* "10/13" MEANS R-10 SHEATHING INSULATION OR R-13 CAVITY INSULATION ** INSULATION DEPTH WITH MONOLITHIC SLAB 24" OR FROM INSPECTION GAP TO BOTTOM OF FOOTING; INSULATION DEPTH WITH STEM WALL SLAB 24" OR TO BOTTOM OF FOUNDATION WALL

DESIGNED FOR WIND SPEED OF 120 MPH 3 SECOND GUST (93 FASTEST MILE) EXPOSURE "R"

DESIGNED FOR WIN	D JI LLD	01 120 111	11, 3 3200	וכטט טווכ	וכתו ככן	LOT MILL)	LAI OSOI	(L D
COMPONENT								
MEAN ROOF	UP T	O 30'	30'-1"	TO 35'	35'-1"	TO 40'	40'-1"	TO 45'
ZONE 1	14.2	-15.0	14.9	-15.8	15.5	-16.4	15.9	-16.8
ZONE 2	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2
ZONE 3	14.2	-18.0	14.9	-18.9	15.5	-19.6	15.9	-20.2
ZONE 4	15.5	-16.0	16.3	-16.8	16.9	-17.4	17.4	-17.9
70NF 5	15.5	-20 0	16.3	-21 0	16.9	-21.8	17 4	-22 4

DESIGNED FOR WIND SPEED OF 130 MPH, 3 SECOND GUST (101 FASTEST MILE) EXPOSURE "B" | 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 | 18.2 | -19.6 | 18.7 | -20.2 | ZONE 2 | 16.7 | -21.0 | 17.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | ZONE 3 | 16.7 | -21.0 | 17.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | -22.1 | 18.2 | -22.9 | 18.7 | -23.5 | -22.1 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 | -23.5 |
 ZONE 4
 18.2
 -19.0
 19.1
 -20.0
 19.8
 -20.7
 20.4
 -21.3

 ZONE 5
 18.2
 -24.0
 19.1
 -25.2
 19.8
 -26.2
 20.4
 -26.9

ROOF VENTILATION

SECTION R806

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R806.1 Ventilation required. Enclosed *attics* and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4 inch (6.4 mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 inch (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7.

R806.2 Minimum area. The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914 mm) above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.

1. Enclosed attic/rafter spaces requiring less than 1 square foot (0.0929 m2) of ventilation may be vented with continuous soffit ventilation only. 2. Enclosed attic/rafter spaces over unconditioned space may be vented with continuous soffit vent only.

SQUARE FOOTAGE OF ROOF TO BE VENTED = 2,619 SQ.FT.

NET FREE CROSS VENTILATION NEEDED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 17.46 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 = 8.73 SQ.FT.

GUARD RAIL NOTES

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 *quard*.

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.

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

2. *Guards* on the open sides of stairs shall not have openings which allow passage of a sphere 43/8 inches (111 mm) in diameter.

RIDGE VENT AS REQUIRED



RAIL AS NEEDED PER CODE

AS SPECIFIED

FRONT ELEVATION

SCALE 1/4" = 1'-0"

147 SQ.FT. 500 SQ.FT. 217 SQ.FT. RIDGE VENT AS REQUIRED SCREENED PORCH TOP OF PLATE $_{1}$ COMPOSITION $^{\perp}$ SHINGLES AS **6'-**WINDOW SUB FLOOR TOP OF PLATE SIDING AS-SPECIFIED-SUB FLOOR BRICK VENEER

REAR ELEVATION

SCALE 1/4" = 1'-0"

RAIL AS NEEDED

PER CODE

12/17/2020

50 Harnett

PURCHASER MUST VERIFY ALL IMENSIONS AND CONDITIONS SEFORE CONSTRUCTION BEGINS HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND PROCEDURES.

CODES AND CONDITIONS MAY DESIGNER, ARCHITECT OR NGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION,

THESE DRAWING ARE NSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

ELEVATIONS SINCLAIR REAR **∞**

FRONT

SQUARE FOOTAGE

1754 SQ.FT. 304 SQ.FT.

2058 SQ.FT.

HEĂTED

PLAYROOM

UNHEATED

FRONT PORCH

SQUARE FOOTAGE HEATED

FIRST FLOOR PLAYROOM TOTAL UNHEATED GARAGE SCREENED PORCH TOTAL

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CODES AND CONDITIONS MAY /ARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION.

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ELEVATIONS RIGHT

SINCLAIR 8 LEFT

 SQUARE FOOTAGE

 HEATED
 1754 SQ.FT.

 FIRST FLOOR
 304 SQ.FT.

 PLAYROOM
 304 SQ.FT.

 TOTAL
 2058 SQ.FT.

 UNHEATED
 147 SQ.FT.

 FRONT PORCH
 147 SQ.FT.

 GARAGE
 500 SQ.FT.

 SCREENED PORCH
 217 SQ.FT.

 TOTAL
 864 SQ.FT.

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SEE "FOUNDATION -

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.

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CODES AND CONDITIONS MAY DESIGNER, ARCHITECT OR GINEER SHOULD BE CONSULTED

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SLAB SINCL WALL

EΜ

SQUARE FOOTAGE TOTAL UNHEATED GARAGE SCREENED PORCH

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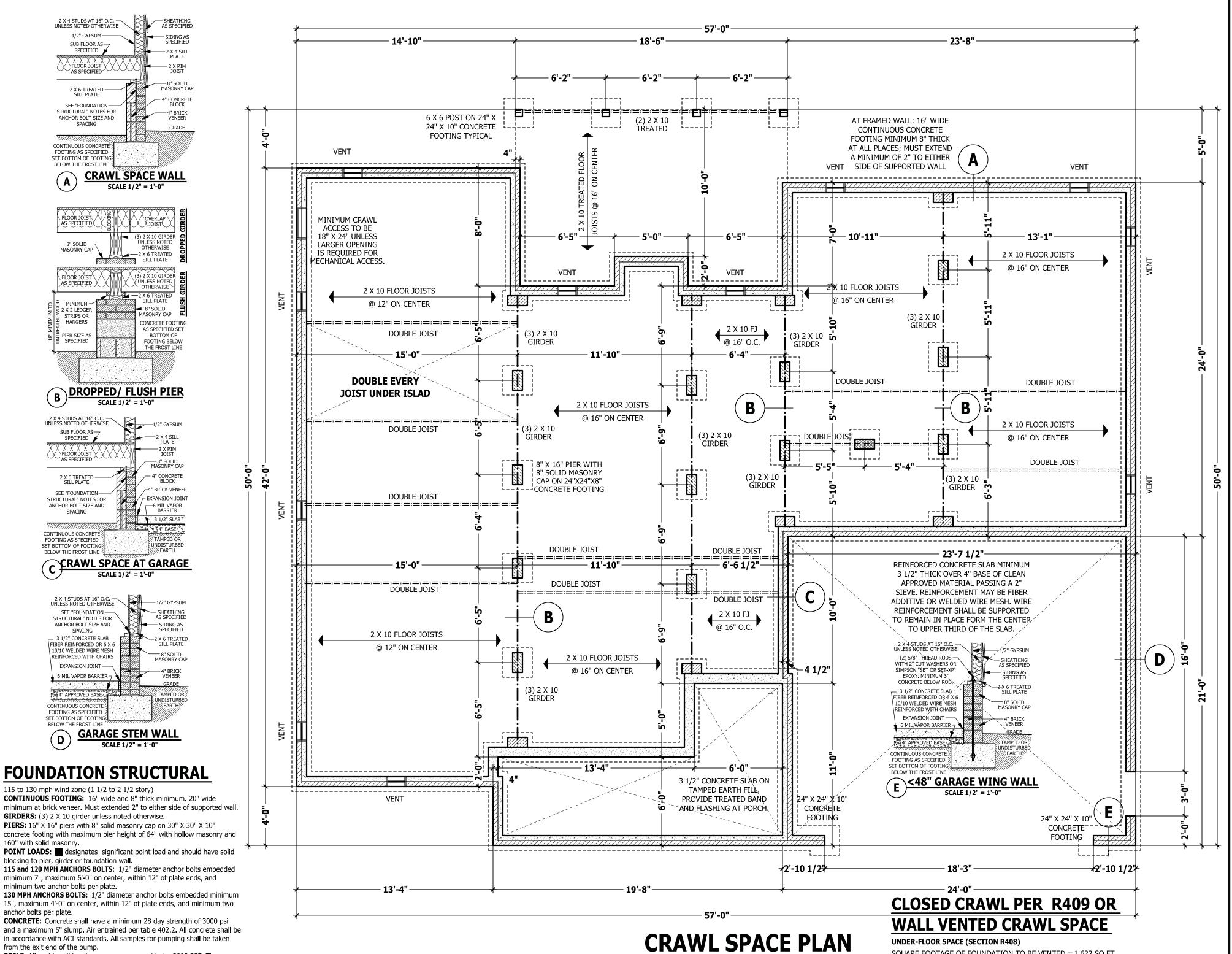
SOILS: Allowable soil bearing pressure assumed to be 2000 PSF. The

unsatisfactory subsurface conditions are encountered. The surface area

adjacent to the foundation wall shall be provided with adequate drainage,

contractor must contact a geotechnical engineer and a structural engineer if

and shall be graded so as to drain surface water away from foundation walls.



SCALE 1/4" = 1'-0"

SEFORE CONSTRUCTION BEGINS HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

PURCHASER MUST VERIFY ALL

CODES AND CONDITIONS MAY DESIGNER, ARCHITECT OR IGINEER SHOULD BE CONSULTED

BEFORE CONSTRUCTION. THESE DRAWING ARE NSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

Q SPACE SINCL **CRAWL**

SQUARE FOOTAGE TOTAL UNHEATED

GARAGE SCREENED PORCH

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SQUARE FOOTAGE OF FOUNDATION TO BE VENTED = 1,622 SQ.FT.

WITHOUT CROSS VENTILATION AREA OF VENTING NEEDED = 10.81 SQ.FT.

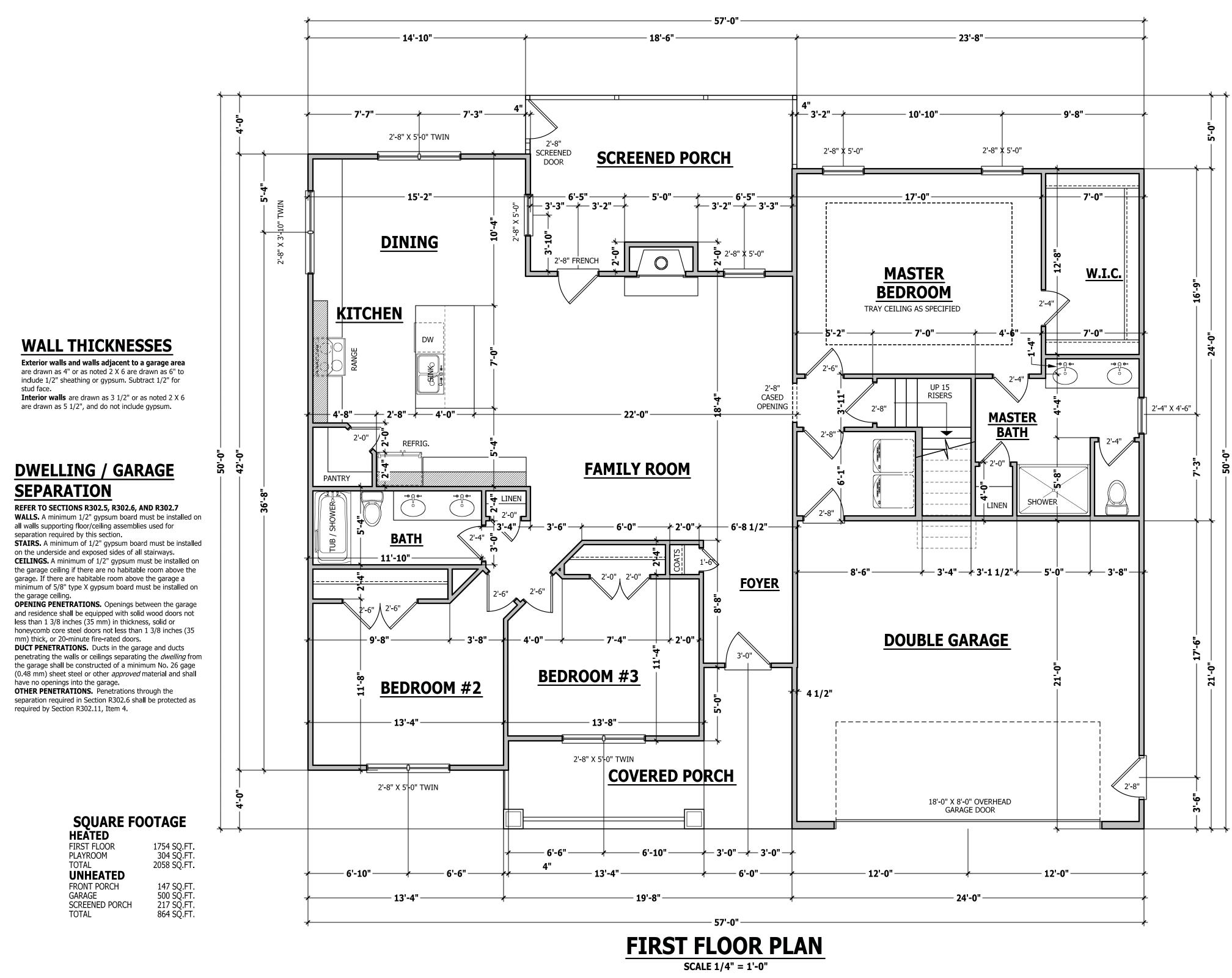
WITH CROSS VENTILATION AREA OF VENTING NEEDED = 5.41 SQ.FT.

NOTE: NUMBER OF VENTS NEED WILL VARY DEPENDING ON VENTS

USED AND CROSS VENTILATION.

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PURCHASER MUST VERIFY ALL
DIMENSIONS AND CONDITIONS
BEFORE CONSTRUCTION BEGINS.
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CONTRACTORS PRACTICES AND

PROCEDURES.

CODES AND CONDITIONS MAY
VARY WITH LOCATION. A LOCAL
DESIGNER, ARCHITECT OR

BEFORE CONSTRUCTION.
THESE DRAWING ARE
INSTRUMENTS OF SERVICE AND
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PROPERTY OF THE DESIGNER.

FIRST FLOOR PLAN

SINCLAIR

SIGNATIONE INC.

HOME PLANS, INC. 186, 401, 186

SQUARE FOOTAGE
HEATED
FIRST FLOOR 1754 SQ.FT
PLAYROOM 304 SQ.FT
TOTAL 2058 SQ.FT

TOTAL

UNHEATED

FRONT PORCH
GARAGE
SCREENED PORCH
TOTAL

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Haynes Home Plans, Inc.

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190501B

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liability for contractors 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	DEAD LOAD	DEFLECTION
USE	(PSF)	(PSF)	(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 other wise. **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 manufacturers 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 manufacture's specifications. Any change in truss or I-joist layout shall be coordinated with Haynes Homes 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 1/2" 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 it's 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 closets to the corner.

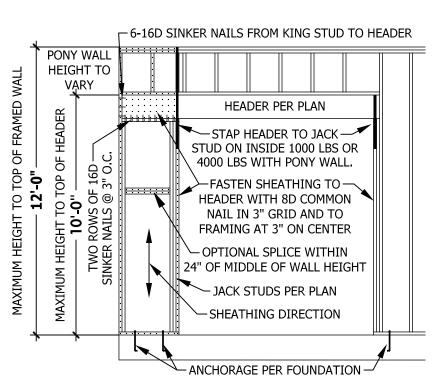
Methods Per Table R602.10.1

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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

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 cooler nails or #6 screws.

PF: Portal fame per figure R602.10.1



PORTAL FRAME AT OPENING

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

(2) 2 X 10

ROOF TRUSSES

BY MANUFACTURER

COVERED PORCH

H-4

FAMILY ROOM

BEDROOM #3

COVERED PORCH

(2) 2 X 10

H-6

PLACE BEAM OVER BEARING

PROVIDED BY COLUMN(S) AND

FURR BEAM AS DESIRED

← (H-3)

(2) SC

(H-2)

(H-3)

H-6

DINING

KITCHEN

BATH

BEDROOM #2

(H-6)

H-2

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. **Plate Heights & Floor Systems.** See elevation page(s) for plate heights and floor system thicknesses.

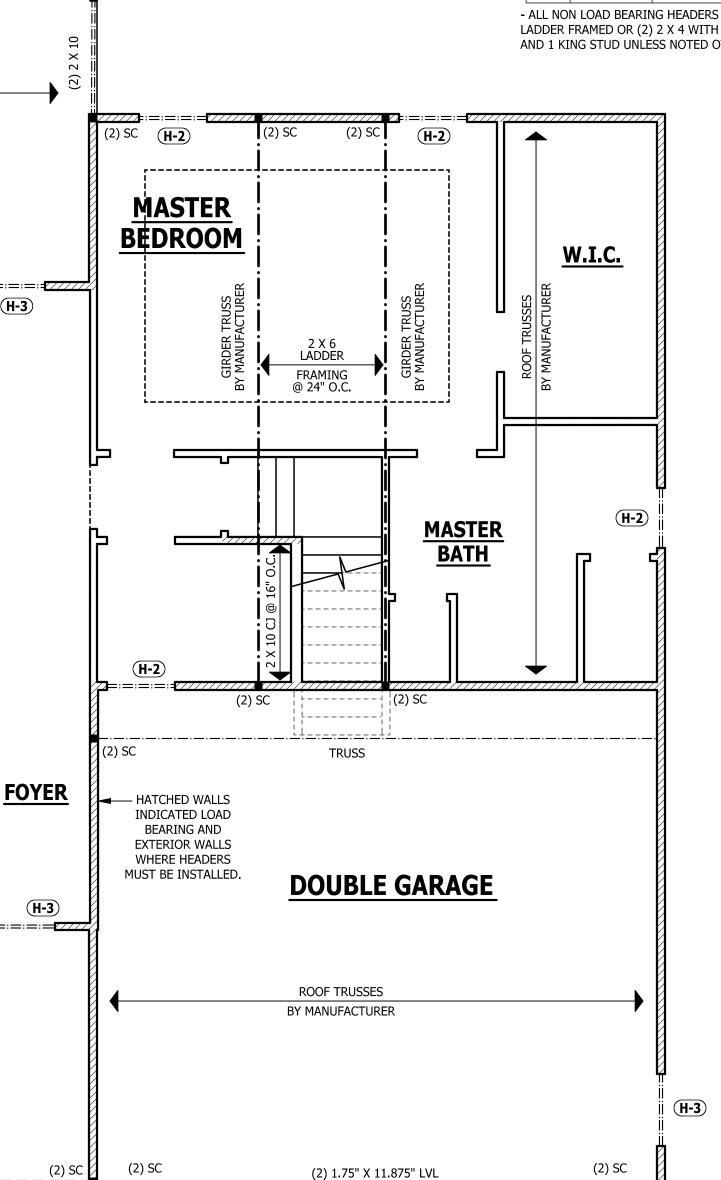
HEADER SCHEDULE

COMMON LOAD BEARING HEADERS

	SIZE:	COLUMNS:
H-1	(2) 2 X 4	1 JACK 1 KING
H-2	(2) 2 X 6	1 JACK 1 KING
H-3	(2) 2 X 8	1 JACK 1 KING
H-4	(2) 2 X 10	2 JACKS 1 KING
H-5	(2) 2 X 12	2 JACKS 1 KING
H-6	(2) 1.75" X	2 JACKS 1 KING
	9.25" LVL	

- ALL NON LOAD BEARING HEADERS TO BE LADDER FRAMED OR (2) 2 X 4 WITH 1 JACK AND 1 KING STUD UNLESS NOTED OTHERWISE.

PF



FIRST FLOOR STRUCTURAL

PF

SCALE 1/4" = 1'-0"

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STRUCTURAL SINCLAIR FLOOR

FIRST

SQUARE FOOTAGE HEĂTED TOTAL UNHEATED FRONT PORCH

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SCREENED PORCH TOTAL

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Inc. assumes no liability for contractors 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

DESIGN LOADS	LIVE LOAD	DEAD LOAD	DEFLECTIO
USE	(PSF)	(PSF)	(LL)
Attics without storage	10	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

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 manufacturers 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 manufacture's specifications. Any change in truss or I-joist layout shall be coordinated with Haynes Homes Plans, Inc. **LINTELS:** Brick lintels shall be 3 1/2" x 3 1/2" x 1/4" steel 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 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.

HEADER SCHEDULE

COMMON LOAD BEARING HEADERS

	SIZE:	COLUMNS:
H-1	(2) 2 X 4	1 JACK 1 KING
H-2	(2) 2 X 6	1 JACK 1 KING
H-3	(2) 2 X 8	1 JACK 1 KING
H-4	(2) 2 X 10	2 JACKS 1 KING
H-5	(2) 2 X 12	2 JACKS 1 KING
H-6	(2) 1.75" X 9.25" LVL	2 JACKS 1 KING

- ALL NON LOAD BEARING HEADERS TO BE LADDER FRAMED OR (2) 2 X 4 WITH 1 JACK AND 1 KING STUD UNLESS NOTED OTHERWISE.

ROOF TRUSS REQUIREMENTS

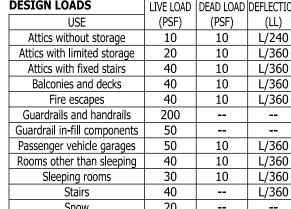
TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plan, Inc. attention before construction begins. **ANCHORAGE.** All required anchors for trusses due to uplift or bearing shall meet the requirements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

ledgers unless noted otherwise. **Plate Heights & Floor Systems.** See elevation page(s) for plate heights

and floor system thicknesses.

be construed to supersede the code. JOB SITE PRACTICES AND SAFETY: Haynes Home Plans,

the building code.

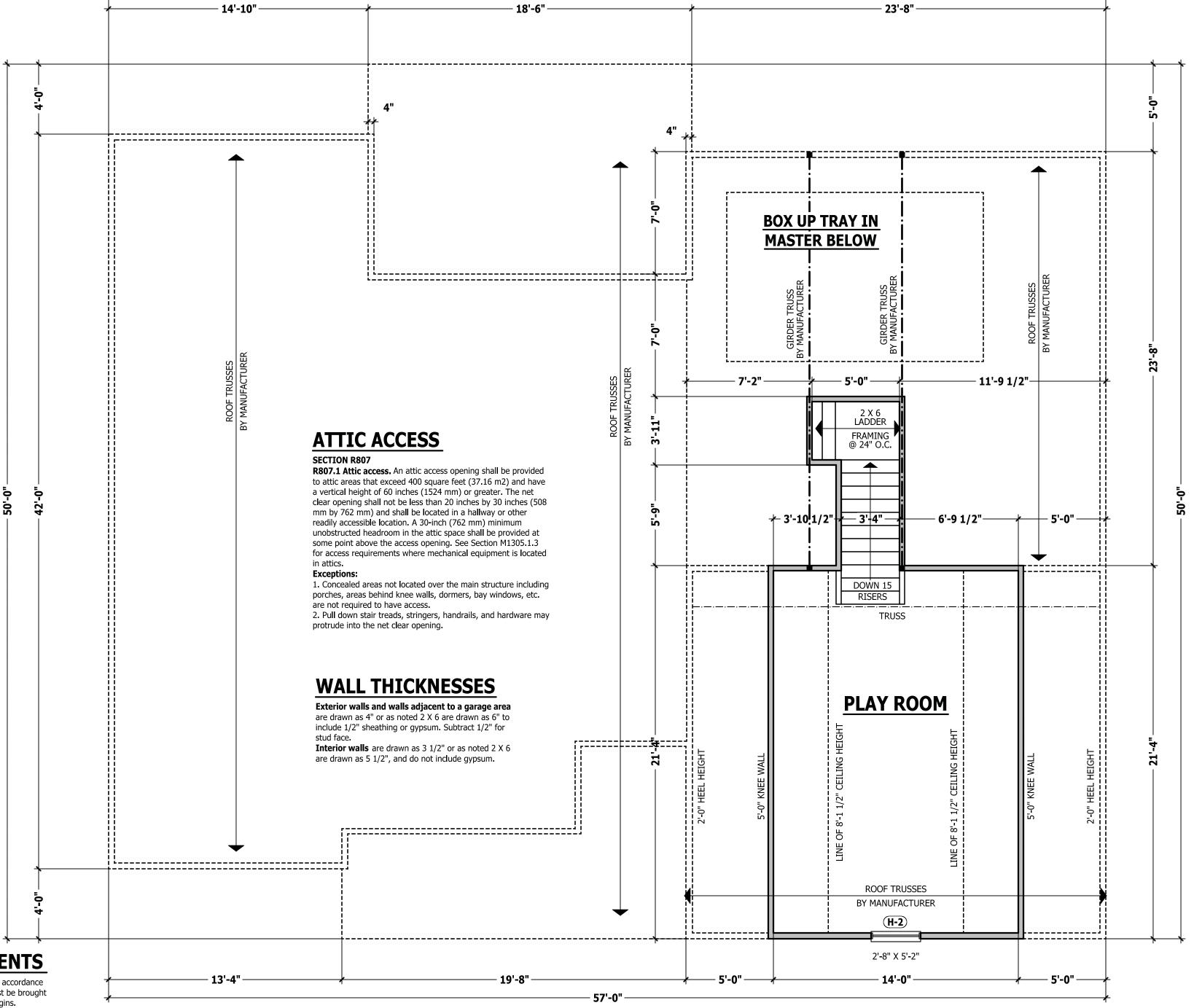


be SPF #2 (Fb = 875 PSI) or SYP #2 (Fb = 750 PSI) and all treated lumber shall be SYP #2 (Fb = 750 PSI) unless noted other wise.

ENGINEERED WOOD BEAMS:

Laminated veneer lumber (LVL) = Fb=2600 PSI, Fv=285 PSI, E=1.9x106 PSI

angle for up to 6'-0" span. 6" x 4" x 5/16" steel angle with 6" 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"



SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

SEFORE CONSTRUCTION BEGINS HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

PROCEDURES. CODES AND CONDITIONS MAY ARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR IGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION,

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> **PLAN** FLOOR

SINCLAIR

COND

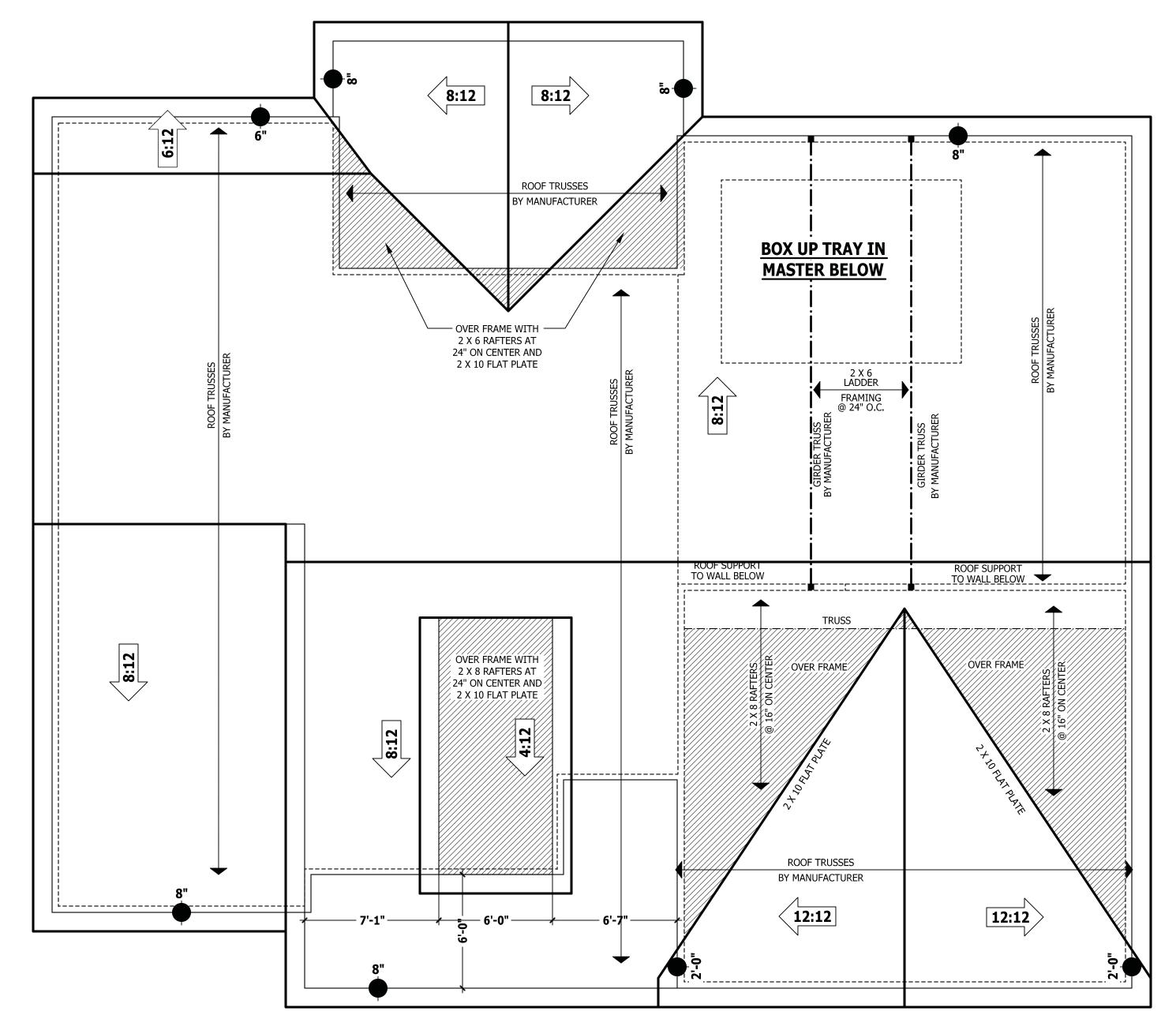
SQUARE FOOTAGE HEĂTED FIRST FLOOR PLAYROOM TOTAL UNHEATED GARAGE SCREENED PORCH TOTAL

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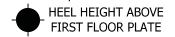


ROOF TRUSS REQUIREMENTS

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. 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 reasonability 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.





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

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE CONSTRUCTION BEGINS HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

CODES AND CONDITIONS MAY ARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR NGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION. THESE DRAWING ARE

NSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

SINCLAIR **ROOF PLAN**



SQUARE FOOTAGE HEATED FIRST FLOOR PLAYROOM

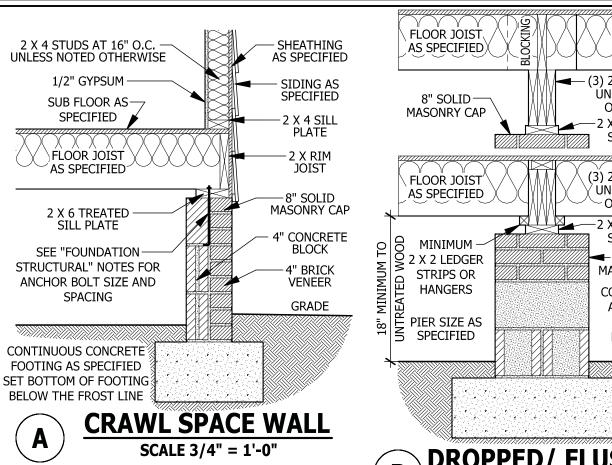
TOTAL **UNHEATED** FRONT PORCH GARAGE SCREENED PORCH TOTAL

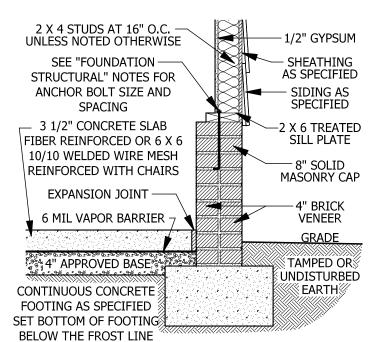
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GARAGE STEM WALL

SCALE 3/4" = 1'-0"



DECK STAIR NOTES

SECTION AM110

AM110.1 Stairs shall be constructed per Figure AM110. Stringer spans shall be no greater than 7 foot span between supports. Spacing between stringers shall be based upon decking material used per AM107.1. Each Stringer shall have minimum 3 1/2 inches between step cut and back of stringer. If used, suspended headers shall shall be attached with 3/8 inch galvanized bolts with nuts and washers to securely support stringers at the top.

DECK BRACING

SECTION AM109

AM109.1 Deck bracing. Decks shall be braced to provide lateral stability. The following are acceptable means to provide lateral stability.

AM109.1.1. When the deck floor height is less than 4'-0" above finished grade per Figure AM109 and the deck is attached to the structure in accordance with Section AM104, lateral bracing is not required.

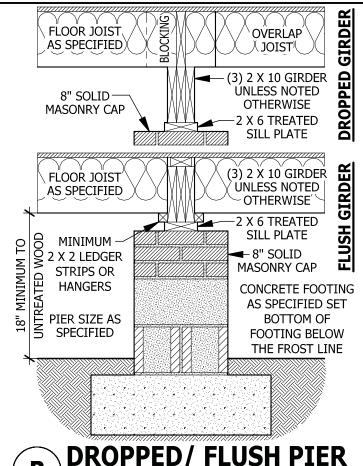
AM109.1.2. 4 x 4 wood knee braces may be provided on each column in both directions. The knee braces shall attach to each post at a point not less than 1/3 of the post length from the top of the post, and the braces shall be angled between 45 degrees and 60 degrees from the horizontal. Knee braces shall be bolted to the post and the girder/double band with one 5/8 inch hot dipped galvanized bolt with nut and washer at both ends of the brace per Figure AM109.1

AM109.1.3. For freestanding decks without knee braces or diagonal bracing, lateral stability may be provided by embedding the post in accordance with Figure AM109.2 and the following:

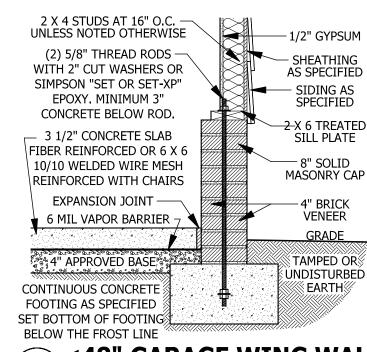
	POST SIZE	MAX TRIBUTARY AREA	MAX. POST HEIGHT	EMBEDMENT DEPTH	CONCRETE DIAMETER
	4 X 4	48 SF	4'-0"	2'-6"	1'-0"
	6 X 6	120 SF	6'-0"	3'-6"	1'-8"
A14400 4 4 0 C Provide					

AM109.1.4. 2 x 6 diagonal vertical cross bracing may be provided in two perpendicular directions for freestanding decks or parallel to the structure at the exterior column line for attached decks. The 2 x 6's shall be attached to the posts with one 5/8 inch hot dipped galvanized bolt with nut and washer at each end of each bracing member per Figure AM109.3.

AM109.1.5. For embedment of piles in Coastal Regions, see Chapter 45.



DROPPED/ FLUSH PIER SCALE 3/4'' = 1'-0''





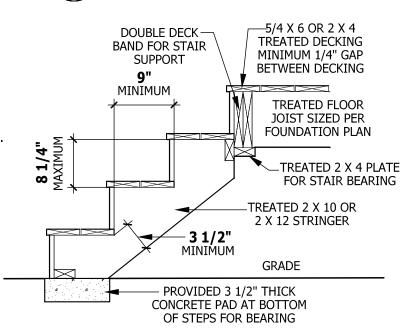


FIGURE AM110 **TYPICAL DECK STAIR DETAIL**

SCALE 3/4" = 1'-0"

STONE VEENER

AS SPECIFIED

VAPOR BARRIER

-WEEP SCREED

MINIMUM 4" TO

GROUND OR 2"

∠TO PAVEMENT

GRADE

SHEATHING +

AS SPECIFIED

LATH-

SEE FOUNDATION

FOR FOUNDATION

DETAILS

WEEP SCREED

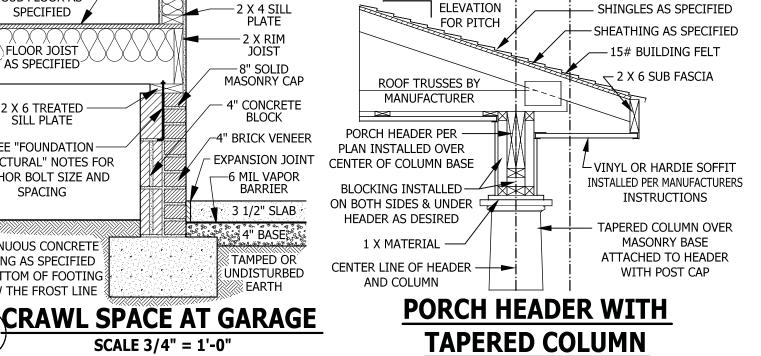
SCALE 3/4" = 1'-0"

WEEP SCREEDS

All weep screeds and stone veneer to be installed per manufactures instructions and per the 2012 North Carolina Residential Building code.

R703.6.2.1 - A minimum 0.019-inch (0.5 mm) (No. 26 galvanized sheet gage), corrosion-resistant weep screed or plastic weep screed, with a minimum vertical attachment flange of 31/2 inches (89 mm) shall be provided at or below the foundation plate line on exterior stud walls in accordance with ASTM C 926. The weep screed shall be placed a minimum of 4 inches (102 mm) above the earth or 2 inches (51 mm) above paved areas and shall be of a type that will allow trapped

water to drain to the exterior of the shall cover and terminate on the attachment flange of the weep screed.



EDGED OR PORCH FLOOR

SEE ROOF

PLAN OR

SCALE 3/4" = 1'-0"

FLOOR JOIST AS SPECIFIED ROWLOCK TRUCTURAL" NOTES FOR - 8 X 16 VEN 8" CONCRETE BLOCK GRADE TAMPED OR CONTINUOUS CONCRETE SET BOTTOM OF FOOTING FILLED PORCH SECTION WITH VENT

—1/2" GYPSUM

- 2 X 4 SILL

- 2 X RIM

JOIST

-8" SOLID

MASONRY CAP

4" CONCRETE

BLOCK

-4" BRICK VENEER

- EXPANSION JOINT

-6 MIL VAPOR

BARRIER

3 1/2" SLAB

្ទ្រឹ 4" BASE

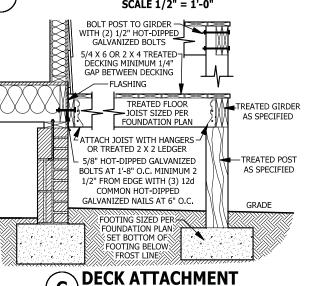
TAMPED OR

UNDISTURBED

- COBBLED BRICK

FOR SLAB SUPPORT

PLATE



SCALE 1/2" = 1'-0"

SCALE 3/4" = 1'-0"

-2 X 4 SOLE PLATE

FLASHING MINIMUM 16" WIDE

3 1/2" CONCRETE SLAB

SMOKE ALARMS

2 X 4 STUDS AT 16" O.C.

UNLESS NOTED OTHERWISE

SUB FLOOR AS-

SPECIFIED

FLOOR JOIST

AS SPECIFIED

2 X 6 TREATED SILL PLATE

SEE "FOUNDATION

STRUCTURAL" NOTES FOR

ANCHOR BOLT SIZE AND

SPACING

CONTINUOUS CONCRETE[®]

FOOTING AS SPECIFIED

SET BOTTOM OF FOOTING

BELOW THE FROST LINE

2 X TREATED— HOUSE BAND

SUB FLOOR AS -

SPECIFIED

R314.1 Smoke detection and notification. All smoke alarms shall be listed in accordance with UL 217 and installed in accordance with the provisions of this code and the household fire warning

equipment provisions of NFPA 72. **R314.2 Smoke detection systems.** Household fire alarm systems installed in accordance with NFPA 72 that include smoke alarms, or a combination of smoke detector and audible notification device installed as required by this section for smoke alarms, shall be permitted. The household fire alarm system shall provide the same level of smoke detection and alarm as required by this section for smoke alarms. Where a household fire warning system is installed using a combination of smoke detector and audible notification device(s), it shall become a permanent fixture of the occupancy and owned by the homeowner. The system shall be monitored by an approved supervising station and be maintained in accordance with

NFPA 72. **Exception:** Where smoke alarms are provided meeting the requirements of Section R314.4.

R314.3 Location. Smoke alarms shall be installed in the following locations:

1. In each sleeping room.

2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.

3. On each additional story of the dwelling, including basements and habitable attics (finished) but not including crawl spaces, uninhabitable (unfinished) attics and uninhabitable (unfinished) attic-stories. In *dwellings* or *dwelling units* with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

When more than one smoke alarm is required to be installed within in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit.

R314.4 Power source. Smoke alarms shall receive their primary power from the building wiring when such wiring is served from a building. The weather-resistant barrier shall commercial source, and when primary power is interrupted, shall lap the attachment flange. The exterior lath receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection. Smoke alarms shall be interconnected.

CARBON MONOXIDE ALARMS

R315.1 Carbon monoxide alarms. In new construction, dwelling units shall be provided with an approved carbon monoxide alarm installed outside of each separate sleeping area in the immediate vicinity of the bedroom(s) as directed by the alarm manufacturer

R315.2 Where required in existing dwellings. In existing dwellings, where interior alterations, repairs, fuel-fired appliance replacements, or additions requiring a permit occurs, or where one or more sleeping rooms are added or created, carbon monoxide alarms shall be provided in accordance with Section

R315.3 Alarm requirements. The required carbon monoxide alarms shall be audible in all bedrooms over background noise levels with all intervening doors closed. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

STAIRWAY NOTES

R311.7.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2032 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the

landing or platform on that portion of the stairway. **R311.7.4 Stair treads and risers.** Stair treads and risers shall meet the requirements of this section. For the purposes of this section all dimensions and dimensioned surfaces shall be exclusive of carpets, rugs or runners. R311.7.4.1 Riser height. The maximum riser height shall be 8 1/4 inches (210 mm). The riser shall be measured vertically between leading edges of

the adjacent treads. R311.7.4.2 Tread depth. The minimum tread depth shall be 9 inches (229) mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. Winder treads shall have a minimum tread depth of 9 inches (229 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 4 inches (102 mm) at any point.

R311.7.4.3 Profile. The radius of curvature at the nosing shall be no greater than 9/16 inch (14 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4 inches (32 mm) shall be provided on stairways with solid

R311.7.7 Handrails. Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

R311.7.7.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm)and not more than 38 inches (965 mm). **Exceptions:**

1. The use of a volute, turnout or starting easing shall be allowed over the lowest tread.

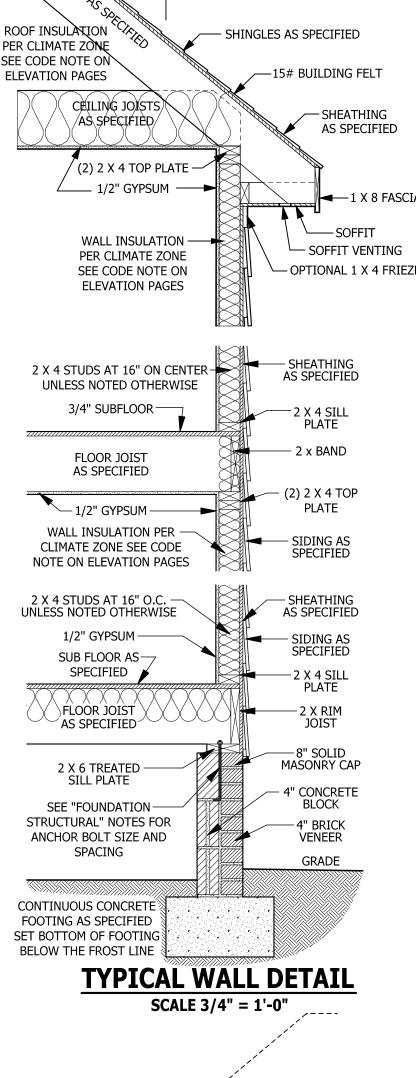
2. When handrail fittings or bendings are used to provide continuous transition between flights, the transition from handrail to guardrail, or used at the start of a flight, the handrail height at the fittings or bendings shall be permitted to exceed the maximum height.

R311.7.7.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails an individual *dwelling* unit the alarm devices shall be interconnected adjacent to a wall shall have a space of not less than 11/2 inch (38 mm) between the wall and the handrails.

Exceptions

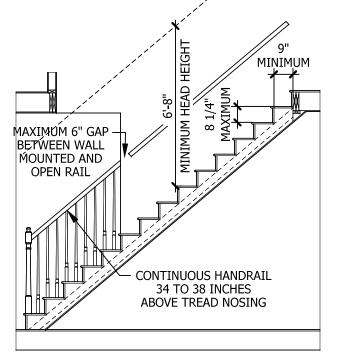
1. Handrails shall be permitted to be interrupted by a newel post. 2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

3. Two or more separate rails shall be considered continuous if the termination of the rails occurs within 6 inches (152 mm) of each other. If transitioning between a wall-mounted handrail and a guardrail/handrail, the wall-mounted rail must return into the wall.



PITCH PER ROOF PLAN

OR ELEVATIONS



TYPICAL STAIR DETAIL

SQUARE FOOTAGE 1754 SQ.FT 304 SQ.FT 2058 SQ.FT LAYROOM TOTAL UNHEATED RONT PORCH GARAGE SCREENED PORCH © Copyright 2019

PURCHASER MUST VERIFY ALL

EFORE CONSTRUCTION BEGINS

HAYNES HOME PLANS, INC.

ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND

PROCEDURES.

CODES AND CONDITIONS MAY

DESIGNER, ARCHITECT OR

BEFORE CONSTRUCTION.

THESE DRAWING ARE

NSTRUMENTS OF SERVICE AND

AS SUCH SHALL REMAIN

PROPERTY OF THE DESIGNER.

DETAIL

TYPICAL

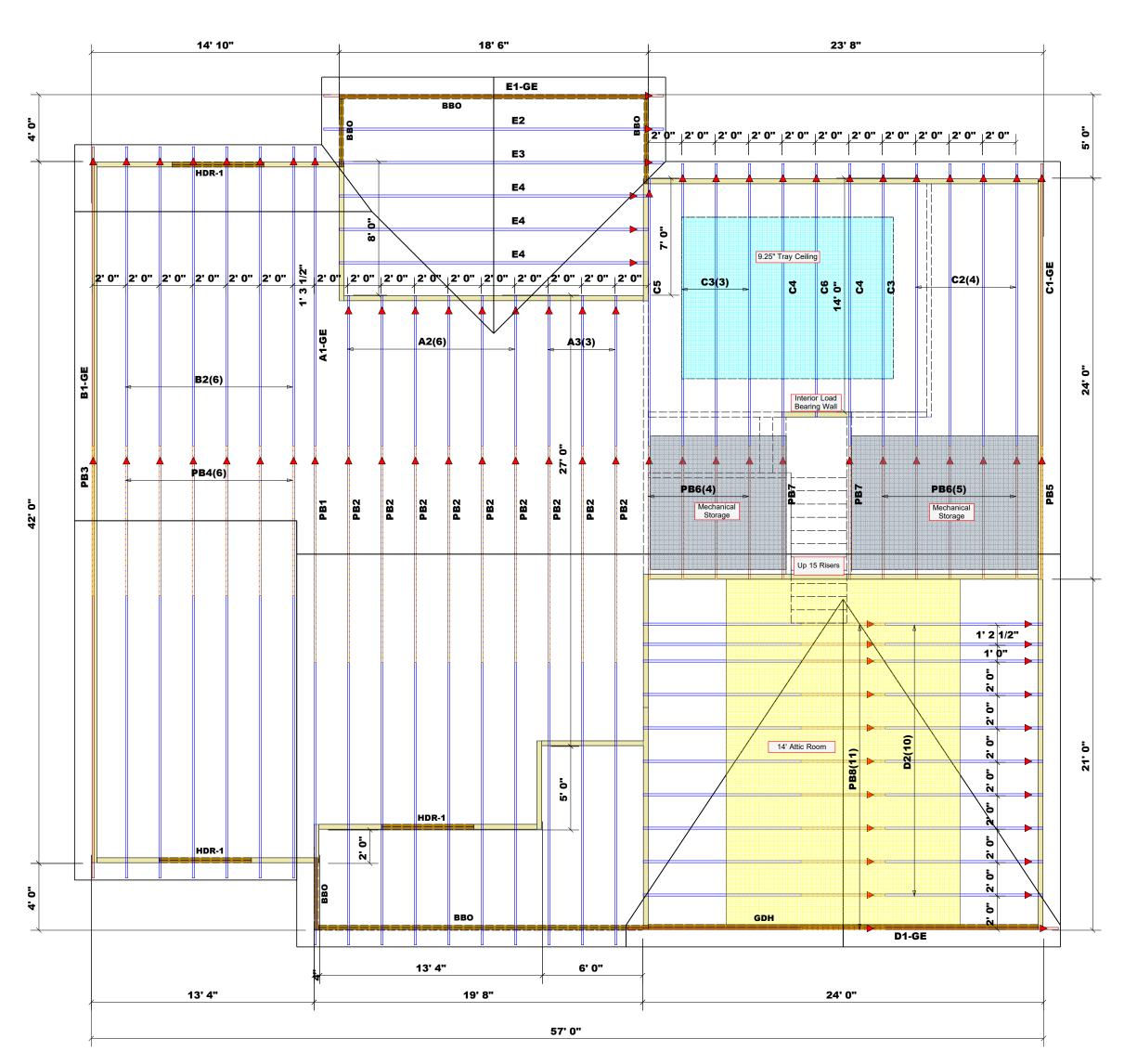
SINCL

ARY WITH LOCATION. A LOCAL

IGINEER SHOULD BE CONSULTED

Haynes Home Plans, Inc. 5/2/2019 190501B

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		BEAM SCHEDULE		
PlotID	Length	Product	Plies	Net Qty
HDR-1	6' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	6
GDH	24' 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

▲ = Indicates Left End of Truss (Reference Engineered Truss Drawing) Do Not Erect Trusses Backwards

Dimension	Note

1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise 2. All interior wall dimensions are to face of stud unless noted otherwise

3. All exterior wall to truss dimensions are to face of stud unless noted otherwise

соттесн
ROOF & FLOOR
TRUSSES & BEAMS

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

Sales Area

LOAD CHART FOR JACK STUDS (BASED ON TABLES R502.5(1) & (b))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

3400 1 1700 1 2550 1 3400 2 6800 2 5100 2 5100 3 7650 3 10200 3 6800 4 10200 4 13600 4 8500 5 12750 5 17000 5 10200 6 15300 6 11900 7 13600 8 15300 9

Anthony Williams Anthony Williams 57 DRAWN BY ADDRESS COUNTY

Signature Home Builders Sinclair 5/2/19 57 JOB NAME SEAL DATE BUILDER

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

Z

QUOTE

Truss Placement Plan SCALE: 3/16" = 1'-0"