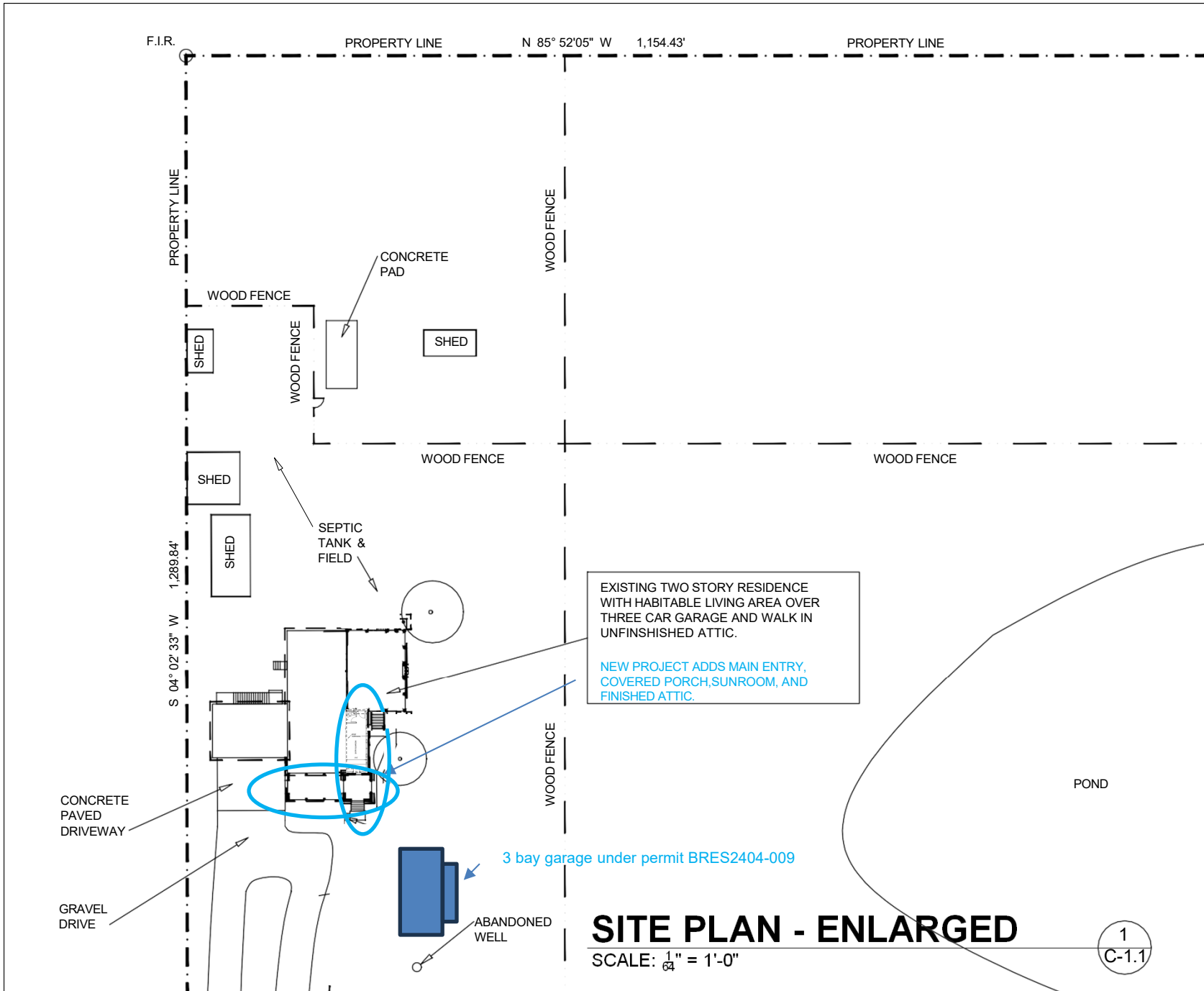


SITE PLAN

SCALE: NONE

logo		
04/14/2023	LDN	SITE PLAN
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON ldnelsondesign19@gmail.com 919-498-6545
designer of record		contact
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL
owner		project title
 north arrow		
<h1>C-1</h1> <p>1 of 53 drawing sheet</p>		



EXISTING TWO STORY RESIDENCE WITH HABITABLE LIVING AREA OVER THREE CAR GARAGE AND WALK IN UNFINISHED ATTIC.

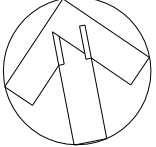
NEW PROJECT ADDS MAIN ENTRY, COVERED PORCH, SUNROOM, AND FINISHED ATTIC.

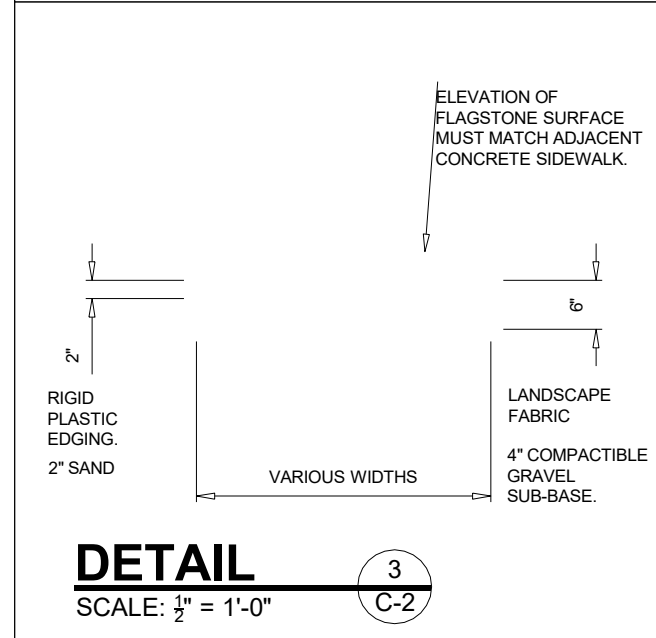
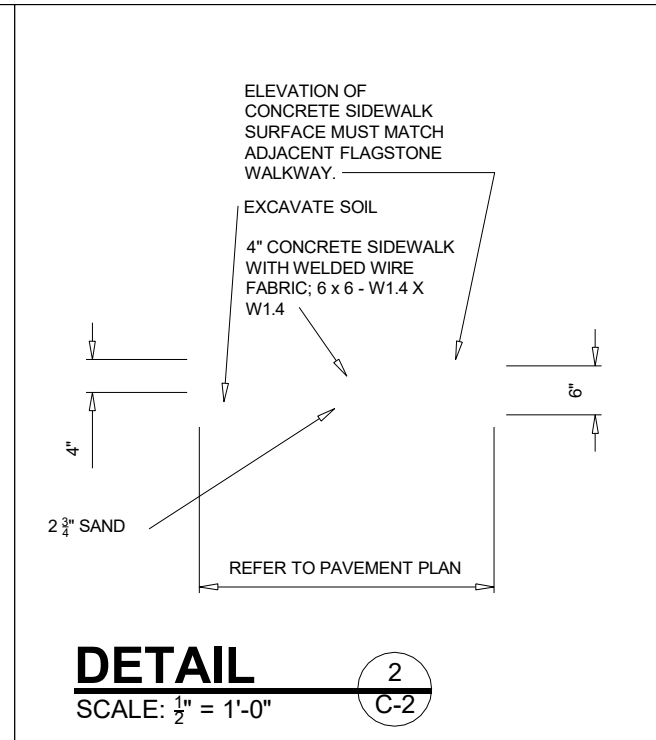
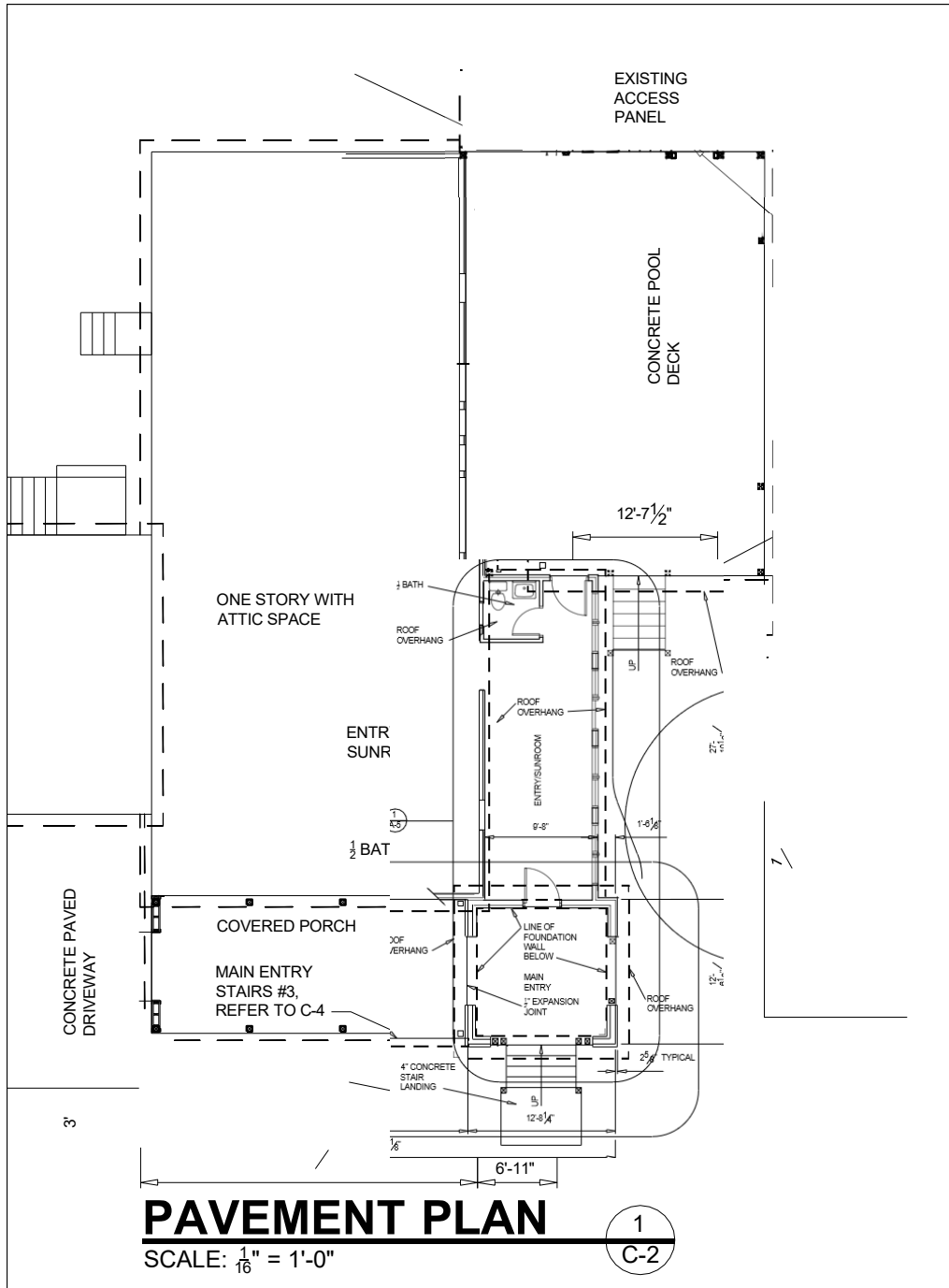
3 bay garage under permit BRES2404-009

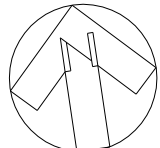
SITE PLAN - ENLARGED

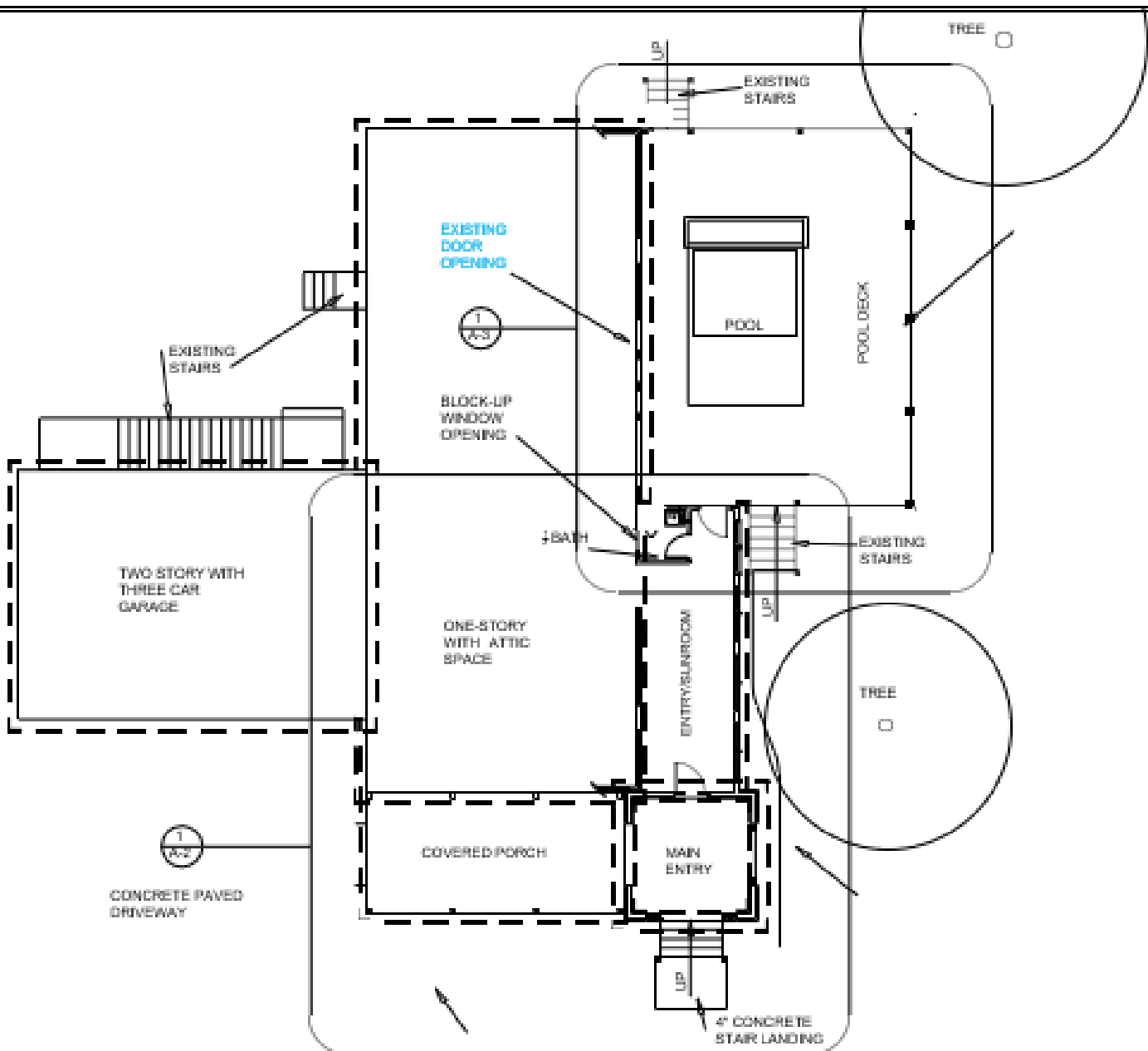
SCALE: $\frac{1}{64}'' = 1'-0''$

1
C-1.1

logo		
04/14/2023	LDN	ENLARGED SITE PLAN
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON lindesign19@gmail.com 919-498-6545
designer of record	contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner	project title	
 <p>north arrow</p>		
<h1>C-1.1</h1> <p>2 of 53 drawing sheet</p>		

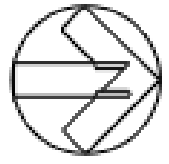


04/14/2023		logo	
date	drawn	LDN	PAVEMENT AND DETAIL
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON linrondesign19@gmail.com 919-498-6645	
designer of record		contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner		project title	
 <p>north arrow</p>			
<p>C-2</p> <p>3 of 53</p> <p>drawing sheet</p>			



FLOOR PLAN - RENOVATION AND ADDITION

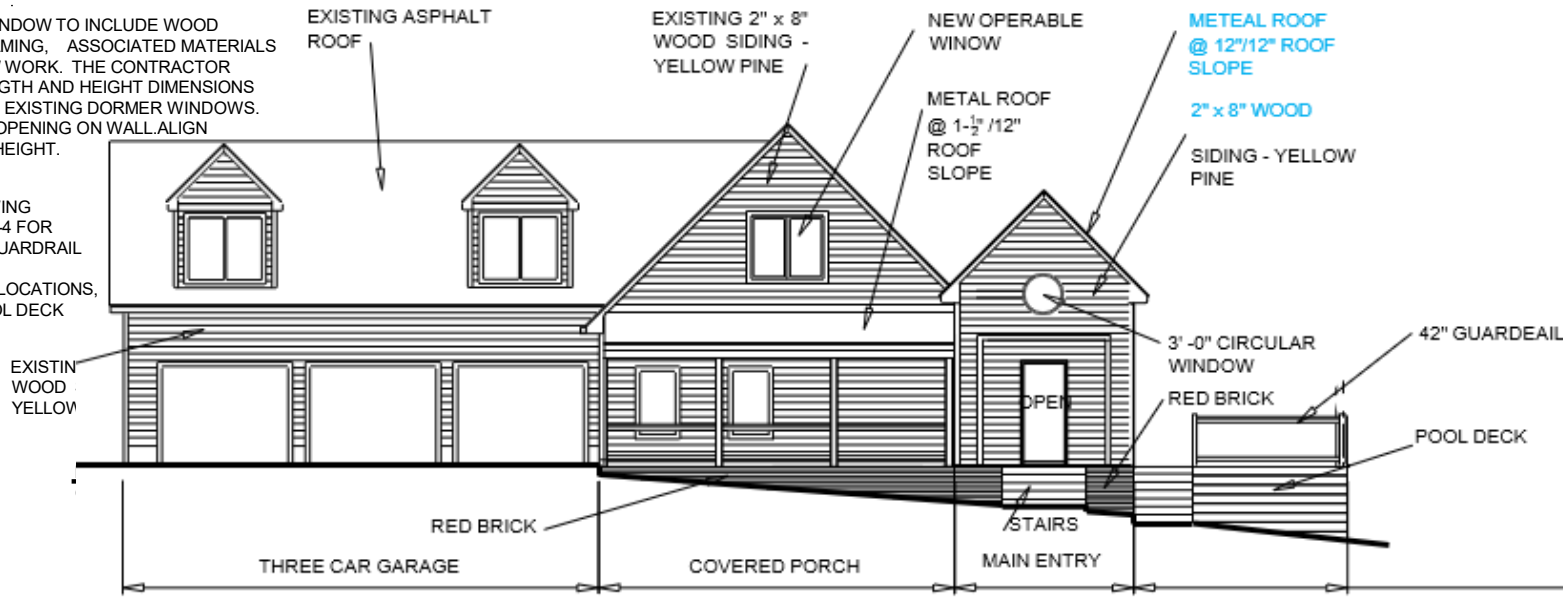
SCALE: $\frac{1}{8}'' = 1'-0''$

SCHEMATIC DESIGN	
1002100022	FLOOR PLAN
LDN	4 sheet of 4
LINE ON DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28387	LEE D. NELSON License No. 12687 919-488-8545
TOM & CHERYL SHUMACHER 4790 L. PHILLIPS LANE BROADWAY, NC 27806	1. CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL.
	
<h2>A-1</h2> <p>4 of 4 drawing sheet</p>	

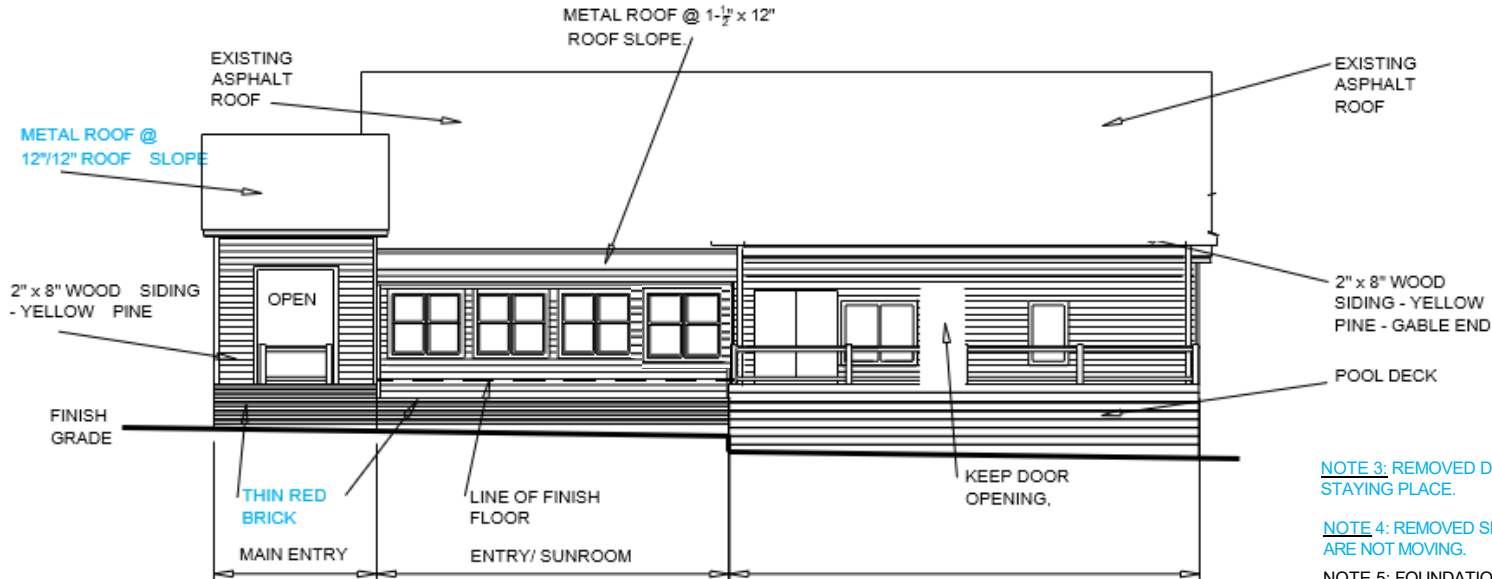
NOTES:

1. INSTALL NEW WINDOW TO INCLUDE WOOD SIDING, WOOD FRAMING, ASSOCIATED MATERIALS FOR NEW WINDOW WORK. THE CONTRACTOR SHALL VERIFY LENGTH AND HEIGHT DIMENSIONS FROM ADJACENT EXISTING DORMER WINDOWS. CENTER WINDOW OPENING ON WALL. ALIGN WINDOW SILLS IN HEIGHT.

2. REFER TO DRAWING SHEETS C-3 AND C-4 FOR HANDRAIL AND GUARDRAIL SPECIFICATIONS, CONCERNING ALL LOCATIONS, EXCEPT THE POOL DECK AREA..



FRONT ELEVATION SCALE: 1" = 1'-0"

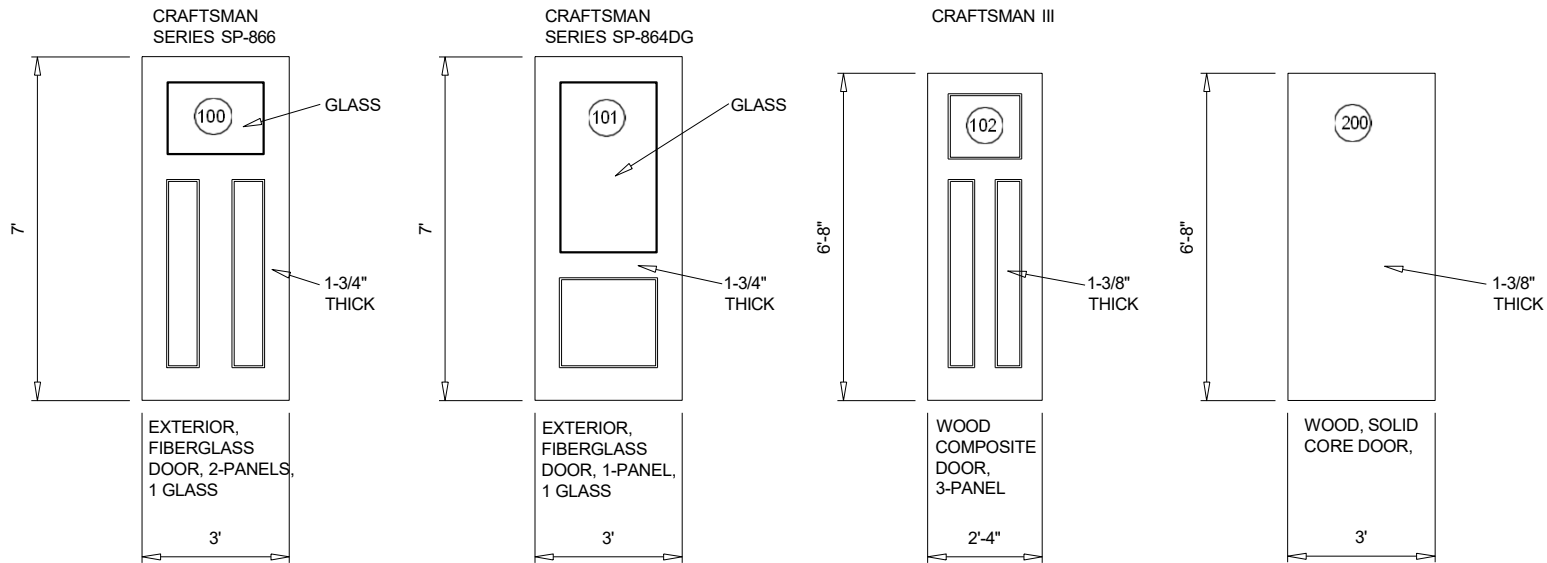


REAR ELEVATION

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

- NOTE 3: REMOVED DOOR IS STAYING PLACE.
- NOTE 4: REMOVED SINCE STAIRS ARE NOT MOVING.
- NOTE 5: FOUNDATION VENTS CENTERED UNDER WINDOWS.

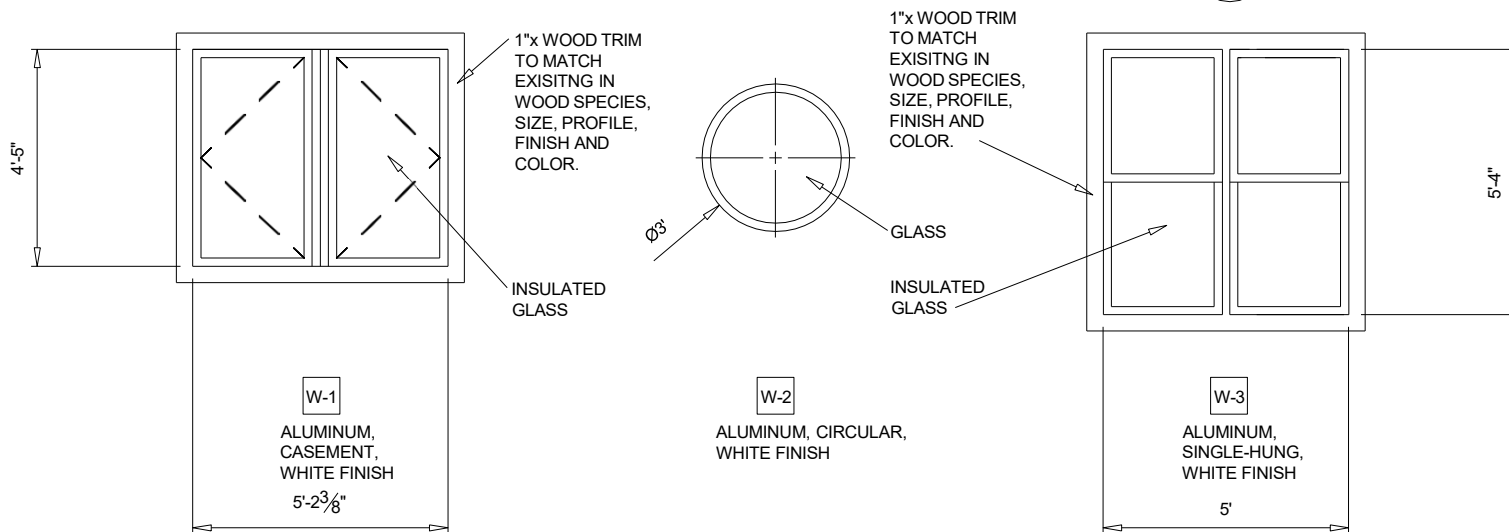
04/14/2023		logo	
date	LDN	ELEVATIONS - FRONT & REAR	
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		drawing title	
LEE D. NELSON lindesign19@gmail.com 919-498-6545		contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		project title	
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		owner	
north arrow			
A-8			
26 of 53			
drawing sheet			



DOOR ELEVATIONS

SCALE: $\frac{1}{4}'' = 1'-0''$

1
A8.1

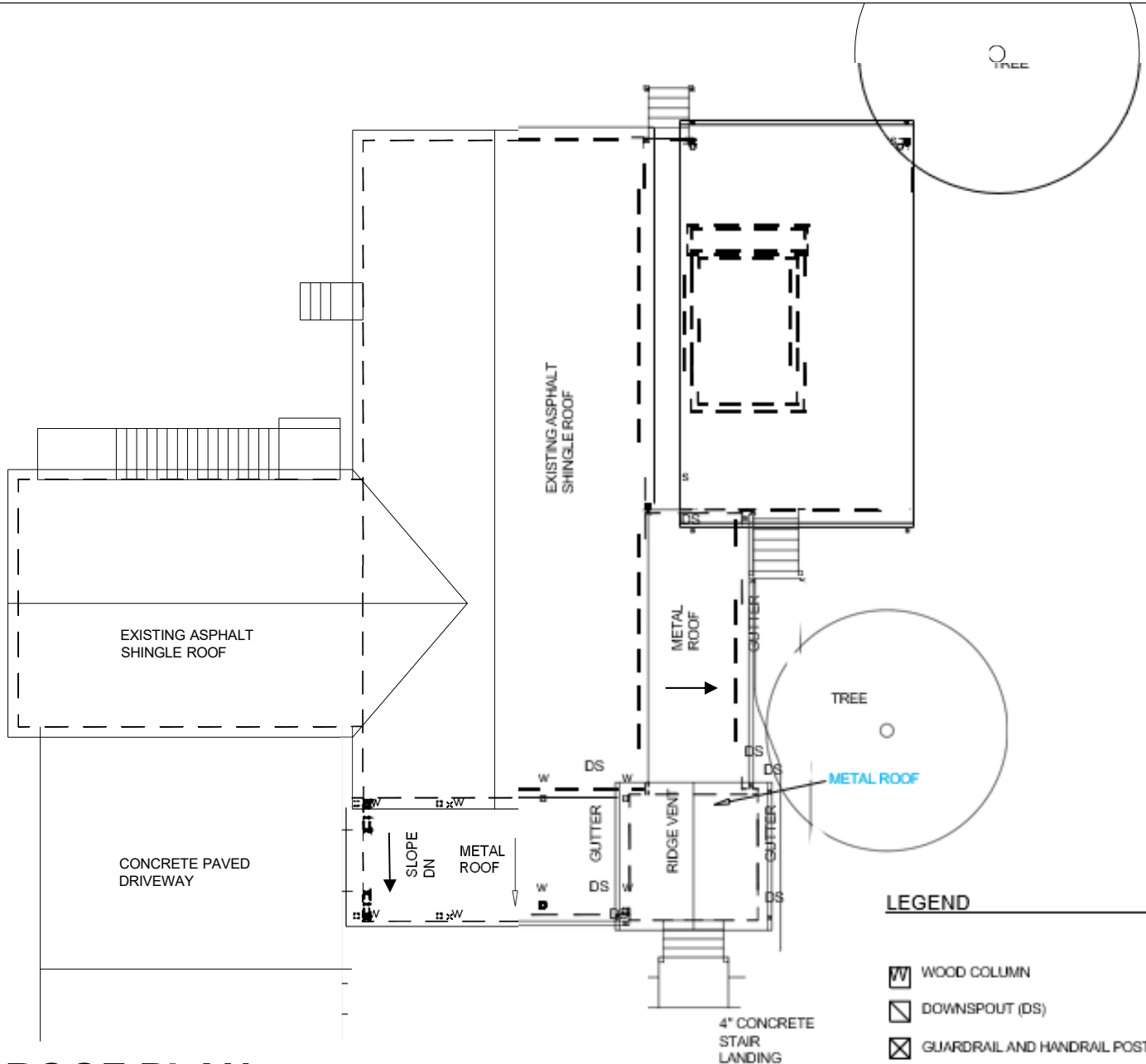


WINDOW ELEVATIONS

SCALE: $\frac{1}{4}'' = 1'-0''$

2
A8.1






logo		
04/14/2023	LDN	DOOR & WINDOW ELEVATIONS
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON linrndesign19@gmail.com 919-498-6645
designer of record	contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27605	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner	project title	
north arrow		
<h1>A8.1</h1>		
27 of 53		
drawing sheet		

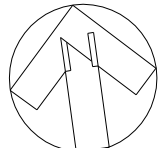


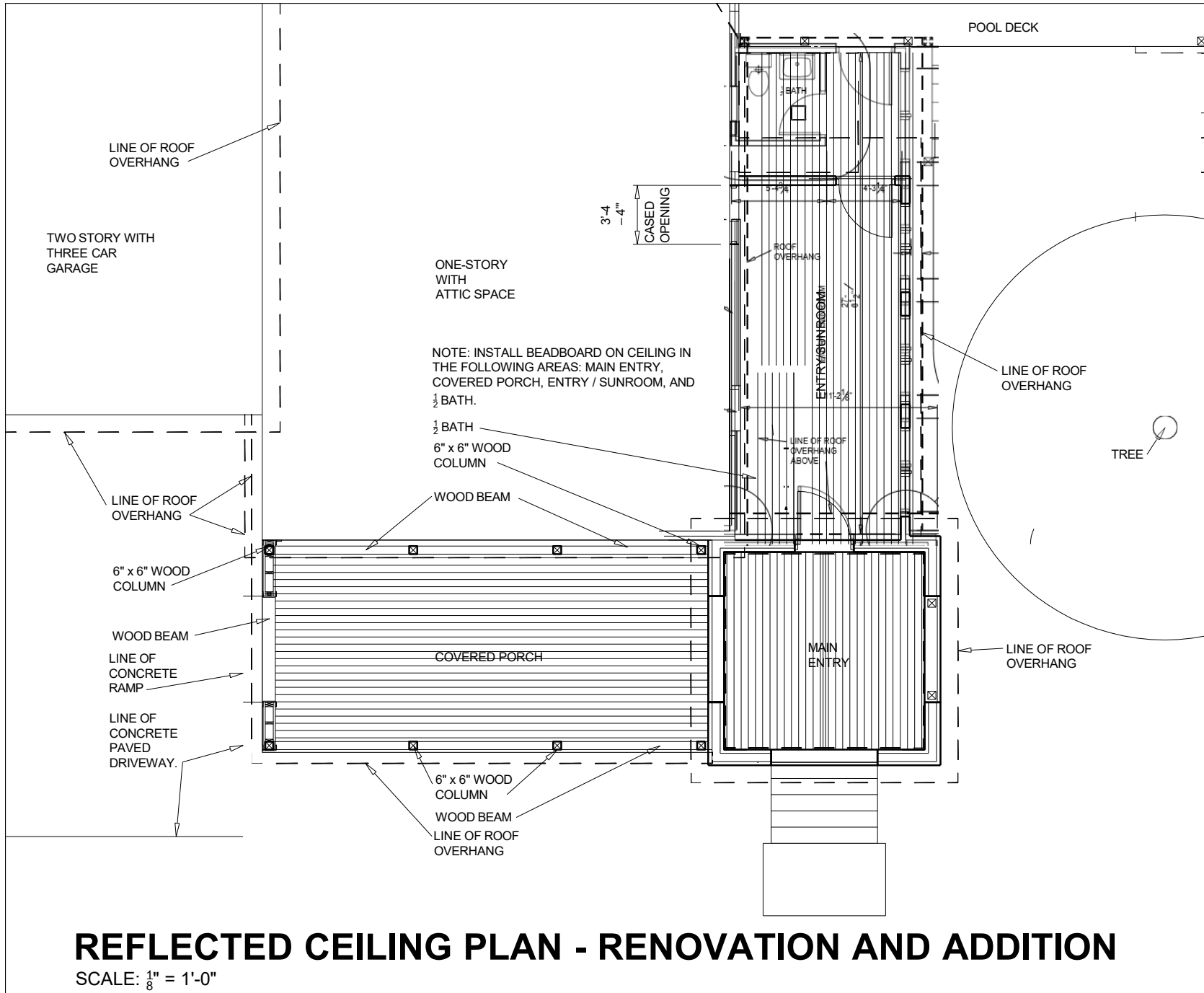
ROOF PLAN

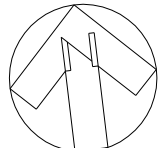
SCALE: $\frac{1}{16}'' = 1'-0''$

LEGEND

-  WOOD COLUMN
-  DOWNSPOUT (DS)
-  GUARDRAIL AND HANDRAIL POST
-  ROOF SLOPE DIRECTION
-  ROOF SLOPE DIRECTION - DOWN

logo		
04/14/2023	LDN	ROOF PLAN
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		
designer of record	LEE D. NELSON linrondesign19@gmail.com 919-498-6545	
owner	project title	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
 north arrow		
<h1>A-9</h1> <p>29 of 53 drawing sheet</p>		



logo		
04/14/2023	LDN	REFLECTED CEILING PLAN
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		
LEE D. NELSON linrondesign19@gmail.com 919-498-6545		
designer of record		contact
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		
owner		project title
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		
 north arrow		
<h1>A-14</h1> <p>35 of 53</p> <p>drawing sheet</p>		

REFLECTED CEILING PLAN - RENOVATION AND ADDITION
 SCALE: 1/8" = 1'-0"

NOTE:

1. HOME OWNER WILL REMOVE GUARDRAILS, POSTS, HANDRAILS, GLASS INSERTS, AND ASSOCIATED HARDWARE AROUND POOL DECK, COMPLETE.

2. REMOVE LANDSCAPE ASSOCIATED WITH PROJECT AREA.

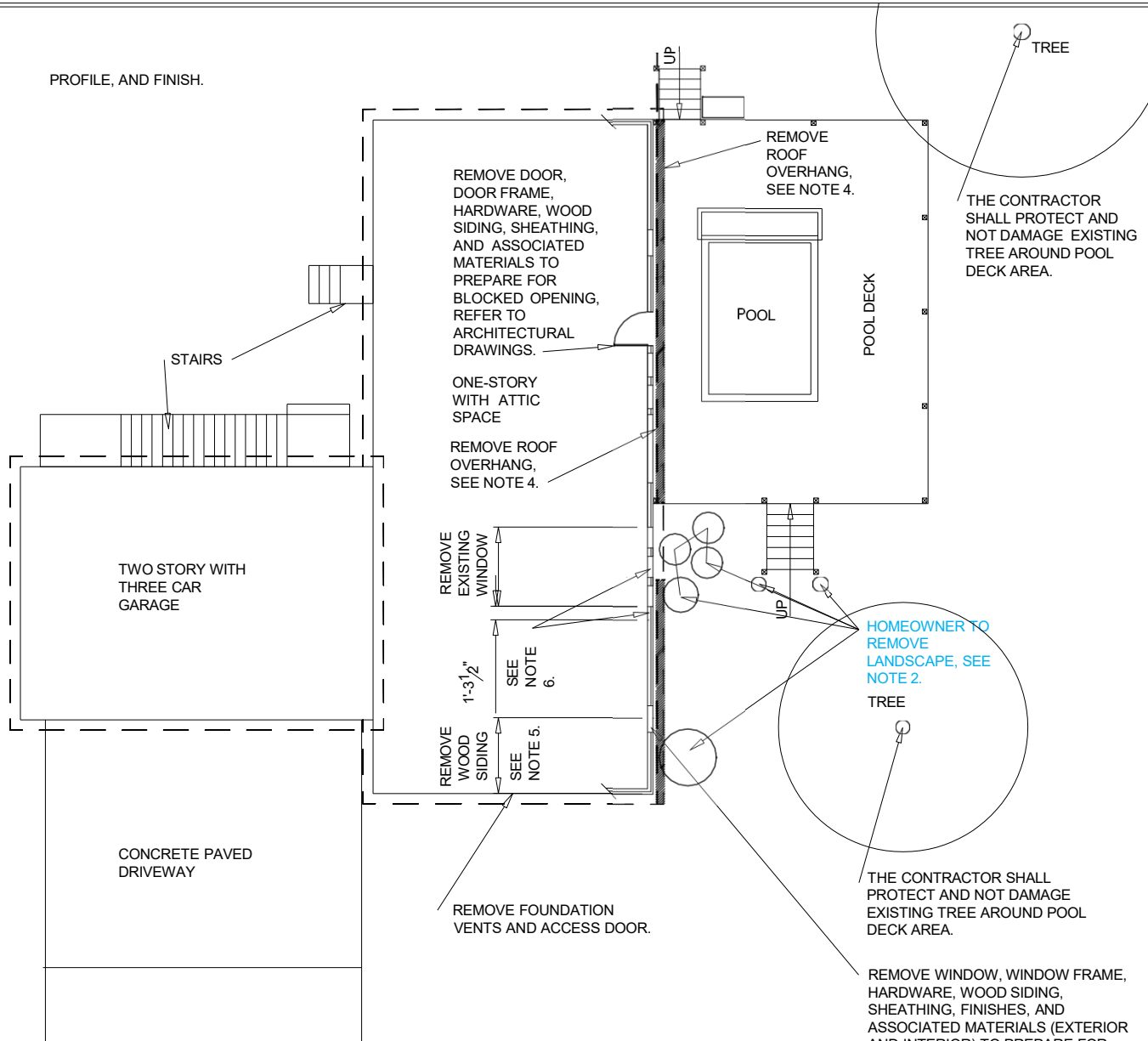
3. REMOVE WOOD FENCE TO THE EXTENT AS DIRECTED BY HOMEOWNER.

4. REMOVE ROOF OVERHANG AS INDICATED TO INCLUDE SHINGLES, ROOF SHEATHING, WOOD FRAMING, AND ASSOCIATED MATERIALS. THE CONTRACTOR SHALL SECURELY PROTECT EXPOSED EXTERIOR AND INTERIOR MATERIALS AND FINISHES UNTIL EXISTING STRUCTURE IS WEATHER TIGHT. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR SCOPE.

5. REMOVE WOOD SIDING, SHEATHING, AND ASSOCIATED MATERIALS AND FINISHES. THE CONTRACTOR SHALL PROTECT EXPOSED EXTERIOR AND INTERIOR MATERIALS AND FINISHES UNTIL EXISTING STRUCTURE IS WEATHER TIGHT.

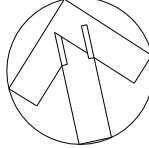
6. THE CONTRACTOR MUST VERIFY EXISTING WINDOW SITE CONDITION (HEADER HEIGHT, SIZE AND SPAN OF REMOVED WINDOWS). MODIFY, BRACE, AND CONSTRUCT CASED OPENING TO INCLUDE STRUCTURAL HEADER, AND FRAMING TO MAINTAIN A FINISHED 3'-4" x 6'-8" OPENING. INSTALLED FRAMED WOOD TRIM TO MATCH EXISTING IN SIZE,

PROFILE, AND FINISH.



FLOOR PLAN - DEMOLITION

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

logo	
04/14/2023	LDN
date	drawing title
LINE OF DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332	FLOOR PLAN DEMOLITION
designer of record	contact
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	LEE D. NELSON lirondesign19@gmail.com 919-498-6545
owner	project title
 north arrow	
<h2>D-1</h2>	
7 of 53	
drawing sheet	

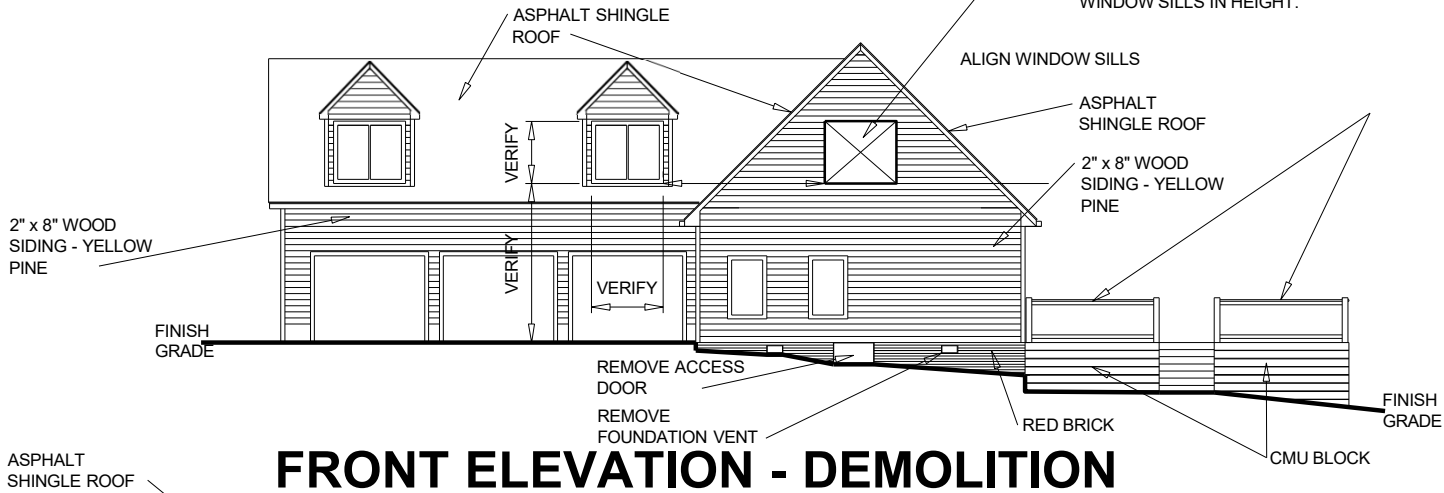
REMOVE WINDOW, WINDOW FRAME, HARDWARE, WOOD SIDING, SHEATHING, FINISHES, AND ASSOCIATED MATERIALS (EXTERIOR AND INTERIOR) TO PREPARE FOR BLOCKED OPENING. REFER TO ARCHITECTURAL DRAWINGS.

NOTES:

1. THE CONTRACTOR MUST REMOVE WOOD SIDING, SHEATHING, AND ASSOCIATED MATERIALS TO INSTALL LEDGER BOARDS AT FLOOR AND ROOF LOCATIONS TO SUPPORT NEW STRUCTURAL MEMBERS AND ASSOCIATED WORK. REFER TO ARCHITECTURAL DRAWINGS. THE CONTRACTOR MUST PROTECT ADJACENT AREAS FROM DAMAGE.

2. ROOF OVERHANG REMOVAL, REFER TO FLOOR PLAN - DEMOLITION - D-1.

REMOVE WOOD SIDING, WOOD FRAMING, ASSOCIATED MATERIALS FOR NEW WORK, SEE ARCHITECTURAL DRAWINGS. THE CONTRACTOR SHALL VERIFY LENGTH AND HEIGHT DIMENSIONS FROM ADJACENT EXISTING DORMER WINDOWS. CENTER WINDOW OPENING ON WALL. ALIGN WINDOW SILLS IN HEIGHT.



FRONT ELEVATION - DEMOLITION

SCALE: $\frac{1}{16}$ " = 1'-0"

NOT REMOVING WINDOW, WINDOW FRAME, HARDWARE, WOOD SIDING, SHEATHING, FINISHES, AND ASSOCIATED MATERIALS (EXTERIOR AND INTERIOR) TO PREPARE FOR BLOCKED OPENING, REFER TO ARCHITECTURAL DRAWINGS.

2" x 8" WOOD SIDING - YELLOW PINE

FINISH GRADE

CRAWL SPACE ACCESS, COORDINATE WITH ARCHITECTURAL DRAWINGS.

ASPHALT SHINGLE ROOF

2" x 8" WOOD SIDING - YELLOW PINE - NEW

GRADE

CMU BLOCK

REMOVE WINDOW, WINDOW FRAME, HARDWARE, WOOD SIDING, SHEATHING, AND ASSOCIATED MATERIALS FOR NEW WORK. THE CONTRACTOR MUST VERIFY WINDOW HEADER HEIGHT, SIZE, AND SPAN TO SUPPORT APPLIED LOADS. MODIFY AND CONSTRUCT A CASED OPENING TO MAINTAIN A FINISHED 6'-8" HEIGHT OPENING, SEE ARCHITECTURAL DRAWINGS.

REAR ELEVATION - DEMOLITION

SCALE: $\frac{1}{16}$ " = 1'-0"

logo

04/14/2023

date

LDN

drawn

ELEVATIONS - DEMOLITION

drawing title

LINE OF DESIGN
406 CAPTAIN HARBOUR DRIVE
SANFORD, NC 28332

designer of record

LEE D. NELSON
lirondesign19@gmail.com
919-498-6545

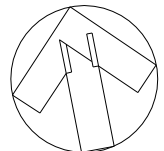
contact

TOM & CHERYL SHUMACHER
479 D.L. PHILLIPS LANE
BROADWAY, NC 27505

owner

CONSTRUCT ENTRY/
SUNROOM, PORCH AND
COVERED STRUCTURE OVER
POOL

project title

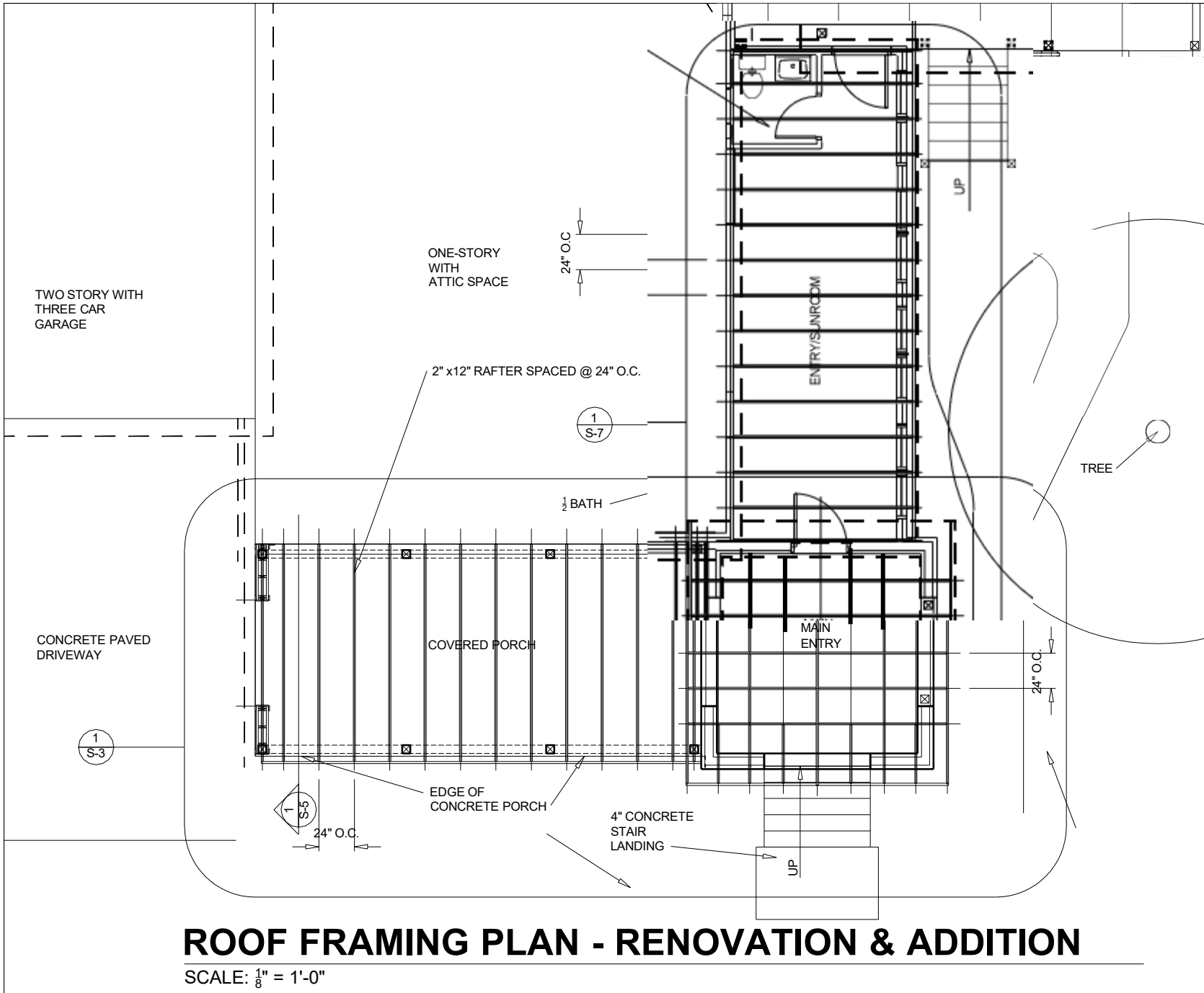


north arrow

D-2

8 of 53

drawing sheet

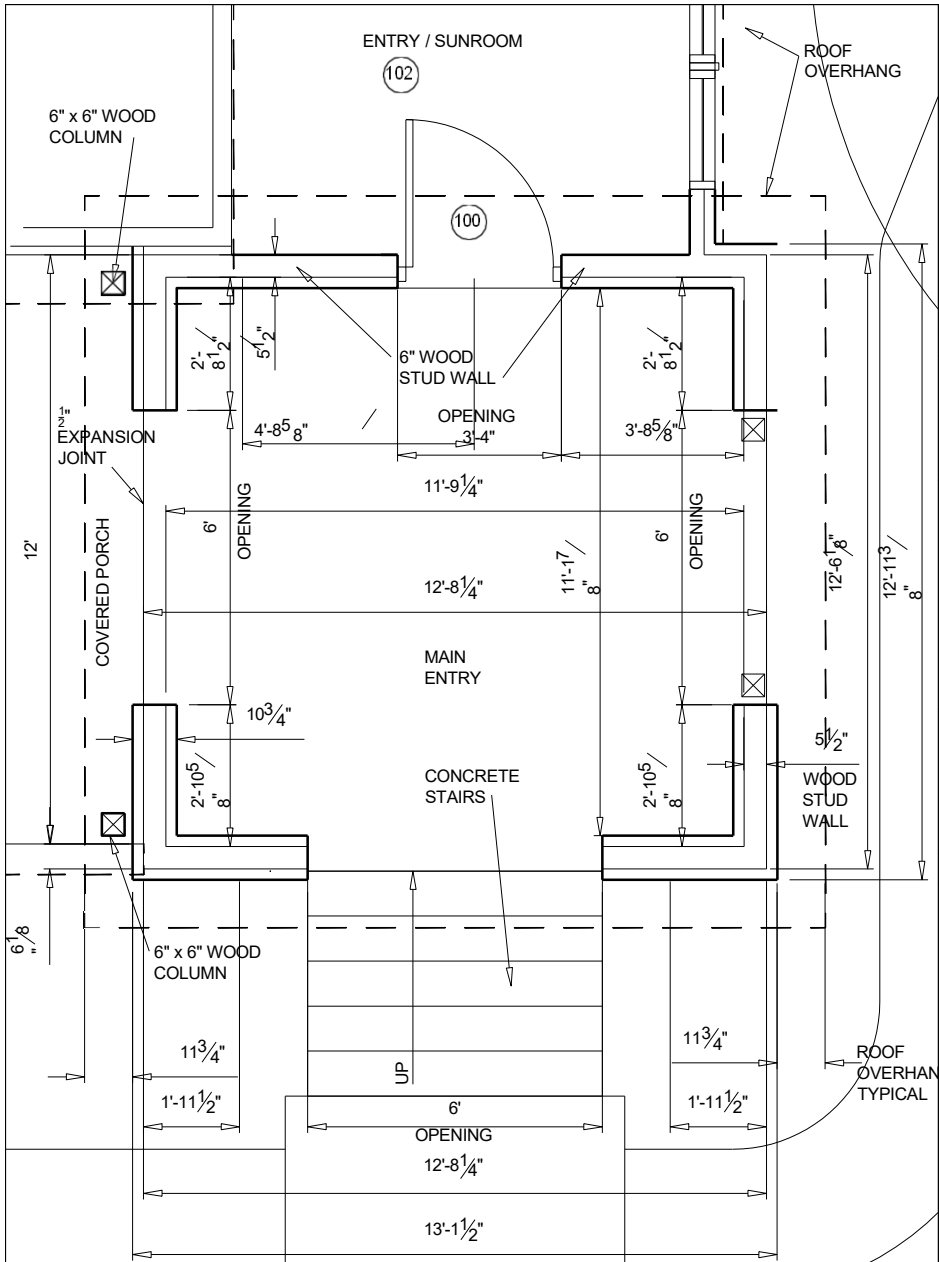


ROOF FRAMING PLAN - RENOVATION & ADDITION

SCALE: $\frac{1}{8}" = 1'-0"$

logo	
04/14/2023 date	LDN drawn
ROOF FRAMING PLAN - RENOVATION & ADDITION drawing title	
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332	
LEE D. NELSON lindesign19@gmail.com 919-498-6545	
designer of record	contact
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner	project title
<p>north arrow</p>	
<h2>S-2</h2> <p>10 of 53 drawing sheet</p>	

Main Entry



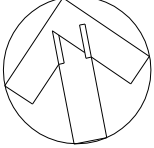
FLOOR PLAN - MAIN ENTRY

SCALE: $\frac{1}{4}'' = 1'-0''$

1
A-6

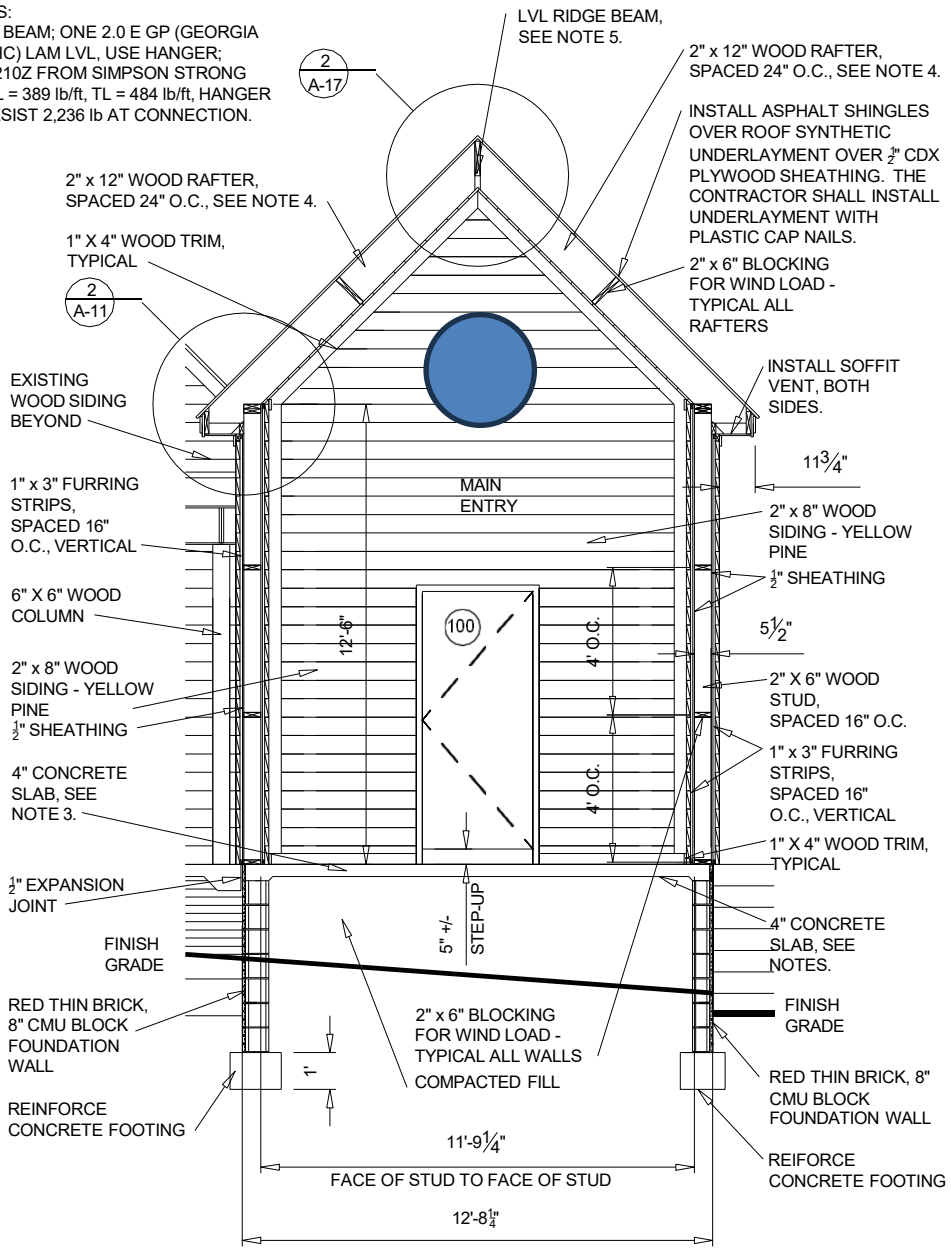
SCALE: $\frac{3}{8}'' = 1'-0''$



logo		
04/14/2023	LDN	FLOOR PLANS
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		
designer of record	LEE D. NELSON linrondesign19@gmail.com 919-498-6545	
owner	project title	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
 north arrow		
<h1>A-6</h1>		
24 of 53		
drawing sheet		

NOTES:

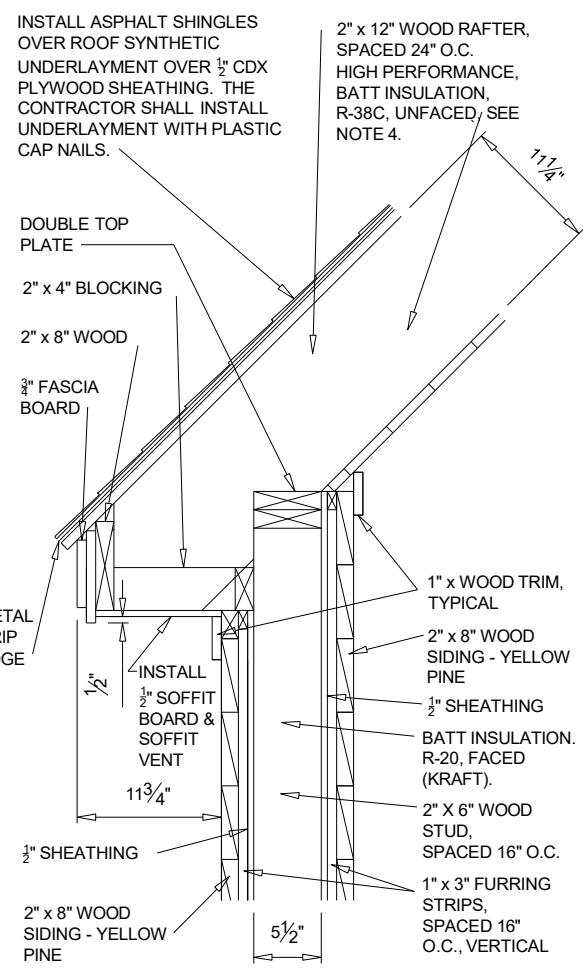
5. LVL BEAM; ONE 2.0 E GP (GEORGIA PACIFIC) LAM LVL, USE HANGER; LSSR210Z FROM SIMPSON STRONG TIE, LL = 389 lb/ft, TL = 484 lb/ft, HANGER TO RESIST 2,236 lb AT CONNECTION.



SECTION - MAIN ENTRY

SCALE: $\frac{3}{16}'' = 1'-0''$

1
A-11



NOTES:

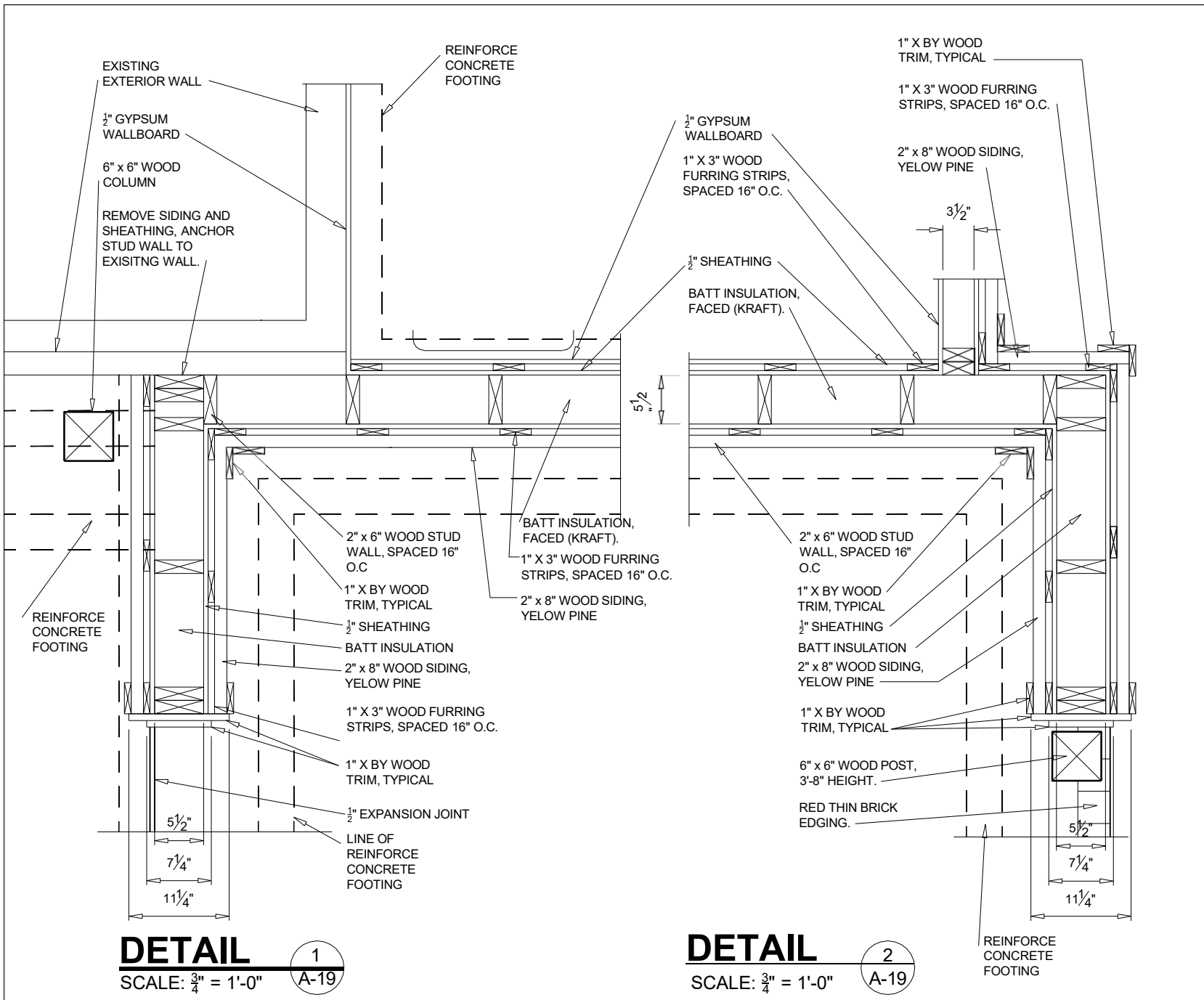
1. SOFFIT BOARD AND SOFFIT VENT:
2. ROOF SHEATHING: $\frac{1}{2}''$ CDX PLYWOOD.
3. CONCRETE SLAB ON VAPOR BARRIER ON 4" SUB-BASE (GRAVEL OR CRUSHED STONE) ON COMPACTED FILL.
4. RAFTER MUST BE #2, 2" x 12" @ 24" O.C. HANGER MUST REIST 493 lb AT THE CONNECTION.

DETAIL

SCALE: $\frac{3}{8}'' = 1'-0''$

2
A-11

04/14/2023		logo	
date	drawn	LDN	SECTION - MAIN ENTRY & EAVE DETAIL
LINE ON DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON linondesign19@gmail.com 919-498-6545	
designer of record		contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner		project title	
north arrow			
A-11			
31 of 53			
drawing sheet			



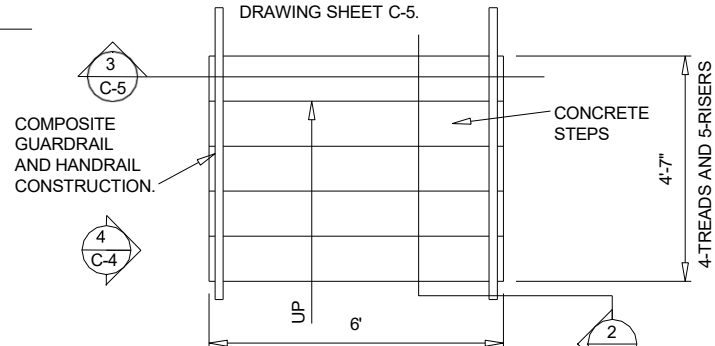
logo		
04/14/2023	LDN	DETAILS
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		
designer of record	LEE D. NELSON linrondesign19@gmail.com 919-498-6645	
contact		
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27605		
owner		
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		
project title		
north arrow		
<h1>A-19</h1>		
40 of 53		
drawing sheet		

NOTES:

1. INSTALL 3'-0" (WIDE) x 6'-9" (HIGH) STORM DOOR. THE DOOR MUST COMPLY WITH NC-IRC POOL REQUIREMENTS. THE (PEDESTRIAN POOL SD) DOOR MUST BE SELF CLOSING, MUST OPEN OUTWARDS FROM THE POOL, AND MUST HAVE A SELF LATCHING/LOCKING DEVICE.

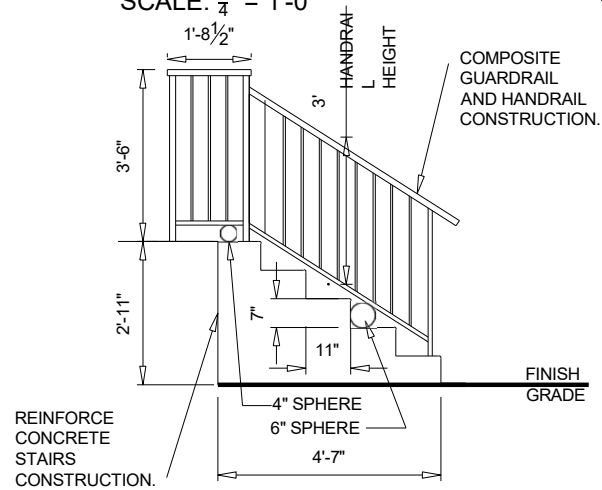
2. OPENING LIMITATIONS: GUARDS ON THE OPEN SIDE OF STAIRS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF SPHERE 4" IN DIAMETER. THE TRIANGULAR OPENINGS AT THE OPEN SIDE OF STAIR, FORMED BY THE RISER, TREAD, AND BOTTOM RAIL OF THE GUARD, SHALL NOT ALLOW PASSAGE OF A SPHERE 6" IN DIAMETER.

3. CONCRETE STAIRS #1, #2, AND #3: REFER TO NOTES ON DRAWING SHEET C-5.



PLAN - STAIR #3

SCALE: $\frac{1}{4}'' = 1'-0''$



ELEVATION - STAIR #3

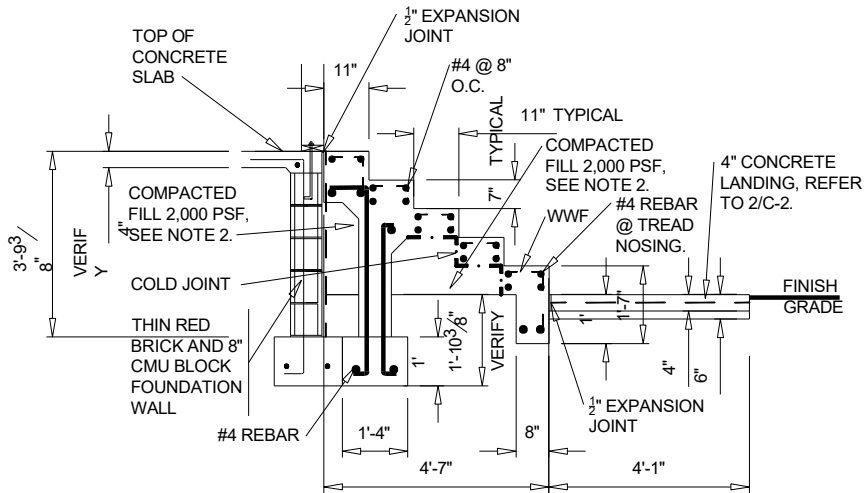
SCALE: $\frac{1}{4}'' = 1'-0''$

logo		
04/14/2023	LDN	STAIR #2 & STAIR #3
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON linrondesign19@gmail.com 919-498-6545
designer of record	contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner	project title	
north arrow		
C-4		
5 of 53		
drawing sheet		

NOTES:
1. CONCRETE STAIRS #1, #2, AND #3: REFER TO NOTE 2.

2. NOTES:
A. CONCRETE STEM WALLS:
- Fc = 4 ksi.
- GRADE 60 REBAR.
- #4 REBAR @ 8" O.C. IN CONCRETE STEM WALLS.
- REBARS 3" CONCRETE COVER.
- REBARS EMBED MIN. 8-1/2" IN STRIP FOOTING WITH A STANDARD 90-DEGREE HOOK @ 6", STEM WALL 8" THICK.
- STEM WALLS AND STRIP FOOTERS ON ALL PERIMETER SIDES, EXCEPT TREAD SIDE.
- STRUCTURAL BACKFILL SHALL MEET 2,000 psf, HAND TAMP ONLY WHEN STEMS HAVE BEEN PLACED IN 6" LIFTS.
- EACH COLD JOINT SHALL HAVE A REBAR SPLICE LENGTH OF 40 TIMES THE DIAMETER ABOVE.
- PROVIDE A CONTINUOUS REINFORCEMENT THROUGH THE JOINTS.

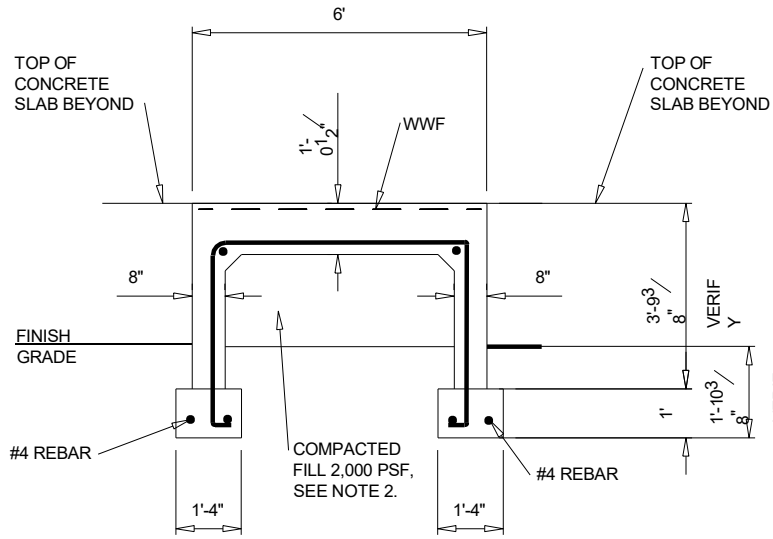
B. CONCRETE TREADS:
- Fc = 4 ksi.
- GRADE 60 REBAR.
- #4 REBAR @ 7" O.C. IN CONCRETE STEM WALLS, 1/2" CLEAR DISTANCE BETWEEN RISERS.
- WWF 1.4 X 6 PLACED 1-1/2" FROM TOP FACE OF TREAD.
- #4 REBAR @ TREAD NOSING PLACED BELOW WWF.



SECTION - STAIR #3

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

2
C-5



SECTION - STAIR #3

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

3
C-5

logo

04/14/2023

date

LDN

drawn

STAIR #2 & #3

drawing title

LINE on DESIGN
406 CAPTAIN HARBOUR DRIVE
SANFORD, NC 28332

designer of record

LEE D. NELSON
linrdn@design119@gmail.com
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contact

TOM & CHERYL SHUMACHER
479 D.L. PHILLIPS LANE
BROADWAY, NC 27505

owner

CONSTRUCT ENTRY/
SUNROOM, PORCH AND
COVERED STRUCTURE OVER
POOL

project title

Y
VERIF

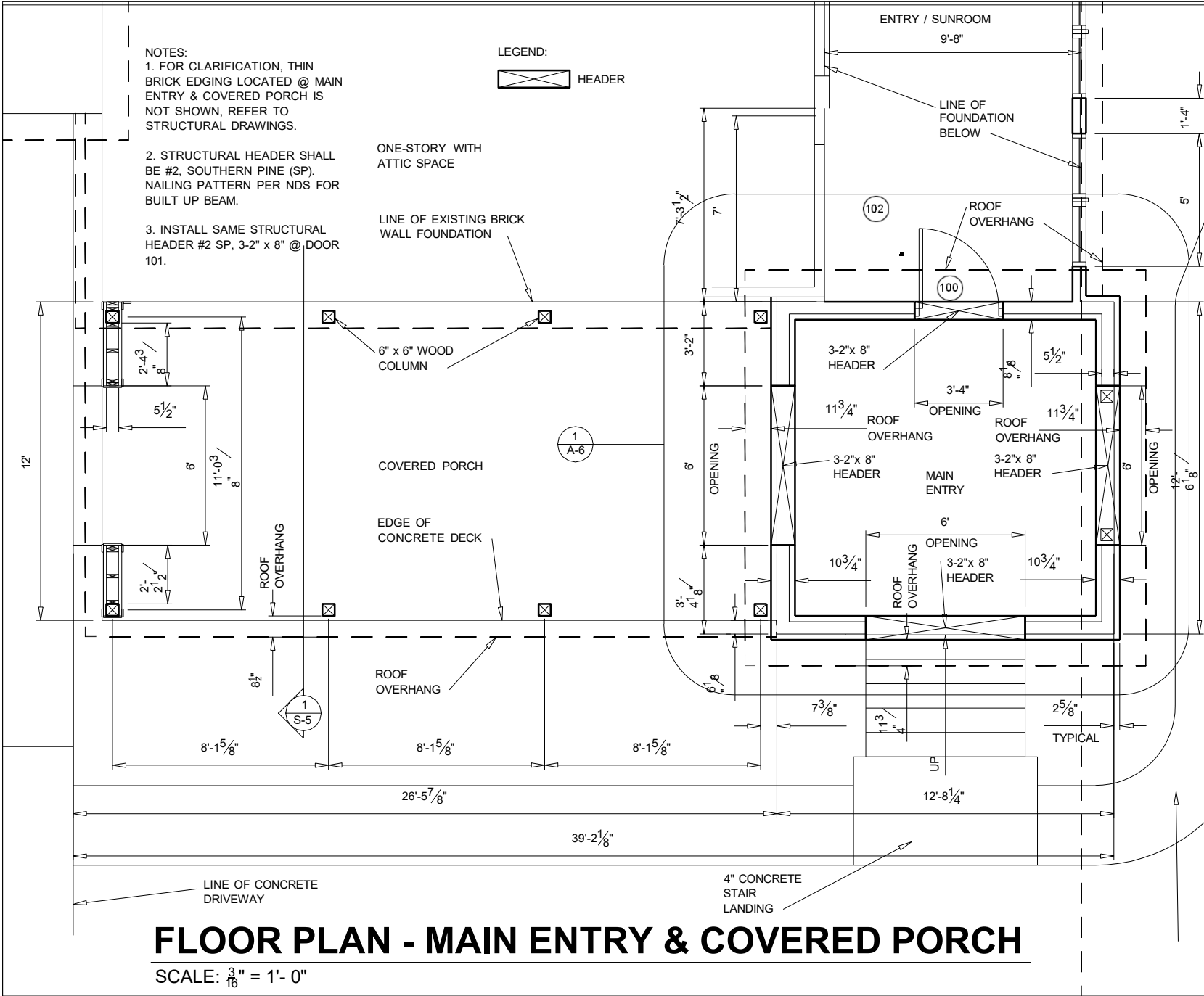
north arrow

C-5


6 of 53

drawing sheet

Main Entry & Porch

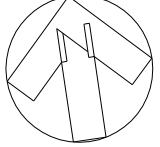


- NOTES:
1. FOR CLARIFICATION, THIN BRICK EDGING LOCATED @ MAIN ENTRY & COVERED PORCH IS NOT SHOWN, REFER TO STRUCTURAL DRAWINGS.
 2. STRUCTURAL HEADER SHALL BE #2, SOUTHERN PINE (SP). NAILING PATTERN PER NDS FOR BUILT UP BEAM.
 3. INSTALL SAME STRUCTURAL HEADER #2 SP, 3-2" x 8" @ DOOR 101.

LEGEND:
 HEADER

FLOOR PLAN - MAIN ENTRY & COVERED PORCH

SCALE: $\frac{3}{16}'' = 1'-0''$

logo		04/14/2023	
date	LDN	drawing title	
FLOOR PLAN - MAIN ENTRY & COVERED PORCH		designer of record	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		LEE D. NELSON lirondesign19@gmail.com 919-498-6545	
owner		project title	
CONSTRUCT ENTRY/SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		north arrow	
		<h1>A-4</h1>	
22 of 53		drawing sheet	

LINE on DESIGN
 406 CAPTAIN HARBOUR DRIVE
 SANFORD, NC 28332

designer of record

contact

NOTES:

1. INSTALL NEW WINDOW TO INCLUDE WOOD SIDING, WOOD FRAMING, ASSOCIATED MATERIALS FOR NEW WINDOW WORK. THE CONTRACTOR SHALL VERIFY LENGTH AND HEIGHT DIMENSIONS FROM ADJACENT EXISTING DORMER WINDOWS. CENTER WINDOW OPENING ON WALL. ALIGN WINDOW SILLS IN HEIGHT.
2. REMOVE FOUNDATION VENTS, ACCESS DOOR OPENING AND ASSOCIATED HARDWARE. BLOCK-UP OPENINGS WITH MASONRY.
3. LVL BEAM; ONE 2.0 E GP (GEORGIA PACIFIC) LAM LVL, USE HANGER; LSSR210Z FROM SIMPSON STRONG TIE, LL = 389 lb/ft, TL = 484 lb/ft, HANGER TO RESIST 2,236 lb AT CONNECTION.

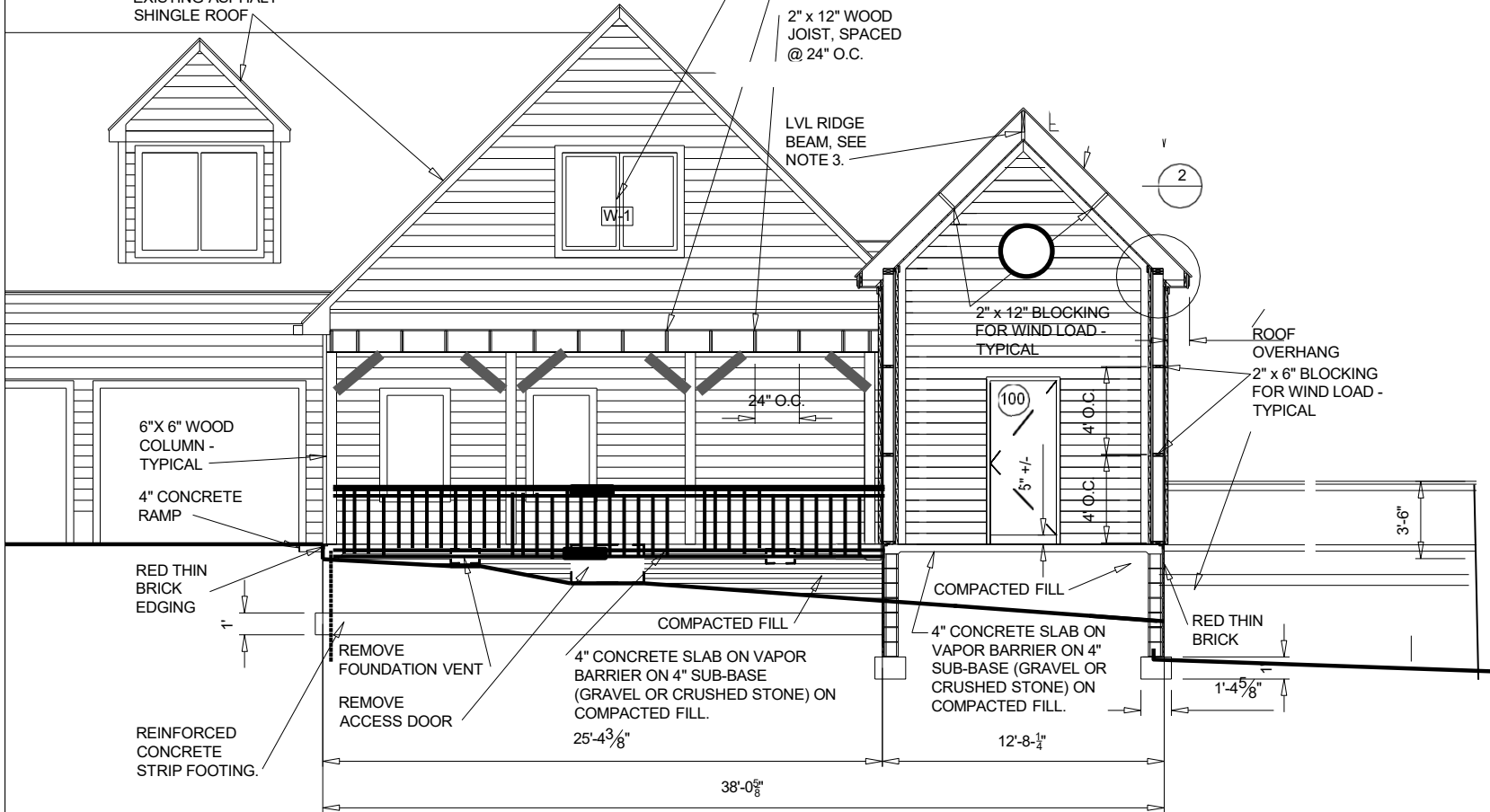
METAL ROOF OVER ROOF
SYNTHETIC
UNDERLAYMENT OVER 1/2" CDX
PLYWOOD SHEATHING. THE
CONTRACTOR SHALL INSTALL
UNDERLAYMENT WITH PLASTIC
CAP NAILS.

4 NEW OPERABLE
WINDOW,
SEE NOTE 1.

METAL ROOF @ 1 1/2" / 12"
ROOF SLOPE
2" x 12" WOOD
JOIST, SPACED
@ 24" O.C.

LVL RIDGE
BEAM, SEE
NOTE 3.

EXISTING ASPHALT
SHINGLE ROOF



BUILDING SECTION - MAIN ENTRY & COVERED PORCH

SCALE: 1/8" = 1'-0"

04/14/2023 date		LDN drawn	logo
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		BUILDING SECTION - MAIN ENTRY & COVERED PORCH drawing title	
designer of record		contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		LEE D. NELSON linrondesign19@gmail.com 919-498-6545	
owner		project title	
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL			
north arrow			
A-10			
30 of 53			
drawing sheet			

NOTES:

1. PROVIDE ONE 2.0 GP (GEORGIA PACIFIC) LAM LVL 1-3/4" x 18" WITH HANGER LSSR210Z FROM SIMPSON STRONG TIE. LL = 389 lb/ft., TL = 484 lb/ft., HANGER TO RESIST 2,236 lb AT CONNECTION.

2. PROVIDE #2, 2" x 12" @ 24" O.C., WITH BLOCKING AT MIDPOINT. HANGER MUST RESIST 493 lb AT THE CONNECTION.

3. GP LVL 1.5E (2) 1 3/4" X 7.25", SG = .43-50, MIN Fb = 2431 psi, FV = 285 psi. DOUBLE LVL PER MANUFACTURE REQUIREMENTS. 6X6 AXIAL LOAD, T = 1300LB (UPLIFT), C = 1562LB. POST CAP, TWO (2) LPC6Z SIMPSON STRONG TIE POST CAP PER COLUMN, MINIMUM 920LB EA CONNECTOR. REQUIRED FOR UPLIFT.

ONE-STORY WITH ATTIC SPACE

2" x 12" RAFTER @ 24" O.C.

24" O.C.

LINE OF EXISTING WALL

ENTRY / SUNROOM

logo

04/14/2023
date

LDN
drawn

ROOF FRAMING
PLAN - MAIN ENTRY
& COVERED PORCH
drawing title

LINE on DESIGN
406 CAPTAIN HARBOUR DRIVE
SANFORD, NC 28332

designer of record

LEE D. NELSON
linrdesign19@gmail.com
919-498-6545

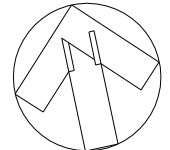
contact

TOM & CHERYL SHUMACHER
479 D.L. PHILLIPS LANE
BROADWAY, NC 27505

owner

CONSTRUCT ENTRY/
SUNROOM, PORCH AND
COVERED STRUCTURE OVER
POOL

project title

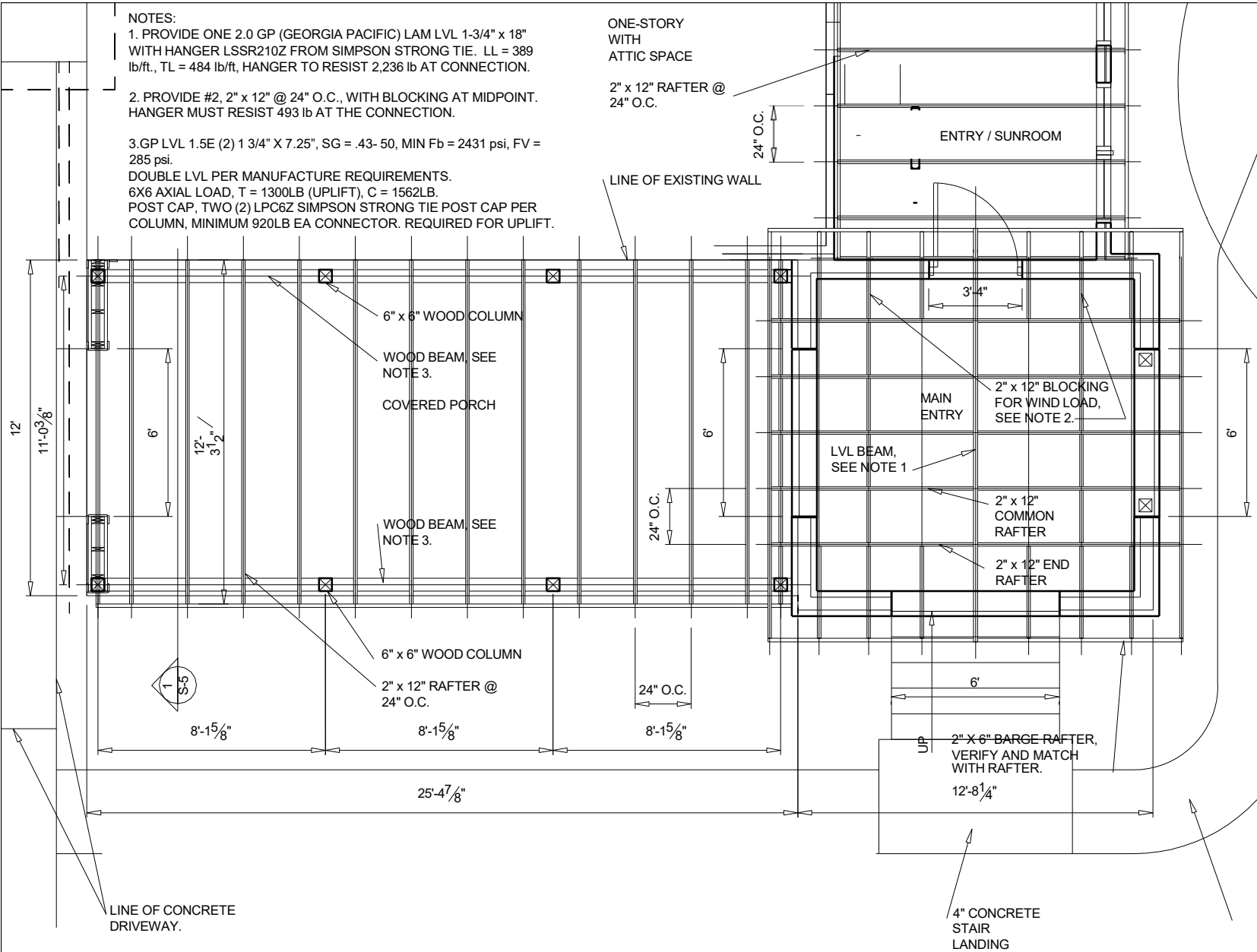


north arrow

S-3

11 of 53

drawing sheet

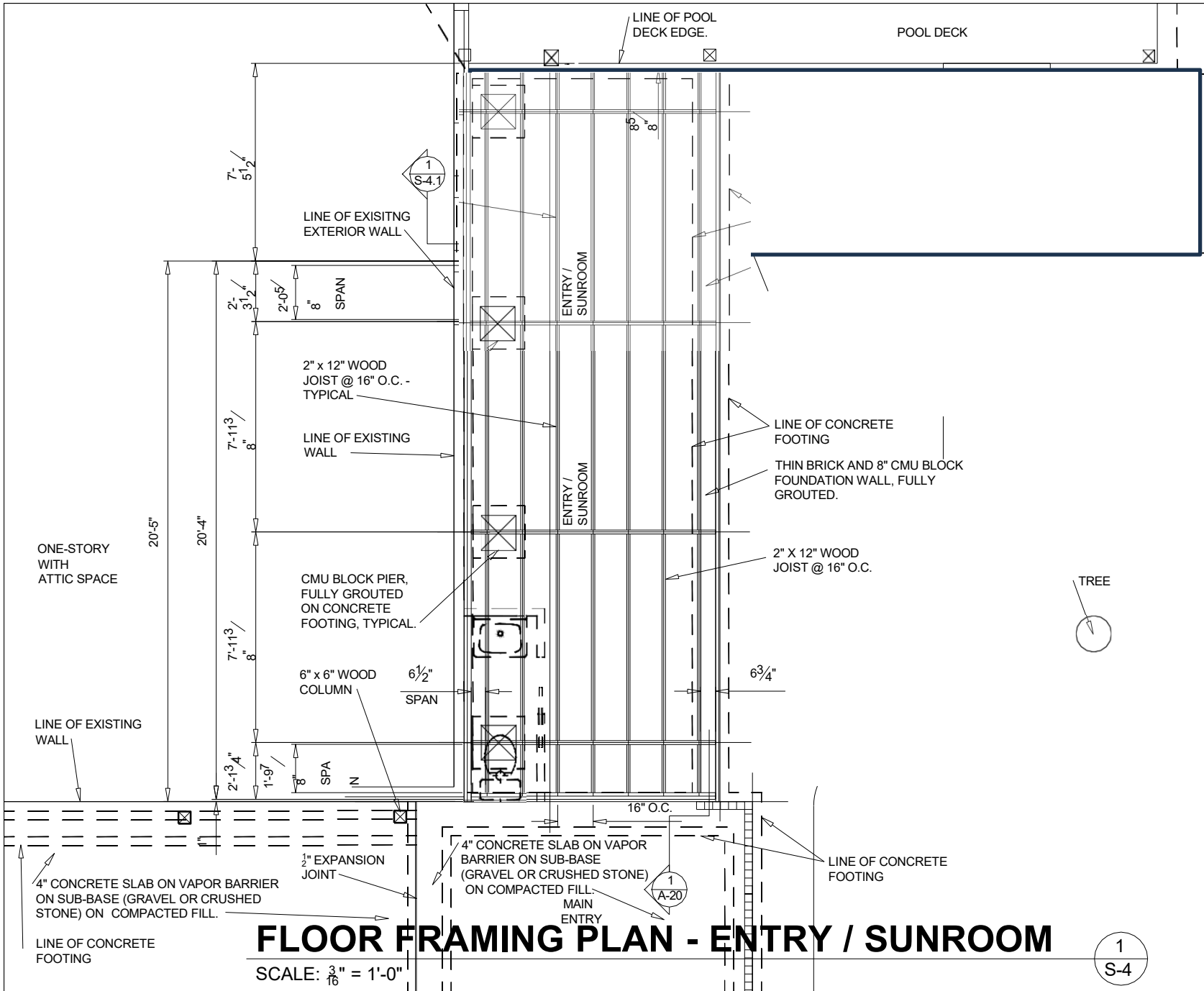


ROOF FRAMING PLAN - MAIN ENTRY & COVERED PORCH

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

1
S-3

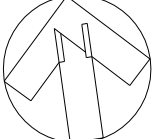
Main Entry and Sunroom

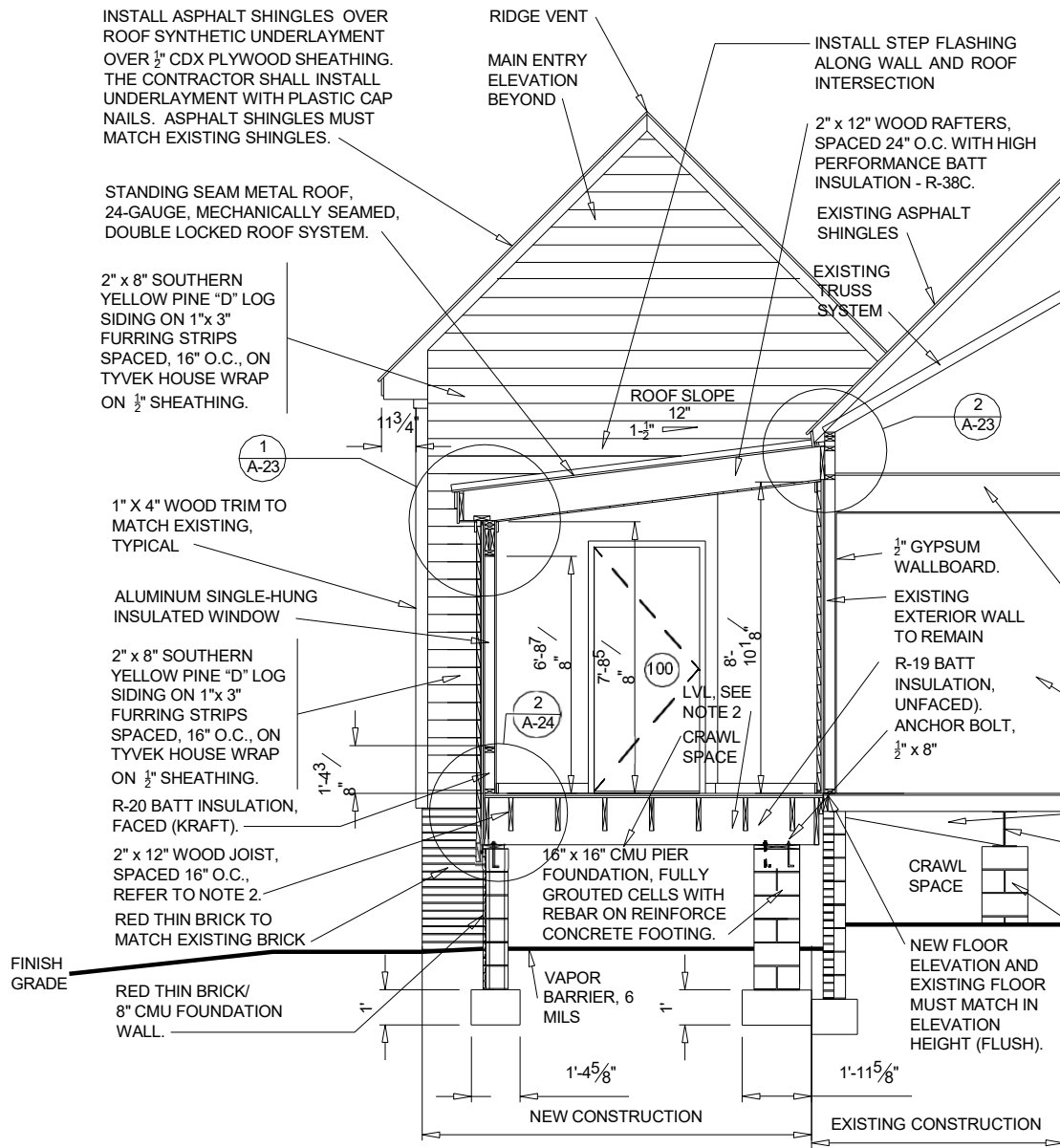


FLOOR FRAMING PLAN - ENTRY / SUNROOM

SCALE: $\frac{3}{16}$ " = 1'-0"

1
S-4

logo	
04/14/2023 date	LDN drawn
FLOOR FRAMING PLAN - ENTRY / SUNROOM drawing title	
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332 designer of record	
LEE D. NELSON lindesign19@gmail.com 919-498-6545 contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505 owner	
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL project title	
 north arrow	
<h1>S-4</h1> 12 of 53 drawing sheet	



- NOTES:
- VAPOR BARRIER, CLASS 1 - 0.1 PERM OR LESS SHEET POLYETHYLENE 6 MIL (0.06 PERMS).
 - LVL BEAM: 1.5 E 1 3/4" x 16" @ 7'-11 3/8" O.C. MAX.
SPEC OF LVL: 1.5 E x 106 PSI, Fv = 285 PSI, V = (SHEAR) = 1,500 (SIMPSON STRONG TIE LVL HANGER NEEDS TO BE SPECIFIED TO RESIST LOAD TABLES AVAILABLE ON THEIR WEB-SITE).
 - JOIST: SP #1, 2" x 12" @ 16" O.C.
SPEC OF JOIST: V (SHEAR) = 1,200 LB (SIMPSON STRONG TIE DIMENSIONAL LUMBER HANGER NEEDS TO BE SPECIFIED TO RESIST, LOAD TABLES AVAILABLE ON THEIR WEB-SITE).
 - THE STRUCTURAL MEMBERS ABOVE HAVE VERY LIGHT DEFLECTION RESTRICTIONS DUE TO CERAMIC TILE FLOORING TO PREVENT CRACKING. PROVIDE 1 1/2" SHEATHING TO STIFFEN THE FLOOR TO ACCEPT THE CERAMIC TILE.
 - RED THIN BRICK MUST MATCH EXISTING BRICK IN TEXTURE, FACE SIZE, MORTAR TYPE AND COLOR.

SECTION - ENTRY / SUNROOM

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

1
A-13

04/14/2023 date		LDN drawn	SECTION - ENTRY/SUNROOM drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332 designer of record		LEE D. NELSON lindesign119@gmail.com 919-498-6545 contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505 owner		CONSTRUCT ENTRY/SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL project title	
north arrow			
<h1>A-13</h1> <p>34 of 53 drawing sheet</p>			

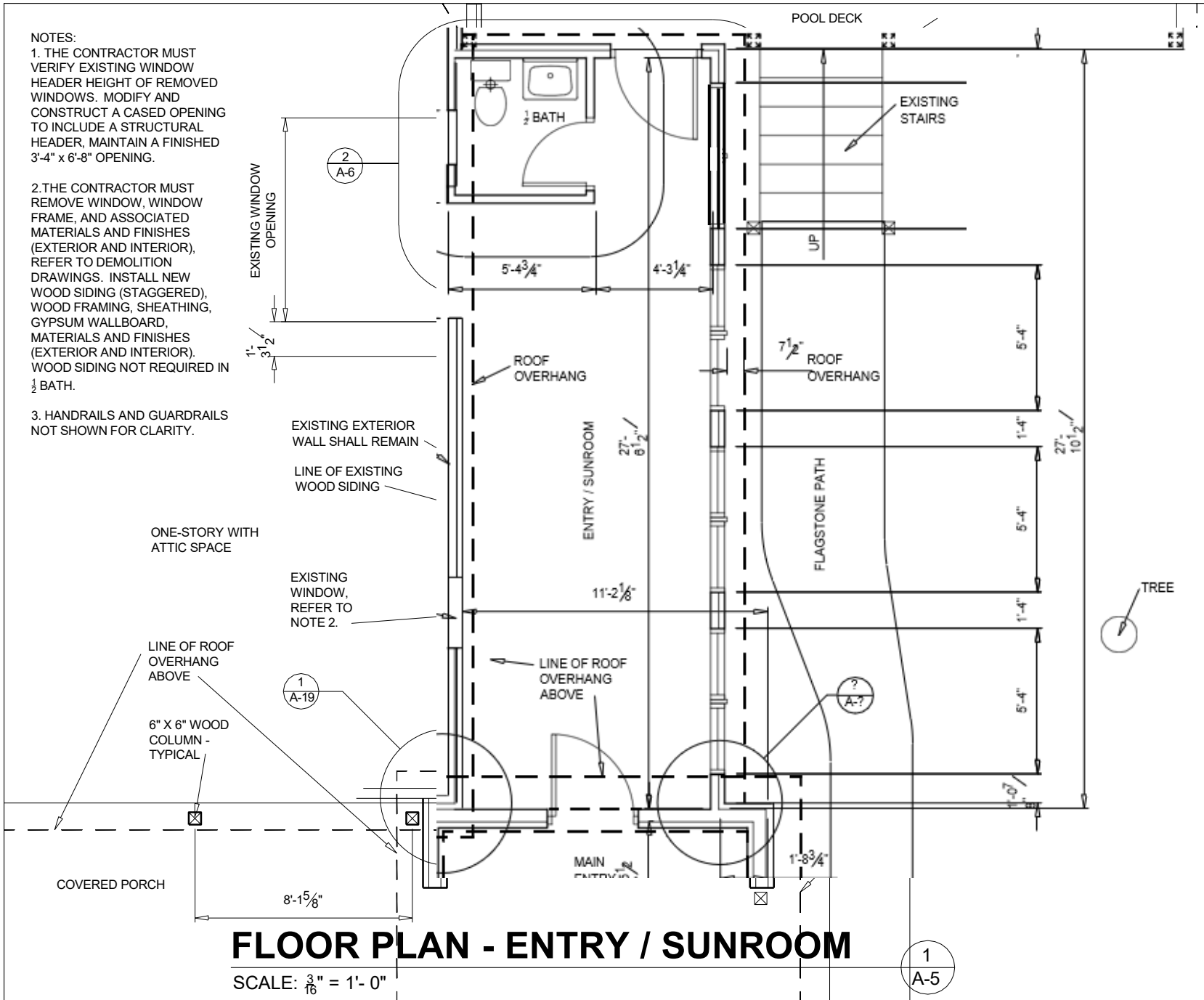
Sunroom

NOTES:

1. THE CONTRACTOR MUST VERIFY EXISTING WINDOW HEADER HEIGHT OF REMOVED WINDOWS. MODIFY AND CONSTRUCT A CASSED OPENING TO INCLUDE A STRUCTURAL HEADER, MAINTAIN A FINISHED 3'-4" x 6'-8" OPENING.

2. THE CONTRACTOR MUST REMOVE WINDOW, WINDOW FRAME, AND ASSOCIATED MATERIALS AND FINISHES (EXTERIOR AND INTERIOR), REFER TO DEMOLITION DRAWINGS. INSTALL NEW WOOD SIDING (STAGGERED), WOOD FRAMING, SHEATHING, GYPSUM WALLBOARD, MATERIALS AND FINISHES (EXTERIOR AND INTERIOR). WOOD SIDING NOT REQUIRED IN 1/2 BATH.

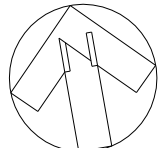
3. HANDRAILS AND GUARDRAILS NOT SHOWN FOR CLARITY.

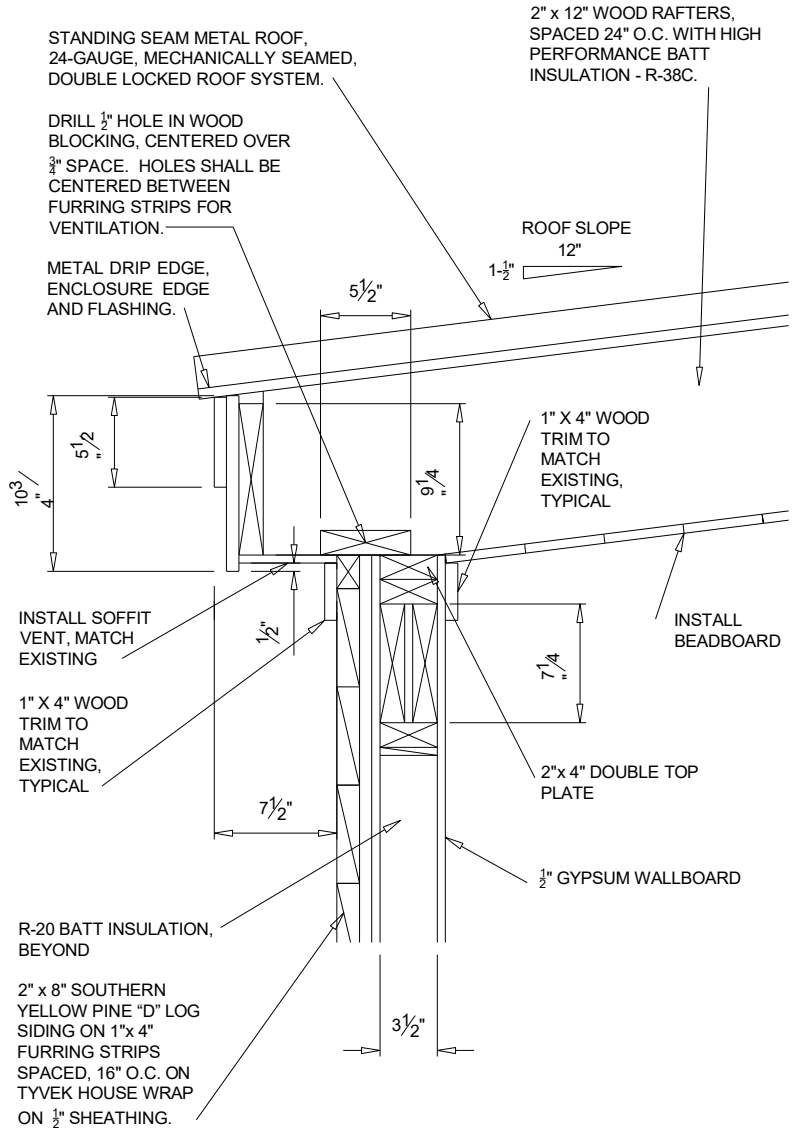


FLOOR PLAN - ENTRY / SUNROOM

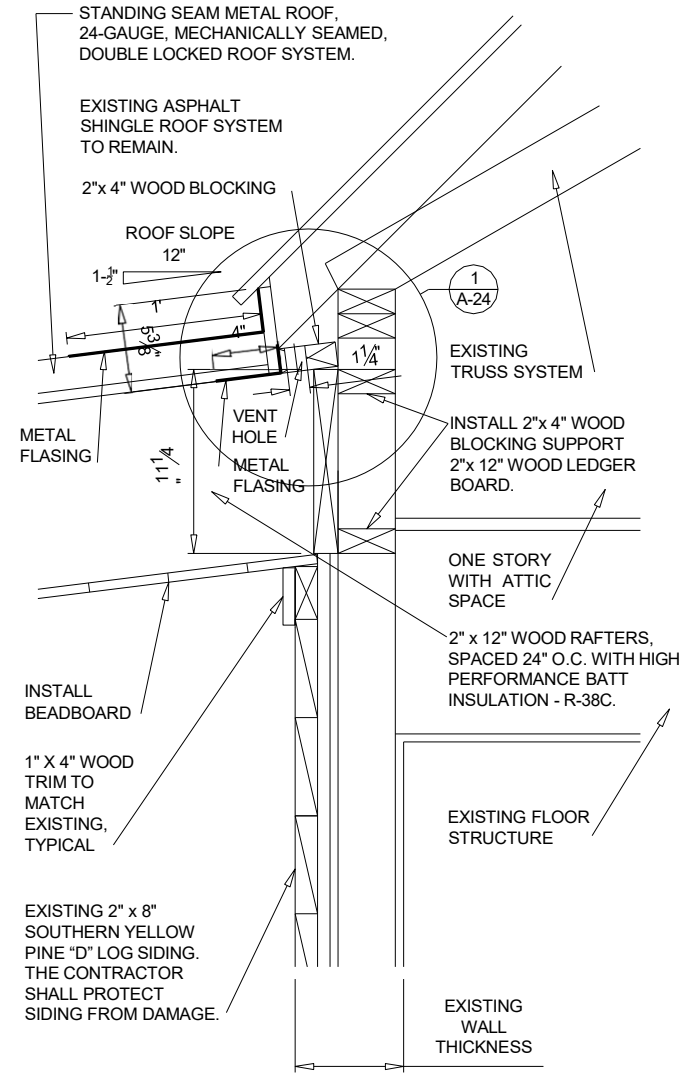
SCALE: 3/16" = 1'-0"

1
A-5

04/14/2023			logo		
date	drawn	drawing title	LDN	FLOOR PLAN - ENTRY / SUNROOM	
LINE ON DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332			LEE D. NELSON linrondesign19@gmail.com 919-498-6545		
designer of record			contact		
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505			CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		
owner			project title		
 <p>north arrow</p>					
<p>A-5</p> <p>23 of 53</p> <p>drawing sheet</p>					



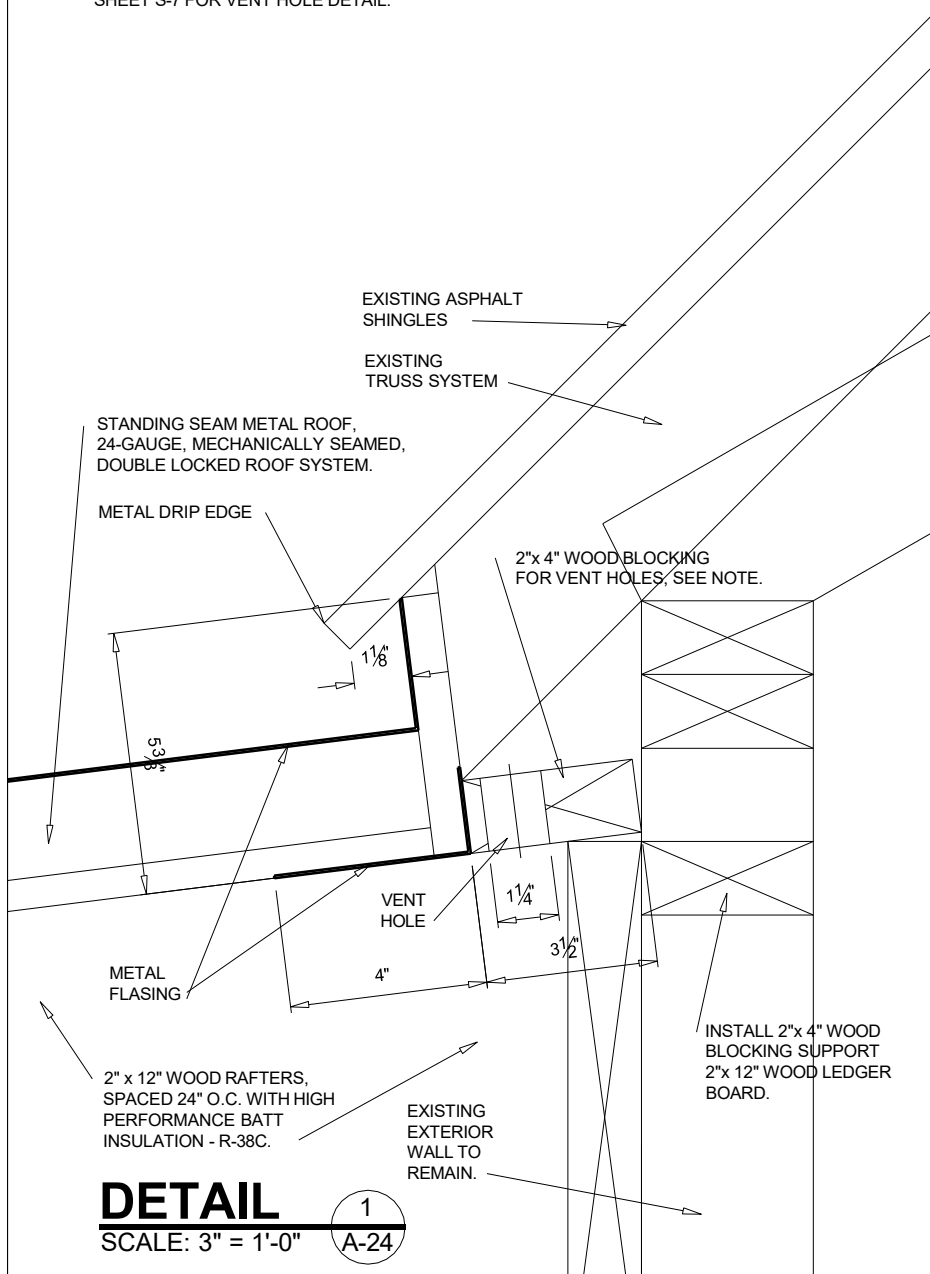
DETAIL 1
 SCALE: 1" = 1'-0" A-23



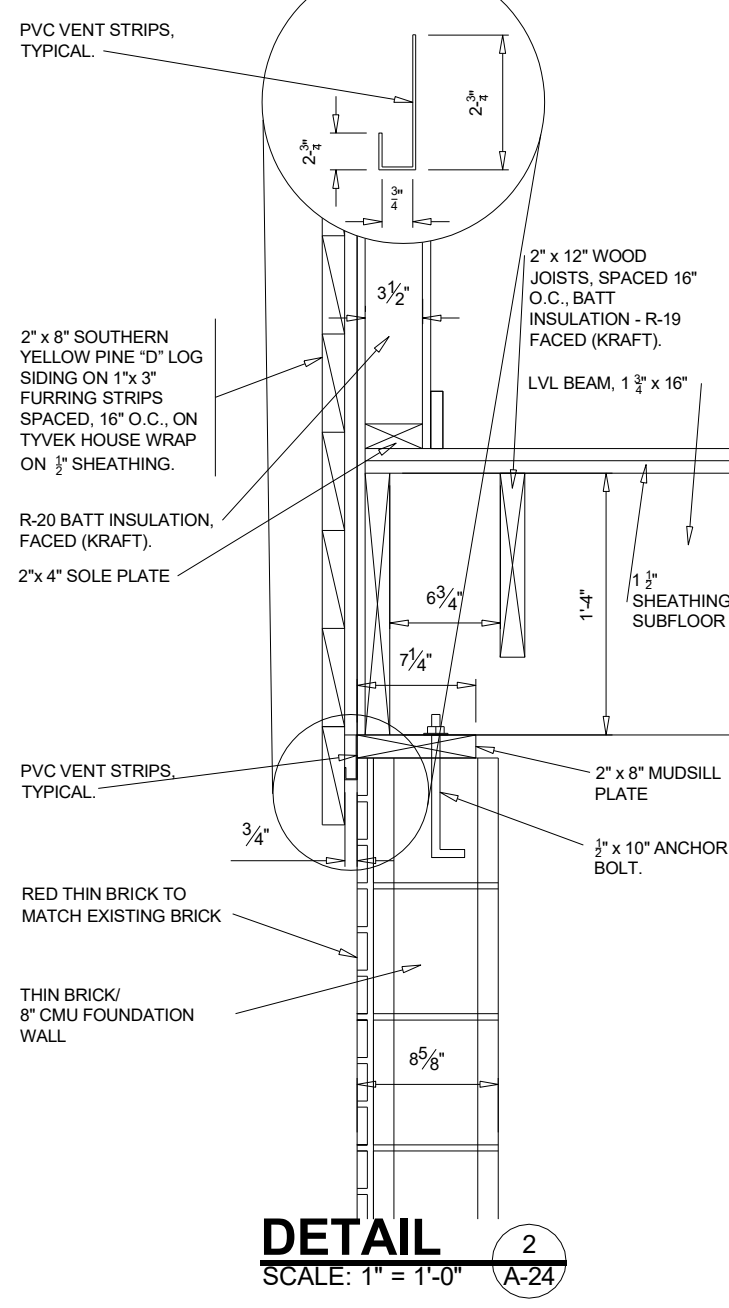
DETAIL 2
 SCALE: 1" = 1'-0" A-23

logo		
04/14/2023	LDN	ROOF DETAILS
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		
LEE D. NELSON linrdesign19@gmail.com 919-498-6545		
designer of record	contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		
owner project title		
north arrow		
A-23		
45 of 53		
drawing sheet		

NOTE: REFER TO DRAWING SHEET S-7 FOR VENT HOLE DETAIL.

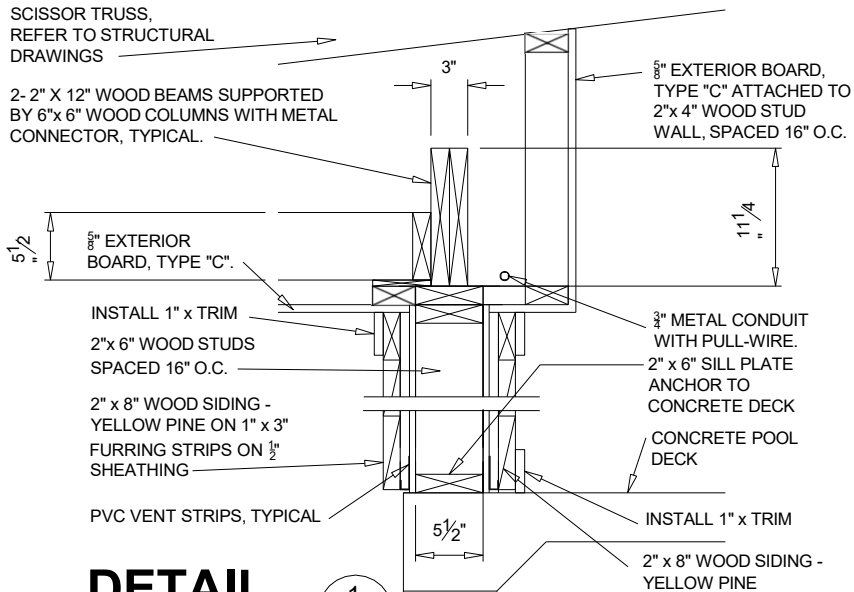


DETAIL 1
SCALE: 3" = 1'-0" A-24



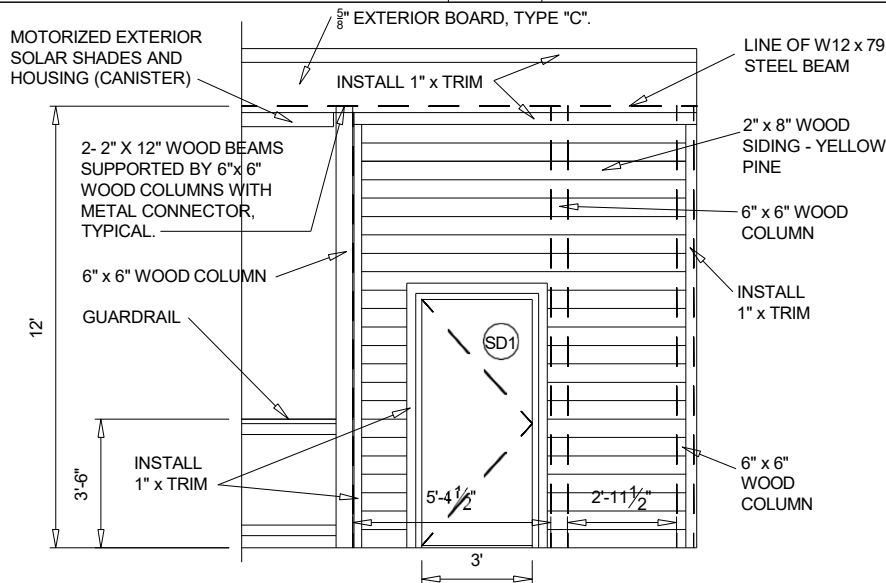
DETAIL 2
SCALE: 1" = 1'-0" A-24

logo		
04/14/2023	LDN	DETAILS
date	drawn	drawing title
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		
designer of record	LEE D. NELSON linondesign19@gmail.com 919-498-6545	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		
owner	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
north arrow		
A-24		
46 of 53		
drawing sheet		



DETAIL
SCALE: $\frac{3}{4}'' = 1'-0''$

1
A-27



ELEVATION
SCALE: $\frac{3}{16}'' = 1'-0''$

2
A-27

NOTES:

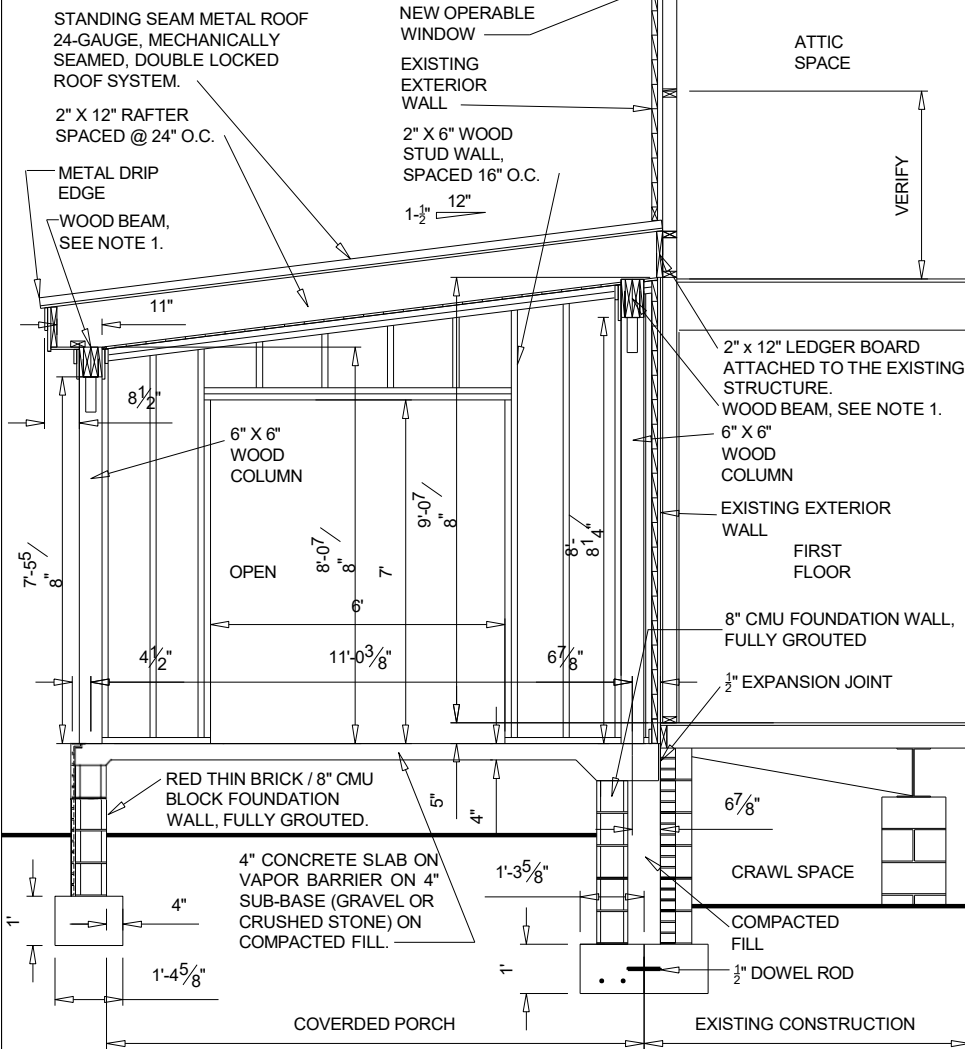
1. SP, GRADE #1, 2" x 12" SPACED 16" O.C., WOOD TO WOOD HANGER, SIMPSON STRONG TIE BA1.81/11.25 WITH A MIN. OF 1,970 lb SHEAR LOAD RATED.

2. SP, GRADE #1, 2" x 12" SPACED 16" O.C., WOOD TO EXISTING GROUT FILLED CMU HANGER, SIMPSON STRONG TIE HU212, RATED FOR 2,830 lb, USE THEIR TITEN TURBO $\frac{1}{4}'' \times 2 \frac{1}{4}''$ IN CMU AND 0.148" x 1 $\frac{1}{2}''$ STD NAIL (10d) IN THE 2" x 12". NOTE: SPEC X FOR CONCEALED FLANGES (RECOMMENDED FOR EDGE JOIST; HU212X).

04/14/2023		logo	
date	LDN	ELEVATION & DETAIL	
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON lindesign19@gmail.com 919-498-6545	
designer of record	contact	TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	
owner		project title	
CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL		north arrow	
A-27		49 of 53	
		drawing sheet	

NOTE:

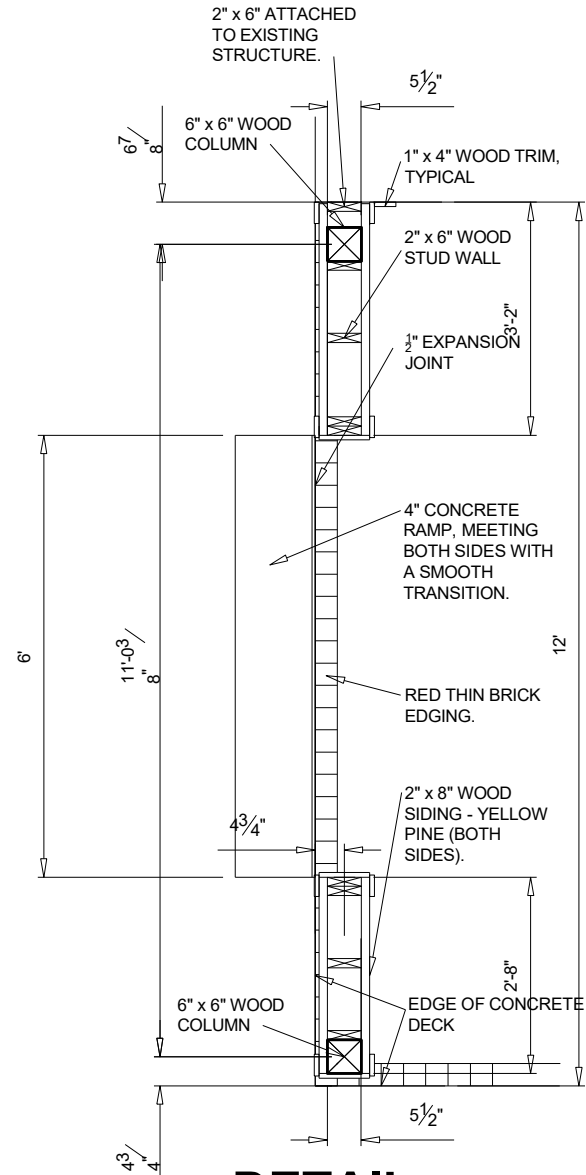
1. GP LVL 1.5E (2) 1 3/4" X 7.25", SG = .43 - 50, MIN Fb = 2431 psi, Fv = 285 PSI.
 DOUBLE LVL PER MANUFACTURE REQUIREMENTS.
 6X6 AXIAL LOAD, T = 1300 lb (UPLIFT), C = 1562 lb.
 POST CAP, TWO (2) LPC6Z SIMPSON STRONG TIE POST CAP PER COLUMN, MINIMUM 920 lb EA CONNECTOR REQUIRED FOR UPLIFT.



SECTION - COVERED PORCH

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

1
S-5

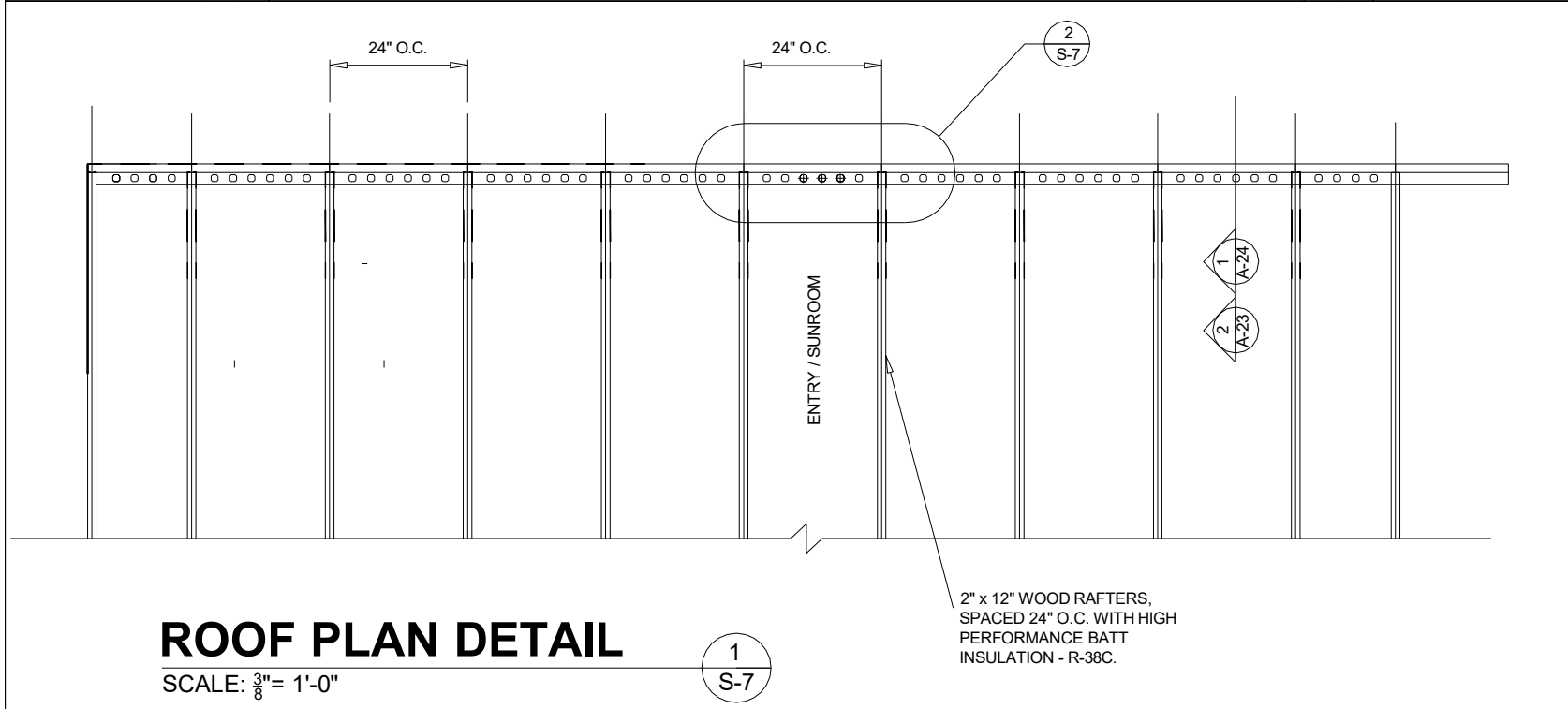
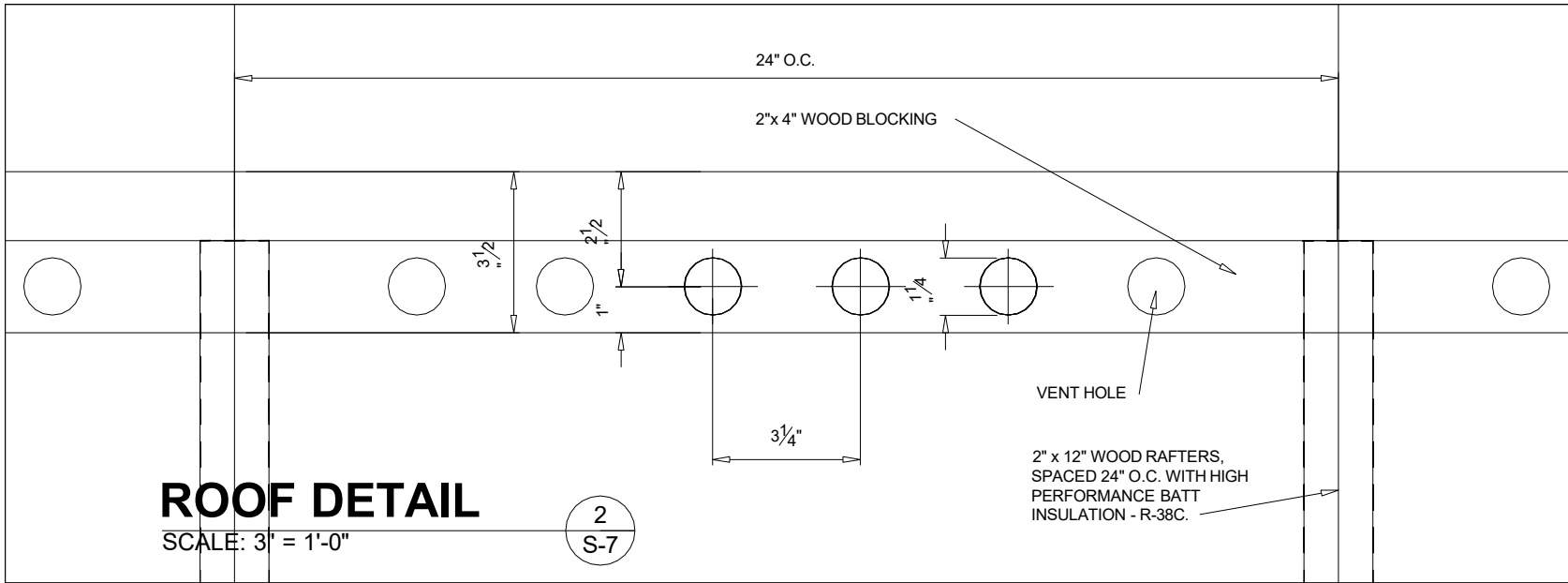


DETAIL

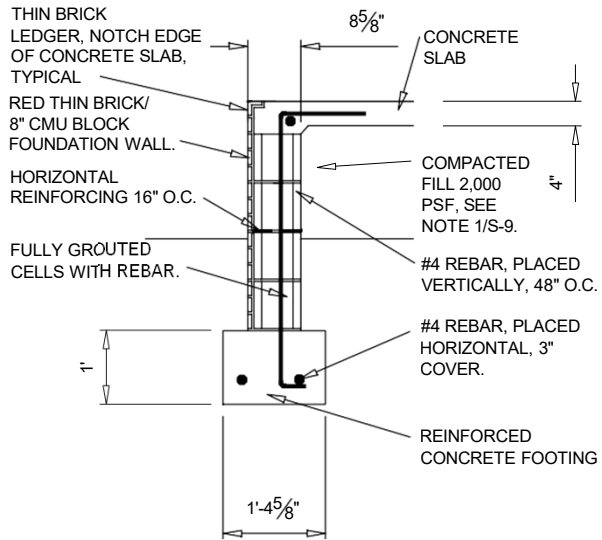
SCALE: 3/8" = 1'-0"

2
S-5

logo		SECTION & DETAIL - COVERED PORCH	
04/14/2023	LDN	drawing title	
date	drawn		
LINE on DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON linrdesign19@gmail.com 919-498-6545	
designer of record		contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner		project title	
north arrow			
S-5			
14 of 53			
drawing sheet			



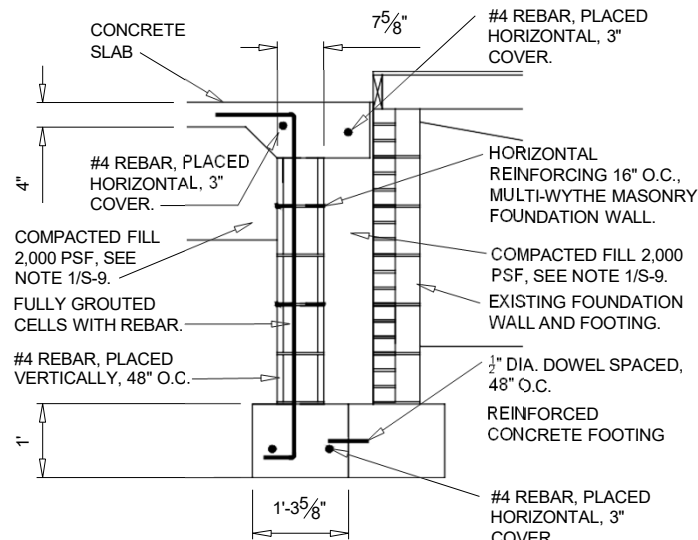
04/14/2023		
date	LDN	ROOF PLAN DETAIL
04/14/2023	LDN	ROOF PLAN DETAIL
LINE ON DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332	LEE D. NELSON linondesign19@gmail.com 919-498-6545	designer of record
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	owner
north arrow		
S-7		
16 of 53		
drawing sheet		



SECTION DETAIL

SCALE: $\frac{3}{8}$ " = 1'-0"

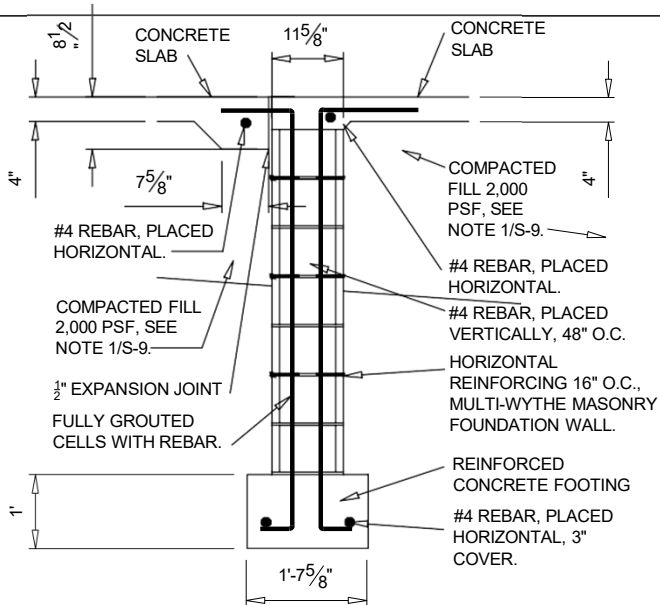
1
S-8



SECTION DETAIL

SCALE: $\frac{3}{8}$ " = 1'-0"

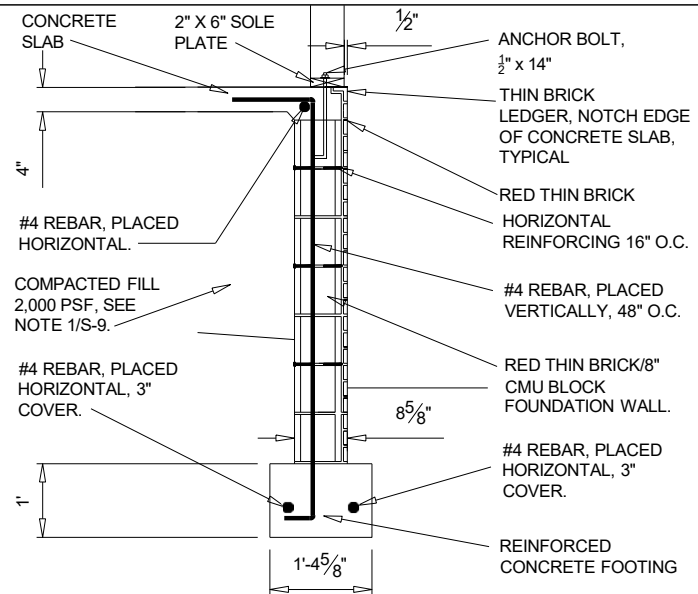
2
S-8



SECTION DETAIL

SCALE: $\frac{3}{8}$ " = 1'-0"

3
S-8



SECTION DETAIL

SCALE: $\frac{3}{8}$ " = 1'-0"

4
S-8

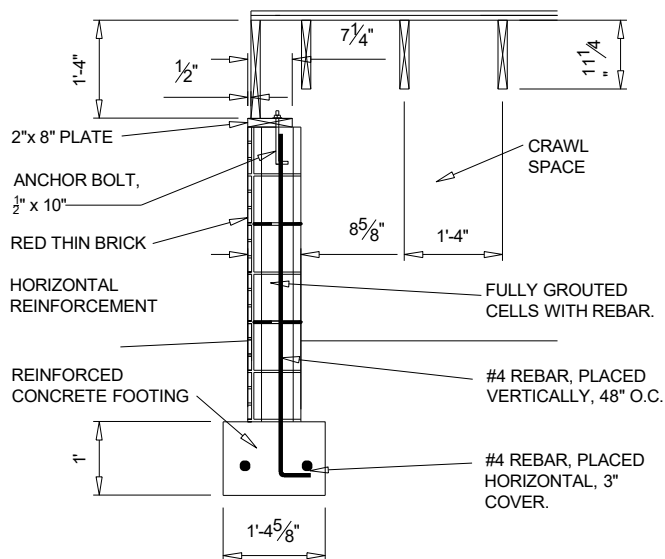
logo		
04/14/2023	LDN	SECTION DETAILS
date	drawn	drawing title
LINE ON DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON lindesign19@gmail.com 919-498-6545
designer of record	contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505	CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL	
owner	project title	

north arrow

S-8

17 of 53

drawing sheet

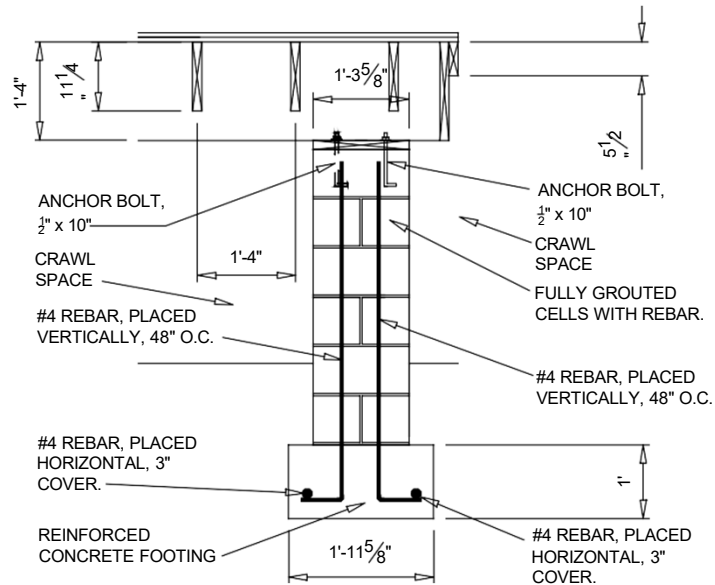


SECTION DETAIL

SCALE: $\frac{3}{8}" = 1'-0"$

1

S-9



SECTION DETAIL

SCALE: $\frac{3}{8}" = 1'-0"$

2

S-9

NOTES:

1. 8" CMU STEM WALLS:

- TYPE "S" MORTAR, fm = 2,000 psi.
- CMU, fm = 2,000 psi.
- GRADE 60 REBAR.
- #4 REBAR @ 48" O.C. IN CMU STEM WALL, GROUT FILL AROUND ALL REBAR.
- REBARS PLACED ON BACKFILL SIDE OF STEM WALL.
- REBARS 2" FROM INSIDE CMU FACE (COVER = $3 \frac{1}{4}$).
- REBAR EMBED MIN. 12" IN STRIP FOOTING WITH A STANDARD 90-DEGREE HOOK AT 6".
- REBAR LAP SPLICE IS 30".
- STEM WALL BENDING DIRECTION 8" NOMINAL DIMENSION.
- FOOTING MUST HAVE A MINIMUM DEPTH OF 15" (RECOMMEND 18").
- STRUCTURAL BACKFILL SHALL MEET 2,000 psf, HAND TAMP ONLY WHEN STEMS HAVE BEEN PLACED IN 6" LIFTS.

logo

04/14/2023

date

LDN

drawn

SECTION
DETAILS

drawing title

LINE on DESIGN
406 CAPTAIN HARBOUR DRIVE
SANFORD, NC 28332

designer of
record

LEE D. NELSON
lindesign19@gmail.com
919-498-6545

contact

TOM & CHERYL SHUMACHER
479 D.L. PHILLIPS LANE
BROADWAY, NC 27505

owner

CONSTRUCT ENTRY/
SUNROOM, PORCH AND
COVERED STRUCTURE OVER
POOL

project title

north arrow

S-9

18 of 53

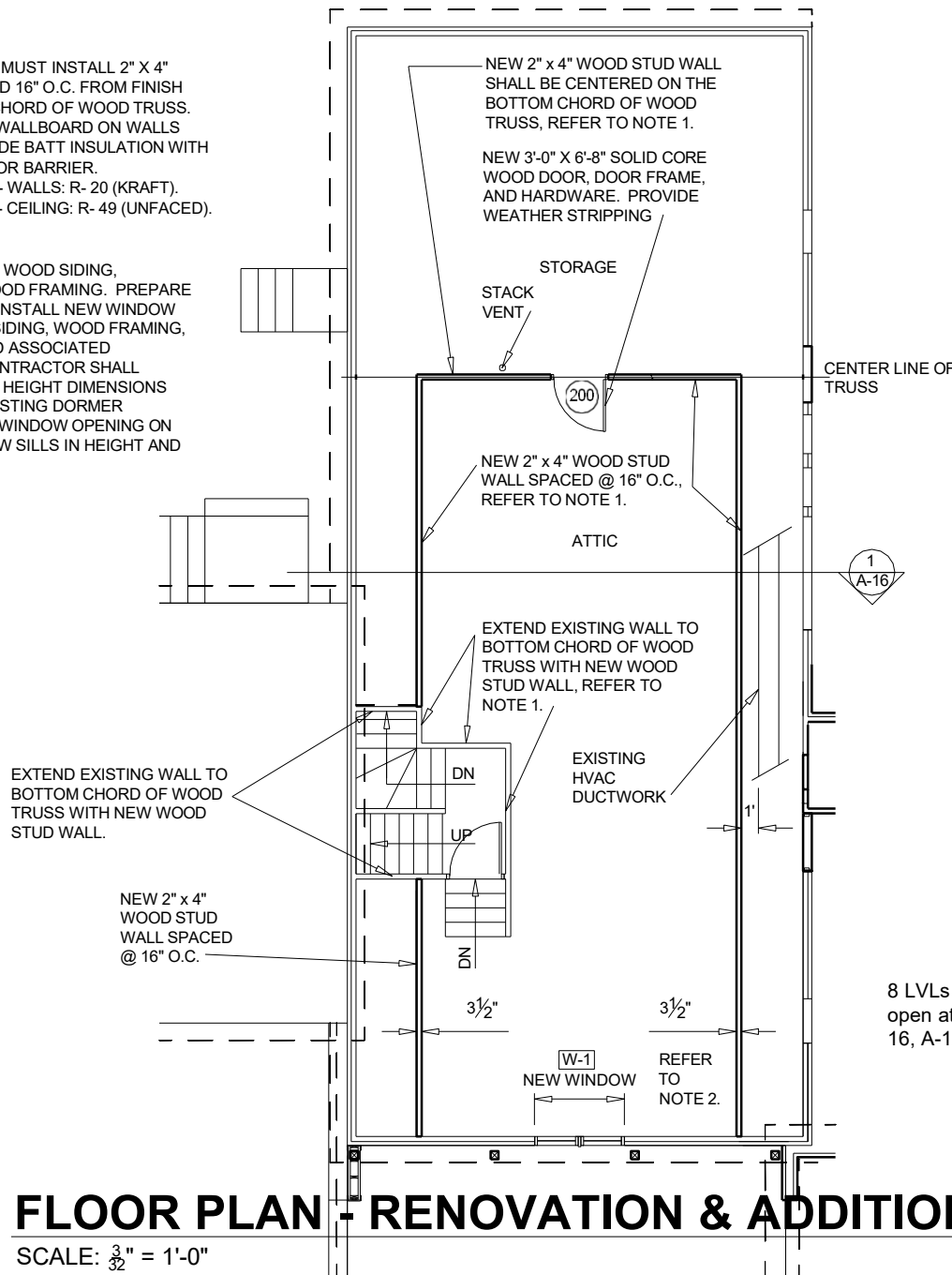
drawing sheet

Attic

NOTES:

1. THE CONTRACTOR MUST INSTALL 2" X 4" WOOD STUDS SPACED 16" O.C. FROM FINISH FLOOR TO BOTTOM CHORD OF WOOD TRUSS. PLACE 1/2" GYPSUM WALLBOARD ON WALLS AND CEILING. PROVIDE BATT INSULATION WITH A KRAFT PAPER VAPOR BARRIER.
 A. BATT INSULATION - WALLS: R- 20 (KRAFT).
 B. BATT INSULATION - CEILING: R- 49 (UNFACED).

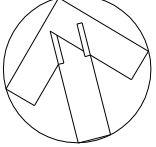
2. REMOVE EXISTING WOOD SIDING, SHEATHING, AND WOOD FRAMING. PREPARE FOR NEW WINDOW. INSTALL NEW WINDOW TO INCLUDE WOOD SIDING, WOOD FRAMING, TRIM, FLASHING, AND ASSOCIATED MATERIALS. THE CONTRACTOR SHALL VERIFY LENGTH AND HEIGHT DIMENSIONS FROM ADJACENT EXISTING DORMER WINDOWS. CENTER WINDOW OPENING ON WALL. ALIGN WINDOW SILLS IN HEIGHT AND ELEVATION.

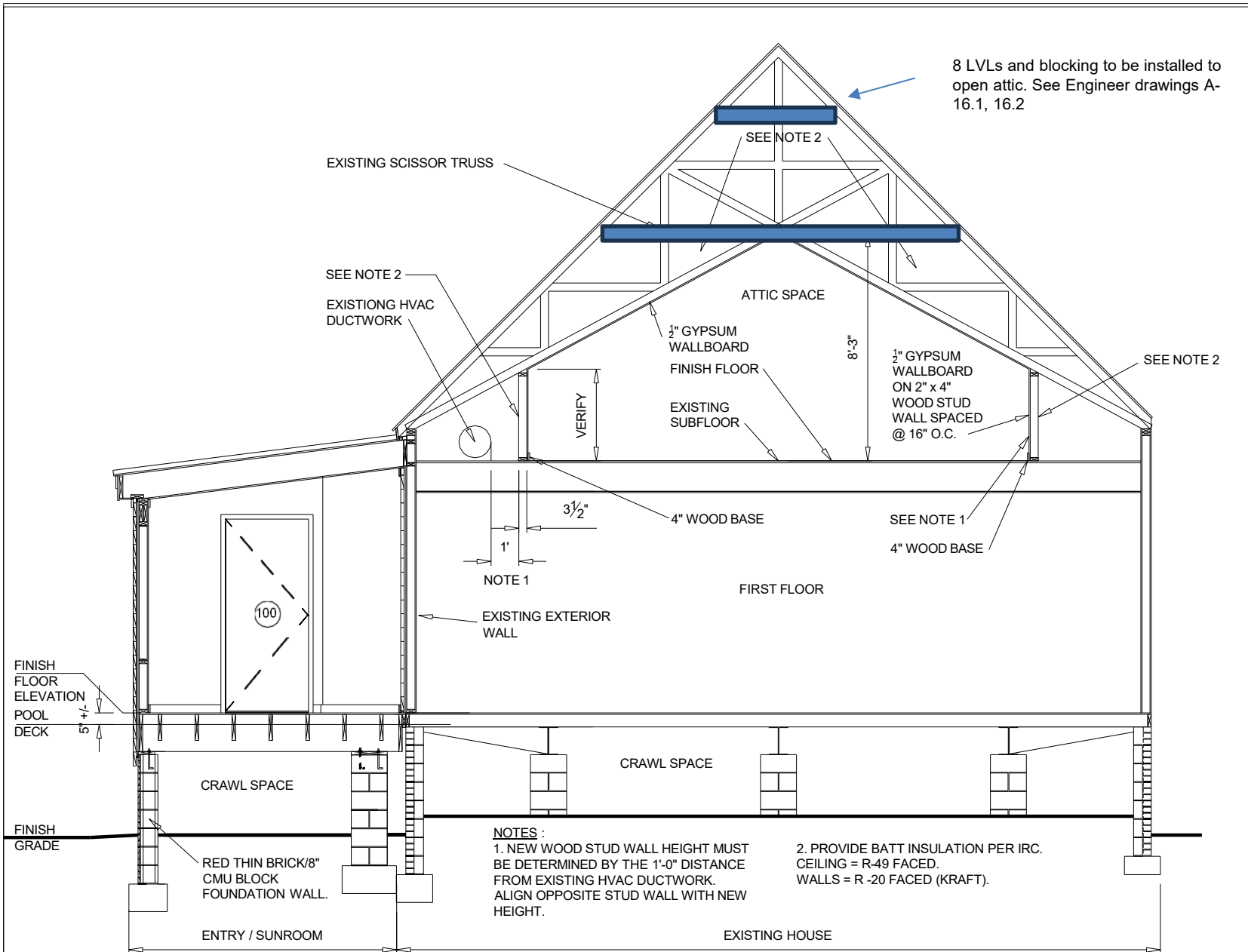


8 LVLs and blocking to be installed to open attic. See Engineer drawing A-16, A-16.1, 16.2

FLOOR PLAN - RENOVATION & ADDITION - ATTIC

SCALE: $\frac{3}{32}$ " = 1'-0"

logo		
04/14/2023	LDN	FLOOR PLAN - ATTIC SPACE
date	drawn	drawing title
LINE ON DESIGN 406 CAPTAIN HARBOUR DRIVE SANFORD, NC 28332		LEE D. NELSON lindesign19@gmail.com 919-498-6545
designer of record	contact	
TOM & CHERYL SHUMACHER 479 D.L. PHILLIPS LANE BROADWAY, NC 27505		CONSTRUCT ENTRY/ SUNROOM, PORCH AND COVERED STRUCTURE OVER POOL
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8 LVLs and blocking to be installed to open attic. See Engineer drawings A-16.1, 16.2

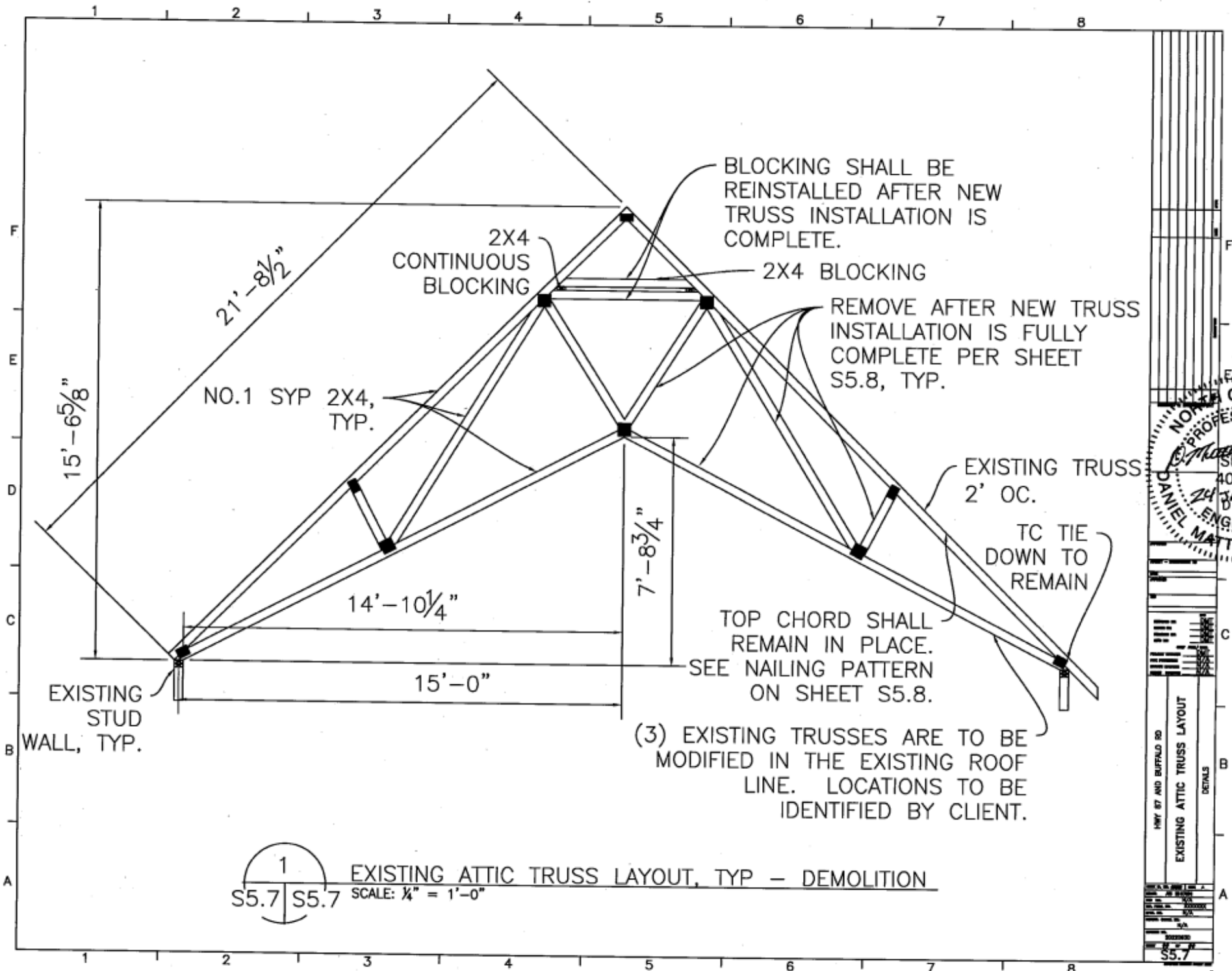
NOTES :
 1. NEW WOOD STUD WALL HEIGHT MUST BE DETERMINED BY THE 1'-0" DISTANCE FROM EXISTING HVAC DUCTWORK. ALIGN OPPOSITE STUD WALL WITH NEW HEIGHT.
 2. PROVIDE BATT INSULATION PER IRC. CEILING = R-49 FACED. WALLS = R-20 FACED (KRAFT).

BUILDING SECTION - ATTIC SPACE

SCALE: $\frac{3}{16}" = 1'-0"$

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A-16

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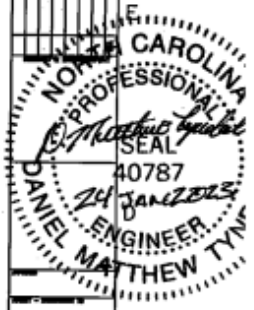


BLOCKING SHALL BE REINSTALLED AFTER NEW TRUSS INSTALLATION IS COMPLETE.

REMOVE AFTER NEW TRUSS INSTALLATION IS FULLY COMPLETE PER SHEET S5.8, TYP.

TOP CHORD SHALL REMAIN IN PLACE. SEE NAILING PATTERN ON SHEET S5.8.

(3) EXISTING TRUSSES ARE TO BE MODIFIED IN THE EXISTING ROOF LINE. LOCATIONS TO BE IDENTIFIED BY CLIENT.



1
S5.7 | S5.7
EXISTING ATTIC TRUSS LAYOUT, TYP - DEMOLITION
SCALE: 1/4" = 1'-0"

1987 87 AND BUFFALO RD
 EXISTING ATTIC TRUSS LAYOUT
 DETAILS
 S5.7

GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH THE CURRENT EDITION OF THE NORTH CAROLINA BUILDING CODE AND THE INTERNATIONAL RESIDENTIAL CODE (IRC).
2. THE CONTRACTOR MUST FIELD VERIFY ALL SITE CONDITIONS AND DIMENSIONS.
3. DIMENSIONS FOR STUD WALLS ARE FROM FACE TO FACE OF WOOD OR METAL STUDS.
4. WOOD STUDS AND WOOD JOISTS SHALL BE A MINIMUM OF GRAD 2, UNLESS OTHERWISE INDICATED.
5. PROVIDE PRE-MANUFACTURED METAL WOOD CONNECTORS FROM SIMPSON STRONG WOOD CONNECTORS ON ALL STRUCTURAL WOOD MEMBERS TO INCLUDE JOIST HANGERS, COLUMN SUPPORTS, POST CAPS, POST BASES, BEAM CONNECTORS, ETC., ACCORDING TO PRODUCT INSTRUCTIONS AND DESIGN PURPOSE, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
6. PROVIDE "L" SHAPED ANCHOR BOLTS. ALL WOOD SILL PLATES AND SOLE PLATES SHALL BE ANCHORED TO THE FOUNDATION WALL WITH ½" ANCHOR BOLTS. ANCHOR BOLTS SHALL EXTEND NO LESS THAN 8" INTO CONCRETE OR GROUTED CELLS OF CONCRETE MASONRY UNITS (CMU), REFER TO DRAWING NOTES. THE BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE.
7. SILL PLATES AND SOLE PLATES SHALL BE PROTECTED AGAINST DECAY AND TERMITES.
8. RAFTERS SHALL BE PLACED 24" O.C., UNLESS SPECIFICALLY STATED OTHERWISE.
9. JOISTS AND STUDS SHALL BE PLACED, 16" O.C., UNLESS SPECIFICALLY STATED OTHERWISE.
10. PROVIDE CONDUIT AND PULL WIRE FOR FUTURE USE OF ELECTRICAL WORK. DO NOT SURFACE MOUNT CONDUIT ON FINISH SURFACES.

SPECIFICATIONS:

I. METAL STANDING SEAM ROOF -

- A. METAL; LOW SLOPE: PROVIDE A LOW SLOPE, HYDROSTATIC (WATER HOLDING), METAL STANDING SEAM ROOF WITH A 1-1/2/12 ROOF SLOPE, 24-GAUGE, MECHANICALLY SEAMED ROOF SYSTEM. THE STANDING SEAMS SHALL BE 1-¾" - 2" IN HEIGHT, DOUBLE LOCKED. THE STANDING SEAM METAL ROOF SHALL COMPLY WITH ASTM E2140 STANDARD TEST METHOD FOR WATER PENETRATION OF METAL ROOF PANEL SYSTEMS BY STATIC WATER PRESSURE HEAD IN ADDITION, THE ROOF SYSTEM SHALL COMPLY WITH UL 2218 - STANDARD FOR IMPACT RESISTANCE PREPARED ROOF COVERING MATERIALS, CLASS 4 (FOR HAIL DAMAGE).
- B. SHEATHING: PROVIDE A HUBER ZIP SYSTEM.
- C. UNDERLAYMENT: PROVIDE THE PRODUCT, SHARK SKIN SA, FULLY ADHERED, PEEL AND STICK UNDERLAYMENT.
- D. VENTILATION MATT: PROVIDE A ROOF VENTILATION MAT COMPLYING WITH CEDAIR MAT.
- E. ROOF JACKS: PROVIDE EPDM ROOF JACKS.
- F. CENTER THE STACK VENT ON THE ROOF PANEL.

II. ASPHALT SHINGLES -

- A. THE CONTRACTOR SHALL PROVIDE THE ASPHALT SHINGLES TO MATCH EXISTING SHINGLES BY THE MANUFACTURER, PRODUCT, SERIES, STYLE, THICKNESS, AND COLOR AS THE EXISTING SHINGLE ROOF.

B. PROVIDE ASPHALT SHINGLES COMPLYING WITH OWENS CORNING - BROWNWOOD.

III. WOOD SIDING -

- A. SIZE AND SERIES OF WOOD SIDING SHALL BE 2" X 8" SOUTHERN YELLOW PINE "D" LOG SIDING.
- B. WOOD SIDING SHALL MATCH EXISTING WOOD SIDING IN SIZE, SHAPE, PROFILE, DESIGN, WOOD SPECIES AND FINISH.
- C. WOOD SIDING SHALL BE ATTACHED TO 1" X 3" X ¾" WOOD FURRING STRIPS.

IV. PVC VENT STRIP -

- A. PROVIDE EXTRUDED RIGID PVC INDUSTRY STANDARD, CHEMICALLY RESISTANT PRODUCT, DESIGNED TO PROVIDE CAVITY VENTILATION BEHIND WOOD SIDING TO WEEP OUT. THE RAINSCREEN PRODUCT CAN BE PURCHASED FROM R.H. TAMLYN & SONS, LP., PHONE # 281-499-9604.
- B. THE THICKNESS SHALL BE 0.030".
- C. PROVIDE RAINSCREEN SIZE ¾", MODEL # VSJ34.

V. THIN FULL SIZE BRICK, RED

- A. PROVIDE THIN OR FULL RED BRICK ON FOUNDATION WALLS AS SHOWN.
- B. THE THIN OR FULL BRICK SHALL MATCH EXISTING IN PROFILE, DESIGN, SHAPE, TEXTURE, FINISH AND COLOR.
- C. PROVIDE THIN BRICK SIZE IN 8" X 2.25" X ¾".
- D. THE THIN OR FULL BRICK SHALL HAVE A LIFETIME WARRANTY.
- E. THE THIN OR FULL BRICK SHALL COURSE WITH THE EXISTING BRICK.
- F. THE THIN OR FULL BRICK INSTALLATION IN A PROFESSIONAL MANNER AND SHALL BE STRAIGHT, LEVEL AND PLUMB.

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VI. CONCRETE SLAB, VAPOR BARRIER AND BASE COURSE -

A. CONCRETE SLAB SHALL COMPLY WITH AMERICAN CONCRETE INSTITUTE (ACI), ACI 302.1R-15 AND ACI 360R.

B. VAPOR RETARDER/BARRIER MATERIAL SHALL HAVE A WATER VAPOR TRANSMISSION RATE, NOT EXCEEDING 0.1 PERM AS DETERMINED BY ASTM E96/E96M OR ASTM F1249.

C. LAPS OR SEAMS FOR A VAPOR RETARDER/ BARRIER SHOULD BE OVERLAPPED 6-INCHES.

D. JOINTS AND PENETRATIONS SHOULD BE SEALED WITH THE MANUFACTURERS' RECOMMENDED ADHESIVE, PRESSURE-SENSITIVE TAPE OR BOTH.

E. VAPOR RETARDER/BARRIER LOCATION SHALL BE PLACED BETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURSE.

F. BASE COURSE SHALL BE 4" THICK CONSISTING OF GRAVEL OR CRUSHED STONE.

VIII. DOORS -

A. PROVIDE EXTERIOR, FIBERGLASS DOORS BY JELD-WEN, FARMHOUSE STYLE WITH A SMOOTH DESIGN. THE EXTERIOR DOORS SHALL HAVE A SMOOTH FIBERGLASS FACING, SQUARE EDGE DESIGN. THE STILES AND RAILS SHALL BE COMPOSITE CAPPED LVL WITH A 12" LOCK BOX.

B. PROVIDE AN INTERIOR, MOLDED WOOD COMPOSITE DOOR BY JELD-WEN WITH SMOOTH DESIGN PANELS. THE DOOR FRAMING SHALL BE WOOD OR MDF FRAME.

IX. WINDOWS -

A. PROVIDE ALUMINUM SINGLE-HUNG WINDOWS BY JELD-WEN. THE BALANCE SYSTEM SHALL BE BLOCK AND TACKLE OR SPIRAL. THE CONTRACTOR MUST INSTALL THE WINDOWS LEVEL AND PLUMB.

B. PROVIDE ALUMINUM CASEMENT WINDOWS BY JELD-WEN.

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XIII. EXTERIOR SOFFIT -

A. PROVIDE EXTERIOR SOFFIT SHALL BE TYPE "C" DRYWALL PANELS, 4'-0" X 8'-0" X ½", 2.3 LBS/SF2, COMPLYING WITH PRODUCT STANDARD ASTM C1396.

B. CODE REFERENCE SHALL COMPLY WITH INTERNATIONAL RESIDENTIAL CODE (IRC).

C. EXTERIOR SOFFIT SHALL COMPLY WITH SURFACE BURNING CHARACTERISTIC, CLASS "A", ASTM E84.

D. EXTERIOR SOFFIT PANELS SHALL BE MANUFACTURED BY CERTANTEED.

XIV. FIBERGLASS INSULATION -

A. PROVIDE FIBERGLASS INSULATION UNFACED OR FACED (KRAFT) OR SPRAY, MANUFACTURED IN COMPLIANCE WITH ASTM C665.

B. FIBERGLASS INSULATION SHALL COMPLY WITH INTERNATIONAL RESIDENTIAL CODE (IRC) AND NC-IRC (CURRENT EDITION), TABLE N1102.1.2 (R402.1.2), CLIMATE ZONE 4 (EXCEPT MARINE).

C. FIBERGLASS INSULATION SHALL BE MANUFACTURED BY OWENS CORNING, "PINK NEXT GEN", INSULATION OR SPRAY INSULATION MEETING OR EXCEEDING R VALUE SPECIFICATIONS..

XV. USG MICORE 300 -

A. PROVIDE MINERAL FIBERBOARD, COMPLYING WITH CLASS "A" SURFACE BURNING CHARACTERISTIC PER ASTM E84.

B. THE FIBERBOARD SHALL BE MANUFACTURED BY UNITED STATES GYPSUM (USG), PRODUCT MICORE - 300. THE THICKNESS SHALL BE ¾".

C. DO NOT PAINT THE FIBERBOARD.

D. PRODUCT IS NOT INTENDED FOR USE WITH CERAMIC TILE.

E. AVOID EXPOSURE TO EXCESSIVE OR CONTINUOUS MOISTURE.

XVI. BEADBOARD -

A. PROVIDE BEADBOARD FOR CEILING INSTALLATION, COMPLYING WITH THE FOLLOWING:

B. MDF - PREMIUM GRADE, MEDIUM DENSITY FIBERBOARD (MDF) IS A STABLE SUBSTRATE MATERIAL IDEALLY SUITED FOR INTERIOR APPLICATIONS. THE BEADBOARD SIZE SHALL BE 4'-0" X 8'-0" X ¾".

C. MRX - PREMIUM GRADE, EXTERIOR WATER RESISTANT PRODUCTS ARE MANUFACTURED FROM TREATED EXTERIOR WOOD COMPOSITES. MRX PRODUCTS ARE RECOMMENDED FOR MEDIUM TO HIGH HUMIDITY LOCATIONS. THE BEADBOARD SIZE SHALL BE 4'-0" X 8'-0" X ½".

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