

TINY MOBILE OFFICE SPACE PROJECT

PREPARED FOR: ALEXIS BACA-SPRY

PREPARED BY: PRIME ENGINEERING



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TINY MOBILE OFFICE

PLAN SET

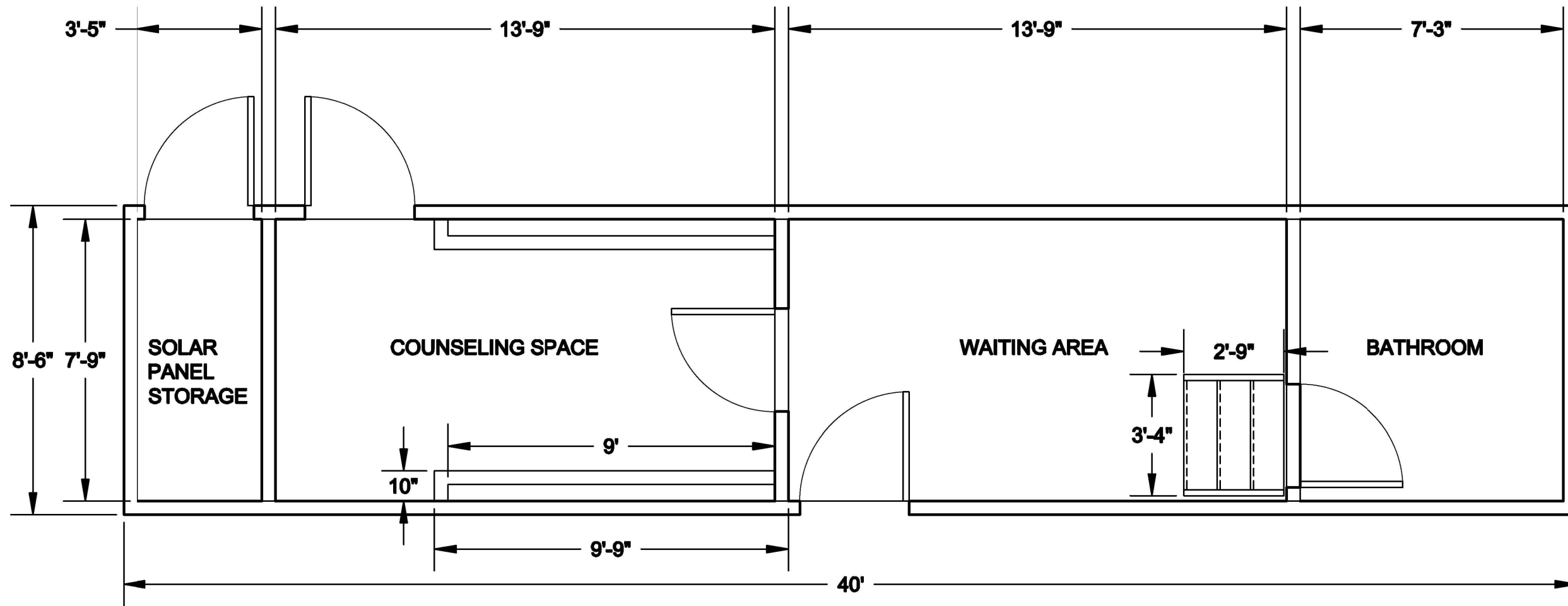


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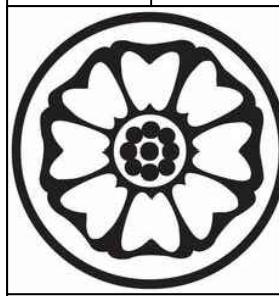
JOB NO.



DESIGN BY: KRISTEN HENDERSON	DATE: 05/07/19
DRAWN BY: KRISTEN HENDERSON	JOB NO.

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**TINY MOBILE OFFICE
FINAL FLOOR PLAN**



**1 FLOOR PLAN
1:40**

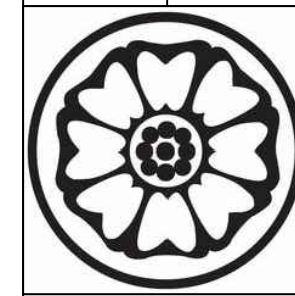
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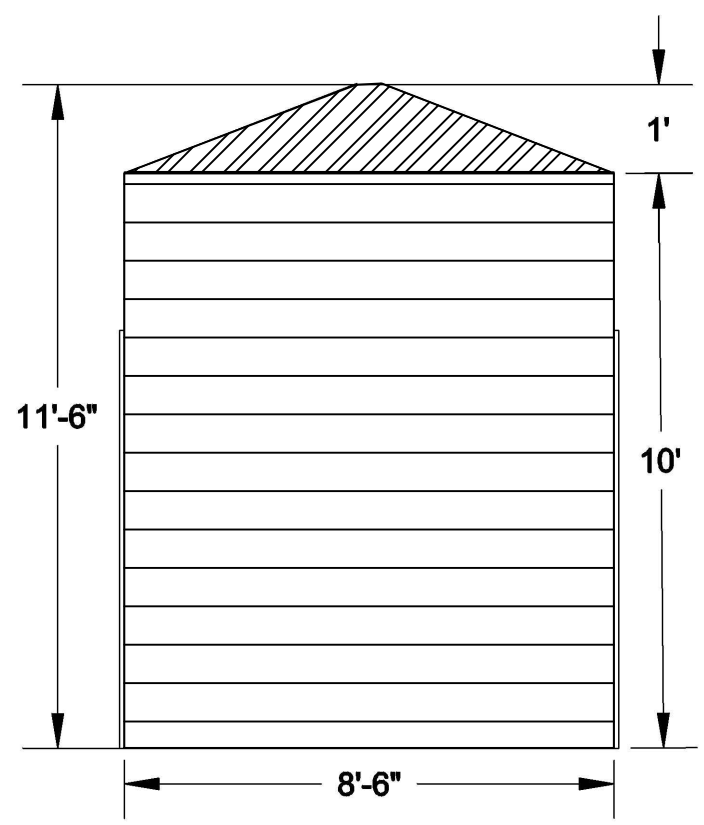
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

FRONT/BACK VIEWS

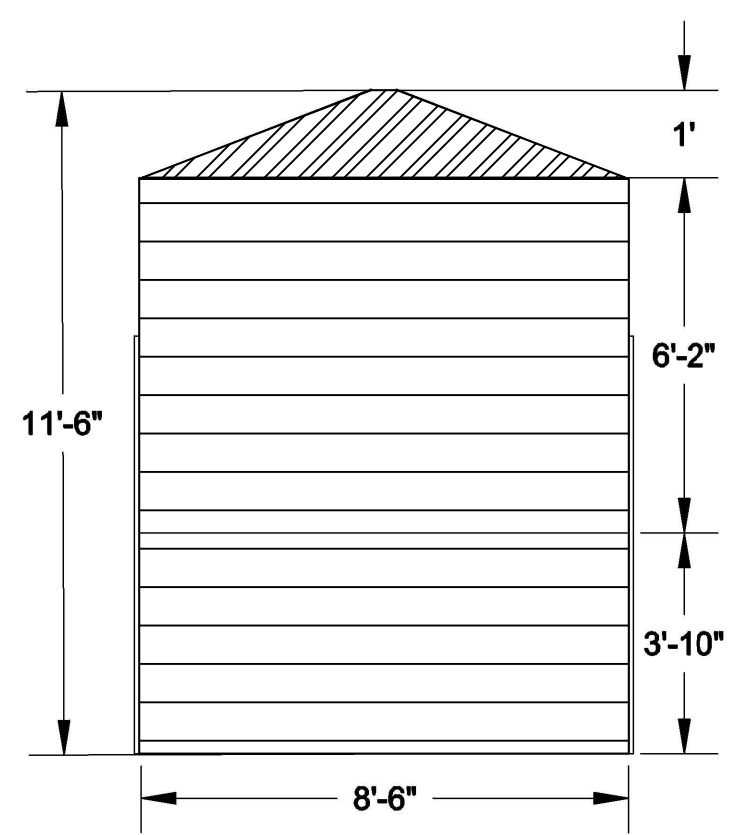


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



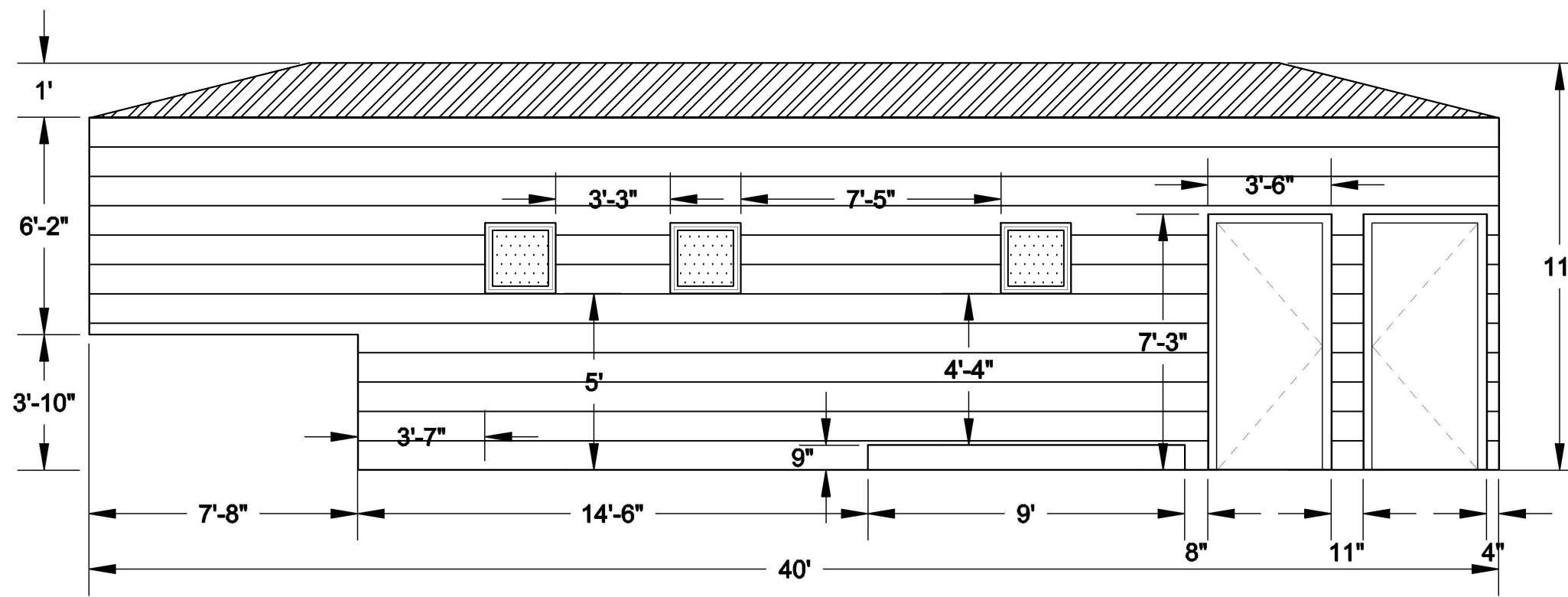
1 BACK SIDE VIEW
1:40

	STEEL ROOF
	WOOD PANELING



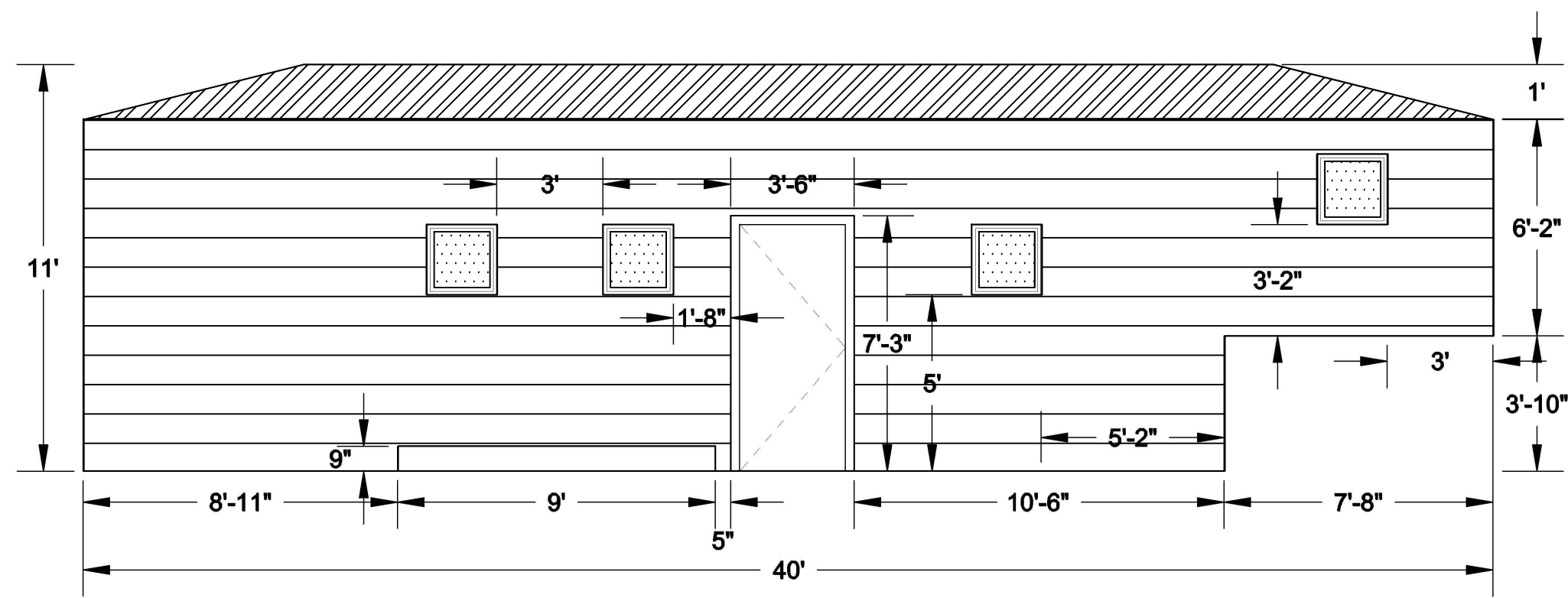
2 FRONT SIDE VIEW
1:40

	STEEL ROOF
	WOOD PANELING



1 DRIVER SIDE VIEW
1:50

	STEEL ROOF		WINDOWS
	WOOD PANELING		DOORS



2 PASSENGER SIDE VIEW
1:50

	STEEL ROOF		WINDOWS
	WOOD PANELING		DOORS

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SIDE VIEWS



A.3



Wall Schedule

Area	Assembly Code	Assembly Description	Base Constraint	Family	Function	Length	Roughness	Top Constraint	Type	Width
86 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	8' - 1 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
10 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	0' - 10"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
132 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	14' - 1"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
119 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	14' - 1"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
51 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	7' - 3 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
44 SF	B2010	Exterior Walls	03 Goose Neck	Basic Wall	Interior	7' - 7 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
51 SF	B2010	Exterior Walls	03 Goose Neck	Basic Wall	Interior	8' - 1 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
46 SF	B2010	Exterior Walls	03 Goose Neck	Basic Wall	Interior	7' - 7 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
61 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	8' - 1 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
82 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	8' - 1 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
6 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	9' - 4 1/2"	3	Up to level: 02 Top of Fender	Generic - 4.5"	0' - 4 1/2"
34 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	3' - 9 3/4"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
6 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	9' - 4 1/2"	3	Up to level: 02 Top of Fender	Generic - 4.5"	0' - 4 1/2"
45 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	4' - 8 3/4"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
42 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	8' - 6 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
1 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	0' - 10"	3	Up to level: 02 Top of Fender	Generic - 4.5"	0' - 4 1/2"
1 SF	B2010	Exterior Walls	01 Main Deck	Basic Wall	Interior	0' - 10"	3	Up to level: 02 Top of Fender	Generic - 4.5"	0' - 4 1/2"
78 SF	B2010	Exterior Walls	02 Top of Fender	Basic Wall	Interior	9' - 4 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"
82 SF	B2010	Exterior Walls	02 Top of Fender	Basic Wall	Interior	9' - 4 1/2"	3	Up to level: 04 Top Wall	Generic - 4.5"	0' - 4 1/2"

Floor Schedule						
Description	Area	Elevation at Bottom	Elevation at Top	Heat Transfer Coefficient (U)	Level	Perimeter
2X4 and 15/31 Plywood	106 SF	0' - 0 1/4"	0' - 4 1/2"	0.1729 BTU/(h·ft ² ·°F)	01 Main Deck	43' - 2 1/2"
2X4 and 15/31 Plywood	56 SF	3' - 10 1/4"	4' - 2 1/2"	0.1729 BTU/(h·ft ² ·°F)	03 Goose Neck	30' - 0"
2X4 and 15/31 Plywood	120 SF	0' - 0 1/4"	0' - 4 1/2"	0.1729 BTU/(h·ft ² ·°F)	01 Main Deck	50' - 7"

Window Schedule					
Description	Head Height	Height	Level	Sill Height	Thermal Resistance (R)
24"X24" Windows	7' - 0"	2' - 0"	01 Main Deck	5' - 0"	1.5394 (h·ft ² ·°F)/BTU
24"X24" Windows	7' - 0"	2' - 0"	01 Main Deck	5' - 0"	1.5394 (h·ft ² ·°F)/BTU
24"X24" Windows	3' - 2"	2' - 0"	03 Goose Neck	1' - 2"	1.5394 (h·ft ² ·°F)/BTU
24"X24" Windows	5' - 2"	2' - 0"	03 Goose Neck	3' - 2"	1.5394 (h·ft ² ·°F)/BTU
24"X24" Windows	7' - 0"	2' - 0"	01 Main Deck	5' - 0"	1.5394 (h·ft ² ·°F)/BTU
24"X24" Windows	7' - 0"	2' - 0"	01 Main Deck	5' - 0"	1.5394 (h·ft ² ·°F)/BTU
24"X24" Windows	7' - 0"	2' - 0"	01 Main Deck	5' - 0"	1.5394 (h·ft ² ·°F)/BTU

Furniture Schedule		
Description	Level	Type
Counseling Room Chairs	01 Main Deck	Chair-Task Arms
Counseling Room Chairs	01 Main Deck	Chair-Task Arms
Waiting Room Chairs	01 Main Deck	Chair-Stacking
Waiting Room Chairs	01 Main Deck	Chair-Stacking
Waiting Room Chairs	01 Main Deck	Chair-Stacking

Door Schedule			
Description	Head Height	Thickness	Level
Interior	5' - 11"	0' - 2"	03 Goose Neck
Interior	7' - 0"	0' - 2"	01 Main Deck
Exterior	7' - 0"	0' - 2"	01 Main Deck
Exterior	7' - 0"	0' - 2"	01 Main Deck
Exterior	7' - 0"	0' - 2"	01 Main Deck

Roof Schedule			
Description	Area	Base Level	Thickness
Metal Panels	349 SF	04 Top Wall	0' - 6"

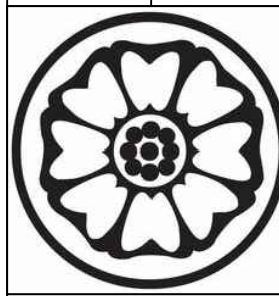
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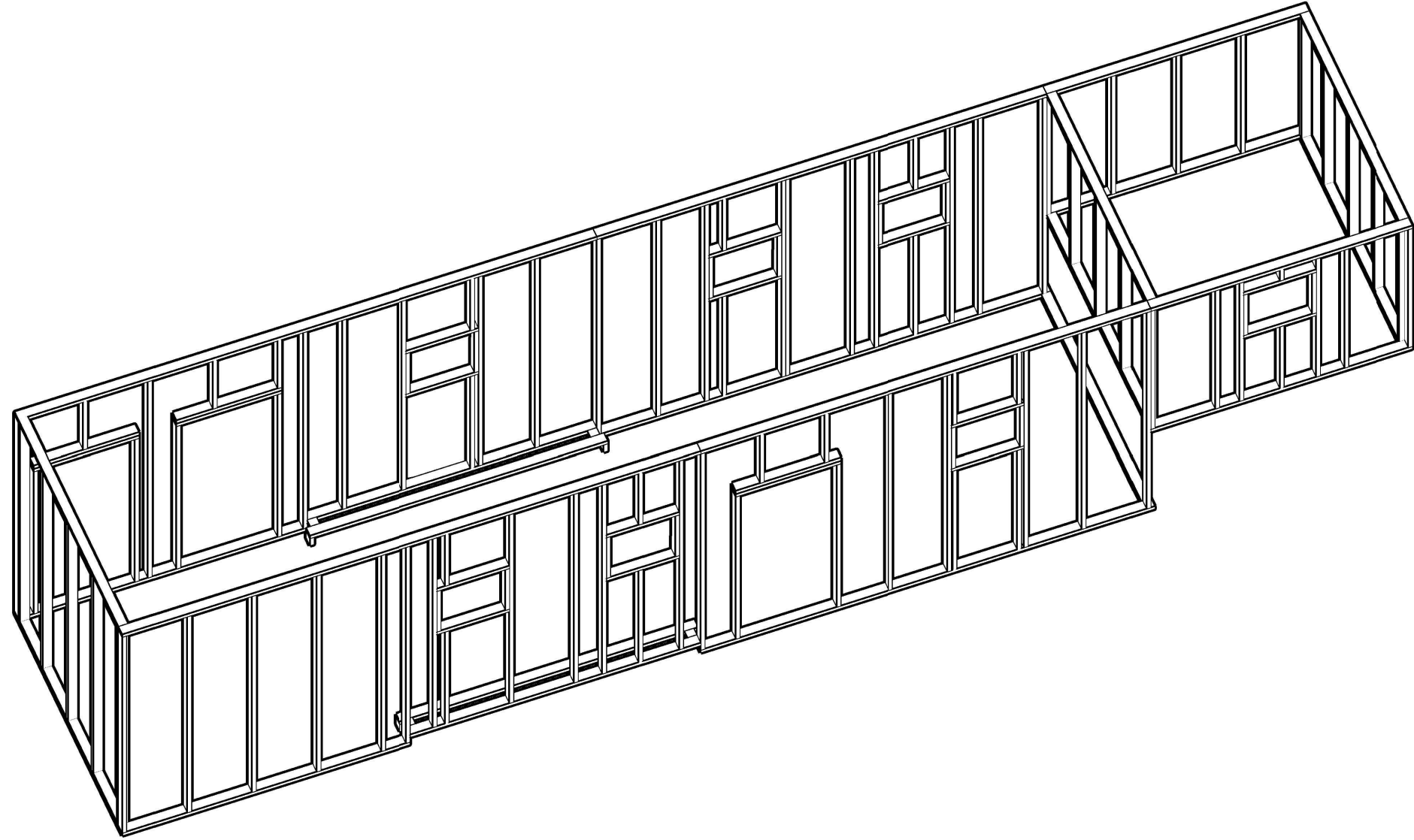
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SCHEDULES



A.5



1 ISOMETRIC VIEW
1:50



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WALL FRAMING

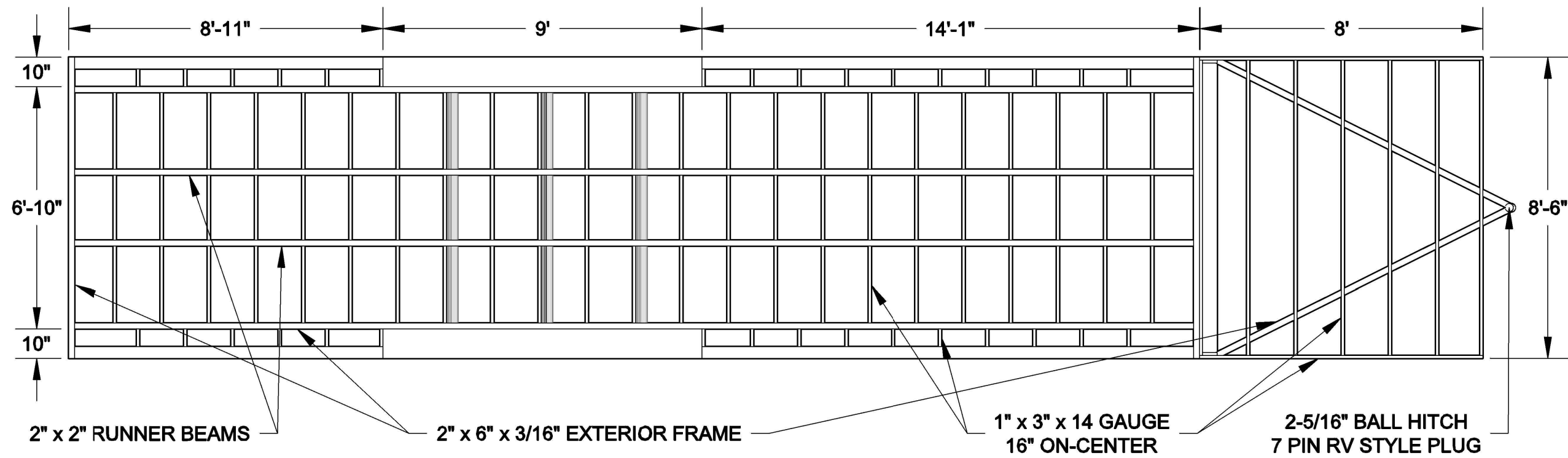
S.1

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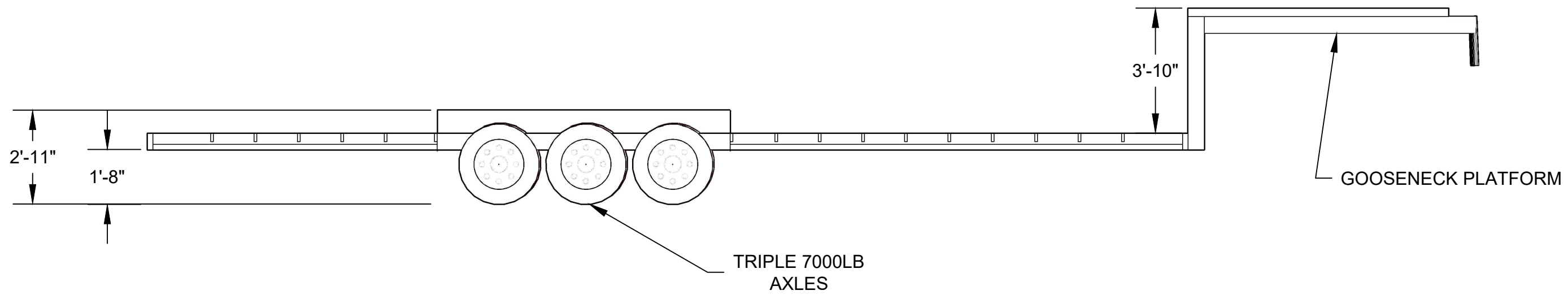
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1 PLAN VIEW
1:40



2 PASSENGER SIDE VIEW
1:40

DATE: 05/07/19
DESIGN BY: EDWIN PEREZ
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TRAILER FRAME

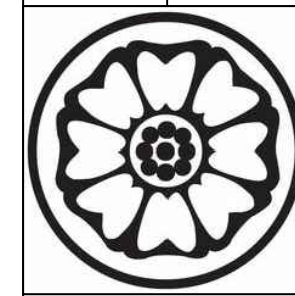


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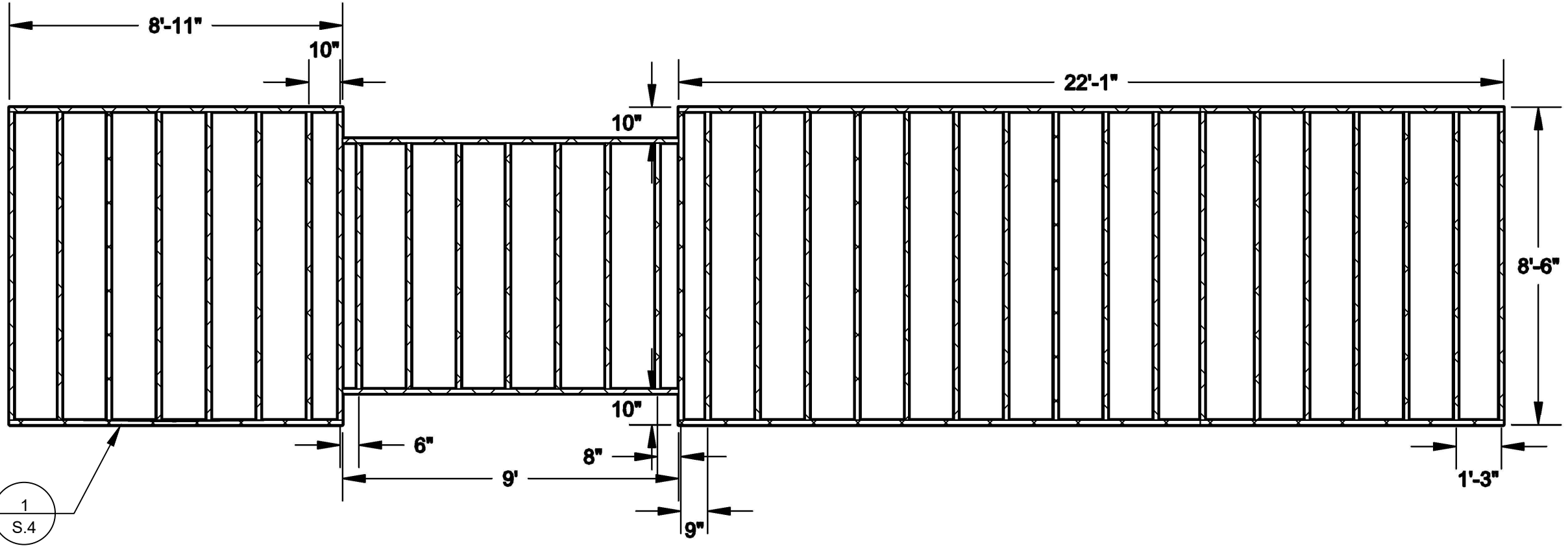
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SUB-FLOOR FRAMING



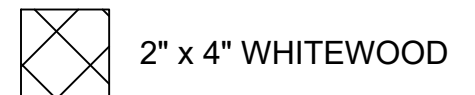
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



GENERAL NOTES

1. 2" x 4" WHITEWOOD
2. 3 1/2" EXTERIOR SCREW FOR 2" x 4" CONNECTIONS
3. SUB-FLOOR SHEATHING CONNECTION DETAIL IS ON S.4
4. 16" TYPICAL FRAMING SPACING UNLESS INDICATED

1 SUB-FLOOR FRAMING
1:40



	2" x 4" WHITEWOOD
	STEEL TRAILER MEMBERS

- GENERAL NOTES
1. SW UNDERSIDE VIEW OF SUB-FLOOR AND TRAILER FRAME CONNECTION
 2. 3/8" GALVANIZED HEX HEAD BOLTS
 3. 3/8" GALVANIZED NUT
 4. BOLT CONNECTIONS ON RUNNER BEAMS LOCATED ON-CENTER

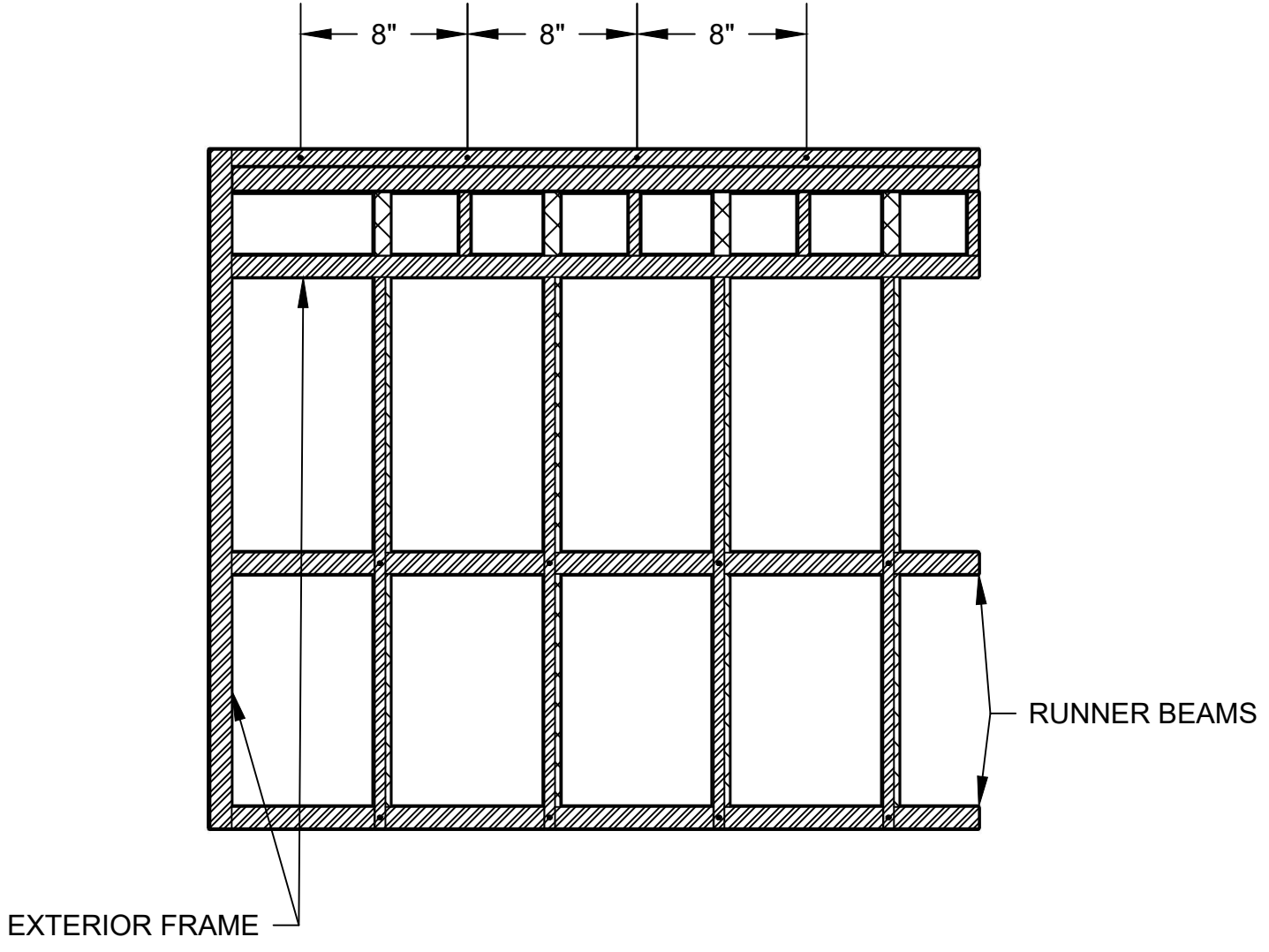
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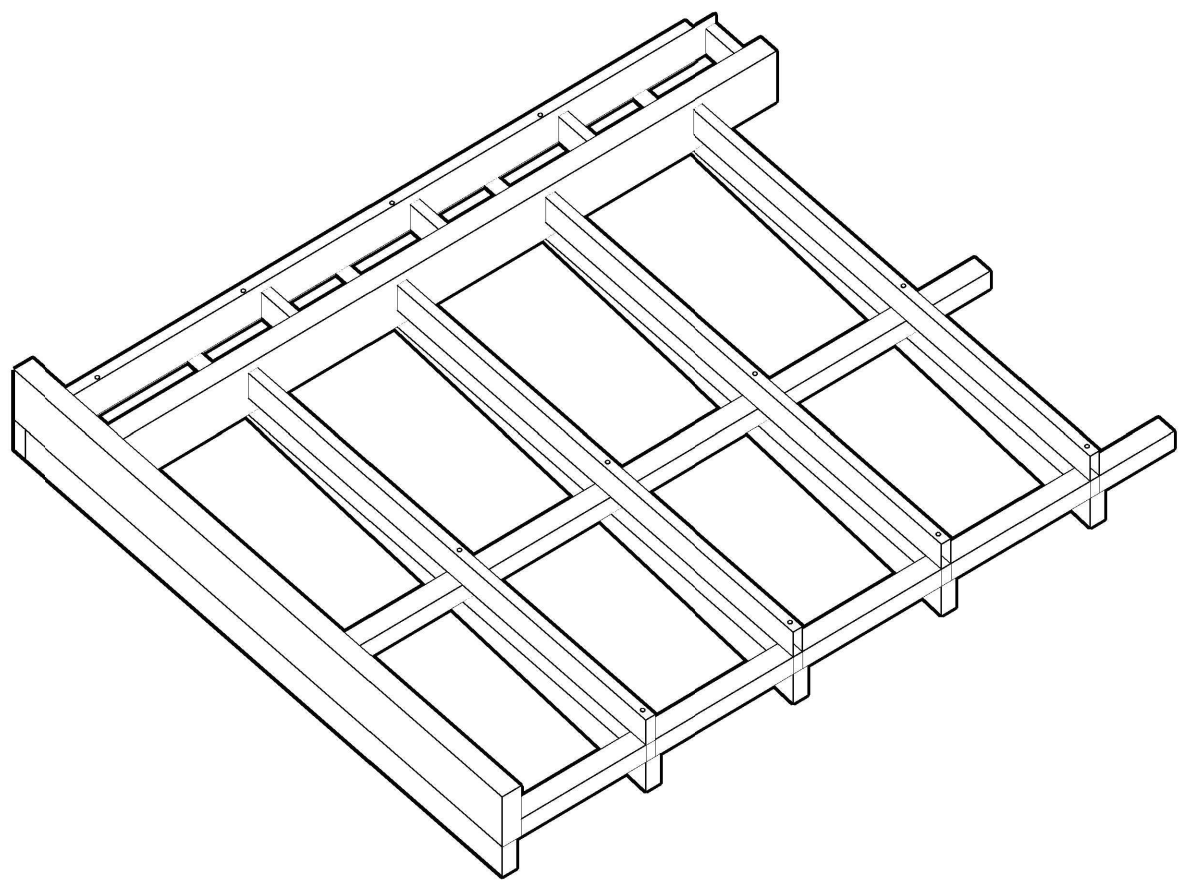
**TINY MOBILE OFFICE
SUB-FLOOR FRAMING**



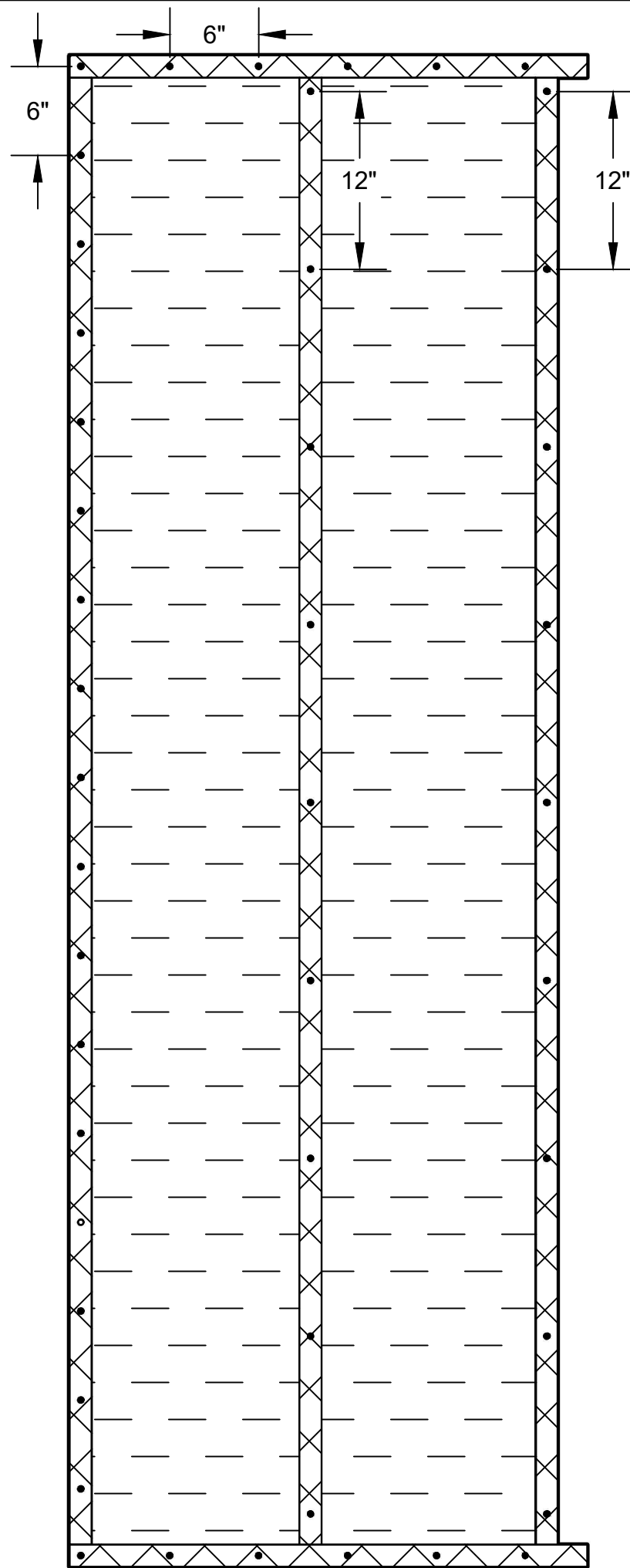
S.4

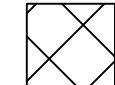
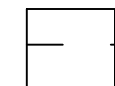


1 SUB-FLOOR/TRAILER FRAME CONNECTION
1:16



2 SUB-FLOOR/TRAILER FRAME 3D VIEW
1:16



	2" x 4" WHITEWOOD
	SUB-FLOOR SHEATHING

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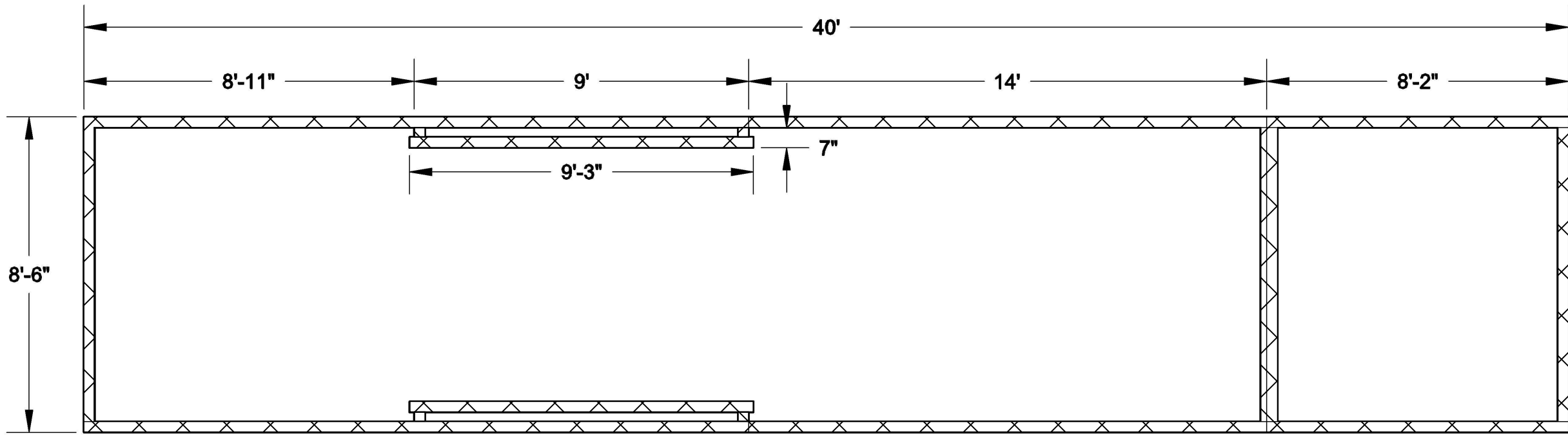
**TINY MOBILE OFFICE
PLYWOOD SHEATHING**





- GENERAL NOTES
1. 23/32" SUB-FLOOR SHEATHING
 2. 15/32" WALL SHEATHING
 3. 2" EXTERIOR SCREWS FOR PLYWOOD SHEATHING
 4. 6" SCREW SPACING ON EDGE OF PLYWOOD SHEATHING
 5. 12" SCREW SPACING ON INTERIOR OF PLYWOOD SHEATHING

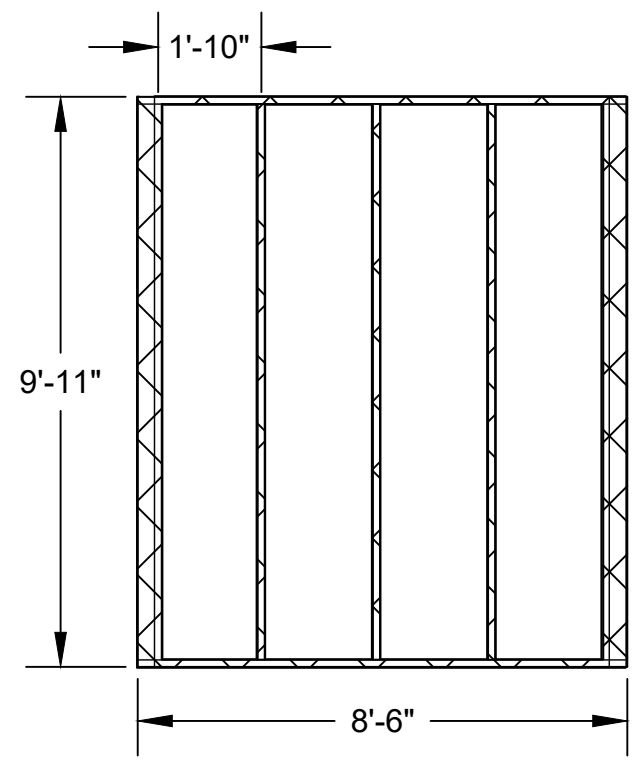
① **PLYWOOD SHEATHING DETAIL**
1:10

S.5



1 PLAN VIEW
1:40

-  2" x 4" WHITEWOOD
-  2" x 4" WHITEWOOD



2 BACK SIDE VIEW
1:40

GENERAL NOTES

1. 2" x 4" WHITEWOOD STUDS
2. 24" TYPICAL STUD SPACING UNLESS INDICATED
3. 2" x 4" CONNECTION DETAIL ON S.8

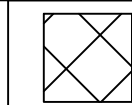
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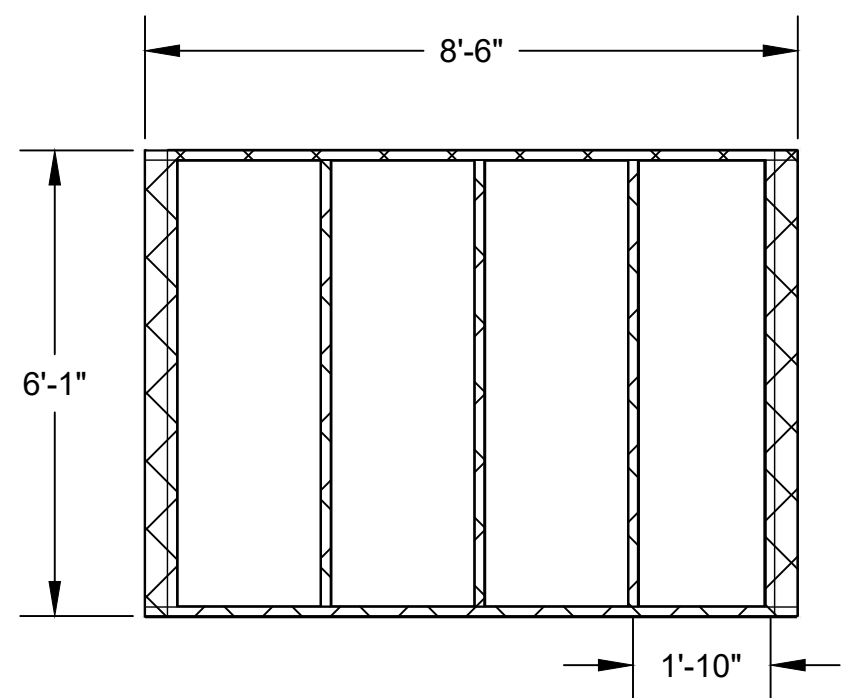
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**TINY MOBILE OFFICE
WALL FRAMING**



S.6

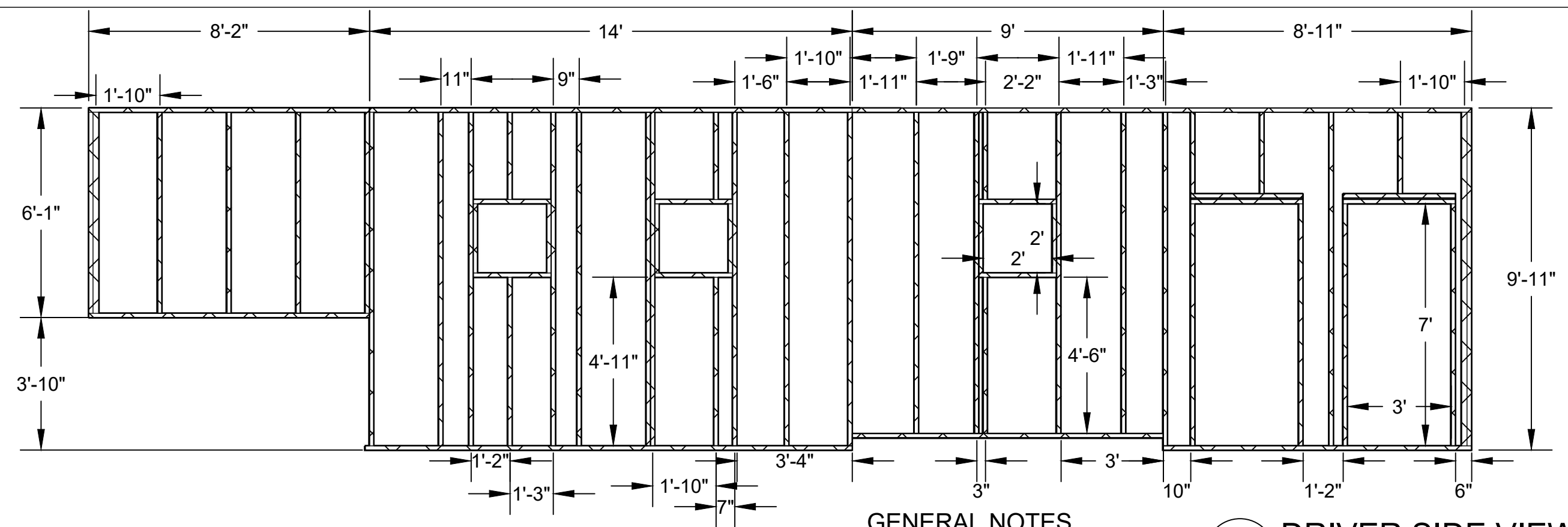
 2" x 4" WHITEWOOD



GENERAL NOTES

1. 2" x 4" WHITEWOOD STUDS
2. 24" TYPICAL STUD SPACING UNLESS INDICATED
3. 2" x 4" CONNECTION DETAIL ON S.8

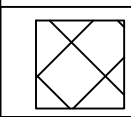
1 FRONT SIDE VIEW
1:30



GENERAL NOTES

1. 2" x 4" WHITEWOOD STUDS
2. 24" TYPICAL STUD SPACING UNLESS INDICATED
3. 2" x 4" CONNECTION DETAIL ON S.8

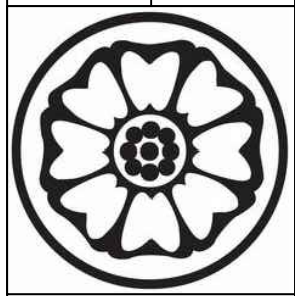
2 DRIVER SIDE VIEW
1:40

 2" x 4" WHITEWOOD

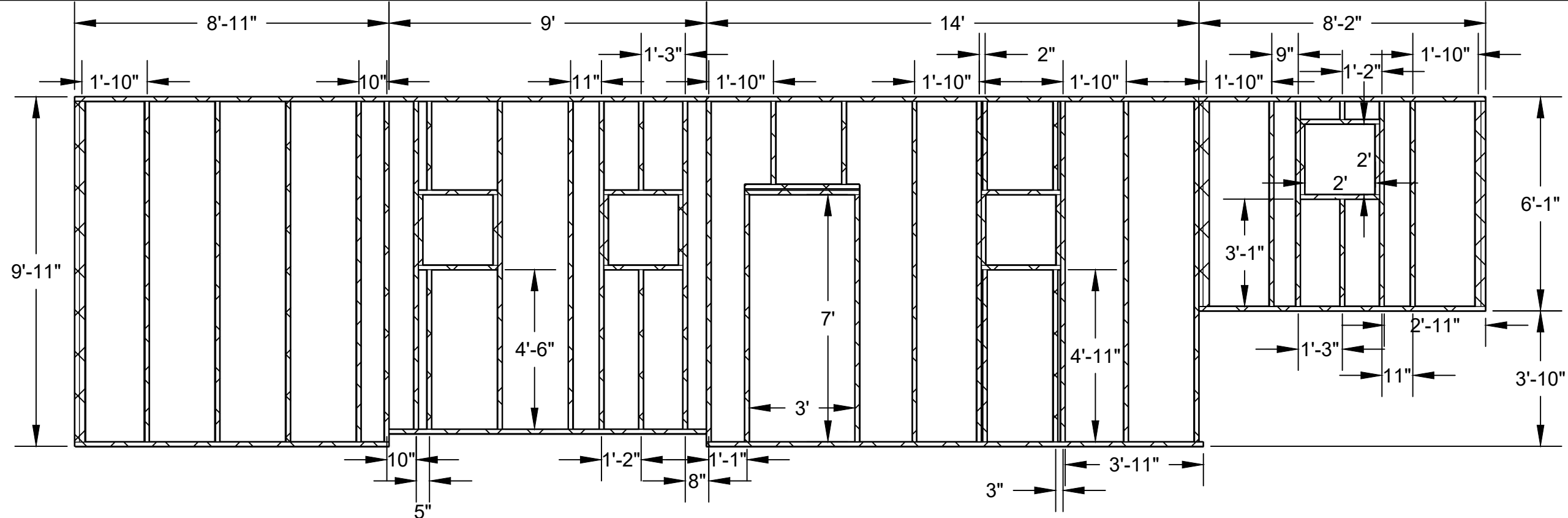
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**TINY MOBILE OFFICE
WALL FRAMING**



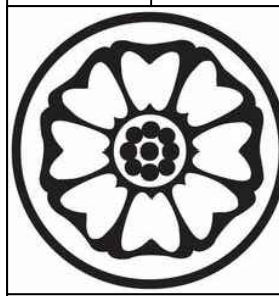
S.7



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TINY MOBILE OFFICE
 WALL FRAMING




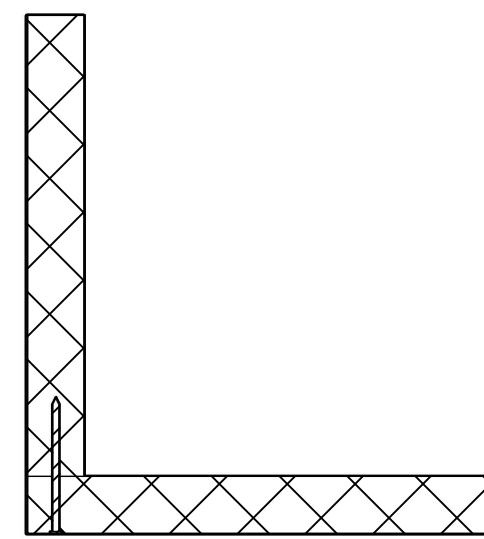
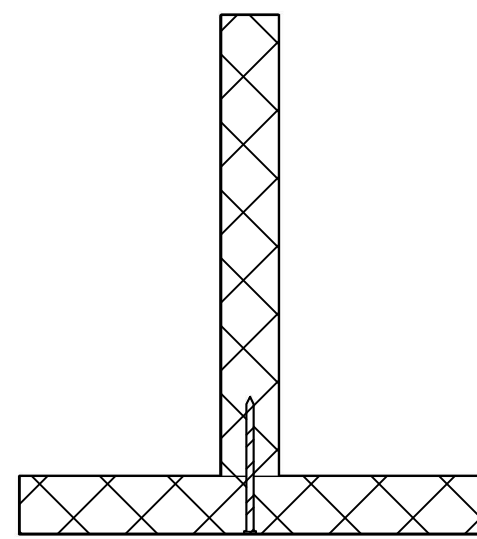
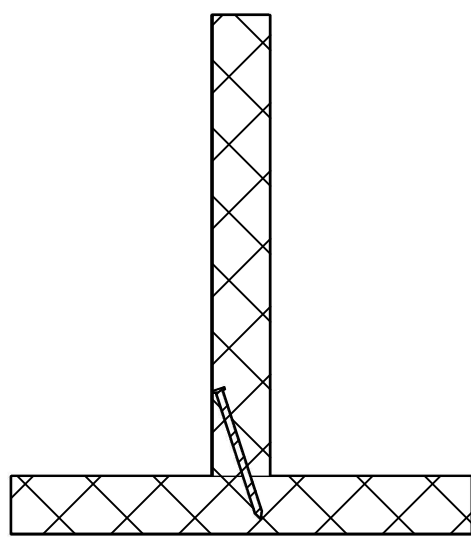
S.8

GENERAL NOTES


1. 2" x 4" WHITEWOOD STUDS
2. 24" TYPICAL STUD SPACING UNLESS INDICATED
3. 2" x 4" CONNECTION DETAIL ON S.8


1 PASSENGER SIDE VIEW
 1:40

 2" x 4" WHITEWOOD



2 2" x 4" CONNECTION DETAIL
 1:5

 SCREWS

 2" x 4" WHITEWOOD

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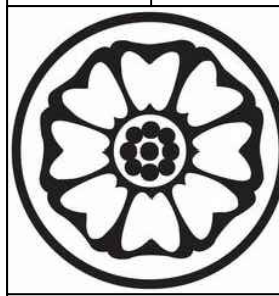
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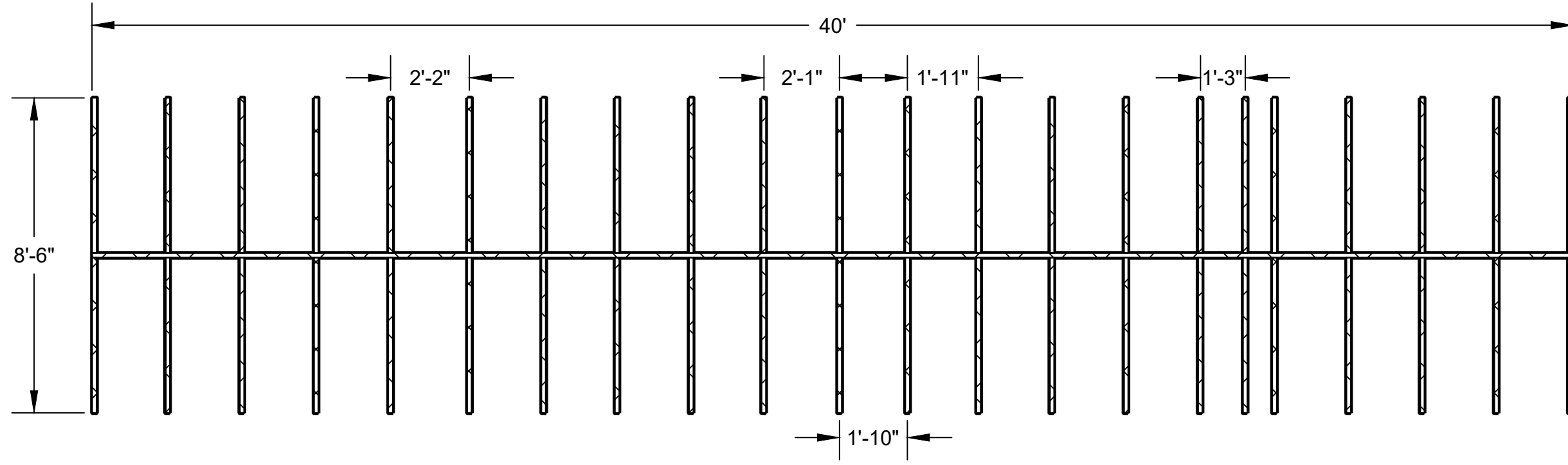
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ROOF FRAMING




S.9

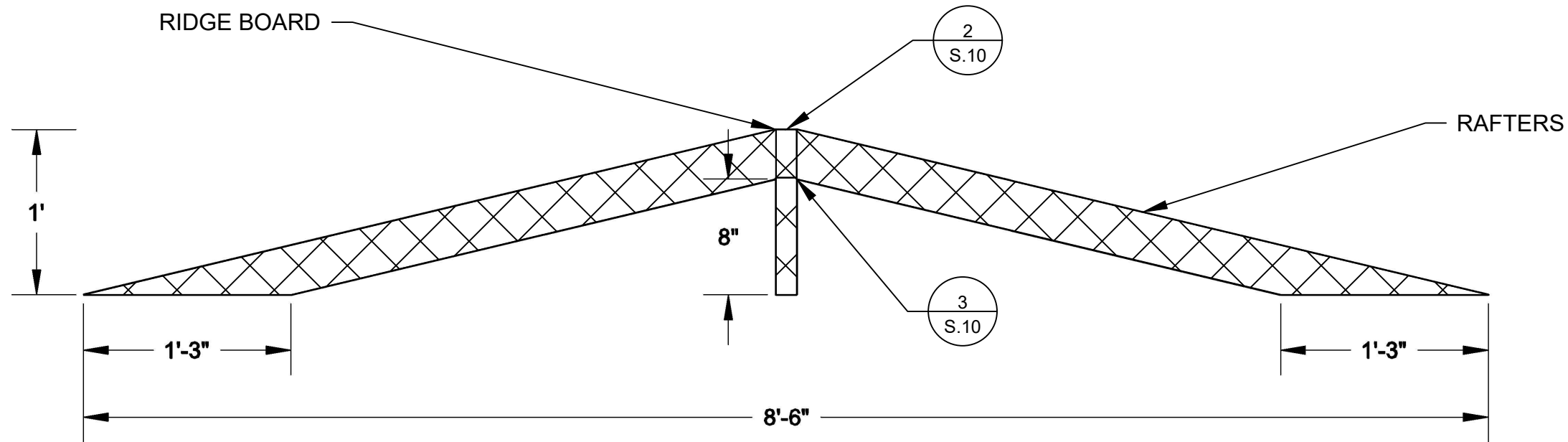


GENERAL NOTES

1. 2" x 4" WHITEWOOD STUDS
2. 24" TYPICAL RAFTER SPACING UNLESS INDICATED
3. 2" x 4" CONNECTION DETAIL ON S.8

1 ROOF FRAMING
1:40

 2" x 4" WHITEWOOD



GENERAL NOTES

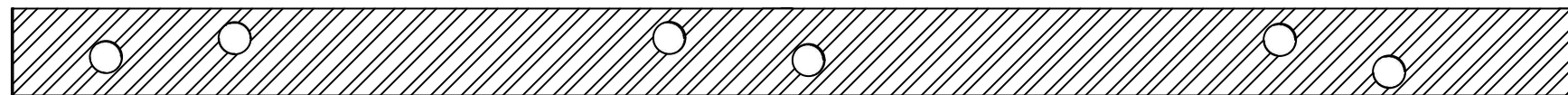
1. 2" x 4" WHITEWOOD
2. RAFTER STRAPPING ON EACH RAFTER OVER RIDGE BOARD

1 FRONT/BACK SIDE VIEW
1:10

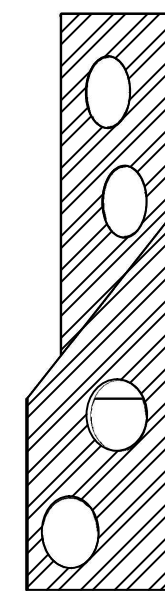
	2" x 4" WHITEWOOD
	STEEL STRAPPING

GENERAL NOTES

1. H2.5A 18-Gauge Stainless-Steel Hurricane Tie (SIMPSON STRONG-TIE)



2 RAFTER STRAPPING
1:2



3 HURRICANE STRAPPING
1:1

GENERAL NOTES

1. MSTA 18 in. 18-Gauge Stainless-Steel Medium Strap Tie (SIMPSON STRONG-TIE)

DATE: 05/07/19

DESIGN BY: EDWIN PEREZ

JOB NO.

DRAWN BY: EDWIN PEREZ

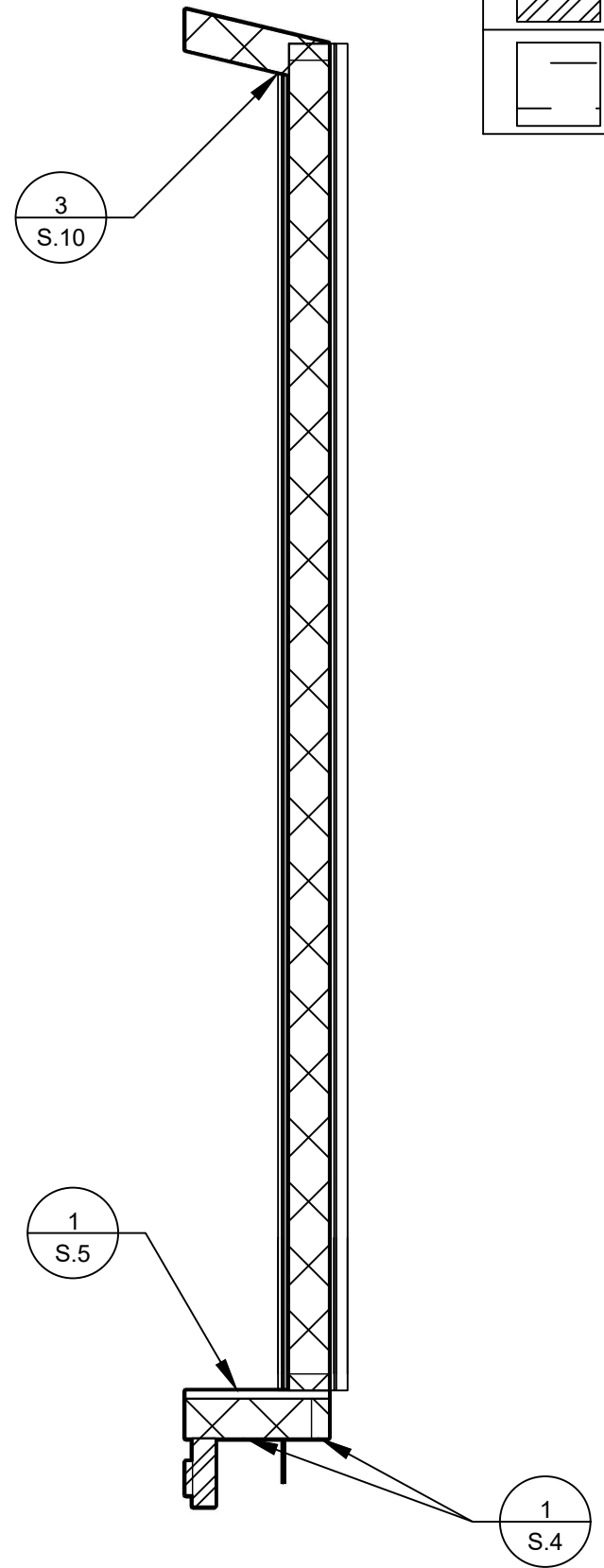
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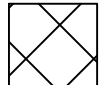
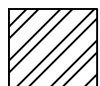
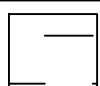
TINY MOBILE OFFICE

ROOF FRAMING

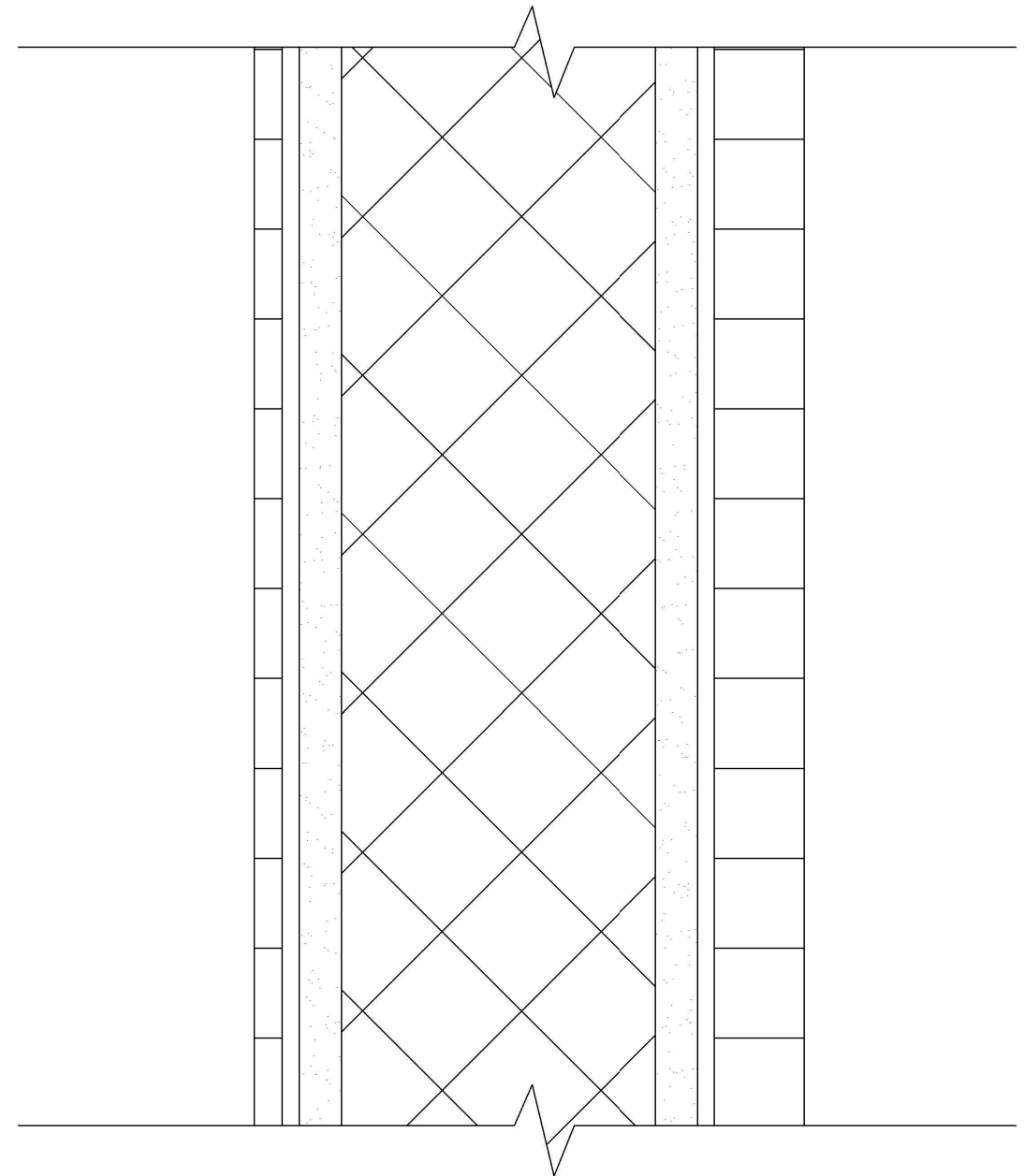






S.10



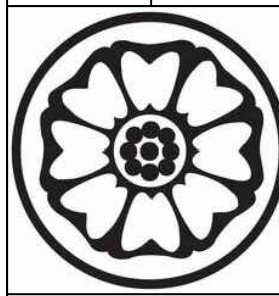
	2" x 4" WHITEWOOD
	STEEL TRAILER MEMBERS
	SUB-FLOOR SHEATHING

1 WALL SECTION
1:16



	WALL UNDERLAYMENT
	2" x 4" WHITEWOOD
	WOOD PANELING
	WALL SHEATHING

2 WALL LAYERS
1:2

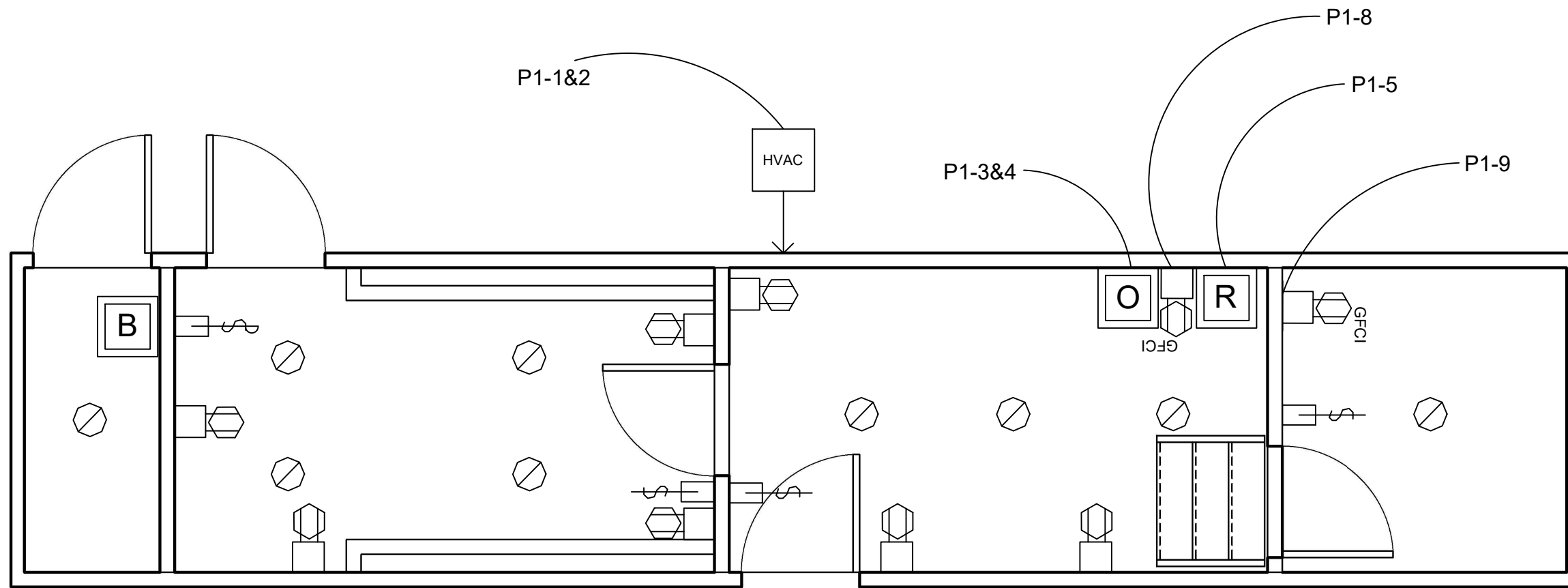


TINY MOBILE OFFICE
WALL SECTION

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DRAWN BY: EDWIN PEREZ
DATE: 05/07/19
JOB NO.

S.11



DESIGN BY: BRET BURKES

DATE: 05/07/19

DRAWN BY: BRET BURKES

JOB NO.

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TINY MOBILE OFFICE

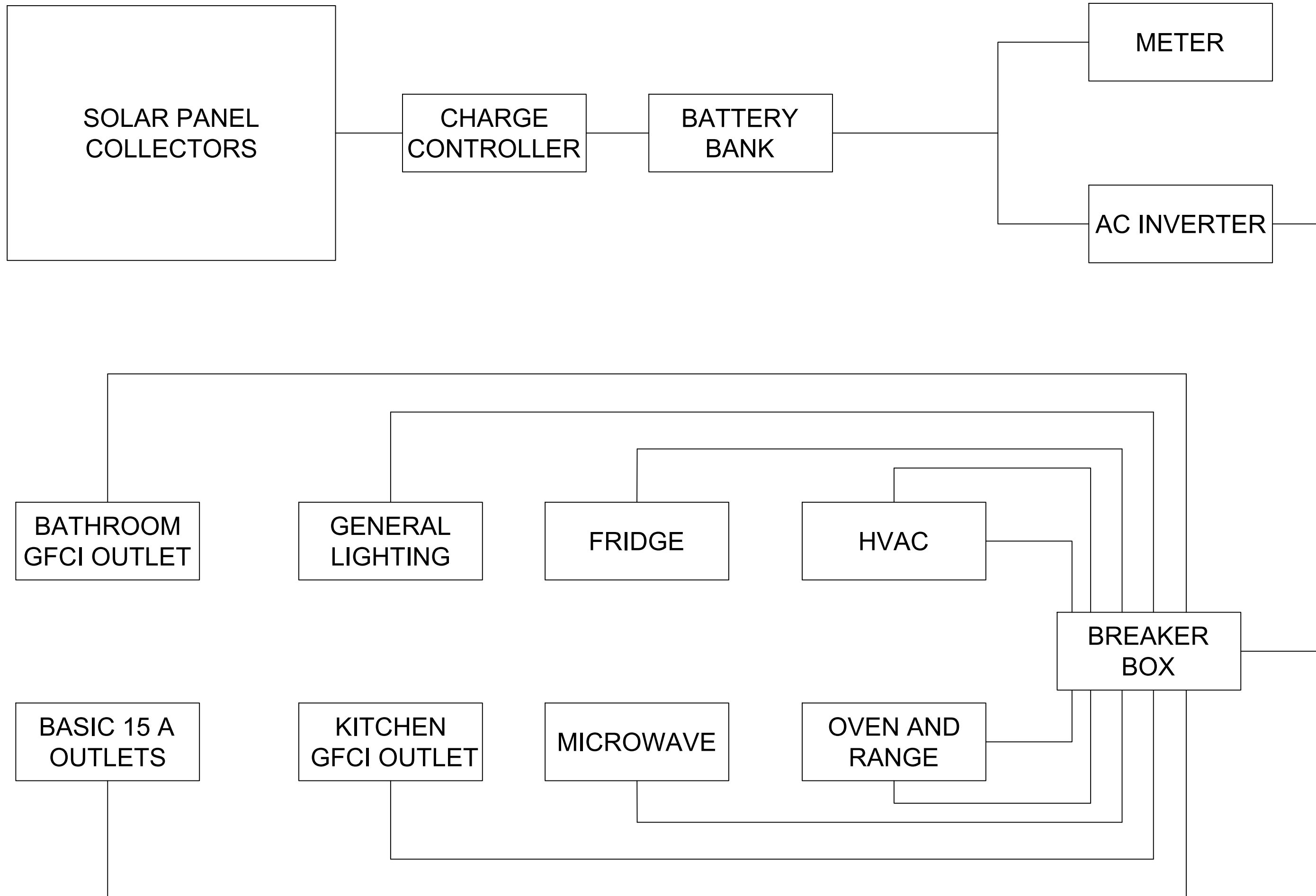
ELECTRICAL FLOOR PLAN



1 ELECTRICAL FLOOR PLAN
1:40

E.1

	REFRIGERATOR
	OVEN & STOVE TOP
	BREAKER BOX
	DUPLEX FLOOR OUTLET
	120V 6-in RECESSED EYEBALL LIGHT
	UNIT HEATER/AIR CONDITIONER
	20A, 120V GFCI RECEPTACLE
	15A, 120V STANDARD RECEPTACLE
	SINGLE POLE SWITCH
	DIMMER SWITCH



DESIGN BY: BRET BURKES

DRAWN BY: BRET BURKES

DATE: 05/07/19

JOB NO.

TINY MOBILE OFFICE

ELECTRICAL DIAGRAM



E.2

ELECTRONIC FIXTURE SCHEDULE

FIXTURE ID	FIXTURE COUNT	SWITCH ID	CIRCUIT NUMBER	DESCRIPTION	VOLTAGE	WATTS	MANU.	MODEL	LAMP	COMMENTS
Light	9	6"RL	P1-7	6 inch recessed light	7.8 V	117 W	Lithonia	WF6		LEDs Recommended
Oven	1	O&R	P1-3&4	Electric oven and range top	120 V	2400 W	Danby	20" Single		2.3 cu. ft, in black
Microwave	1	MW	P1-6	700 W Microwave Oven	46.7 V	700 W	LG			Make sure color fits
Fridge	1	RFG	P1-5	Top Freezer Refrigerator	72 V	1080 W	Whirlpool	10.7 cu. ft.		Monochromatic Steel
HVAC	1	HVAC	P1-1&2	Ductless Heat Pump System	55 V	1100 W	Mitsubishi	MZ-GL12		23.1 SEER

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DATE: 05/07/19

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TINY MOBILE OFFICE

FIXTURE SCHEDULE



BRANCH PANEL: OFFICE SPACE

LOCATION:
 SUPPLY FROM: MAIN
 MOUNTING: GROUND
 ENCLOSURE: CLOSET

VOLTS:
 PHASES:
 WIRES:

A.I.C. RATING:
 MAINS TYPE:
 MAINS RATING:
 MCB RATING:

NOTES:

CKT	SCHEDULE CIRCUIT NOTES	TRIP	POLES	A	B
P1-1	HVAC	30 A	2	550 W	
P1-2	--	--	--		550 W
P1-3	Oven & Range	30 A	2	1200 W	
P1-4	--	--	--		1200 W
P1-5	Refrigerator	20 A	1	1080 W	
P1-6	Microwave	20 A	1		700W
P1-7	General Lighting	20 A	1	117 W	
P1-8	GFCI Kitchen Outlet	20 A	1		215 W
P1-9	GFCI Bathroom Outlet	15 A	1	175 W	
P1-10	Basic Outlets	15 A	1		123 W
P1-11					
P1-12					
P1-13					
P1-14					
P1-15					
P1-16					
				3122 W	2788 W

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DATE: 05/07/19

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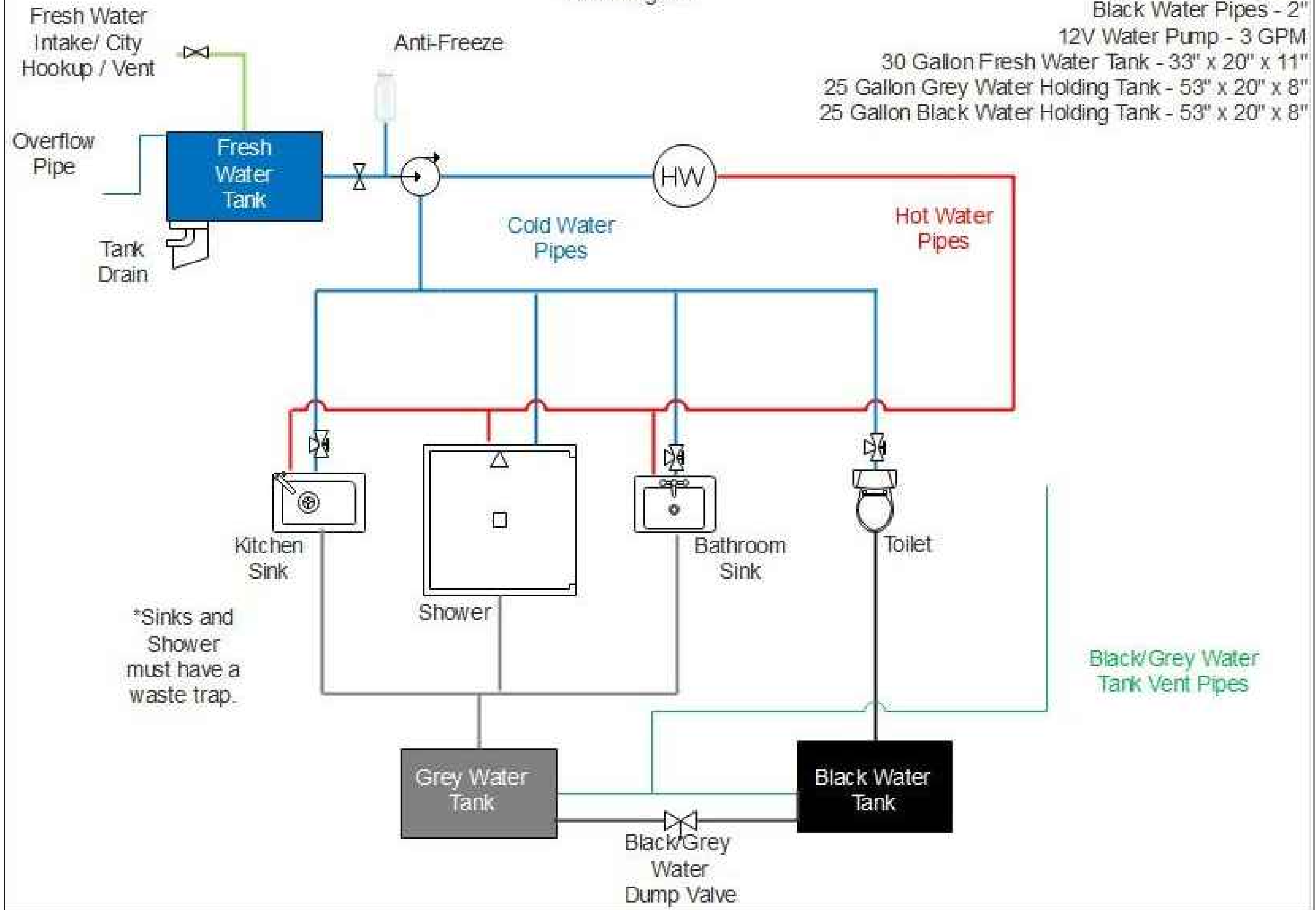
PANEL SCHEDULE



E.4

Tiny Mobile Office - Plumbing Flow Diagram

- Cold and Hot Water Pipes - 1/2"
- Grey Water Pipes - 2"
- Black Water Pipes - 2"
- 12V Water Pump - 3 GPM
- 30 Gallon Fresh Water Tank - 33" x 20" x 11"
- 25 Gallon Grey Water Holding Tank - 53" x 20" x 8"
- 25 Gallon Black Water Holding Tank - 53" x 20" x 8"



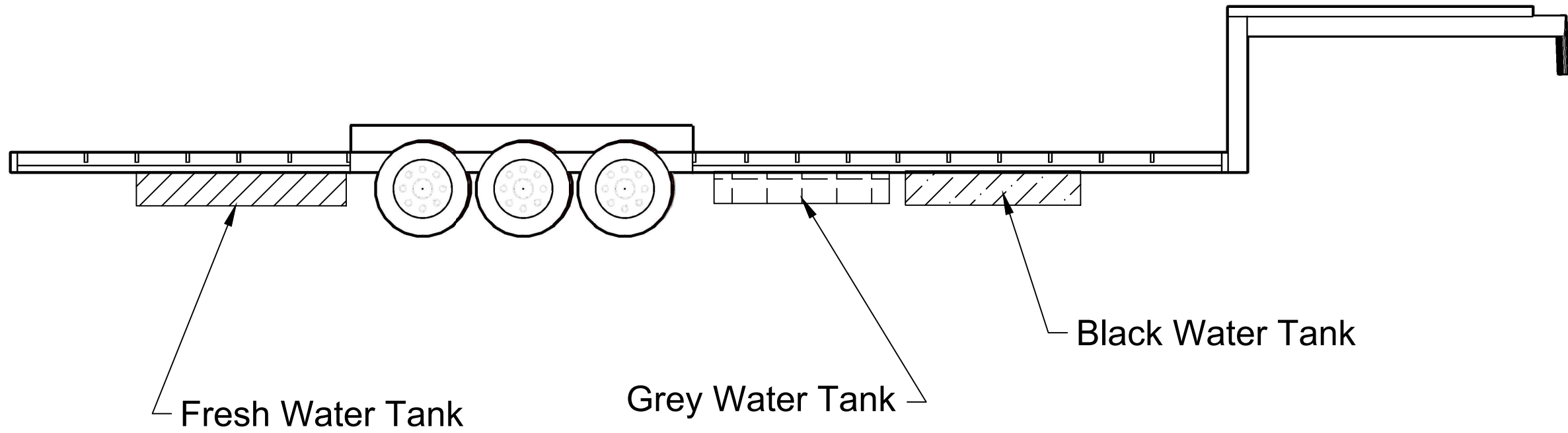
DATE: 05/07/19
DESIGN BY: DANIELLE YAMSON
DRAWN BY: DANIELLE YAMSON

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**TINY MOBILE OFFICE
PLUMBING DIAGRAM**



P.1



GENERAL NOTES

- 1. 30 GALLON FRESH WATER TANK
- 2. 25 GALLON GREY WATER TANK
- 3. 25 GALLON BLACK WATER TANK

1 TANK PLACEMENTS
1:40

DESIGN BY: DANIELLE YAMSON	DATE: 05/07/19
DRAWN BY: DANIELLE YAMSON	JOB NO.

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**TINY MOBILE OFFICE
TANK PLACEMENTS**



P.2