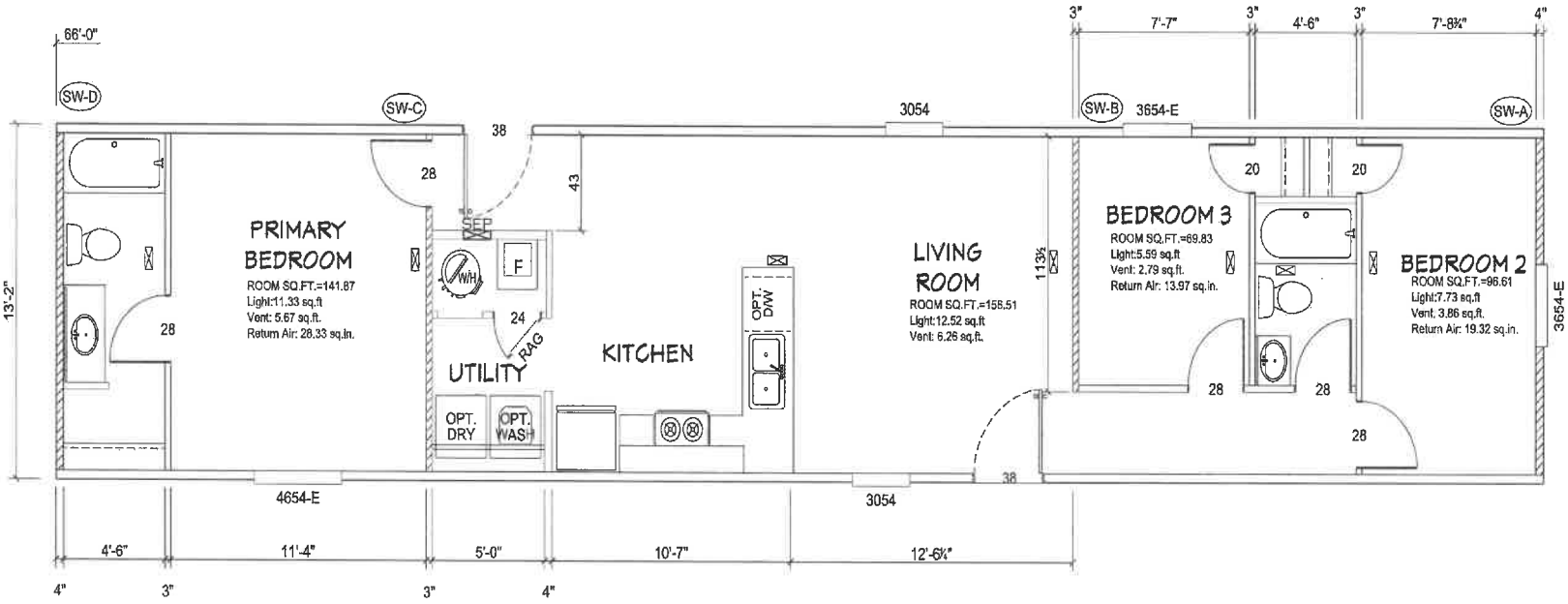


TRU 1HBG CALC

Model # TRU-1466-32-1 — Minimum Joist Spacing 16"
Box Width = 158" Single wide — No Offset Box
Box Length = 66 ft. 99.5" 12" MINIBEAM — No Clerestory
No Skylights — No Origami Dormer
No Porches — No Sunken Floor
Joist Size = #2 sp 2x6 Lags 9/16x2" — No Parapet Roof

Version R14.00

Wind Zone 1 Standard Roof			7/16" Rated Sheathing and Ceiling Board with 15 ga staple @ 6/12 (286.315) Chords: 2x4 SPF #3 Top Plate spliced w/2x4 MCP & 2x3 SPF Rail spliced w/ 2x4 MCP				96 inch sidewall
Diaphragm Construction:						Block Dist. X=0'	
Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0'	109.5"	250	2	2/2	Split Shearwall	54.75/54.75
D	66'	112"	250	2	2/1		
Wind Zone 2 Standard Roof			7/16" Rated Sheathing and Ceiling Board with 15 ga staple @ 6/12 (286.315) Chords: 2x4 SPF #3 Top Plate spliced w/2x4 MCP & 2x3 SPF Rail spliced w/ 2x4 MCP				96 inch sidewall
Diaphragm Construction:						Block Dist. X=0.5'	
Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0'	109.5"	250	2	2/2	Split Shearwall	54.75/54.75
B	20.77"	104"	520	6	4/1		
C	49.46"	112"	520	4	4/2		
D	66'	96"	162	2	1/1		
Wind Zone 3 Standard Roof			7/16" Rated Sheathing and Ceiling Board with 15 ga staple @ 6/12 (286.315) Chords: 2x4 SPF #3 Top Plate spliced w/2x4 MCP & 2x3 SPF Rail spliced w/ 2x4 MCP				96 inch sidewall
Diaphragm Construction:						Block Dist. X=2.1'	
Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	
A	0'	109.5"	250	2	2/2	Split Shearwall	54.75/54.75
B	20.77"	108"	520	6	4/2		

MP-14.TRU-1466-32-1.0.100

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

MP-14.TRU-1466-32-1.0.100

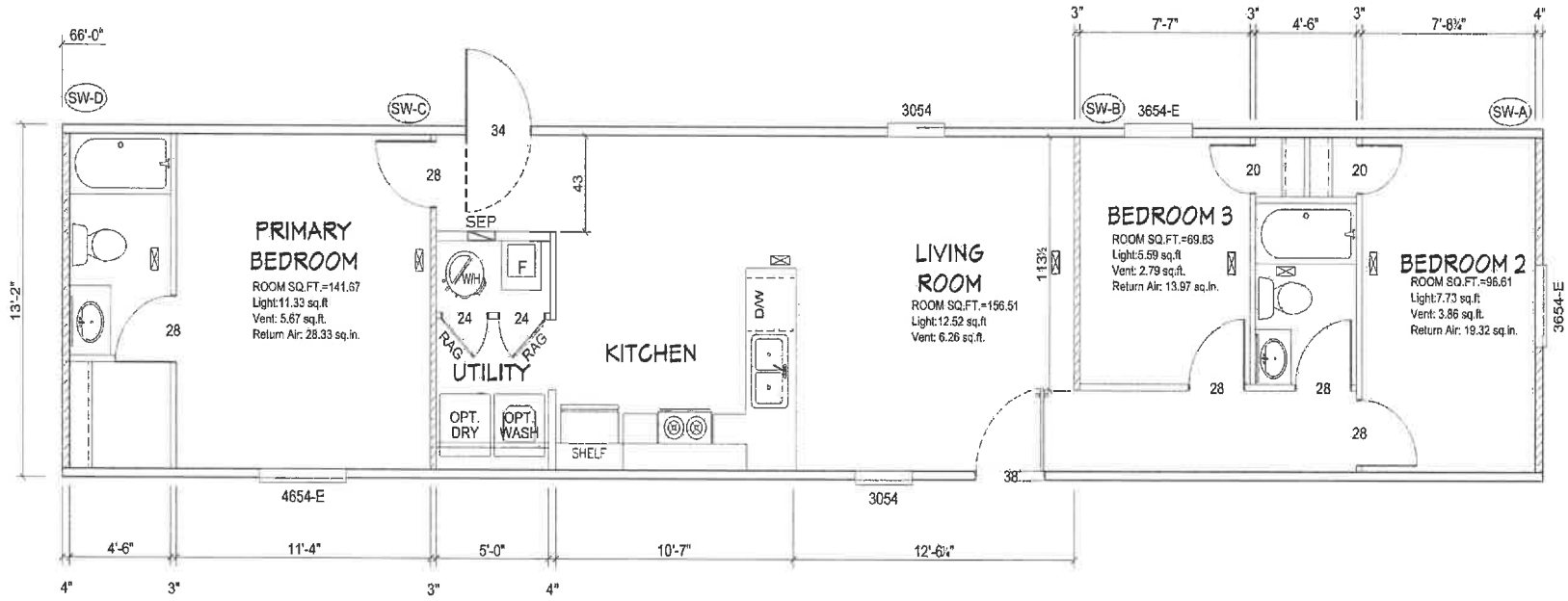
Clayton Built

DATE
REVISION

MODEL NAME: Hickory
MODEL NO.: TRT14663H
BOX SIZE: 14' x 66'
MODEL SQ. FT.: 869

DRAWN BY: Dustin Harville
DATE DRAWN: 1/8/2025
DATE PRINTED: 9/10/2025
SCALE: 3/16"=1'
* UNLESS OTHERWISE NOTED
PLAN NO.: TRU-1466-32-1
SHEET NAME: FLOOR PLAN
SHEET NO.: FP-0

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TRU AL CALC

Model # TRU1466-32-1
Box Width = 158 " Single wide
Box Length = 66 ft. 99.5" 12" MIN.IBEAM
No Skylights
No Porches
Joist Size = #2 spf 2x6 Lags 9Mx3"

Minimum Joist Spacing 16 "
No Offset Box
No Clorestory
No Origami Dormer
No Sunken Floor
No Parapet Roof

Version R13.20

Wind Zone 1 Standard Roof — 7/16" sheathing only with 10d @ 12 o/c — 6" inch sidewall — 2"12 on Chords 2x4 SPF #3 Top Plate — Openings Construction — Each End of Roof

Shearwall	Dist.f Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	113.5 "	210	2	2/2	Split Shearwall	56.75/56.75
D	66 "	100 "	210	2	2/1		

Wind Zone 2 Standard Roof — 7/16" sheathing only with 10d @ 12 o/c — 6" inch sidewall — 2"12 on Chords 2x4 SPF #3 Top Plate — Openings Construction — Each End of Roof

Shearwall	Dist.f Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	113.5 "	210	2	2/2	Split Shearwall	56.75/56.75
B	20.77 '	104 "	415	3	3/1		
C	49.46 '	112 "	350	2	3/1		
D	66 "	88 "	210	2	2/1		

Wind Zone 3 Standard Roof — 7/16" sheathing only with 10d @ 12 o/c — 6" inch sidewall — 2"12 on Chords 2x4 SPF #3 Top Plate — Openings Construction — Each End of Roof

Shearwall	Dist.f Hitch	Length	PLF	# of Joists	Lags	Notes
A	0 '	113.5 "	210	2	2/2	Split Shearwall 56.75/56.75
B	20.77 '	128 "	415	2	4/1	
C	49.46 '	88 "	510	6	3/1	
D	66 '	88 "	210	2	2/1	

MP-14.TRU-1466-32-1.1

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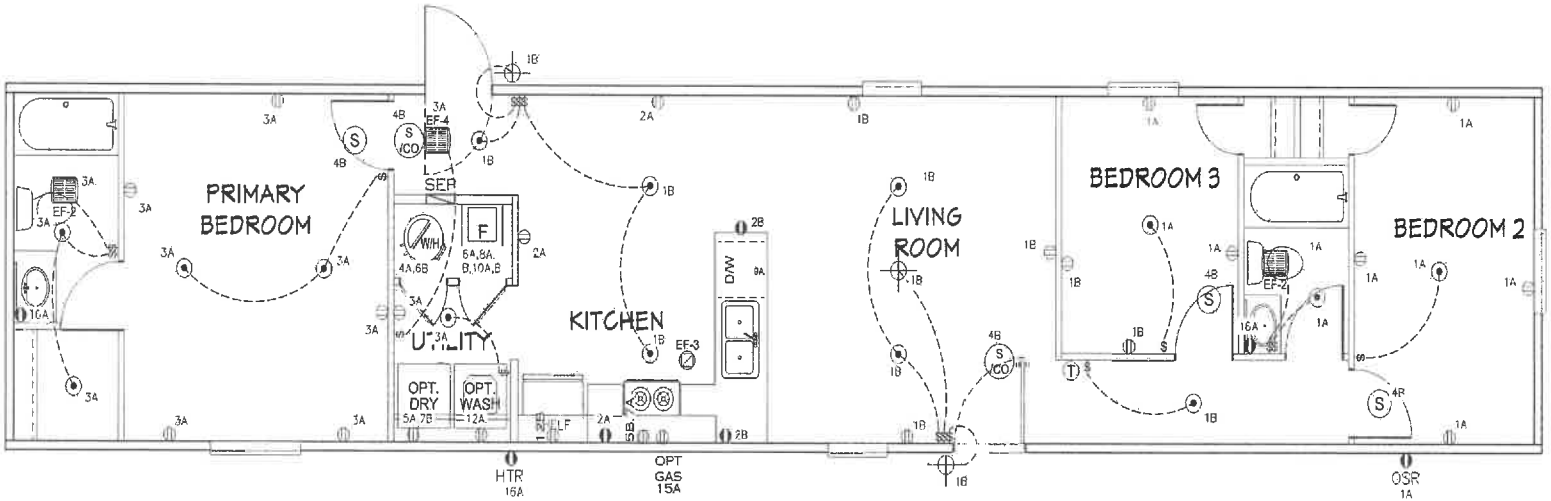
Clayton Built

DATE
REVISION

MODEL NAME: NEED NAME
MODEL NO.: TRS14663"2"
BOX SIZE: 14' x 66'
MODEL SQ. FT.: 869

DRAWN BY: Dustin Harville
DATE DRAWN: 1/8/2025
DATE PRINTED: 2/10/2025
SCALE: 3/16"=1'
PLAN NO.: TRU-1466-32-1
SHEET NAME: FLOOR PLAN
SHEET NO.: FP-1

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NOTES:

1. ALL CIRCUITS SHOWN ARE FOR REFERENCE AND MAY BE CHANGED BASED ON OPTIONAL COMPONENTS INSTALLED IN THE HOME.
2. REFER TO DAPIA MANUAL FOR SYMBOL CHART.
3. EITHER LIGHT OR RECEPTACLE MUST CONNECT TO SWITCH.
4. EF-1= 50 CFM EXHAUST FAN REQUIRED FOR THERMAL ZONE III THERMAL ZONES I & II MAY USE FAN OR WINDOW W/1.5 SQ. FT. OPENABLE GLASS.
5. EF-2= 50 CFM EXHAUST FAN REQUIRED THERMAL ZONE I, II, AND III.
6. EF-3= 100 CFM RANGE EXHAUST FAN, SWITCH AT HOOD.
7. EF-4= WHOLE HOUSE VENTILATION REQUIREMENTS PER DAPIA MANUAL.
8. REFER TO DAPIA MANUAL OR THE MFG. INSTALLATION INSTRUCTIONS FOR PROPER WIRE SIZE AND BREAKER SIZE FOR SPECIFIC APPLIANCE AND MODEL BEING INSTALLED.
9. ALL SMOKE ALARMS TO BE LOCATED ON THE CEILING.
10. CARBON MONOXIDE ALARMS ARE ONLY REQUIRED WHEN HOME HAS EITHER FUEL BURNING APPLIANCES, IS GARAGE READY OR IS BASEMENT READY. REFERENCE DAPIA MANUAL FOR ADDITIONAL INFORMATION.
11. DIMENSIONS SHOWN ON PRINT ARE APPROXIMATE AND TO BE USED ONLY AS A GUIDELINE.

CIRCUIT	CIRCUIT #	WIRE	BREAKER
LIGHT/RECEP	1A,3A,13B,14A	14-2	15-SP
LIGHT/RECEP	1B,3B,14B	14-2	15-SP
KITCHEN	2A,2B	12-2	20-SP
WASHER	12A	12-2	20-SP
RANG HOOD/ MICROWAVE	15B	SEE NOTE #8	
OPT. GAS RANG	15A	SEE NOTE #8	

CIRCUIT	CIRCUIT #	WIRE	BREAKER
DRYER	5A,7B	SEE NOTE #8	
WATER HEATER	4A,6B	SEE NOTE #8	
RANGE	5B,7A	SEE NOTE #8	
FURNACE	6A,8A,B,10A,B	SEE NOTE #8	
OPT D/WASH	9A	SEE NOTE #8	
SMOKE/CO DECT.	4B	SEE NOTE #8	
REFER	12B	SEE NOTE #8	

CIRCUIT	CIRCUIT #	WIRE	BREAKER
BATHROOM	16A	12-2	20-SP
OPT G/DISP	9B	SEE NOTE #8	
OPT SPA/ WP/JAC	11A,B	SEE NOTE #8	
FREEZER	13A	SEE NOTE #8	
OPT ELEC. FIREPLACE	16B	SEE NOTE #8	

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

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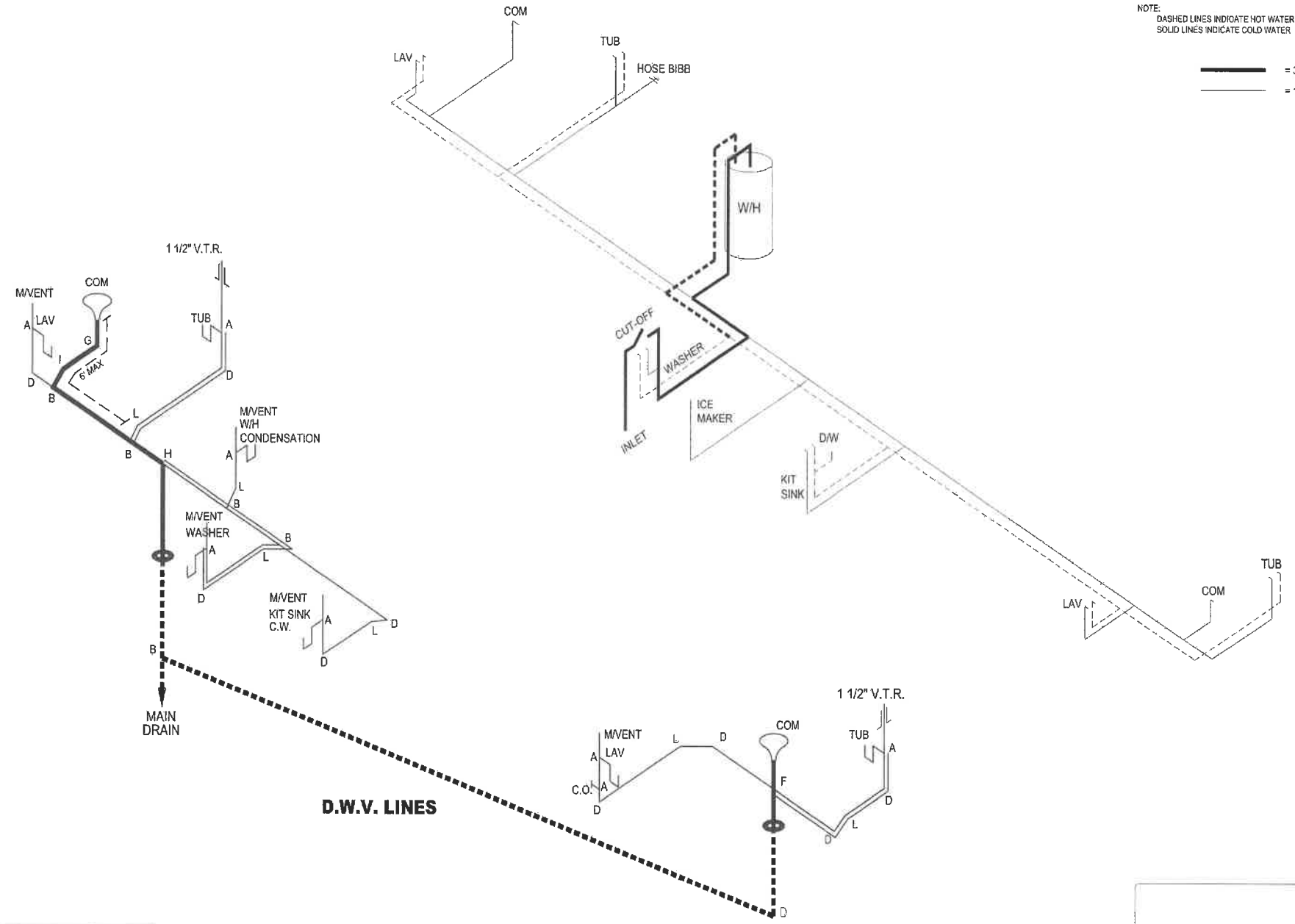
Clayton Built

REVISION
DATE

MODEL NAME: NEED NAME
MODEL NO.: TRS14663"?"
BOX SIZE: 14' x 66'
MODEL SQ. FT.: 869

DRAWN BY: Dustin Harville
DATE DRAWN: 1/8/2025
DATE PRINTED: 2/11/2025
SCALE: 3/16"=1' *UNLESS OTHERWISE NOTED
PLAN NO.: TRU-1466-32-1
SHEET NAME: ELEC. PLAN
SHEET NO.: EL-1

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D.W.V. LINES

	LEGEND
A	SHORT TURN T-Y
B	LONG TURN T-Y
C	1/4 BEND
D	LONG SWEEP 1/4 BEND
E	45 ELL
F	DBL. SANITARY TEE
G	4x3 CLOSET ELL
H	DOUBLE ELL
I	22 1/2° ELL
J	45° Y
K	LONG TURN STREET ELBOW

DWV LINE SIZE CHART	
	= 3"
	= 2"
	=1 1/2"

MP-14 TRU-1466-32-1 3

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Clayton Built

DATE
REVISION

MODEL NAME: NEED NAME
MODEL NO.: TRS14663"2"
BOX SIZE: 14' x 66'
MODEL SQ. FT.: 869

DRAWN BY: Dustin Harville
DATE DRAWN: 1/8/2025
DATE PRINTED: 2/7/2025
SCALE: 3/16"=1'
PLAN NO.: TRU-1466-32-1
SHEET NAME: D.W.V. & SUPPLY
SHEET NO.: PI -1

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LEGEND	
SYM	FITTINGS
A	TEE
B	90 ELL
⧖	VALVE
C	CAP

APPLIANCE BTU's RATINGS MAX. INPUT

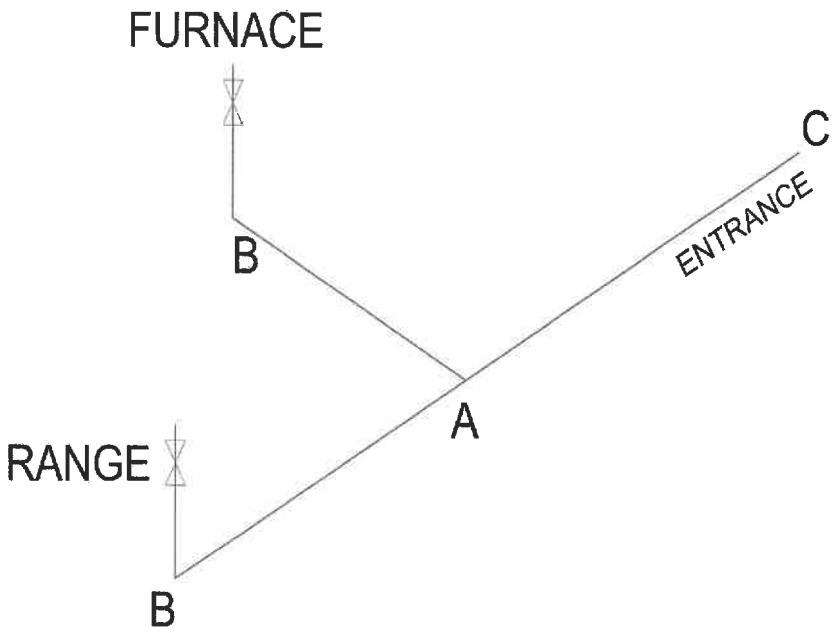
FURNACE	60,000	BTU'S
W/H	N/A	BTU'S
RANGE	52,000	BTU'S
DRYER	N/A	BTU'S

GAS LINE SIZE CHART

— = 1"

------ =3/4"

MDL= 17'



NOTES:

ALL PIPE IS 3/4" I.D.CAST
(EXCEPT WHERE NOTED OTHERWISE)
MDL=MAX. DETERMINED LENGTH OF PIPE
FITTING MAY BE ADDED OR SUBTRACTED TO TRAVERSE VARIATIONS IN AXLE QUANTITY, PLACEMENT, AND FRAME TYPE. INLET LOCATION MAY VARY TO STAY WITHIN MAX. DETERMINED LENGTH

MP-14.TRU-1466-32-1.4

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Clayton Built

DATE

REVISION

MODEL NAME: NEED NAME
MODEL NO.: TRS14663"?"
BOX SIZE: 14' x 66'
MODEL SQ. FT.: 869

DRAWN BY: Dustin Harville

DATE DRAWN: 1/8/2025

DATE PRINTED: 2/7/2025

SCALE: 3/16"=1'
*UNLESS OTHERWISE NOTED

PLAN NO.: TRU-1466-32-1

SHEET NAME: GAS LINES

SHEET NO.: PI -4

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wrightsoft

Manual S Compliance Report
Entire House
Clayton Homes

Job: TRU-1466-32-1-FDJ
Date: 2/10/25
By: JH

5000 Clayton Road, Maryville, TN 37804 Phone: 865-380-3000

Project Information

For: TRU-1466-32-1, TRU

Cooling Equipment

Design Conditions

Outdoor design DB:	90.4°F	Sensible gain:	10975	Btuh	Entering coil DB:	76.6°F
Outdoor design WB:	73.3°F	Latent gain:	2964	Btuh	Entering coil WB:	63.7°F
Indoor design DB:	75.0°F	Total gain:	13939	Btuh		
Indoor RH:	50%	Estimated airflow:	580	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP
Manufacturer: Smart Comfort Model: R4H5S18*K*AAA*+FEVA0024**+NAVA43601CK

Actual airflow:	580	cfm		
Sensible capacity:	13399	Btuh	122% of load	
Latent capacity:	3300	Btuh	111% of load	
Total capacity:	16699	Btuh	120% of load	SHR: 80%

Heating Equipment

Design Conditions

Outdoor design DB:	21.0°F	Heat loss:	16785	Btuh	Entering coil DB:	64.8°F
Indoor design DB:	70.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type: Split ASHP
Manufacturer: Smart Comfort Model: R4H5S18*K*AAA*+FEVA0024**+NAVA43601CK

Actual airflow:	580	cfm				
Output capacity:	16800	Btuh	100% of load		Capacity balance:	26 °F
Supplemental heat required:	0	Btuh			Economic balance:	-99 °F

Backup equipment type: Elec strip
Manufacturer: Smart Comfort Model: FEVA002410

Actual airflow:	580	cfm			
Output capacity:	10.0	kW	203% of load	Temp. rise:	55 °F

Meets all requirements of ACCA Manual S.

APPROVED BY
NTA INC. 2/11/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

wrightsoft

Project Summary
Entire House
Clayton Homes

Job: TRU-1466-32-1-FDJ
Date: 2/10/25
By: JH

5000 Clayton Road, Maryville, TN 37804 Phone: 865-380-3000

Project Information

For: TRU-1466-32-1, TRU

Notes: Duct Capicity: 19,333 Btuh's

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FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: TN 25

Winter Design Conditions

Outside db	21	°F
Inside db	70	°F
Design TD	49	°F
Ventilation Method	MJ8	

Summer Design Conditions

Outside db	90	°F
Inside db	75	°F
Design TD	15	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	34	gr/lb

Heating Summary

Structure	13662	Btuh
Ducts	0	Btuh
Central vent (60 cfm)	3123	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	16785	Btuh

Sensible Cooling Equipment Load Sizing

Structure	9994	Btuh
Ducts	0	Btuh
Central vent (60 cfm)	982	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.95	
Equipment sensible load	10470	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	891	891
Volume (ft³)	7128	7128
Air changes/hour	0.61	0.32
Equiv. AVF (cfm)	72	38

Latent Cooling Equipment Load Sizing

Structure	1639	Btuh
Ducts	0	Btuh
Central vent (60 cfm)	1325	Btuh
Outside air		
Equipment latent load	2964	Btuh
Equipment Total Load (Sen+Lat)	13434	Btuh
Req. total capacity at 0.70 SHR	1.2	ton

Heating Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Model	R4H5S18*K*AAA*
AHRI ref	210537859

Efficiency	7.5 HSPF2	
Heating input		
Heating output	16800	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	580	cfm
Air flow factor	0.042	cfm/Btuh
Static pressure	0.30	in H2O

Space thermostat
Capacity balance point = 26 °F

Backup: Smart Comfort FEVA002410
Input = 10 kW, Output = 34121 Btuh, 100 AFUE

Cooling Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Cond	R4H5S18*K*AAA*
Coil	FEVA0024**+NAVA43601CK
AHRI ref	210537859

Efficiency	12.0 EER2, 15 SEER2	
Sensible cooling	12180	Btuh
Latent cooling	5220	Btuh
Total cooling	17400	Btuh
Actual air flow	580	cfm
Air flow factor	0.058	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.79	

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

CLAYTON HOME BUILDING GROUP

14x66

Model Number	TRS1460	Drawing Number	TRU-1466-32-1	Version 20
Serial Number	X			

BOX SIZE: 13.17 ft. x 66 ft.
AVG. SIDEWALL HEIGHT = 7 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 33.3%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT / VAULT ROOF
INSULATION VALUES	(2) R-11 OR / R-11 FW / R-22 BIB	R-15	R-35 / R-35
DAPIA PAGE	THP-3027	THP-504	THP-1973 / THP-2505
U VALUE (BTUH/SQ.FT.-F)	0.0322	0.0749	0.0294/0.0319

Combined Uo for Data Plate = 0.0302

APPROVED BY NTA INC. 2/11/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
13	0
15	0
Exterior Supply	Length
14	0
16	0
Exterior Return	Length
14	0
16	0

		Area	U Value	UA
Doors:	Front	20.58	0.189	3.89
	Rear	18.33	0.189	3.46
	Other Door	0.00	0.300	0.00
	Other Door	0.00	0.330	0.00
	OSB	0.00	0.000	0.00
	Skylights	0.00	0.330	0.00
Window Glass Area:	Standard	69.00	0.300	20.70
	Option	0.00	0.300	0.00
Net:	Floor	869.00	0.032	27.98
	Wall	1000.42	0.075	74.93
	Ceiling	869.00	0.0302	26.27
Th. Zone 1:	Ext. Duct	0.00	0.000	0.00
Th. Zone 2:	Ext. Duct	0.00	0.000	0.00
Th. Zone 3:	Ext. Duct	0.00	0.000	0.00
Overhead TZ 1:	Supply	0.00	0.000	0.00
Overhead TZ 2:	Supply	0.00	0.000	0.00
Overhead TZ 3:	Supply	0.00	0.00	0.00

Energy Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	337.0
Th. Zone 2	197.9
Th. Zone 3	96.8

Thermal Zone	Outdoor Design Temp (F)	UA	Uo	EStar v3 & ZERH Compliant	Heatloss BTUH/F
1	11	157.24	0.055	OK	268.10
2	0	157.24	0.055	OK	268.10
3	-14	157.24	0.055	OK	268.10

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-57	-19	10kW
-83	-37	12kW
-121	-64	15kW
-79	-34	40k Gas
-154	-87	60k Gas
-228	-139	80k Gas

Thermal Zone	U-Value	Thermal Zone	U-Value	Thermal Zone	U-Value
Energy Star Version 2					
1-EHP-S	0.080	2-EHP-S	0.080	3-EHP-S	0.079
1-GAS-S	0.080	2-GAS-S	0.080	3-GAS-S	0.071
1-ENV-S	0.076	2-ENV-S	0.067	3-ENV-S	0.059
1-EHP-M	0.074	2-EHP-M	0.074	3-EHP-M	0.074
1-GAS-M	0.074	2-GAS-M	0.074	3-GAS-M	0.065
1-ENV-M	0.071	2-ENV-M	0.064	3-ENV-M	0.056

Energy Star Version 3 & ZERH					
1 Single	0.076	2 Single	0.065	3 Single	0.057
1 Double	0.070	2 Double	0.063	3 Double	0.054

CLAYTON HOME BUILDING GROUP

14x66

Model Number	TRS1460	Drawing Number	TRU-1466-32-1	Version 20
Serial Number	X			

BOX SIZE: 13.17 ft. x 66 ft.
AVG. SIDEWALL HEIGHT = 7 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 33.3%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT / VAULT ROOF
INSULATION VALUES	R-11 OR / R-11 FW / R-11 BIB	R-13	R-33 / R-33
DAPIA PAGE	THP-335	THP-515	THP-1972 / THP-2504
U VALUE (BTUH/SQ.FT.-F)	0.0436	0.0853	0.0306/0.0328

Combined Uo for Data Plate = 0.0313

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
13	0
15	0
Exterior Supply	Length
14	0
16	0
Exterior Return	Length
14	0
16	0

APPROVED BY NTA INC. 2/11/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	20.58	0.189	3.89
	Rear	18.33	0.189	3.46
	Other Door	0.00	0.300	0.00
	Other Door	0.00	0.330	0.00
	OSB	0.00	0.000	0.00
	Skylights	0.00	0.330	0.00
Window Glass Area:	Standard	69.00	0.300	20.70
	Option	0.00	0.300	0.00
Net:	Floor	869.00	0.044	37.89
	Wall	1000.42	0.085	85.34
	Ceiling	869.00	0.0313	27.23
Th. Zone 1:	Ext. Duct	0.00	0.000	0.00
Th. Zone 2:	Ext. Duct	0.00	0.000	0.00
Th. Zone 3:	Ext. Duct	0.00	0.000	0.00
Overhead TZ 1:	Supply	0.00	0.000	0.00
Overhead TZ 2:	Supply	0.00	0.000	0.00
Overhead TZ 3:	Supply	0.00	0.00	0.00

Energy Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	251.0
Th. Zone 2	105.1
Th. Zone 3	0.0

Thermal Zone	Outdoor Design Temp (F)	UA	Uo	EStar v3 & ZERH Compliant	Heatloss BTUH/F
1	-11	178.51	0.063	OK	289.30
2	0	178.51	0.063	OK	289.30
3	-14	178.51	0.063	NG	289.30

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-48	-13	10kW
-72	-29	12kW
-107	-54	15kW
-68	-27	40k Gas
-137	-75	60k Gas
-207	-124	80k Gas

Thermal Zone	U-Value	Thermal Zone	U-Value	Thermal Zone	U-Value
Energy Star Version 2					
1-EHP-S	0.080	2-EHP-S	0.080	3-EHP-S	0.079
1-GAS-S	0.080	2-GAS-S	0.080	3-GAS-S	0.071
1-ENV-S	0.076	2-ENV-S	0.067	3-ENV-S	0.059
1-EHP-M	0.074	2-EHP-M	0.074	3-EHP-M	0.074
1-GAS-M	0.074	2-GAS-M	0.074	3-GAS-M	0.065
1-ENV-M	0.071	2-ENV-M	0.064	3-ENV-M	0.056

Energy Star Version 3 & ZERH					
1 Single	0.076	2 Single	0.065	3 Single	0.057
1 Double	0.070	2 Double	0.063	3 Double	0.054

CLAYTON HOME BUILDING GROUP

14x66

Model Number	TRS1460	Drawing Number	TRU-1466-32-1	Version 20
Serial Number	X			

BOX SIZE: 13.17 ft. x 66 ft.
AVG. SIDEWALL HEIGHT = 7 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 33.3%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT / VAULT ROOF
INSULATION VALUES	(2) R-11 OR / R-11 FW / R-22 BIB	R-21	R-35 / R-35
DAPIA PAGE	THP-3027	THP-510	THP-1973 / THP-2505
U VALUE (BTUH/SQ.FT.-F)	0.0322	0.0546	0.0294/0.0319

Combined Uo for Data Plate = 0.0302

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
13	0
15	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

APPROVED BY NTA INC. 2/11/2025
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	20.58	0.189	3.89
	Rear	18.33	0.189	3.46
	Other Door	0.00	0.300	0.00
	Other Door	0.00	0.330	0.00
	OSB	0.00	0.000	0.00
	Skylights	0.00	0.330	0.00
Window Glass Area:	Standard	69.00	0.300	20.70
	Option	0.00	0.300	0.00
Net:	Floor	869.00	0.032	27.98
	Wall	1000.42	0.055	54.62
	Ceiling	869.00	0.0302	26.27
Th. Zone 1:	Ext. Duct	0.00	0.000	0.00
Th. Zone 2:	Ext. Duct	0.00	0.000	0.00
Th. Zone 3:	Ext. Duct	0.00	0.000	0.00
Overhead TZ 1:	Supply	0.00	0.000	0.00
Overhead TZ 2:	Supply	0.00	0.000	0.00
Overhead TZ 3:	Supply	0.00	0.00	0.00

Energy Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	397.6
Th. Zone 2	270.0
Th. Zone 3	177.2

Thermal Zone	Outdoor Design Temp (F)	UA	Uo	EStar v3 & ZERH Compliant	Heatloss BTUH/F
1	11	136.93	0.048	OK	247.80
2	0	136.93	0.048	OK	247.80
3	-14	136.93	0.048	OK	247.80

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-68	-26	10kW
-95	-46	12kW
-137	-75	15kW
-91	-43	40k Gas
-172	-99	60k Gas
-253	-156	80k Gas

Thermal Zone	U-Value	Thermal Zone	U-Value	Thermal Zone	U-Value
Energy Star Version 2					
1-EHP-S	0.080	2-EHP-S	0.080	3-EHP-S	0.079
1-GAS-S	0.080	2-GAS-S	0.080	3-GAS-S	0.071
1-ENV-S	0.076	2-ENV-S	0.067	3-ENV-S	0.059
1-EHP-M	0.074	2-EHP-M	0.074	3-EHP-M	0.074
1-GAS-M	0.074	2-GAS-M	0.074	3-GAS-M	0.065
1-ENV-M	0.071	2-ENV-M	0.064	3-ENV-M	0.056

Energy Star Version 3 & ZERH					
1 Single	0.076	2 Single	0.065	3 Single	0.057
1 Double	0.070	2 Double	0.063	3 Double	0.054