

Record Detail * (This section is required.)

Permit Type Building/Residential/Accessory/Structure Permit Number B25001782 Opened Date 05/06/2025
 Description of Work SFD/ CONSTRUCT 16' X 30' STORAGE SHED, 1 STORY, Slab on Grade, 0R, 0FB, 0HB, 0FP, OTHER STRUCTURE = N/A, 0BR, PORCH/DECK = N/A, ENERGY METHOD = N/A,

check spelling

Online B.P.
 JA 5/28/25

Address * (This section is required.)

Search Reset Clear Get Parcel & Owner
 Street # 14325 Street Name HOWARD Street Type RD
 Unit Type --Select-- Unit # X Coordinate -77.00988 Y Coordinate 39.25085
 City DAYTON State MD Zip Code 21036 Primary Yes

Parcel * (This section is required.)

Search Reset Clear Get Address & Owner
 GIS ID * 889584 Parcel 207 Parcel Area 3 Land Value 296200 Improved Value 1388300 Exemption Value 1090700 Plan Area RURAL
 Legal Description LOT 4 3.0000 A []14325 HOWARD RD SWS []WARFIELD BROTHERS REVISI

check spelling

Block 4 Lot 4 Census Tract 605101 Council Dist 5 Inspection Dist Supervisor Dist Map # DAP Zone
 Plan Area State Tax Id 1405411548 Subdivision Name WARFIELD BROTHERS
 Section Area Tax Map 21
 Grid Zoning District RC-DEO ADC Map 4812-J10
 SDP No. Final Plan No. F-06-233 WP File No.
 Record Plat No. 8841 WS Contract No. FDP No. Primary Yes
 Owner Occupied Year Built 2006 Historic District
 Historic District Registry No. Stat Area 5-01 Flood Plain
 Building No

Owner (This section is not required.)

Search Reset Clear
 Name * Samue
 Address Line 1 14325 Howard Rd
 Address Line 2
 Address Line 3
 Mail City Dayton
 Mail State MD
 Mail Zip Code 21036
 Phone 443-220-8037
 Primary Yes
 E-mail

Approved Septic System Plan
 Howard County Health Department
DBernard 5-29-25
 Signature Date
 Approved As Shown

No of Stories * 1 (Text) Foundation * Slab on Grade Basement * N/A No of Rooms * 0 (Text) Full Baths * 0 (Number) Ha 0

Model * SFD/ CONSTRUCT 16' X 30' STORAGE SHED
[check spelling](#)

Other Structure * N/A Bedrooms * 0 (Number) Porch Deck * N/A No of Fireplaces * 0 (Number) Type of Fireplace --Select--
W & S Fees Paid Yes No Water * Private Sewage * Private Utilities * Gas & Electric Heating System * Electric Sprinkler System * None
1st Floor Width FT (Number) 1st Floor Depth FT (Number) 2nd Floor Width FT (Number) 2nd Floor Depth FT (Number) Basement Width FT (Number) Basement Depth FT (Number) Height FT (Number)
Total Square Footage * 480 SQFT (Number) Occupiable Square Footage * 0 SQFT (Number) Affordable Housing Funding * N/A Foundation Measurement (Text)
Walls (Text) Roof (Text) Change In Use Yes No Grading Permit No (Text) Senior Housing Yes No MIHU Outside Downtown Columbia Yes No
Additional Description Info Expiration Date 11/24/2025
MIHU Required Units (Num)

[check spelling](#)

GREEN INFORMATION

Goal Level --Select-- Actual Level --Select-- Leed Registration Number (Text) Date of Leed Certification

STORM WATER MANAGEMENT

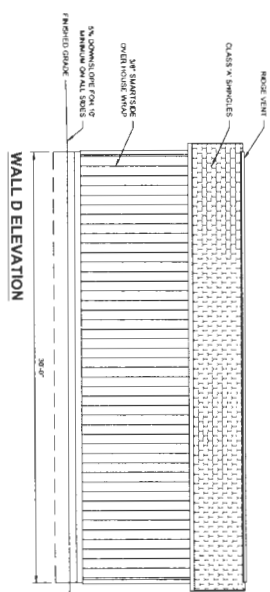
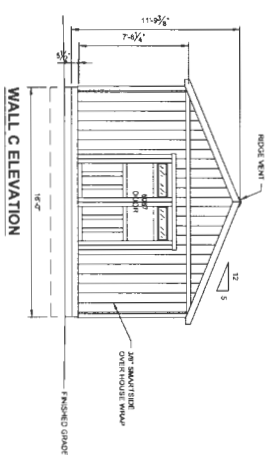
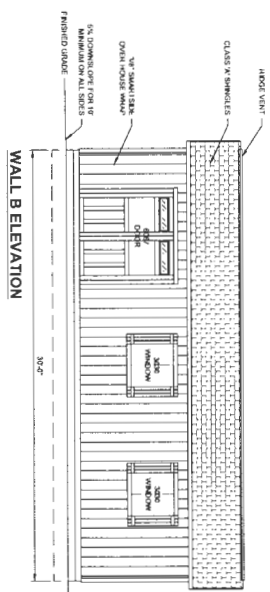
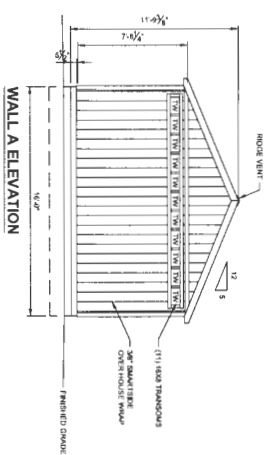
Green Roofs A1 Yes No Permeable Pavements A2 Yes No Reinforced Turf A3 Yes No Disconnection of Rooftop Runoff N1 (Number)
Sheetflow to Conservation Areas N3 Yes No Rainwater Harvesting M1 (Number) Submerged Gravel Wetlands M2 (Number) Landscape Infiltration (Number)
Dry Wells M5 (Number) Micro Bioretention M6 (Number) Rain Gardens M7 (Number) Swales M8 (Number)
PSWM Certification Received in CID on

Submit Cancel

ACCESSORY BUILDING
16' X 30' = 480 SQ FT

DRAWING INDEX
S1 - PROJECT NOTES, ELEVATIONS
S2 - PLANS SHEAR WALL SCHEDULE
S3 - SECTIONS, DETAILS

2021 IRC
30" min footing depth per code



PROJECT NOTES

1. DESIGN REQUIREMENTS
GOVERNING CODES: 2021 IRC
CONSTRUCTION PERMITS: 175, 176
REAR CATERCORP II
2. DESIGN SPECIFICS
A. WIDTH: 16'-0"
B. DEPTH: 30'-0"
C. TOTAL HEIGHT: 11'-4.5"
D. BUILDING LOADS
E. WIND SPEED: 90 MPH
F. SEISMIC DESIGN CATEGORY: B
3. FOUNDATION REQUIREMENTS
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TUFF SHED
Storage Buildings & Garages
TUFF SHED, INC.
200 W. 17th Street, Suite C
W. 17th Street, Suite C
W. 17th Street, Suite C

SO # 2151755 EP # 24345
Customer: SAM YOON

Description:
ACCESSORY BUILDING
16' X 30' X 11'-4.5"
14325 HOWARD RD.
DAYTON, MD 21206

TUFF SHED, INC.
ENGINEERING DEPARTMENT

RICHARD J. WILLIS, P.E.
RWILLIS@TUFFSHED.COM
1777 S. HARRISON STREET
DENVER, COLORADO 80210
(303) 753-8833

9 APR 2023

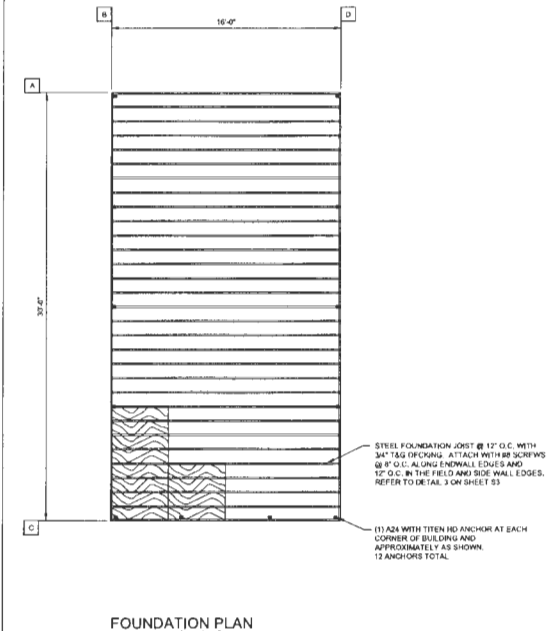
Professional Engineer
Richard J. Willis, P.E.
No. 10000
Exp. 12/31/2025

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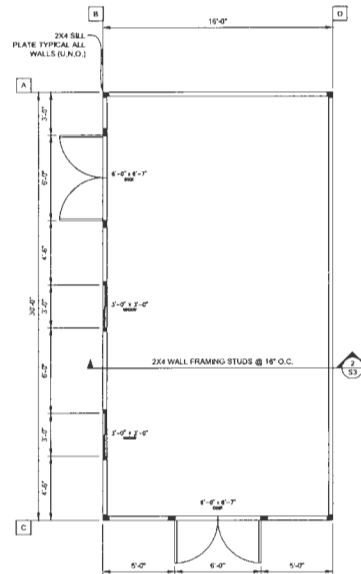
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NAILING SCHEDULE	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (KIP)	ALLOW. SHEAR LOAD (KIP)	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (KIP)	ALLOW. SHEAR LOAD (KIP)
CHORD SPLICE NAILING: (8) 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) 16d (TOENAIL)	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 16'-0" LONG TOTAL. 16' USED FOR SHEAR.	97	148	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 30'-0" LONG TOTAL. (3*4.5'+6'+4.5') = 18' AND 20d ϕ =0.78 USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	38	115
FRAMING NAILING: STUD TO TOP PLATE, (2) 16d END NAIL. STUD TO SILL PLATE, (2) 16d END NAIL OR (4) 8d TOENAIL. DOUBLE HEADER 16d @ 16" OC ALONG EACH EDGE. HEADER TO KING STUD (4) 8d TOENAIL OR (4) 16d END NAIL. DOUBLE TOP PLATES, 16d @ 16" FACE NAIL.	PROVIDE (2) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN.			PROVIDE (3) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN. TOENAIL BLOCKING TO TOP PLATE: (3) 8d BLOCK		150
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER 2021 IRC TABLE R602.3(1).						
UPLIFT TRANSFER. PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES.						
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.						
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 8d COMMON @ 6" OC EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 16'-0" LONG TOTAL. (5*5') = 10' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 4" OC FIELD: 8d COMMON @ 12" OC	155	221	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 30'-0" LONG TOTAL. 30' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	23	148
END WALL SHEAR TRANSFER. SHEATHING AT END WALL LAPS TOP PLATE OF WALL BELOW. PROVIDE EDGE NAILING. REFERENCE END WALL ASSEMBLY'S OR BALLOON FRAME END WALLS.	PROVIDE (4) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN.			PROVIDE (3) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN. TOENAIL BLOCKING TO TOP PLATE: (3) 8d BLOCK		150
SIDING TESTED TO MEET THE REQUIREMENTS OF SECTION R703.1.1, EXCEPTION 2 OF THE 2021 IRC. REFER TO INTERTEK LETTER REPORT NO. 104417961MID-001R1.						

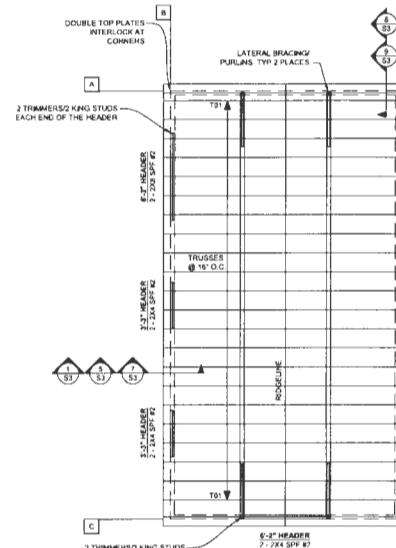
WHEN PERFORATED SHEAR WALL DESIGN IS DESIGNATED, AREAS ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALCULATIONS. REFER TO ANSIAJWC SDPWS.



FOUNDATION PLAN



FLOOR PLAN



ROOF FRAMING PLAN

FASTENER EQUIVALENCY	
SIMPSON	USP
H2.5A	RT7A
SSTB16-SSTB38	STB16-STB36
HDU2-HDU5	PHD2A-PHD5A
HDU8	PH08
LUS24-LUS210	JUS24-JUS210
LS30S-SS0	MP30MP5
LSTA9-LSTA24	LSTA9-LSTA24
A24	TDL5
H1	RT15
H3	RT3A
H6	LFTA6
H8	LTW12
H10	RT16A
PA31PA8	TAS17AT1
ABA44/ABA66	PA44E/PA66E
BC4/BC8	C44/C66
A311	TDL10
HS12	KHS12
SDS1MX3 SCREW	WS3
A34	MP34
A35	MPA1
CS16/CS22	RE200/RS300
HTT44/HT5	HTT16/HT22
CMSTC16	CMSTC16

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 54275, Expiration Date: May 6, 2025.



TUFF SHED, INC.
ENGINEERING DEPARTMENT
RICHARD J. WILLIS, P.E.
17715 HARRISON STREET
DENVER, COLORADO 80210
(303) 751-8433

SD # 2151755 EP # 2636
Contractor: SAM YOON
Description:
ACCESSORY BUILDING
30' X 30' = 90 SQ FT
14325 HOWARD RD.
DAYTON, MD 21036

THESE DRAWINGS AND THE PROPERTY OF TUFF SHED, INC. THESE DRAWINGS ARE THE PROPERTY OF TUFF SHED, INC. AND SHALL BE SUPPLIED AND BUILT BY TUFF SHED ONLY. ANY OTHER USE IS FORBIDDEN BY TUFF SHED, INC. AND THE EMPLOYEE OF RECORD.

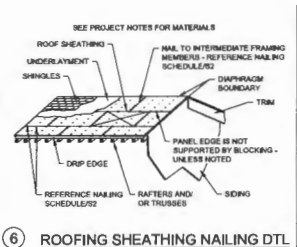
TUFF SHED
Storage Buildings & Garages
TUFF SHED, INC.
200 W. FREDERICKS BLVD.
FREDERICK, MD 21701
800.444.4444
www.tuffshed.com

Drawn By: TB
Date: 3/18/25
Checked By:
Date:
Revised:
Revised:
Title:
PLANS
SHEAR WALL SCHED
NAILING SCHEDULE

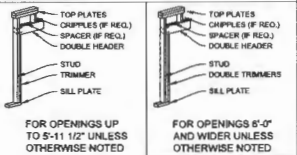
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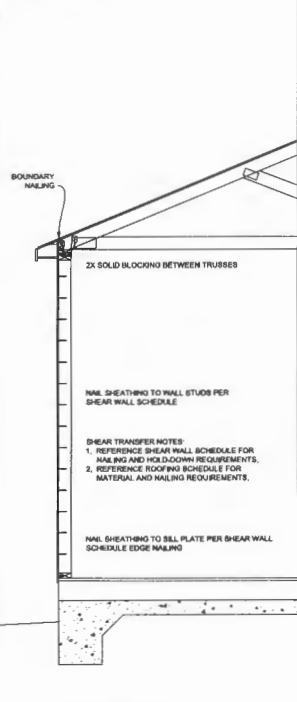
S2
Sheet 2 of 3



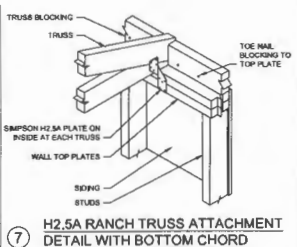
6 ROOFING SHEATHING NAILING DTL



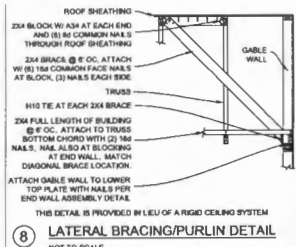
4 HEADER DETAIL
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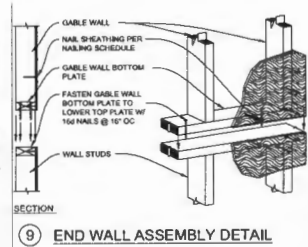
1 SHEAR TRANSFER DETAIL
3/4" x 1'-0"



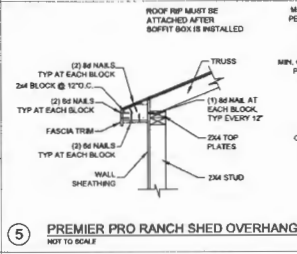
7 H2.5A RANCH TRUSS ATTACHMENT DETAIL WITH BOTTOM CHORD



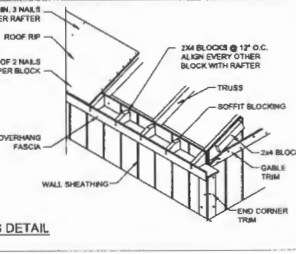
8 LATERAL BRACING/PURLIN DETAIL
NOT TO SCALE



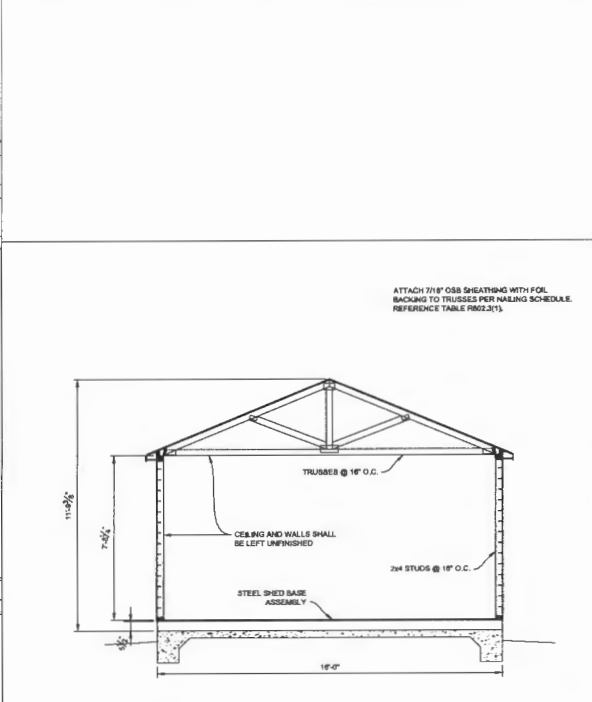
9 END WALL ASSEMBLY DETAIL



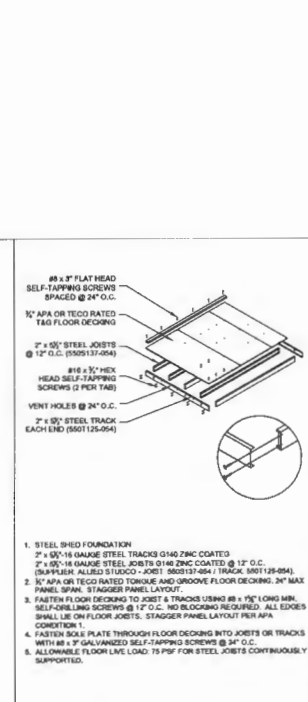
5 PREMIER PRO RANCH SHED OVERHANG DETAIL
NOT TO SCALE



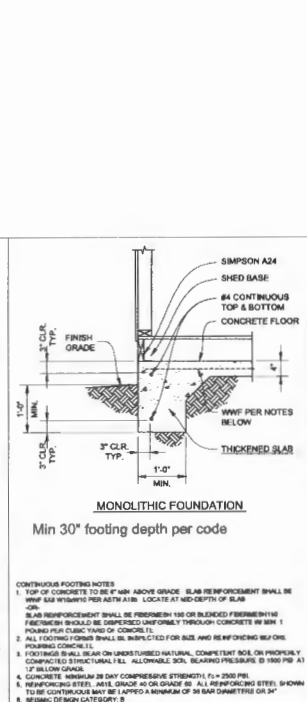
3 STEEL SHED BASE ASSEMBLY
NOT TO SCALE



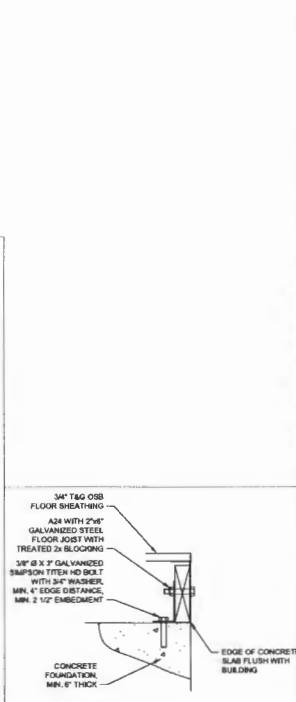
2 BUILDING SECTION
3/4" x 1'-0"



10 FOUNDATION DETAIL
3/4" x 1'-0"



3 STEEL SHED BASE ASSEMBLY
NOT TO SCALE



11 A24 INSTALLATION
NOT TO SCALE

Professional Certification, I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 54275, Expiration Date: May 8, 2025.

9 APR 2025

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3000 SQ FT
Site Address:
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DARTON, MD 21028

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www.tuffshed.com

Drawn By: TB
Date: 3/18/25
Checked By:
Date:
Revised:
Revised:
Title:
SECTIONS
DETAILS
Scale: NONE
Sheet:
S3
Sheet 3 of 3

NAILING SCHEDULE	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (kN)	ALLOW. SHEAR LOAD (kN)	SHEAR WALL SCHEDULE	CALC. SHEAR LOAD (kN)	ALLOW. SHEAR LOAD (kN)
CHORD SPLICE NAILING: (8) 16d NAILS EACH SIDE OF SPLICE. TRUSS BLOCKING: (4) 16d (TOENAIL)	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 16'-0" LONG TOTAL. 16' USED FOR SHEAR.	97	148	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 30'-0" LONG TOTAL. (3'+5'+6'+4.5') = 18' AND 2b _n /n=0.78 USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	38	115
FRAMING NAILING: STUD TO TOP PLATE, (2) 16d END NAIL OR (4) 8d TOENAIL STUD TO SILL PLATE, (2) 16d END NAIL OR (4) 8d TOENAIL DOUBLE HEADER 16d @ 16" OC ALONG EACH EDGE HEADER TO KING STUD (4) 8d TOENAIL OR (4) 16d END NAIL DOUBLE TOP PLATES, 16d @ 16" FACE NAIL	PROVIDE (2) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN.			PROVIDE (3) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN. TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK		150
UNLESS SPECIFIED HEREIN, ALL NAILING SHALL BE PER 2021 IRC TABLE R602.3(1).						
UNLIFT TRANSFER: PROVIDE SIMPSON H2.5A AT EACH END OF TRUSSES.						
PROVIDE 2X4 SOLID BLOCKING ON ALL UNSUPPORTED EDGES OF PLYWOOD ON SHEAR WALLS.						
UNBLOCKED ROOF DIAPHRAGM ROOF SHEATHING NAILING: BORDER: 8d COMMON @ 6" OC EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 16'-0" LONG TOTAL. (5'+5') = 10' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 4" OC FIELD: 8d COMMON @ 12" OC	155	221	2X4 FRAMING, SHEATHE EXTERIOR WITH 3/8" SMARTSIDE. 30'-0" LONG TOTAL. 30' USED FOR SHEAR. NAILING: EDGE: 8d COMMON @ 6" OC FIELD: 8d COMMON @ 12" OC	23	148
END WALL SHEAR TRANSFER: SHEATHING AT END WALL LAPS TOP PLATE OF WALL BELOW. PROVIDE EDGE NAILING. REFERENCE END WALL ASSEMBLY S3, OR BALLOON FRAME END WALLS.	PROVIDE (4) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN.			PROVIDE (3) A24 WITH TITEN HD ANCHORS LOCATED APPROXIMATELY AS SHOWN. TOENAIL BLOCKING TO TOP PLATE: (3) 8d/BLOCK		150
SIDING TESTED TO MEET THE REQUIREMENTS OF SECTION R703.1.1, EXCEPTION 2 OF THE 2021 IRC. REFER TO INTERTEK LETTER REPORT NO. 104417961MID-001R1.						

WHEN PERFORMED SHEAR WALL DESIGN IS DESIGNATED, AREAS ABOVE AND BELOW OPENINGS ARE USED IN SHEAR CALCULATIONS. REFER TO ANSIAWC SDPWs.

FASTENER EQUIVALENCY	
SIMPSON	USP
H2.5A	RT7A
SSTB16-SSTB36	STB16-STB36
HU22-HU25	PHD2A-PHD5A
HU18	PHD9
LUS24-LUS210	JUS24-JUS210
LS30/LS50	MP3/MP5
LSTA9-LSTA24	LSTA9-LSTA24
A24	TDL5
H1	RT15
H3	RT3A
H6	LFTA8
H9	LTA12
H10	RT16A
PA51/PA68	TAS1/TA71
ABA44/ABA66	PA44E/PA66E
BC4/BC6	C44/C66
A311	TDL10
HST2	KHST2
SDS1A4X3 SCREW	WS3
A34	MP34
CS18/CS22	RE200/RS300
HTT4/HTT5	HTT16/HTT22
CMSTC16	CMSTC16

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 64275, Expiration Date: May 6, 2025.



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30' x 30' x 10' FT
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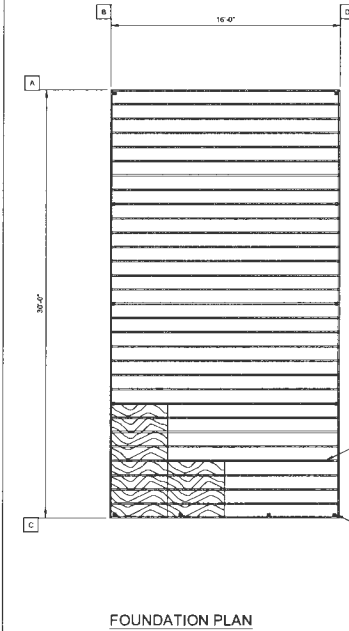
Drawn By: TB
Date: 3/18/25
Checked By:
Date:
Revised:
Revised:

Title:
PLANS
SHEAR WALL SCHED
NAILING SCHEDULE

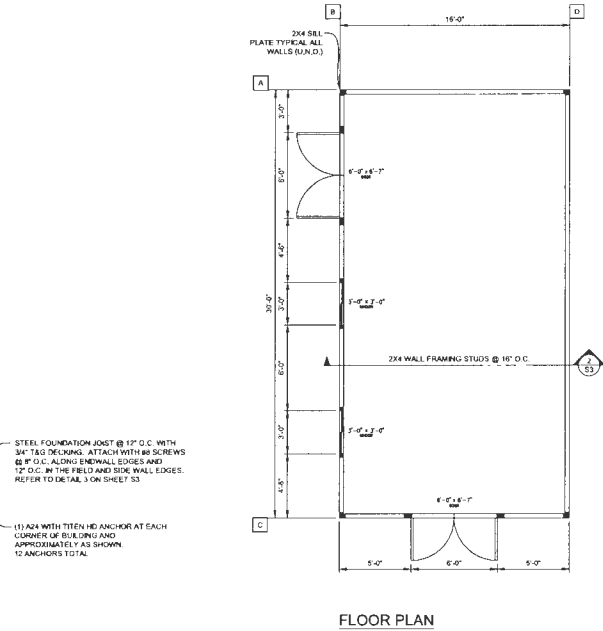
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Sheet

S2

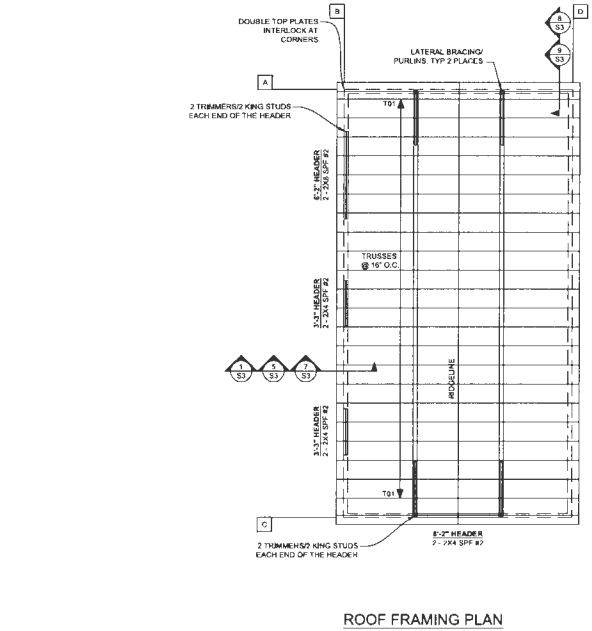
Sheet 2 of 3



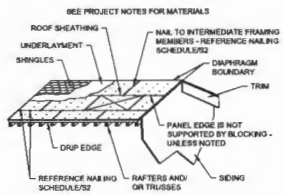
FOUNDATION PLAN



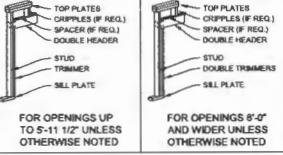
FLOOR PLAN



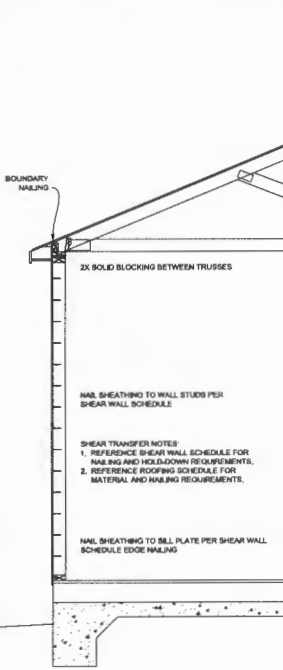
ROOF FRAMING PLAN



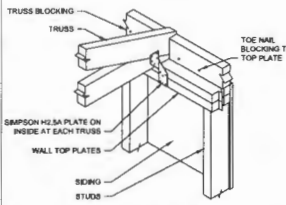
6 ROOFING SHEATHING NAILING DETAIL



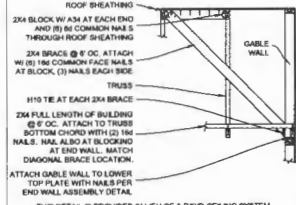
4 HEADER DETAIL
NOT TO SCALE



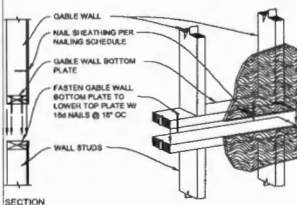
1 SHEAR TRANSFER DETAIL
3/4" x 1/4"



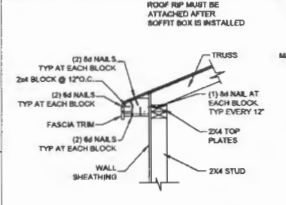
7 H2.5A RANCH TRUSS ATTACHMENT DETAIL WITH BOTTOM CHORD



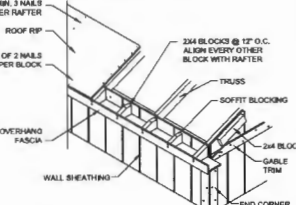
8 LATERAL BRACING/PURLIN DETAIL
NOT TO SCALE



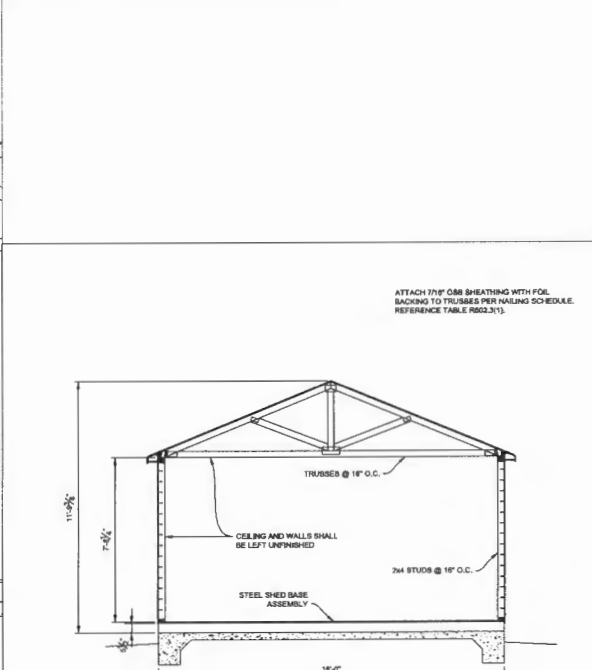
9 END WALL ASSEMBLY DETAIL



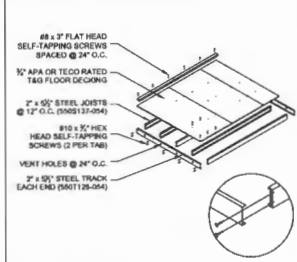
5 PREMIER PRO RANCH SHED OVERHANG DETAIL
NOT TO SCALE



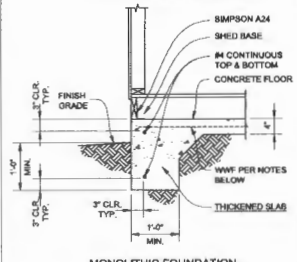
3 STEEL SHED BASE ASSEMBLY
NOT TO SCALE



2 BUILDING SECTION
3/4" x 1/4"



10 FOUNDATION DETAIL
3/4" x 1/4"



11 A24 INSTALLATION
NOT TO SCALE

1. STEEL SHED FOUNDATION
2" x 5/8" 18 GAUGE STEEL TRACKS 0148 ZINC COATED
2" x 5/8" 18 GAUGE STEEL JOISTS 0140 ZINC COATED @ 12" O.C. (SUPPORTS ALLOWED S110200 - A081 - 5005131-064 / TRACK, 500125-054)

2. 3/4" APA OR TECO RATED TONGUE AND GROOVE FLOOR DECKING 24" MAX PANEL SPAN. STAGGER PANEL LAYOUT

3. FASTEN FLOOR DECKING TO JOIST BY TRACKS USING 88 x 152 LONG NAIL SELF-DRILLING SCREWS @ 12" O.C. NO BLOCKING REQUIRED. ALL EDGES SHALL LIE ON FLOOR JOISTS. STAGGER PANEL LAYOUT PER APA CONSTRUCTION 1

4. FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS OR TRACKS WITH 88 x 17 GALVANIZED SELF-TAPPING SCREWS @ 24" O.C.

5. ALLOWABLE FLOOR LIVE LOAD: 15 PSF FOR STEEL JOISTS CONTINUOUSLY SUPPORTED.

MONOLITHIC FOUNDATION
Min 30" footing depth per code

CONTINUOUS FOOTING NOTES
1. TOP OF CONCRETE TO BE 4" MIN. ABOVE GRADE. SLAB REINFORCEMENT SHALL BE WVF #6 @ 18" SPACING PER ASTM A603. LOCATE AT MID DEPTH OF SLAB OR
SLAB REINFORCEMENT SHALL BE FIBERGLASS 140 OR BLENDED FIBERGLASS FIBERGLASS SHOULD BE DISPersed UNIFORMLY THROUGH CONCRETE IN MIN. 1 POUND PER CUBIC YARD OF CONCRETE IS.

2. ALL FOOTING CORNER REINFORCEMENT IS REQUIRED FOR BUILT-UP AND REINFORCED BEFORE POURING CONCRETE.

3. FOOTING SHALL BE BUILT ON UNDISTURBED NATURAL, COMPACTED SOIL OR PROPERLY COMPACTED STRUCTURAL FILL. ALLOWABLE SOIL BEARING PRESSURE @ 1800 PSF AT 12" BELOW GRADE.

4. CONCRETE MINIMUM 28 DAY COMPRESSIVE STRENGTH: F1 = 3000 PSI

5. REINFORCING STEEL: WALL GRADE #4 OR #6 OR #8. ALL REINFORCING STEEL: 5-DOWN TO BE CONTINUOUS MAY BE LAPPED A MINIMUM OF 36 BOLT DIAMETERS OR 24" MINIMUM DESIGN CATEGORY: B

3/4" x 7" GALVANIZED STEEL SHEATHING

A24 WITH 2" x 6" GALVANIZED STEEL FLOOR JOIST WITH TREATED 2x6 BLOCKING

3/8" x 7" GALVANIZED SIMPSON TITEN HD BOLT WITH 3/4" WASHER, MIN. 4" EDGE DISTANCE, MIN. 2 1/2" EMBEDMENT

CONCRETE FOUNDATION MIN. 4" THICK

EDGE OF CONCRETE SLAB FLUSH WITH BUILDING

11 A24 INSTALLATION
NOT TO SCALE

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 54275, Expiration Date: May 6, 2025.

9 APR 2025

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500 SQ FT
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14325 HOWARD RD.
DARTON, MD 21036

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Storage Buildings & Garages
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Drawn By: TB
Date: 3/18/25
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Date:
Revised:
Revised:
Title:

SECTIONS
DETAILS
Scale: NONE
Sheet:
S3
Sheet 3 of 3