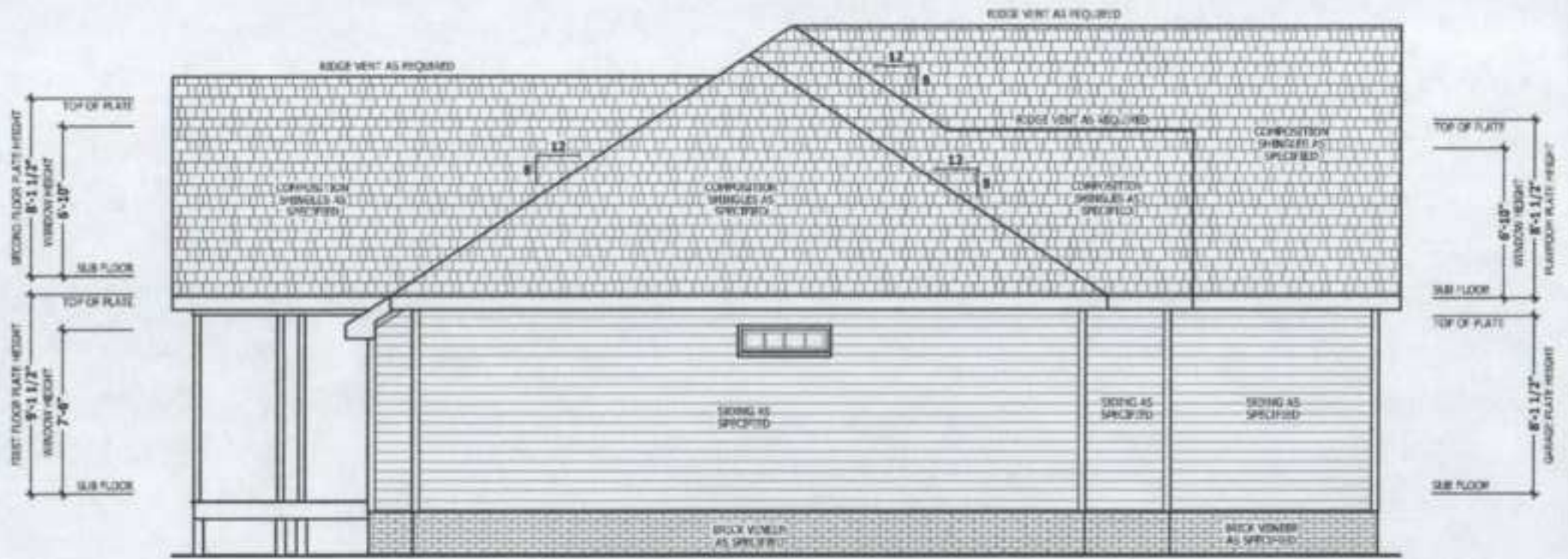




RIGHT SIDE ELEVATION

SCALE 1/4" = 1'-0"



LEFT SIDE ELEVATION

SCALE 1/4" = 1'-0"

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES.

LEFT & RIGHT ELEVATIONS
Windsor

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HAYNES HOME PLANS, INC.

SQUARE FOOTAGE HEATED	
1st Floor	1,800
2nd Floor	1,200
Garage	400
Unheated	200
Playroom	100
Porch	100

ALL FOUNDATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL FOUNDATION CODE (IFC). THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS SHOWN ON THIS PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

STEM WALL SLAB PLAN
Windsor

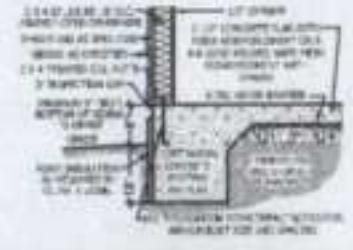
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HOME PLANS, INC.
9100 JONES BLVD. • SUITE 100 • WINDSOR, CO 80550
970.696.4696

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HOME PLANS, INC.

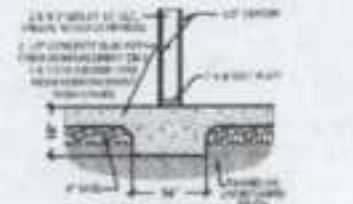
SQUARE FOOTAGE

FOOTPRINT	1,215
COVERED PATIO	100
UNCOVERED PATIO	100
TOTAL	1,415

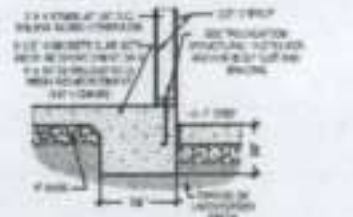
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1/22/2015
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PAGE 3 OF 8



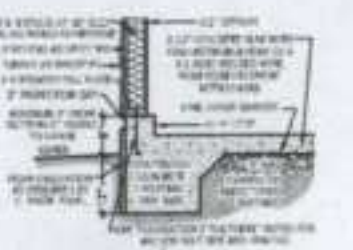
A MONOLITHIC SLAB FOOTING
SCALE 1/2" = 1'-0"



B LUG FOOTING
SCALE 1/2" = 1'-0"



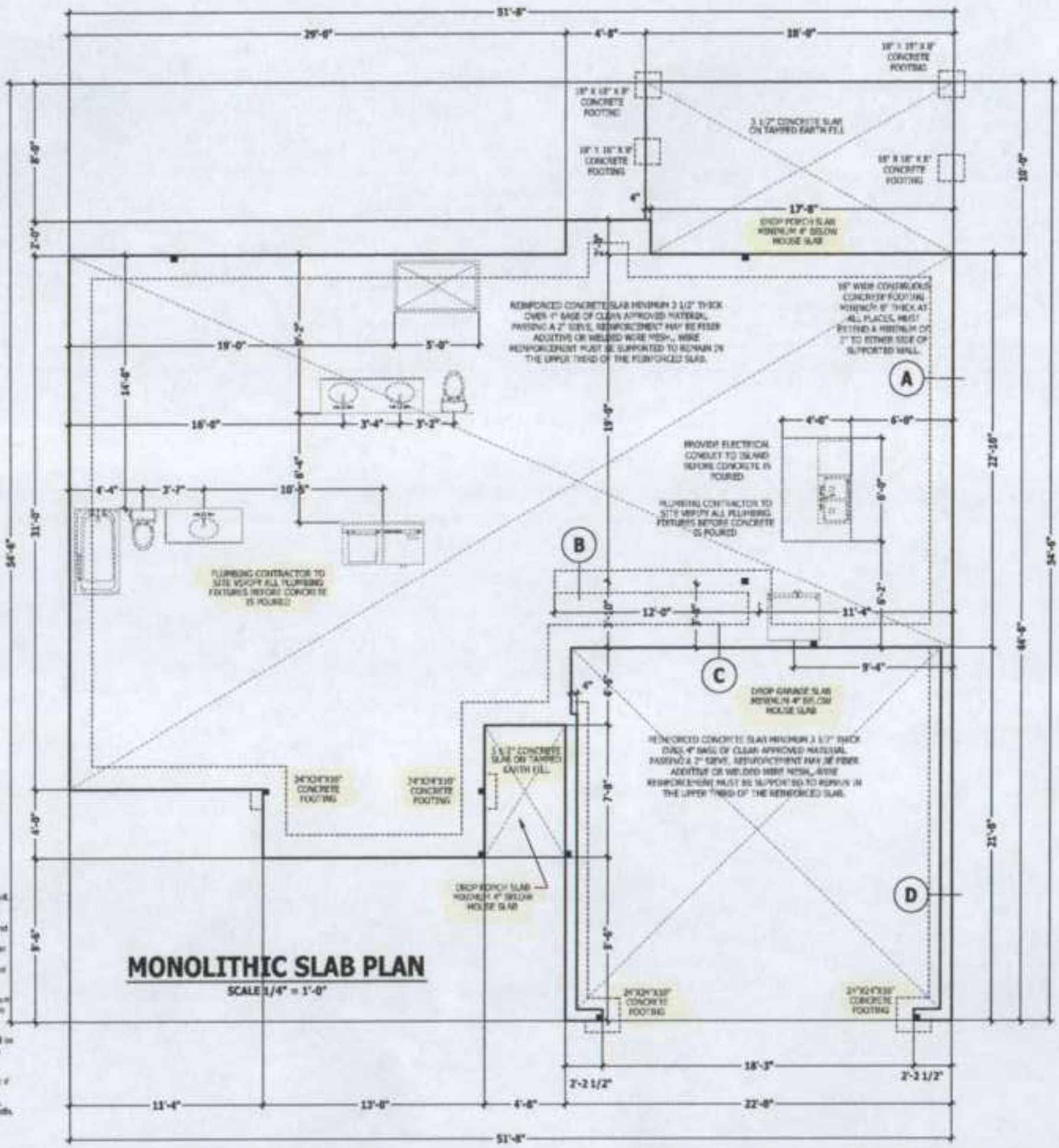
C THICKENED SLAB AT STEP
SCALE 1/2" = 1'-0"



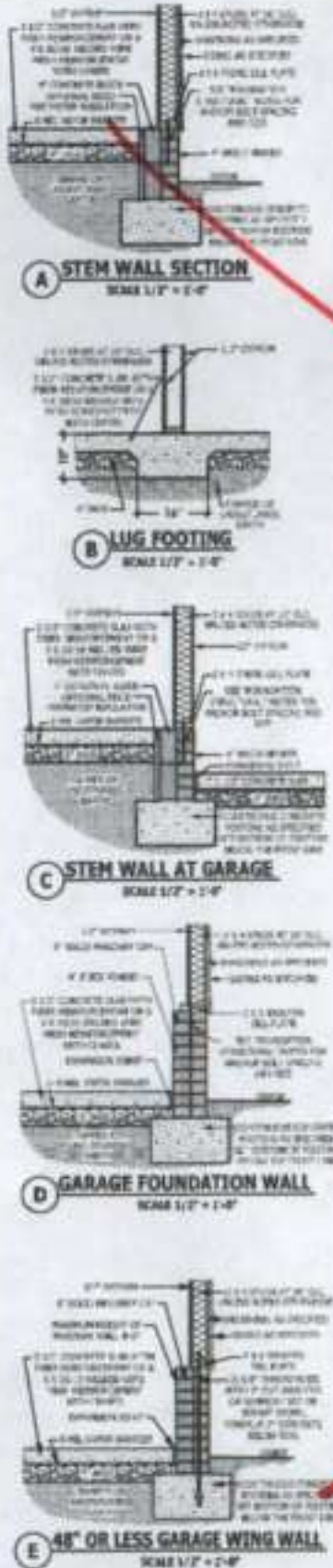
D MONOLITHIC SLAB FOOTING STEM WALL AT GARAGE
SCALE 1/2" = 1'-0"

FOUNDATION STRUCTURAL

115 to 120 psi min. soil strength (1.12 to 1.52 tons)
CONTINUOUS FOOTING: 12" wide and 8" thick minimum, 30" wide maximum at both ends, must extend 2" to either side of supported wall.
PIERS: (1) 7 x 12 girder unless noted otherwise.
PIERS: (2) 3 1/2" x 20" slabs with 4" solid masonry cap on 30" x 30" x 12" concrete footing with minimum pier height of 64" with masonry and 160" with solid masonry.
POINT LOADS: (1) minimum: equivalent point load and should have side footing to pier, girder or foundation wall.
115 and 120 PSI 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 slab.
120 PSI ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 12", maximum 4'-0" on center, within 12" of plate ends, and minimum two anchor bolts per slab.
CONCRETE: Concrete shall have a minimum 28 day strength of 3000 psi and a maximum 5" slump. As outlined per table 402.2. All concrete shall be in accordance with ACI standards. All samples for pumping shall be taken from the end of the pump.
SOILS: Adverse soil bearing pressure assumed to be 2000 PSF. The contractor must contact a geotechnical engineer and a structural engineer if geotechnical subsurface conditions are encountered. The surface area adjacent to the foundation wall shall be prepared with adequate drainage, and shall be graded so as to drain surface water away from foundation walls.



MONOLITHIC SLAB PLAN
SCALE 1/4" = 1'-0"



FOUNDATION STRUCTURAL

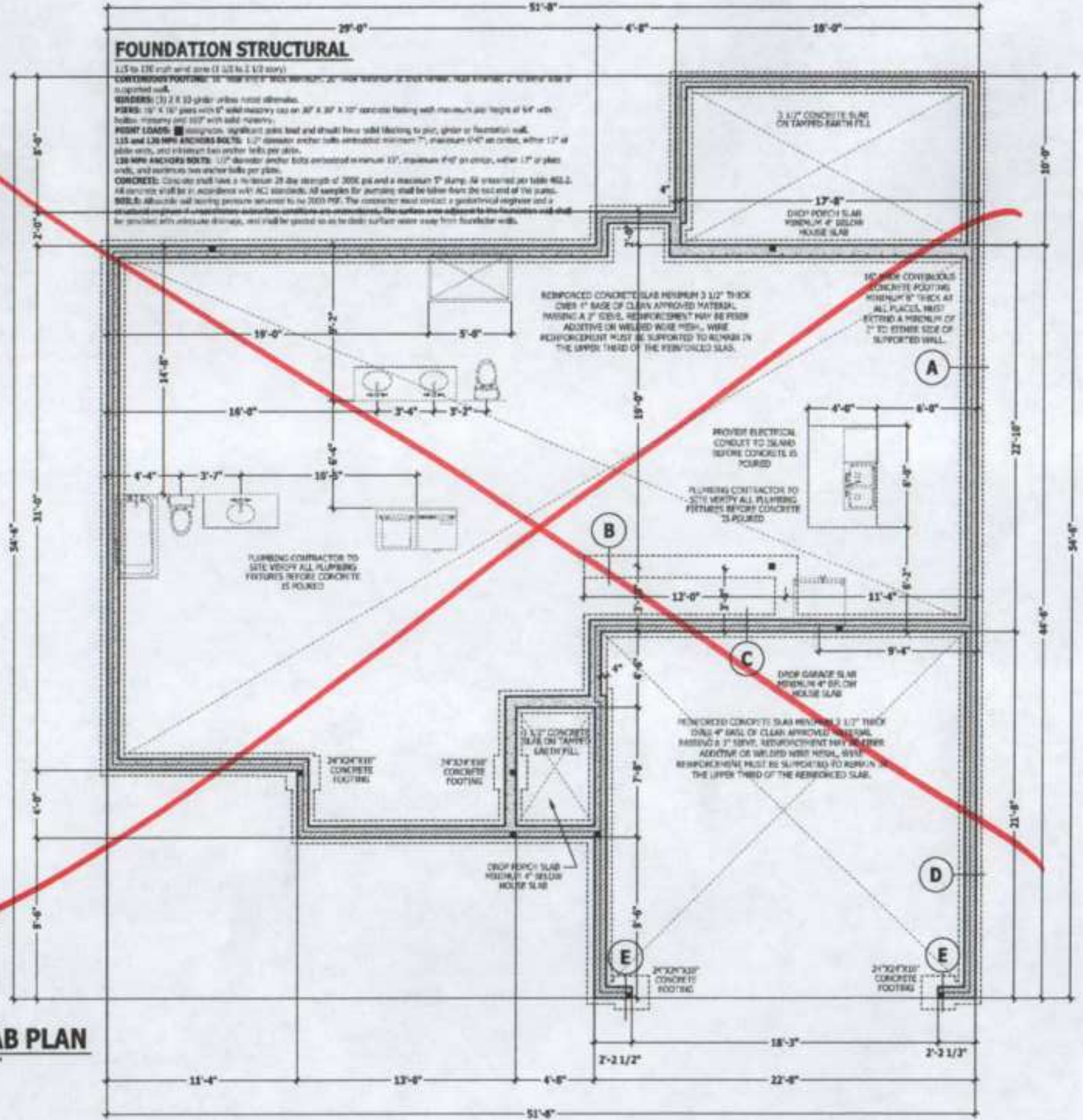
1:15 to 1:30 soil and zone (1:15 to 1:12 story)
CONTINUOUS FOOTING: 16\"/>

WALLS: (1) 2 x 12 glider walls noted otherwise.
WERS: 16\"/>

ROOF LOADS: 15 psf, significant point load and shall have solid backing to pier, girder or foundation wall.
115 and 130 MPA ANCHORS BOLTS: 1/2\"/>

CONCRETE: Concrete shall have a minimum 28 day strength of 3000 psi and a maximum 7\"/>

SOILS: All outside wall footing pressure assumed to be 2000 PSF. The contractor must contact a geotechnical engineer and a structural engineer if site conditions are unusual. The surface area adjacent to the foundation shall be graded with adequate drainage, and shall be graded so as to direct surface water away from foundation walls.



ALL DIMENSIONS UNLESS OTHERWISE NOTED TO BE TO FACE UNLESS OTHERWISE NOTED TO BE TO CENTERLINE. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED TO BE TO CENTERLINE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY.

STEM WALL SLAB PLAN
Windsor

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 HOME PLANS INC.
 910.691.2100 • 919.606.4696

HAYNES WEAVER HOMES
 HOME PLANS INC.
 10101 W. Sunbelt, Suite 100, Dallas, TX 75241

SQUARE FOOTAGE	
HEATED	1,810
UNHEATED	1,200
TOTAL	3,010

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 PAGE 3 OF 8

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL RESIDENTIAL CODE BOOKS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

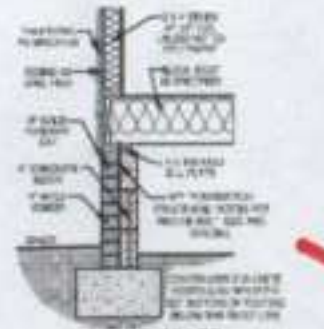
CRAWL SPACE PLAN
Windsor

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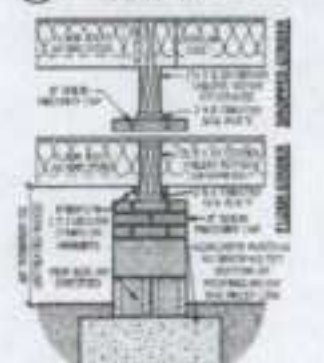
HAYNES WEAVER HOMES INC.
HOME PLANS, INC.

SQUARE FOOTAGE
HEATED: 1,317 SQ. FT.
UNHEATED: 1,317 SQ. FT.

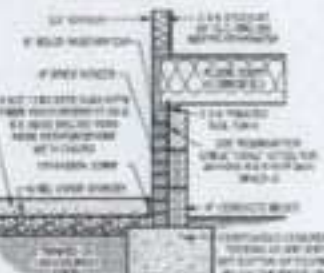
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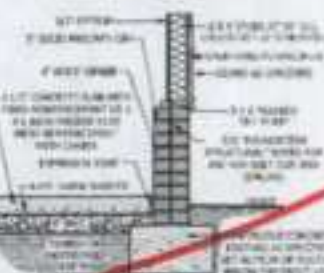
A CRAWL SPACE FOUNDATION WALL
SCALE 1/2" = 1'-0"



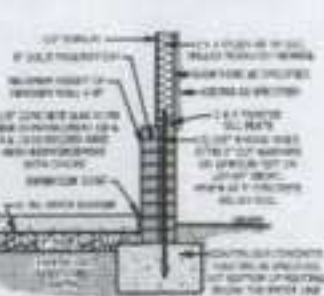
B DROPPED/ FLUSH PIER
SCALE 1/2" = 1'-0"



C CRAWL SPACE FOUNDATION WALL AT GARAGE SLAB
SCALE 1/2" = 1'-0"



D GARAGE FOUNDATION WALL
SCALE 1/2" = 1'-0"

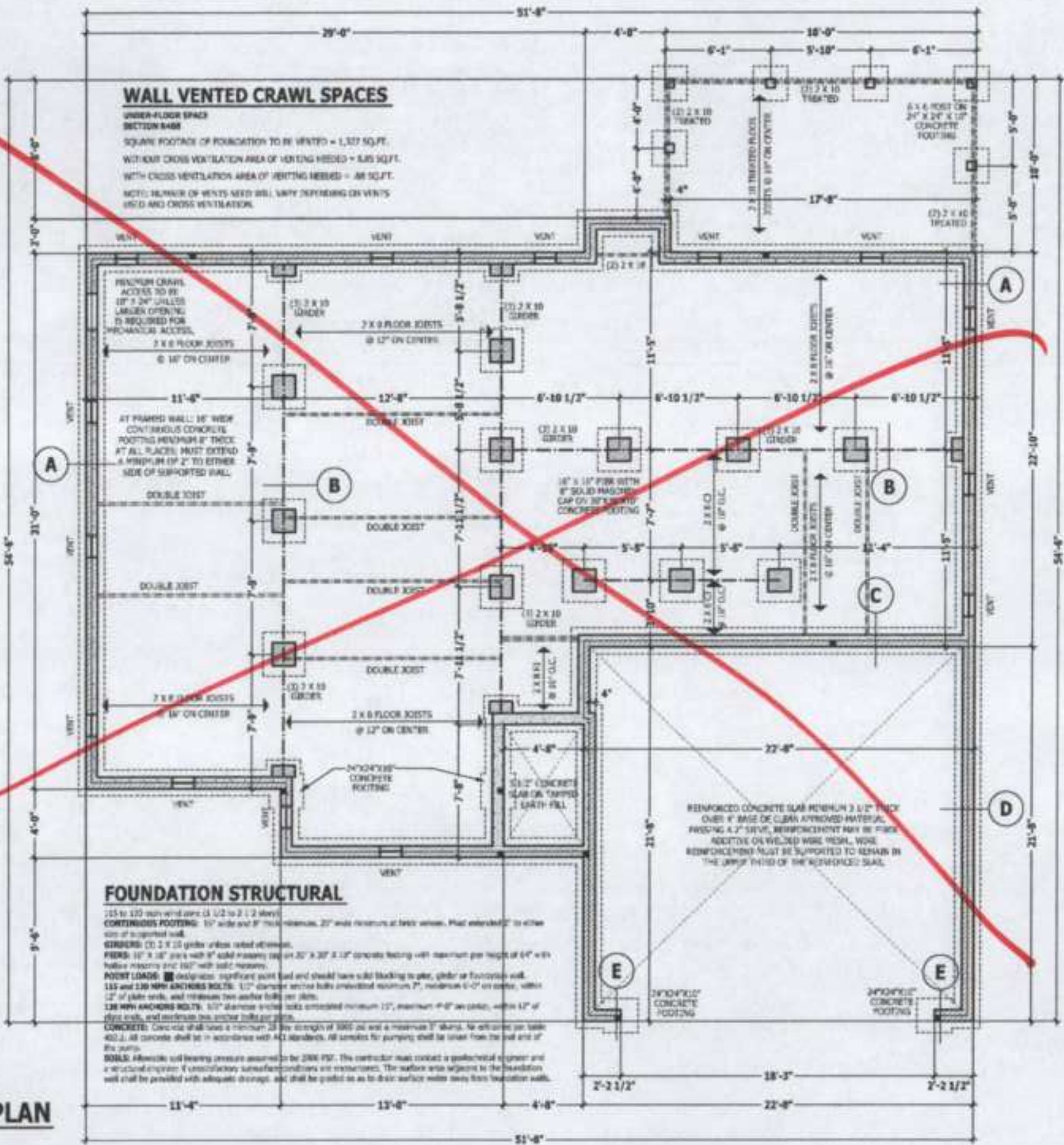


E 48" OR LESS GARAGE WING WALL
SCALE 1/2" = 1'-0"

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

WALL VENTED CRAWL SPACES

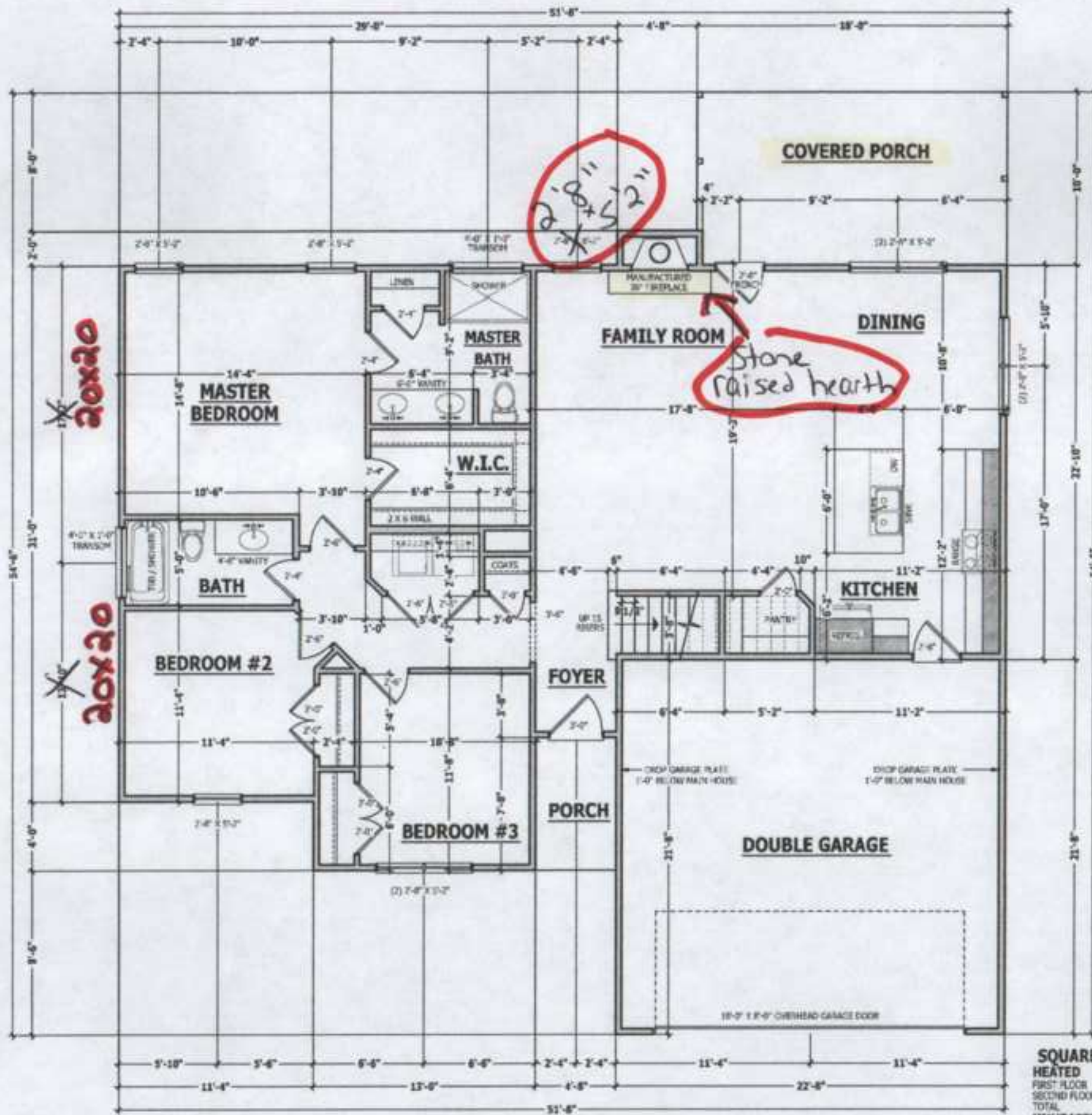
UNDER-FLOOR SPACE SECTION 8488
SQUARE FOOTAGE OF FOUNDATION TO BE VENTED = 1,317 SQ. FT.
WITHOUT CROSS VENTILATION AREA OF VENTING NEEDED = 5.05 SQ. FT.
WITH CROSS VENTILATION AREA OF VENTING NEEDED = .06 SQ. FT.
NOTE: NUMBER OF VENTS NEEDED WILL VARY DEPENDING ON VENTS USED AND CROSS VENTILATION.



FOUNDATION STRUCTURAL

105 to 120 mph wind zone (1/2 to 2 1/2 story)
CONTINUOUS FOOTING: 12" wide and 8" thick minimum, 20" wide minimum at base where footing extends to other side of supported wall.
GIROERS: (2) 2 X 10 girders unless noted otherwise.
PIERS: 16" X 16" pier with 8" solid masonry cap on 30" X 30" X 12" concrete footing with maximum pier height of 6' with hollow masonry and 160" with solid masonry.
JOIST LOADS: Design live load shall be 10 psf and shall have solid blocking in place, girders 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.
120 MPH ANCHORS BOLTS: 1/2" diameter anchor bolts embedded minimum 12", 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 57' slump. An air content per Table 402.2. All concrete shall be in accordance with ACI standards. All concrete for pumping shall be placed from the top 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 extraordinary 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.

REINFORCED CONCRETE SLAB MINIMUM 3 1/2" THICK OVER 4" BASE OF CLEAN APPROVED MATERIAL. FINISH 4:2" SLOPE. REINFORCEMENT MAY BE FIBER REINFORCED OR WELDED WIRE MESH. WIRE REINFORCEMENT MUST BE SUPPORTED TO REMAIN IN THE LOWER THIRD OF THE REINFORCED SLAB.



FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

DWELLING / GARAGE SEPARATION

REFER TO SECTIONS K302L, K302A, AND K302.F WALLS. A minimum 1/2" gypsum board must be installed on all walls supporting floor joists described and for separation required by this section.
 STAIRS. A minimum of 1/2" gypsum board must be installed on the underside and adjacent walls of all stairways.
 CEILING. A minimum of 1/2" gypsum must be installed on the garage ceiling if there are no habitable rooms above the garage. If there are habitable rooms above the garage a minimum of 5/8" type X gypsum board must be installed on the garage ceiling.
 OPENING PENETRATIONS. Coverings between the garage and residence shall be equipped with self-closing doors not less than 1 3/8 inches (35 mm) in thickness, with a minimum core steel door not less than 1 3/8 inches (35 mm) thick, or 24-gauge fire-rated door.
 DUCT PENETRATIONS. Ducts to the garage and ducts connecting the ends or endings opening for drawing from the garage shall be constructed of a minimum of 26-gauge (0.45 mm) steel and be either approved material and shall have no openings into the garage.
 OTHER PENETRATIONS. Penetrations through the separation required in Section K302.A shall be installed as required by Section K302.L, Item A.

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1296 SQ. FT.
SECOND FLOOR	374 SQ. FT.
TOTAL	1770 SQ. FT.
UNHEATED	
GARAGE	489 SQ. FT.
FRONT PORCH	36 SQ. FT.
COVERED PORCH	279 SQ. FT.
TOTAL	711 SQ. FT.

THIS PLAN IS THE PROPERTY OF HAYNES WEAVER HOMES, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS PLAN WITHOUT THE WRITTEN CONSENT OF HAYNES WEAVER HOMES, INC. IS STRICTLY PROHIBITED. HAYNES WEAVER HOMES, INC. IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN THIS PLAN.

FIRST FLOOR PLAN
Windsor

HAYNES WEAVER HOMES
 HOME PLANS, INC.
 910.631.2100 • 919.666.4690

SQUARE FOOTAGE	
HEATED	
FIRST FLOOR	1296 SQ. FT.
SECOND FLOOR	374 SQ. FT.
TOTAL	1770 SQ. FT.
UNHEATED	
GARAGE	489 SQ. FT.
FRONT PORCH	36 SQ. FT.
COVERED PORCH	279 SQ. FT.
TOTAL	711 SQ. FT.

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 PAGE 4 OF 8

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.

FIRST FLOOR STRUCTURAL
Windsor

WEAVER HOMES
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HAYNES HOME PLANS, INC.
2111 W. UNIVERSITY AVENUE, SUITE 100, RICHMOND, VA 23220

SQUARE FOOTAGE

NET AREA	2,800
NET FLOOR AREA	2,800
UNHEATED	400
TOTAL	3,200

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1/22/2015
181045B
PAGE 5 OF 8

STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 International Residential Building Code, plus all local codes and regulations. This document is to be used in conjunction with the contract documents.
JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, Inc. assumes no liability for construction practices and procedures or safety programs. Haynes Home Plans, Inc. takes no responsibility for the contractor's failure to comply with the contract documents or to coordinate with the contractor. All workers shall be trained, authorized, and licensed in accordance with good construction practices and the building code.

DESIGN LOADS

TYPE	LIVE (PSF)	DEAD LOAD (PSF)	DEFLECTION (L/1)
Attic without storage	15	10	1/360
Attic with limited storage	20	10	1/360
Attic with full storage	40	10	1/360
Balconies and decks	40	10	1/360
Fire escapes	40	10	1/360
Garage floor and overhead	200	10	-
Overhead in all components	10	-	-
Roofing, without storage	30	10	1/360
Roofs other than storage	40	10	1/360
Sloping roofs	40	10	1/360
Stairs	40	10	1/360
Walls	20	-	-

FRAMING LUMBER: All non-treated framing lumber shall be SPF #2 (1 1/2" x 6 1/2" KD) or SPF #2 (2" x 6" x 10" KD) and all treated lumber shall be SPF #2 (1 1/2" x 6 1/2" KD) unless noted otherwise.

ENGINEERED WOOD BEAMS: Laminated veneer lumber (LVL) - 1 1/2" x 200" PS, 1 1/2" x 200" PS, E-1.5 x 10' PS; Parallel strand lumber (PSL) - 1 1/2" x 200" PS, 1 1/2" x 200" PS, E-1.5 x 10' PS; Laminated strand lumber (LSL) - 1 1/2" x 200" PS, 1 1/2" x 200" PS, E-1.5 x 10' PS. All components are manufacturer's dimensions.

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

LIMITS: Sill bolts shall be 2" L x 3" W x 1/2" thick 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. 2" L x 3" W x 1/2" steel angle with 1 1/2" bolts at 2'-0" on center for spans up to 18'-0" unless noted otherwise.

CONCRETE AND SOILS: See foundation notes.

ROOF TRUSS REQUIREMENTS

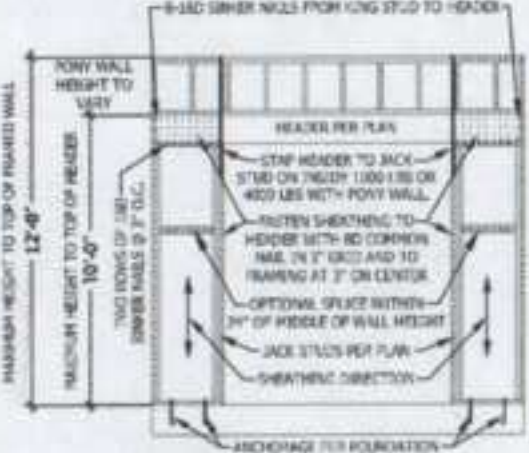
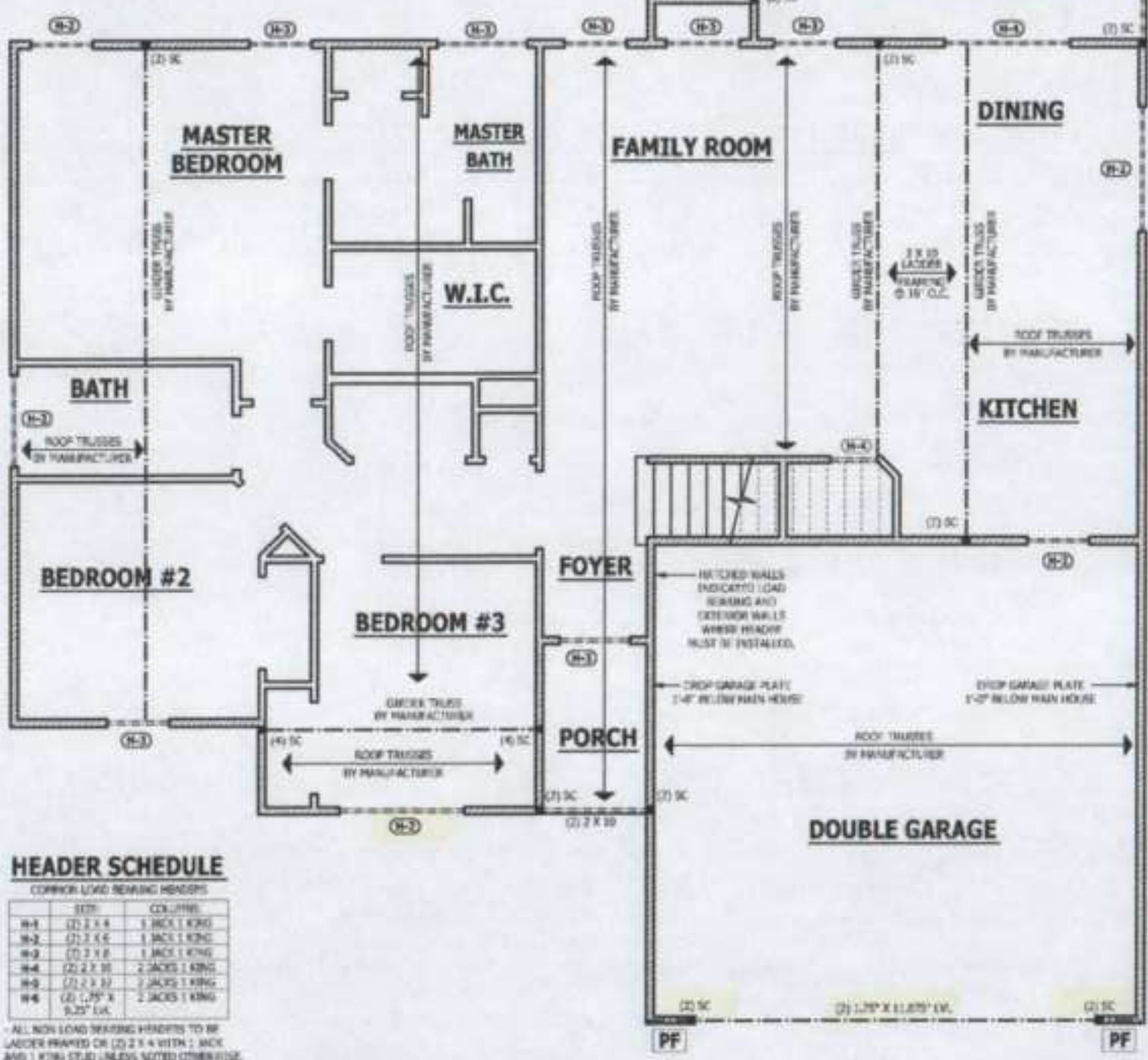
TRUSS DESIGN: Trusses to be designed and engineered in accordance with these drawings. All variation with these drawings must be brought to Haynes Home Plans, Inc. attention before construction begins.

KNEE WALL AND CEILING HEIGHTS: All finished knee wall heights and ceiling heights are shown for a roof pitch of 12" rise over 12" run. If the roof pitch is other than 12" rise over 12" run, the truss manufacturer shall be notified of the required knee wall height, finished knee wall height, or finished ceiling height shown on these drawings for the finished square footage. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, as a suitable solution can be reached before construction begins. Any variation due to these conditions set forth in the requirements of the truss manufacturer.

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

BEARING: All trusses shall be designed for bearing on 4" x 4" joists or 4" x 6" joists unless noted otherwise.

Floor Heights & Floor Systems: See elevation sheets for plate heights and floor system thicknesses.



PF PORTAL FRAME AT OPENING
(METHOD PF PER FIGURE AND SECTION 902.11.1)
SCALE 1/4" = 1'-0"

BRACE WALL PANEL NOTES

EXTERIOR WALLS: All exterior walls to be treated with CS-50P or CS-51S in accordance with section 902.11.3 unless noted otherwise.

GYPSUM: All exterior sides of exterior walls and both sides interior walls to have 1/2" gypsum installed. When not using method C2 system to be fastened per table 902.11.5. Method C2 to be fastened per table 902.11.5.

REQUIRED LENGTH OF BRACING: Required brace wall length for each side of the circumferential bracing are stipulated per table 902.11.3. Methods CS-50P and CS-51S stipulate their actual lengths. Method C2 stipulates 0.5 times actual length. Method PF stipulates 1.5 times its actual length.

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

Methods: Per Table 902.11.3

CS-50P: Shall be minimum 2" x 4" or 2" x 6" nailed at 6" on center at edges and 12" on center at intermediate supports with 4d common nails or 902.11.2" long x 5/16" diameter.

CS-51S: Shall be minimum 1 1/2" structural floor board nailed at 3" on center at edges and 7" on center at intermediate supports with 1 1/2" long x 5/16" diameter galvanized roofing nails.

GB: Interior walls shall be 5/8" or 1" gypsum board on both sides of the wall fastened at 7" on center at edges and 7" on center at intermediate supports with minimum 3d common nails or 4d screws.

PF: Portal frame per Figure 902.11.1

HEADER SCHEDULE

COMMON LOAD BEARING HEADERS

HT	SPF	COL./PNS
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 1/2" x 8 1/2" LVL	2 JACKS 1 KING

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

FIRST FLOOR STRUCTURAL

SCALE 1/4" = 1'-0"

Z:\Builder\Weaver Development Company, Inc\181045B Windsor\181045B Windsor.dwg

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 framed down 2" from roof deck for insulation. If for any reason the truss manufacturer fails to meet or exceed required knee heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished knee heights may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, as 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 racking shall meet the requirements as specified on the truss schedule.

BEARING. All trusses shall be designed for bearing on SPF #2 Sills or Joists unless noted otherwise.

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

ATTIC ACCESS

SECTION 9007
9007.1 ATTIC ACCESS. An attic access opening shall be provided to attic areas that exceed 100 square feet (27.2 sq m) and have a vertical height of 42 inches (106 mm) or greater. The net clear opening shall not be less than 20 inches by 20 inches (508 mm by 508 mm) and shall be located in a hallway or other readily accessible location. A 30-inch (762 mm) heavy revenue under-cabinet headroom in the attic space shall be provided at some point above the access opening. See Section 9100.1.1 for access requirements where mechanical equipment is located in attic.

Exceptions:
 1. Opened areas not located over the main structure including porches, open level roof walls, dormers, etc. windows, etc. are not required to have access.
 2. Full down roof truss, ceiling, finished, and hardware may protrude into the net clear opening.

HEADER SCHEDULE

NO.	SIZE	COUNT/SPAN
H-1	(2) 2 X 4	1 JACK 1 KING
H-2	(2) 2 X 8	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 1/2" X 8	3 JACKS 1 KING
	8.25' L.S.	

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

BRACING NOT SHOWN ON UPPER STORY PER R602.10.3.2 (5) & (6)

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 is to be used in conjunction to specify the code.

JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, Inc. assumes no liability for construction practices and procedures in writing program. Haynes Home Plans, Inc. assumes no responsibility for the contractor's failure to carry out the construction work in accordance with the contract documents. All members shall be trained, certified, and trained in accordance with good construction practice and the building code.

DIVISION	LOADS	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
Attics without storage	10	10	U/240	
Attics with limited storage	20	10	U/240	
Attics with full storage	40	10	U/240	
Exteriors and decks	40	10	U/240	
Porches	40	10	U/240	
Garage and ramps	200	-	-	
Guardrail rail components	50	-	-	
Passenger vehicle garages	70	10	U/240	
Stairs other than sleeping	40	10	U/180	
Sleeping stairs	30	10	U/240	
Stairs	40	-	U/240	
Roof	20	-	-	

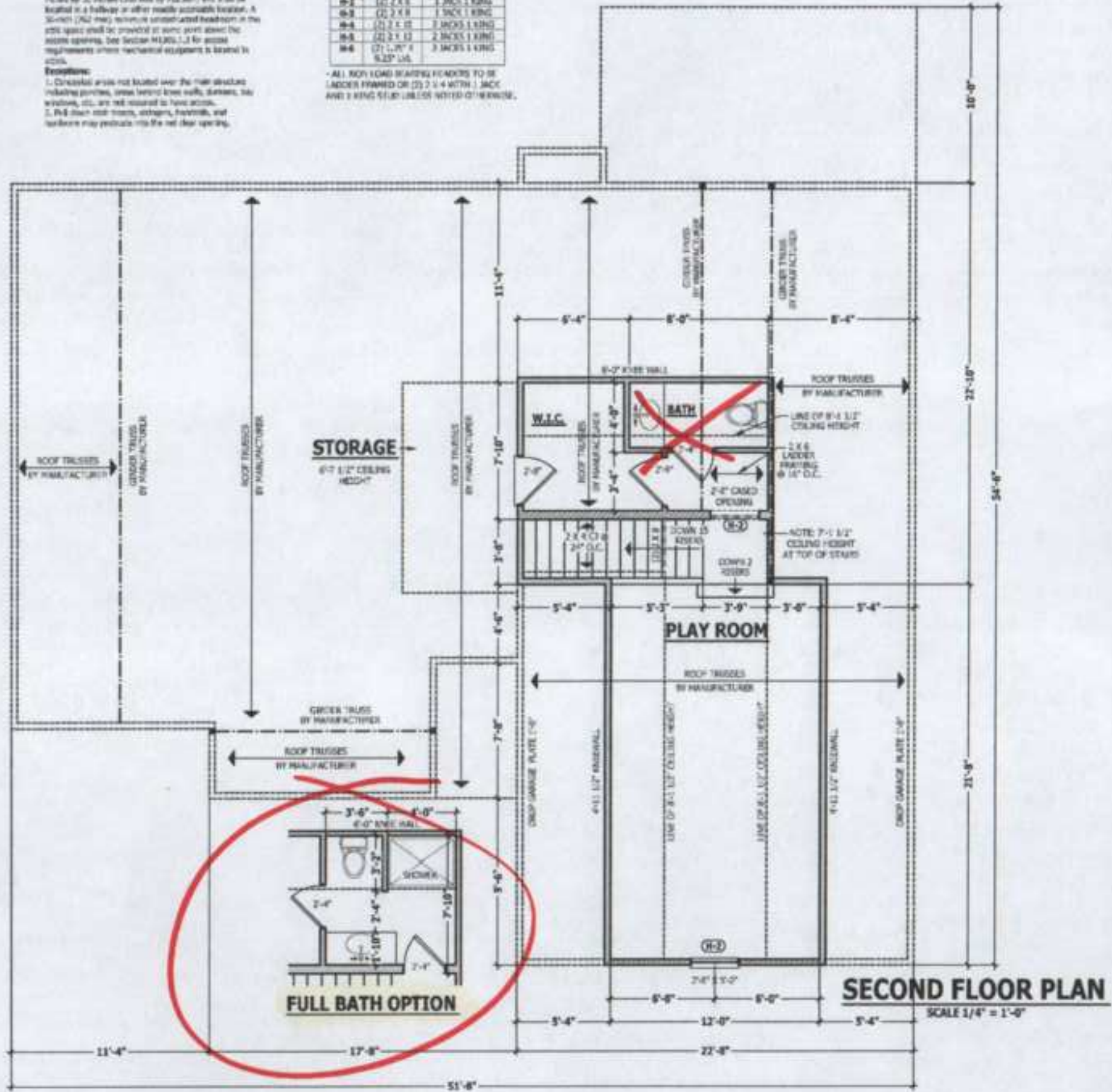
FRAMING LUMBER: All non-treated framing lumber shall be SPF #2 DF = 675 PSI or SPF #1 (75 = 700 PSI) and all treated lumber shall be SPF #2 (75 = 700 PSI) unless noted otherwise.

ENGINEERED WOOD BEAMS:
 Laminated veneer lumber (LVL) = Fv=2600 PSI, Fw=265 PSI, E=1.8x10⁶ PSI
 Parallel strand lumber (PSL) = Fv=2900 PSI, Fw=260 PSI, E=2.0x10⁶ PSI
 Laminated strand lumber (LSL) = Fv=2250 PSI, Fw=400 PSI, E=1.8x10⁶ PSI
 Consult all manufacturers for manufacturer's instructions.

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

CEILING: This truss shall be 3 1/2" x 3 1/2" x 1 1/4" steel angle for spans to 8'-0" and 6" x 4" x 1/2" steel angle with 1" leg vertical for spans up to 8'-0" unless noted otherwise. 3 1/2" x 3 1/2" x 1 1/4" steel angle with 1/2" legs at 2'-0" on center for spans up to 10'-0" unless noted otherwise.

CONCRETE AND SOILS: See foundation notes.



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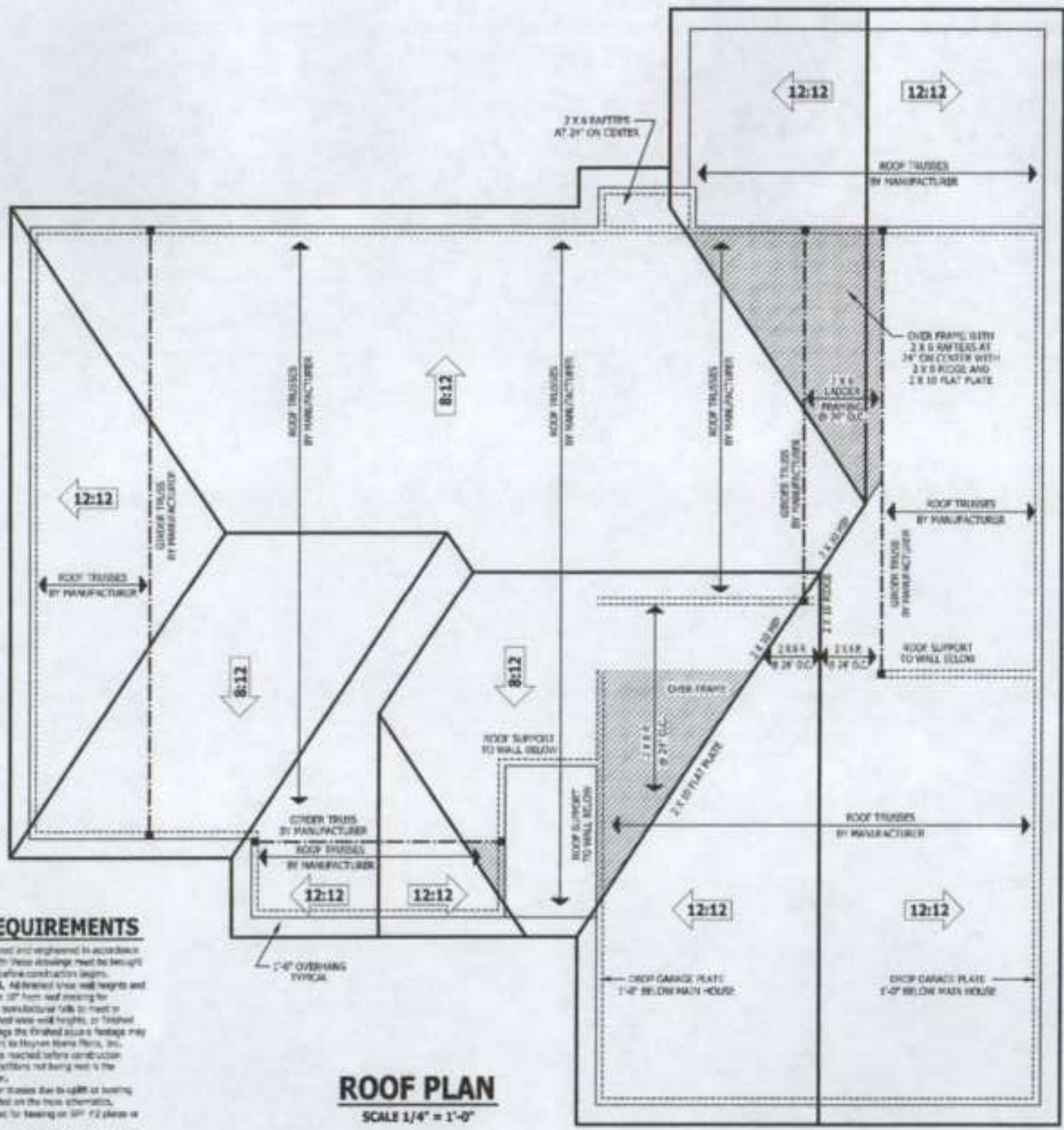
SECOND FLOOR PLAN
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SQUARE FOOTAGE	
HEATED	2187
UNHEATED	218
TOTAL	2405
COVERED	0
UNCOVERED	0
TOTAL	0

ALL ROOF TRUSS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DISCREPANCIES OR OMISSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DISCREPANCIES OR OMISSIONS.



ROOF TRUSS REQUIREMENTS

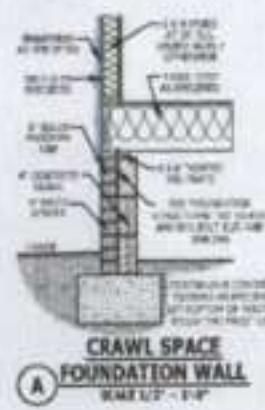
TRUSS DESIGN. Trusses to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Haynes Home Plans, Inc. attention before construction begins.
KNEE WALL AND CEILING HEIGHTS. Referenced knee wall heights and ceiling heights are shown based upon 10' from roof eave to finished ceiling. If for any reason the truss manufacturer fails to meet or exceed designed knee heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished knee heights may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention as 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 schematic.
BEARING. All trusses shall be designed for bearing on 2" x 12 plate or joists unless noted otherwise.
Plate Heights & Floor Systems. See alternate pages for plate heights and floor system dimensions.
 ● RISE HEIGHT ABOVE FIRST FLOOR PLATE ● RISE HEIGHT ABOVE SECOND FLOOR PLATE

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

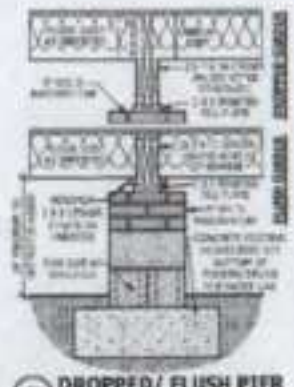
ROOF PLAN
Windsor

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SQUARE FOOTAGE HEATED	
1st Floor	1,800
2nd Floor	1,200
3rd Floor	1,200
UNHEATED	
Garage	400
Deck	100
Other	100



A CRAWL SPACE FOUNDATION WALL
SCALE 1/2" = 1'-0"



B DROPPED/FLUSH PIER
SCALE 1/2" = 1'-0"



C CRAWL SPACE FOUNDATION WALL AT GARAGE SLAB
SCALE 1/2" = 1'-0"



D GARAGE FOUNDATION WALL
SCALE 1/2" = 1'-0"



E 6\"/>

DECK BRACING

SECTION AN100
AN100.1 Deck bracing. There shall be bracing to provide lateral stability. The following are acceptable means to provide lateral stability.
AN100.1.1 When the deck floor height is less than 4'-0" above finished grade per Figure AN100 and the deck is attached to the structure in accordance with Section AN100, lateral bracing is not required.
AN100.1.2 A 4 x 4 wood knee brace 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 brace shall be angled between 45 degrees and 55 degrees from the horizontal. Knee braces shall be nailed to the post and the structure base with one 3/8 inch hot dipped galvanized bolt with nut and washer at each end of the brace per Figure AN100.1.
AN100.1.3 For bracing device without knee braces or diagonal bracing, lateral stability shall be provided by attaching the post in accordance with Figure AN100.2 and the following:

POST SIZE	MINIMUM BRACE	MIN. POST TO STRUCTURE ATTACHMENT	MINIMUM BRACE ATTACHMENT	MINIMUM BRACE TO POST ATTACHMENT
4 x 4	40#	4'-0"	2'-0"	1'-0"
6 x 6	120#	6'-0"	3'-0"	1'-0"

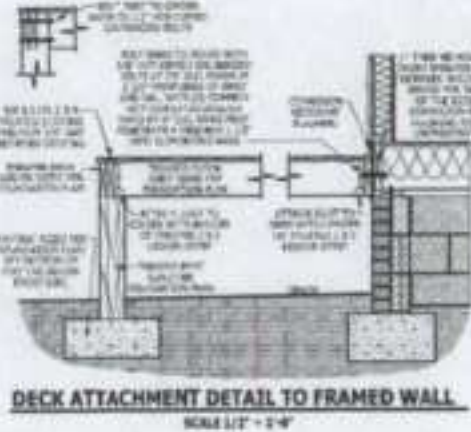
AN100.1.4 A 2 x 2 diagonal vertical cross bracing may be provided as two perpendicular elements to provide bracing for parallel to the structure at the exterior column line for attached decks. Two 2 x 2's shall be attached to the deck with one 3/8 inch hot dipped galvanized bolt with nut and washer at each end of each bracing member per Figure AN100.3.
AN100.1.5 For attachment of posts in Coastal Regions, see Chapter 45.

POST SIZE	MINIMUM BRACE	MIN. POST TO STRUCTURE ATTACHMENT	MINIMUM BRACE ATTACHMENT	MINIMUM BRACE TO POST ATTACHMENT
4 x 4	40#	4'-0"	2'-0"	1'-0"
6 x 6	120#	6'-0"	3'-0"	1'-0"

AN100.1.4 A 2 x 2 diagonal vertical cross bracing may be provided as two perpendicular elements to provide bracing for parallel to the structure at the exterior column line for attached decks. Two 2 x 2's shall be attached to the deck with one 3/8 inch hot dipped galvanized bolt with nut and washer at each end of each bracing member per Figure AN100.3.
AN100.1.5 For attachment of posts in Coastal Regions, see Chapter 45.

CARBON MONOXIDE ALARMS

SECTION R310
R310.1 Carbon monoxide alarms. In new construction, existing or to 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.
R310.2 Where required in existing buildings, in existing dwellings, where interior alarm systems, heat-activated replacement, or additional sleeping areas, carbon monoxide alarms shall be provided in accordance with Section R310.1.
R310.3 Alarm requirements. The required carbon monoxide alarm shall be available in all bedrooms and sleeping areas with all sleeping doors closed. Single carbon monoxide alarms shall be tested in compliance with UL 2131 and shall be installed in accordance with the code and the manufacturer's installation instructions.



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

SMOKE ALARMS

SECTION R314
R314.1 Smoke detection and notification. All smoke alarms shall be listed in accordance with UL 717 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 as required by the 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 permitted means of the occupancy and covered by the requirements. The system shall be maintained by an approved supervising agency and be maintained in accordance with NFPA 72.
Exception: Where smoke alarms are provided meeting the requirements of Section R314.1.
R314.3 Locations. 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 attic (finished) but not including crawl spaces, unhabitable attic (finished) areas and unfinished attics (unfinished) attics, in multi-unit dwellings with self-tests and either an interconnecting alarm 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.
 Where more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the activation 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 where such wiring is served from a permanent source, and where primary power is not used, shall receive power from a battery. Wiring shall be permanent and without a disconnecting means other than those required for equipment protection. Backup alarms shall be interconnected.

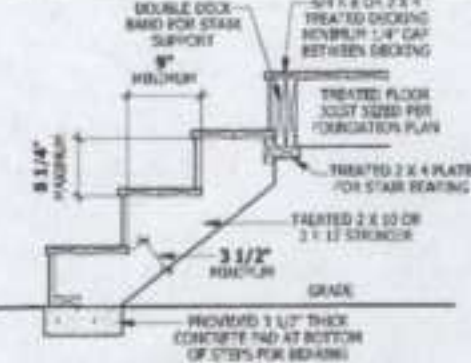


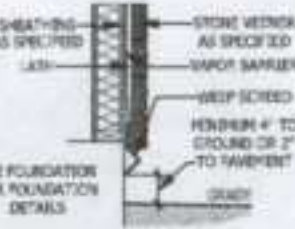
FIGURE AM110
TYPICAL DECK STAIR DETAIL
SCALE 3/4" = 1'-0"

DECK STAIR NOTES

SECTION AN100
AN100.1 Stairs shall be constructed per Figure AM110. Stringer spans shall be no greater than 1' that span between supports. Bracing between stringers shall be based upon decking material used per AN100.1.1. Each stringer shall have a minimum 2 x 2 joist between each end and back of stringer. 3 used, supported hangers shall be attached with 2x4 with galvanized bolts with nuts and washers to securely support stringers at the top.

WEEP SCREEDS

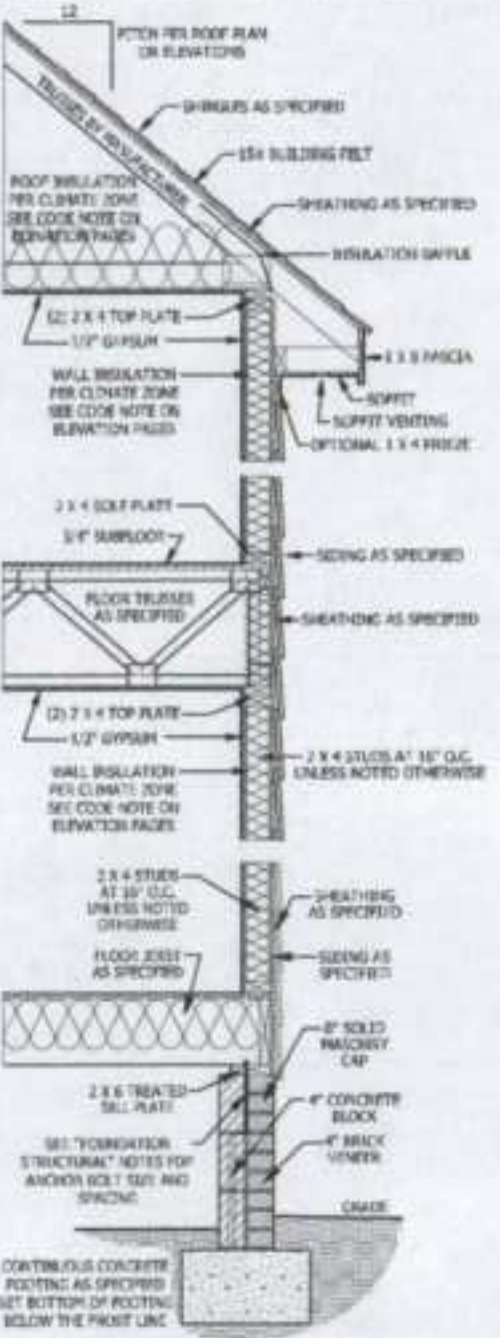
All weep screeds and stone veneer to be installed per manufacturer's instructions and per the 2012 North Carolina Residential Building Code.
R702.2.1.1 - A minimum 0.013-inch (0.3 mil) (30 mil) galvanized steel plate. corrosion-resistant weep screed or plastic weep screed with a minimum vertical attachment flange of 3/16 inches (9.5 mm) shall be provided at or below the foundationable line on exterior wall walls in accordance with ASTM C955. The weep screed shall be placed a minimum of 4 inches (102 mm) above the studs by 2 inches (51 mm) above panel joints and shall be of a type that will allow trapped water to drain to the exterior of the building. The weather-resistant barrier shall be attached to the attachment flange of the weep screed.



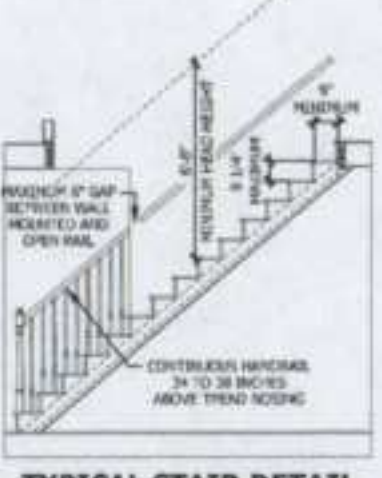
WEEP SCREED
SCALE 3/4" = 1'-0"

STAIRWAY NOTES

R310.2
R310.2.1 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 separating the tread nosing or from the base surface of the landing or platform or from the bottom of the stairway.
R310.2.2 **Stringer height.** The maximum stringer height shall be 6 1/4 inches (162 mm). The rise shall be measured vertically between leading edges of the adjacent treads.
R310.2.3 **Tread depth.** The maximum 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 90-degree angle to the tread's leading edge. Where treads shall have a minimum lead depth of 9 inches (229 mm) measured at above at a point 12 inches (305 mm) from the slope where the nosing is removed. Where treads shall have a minimum tread depth of 4 inches (102 mm) at any point.
R310.2.4 **Profile.** The radius of curvature at the nosing shall be no greater than 1/16 inch (1.6 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 nosing.
R310.2.5 **Handrails.** Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more treads.
R310.2.6 **Height.** Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or from surface of nosing slope, shall be not less than 34 inches (863 mm) and not more than 38 inches (965 mm).
Exception:
 1. The use of a return, balustrade or starting nosing shall be allowed over the lowest tread.
 2. When handrail strings or handrails are used to provide continuous transition between flights, the transition from handrail to handrail, or used at the start of a flight, the handrail height at the fittings or handrails shall be permitted to exceed the maximum height.
R310.2.7 **Continuity.** Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top rise of the flight to a point directly above the lowest nosing of the flight. Handrail ends shall be returned or shall terminate in closed ends or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 1/2 inch (38 mm) between the wall and the handrail.
Exception:
 1. Handrails shall be permitted to be interrupted by a need post.
 2. The use of a return, balustrade, starting nosing or starting nosing 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 terminating between a well-matched handrail and a general handrail, the well-matched rail must return into the wall.



TYPICAL WALL SECTION
SCALE 3/4" = 1'-0"



TYPICAL STAIR DETAIL
SCALE 1/4" = 1'-0"

PLAN AND ELEVATION SHALL BE PROVIDED FOR ALL EXTERIOR WALLS AND FOUNDATIONS. SEE CHAPTER 45 FOR FOUNDATION REQUIREMENTS. SEE CHAPTER 45 FOR FOUNDATION REQUIREMENTS. SEE CHAPTER 45 FOR FOUNDATION REQUIREMENTS.

TYPICAL DETAILS
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SQUARE FOOTAGE
HEATED
UNHEATED

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181045B
PAGE 8 OF 8

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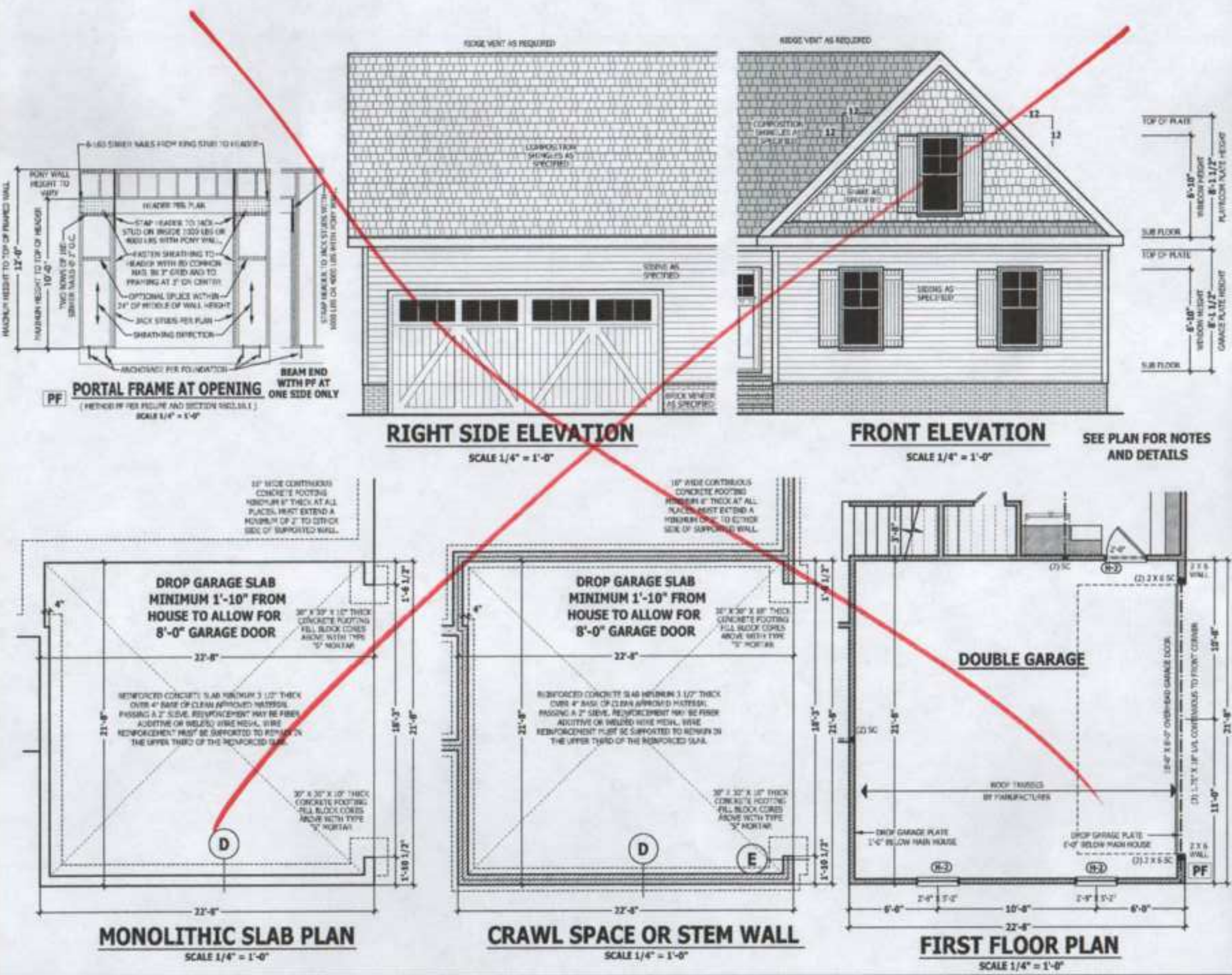
SIDE LOAD ADDENDUM
Windsor

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SQUARE FOOTAGE	
HEATED	1,100
COLD	1,100
UNHEATED	1,100
TOTAL	3,300

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ADDENDUM



SEE PLAN FOR NOTES AND DETAILS