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

MEAN ROOF	HEIGHT: 17-2	2	HEIGHT TO F	UDGE: 25'-6"	
CLIMATE ZO	NE	ZONE 3A	ZONE 4A	ZONE 5A	
FENESTRATION	U-FACTOR	0.35	0.35	0.35	
SKYLIGHT U-FA	CTOR	0.55	0.55	0.55	
GLAZED FENES	TRATION SHGC	0.30	0.30		
CELLING R-VALL	E	38 or 30d	38 or 30d	38 or 30d	
WALL R-VALUE		15	15	19	
FLOOR R-VALUE		19	19	30	
* BASEMENT W		5/13	10/15	10/15	
** SLAB R-VALL	Æ	0	10	10	
* CRAWL SPACE	WALL R-VALUE	5/13	10/15	10/19	
FOOTING; INSU	97th with Monolit Ation Depth with ID Speed of 120 Mpi	STEM WALL SLAB 2	H" OR TO BOTTOM	OF FOUNDATION W	
FOOTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1	ATION DEPTH WITH ID SPEED OF 120 MPI & CLADDING UP TO 30' 14.2 -15.0	STEH WALL SLAB 2 H, 3 SECOND GLST DESIGNED FO 30'-1" TO 35" 14.9 -15.8	* OR TO BOTTOM (33 FASTEST MILE) R THE FOLLON 35'-1" TO 40' 15.5 -16.4	OF FOUNDATION W EXPOSURE "B" WING LOADS 40'-1" TO 45" 15.9 -16.8	
FOOTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF	Ation Depth With ID Speed of 120 Mpi & Cladding UP to 30'	STEH WALL SLAB 2 H, 3 SECOND GLST DESIGNED FO 30'-1" TO 35" 14.9 -15.8 14.9 -18.9	N° OR TO BOTTOM (93 FASTEST MILE) R THE FOLLOW 35'-1" TO 40'	OF FOUNDATION V EXPOSURE "B" <u>WTING LOADS</u> 40'-1" TO 45 15.9 -16.8 15.9 -20.2	
ROTTING; INSUI DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 2	ATION DEPTH WITH D SPEED OF 120 MPI 8. CLADDING UP TO 30' 14.2 -15.0 14.2 -18.0	STEH WALL SLAB 2 H, 3 SECOND GLST DESIGNED FO 30'-1" TO 35" 14.9 -15.8 14.9 -18.9	* OR TO BOTTOM (33 FASTEST MILE) R THE FOLLOW 35'-1" TO 40" 15.5 -16.4 15.5 -19.6 15.5 -19.6	OF FOUNDATION V EXPOSURE '8' MING LOADS 40'-1" TO 45 15.9 -16.8 15.9 -20.2 15.9 -20.2	
ROTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 2 ZONE 3	ATION DEPTH WITH D SPEED OF 120 MPI 8. CLADDING UP TO 30' 14.2 -15.0 14.2 -18.0 14.2 -18.0	STEH WALL SLAB 2 H, 3 SECOND GLST DESIGNED FO 30'-1" TO 35" 14.9 -15.8 14.9 -18.9 14.9 -18.9	* OR TO BOTTOM (33 FASTEST MILE) R THE FOLLOW 35'-1" TO 40" 15.5 -16.4 15.5 -19.6 15.5 -19.6	OF FOUNDATION V EXPOSURE "B" WING LOADS 40'-1" TO 45 15.9 -16.8 15.9 -20.2 15.9 -20.2 15.9 -20.2	
ROTTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 2 ZONE 3 ZONE 4 ZONE 5	ATION DEPTH WITH D SPEED OF 120 MP 8. CLADDING UP TO 30' 14.2 -15.0 14.2 -18.0 14.2 -18.0 15.5 -16.0	STEH WALL SUB 2 H, 3 SECOND GUST DESIGNED FO 30'-1' TO 35' 14.9 -15.8 14.9 -18.9 14.9 -18.9 16.3 -16.8 16.3 -21.0	* OR TO BOTTOM (93 FASTEST MILE) R THE FOLLO 35-1* TO 40' 15.5 -16.4 15.5 -19.6 15.5 -19.6 16.9 -17.4 16.9 -21.8	OF FOUNDATION V EXPOSURE "B" MTING LOADS 40'-1" TO 45 15.9 -16.8 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4	
ROTTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 2 ZONE 3 ZONE 4 ZONE 5	ATION DEPTH WITH D SPEED OF 120 NPI & CLADDING UP TO 30' 14.2 -15.0 14.2 -18.0 14.2 -18.0 15.5 -16.0 15.5 -20.0	STEH WALL SUB 2 H, 3 SECOND GUST DESIGNED FO 30'-1' TO 35' 14.9 -15.8 14.9 -18.9 14.9 -18.9 16.3 -16.8 16.3 -21.0	* OR TO BOTTOM (93 FASTEST MILE) R THE FOLLO 35-1* TO 40' 15.5 -16.4 15.5 -19.6 15.5 -19.6 16.9 -17.4 16.9 -21.8	OF FOUNDATION W EXPOSURE '8' MING LOADS 40'-1" TO 45 15.9 -16.8 15.9 -20.2 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4 EXPOSURE '8'	
ROTTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 2 ZONE 3 ZONE 4 ZONE 5	ATION DEPTH WITH D SPEED OF 120 NP 8. CLADDING UP TO 30' 14.2 -15.0 14.2 -15.0 14.2 -18.0 15.5 -16.0 15.5 -20.0 D SPEED OF 130 NP 8. CLADDING	STEM WALL SUB 2 4, 3 SECOND QLST DESIGNED FO 30'-1" TO 35" 14.9 -15.8 14.9 -18.9 14.9 -18.9 14.9 -18.9 16.3 -16.8 16.3 -21.0 4, 3 SECOND QLST DESIGNED FO	N° OR TO BOTTOM (33 FASTEST MLE) R THE FOLLO 35'-1° TO 407 15.5 -16.4 15.5 -19.6 15.5 -19.6 15.5 -19.6 16.9 -17.4 16.9 -21.8 (101 FASTEST MLE R THE FOLLO	OF FOUNDATION W EXPOSURE '8' MING LOADS 40'-1" TO 45 15.9 -16.8 15.9 -20.2 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4 EXPOSURE '8'	
ROTING: INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 1 ZONE 2 ZONE 3 ZONE 3 ZONE 5 DESIGNED FOR WIN COMPONENT	ATION DEPTH WITH D SPEED OF 120 NP 8. CLADDING UP TO 30' 14.2 -15.0 14.2 -15.0 14.2 -18.0 15.5 -16.0 15.5 -20.0 D SPEED OF 130 NP 8. CLADDING	STEM WALL SUB 2 4, 3 SECOND QLST DESIGNED FO 30'-1" TO 35" 14.9 -15.8 14.9 -18.9 14.9 -18.9 14.9 -18.9 16.3 -16.8 16.3 -21.0 4, 3 SECOND QLST DESIGNED FO	N° OR TO BOTTOM (33 FASTEST MLE) R THE FOLLOV 35'-1" TO 407 15.5 -19.6 15.5 -19.6 15.5 -19.6 15.5 -19.6 16.9 -17.4 16.9 -21.8 (101 FASTEST MLE R THE FOLLOV	OF FOUNDATION W EDPOSURE "8" MTING LOADS 40"-1" TO 45 15.9 -20.2 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4 EDPOSURE "8" MTING LOADS	
ROTING; INSU DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 1 ZONE 2 ZONE 2 ZONE 3 ZONE 4 ZONE 5 DESIGNED FOR WIN COMPONENT MEAN ROOF	ATTON DEPTH WITH D SPEED OF 120 MP & CLADDING UP TO 30" 14.2 -15.0 14.2 -18.0 15.5 -16.0 15.5 -20.0 D SPEED OF 130 MP & CLADDING UP TO 30"	STEM WALL SUB 2 M, 3 SECOND QLST DESIGNED FO 30'-1" TO 35' 14.9 -15.8 14.9 -18.9 14.9 -18.9 16.3 -16.8 16.3 -21.0 M, 3 SECOND QLST DESIGNED FO 30'-1" TO 35'	4" OR TO BOTTOM (2) FASTEST MILE) R THE FOLLOV 35'-1" TO 40" 15.5 -19.6 15.5 -19.6 15.5 -19.6 15.5 -19.6 16.9 -21.8 (0) FASTEST MILE R THE FOLLOV 35'-1" TO 40"	OF FOUNDATION W EXPOSURE '8' MING LOADS 40'-1' TO 45' 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4 EXPOSURE '8' MING LOADS 40'-1' TO 45' 18.7 -20.2	
ROTING; INSU DESIGNED FOR WAY COMPONENT MEAN ROOF ZONE 1 ZONE 2 ZONE 3 ZONE 3 ZONE 4 ZONE 5 DESIGNED FOR WAY COMPONENT MEAN ROOF ZONE 1	ATION DEPTH WITH D SPEED OF 120 MP & CLADDING UP TO 30' 14.2 -15.0 14.2 -15.0 15.5 -16.0 15.5 -20.0 D SPEED OF 131 MP & CLADDING & CLADDING UP TO 30' 16.7 -18.0	STEH WALL SA& 2 M, 3 SECOND GLST DESIGNED FOO DESIGNED FOO 30'-1' TO 35' 14.9 -18.9 14.9 -18.9 14.9 -18.9 14.9 -18.9 16.3 -16.8 16.3 -21.0 M, 3 SECOND GLST DESIGNED FOO DESIGNED FOO 30'-1' TO 35' 17.5 -18.9	4" OR TO BOTTON 30 FASTEST MLE R THE FOLLOO 35-1" TO 40" 15.5 -19.6 15.5 -19.6 15.5 -19.6 15.5 -19.6 15.5 -19.6 16.9 -21.8 10.1 FASTEST MLE R THE FOLLOO 15.5'-1° 0.40" 18.2 -19.6	OF FOUNDATION W DPOSURE '8' MTING LOADS 40'-1" TO 45' 15.9 -16.8 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4 DPOSURE '8' MTING LOADS 40'-1" TO 45' 18.7 -20.2 18.7 -20.2 18.7 -20.2	
ROTING; INSU DESIGNED FOR WIN COMPONENT ZONE 1 ZONE 1 ZONE 2 ZONE 3 ZONE 4 ZONE 5 DESIGNED FOR WIN COMPONENT MEAN ROOF ZONE 1 ZONE 2	ATION DEPTH WITH D SPED OF 121 MP & CLADDING UP TO 30' 14.2 -15.0 14.2 -18.0 15.5 -16.0 15.5 -20.0 DSEED OF 131 MP & CLADDING UP TO 30' 16.7 -18.0	STEH WALL SA& 2 M, 3 SECOND QLST DESIGNED FOO 30'-1' TO 35' 14.9 -15.8 14.9 -18.9 16.3 -16.8 16.3 -21.0 M, 3 SECOND QLST DESIGNED FOO 30'-1' TO 35' 17.5 -18.9 17.5 -22.1	4" OR TO BOTTOM (30 FASTEST MLE) R THE FOLLOV 35'-1" TO 40' 15.5 - 19.6 15.5 - 19.6 15.5 - 19.6 16.9 - 17.4 16.9 - 21.8 (101 FASTEST MLE R THE FOLLOV 35'-1" TO 40' 18.2 - 19.6 18.2 - 22.9	OF FOUNDATION W DPOSURE '8' MTING LOADS 40'-1" TO 45' 15.9 -16.8 15.9 -20.2 15.9 -20.2 17.4 -17.9 17.4 -22.4 DPOSURE '8' MTING LOADS 40'-1" TO 45' 18.7 -20.2 18.7 -20.2 18.7 -20.2	

ROOF VENTILATION

SECTION R806

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SQUARE FOOTAGE OF ROOF TO BE VENTED = 2,111 SQ.FT. NET FREE CROSS VENTILATION NEEDED:

WITHOUT 50% TO 80% OF VENTING 3'-0" ABOVE EAVE = 14.07 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 = 7.04 SQ.FT.

GUARD RAIL NOTES

SECTION R312

SECTION R312 R313.1 Where required. Guards shall be located along open-sided walking surfaces, including stairs, ramps and landings, that are located more than 30 indres (752 mm) massard vertically to the close of the open side. Lineed screening shall not be considered as a guard. R312.2 Height Required guards to open-sided walking surfaces, including stairs, porches, balonnies or landings, shall be not less than 36 inches (914 mm) high massard vertically above the adjacent walking surfaces, edicent fixed stating 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 Where the top of the guard also serves as a handrail on the open sides of

three the copy of the guard back serves as a limit of an of the open sees of stars, bit to point the guard back and the not less than 34 inches (664 mm) and not more than 38 inches (965 mm) neasured 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.

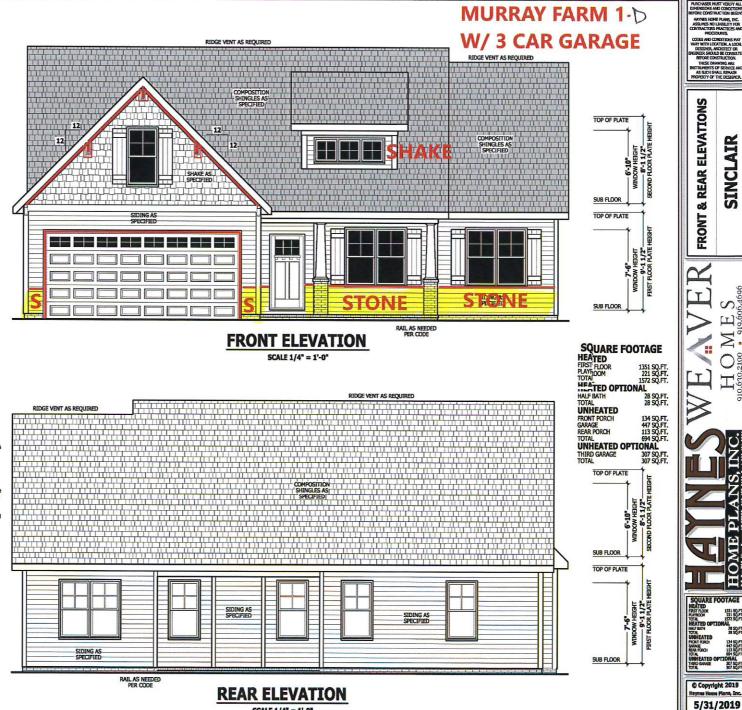
Exceptions: The triangular openings at the open side of a stair, formed by the riser, tread and bottom rail of a *guard*, shall not allow passage of a sphere 6 inches (153 mm) in diameter.

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

AIR LEAKAGE

AIR LEARAGE Section N11024 N11024.1 Studding thermal envelops. The building thermal envelope shall be durably availed with an air barrier system to limit inflamion. The sealing methods between disaining maturals shall where present, the following shall be called, gasteded, weither stripped or duraviers sealed with an air barrier maturals and material consistent with Appendix E-2.4 of this code: 1. Blocking and sealing flowing limit grystems and under knee wells open to unconditioned or exterior space. 2. Capping and sealing softict or dropped calling flue shafts. 3. Capping and sealing softict or dropped calling areas.





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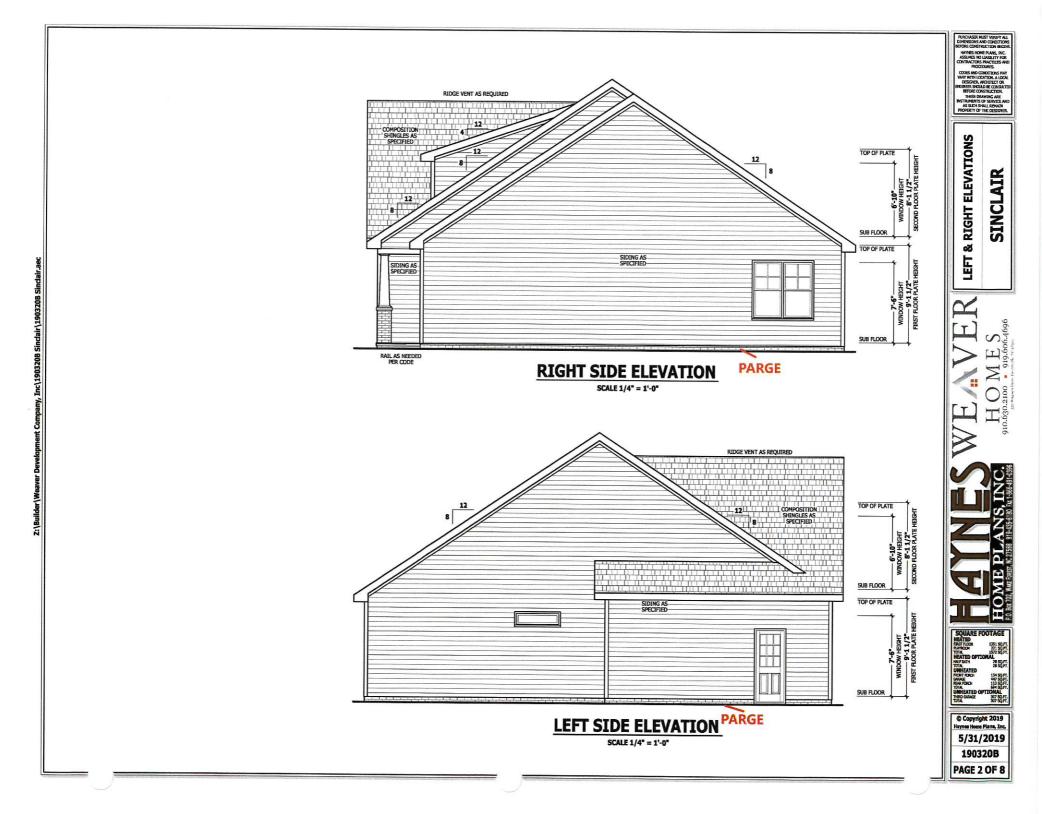
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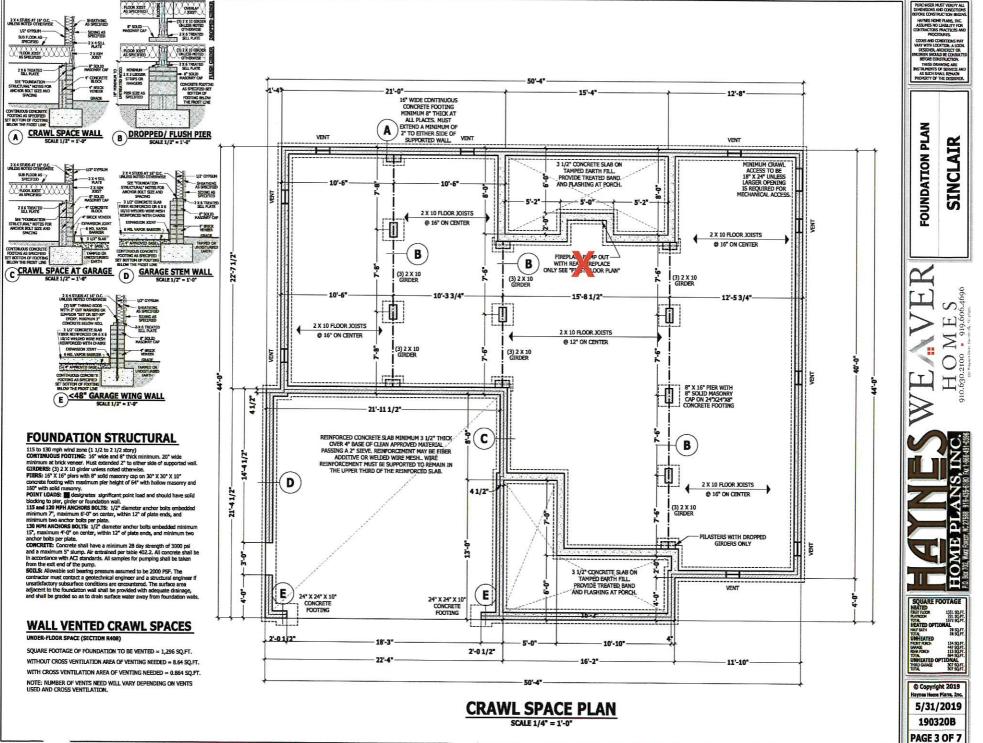
28 SQ.FT. 28 SQ.FT.

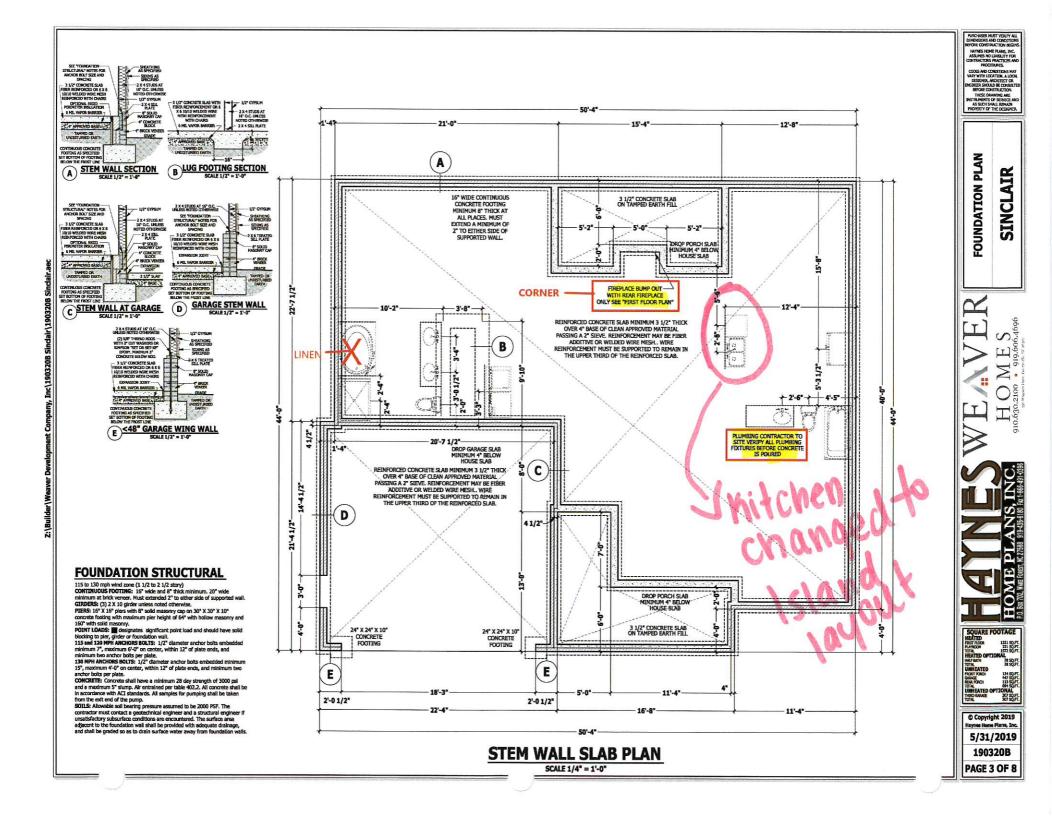
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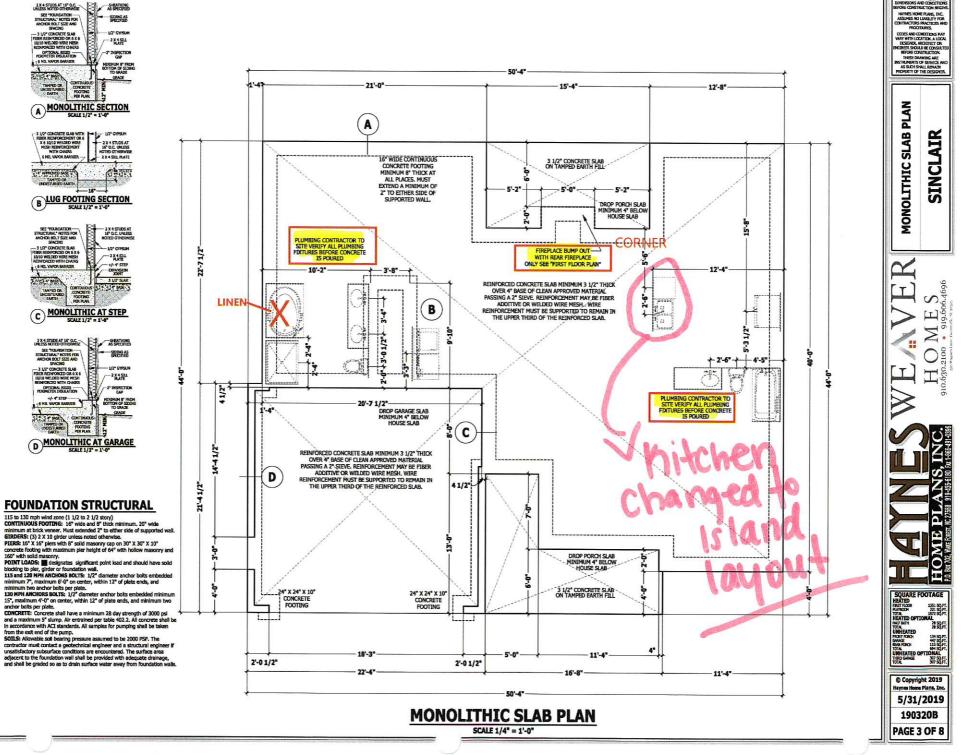
190320B PAGE 1 OF 8

SCALE 1/4" = 1'-0"

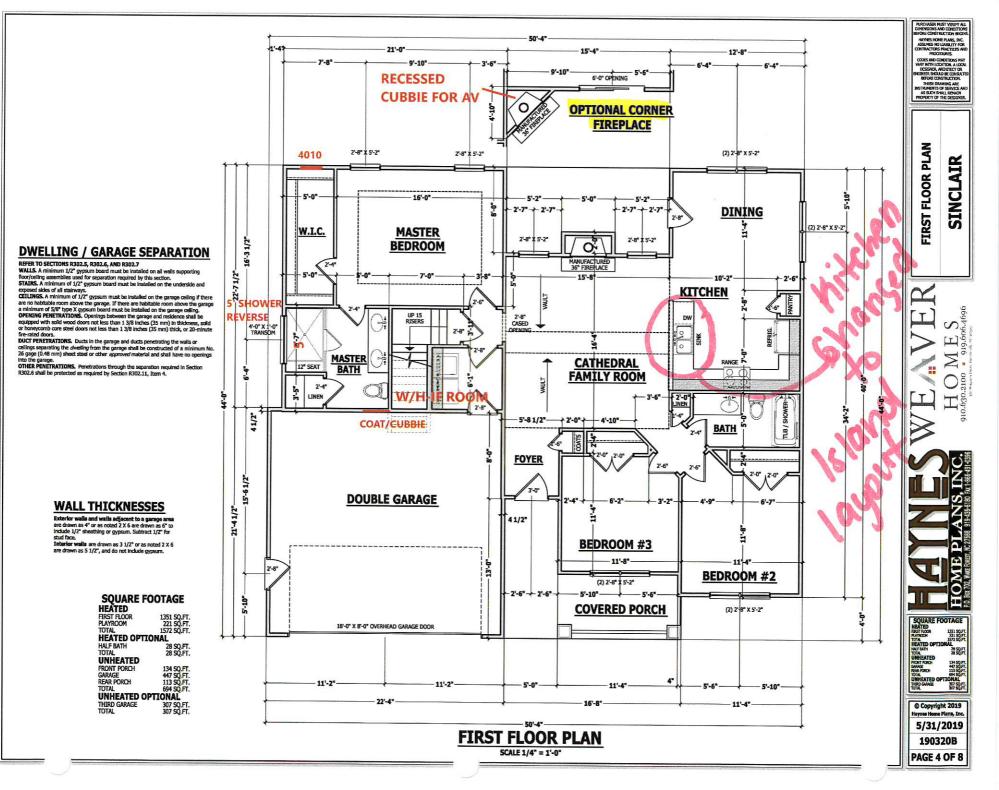








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STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 North Carolina Residential Building Code, plus all local codes and regulations. This document in no way shall be construed to supersede the code.

JOB SITE PRACTICES AND SAFETY: Haynes Home Plans, Inc. assumes no liability for contractors practices and procedures or safety program. Haynes Home Plans, I.n.: 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)	(山)	
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 (UV.) = 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 (USL) Fb=2250 PSI, Fv=400 PSI, E=1.55x10⁶ PSI Instal 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 1-plots shall be installed according to the manufacture's specifications. Any change in truss or 1-joist layout shall be condinated with Hanynes Homes Pans, Inc. LINTELS: Brick lintels shall be 3 1/2" x 3 1/2" x 1/4" steel angle for up to LINTELS: Sink linkes shall be 3 $1/2^{*} \times 3 1/2^{*} \times 1/4^{*}$ steel angle for up to 6-0° span. 6* v4* 5 5/16* steel angle with 6° lag vertical for spans up to 9*0° unless noted otherwise. 3 $1/2^{*} \times 3 1/2^{*} \times 1/4^{*}$ steel angle with $1/2^{*}$ bols at 2*.4° on center for spans up to 18-0° unless noted otherwise. FLOOR SHEATNING: OSB or CDX floor sheathing minimum 1/2* thick for 18° on center joist spacing, and minimum 3/4* thick for 24° on center joist spacing, and minimum 3/4* thick for 18° on center joist spacing. ROOF SHEATNING: OSB or CDX on desabling minimum 3/4* thick for 16° on center joist spacing. ROOF SHEATNING: OSB or CDX on desabling minimum 3/6* thick for 16° on center for SULS. See for undexide nontex.

BRACE WALL PANEL NOTES

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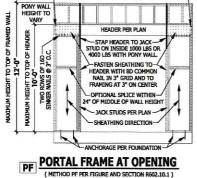
EXTERIOR WALLS: All exterior walls to be sheathed with CS-WSP or CS-SFB in accordance with section R602.10.3 unless noted otherwise. GYPSUM: All Interior sides of exterior walls and both sides

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 R502.10.1. 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

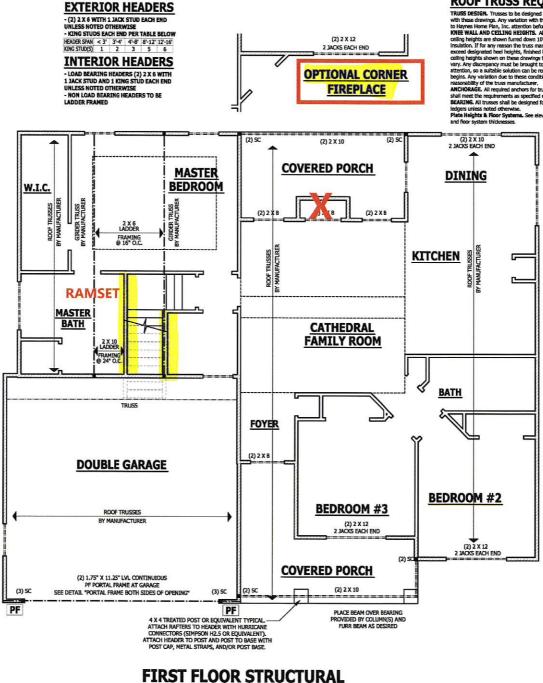
of the brace wall panel closets to the corner. Methods Per Table R602.10.1 CS-WSP: Shall be minimum 3/8" OSB or CDX nailed at 6" on LS-MS*: Shall be minimum 3/b* CSs of CDX haleb at 6* on center at edges and 12* on center at intermediate supports with 6d common nails or 8d(2 1/2* long x 0.113* diameter). CS-SF8: 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 and the support of the s

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

um 5d cooler nails or #6 scr PF: Portal fame per figure R602.10.1 -6-16D SINKER NATI S FROM KING STUD TO HEADER-



SCALE 1/4" = 1'-0"



SCALE 1/4" = 1'-0"

ROOF TRUSS REQUIREMENTS

TRUSS DESIGN. Trusses to be designed and engineered in accordance With these drawings. Any variation with these drawings must be brought to Haynes Home Plan, Inc. attention before construction begins. KINEE 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 insulation: If nor any reason the trust manufacturer reas to meet or exceed designated heet heights, finished knew well heights, or finished celling heights shown on these drawings the finished square footage mu vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a suitable solution can be reached before construction are footage may 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



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HAYNES HOME PLANS, INC ISSUMES NO LIABILITY FO

PROCEDURES CODES AND CONDITIONS MAY VARY WITH LOCATION, A LOCA DESIGNER, MEDITECT OR NGINEER, SHOULD BE CONSULT BEFORE CONSTRUCTION.

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

STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 North Carolina Residential Building Code, plus all local codes and regulations. This document in no way shall be construed to supersede the code. Document in no way sial be consciout to superside the code. JOB STEF 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 falue to carry act the construction work in accordance with the contract documents. All members shall be framed, anthored, and braced in accordance with good construction practice and the building code.

DESIGN LOADS	LIVE LOAD	DEAD LOAD	DEFLECTION	
USE	(PSF)	(PSF)	(山)	
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	
Guardralls and handralls	200	-	-	
Guardrall 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 :

ereancesce word societist : Laminated worker lumber (1x1) = Fib=2600 PSI, Pv=285 PSI, E=1.9x109 PSI Parallel stand lumber (93.) = Fib=2600 PSI, Pv=205 PSI, Fib=2000 PSI Laminated stand lumber (15.1) = Fib=2500 PSI, Pv=205 PSI, Fib=2000 PSI Instal al connections per manufactures infeructions. TRUSS AND JOINT HEMBERS. Al roof tonus and Joint 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 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. **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.

to Hymes Hone Plan, Inc. attention before construction begins. **INDEWALL MD CELTURS HEIGHTS.** All firsheld nose wall heights and celling heights are shown furred down 30⁴ from roof decking for insulation. If for any resson the trues manufacturer fails to meet or exceed designated heel heights, finished knew wall heights, or finished celling heights shown on these drawings the finished square foctage may vary. Any discrepancy must be brought to Haynes Home Plans, Inc. attention, so a uniable solution can be reached before construction begins. Any variation due to these conditions not being met is the meanohiltip of the homes mend-facturer. ity 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.

> **EXTERIOR HEADERS** - (2) 2 X 6 WITH 1 JACK STUD EACH END UNLESS NOTED OTHERWISE

> - KING STUDS EACH END PER TABLE BELOW HEADER SPAN < 3' 3'-4' 4'-8' 8'-12' 12'-16' KING STUD(S) 1 2 3 5 6

INTERIOR HEADERS

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

ATTIC ACCESS

SECTION R807

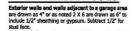
R807.1 Attic access. An attic access opening shall be provided to attic areas that exceed 400 square feet (37.16 m2) and have a vertical height of 60 inches (1524 mm) or greater. The net a vertocal neight or buildness (1524 mm) or greater: The net clear opening shall not be less than 20 inches by 30 inches (508 mm by 762 mm) and shall be located in a hallway or other readily accessible location. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See Section M1305.1.3 for access requirements where mechanical equipment is located

in attics.

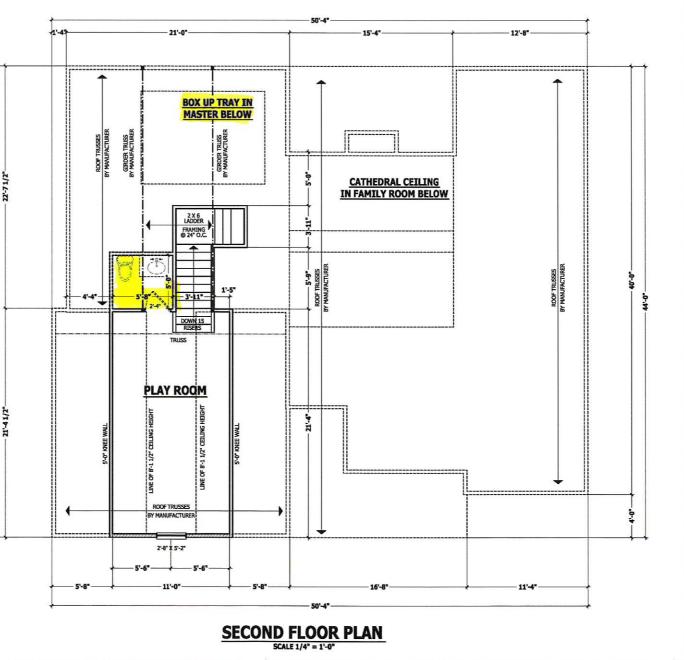
1. Concealed areas not located over the main structure including porches, areas behind knee walls, dormers, bay windows, etc. are not required to have access. 2. Pull down stair treads, stringers, handrails, and hardware may

protrude into the net clear oper

WALL THICKNESSES



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.



PURCHASER MUST VERIEV ALL DIMENSIONS AND CONDITION

HAYNES HOME PLANS, INC

PROCEDURES CODES AND CONDITIONS MAY VARY WITH LOCATION, & LOCA DESIGNER, ARCHITECT OR NGDIEER SHOULD BE CONSULT BEFORE CONSTRUCTION.

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

SECOND FLOOR PLAN

SQUARE FOOTAGE HEATED THAT RLOOK 1351 SOLFT.

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laynes Home Plans, Inc.

5/31/2019

190320B

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EATED OPT

HEATED
 INFEATED

 INT FORCH
 134 SD/FT.

 INGE
 449 SD/FT.

 INGE
 449 SD/FT.

 INGE
 449 SD/FT.

 INGE
 464 SD/FT.

 INGE
 644 SD/FT.

 INGE
 347 SD/FT.

 INGE
 347 SD/FT.

 INGE
 347 SD/FT.

 INGE
 347 SD/FT.

1351 SOFT. 221 SOFT. 1577 SOFT.

28 SOFT.

SINCLAIR

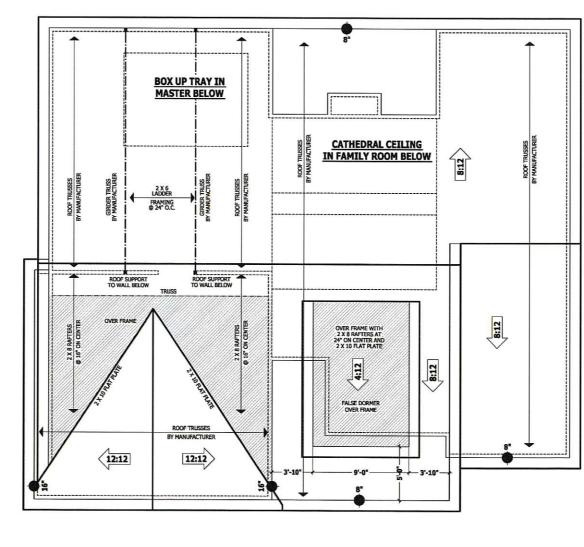
ROOF TRUSS REQUIREMENTS

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. attendon before construction begins. NORE WALL AND CEILING HEIGHTS. All finished knee wall heights and KNEE WALL AND CEILINE HEIGHTS. All finished knee wall heights and ceiling heights are shown furned down J0² from ord dexing for insulation. If for any reason the truns manufacture fails to meet or excreed designated heal heights, finished new and heights, or finished ceiling heights shown on these drawings the finished square footage may any. Any discoupancy must be becault built heights, or finished ceiling heights shown on these drawings the finished square footage may any. Any discoupancy must be becault built heights, and finished ceiling heights shown on these drawings the finished square footage autor. Any discoupancy must be becault built heights and the pairs. Any valuation due to these conditions not being met is the begins. Any valued anchors for thoses due to upift or bearing hall meet the requirements as specified on the breas schematics. BEARING. All trustees thall be designed for bearing on SFF #2 plates or ledgers unless noted otherwise.

ledgers unless noted otherwise. Piate Heights & Floor Systems. See ele and floor system thicknesses. ation page(s) for plate heights

HEEL HEIGHT ABOVE

HEEL HEIGHT ABOVE SECOND FLOOR PLATE



PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITION BEFORE CONSTRUCTION BEGIN HORE CONSTRUCTION BEGI HAYNES HOME PLANS, INC ASSUMES NO LIABILITY FO DATRACTORS PRACTICES A PROCEDURES. CODES AND CONDITIONS PAR ARY WITH LOCATION, A LOCA DESIGNER, ARCHITECT OR GINEER SHOULD BE CONSULT ENGINEER SHOULD BE CONSUL BEFORE CONSTRUCTION THESE DRAWING ARE INSTRUMENTS OF SERVICE A AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNE

SINCLAIR

ROOF PLAN

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F.O. Box TOY

1351 SD.FT. 201 SD.FT. 1577 SD.FT. HANDON TOTAL HEATED OPTIONAL HEATED OPTIONAL HEATED STEL
 HEATED OPTIONAL

 MUFBATH
 2150 FT.

 TOTA
 2150 FT.

 TOTA
 2150 FT.

 WHEATED
 HASPET

 RENTFORCH
 114 50 FT.

 RENTFORCH
 115 50 FT.

 TOTA.
 64 50 FT.

 THEO GAMGE
 307 50 FT.

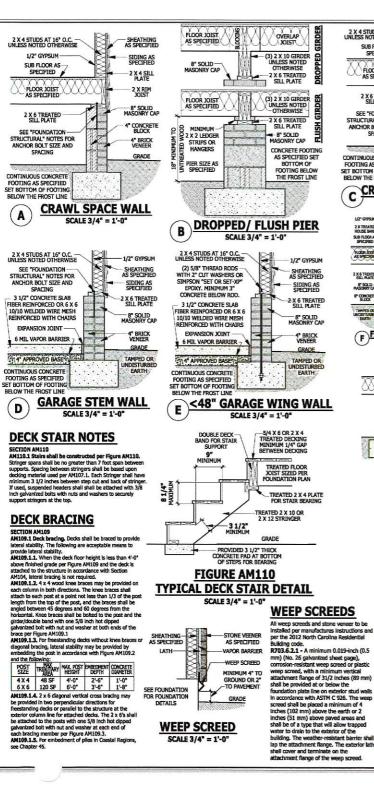
 TOTA.
 307 50 FT.

SQUARE FOOTAGE HEATED FRSTROOR 1381 SD.FT. PLAYSOCH 221 SD.FT.

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



Inc/190320B Sindair/190320B

Company,

B

Z:\Builder\Wea

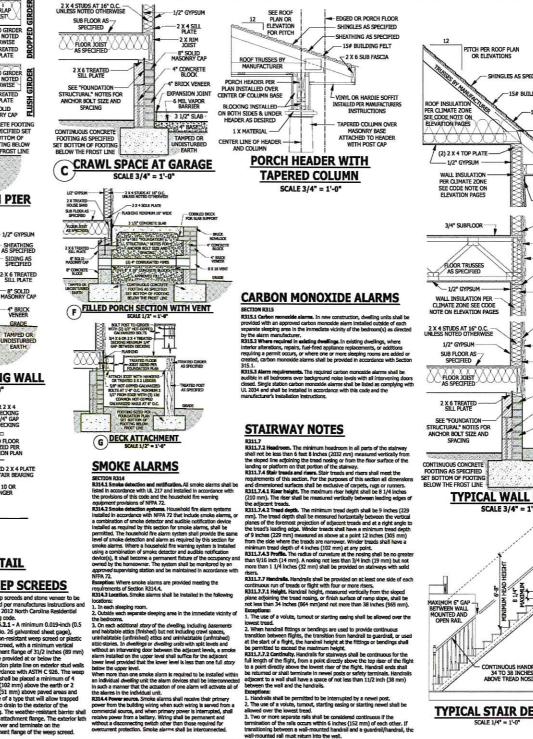
IRDER

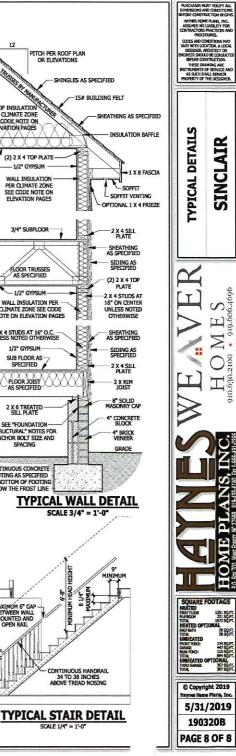
DROPPE

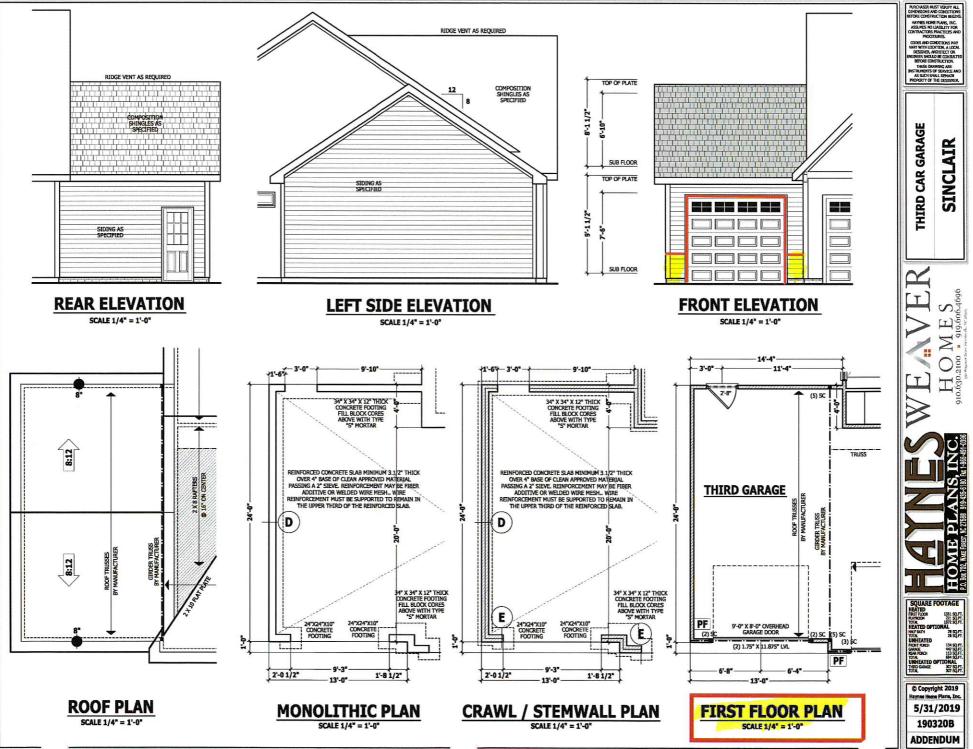
FLUSH

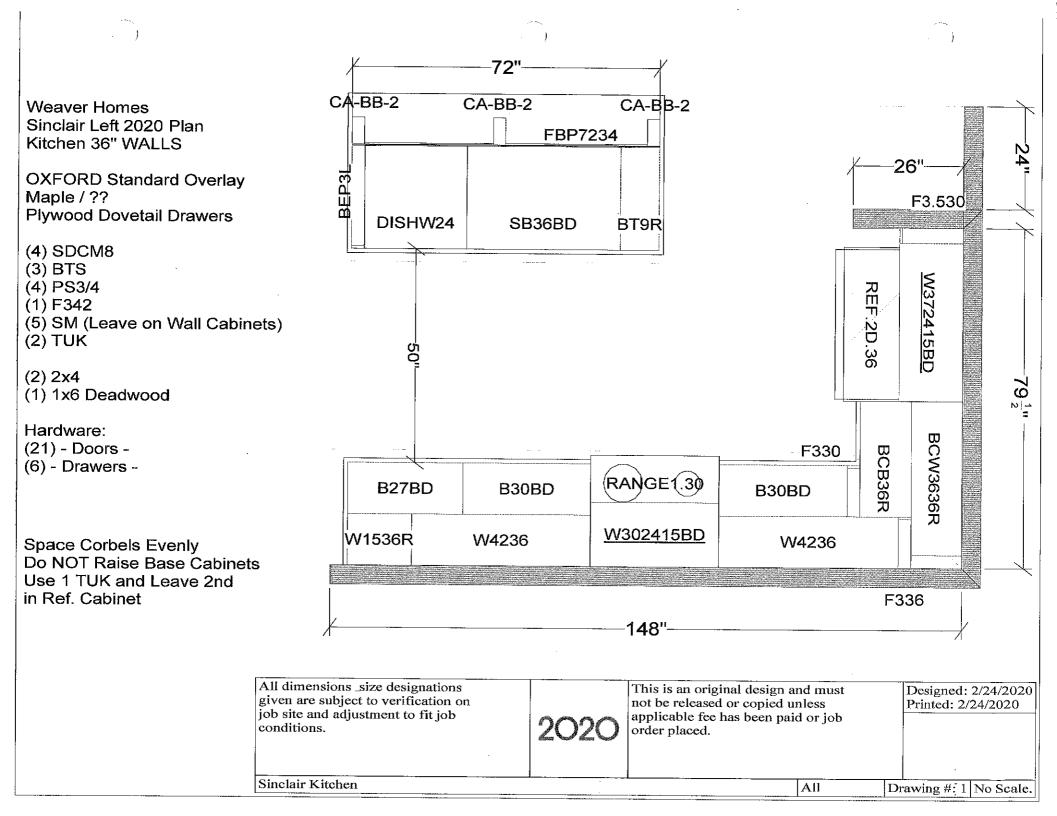
4" BRICK VENEER

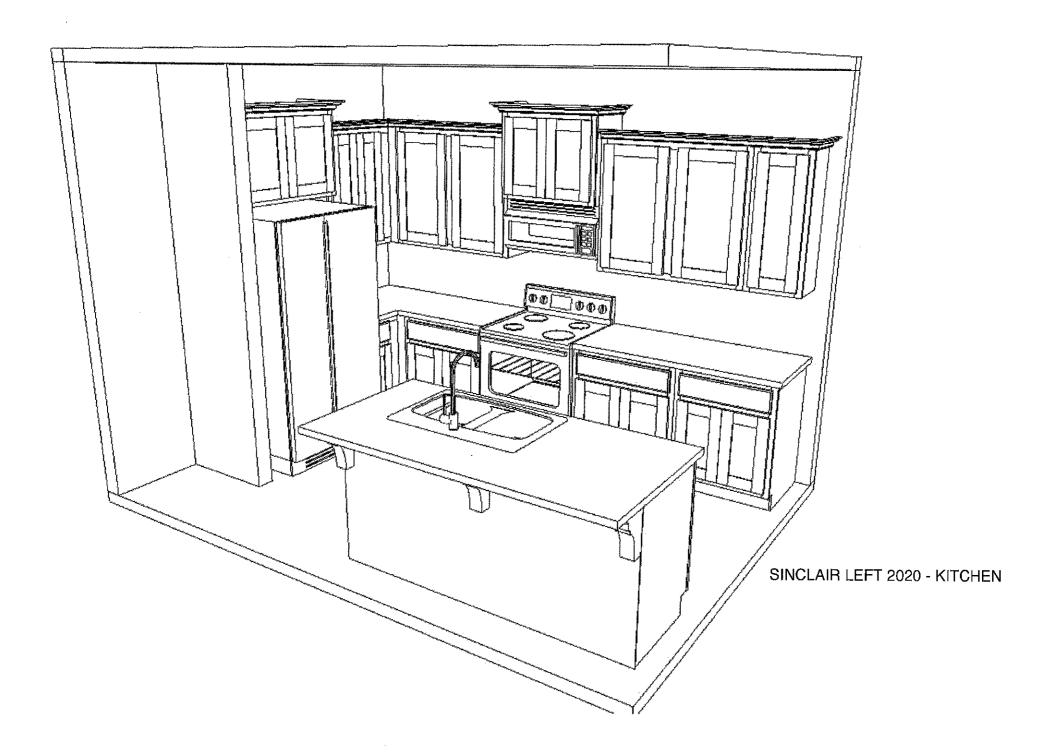
GRADE





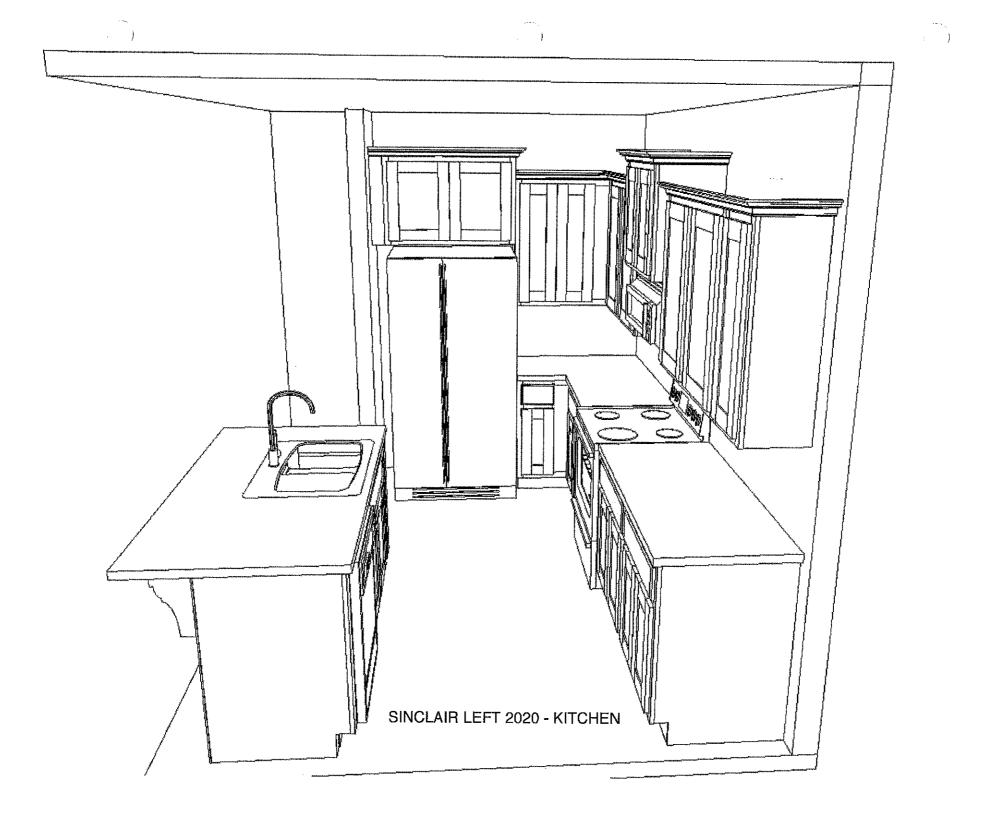


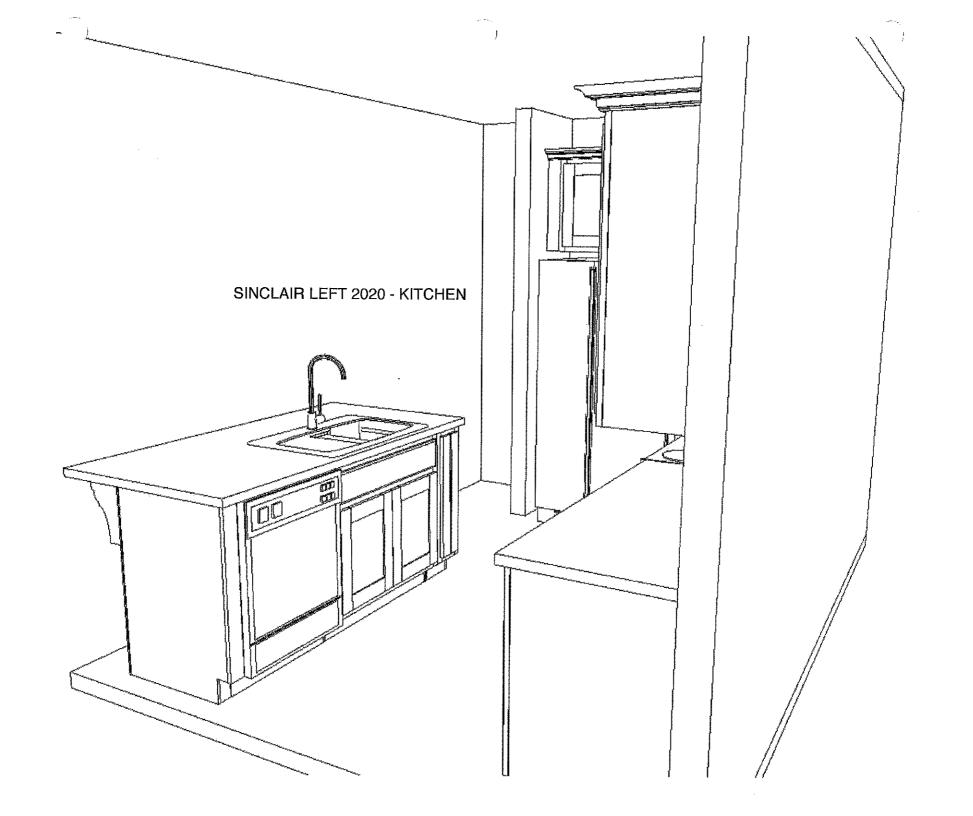


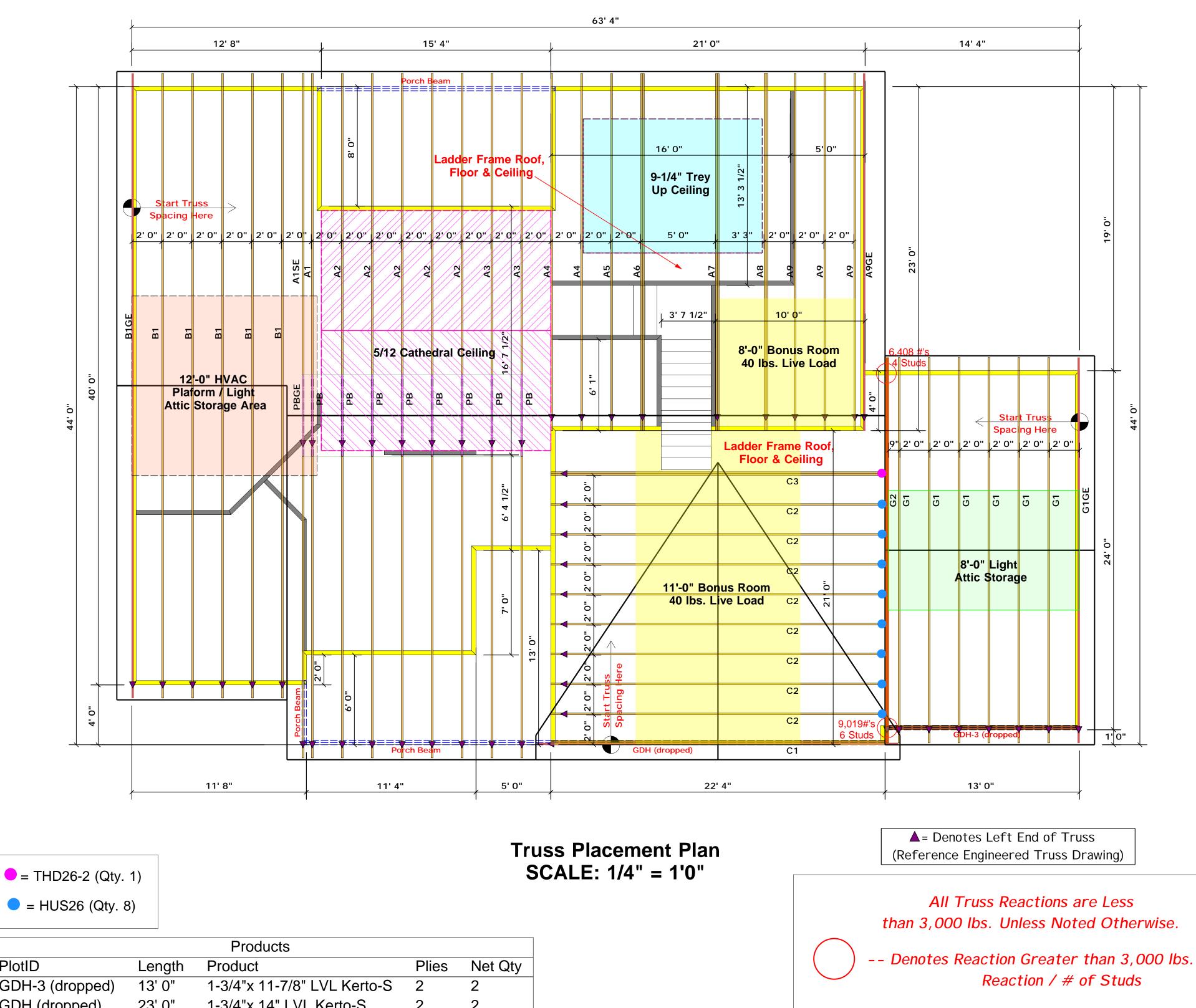


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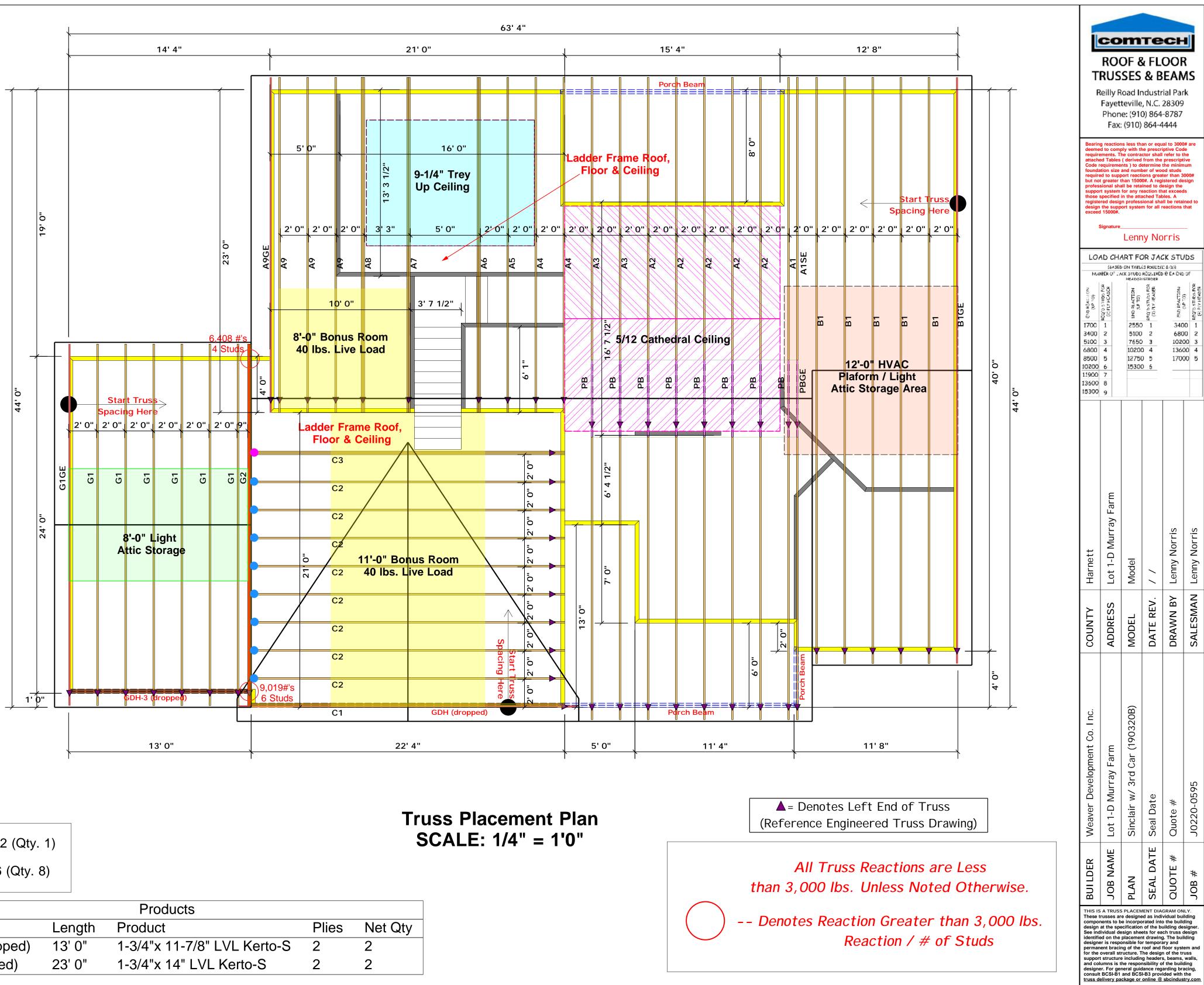






		Products		
PlotID	Length	Product	Plies	Net Qty
GDH-3 (dropped)	13' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
GDH (dropped)	23' 0"	1-3/4"x 14" LVL Kerto-S	2	2

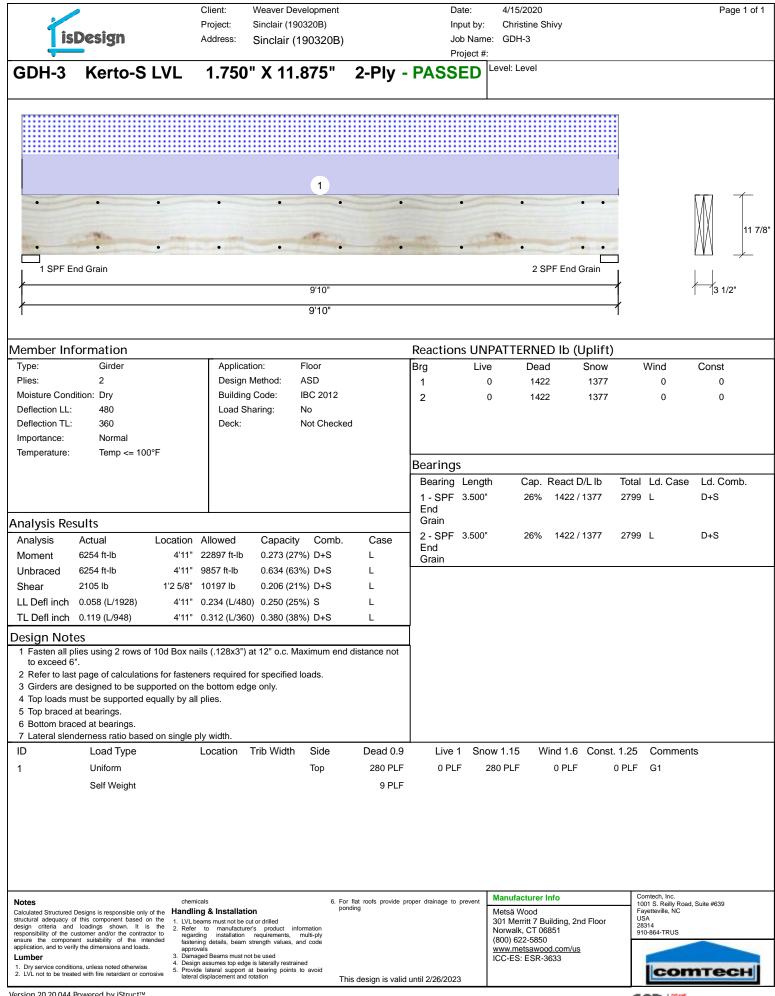
COMPTECH ROOF & FLOOR RUSSES & BEAMS Reilly Road Industrial Park Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444								
Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds to design the support system for all reactions that exceed to design the support system for all reactions that exceed 15000#.								
LOA	AD CH	ART FO	OR JAC	K STU	IDS			
LOAD CHART FOR JACK STUDS								
1700 3400 5100 6800 8500 10200 11900 13600 15300	1 2 3 4 5 6 7 8 9	2550 5100 7650 10200 12750 15300	2 3 4 5 5	340 680 1020 1360 1700	00 2 00 3 00 4			
Harnett	Lot 1-D Murray Farm	Model	11	DRAWN BY Lenny Norris	SALESMAN Lenny Norris			
COUNTY	ADDRESS	MODEL	DATE REV. / /	DRAWN BY	SALESMAN			
Weaver Development Co. I nc.	JOB NAME Lot 1-D Murray Farm	Sinclair w/ 3rd Car (190320B)	Seal Date	Quote #	J0220-0595			
BUI LDER	JOB NAME	PLAN	SEAL DATE Seal Date	QUOTE #	JOB #			
Image Imade Image Image <th< td=""></th<>								



= THD26-2 (Qty. 1) = HUS26 (Qty. 8)

PlotID GDH-3 (dropped) GDH (dropped)

_ _	sDesign	Address:	Sinclair (19				o Name: C oject #:				
GDH	Kerto-S LVL	1.750"	X 14.00)" 2-PI	y - P/	ASSEE	Leve	el: Level			
		2									
• •			• •	1	•	•	• •	•	• •	• •	m 1
· · ·				1177	-	-	1			174	1'2"
⊐ 1 SPF Ei	nd Grain								2 SPF Er	nd Grain	
·				18'10"							3 1/2"
				18'10"						ľ	
ember Ir	nformation	-					s UNPA	TERNED Ib	(Uplift)		
ype: lies:	Girder 2	Applic		oor SD	E	Brg 1	Live 0	Dead 2598	Snow 377	Wind 0	Const 0
	ndition: Dry	-		C 2012		2	0	2598	377	0	0
eflection Ll eflection Tl		Load Deck:	Sharing: N	o ot Checked							
nportance:	L. 360 Normal	Deck.	IN	JI Checkeu							
emperature	: Temp <= 100°F				Ļ						
						Bearings					
						Bearing 1 - SPF	0	Cap. Read	ot D/L lb 198 / 377	Total Ld. Case 2975 L	E Ld. Comb. D+S
						End Grain					
nalysis R malysis		cation Allowed	Capacity	Comb. (Case	2 - SPF	3.500"	28% 25	98 / 377	2975 L	D+S
/loment	11644 ft-lb	9'5" 24299 ft-lk			Jniform	End Grain					
Inbraced	13332 ft-lb	9'5" 13339 ft-lb	0.999 (100%)	D+S L		Ciuii					
Shear	2213 lb 1	'4 3/4" 9408 lb	0.235 (24%)	D	Jniform						
L Defl inch		5 1/16" 0.459 (L/4			_						
L Defl incl	ר 0.538 (L/410) 9'נ	5 1/16" 0.612 (L/3	60) 0.880 (88%)	D+S L	-						
esign No											
Fasten all to exceed	plies using 3 rows of 10c	Box nails (.128x3	') at 12" o.c. Max	imum end distar	nce not						
	ast page of calculations for re designed to be support			ads.							
Top loads	must be supported equa	ly by all plies.									
	be laterally braced at a m aced at bearings.	aximum of 7'8 5/8"	0.C.								
Lateral sle	enderness ratio based on										
0	Load Type	Location	Trib Width		ead 0.9	Live 1			.6 Const.		
	Uniform				225 PLF	0 PLF		PLF 0P			iding / Plywood
	Uniform Self Weight			Тор	40 PLF 11 PLF	0 PLF	40 F	PLF 0 P	∟r- ()	PLF 2'0" Roof	LUAU
otes		chemicals	tion	For flat roo ponding	ofs provide prop	per drainage to p	revent	nufacturer Info		Comtech, Inc. 1001 S. Reilly Roa	d, Suite #639
uctural adequacy	ed Designs is responsible only of the y of this component based on the nd loadings shown. It is the	Handling & Installa 1. LVL beams must not b 2. Refer to manufact	e cut or drilled				301	sä Wood Merritt 7 Building	, 2nd Floor	Fayetteville, NC USA 28314	
ponsibility of the sure the comp	e customer and/or the contractor to onent suitability of the intended	regarding installatio fastening details, bea	urer's product inform n requirements, mu m strength values, and	lti-ply			(80	walk, CT 06851)) 622-5850	,	910-864-TRUS	
plication, and to v Imber	rerify the dimensions and loads.	approvals 3. Damaged Beams mus	not be used dge is laterally restrained					w.metsawood.com -ES: ESR-3633	<u>i/us</u>		
	ditions, unless noted otherwise	 Design assumes top e Provide lateral suppo 									



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