

NOTICE TO CONTRACTOR
 An approved plan change will constitute a Building Code
 and a subject to local inspection and verification.

APPROVED
 Harnett County Building Department
 Harnett County, North Carolina
 07/20/2020

**PLANS DESIGNED TO THE
 2018 NORTH CAROLINA STATE
 RESIDENTIAL BUILDING CODE**

MEAN ROOF HEIGHT: 25'-6" HEIGHT TO RIDGE: 29'-9"

CLIMATE ZONE	ZONE 3A	ZONE 4A	ZONE 5A
FENESTRATION U-FACTOR	0.35	0.35	0.35
SKYLIGHT U-FACTOR	0.55	0.55	0.55
GLAZED FENESTRATION SHGC	0.30	0.30	0.30
CEILING R-VALUE	38 or 30ci	38 or 30ci	38 or 30ci
WALL R-VALUE	15	15	19
FLOOR R-VALUE	19	19	30
* BASEMENT WALL R-VALUE	5/13	10/15	10/15
** SLAB R-VALUE	0	10	10
† CRAWL SPACE WALL R-VALUE	5/13	10/15	10/19

**††††† MEANS R-10 BREATHING INSULATION OR R-13 CAVITY INSULATION
 ** INSULATION DEPTH WITH MONOLITHIC SLAB 2" OR FROM INSPECTION GAP TO BOTTOM OF
 FOOTING; INSULATION DEPTH WITH STEM WALL SLAB 2" OR TO BOTTOM OF FOUNDATION WALL

DESIGNED FOR WIND SPEED OF 120 MPH, 3 SECOND GUST (3 FASTEST MILE) EXPOSURE "B"

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS:

MEAN ROOF	UP TO 30'	30'-1" TO 35'	35'-1" TO 40'	40'-1" TO 45'
ZONE 1	14.2	-15.0	14.9	-15.8
ZONE 2	14.2	-18.0	14.9	-18.9
ZONE 3	14.2	-18.0	14.9	-18.9
ZONE 4	15.5	-16.0	16.3	-16.8
ZONE 5	15.5	-20.0	16.3	-21.0

DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (3 FASTEST MILE) EXPOSURE "B"

COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS:

MEAN ROOF	UP TO 30'	30'-1" TO 35'	35'-1" TO 40'	40'-1" TO 45'
ZONE 1	16.7	-18.0	17.5	-18.9
ZONE 2	16.7	-21.0	17.5	-22.1
ZONE 3	16.7	-21.0	17.5	-22.1
ZONE 4	18.2	-19.0	19.1	-20.0
ZONE 5	18.2	-24.0	19.1	-25.2

ROOF VENTILATION

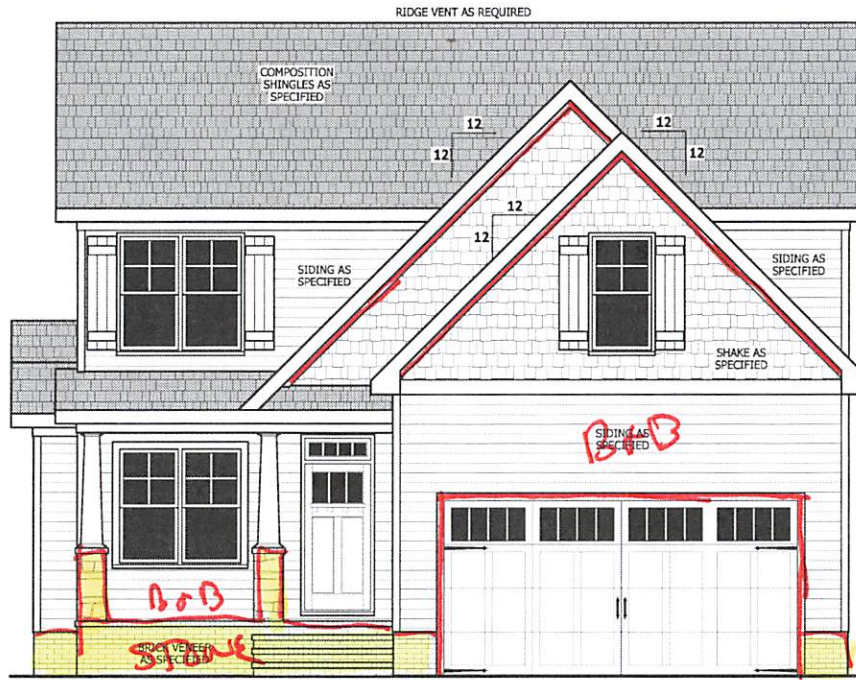
SECTION R805
 SQUARE FOOTAGE OF ROOF TO BE VENTED = 1,344 SQ.FT.
 NET FREE CROSS VENTILATION REQUIRED:
 WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 8.96 SQ.FT.
 WITH 50% TO 80% OF VENTING 3'-0" ABOVE EAVE, OR WITH CLASS I OR II
 VAPOR RETARDER ON WARM-IN-WINTER SIDE OF CEILING = 4.48 SQ.FT.

GUARD RAIL NOTES

SECTION R312
R312.1 Where required. Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side. Insect screening shall not be considered as a guard.
R312.2 Height. Required guards at open-sided walking surfaces, including stairs, porches, balconies or landings, shall be not less than 36 inches (914 mm) high measured vertically above the adjacent walking surface, adjacent fixed seating or the line connecting the leading edges of the treads.
Exceptions:
 1. Guards on the open sides of stairs shall have a height not less than 34 inches (864 mm) measured vertically from a line connecting the leading edges of the treads.
 2. Where the top of the guard also serves as a handrail on the open sides of stairs, the top of the guard shall not be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leading edges of the treads.
R312.3 Opening limitations. Required guards shall not have openings from the walking surface to the required guard height which allow passage of a sphere 4 inches (102 mm) in diameter.
Exceptions:
 1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6 inches (153 mm) in diameter.
 2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4 3/8 inches (111 mm) in diameter.

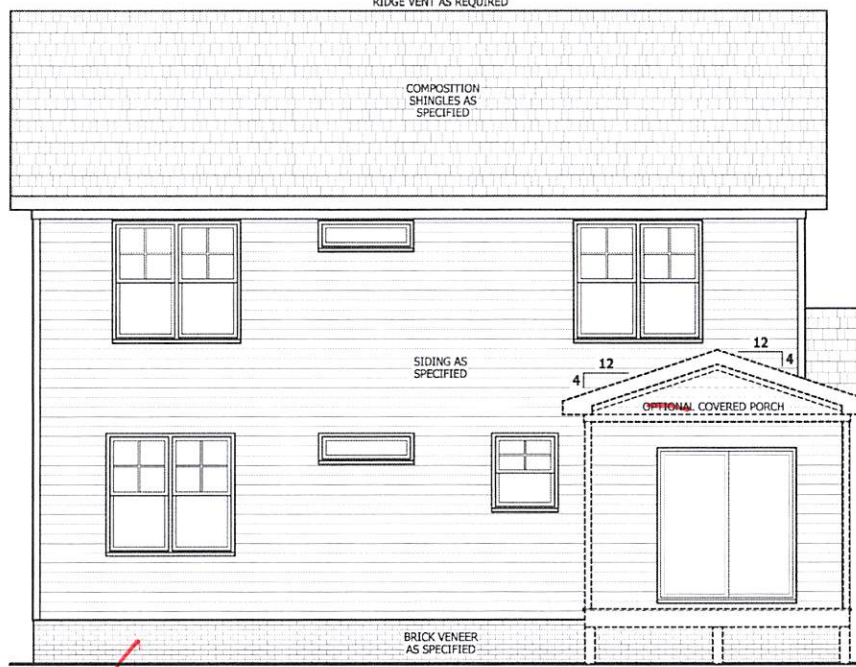
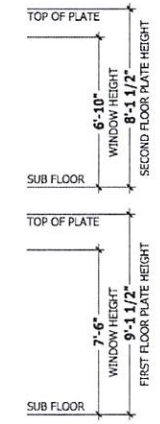
AIR LEAKAGE

Section N1102.4
N1102.4.1 Building thermal envelope. The building thermal envelope shall be durably sealed with an air barrier system to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. For all homes, where present, the following shall be caulked, gasketed, weather stripped or otherwise sealed with an air barrier material or solid material consistent with Appendix E-2.4 of this code:
 1. Blocking and sealing floor/ceiling systems and under knee walls open to unconditioned or exterior space.
 2. Capping and sealing shafts or chases, including flue shafts.
 3. Capping and sealing soffit or dropped ceiling areas.



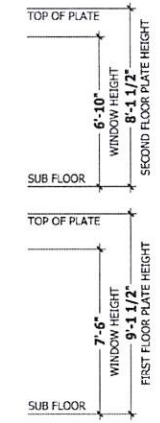
FRONT ELEVATION

SCALE 1/4" = 1'-0"



REAR ELEVATION

SCALE 1/4" = 1'-0"



SQUARE FOOTAGE

HEATED	
FIRST FLOOR	798 SQ. FT.
SECOND FLOOR	743 SQ. FT.
PLAYROOM	194 SQ. FT.
TOTAL	1735 SQ. FT.
UNHEATED	
GARAGE	400 SQ. FT.
FRONT PORCH	86 SQ. FT.
DECK/PORCH	120 SQ. FT.
TOTAL	606 SQ. FT.

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS. HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTOR PRACTICES OR PROCEDURES. CODES AND CONDITIONS MAY VARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

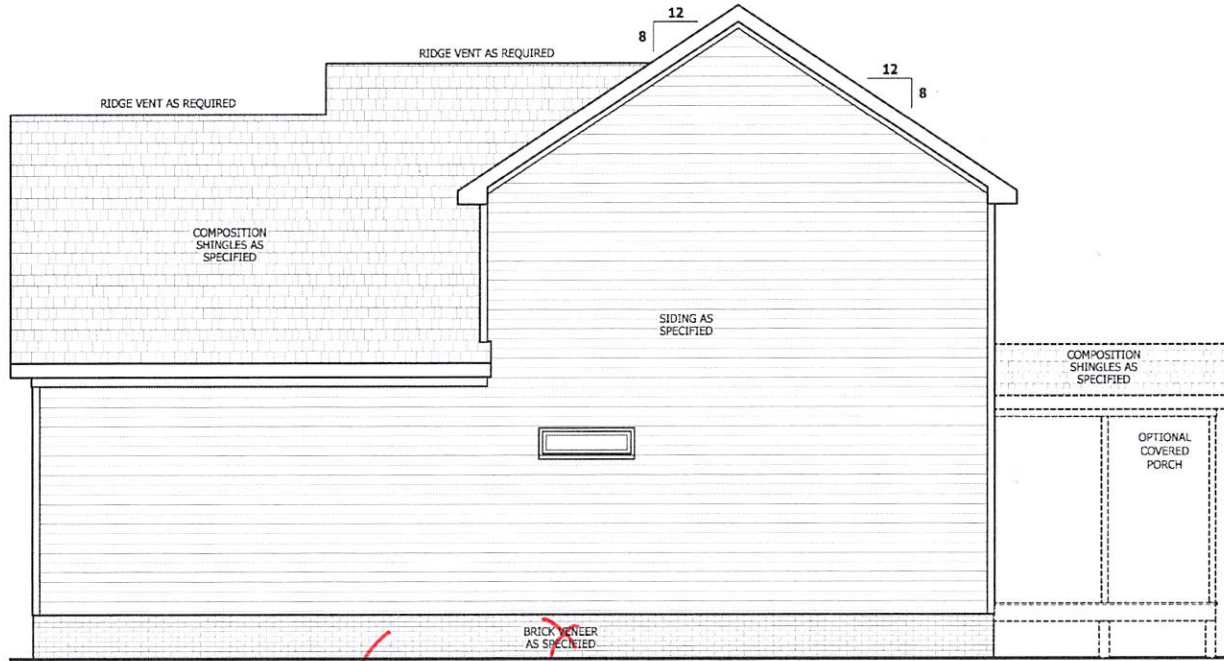
FRONT & REAR ELEVATIONS
NICHOLSON

HAYNES WEAVER HOMES
 HOME PLANS, INC.
 610 BRIG. ST. #100

HAYNES WEAVER HOME PLANS, INC.

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	798 SQ. FT.
SECOND FLOOR	743 SQ. FT.
PLAYROOM	194 SQ. FT.
TOTAL	1735 SQ. FT.
UNHEATED	
GARAGE	400 SQ. FT.
FRONT PORCH	86 SQ. FT.
DECK/PORCH	120 SQ. FT.
TOTAL	606 SQ. FT.

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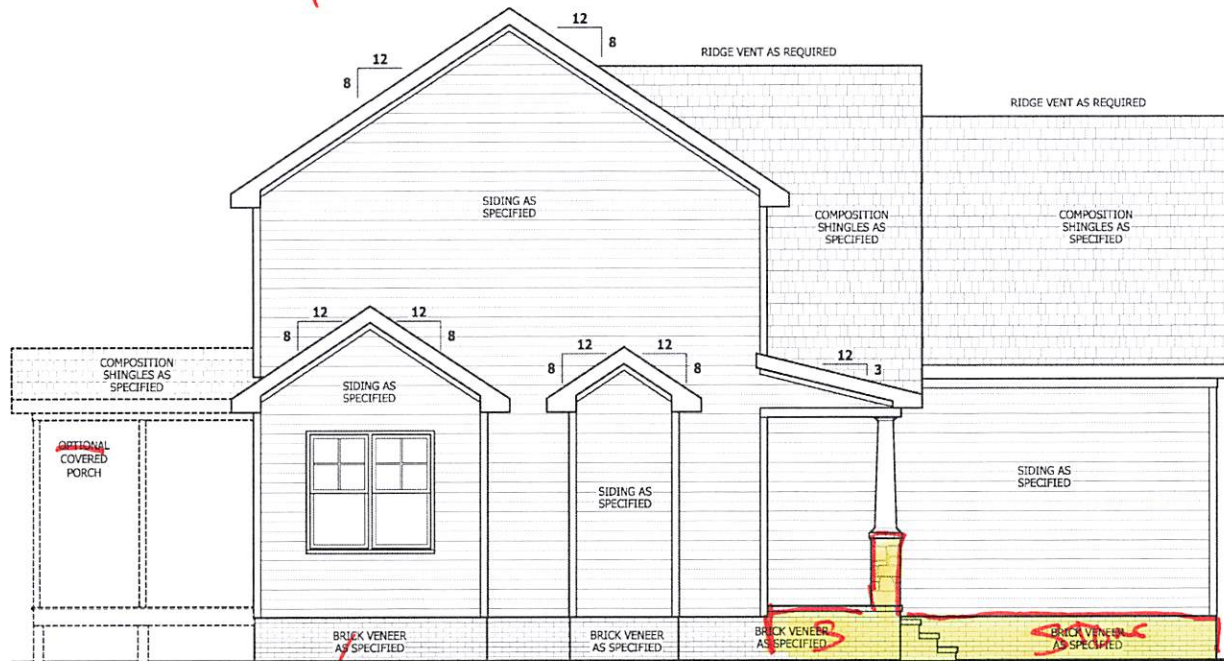
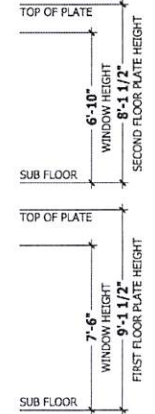


RIGHT SIDE ELEVATION

SCALE 1/4" = 1'-0"

RAIL AS NEEDED PER CODE

PARGE



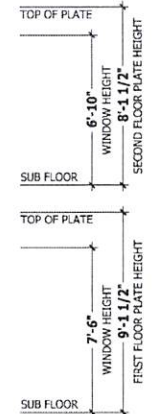
LEFT SIDE ELEVATION

SCALE 1/4" = 1'-0"

RAIL AS NEEDED PER CODE

RAIL AS NEEDED PER CODE

PARGE



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LEFT & RIGHT ELEVATIONS
NICHOLSON

HAYNES WE AVER
HOMES
ONE FOUR SEVEN ZERO ONE DIO DRIVE, DODGE

HAYNES HOME PLANS, INC.

SQUARE FOOTAGE

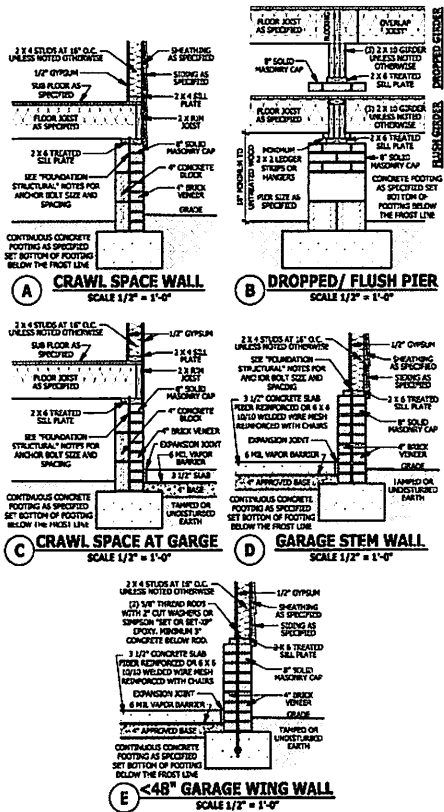
HEATED	
FIRST FLOOR	798 SQ.F.
SECOND FLOOR	743 SQ.F.
FLYPOOR	134 SQ.F.
TOTAL	1735 SQ.F.
UNHEATED	
GARAGE	405 SQ.F.
FRONT PORCH	36 SQ.F.
DECK/PORCH	133 SQ.F.
TOTAL	666 SQ.F.

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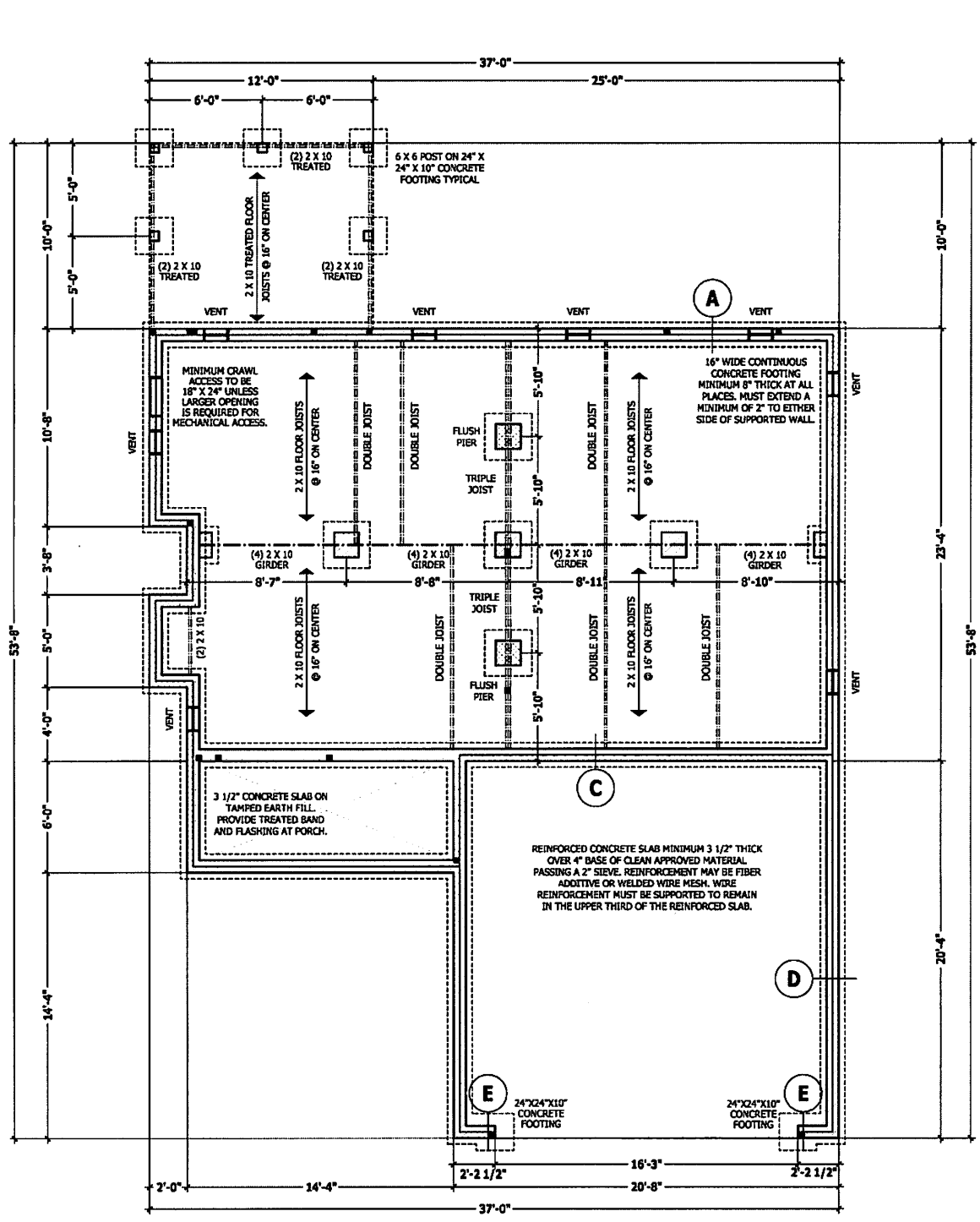


FOUNDATION STRUCTURAL

115 to 130 mph wind zone (1 1/2 to 2 1/2 story)
CONTINUOUS FOOTING: 16" wide and 8" thick minimum, 20" wide minimum at brick veneer. Must extend 2" to other side of supported wall.
GIRDERS: (3) 2 X 10 girder unless noted otherwise.
PIERS: 16" X 16" piers with 8" solid masonry cap on 30" X 30" X 10" concrete footing with maximum pier height of 64" with hollow masonry and 160" with solid masonry.
POINT LOADS: □ designates significant point load and should have solid blocking to pier, girder or foundation wall.
115 and 120 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 7", maximum 6'-0" on center, within 12" of plate ends, and minimum two anchor bolts per plate.
130 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 15", maximum 4'-0" on center, within 12" of plate ends, and minimum two anchor bolts per plate.
CONCRETE: Concrete shall have a minimum 28 day strength of 3000 psi and a maximum 5" slump. Air entrained per table 402.2. All concrete shall be in accordance with ACI standards. All samples for pumping shall be taken from the exit end of the pump.
SOILS: Allowable soil bearing pressure assumed to be 2000 PSF. The contractor must contact a geotechnical engineer and a structural engineer if unsatisfactory subsurface conditions are encountered. The surface area adjacent to the foundation wall shall be provided with adequate drainage, and shall be graded so as to drain surface water away from foundation walls.

WALL VENTED CRAWL SPACES

UNDER-FLOOR SPACE (SECTION R408)
 SQUARE FOOTAGE OF FOUNDATION TO BE VENTED = 767 SQ.FT.
 WITHOUT CROSS VENTILATION AREA OF VENTING NEEDED = 5.11 SQ.FT.
 WITH CROSS VENTILATION AREA OF VENTING NEEDED = 0.51 SQ.FT.
 NOTE: NUMBER OF VENTS NEED WILL VARY DEPENDING ON VENTS USED AND CROSS VENTILATION.



CRAWL SPACE PLAN
 SCALE 1/4" = 1'-0"

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONNECTION BEFORE CONSTRUCTION BEGIN. HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND PROCEDURES.
 CODES AND CONVENTIONS MAY VARY WITH LOCATION. A LOCAL ARCHITECT, ARCHITECT AT LARGE, OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

FOUNDATION PLAN
NICHOLSON

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HOME PLANS, INC.
 HOMES
 010.670.9100 • 010.670.4600

SQUARE FOOTAGE

HEATED	767	SQ
NET FLOOR	767	SQ
SECOND FLOOR	767	SQ
PLAN	1074	SQ
UNHEATED	1775	SQ
GARAGE	88	SQ
FRONT PORCH	82	SQ
REAR PORCH	82	SQ
TOTAL	2629	SQ

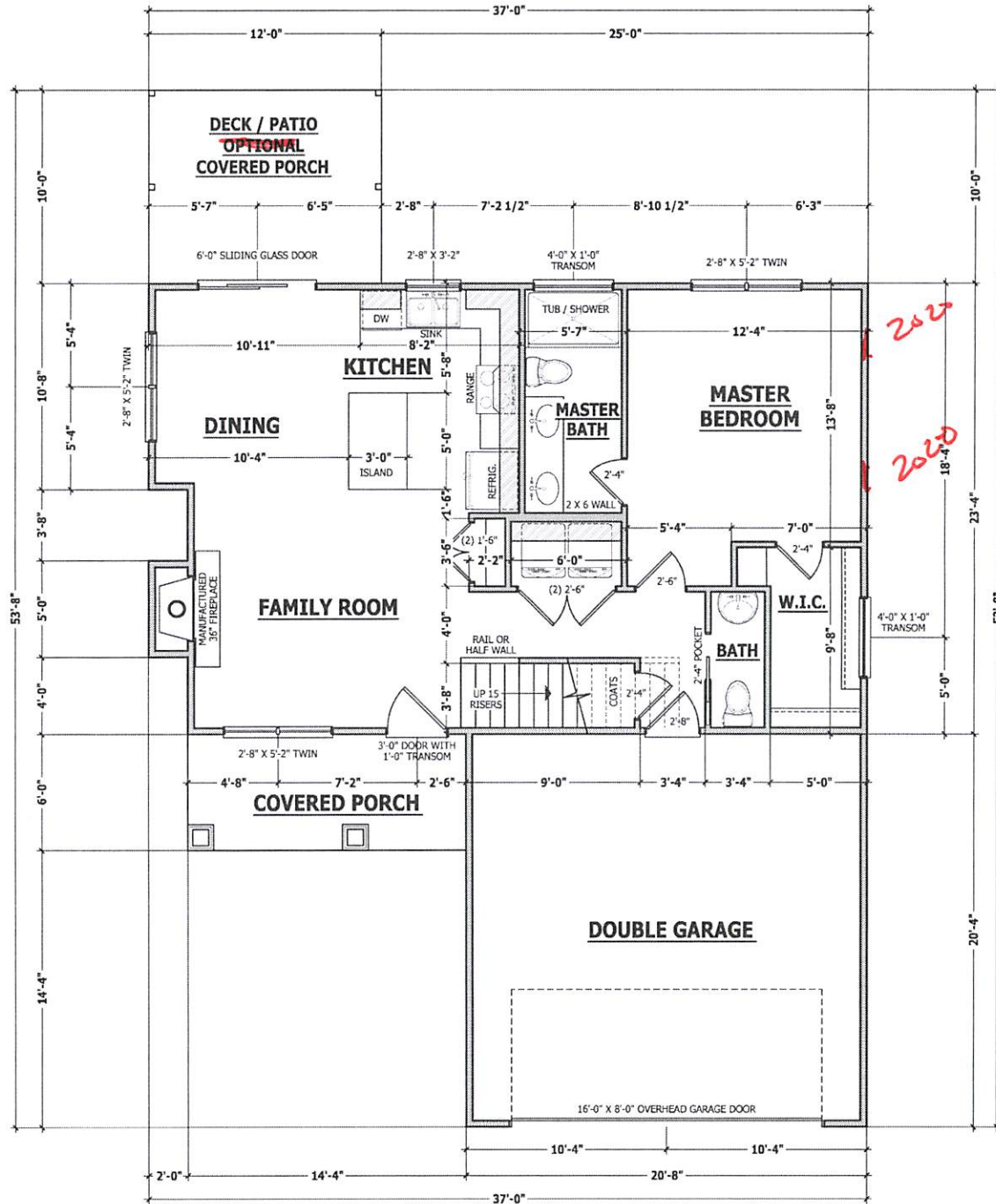
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FIRST FLOOR PLAN
NICHOLSON

HAYNES WEAVER
 HOMES
 HOME PLANS, INC.
 010.670.9100 • 010.670.6748

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	798 SQ. FT.
SECOND FLOOR	743 SQ. FT.
PLAYROOM	194 SQ. FT.
TOTAL	1735 SQ. FT.
UNHEATED	
GARAGE	400 SQ. FT.
FRONT PORCH	85 SQ. FT.
DECK/PORCH	120 SQ. FT.
TOTAL	605 SQ. FT.

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WALL THICKNESSES

Exterior walls and walls adjacent to a garage area are drawn as 4" or as noted 2 X 6 are drawn as 6" to include 1/2" sheathing or gypsum. Subtract 1/2" for stud face.
 Interior walls are drawn as 3 1/2" or as noted 2 X 6 are drawn as 5 1/2", and do not include gypsum.

DWELLING / GARAGE SEPARATION

REFER TO SECTIONS R302.5, R302.6, AND R302.7
WALLS. A minimum 1/2" gypsum board must be installed on all walls supporting floor/ceiling assemblies used for separation required by this section.
STAIRS. A minimum of 1/2" gypsum board must be installed on the underside and exposed sides of all stairways.
CEILINGS. A minimum of 1/2" gypsum must be installed on the garage ceiling if there are no habitable room above the garage. If there are habitable room above the garage a minimum of 5/8" type X gypsum board must be installed on the garage ceiling.
OPENING PENETRATIONS. Openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors.
DUCT PENETRATIONS. Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall have no openings into the garage.
OTHER PENETRATIONS. Penetrations through the separation required in Section R302.6 shall be protected as required by Section R302.11, Item 4.

SQUARE FOOTAGE

HEATED	
FIRST FLOOR	798 SQ. FT.
SECOND FLOOR	743 SQ. FT.
PLAYROOM	194 SQ. FT.
TOTAL	1735 SQ. FT.
UNHEATED	
GARAGE	400 SQ. FT.
FRONT PORCH	85 SQ. FT.
DECK/PORCH	120 SQ. FT.
TOTAL	605 SQ. FT.

FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 North Carolina Residential Building Code, plus all local codes and regulations. This document in no way shall be construed to supersede the code.
JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, Inc. assumes no liability for contractor practices and procedures or safety program. Haynes Home Plans, Inc. takes no responsibility for the contractor's failure to carry out the construction work in accordance with the contract documents. All members shall be framed, anchored, and braced in accordance with good construction practice and the building code.

DESIGN LOADS	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (LL)
Attics without storage	10	--	L/240
Attics with limited storage	20	10	L/360
Attics with fixed stairs	40	10	L/360
Balconies and decks	40	10	L/360
Fire escapes	40	10	L/360
Guardrails and handrails	200	--	--
Guardrail in-fill components	50	--	--
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sleeping rooms	30	10	L/360
Stairs	40	--	L/360
Snow	20	--	--

FRAMING LUMBER: All non treated framing lumber shall be SPF #2 (Fb = 875 PSI) or SYP #2 (Fb = 750 PSI) and all treated lumber shall be SYP #2 (Fb = 750 PSI) unless noted otherwise.

ENGINEERED WOOD BEAMS:
 Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.9x10⁶ PSI
 Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x10⁶ PSI
 Laminated strand lumber (LSL) = Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI
 Install all connections per manufacturer's instructions.

TRUSS AND I-JOIST MEMBERS: All roof truss and I-joist layouts shall be prepared in accordance with this document. Trusses and I-joists shall be installed according to the manufacturer's specifications. Any change in truss or I-joist layout shall be coordinated with Haynes Home Plans, Inc.

LINTELS: Brick lintels shall be 3 1/2" x 3 1/2" x 1/4" steel angle for up to 6'-0" span, 6" x 4" x 5/16" steel angle with 6" leg vertical for spans up to 9'-0" unless noted otherwise. 3 1/2" x 3 1/2" x 1/4" steel angle with 1 1/2" bolts at 2'-0" on center for spans up to 18'-0" unless noted otherwise.

FLOOR SHEATHING: OSB or CDX floor sheathing minimum 1/2" thick for 16" on center joist spacing, minimum 5/8" thick for 19.2" on center joist spacing, and minimum 3/4" thick for 24" on center joist spacing.

ROOF SHEATHING: OSB or CDX roof sheathing minimum 3/8" thick for 16" on center rafters and 7/16" for 24" on center rafters.

CONCRETE AND SOILS: See foundation notes.

BRACE WALL PANEL NOTES

EXTERIOR WALLS: All exterior walls to be sheathed with CS-WSP or CS-SFB in accordance with section R602.10.3 unless noted otherwise.

GYPSUM: All interior sides of exterior walls and both sides interior walls to have 1/2" gypsum installed. When not using method GB gypsum to be fastened per table R702.3.5. Method GB to be fastened per table R602.10.1.

REQUIRED LENGTH OF BRACING: Required brace wall length for each side of the circumscribed rectangle are interpolated per table R602.10.3. Methods CS-WSP and CS-SFB contribute their actual length. Method GB contributes 0.5 its actual length. Method PF contributes 1.5 times its actual length.

HD: 800 lbs hold down hold down device fastened to the edge of the brace wall panel closest to the corner.

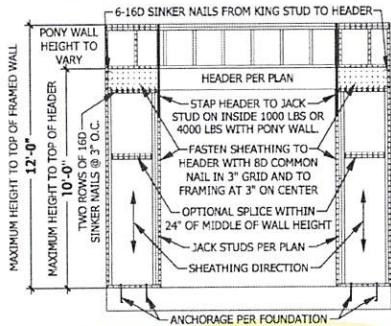
Methods: Per Table R602.10.1

CS-WSP: Shall be minimum 3/8" OSB or CDX nailed at 6" on center at edges and 12" on center at intermediate supports with 6d common nails or 8d(2 1/2" long x 0.113" diameter).

CS-SFB: Shall be minimum 1/2" structural fiber board nailed at 3" on center at edges and 3" on center at intermediate supports with 1 1/2" long x 0.12" diameter galvanized roofing nails.

GB: Interior walls show as GB are to have minimum 1/2" gypsum board on both sides of the wall fastened at 7" on center at edges and 7" on center at intermediate supports with minimum 5d corner nails or #6 screws.

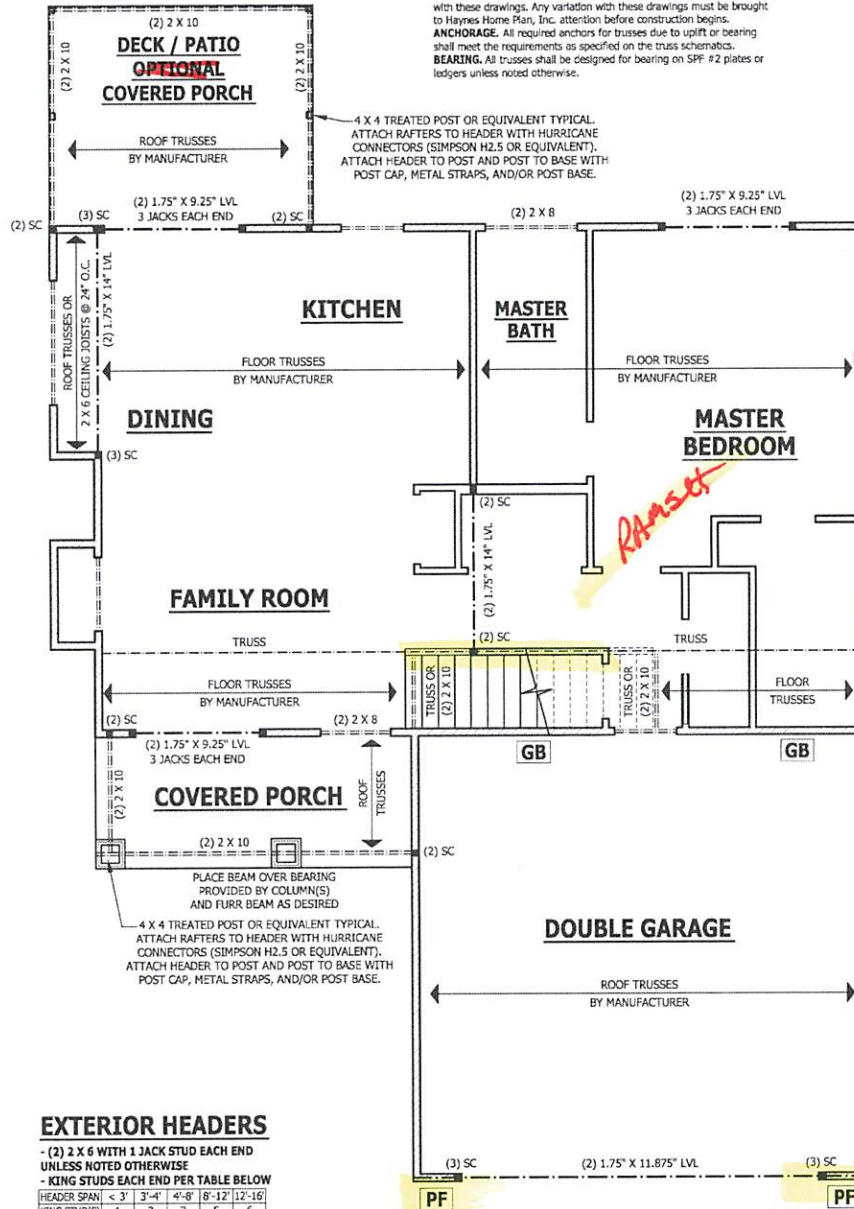
PF: Portal frame per figure R602.10.1



PF PORTAL FRAME AT OPENING
 (METHOD PF PER FIGURE AND SECTION R602.10.1)
 SCALE 1/4" = 1'-0"

ROOF TRUSS REQUIREMENTS

TRUSS DESIGN: Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plan, Inc. attention before construction begins.
ANCHORAGE: All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.
BEARING: All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.



EXTERIOR HEADERS

(2) 2 X 6 WITH 1 JACK STUD EACH END UNLESS NOTED OTHERWISE
 - KING STUDS EACH END PER TABLE BELOW

HEADER SPAN	< 3'	3'-4'	4'-8'	8'-12'	12'-16'
KING STUD(S)	1	2	3	5	6

INTERIOR HEADERS

- LOAD BEARING HEADERS (2) 2 X 6 WITH 1 JACK STUD AND 1 KING STUD EACH END UNLESS NOTED OTHERWISE
 - NON LOAD BEARING HEADERS TO BE LADDER FRAMED

FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"

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FIRST FLOOR STRUCTURAL
NICHOLSON

HAYNES WE AVE
HOMES
 010.630.0100 • 010.606.4606

HAYNES HOME PLANS, INC.

SQUARE FOOTAGE

HEATED	789 SQ. FT.
FIRST FLOOR	743 SQ. FT.
SECOND FLOOR	146 SQ. FT.
LANDSCAPE	146 SQ. FT.
TOTAL	1735 SQ. FT.
UNHEATED	
GARAGE	400 SQ. FT.
FRONT PORCH	88 SQ. FT.
REAR PORCH	132 SQ. FT.
TOTAL	620 SQ. FT.

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Attics with limited storage	20	10	L/360
Attics with fixed stairs	40	10	L/360
Balconies and decks	40	10	L/360
Fire escapes	40	10	L/360
Guardrails and handrails	200		
Guardrail in-fill components	50		
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sleeping rooms	30	10	L/360
Stairs	40		L/360
Snow	20		

FRAMING LUMBER: All non treated framing lumber shall be SPF #2 (Fb = 875 PSI) or SYP #2 (Fb = 750 PSI) and all treated lumber shall be SYP #2 (Fb = 750 PSI) unless noted otherwise.

ENGINEERED WOOD BEAMS: Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.5x10⁶ PSI
 Parallel strand lumber (PSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x10⁶ PSI
 Laminated strand lumber (LSL) = Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI
 Install all connections per manufacturer's instructions.

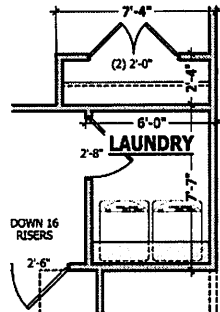
TRUSSES AND I-JOIST MEMBERS: All roof truss and I-joint layouts shall be prepared in accordance with this document. Trusses and I-joints shall be installed according to the manufacturer's specifications. Any change in truss or I-joint layout shall be coordinated with Haynes Home Plans, Inc.

LDNTELS: Brack linteis shall be 3 1/2" x 3 1/2" x 1/4" steel angle for up to 6'-0" span, 6" x 4" x 5/16" steel angle with 6" leg vertical for spans up to 9'-0" unless noted otherwise, 3 1/2" x 3 1/2" x 1/4" steel angle with 1/2" bolts at 2'-0" on center for spans up to 18'-0" unless noted otherwise.

FLOOR SHEATHING: OSB or CDX floor sheathing minimum 1/2" thick for 16" on center joist spacing, minimum 5/8" thick for 19.2" on center joist spacing, and minimum 3/4" thick for 24" on center joist spacing.

ROOF SHEATHING: OSB or CDX roof sheathing minimum 3/8" thick for 16" on center rafters and 7/16" for 24" on center rafters.

CONCRETE AND SOILS: See foundation notes.



OPTIONAL LAUNDRY ROOM

ATTIC ACCESS

SECTION RB07
RB07.1 Attic access. An attic access opening shall be provided to attic areas that exceed 400 square feet (37.16 m²) and have a vertical height of 60 inches (1524 mm) or greater. The net clear opening shall not be less than 20 inches by 30 inches (508 mm by 762 mm) and shall be located in a hallway or other readily accessible location. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See Section M1305.1.3 for access requirements where mechanical equipment is located in attics.

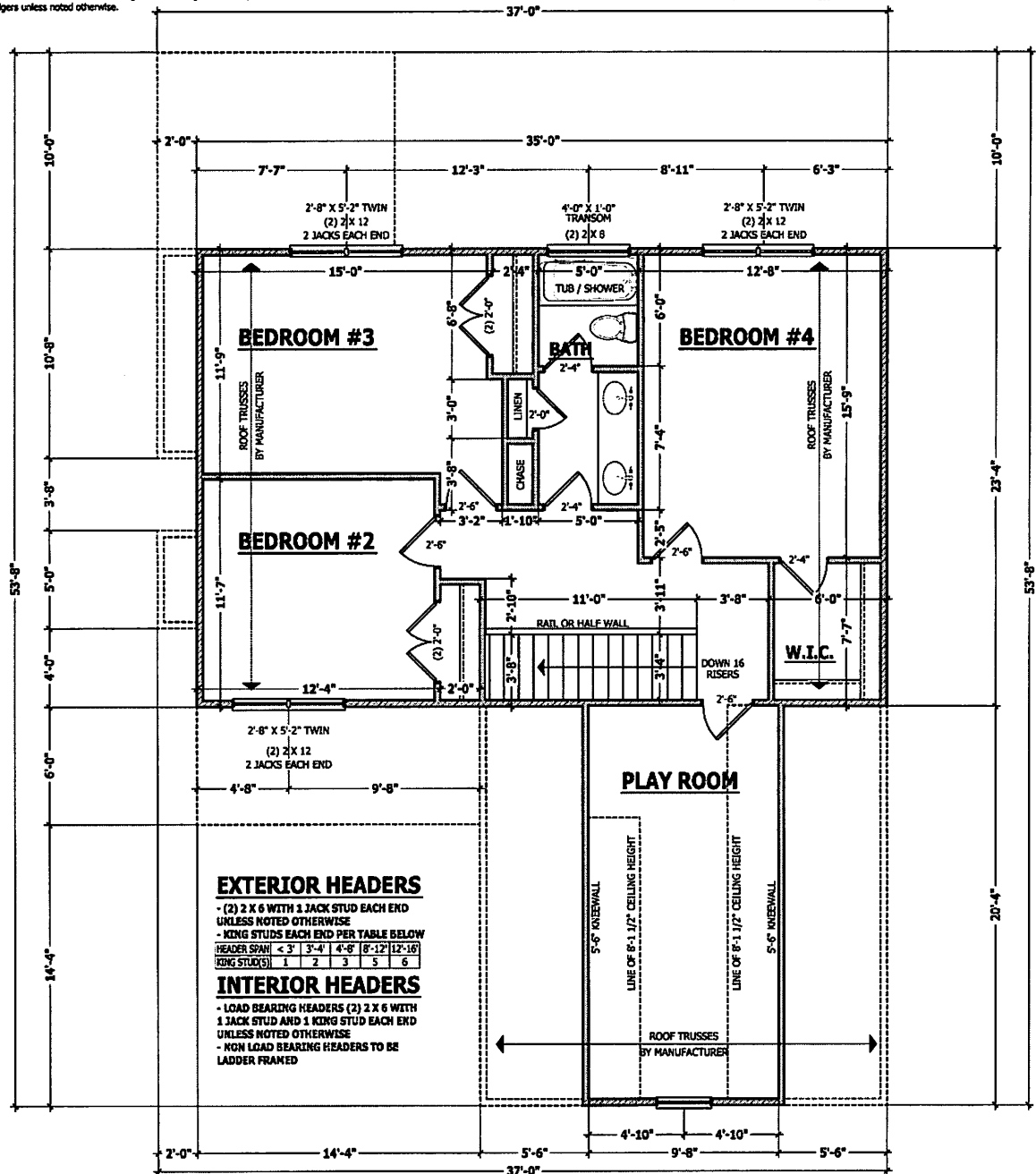
- Exceptions:**
1. Ceaseless areas not located over the main structure including porches, areas behind knee walls, dormers, bay windows, etc. are not required to have access.
 2. Pull down stair treads, stringers, handrails, and hardware may protrude into the net clear opening.

ROOF TRUSS REQUIREMENTS

TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plans, Inc. attention before construction begins.
ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.
BEARINGS. All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.

WALL THICKNESSES

Exterior walls and walls adjacent to a garage area are drawn as 4" or as noted 2 X 6 are drawn as 6" to include 1/2" sheathing or gypsum. Subtract 1/2" for stud face.
 Exterior walls are drawn as 3 1/2" or as noted 2 X 6 are drawn as 5 1/2", and do not include gypsum.



EXTERIOR HEADERS

(2) 2 X 6 WITH 1 JACK STUD EACH END UNLESS NOTED OTHERWISE
 KING STUDS EACH END PER TABLE BELOW

HEADER SPAN	< 3'	3'-4'	4'-8'	8'-12'	12'-16'
KING STUD(S)	1	2	3	5	6

INTERIOR HEADERS

LOAD BEARING HEADERS (2) 2 X 6 WITH 1 JACK STUD AND 1 KING STUD EACH END UNLESS NOTED OTHERWISE
 NON LOAD BEARING HEADERS TO BE LADDER FRAMED

SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

PURCHASER MUST VERIFY ALL CONDITIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS.
 HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTOR PRACTICES OR PROCEDURES.
 CODES AND CONDITIONS MAY VARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWINGS ARE INSTRUMENTS OF SERVICE. AN AS-BUILT SHALL REMAIN PROPERTY OF THE DESIGNER.

SECOND FLOOR PLAN
NICHOLSON

HAYNES WEAVER
 HOMES
 610.670.9100 • 610.670.4646

HAYNES WEAVER
 HOME PLANS, INC.

SQUARE FOOTAGE

HEATED	788
REST ROOM	20
SECOND FLOOR	808
PLAYROOM	173
TOTAL	1789
UNHEATED	26
GARAGE	88
FRONT PORCH	85
REAR PORCH	85
TOTAL	264

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7/29/2019

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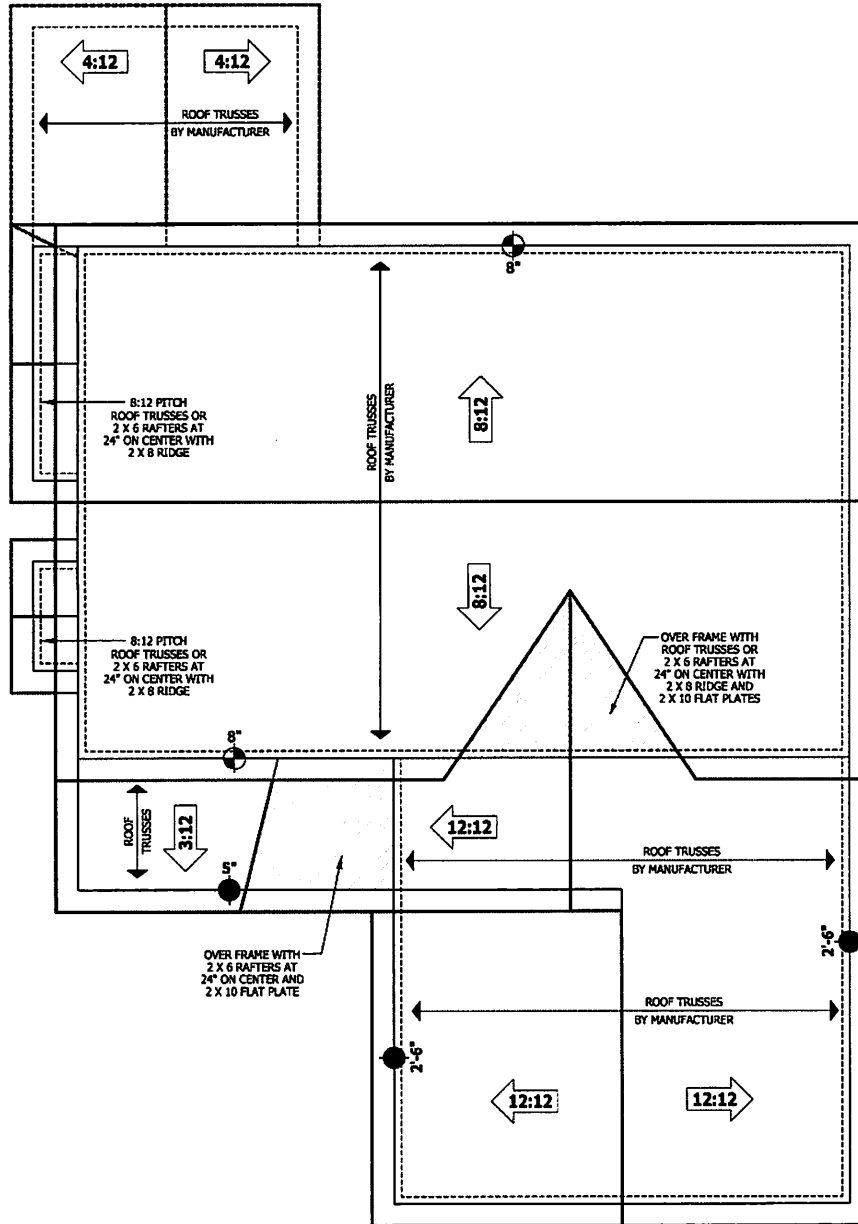
PAGE 6 OF 8

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONNECTIONS BEFORE CONSTRUCTION BEGINS.
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 CODES AND CONDITIONS MAY VARY WITH LOCALITY. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION.
 THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND AS SUCH ARE THE PROPERTY OF THE DESIGNER.

ROOF TRUSS REQUIREMENTS

TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plans, Inc. attention before construction begins.
KNEE WALL AND CEILING HEIGHTS. All finished knee wall heights and ceiling heights are shown furred down 10" from roof decking for insulation. If for any reason the truss manufacturer fails to meet or exceed designated heel heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished square footage may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a suitable solution can be reached before construction begins. Any variation due to these conditions not being met is the responsibility of the truss manufacturer.
ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics.
BEARING. All trusses shall be designed for bearing on SPF #2 plates or ledgers unless noted otherwise.
Plate Heights & Floor Systems. See elevation page(s) for plate heights and floor system thicknesses.
 ● HEEL HEIGHT ABOVE FIRST FLOOR PLATE ● HEEL HEIGHT ABOVE SECOND FLOOR PLATE

OPTIONAL COVERED PORCH



ROOF PLAN

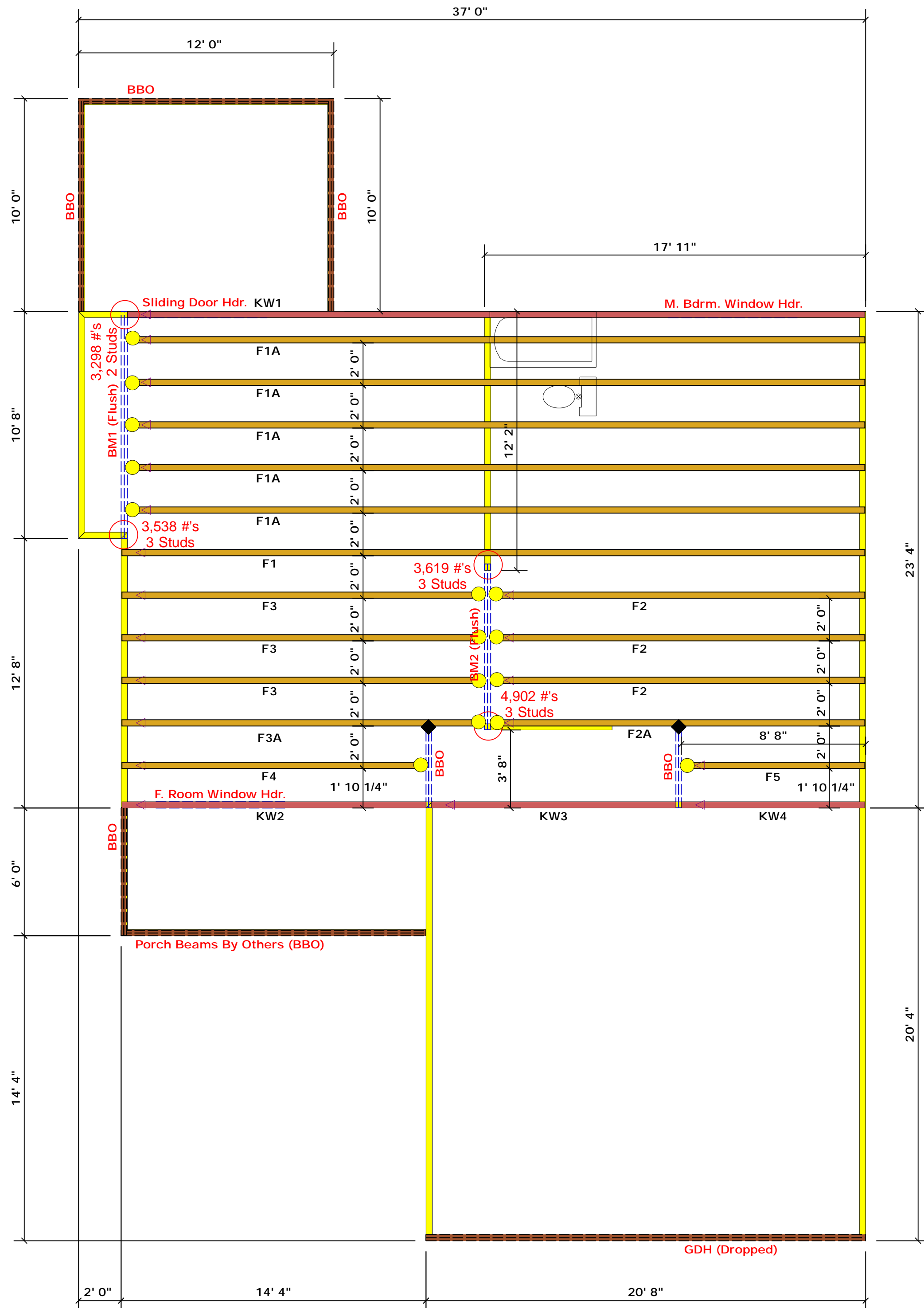
SCALE 1/4" = 1'-0"

ROOF PLAN
 NICHOLSON

HAYNES WEAVER
 HOMES
 HOME PLANS, INC.
 010 670 4700 • 010 670 4705

SQUARE FOOTAGE

HEATED FIRST FLOOR	786 SQ. FT.
HEATED SECOND FLOOR	243 SQ. FT.
UNHEATED PORCH	173 SQ. FT.
TOTAL	1202 SQ. FT.
GARAGE	403 SQ. FT.
FRONT PORCH	121 SQ. FT.
BACK PORCH	66 SQ. FT.
TOTAL	990 SQ. FT.



Truss Placement Plan SCALE: 1/4" = 1'-0"

- = HUS410 (Qty. 15)
- ◆ = MSH422 (Qty. 2)

▲ = Denotes Left End of Truss
(Reference Engineered Truss Drawing)

Products				
PlotID	Length	Product	Plies	Net Qty
F. Room Window Hdr.	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
M. Bdrm. Window Hdr.	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
Sliding Door Hdr.	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH (Dropped)	21' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
BM1 (Flush)	11' 0"	1-3/4"x 14" LVL Kerto-S	2	2
BM2 (Flush)	8' 0"	1-3/4"x 14" LVL Kerto-S	2	2

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

○ -- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

LOAD CHART FOR JACK STUDS

NO. OF JACKS	SPACING	LOAD (LBS)
1	12' 0"	1700
2	8' 0"	3400
3	6' 0"	5100
4	4' 6"	6800
5	3' 6"	8500
6	3' 0"	10200
7	2' 6"	11900
8	2' 3"	13600
9	2' 0"	15300

BUILDER	Weaver Development	CITY / CO.	Harnett Co. / Harnett
JOB NAME	Lot 3 Adcock Farm	ADDRESS	Lot 3 Adcock Farm
PLAN	Nicholson (190717B)	MODEL	Floor
SEAL DATE	Seal Date	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Christine Shivy
JOB #	J0520-2109	SALES REP.	Lenny Norris

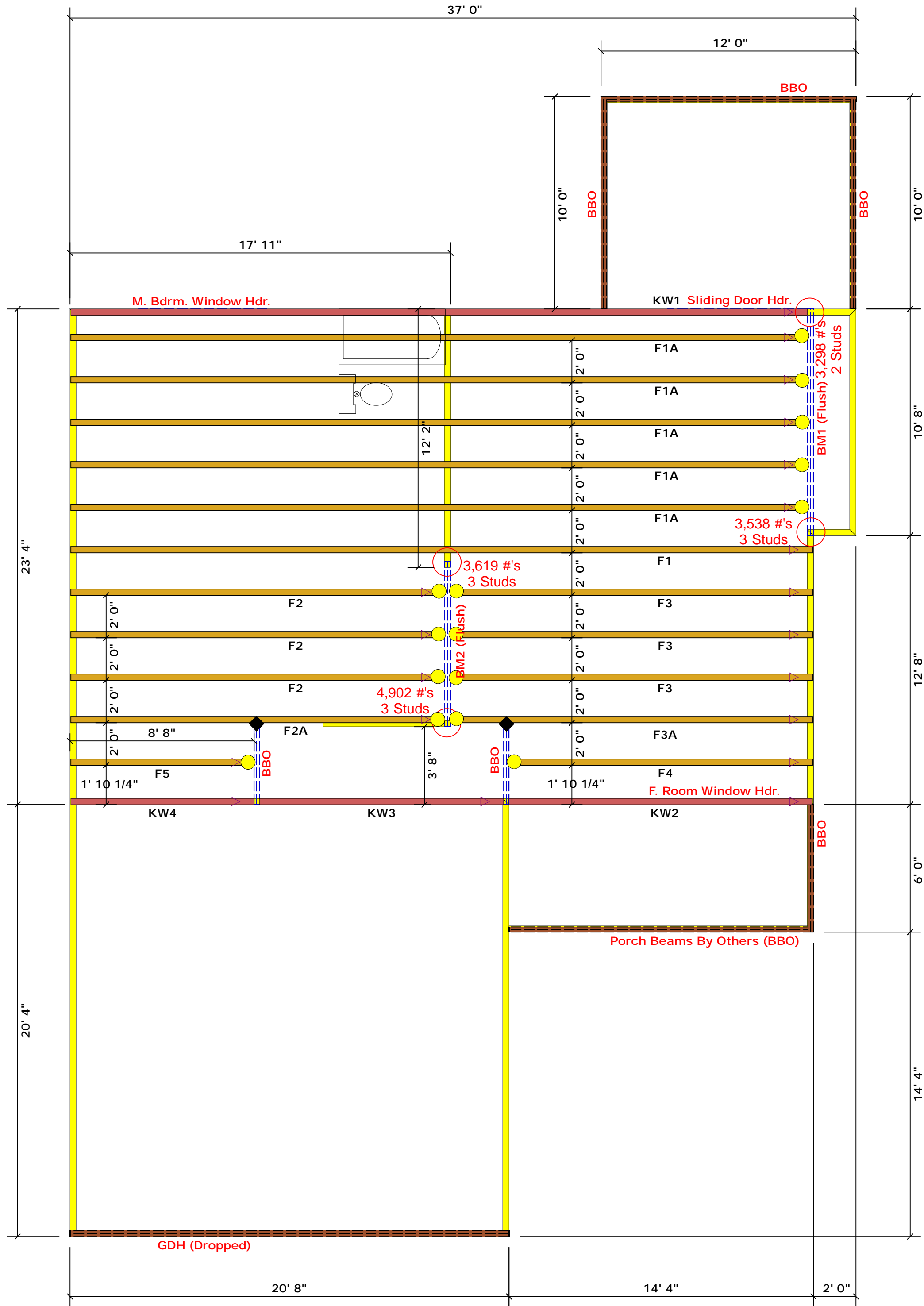
THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature: Christine Shivy
Christine Shivy

ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444



Truss Placement Plan SCALE: 1/4" = 1'-0"

- = HUS410 (Qty. 15)
- ◆ = MSH422 (Qty. 2)

▲ = Denotes Left End of Truss
(Reference Engineered Truss Drawing)

Products				
PlotID	Length	Product	Plies	Net Qty
F. Room Window Hdr.	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
M. Bdrm. Window Hdr.	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
Sliding Door Hdr.	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH (Dropped)	21' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
BM1 (Flush)	11' 0"	1-3/4"x 14" LVL Kerto-S	2	2
BM2 (Flush)	8' 0"	1-3/4"x 14" LVL Kerto-S	2	2

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

○ -- Denotes Reaction Greater than 3,000 lbs.
Reaction / # of Studs

LOAD CHART FOR JACK STUDS

REACTION (UP TO 1000 LBS)	SPACING	NO. OF JACK STUDS
1700	1	2550
3400	2	5100
5100	3	7650
6800	4	10200
8500	5	12750
10200	6	15300
11900	7	
13600	8	
15300	9	

BUILDER	Weaver Development	CITY / CO.	Harnett Co. / Harnett
JOB NAME	Lot 3 Adcock Farm	ADDRESS	Lot 3 Adcock Farm
PLAN	Nicholson (190717B)	MODEL	Floor
SEAL DATE	Seal Date	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Christine Shivy
JOB #	J0520-2109	SALES REP.	Lenny Norris

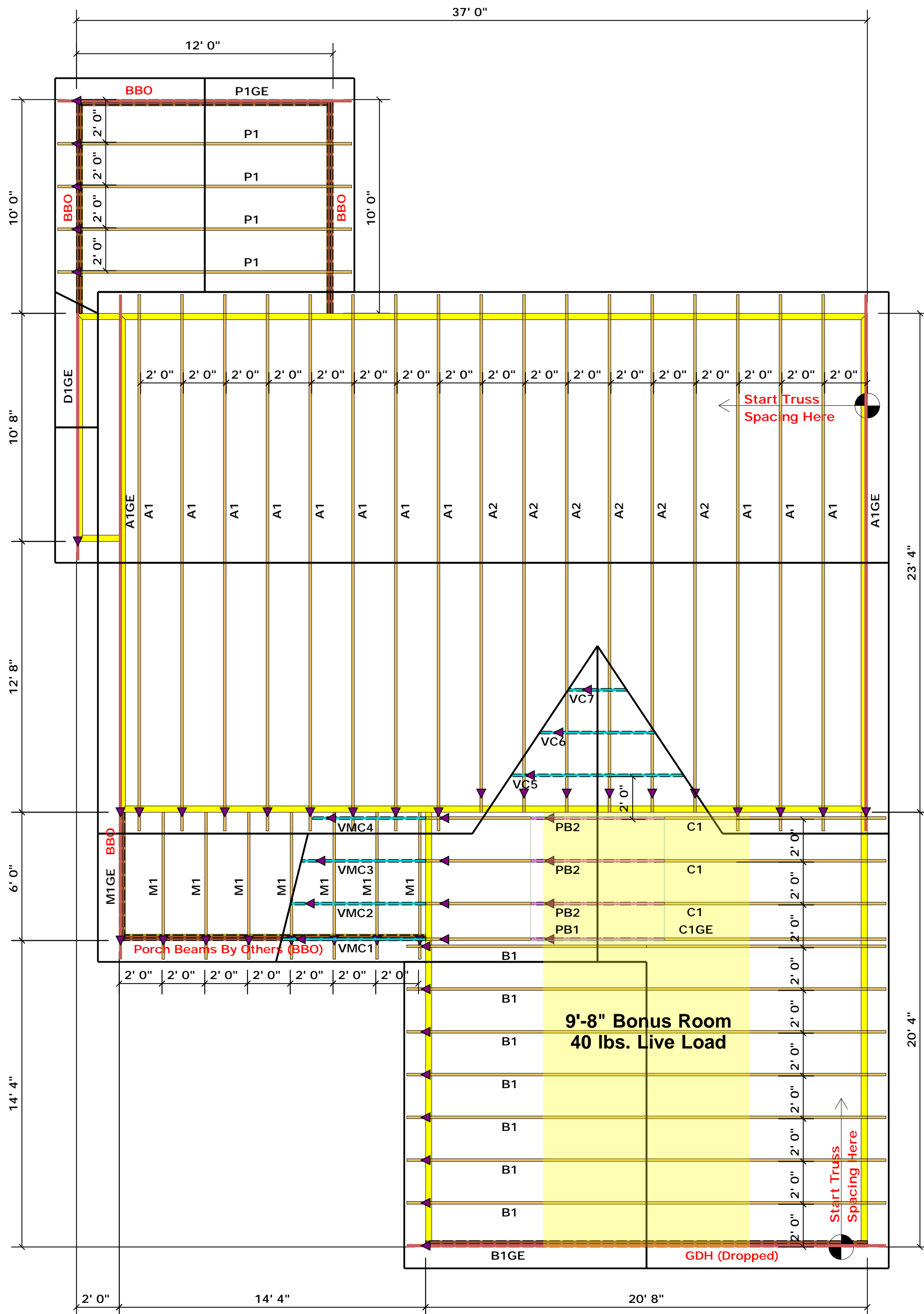
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Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

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Christine Shivy

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Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444



▲ = Denotes Left End of Truss
(Reference Engineered Truss Drawing)

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

○ -- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

Truss Placement Plan SCALE: 1/4" = 1'-0"

LOAD CHART FOR JACK STUDS	
MEMBER SIZE	MAXIMUM SPACING (ft)
1700	1
2560	2
3400	3
5100	4
6800	5
8500	6
10200	7
11900	8
13600	9

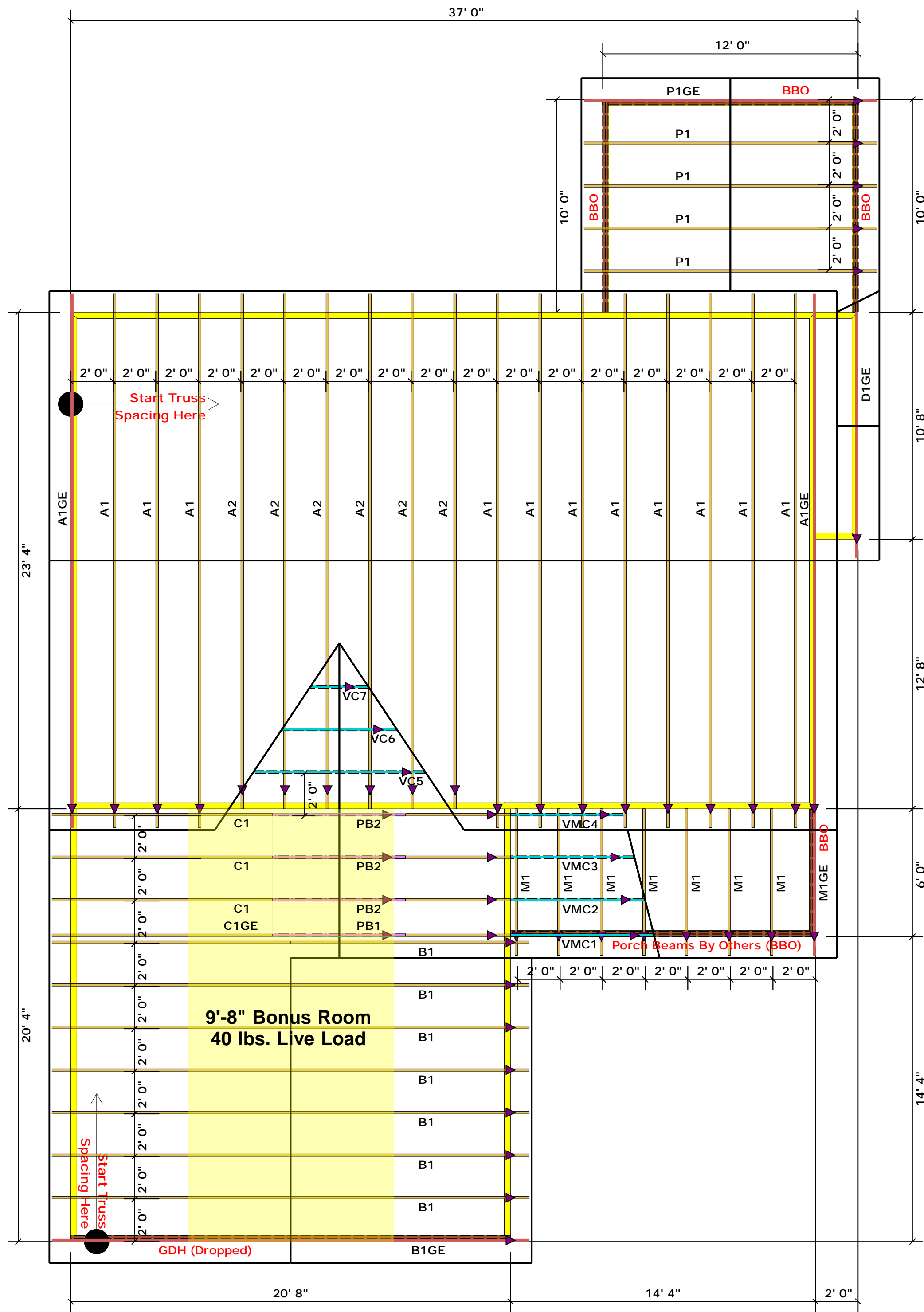
BUILDER	Weaver Development	CITY / CO.	Harnett Co. / Harnett
JOB NAME	Lot 3 Adcock Farm	ADDRESS	Lot 3 Adcock Farm
PLAN	Nicholson (190717B)	MODEL	Roof
SEAL DATE	Seal Date	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Christine Shivy
JOB #	J0520-2108	SALES REP.	Lenny Norris

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▲ = Denotes Left End of Truss
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○ -- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

Truss Placement Plan
SCALE: 1/4" = 1'-0"

LOAD CHART FOR JACK STUDS

MEMBER SIZE	SPACING	UNIFORM LOAD (PSF)	POINT LOAD (KIP)
1700	1	2550	3400
3400	2	5100	6800
5100	3	7650	10200
6800	4	10200	13600
8500	5	12750	17000
10200	6	15300	
11900	7		
13600	8		
15300	9		

BUILDER	Weaver Development	CITY / CO.	Harnett Co. / Harnett
JOB NAME	Lot 3 Adcock Farm	ADDRESS	Lot 3 Adcock Farm
PLAN	Nicholson (190717B)	MODEL	Roof
SEAL DATE	Seal Date	DATE REV.	/ /
QUOTE #	Quote #	DRAWN BY	Christine Shivy
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