AIR LEAKAGE

N1102.4.1 Building thermal envelope. The building thermal

envelope shall be durably sealed with an air barrier system to limit inflitration. 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

Capping and sealing shafts or chases, including flue shafts.

material consistent with Appendix E-2.4 of this code: Blocking and sealing floor/ceiling systems and under knee walls open to unconditioned or exterior space.

3. Capping and sealing soffit or dropped ceiling areas

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

MEAN ROOF HEIGHT 25'-8	HEIGHT TO RIDGE 30'-0		
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 30d	38 or 30cl	38 or 30c
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

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

COMPONENT	& CLA	DDING	DESIG	NED FO	OR THE	FOLLO	WING	LOADS
MEAN ROOF	UP 1	O 30'	30'-1"	TO 35'	35'-1"	TO 40'	40'-1"	TO 45'
ZONE 1								
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	15.3	-16.8	16.9	-17.4	17.4	-17.9
ZONE 5	15.5	-20.0	15.3	-21.0	16.9	-21.8	17.4	-22.4

DESIGNED FOR WIN COMPONENT								
MEAN ROOF								
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
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

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 stain have duss verialization of each separate space by verificating opening 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 doth 1/4 incl. (6.4 mm) shall be provided with corrosion-resistant wire doth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 incn (1.6 mm) minimum and 1/4 inch (6.4 mm) maximum. Openings in roof framing members shall conform to the requirements of Section 880.7. 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 trail area in 1/100 is correited consolidations.

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 comice 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.

exceptions:

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 = 1558 SQ.FT. NET FREE CROSS VENTILATION NEEDED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 10.39 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 = 5.16 SO.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 lodge 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.

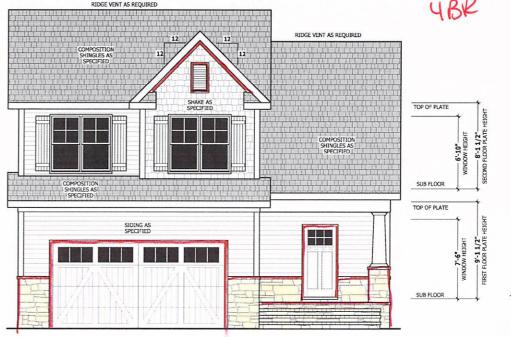
2. Where the top of the guard also serves as a handrail on the open sides of stairs, the top of the guard shall not be not less than 34 inches (864 mm) and not more than 38 inches (965 mm) measured vertically from a line connecting the leasting address of the tread-of-

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.

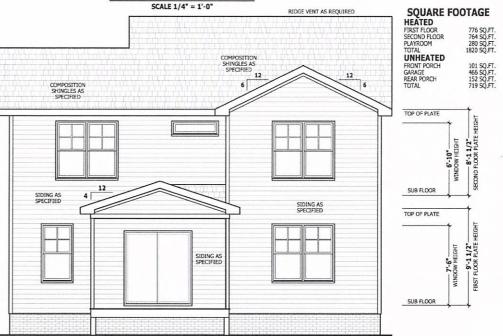
1. The triangular openings at the open side of a stair, formed by the riser, tread and bottom rall of a guard, shall not allow passage of a sphere 6 inches (153

2. Guards on the open sides of stairs shall not have openings which allow passage of a sphere 4 3/8 inches (111 mm) in diameter



FRONT ELEVATION

DATE AS NEEDED



REAR ELEVATION SCALE 1/4" = 1'-0"

CODES AND CONDITIONS MAY VARY WITH LOCATION, A LOCA DESIGNER, ARCHITECT OR NGINEER SHOULD BE CONSULT BEFORE CONSTRUCTION. THESE DRAWING ARE INSTRUMENTS OF SERVICE AN

AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER

ELEVATIONS GASTON & REAR 里 FRONT

SQUARE FOOTAGE HEATED 775 SQ FT 764 SQ FT 280 SQ FT 1820 SQ FT UNHEATED FRONT PORCH

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HOME PO BUTO WE TOTAL

SCALE 1/4" = 1'-0"

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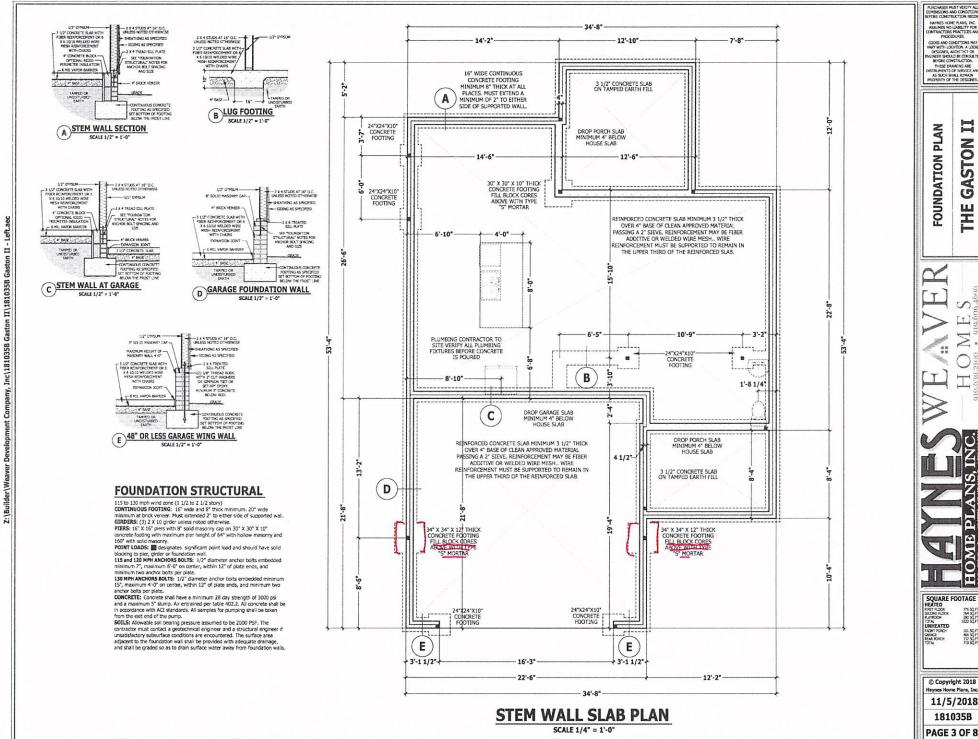
PLAN I SLAB GASTON

MONOLITHIC THE

SQUARE FOOTAGE 101 SOFT. 102 SOFT. 102 SOFT. 713 SOFT.

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PURCHASER MUST VERIFY AL DIMENSIONS AND CONDITION BEFORE CONSTRUCTION BEGI HAYNES HOME PLANS, INC. ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AN PROCEDURES.

CODES AND CONDITIONS HAY WARY WITH LOCATION. A LOCA DESIGNER, ARCHITECT OR RIGINER SHOULD BE CONSULT BEFORE CONSTRUCTION.

THESE DRAWING ARE INSTRUMENTS OF SERVICE AN AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER.

GASTON 里上

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HOM PO. Box 702, WA

SQUARE FOOTAGE
HEATED
FIST HOOK 75 SQFF.
SCHOOL FLOOR 75 SQFF.
HEATED
LINHEATED
FRONT FORCH
GRAGE 46 SQFF.
GRAGE 46 SQFF.
GRAGE 46 SQFF.
GRAGE 46 SQFF.
TOTAL 73 SQFF.

Haynes Home Plans, Inc. 11/5/2018 181035B

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ATTIC ACCESS

SECTION REO7

SECTION RED? RED; and RED; access opening shall be provided to act; areas that exceed 400 square forc (37.16 m) got end of a vertical height of 60 inches (15.96 mm) or greator. The net door opening shall not be less than 20 inches by 30 inches (500 mm by 782 mm) and shall be located in a habitary or accessible location. A 30-inch (762 mm) minimum contents are subjected as a facility or accessible location. A 30-inch (762 mm) minimum contents are subjected as a facility or accessible location. A 30-inch (762 mm) minimum contents are subjected as a facility of the subject and subject as a facility of the subject as a fa 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. Concesied 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 treeds, stringers, handralls, and hardware may

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° shouthing or gypsum. Subtract 1/2° for Enterior 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

MALLS. A minimum 1/2" gypsum board must be installed on all waits supporting floor/celling assembles used for separation required by this section. STAIRS. A minimum of 1/2" gypsum board must be installed on the underside and

STABLES, A minimum in July "gypsum coera misor de issaesco on me underside en exposed sides of all stainways.

CELIDIOS, A misimum of 127 ypsum must be installed on the graspe celling if there are no habitable room above the garage. If there are habitable room above the garage is minimum of 5;6" typs X gypsum board must be installed on the garage celling.

OPELIUM OPELINATIONS. Openings between the garage and residence shall be equipped with sold wood doors not less than 1.3% bricks (35 mm) in thisiness, sold or hope certain control of the state 1.3% bricks (35 mm) in thisiness, sold or hope certain control of the state 1.3% of these (35 mm) this the 20 fluxions.

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 cellings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved instealal 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.

EXTERIOR WINDOWS AND DOORS

SECTION R612 R612.1 General. This section prescribes perf NALEAL Senters. In section processes performance are consciousnesses received without an accordance with the forestration manufacturer's written installation instructions. Windows and doors consider with the forestration manufacturer's written installation instructions. Window and door openings shall be fashed in accordance with Section R703.8. Written installation instructions shall be provided by the forestration manufacturer for each window

installation instructions shall be provided by the fencistration manufacturer for each window or door. RS312.3 Window stills, in olivering units, where the opening of an operable window is RS312.4 Window stills, an olivering units, where the firstend grade or surface below, the lowest part of the clear operating of the window shall be a minimum of 24 fectors (610 mm) share the firstend floor of the recording shall be a minimum of 24 fectors (610 mm) share the firstend floor of the recording shall be a minimum of 24 fectors (610 mm) above the firstend proof the provings that because within 34 fectors (610 mm) of the firstend floor. Exceptions:

1. Windows whose openings will not allow a 4-fector dismeter (020 mm) sphere to pass through the committee with the first of the first opening shall be sufficient to the first of the first opening shall be sufficient to the first opening the first opening when the opening is in its largest opening obstitute.

through the opening when the opening is in its largest opened position.

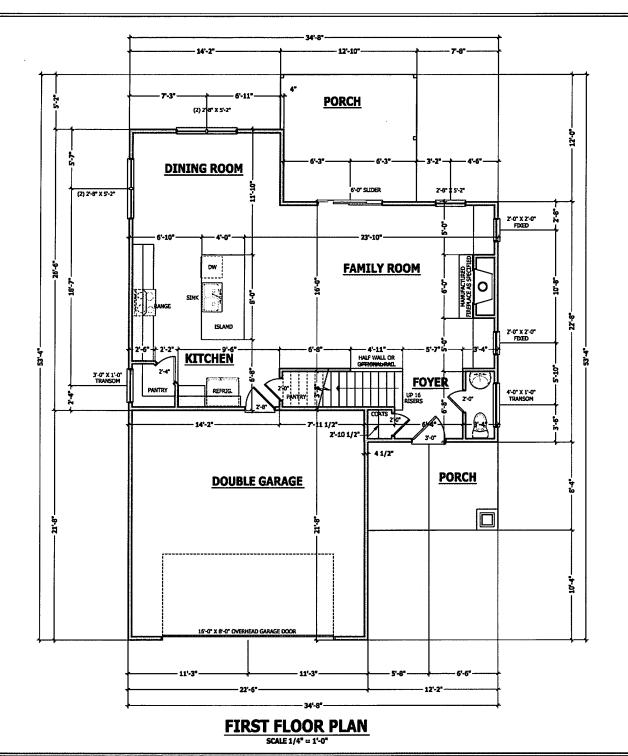
2. Openings that are provided with window risk prevention devices that comply with Section RS12.3.

3. Operands that are provided with fall prevention devices that comply with ASTM F 2090. Updates that are provided with rais prevention devices that comply with As I H F 290.

 Windows that are provided with opening limiting devices that comply with Section R512.4.

R512.3 Window fall prevention devices. Window fall prevention devices and window guards, where provided, shall comply with the requirements of ASTM F 2090.

SQUARE FOOTAGE HEATED FIRST FLOOR 776 SQ.FT. 764 SQ.FT. 280 SQ.FT. 1820 SQ.FT. SECOND FLOOR PLAYROOM TOTAL UNHEATED FRONT PORCH GARAGE 101 SQ.FT. 466 SQ.FT. 152 SQ.FT. 719 SQ.FT. REAR PORCH



HAYNES HONE PLANS, PIC.
ASSUMES NO LEARLETY FOR
DINTRACTORS PRACTICES AN
PROCEDURES.

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SQUARE FOOTAGE

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121 SC FT. 445 SC FT. 122 SC FT. 775 SC FT.

UNIKEATED

PLAN

FLOOR

FIRST

STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 North Cerotina Residential Building Code, pix 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 EabRy for contractors practices and procedures or safety program. Haynos Home Plans, Inc. takes no responsibility for the contractor's feature to carry out the construction work in accordance with the contract documents. All members shell be framed, enchanced, and braced in accordance with good construction practice and the building code.

DESIGN LOADS	LIVE LOAD	DEAD LOAD	DEFLECTION
USE	(PSF)	(PSF)	(u)
Attics without storage	10		1/240
Attics with limited storage	20	10	L/360
Attics with fixed stairs	40	10	L/360
Blakconies and decks	40	10	L/360
Fire escapes	40	10	L/360
Guardrails and handrails	200	-	_
Guardraff In-fit! components	50	-	-
Pessenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	1/360
Sleeping rooms	30	10	L/360
Stairs	40	-	1/360
Some	20	-	-

FRANCING LUMBER: All non treated framing lumber shall be SPF #2 (Fb = 575 PSI) or SYP #2 (Pb = 750 PSI) and all treated (umber shall be SYP #2 (Fb = 750 PSI) unless noted other wise.
ENGINEERED WOOD BEAMS:

Environment veneer lumber (LVL) = Fb=2500 PSI, Fv=285 PSI, E=1.9x109 PSI
Peratilel strand lumber (FSL) = Fb=2900 PSI, Fv=290 PSI, E=2.0x109 PSI
Laminated strand lumber (LSL) Fb=2250 PSI, Fv=400 PSI, E=1.55x109 PSI

Install all connections per manufacturers instructions.
TRUSS AND I-JOIST NEMBERS: All roof truss and I-joist layouts shall be prepared in accordance with this document. Trusses and 1-joists shall be installed according to the manufacture's specifications. Any change in truss or 1-joist layout shall be coordinated with Haynes Homes Plans, Inc. LINTELS: Brick linces shall be 3 1/2" x 1/2" x 1/4" stock angle for up to LINTELS: Brick Intries shall be 3 1/2" x 3 1/2" x 1/4" stock enjet for up to 6"0" span. 6" x "4" x 5/18" size alley with 6" for gentral fer spans up to 9"0" unless noticed otherwise. 3 1/2" x 3 1/2" x 1/4" sood enjet with 1/2" both at 2"-0" on contair fer spans up to 16"0" unless noted otherwise. FLUORA SHEATHING: OSB or CDX floor sheathing inflations 1/2" thick for 16"0 on contair size spansing, million 35" thick for 19.3" on contair jets spansing, and inflational 1/4" thick for 2" on contair jets spansing, and inflational 1/4" thick for 2" on contair jets spansing. STOCK sheathing inflational 3"0" thick. CONCRETE AND SOLLS: See foundation notes.

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. EXEE WALL AND CELLING HEIGHTS. All finished knee wall heights and which was Auth Carlo.

Carlon heights are shown furned down 10" from one decising for insulation. If for any reason the trust manufacture falls to meet or insulation. If for any reason the trust manufacture falls to meet or exceed designated node heights, farford inser wall heights afternoon on these drawings the firsthed season feedings may any discrepany must be brought to highers them. Plant, Tinc. attention, so a suitable solution can be reached before construction begins. Any variation due to these conditions not being met is the mahility of the trust manufacturer

UNCHORAGE. All required anchors for trusses due to uptift or bearing shall meet the requirements as specified on the truss schematics. BEARCHG. All trusses shall be designed for bearing on SPF #2 plates or lodgers unless noted otherwise. Plate Heights & Floor Systems. See elevation page(s) for plate heights

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 LADOER FRAMED OR (2) 2 X 4 WITH 1 JACK AND 1 KING STUD UNLESS NOTED OTHERWISE.

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.

noted otherwise.

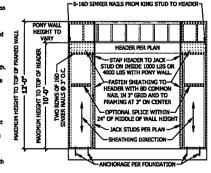
6795-881: All introfer sides of exterior wells and both sides interior wells to have 1,27° gypsum installed. When not using method GB gypsum to be fastened per toble 1702-3.5. Hethod GB to be fastened per toble 8,002.10.1.

REQUIRDE LIESHEM OF BRACHERS Required brace well length for each side of the chromosofted rectangle are interpolated per toble 8,002.10.1. Hethod CS-MSP and CS-STP contributed

per table NeULALUA. Hearnest Levier and Levier Committee of Si it's actual length. Method PF contributes 1.5 times its actual length. Method PF contributes 1.5 times its actual length. Mith 800 lbs hold down hold down device fastened to the edge of the brace wall panel dosets to the corner.

Methods Per Table R602.10.1 CS-WSP: Shall be minimum 3/8" OSB or CCX 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

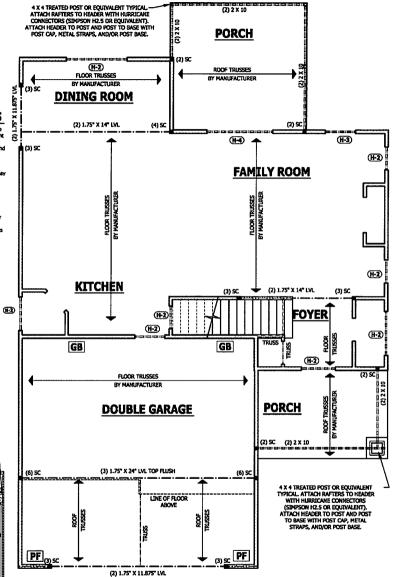
GB: Enterior walls show as GB are to have minimum 1/2" gypsum board on both sides of the wall fastened at 7" on center at edges and 7" on center at intermediate supports with minimum 5d cooler nails or #6 screws. PP: Portal fame per figure R602.10.1



PORTAL FRAME AT OPENING

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

FIRST FLOOR STRUCTURAL SCALE 1/4" = 1'-0"



CODES AND CONDITIONS HAS MANY WITH LECKTON, A LOCA DESCRIBEN, AND WITHOUT OR NOMERS SHOULD BE CONDUCT BEFORE CONSTRUCTION. THESE CRAMPING AME INSTRUMENTS OF SORVICE AN

AS SUCH SHALL ROWAN PROPERTY OF THE DESIGNER

FLOOR STRUCTURAL GASTON FIRST

SQUARE FOOTAGE UKKEATED

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JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, 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

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DESIGN LOADS	LIVE LOAD	DEAD LOAD	DEFLECTION
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
Quardralls and handralls	200	-	-
Guardrail In-fill components	50		
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sieeping rooms	30	10	L/360
Stairs	40		L/360
Snow	20		

FRAMING LUMBER: All non treated framing jumber 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 nated other wise

ENGINEERED WOOD BEAMS:

Gaston II\181035B Gaston II - Left.aec

ny, Inc\181035B

Laminated veneer lumber (LVL) = Rb=2600 PSI, Fv=285 PSI, E=1.9x106 PSI Parallel strand lumber (PSL) = Pb=2900 PSL Fv=290 PSL E=2.0x106 PSL 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 1-loist 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.

CONCRETE AND SOILS: See foundation notes.

ATTIC ACCESS

R807.1 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 dear 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.

1. Concealed areas not located over the main structure including porches, areas behind knee walls, dormers, bay windows, etc. are not required to have access.

Pull down stalr treads, stringers, handralls, and hardware may protrude into the net clear opening.

HEADER SCHEDULE

COMMON LOAD BEARING HEADERS

	SIZE:	COLUMNS:
H-1	(2) 2 X 4	1 JACK 1 KING
H-2	(2) 2 X 5	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 REOUIREMENTS

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. attentio

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 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.

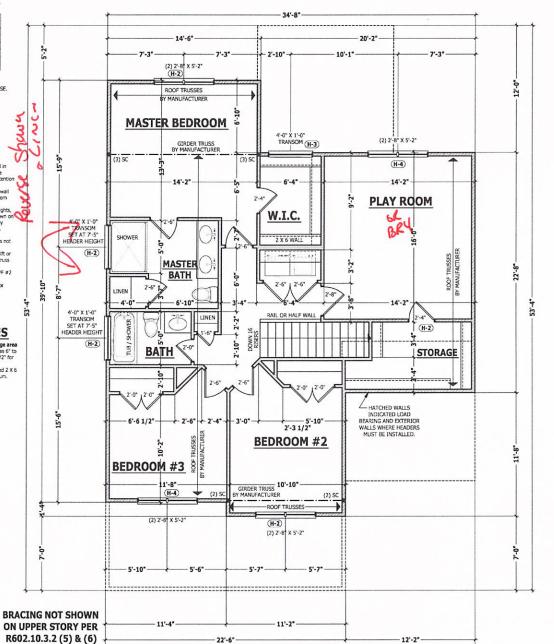
ANCHORAGE. All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss

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.

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 shud 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.



SECOND FLOOR PLAN

SCALE 1/4" = 1'-0"

PROCEDURES.
CODES AND COMBITIONS MAY
WARY WITH LOCATION. A LOCAL
DESIGNER, ARCHITECT OR
ENGINEER SHOULD BE CONSULTE
EFFORE CONSTRUCTION.
THISSE PRAVITION ARE
INSTRUMENTS OF SERVICE AN
AS SUCH SHALL REMAIN
PROPERTY OF THE DESIGNER.

PLAN GASTON SECOND FLOOR 뿚

SQUARE FOOTAGE HEATED FIRST FLOOR 775 SQLFT. SECOND FLOOR 754 SQLFT. FLAMEDOW 280 SQLFT. 775 SQ FT 764 SQ FT 280 SQ FT 1820 SQ FT TOTAL
UNHEATED
FRONT PORCH
GRACE
PEAR FORCH

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181035B

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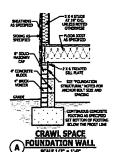
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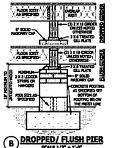
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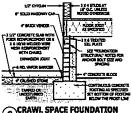
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HEEL HEIGHT ABOVE FIRST FLOOR PLATE HEEL HEIGHT ABOVE SECOND FLOOR PLATE

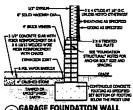
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C CRAWL SPACE FOUNDATION WALL AT GARAGE SLAB SCALE 1/2" = 1'-



D GARAGE FOUNDATION WALL

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" antasys. It is not been integrated as a second active freshed grade por figure AM109 and the dock is attached to the shusture in accordance with Section AM104, lateral bracing is not required. AM109.1.2.4 x 4 wood knoc 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 hortzontal. Knee braces shall be botted to the post and the order/double band with one 5/8 inch hot disped inized bott with nut and washer at both ends of the

brace per Figure AMI09.1 AMI09.1.3. For freestanding docks without tree braces or diagonal bracing, lateral stability may be provided by embedding the post in accordance with Rouse AM109.2

and the fo	loving:			
POST	TRIBUTARY	MAX. POST	BACCHEN	CONCRETE
4 X 4	48 SF	4'-0"	2'-6"	1'-0"
6 X 6	120 SF	6-0"	3'-6"	1'-6'

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 extensor column line for attached decks. The 2 v 6's chall be strached to the posts with one 5/8 inch hot dipp galvanized bott with nut and washer at each end of each brading member per Figure AM109.3. AM109.1.5. For embedment of piles in Coastal Regions

CARBON MONOXIDE ALARMS

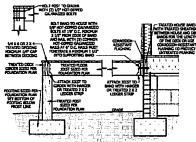
SECTION R315

KISSL Carean encourse surms. In new consuctors, everying tents shall be provided with a reproved carbon monoide elem installed outside of each separate scoping area in the termodate winting of the bedroom(s) as directed by the alarm manufacturer.

RISSL Where required is existing dwallings, in existing dwallings, where instant abstractions, reptars, fuel and palance registeror extractions, reptars, fuel and red applicance repts, or additions requiring a permit occurs, or where one or more sleeping rooms are added or removed rathon amonoide alarms which be consided in particular sets. Section for more of authors are monoide alarms which be consided in particular sets. Section for more of authors are monoide alarms which be consided in particular sets.

315.1. States requirements. The required carbon monoxide alarms shall be audited in all bedrooms over background naive levels with all intervening doors closed. Single station carbon monoxide alarms state be issted as compying with UL 2014 and shall be installed in econdance with this code and the manufacture? Installation textuctions.





DECK ATTACHMENT DETAIL TO FRAMED WALL SCALE 1/2" = 1'-0"

SMOKE ALARMS

SECTION R314

section issue attention 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 wenting equipment provisions of NFPA 72. IRSEA.2 Brooks detection systems. Household fire alarm systems installed in NUMA: a modes detections systems. In observoir the salem systems assessed in accordance with NFPA 72 that include smoke alarms, or a combination of smoke detector and auditive notification device installed as required by this section for smoke alarms, shall be permitted. The household fire alarm scoon for smore earms, small ore permission, the household the agent system shall provide the same level of smoke detoction and alarm as required by this section for smoke alarms. When a household the warming system is installed using a combination of smoke decessor and audicle notification device(s), it shall become a permisnic flower of the outputs and owned by the homeowner. The system shall be monitored by an approved. supervising station and be maintained in accordance with NFPA 72. Exceptions Where smoke starms are provided meeting the requirem Section R314.4. here snoke starms are provided meeting the requirements of

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

1. In each slooping room.

2. Outside each separate sleeping area in the immediate vidnity of the

3. On each additional story of the dwelling, including basements and

a both backers and you make make a part and a part a part and a pa acquery revers, a smore aurim insurance on the super level shall survive in the adjuscent lower level provided that the tower level is less than one full story below the super level. When more than one smoke alarm is required to be installed within an Individual diveding unit the alarm devices shall be interconnected in such a

manner that the actuation of one alarm will activate all of the alarms in the

the building witing when such witing is served from a commercial source, and when primary power is interrupted, shall receive power from a bottery. Writing shall be permanent and without a disconnecting width other than those required for overcurrent protection. Smoke starms shall be interconnected.

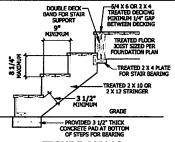


FIGURE AM110 TYPICAL DECK STAIR DETAIL SCALE 3/4" = 1'-0"

DECK STAIR NOTES

SECTION AM110

AM110.1 Stairs shall be constructed per Figure AM110. AMILIO States shall be no greater than 7 foot span between supports. Spading between stringers shall be based upon decling material used per AMIO7.1. Each Stringer shall have minimum 3 1/2 inches between step out and back of stringe If used, suspended headers shall shall be attached with 3/8 anch galvanized boits with nuts and washers to securely support stringers at the top.

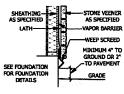
WEEP SCREEDS

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

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 pizte line on exterior stud walls in accordance with ASTM C 925. 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 building. The weather-resistant barrier shall lap the attachment flange. The

exterior iath shall cover and terminate on the

attachment flange of the weep screed.



WEEP SCREED SCALE 3/4" = 1'-0"

STAIRWAY NOTES

RSILI.7.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2002 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on

that provisor of the statemy.

State treads and risers. State treads and risers shall need the requirements of this section. For the purposes of this section all dimensions and dimensional surfaces shall be exclusive of compets, major or runners.

B31.1.7.4. Elser height. The maximum riser height shall be 8 1/4 inches (210 mm). The riser stread be measured overtaken between leading object of the adjacent

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 furemost 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 RSILI.A.3 Profile. The rooks of curvature at the nosing shall be no greater than y/8 fach (14 mm). A nosing not less than 3/4 ind (19 mm) but no more than 1 1/4 inches (32 mm) shall be provided on stainways with sold stees. RSILI.A.7 Handlank. Handrals shall be provided on set less tone side of each continuous run of treeds or flyfit with four or more stees. RSILI.A.7.3 Halloght. Handrall height, measured vertically from the stoped plane adjusting the bread moting, or first's surface of ramp stope, shall be not less than

34 inches (864 mm)and not more than 38 inches (965 mm). 1. The use of a volute, turnout or starting easing shall be allowed over the lowest

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

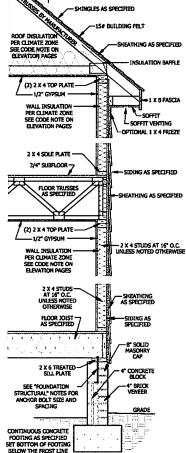
rings, or instrusion regist.

RELLIFICATE Continuity, Handrails for statineys shall be continuous for the full
ength of the fillings, from a point directly above the top risor of the flight to a point
directly above the lowest five of the flight. Handrail ends shall be returned or shall
be continued to never observed the flight. Handrail ends shall be returned or shall
have a space of not less than 11/2 Inch (33 mm) between the wall and the
handrails.

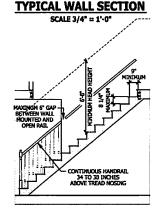
2. The use of a volute, turnout, starting easing or starting newel shall be allowed

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

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



PITCH PER ROOF PLAN OR ELEVATIONS



TYPICAL STAIR DETAIL

II DETAILS GASTON 里

SQUARE FOOTAGE

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