GENERAL NOTES AND SPECIFICATIONS

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BRACED WALL PAHEL BRACED WALL LINE CLOSEL CERTING POREL

ABBREVIATIONS

Acc.

Brit.

Brit.

C.J.

C.J.

C.O.

C.O.

CON.

CONTINUOUS

CARBON MONOXIDE ALARM
CONCRETE MASQARY UNIT
DOUBLE HUNG DIAMETER

LSOWNS. USION STRINGS

FLOOR JOIST EXTERIOR

GROUND FAULT INTERRUPTER MAINATED VENEER LUKBER HOSE BIB

MSONRY MASONRY OPENING

MEDICINE CABINET

ON CENTER

ORIENTED STRAND BOARD PERFORATED

NOKE DETECTOR

SPRUCE/PINE/FIR SUSPENDED

SOUTHERN YELLOW PINE

NACESS OIHERWISE HOLED

WELDED WIRE MESH WEATHER PROOF WATER HEATER

HOOD жирож неснг

3-WAY SHITCH

SHOWER HEAD TELEPHONE JACK 220 YOLT OUTLET CONVENIENCE OUTLET

CEILING FAN

0

CARBON MONOXIDE ALARM

SYMBOLS

SHOKE DETECTOR

A A 🛛 🖸

HOHT FIXTURE

... EXHAUST FAN & LIGHT

GROUND FAULT INTERRUPTER

SHOTCH

THIS FLAN IS PROTECTED UNDER THE FEBERAL COPYRIGHT ACT., REPRODUCTION IN WALLE OR IN PART, SECULIONG DRECT COPYRIG AUD/OR PREPARATION OF DETWATNE WORKS, FOR ACT RESSON WHITEN CONSENT FROM STANDARD HOMES PLAN SETWICE, HIC, IS STRICTLY PROMISTED.

ORIGINAL PURCHASE AGREEMENT

BUILDING CODE INFORMATION SEE ATTACHED CONSTRUCTION LICENSE FOR INVOICE NUMBER 12897.

THE PLAY MAS BEEN DRAWN TO CONFORM TO THE NORTH CAROLINA RESIDENTIAL CODE, 2016 EDITINA (2016 INTERNATIONAL RESIDENTIAL CODE, POR OHE—AND TWO—PARKEY POPELLIASS, CURRENT EGRICAN) WITH ANALYMAKEN TO UNESS OTHERWISE NOTED. (SEE ATTACHMENTS)

PRIOR TO CONSTRUCTION

THE CONTRACTOR SALL, RECHY THE PLAY(S) FOR THE PARTICULAR BUILDANDE PROLETT TO BISCHE COURDWARD WITH ALL MATORIAL STATE AND LOCAL CODES, CLIWATO ESCHOPATIC DESIGN CREEK, AND AND AND OTHER PROVISIONS THAT MAY BE REQUIRED BY WA/FHA/RD.

THE COMPACTOR SHALL VERIEY PLAN DIADEKONS, STRAICTINAL COMPONIENTS, AND REPERAL SECTOPATIONS COMPANIED IN THIS SET OF PLANS, AND REPORT ANY INSCREAMINES TO STANIAND SHARES FLAN SERVICE, INC. FOR JUSTIPALITION ON CONSECTION BEFORE PROCEEDING WITH YORK ON HOUSE.

THE CONTRACTOR SHALL DETERMINE ROUGH OPENING SIZES FOR ALL BUILT-IN EQUIPMENT AND/OR FACILITIES AND ADJUST PLAN DIMENSIONS AS REQUIRED.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO PROVIDE FOR THE SERVICES OF A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING CODE OFFICIAL DO NOT SCALE FROM BLUEPRINTS, REFER TO THE CABBLED DIMENSIONS FOR ACTUAL MEASUREMENTS.

SHIPPING DATE :

STAMP MUST APPEAR IN RED. PLANS FOR WHICH A BUILDING FEMALT HAS NOT BEEN OSTIMIZED ONE YEAR FROM THE ABONE DATE IS SUBJECT TO RENTHE MY STAMPAKIN PLANTS PLAN SERWICE, INC. A FEE MAY BE CHARGED FOR THIS SERWICE.

\ L WOOD STRUCTURAL PANEL SHEATHING BRACING FOR CONTINUOUS

1, braced wal lines shall consist of brace wall panels where The spacing of the braced wall line does not exceed 80 feet in ether the longitudinal or transverse direction.

2. BRACED WALL PANEL CONSTRUCTION SHALL BE 7/16" OSB INSTALLED OFFR (3) STUD SPACES FOR STUDES SPACED 18" CG., AMP (2) STUD SPACES FOR STUDES SPACED AS" OC., FASTENERS SHALL BE 6D COLIMON 6 6" O.C., FOR ALL EDGES AND 12" O.C. FOR INTERMEDIATE SUPPORTS.

4. BRACED WALL PANELS SHALL BE AT LEAST 48° IN LEWITH FOR STRUCTURAL WOOD PANELS, AND 96° IN LEWITH FOR OFFSUIA BOARD OR 48° O.C. IF THE OFFSUIA BOARD OR 48° O.C. IF THE OFFSUIA BOARD IS APPLIED TO BOTH FACES OF THE BRACED WALL PANEL. A. When opesial board is used in braced wall favor construction, Install Winnia 1/27 Theometes on Stude Spaced a Naman of 24° O.C. And Fastered at 7° O.C. For all Edges and Intervediate Supports. BRACE) WALL PANELS SHALL BE INSTALLED AT LEAST EVERY 25 FEET O.C.

CALCULATIONS FOR TOTAL LENGTH OF BWP FOR EACH BWL

	•	Ě	MINIMUM TOTAL T LENGTH OF BMP C REQ'D ALDING EA, P BM. SPACED S80 FT.	TOSAL LEXGIH OF BMP PROVIDED
¥. 1	_	25'-4"	9.5	12.0 FT
16 2 2	N	39 - 4"	9.5 FT	12.0 FT
新 3	u	£'-5'	6,0 FT	12.0 FT
¥.	+	38'-5"	8.0 FT	\$4.5 FI
¥E 5	(Tr	16'-0"	<u> </u>	8.0 FT

EXCAVATION

EXCAVATE TO UNDISTURBED SOIL BOTTOM OF FOOTING SMULL STEAM BELOW LOCAL PROST LINE AND TO A UNTURN DEPTH OF 12" BELOW ACMACENT GRADE (PRESUMED 2000 PSF SOIL BEARING CAPACITY).

EXPANSIVE, COMPRESSIVE OR SHIFTING SOILS SHALL BE REMOVED TO A DEPTH AND WOTH SUFFICIENT TO ASSUME A STABLE MOISTURE CONTENT IN EACH ACTIVE ZONE.

FOUNDATION

SLOPE GRADE AWAY FROM FOUNDATION WALLS 6" MINIMUM WITHIN THE FIRST TO FEET. PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSITIVE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS, PROVINE 1/2" DIA, STEEL ANCHOR BOLTS 6"-0" 0.0", 1"-0" MM. FROM CORRERS AND 1"-0" MM. FROM BUDS OF EACH PLATE SECTION, WITH 7" MIN. EMERGINETIC.

CRAWL SPACE PROVIDE PRESSURE TREATED LUMBER FOR SILLS, PLATES, BANDS AND ANY LUMBER IN CONTACT WITH MASONRY. PROVIDE APPROVED AND BOXDED CHEMICAL SOIL TREATMENT AGAINST FUNGUS, TERMITES AND OTHER HARMFUL INSECTS.

ALL GRODER JOHNTS AND ENDS OF GIRDERS SHALL REST ON SOLID BEARINGS. FILL CORES OF HOLLOW JASSONEY TO FOUTING WITH CONVERTE. FILL TOP COURSE CORES OF EXTERIOR FOUNDATION WALL WITH CONVERTE.

FOOTINGS SHALL EXTEND 8" AND SHALL BE 12" THICK UNDER GIRDER PIERS.

CHONNEY FOOTING SHALL EXTEND 12" WINDWAY BEYOND EACH SIDE AND SHALL BE AT LEAST 12" THICK.

DOUBLE SILL AND USE LEDGER OVER ALL BASEMENT OPENINGS. ALL GIRDER JOHTS SHALL BREAK ON COLUMN CENTER LINES (STACKERED) AND ENDS OF GIRDERS SHALL REST ON SOLID MASONRY.

ALL BASE, SASH SHALL BE 18/20 2-LT, 3'-3 7/8° X 1'--11 15/18" 3420 hb.

FRAMING

ALL FLOOR JOISTS, CEILING JOISTS, RAFTERS, GIRDERS, HEADERS, SILLS AND BEAMS SHALL BE NO. 2 SPRUCE/PRIE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

ALLIDAD BEARNO WALLS SHALL BE STUD GRADE SPRUCE/PINE/FIR (S.P.F.)
UNLESS OTHERWISE WORKATED.

DESIGN SPECIFICATIONS FOR LAMINATED VEHEER LIMBER (LVL)
BEAUS AND HEADERS: GRADE: 295-76-205

GRADE: 2950Fb-2.0E BEADING Fb; 7950 MOE: 2.0 X 10⁶ SHEAR FV; 290

SUPPORT FOR HEADERS:
SHUL BE SUPPORTED ON EACH END WITH ONE OR MORE
MACK STRUCK OR WITH APPROVED IPRAMING MECHONES IN COROMORE
WITH BUILDING CORE WITH FEMOLES SHALL BE END WILLD TO SCALE BOO OF THE FEMOLES SHALL BE ENDO WILLD TO SCALE BOO
OF THE MACHINE MITH FORM-100 MINUS, BET JUSTE BELLWI.

TERIOR WALLS:	OT HEIGHT STUGS AT	nd humber of full height studs at each ead of headers terior walls:
HEADER SPAN	WAXINUM STUD SPACING	SPACING (INCHES
(FEE)	18	24
FEET OR LESS	1	-
4 FT.	2	-
8 FT.	ı	2
12 FT.	tr.	3
16 FT.	٨	•

CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA

DOOF LIFE LAW (POWING PRI SAUME FOOT): 20 PSF ILITIMUTE DESKH WHO SPEED (MILES PER HOUR): 120 UPH NOMINAL DESKH WHO SPEED: 31 MP) SCHYOOLIKE CHIEDORY TO VIALESS OTHERWISE MOTED WHOOM DESKH PRESSURE BANKET; 10P 25

PRESSURE ZONE COMPONENT AND CLANDING LOADS FOR A BURLDING WITH MEAN ROOF HEIGHT OF 30 FEET OR LESS: 20NE 1 115 120 130, —130

ZONE 1 131, —14.0 14.2, —15.0 18.7, —18.0 20NE 2 13.1, —16.0 14.2, —16.0 18.7, —21.0 20NE 3 13.1, —16.0 14.2, —18.0 18.7, —21.0 20NE 4 14.3, —16.0 15.5, —16.0 18.2, —19.0 20NE 5 14.3, —19.0 15.5, —20.0 18.2, —24.0 ULTIMATE DESIGN WIND SPEED (MPH) 19.4, -21.0 19.4, -24.0 19.4, -24.0

ASSUMED WEAN ROOF HEIGHT: 18'--10"

SEISUIC CONDITION BY ZONE: ZONES A AND B
SUBJECT TO DAMAGE FROM WEITHERING: MODERNIE
CHILWRE ZONES (WILESS ORDERNEE NOTED); ZONES 3 AND 4
MINIMUM VILLIES FOR ENERGY COMPLIANCE.
CEILUNG R-39; ESTENDOR WILLE R-15; FLOORS R-19
WINDOW U-FACTOR S 0.35; RECONDIBERCO SPGG S 0.30

MISCELLANEOUS

OCATE ALL CONVENIENCE OUTLETS ABOVE KITCHEN BASE MEINETS 42° ABOVE FRISHED FLOOR.

EMERGENCY EGRESS REQUIREMENTS

it shall be the responsibility of the owner/builder to verby Conformity with egress requirements based on specifications Provided by window wandacturer.

DOIS HORTH CHOCHNA RESIDENTIAL CORE
THE RECOURDED ERRESS WINDOW! FROM ERROY SLEEPING ROOM SIMIL HAVE A
THE RECOURDED ERRESS WINDOW! FROM ERROY SLEEPING ROOM. THE RET
CLEAR ORDERING AND LOOK THAN 44 HOWERS AND THE RET CLEAR
ORDERING BEROW! FROM ERROY BERNESS AND THE RET CLEAR
ORDERING BEROW! FROM THE LESS THAN 40 SOURCE THE WINDOW
TOTAL CLUSS AREA SHALL NOT BE LESS THAN 50 SOURCE THE BUILDOW
OF A GROUND STORY WINDOW AND TASKS THAN 57 SOURCE THE IN THE
CASE OF A SECOND STORY WINDOW.

2015 MERNYNOW, RESDERFUL COSE

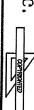
THE RECURSED ERESES, WHO'NE FROM FORCE ADOPT, FINESHIND TOOLS, LEVEL OF THE SECRET COSTS, STATE AND THE SECRET COSTS SHALL MAY A MARKE, ADOPT, FINESHIND NELLER OPENING SHALL MAY A MARKE, ADOPT, FINESHIND NELLER OPENING SHALL MAY A MARKE, AND ADDRESSED SHOWER FEET, SECRET COSTS, SHALL MAY AND ADDRESSED SHOWER FEET, SECRET COSTS, SHALL MAY AND ADDRESSED SHALL



REVISED 02-24-22

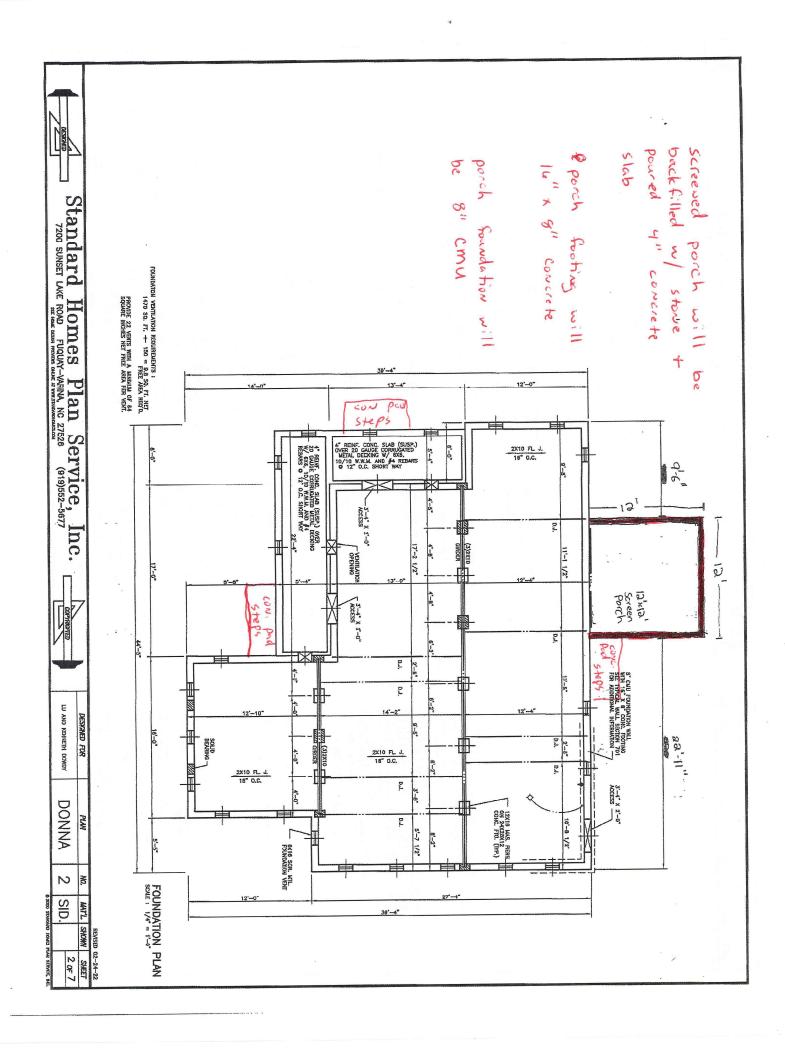
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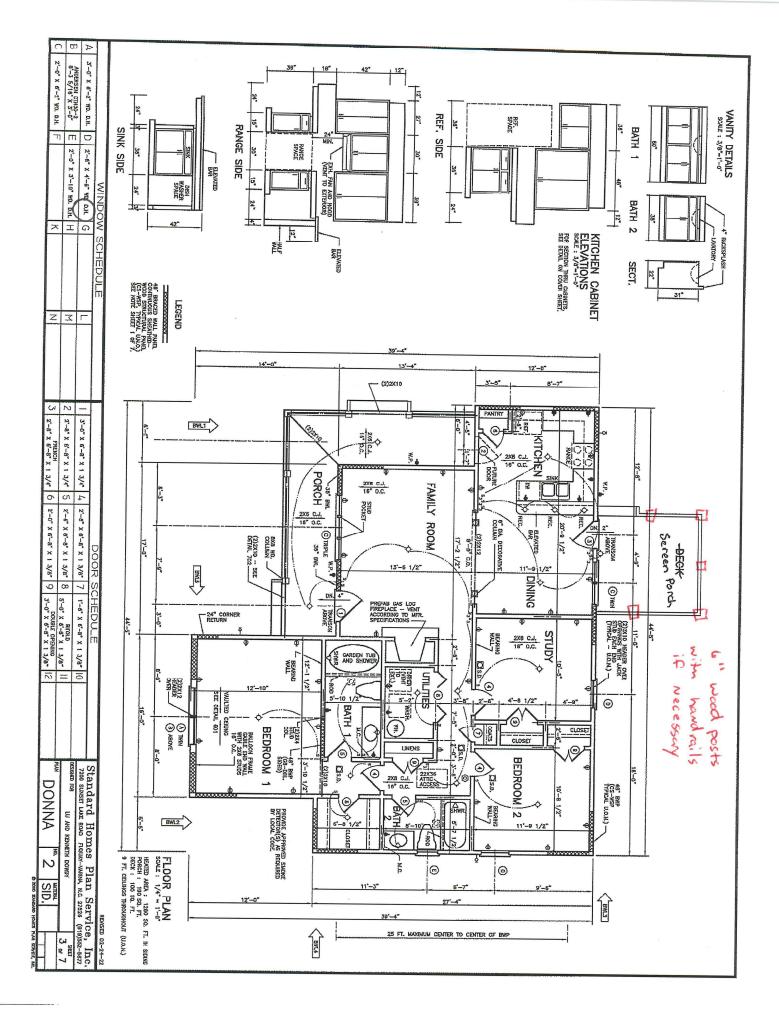
Standard SUNSET LAKE Homes ROAD FI FUQUAY-VARINA, NC lan 27526 Service, (919)552-5877 inc.

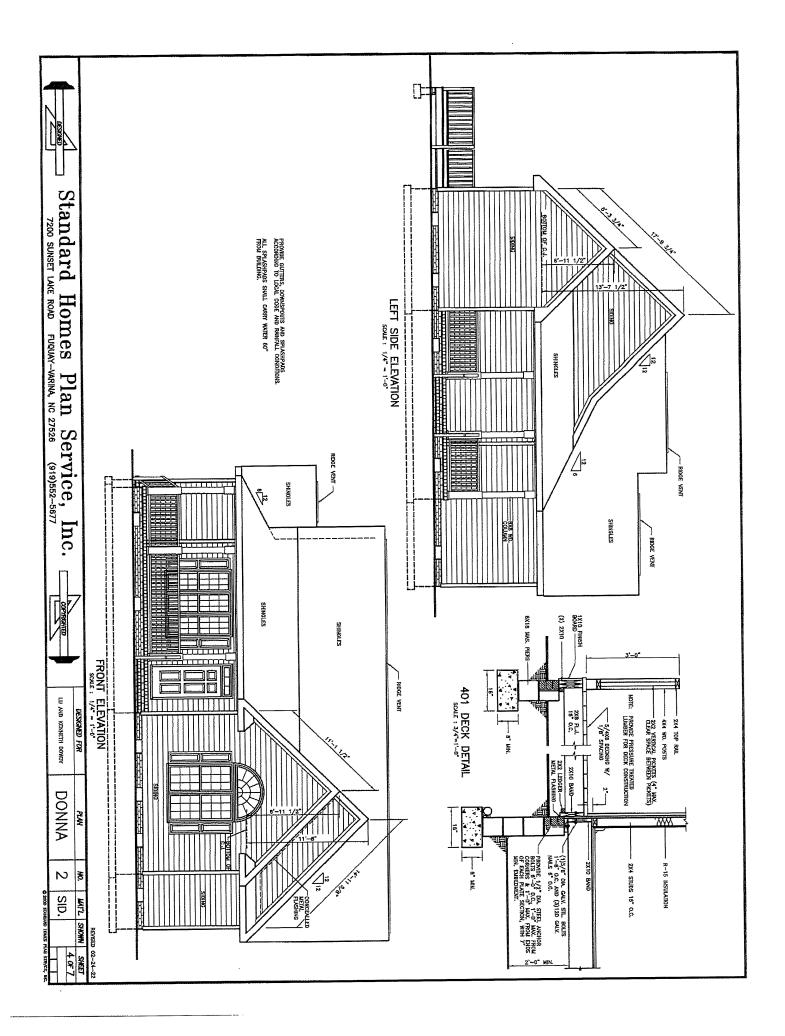


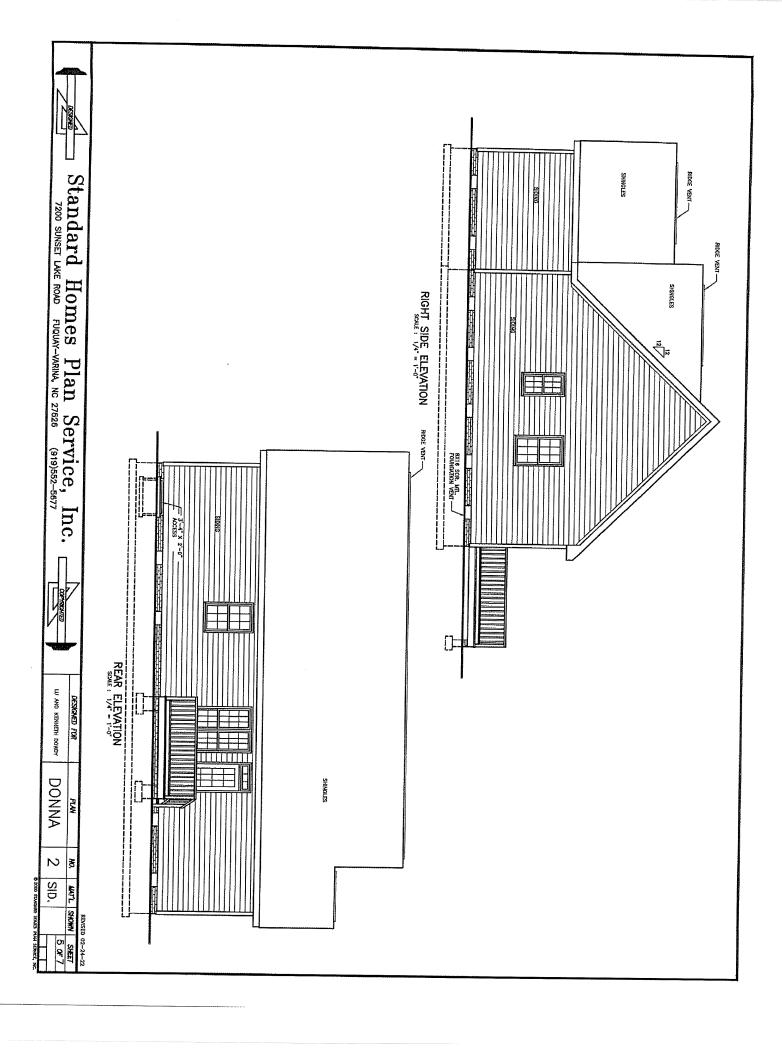
III AND KENNETH DOWDY

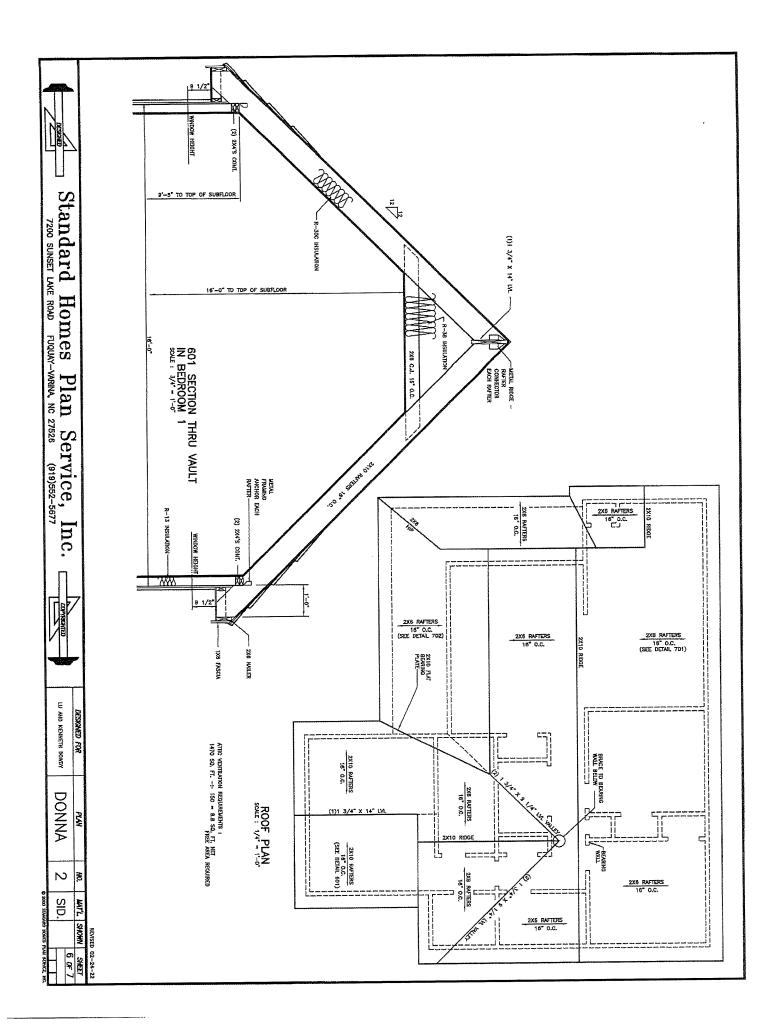
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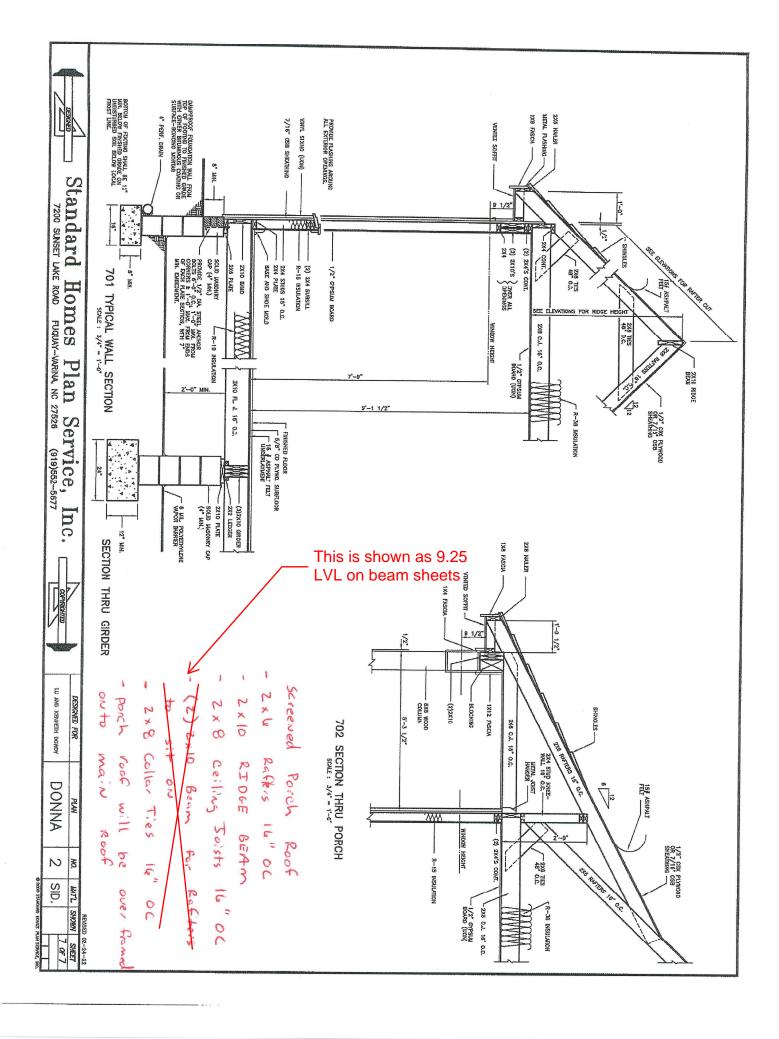












GENERAL NOTES AND SPECIFICATIONS

ABBREVIATIONS

ACC. BALL. COMPANIAN CONTROL COLLA C ACCESS
BRACED WALL LINE
BRACED WALL PANEL
CASED OPENING
CLOSET
CLOSET

CONTINUOUS

CARBON MONOXIDE ALARM

CARBON MONOXIDE ALARM COMPOSITION CONCRETE DOUBLE HUNG

EXTERIOR LSION STRINGS DWAELER

FLOOR JOIST

WASONRY OPENING RIB 3SOH GROUND FAULT INTERRUPTER laminated veheer ijjkber

MSONRY MEDICINE CABINET

ON CENTER PERFORATED ORIENTED STRAND BOARD

RECESSED SCREENED

SMOKE DEJECTOR

S.P.F. S.Y.P. SUSPENDED SPRUCE/PINE/FIR SOUTHERN YELLOW PINE

HY.H. THP. UNLESS OTHERWISE NOTED

MINDOM HEIGHT WELDED WIRE MESH

WEATHER PROOF

WATER HEATER

ð ₩00D

SYMBOLS - HOSE BIB

LIGHT FIXTURE 3-WAY SMITCH SHITCH

EXHAUST FAN & LIGHT

A A 🛛 🖸 Φ CONVENIENCE OUTLET TELEPHONE JACK SHOWER HEAD SMOKE DETECTOR

φ 220 YOLT OUTLET GROUND FAULT INTERRUPTER

0 CARBON MONOXIDE ALARM CEILING FAN

Standard 7200 SUNSET LAKE

Homes

ROAD FUQUAY

-VARINA, NO Plan

27526

Service,

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ORIGINAL PURCHASE AGREEMENT SEE ATTACHED CONSTRUCTION LICENSE FOR INVOICE NUMBER 12897.

THIS PLAN HAS BEEN DRAWN TO CONFORM TO THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION (2018 NETRIANDRIAL RESIDENTIAL CODE FOR ORE—NAD TRO-FLANCY DWELLINGS, CURRENT REDITION) WITH AMENDMENTS UNLESS OTHERWISE NOTED. (SEE ATLACHMENTS) BUILDING CODE INFORMATION

PRIOR TO CONSTRUCTION

"HE COMPANDED SALL, RENAW THE PLAY(S) FOR THIS PARTICULAR BULLIONAD PROJECT TO ENSURE CONFLIVANCE WITH ALL MATIONAL, STATE AND 102-M, CODES, CLIMATIC GEOGRAPHIC DESIGNATIC GEOGRAPHIC ORTERNA, MUD AND OTHER FROMSIONS THAT MAY BE REQUIRED BY VA/FHA/RD.

THE COMPACTOR SHALL YERRY PLAN IDEDISIONS, STRICTURAL COMPANYINS, AND CRETERAL RESPECTATIONS CONTINUED IN THIS STI OF PLANS AND REPORT ANY IDECREPANCES TO STANDARD HOMES PLAN ESPINICE, HIS CRE MUSTRACHOL OR CORRECTION BETORE PROCEEDING WITH WORK ON HOUSE.

THE CONTRACTOR SHALL DETERMINE ROUGH OPENING SIZES FOR ALL BUILT—IN EQUIPMENT AND/OR FACILITIES AND ADJUST PLAN DIMENSIONS AS REQUIRED.

DO NOT SCALE FROM BLUEPRINTS, REFER TO THE CABELED DIMENSIONS FOR ACTUAL MEASUREMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO PROVIDE FOR THE SERVICES OF A PROFESSIONAL ENGINEER IF REQUIRED BY THE BUILDING CODE OFFICIAL

SHIPPING DATE :

STAMP MUST APPEAR IN RED. PLANS FOR WHICH A BUILDING PERMIT MAS NOT BEEN CHIMNED ONE YEAR FROM THE ABOVE DATE IS SUBJECT TO REVIEW MY SHAVARD HOMES PLAN SERVICE, HIC. A FEE MAY BE CHARGED FOR THIS SERVICE.

WALL BRACING FOR CONTINUOUS WOOD STRUCTURAL PANEL SHEATHING

1. BRACED WALL LINES SHALL CONSIST OF BRACE WALL PAHELS WHERE THE SPACING OF THE BRACED WALL LINE DOES NOT EXCEED 60 FEET IN EITHER THE LONGING.

2. BRACED WALL PANEL CONSTRUCTION SMALL BE 7/18" OSB INSTALED OFER (3) STUD SPACES FOR STUDS SPACED 18" O.C., AND (2) STUD SPACES FOR STUDS SPACED 18" O.C., POR INTERNETS SMALL BE 6D COMMON 0 8" O.C., FOR ALL EDGES AND 12" O.C. FOR INTERNEDIATE SUPPORTS.

1. When gypsijn boadd is ised in braced wal papel ownstriction, Install Minilia 1/2" Thickness on Stides Spaced a waxiam of 24" O.C. And Fastened at 7" O.C. for all edges and internediate supports.

5. BRACED WALL PANELS SHALL BE INSTALLED AT LEAST EVERY 25 FEET O.C. THE GIPSUM BANKO IS APPLIED TO BOTH FACES OF THE BRACED WALL PANEL.

THE GIPSUM BANKO IS APPLIED TO BOTH FACES OF THE BRACED WALL PANEL.

CALCULATIONS FOR TOTAL LENGTH OF BWP FOR EACH BWI

BWL 1 BHL 3 BHL 4 8HL 5 BRACED WALL MINIMUM TOTAL TOTAL LENGTH
UNE (BWL) LENGTH OF BAP OF BAP
LENGTH REQU ALONG EA. PROVIDED
BYL SPACED
460 FT. ‡ 39 -25-4 ę. \$ 50 F C C F 85 FF 12.0 FT 12.0 FT

EXCAVATION

EXCAVATE TO UNDISTURBED SOIL BOTTOM OF FOOTING SMALL EXTEND BELOW LOCAL FROST LINE AND TO A MINIMUM DEPTH OF 12" BELOW AGNICENT GRADE. (PRESUMED 2000 PSF SOIL BEARING CAPACITY).

EXPANSIVE, COMPRESSIVE OR SHIFTING SOILS SHALL BE REMOVED TO A CEPTH AND WOTH SUFFICIENT TO ASSUME A STABLE MOISTURE CONTENT IN EACH ACTIVE ZONE.

FOUNDATION

PROVIDE FOUNDATION WATERPROOFING AND DRAIN WITH POSTINE SLOPE TO OUTLET AS REQUIRED BY SITE CONDITIONS. PROVINE 1/2" DIA STEEL ANCHOR BOSTS 6"-0" D.C., 1"-0" MAX. FROM CORNERS AND 1"-0" MAX. FROM ENDS OF EACH PLATE SECTION, WITH 7" MIN. EABEDMENT. SLOPE GRADE AWAY FROM FOUNDATION WALLS 6" MINIMUM WITHIN THE FIRST 10 FEET.

PROVIDE APPROVED AND BONDED CHEMICAL SOIL TREATMENT AGAINST FUNGUS, TERMITES AND OTHER HARMFUL INSECTS. PROVIDE PRESSURE TREATED LUMBER FOR SILLS, PLATES, BANDS AND ANY LUMBER IN CONTACT WITH MASONRY.

CRAWL SPACE

ALL GROER JOHTS AND ENDS OF GROERS SHALL REST ON SOLD BECKINGS. FILL CORES OF HOLLOW JACSONATY TO FOUTING WITH CONCRETE. FILL TOP COURSE CORES OF EXTERIOR FOUNDATION WALL WITH CONCRETE.

FOOTINGS SHALL EXTEND \mathfrak{b}^{\bullet} and shall be 12° thick under oirder piers.

CHONNEY FOOTING SHALL EXTEND 12" MINIMUM BEYOND EACH SIDE AND SHALL BE AT LEAST 12" THICK,

ALL GIRDER JOINTS SHALL BREAK ON COLLIAIN CENTER LINES (STAGGERED) AND ENDS OF GIRDERS SHALL REST ON SOLID MASONRY.

DONABLE SILL AND USE LEDGER OVER ALL BASEMENT OPENINGS.

AL BASE SASH SHALL BE 18/20 2-LT. 3'-3 7/B" X 1'-11 15/16" 3420 HB.

FRAMING

ALL FLOOR JOISTS, CEILING JOISTS, RAFTERS, GIRDERS, HEADERS, SILLS AND BEAUS SHALL BE NO. 2 SPRUCE/PARE/FIR (S.P.F.) UNLESS OTHERWISE INDICATED.

ALL LOAD BEARING WALLS SHALL BE STUD GRADE SPRUCE/PINE/FIR (S.P.F.) UNLESS OTHERWISE INDEXATED.

DESIGN SPECIFICATIONS FOR LAWINATED VENEER LUMBER (LVL)
BEAMS AND HEADERS: GRADE; 2850Fb.—2.0F GRADE: 2950Fb-2.0E BENDING Fb; 2950 MOE: 2.0 X 10⁶ SHEAR FV; 290

WHIMMY MUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS: SUPPORT FOR HEADERS:

READERS SHALL BE SUPPORTED ON EACH END WITH ONE OR MORE
MACK STURES SHALL BE SUPPORTED FRAMING MEDICAL STUD AGACEMYTE
WITH BUILDING COR WITH APPEARS SHALL BE END NUILED TO EACH END
OF THE HEADER WITH FOUR-10D MALLS. SEE TAKE BELDW.

CLIMATIC AND GEOGRAPHICAL DESIGN CRITERIA

ROOF LIGE LIAN (POWINGS PER SOUNEE FOOT): 20 PER UTILIMATE DESCHI MEND SPEED (PLIED PER HOUR): 120 MPH NOMINNA, DESCHA MEND SPEED (PLIED PER HOUR): 120 MPH HOURY DESCHI PERSEXUEL CHINICA LI PE 25 WHOOM DESCHI PERSEXUEL CHINICA LI PE 25

COMPONENT AND CLADDING LOADS FOR A BURDING WITH NEAN ROOF HEIGHT OF 30 FEET OR LESS:

DOCCEINGE TOUR		ULTIMATE DESIGN WIND SPEED (MPH)	MNO SPEED (MPH)	
RESSORE FORE	115	120	130	140
ZONE 1	13.1, ~14.0	14.2, ~15.0	16.7, ~18.0	19.4, -21.0
ZONE 2	13.1,18.0	14.2, ~18.0	16.7, -21,0	19.4, -24.0
ZONE 3	13.1, -18.0	14.2, -18.0	16.7, -21.0	19.4, -24.0
ZONE 4	14.3, -15.0	15.6, -16.0	18.2, -19.0	21.2, -22.0
ZONE 5	14.3, -19.0	15.5, -20.0	18.2, -24.0	21.2, -28.0

ASSUMED MEAN ROOF HEIGHT: 18'--10"

SEISMIC CONDITION BY ZONE: ZONES A AND B
SIDELECT TO DUALAGE FROM WICHTHERNO: MODERATE
CHIANTE ZONES (MULESS ONE) PRINCE FORED; ZONES 3 AND 4
WHADON WILLIES FOR ENERGY COMPLANCE.
DUALAGE RAVE STEPPORT WILLIES RATES TOORS 8-19
WHADON U-FACTOR X, 0.35; REZONALEDIRED SHOE X, 0.30

MISCELLANEOUS

LOCATE ALL CONVENIENCE OUTLETS ABOVE KRICHEN CABINETS 42° ABOVE FINISHED FLOOR.

EMERGENCY EGRESS REQUIREMENTS

IT SHALL BE THE RESPONSIBILITY OF THE OWNER/BUILDER TO VERIFY CONFORMITY WITH EDRESS REQUIREMENTS BASED ON SPECIFICATIONS PROVIDED BY WINDOW MANUFACTURER.

DOTS NOTH CHOULD, RESIDENTIAL CODE.

THE RECURPD EGRESS WHICH FROM PRETS SEEPING GROW SHALL HAVE A
THE RECURPD EGRESS WHICH FROM PRETS ABOVE TRUNSED FLOOR THE MET
SLEAP OFFINISHES SHALL HAVE BLESS. THAN 4,0 SOURIE TEAT HIFBER THE MET
SLEAP OFFINISHES SHALL HAVE BLESS. THAN 4,0 SOURIE TEAT HIFBER THE MET
SLEAP OFFINISHES SHALL HAVE BLESS THAN 500 SOURIE THE MINUSE
SPENISH WHITE SHALL BLESS THAN 500 SOURIE THE MINUSE
TO A GROWD STORY WINCHAM HAD HOT LESS THAN 5.7 SOUNGE FLET IN THE
CASE OF A SECOND STORY WINCHAM.

2015 INTERNATIONAL RESIDENTAL CODE

THE REQUIRED ESRESS WINDOW FROM ENGY SLEEPING ROOM SHALL HAVE A SILL HEAST OF HOT MARE TIMM 44 NOTES MODIFY FINSHED FLOOR ALL BLERGERIST ESAUF AND RESCUE FORTHWIST SHALL HAVE A WINNIM HET HAVE A DEFINING OF B.T SCHAME FET ENGY FOR FLOOR OF BINNS SHALL HAVE A HINDOW SHALL BE ZO SCHAME FROM THE MINNIM HET CLEAR OF BINNS POPENING HEAST SHALL BE ZO INCHESS. THE MINNIM HET CLEAR OF BINNS WIDTH SHALL BE ZO INCHESS.

(919)552-5677 inc.

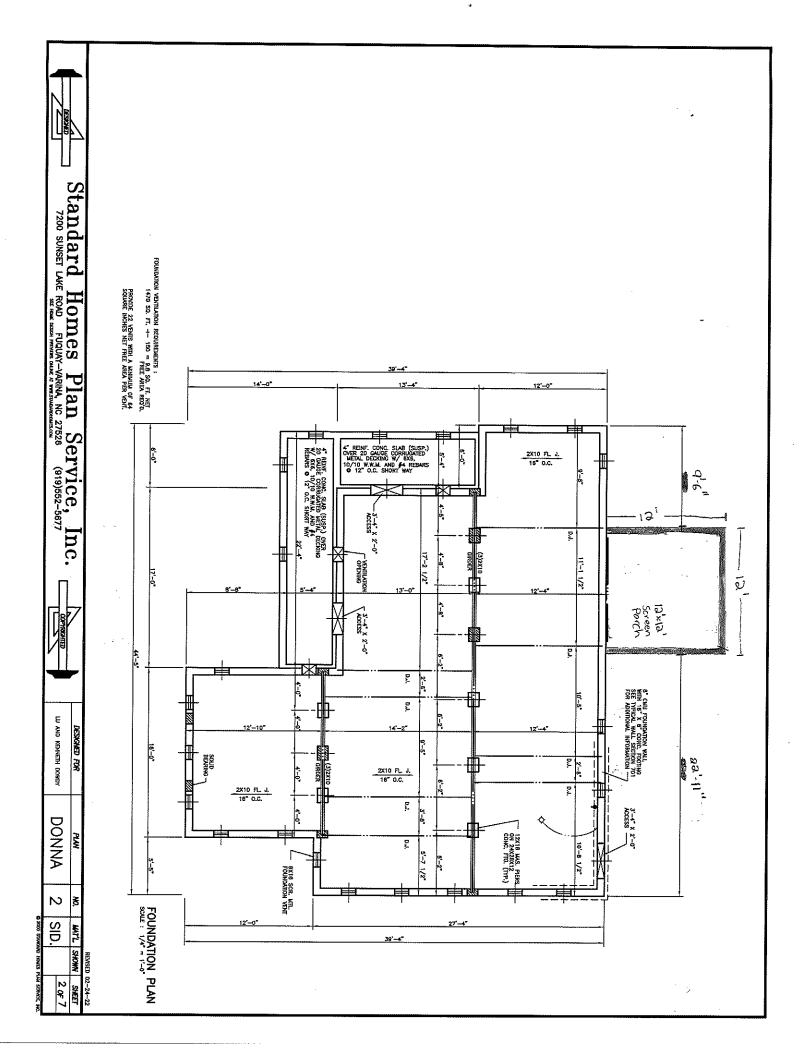
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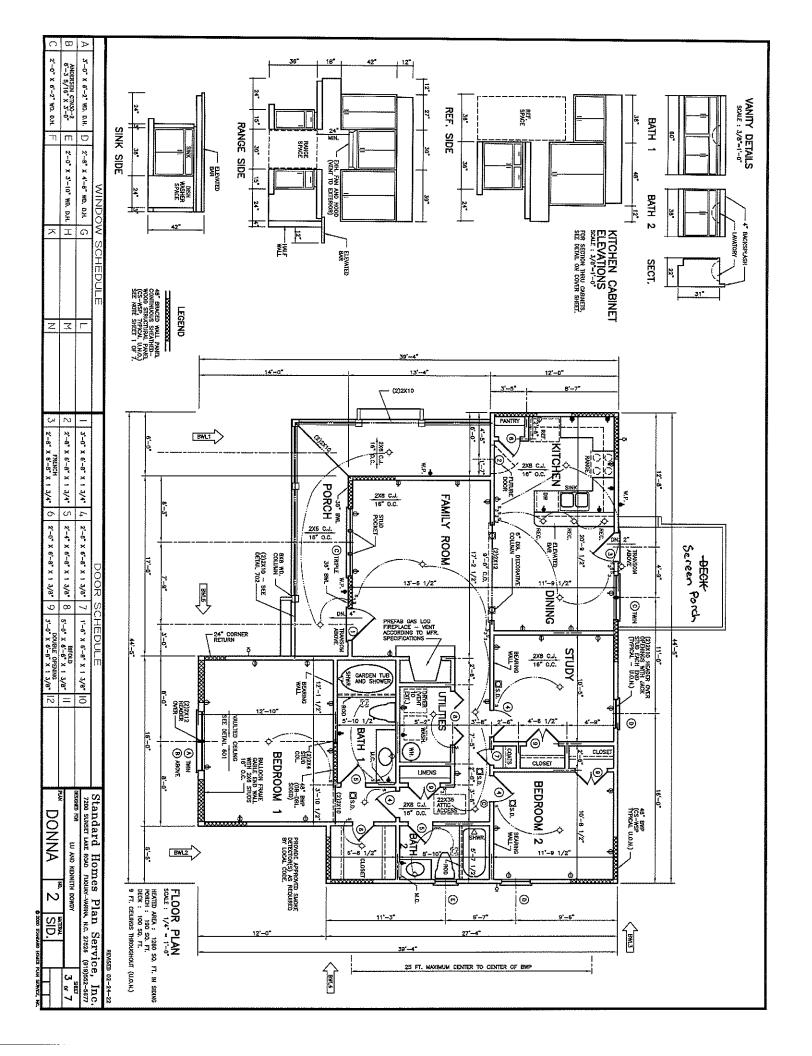
LU AND KENNETH DOWDY

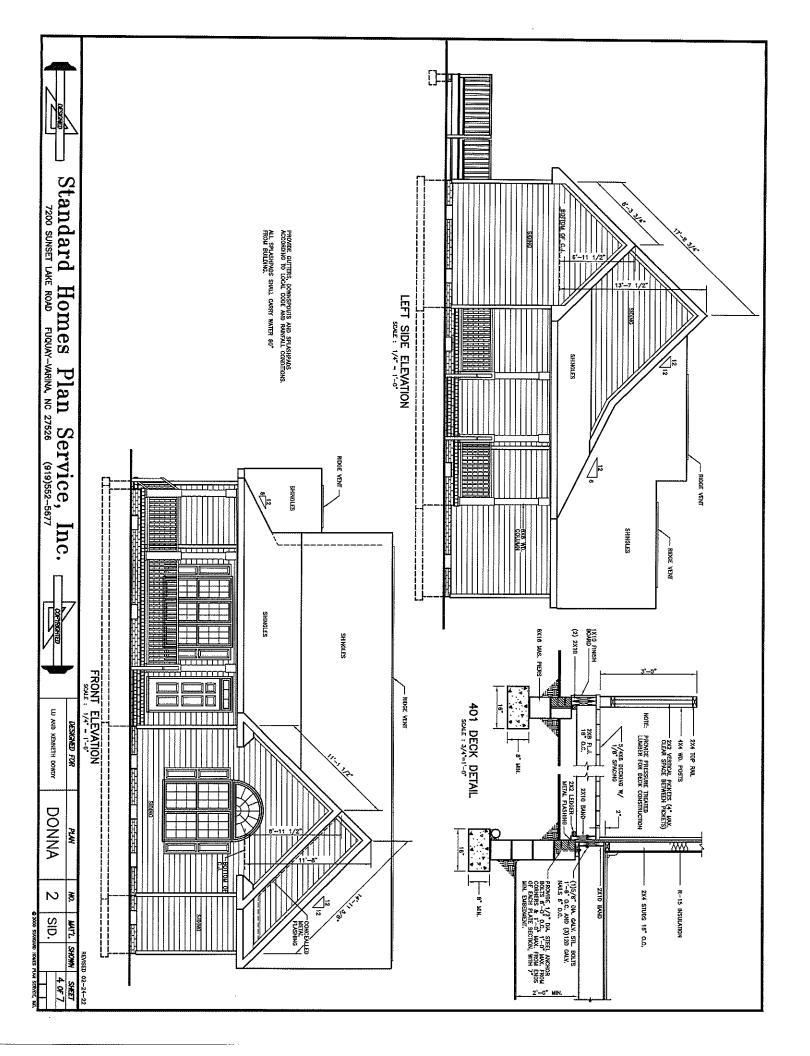
DONNA N

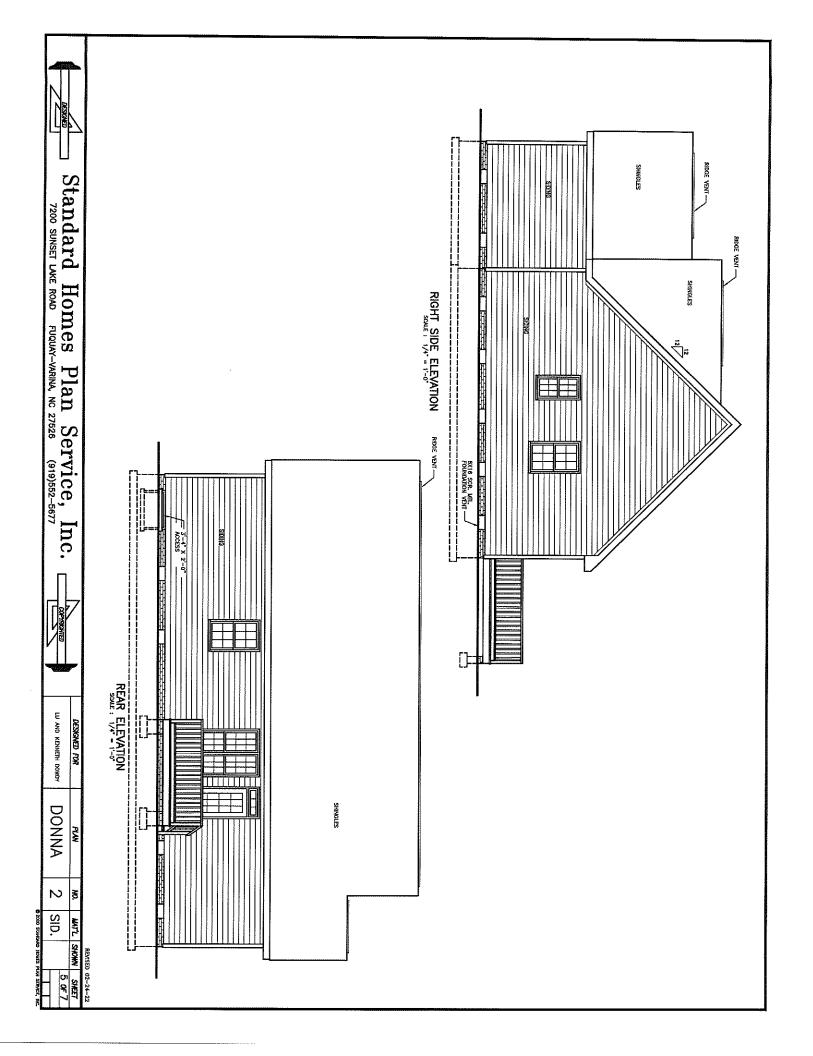
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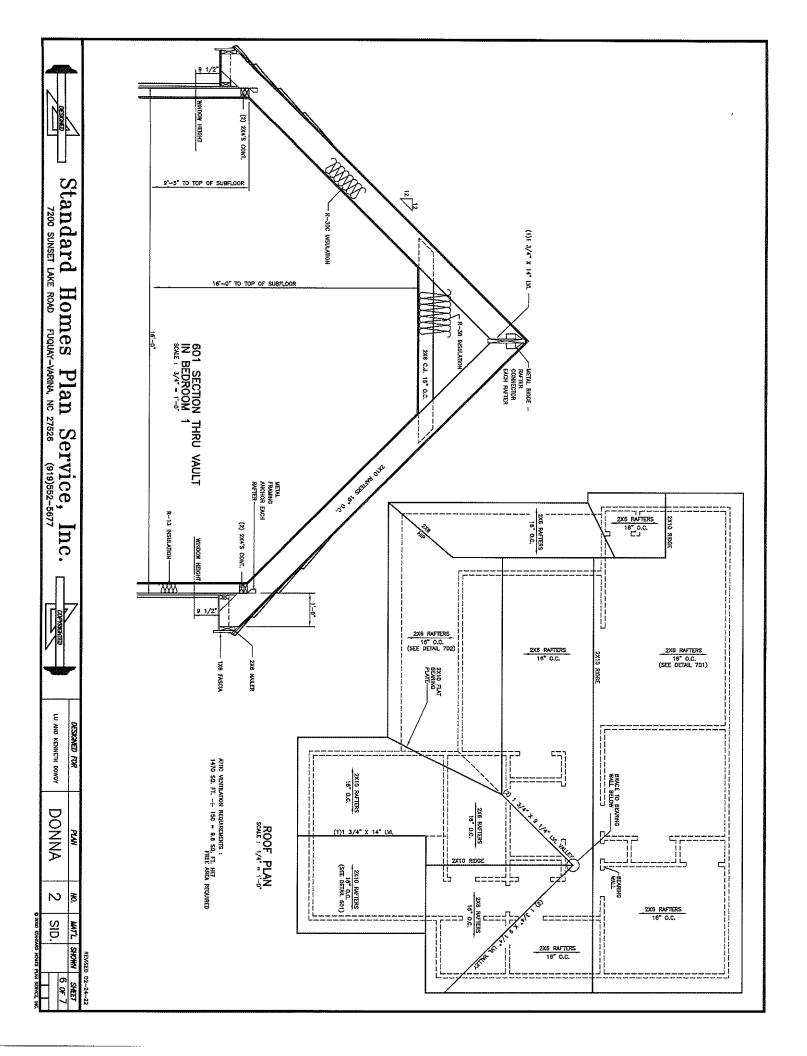
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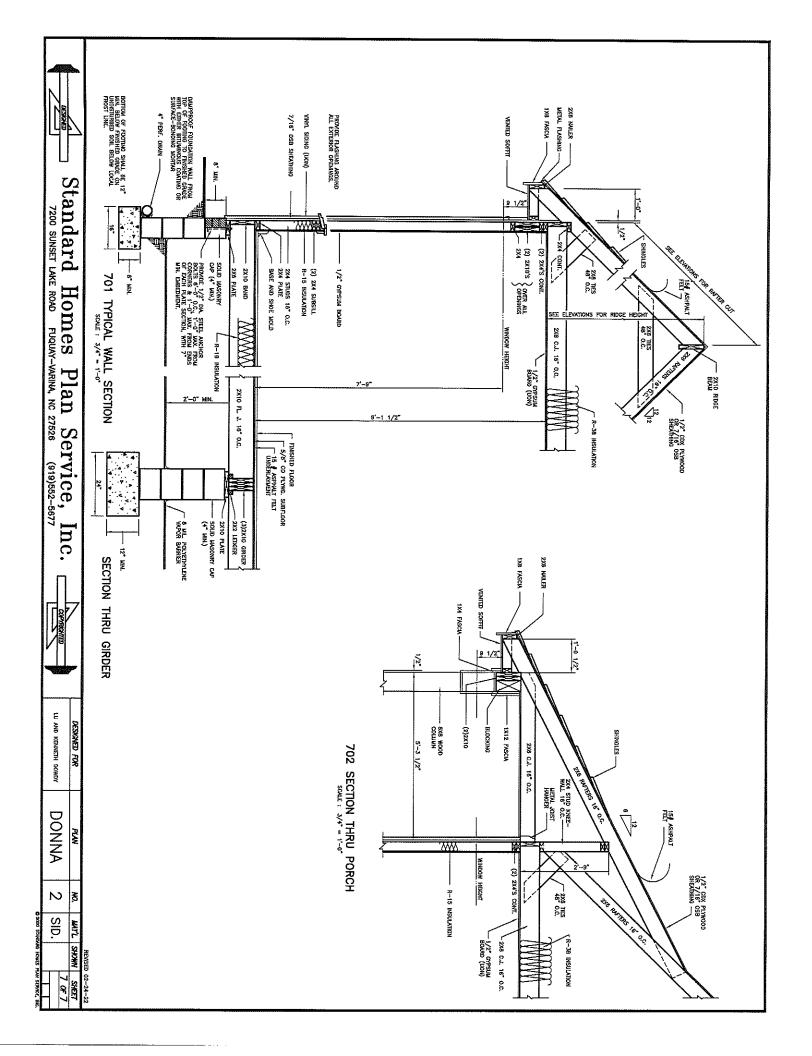


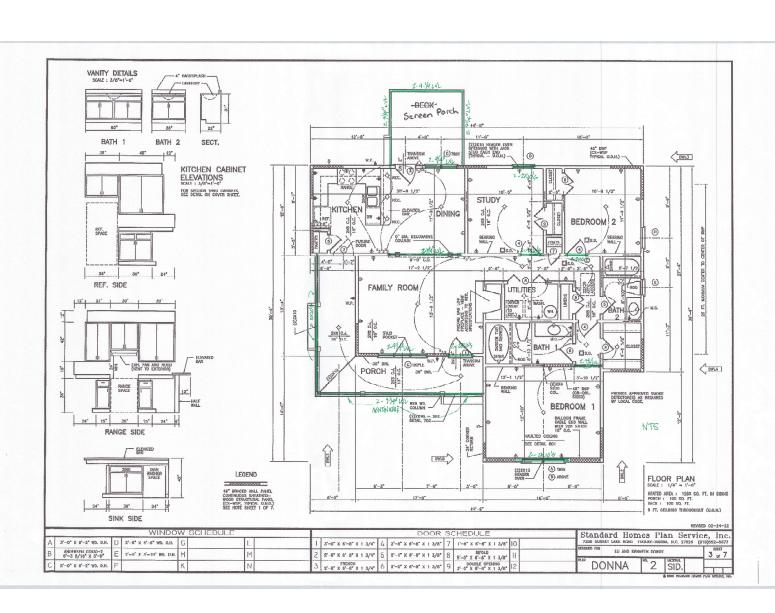


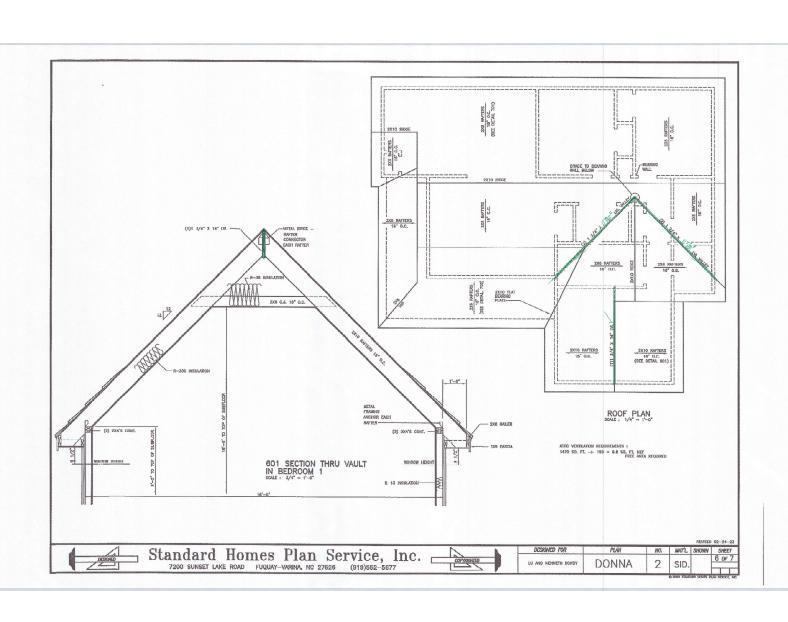


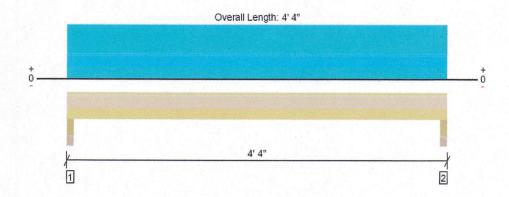












Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1537 @ 2"	8881 (3.50")	Passed (17%)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
Shear (lbs)	629 @ 1' 3/4"	6151	Passed (10%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	1139 @ 2' 2"	11204	Passed (10%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.008 @ 2' 2"	0.100	Passed (L/999+)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
Total Load Defl. (in)	0.014 @ 2' 2"	0.200	Passed (L/999+)		1.0 D + 0.75 L + 0.75 Lr (All Spans)

Member Length : 4' 4" System : Wall Member Type : Header Building Use : Residential Building Code : IBC 2021 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- · Allowed moment does not reflect the adjustment for the beam stability factor.

	1	Bearing Leng	th					
Supports	Total	Available	Required	Dead	Floor Live	Roof Live	Factored	Accessories
1 - Trimmer - SPF	3.50"	3.50"	1,50"	627	607	607	1537	None
2 - Trimmer - SPF	3.50"	3.50"	1.50"	627	607	607	1537	None

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	4' 4" o/c	
Bottom Edge (Lu)	4' 4" o/c	

[•]Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 4' 4"	N/A	9.4		-	
1 - Uniform (PSF)	0 to 4' 4"	14'	20.0	20.0	20.0	Default Load

Member Notes

BEDROOM 1 HALL FLUSH CEILING BEAM

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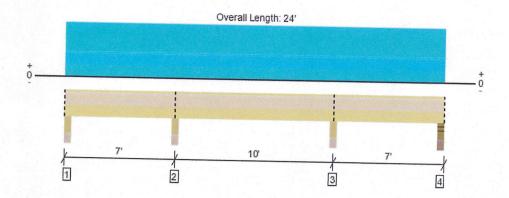
Job Notes
117 COLLINS RD., LILLINGTON, NC. DOWDY RESIDENCE



File Name: MILTON ENTERPRISES

Page 1 / 1

Level, Roof: Drop Beam 2 piece(s) 1 3/4" x 9 1/4" 2.0E Microllam® LVL



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	I
Member Reaction (lbs)	7027 @ 7'	8881 (3.50")			Load: Combination (Pattern)
Shear (lbs)		- , ,	Passed (79%)		1.0 D + 1.0 Lr (Adj Spans)
	3039 @ 7' 11"	7689	Passed (40%)	1.25	1.0 D + 1.0 Lr (Adj Spans)
Moment (Ft-lbs)	-5648 @ 7'	14005	Passed (40%)		1.0 D + 1.0 Lr (Adj Spans)
Live Load Defl. (in)	0.080 @ 12'	0.333	Passed (L/999+)		
Total Load Defl. (in)	0.146 @ 12'				1.0 D + 1.0 Lr (Alt Spans)
- Deflection extends II (1950)		0.500	Passed (L/824)		1.0 D + 1.0 Lr (Alt Spans)

Deflection criteria: LL (L/360) and TL (L/240).

Allowed moment does not reflect the adjustment for the beam stability factor.

Member Length: 24' System: Roof Member Type : Drop Beam

Building Use: Residential Building Code: IBC 2021 Design Methodology: ASD Member Pitch: 0/12

		Bearing Leng	th	Load	ls to Support	s (lbs)	
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Column - SPF	3.50"	3.50"	1.50"	916	1043	1958	Disable
2 - Column - SPF	3.50"	3.50"	2,77"	3518	3509		Blocking
3 - Column - SPF	3.50"	3,50"	2,77"	3518		7027	Blocking
4 - Stud wall - SPF	3.50"	3.50"			3509	7027	Blocking
Blocking Panels are assumed to			1.50"	916	1043	1958	Blocking

to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	24' o/c	
Bottom Edge (Lu)	20' 8" o/c	

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 24'	N/A	9.4		
1 - Uniform (PSF)	0 to 24' (Front)	18'	20.0	20.0	Default Load

e loads are assumed to not induce cross-grain tension.

Member Notes

FRONT PORCH FRONT

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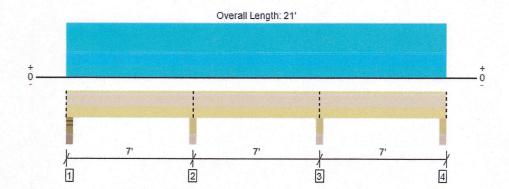


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Level, Roof: Drop Beam 2 piece(s) 2 x 10 SP No.2



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1146 @ 7'	5933 (3.50")	Passed (19%)		1.0 D + 1.0 Lr (Adj Spans)
Shear (lbs)	475 @ 6' 1"	4047	Passed (12%)	1.25	1.0 D + 1.0 Lr (Adj Spans)
Moment (Ft-lbs)	-733 @ 7'	3566	Passed (21%)	1.25	1.0 D + 1.0 Lr (Adj Spans)
Live Load Defl. (in)	0.009 @ 17' 8"	0.228	Passed (L/999+)		1.0 D + 1.0 Lr (Alt Spans)
Total Load Defl. (in)	0.015 @ 3' 3 5/16"	0.342	Passed (L/999+)		1.0 D + 1.0 Lr (Alt Spans)

Member Length : 21'
System : Roof
Member Type : Drop Beam
Building Use : Residential
Building Code : IBC 2021
Design Methodology : ASD

Member Pitch: 0/12

- Deflection criteria: LL (L/360) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.
- · Applicable calculations are based on NDS.

	Bearing Length			Load	ls to Support		
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Stud wall - SPF	3.50"	3,50"	1.50"	193	245	439	Blocking
2 - Column - SPF	3.50"	3.50"	1.50"	510	636	1146	Blocking
3 - Column - SPF	3.50"	3.50"	1.50"	510	636	1146	Blocking
4 - Column - SPF	3.50"	3.50"	1.50"	193	245	439	Blocking

Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	21' o/c	
Bottom Edge (Lu)	21' o/c	

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 21'	N/A	7.0	-	and the second second
1 - Uniform (PSF)	0 to 21' (Front)	4'	15.0	20.0	Default Load

Side loads are assumed to not induce cross-grain tension.

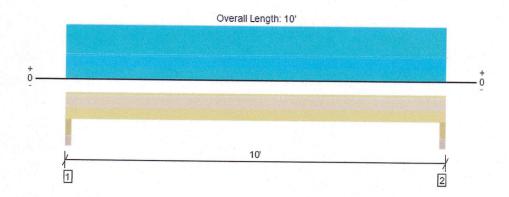
Member Notes
FRONT PORCH SIDE

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Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	4393 @ 1 1/2"	7613 (3.00")	Passed (58%)	-	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	3496 @ 1' 1/4"	7689	Passed (45%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	10440 @ 5'	14005	Passed (75%)		1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.174 @ 5'	0.244	Passed (L/673)		1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.424 @ 5'	0.488	Passed (L/276)		1.0 D + 1.0 Lr (All Spans)

Member Length : 10' System : Wall Member Type : Header Building Use : Residential Building Code : IBC 2021 Design Methodology : ASD

Allowed moment does not reflect the adjustment for the beam stability factor.

	E	Bearing Length			Loads to Supports (lbs)		
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Trimmer - SPF	3.00"	3.00"	1.73"	2593	1800	4393	None
2 - Trimmer - SPF	3.00"	3.00"	1.73"	2593	1800	4393	None

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	10' o/c	
Bottom Edge (Lu)	10' o/c	

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Tributary Width	Dead (0.90)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 10'	N/A	9.4		
1 - Uniform (PSF)	0 to 10'	18'	28.3	20.0	Default Load

Member Notes

FAMILY ROOM TRIPPLE WINDOW

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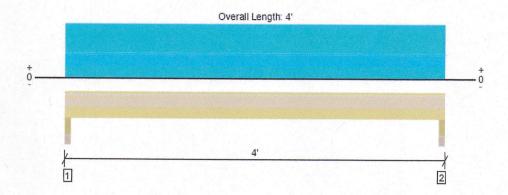


Deflection criteria: LL (L/480) and TL (L/240).



MEMBER REPORT

Level, Wall: Header 2 piece(s) 2 x 10 SP No.2



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1752 @ 1 1/2"	5085 (3.00")	Passed (34%)	T	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	858 @ 1' 1/4"	4047	Passed (21%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	1540 @ 2'	3566	Passed (43%)	1.25	1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.006 @ 2'	0.094	Passed (L/999+)	_	1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.014 @ 2'	0.188	Passed (L/999+)		1.0 D + 1.0 Lr (All Spans)

Member Length : 4' System : Wall Member Type : Header Building Use : Residential Building Code : IBC 2021 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.
- Applicable calculations are based on NDS.

		Bearing Length			s to Support		
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Trimmer - SPF	3.00"	3.00"	1.50"	1032	720	1752	None
2 - Trimmer - SPF	3.00"	3.00"	1.50"	1032	720	1752	None

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	4' o/c	
Bottom Edge (Lu)	4' o/c	

Maximum allowable bracing intervals based on applied load.

			Dead	Roof Live	
Vertical Loads	Location	Tributary Width	(0.90)	(1.25)	Comments
0 - Self Weight (PLF)	0 to 4'	N/A	7.0	-	
1 - Uniform (PSF)	0 to 4'	18'	28.3	20.0	Default Load

Member Notes

FRONT DOOR

Weyerhaeuser Notes

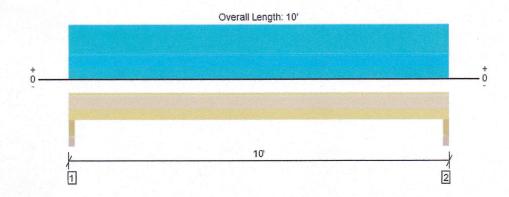
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Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	3547 @ 1 1/2"	7613 (3.00")	Passed (47%)	-	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Shear (lbs)	2266 @ 1' 1/4"	6151	Passed (37%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	6767 @ 5'	11204	Passed (60%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.203 @ 5'	0.244	Passed (L/577)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
Total Load Defl. (in)	0.342 @ 5'	0.488	Passed (L/342)		1.0 D + 0.75 L + 0.75 Lr (All Spans)

Member Length : 10' System : Wall Member Type : Header Building Use : Residential Building Code : IBC 2021 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.

		Bearing Length			Loads to Sup			
Supports	Total	Available	Required	Dead	Floor Live	Roof Live	Factored	Accessories
1 - Trimmer - SPF	3.00"	3.00"	1.50"	1447	1400	1400	3547	None
2 - Trimmer - SPF	3.00"	3.00"	1.50"	1447	1400	1400	3547	None

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	10' o/c	
Bottom Edge (Lu)	10' o/c	

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 10'	N/A	9.4	-	-	
1 - Uniform (PSF)	0 to 10'	14'	20.0	20.0	20.0	Default Load

Member Notes

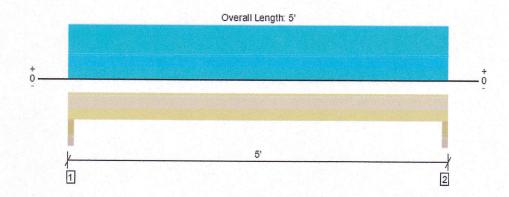
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Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	4721 @ 1 1/2"	7613 (3.00")	Passed (62%)	-	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Shear (lbs)	2793 @ 1' 1/4"	7689	Passed (36%)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
Moment (Ft-lbs)	5325 @ 2' 6"	14005	Passed (38%)	1.25	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Live Load Defl. (in)	0.042 @ 2' 6"	0.119	Passed (L/999+)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
Total Load Defl. (in)	0.066 @ 2' 6"	0.237	Passed (L/866)		1.0 D + 0.75 L + 0.75 Lr (All Spans)

Member Length : 5'
System : Wall
Member Type : Header
Building Use : Residential
Building Code : IBC 2021
Design Methodology : ASD

Allowed moment does not reflect the adjustment for the beam stability factor.

	Bearing Length							
upports	Total	Available	Required	Dead	Floor Live	Roof Live	Factored	Accessories
t - Trimmer - SPF	3.00"	3.00"	1.86"	1721	2000	2000	4721	None
2 - Trimmer - SPF	3.00"	3.00"	1.86"	1721	2000	2000	4721	None

Lateral Bracing	Bracing Intervals	Comments			
Top Edge (Lu)	5' o/c				
Bottom Edge (Lu)	5' o/c				

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 5'	N/A	9.4	- 1	-	
1 - Uniform (PSF)	0 to 5'	40¹	17.0	20.0	20.0	Default Load

Member Notes

DINING ROOM TWIN WINDOW

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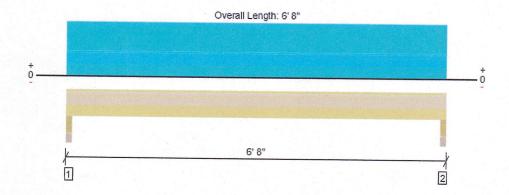
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File Name: MILTON ENTERPRISES

[•] Deflection criteria: LL (L/480) and TL (L/240).

Level, Wall: Header 2 piece(s) 2 x 10 SP No.2



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	357 @ 1 1/2"	5085 (3.00")	Passed (7%)	-	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	201 @ 1' 1/4"	2914	Passed (7%)	0.90	1.0 D (All Spans)
Moment (Ft-lbs)	448 @ 3' 4"	2568	Passed (17%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.003 @ 3' 4"	0.160	Passed (L/999+)	-	1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.015 @ 3' 4"	0.321	Passed (L/999+)		1.0 D + 1.0 Lr (All Spans)

Member Length : 6' 8" System : Wall Member Type : Header Building Use : Residential Building Code : IBC 2021 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- · Allowed moment does not reflect the adjustment for the beam stability factor.
- Applicable calculations are based on NDS.

		Bearing Length			Loads to Supports (lbs)			
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories	
- Trimmer - SPF	3.00"	3.00"	1.50"	290	67	357	None	
2 - Trimmer - SPF	3.00"	3.00"	1.50"	290	67	357	None	

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	6' 8" o/c	
Bottom Edge (Lu)	6' 8" o/c	

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Tributary	Dead (0.90)	Roof Live (1.25)	Comments
		Width			Comments
0 - Self Weight (PLF)	0 to 6' 8"	N/A	7.0		
1 - Uniform (PLF)	0 to 6' 8"	N/A	80.0	20.0	Default Load

Member Notes

FROND BEDROOM 1 GABLE VAULTED

Weyerhaeuser Notes

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ForteWEB Software Operator	Job Notes
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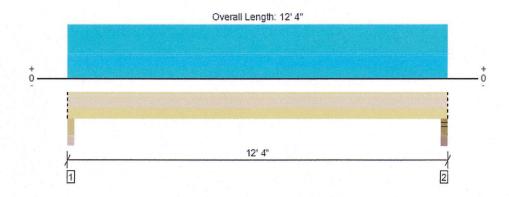


Member Length : 12' 4" System : Roof Member Type : Drop Beam Building Use : Residential Building Code : IBC 2021 Design Methodology : ASD Member Pitch : 0/12

MEMBER REPORT

Level, Roof: Drop Beam

2 piece(s) 1 3/4" x 9 1/4" 2.0E Microllam® LVL



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1837 @ 12' 2"	5206 (3.50")	Passed (35%)	-	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	1521 @ 1' 3/4"	7689	Passed (20%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	5363 @ 6' 2"	14005	Passed (38%)	1.25	1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.150 @ 6' 2"	0.400	Passed (L/957)		1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.320 @ 6' 2"	0.600	Passed (L/450)	-	1.0 D + 1.0 Lr (All Spans)

• Deflection criteria: LL (L/360) and TL (L/240).

[·] Allowed moment does not reflect the adjustment for the beam stability factor.

	Bearing Length			Loads to Supports (lbs)			
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Column - SPF	3.50"	3.50"	1.50"	974	863	1837	Blocking
2 - Stud wall - SPF	3.50"	3.50"	1.50"	974	863	1837	Blocking

Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	12' 4" o/c	
Bottom Edge (Lu)	12' 4" o/c	

Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 12' 4"	N/A	9.4		
1 - Uniform (PSF)	0 to 12' 4" (Front)	7'	21.2	20.0	Default Load

Side loads are assumed to not induce cross-grain tension.

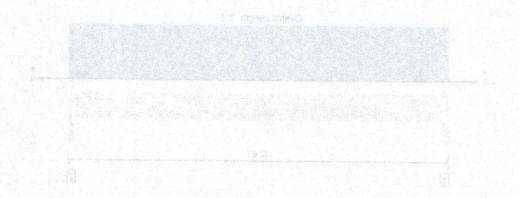
Member Notes
SCREEN PORCH HEADERS

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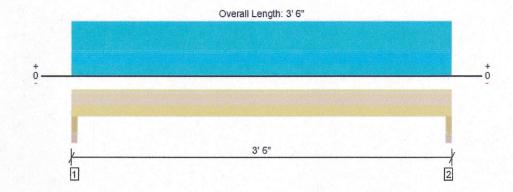
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MEMBER REPORT

Level, Wall: Header

2 piece(s) 2 x 10 SP No.2



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1163 @ 1 1/2"	5085 (3.00")	Passed (23%)	-	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Shear (lbs)	485 @ 1' 1/4"	4047	Passed (12%)	1.25	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Moment (Ft-lbs)	878 @ 1' 9"	3566	Passed (25%)	1.25	1.0 D + 0.75 L + 0.75 Lr (All Spans)
Live Load Defl. (in)	0.004 @ 1' 9"	0.081	Passed (L/999+)		1.0 D + 0.75 L + 0.75 Lr (All Spans)
Total Load Defl. (in)	0.006 @ 1' 9"	0.162	Passed (L/999+)	-	1.0 D + 0.75 L + 0.75 Lr (All Spans)

Member Length: 3' 6" System: Wall Member Type : Header Building Use: Residential Building Code: IBC 2021 Design Methodology : ASD

PASSED

- Deflection criteria: LL (L/480) and TL (L/240).
- · Allowed moment does not reflect the adjustment for the beam stability factor.
- · Applicable calculations are based on NDS.

Supports	Bearing Length			Loads to Supports (Ibs)				
	Total	Available	Required	Dead	Floor Live	Roof Live	Factored	Accessories
1 - Trimmer - SPF	3.00"	3.00"	1.50"	428	490	490	1163	None
2 - Trimmer - SPF	3.00"	3.00"	1.50"	428	490	490	1163	None

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	3' 6" o/c	
Bottom Edge (Lu)	3' 6" o/c	

[•]Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 3' 6"	N/A	7.0	-	-	
1 - Uniform (PSF)	0 to 3' 6"	14'	17.0	20.0	20.0	Default Load

Member Notes

STUDY DOOR, BED 2 DOOR, STUDY WINDOW

Weyerhaeuser Notes

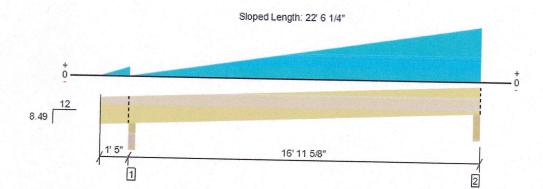
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Member Length: 23' 2 5/8" System: Roof Member Type : Flush Beam Building Use: Residential Building Code: IBC 2021 Design Methodology: ASD Member Pitch: 8.49/12

Level, Roof: Hip/Valley Beam 2 piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	11-4-6-11-4-6-
Member Reaction (lbs)	2106 @ 18' 2 5/8"				Load: Combination (Pattern)
		5206 (3.50")	Passed (40%)		1.0 D + 1.0 Lr (Alt Spans)
Shear (lbs)	1719 @ 17' 3 7/16"	9871	Passed (17%)		1.0 D + 1.0 Lr (Alt Spans)
Moment (Ft-lbs)	6679 @ 11' 1"	22310	Passed (30%)		
Live Load Defl. (in)	0.234 @ 10' 2 3/8"				1.0 D + 1.0 Lr (Alt Spans)
		0.680	Passed (L/999+)		1.0 D + 1.0 Lr (Alt Spans)
Total Load Defl. (in)	0.520 @ 10' 2 1/8"	1.020	Passed (L/471)		1.0 D + 1.0 Lr (Alt Spans)
Deflection criteria: 11 /1/250) -	J TI (I (D.40)	-	(-) (7 1)		THU THE LIGHT (AIL Spans)

criteria: LL (L/360) and TL (L/240).

- Overhang deflection criteria: LL (2L/360) and TL (2L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.

Supports	Bearing Length			Loads to Supports (lbs)			
	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Beveled Plate - SPF	3.50"	3.50"	1.50"	670	495	1166	
2 - Beveled Plate - SPF	3.50"	3 50"	1 50"	1111	793	1100	Blocking

1141 Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	22' 6" o/c	
Bottom Edge (Lu)	22' 6" o/c	

Maximum allowable bracing intervals based on applied load.

•Dimensions for lateral bracing intervals are measured along the length of the member for sloped conditions.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 18' 4 5/8"	N/A	12.1	-	
1 - Tapered (PLF)	0 to 1' 5"	N/A	0.0 to 24.5	0.0 to 28.3	Generated from Roof Geometry
2 - Tapered (PLF)	1' 5" to 18' 4 5/8"	N/A	0.0 to 145.9	0.0 to 169.7	Generated from

Side loads are assumed to not induce cross-grain tension.

Member Notes 12/12, 12/12, VALLEY BEAM

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The product application, input design loads, dimensions and support information have been provided by ForteWEB Software Operator

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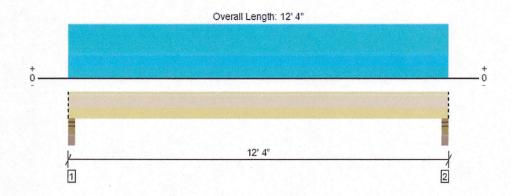
ForteWEB v3.9, Engine: V8.4.3.94, Data: V8.1.7.3

File Name: MILTON ENTERPRISES

MEMBER REPORT

Level, RIDGE BEAM

1 piece(s) 1 3/4" x 14" 2.0E Microllam® LVL



Drawing is Conceptual. All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal (typ.).

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	2331 @ 2"	2603 (3.50")	Passed (90%)	-	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	1780 @ 1' 5 1/2"	5819	Passed (31%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	6805 @ 6' 2"	15161	Passed (45%)	1.25	1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.120 @ 6' 2"	0.400	Passed (L/999+)		1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.252 @ 6' 2"	0.600	Passed (L/571)		1.0 D + 1.0 Lr (All Spans)

Member Length : 12' 4"
System : Roof
Member Type : Drop Beam

Building Use: Residential Building Code: IBC 2021 Design Methodology: ASD Member Pitch: 0/12

[·] Allowed moment does not reflect the adjustment for the beam stability factor.

	Bearing Length			Loads to Supports (lbs)			
Supports	Total	Available	Required	Dead	Roof Live	Factored	Accessories
1 - Stud wall - SPF	3,50"	3.50"	3.13"	1221	1110	2331	Blocking
2 - Stud wall - SPF	3.50"	3.50"	3.13"	1221	1110	2331	Blocking

Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	7' 1" o/c	
Bottom Edge (Lu)	12' 4" o/c	

[•]Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (1.25)	Comments
0 - Self Weight (PLF)	0 to 12' 4"	N/A	7.2	-	
1 - Uniform (PSF)	0 to 12' 4" (Front)	9'	21.2	20.0	Default Load

Side loads are assumed to not induce cross-grain tension.

Member Notes

BEDROOM 1 VAULTED RIDGE BEAM

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[•] Deflection criteria: LL (L/360) and TL (L/240).