

DAY RESIDENCE

PROJECT #
DRB2101-0155
DATE
06/14/2022
DRAWN/DESIGNED BY
NW
CHECKED BY
DRB
SCALE
1/4" = 1'-0"

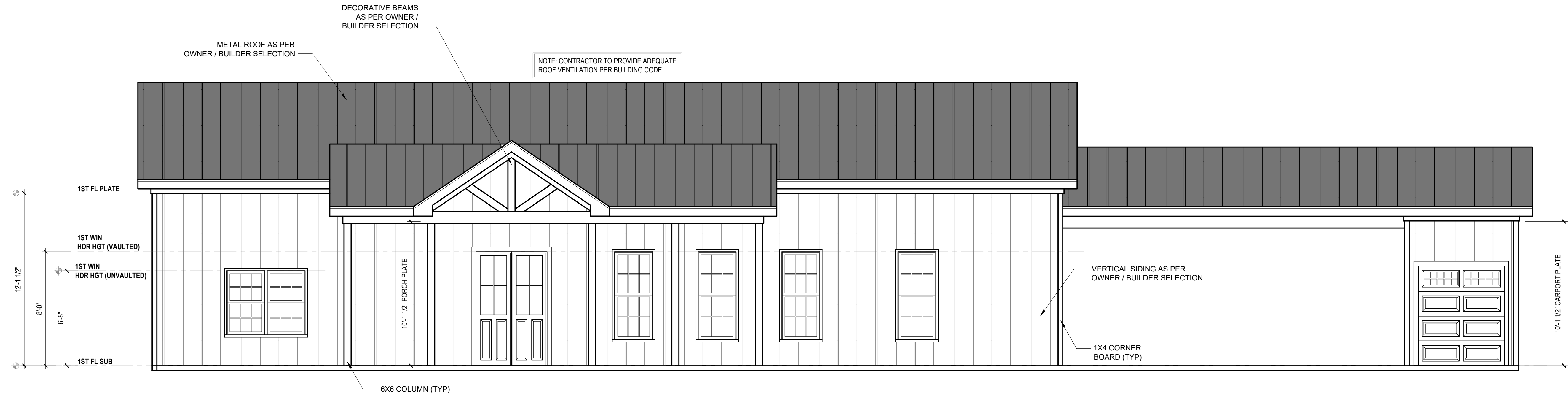
WEBSITE
drbhomedesign.com

PROJECT NAME
DAY RESIDENCE

DRB DESIGN
drbdesign@drbhomedesign.com 919.631.5979
250 Shipwash Dr Suite 105 Garner, NC 27529

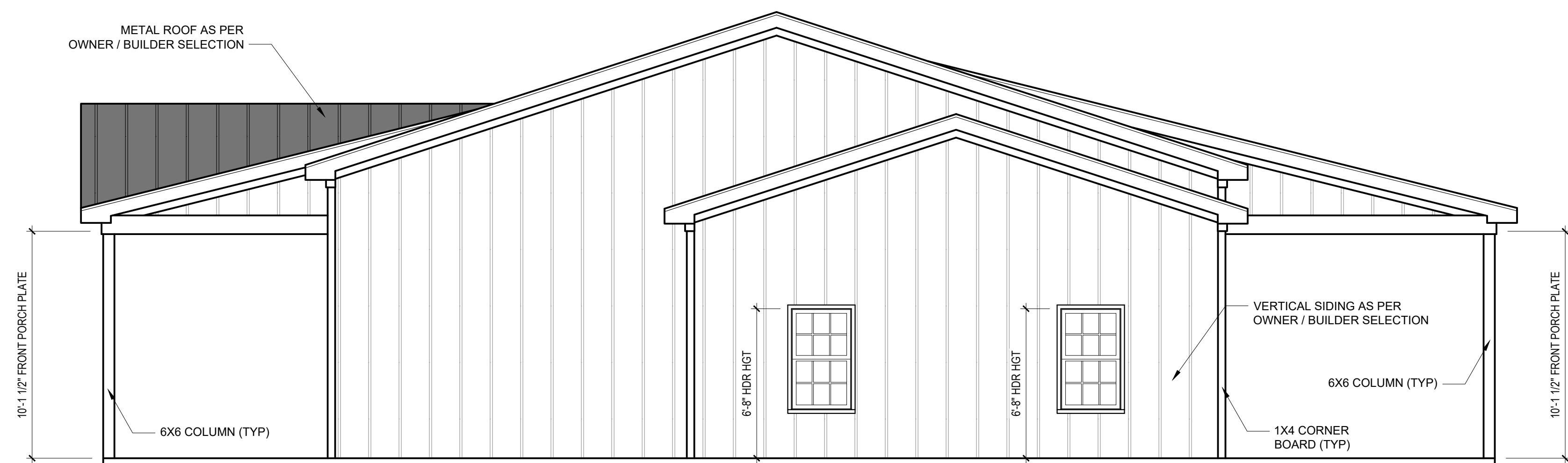
CLIENT NAME
Jonathan Day
2405 Kinfolk Rd
Willow Spring, NC, 27592
jday@homlinco.com
(919)422-0449

SHEET NAME
ELEVATIONS
SHEET #
A1
of 7



FRONT ELEVATION
1/4" = 1'-0"

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RIGHT ELEVATION
1/4" = 1'-0"

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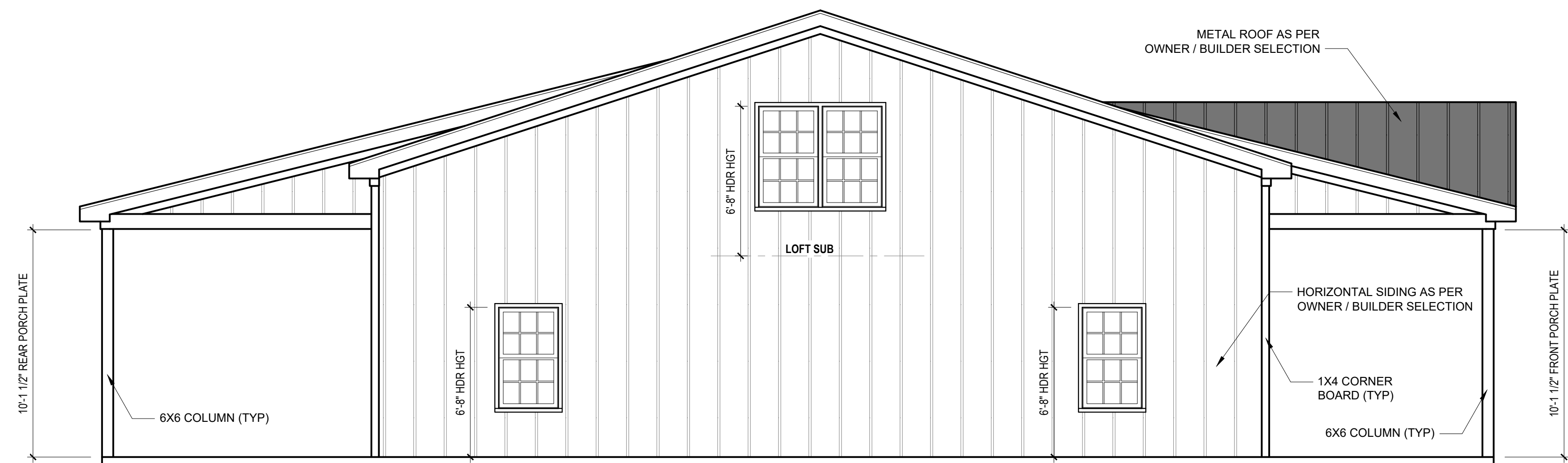
SHEET NAME
ELEVATIONS
SHEET #
A2
of 7



REAR ELEVATION

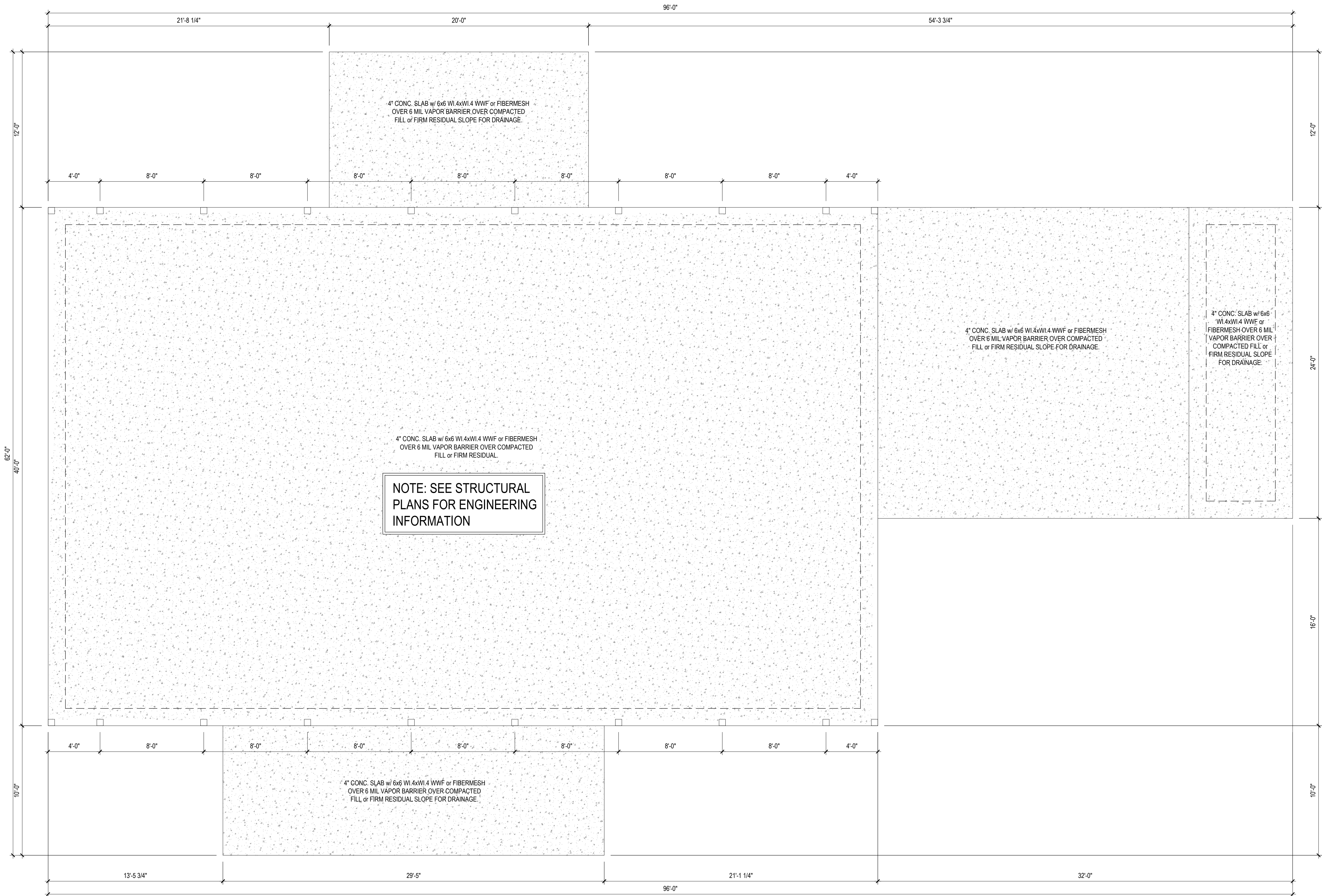
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LEFT ELEVATION

1/4" = 1'-0"



FOUNDATION PLAN

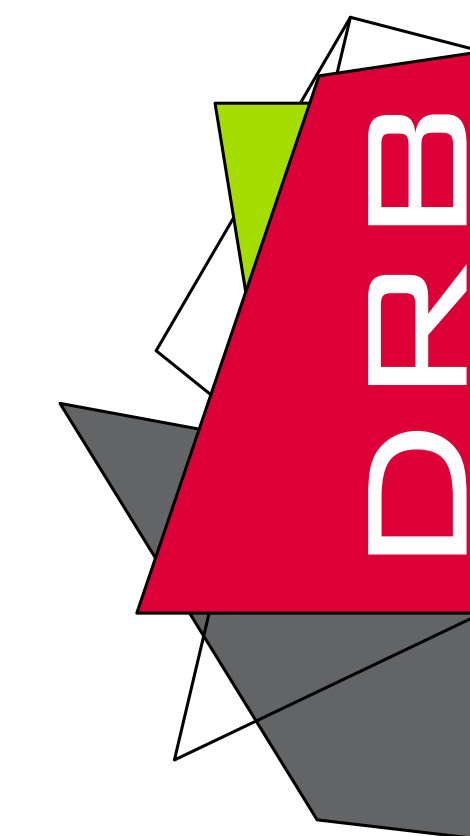
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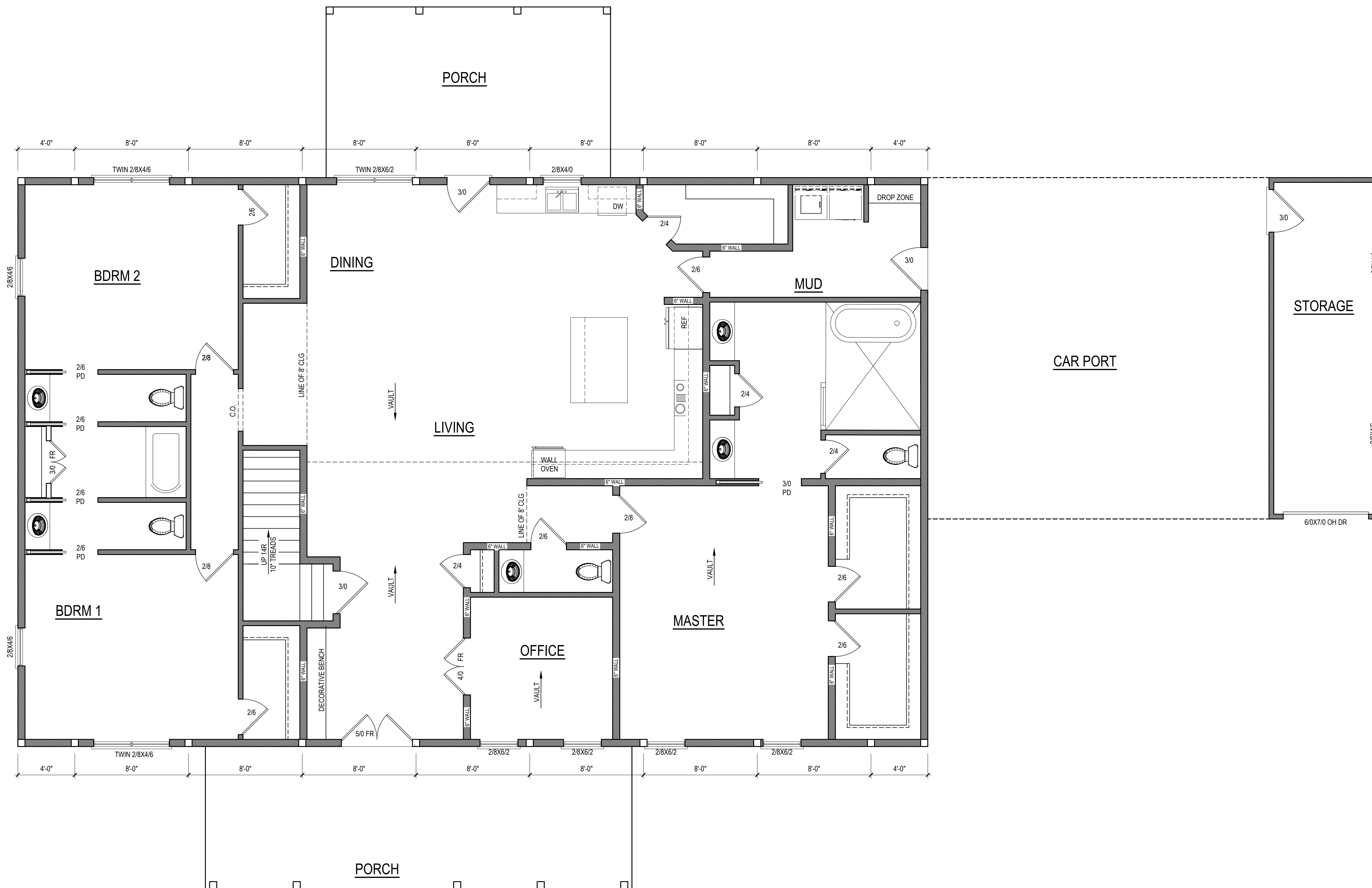


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SHEET NAME
FOUNDATION

SHEET #
A3
of 7



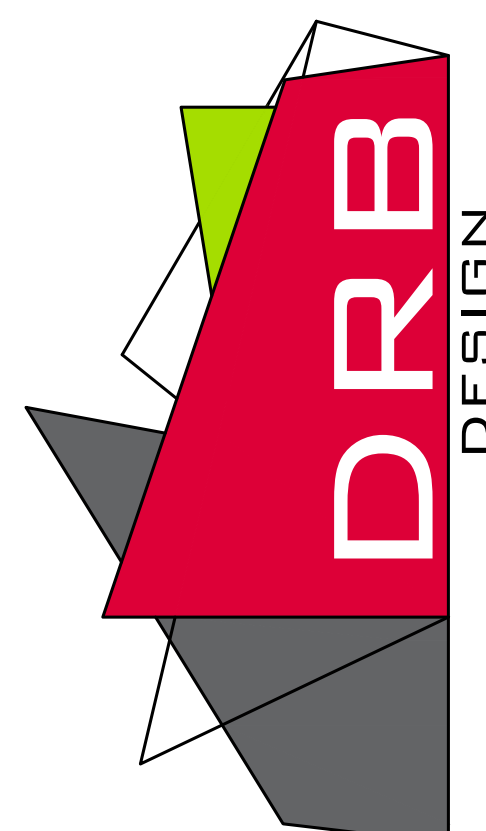
POST LAYOUT

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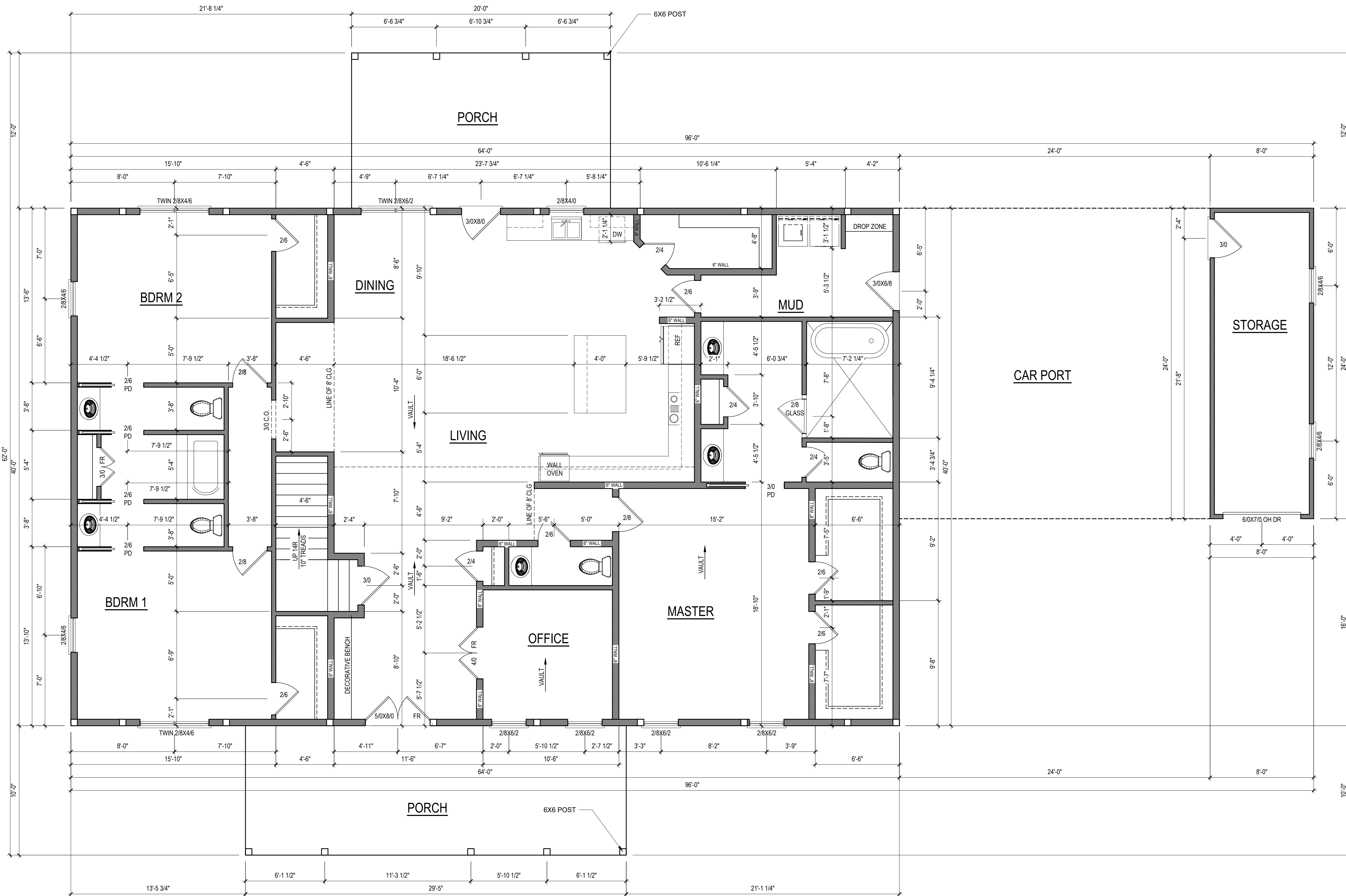
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SHEET NAME
1ST_FLOOR
SHEET #
A4
of 7



HEATED SQUARE FOOTAGE	
First Floor	2560
Second Floor	600
TOTAL HEATED	3160
UNHTD SQUARE FOOTAGE	
Garage	192
Front Porch	300
Rear Porch	240
Carport	576
TOTAL UNHEATED	1308
TOTAL SQ FT	4468

- NOTE: ALL EXTERIOR WALLS ARE NOMINAL 6" UNO
- NOTE: ALL INTERIOR WALLS ARE NOMINAL 4" UNO
- NOTE: ALL ANGLED WALLS ARE 45° UNO
- NOTE: ALL DIMENSIONS ARE FRAME TO FRAME
- NOTE: ALL INTERIOR DOORS ARE 6/8 HEIGHT

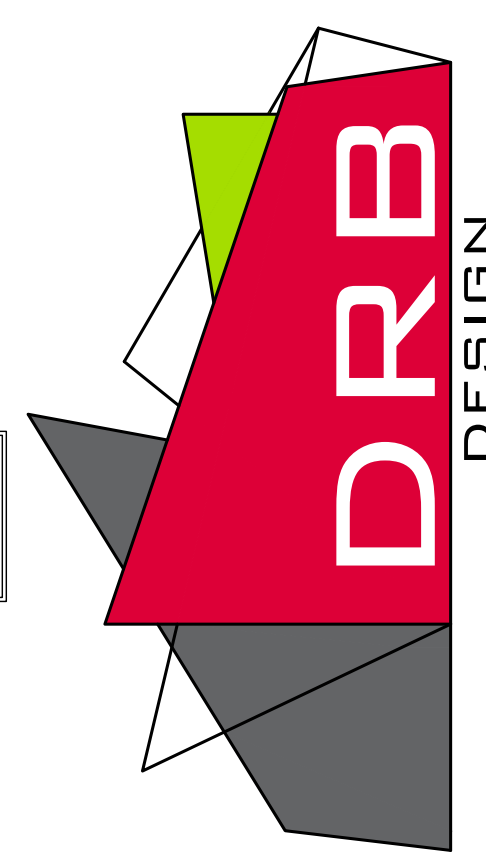
FIRST FLOOR PLAN
1/4" = 1'-0" CLG HGT. = 8'-0" UNO

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PROJECT: DRB2101-0155
DATE: 06/14/2022
DRAWN/DESIGNED BY: NW
CHECKED BY: DRB
SCALE: 1/4" = 1'-0"

PROJECT NAME: DRB HOME DESIGN
WWW.DRBHOMEDSIGN.COM

PROJECT NAME: DAY RESIDENCE



PROJECT NAME: DRB DESIGN
EMAIL: drbdesign@drbhomedesign.com 919.631-5979
ADDRESS: 250 Shipwash Dr Suite 105 Garner, NC 27529

CLIENT NAME: Jonathan Day
2405 Kinfolk Rd
Willow Spring, NC, 27592
EMAIL: jday@homincos.com
PHONE: (919)422-0449

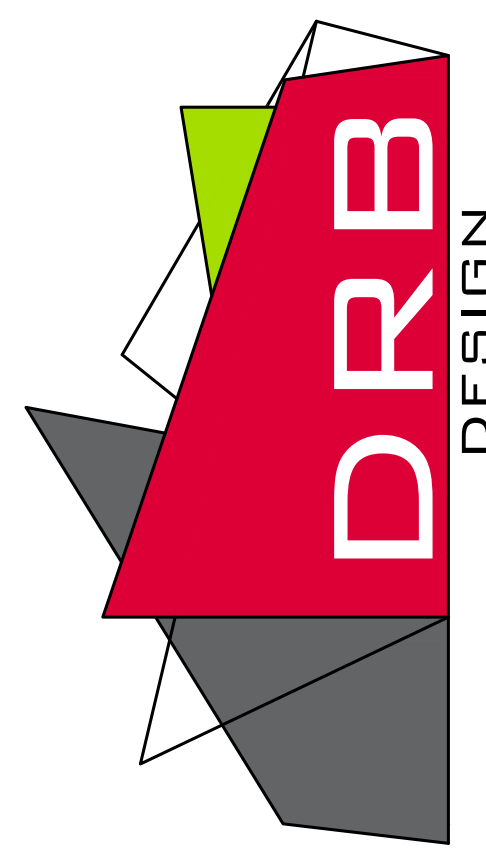
SHEET NAME: 1ST_FLOOR
SHEET #: A5 of 7

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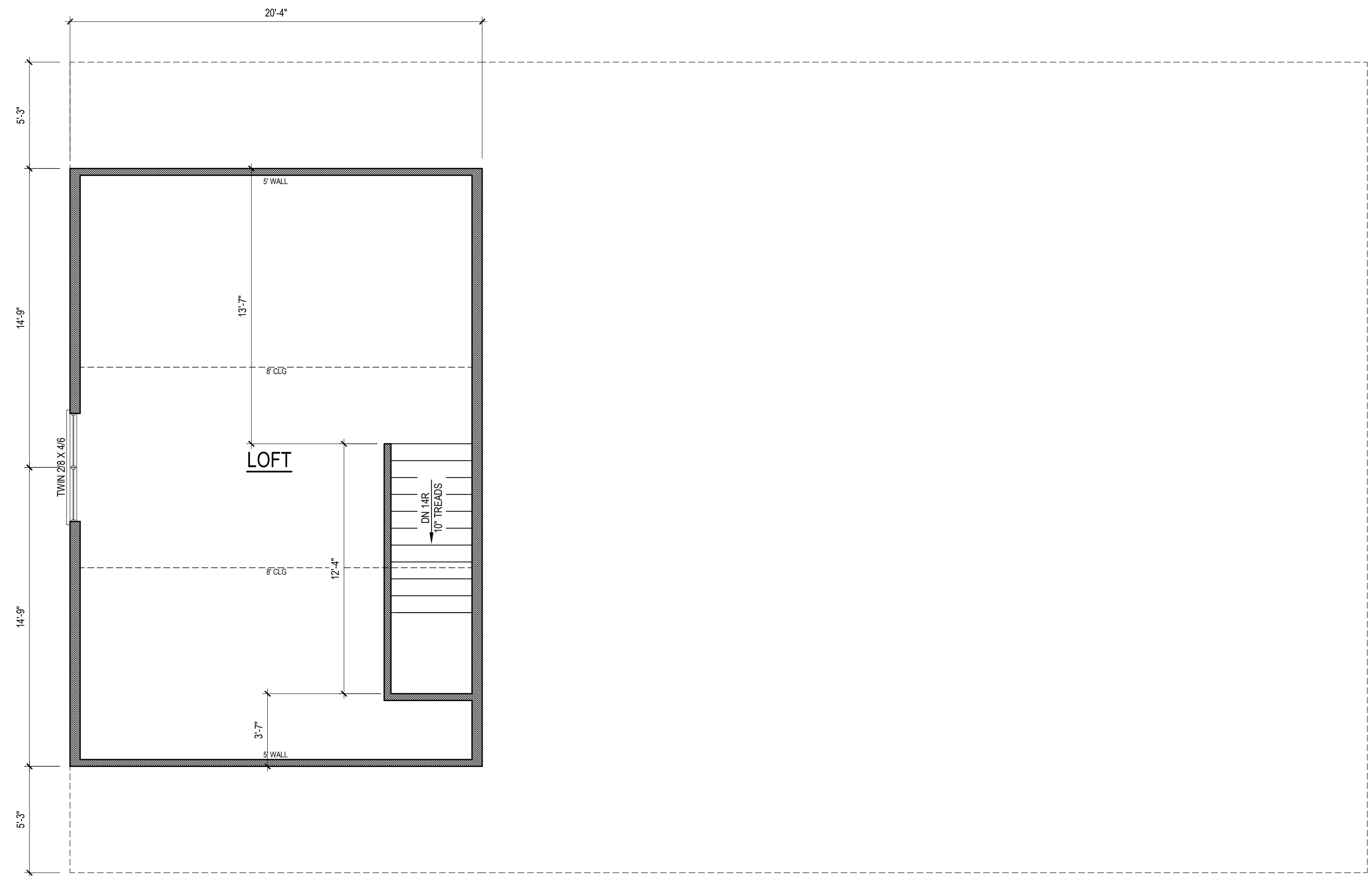
PROJECT NAME
DAY
RESIDENCE

drbdesign@drbhomedesign.com 919.631.5979
250 Shipwash Dr Suite 105 Garner, NC 27529



CLIENT NAME
Jonathan Day
2405 Kinfolk Rd
Willow Spring, NC, 27592
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(919) 422-0449

SHEET NAME
2ND_FLOOR
SHEET #
A6
of 7



SECOND FLOOR PLAN
1/4" = 1'-0" CEILING HGT. = 8'-0"

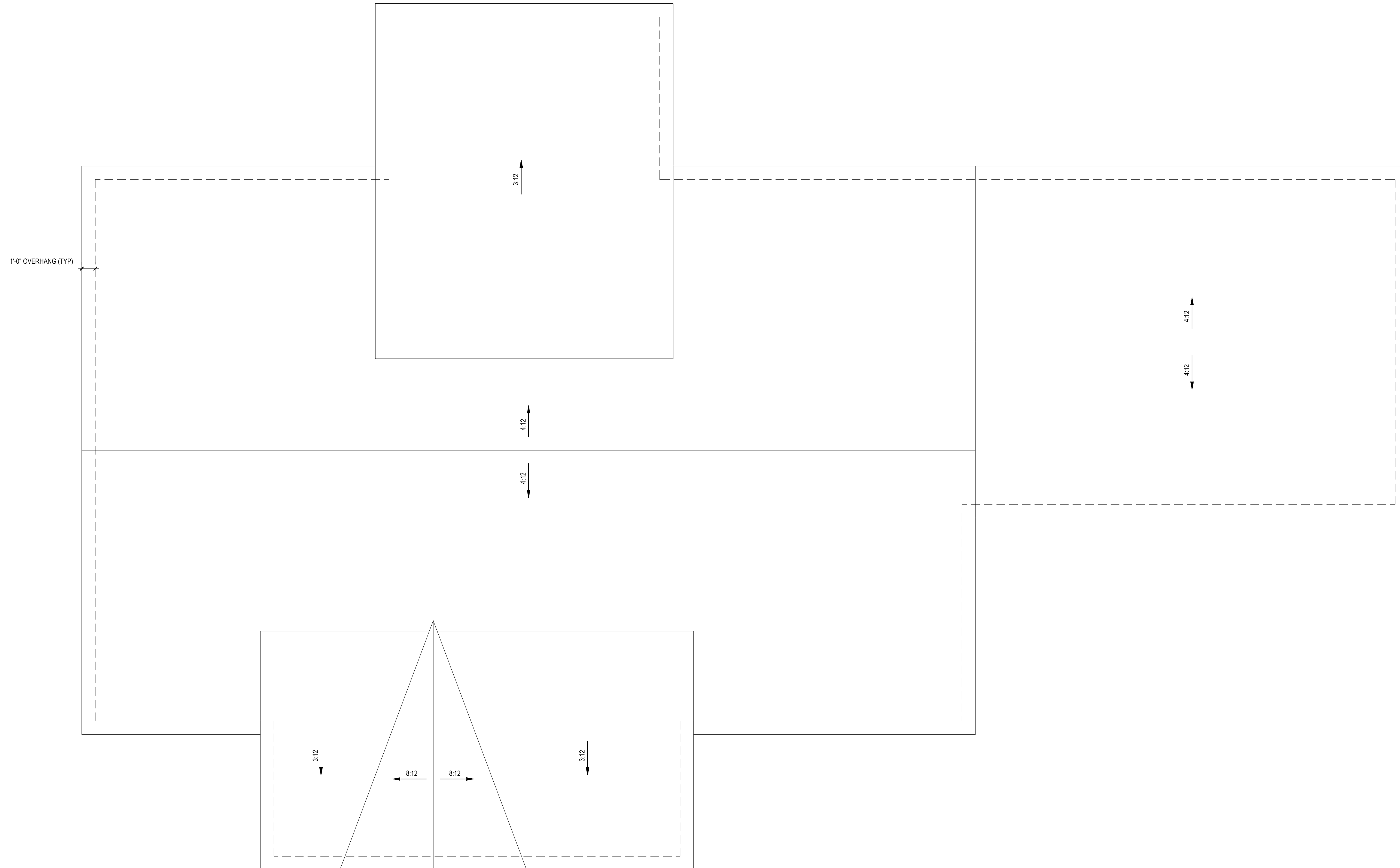
NOTE:
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ARE NOMINAL 6" UNO

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ALL INTERIOR WALLS
ARE NOMINAL 4" UNO

NOTE:
ALL ANGLED WALLS
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NOTE:
ALL DIMENSIONS ARE
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NOTE: ANY ROOF PITCH 4:12 OR LESS SHALL BE PROPERLY WATERPROOFED PER BLDG. CODE

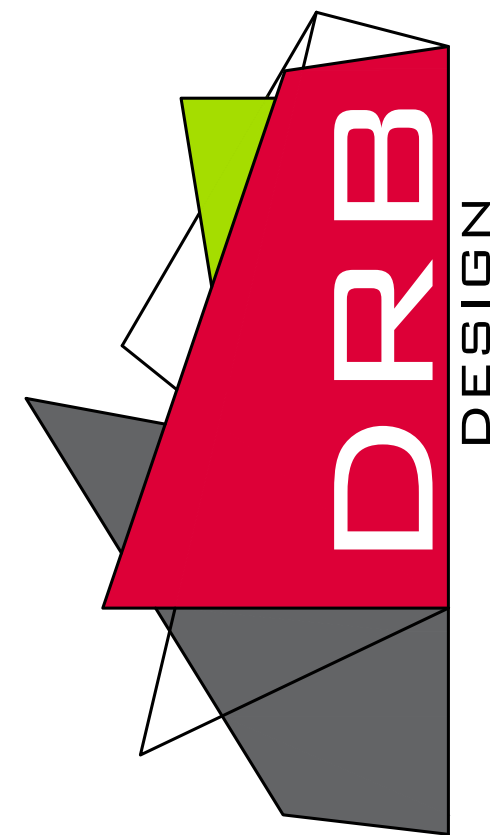
ROOF PLAN
1/4" = 1'-0"

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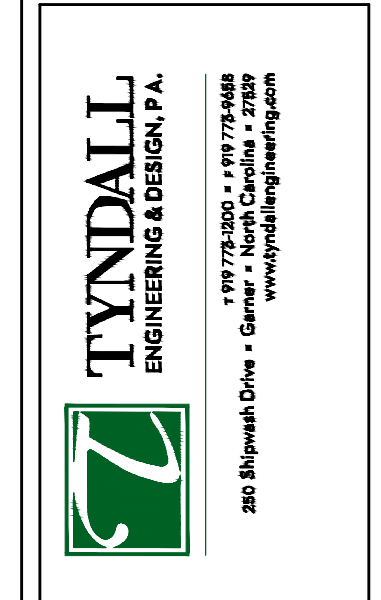


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SHEET NAME
ROOF
SHEET #
A7
of 7

*Engineers and designers do not include construction means, methods, techniques, sequences, procedures or safety precautions.
 Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.
 *Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



TYNDALL
 ENGINEERING & DESIGN P.A.
 1107 W. 17th St. • Cary, NC 27513
 919.778.7444 • www.tyndallengineering.com

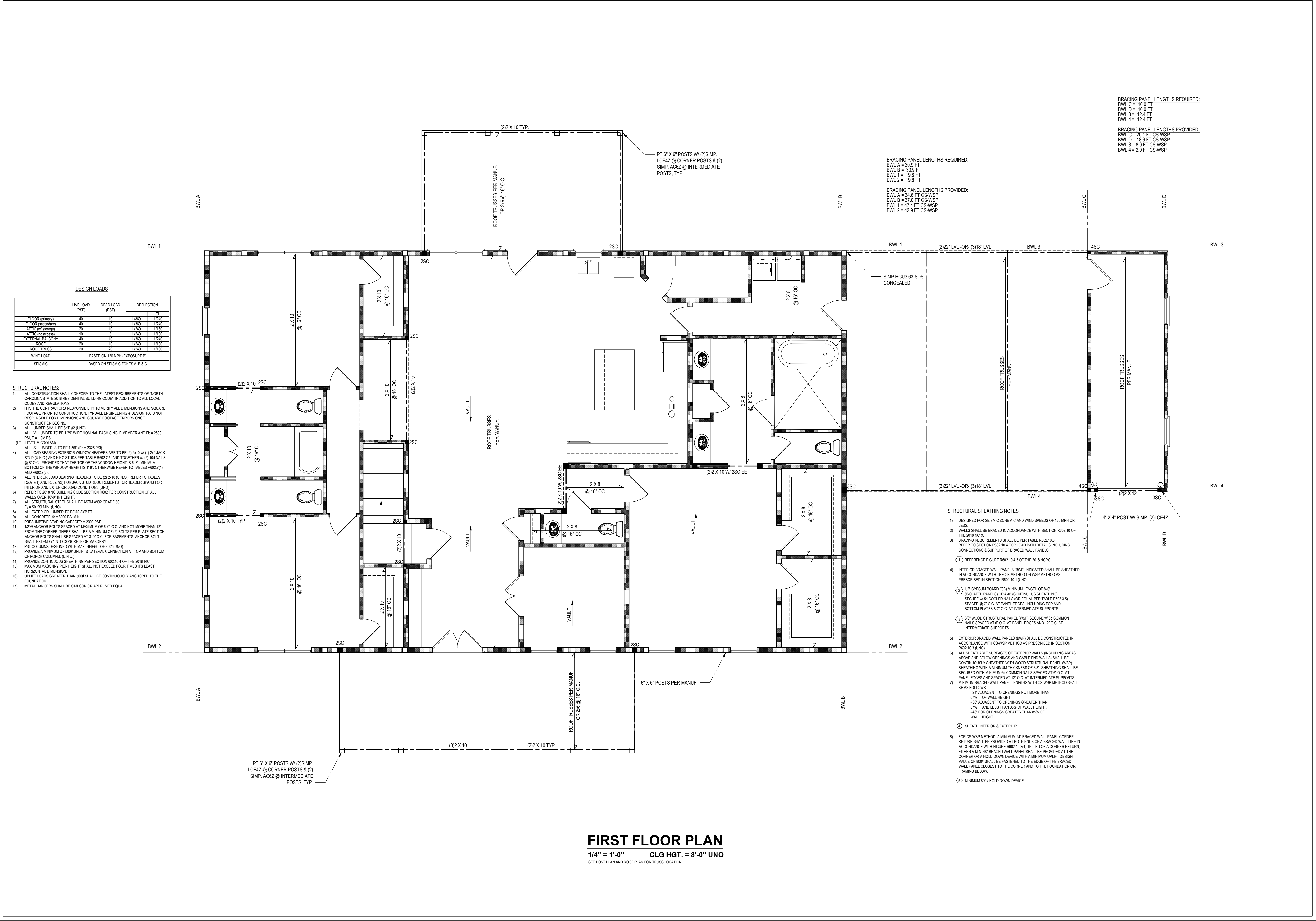
JONATHAN DAY
 ENGINEER
 DAY RESIDENCE

1ST FLOOR HEADER
2ND FLOOR FRAMING

Project #: DRB2201-0155
 Date: 6/30/22
 Engineered by: JBE
 DWG. Checked by: PAT
 Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

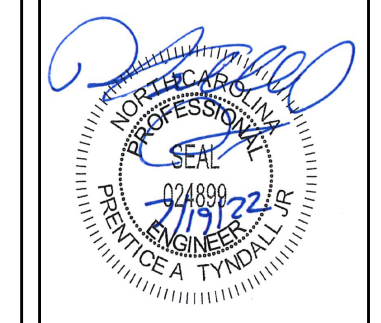
Sheet Number
S2
 2 of 6



FIRST FLOOR PLAN
 1/4" = 1'-0" CLG HGT. = 8'-0" UNO
 SEE TOP PLAN AND ROOF PLAN FOR TRUSS LOCATION

FILENAME: Z:\WPB\08_2022\082201-0155_JONATHAN_DAY\082201-0155_LEWS_SWED.BY: AUK LEWS LAST PLOT DATE: 7/19/2022 8:11 AM

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 1107724310 • 410 778 4444
 200 Blytheville Drive • Garner • 27829
 www.tyndallengineering.com

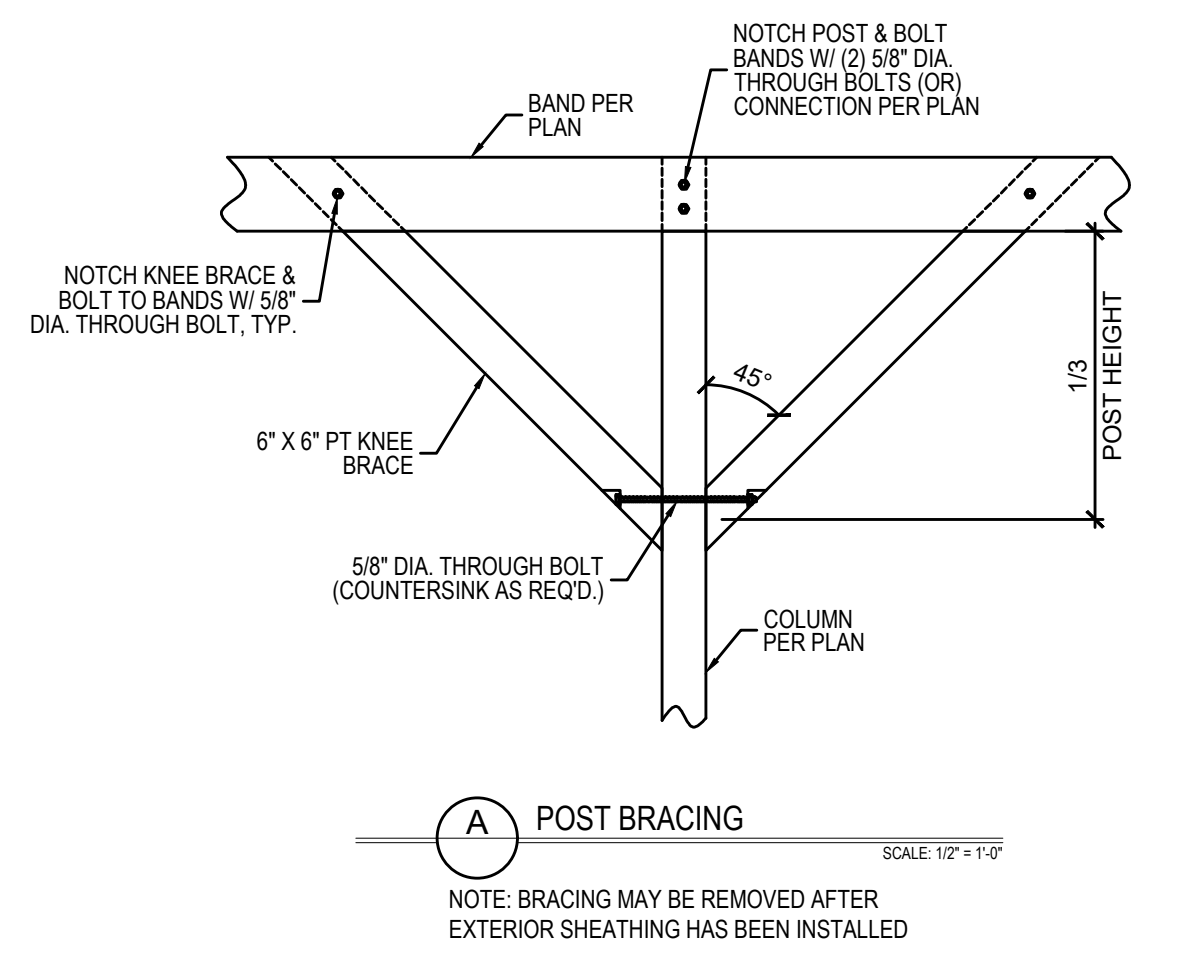
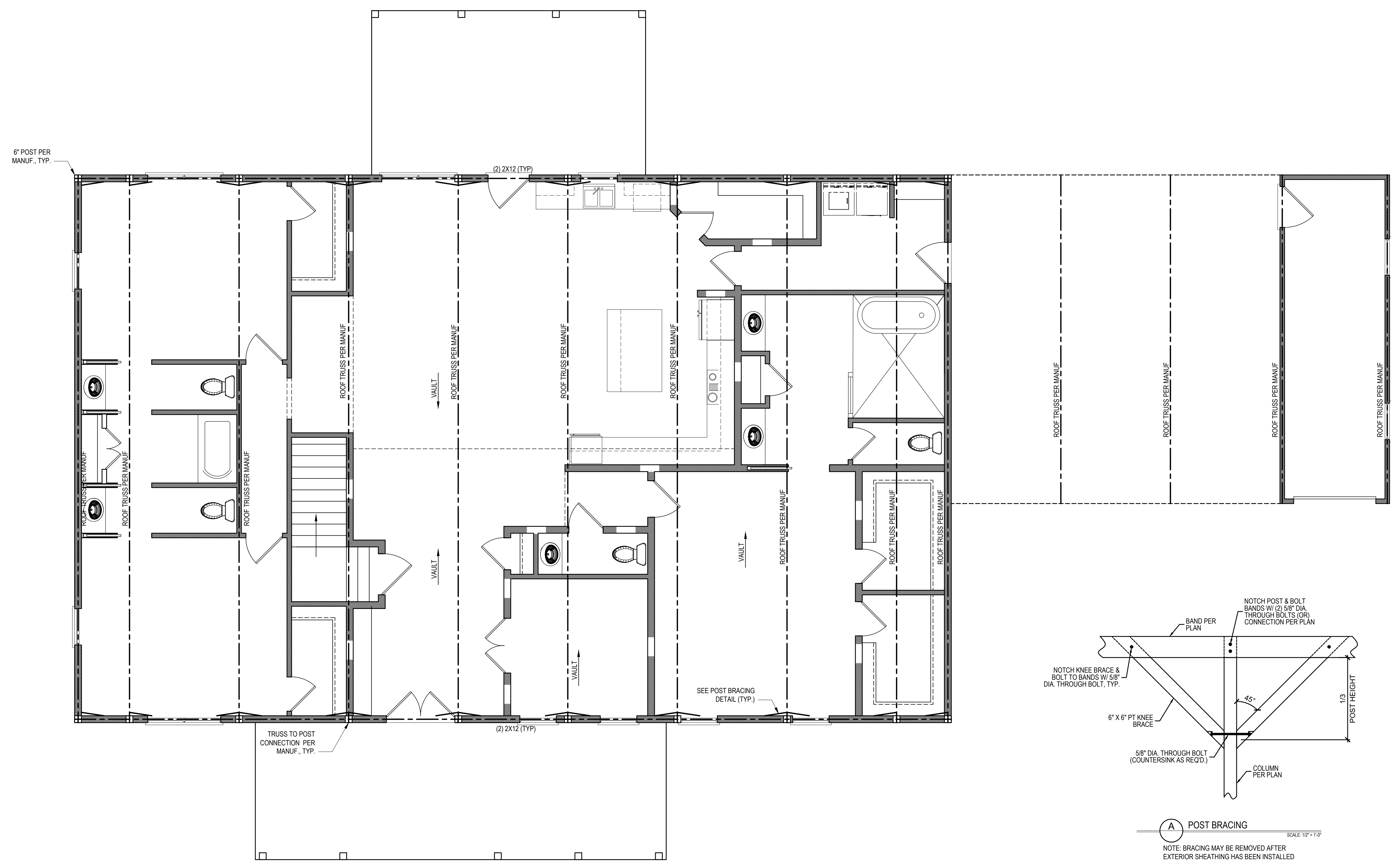
CLIENT: **JONATHAN DAY**
 PROJECT: **DAY RESIDENCE**

TRUSS AND POST LAYOUT

Project #: DRB2201-0155
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 Engineered by: JBE
 DWG. Checked By: PAT
 Scale: SEE PLAN

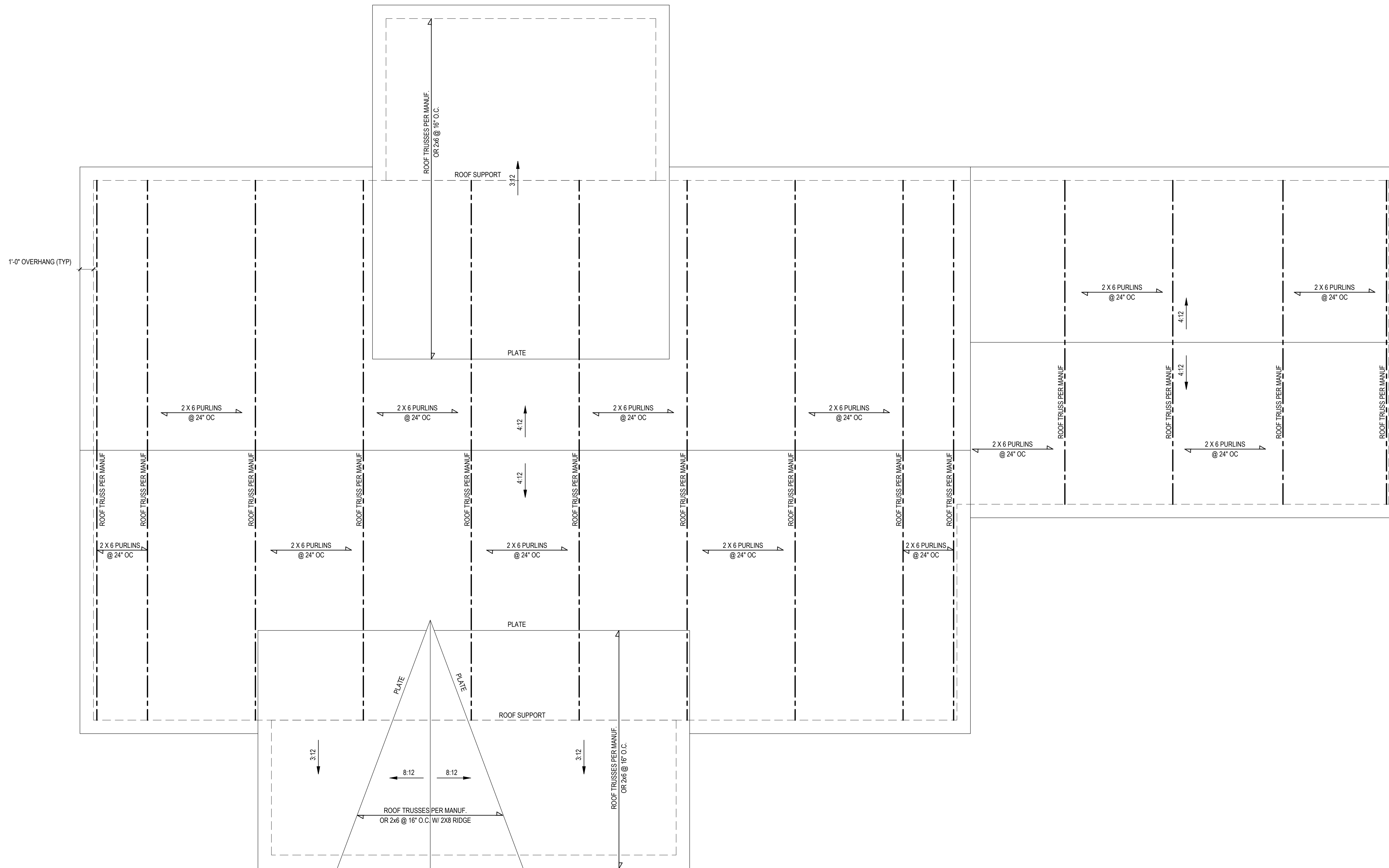
REVISIONS		
No.	Date	Remarks

Sheet Number
S4
 4 of 6



POST LAYOUT
 1/4" = 1'-0"

FILENAME: Z:\PROJ\DRB_2022\DRB2201-0155_JONATHAN_DAY\DWG\FILES\DRB2201-0155_LEWIS_SWD.DWG BY: AUN LEWIS LAST PLOT DATE: 7/19/2022 8:12 AM



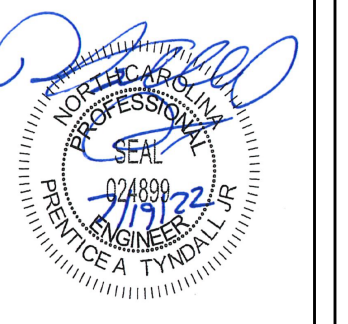
NOTE: ANY ROOF PITCH 4:12 OR LESS SHALL BE PROPERLY WATERPROOFED PER BLDG. CODE

ROOF PLAN

1/4" = 1'-0"

1'-0" OVERHANG (TYP)

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 280 Blytheworth Drive • Garner • North Carolina • 27828
 919.776.2600 • 919.776.4444
 www.tynndallengineering.com



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 PROJECT: DAY RESIDENCE

ROOF PLAN

Project #: DRB2201-0155
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 DWG. Checked By: PAT
 Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

Sheet Number
S5
 5 of 6

FILENAME: Z:\P08\08_2022\082201-0155_JONATHAN_DAY\082201-0155_JONATHAN_DAY\082201-0155_LEWIS_SWD.BY: AUN LEWIS LAST PLOT DATE: 7/19/2022 8:12 AM

STRUCTURAL NOTES

1) ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF 'NORTH CAROLINA STATE 2018 RESIDENTIAL BUILDING CODE', IN ADDITION TO ALL LOCAL CODES AND REGULATIONS.

2) DESIGN LOADS:

	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION	
			LL	TL
ALL FLOORS	40	10	L/360	L/240
ATTIC (w/ walk up stairs)	30	10	L/360	L/240
ATTIC (pull down access)	20	10	L/240	L/180
ATTIC (no access)	10	5	L/240	L/180
EXTERNAL BALCONY	40	10	L/360	L/240
ROOF	20	10	L/240	L/180
ROOF TRUSS	20	20	L/240	L/180
WIND LOAD	BASED ON 120 MPH (EXPOSURE B)			
SEISMIC	SEISMIC ZONES A, B & C			

- 3) MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
- 4) CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF FIVE INCHES UNLESS NOTED OTHERWISE (U.N.C.)
- 5) MAXIMUM DEPTH OF UNBALANCED FILL AGAINST FOUNDATION WALLS TO BE LESS THAN 4'-0" WITHOUT USING SUFFICIENT WALL BRACING. REFER TO SECTION R602.3 OF 2018 NC BUILDING CODE FOR BACKFILL LIMITATIONS BASED ON WALL HEIGHT, WALL THICKNESS, SOIL TYPE, AND UNBALANCED BACKFILL HEIGHT.
- 6) ALL FRAMING LUMBER SHALL BE SYP #2 (Fb = 800 PSI, BASED ON D/JO) (U.N.)
ALL FRAMING LUMBER EXPOSED TO THE ELEMENTS SHALL BE TREATED MATERIAL.
ALL LVL LUMBER TO BE 1.75" WIDE NOMINAL EACH SINGLE MEMBER AND Fb = 2000 PSI, E = 1.9M PSI (U.N.O.)
ALL L.S. LUMBER TO BE 3.5" WIDE NOMINAL EACH SINGLE MEMBER AND Fb = 2325 PSI, E = 1.8M PSI (U.N.O.)
ALL PSL LUMBER TO BE 3.5" WIDE NOMINAL EACH SINGLE MEMBER AND Fb = 2400 PSI, E = 1.8M PSI (U.N.O.)
- 7) ALL LOAD BEARING EXTERIOR HEADERS SHALL BE AT (2) 2x10 (U.N.O.) REFER TO TABLE R602.7(1) & (2) FOR JACK STUD REQUIREMENTS FOR HEADER SPANS FOR INTERIOR AND EXTERIOR LOAD CONDITIONS UNLESS SPECIFICALLY NOTED ON PLANS.
- 8) ALL STRUCTURAL STEEL W-SHAPES (I-BEAMS) SHALL BE ASTM A992 GRADE 50.
ALL STEEL ANGLES, PLATES, AND C-CHANNELS SHALL BE ASTM A36.
ALL STEEL PIPE SHALL BE ASTM A53 GRADE B.
- 9) STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3/12" AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO (2) LAG SCREWS (1/2" X 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDED THE JOISTS ARE TOE NAILED TO THE SOLE PLATES, AND THE SOLE PLATES ARE NAILED OR BOLTED TO THE BEAM FLANGES @ 48" O.C.
- 10) PROVIDE ANCHOR BOLT PLACEMENT PER SECTION 403.1.6: 1/2" ANCHOR BOLTS SPACED AT 6'-0" O.C. AND PLACED 12" FROM THE END OF EACH PLATE SECTION. ANCHOR BOLTS SHALL BE SPACED AT 3'-0" O.C. FOR BASEMENTS. ANCHOR BOLT SHALL EXTEND 7" INTO CONCRETE OR MASONRY. THE BOLTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE WIDTH OF THE PLATE. THERE SHALL BE A MINIMUM TWO ANCHOR BOLTS PER PLATE SECTION.
- 11) FOUNDATION DRAINAGE-DAMP PROOFING OR WATERPROOFING PER SECTION 405 AND 406 OF NC BUILDING CODE.
- 12) WALL AND ROOF CLADDING VALUES:
WALL CLADDING SHALL BE DESIGNED FOR 28.0 POUNDS PER SQUARE FOOT (LBS/SQFT) OR GREATER POSITIVE AND NEGATIVE PRESSURE. ROOF WALLS BOTH POSITIVE AND NEGATIVE SHALL BE AS FOLLOWS:
39.0 LBS/SQFT FOR ROOF PITCHES 0/12 TO 1/12
36.0 LBS/SQFT FOR ROOF PITCHES 1/12 TO 6/12
18.0 LBS/SQFT FOR ROOF PITCHES 6/12 TO 12/12
MEAN ROOF HEIGHT 3/4" OR LESS
- 13) FOR ROOF SLOPES FROM 2/12 THROUGH 4/12, BUILDER TO INSTALL 2 LAYERS OF 15# FELT PAPER.
- 14) REFER TO SECTION R602.3 FOR FRAMING OF ALL WALLS OVER 10'-0" IN HEIGHT.
- 15) PROVIDE CONTINUOUS SHEATHING PER SECTION 602.10.3 OF THE 2018 N.C.R.C.
- 16) UPLIFT LOADS GREATER THAN 500# SHALL BE CONTINUOUSLY ANCHORED TO THE FOUNDATION.
- 17) REFER TO TABLE N1102.1 FOR PRESCRIPTIVE BUILDING ENVELOPE THERMAL COMPONENT CRITERIA.
- 18) PSL COLUMNS DESIGNED WITH MAXIMUM HEIGHT OF 9'-0" (U.N.O.)
- 19) PROVIDE A MINIMUM OF 500# UPLIFT & LATERAL CONNECTION AT TOP AND BOTTOM OF PORCH COLUMNS. (U.N.O.)
- 20) MAXIMUM MASONRY PER HEIGHT SHALL NOT EXCEED FOUR TIMES ITS LEAST HORIZONTAL DIMENSION.
- 21) IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND SQUARE FOOTAGE PRIOR TO CONSTRUCTION. TYNDALL ENGINEERING & DESIGN, PA IS NOT RESPONSIBLE FOR DIMENSION OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.

DEFINITIONS FOR COMMON ABBREVIATIONS

ALT = ALTERNATE	MAX = MAXIMUM
CANT = CANTILEVER	MIN = MINIMUM
CJ = CEILING JOIST	NOM = NOMINAL
CMU = CONCRETE MASONRY UNIT	O.C. = ON CENTER
COL = COLUMN	PL = POINT LOAD
CONC = CONCRETE	PT = PRESSURE TREATED
CONT = CONTINUOUS	REIN = REINFORCED
CT = COLLAR TIE	REQD = REQUIRED
DBL = DOUBLE	RJ = ROOF JOIST
DIA = DIAMETER	RS = ROOF SUPPORT
DJ = DOUBLE JOIST	SC = STUD COLUMN
DR = DOUBLE RAFTER	SCH = SCHEDULE
EA = EACH	SPEC = SPECIFIED
EE = EACH END	THK = THICK
FJ = FLOOR JOIST	TJ = TRIPLE JOIST
FND = FOUNDATION	TRTD = TREATED
FTG = FOOTING	TYP = TYPICAL
GALV = GALVANIZED	UNO = UNLESS NOTED OTHERWISE
HORIZ = HORIZONTAL	W = WIDE FLANGE BEAM
HT = HEIGHT	WWF = WELDED WIRE FABRIC
MANUF = MANUFACTURER	XJ = EXTRA JOIST

1) MAXIMUM HEIGHT OF DECK SUPPORT POSTS AS FOLLOWS:

POST SIZE	MAX. POST HEIGHT**
4 x 4	8'-0"
6 x 6	20'-0"
***	OVER 20'-0"

* THIS TABLE IS BASED ON NO. 2 TREATED SOUTHERN PINE POSTS. MAXIMUM TRIBUTARY AREA IS BASED ON 128 TOTAL SQUARE FEET WHICH MAY BE LOCATED AT DIFFERENT LEVELS.
** FROM TOP OF FOOTING TO BOTTOM OF GIRDER.
*** DECKS WITH POST HEIGHTS OVER 20'-0" SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.

2) DECKS SHALL BE BRACED TO PROVIDE LATERAL STABILITY BY ONE OF THESE METHODS:

- A. THE DECK FLOOR HEIGHT IS LESS THAN 4'-0" AND THE DECK IS ATTACHED TO THE STRUCTURE IN ACCORDANCE WITH SECTION (4) ABOVE. LATERAL BRACING IS NOT REQUIRED.
- B. 4 x 4 WOOD KNEE BRACES MAY BE PROVIDED ON EACH COLUMN IN BOTH DIRECTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST AT A POINT NOT LESS THAN 1/3 OF THE POST LENGTH FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGLED BETWEEN 45° AND 60° FROM THE HORIZONTAL. KNEE BRACES SHALL BE BOLTED TO THE POST AND GIRDER WITH ONE 5/8" HOT DIPPED GALVANIZED BOLT AT EACH END OF THE BRACE.
- C. FOR FREESTANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN ACCORDANCE WITH THE FOLLOWING:

POST SIZE	MAX. TRIBUTARY AREA	MAX. POST HEIGHT	EMBEDMENT DEPTH	CONCRETE DIAMETER
4 x 4	48 SQ. FT.	4'-0"	2'-6"	1'-0"
6 x 6	120 SQ. FT.	6'-0"	3'-6"	1'-8"

- D. 2 x 6 DIAGONAL VERTICAL CROSS BRACING MAY BE PROVIDED IN TWO (2) PERPENDICULAR DIRECTIONS FOR FREESTANDING DECKS OR PARALLEL TO THE STRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED DECKS. THE 2 x 6s SHALL BE ATTACHED TO THE POSTS WITH ONE 5/8" HOT DIPPED GALVANIZED BOLT AT EACH END OF EACH BRACING MEMBER.
- E. FOR EMBEDMENT OF PILES IN COASTAL REGIONS, SEE CHAPTER 46.

2752 SQ. FT. OF ATTIC / 300 = 9.2 SQ. FT. INLETS/OUTLETS REQUIRED

- 1) CALCULATION BASED ON VENTILATORS USED AT LEAST 2'-0" ABOVE THE CEILING WITH THE RANGE OF VENTILATION PROVIDED BY EACH VENT.
- 2) CATHEDRAL CEILING SHALL HAVE A MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.

* ATTIC VENTILATION CALCULATION

NO SCALE

CLIMATE ZONES	FENESTRATION U-FACTOR ^{a,1}	SKYLIGHT U-FACTOR ^b	GLAZED FENESTRATION SHGC ^{c,1-5}	CEILING ^m R-VALUE	WOOD FRAMED WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT ^{n,6} WALL R-VALUE	SLAB ^d R-VALUE AND DEPTH	CRAWL SPACE ^e WALL R-VALUE
3	0.35	0.55	0.30	38 or 30 cont ¹	15 or 13 + 2.5 ^h	5/13 or 5/10 cont ¹	19	5/13 ¹	0	5/13
4	0.35	0.55	0.30	38 or 30 cont ¹	15 or 13 + 2.5 ^h	5/13 or 5/10 cont ¹	19	10/15	10	10/15
5	0.35	0.55	NR	38 or 30 cont ¹	19, or 13 + 5 ^h or 15 + 3 ^h	13/17 or 13/12.5 cont ¹	30 ⁹	10/15	10	10/19

TABLE N1102.1 CLIMATE ZONES 3-5

NO SCALE

* R-VALUES ARE MINIMUM U-FACTORS AND SHGC ARE MAXIMUMS. WHEN INSULATION IS INSTALLED IN A CAVITY WHICH IS LESS THAN THE LABEL OR DESIGN THICKNESS OF THE INSULATION, THE INSTALLED VALUE OF THE INSULATION SHALL NOT BE LESS THAN THE R-VALUE SPECIFIED IN THE TABLE.

¹ THE FENESTRATION U-FACTOR COLUMN ENCLOSED SKYLIGHTS, THE SOLAR-HEAT-GAIN COEFFICIENT (SHGC) COLUMN APPLIES TO ALL GLAZED FENESTRATION.

² 100% MEANS R-15 CONTINUOUS INSULATED SHEATHING ON THE INTERIOR OR EXTERIOR OF THE ROOF OR IN CAVITY INSULATION AT THE INTERIOR OF THE BASEMENT WALL OR CRAWL SPACE WALL.

³ FOR MONOLITHIC SLAB INSULATION SHALL BE APPLIED FROM THE INSULATION GAP DOWNWARD TO THE BOTTOM OF THE FOOTING OR MINIMUM 2" BELOW GRADE. WHENEVER INSULATION IS USED FOR CRAWL SPACE INSULATION SHALL EXTEND TO THE BOTTOM OF THE FOUNDATION WALL, OR 2" ABOVE GRADE LEVEL. R-15 SHALL BE ADDED TO THE REQUIRED SLAB EDGE R-VALUES FOR HEATED SLABS.

⁴ SEE LIST 2.

⁵ BASEMENT WALL INSULATION IS NOT REQUIRED IN WINTERING LOCATIONS AS DEFINED BY EQUATION N1102.7 AND TABLE N1102.7.

⁶ OR INSULATION EFFICIENT FILL THE FINISHING CAVITY. 10% MINIMUM.

⁷ THE FIRST VALUE IS CAVITY INSULATION; THE SECOND VALUE IS CONTINUOUS INSULATION. 10" 1/4" MEANS R-13 CAVITY INSULATION PLUS R-4 INSULATED SHEATHING. 10" 1/4" MEANS R-15 CAVITY INSULATION PLUS R-3 INSULATED SHEATHING. EXTERIOR BRACING COVERS 20% OR LESS OF THE EXTERIOR. INSULATED SHEATHING IS NOT REQUIRED WHERE THE STRUCTURAL BRACING IS USED. EXTERIOR BRACING COVERS MORE THAN 20% PRESENT OF THE EXTERIOR SHALL BE SUBSTITUTED WITH INSULATED SHEATHING OF AT LEAST 10" 1/4" MEANS R-13 CAVITY INSULATION PLUS R-3 SHEATHING.

⁸ FOR MASS WALLS THE SECOND R-VALUE APPLIES WHEN MORE THAN HALF THE INSULATION IS ON THE INTERIOR MASS WALL.

⁹ IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3, A MAXIMUM OF 2" GLAZED FENESTRATION PRODUCT ASSEMBLIES HAVING A U-FACTOR NO GREATER THAN 0.55 SHALL BE PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE COMPLIANT FENESTRATION PRODUCT ASSEMBLIES WITHOUT PENALTY.

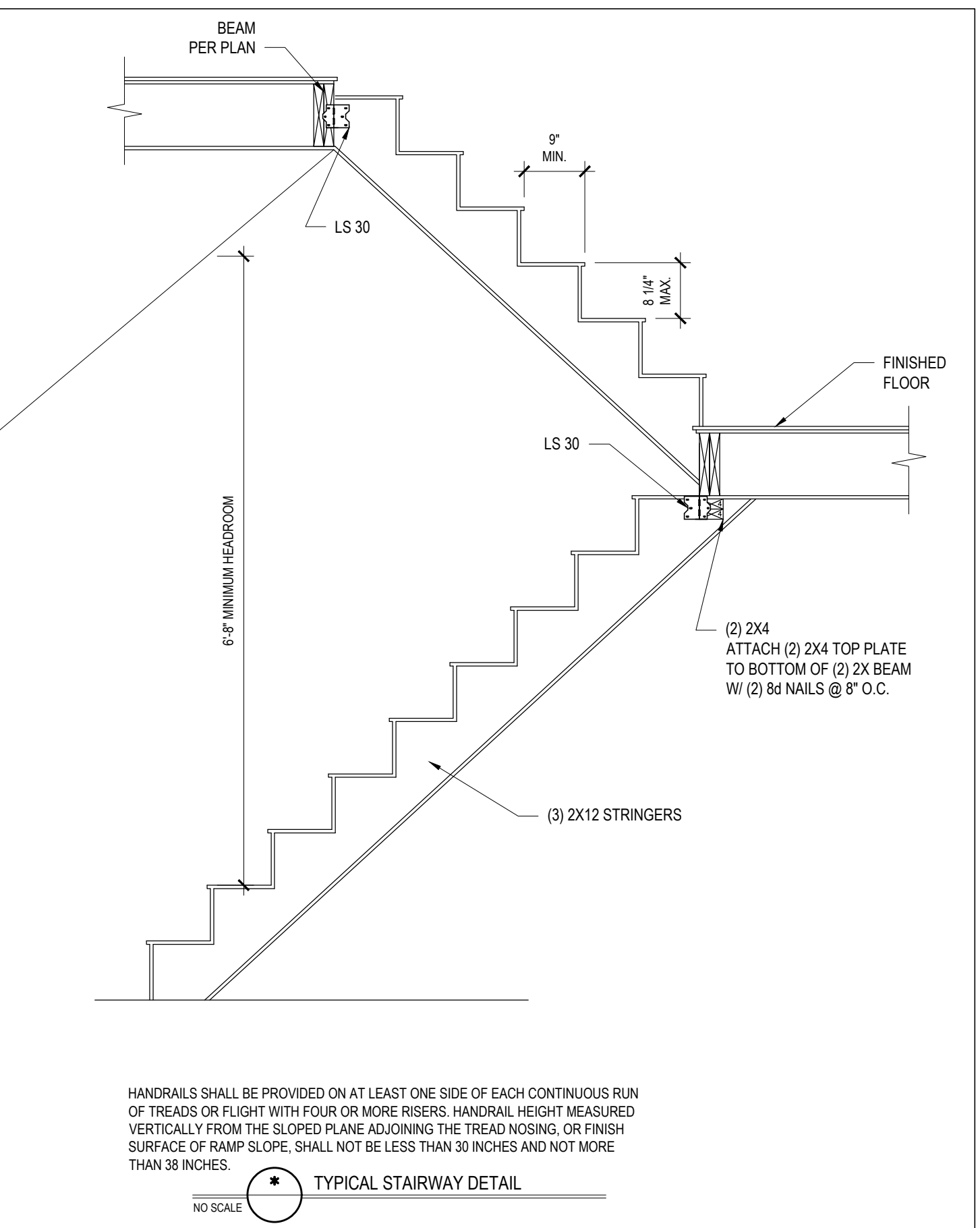
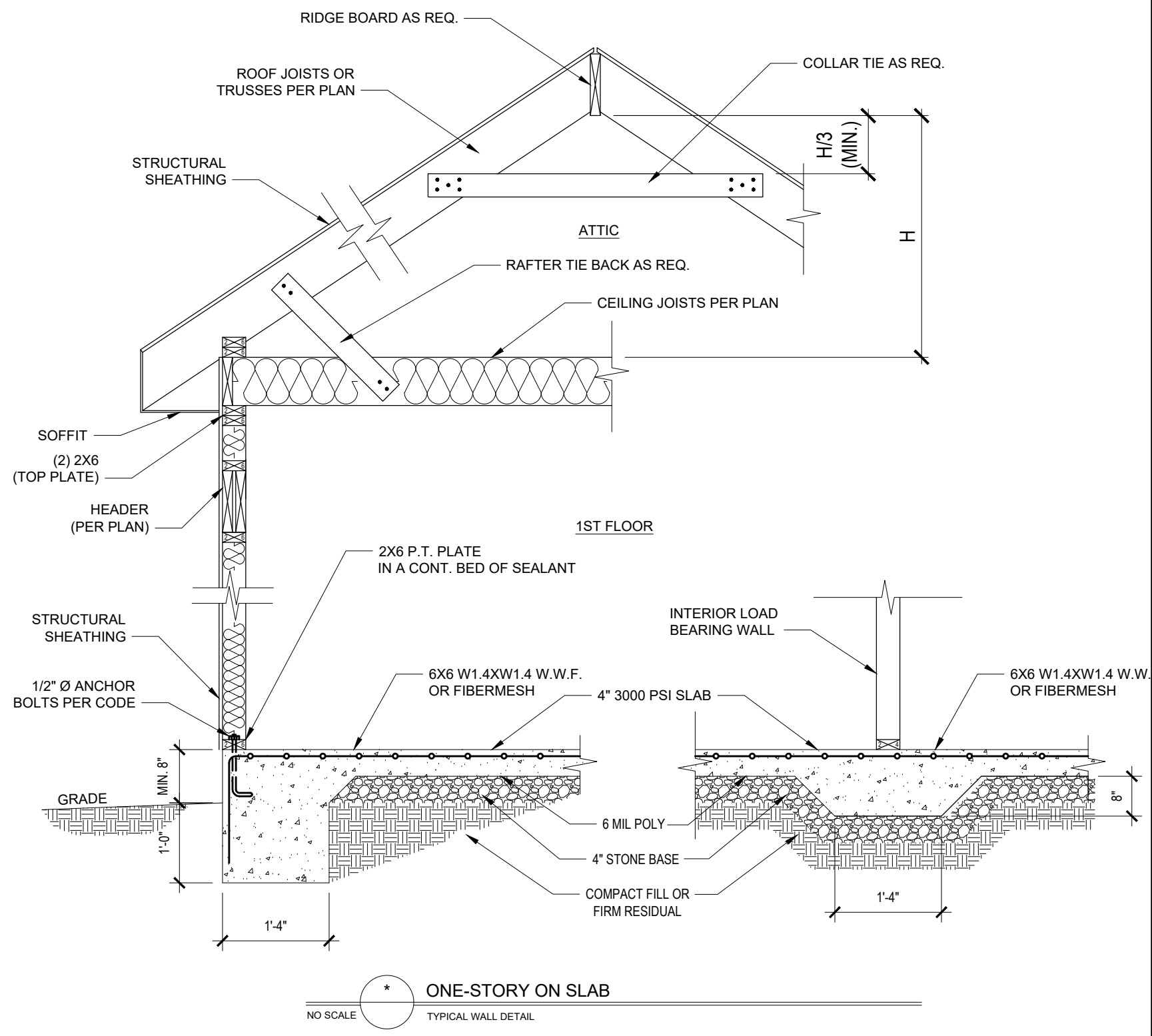
¹⁰ IN ADDITION TO THE EXEMPTION IN SECTION N1102.3.3, A MAXIMUM OF 2" GLAZED FENESTRATION PRODUCT ASSEMBLIES HAVING A SHGC NO GREATER THAN 0.55 SHALL BE PERMITTED TO BE SUBSTITUTED FOR MINIMUM CODE COMPLIANT FENESTRATION PRODUCT ASSEMBLIES WITHOUT PENALTY.

¹¹ R-15 SHALL BE ADDED TO THE REQUIRED INSULATION REQUIREMENT WHENEVER THE FULL HEIGHT OF ANCHORING OR INSULATION EXTENDS OVER THE WALL TOP PLATE AT THE LEAVES. OTHERWISE R-3 INSULATION IS REQUIRED WHERE NEGLIGIBLE CLEARANCE EXISTS OR INSULATION MUST EXTEND TO EITHER THE INSULATION Baffle OR WITHIN 2" OF THE ROOF DECK.

¹² TABLE VALUE REQUIRED EXCEPT FOR ROOF EDGE WHERE THE SPACE IS LIMITED BY THE PITCH OF THE ROOF. THERE THE INSULATION MUST FILL THE SPACE UP TO THE AIR Baffle.

¹³ IN 10" PERFORM AIR-GAP COMPRESSION AND NOTED IN A MINIMUM 1 1/2" FINISHING CAVITY IS DEEMED TO COMPLY. 1 1/2" PERFORMS BATTES BATTED R-15 OR HIGHER COMPRESSION AND RE-INSTALLED IN 2x4 WALL IS NOT PERMITTED TO COMPLY.

¹⁴ BASEMENT WALL MEETING THE MINIMUM MASS WALL SPECIFIC HEAT CONTENT REQUIREMENT MAY USE THE MASS WALL R-VALUE AS THE MINIMUM REQUIREMENT.



HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH FOUR OR MORE RISERS. HANDRAIL HEIGHT MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, OR FINISH SURFACE OF RAMP SLOPE, SHALL NOT BE LESS THAN 30 INCHES AND NOT MORE THAN 36 INCHES.

Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precautions. Any deviation or discrepancies on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.

Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.

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CLIENT: **JONATHAN DAY**

PROJECT: **DAY RESIDENCE**

STANDARD DETAILS

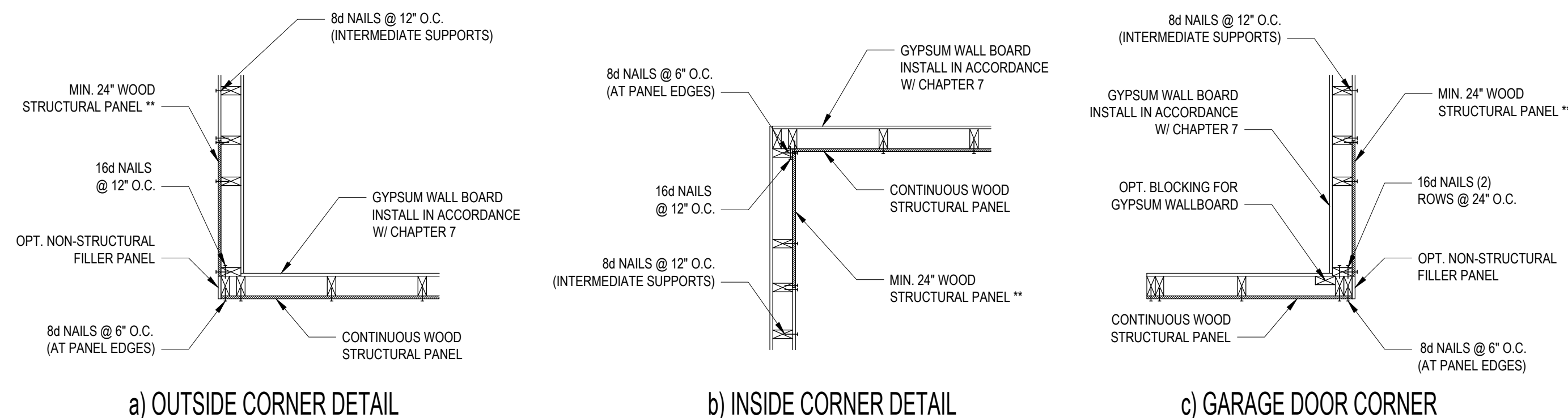
Project #: DRB2201-0155
Date: 6/30/22
Engineered by: JBE
DWG. Checked by: PAT
Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

Sheet Number

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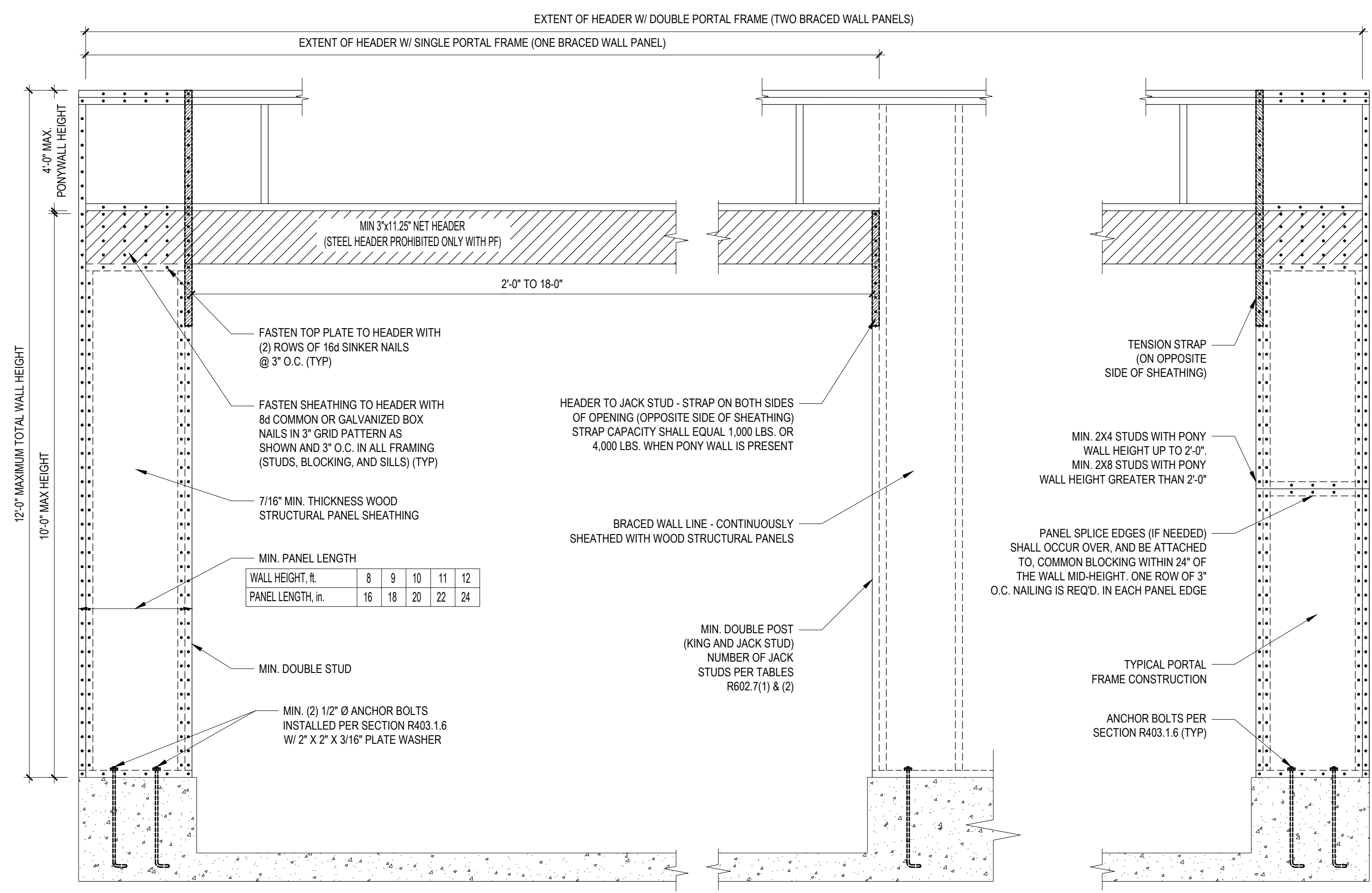
B1: TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING
NO SCALE

STRUCTURAL SHEATHING NOTES

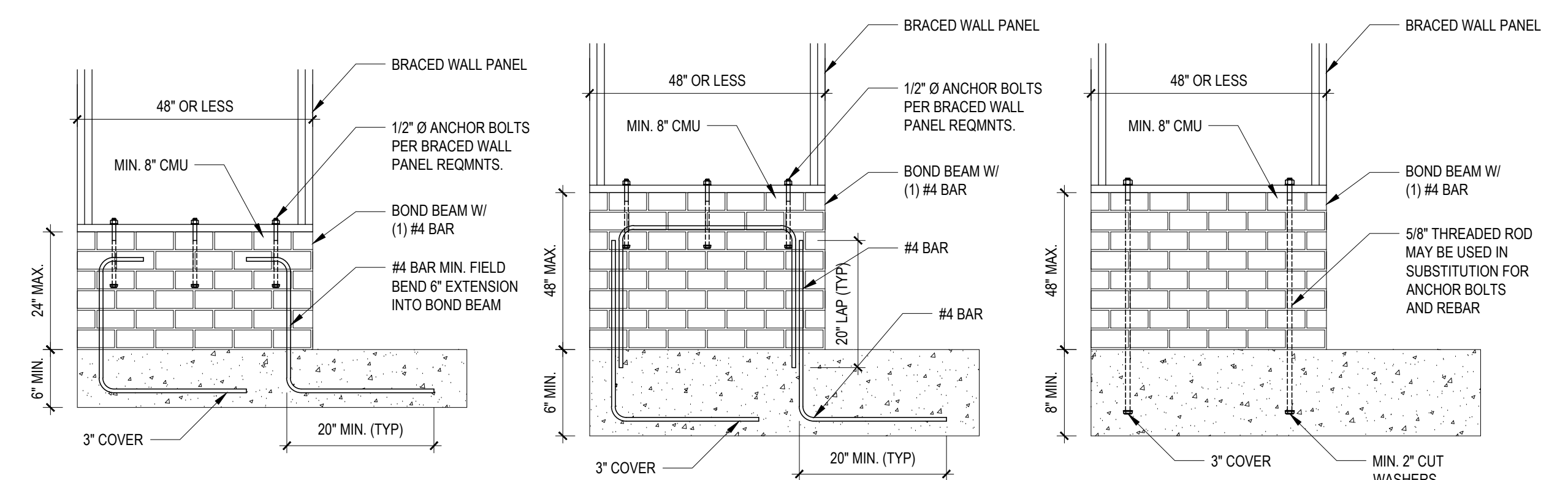
- DESIGNED FOR SEISMIC ZONE A-C AND WIND SPEEDS OF 120 MPH OR LESS.
- WALLS SHALL BE BRACED IN ACCORDANCE WITH SECTION R602.10.3 OF THE 2018 NCR.
- BRACING REQUIREMENTS SHALL BE PER TABLE R602.10.3. REFER TO SECTION R602.10.4 FOR LOAD PATH DETAILS INCLUDING CONNECTIONS & SUPPORT OF BRACED WALL PANELS.
- REFERENCE FIGURE R602.10.4.3 OF THE 2018 NCR.
- INTERIOR BRACED WALL PANELS (BWP) INDICATED SHALL BE SHEATHED IN ACCORDANCE WITH THE GB METHOD OR WSP METHOD AS PRESCRIBED IN SECTION R602.10.1 (UNO).
- 12\"/>

REQUIRED BRACED WALL PANEL CONNECTIONS				
METHOD	MATERIAL	MIN. THICKNESS	REQUIRED CONNECTION	
			@ PANEL EDGES	@ INTERMEDIATE SUPPORTS
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.
GB	GYPSUM BOARD	1/2"	5d COOLER NAIL** @ 7" O.C.	5d COOLER NAIL** @ 7" O.C.
WSP	WOOD STRUCTURAL PANEL	3/8"	6d COMMON NAILS @ 6" O.C.	6d COMMON NAILS @ 12" O.C.

**OR EQUIVALENT PER TABLE R702.3.5
B3: BRACE WALL PANEL CONNECTIONS
NO SCALE



B2: METHOD PF: PORTAL FRAME CONSTRUCTION
FIGURE R602.10.1



B4: MASONRY STEM WALL SUPPORTING BRACED WALL PANELS
FIGURE R602.10.4.3 OF THE 2018 NCR
NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS

Engineers and designers shall not be held responsible for construction methods, materials, techniques, sequences, procedures or safety precautions. Any deviation or discrepancy on plans shall be brought to the immediate attention of Tyn dall Engineering & Design, P.A. Failure to do so will void Tyn dall Engineering & Design, P.A. liability. Please review these documents carefully. Tyn dall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.

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Client: **JONATHAN DAY**
Project: **DAY RESIDENCE**

SHEATHING DETAILS

Project #: DRB2201-0155
Date: 6/30/22
Engineered by: JBE
DWG. Checked by: PAT
Scale: SEE PLAN

REVISIONS		
No.	Date	Remarks

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