

January 10, 2024

Mr. Thomas Campbell
Florida Department of Business and Professional Regulation
Codes & Standards Office
2601 Blair Stone Road, Building C
Tallahassee, FL 32399-0772

RE: Manufacturer: South Country Sheds
Agency Plan Number: R-21252 (FL) Barn Roof Shed

Dear Mr. Campbell,

Architectural Testing Inc., an Intertek company ("Intertek-ATI"), part of Intertek¹ Building Science Solutions, in accordance with the requirements of the Florida Department of Business and Professional Regulations, the above-referenced documents have been reviewed for compliance with:

2023 Florida Building Code, 8th Edition with Latest Supplements
2020 National Electrical Code (NFPA-70-20)

This approval covers the factory-built structure only. Any alterations to the factory-built structure on site would avoid approval. This plan is subject to the following:

- This plan is Not Approved for High-Velocity Hurricane Zone (i.e., Broward and Miami/Dade Counties)
- Signed and sealed plans are on file with Intertek-ATI
- Chapter 633 Plan Review and Inspection shall be conducted by the local fire and safety inspector.
- Items installed on-site are subject to review and approval by the local authority having jurisdiction.
- This review includes products for compliance with 553.8425 or FAC Chapter 61G20-3

If you have any questions or require our assistance, please do not hesitate to contact us.

Respectfully submitted,

Ryan Knowles

Ryan Knowles
Senior Manager
Building Science Solutions

^[1] Intertek is a brand name representing the Intertek Group plc legal entities, including but not limited to, Intertek Testing Services NA Inc., Professional Service Industries, Inc. ("INTERTEK-PSI"), Architectural Testing Inc. ("INTERTEK-ATI"), and MT Group Inc. ("INTERTEK-MT").
www.intertek.com/building





CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 IBC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

REV	DESCRIPTION	DATE	BY
1			
2			
3			

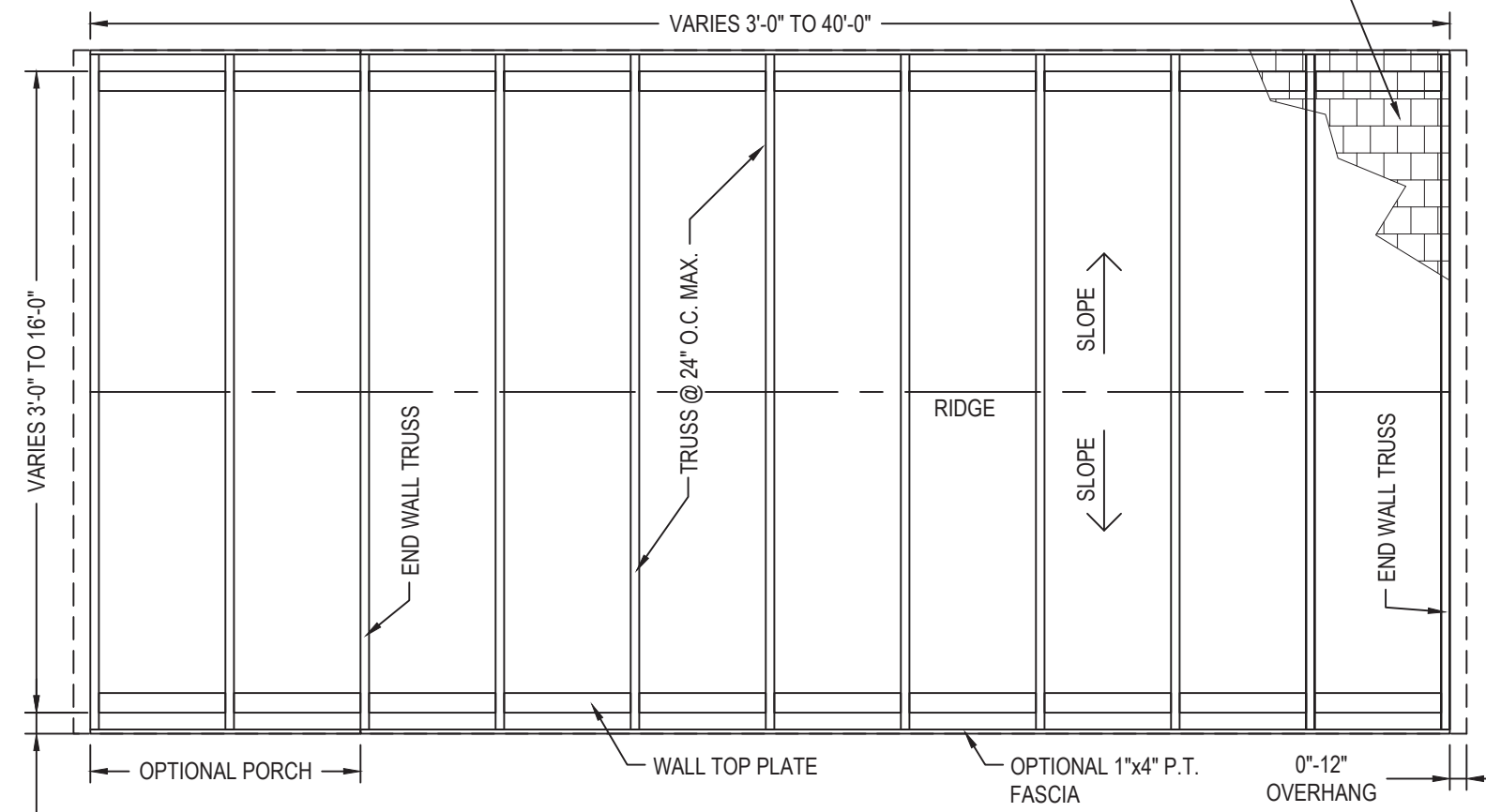
DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	3/8"= 1'-0"
MODEL#:	SCS-B-160D

- GENERAL NOTES:
- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
 - THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
 - REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
 - ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
 - STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
 - GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
 - ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
 - IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
 - IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
 - IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

TITLE: ROOF LAYOUT/ BARN STYLE- MASTER PLAN
SHEET: FBPR-1 OF 8

ROOF SHEATHING OPTIONS:
 - 7/16" OSB OR 3/8"-1/2" PLYWOOD WITH 20 YEAR CLASS 'A' 225LB FIBERGLASS SHINGLES
 - 29 GAUGE CORRUGATED METAL (RUN ANY DIRECTION) SECURED WITH MIN. #9 x 1-1/2" SCREWS w/ WASHER @ 9" O.C. ON 24" ROWS

FLOOD VENTS TO BE PROVIDED AND INSTALLED ON-SITE BY OTHERS PER LOCAL AUTHORITY HAVING JURISDICTION PER ASCE 24-14.



ROOF FRAMING PLAN

*ROOF SLOPE VARIES FROM ≤ 3:12 TO 6:12 MAXIMUM.

NOTE: DRIP EDGE NOT REQUIRED

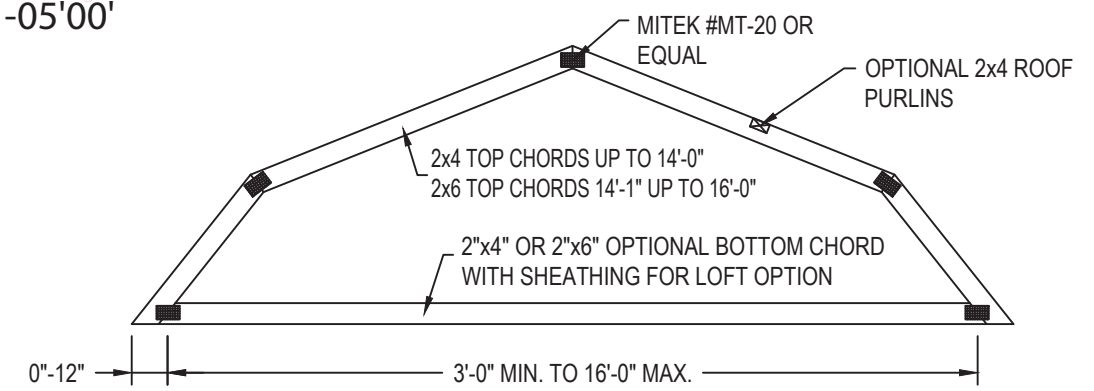


Intertek-ATI (Architectural Testing)
 This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements
 Const. Type: VB
 Occupancy: S
 Allowed Floors: 1
 Fire Rating Ext. Walls: 0 hrs.
 Wind Velocity: 160 mph
 Plan #: R-21252
 Floor Load: 50 psf
 Approval Date: 2024-01-09
 Ryan Knowles
 Ryan Knowles

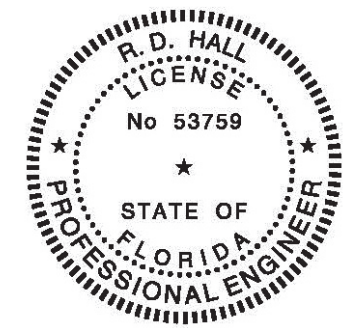
DESIGN PRESSURES	
ROOF	+24.6/-84.9
WALLS/DOORS/WINDOWS	+29.3/-36.3

Raymond D Hall

Digitally signed by Raymond D Hall
 Date: 2024.01.08 11:50:34 -05'00'



BARN STYLE ROOF



Bay Engineering, LLC
 4177 Coporate CT
 Palm Harbor, FL 34683
 FL Lic. # 53759
 FL COA# 36094



CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 IBC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

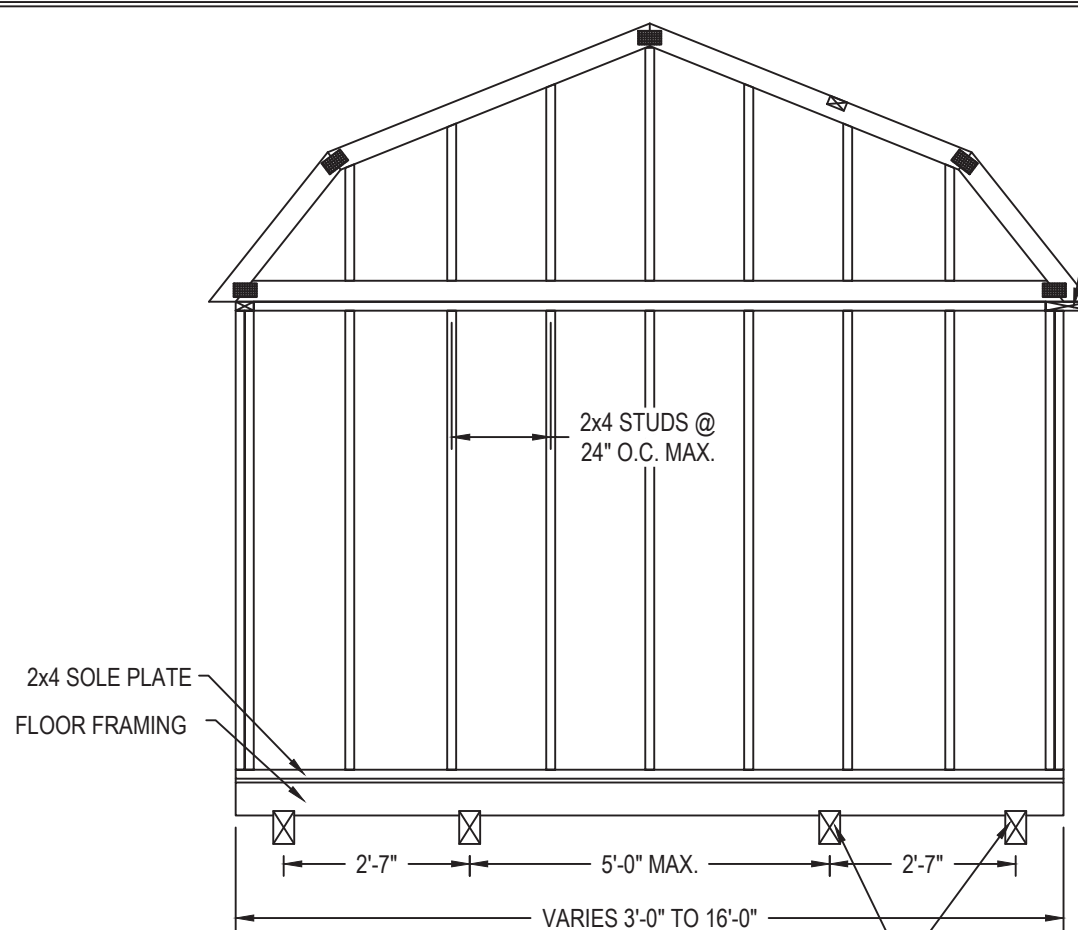
REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	3/8" = 1'-0"
MODEL#:	SCS-B-160D

GENERAL NOTES:


- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
- THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
- REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
- ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
- STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
- GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
- ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
- IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
- IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
- IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

TITLE: END WALLS/ BARN STYLE- MASTER PLAN
SHEET: FBPR-2 OF 8



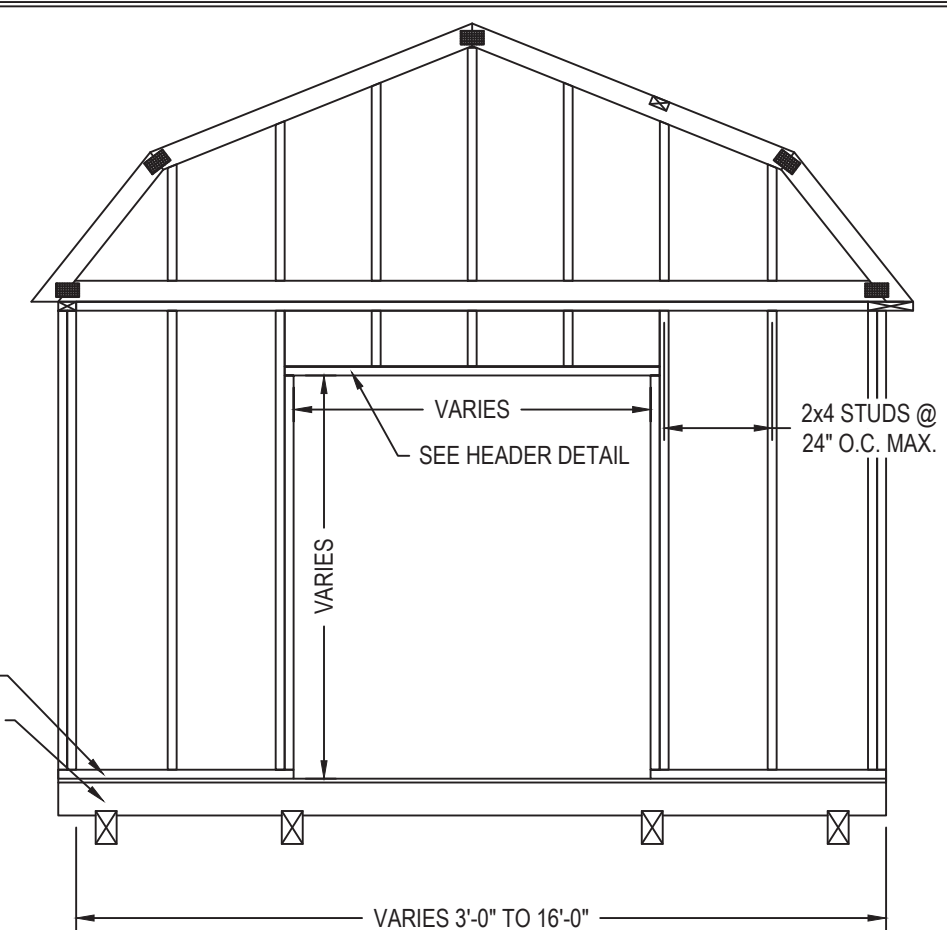
(WITHOUT DOOR)
END ELEVATION

OPTIONAL TOP PLATES
- 2x4, 2x6, 2x8 OR 2x12.

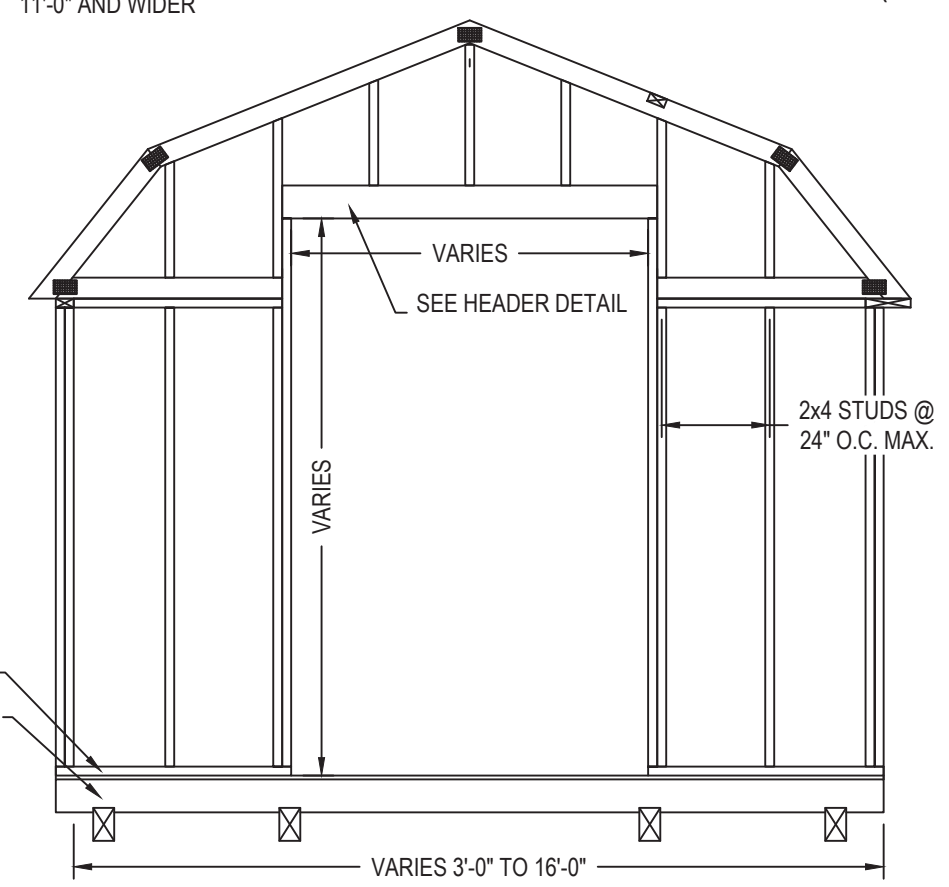

Intertek-ATI (Architectural Testing)
This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements
Const. Type: VB
Occupancy: S
Allowed Floors: 1
Fire Rating Ext. Walls: 0 hrs.
Wind Velocity: 160 mph
Plan #: R-21252
Floor Load: 50 psf
Approval Date: 2024-01-09
Ryan Knowles
Ryan Knowles

- INTERIOR FINISH OPTIONS:
- DRYWALL
 - PANELING
 - T&G BOARD
 - SHIP-LAP WOOD
 - 3/8" SMART PANEL SIDING
- INTERIOR FINISH INSULATION OPTIONS:
- BATT INSULATION
 - SPRAY FOAM INSULATION

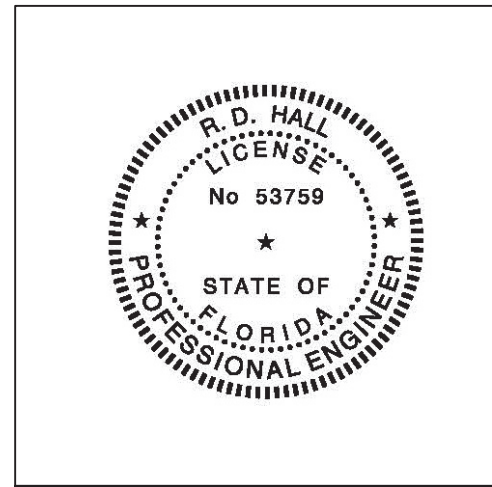
(2) 2x6 OR (1) 4x6 P.T. SYP
#2 SKIDS. EXTRA SKIDS ON
11'-0" AND WIDER



(WITH DOOR HEADER BELOW TRUSS CHORD)
END ELEVATION



(WITH DOOR HEADER ABOVE TRUSS CHORD)
END ELEVATION



Bay Engineering, LLC
4177 Coporate CT
Palm Harbor, FL 34683
FL Lic. # 53759
FL COA# 36094



CODE INFORMATION	
CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 NEC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

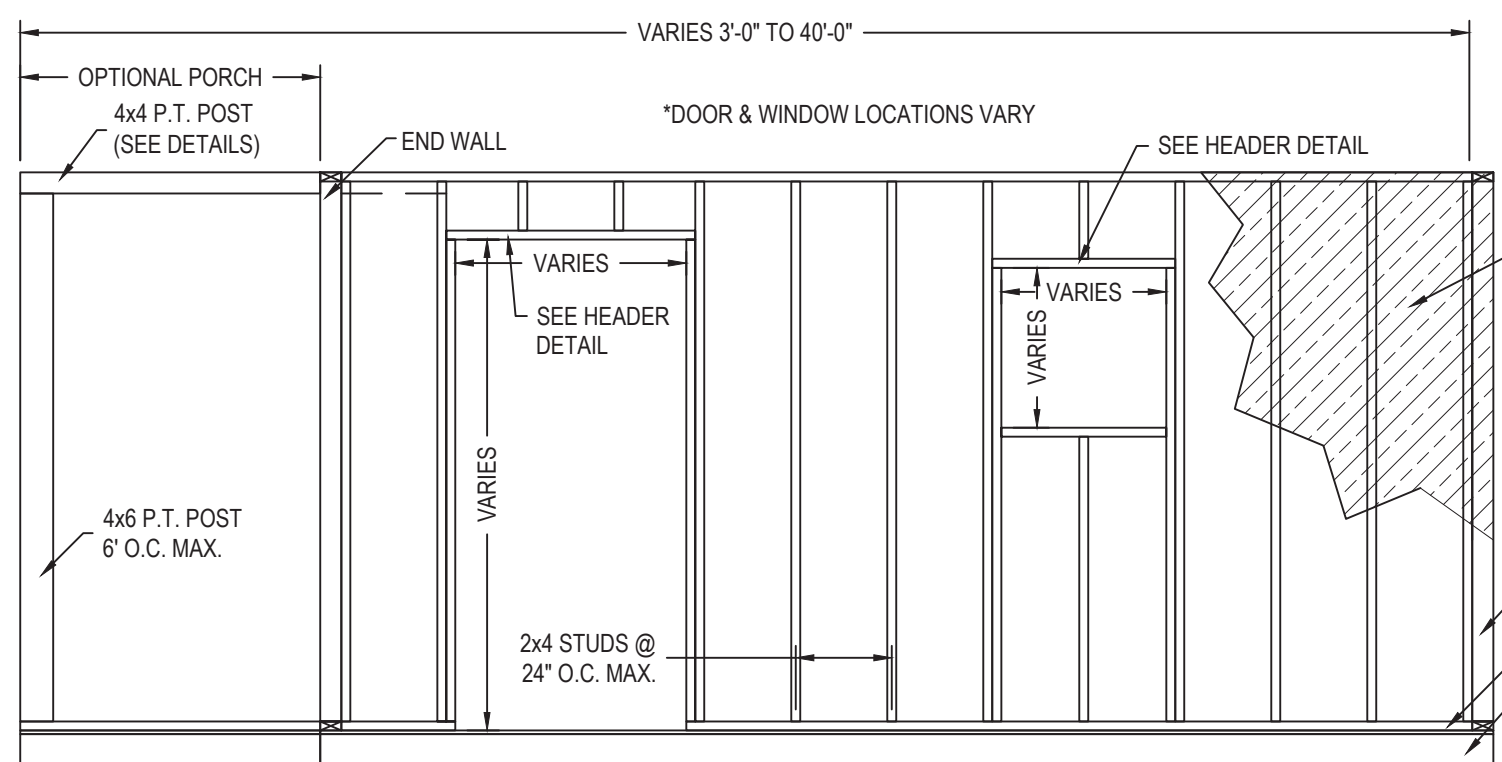
REVISIONS			
REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	3/8" = 1'-0"
MODEL#:	SCS-B-160D

GENERAL NOTES:

- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
- THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
- REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
- ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
- STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
- GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
- ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
- IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
- IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
- IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

SHEET: **FBPR-3 OF 8**



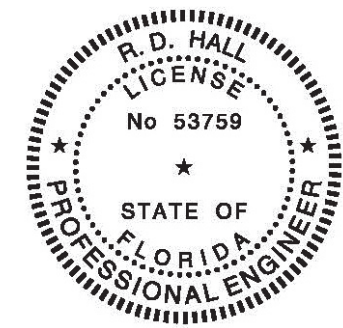
- WALL SHEATHING OPTIONS:**
- 7/16" OSB OR THERMO SHEATHING EQUIV. WITH:
 - LP SMARTSIDE
 - JAMES HARDEE PANEL OR EQUIV.
 - JAMES HARDEE HORIZ. SIDING LAP OR EQUIV.
 - VINYL SIDING
 - 3/8"-1/2" PLYWOOD
 - 3/8" LP SMARTSIDE OR EQUIVALENT
 - JAMES HARDEE PANEL OR EQUIV.
 - DURATEMP SIDING
 - 29 GAUGE CORRUGATED METAL SIDING(RUN ANY DIRECTION)
 - NICHIPANEL OR NICHIBOARD
 - THERMO-PLY BLUE (0.135 THICK)WITH VINYL SIDING
 - D4 ALUMINUM SIDING

NOTE: WALL FRAMING MEMBERS ARE CONTINUOUS FROM FOUNDATION SILL TO ROOF AND SECURED TO ENSURE A CONTINUOUS LOAD PATH. WHERE WALL MEMBERS ARE NOT CONTINUOUS, SHEET METAL CLAMPS, TIES, OR CLIPS SHALL BE FORMED OF GALVANIZED STEEL OF NOT LESS THAN 0.040" NOMINAL THICKNESS.

- ELECTRICAL NOTES:**
- ALL WIRE TO BE #12 THHN SOLID COPPER WITH GROUND.; WIRING PROTECTED BY NEC 2020 EDITION.
 - FIXTURE LOCATION AND TYPE MAY VARY
 - PLASTIC OR METAL "NEW WORK" OUTLET BOXES
 - 15A GFCI OUTLETS
 - ALL RECEPTACLES TO BE AT 12"-16" A.F.G. & 40"-48" ABOVE WORKBENCHES; NO MAXIMUM RECEPTACLES.
 - ALL SWITCHES TO BE AT 48"-52" A.F.G.

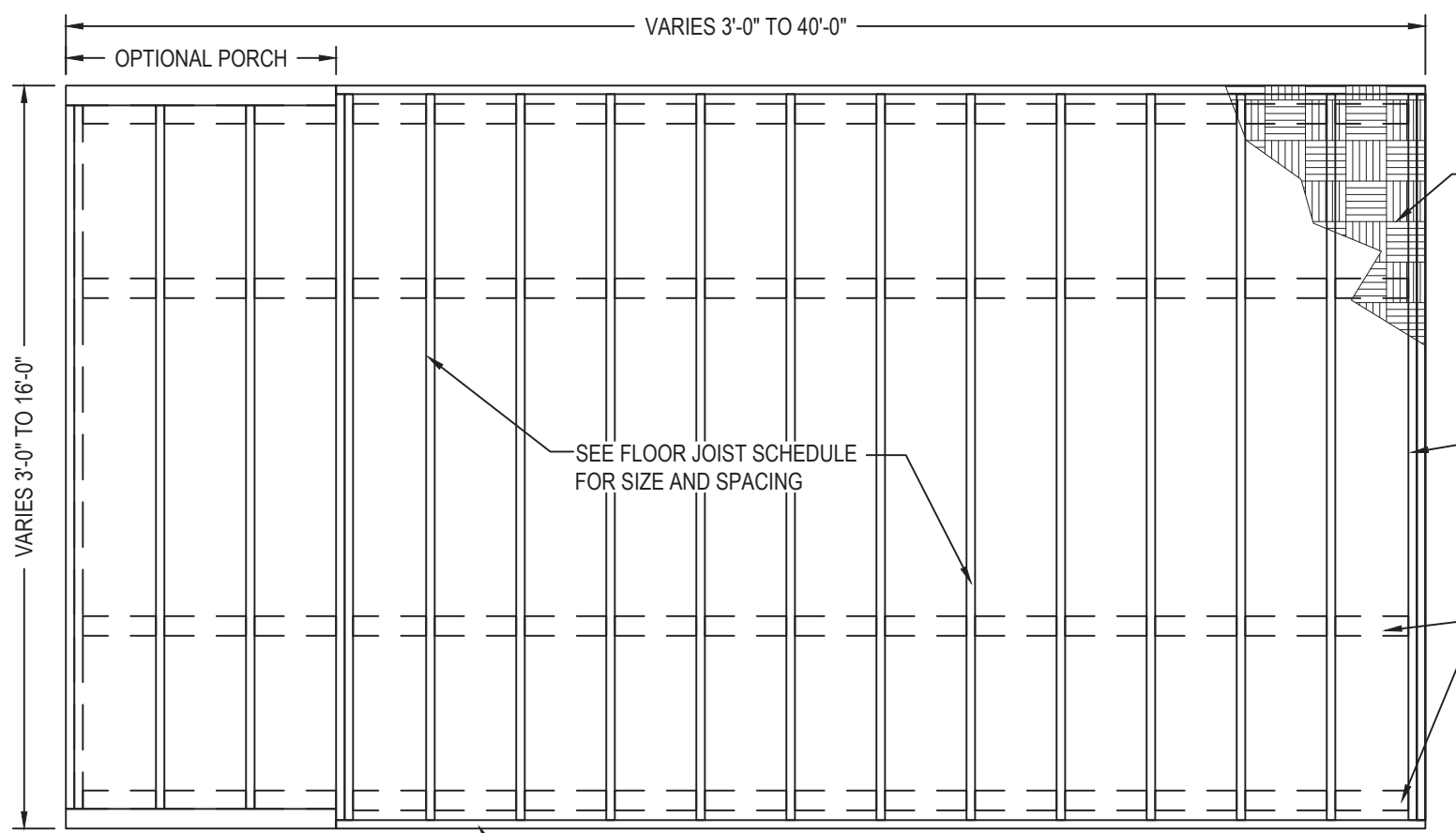


Intertek-ATI (Architectural Testing)
 This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements
 Const. Type: VB
 Occupancy: S
 Allowed Floors: 1
 Fire Rating Ext. Walls: 0 hrs.
 Wind Velocity: 160 mph
 Plan #: R-21252
 Floor Load: 50 psf
 Approval Date: 2024-01-09
Ryan Knowles
 Ryan Knowles



Bay Engineering, LLC
 4177 Coporate CT
 Palm Harbor, FL 34683
 FL Lic. # 53759
 FL COA# 36094

(SHOWN WITH DOOR & WINDOW OPTIONS)
STANDARD WALL DETAIL



- FLOOR SHEATHING OPTIONS:**
- 5/8" TO 3/4"
 - P.T. PLYWOOD
 - CDX PLYWOOD
 - OSB
 - PROSTRUCT
 - PERFORMMAX 500

- 2x4 P.T. S.Y.P. #2 PULLING BLOCK
- (1) 4x4 SYP #2 ON 8' WIDE OR LESS;
- (2) 2x6 OR (1) 4x6 P.T. S.Y.P. #2 SKIDS ALL ELSE. EXTRA SKIDS ON 11'-0" AND WIDER AND UNDER WALLS FOR 'NO FLOOR/EARTH MOUNT' OPTION

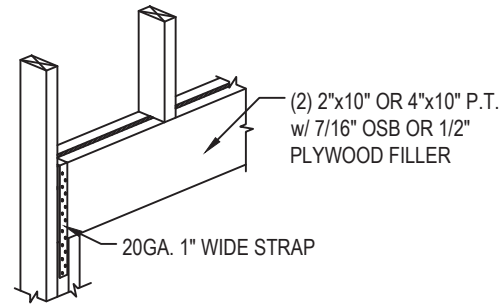
- *4 OPTIONS ARE AVAILABLE:**
- FLOOR WITH SKIDS
 - FLOOR WITH NO SKIDS
 - NO FLOOR
 - NO FLOOR WITH EXTRA 4x6 TO SET WALL ON GROUND

FLOOR JOIST SCHEDULE				
UNIT WIDTH	TO 6'-0"	TO 10'-0"	TO 14'-0"	TO 16'-0"
FLOOR JOISTS	2x4	2x4	2x6	2x6
MAX. O.C. SPACING	24"	16"	16"	12"

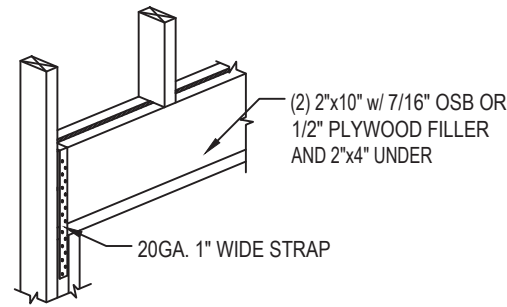
OPTIONAL * FLOOR FRAMING PLAN

HEADER DETAILS AND EQUIVALENT SIZES

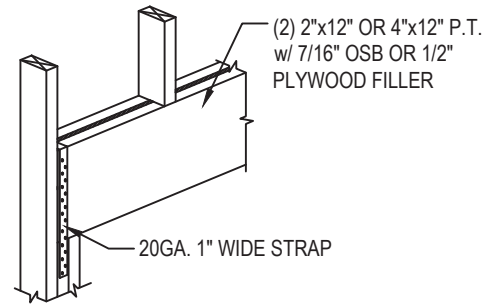
*NOTES SEE FASTENER SCHEDULE FOR HARDWARE REQUIREMENTS.
SEE HEADER SCHEDULE FOR ADDITIONAL INFORMATION.



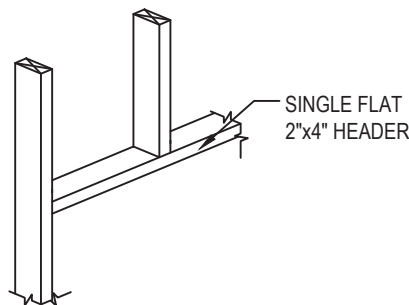
(2) 2"x10" OR 4"x10"



(2) 2"x10" w/ 2"x4"

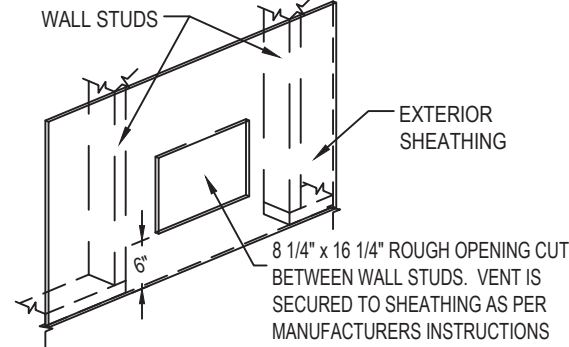


(2) 2"x12" OR 4"x12"



WINDOWS* 3'
WIDE OR LESS

FLOOD VENTS TO BE PROVIDED AND INSTALLED ON-SITE BY OTHERS PER LOCAL AUTHORITY HAVING JURISDICTION PER ASCE 24-14.



HYDROVENT DETAIL
(OPTIONAL)

END WALL HEADER SCHEDULE 160D (e,f)

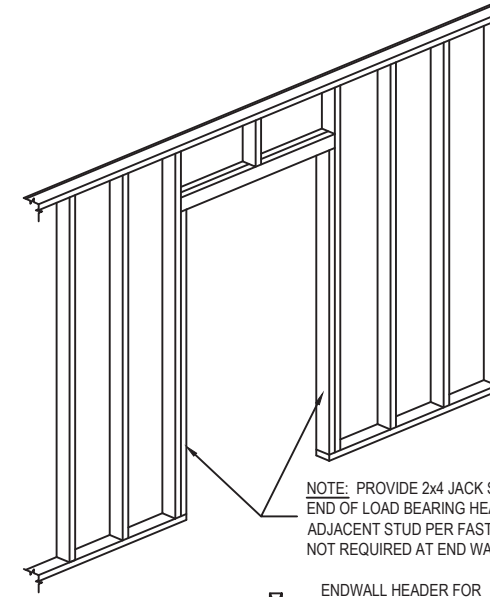
SIZE (d)	MAX. SPAN	NJ (b)	FASTENERS w/o STRAP; EACH END (c)
(1) 2x4 SPF#2	3'-0"	1	(3) 3" x 0.131" NAILS
(2) 2x4 SPF#2	6'-3"	1	(6) 3" x 0.131" NAILS
(2) 2x6 SPF#2	10'-0"	1	(6) 3" x 0.131" NAILS

- a. TABULATED VALUES ARE FOR No. 2 GRADE SPRUCE-PINE-FIR LUMBER
- b. NJ- NUMBER OF JACK STUDS REQUIRED TO SUPPORT EACH END.
- c. INCLUDES 7/16" OSB OR 1/2" PLYWOOD FILLER (FILLERS CAN BE BETWEEN BOARDS OR ON INSIDE OF STRUCTURE)
- d. SEE HEADER DETAILS FOR ALTERNATE LAYOUTS, i.e. (2) 2x4 OR 4" x 4" P.T.
- e. THIS TABLE IS ONLY FOR HEADERS BELOW THE END WALL TRUSS. USE SIDEWALL HEADER SCHEDULE FOR HEADERS THAT BREAK BOTTOM CHORD OF END WALL TRUSS

SIDE WALL HEADER SCHEDULE 160D (e)

SIZE (d)	BUILDING WIDTH UP TO 16' WIDE		FASTENERS w/o STRAP; EACH END (c)
	MAX. SPAN	NJ (b)	
(1) 2x4 SPF#2 (f)	3'-0"	0	(3) 3" x 0.131" NAILS
(2) 2x4 SPF#2	6'-3"	1	(6) 3" x 0.131" NAILS
(2) 2x6 SPF#2	9'-0"	1	(6) 3" x 0.131" NAILS
(2) 2x8 SPF#2	9'-6"	2	(8) 3" x 0.131" NAILS
(2) 2x10 SPF#2	10'-6"	2	---
(2) 2x12 SPF#2	11'-6"	2	---

- a. TABULATED VALUES ARE FOR No. 2 GRADE SPRUCE-PINE-FIR LUMBER
- b. NJ- NUMBER OF JACK STUDS REQUIRED TO SUPPORT EACH END.
- c. INCLUDES 7/16" OSB OR 1/2" PLYWOOD FILLER (FILLERS CAN BE BETWEEN BOARDS OR ON INSIDE OF STRUCTURE).
- d. SEE HEADER DETAILS FOR ALTERNATE LAYOUTS, i.e. (2) 2x4 OR 4" x 4" P.T.
- e. WINDOW HEADER FOR WINDOW OPENINGS THAT HAVE MORE THAN 50% COMBINED STUD WALL ABOVE AND BELOW, OTHERWISE USE DOOR HEADER SCHEDULE.
- f. THE HEADER CAN BE ATTACHED TO THE TOP PLATE AND THUSLY HAVE THE COMBINED STRENGTH EQUIVALENT AND USE THE MAXIMUM SPAN STATE. SEE HEADER DETAILS FOR EQUIVALENT SIZES.



NOTE: PROVIDE 2x4 JACK STUD(S) UNDER EACH END OF LOAD BEARING HEADERS. NAIL TO ADJACENT STUD PER FASTENING SCHEDULE. NOT REQUIRED AT END WALL OPENINGS.

2x4 (TYP) (FASTEN PER FASTENING SCHEDULE) ENDWALL HEADER FOR OPENINGS UP TO 6'-3" (75") SIDEWALL HEADER FOR OPENINGS UP TO 4'-0"

(2) 2x4 w/ 7/16" OSB FLITCH PLATE (FASTEN PER FASTENING SCHEDULE) ENDWALL HEADER FOR OPENINGS UP TO 6'-3" (75") SIDEWALL HEADER FOR OPENINGS UP TO 6'-3" (75")

(2) 2x6 w/ 7/16" OSB FLITCH PLATE (FASTEN PER FASTENING SCHEDULE) ENDWALL HEADER FOR OPENINGS UP TO 9'-0" SIDEWALL HEADER FOR OPENINGS UP TO 9'-0"

DBL 2x4 TOP PLATE (FASTEN PER FASTENING SCHEDULE) (2) 2x4 w/ 7/16" OSB FLITCH PLATE (FASTEN PER FASTENING SCHEDULE) OPTIONAL ENDWALL HEADER FOR OPENINGS UP TO 9'-0" OPTIONAL SIDEWALL HEADER FOR OPENINGS UP TO 9'-0"

(1) 2x4 & (1) 2x8 w/ 7/16" OSB FLITCH PLATE (FASTEN PER FASTENING SCHEDULE) OPTIONAL ENDWALL HEADER FOR OPENINGS UP TO 9'-0" OPTIONAL SIDEWALL HEADER FOR OPENINGS UP TO 9'-0"

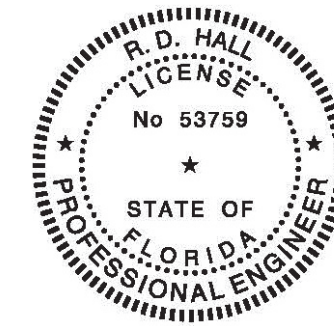
(MAX. SPAN 9'-0")

'NO-STRAP' HEADER DETAIL



Intertek-ATI (Architectural Testing)
This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements
Const. Type: VB
Occupancy: S
Allowed Floors: 1
Fire Rating Ext. Walls: 0 hrs.
Wind Velocity: 160 mph
Plan #: R-21252
Floor Load: 50 psf
Approval Date: 2024-01-09

Ryan Knowles
Ryan Knowles



Bay Engineering, LLC
4177 Coporate CT
Palm Harbor, FL 34683
FL Lic. # 53759
FL COA# 36094



CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 IBC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY: RDH
DATE: 12/5/2023
SCALE: 3/8" = 1'-0"
MODEL#: SCS-B-160D

GENERAL NOTES:

- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
- THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
- REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
- ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
- STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
- GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
- ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
- IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
- IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
- IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

TITLE:

HEADER DETAILS

SHEET: FBPR-4 OF 8



CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 NEC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

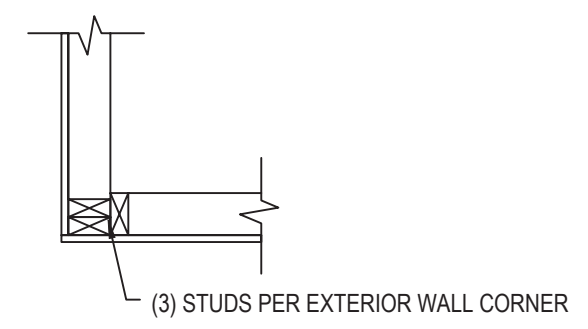
REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	3/4"= 1'-0"
MODEL#:	SCS-B-160D

- GENERAL NOTES:
- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
 - THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
 - REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
 - ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
 - STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
 - GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
 - ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
 - IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
 - IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
 - IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO #563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

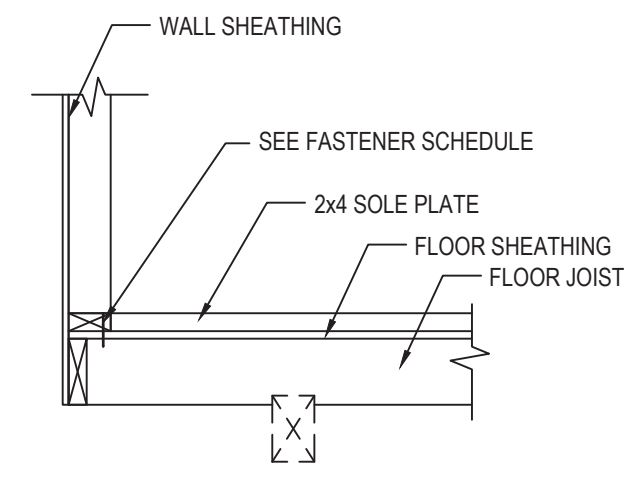
TITLE: DOOR/ CONNECTION DETAILS

SHEET: FBPR-5 OF 8

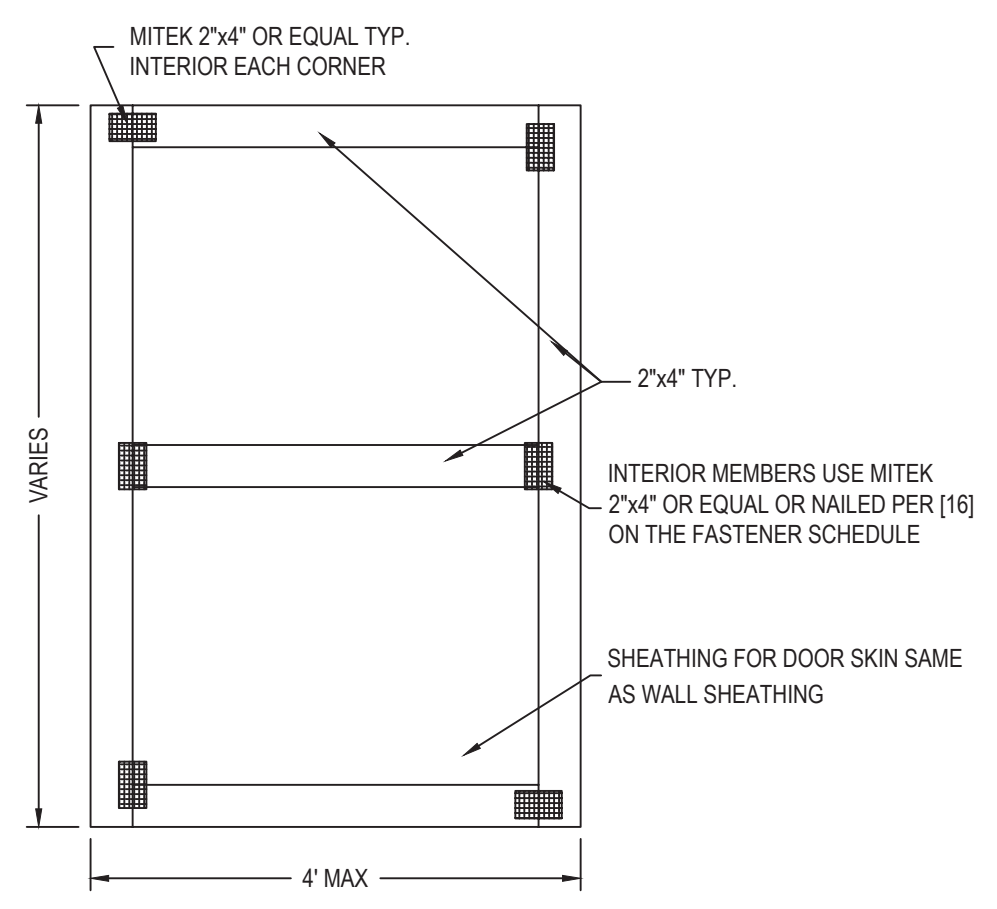


CORNER CONNECTION DETAIL

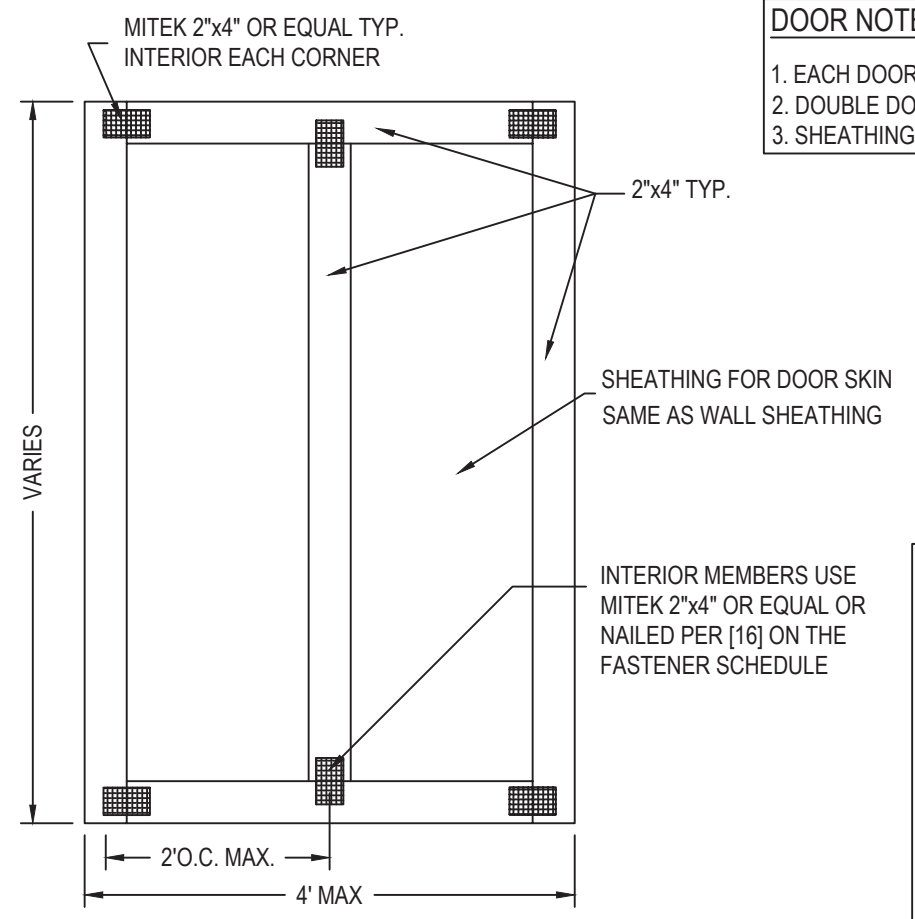
S
 Intertek-ATI (Architectural Testing)
 This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements
 Const. Type: VB
 Occupancy: S
 Allowed Floors: 1
 Fire Rating Ext. Walls: 0 hrs.
 Wind Velocity: 160 mph
 Plan #: R-21252
 Floor Load: 50 psf
 Approval Date: 2024-01-09
 Ryan Knowles
 Ryan Knowles



WALL TO FLOOR CONNECTION DETAIL

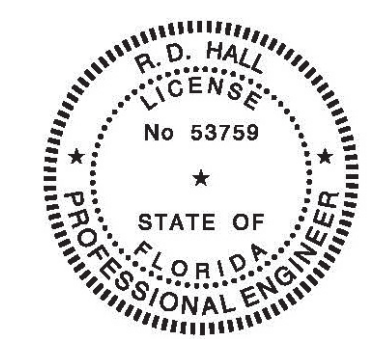


OPTIONAL WOOD FRAME DOOR CONSTRUCTION DETAIL



OPTIONAL WOOD FRAME DOOR CONSTRUCTION DETAIL

- DOOR NOTES:
- EACH DOOR HAS 3 HINGES WITH 8 SCREWS EACH
 - DOUBLE DOOR DESIGN IS SAME LAYOUT
 - SHEATHING IS FASTENED SAME AS TO STUD WALL



Bay Engineering, LLC
 4177 Coporate CT
 Palm Harbor, FL 34683
 FL Lic. # 53759
 FL COA# 36094



CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION, ASCE 22, 2020 NEC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

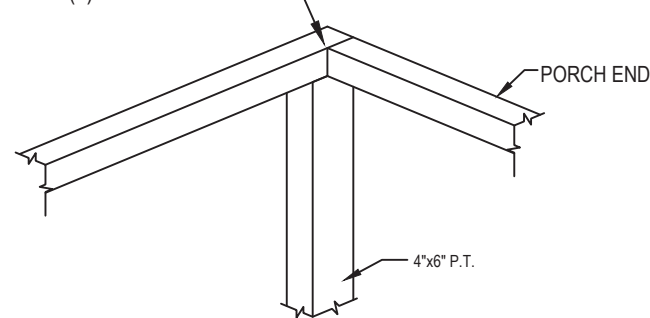
REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	1/2" = 1'-0"
MODEL#:	SCS-B-160D

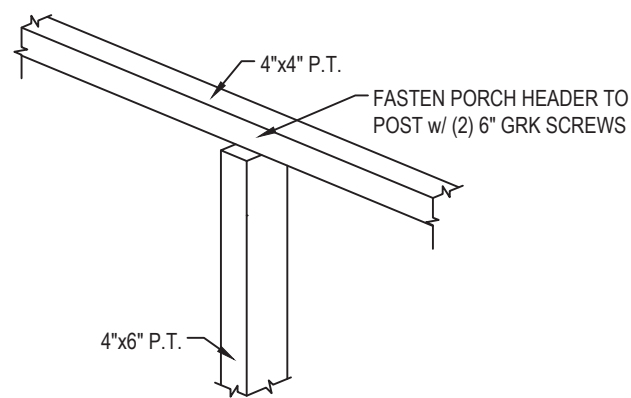
- GENERAL NOTES:
- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
 - THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
 - REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
 - ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
 - STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
 - GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
 - ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
 - IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
 - IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
 - IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

TITLE: **OPTIONAL PORCH DETAILS**
SHEET: **FBPR-6 OF 8**

ATTACH PORCH HEADERS TO POST w/ (4) 6" GRK SCREWS



PORCH CORNER



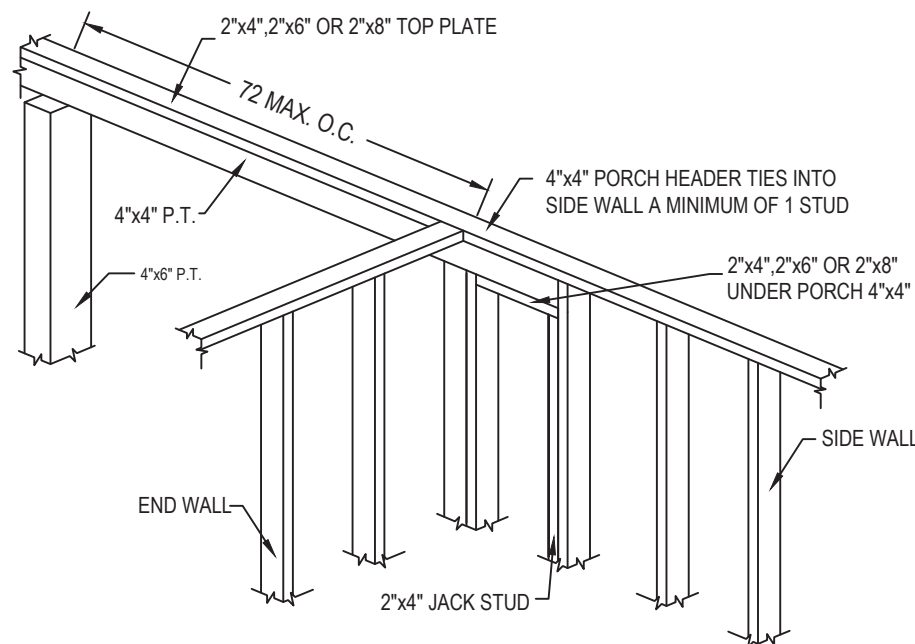
PORCH INTERIOR COLUMN



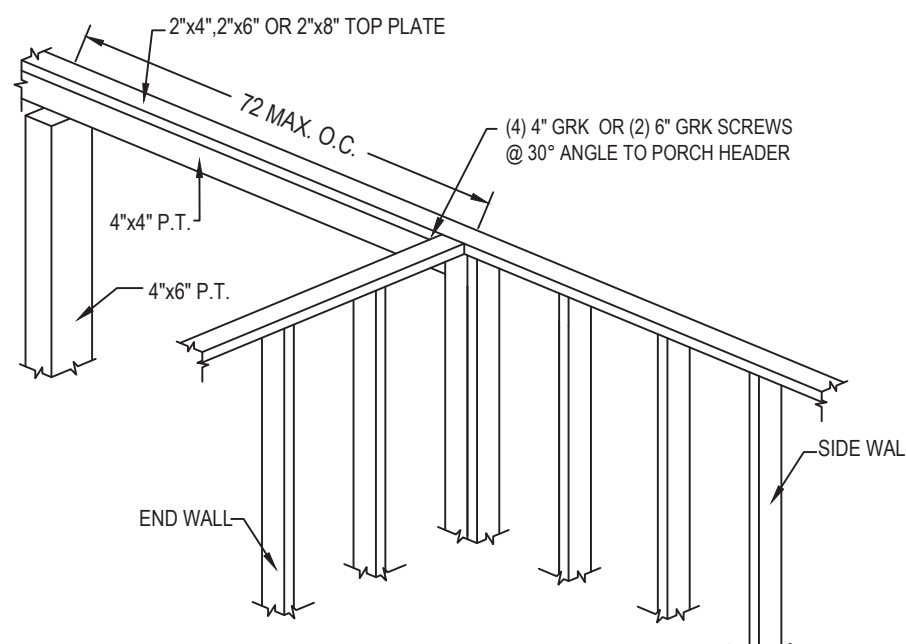
Intertek-ATI (Architectural Testing)
This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements

Const. Type: VB
Occupancy: S
Allowed Floors: 1
Fire Rating Ext. Walls: 0 hrs.
Wind Velocity: 160 mph
Plan #: R-21252
Floor Load: 50 psf
Approval Date: 2024-01-09

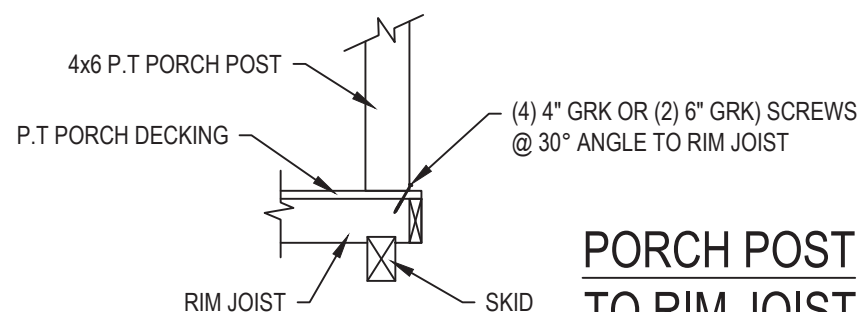
Ryan Knowles
Ryan Knowles



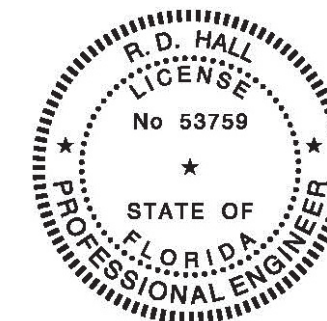
**PORCH TO SHED CONNECTION
OPTION 1**



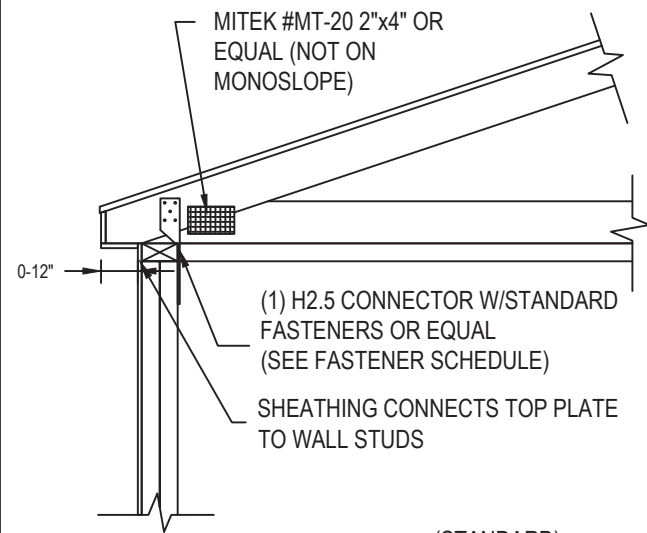
**PORCH TO SHED CONNECTION
OPTION 2**



**PORCH POST
TO RIM JOIST**

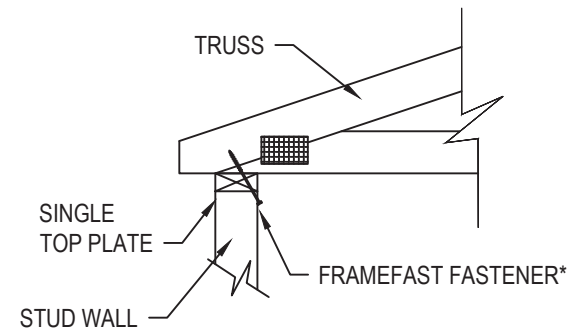


Bay Engineering, LLC
4177 Coporate CT
Palm Harbor, FL 34683
FL Lic. # 53759
FL COA# 36094

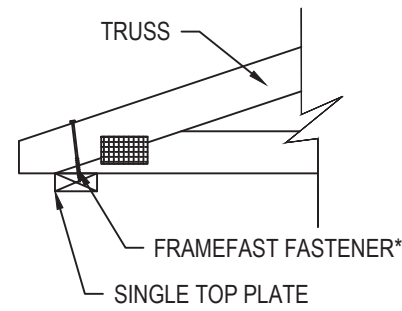


(STANDARD)

TRUSS CONNECTION DETAIL



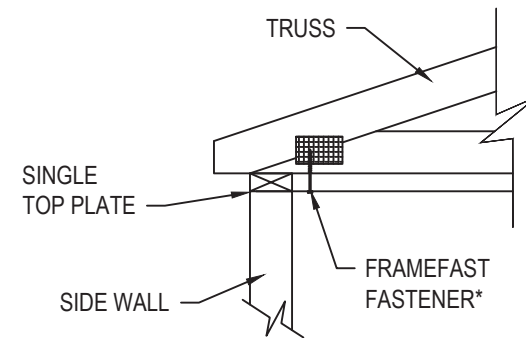
SIDE VIEW "A"



SIDE VIEW "B"

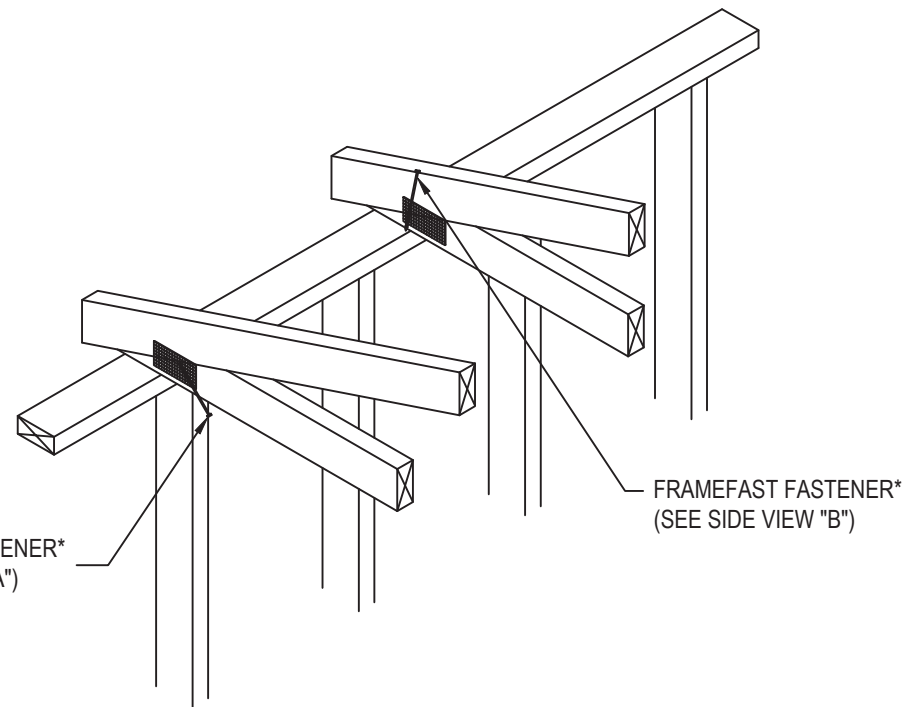
(OPTIONAL SIMPSON SCREW FL APPROVAL 13975.2
IN PLACE OF FRAMEFAST FASTENER)

**TRUSS TO SIDE WALL
DOUBLE TOP PLATE**



(OPTIONAL SIMPSON SCREW FL APPROVAL 13975.2
IN PLACE OF FRAMEFAST FASTENER)

**END WALL TRUSS TO END
WALL SINGLE TOP PLATE**



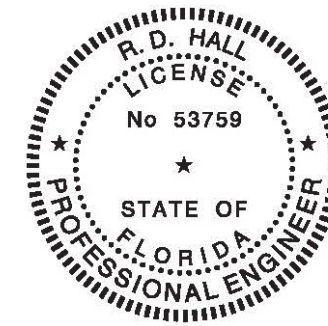
(OPTIONAL SIMPSON SCREW FL APPROVAL 13975.2
IN PLACE OF FRAMEFAST FASTENER)

**TRUSS CONNECTION DETAIL w/ OPTIONAL
FASTENMASTER FRAMEFAST STRUCTURAL
WOOD SCREWS (FL21662)**



Intertek-ATI (Architectural Testing)
This document meets or exceeds the
Requirements of the State of Florida
Manufactured Building Rules & Regulations
2023 FBC with the Latest Supplements
Const. Type: VB
Occupancy: S
Allowed Floors: 1
Fire Rating Ext. Walls: 0 hrs.
Wind Velocity: 160 mph
Plan #: R-21252
Floor Load: 50 psf
Approval Date: 2024-01-09

Ryan Knowles
Ryan Knowles



Bay Engineering, LLC
4177 Coporate CT
Palm Harbor, FL 34683
FL Lic. # 53759
FL COA# 36094



CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 MEC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	3/4"= 1'-0"
MODEL#:	SCS-B-160D

GENERAL NOTES:

- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
- THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
- REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
- ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
- STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
- GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
- ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
- IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
- IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
- IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO 563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

TITLE: **TRUSS CONNECTION DETAILS**

SHEET: **FBPR-7 OF 8**



CODE INFORMATION

CODE VERSION	2023 FLORIDA BUILDING CODE 8TH EDITION ASCE-22, 2020 NEC
MANUFACTURER	SOUTH COUNTRY SHEDS
BUILDING TYPE	MANUFACTURED BUILDING RESIDENTIAL LAWN STORAGE
CONSTRUCTION TYPE	V-B
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	STORAGE
ALLOWABLE NUMBER OF STORIES	1
BASIC WIND SPEED	Vult-160 MPH
EXPOSURE	D
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.15
ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF OR 300LB POINT LOAD
FLOOR DEAD LOAD	10 PSF
FLOOR LIVE LOAD	50 PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	719 SQ. FT. OR LESS

REVISIONS

REV	DESCRIPTION	DATE	BY
1			
2			
3			

DRAWN BY:	RDH
DATE:	12/5/2023
SCALE:	N/A
MODEL#:	SCS-B-160D

GENERAL NOTES:

- FOUNDATION PLANS ARE NOT PART OF THIS PLAN SET AND ARE GOVERNED BY LOCAL JURISDICTION.
- THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION 1015.22.
- REFER TO TIE-DOWN DETAILS FOR PROPER INSTALLATION REQUIREMENTS TO MEET CODE.
- ALL STUDS, RAFTERS, TRUSSES, ETC. ARE 2x4 SPF#2, EXCEPT AS NOTED.
- STRUCTURES OVER 400 SQ. FT. WILL HAVE AN 80" MINIMUM DOOR.
- GUTTERS TO BE INSTALLED ON-SITE BY OTHERS THRU LOCAL CODES.
- ALL WINDOWS AND DOORS TO MEET THE MINIMUM SPECIFICATIONS AS PER FLORIDA BUILDING CODE.
- IN ACCORDANCE WITH FBC 1609.1.2, STORAGE SHEDS ARE NOT DESIGNED FOR HUMAN HABITATION WITH A FLOOR AREA OF LESS THAN 720 SQUARE FEET ARE NOT REQUIRED TO COMPLY WITH THE MANDATORY WINDBORNE DEBRIS IMPACT STANDARDS OF THE 2023 FBC.
- IN ACCORDANCE WITH FBD 1008.1.1; BUILDINGS THAT ARE 400 SQUARE FEET OR LESS THAT ARE INTENDED FOR USE IN CONJUNCTION WITH ONE AND TWO FAMILY RESIDENCES ARE NOT SUBJECT TO THE DOOR HEIGHT AND WIDTH REQUIREMENTS OF THE FBC 2023.
- IN ACCORDANCE WITH FLORIDA STATE STATUTE 563.80(1)d, LAWN STORAGE BUILDINGS AND STORAGE SHEDS BEARING THE INSIGNIA OF APPROVAL OF THE DEPARTMENT ARE NOT SUBJECT TO §563.842 (FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR WINDOWS, DOORS, OR OTHER COMPONENTS)

TITLE:

FASTENER SCHEDULE

SHEET: FBPR-8 OF 8

Fastening Schedule{r}

(FBC Table 2304.10.1)

Connection	Fastening(a,m)	Location
1. Joist to sill or girder	3 – 8d common (2 1/2" x 0.131") 3 – 3" 14 gage staples	toenail
2. Bridging to joist	2 – 8d common (2 1/2" x 0.131") 2 – 3" x 0.232" nails 2 – 3" 14 gage staples	toenail each end
3. 1" x 6" subfloor or less to each joist	2 – 8d common (2 1/2" x 0.131")	face nail
4. Wider than 1" x 6" subfloor to each joist	3 – 8d common (2 1/2" x 0.131")	face nail
5. 2" subfloor to joist or girder	2 – 16d common (3 1/2" x 0.162")	blind and face nail
6. Sole plate to joist or blocking	16d (3 1/2" x 0.135") at 16" o.c. 3" x 0.131 nails at 8" o.c. 3" 14 gage staples at 12" o.c.	Typical face nail
Sole plate to joist at blocking at braced wall panel	3 – 16d common (3 1/2" x 0.135") at 16" o.c. 4 – 3" x 0.131" nails at 16" o.c. 4 – 3" 14 gage staples at 16" o.c.	braced wall panel
7. Top plate to stud	2 – 16d common (3 1/2" x 0.162") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	end nail
8. Stud to sole plate	4 – 8d common (2 1/2" x 0.131") 4 – 3" x 0.131" nails 3 – 3" 14 gage staples	toenail
	2 – 16d common (3 1/2" x 0.162") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	end nail
9. Double studs	16d (3 1/2" x 0.135") at 24" o.c. 3" x 0.131" nail at 8" o.c. 3" 14 gage staples at 8" o.c.	face nail
10. Double top plates	16d (3 1/2" x 0.135") at 16" o.c. 3" x 0.131" nail at 8" o.c. 3" 14 gage staples at 8" o.c.	Typical face nail
Double top plates	8 – 16d common (3 1/2" x 0.162") 12 – 3" x 0.131" nails 12 – 3" 14 gage staples	lap splice
11. Blocking between joists or rafters to top plate	3 – 8d common (2 1/2" x 0.131") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	toenail
12. Rim joist to top plate	8d (2 1/2" x 0.131") at 6" o.c. 3" x 0.131 nails at 6" o.c. 3" 14 gage staples at 6" o.c.	toenail
13. Top plates, laps and intersections	2 – 16d common (3 1/2" x 0.162") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	face nail
14. Continuous header, two pieces	16d common (3 1/2" x 0.162")	16" o.c. Along edge
15. Ceiling joists to plate	3 – 8d common (2 1/2" x 0.131") 5 – 3" x 0.131" nails 3 – 3" 14 gage staples	toenail
16. Continuous header to stud	4 – 8d common (2 1/2" x 0.131")	toenail
17. Ceiling joists, laps over partitions (See Table 2308.10.4.1)	3 – 16d common (3 1/2" x 0.135") minimum, Table 2308.10.4.1 4 – 3" x 0.131 nails 4 – 3" 14 gage staples	face nail
18. Ceiling joists to parallel rafters (See Table 2308.10.4.1)	3 – 16d common (3 1/2" x 0.135") minimum, Table 2308.10.4.1 4 – 3" x 0.131 nails 4 – 3" 14 gage staples	face nail
19. Rafter to plate	3 – 8d common (2 1/2" x 0.131") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	toenail
20. 1" Diagonal brace to each stud and plate	2 – 8d common (2 1/2" x 0.131") 2 – 3" x 0.131 nails 3 – 3" 14 gage staples	face nail
21. 1" x 8" sheathing to each bearing	3 – 8d common (2 1/2" x 0.131")	face nail
22. Wider than 1" x 8" sheathing to each bearing	3 – 8d common (2 1/2" x 0.131")	face nail
23. Built-up corner studs	16d common (3 1/2" x 0.162") 3" x 0.131 nails 3" 14 gage staples	24" o.c. 16" o.c. 16" o.c.
24. Built-up girder and beams	20d common (4" x 0.192") at 32" o.c. 3" x 0.131" nails at 24" o.c. 3" 14 gage staples at 24" o.c.	face nail at top and bottom staggered on opposite sides
	2-20 common (4" x 0.192") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	face nail at ends and at each splice
25. 2" planks	16d common (3 1/2" x 0.162")	at each bearing
26. Collar tie to rafter	3 – 10d common (3" x 0.148") 4 – 3" x 0.131 nails 4 – 3" 14 gage staples	face nail
27. Jack rafter to hip	3 – 10d common (3" x 0.148") 4 – 3" x 0.131 nails 4 – 3" 14 gage staples	toenail
	2 – 16d common (3 1/2" x 0.162") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	face nail
28. Roof rafter to 2-by ridge beam	2 – 16d common (3 1/2" x 0.162") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	toenail
	2 – 16d common (3 1/2" x 0.162") 3 – 3" x 0.131" nails 3 – 3" 14 gage staples	face nail

29. Joist to band joist	3 – 16d common (3 1/2" x 0.135") 4 – 3" x 0.131 nails 4 – 3" 14 gage staples	face nail
30. Ledger strip	3 – 16d common (3 1/2" x 0.162") 4 – 3" x 0.131 nails 4 – 3" 14 gage staples	Face nail at each joint
31. Wood structural panels and particleboard(b) Subfloor, roof and wall sheathing (to framing)	1/2" and less 6d(c,l,q) 2 3/8" x 0.113" nail(n) 1 3/4" 16 gage(o)	
Single floor (combination subfloor-underlayment to framing)	19/32" to 3/4" 8d(d) or 6d(e) 2 3/8" x 0.113" nail(p) 2" 16 gage(p)	6" o.c. Edges and intermediate, 4" o.c. at component and cladding edge strip # zone 3 [refer to Figure 30.5-1 of ASCE 7]
	7/8" to 1" 1 1/8" to 1 1/4" 3/4" and less 7/8" to 1" 1 1/8" to 1 1/4"	8d(c) 10d(d) or 8d(d) 6d(c) 8d(c) 10d(d) or 8d(d)
32. Panel siding (to framing)(q)	1/2" or less 5/8"	6d(f) 8d(f)
33. Fiberboard sheathing(g,q)	1/2" and less 25/32"	No. 11 gage roofing nail(h) 6d common nail (2" x 0.113") No. 16 gage staple(i) No. 11 gage roofing nail(h) 8d common nail (2 1/2" x 0.131") No. 16 gage staple(i)
34. Interior paneling	1/4" 3/8"	4d(j) 6d(k)

Alternate Fastening Schedule

Connection	Fastening
ALT 31-33. Wood structural panels and particleboard Subfloor, roof and wall sheathing (to framing)	2" x 0.092" Ring Shank Nail - 5" from edge, 10" o.c.

Strap & Simpson Strong-Drive® SD Screw Schedule

	Part#/Desc.	Uplift	Wall fastener	Rafter Fastener	Plate Fastener
Rafter	H1	435	-	6-SD9x1.5"	4-SD9x1.5"
	H11Z	750	-	6-SD10x2.5"	6-SD10x2.5"
	H2A	495	5-SD9x1.5"	5-SD9x1.5"	2-SD9x1.5"
	H2.5A	540	-	5-SD9x1.5"	5-SD9x1.5"
	H2.5	410	5-SD9x1.5"	5-SD9x1.5"	-
	H2.5T	545	5-SD9x1.5"	5-SD9x1.5"	-
	H2A	495	7-SD9x1.5"	5-SD9x1.5"	-
	H3	320	4-SD9x1.5"	4-SD9x1.5"	-
	H4	280	4-SD9x1.5"	4-SD9x1.5"	-
	H5	415	4-SD9x1.5"	4-SD9x1.5"	-
	LTS-12	895	6-SD9x1.5"	6-SD9x1.5"	-
	LTS-16	1075	6-SD9x1.5"	6-SD9x1.5"	-
	LTS-18	1235	6-SD9x1.5"	6-SD9x1.5"	-
	LTS-20	1215	6-SD9x1.5"	6-SD9x1.5"	-
	MTS-12	895	7-SD9x1.5"	7-SD9x1.5"	-
	MTS-16	1075	7-SD9x1.5"	7-SD9x1.5"	-
	MTS-18	1255	7-SD9x1.5"	7-SD9x1.5"	-
MTS-20	1255	7-SD9x1.5"	7-SD9x1.5"	-	

Strap & Fastener Schedule {a}

	Part#/Desc.	Uplift	Wall fastener	Rafter Fastener	Plate Fastener
Rafter(b)	H1	400	-	6-8dx1.5"	4-8d
	H11Z	750	-	6-16dx2.5"	6-16dx2.5"
	H2A	495	5-8dx1.5"	5-8dx1.5"	2-8dx1.5"
	H2.5A	535	-	5-8d	5-8d
	H2.5	410	5-8d	5-8d	-
	H2.5T	545	5-8d	5-8d	-
	H2A	495	7-8dx1.5"	5-8dx1.5"	-
	H3	320	4-8d	4-8d	-
	H4	235	4-8d	4-8d	-
	H5	265	4-8d	4-8d	-
	LTS-12	620	6-10dx1.5"	6-10dx1.5"	-
	LTS-16	620	6-10dx1.5"	6-10dx1.5"	-
	LTS-18	620	6-10dx1.5"	6-10dx1.5"	-
	LTS-20	620	6-10dx1.5"	6-10dx1.5"	-
	MTS-12	860	7-10dx1.5"	7-10dx1.5"	-
	MTS-16	860	7-10dx1.5"	7-10dx1.5"	-
	MTS-18	860	7-10dx1.5"	7-10dx1.5"	-
MTS-20	860	7-10dx1.5"	7-10dx1.5"	-	

	Part#/Desc.	Uplift	Wall fastener	Floor Fastener
Wall to Floor(a)	LSTA-18	1,235	7-SD9x1.5"	7-SD9x1.5"
	Part#/Desc.	Uplift	Wall fastener	Floor Fastener
Tie-Downs	20Ga. 1-1/4" Wide	4,725	7-SD9x1.5"	-
	5/8"x 30" Anchor	4,300	-	-

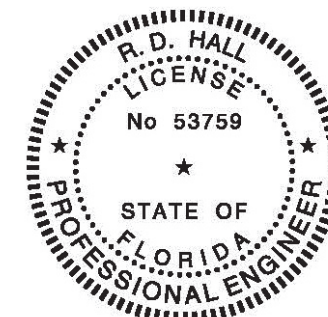
a. Only needed on aluminum sheathing walls.
b. Headers over 6' span.

	Part#/Desc.	Uplift	Wall fastener	Floor Fastener
Wall to Floor(c)	LSTA-18	1,110	7-10d	7-10d
	Part#/Desc.	Uplift	Stud fastener	Header Fastener
Header(d)	TP-35	N/R	5-3" x 0.131"	5-3" x 0.131"
	HP40,41,80,81	4,725	5-3" x 0.131"	5-3" x 0.131"
Part#/Desc.	Uplift	Wall fastener	Floor Fastener	
Tie-Downs	20Ga. 1-1/4" Wide	4,725	7-10dx1.5"	-
	5/8"x 30" Anchor	4,300	-	-

a. All straps can be substituted with an equivalent brand meeting same strengths.
b. Rafter ties to stud wall to be at every connection for 24" o.c. & can be every other for 16" o.c. but is required on corners and studs adjacent to corners.
c. Only needed on aluminum & vinyl sheathing walls.
d. Headers over 6' span.



Intertek-ATI (Architectural Testing)
This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations 2023 FBC with the Latest Supplements
Const. Type: VB
Occupancy: S
Allowed Floors: 1
Fire Rating Ext. Walls: 0 hrs.
Wind Velocity: 160 mph
Plan #: R-21252
Floor Load: 50 psf
Approval Date: 2024-01-09
Ryan Knowles
Ryan Knowles



Bay Engineering, LLC
4177 Coporate CT
Palm Harbor, FL 34683
FL Lic. # 53759
FL COA# 36094