

**NOTICE TO CONTRACTOR**  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

**APPROVED**  
Limited building only review  
Permit holder responsible for full compliance with the code

03/29/2021



SEE SHEET "S-2" FOR TYPICAL FOUNDATION & FRAMING DETAILS AND GENERAL NOTES

**AREA CALC'S**

SQUARE FTG'S TO STUD	
FLOOR AREA - HEATED	3,160 SQ. FT.
FLOOR AREA - UNHEATED (LAWN)	450 SQ. FT.
TOTAL ENCLOSED AREA	3,600 SQ. FT.
FRONT COVERED PORCH	200 SQ. FT.
SIDE COVERED PORCH	288 SQ. FT.
TOTAL UNHEATED	488 SQ. FT.
GROSS (HEATED, UNHEATED, PORCH & DECK, GARAGE, UNFINISHED AREA)	4,088 SQ. FT.

**AREA NOTES:**  
ALL CALCULATIONS ABOVE ARE FOR AREAS UNDER COVER FROM ROOF STRUCTURE ABOVE.  
SQUARE FOOTAGE CALCULATED FOR ALL HEATED AREAS ABOVE 5'-0" HEAD HEIGHT, AND TO EXTERIOR WALLS, OR PERIMETERS OF STRUCTURE DIMENSIONS AS SHOWN ON FLOOR PLANS.  
OPEN TO BELOW AREAS ARE OMITTED.  
STAIRWAYS COUNTED ONCE PER TWO STORIES, AND INCLUDED ON LOWER STORY LEVEL OF STAIRS.

**MHD DESIGN**  
BUILDING DESIGN & DRAFTING SERVICES  
252-813-3491

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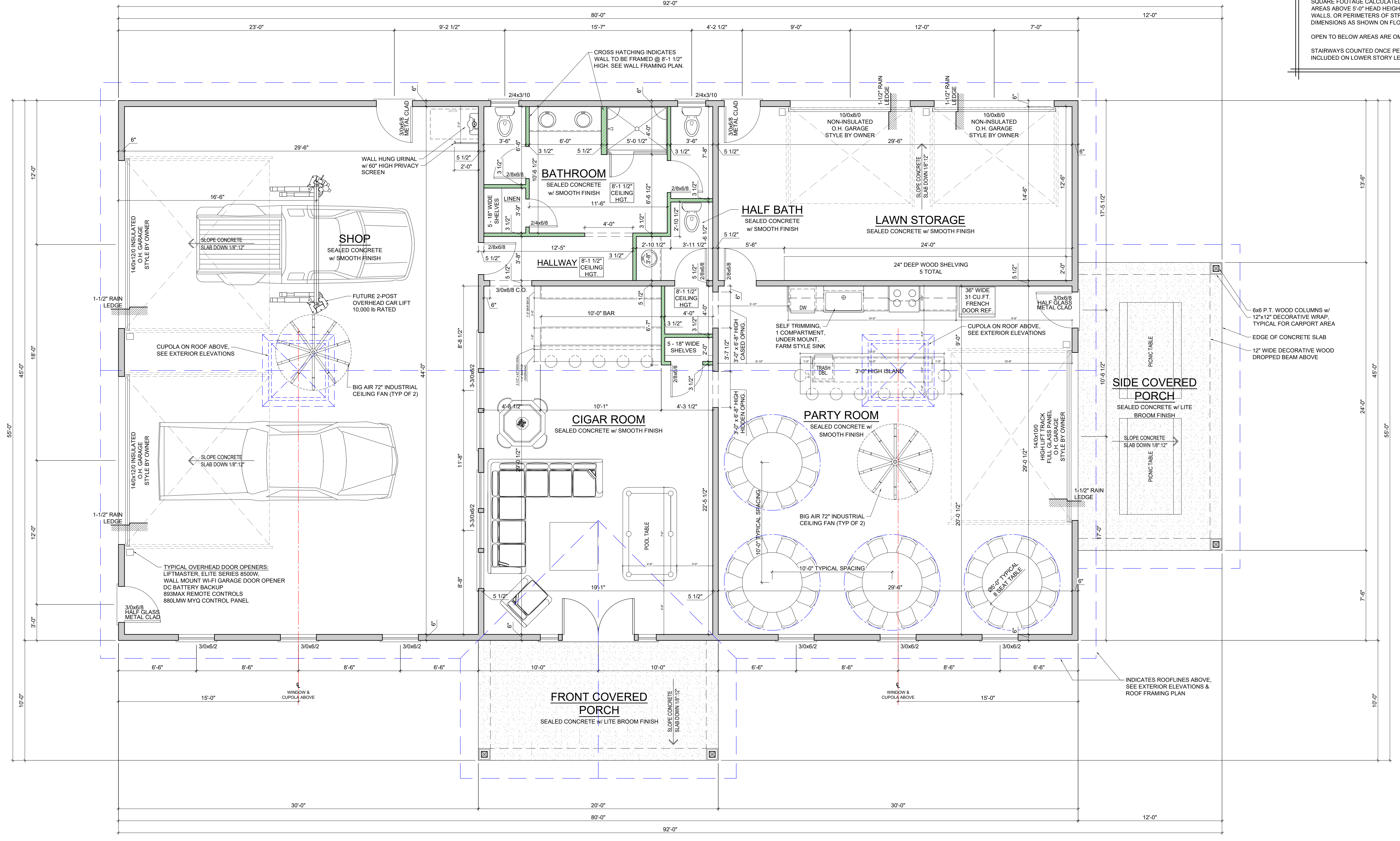
**MHD Design, Inc.**  
Mac Morgan  
4747 NC Hwy, 42 West  
Mooresville, North Carolina 27852  
M 252.813.3491  
mmorgan@mhdhdesign.com  
www.mhdhdesign.com

Revisions:

Detached Garage for:  
**Donald Ray Glover**  
155 Addie Webb Lane  
Dunn, NC 28334

**B-1**

Sheet No.  
Oct 25, 2020, 6:21pm  
Plotted on:  
**FLOOR PLAN**  
Sheet title:



**1 FLOOR PLAN**  
14'-0" HIGH CEILING (NOMINAL) U.N.O.  
7'-4" TYPICAL WINDOW HEAD HGT. U.N.O.

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

Date: 01/25/2020 6:21pm User: CAD6 File: D:\CAD\MHD Design\150 Projects\Donald Glover - Barn\Drawings\Latest Rev\150Rv01.dwg

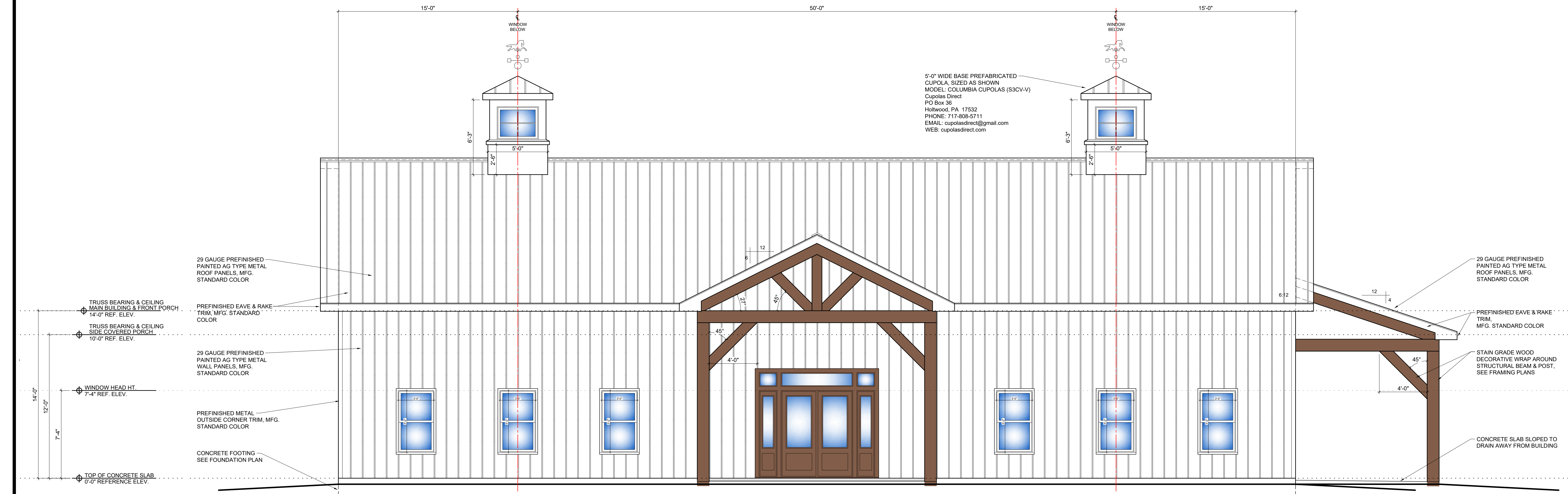
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**MHD Design, Inc.**  
Mac Morgan  
4747 NC Hwy, 42 West  
Mooresville, North Carolina 27852  
M 252.813.3491  
mmorgan@mhd-design.com  
www.mhd-design.com

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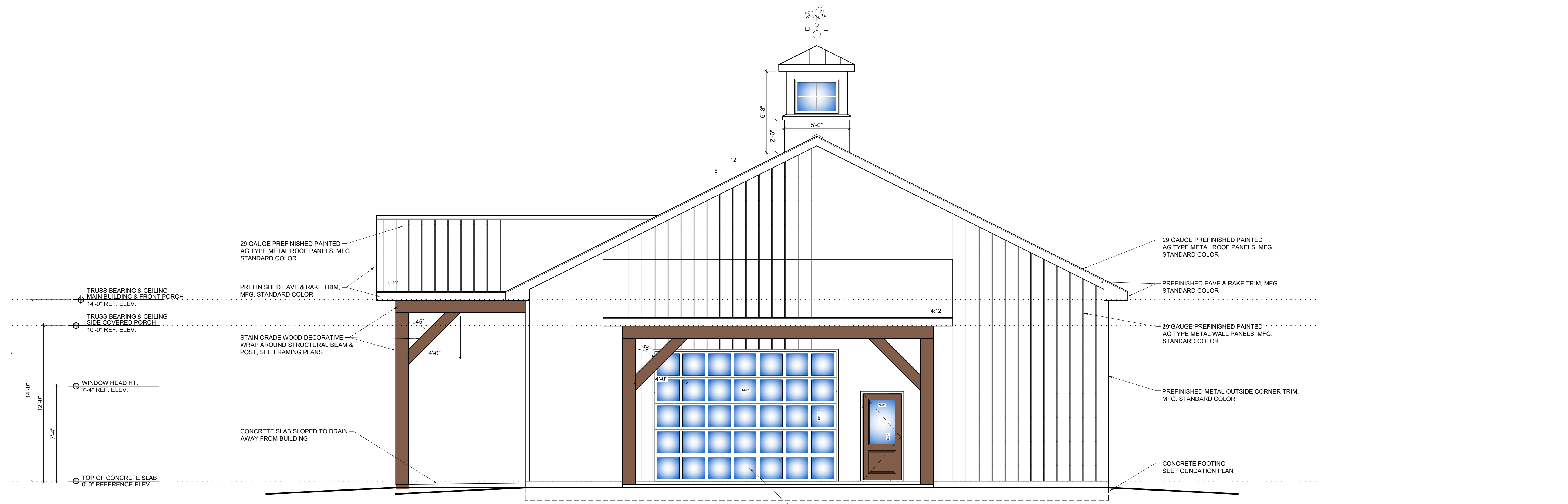
Detached Garage for:  
**Donald Ray Glover**  
155 Addie Webb Lane  
Dunn, NC 28334

**B-2**  
Sheet No.  
Oct 25, 2020, 6:21pm  
Plotted on:  
**EXTERIOR ELEVATIONS**  
Sheet title:



1 FRONT ELEVATION  
B-2

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



2 RIGHT ELEVATION  
B-2

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

Date: Oct 25, 2020 6:21pm User: CAD6 File: D:\CAD\MHD Design\1500 Projects\Donald Glover - Barn\Drawings\Latest\_Revision\Barn.dwg

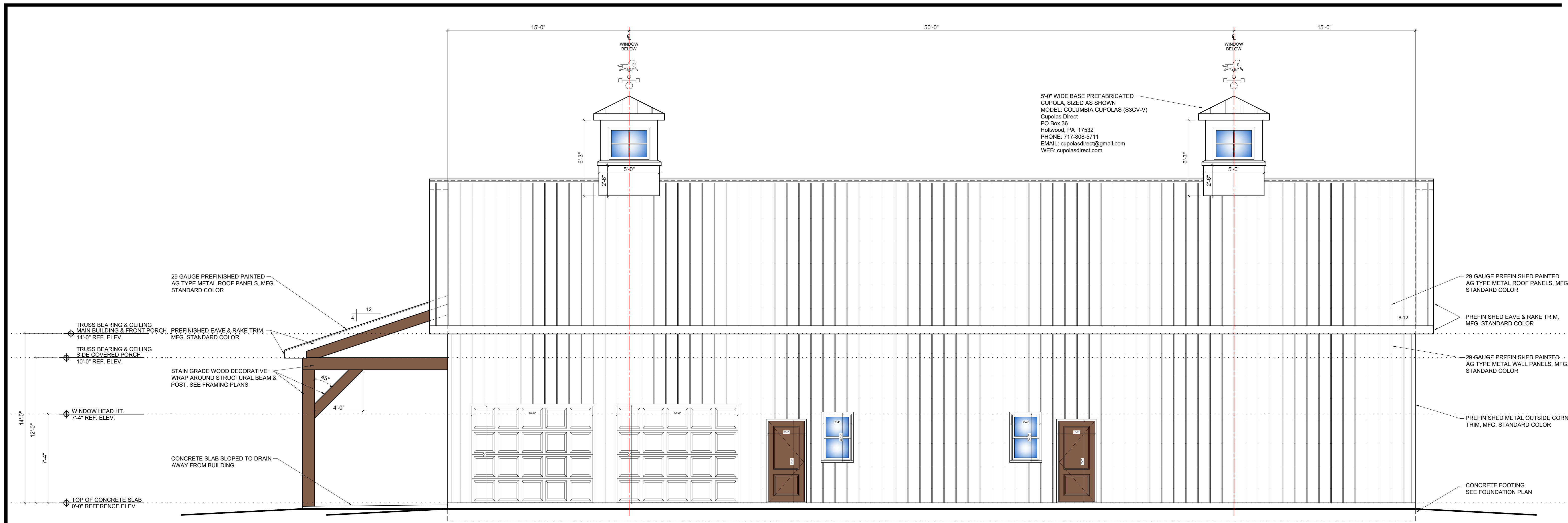
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**MHD Design, Inc.**  
Mick Morgan  
4747 NC Hwy, 42 West  
Mooresville, North Carolina 27852  
M 252.813.3491  
mmorgan@mhd-design.com  
www.mhd-design.com

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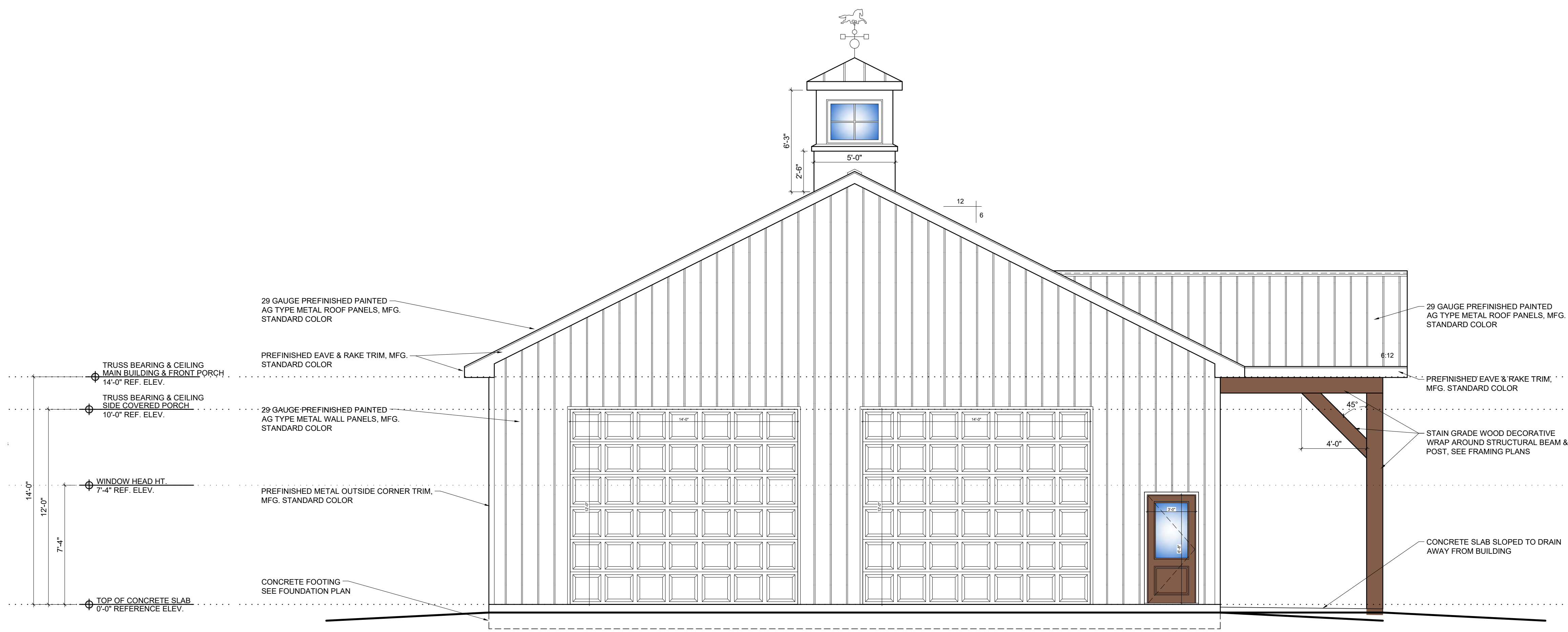
Detached Garage for:  
**Donald Ray Glover**  
155 Addie Webb Lane  
Dunn, NC 28334

**B-3**  
Sheet No.  
Oct 25, 2020, 6:21pm  
Plotted on:  
**EXTERIOR ELEVATIONS**  
Sheet title:



1 REAR ELEVATION

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

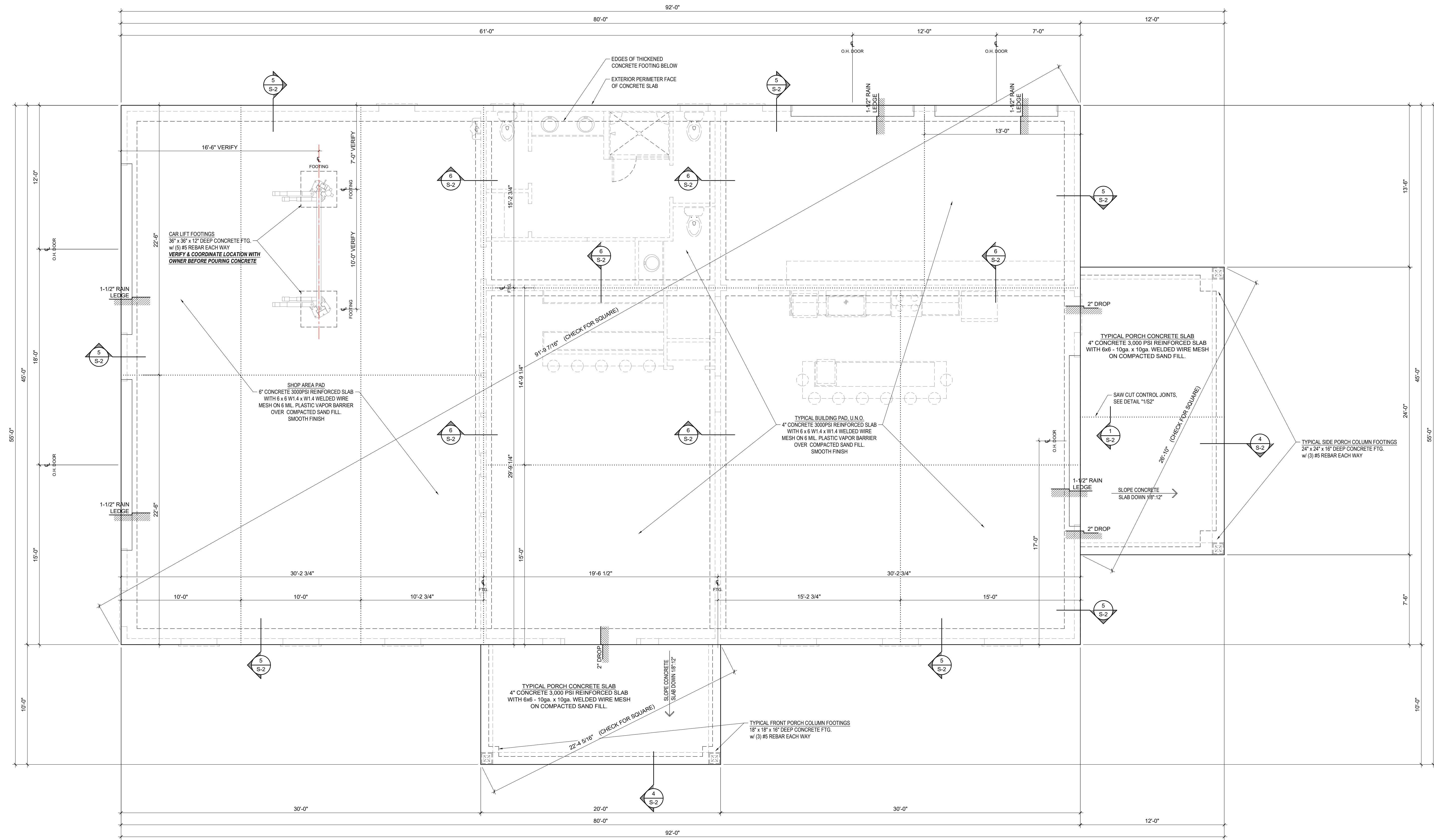


2 LEFT ELEVATION

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

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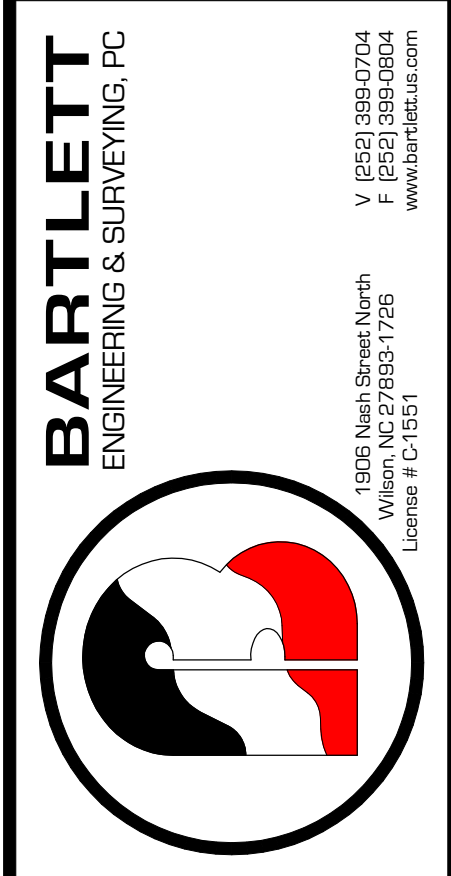
SEE SHEET "S-2" FOR TYPICAL FOUNDATION & FRAMING DETAILS AND GENERAL NOTES



1 FOUNDATION PLAN  
S-1 CONCRETE SLAB ON GRADE

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

Owner:  
**Donald Ray Glover**  
Mobile 910.984.4823  
155 Addie Webb Lane Dunn, NC 28334

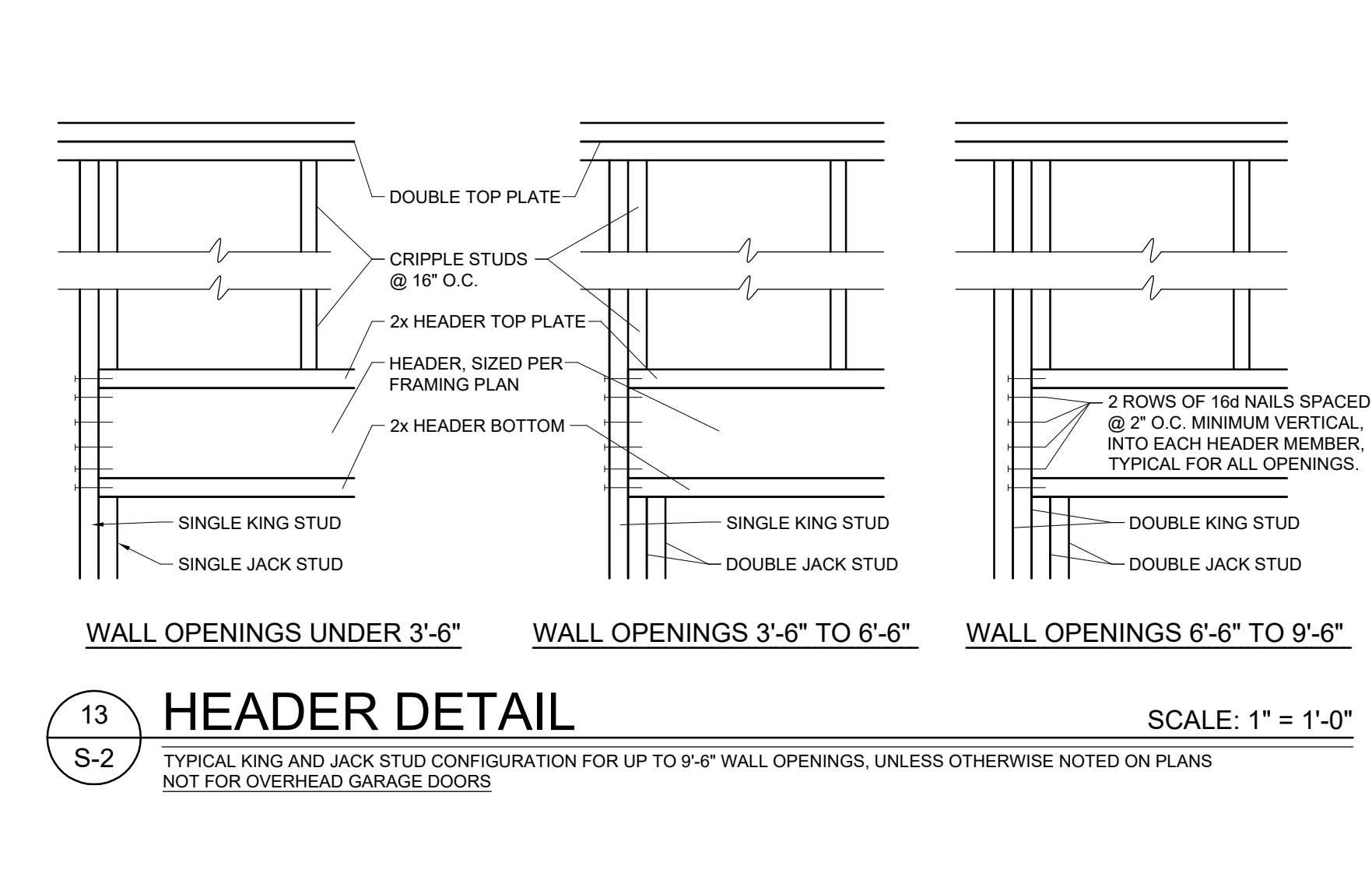
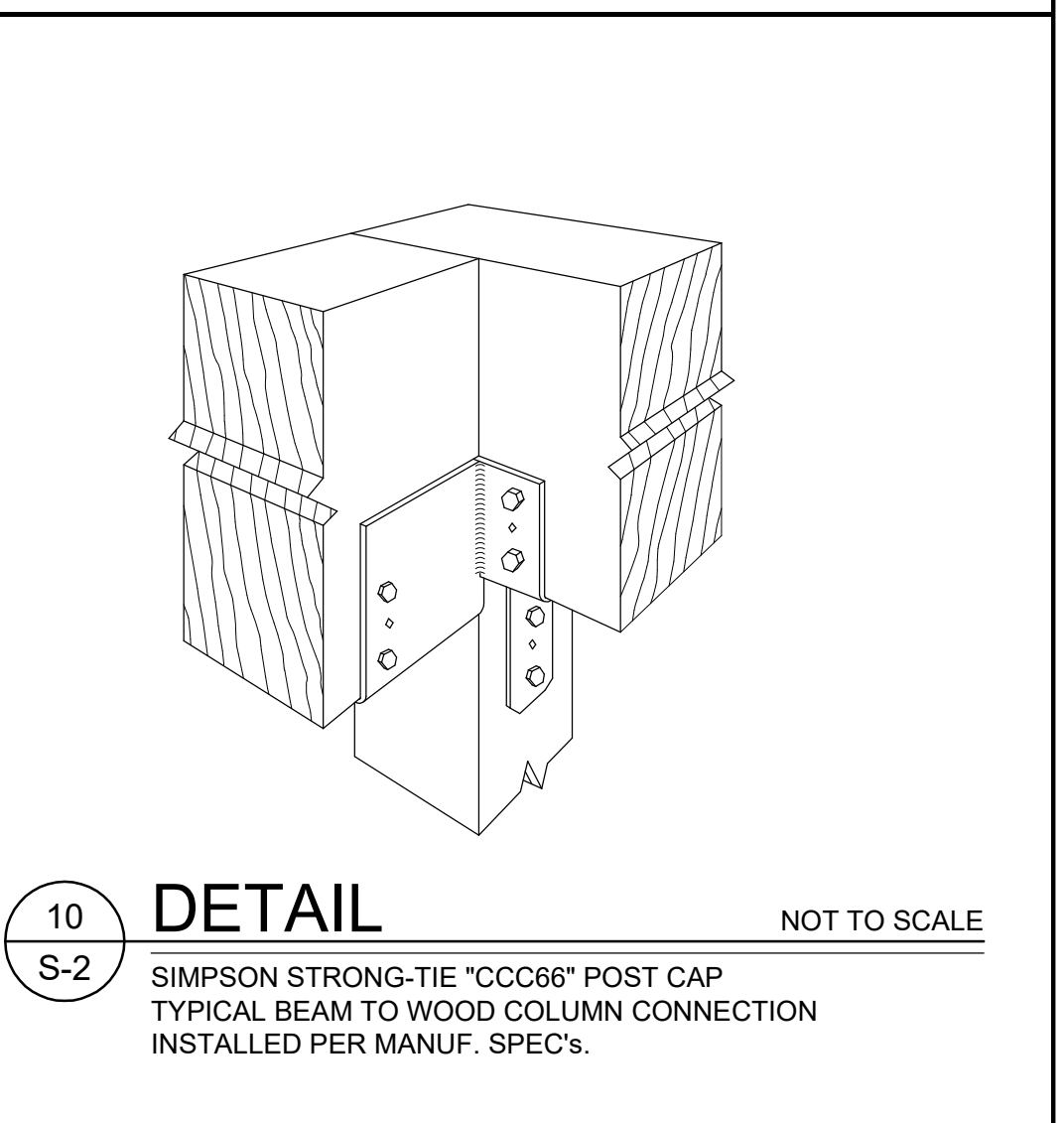
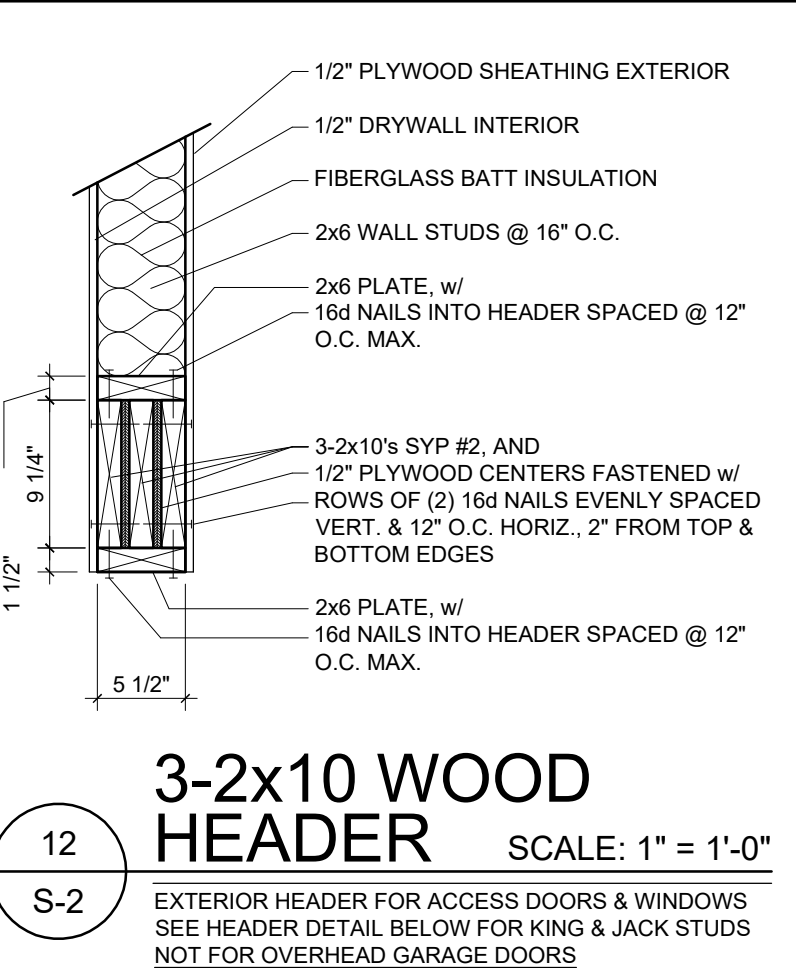
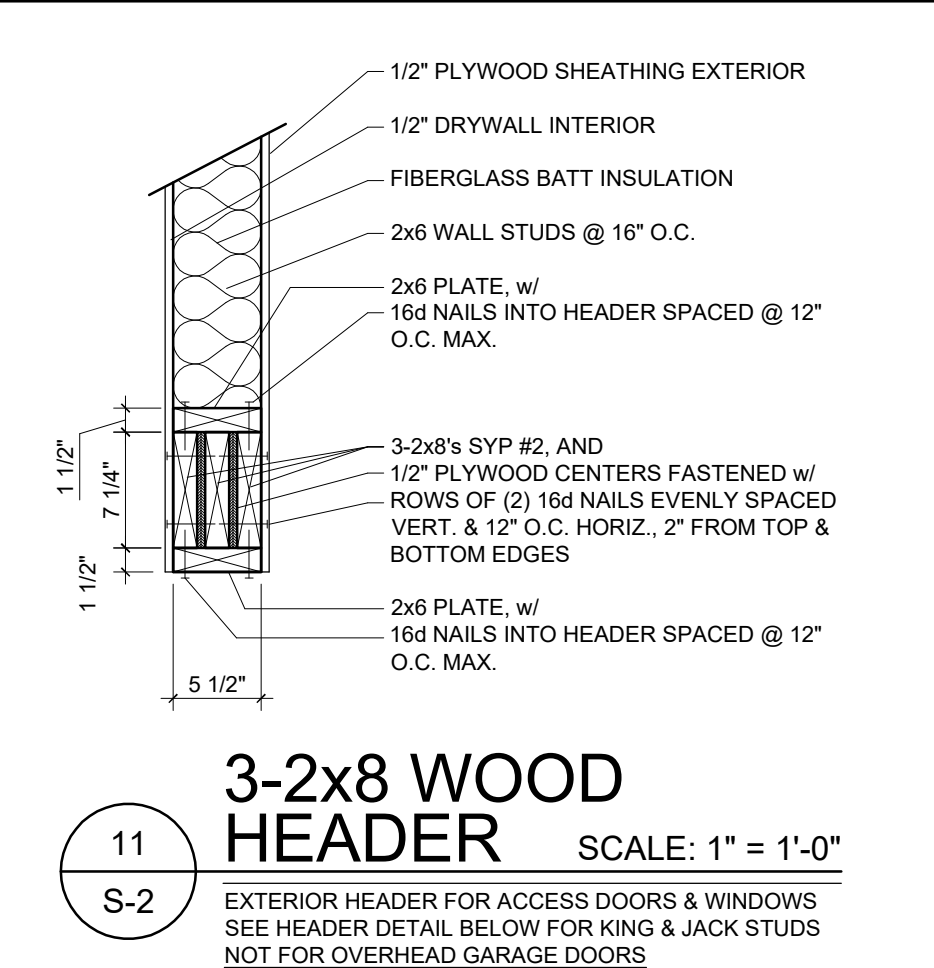
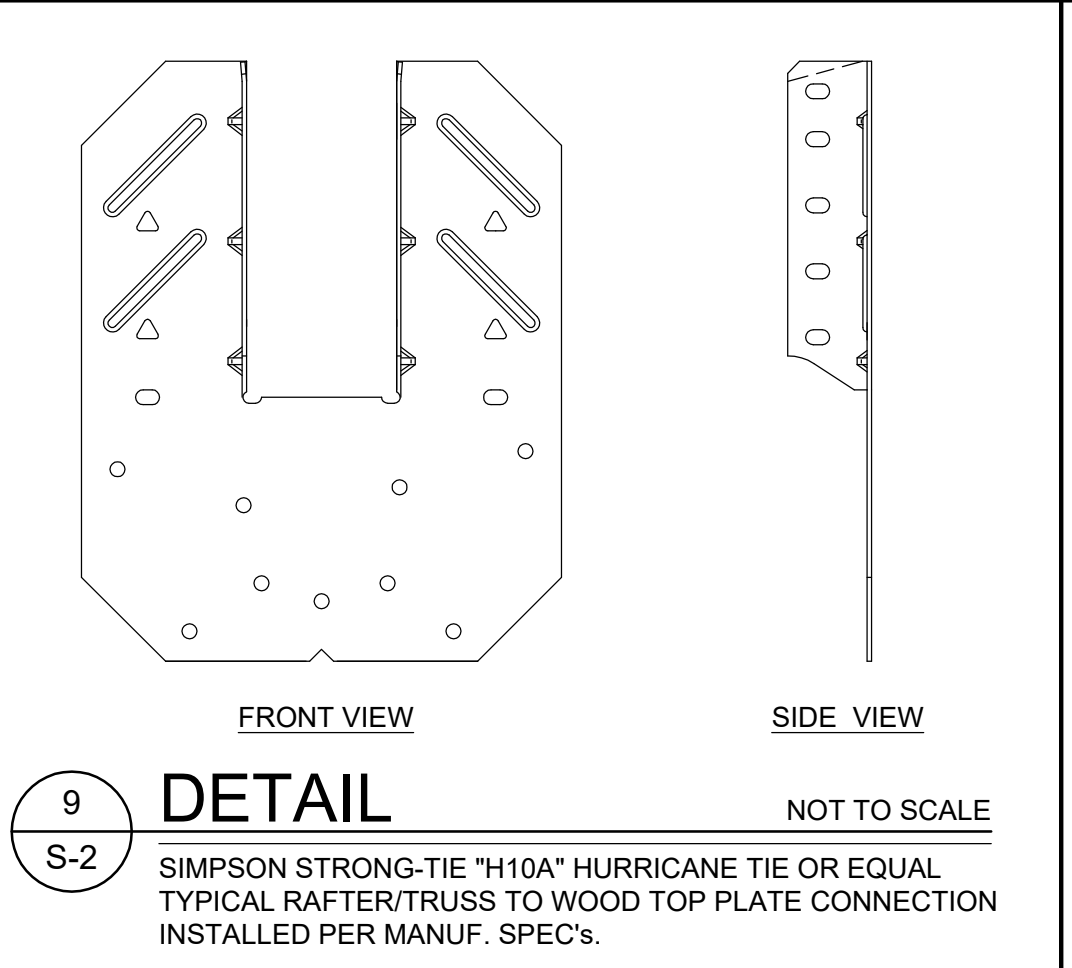
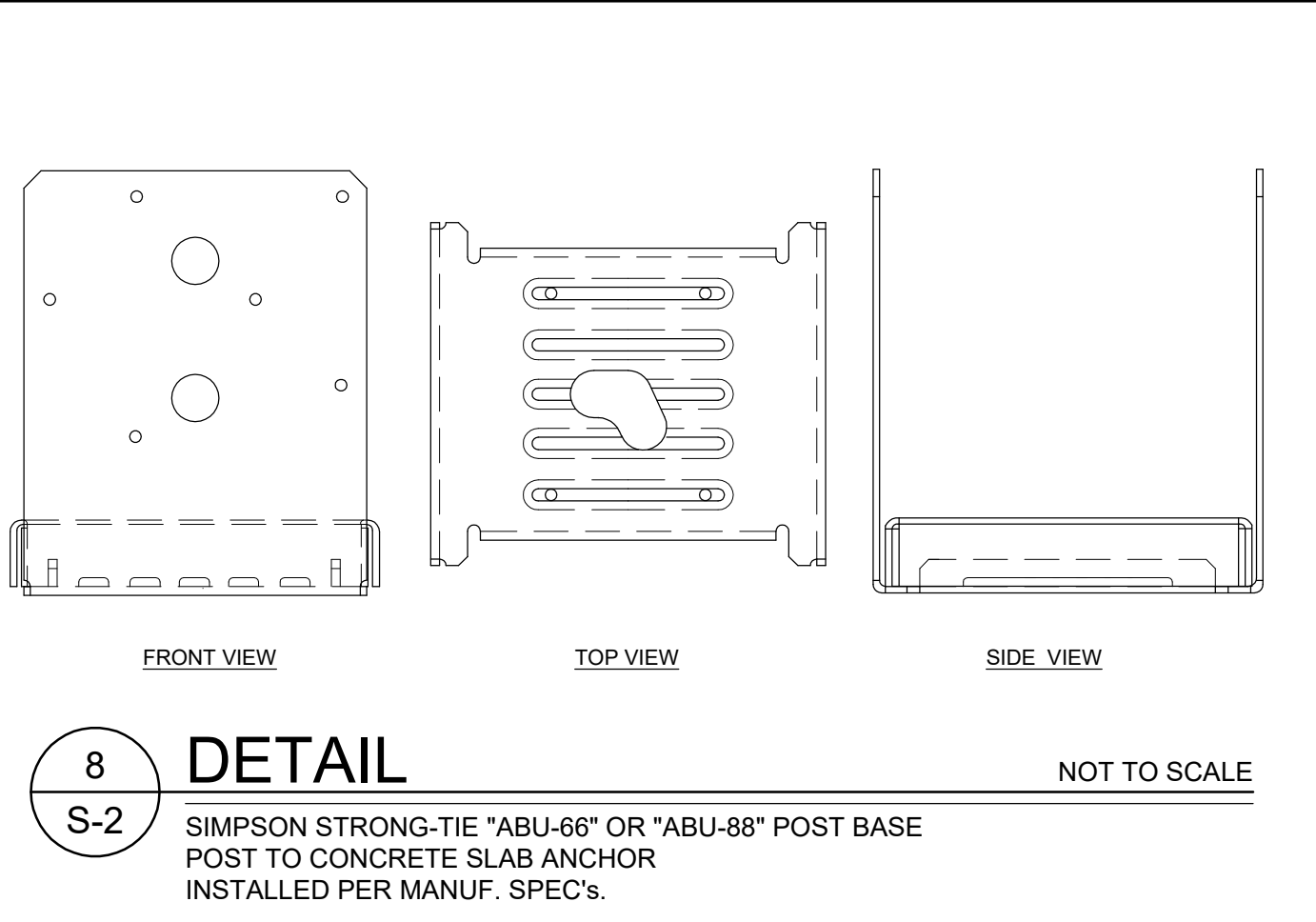
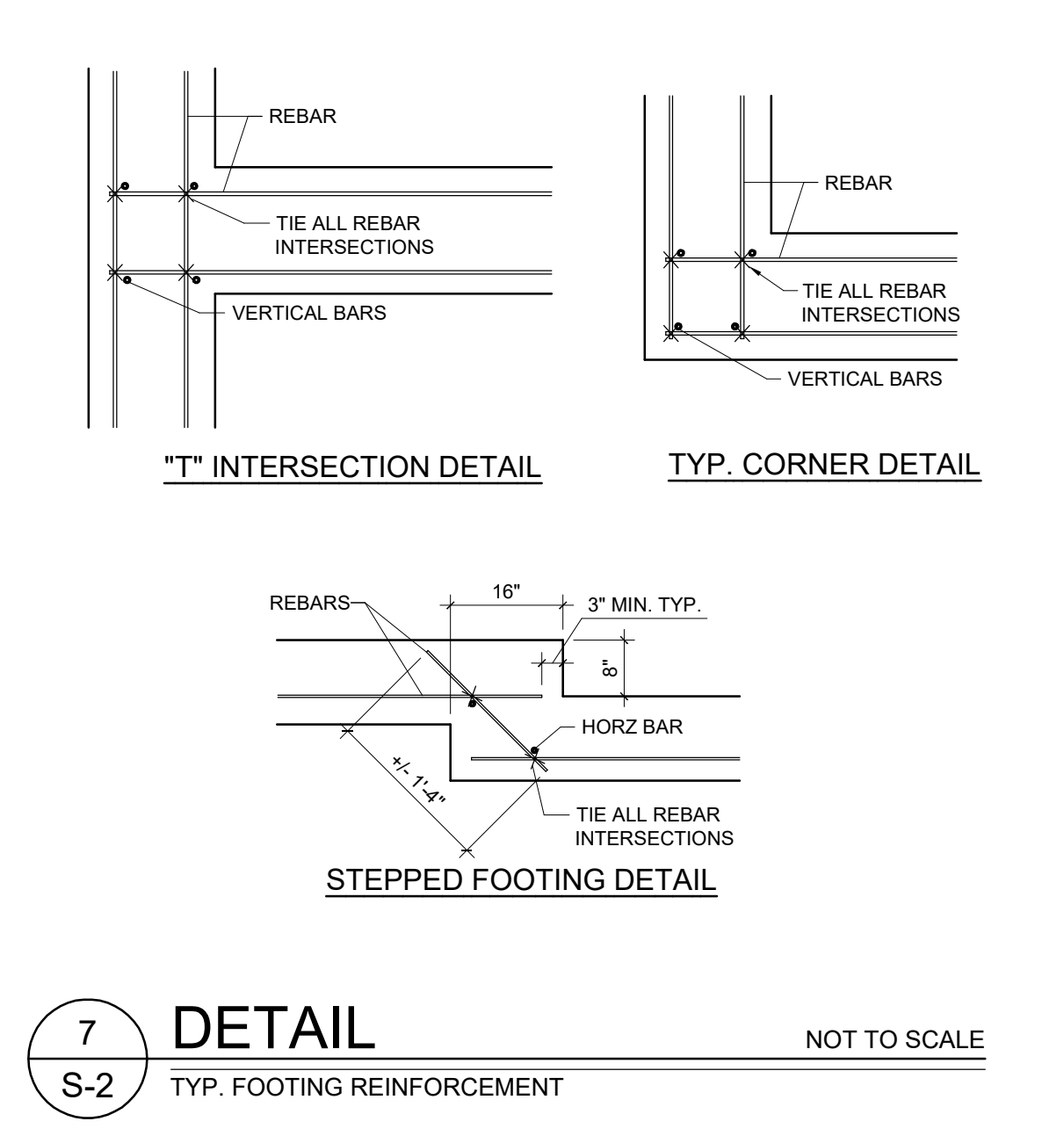
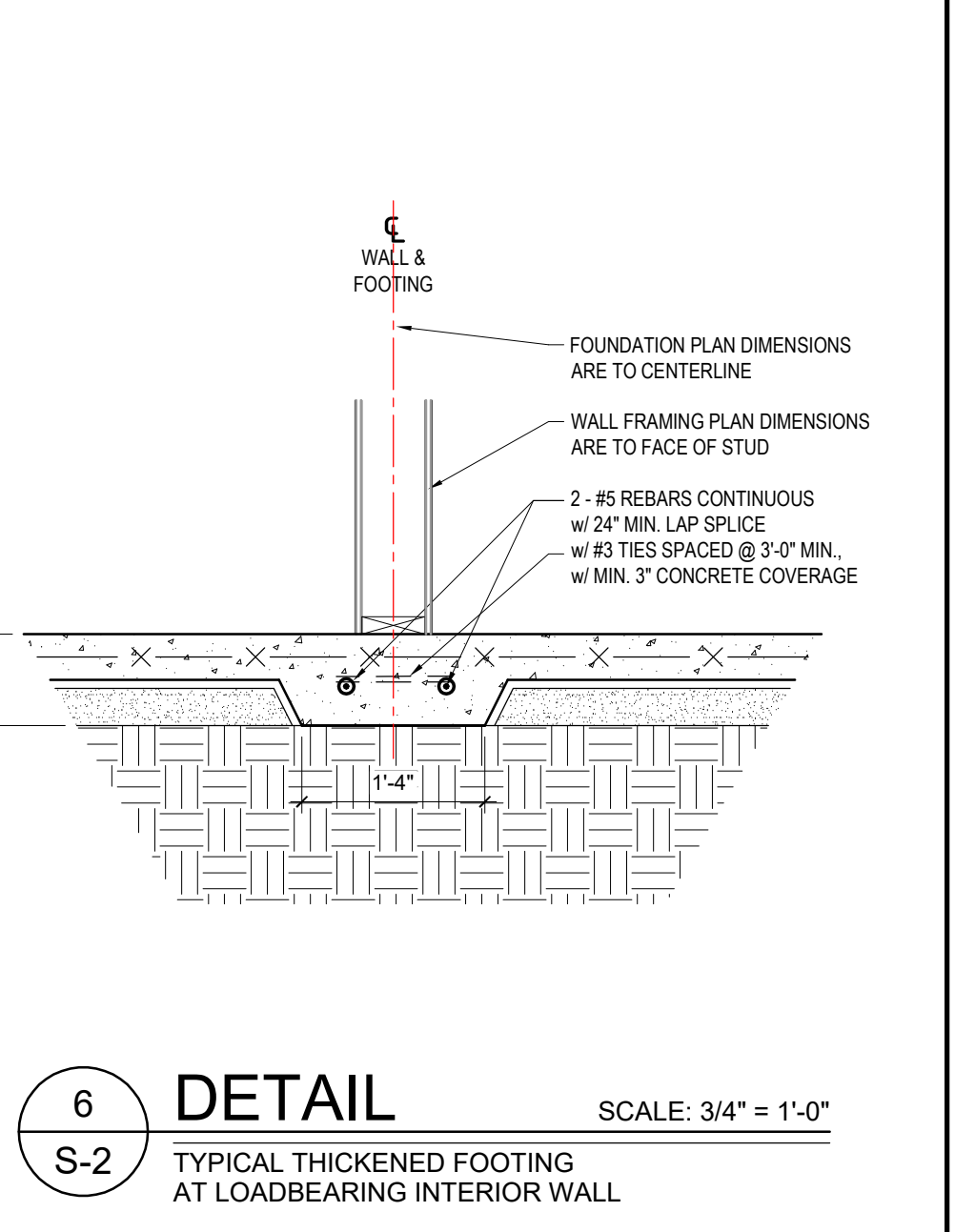
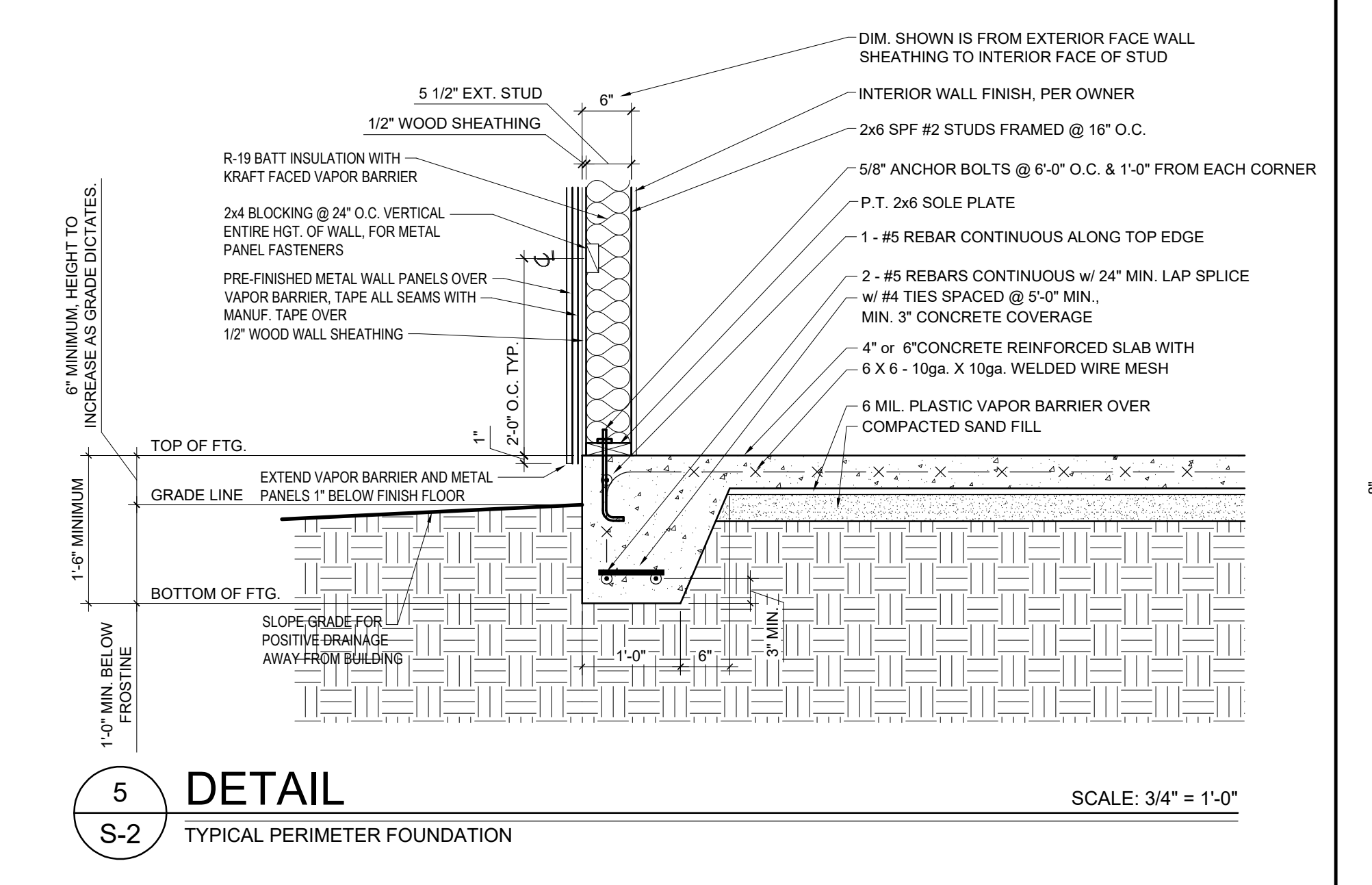
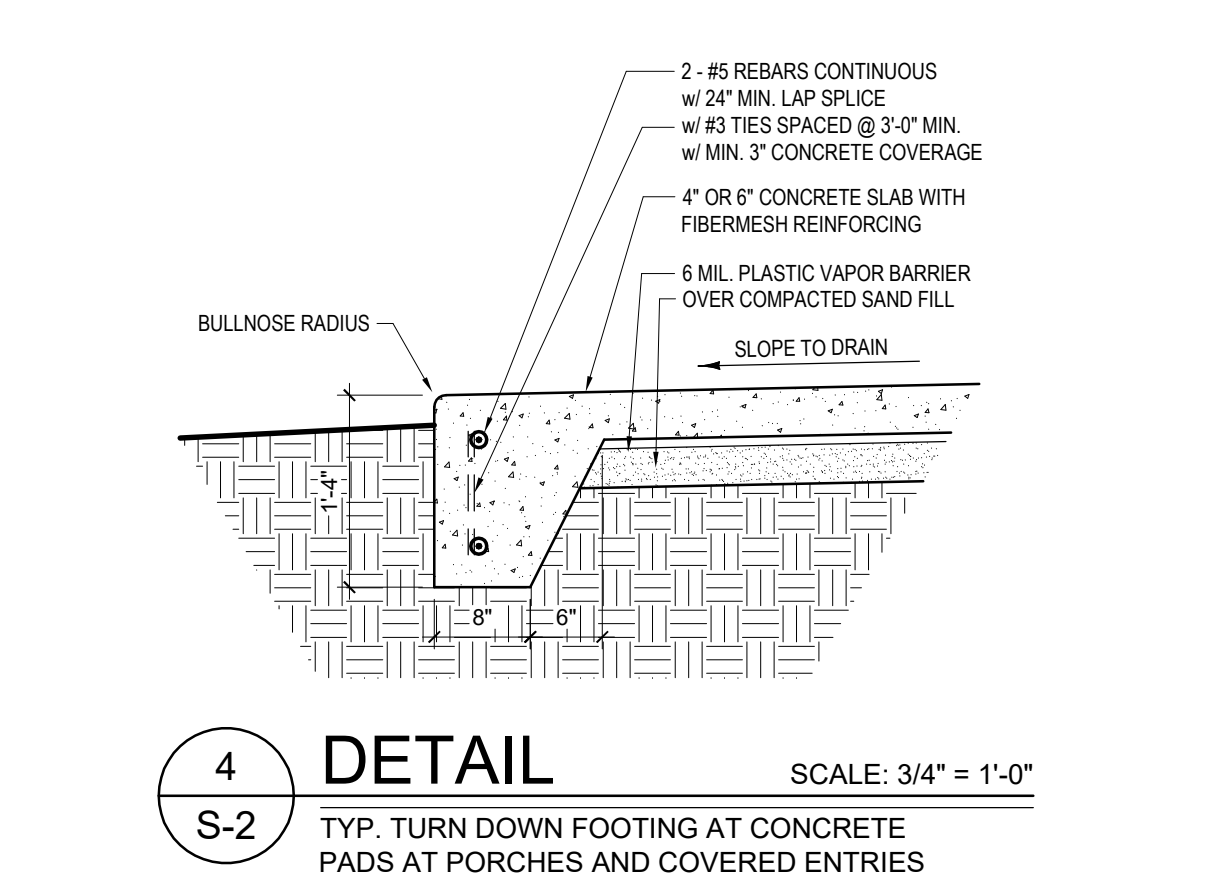
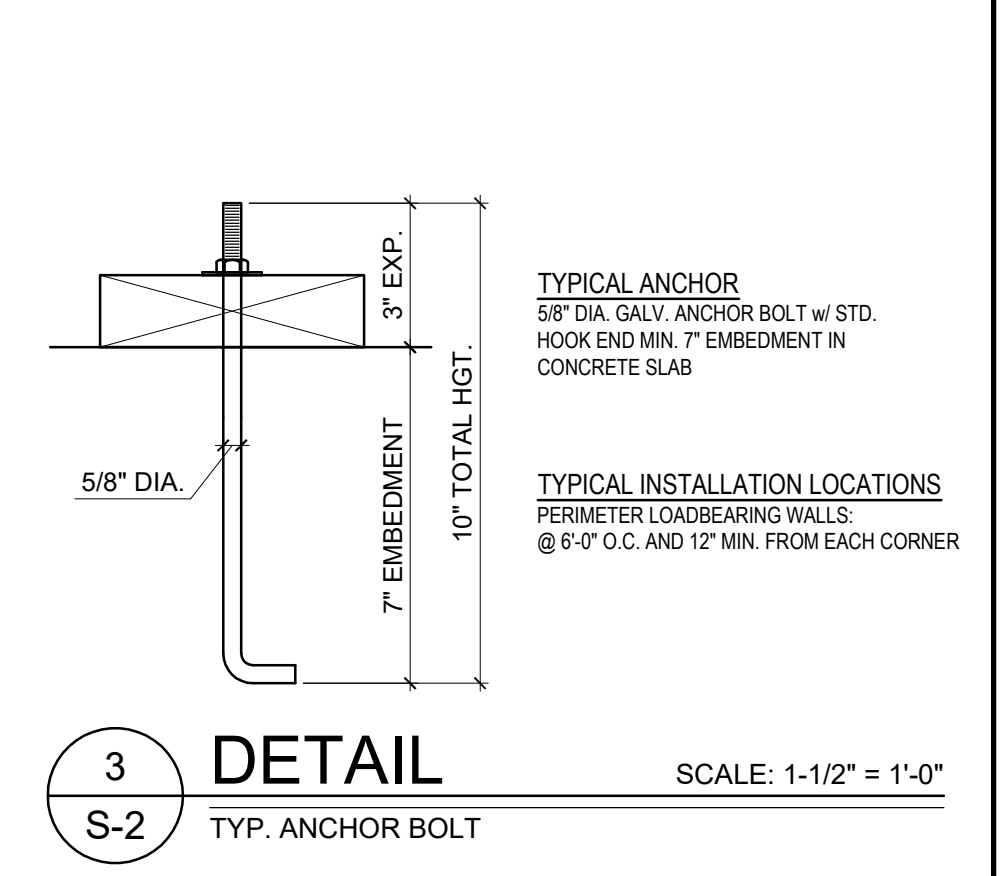
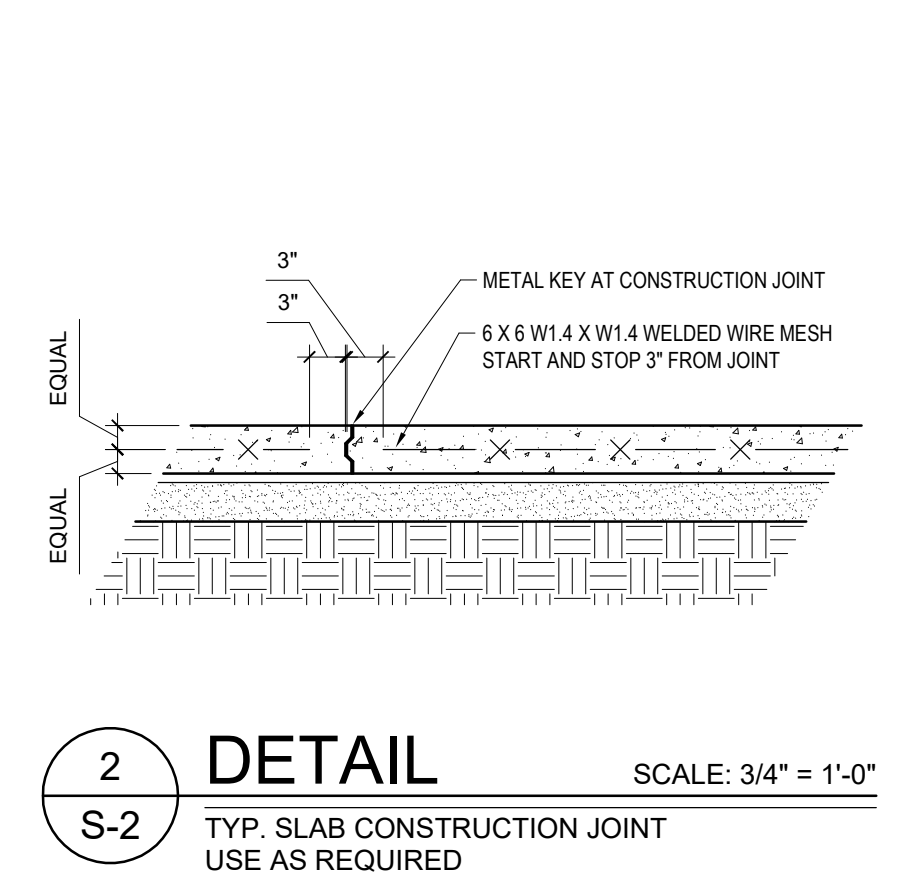
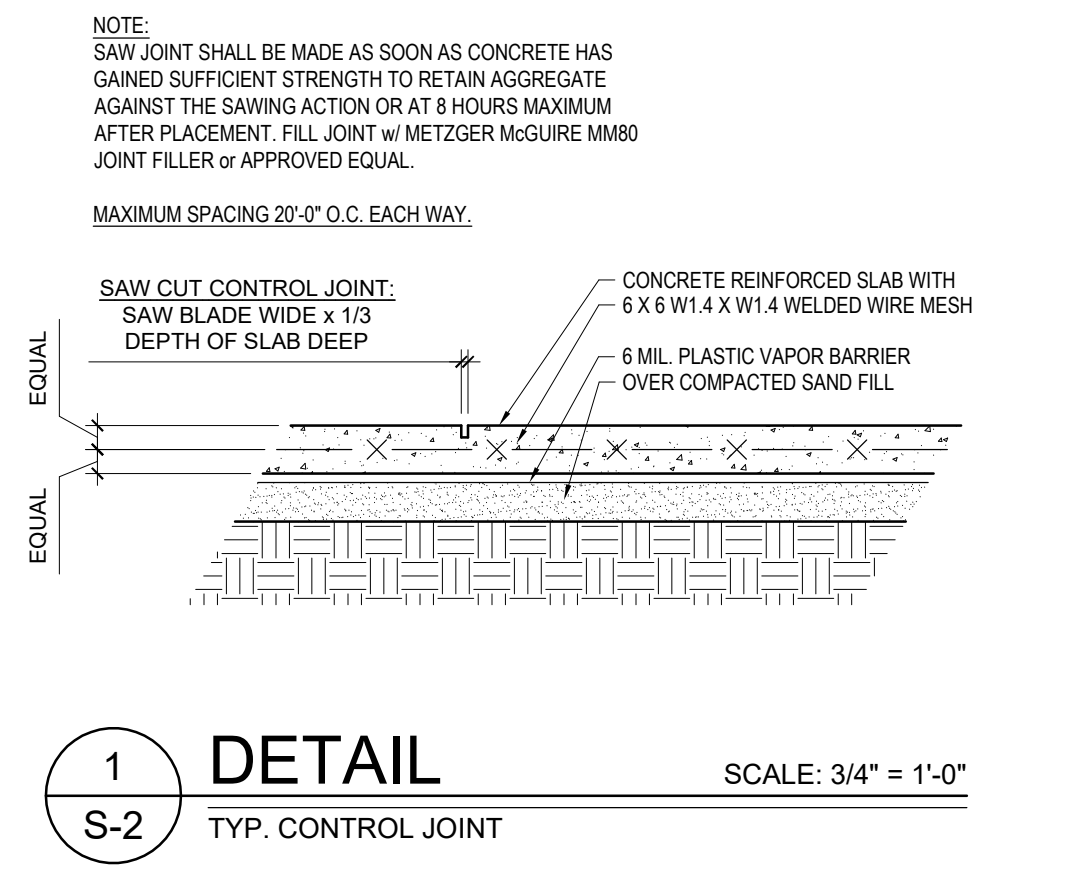


Rev.	Date:	Description:

Rev.	Date:	Description:

Title Sheet: **FOUNDATION PLAN**  
Project: Structural plans for Detached Garage for:  
**Donald Ray Glover**  
155 Addie Webb Lane Dunn, NC 28334

Drawn by: M. Morgan  
Issue Date: 1-22-2021  
Project Number:  
Sheet: **S-1**



## STRUCTURAL NOTES

### FOUNDATIONS

- ALLOWABLE DESIGN SOIL BEARING PRESSURE OF 1500 PSF ASSUMED SHALL BE VERIFIED IN THE FIELD BEFORE START OF CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
- FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE ENGINEER IN ORDER TO REACH FIRM SOIL.
- COMPACT ALL FILL UNDER BUILDING TO 98 PERCENT MAXIMUM DENSITY AS DETERMINED BY ASTM D998. PLACE IN LAYERS 8\"/>

### STRUCTURAL MASONRY

- MASONRY WALLS, FOUNDATION WALLS, AND OTHER MASONRY SO DESIGNATED ON THE DRAWINGS ARE CONSIDERED HERE TO BE STRUCTURAL MASONRY.
- COMPRESSIVE STRENGTH OF MASONRY UNITS:  
CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, TYPE II AND BE MADE WITH LIGHTWEIGHT AGGREGATE.  
SOLID CLAY UNITS \_\_\_\_\_ 8,000 PSI  
CONCRETE UNITS \_\_\_\_\_ 2,000 PSI ON NET AREA
- MORTAR - TYPE S ASTM C 270, AGGREGATE FOR MORTAR SHALL COMPLY WITH ASTM C 144.
- MORTAR FOR REINFORCED MASONRY - TYPE S ASTM C270.
- GROUT FOR REINFORCED MASONRY: 9\"/>

### CONCRETE

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

### STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:  
STRUCTURAL TUBE SHAPES, PLATES AND BARS: ASTM A36.  
\"/>

### SOLID SAWN WOOD FRAMING

- UNLESS NOTED ALL WOOD BEAMS, GIRDERS, SILLS, HEADERS, & JOISTS ARE TO BE #2 SOUTHERN YELLOW PINE, KILN DRIED.
- ALL WOOD IN CONTACT W/ CONCRETE OR MASONRY, TO BE 40 WOLVANIZED, OR SEPERATED BY METAL FLASHING.
- ALL WOOD POSTS TO BE .60 WOLVANIZED.
- ALL WOOD EXPOSED TO THE EXTERIOR EXCEPT TRIM TO BE 40 WOLVANIZED.
- ALL WOOD DECKING TO BE 40 WOLVANIZED - REDRIED - SYP UNLESS NOTED OTHERWISE.
- EXTERIOR LOADBEARING WALLS FRAMED FROM 2x4 WOOD STUDS SYP #2 @ 16\"/>

### METAL ROOF TIE OPTIONS

ROOF RAFTERS, REPETITIVE MEMBERS:  
1 - SIMPSON H16 HURRICANE TIE EACH RAFTER EACH END FASTENED w/ SIMPSON 10d x1-1/2\"/>

ROOF HIP & VALLEY MEMBERS:  
1 - SIMPSON H10 HURRICANE TIE EACH MEMBER EACH END FASTENED w/ SIMPSON 10d x1-1/2\"/>

### ENGINEERED WOOD FRAMING

- ALL ENGINEERED WOOD LVL'S SPECIFIED ARE TO GEORGIA PACIFIC BRAND RATED AT 2.0E OR EQUAL.
- ALL ASPECTS OF ENGINEERED WOOD INSTALLATION SHALL BE DONE STRICTLY ACCORDING TO THE MANUFACTURERS SPECIFICATIONS AND INSTALLATION INSTRUCTIONS. IT IS THE RESPONSIBILITY OF THE BUILDER TO BECOME AWARE AND WELL VERSED OF SAME.

PLATE	3/16\"/>
WELD	3/16\"/>

**Donald Ray Glover**  
Mobile 910.984.4823  
155 Addie Webb Lane Dunn, NC 28534

**BARTLETT**  
ENGINEERING & SURVEYING, PC

Title Sheet: **FOUNDATION DETAILS**

Project: Structural plans for Detached Garage for:  
**Donald Ray Glover**  
155 Addie Webb Lane Dunn, NC 28534

Rev: \_\_\_\_\_ Date: \_\_\_\_\_

Description:

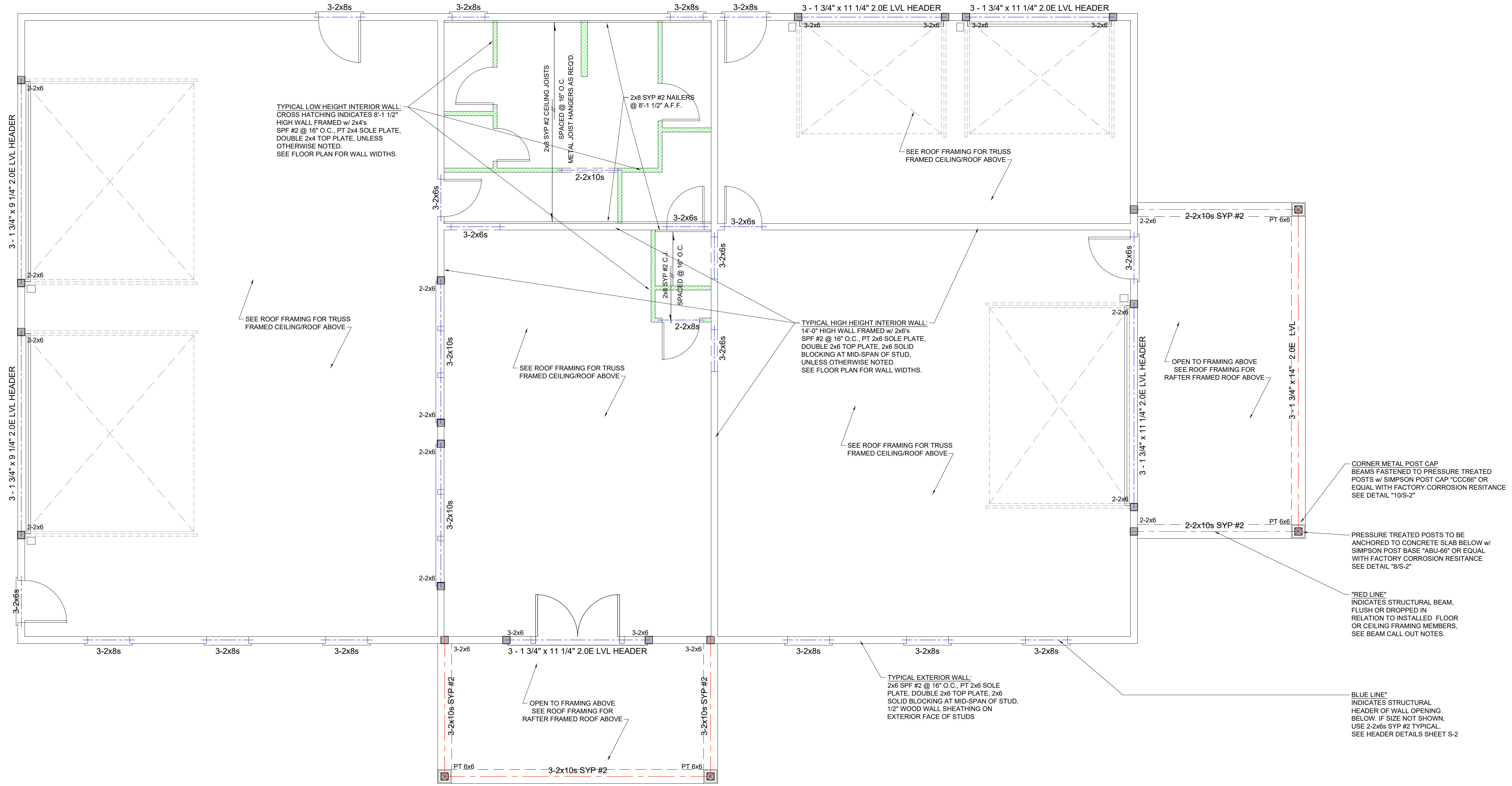
Drawn by: M. Morgan

Issue Date: 1-22-2021

Project Number:

Sheet: **S-2**

SEE SHEET "S-2" FOR TYPICAL FOUNDATION & FRAMING DETAILS AND GENERAL NOTES

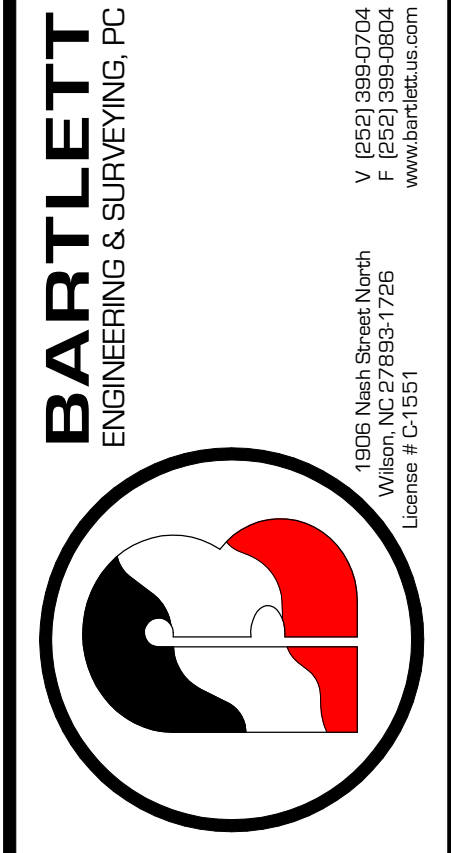


1 WALL FRAMING PLAN  
S-3

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

Owner:

**Donald Ray Glover**  
Mobile 910.984.4823  
155 Addie Webb Lane Dunn, NC 28334



Rev:	Date:	Description:

Title Sheet: **WALL FRAMING PLAN**  
Structural plans for Detached Garage for:  
**Donald Ray Glover**  
155 Addie Webb Lane Dunn, NC 28334

Drawn by: M. Morgan  
Issue Date: 1-22-2021  
Project Number:  
Sheet: **S-3**

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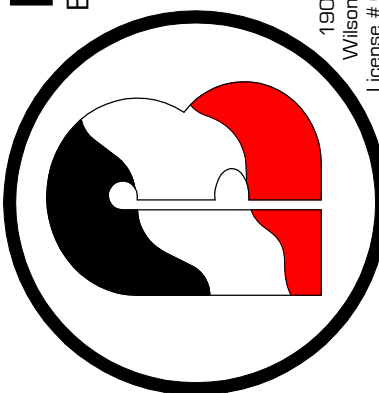
03/29/2021



SEE SHEET "S-2" FOR TYPICAL FOUNDATION & FRAMING DETAILS AND GENERAL NOTES

Owner:  
**Donald Ray Glover**  
 Mobile 910.984-4823  
 155 Addie Webb Lane Dunn, NC 28334

**BARTLETT**  
 ENGINEERING & SURVEYING, P.C.



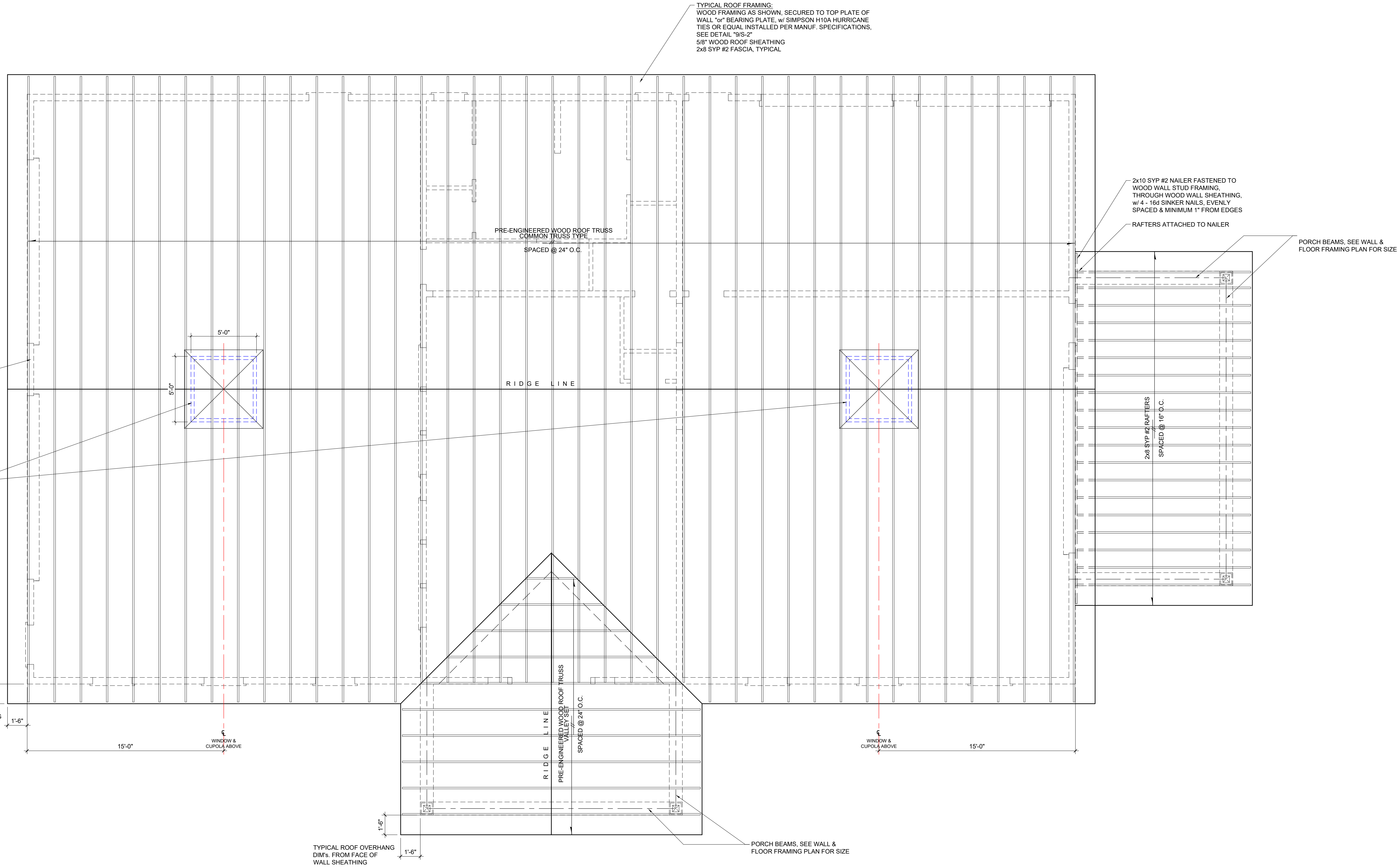
V (252) 399-0704  
 F (252) 399-0604  
 1506 Nash Street North  
 Wilson, NC 27153-1726  
 License # C13321  
 www.bartlettus.com

**PROFESSIONAL SEAL**  
 20106  
 ROBERT S. BARTLETT  
 1-22-2021

Rev.	Date	Description

Title Sheet: **ROOF FRAMING PLAN**  
 Project: Structural plans for Detached Garage for:  
**Donald Ray Glover**  
 155 Addie Webb Lane Dunn, NC 28334

Drawn by: M. Morgan  
 Issue Date: 1-22-2021  
 Project Number:  
 Sheet: **S-4**



**1** ROOF FRAMING PLAN  
**S-4**

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