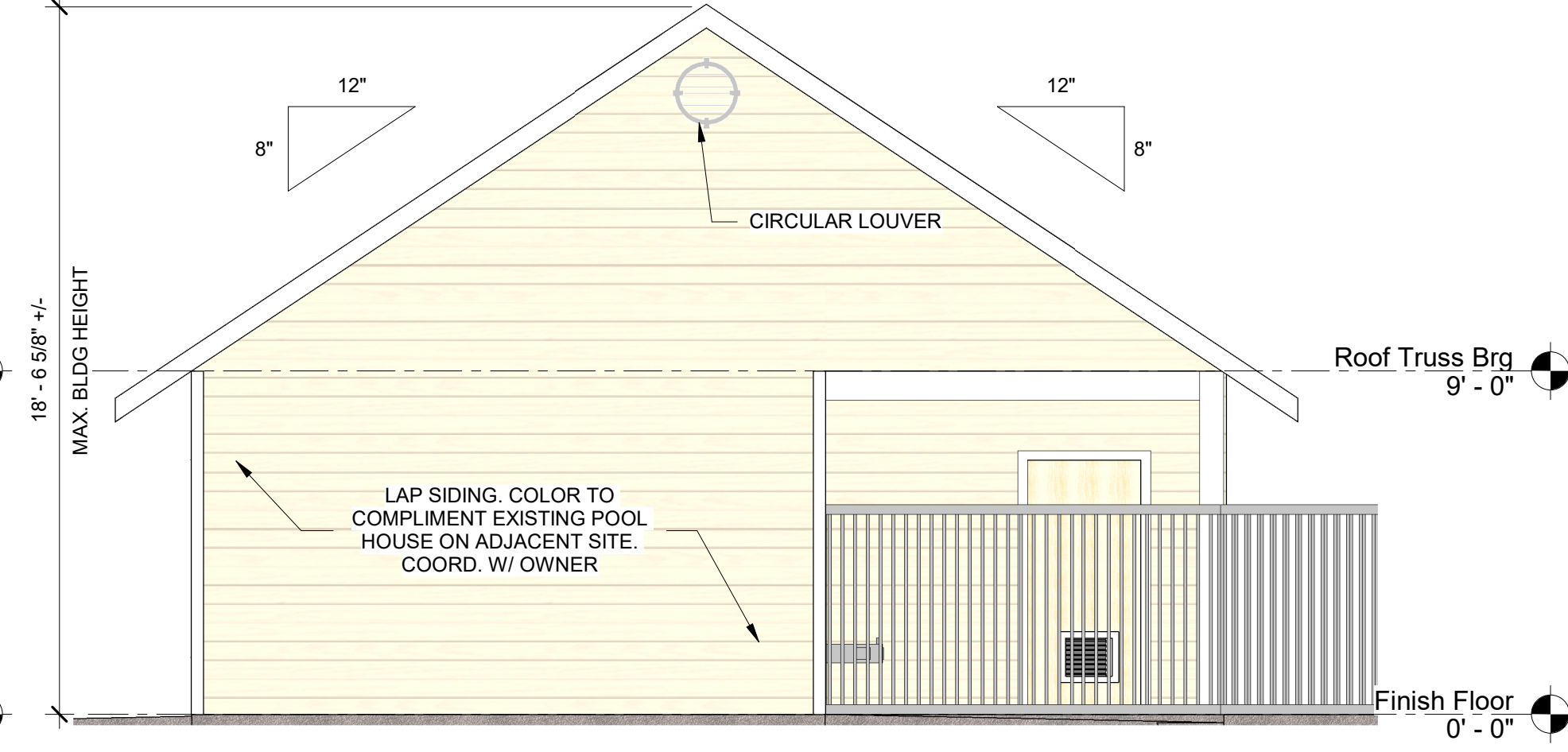
**TYP. WALL SECTION**

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



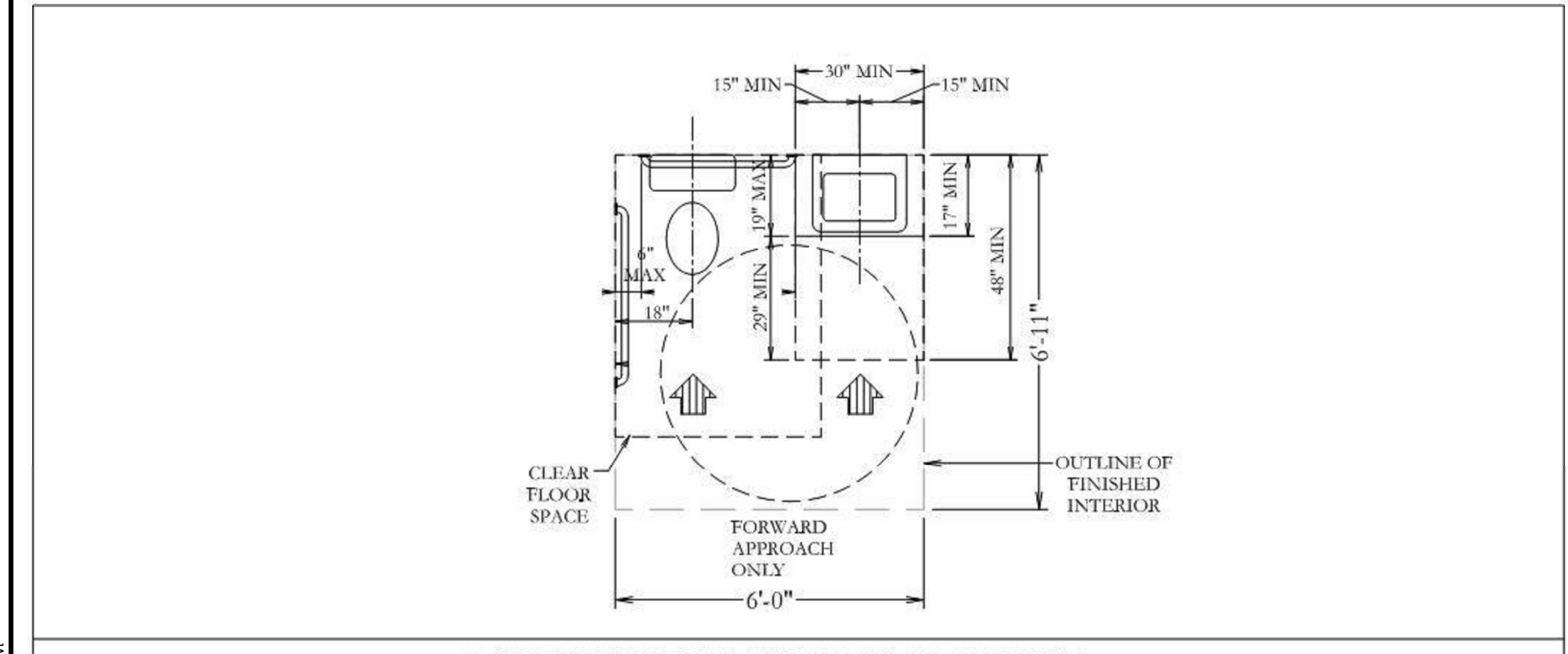
**REAR ELEVATION**

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

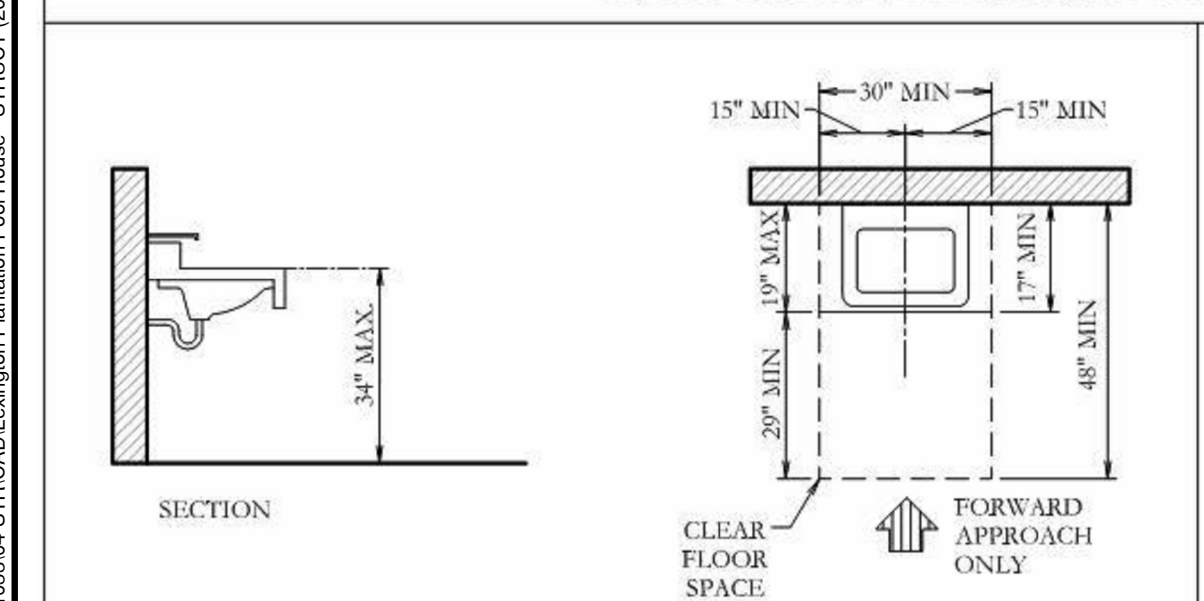


**RIGHT ELEVATION**

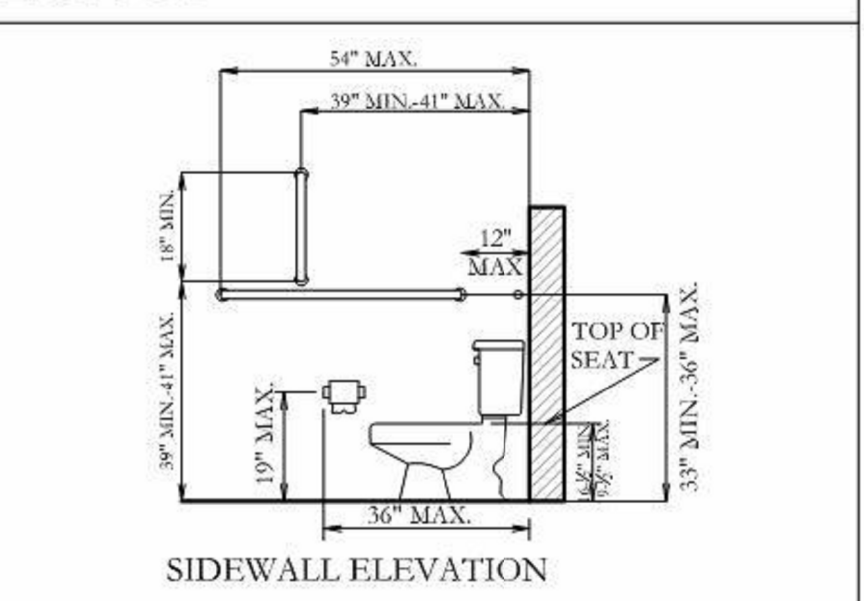
SCALE: 1/4" = 1'-0"



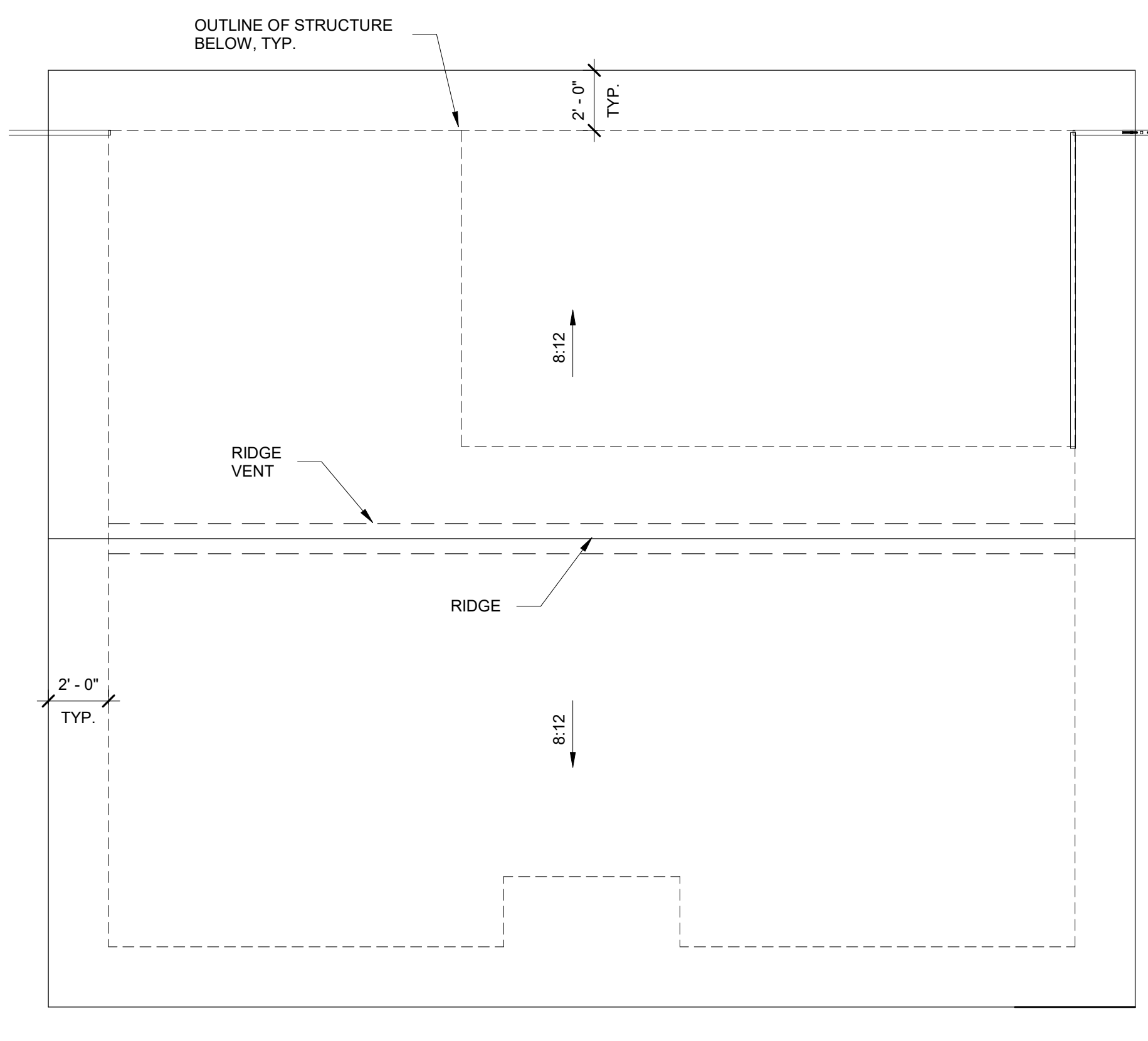
**ACCESSIBLE BATHROOM LAYOUT**



**SINKS**

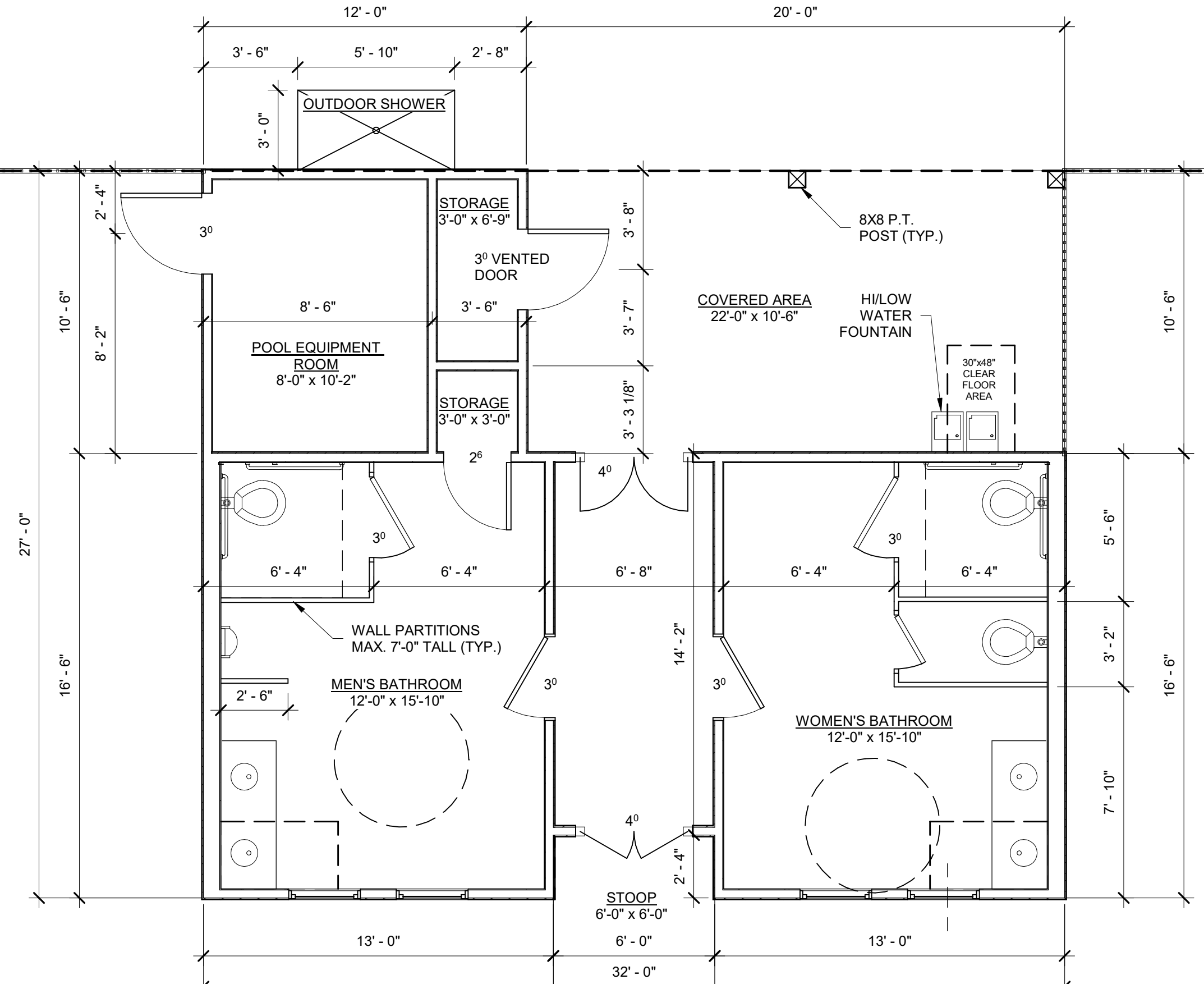


**TOILET ACCESSORIES**



**ROOF PLAN**

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



**FLOOR PLAN**

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

**NOTE:**  
ALL DIMENSIONS TO EXTERIOR WALLS ARE TO OUTSIDE FACE OF STUD, TYP.

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**ELEVATIONS & FLOOR PLAN**

**Lexington Plantation Pool House**

400 Centennial Parkway Cameron, NC 28326

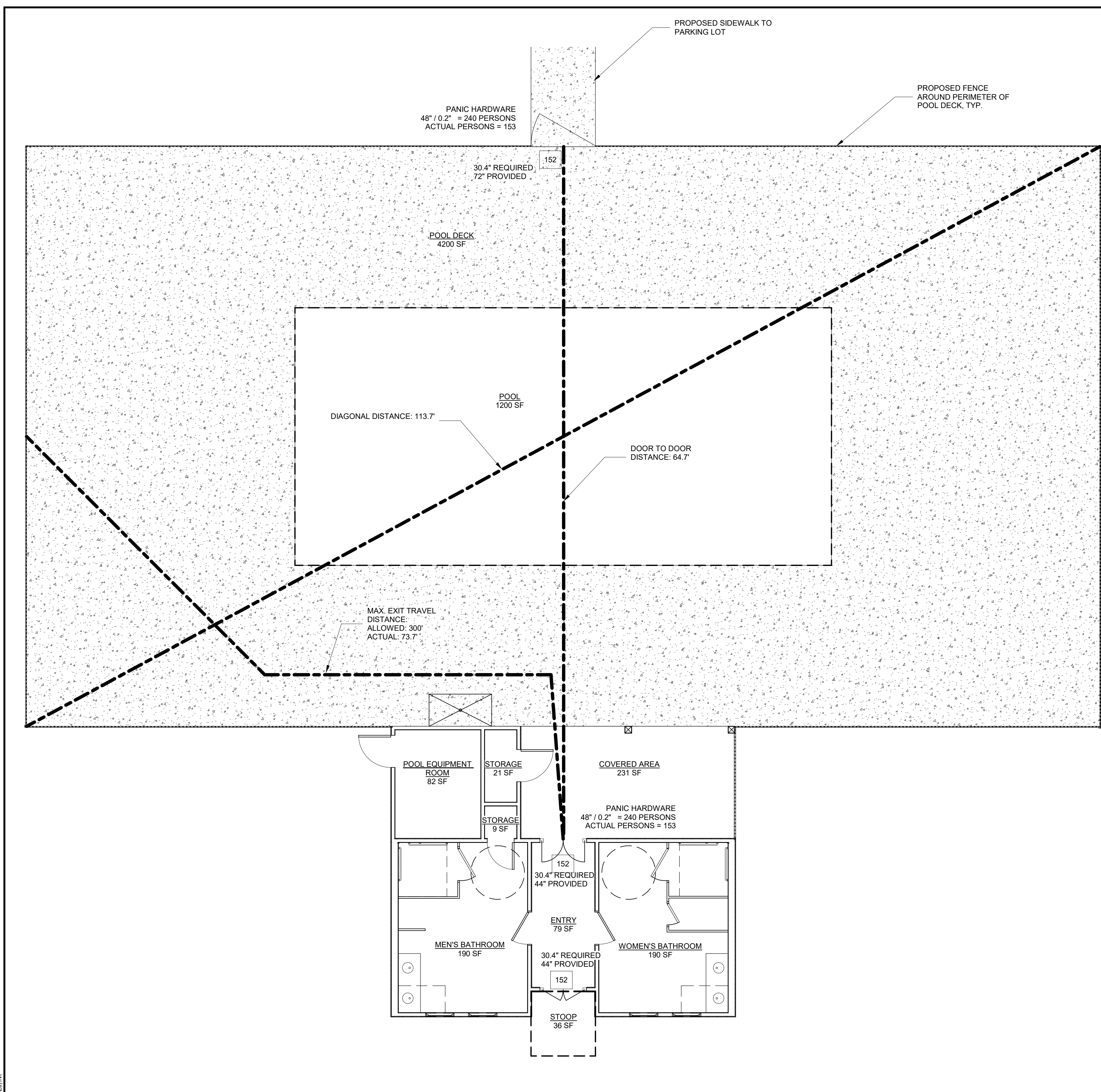
REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED BY: CGH  
 DRAWN BY: CGH  
 CHECKED BY: AC  
 SCALE: As indicated  
 DATE: 12/21/21  
 PROJECT NUMBER: 2101033

**A1.0**

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**LIFE SAFETY PLAN**

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

**BUILDING CODE NOTES:**

1. APPLICABLE CODES: 2018 NORTH CAROLINA STATE BUILDING CODE/ 2015 INTERNATIONAL BUILDING CODE
2. **OCCUPANCY CLASSIFICATION:**  
PROPOSED BUILDING USE: ANCILLARY STRUCTURE TO SERVICE COMMUNITY POOL  
PROPOSED CLASSIFICATION: U - UTILITY AND MISCELLANEOUS (POOL HOUSE)  
A - ASSEMBLY (POOL & POOL DECK)
3. **CONSTRUCTION TYPE:**  
PROPOSED: TYPE VB CONSTRUCTION, NON-SPRINKLERED
4. **HEIGHT AND AREA LIMITATIONS:**  

<b>AREA:</b>			
TABULAR AREA (TABLE 506.2):		5,500 SF	
ALLOWABLE AREA (100% OPEN PERIMETER):		5,500 SF	
<b>ACTUAL AREA:</b>			
PROPOSED AREA:	<b>GROSS SF</b>	<b>NET SF</b>	
	864 GSF	471 NSF	
* NET SF = AREA INSIDE EXTERIOR WALLS			
<b>HEIGHT:</b>			
ALLOWABLE HEIGHT (TABLE 504.3):		40'-0" (1 STORY)	
PROPOSED HEIGHT:		18'-7" (1 STORY)	
5. **OCCUPANT LOAD:**

USE	SIZE	OCC'S PER SF	OCCS.
POOL	1,200 SF	1 OCC PER 50 SF	24
POOL DECK	4,200 SF	1 OCC PER 15 SF	280
			TOTAL: 304

NOTE: POOL HOUSE SQUARE FOOTAGE IS CONSIDERED NON-SIMULTANEOUS OCCUPANCY
6. **MEANS OF EGRESS:**

<b>SPACE</b>	<b>EXITS REQ'D</b>	<b>EXITS PROVIDED</b>
POOL + POOL DECK	2	2
<b>ELEMENT</b>	<b>WIDTH REQ'D</b>	<b>WIDTH PROVIDED</b>
POOL GATE TO PARKING LOT	30.4	72"
POOL GATES AT FRONT OF BLDG	30.4	44"

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**LIFE SAFETY PLAN**  
**Lexington Plantation Pool House**  
 400 Centennial Parkway Cameron, NC 28326

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**LS1.0**

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DESIGN CRITERIA:

- 1. DESIGNED UNDER THE PROVISIONS OF THE 2018 NORTH CAROLINA STATE BUILDING CODE/INTERNATIONAL BUILDING CODE(IBC) 2015/ASCE 7-10
2. DESIGN LOADS:
LIVE LOADS:
ROOF LIVE LOAD = 20 PSF
FIRST FLOOR SLAB ON GRADE = 100 PSF
SNOW LOADS:
DESIGN GROUND SNOW LOAD, Pg = 10 PSF
SNOW EXPOSURE FACTOR, Ce = 1.0
SNOW IMPORTANCE FACTOR, Is = 1.0??
THERMAL FACTOR, Ct = 1.2
FLAT ROOF SNOW LOAD, Pf = 8.4 PSF
WIND LOAD (ULTIMATE):
DESIGN WIND VELOCITY,V3S = 120 MPH
RISK CATEGORY: = II
WIND IMPORTANCE FACTOR, Iw = 1.0
EXPOSURE: = C
INTERNAL PRESSURE COEF. = +/-0.18
EDGE STRIP, a = 3 FT
END ZONE, Za = 6 FT
MAIN WINDFORCE RESISTING SYSTEM DESIGN PRESSURES:
INTERIOR ZONE: WALL: = 24.7 PSF
ROOF: = 17 PSF
END ZONE: WALL: = 31.1 PSF
ROOF: = 21.3 PSF
COMPONENT AND CLADDING WIND PRESSURES: (A= 100 SF)
NET ROOF UPLIFT AT CORNER = -36.7 PSF
NET ROOF UPLIFT AT EDGE STRIP = -36.7 PSF
NET ROOF UPLIFT AT INTERIOR = -31.4 PSF
WALL PRESSURE AT CORNER = -42 PSF
WALL PRESSURE AT INTERIOR = -34 PSF
WIND BASE SHEAR = 10.6 KIPS ULTIMATE (PLAN N-S)
= 5.1 KIPS ULTIMATE (PLAN E-W)
SEISMIC LOAD (ULTIMATE):
SEISMIC SITE CLASSIFICATION: = D
SEISMIC DESIGN CATEGORY: = C
RISK CATEGORY: = II
SEISMIC IMPORTANCE FACTOR, Ie = 1.0
DESIGN EARTHQUAKE:
Ss = 20.5 % g
S1 = 9.3 % g
Sds = 0.219g
Sd1 = 0.149g
SEISMIC ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE WITH DYNAMIC CHARACTERISTICS
LATERAL FORCE RESISTING SYSTEM: LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS
RESPONSE MODIFICATION COEFFICIENT, R = 6.5
DEFLECTION AMPLIFICATION FACTOR, Cd = 4
SEISMIC BASE SHEAR = 1 KIPS ULTIMATE
WIND FORCE GOVERNS LATERAL DESIGN
3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER TRADES DRAWINGS AND SPECIFICATIONS.
4. VERIFY NUMBER, SIZE, AND LOCATION OF ALL ROOF OPENINGS FROM APPROVED SHOP DRAWINGS.
5. NO LOADS IN EXCESS OF DESIGN LOADS LISTED SHALL BE PLACED ON ANY AREA DURING CONSTRUCTION UNLESS ADEQUATE SHORING OR OTHER METHOD IS APPROVED TO SUPPORT THE EXCESSIVE LOADS.
6. WHERE ALIGNMENT OF MATERIALS SUCH AS WALLS AND FACING MATERIALS WILL BE AFFECTED BY DEFLECTIONS AND ROTATIONS OF THE STRUCTURE DURING PLACEMENT OF THE MATERIALS, PROCEDURES SHALL BE USED WHICH WILL ASSURE THE CORRECT FINAL POSITIONS OF MATERIALS.
7. ALL NOTES ON STRUCTURAL DRAWINGS SHALL BE ASSUMED TYPICAL UNLESS NOTED OTHERWISE ON DRAWINGS OR SPECIFICATIONS.
8. SECTIONS AND DETAILS ARE TO BE USED IN ALL SIMILAR LOCATIONS UNLESS OTHERWISE SHOWN BY OTHER DETAILS AND/OR SECTIONS.
9. SEE ARCHITECTURAL DRAWINGS FOR WEATHERPROOFING DETAILS.
10. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION OF CONSTRUCTION OF THE PROJECT AND THEN, ONLY TO SUPPORT THE DESIGN LOADS INDICATED.
11. CHECK ALL DIMENSIONS AGAINST THE REQUIREMENTS OF OTHER CONTRACT DOCUMENTS.
12. PROMPTLY NOTIFY THE ENGINEER OF ANY STRUCTURAL MEMBER CALLED OUT ON THE ARCHITECTURAL, MECHANICAL, PLUMBING, OR ELECTRICAL DRAWINGS THAT IS NOT IDENTIFIED ON THE STRUCTURAL DRAWINGS.
13. WHERE CONFLICT EXISTS AMONG THE VARIOUS PARTS OF THE ENTIRETY OF THE STRUCTURAL SUBMITTAL (CONTRACT DOCUMENTS, STRUCTURAL DRAWINGS, GENERAL NOTES, SPECIFICATIONS, SECTIONS, ETC.) THE STRICTEST REQUIREMENTS, AS INDICATED BY THE STRUCTURAL ENGINEER, SHALL GOVERN. U.N.O.

SUBMITTALS FOR APPROVAL:

- CONCRETE:
PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
DESIGN MIXTURES: FOR EACH CONCRETE MIXTURE.
STEEL REINFORCEMENT SHOP DRAWINGS: PLACING DRAWINGS THAT DETAIL FABRICATION, BENDING, AND PLACEMENT.
WOOD PRE-ENGINEERED TRUSSES:
PRODUCT DATA: FOR METAL-PLATE CONNECTORS, METAL TRUSS ACCESSORIES, AND FASTENERS.
SHOP DRAWINGS: SHOW FABRICATION AND INSTALLATION DETAILS FOR TRUSSES.
SHOW LOCATION, PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS REQUIRED.
INDICATE SIZES, STRESS GRADES, AND SPECIES OF LUMBER.
INDICATE LOCATIONS OF PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.
INDICATE LOCATIONS, SIZES, AND MATERIALS FOR PERMANENT BRACING REQUIRED TO PREVENT BUCKLING OF INDIVIDUAL TRUSS MEMBERS DUE TO DESIGN LOADS.
DELEGATED-DESIGN SUBMITTAL: FOR METAL-PLATE-CONNECTED WOOD TRUSSES INDICATED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA, INCLUDING ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
WOOD ENGINEERED CONSTRUCTION:
ENGINEERED WOOD PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
WOOD EXTERIOR CARPENTRY:
PRODUCT DATA: FOR PRESERVATIVE-TREATED WOOD PRODUCTS.

GENERAL STRUCTURAL NOTES AND SPECIFICATIONS

SPECIAL INSPECTIONS:

- 1. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 NORTH CAROLINA STATE BUILDING CODE.
2. SPECIAL INSPECTIONS FOR CONCRETE CONSTRUCTION SHALL MEET REQUIREMENTS OF SECTION 1705.3 AND TABLE 1705.3.
3. SPECIAL INSPECTIONS FOR WOOD CONSTRUCTION SHALL MEET REQUIREMENTS OF SECTION 1705.5.

DIVISION 3:

CONCRETE NOTES:

- 1. ALL DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL, FORM WORK, MIXING, HANDLING, PLACING, FINISHING, AND CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315) AND ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318).
2. CONCRETE SHALL CONFORM TO ASTM C94. MINIMUM STRENGTH AT 28 DAYS SHALL BE 3000 PSI FOR FOOTING CONCRETE AND 4000 PSI FOR ALL OTHER CONCRETE.
3. CONCRETE SLABS ON GRADE SHALL BE FINISHED TO THE FOLLOWING TOLERANCES:
MINIMUM LOCALIZED: FF=25 FL=20
FF=15 FL=10
4. EXTERIOR CONCRETE SHALL BE AIR ENTRAINED, AIR CONTENT TO BE BETWEEN 5 AND 7 PERCENT BY VOLUME.
5. ALL REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 (S1), NEW BILLET STEEL DEFORMED BARS, GRADE 60.
6. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT NEAREST THE DESCRIBED SURFACE, UNLESS NOTED OTHERWISE:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
7. COORDINATE LOCATIONS AND DEPTHS OF ALL FLOOR SLAB DEPRESSIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
8. UNLESS NOTED OTHERWISE, SLABS ON GRADE SHALL HAVE EITHER CONSTRUCTION JOINTS OR SAW CUT JOINTS SPACED SO THE JOINTS FORM PANELS IN THE SLAB WITH NO SLAB PANEL GREATER THAN 144 SQUARE FEET NOR MORE THAN 12 FEET IN ANY ONE DIRECTION.
9. INTERIOR SLAB CONCRETE SHALL RECEIVE A STEEL TROWEL FINISH. IMMEDIATELY FOLLOWING FINISHING, THE CONCRETE SHALL BE PROTECTED FROM PREMATURE OR EXCESSIVE DRYING, TEMPERATURE EXTREMES AND INJURY.
10. CAST SIX CYLINDERS OF EACH CONCRETE POUR. TEST TWO CYLINDERS SEVEN DAYS AFTER CASTING AND TWO 28 DAYS AFTER CASTING. HOLD TWO CYLINDERS FOR POSSIBLE TEST UNTIL 60 DAYS AFTER CASTING. DISPOSE OF CYLINDERS IF TEST IS NOT REQUESTED.

DIVISION 5:

POST INSTALLED ANCHORS AND DOWELS NOTES:

- 1. ANCHOR OR DOWEL CAPACITY USED IN CONSTRUCTION SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY THE MANUFACTURER OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
2. INSTALL ANCHORS AND DOWELS STRICTLY IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS.
3. ANCHOR CAPACITY DEPENDS ON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE OR MASONRY.
4. INSTALL ANCHORS AND DOWELS IN HOLES DRILLED PER MANUFACTURER REQUIREMENTS, TO DEPTH INDICATED, AND NOT LESS THAN MINIMUM EMBEDMENT DEPTH RECOMMENDED BY ADHESIVE MANUFACTURER.
5. ADHESIVE ANCHOR SHALL CONSIST OF THREADED ROD, NUT, WASHER, AND ADHESIVE.
6. ADHESIVE DOWEL SHALL CONSIST OF REINFORCING BAR AND ADHESIVE.
7. INSTALL SCREW ANCHORS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN PROCEDURES.

DIVISION 6:

STRUCTURAL (ROUGH) CARPENTRY NOTES:

- 1. WOOD FOR STUDS, BEAMS, JOISTS, HEADERS, AND PLATES SHALL BE NO. 2 SOUTHERN YELLOW PINE, WITH MOISTURE CONTENT NOT TO EXCEED 15%.
2. PLYWOOD SHALL BE APA RATED SHEATHING WITH EXTERIOR GLUE.
3. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, GROUND, OR EXPOSED TO WEATHER / MOISTURE, SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD U1.
4. WOOD ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED BY A MEMBER FIRM OF THE TRUSS PLATE INSTITUTE TO CARRY THE FULL DEAD AND LIVE LOADS INDICATED AT THE INDICATED SPACINGS AND SPANS.
5. UNLESS NOTED OTHERWISE, ALL FASTENING TO STRUCTURAL WOOD SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 OF THE 2018 NORTH CAROLINA BUILDING CODE.
6. WHERE INDICATED "MICROLLAM" LVL LUMBER SHALL BE EQUAL TO THAT AS MANUFACTURED BY THE TRUS JOIST CORPORATION.

PRE-ENGINEERED WOOD TRUSS NOTES:

- 1. REFER TO DESIGN CRITERIA NOTES IN CONJUNCTION WITH THESE NOTES.
2. ALL ROOF MEMBERS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES, ETC.
3. WOOD ROOF TRUSS SYSTEM SHALL BE FABRICATED TO PROVIDE THE ROOF LINES INDICATED ON THE ARCHITECTURAL PLANS, SECTIONS, AND ELEVATIONS.
4. ROOF TRUSSES ARE NOT STABLE UNTIL PROPERLY BRACED AND SHEATHED.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY BRACE ROOF FRAMING INCLUDING BOTH TEMPORARY AND PERMANENT BRACING.
6. PERMANENT TRUSS TOP CHORD BRACING: PLYWOOD ROOF SHEATHING
7. PERMANENT TRUSS CHORD BOTTOM CHORD BRACING: GYPSUM BOARD CEILING OR RIGID SOFFIT.
8. PERMANENT TRUSS VERTICAL WEB BRACING: 2x4 CROSS BRACING INSTALLED IN THE PLANE OF THE WEBS AS TRUSSES ARE ERECTED.
9. TYPICAL BRACING MEMBERS TO BE 2x4 (MINIMUM) CONNECTED TO TRUSS WITH MIN. (2) 16d NAILS AT EACH TRUSS.
10. ALL WOOD ROOF TRUSSES SHALL BE CONNECTED TO BEARING WALL TOP PLATES WITH "SIMPSON STRONG TIE" STANDARD METAL HURRICANE ANCHORS AT EACH END.
11. PROVIDE AND INSTALL METAL H CLIPS AT ALL PLYWOOD BUTT JOINTS WHICH OCCUR BETWEEN ROOF TRUSSES OR RAFTERS WHICH ARE SPACED GREATER THAN 16"o.c.
12. IT SHALL BE THE ROOF TRUSS MANUFACTURER'S RESPONSIBILITY TO VERIFY WITH THE GENERAL CONTRACTOR THE SIZES, WEIGHTS, AND LOCATIONS, ETC.
13. COORDINATE WOOD TRUSS TAILS, CANTILEVERS, AND END DIMENSIONS WITH ARCHITECTURAL WALL SECTIONS AND EAVE DETAILS.
14. TRUSS DESIGN LOADS U.N.O. OR SCHEDULED SHALL BE AS FOLLOWS:
TOP CHORD LIVE LOAD 20 PSF
BOTTOM CHORD LIVE LOAD 20 PSF (NON-ATTIC AREAS)
20 PSF OR WEIGHT OF MECHANICAL UNITS AS REQUIRED (ATTIC AREAS)
WIND UPLIFT 15 PSF (" OR PER TRUSS MANUFACTURER)
TOP CHORD DEAD LOAD 10 PSF
BOTTOM CHORD DEAD LOAD 10 PSF

DIVISION 31:

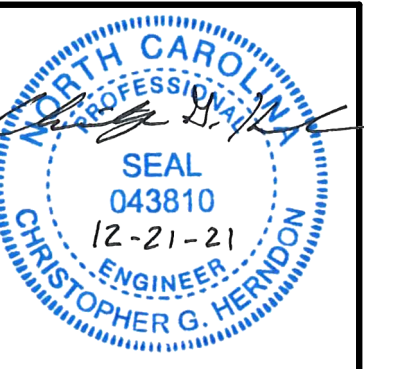
FOUNDATION EARTHWORK NOTES:

- 1. FOUNDATION SIZES AND ELEVATIONS ARE BASED ON AN ASSUMED ALLOWABLE SAFE SOIL BEARING CAPACITY OF 2,000 PSF.
2. FOUNDATION PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH RECOMMENDATIONS MADE BY PROJECT GEOTECHNICAL ENGINEER.
3. ALL STRUCTURALLY COMPACTED FILL SHALL BE OF MATERIAL CLASSIFIED CL, ML, SC, SM, SP, SW, GC, GM, OR GW ACCORDING TO ASTM D-2487.
4. AFTER STRIPPING MATERIAL FROM AREA TO BE GRADED, REMOVE ALL UNSUITABLE MATERIAL FROM EXPOSED SUB-GRADE.
5. ALL FILL SHALL BE PLACED IN 6"-8" UNCOMPACTED LIFTS (MAXIMUM) AND COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY.
6. ALL FOUNDATION EXCAVATIONS SHALL BE OBSERVED BY THE PROJECT GEOTECHNICAL ENGINEER.
7. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING CONSTRUCTION TO DIRECT WATER AWAY FROM FOUNDATION CONSTRUCTION AREAS.
8. CONTRACTOR SHALL COORDINATE EXTERIOR SITE WORK, INCLUDING STEPS, WALKS, WALLS, AND FINISHED GRADES, WITH FOUNDATION WORK.

DRAPER ADEN ASSOCIATES REVIEW

THESE PLANS HAVE BEEN SUBJECTED TO TECHNICAL AND QUALITY REVIEWS BY:

Table with 4 columns: Name, Title, Signature, Date. Includes Christopher G. Herndon, PE and David W. Spriggs, PE.



Draper Aden Associates logo and contact information including address (114 Edinburgh South Drive, Suite 200), phone (919-822-0684), website (www.daa.com), and list of office locations.

GENERAL NOTES
Lexington Plantation Pool House
400 Centennial Parkway Cameron, NC 28326

Table with 3 columns: NO., DESCRIPTION, DATE. Includes a REVISIONS section and PROJECT NUMBER: 2101033.

S0.1



**2018 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: Lexington Plantation Pool House  
 Address: 400 Centennial Parkway Cameron, NC Zip Code 28326  
 Owner/Authorized Agent: Village at Lexington Phone # ( 910 ) 484 - 5400 E-Mail jamie@littleandyoung.net  
 Owned By:  HOA  City/County  Private  State  
 Code Enforcement Jurisdiction:  City  County Harnett  State

**CONTACT:** Christopher G. Herndon, PE CWI

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural				( )	
Civil	<u>Draper Aden Associates</u>	<u>Andrew P. Mericle, PE</u>	<u>041595</u>	<u>( 919 ) 827-0864</u>	<u>americle@daa.com</u>
Electrical				( )	
Fire Alarm				( )	
Plumbing	<u>Coastal Plains Engineering, PA</u>	<u>Christopher S. Locklear, PE</u>	<u>020193</u>	<u>( 910 ) 521-7213</u>	<u>coastalplainseng@gmail.com</u>
Mechanical				( )	
Sprinkler-Standpipe				( )	
Structural	<u>Draper Aden Associates</u>	<u>Christopher G. Herndon, PE CWI</u>	<u>043810</u>	<u>( 919 ) 827-0864</u>	<u>cherndon@daa.com</u>
Retaining Walls >5' High				( )	
Other				( )	

*("Others" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)*

**2018 NC CODE FOR:**  New Construction  Addition  Renovation  
 1<sup>st</sup> Time Interior Completion  
 Shell/Core  
 Phased Construction – Shell/Core  
 Renovation

**2018 NC EXISTING BUILDING CODE:**  Prescriptive  Repair  Chapter 14  
 Alteration:  Level I  Level II  Level III  
 Historic Property  Change of Use

CONSTRUCTED:(date) \_\_\_\_\_ ORIGINAL OCCUPANCY(S) (Ch. 3): \_\_\_\_\_  
 RENOVATED: (date) \_\_\_\_\_ CURRENT OCCUPANCY(S) (Ch. 3): \_\_\_\_\_  
**RISK CATEGORY (table 1604.5)** Current:  I  II  III  IV  
 Proposed:  I  II  III  IV

**BASIC BUILDING DATA**  
 Construction Type:  I-A  II-A  III-A  IV  V-A  
 (check all that apply)  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  
 Special Inspections Required:  No  Yes

2018 NC Administrative Code and Policies Appendix B for Building

**2018 APPENDIX B  
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**  
STRUCTURAL DESIGN  
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

**DESIGN LOADS:**

**Importance Factors:** Snow (Is) 1.0  
 Seismic (Ie) 1.0

**Live Loads:** Roof 20 psf  
 Mezzanine    psf  
 Floor 100 psf

**Ground Snow Load:** 10 psf

**Wind Load:** Ultimate Wind Speed 120 mph (ASCE-7)  
 Exposure Category C

**SEISMIC DESIGN CATEGORY:**

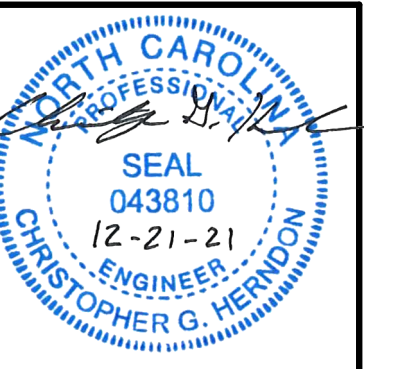
Provide the following Seismic Design Parameters:  
**Risk Category** (Table 1604.5)  I  II  III  IV  
**Spectral Response Acceleration** S<sub>s</sub> 20.5 %g S<sub>1</sub> 9.3 %g  
**Site Classification** (ASCE 7)  A  B  C  D  E  F  
 Data Source:  Field Test  Presumptive  Historical Data  
**Basic structural system**  Bearing Wall  Dual w/Special Moment Frame  
 Building Frame  Dual w/Intermediate R/C or Special Steel  
 Moment Frame  Inverted Pendulum  
 Simplified  Equivalent Lateral Force  Dynamic  
**Analysis Procedure:**  Yes  No  
**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 2,000 psf  
 Pile size, type, and capacity \_\_\_\_\_

2018 NC Administrative Code and Policies Appendix B for Building



**Draper Aden Associates**  
*Engineering • Surveying • Environmental Services*

114 Edinburg South Drive, Suite 200 • Richmond, VA  
 819-827-0864, Fax: 819-839-8138 • Blacksburg, VA  
 www.daa.com • Charlottesville, VA  
 NC Firm License # F-1429

• Hampton Roads, VA  
 • Fayetteville, NC  
 • Northern Virginia  
 • Virginia Beach, VA

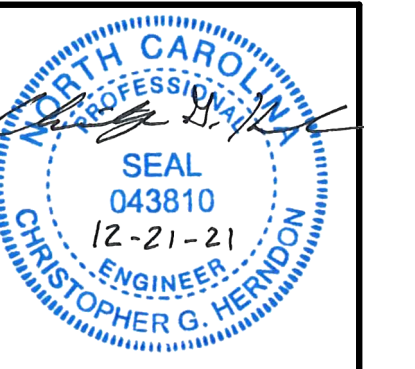
**APPENDIX B**  
**Lexington Plantation Pool House**  
 400 Centennial Parkway Cameron, NC 28326

REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED BY: CGH  
 DRAWN BY: CGH  
 CHECKED BY: DWS  
 SCALE: \_\_\_\_\_  
 DATE: 12/21/21  
 PROJECT NUMBER: 2101033

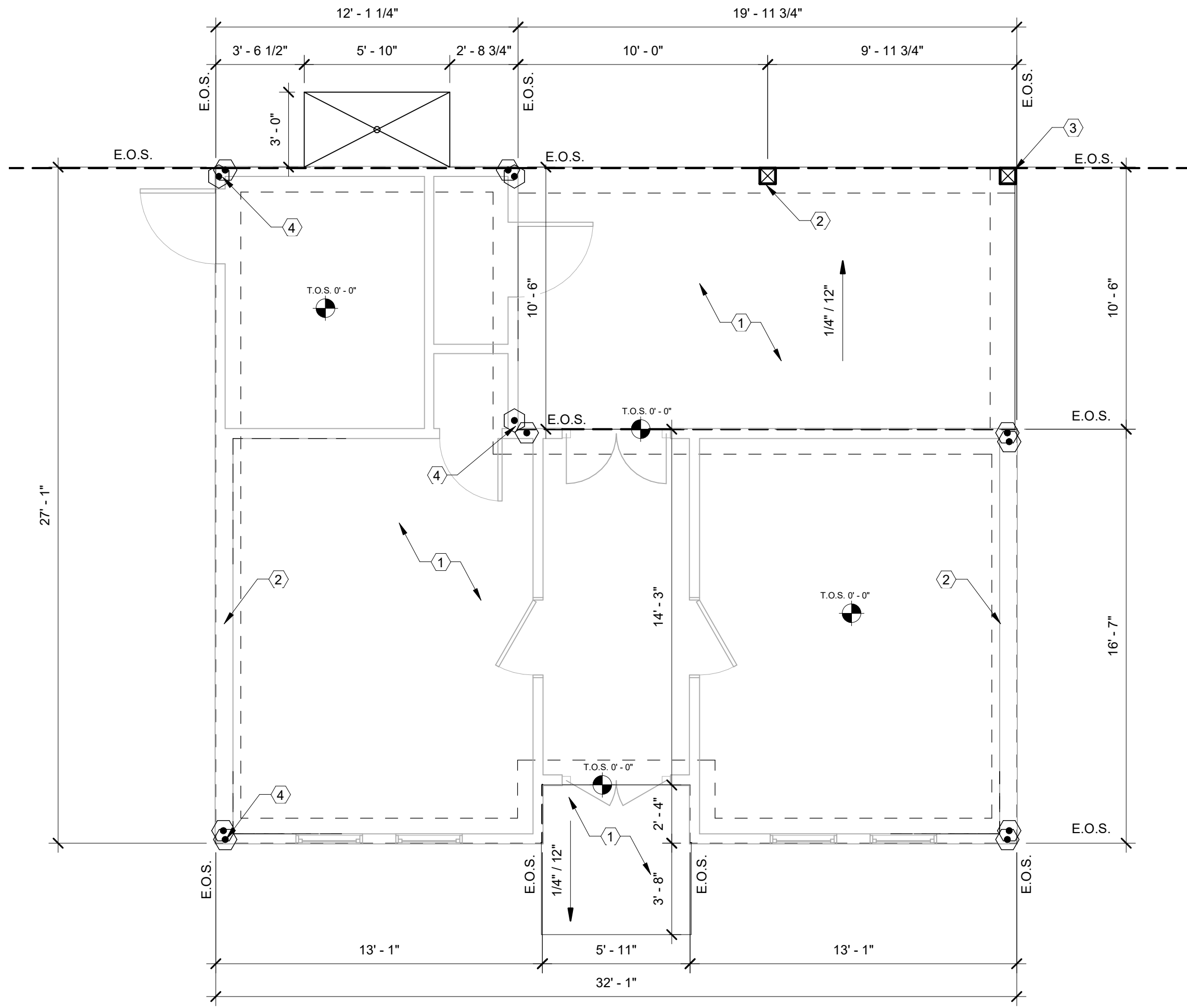
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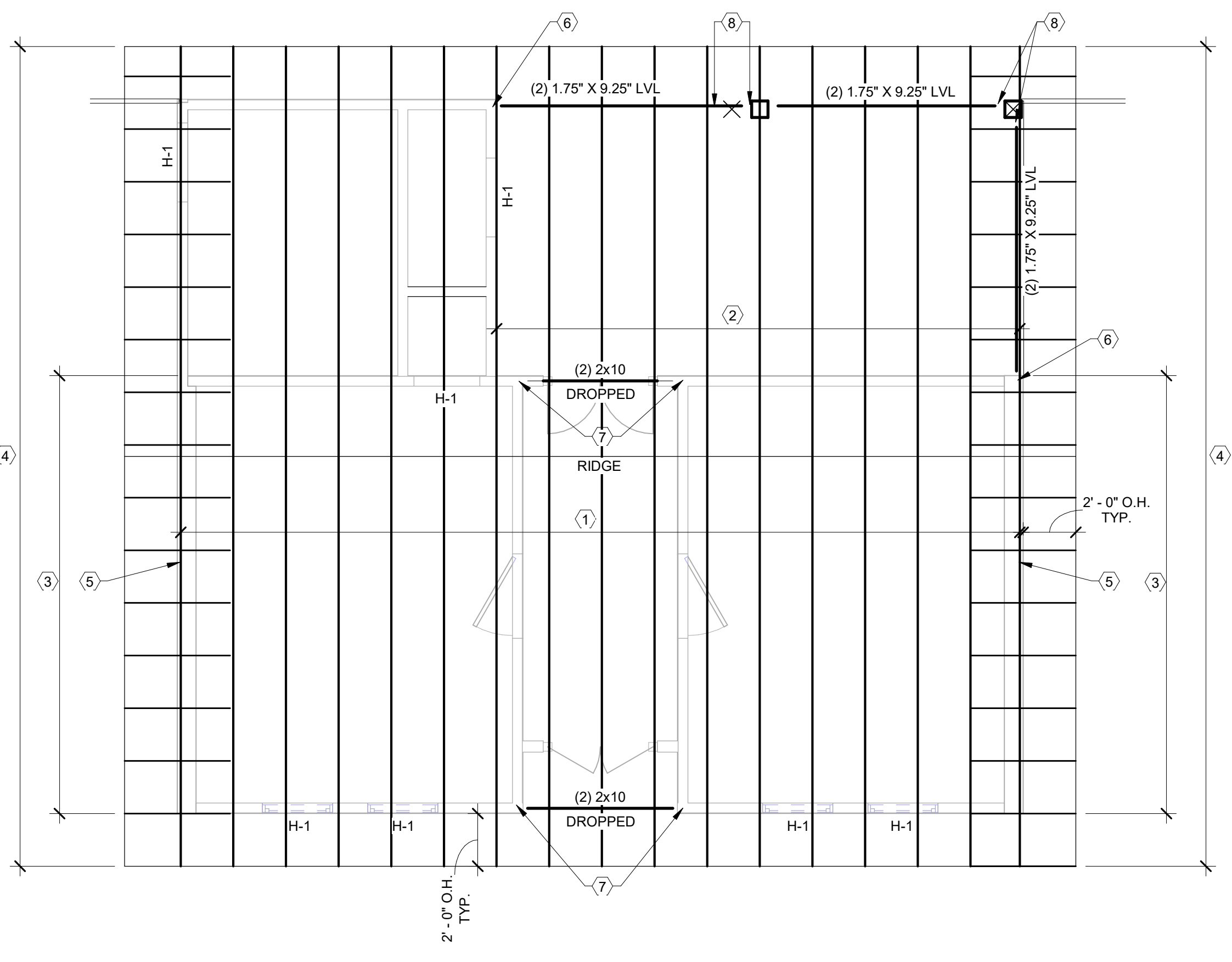
**Draper Aden Associates**  
 Engineering • Surveying • Environmental Services  
 114 Edinborough South Drive, Suite 200 • Richmond, VA  
 919-827-0684, Fax: 919-539-8138 • Blacksburg, VA  
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 NC Firm License # F-1429

**FOUNDATION & FRAMING PLANS**  
 Lexington Plantation Pool House  
 400 Centennial Parkway Cameron, NC 28326



**FOUNDATION PLAN**

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



**FRAMING PLAN**

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

**FOUNDATION PLAN GENERAL NOTES:**

- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
- SEE ARCH. PLAN FOR TYPICAL WALL SECTION
- CONTRACTOR TO COORDINATE ALL DIMENSIONS, ELEVATIONS AND OPENINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO EXECUTING WORK.
- REFER TO GEOTECHNICAL REPORT FOR ALL SUBGRADE MATERIAL REQUIREMENTS.
- TYPICAL PERIMETER FOUNDATION CONSTRUCTION IS 18" DEEP BY 12" WIDE TURNDOWN SLAB REINFORCED W/ (2) #5 CONT., BOT..
- TYPICAL ANCHOR BOLT OF EXT. STUD WALL SILL PLATE: 5/8" DIA. ANCHOR BOLTS @ 6'-0"o.c. MAX. w/ MIN. 9" EMBEDMENT.
- TYPICAL LAP SPLICE FOR REBAR: 48 BAR DIAMETERS.

**FOUNDATION PLAN KEYNOTES:**

- 4" CONC. SLAB ON GRADE REINFORCED W/ 6X8-W1.4XW1.4 MID-DEPTH OVER 10 MIL VAPOR BARRIER ON 4" COMPACTED POROUS FILL.
- TURNDOWN SLAB AT PERIMETER, TYP. SEE "FOUNDATION PLAN GENERAL NOTES"
- 8X8 PRESSURE TREATED POST, TYP. SECURE TO CONC. SLAB W/ SIMPSON CPT88Z CONCEALED POST TIE W/ (2) 1/2"o HOT DIP GALVANIZED THREADED RODS W/ HILTI HIT-HY200 ADHESIVE, MIN. EMBED 6".
- SYMBOL DENOTES HOLD DOWN AT THIS LOCATION, TYP.. SEE "SHERWALL NOTE" THIS SHEET FOR MORE INFO
- OUTDOOR SHOWER, SLOPE TO DRAIN ALL SIDES, TYP.

NOTE:  
 LATERAL BRACING SYSTEM - LIGHT FRAME WOOD WALLS WITH WOOD SHEAR PANELS

**SHERWALL NOTE:**  
 ALL EXTERIOR WALLS TO BE CONSTRUCTED THUS:  
 WALL STUDS & WALL SHEATHING PER "DESIGN ITEMS" THIS SHEET.  
 5/8" DIA. ANCHOR BOLTS W/ 1/4"x3"x3" PLATE WASHERS TO BE INSTALLED @ 6'-0"o.c. (MAX.) & WITHIN 1'-0" (MAX.) FROM CORNERS & SILL PLATE SPLICE LOCATIONS.  
 INSTALL (1) HDU2-SDS2.5 w/ DOUBLE STUD @ LOCATIONS INDICATED ON PLAN THUS:  
 AT HOLD DOWN LOCATIONS, SECURE W/ 5/8" DIA. THREADED RODS W/ HILTI HIT-HY200 ADHESIVE W/ 9" EMBEDMENT INTO TURNDOWN SLAB.

**FRAMING PLAN GENERAL NOTES:**

- SEE SHEET S0.1 FOR GENERAL STRUCTURAL NOTES.
- SEE ARCH. PLAN FOR TYPICAL WALL SECTION
- PROVIDE SOLID BLOCKING BETWEEN TRUSSES AT BEARING LOCATIONS @ 4'-0" O.C. (MAX), TYP.
- BRACE TOP OF ALL INTERIOR STUD WALLS TO STRUCTURE ABOVE.
- ALL WOOD IN CONTACT w/ CONCRETE OR EXPOSED TO WEATHER TO BE TREATED.
- COORDINATE BRIDGING REQUIREMENTS FOR PRE-ENGINEERED FRAMING w/ MANUFACTURER.

**DESIGN ITEMS:**

<b>EXTERIOR WALLS:</b>	2x4 STUDS @ 16"o.c. (MAX), U.N.O.
<b>EXTERIOR WALL SHEATHING:</b>	7/16" PLYWOOD SHEATHING (1-SIDED)
<b>FASTENING:</b>	8d NAILS @ 6"o.c. ALONG PANEL EDGES @ 12"o.c. AT INTERMEDIATE SUPPORTS
<b>ROOF SHEATHING:</b>	1/2" PLYWOOD
<b>FASTENING:</b>	8d NAILS @ 6"o.c. ALONG PANEL EDGES @ 12"o.c. AT INTERMEDIATE SUPPORTS

**FRAMING PLAN KEYNOTES:**

- PRE-ENGINEERED WOOD ROOF TRUSSES @ 2'-0" O.C. (MAX), TYP., U.N.O.
- ROOF TRUSSES BEAR ON WALL/BEAM BELOW, TYP. @ THIS LOCATION ONLY. PROVIDE FULL HEIGHT TRUSS BLOCKS PER MANUF. @ 2'-0" O.C. BTWN. TRUSSES TO TRANSFER LOAD TO SHEARWALL BELOW, TYP.
- 2X8 STUDS @ 1'-4" O.C. (MAX), TYP.
- 2X4 OUTRIGGERS @ 2'-0" O.C. (MAX), TYP.
- STEP DOWN GABLE END TRUSS TO ALLOW FOR 2X4 OUTRIGGERS
- (3) 2X STUDS UNDER PORCH BAND BRG. STUD SIZE TO MATCH WALL STUDS AT BEARING LOCATIONS
- (2) 2X4 STUDS AT BEAM BEARING LOCATION
- SECURE BEAMS TO COL. W/ SIMPSON HUC410 HANGERS, TYP.

**ROOF CONNECTION SCHEDULE**

CONDITION	CONNECTION REQ'D
ROOF TRUSSES @ 2'-0" O.C.	H2.5A
2X4 OUTRIGGERS TO STEP DOWN GABLE END TRUSS	H2.5A
2X4 OUTRIGGERS TO ROOF TRUSS	A35 CLIP

NOTES:  
 - ALL HANGERS, STRAPS & TIES REFERENCED IN TABLE ABOVE ARE STANDARD CONNECTORS MANUFACTURED BY SIMPSON STRONG TIE. ALTERNATIVE HANGERS ARE TO BE SUBMITTED TO EOR FOR APPROVAL PRIOR TO INSTALLATION.  
 - ALL CONNECTORS & FASTENERS EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED OR STAINLESS STEEL, TYP.

**WOOD HEADER SCHEDULE**

HEADER MARK	HEADER DESCRIPTION	SUPPORT EA. END
H-1	(2) 2X6	(2) JACK STUDS

NOTES:  
 - ALL HEADERS TO BEAR ON A MIN. OF (2) JACK STUDS EA. END  
 - FOR OPENINGS IN EXTERIOR WALLS UNDER 4'-0" USE (2) FULL HEIGHT STUDS EA. END  
 - PROVIDE 2X4 PLATE TOP & BOT OF ALL HEADERS, TYP.  
 - INSTALL 1/2" SHEATHING SPACER BETWEEN HEADER PLIES AS REQ'D, TYP.

ROOF TRUSSES TO BE PRE-ENGINEERED WOOD TRUSSES SPACED @ 2'-0"o.c. (MAX.) UNLESS NOTED OTHERWISE. SEE GENERAL STRUCTURAL NOTES FOR OTHER REQ. (TYP.)

NOTE:  
 FINAL SIGNED AND SEALED TRUSS CALCULATIONS TO BE REVIEWED BY S.E.R. PRIOR TO FABRICATION FOR COORDINATION W/ BUILDING STRUCTURAL REQUIREMENTS.

NOTE:  
 PROVIDE PERMANENT TRUSS BOTTOM CHORD BRACING: GYPSUM BOARD SHEATHING

REVISIONS

NO.	DESCRIPTION	DATE

DESIGNED BY: CGH  
 DRAWN BY: CGH  
 CHECKED BY: DWS  
 SCALE: As indicated  
 DATE: 12/21/21  
 PROJECT NUMBER: 2101033

**S1.0**