Intertek-PSI
1748 33rd Street
Orlando, FL 32839

Tel +1 407 304 5560
Fax +1 407 304 5561
intertek.com/building

June 8, 2022

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

RE: Manufacturer: Superior Sheds
Approval – R-20716 SS20-DW-HVHZ

Dear Mr. Campbell,

Architectural Testing, Inc. ("Intertek-ATI"), part of Intertek[1] Building Science Solutions, pursuant to the requirements of the Florida Department of Business and Professional Regulations, the above referenced documents have been reviewed for compliance with:

2020 Florida Building Code, 7th Edition w/2021 Supp.
2017 National Electrical Code (NFPA-70)

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

- This plan is 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 my assistance in any way, please do not hesitate to contact me.

Respectfully submitted,

Andrea Gagliardo
Department Manager
Building Science Solutions

Ryan Knowles, SMP-64
Manager, Industrialized Buildings
Building Science Solutions

cc: Matt Loughry – qualitycontrol@superiorsheds.com

[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

GENERAL NOTES

1. Foundation plans are not part of this plan set and are governed by local jurisdiction.
2. Buildings are approved for residential lawn storage only
3. This building is exempt from the FECC per sections R101.4.2.4, R402.1.
4. Refer to tie down details for proper installation requirements to meet code.
5. All lumber for construction will be #2 SYP except as noted.
6. Gutters shall be site installed per the local authority having Jurisdiction and permitting requirements.
7. All windows and doors to meet the minimum specifications per the approved plans and the Florida Building Code.
8. In accordance with FBC 1609.1.2, "Storage sheds that are not designed for human habitation and that have a floor area of 720 square feet or less are not required to comply with the mandatory windborne debris impact standards of this code".
9. In accordance with FBC 1010.1.1, exception (10.) Buildings that are 400 sq-ft or less and that are intended for use in conjunction with one- and two-family residences are not subject to the door height and width requirements of this code. Structures 400 sq-ft or more shall have an 80" minimum door.
10. In accordance with Florida Statute 553.80 (1)d, lawn storage buildings and storage sheds bearing the insignia of approval of the department are not subject to 553.842 (Florida product approvals) but shall meet the design wind load requirements of the 2020 FBC 7th edition.
11. Flat metal straps can be bent around structural members of wall studs, trusses, chords, etc. To help secure these members, provided that the added bend does not interfere with any of the existing breaks/bends in the strap.
12. As per FBC section 1626.1 exception (f): storage sheds that are not designed for human habitation and that have a floor area of less than 720 square feet or less are not required to comply with the mandatory windborne debris impact standards of this code.
13. Components/Cladding are in compliance with the 2020 FBC 7th Edition.
14. Sheds located in flood hazard areas must comply with the local flood zone regulations.
15. If a wall is framed for future HVAC units that shall be approved by the AHJ and shall comply with local requirements for permitting.
16. Windows and doors installed by the customer that shall be approved by the AHJ and shall comply with local requirements for permitting.
17. HVHZ components for sheds require that installation per manufacturer's instructions.

SUPERIOR SHEDS

2323 S. VOLUSIA AVENUE
ORANGE CITY, FLORIDA 32763
(877) 439-7433

Building Code	FBC, 7th Edition (2020 w/ 2021 Supplement)
Electrical Code	2017 National Electrical Code
Building Type	Residential Lawn Storage Shed
Manufacture	Superior Sheds, LLC.
Agency	Intertek-ATI
Construction Type	VB
Fire Protection	NO
Fire Supression	NO
Occupancy	Utility
Allowable Number of Stories	1
Wind Velocity	170 MPH, Exposure D
Fire Rating of Exterior Walls	0
Floor Live Load - Standard	75 PSF
Floor Live Load - Optional	125 PSF
Floor Dead Load	10 PSF
Roof Dead Load	20 PSF
"R" Rating of Floors, Walls and Roof	0, 0, 0
Modules Per Building	1
Square Footage	719 sq. ft. max.
Hurricane Protection Usage	NO
Hurricane Shelter Usage	NO
HVHZ Approved	YES

STRUCTURAL LOAD LIMITATIONS

WIND LOAD CRITERIA

1. 132 Vasd/170 Vult	WIND SPEED (MPH)
2. I	RISK CATEGORY
3. II	BUILDING CATEGORY
4. ENCLOSED	ENCLOSURE CLASSIFICATION
5. GCpI = 0.18	INTERNAL PRESSURE COEFFICIENT
5. C	EXPOSURE FACTOR
6. 0.85	WIND DIRECTIONALITY FACTOR (Kd)
7. 0.85	GUST RESPONSE FACTOR (Gh)
8. Pr = -93.0 PSF	MAIN FRAME STRUCTURE OVERTURNING LOAD

9. COMPONENT & CLADDING LOAD
(ROOF)
Pr = ZONE 1: -35.63 PSF, ZONE 2: -35.63 PSF, ZONE 3: -65.26 PSF
(WALL)
PW = ZONE 4: -39.14 PSF, ZONE 5: -46.89 PSF

10. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.

SEISMIC LOAD: N/A

FLOOD LOAD:
THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECTED TO WAVE ACTION WHEN LOCATED IN A FLOOD PRONE OR ZONE AREA. FINISH FLOOR ELEVATION MUST BE LOCATED ABOVE THE BUILDING SITE FLOOD PLANE LEVEL. SHEDS LOCATED IN FLOOD HAZARD AREAS MUST COMPLY WITH THE LOCAL FLOOD ZONE REGULATIONS.

DRAWING INDEX

JULIO ORBEGOSO LICENSE No. 38769 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Julio Orbegoso
Date: 2022.06.07 17:04:56 -04'00'

DOUBLE WIDE SHED-HVHZ

CONSULTING ENGINEER
JULIO ORBEGOSO
FLORIDA
PE LICENSE #38769

Intertek
1748 33rd Street
Orlando, Florida 32839

This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations
Construction Type: VB
Occupancy: U
Allowed Floors: 1
Fire Rating Ext. Walls: 0
Wind Velocity: 170 mph (Vult)
Plan #: DW
Floor Load: 75psf/125psf
Approval Date: 06/07/2022

Ryan Knowles, SMP-64

APPROVED FOR HVHZ

MODULAR STRUCTURE FOR:
SUPERIOR SHEDS
(877) 439-7433
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MODULAR PLANS DESIGN, CO.

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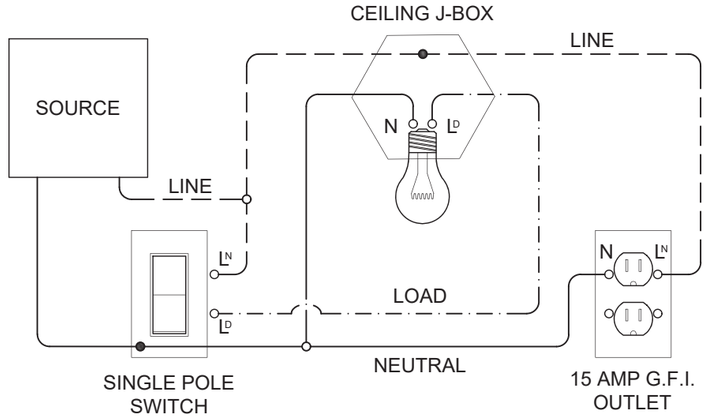
202 DORIS DRIVE., SUITE 105
LAKELAND, FLORIDA
33813
OFFICE: 863.688.1054
FAX: 863.688.7118
COLE@MODULARPLANSCO.COM

DATE:	05-25-2022
DRAWN:	R.L.G.
JOB:	SS20-DW-HVHZ
SHEET NO.	C1



ELECTRICAL NOTES & OPTIONS:

- AS PER NEX ARTICLE 330.30(B) SECURING OF MC TYPE CABLE. UNLESS OTHERWISE PROVIDED, CABLES SHALL BE SECURED AT INTERVALS NOT EXCEEDING 6FT. CABLES CONTAINING FOUR OR FEWER CONDUCTORS SIZED NO LARGER THAN 10 AWG SHALL BE SECURED WITHIN 12 IN. OF EVERY BOX, CABINET, FITTING, OR OTHER CABLE TERMINATION.
- ALL WIRING SHALL BE 14 GAUGE 3-WIRE MC CABLE.
- ENCASE IN ALL METAL BOXES.

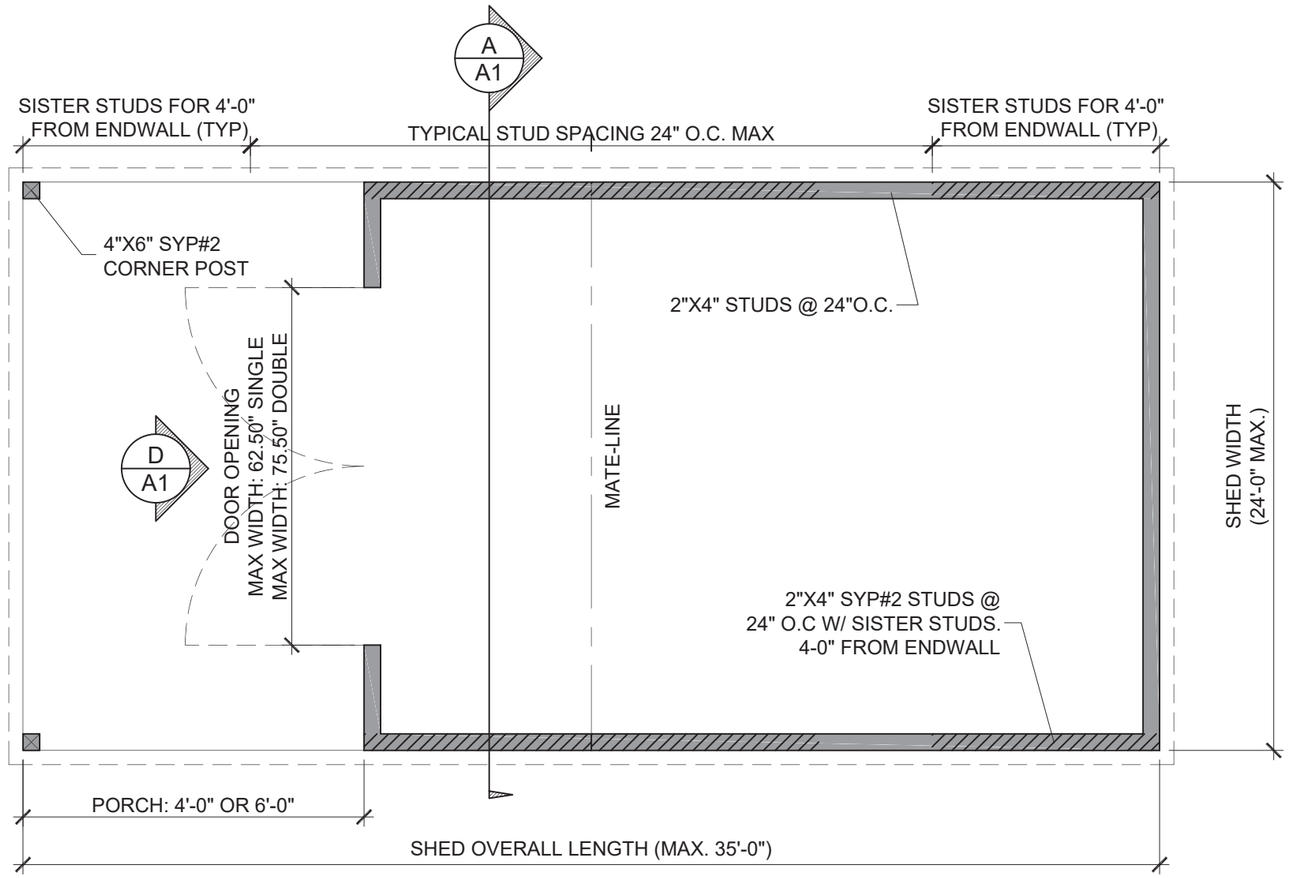
MAXIMUM NO. OF OUTLETS: 7
MAXIMUM NO. OF LIGHTS: 8

ELECTRICAL WIRING DIAGRAM

SCALE: NOT TO SCALE

NOTE:
1. MIN. GRADE STUDS: 2"X4" STUDS TO BE Fb = 1200 PSI OR GREATER
2. MIN. ROOF SHEATHING: 29GA CORRUGATED METAL
3. MIN. FLOOR SHEATHING: ¾" PLYWOOD
4. MIN. WALL SHEATHING: 29GA CORRUGATED METAL

NOTE:
23" SECTIONS OF 29GA CORRUGATED METAL SIDING FASTENED W/ ¾" #8 HEX WASHER SELF DRILLING SCREWS @ 4" ON EDGE & 6" IN FIELD



NOTE:
SHEDS TO HAVE A MAXIMUM OF 5 DOORS AND 10 WINDOWS

FLOOR PLAN

SCALE: 3/8" = 1'-0"

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Date: 2022.06.07 17:05:12 -04'00'

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Construction Type: VB
Occupancy: U
Allowed Floors: 1
Fire Rating Ext. Walls: 0
Wind Velocity: 170 mph (Vult)
Plan #: DW
Floor Load: 75psf/125psf
Approval Date: 06/07/2022

Ryan Knowles, SMP-64

DOUBLE WIDE SHED-HVHZ

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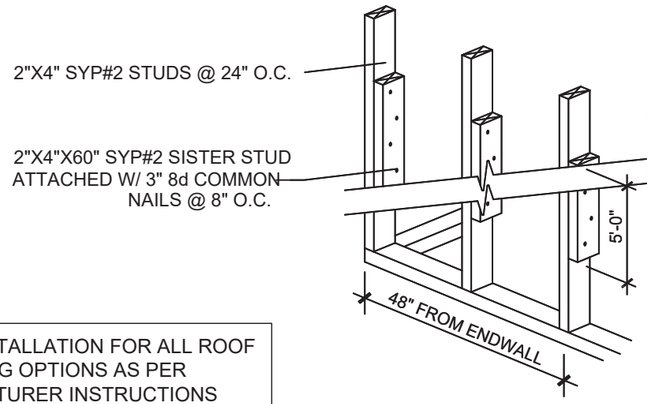
DATE: 05-25-2022
DRAWN: R.L.G.
JOB: SS20-DW-HVHZ
SHEET NO. A1



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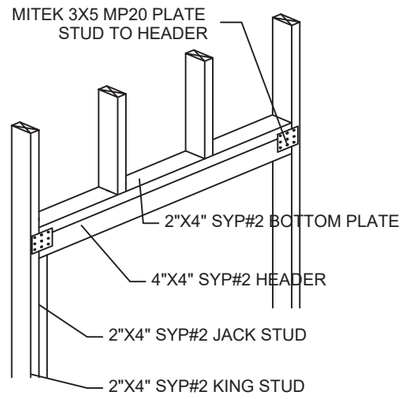
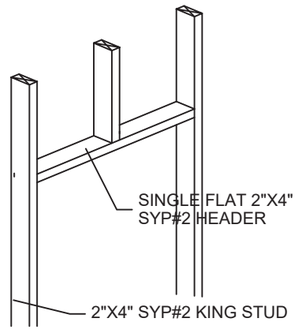
Date: 2022.06.07 17:05:22 -04'00'

NOTE: INSTALLATION FOR ALL ROOF SHEATHING OPTIONS AS PER MANUFACTURER INSTRUCTIONS

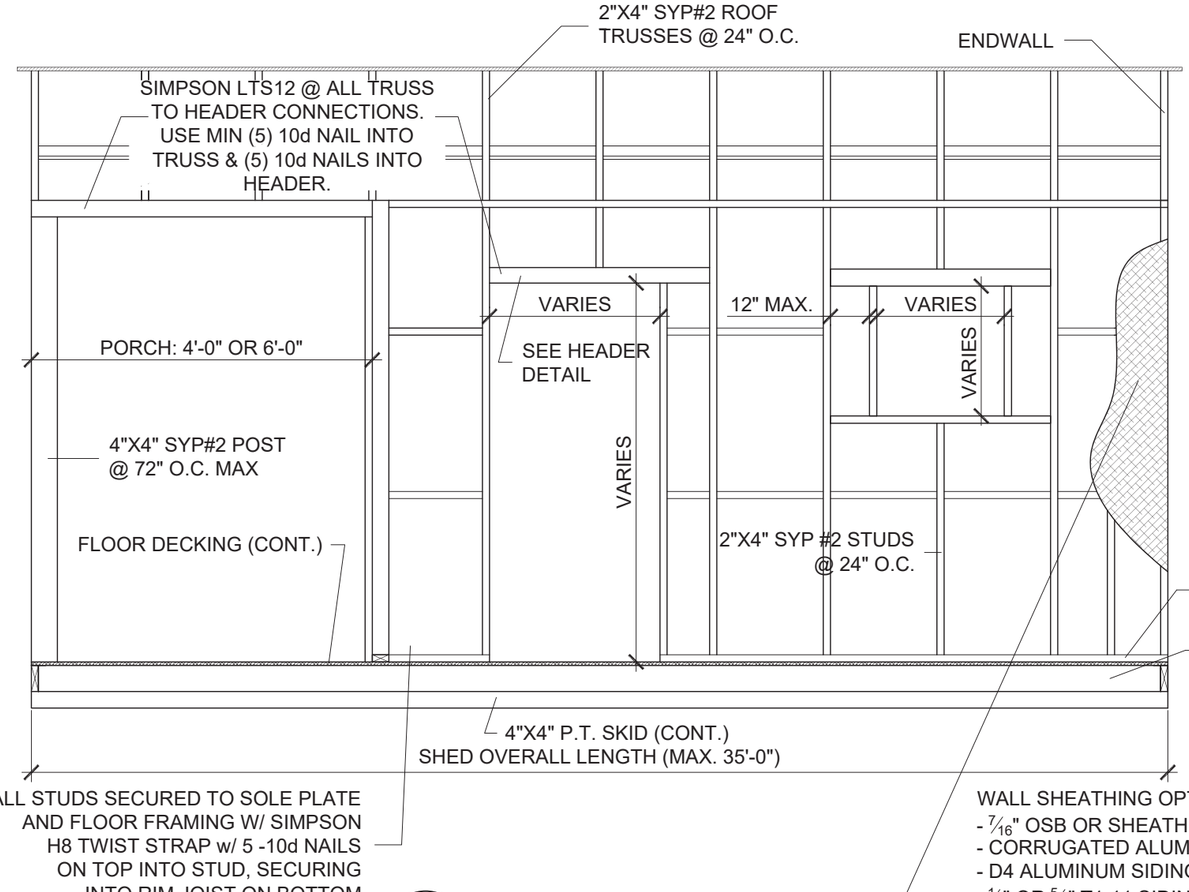
SISTER STUD DETAIL
SCALE: NTS



4"X4" HEADER DETAIL
SCALE: NTS

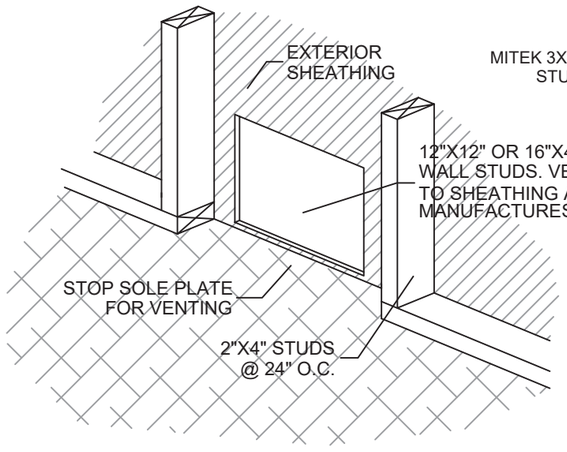


ENDWALL DOOR & WINDOW 6'-0" WIDE OR LESS
SCALE: NTS

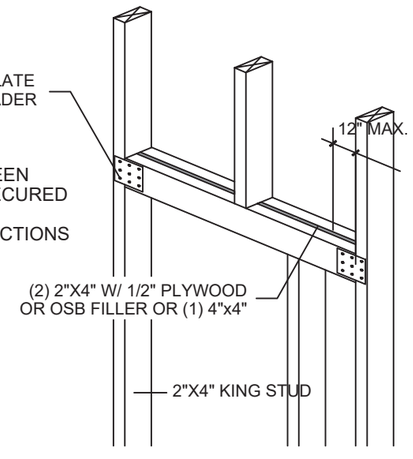


A / A2 SIDEWALL FRAMING
SCALE: 3/8" = 1'-0"

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.



OPTIONAL HYDROVENT DETAIL
SCALE: NTS



SIDEWALL DOOR & WINDOW (TYP)
SCALE: NTS

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Occupancy: U
Allowed Floors: 1
Fire Rating Ext. Walls: 0
Wind Velocity: 170 mph (Vult)
Plan #: DW
Floor Load: 75psf/125psf
Approval Date: 06/07/2022

Ryan Knowles, SMP-64

DOUBLE WIDE SHED-HVHZ

CONSULTING ENGINEER
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PE LICENSE #38769

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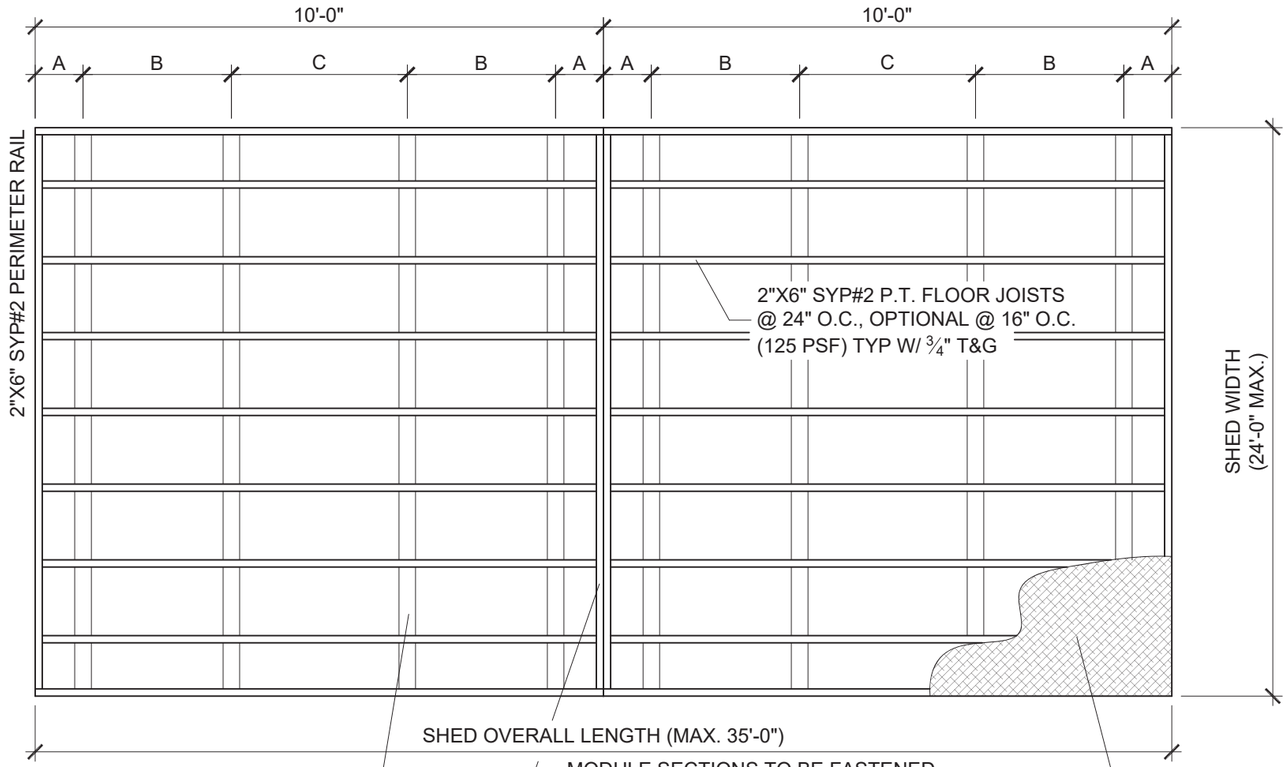
DATE:	05-25-2022
DRAWN:	R.L.G.
JOB:	SS20-DW-HVHZ
SHEET NO.	A2



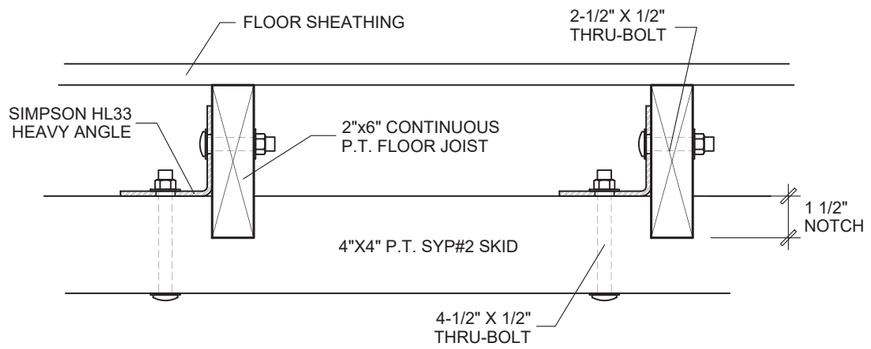
FLOOR FRAMING PLAN

SCALE: 3/8" = 1'-0"

SKID RUNNER SPACING*				
WIDTHS	8'-0"	10'-0"	11'-8"	13'-8"
A	9"	1'-7"	2'-8"	1'-10.5"
B	6'-6"	6'-10"	6'-4"	9'-11"
C	-	-	-	6'-11"

*VALUES ARE FROM END OF JOIST TO CENTERS OF (2) 4"X4" SKIDS ONLY. 13'-8" WIDE SHEDS HAVE (4) SKIDS.

NOTE: FLOOR SHEATHING TO BE INSTALLED W/ 10d COMMON NAILS @ 6" O.C. ON EDGE AND 12" O.C. IN FIELD UNLESS OTHERWISE SPECIFIED PER MANUFACTURERS SPECS



FLOOR JOIST TO SKID CONNECTION

SCALE: NTS

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Date: 2022.06.07 17:05:32 -04'00'

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Orlando, Florida 32839

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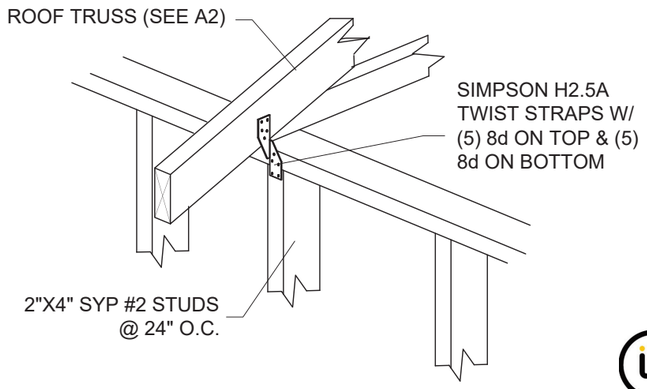
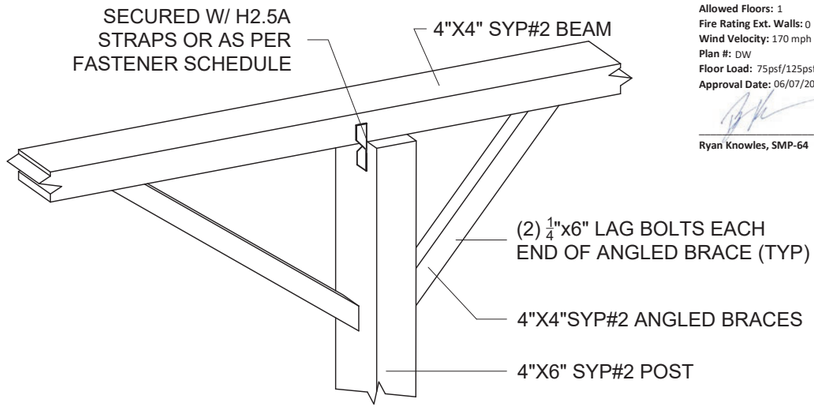


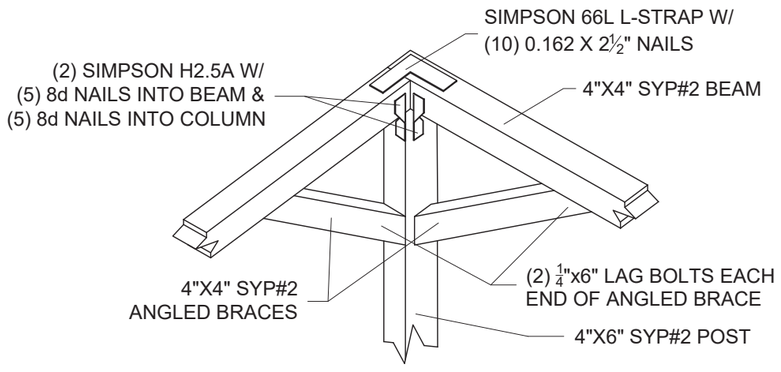
PORCH TO SHED ENDWALL CONNECTION

SCALE: 3/8" = 1'-0"



INTERIOR POST DETAIL

SCALE: 3/8" = 1'-0"

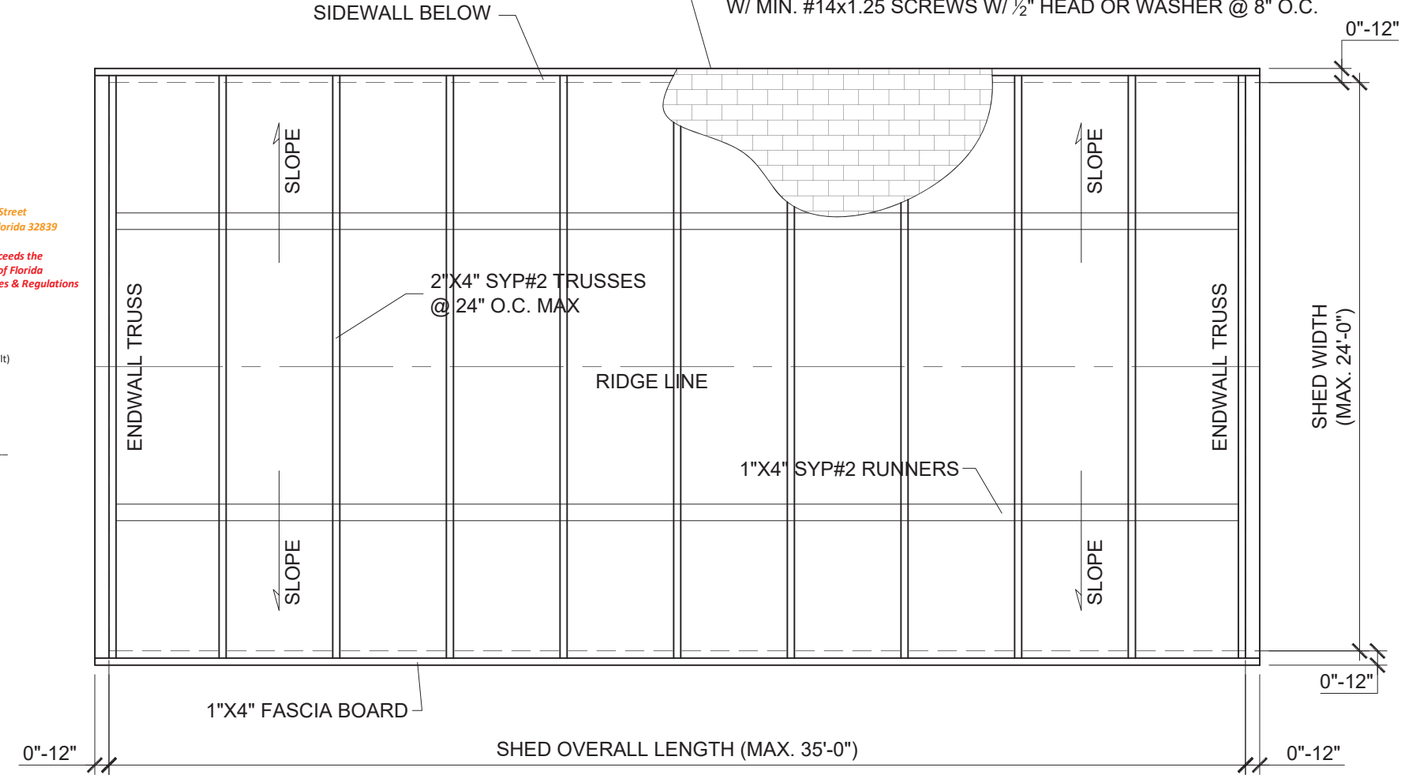


PORCH CORNER POST

SCALE: 3/8" = 1'-0"

NOTE: INSTALLATION FOR ALL ROOF SHEATHING OPTIONS AS PER MANUFACTURER INSTRUCTIONS

ROOF SHEATHING OPTIONS:
(INSTALL PER MANUFACTURERS SPECS)
- FIBERGLASS SHINGLES, 20 YEARS CLASS 'A' OVER #16 FELT OVER $\frac{7}{16}$" OSB, ½" OSB, OR ½" CDX PLYWOOD
- D4 ALUMINUM
- 29GA CORRUGATED METAL (ANY DIRECTION) SECURED W/ MIN. #14x1.25 SCREWS W/ ½" HEAD OR WASHER @ 8" O.C.



ROOF FRAMING PLAN

SCALE: 3/8" = 1'-0"

NOTE:
1. MIN. GRADE STUDS: 2"X4" STUDS TO BE Fb = 1200 PSI OR GREATER
2. MIN. ROOF SHEATHING: 29GA CORRUGATED METAL
3. MIN. FLOOR SHEATHING: ¾" PLYWOOD
4. MIN. WALL SHEATHING: 29GA CORRUGATED METAL

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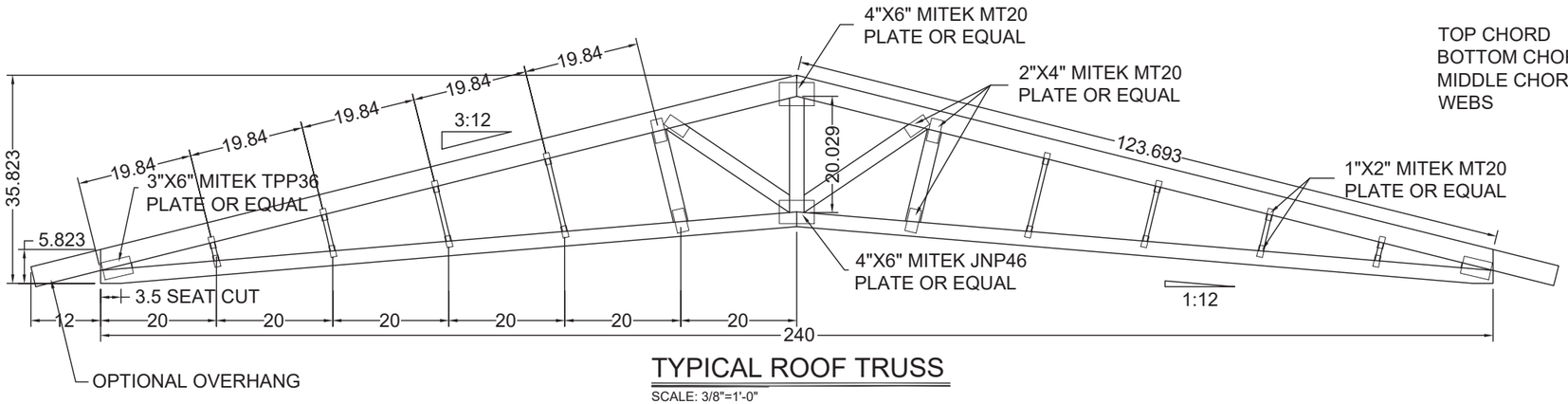
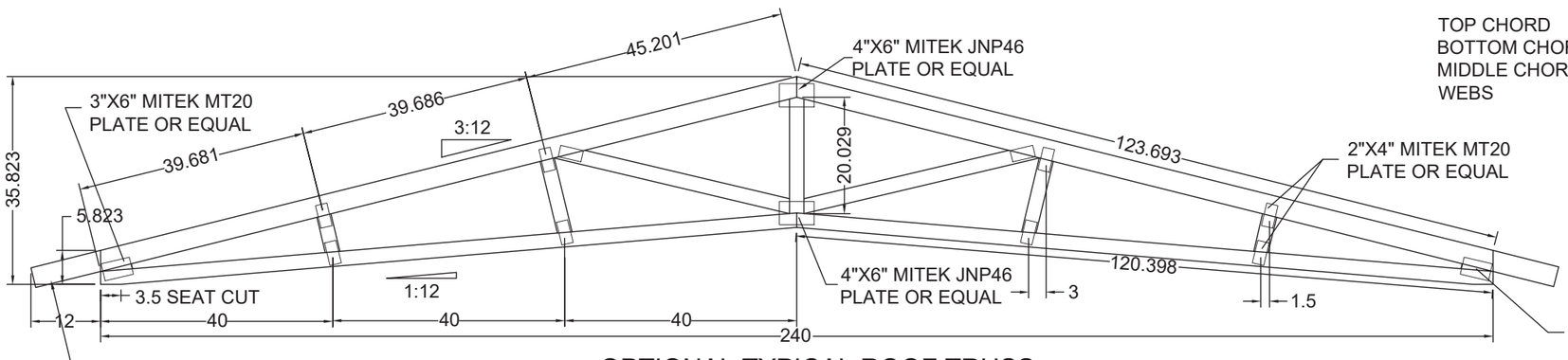
SHEET NO.	A4



TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF
WEBS - 1"X2" SELECT SPF

TYPICAL ROOF TRUSS

SCALE: 3/8"=1'-0"



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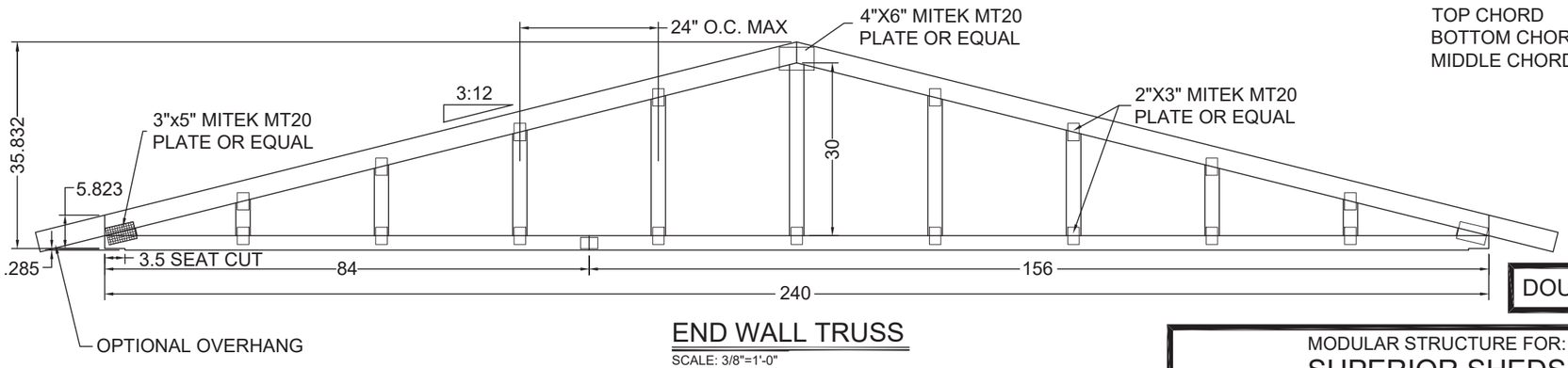
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF
WEBS - 2"X3" SELECT SPF

OPTIONAL TYPICAL ROOF TRUSS

SCALE: 3/8"=1'-0"



TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF

END WALL TRUSS

SCALE: 3/8"=1'-0"

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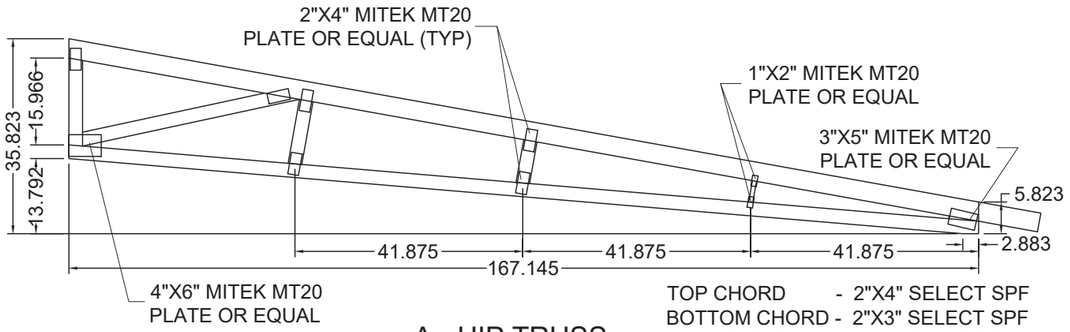
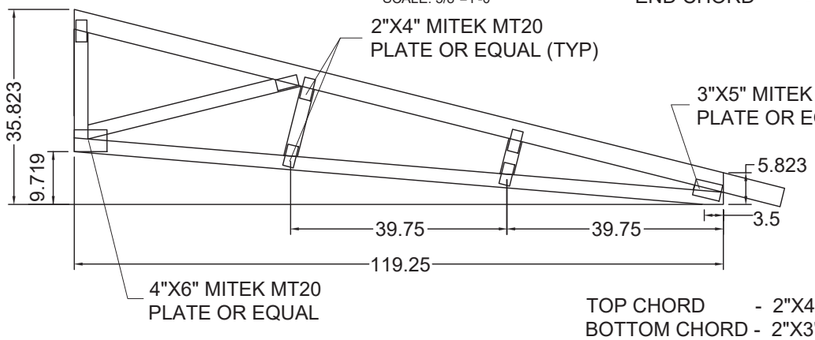
SHEET NO. A5



TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF
END CHORD - 1"X2" SELECT SPF

A - HIP TRUSS

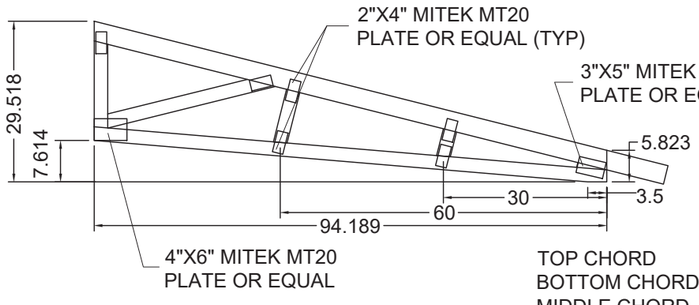
SCALE: 3/8"=1'-0"



TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF

B - CENTER HIP TRUSS

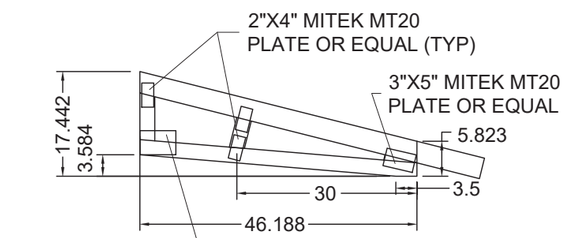
SCALE: 3/8"=1'-0"



TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF

C - BRIDGE TRUSS

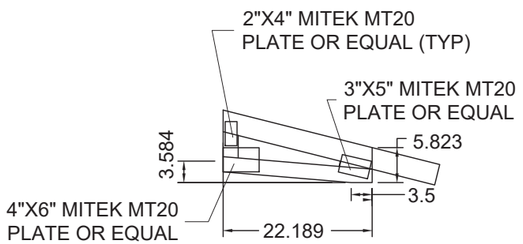
SCALE: 3/8"=1'-0"



TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF

E - BRIDGE TRUSS

SCALE: 3/8"=1'-0"

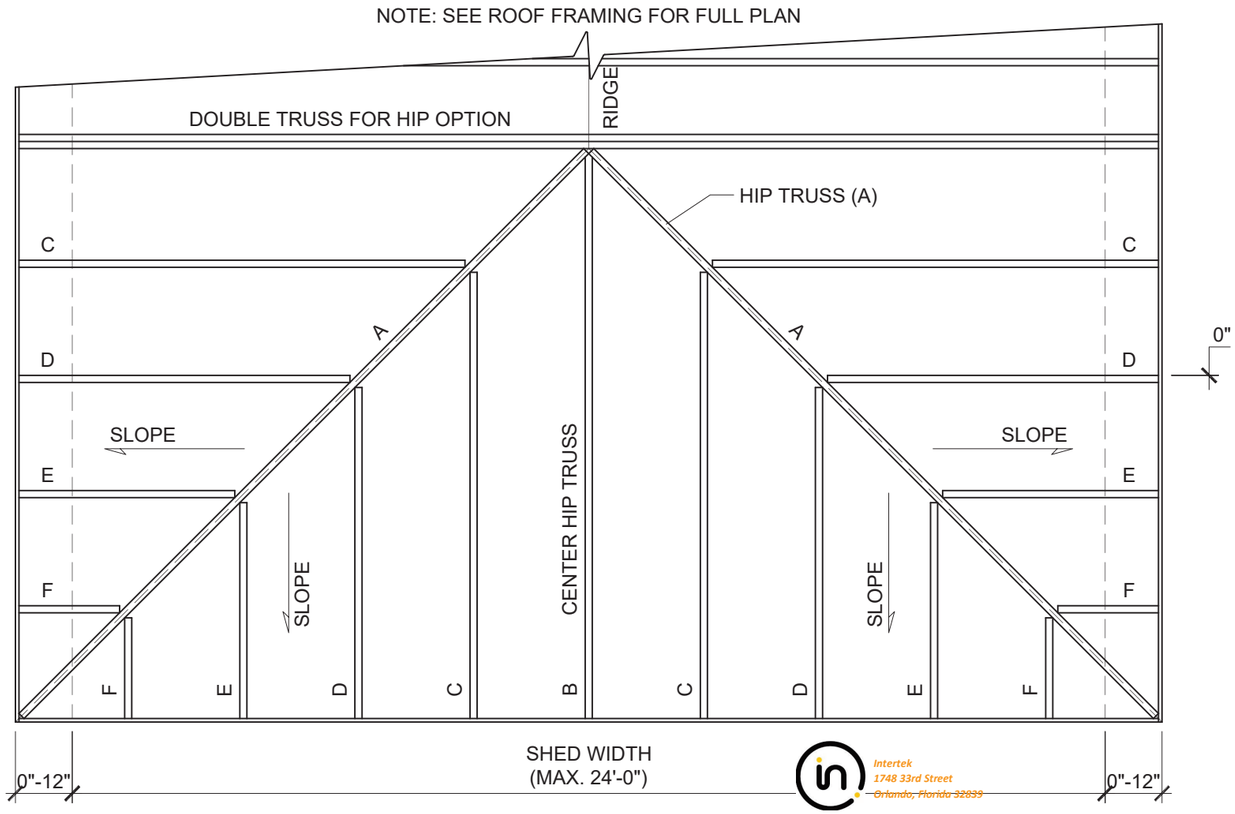


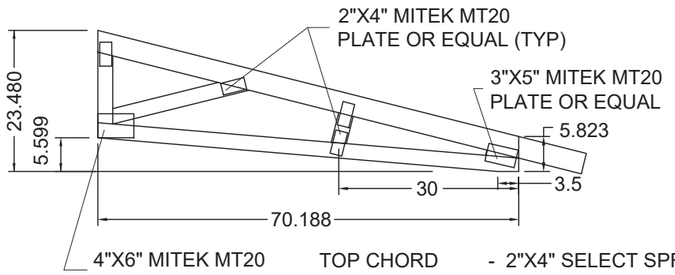
TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF

F - BRIDGE TRUSS

SCALE: 3/8"=1'-0"

NOTE: SEE ROOF FRAMING FOR FULL PLAN





TOP CHORD - 2"X4" SELECT SPF
BOTTOM CHORD - 2"X3" SELECT SPF
MIDDLE CHORD - 2"X3" SELECT SPF

D - BRIDGE TRUSS

SCALE: 3/8"=1'-0"

DOUBLE WIDE SHED-HVHZ

Intertek
1748 33rd Street
Orlando, Florida 32839

This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations

Construction Type: VB
Occupancy: U
Allowed Floors: 1
Fire Rating Ext. Walls: 0
Wind Velocity: 170 mph (Vult)
Plan #: DW
Floor Load: 75psf/125psf
Approval Date: 06/07/2022

Ryan Knowles, SMP-64

JULIO ORBEGOSO LICENSE No. 38769 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Julio Orbegoso
Date: 2022.06.07 17:06:01 -04'00'

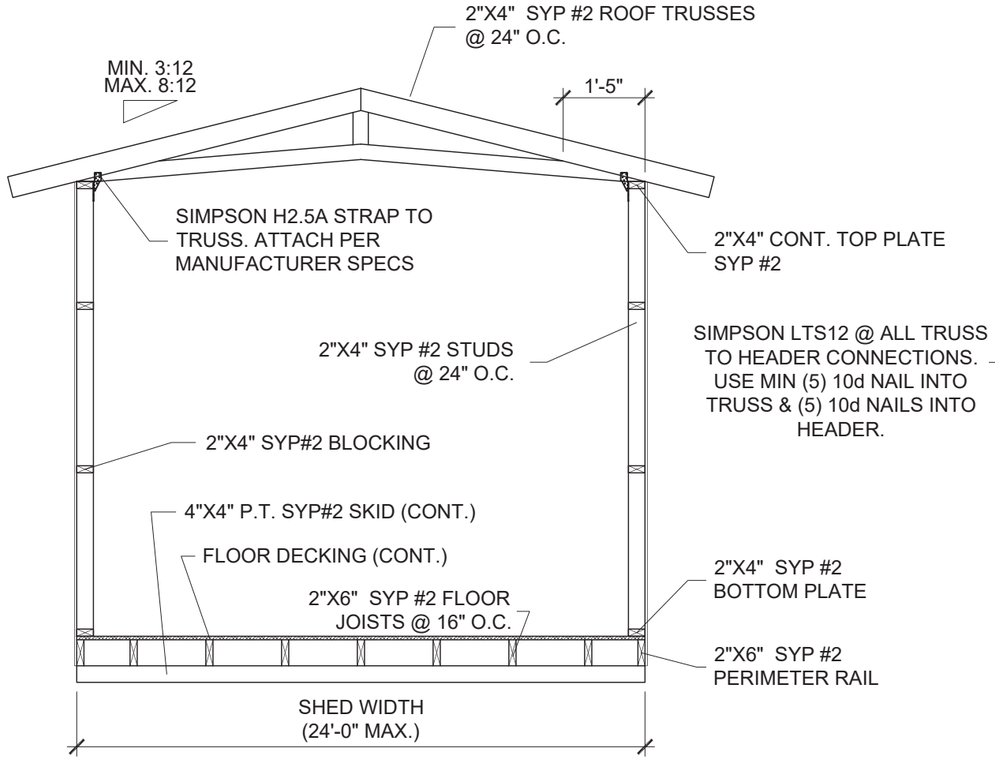
CONSULTING ENGINEER
JULIO ORBEGOSO
FLORIDA
PE LICENSE #38769

MODULAR STRUCTURE FOR:
SUPERIOR SHEDS
(877) 439-7433
2323 S. VOLUSIA AVE. ORANGE CITY, FL 32763

MODULAR PLANS DESIGN, CO.

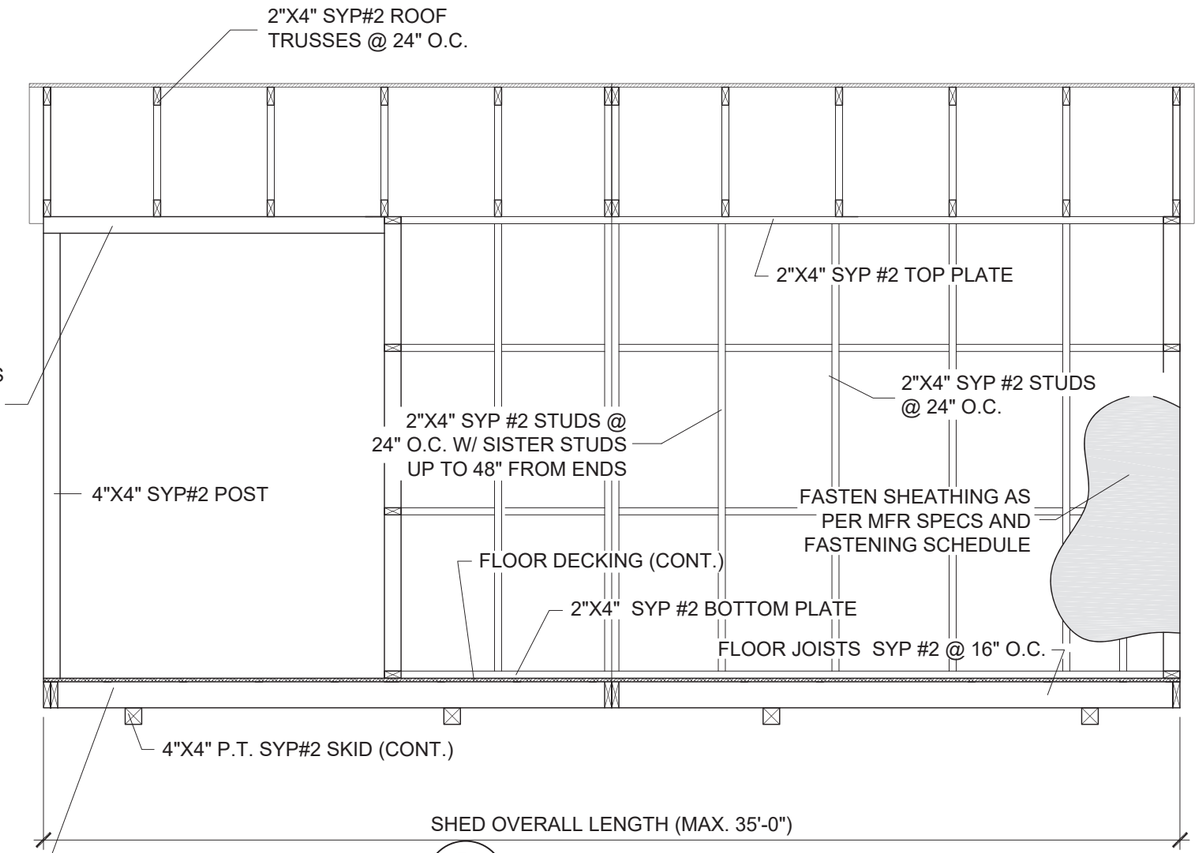
MODULAR
PLANS DESIGN, CO.
202 DORIS DRIVE., SUITE 105
LAKELAND, FLORIDA
33813
OFFICE: 863.688.1054
FAX: 863.688.7118
COLE@MODULARPLANSCO.COM

DATE:	05-25-2022
DRAWN:	R.L.G.
JOB:	SS20-DW-HVHZ
SHEET NO.	A6



A / A7 **CROSS SECTION 'A'**

SCALE: 3/8" = 1'-0"



B / A7 **CROSS SECTION 'B'**

SCALE: 3/8" = 1'-0"

ALL STUDS SECURED TO SOLE PLATE AND FLOOR FRAMING W/ 0.039" (1MM)x12" STRAP w/ 5 -10d NAILS ON TOP INTO STUD, SECURING INTO RIM JOIST ON BOTTOM W/ 5-10d NAILS (TYPICAL)

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Fire Rating Ext. Walls: 0
Wind Velocity: 170 mph (Vult)
Plan #: DW
Floor Load: 75psf/125psf
Approval Date: 06/07/2022

Ryan Knowles, SMP-64

NOTE:
1. MIN. GRADE STUDS: 2"X4" STUDS TO BE Fb = 1200 PSI OR GREATER
2. MIN. ROOF SHEATHING: 29GA CORRUGATED METAL
3. MIN. FLOOR SHEATHING: ¾" PLYWOOD
4. MIN. WALL SHEATHING: 29GA CORRUGATED METAL

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DOUBLE WIDE SHED-HVHZ

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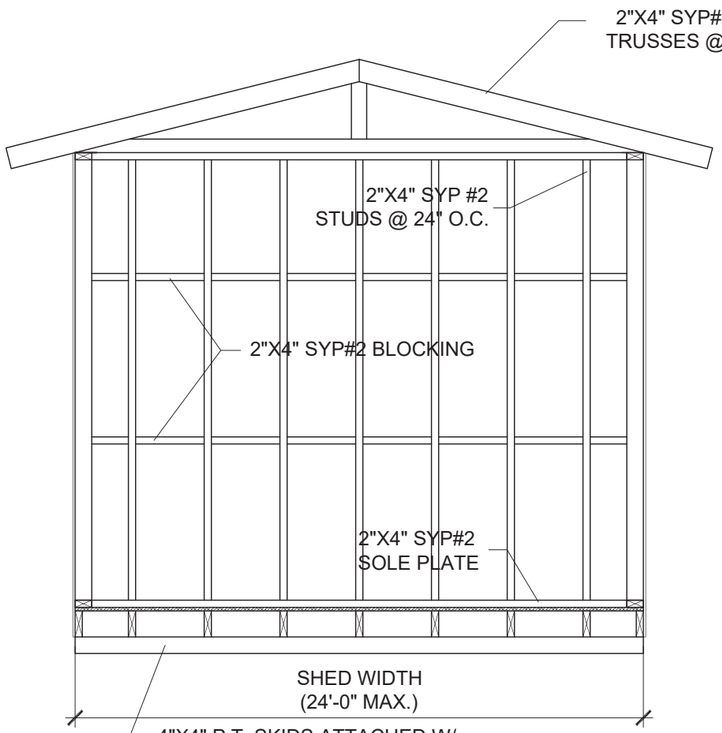
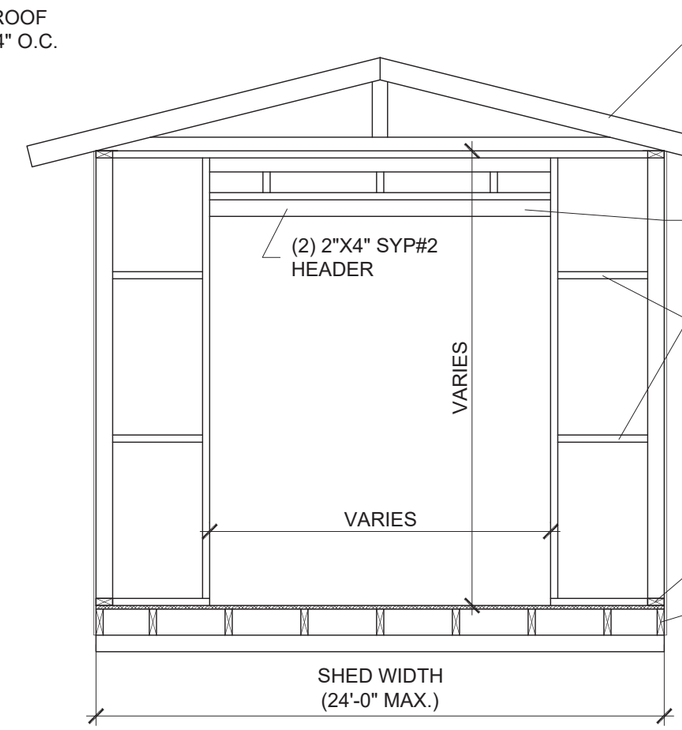
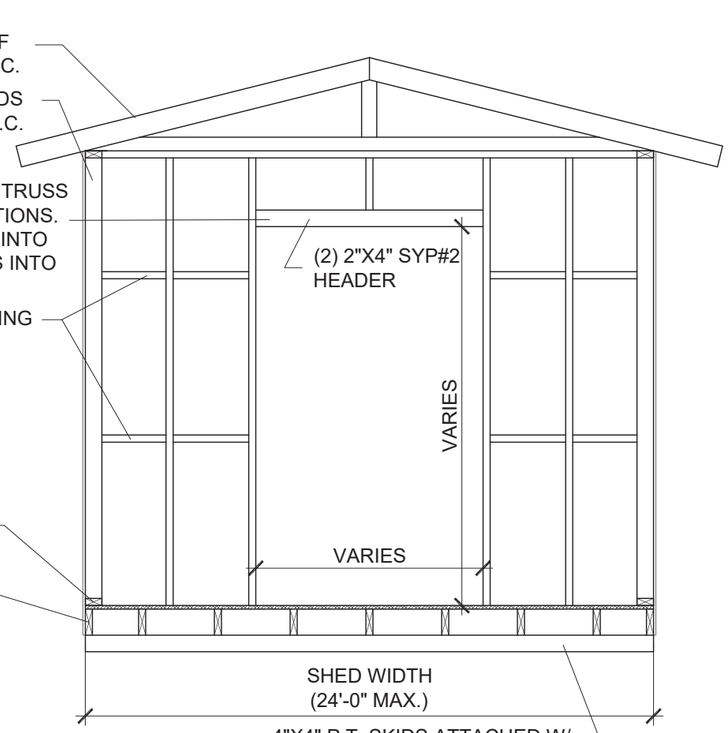


A/A8 ENDWALL FRAMING
SCALE: 3/8" = 1'-0"



B/A8 ENDWALL FRAMING
SCALE: 3/8" = 1'-0"



B/A8 ENDWALL FRAMING
SCALE: 3/8" = 1'-0"

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NOTE:
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3. MIN. FLOOR SHEATHING: ¾" PLYWOOD
4. MIN. WALL SHEATHING: 29GA CORRUGATED METAL

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DOUBLE WIDE SHED-HVHZ

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DATE: 05-25-2022
DRAWN: R.L.G.
JOB: SS20-DW-HVHZ
SHEET NO. A8

FASTENING SCHEDULE
(FBC TABLE 2304.10.1)

CONNECTION	FASTENING	CONNECTION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON (2 1/2" X 0.131") 3 - 3" 14 GAUGE STAPLES	TOENAIL
2. BRINGING TO JOIST	2 - 8d COMMON (2 1/2" X 0.131") 2 - 8d COMMON (2 1/2" X 0.131") 2 - 3" 14 GAUGE STAPLES	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 1/2" X 0.131")	FACE NAIL
4. WIDER THAN 1"x6" 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 SOLE PLATE TO JOIST AT BLOCKING AT BRACED WALL PANEL	16d (3 1/2" X 0.135") AT 16" O.C. 3" X 0.131 NAILS AT 8" O.C. 3" 14 GAUGE STAPLES AT 12" O.C. 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 GAUGE STAPLES AT 16" O.C.	TYPICAL FACE NAIL 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 GAUGE 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 GAUGE STAPLES 2 - 16d COMMON (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS 3 - 3" 14 GAUGE STAPLES	TOE NAIL END NAIL
9. DOUBLE STUDS	16d (3 1/2" X 0.135") AT 24" O.C. 3" X 0.131 NAILS AT 8" O.C. 3" 14 GAUGE STAPLES AT 8" O.C.	FACE NAIL
10. DOUBLE TOP PLATES DOUBLE TOP PLATES	16d (3 1/2" X 0.135") AT 16" O.C. 3" X 0.131 NAILS AT 8" O.C. 3" 14 GAUGE STAPLES AT 8" O.C. 8- 16d COMMON (3 1/2" X 0.135") AT 16" O.C. 12 - 3" X 0.131" NAILS AT 16" O.C. 12 - 3" 14 GAUGE STAPLES AT 16" O.C.	TYPICAL FACE NAIL 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 GAUGE STAPLES	TOENAIL
12. RIM JOIST TO TOP PLATE	8d COMMON (2 1/2" X 0.131") AT 6" O.C. 3" X 0.131" NAILS AT 6" O.C. 3" 14 GAUGE 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 GAUGE 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 - 16d COMMON (3 1/2" X 0.131") 5 - 3" X 0.131" NAILS 3 - 3" 14 GAUGE STAPLES	TOE NAIL
16. RIM JOIST TO TOP PLATE	4 - 8d COMMON (2 1/2" X 0.131")	TOE NAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2" X 0.135") MIN. 4 - 3" X 0.131" NAILS 4 - 3" 14 GAUGE STAPLES	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2" X 0.135") MIN. 4 - 3" X 0.131" NAILS 4 - 3" 14 GAUGE 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 GAUGE STAPLES	TOE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD & PLATE	2 - 8d COMMON (2 1/2" X 0.131") 2 - 3" X 0.131" NAILS 3 - 3" 14 GAUGE STAPLES	FACE NAIL
21. 1"X8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2" X 0.131")	FACE NAIL
22. WIDER THAN 1"X8" SHEATHING TO EA.BEARING	3 - 8d COMMON (2 1/2" X 0.131")	FACE NAIL
23. BUILT-UP CORNER SUDS	16d COMMON (3 1/2" X 0.162") MIN. 3" X 0.131" NAILS 3" 14 GAUGE 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 GAUGE STAPLES AT 24" O.C. 2 - 20d COMMON (4" X 0.192") 3 - 3" X 0.131" NAILS 3 - 3" 14 GAUGE STAPLES	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 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") MIN. 4 - 3" X 0.131" NAILS 4 - 3" 14 GAUGE STAPLES	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3" X 0.148") 4 - 3" X 0.131 NAILS 4 - 3" 14 GAUGE STAPLES 2 - 16d COMMON (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS 3 - 3" 14 GAUGE STAPLES	TOE NAIL 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 GAUGE STAPLES 2 - 16d COMMON (3 1/2" X 0.162") 3 - 3" X 0.131" NAILS 3 - 3" 14 GAUGE STAPLES	TOE NAIL 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 GAUGE STAPLES	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3 1/2" X 0.162") 4 - 3" X 0.131" NAILS 4 - 3" 14 GAUGE STAPLES	FACE NAIL AT EACH JOINT
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD (B) SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO 19/32" TO 3/4" FRAMING	1/2" AND LESS — 6d (C,I,Q) 2 3/8"X0.113" NAIL (N) 1 3/4" 16 GAUGE(O) 19/32" TO 3/4" — 8d(D) OR 6d (E) 2 3/8"X0.113" NAIL(2" 16 GAUGE (P) 7/8" TO 1" — 8d(C) 1 1/8" TO 1 1/4" — 10d(D) OR 8d(D) 3/4" AND LESS — 6d(C) 7/8" TO 1" — 8d(C) 1 1/8" TO 1 1/4" — 10d(D) OR 8d(D)	6" O.C. EDGES AND INTERMEDIATE, 4" 0.C. AT COMPONENT AND CLADDING EDGE STRIP # ZONE 3 (REFER TO FIG. 30.5-1 OF ASCE 7)
32. PANEL SIDING (TO FRAMING) (Q)	1/2" OR LESS — 6d(F) 5/8" — 8d(F)	
33. FIBERBOARD SHEATHING (G,Q)	1/2" AND LESS — NO. 11 GAUGE ROOFING NAIL(H) 6d COMMON NAIL (2"x0.113") NO. 16 GAUGE STAPLE (I) NO. 11 GAUGE NAIL(H) 8d COMMON NAIL (2 1/2"x0.131") NO. 16 GAUGE STAPLE (I) 25/32"	6"O.C. EDGES AND INTERMEDIATE
34. INTERIOR PANELING	1/4" — 4d(J) 3/8" — 6d(K)	6"O.C. EDGES AND INTERMEDIATE

A. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
B. NAILS SPACED AT 6 INCHES ON CENTER ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAGRAMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHETHING ARE PERMITTED TO BE COMMON, BOX OR CASING.
C. COMMON OR DEFORMED SHANK (6d - 2 1/2" x 0.113";8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").
D. COMMON (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").
E. DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").
F. CORROSION-RESISTANT SIDING (6d - 1 7/8" x 0.106"; 8d - 2 3/8" x 0.128") OR CASING (6d - 2" x 0.099"; 8d - 2 1/2" x 0.113") NAIL.
G. FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING, SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED FOR NONSTRUCTURAL SHEATHING.
H. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR SHEATHING.
I. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN OR 1" CROWN AND 1 1/4" LENGTH FOR 1/2" FOR 25/32" SHETHING PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IS THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).
K. PANEL SUPPORTS AT 24", CASING OR FINISH NAILS SPACED AT 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS.
L. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
M. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16".
N. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED AT 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.
O. FASTENERS SPACED AT 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND SHEATHING 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
P. FASTENERS SPACED AT 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.
Q. SEE FASTENER ALTERNATE SCHEDULE.
R. FASTENERS MUST BE INSTALLED WITH EVEN SPACING BETWEEN THEM ACROSS ATTACHING MEMBER.

ALTERNATE FASTENING SCHEDULE

CONNECTION	FASTENING	
ALT 31-33. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS	2" X 0.092" RING SHANK NAIL 5" FROM EDGE, 10" O.C.

SIDE WALL HEADER SCHEDULE (180C)

SIZE	BUILDING WIDTH UP TO 14'-0"		FASTENERS W/ STRAP SIZE
	MAX. SPAN	NJ (B)	
1-4"X4"	6'-0"	0	3 - 3" X 0.131" NAILS
4"X4" W2"X4"	8'-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. WINDOW HEADER FOR WINDOW OPENINGS THAT HAVE MORE THAN 50% COMBINED STUD WALL ABOVE AND BELOW, OTHERWISE USE DOOR HEADER SCHEDULE.
D. SEE HEADER DETAILS FOR ALTERNATE LAYOUTS, I.E. 2-2"x2" OR 4"X4" P.T.
E. THE HEADER CAN BE ATTACHED TO THE TOP PLATE AND THUS HAVE THE COMBINED STRENGTH EQUIVALENT AND USE THE MAXIMUM SPAN STATED.

END WALL HEADER SCHEDULE (180C)

SIZE (D)	MAX. SPAN	NJ (B)	FASTENERS W/O STRAP (EACH END)(C)
1-2"X4"	6'-0"	0	4 - 3" X 0.131" NAILS
2-2"X4" (C)	9'-0"	0(D)	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. LAID FLAT.
D. NO JACK STUDS, BUT 2x6 STUDS LAID FLAT.

NOTES:
1. SEE FASTENER SCHEDULE FOR HARDWARE REQUIREMENTS.
2. SEE HEADER SCHEDULE FOR ADDITIONAL INFORMATION.
3. WINDOW HEADERS HAVE COMBINED 50% OR MORE WALL FRAMING ABOVE AND BELOW, OTHERWISE REFER TO DOOR HEADERS.

WALL & ROOF HEIGHTS

BLDG WIDTH	SIDEWALL HEIGHT	RIDGE HEIGHT
8'-0"	105" EXT / 95.5 INT.	136.5" EXT / 125 INT.
10'-0"	105" EXT / 95.5 INT.	136.5" EXT / 125 INT.
12'-0"	105" EXT / 95.5 INT.	136.5" EXT / 125 INT.
14'-0"	105" EXT / 95.5 INT.	136.5" EXT / 125 INT.

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SHEET NO. A9

SIMPSON STRONG DRIVE & STRAP - SD SCREW SCHDEULE

	PART#/DESC.	UPLIFT	WALL FASTENER	RAFTER FASTENER	PLATE FASTENER
RAFTER	H1	435	-	-	-
	H11Z	750	-	-	-
	H2A	495	5 - SD9x1.5"	-	-
	H2.5A	540	-	-	-
	H2.5	410	5 - SD9x1.5"	-	-
	H2.5T	545	5 - SD9x1.5"	-	-
	H2A	495	7 - SD9x1.5"	-	-
	H3	320	4 - SD9x1.5"	-	-
	H4	280	4 - SD9x1.5"	-	-
	H5	415	4 - SD9x1.5"	-	-
	LTS-12	895	6 - SD9x1.5"	-	-
	LTS-16	1075	6 - SD9x1.5"	-	-
	LTS-18	1235	6 - SD9x1.5"	-	-
	LTS-20	1215	6 - SD9x1.5"	-	-
	MTS-12	895	7 - SD9x1.5"	-	-
	MTS-16	1075	7 - SD9x1.5"	-	-
	MTS-18	1255	7 - SD9x1.5"	-	-
	MTS-20	1255	7 - SD9x1.5"	-	-
PORCH	PART#/DESC.	UPLIFT	COLUMN FASTENER	RAFTER FASTENER	
	A21	-	2 - SD9x1.5"	2 - SD9x1.5"	
	A23	-	4 - SD9x1.5"	4 - SD9x1.5"	
	A33	-	4 - SD9x1.5"	4 - SD9x1.5"	
BTM PLATE	PART#/DESC.	UPLIFT	WALL FASTENER	FLOOR FASTENER	
	LSTA-18	1235	7 - SD9x1.5"	7 - SD9x1.5"	
TIE-DOWNS	PART#/DESC.	UPLIFT	WALL FASTENER	FLOOR FASTENER	
	20GA. 1-1/4" WIDE	4725	7 - SD9x1.5"	-	
	5/8"x30" ANCHOR	4300	-	-	

A. ONLY NEEDED ON ALUMINUM SHEATHING WALLS.
B. HEADERS OVER 6' SPAN.

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"	-
PORCH	PART#/DESC.	UPLIFT	COLUMN FASTENER	RAFTER FASTENER	
	A21	245	2 - 10dx1.5"	2 - 10dx1.5"	
	A23	585	4 - 10dx1.5"	4 - 10dx1.5"	
	A33	750	4 - 10d	4 - 10d	
BTM PLATE	PART#/DESC.	UPLIFT	WALL FASTENER	FLOOR FASTENER	
	LSTA-18	1110	7 - 10d	7 - 10d	
HEADER (D)	PART#/DESC.	UPLIFT	STUD FASTENER	HEADER FASTENER	
	TP-35	N/R	5'-3"x0.131"	5'-3"x0.131"	
	HP40,41,80,81	4725	5'-3"x0.131"	5'-3"x0.131"	
TIE-DOWNS	PART#/DESC.	UPLIFT	WALL FASTENER	FLOOR FASTENER	
	20GA. 1-1/4" WIDE	4725	7-10dx1.5"	-	
	5/8"x30" ANCHOR	4300	-	-	

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 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'-0" SPAN.

PRODUCT OPTIONS

PRODUCT CAT.	SUB. CATEGORY	MANUFACTURER	MODEL / DESC.	STATE OF FL APPROVAL #:
PANEL WALLS	SIDING	JAMES HARDIE	5/16" CEDAR	FL#: 13223.1
PANEL WALLS	SIDING	JAMES HARDIE	5/16" STUCCO	FL#: 13223.2
PANEL WALLS	SIDING	ADVANCED ALUM.	0.19 GA	FL#: 23138.1
PANEL WALLS	SIDING	PLY GEM	X	FL#: X
PANEL WALLS	SIDING	ADVANCED ALUM.	X	FL#: 31737.1
PANEL WALLS	SIDING	SIMPSON LUMBER	X	FL#: X
EXTERIOR DOORS	SWINGING EXT	EAGAN	E1HDL	FL#: 12820-R3
EXTERIOR DOORS	SWINGING EXT	CROFT	200 9-LITE	FL#: -
WINDOWS	SINGLE HUNG	CROFT	VERT SLIDER	FL#: 10853-R5
WINDOWS	SINGLE HUNG	CROFT	VERT SLIDER	FL#: 15527-R5
WINDOWS	SINGLE HUNG	CROFT	VERT SLIDER	FL#: 16082-R3
WINDOWS	SINGLE HUNG	CROFT	VERT SLIDER	FL#: 16153-R1
WINDOWS	HORIZ. SLIDER	CROFT	HORIZ. SLIDER	FL#: 27202
WINDOWS	HORIZ. SLIDER	CROFT	HORIZ. SLIDER	FL#: 28822
WINDOWS	HORIZ. SLIDER	CROFT	HORIZ. SLIDER	FL#: 30848

Intertek
1748 33rd Street
Orlando, Florida 32839

This document meets or exceeds the Requirements of the State of Florida Manufactured Building Rules & Regulations

Construction Type: VB
Occupancy: U
Allowed Floors: 1
Fire Rating Ext. Walls: 0
Wind Velocity: 170 mph (Vult)
Plan #: DW
Floor Load: 75psf/125psf
Approval Date: 06/07/2022

Ryan Knowles, SMP-64

JULIO ORBEGOSO LICENSE No. 38769 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Julio Orbegoso
Date: 2022.06.07 17:06:43 -04'00'

DOUBLE WIDE SHED-HVHZ

CONSULTING ENGINEER
JULIO ORBEGOSO
FLORIDA
PE LICENSE #38769

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DATE: 05-25-2022
DRAWN: R.L.G.
JOB: SS20-DW-HVHZ
SHEET NO. A10