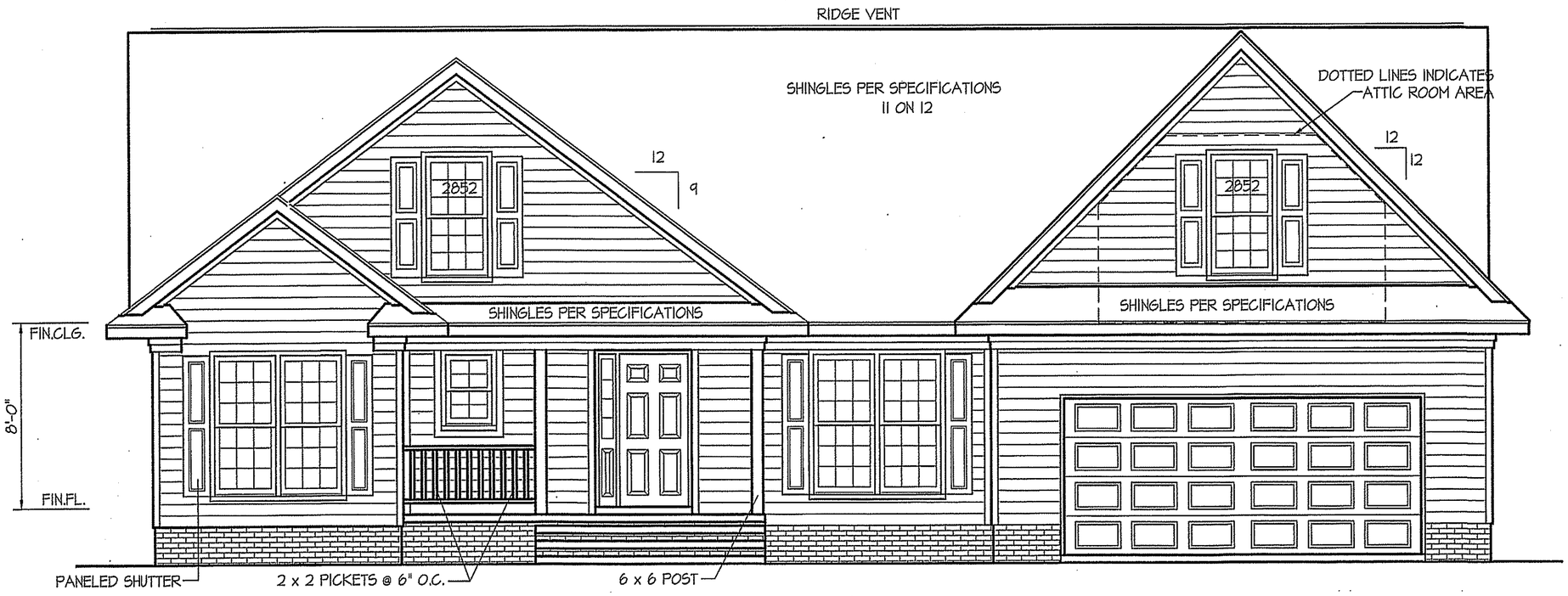
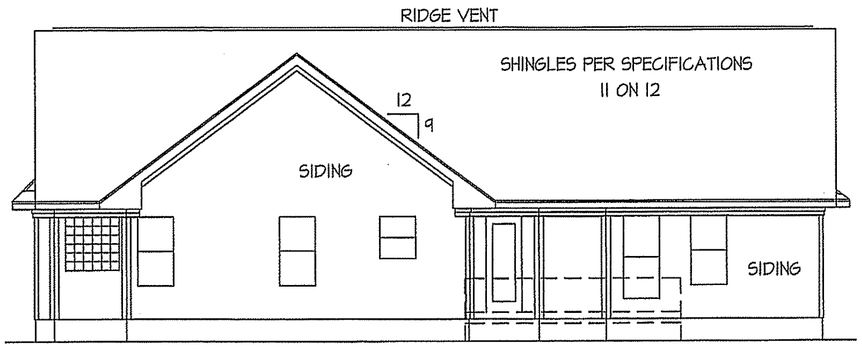
THIS PLAN IS DESIGNED TO MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2012 EDITION



FRONT ELEVATION

SCALE: 1/4" = 1'-0"

INSULATION and FENESTRATION REQUIREMENTS		
CLIMATE ZONE	ZONE-3	ZONE-4
FENESTRATION U-FACTOR	0.35	0.35
GLAZED FENESTRATION SHGC	0.30	0.30
MINIMUM CEILING R-VALUE	R-30	R-38
MINIMUM WALL R-VALUE	R-13	R-15, 13+2.5
MINIMUM FLOOR R-VALUE	R-19	R-19
MIN. CRAWL SPACE WALL R-VALUE	5/10	10/13
MIN. SLAB R-VALUE	0	R-10
PROVIDE STEPS AS REQUIRED GRADE MAY VARY - BUILDER TO VERIFY		



REAR ELEVATION

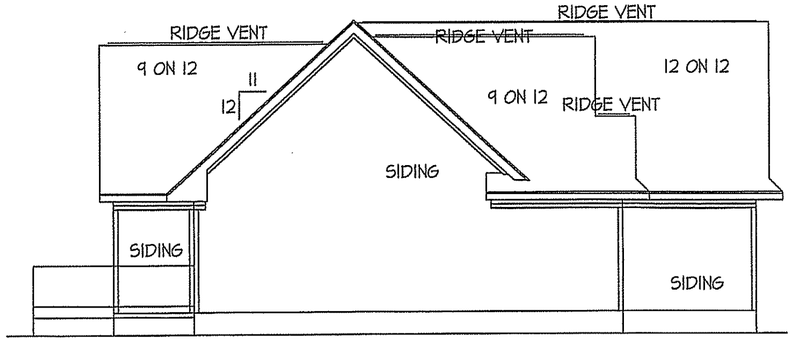
SCALE: 1/8" = 1'-0"

PROVIDE STEPS AS REQ'D.
BUILDER TO VERIFY GRADE
FN'D. VENTS NOT SHOWN (SEE SHEET #3)

ROOF VENTILATION REQ'MTS.
2099 ATTIC SQ. FT. / 300 = 7.0

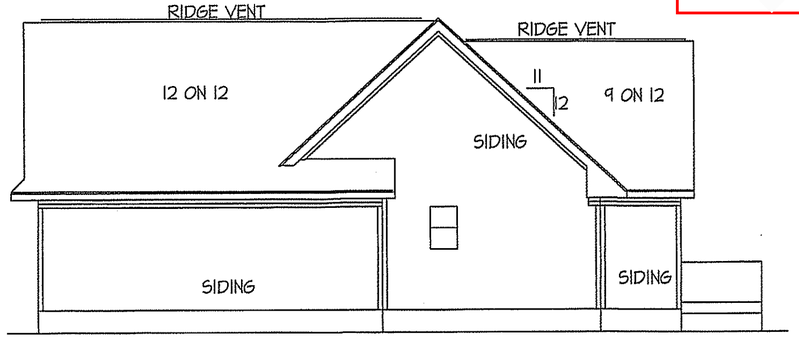
PROVIDED ON PLAN
120 L.F. RIDGE VENT = 22.5
163 L.F. SOFFIT VENT = 8.9
TOTAL = 31.40 S.F. FREE NET AREA

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.
APPROVED
Limited building only review.
Permit holder responsible for full compliance with the code
05/15/2023
Harnett COUNTY NORTH CAROLINA



LEFT ELEVATION

SCALE: 1/8" = 1'-0"



RIGHT ELEVATION

SCALE: 1/8" = 1'-0"

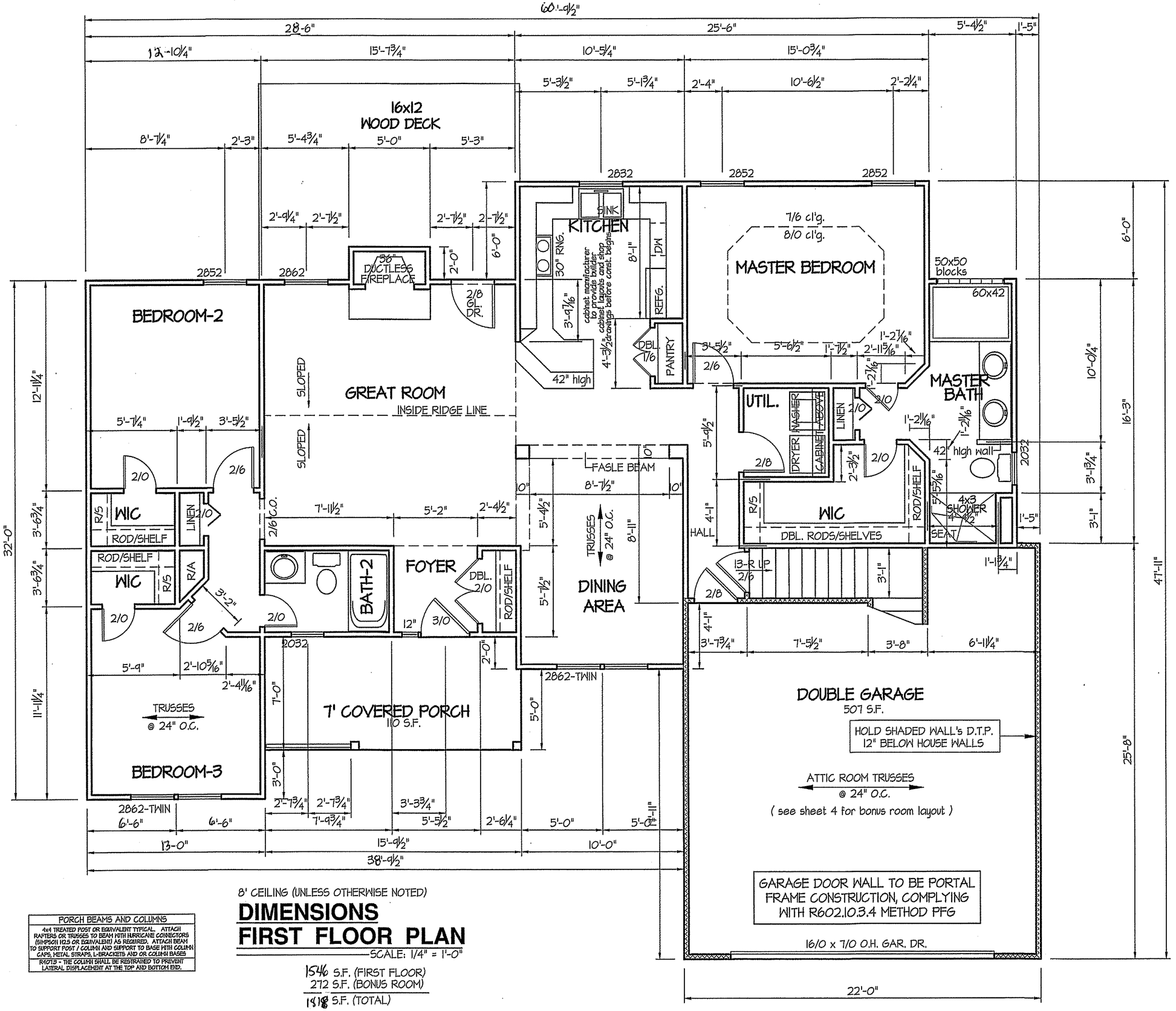
DISK FILE NO. 597 FILE NAME: HUNTINGA - AUGUST 2002

DATE:
MARCH – 2018

WELLONS HOMES
P.O. BOX 730
DUNN, N.C. – 28335
O: (910) 892-3123 FAX: (910) 892-5032

EXCLUSIVE PLAN FOR
WELLONS HOMES
WATERFORD COLLECTION SERIES
PLAN: HUNTINGTON - A
REVERSED

SHEET NO.
1



PORCH BEAMS AND COLUMNS
4x4 TREATED POST OR EQUIVALENT TYPICAL. ATTACH RAFTERS OR TRUSSES TO BEAM WITH HURRICANE CONNECTORS (SIMPSON H2.5 OR EQUIVALENT) AS REQUIRED. ATTACH BEAM TO SUPPORT POST / COLUMN AND SUPPORT TO BASE WITH COLUMN CAPS, METAL STRAPS, L-BRACKETS AND OR COLUMN BASES
R407.3 - THE COLUMN SHALL BE RESTRAINED TO PREVENT LATERAL DISPLACEMENT AT THE TOP AND BOTTOM END.

8' CEILING (UNLESS OTHERWISE NOTED)

DIMENSIONS
FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

1546 S.F. (FIRST FLOOR)
272 S.F. (BONUS ROOM)
1818 S.F. (TOTAL)
1818

DISK FILE NO. 547 FILE NAME: HUNTINGA - AUGUST 2002

DATE:
MARCH – 2018

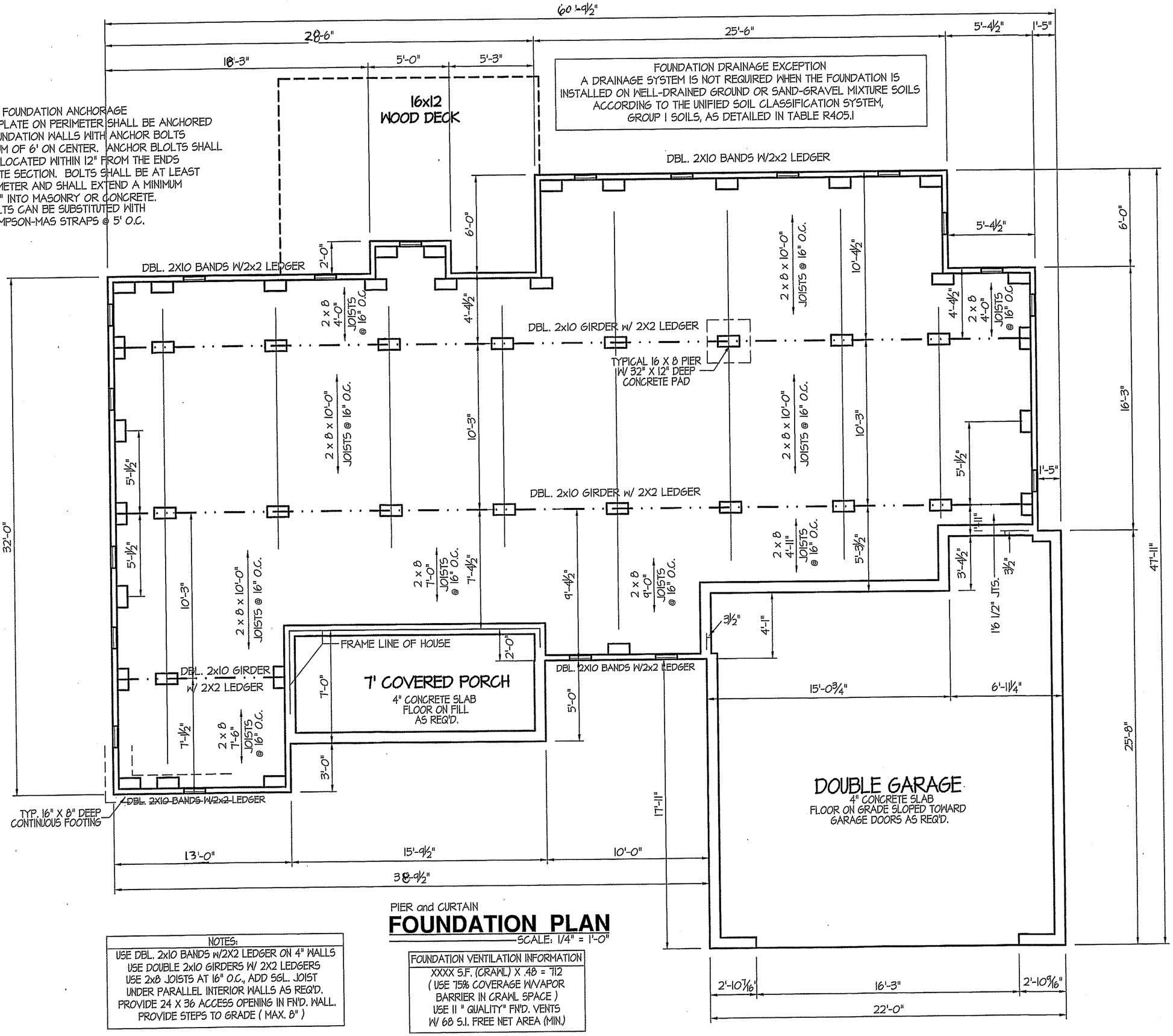
WELLONS HOMES
P.O. BOX 730
DUNN, N.C. – 28335
O: (910) 892-3123 FAX: (910) 892-5032

PLAN:
EXCLUSIVE PLAN FOR WELLONS HOMES
WATERFORD COLLECTION SERIES
HUNTINGTON - A
REVERSED

SHEET NO.
2

FOUNDATION ANCHORAGE
THE WOOD SILL PLATE ON PERIMETER SHALL BE ANCHORED TO THE FOUNDATION WALLS WITH ANCHOR BOLTS SPACED A MAXIMUM OF 6' ON CENTER. ANCHOR BLOLTS SHALL ALSO BE LOCATED WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST 1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7" INTO MASONRY OR CONCRETE. BOLTS CAN BE SUBSTITUTED WITH SIMPSON-MAS STRAPS @ 5' O.C.

FOUNDATION DRAINAGE EXCEPTION
A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND OR SAND-GRAVEL MIXTURE SOILS ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, GROUP I SOILS, AS DETAILED IN TABLE R405.1



PIER and CURTAIN
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

NOTES:
USE DBL. 2x10 BANDS w/2X2 LEDGER ON 4" WALLS
USE DOUBLE 2x10 GIRDERS W/ 2X2 LEDGERS
USE 2x8 JOISTS AT 16" O.C., ADD SGL. JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.
PROVIDE 24 X 36 ACCESS OPENING IN FN'D. WALL.
PROVIDE STEPS TO GRADE (MAX. 8")

FOUNDATION VENTILATION INFORMATION
XXXX S.F. (CRAWL) X .48 = 712
(USE 75% COVERAGE W/VAPOR BARRIER IN CRAWL SPACE)
USE 11 " QUALITY" FN'D. VENTS W/ 68 S.I. FREE NET AREA (MIN.)

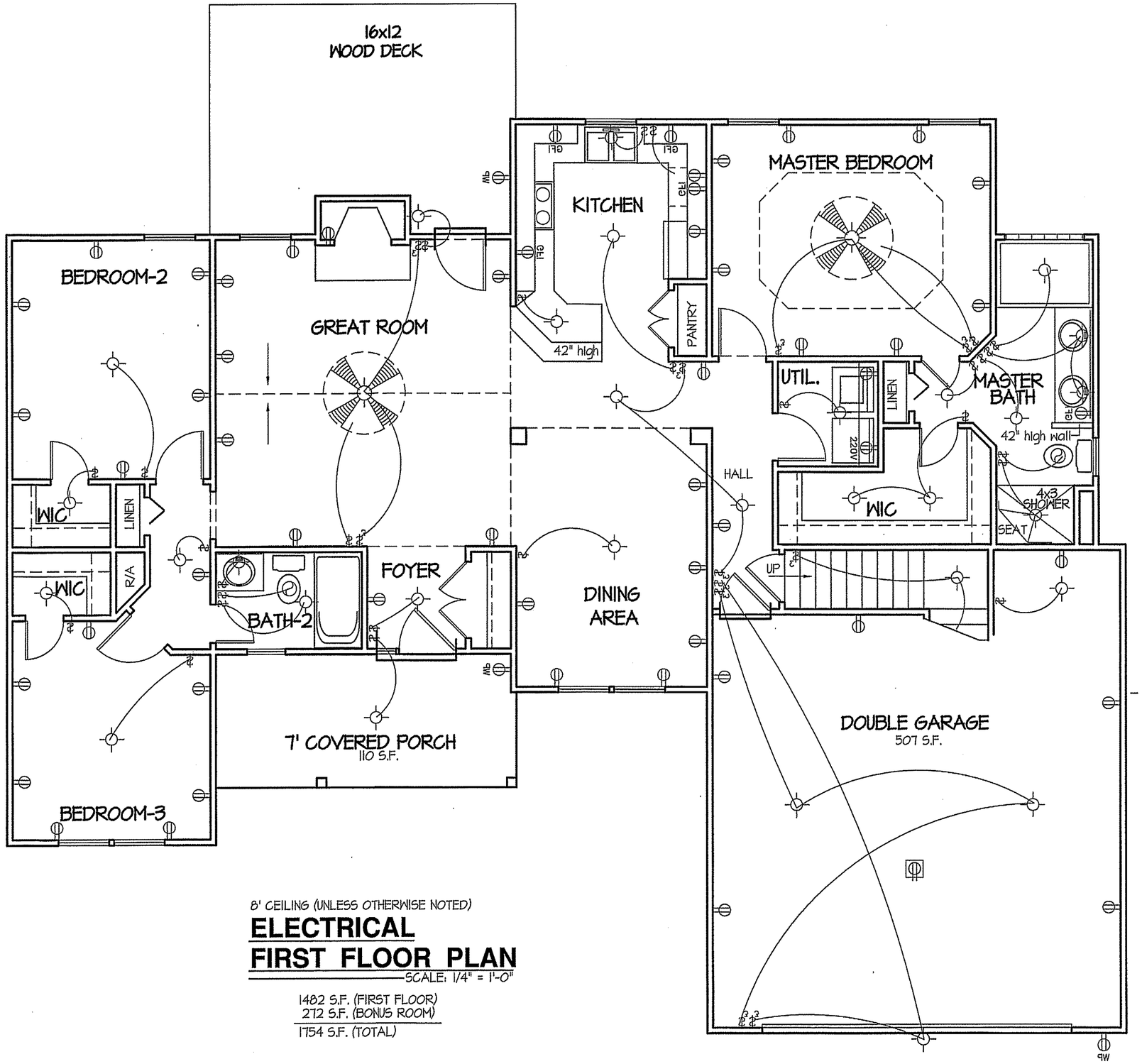
DISK FILE NO. 597 FILE NAME: HUNTINGA - AUGUST 2002

DATE:
MARCH – 2018

WELLONS HOMES
P.O. BOX 730
DUNN, N.C. – 28335
o: (910) 892-3123 FAX: (910) 892-5032

EXCLUSIVE PLAN FOR WELLONS HOMES
WATERFORD COLLECTION SERIES
PLAN: **HUNTINGTON - A**
REVERSED

SHEET NO.
3

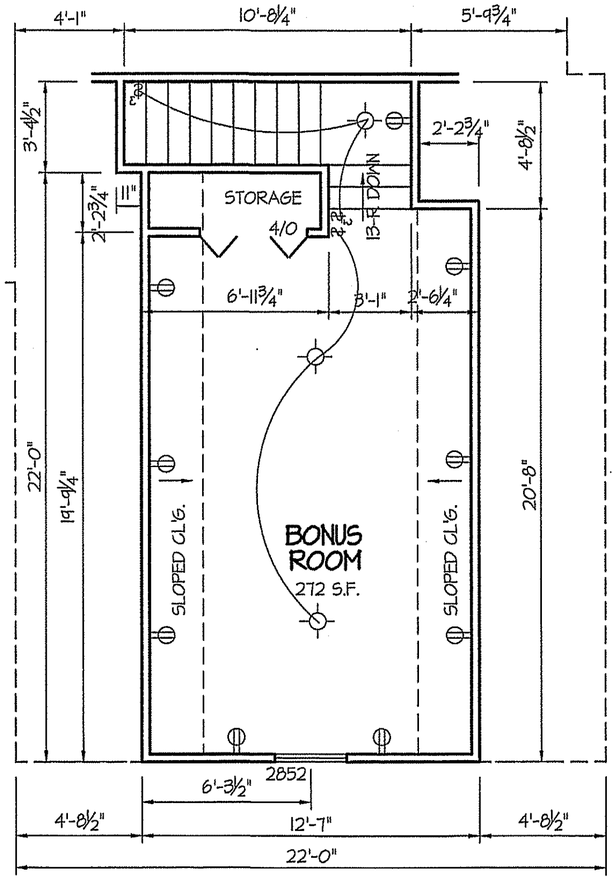


8' CEILING (UNLESS OTHERWISE NOTED)

ELECTRICAL
FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

1482 S.F. (FIRST FLOOR)
272 S.F. (BONUS ROOM)
1754 S.F. (TOTAL)



DIM./ELEC.
BONUS ROOM

SCALE: 1/4" = 1'-0"

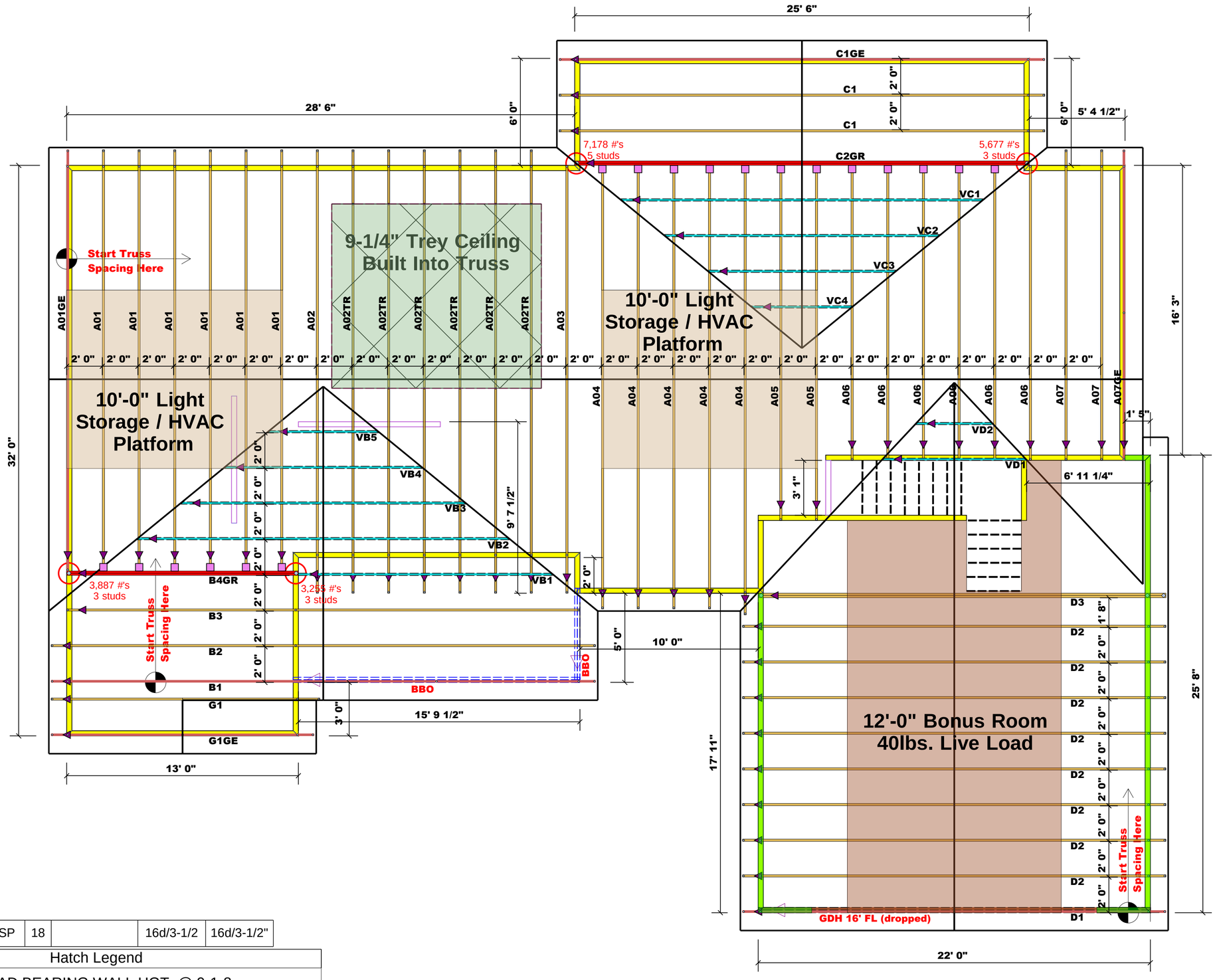
DATE:
MARCH – 2018

WELLONS HOMES
P.O. BOX 730
DUNN, N.C. – 28335
O: (910) 892–3123 FAX: (910) 892–5032

PLAN:
EXCLUSIVE PLAN FOR
WELLONS HOMES
WATERFORD COLLECTION SERIES
HUNTINGTON - A
REVERSED

SHEET NO.
4

DISK FILE NO. 547: FILE-NAME: HUNTINGA - AUGUST 2002



	HUS28	USP	18		16d/3-1/2	16d/3-1/2"

Hatch Legend
= MAIN LOAD BEARING WALL HGT. @ 9-1-8
= DROP GARAGE WALLS 1'-0" BELOW MAIN WALL HGT.

Estimation			
Name	Selection	Formula	Calculation
Roof Area	1st Floor	Roof Area	3210.25
Roof Decking	1st Floor	Roof Decking	110

BEAM LEGEND					
PlotID	Length	Product	Plies	Net Qty	Fab Type
GDH 16' FL (dropped)	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2	FF

Truss Placement Plan
SCALE: 1/4" = 1'-0"

▲= Denotes Left End of Truss
(Reference Engineered Truss Drawing)

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

COMTECH
ROOF & FLOOR TRUSSES & 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 those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature Lenny Norris

Lenny Norris

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))

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

END REACTION (3# TO)	REQ'D # STUDS FOR (2) PLY HEADER	END REACTION (4# TO)	REQ'D # STUDS FOR (3) PLY HEADER	END REACTION (5# TO)	REQ'D # STUDS FOR (4) PLY HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

BUILDER	Wellons Realty Inc.
JOB NAME	Lot 3 The Cape
PLAN	HUNTINGTON
SEAL DATE	Seal Date
QUOTE #	Quote #
JOB #	J0423-1755
CITY / CO.	57 Waters Edge Dr / Harnett
ADDRESS	57 Waters Edge Dr.
MODEL	ROOF
DATE REV.	04/18/23
DRAWN BY	Lenny Norris
SALES REP.	Lenny Norris

DISK FILE NO. 597 FILE NAME: HUNTINGA - AUGUST 2002

* ALL FLOOD VENTS MUST BE WITHIN 1-FOOT OF ADJACENT GROUND LEVEL

FOUNDATION ANCHORAGE
THE WOOD SILL PLATE ON PERIMETER SHALL BE ANCHORED TO THE FOUNDATION WALLS WITH ANCHOR BOLTS SPACED A MAXIMUM OF 6' ON CENTER. ANCHOR BLOLTS SHALL ALSO BE LOCATED WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION. BOLTS SHALL BE AT LEAST 1/2" IN DIAMETER AND SHALL EXTEND A MINIMUM OF 7" INTO MASONRY OR CONCRETE. BOLTS CAN BE SUBSTITUTED WITH SIMPSON-MAS STRAPS @ 5' O.C.

NOTES:
USE DBL. 2x10 BANDS w/2X2 LEDGER ON 4" WALLS
USE DOUBLE 2x10 GIRDERS W/ 2X2 LEDGERS
USE 2x8 JOISTS AT 16" O.C., ADD SGL. JOIST UNDER PARALLEL INTERIOR WALLS AS REQ'D.
PROVIDE 24 X 36 ACCESS OPENING IN FND. WALL.
PROVIDE STEPS TO GRADE (MAX. 8")

FOUNDATION VENTILATION INFORMATION
XXXX S.F. (CRAWL) X .49 = 112
(USE 75% COVERAGE W/VAPOR BARRIER IN CRAWL SPACE)
USE 11 " QUALITY" FND. VENTS W/ 68 S.I. FREE NET AREA (MIN.)

PIER and CURTAIN
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

FOUNDATION DRAINAGE EXCEPTION
A DRAINAGE SYSTEM IS NOT REQUIRED WHEN THE FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND OR SAND-GRAVEL MIXTURE SOILS ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, GROUP I SOILS, AS DETAILED IN TABLE R405.1

TYP. 16" X 8" DEEP CONTINUOUS FOOTING
DBL. 2x10 BANDS W/2x2 LEDGER
DBL. 2x10 GIRDER W/ 2X2 LEDGER
TYPICAL 16 X 8 PIER W/ 32" X 12" DEEP CONCRETE PAD
FRAME LINE OF HOUSE
4" CONCRETE SLAB FLOOR ON FILL AS REQ'D.
7' COVERED PORCH
16x12 WOOD DECK
4" CONCRETE SLAB SLOPED TOWARD GARAGE DOORS AS REQ'D.
DOUBLE GARAGE
1'6 1/2" JTS.
FOUNDATION WALL

32'-0" | 28'-6" | 60'-4½" | 25'-6"
13'-0" | 16'-3" | 5'-0" | 5'-3" | 5'-4½"
3'-0" | 7'-0" | 2'-0" | 2'-0" | 6'-0"
7'-1½" | 10'-3" | 5'-1½" | 5'-1½" | 2'-0"
3'-9½" | 15'-4½" | 10'-0" | 17'-11" | 5'-0" | 9'-4½" | 7'-4½" | 10'-3" | 4'-4½" | 6'-0"
4'-1" | 3½" | 15'-0¾" | 6'-1¼" | 3'-4½" | 1'-11" | 5'-1½" | 4'-4½" | 5'-4½" | 1'-5"
2'-10⅛" | 2'-10⅛" | 16'-3" | 22'-0" | 1'-5"
25'-8" | 16'-3" | 6'-0"
47'-11"

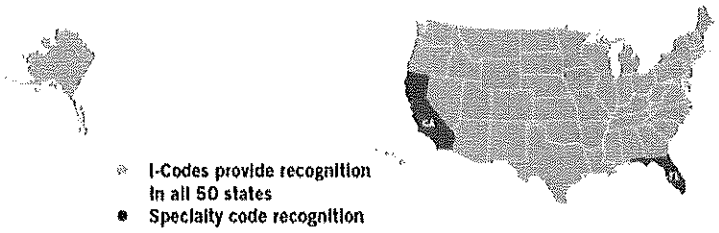
2 x 8 7'-6" JOISTS @ 16" O.C.
2 x 8 x 10'-0" JOISTS @ 16" O.C.
2 x 8 7'-0" JOISTS @ 16" O.C.
2 x 8 9'-0" JOISTS @ 16" O.C.
2 x 8 4'-11" JOISTS @ 16" O.C.
2 x 8 4'-0" JOISTS @ 16" O.C.

FLOOD VENT
FLOOD VENT
FLOOD VENT
FOUNDATION WALL FLOOD VENT (TYPICAL)
DOOR MODEL FLOOD VENT
GARAGE FLOOR

1485 S.F. ENCLOSED
1485/220 = 6.75
7 REQUIRED
465 S.F.
465/220 = 2.1
2 REQUIRED
* 9 FLOOD VENTS REQUIRED

SHEET NO.	PLAN:		DATE:
3	EXCLUSIVE PLAN FOR WELLONS HOMES WATERFORD COLLECTION SERIES **HUNTINGTON - A** **REVERSED**	WELLONS HOMES P.O. BOX 730 DUNN, N.C. – 28335 O: (910) 892-3123 FAX: (910) 892-5032 ©2018, WELLONS HOMES	MARCH – 2018

ICC EVALUATION SERVICE



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ICC-ES Evaluation Report

Reissued March 2022

ESR-4332

This report is subject to renewal March 2024.

DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents / Foundation Flood Vents

REPORT HOLDER:

SMART PRODUCT INNOVATIONS, INC.

EVALUATION SUBJECT:

FREEDOM FLOOD VENT™ AUTOMATIC FOUNDATION FLOOD VENT: MODEL FFV-1608

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code®* (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code®* (IRC)

Properties evaluated:

- Physical operation
- Water flow
- Weathering

2.0 USES

The model FFV–1608 Freedom Flood Vent™ is used to equalize hydrostatic pressure on walls of enclosures subject to rising or falling floodwaters. With the cover removed, the model FFV-1608 also provides natural air ventilation.

3.0 DESCRIPTION

3.1 General:

The model FFV-1608 Freedom Flood Vent™ is an engineered mechanically operated in-wall flood vent (FV) that automatically allows floodwater to enter an enclosed area and exit. The FV is comprised of a polycarbonate frame with mounting flange and a polycarbonate horizontally pivoting door. When subjected to rising water, the model FFV-1608 Freedom Flood Vent™ door is activated and pivots to allow water and debris to flow in either direction to equalize hydrostatic pressure from one side of the enclosure to the other. The FV features a removable polycarbonate cover. The FV door will activate and pivot when subjected to rising water with or without the polycarbonate cover installed.

3.2 Engineered Opening:

The FV complies with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/ SEI 24-14 (2021, 2018 and 2015 IBC and IRC) [Section 2.6.2.2 of ASCE/ SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/ SEI 24, Freedom Flood Vent™ FVs must be installed in accordance with Section 4.0 below. See Table 1 for vent size and maximum allowable area coverage for a single vent.

4.0 DESIGN AND INSTALLATION

The model FFV-1608 Freedom Flood Vent™ is designed to be installed into walls or overhead doors of existing or new construction. Installation of the vent must be in accordance with the manufacturer's instructions, the applicable code, and this report. In order to comply with the engineered opening design principle noted in Sections 2.7.2.2 and 2.7.3 of ASCE/ SEI 24-14 (2021, 2018 and 2015 IBC and IRC) [Section 2.6.2.2 of ASCE/ SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Freedom Flood Vent™ must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 250 square feet (23.2 m^2) of enclosed area.
- Below the base flood elevation.
- With the bottom of the vent located a maximum of 12 inches (305.4 mm) above the higher of the final interior grade or floor and the finished exterior grade immediately under each opening.

5.0 CONDITIONS OF USE

The Freedom Flood Vent™ described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The model FFV-1608 Freedom Flood Vent™ unit must be installed in accordance with this report, the applicable code and the manufacturer's published installation instructions. In the event of a conflict, the instructions in this report shall govern.

5.2 The model FFV-1608 Freedom Flood Vent™ unit must not be used in place of "breakaway walls" in coastal

high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

5.3 Use of the Freedom Flood Vent as under-floor space ventilation is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised February 2021).

7.0 IDENTIFICATION

7.1 The Freedom Flood Vent™ model described in this report must be identified by a label bearing the manufacturer's name (Smart Product Innovations, Inc.) and the evaluation report number (ESR-4332).

7.2 The report holder's contact information is the following:

SMART PRODUCT INNOVATIONS, INC.
430 ANDBRO DRIVE, UNIT 1
PITMAN, NEW JERSEY 08071
(800) 507-1527
www.freedomfloodvent.com
info@freedomfloodvent.co

TABLE 1—FREEDOM FLOOD VENT™

MODEL NAME	MODEL NUMBER	MODEL SIZE	COVERAGE (sq. ft.)
Freedom Flood Vent™	FFV-1608	$15^{3}/_{4}$" X $8^{1}/_{16}$"	250

For **SI:** 1 inch = 25.4 mm

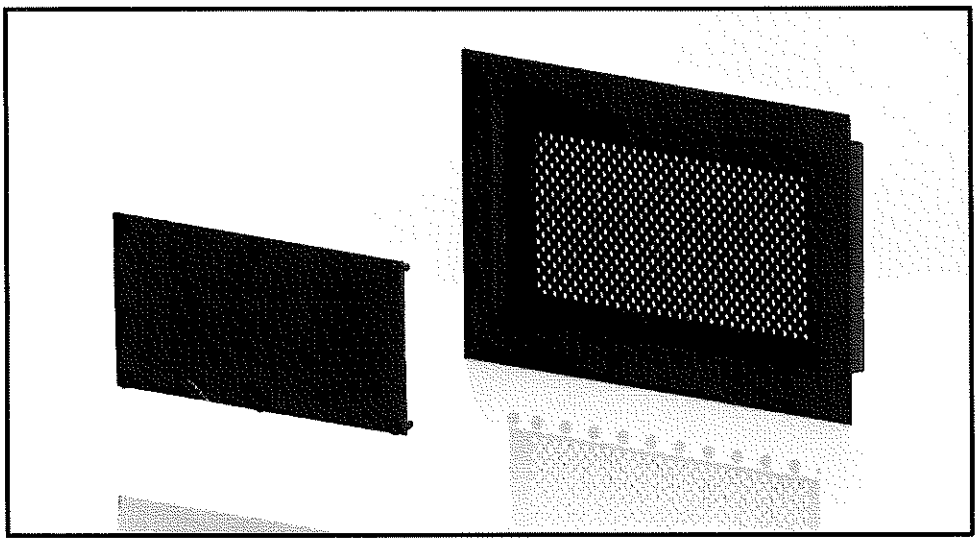


FIGURE 1—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH COVER REMOVED

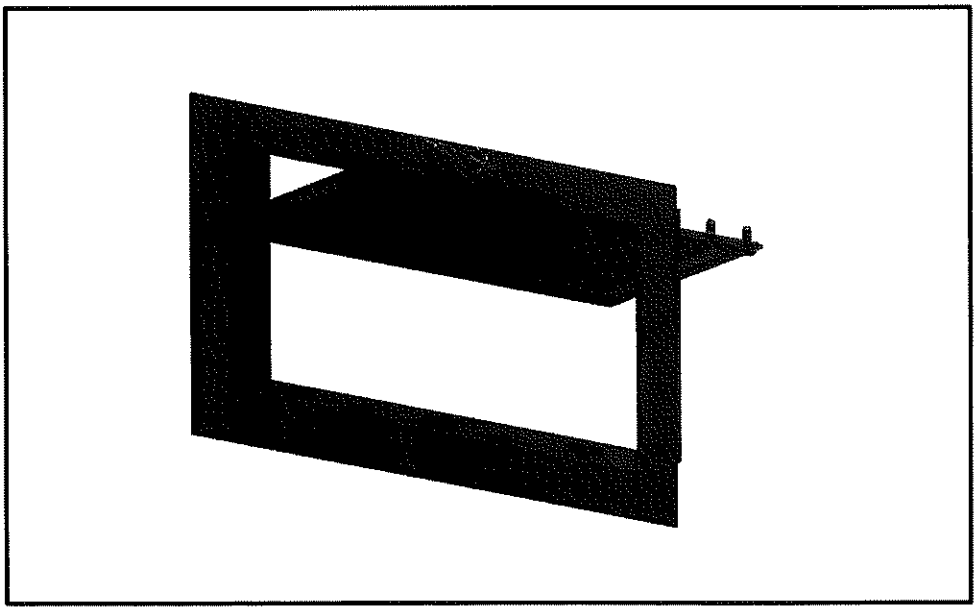
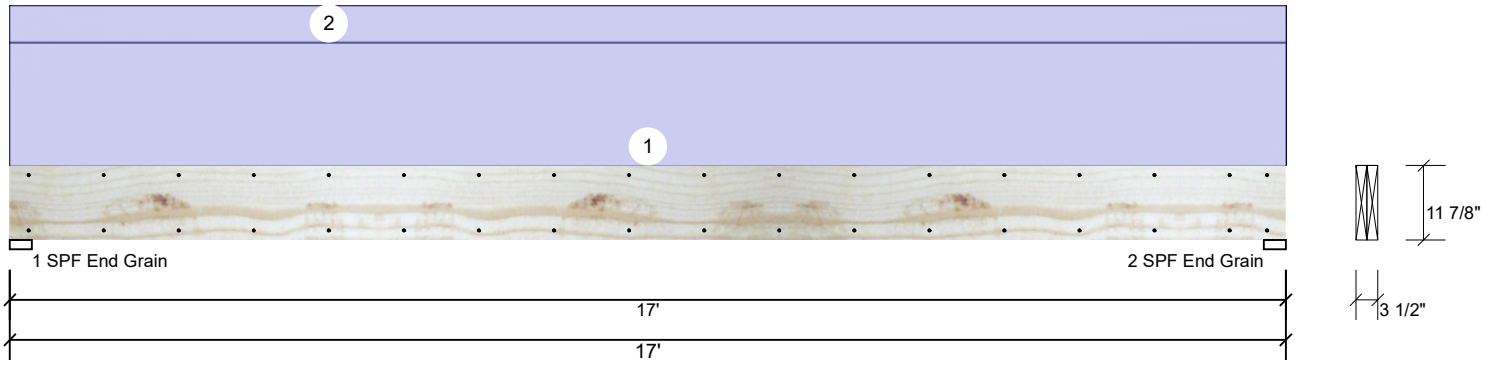


FIGURE 2—MODEL FFV-1608 FREEDOM FLOOD VENT™: SHOWN WITH FLOOD DOOR PIVOTED OPEN

Client:	WELLONS	Date:	4/18/2023
Project:		Input by:	LENNY NORRIS
Address:		Job Name:	HUNTTINGTON
		Project #:	

GDH 16' Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED

Level: Level



Member Information

Type:	Girder	Application:	Floor
Plies:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	360	Deck:	Not Checked
Importance:	Normal - II		
Temperature:	Temp <= 100°F		

Reactions UNPATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	2289	0	0	0
2	Vertical	0	2289	0	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	Vert	22%	2289 / 0	2289	Uniform	D
2 - SPF End Grain	3.500"	Vert	22%	2289 / 0	2289	Uniform	D

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	9209 ft-lb	8'6"	17919 ft-lb	0.514 (51%)	D	Uniform
Unbraced	9209 ft-lb	8'6"	9215 ft-lb	0.999 (100%)	D	Uniform
Shear	1953 lb	1'3 3/8"	7980 lb	0.245 (24%)	D	Uniform
LL Defl inch	0.000 (L/999)	0	999.000 (L/0)	0.000 (0%)		
TL Defl inch	0.490 (L/405)	8'6 1/16"	0.551 (L/360)	0.888 (89%)	D	Uniform

Design Notes

1. Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
2. Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
3. Refer to last page of calculations for fasteners required for specified loads.
4. Girders are designed to be supported on the bottom edge only.
5. Top loads must be supported equally by all plies.
6. Top must be laterally braced at a maximum of 9'11 13/16" o.c.
7. Bottom must be laterally braced at end bearings.
8. Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	200 PLF	0 PLF	0 PLF	0 PLF	0 PLF	GABLE END
2	Uniform			Top	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	DEAD WALL
	Self Weight				9 PLF					

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation
6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

Manufacturer Info

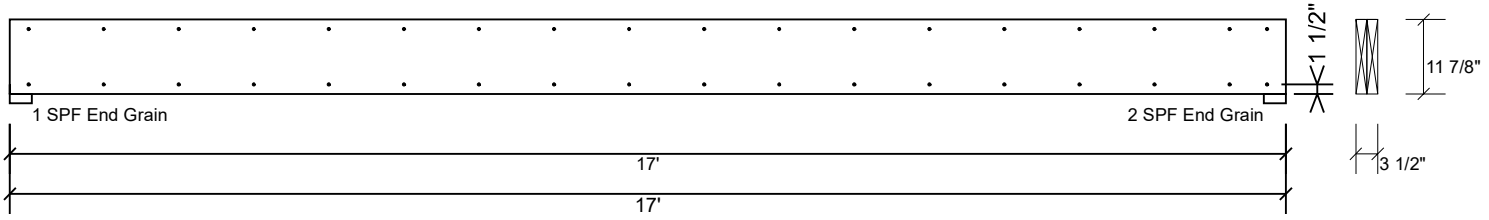
Metsä Wood
301 Merritt 7 Building, 2nd Floor
Norwalk, CT 06851
(800) 622-5850
www.metsawood.com/us

Comtech
Reilly Road Industrial Park P.O. Box 40408, NC
USA
28309
910-864-8787

Client:	WELLONS	Date:	4/18/2023
Project:		Input by:	LENNY NORRIS
Address:		Job Name:	HUNTTINGTON
		Project #:	

GDH 16' Kerto-S LVL 1.750" X 11.875" 2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	163.7 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation

1. LVL beams must not be cut or drilled
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation
6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

Manufacturer Info

Metsä Wood
301 Merritt 7 Building, 2nd Floor
Norwalk, CT 06851
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