

160 mph - Standard Wood Shed Master Plan

GENERAL NOTES:

1. THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2009 IBC BUILDING CODE & 2010 FLORIDA BUILDING CODE. WIND LOADING DESIGNED IN ACCORDANCE WITH THE ASCE - 7-10.
2. ALL MATERIALS AND LABOR SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.
3. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSION.
4. OUTSIDE OVERALL DIMENSIONS CAN VARY BETWEEN LIMITS SHOWN BUT MEMBER SPACING SHALL NOT EXCEED LIMITS AS INDICATED.
5. LUMBER USED FOR CONSTRUCTION SHALL BE AS FOLLOWS:

FLOOR JOISTS- 2x4 S.Y.P.#2-(12-15% MOISTURE CONTENT)

2x6 S.Y.P.#2-(12-15% MOISTURE CONTENT)

2x8 S.Y.P.#2-(12-15% MOISTURE CONTENT)

WALL STUDS- 2x4 S.Y.P.#1-(12-15% MOISTURE CONTENT)

ROOF RAFTERS- 2x4 S.Y.P.#1-(12-15% MOISTURE CONTENT)

2x6 S.Y.P.#1-(12-15% MOISTURE CONTENT)

COLLAR TIES- 2x4 S.Y.P.#1-(12-15% MOISTURE CONTENT)

WINDOW SILLS- 2x4 S.Y.P.#1-(12-15% MOISTURE CONTENT)

6. ALL OF THE FOLLOWING LUMBER SHALL BE PRESSURE TREATED: SKIDS, FLOOR JOISTS AND 3/4" T&G FLOOR SHEATHING
7. TRUSS DESIGNED TO SUPPORT D.L.+L.L.=30 P.S.F.
8. HANDICAP ACCESS TO BUILDING IS FIELD INSTALLED BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
9. ALL ALUMINUM TO BE 3005-3105 ALLOY WITH 32,000 PSI MINIMUM YIELD STRENGTH.
10. ROOF SLOPE SHALL BE 3:12 WHEN SHINGLES ARE APPLIED, SEE FBC 1507.2 FOR SHINGLE REQUIREMENTS. ROOF SLOPE FOR METAL ROOFS SHALL MEET MANUFACTURER'S RECOMMENDATIONS.
11. ROOF RAFTERS SHALL HAVE THE SAME SPACING AS THE WALL STUDS AND SHALL BE LOCATED DIRECTLY OVER THE WALL STUD.
12. ROOF SLOPES BETWEEN 2:12 AND 4:12 SHALL HAVE A DOUBLE UNDERLAYMENT APPLICATION IN ACCORDANCE WITH SECTION 1507.2.8 OF THE F.B.C. 2010
13. WHEN ROOFING PANELS ARE PLACED VERTICALLY DADO IN 1x4's AT 24" O.C., MAX. FASTEN TO EACH RAFTER w/ (3) - 0.131"x 2 1/4" LONG GUN NAILS.
14. ANCHORS SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE LOCAL CODES AND THIS IS NOT A FOUNDATION DESIGN.
15. BUILDING IS CLASSIFIED AS TYPE "S" (STORAGE)
16. ALUMINUM WINDOWS - TYPE, SIZE, QUANTITY, AND LOCATION MAY VARY.
17. ALL FASTENERS INTO P.T. WOOD SHALL BE HOT DIPPED GALVANIZED FASTENERS.
18. MANUFACTURER INSTALLATION STANDARDS SHALL BE FOLLOWED IN ORDER FOR THESE DESIGN DRAWINGS TO ACCURATELY REFLECT FIELD PERFORMANCE CONDITIONS.
19. THESE STRUCTURES SHALL NOT BE USED FOR COMBUSTIBLE OR HAZARDOUS MATERIAL.

Handi-House

P.O. Box 830

Swainsboro, GA 30401

Sheet Index

S1.0	Cover - General & Design Notes
S1.1	Electrical & General Floor Plan
S1.2	Skids & Floor Framing Plan
S1.3	Skid and Floor Framing Details
S1.4	Openings Schedule & Framing
S1.5	Roof Framing & Schedule
S1.6	Typical Frame Section Details
S1.7	End Wall Frame Options

GENERAL NOTES CONTINUED:

20. OPTIONAL EXTERIOR WALL COVERINGS INCLUDE CORRUGATED ALUMINUM, MASA ALUMINUM, 4" LAP ALUMINUM, 5/8" P.T. T1-11 SIDING, VINYL SIDING WITH ENERGY BRACE BACKER, HARDI BOARD, STEEL SIDING AND "PLEKO" STUCCO ON 5/8" DENSE GLASS GOLD.
 21. ALL DOORS SHALL BE ABLE TO BE OPENED FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY.
 22. DOOR SHALL BE 2 1/4" x 1 1/16" ALUMINUM EXTRUDED FRAME WITH AN ALUMINUM PANEL INSERT. ALUMINUM TRIM AND ALUMINUM PIANO HINGE ATTACHED WITH ALUMINUM RIVETS. DOOR ATTACHED TO VERTICAL 2x4.
 23. OPTIONAL DOORS INCLUDE DOUBLE ALUMINUM DOORS, GARAGE DOORS, 60" x 72" ALUMINUM DOOR, 32" AND 48" SINGLE DOORS, AND PRE HUNG STEEL DOORS. TYPE, SIZE, QUANTITY, AND LOCATION MAY VARY.
 24. PREMANUFACTURED DOORS THAT MEET APPLICABLE CODES MAY BE USED INSTEAD OF DOORS LISTED ABOVE
 25. MAXIMUM WALL HEIGHT TO BE 8'-0", STUD AND RAFTER SPACING SHALL BE 16" O.C., Max. FOR ANY WALL HEIGHT ABOVE 7'-0", WALLS UNDER 7'-0" IN HEIGHT MAY HAVE FRAMING SPACED AT 24" O.C., Max.
 26. ALL BRAND MATERIALS SPECIFIED MAY BE SUBSTITUTED FOR EQUIVALENT OR GREATER PRODUCT.
 27. ALL BUILDINGS (EXCEPT THOSE IN USE AS AN ACCESSORY BUILDING FOR A ONE OR TWO FAMILY DWELLING UNDER 400sq.ft.) MUST HAVE ATLEAST (1) 32"x80" (MIN.) DOOR.
- DESIGN PARAMETERS: (HIP-GABLE ROOF)
[WIND DESIGN PER ASCE 7-10, SEISMIC DESIGN PER AISC 341-05]
1. WIND VELOCITY: 160mph
 2. WIND IMPORTANCE FACTOR: 1.0
 3. WIND EXPOSURE: C
 4. INT. PRESSURE COEFFICIENT: 0.18 ±
 5. ENCLOSURE CLASSIFICATION: ENCLOSED
 6. COMPONENTS AND CLADDING:
 - ROOF LOAD (ZONE #1): +21.0/-42.8 PSF
 - ROOF LOAD (ZONE #2): +21.0/-60.3 PSF
 - ROOF LOAD (ZONE #3): +21.0/-95.2 PSF
 - WALL LOAD (ZONE #4): +45.50/-49.80 PSF
 - WALL LOAD (ZONE #5): +46.30/-58.50 PSF
 - WALL LOAD (ZONE #4#5): +45.90/-54.20 PSF
 7. FLOOR DESIGN LIVE LOAD: 125 PSF
 8. FLOOR DESIGN DEAD LOAD: 12 PSF
 9. ROOF DESIGN LIVE LOAD: 20 PSF
 10. ROOF DESIGN DEAD LOAD: SELF WEIGHT
 11. WALL DESIGN LOAD: 8 PSF
 12. COMBINATION LOADS: AS PER ASCE 7-10
 13. SEISMIC USE GROUP: B
 14. BUILDING CATEGORY: I
 15. BUILDING OCCUPANCY: STORAGE - NON HABITABLE
 16. CONSTRUCTION TYPE: V B
 17. ALLOWABLE FLOORS: 1
 18. EXTERIOR WALL FIRE RATING: 0
 19. DESIGN OVERHANG: 8 INCH
 20. DESIGN MEETS INTERNATIONAL BUILDING CODE 2009 & FLORIDA BUILDING CODE 2010
 21. THE CONTRACTOR/MANUFACTURER MUST COMPLY WITH THE FOLLOWING CODES:
 - 2010 FLORIDA BUILDING CODE
 - 2010 FLORIDA MECHANICAL CODE
 - 2010 FLORIDA PLUMBING CODE
 - 2012 FLORIDA ACCESSIBILITY CODE
 - 2009 INTERNATIONAL BUILDING CODE
- THESE BUILDINGS ARE EXEMPT FROM THE THE 2010 FBC ENERGY CODE IN ACCORDANCE WITH 101.5.2
- SITE INSTALLED ITEMS:
1. THE COMPLETE FOUNDATION SUPPORT AND TIE-DOWN SYSTEM.
 2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
 3. ELECTRICAL SERVICE HOOKUP (INCLUDING FEEDERS) TO THE BUILDING.
 4. ROOF DRAINAGE SHALL COMPLY WITH F.B.C. 2010 1503 AND R318.6
- NOTE: THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL.

Approval Stamps:

Plan No. 12EN224 SW5

Approved By: R. Haney

Richard Haney

Modular Building Plans Examined for Florida Certificate 224-001

Raised seal plans on file at NDI headquarters

Working as agent for DCA

These Prints comply with the

Florida Manufactured Bld

Act and adopted Codes and

Adhere to the following Criteria

Construction Type

Occupancy

Allowable # floors

Wind Velocity

Fire Rating of Ext. Walls

Plan # 12EN224 SW5

Allow. Floor Load

Approval Date

Manf. Handi-House

Approve of this Document does not

Authorize or Approve any Deviation

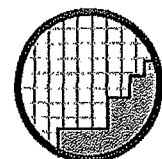
from the requirements of applicable

State Laws

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03/19/12

Richard B. Haney



Haney Associates, Inc.

Engineering & Construction Planning

P.O. Box 348, Six Mile, S.C. 29682 - Phone: 864-646-7600

These Plans Were Designed in
Accordance with the 2010 Florida
Building Code for a Wind Speed of
160 m.p.h.

Standard Wood Shed Master

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Designed By: Project No.
O.R.H. 12EN224

Checked By: Date:
C.L.A. 03/19/12

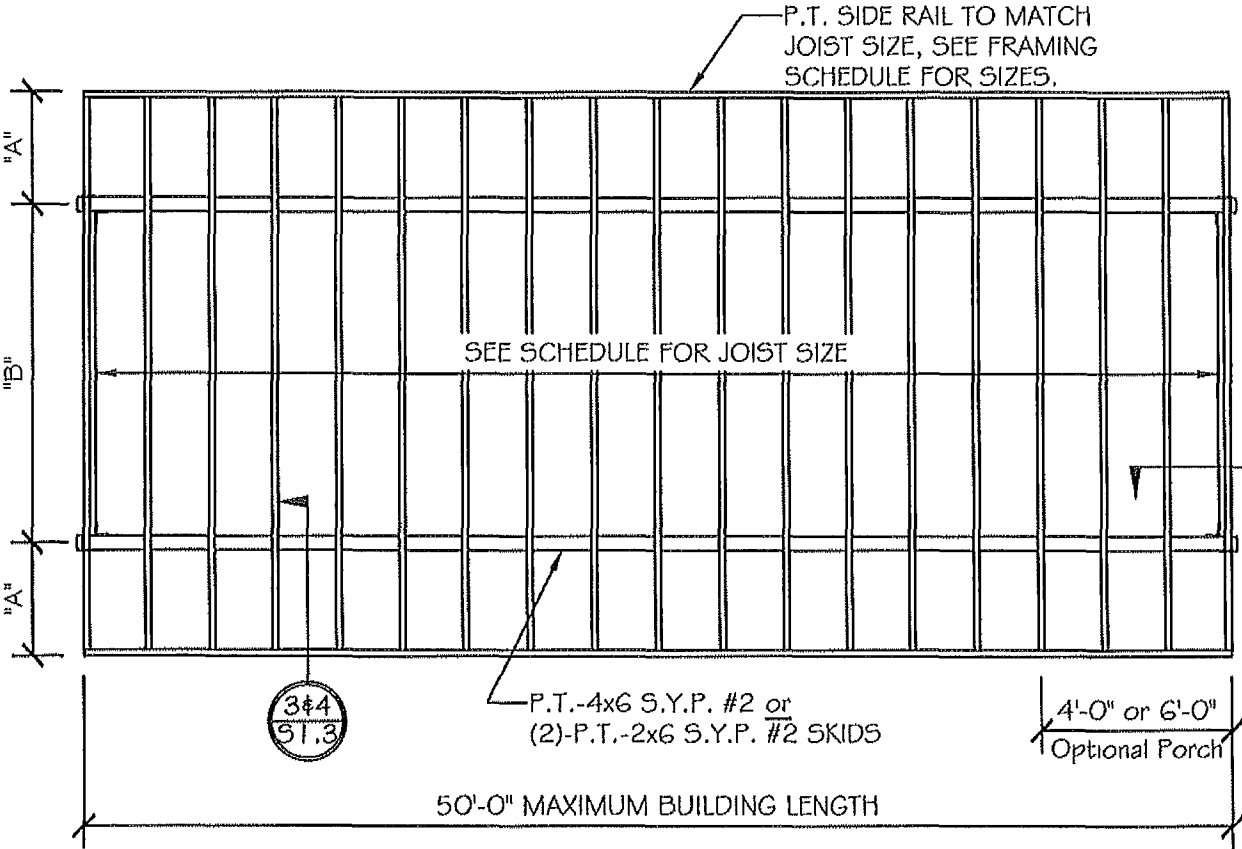
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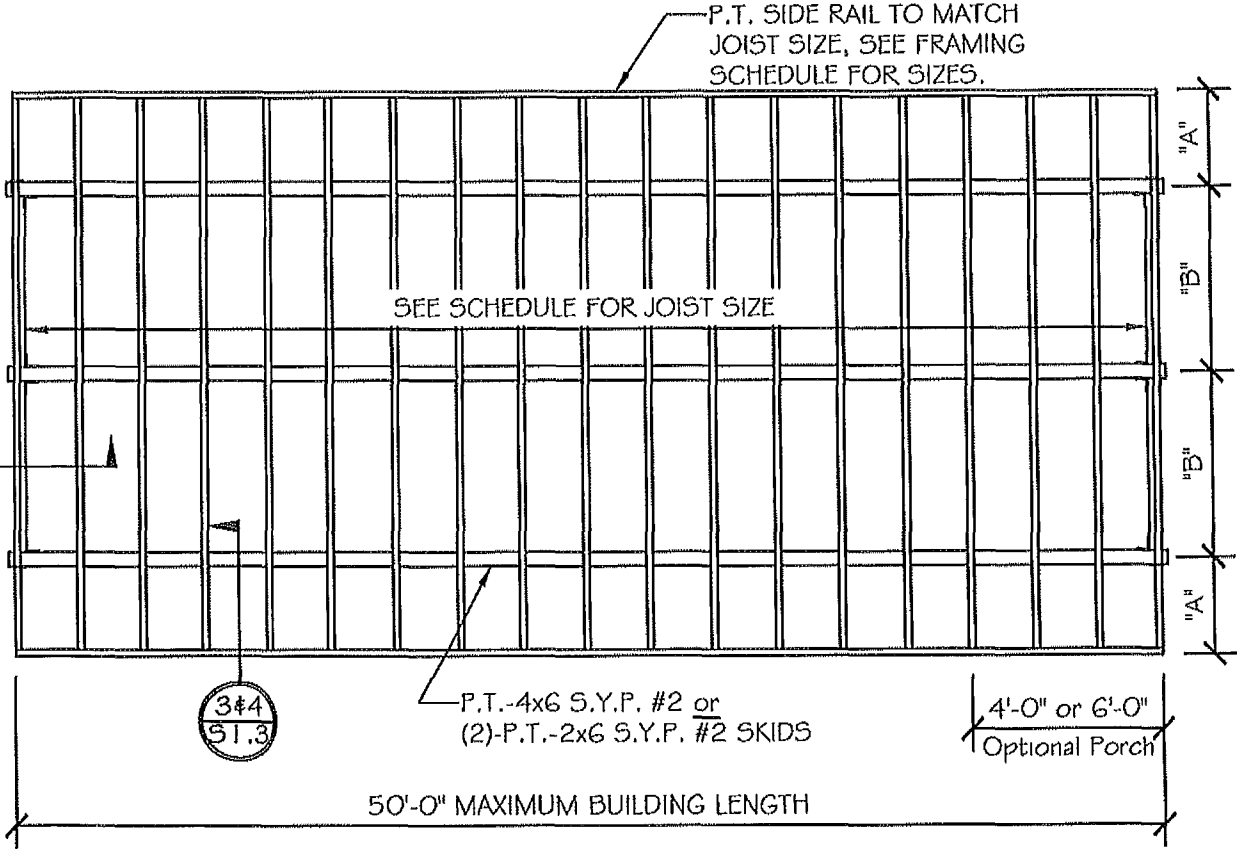
1 of 8

SKID LAYOUT AND FLOOR FRAMING SCHEDULE							
125 psf Live Load (2 Skid)				125 psf Live Load (3 Skid)			
Width	Joist Size&Spacing	A	B	Width	Joist Size&Spacing	A	B
6'-0"	2x4's @ 16" O.C., Max.	15"	42"	6'-0"	2x4's @ 16" O.C., Max.	12"	24"
8'-0"	2x6's @ 16" O.C., Max.	18"	60"	8'-0"	2x6's @ 16" O.C., Max.	16"	32"
10'-0"	2x6's @ 16" O.C., Max.	24"	72"	10'-0"	2x6's @ 16" O.C., Max.	20"	40"
11'-0"	2x6's @ 16" O.C., Max.	24"	84"	11'-0"	2x6's @ 16" O.C., Max.	22"	44"
11'-8"	2x6's @ 16" O.C., Max.	28"	84"	11'-8"	2x6's @ 16" O.C., Max.	24"	46"
13'-0"	2x8's @ 16" O.C., Max.	36"	84"	13'-0"	2x8's @ 16" O.C., Max.	26"	52"
13'-8"	2x8's @ 16" O.C., Max.	40"	84"	13'-8"	2x8's @ 16" O.C., Max.	28"	56"

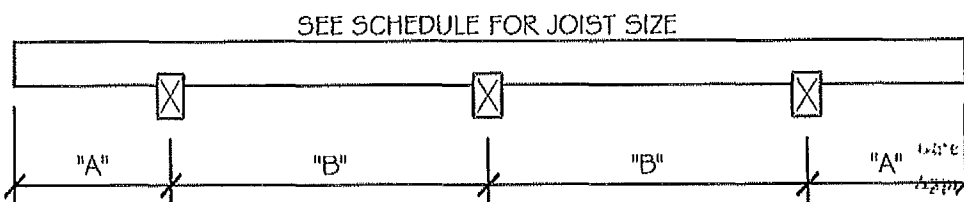
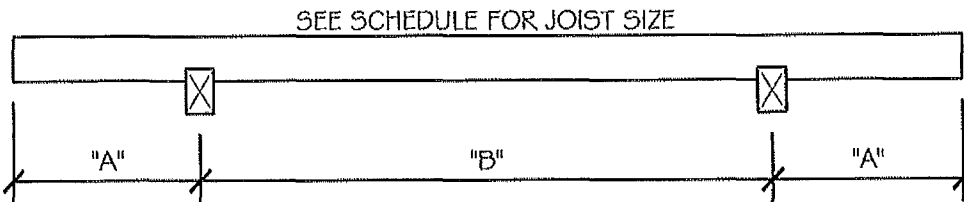
- NOTES:
- FASTENERS WILL MEET THE MINIMUM REQUIREMENTS FOR ALL STRUCTURAL COMPONENTS AS SET FORTH UNDER FBC 2304.9.1 AND TABLE 2304.9.1 UNLESS OTHERWISE SPECIFIED.
 - ALL SKIDS ARE P.T.-4x6 S.Y.P. #2 OR (2)-P.T.-2x6 S.Y.P. #2
 - 6'-0" WIDE UNITS MAY USE 2x4 S.Y.P. #3 JOISTS
 - ALL JOISTS ARE TO BE P.T.-S.Y.P. #2



Typical 2 Skid Floor Framing Plan
SCALE: 1/4"=1'-0"



Typical 3 Skid Floor Framing Plan
SCALE: 1/4"=1'-0"



Approval Stamps:

3/19/12

Plan No. 12EN224 SWS

Approved By: [Signature]

Richard L. Bullock

Modular Building Plans Examiner Florida Certificate 240601

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[Signature]

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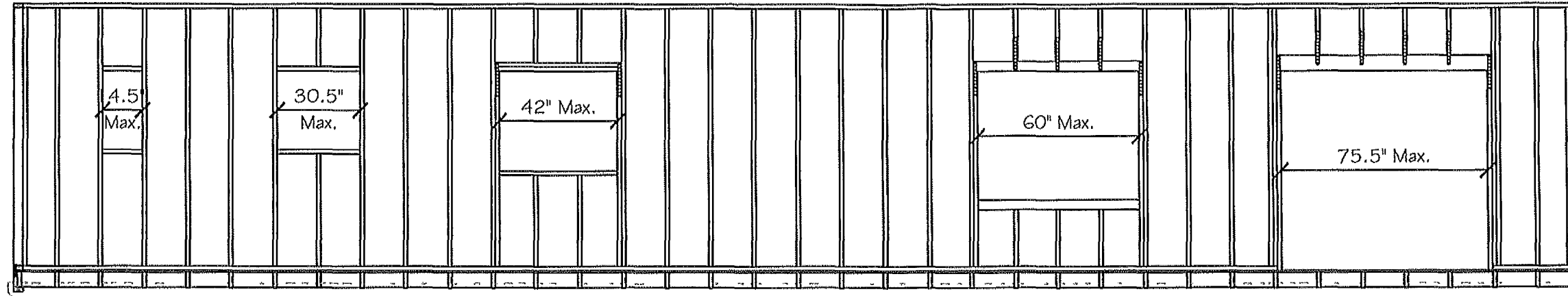
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3 of 8

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SEE SCHEDULE BELOW FOR ALL
OPENING REQUIREMENTS.

50'-0" MAXIMUM BUILDING LENGTH

Typical Side Wall Openings Framing
SCALE: 1/4"=1'-0"

Date 3/19/12 Plan No. 12EN224 SHS
Approved By R. Bullock
Richard L. Bullock
Modular Building Plans Container Florida Certificate 22R 661

WALL OPENINGS FRAMING SCHEDULE

Max. Opening	Header/Sill Type	Header Fasteners (Each End)	Sill Fasteners (Each End)	King/Jack Studs	Option A: Stud to Band Joist Strapping & Nails (each end)	Option B: Stud to Band Joist Clips	Option A: Anchor Lags	Option B: Anchor Lags
14.5"	1 / 1	(4)-16d Nails	(2)-16d Nails	1 / 0	None Required	None Required	(N / A)	(N / A)
22.5"	1 / 1	(5)-16d Nails	(2)-16d Nails	1 / 0	None Required	None Required	(N / A)	(N / A)
30.5"	2 / 1	(7)-16d Nails	(4)-16d Nails	1 / 0	None Required	None Required	(N / A)	(N / A)
42"	2 / 1	(8)-16d Nails	(5)-16d Nails	1 / 1	(2)-20ga. w/ (5)-0.131x2.25" Nails	(2) Simpson H-3	5	5
60"	2 / 2	(10)-16d Nails	(7)-16d Nails	1 / 1	(2)-20ga. w/ (5)-0.131x2.25" Nails	(2) Simpson H-3	7	5
63"	3 / 2	(10)-16d Nails	(9)-16d Nails	2 / 1	(3)-20ga. w/ (7)-0.131x2.25" Nails	(3) Simpson H-3	8	6
75.5"	3	(13)-16d Nails	(N / A)	2 / 1	(3)-20ga. w/ (7)-0.131x2.25" Nails	(3) Simpson H-3	10	7
96"	3	(13)-16d Nails	(N / A)	2 / 1	(3)-20ga. w/ (9)-0.131x2.25" Nails	(3) Simpson H-3	11	12

NOTES:

- ALL HEADERS AND SILLS SHALL BE CONSTRUCTED FROM S.Y.P. #1
- STRAPS, CLIPS AND ANCHORING LAGS STATED ARE FOR EACH SIDE OF OPENINGS
- STRAPPING MAY WRAP BAND JOIST IF NEEDED TO INSTALL REQUIRED # OF FASTENERS
- ANCHORING LAGS SHALL BE 1" FROM STUD AND SPACED 1" O.C. CENTERED ON BAND JOIST
- REFER TO CLIP MANUFACTURER FOR CLIP FASTENING REQUIREMENTS
- SIMPSON C516 STRAPS (OR EQUAL) REQUIRED TO TIE HEADER TO JACK STUD FOR ALL OPENINGS 42" OR GREATER, STRAPS ARE ALSO REQUIRED FOR ALL INTERRUPTED STUDS ON OPENINGS 60" OR GREATER


(1)-2x4 S.Y.P. #1

Header/Sill Type 1
SCALE: 1.5"=1'-0"


(2)-2x4 S.Y.P. #1 w/ 1/2" PLYWOOD
SPACER or (1)-4x4 S.Y.P. #1

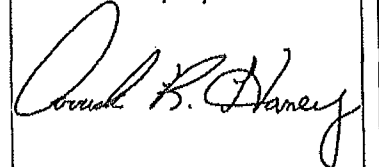
Header/Sill Type 2
SCALE: 1.5"=1'-0"

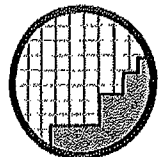

(2)-2x6 S.Y.P. #1 w/
1/2" PLYWOOD SPACER

Header/Sill Type 3
SCALE: 1.5"=1'-0"

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5 of 8