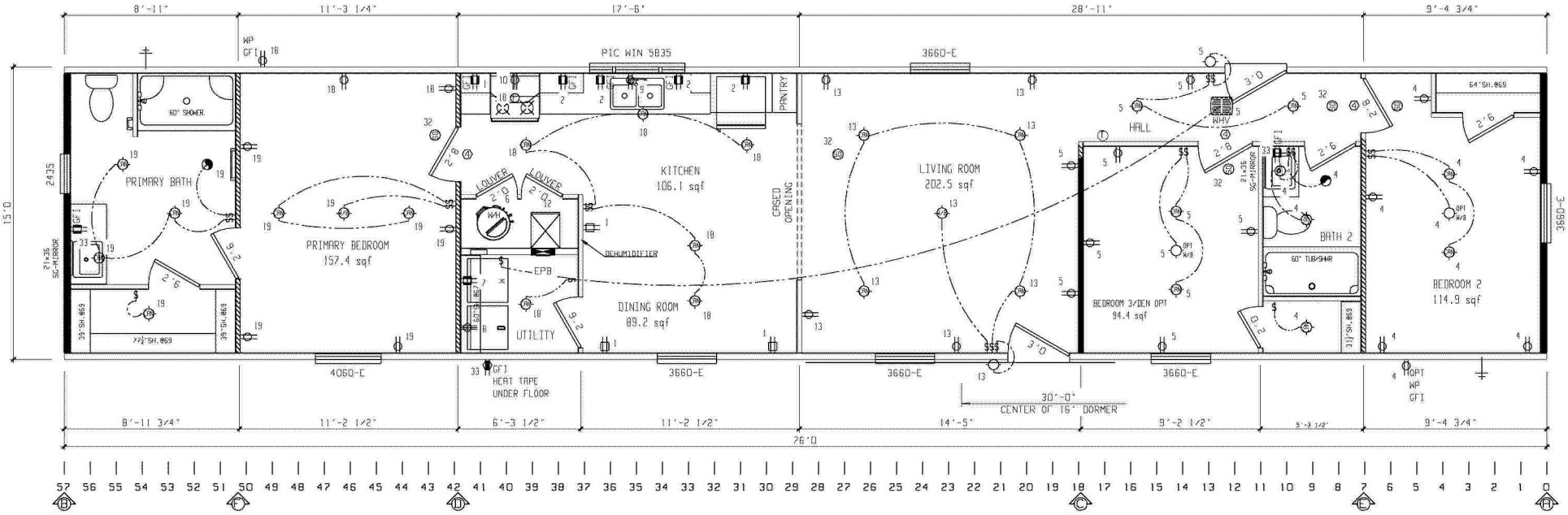


APPROVED BY
REVISED
1/10/2025
NTA INC.
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

957-333.0

*WZI SHEAR TABLE FOR 1BR & 2BR OPTION

WIND-1		DIAPHRAGM = 332 PLF		WIND-2		DIAPHRAGM = 232 PLF		WIND-3		DIAPHRAGM = 232 PLF		WIND-2 (2BR OPTION)		DIAPHRAGM = 232 PLF				DIAPHRAGM = PLF				DIAPHRAGM = PLF		DESIGN LOADS
SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	WIND-ROOF PSF
A	210 PLF	130"	2	A	210 PLF	130"	2	A	210 PLF	130"	2	A	210 PLF	130"	2	A				A				1-20
B	210 PLF	108"	2	B	210 PLF	108"	2	B	210 PLF	108"	2	B	210 PLF	108"	2	B				B				2-20
C	350 PLF	120"	3	C	350 PLF	128"	3	C	420 PLF	126"	3	C	420 PLF	120"	3	C				C				3-20
D				D	420 PLF	134"	6	D	420 PLF	134"	6	D	350 PLF	134"	6	D				D				
E				E	210 PLF	108"	2	E	210 PLF	132"	2	E	210 PLF	136"	2	E	350 PLF	102"	3	E				
F				F				F	210 PLF	136"	2	F				F	210 PLF	138"	2	F				
G				G				G				G				G				G				

RETURN AIR REQUIREMENTS

1. 20"x16" GRILL REQUIRED
2. 4"x10" GRILL W/ 2 1/2" DOOR UNDERCUT
3. DOOR(S) MUST BE UNDERCUT 2 1/2" MIN.
4. 4"x24" OR 6"x14" GRILL REQUIRED

◇ INDICATES REQUIRED NUMBER OF STUDS IN COLUMN

◇ THE * SPECIFIES THAT THERE CAN BE NO HOLES IN STUDS IN COLUMNS

BRAND	SERIES
CLAYTON	FS16

CLAYTON
HOME BUILDING GROUP

REVISIONS	BY	DATE

GENERAL NOTES

- CEILING HEIGHT = 96.00
- REFER TO DAPIA PAGE MMP-2.0 FOR AREA LIGHT & VENT
- REFER TO DAPIA PAGE EL-1.2 FOR ELEC. SYMBOL & BRANCH CIRCUIT NUMBER
- FLOOR FRAMING SPACING = 16
- TOTAL WINDOW SQFT = 115

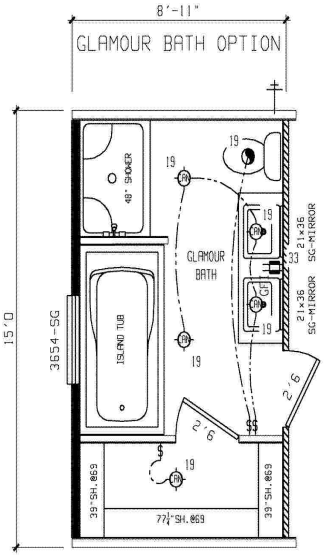
DRAWING TITLE

MASTER PLAN

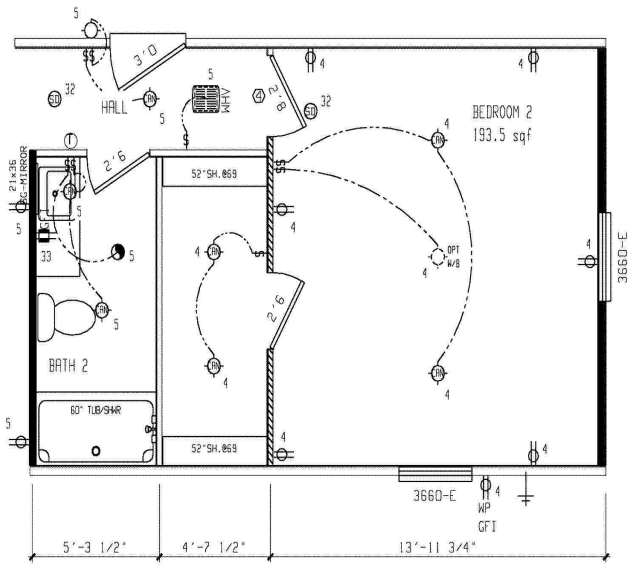
MODEL NAME	SQ. FT.
333	1140

PLANT	DESCRIPTION	MODEL NO.
957	16X76 3BR-2BA	333

DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	01/09/2025	1-1



2 BEDROOM OPTION



57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

(B) (F) (C) (E) (A)

957-333.0.1

WIND-1		DIAPHRAGM = 132 PLF		WIND-2		DIAPHRAGM = 232 PLF		WIND-3		DIAPHRAGM = 232 PLF		WIND-2 (2BR OPTION)		DIAPHRAGM = 232 PLF		WIND-3 (2BR OPTION)		DIAPHRAGM = PLF				DIAPHRAGM = PLF		DESIGN LOADS
SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	SHEARWALL	DESIGN PLF	SHEAR AREA	JOISTS	WIND-ROOF PSF
A	210 PLF	130"	2	A	210 PLF	130"	2	A	210 PLF	130"	2	A	210 PLF	130"	2	A	210 PLF	130"	2	A				A				1-20	
B	210 PLF	108"	2	B	210 PLF	108"	2	B	210 PLF	108"	2	B	210 PLF	108"	2	B	210 PLF	108"	2	B				B				2-20	
C	350 PLF	120"	3	C	350 PLF	128"	3	C	420 PLF	128"	3	C	420 PLF	128"	3	C	420 PLF	120"	3	C				C				3-20	
D				D	420 PLF	134"	6	D	420 PLF	134"	6	D	350 PLF	134"	4	D	420 PLF	134"	6	D				D					
E				E	210 PLF	108"	2	E	210 PLF	132"	2	F	210 PLF	136"	2	E	350 PLF	102"	3	E				E					
F				F				F	210 PLF	136"	2					F	210 PLF	136"	2	F				F					
G				G				G								G				G				G					

RETURN AIR REQUIREMENTS

1. 20"x16" GRILL REQUIRED
2. 4"x10" GRILL W/ 2 1/2" DOOR UNDERCUT
3. DOOR(S) MUST BE UNDERCUT 2 1/2" MIN.
4. 4"x24" OR 6"x14" GRILL REQUIRED

◊ INDICATES REQUIRED NUMBER OF STUDS IN COLUMN

◊◊ THE # SPECIFIES THAT THERE CAN BE NO HOLES IN STUDS IN COLUMNS

BRAND	SERIES
CLAYTON	FS16

CLAYTON HOME BUILDING GROUP

REVISIONS	BY	DATE

GENERAL NOTES

CEILING HEIGHT = 96.00

REFER TO DAPIA PAGE MMP-2.0 FOR AREA LIGHT & VENT

REFER TO DAPIA PAGE EL-1.2 FOR ELEC. SYMBOL & BRANCH CIRCUIT NUMBER

TOTAL WINDOW SQFT W/ OPT = 122

DRAWING TITLE

MASTER PLAN #2

MODEL NAME	SQ. FT.
333	1140

PLANT	DESCRIPTION	MODEL NO.
957	16X76 3BR-2BA	333

DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	06/18/2024	1-2

CMH Inc.

SHEARWALL DESIGN - HUD

APPROVED BY NTA INC. REVISED 5/22/2024
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Model # 333

Box Width =	180 "	Single wide	Minimum Joist Spacing 16 "
Box Length =	76 ft.	99.5" 10" MIN.IBEAM	No Offset Box
No Skylights			No Clerestory
No Porches			No Origami Dormer
Joist Size =	#2 spf 2x6	Lags 9Mx3"	No Sunken Floor
			No Parapet Roof

Version R13.20

Wind Zone 1 Standard Roof — 96 inch sidewall

Diaphragm Construction: (3/8" sheathing only with 16ga. @ 4/8 oc) [132 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	130 "	210	2	1/1	Split Shearwall *	65/65
B	76 '	108 "	210	2	2/2	Split Shearwall	47/61
C	23.92 '	120 "	350	3	3/1		

Wind Zone 2 Standard Roof — 96 inch sidewall

Diaphragm Construction: (3/8" sheathing w/ceiling with 16ga. @ 4/8 oc) [232 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	130 "	210	2	1/1	Split Shearwall *	65/65
B	76 '	108 "	210	2	2/2	Split Shearwall	47/61
C	23.91 '	128 "	350	3	3/1		
D	55.83 '	134 "	420	6	4/4	Split Shearwall	103/31
E	9.33 '	108 "	210	2	2/1		

Wind Zone 3 Standard Roof — 96 inch sidewall

Diaphragm Construction: (3/8" sheathing w/ceiling with 16ga. @ 4/8 oc) [232 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	130 "	210	2	1/1	Split Shearwall *	65/65
B	76 '	108 "	210	2	1/1	Split Shearwall	47/61
C	23.91 '	128 "	420	3	4/1		
D	55.83 '	134 "	420	6	4/4	Split Shearwall	103/31
E	9.33 '	132 "	210	2	2/1		
F	67 '	136 "	210	2	2/2	Split Shearwall	93/43

Diaphragm Construction: (3/8" sheathing only with 14ga. @ 6/6 oc) [172 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes

* Denotes that indicated shearwall is over full depth/width front steel chassis header.

Designed by KLK

957-333.0.2

CMH Inc.
SHEARWALL DESIGN - HUD

Model # 333 (2BR option)

Box Width =	180 "	Single wide	Minimum Joist Spacing 16 "
Box Length =	76 ft.	99.5" 10" MIN.IBEAM	No Offset Box
No Skylights			No Clerestory
No Porches			No Origami Dormer
Joist Size =	#2 spf 2x6	Lags 9Mx3"	No Sunken Floor
			No Parapet Roof

APPROVED BY NTA INC. 5/22/2024
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Version R13.20

Wind Zone 1 Standard Roof — 96 inch sidewall

Diaphragm Construction: (3/8" sheathing only with 16ga. @ 4/8 oc) [132 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	130 "	210	2	1/1	Split Shearwall *	65/65
B	76 '	108 "	210	2	2/2	Split Shearwall	61/47
C	23.92 '	120 "	350	3	3/1		

Wind Zone 2 Standard Roof — 96 inch sidewall

Diaphragm Construction: (3/8" sheathing w/ceiling with 16ga. @ 4/8 oc) [232 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	130 "	210	2	2/2	Split Shearwall *	65/65
B	76 '	108 "	210	2	1/1	Split Shearwall	61/47
C	23.92 '	128 "	420	3	4/1		
D	55.84 '	134 "	350	4	3/3	Split Shearwall	103/31
F	67.08 '	136 "	210	2	2/2	Split Shearwall	93/43

Wind Zone 3 Standard Roof — 96 inch sidewall

Diaphragm Construction: (3/8" sheathing w/ceiling with 16ga. @ 4/8 oc) [232 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes	SW1/SW2
A	0 '	130 "	210	2	2/2	Split Shearwall *	65/65
B	76 '	108 "	210	2	1/1	Split Shearwall	61/47
C	23.92 '	120 "	420	3	4/1		
D	55.84 '	134 "	420	6	4/4	Split Shearwall	103/31
E	14 '	102 "	350	3	2/2	Split Shearwall	46/56
F	67.08 '	136 "	210	2	2/2	Split Shearwall	93/43

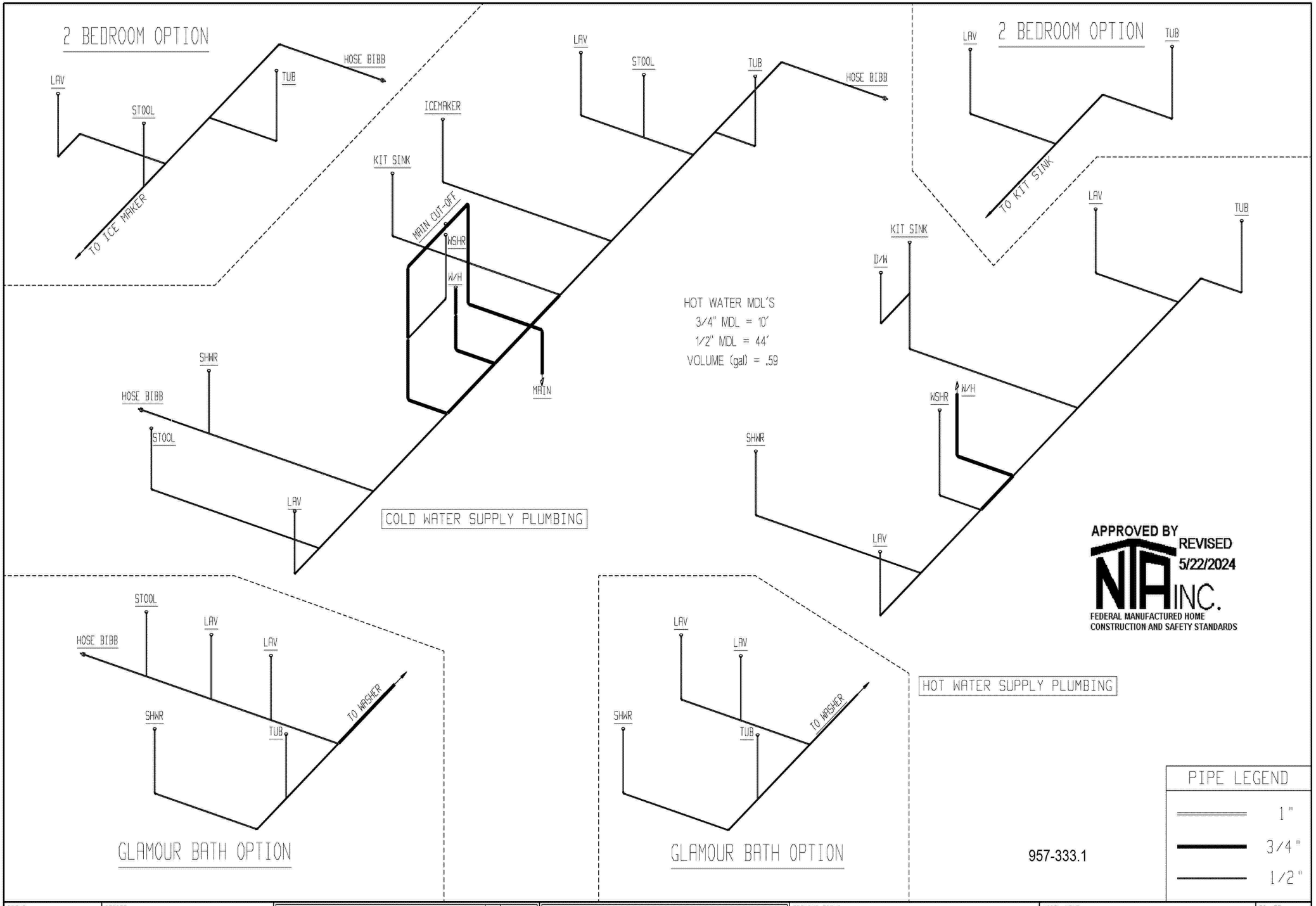
Diaphragm Construction: (3/8" sheathing only with 14ga. @ 6/6 oc) [172 plf] Chords: 2x4 SPF #3 Top Plate & 2x4 Rail. Each spliced w/ 12" glue block.

Shearwall	Dist./ Hitch	Length	PLF	# of Joists	Lags	Notes

* Denotes that indicated shearwall is over full depth/width front steel chassis header.

Designed by KLK

957-333.0.3



BRAND	SERIES
CLAYTON	FS16

CLAYTON HOME BUILDING GROUP

REVISIONS	BY	DATE

GENERAL NOTES

HOSE BIBBS PER SPECS

DRAWING TITLE

SUPPLY PLUMBING

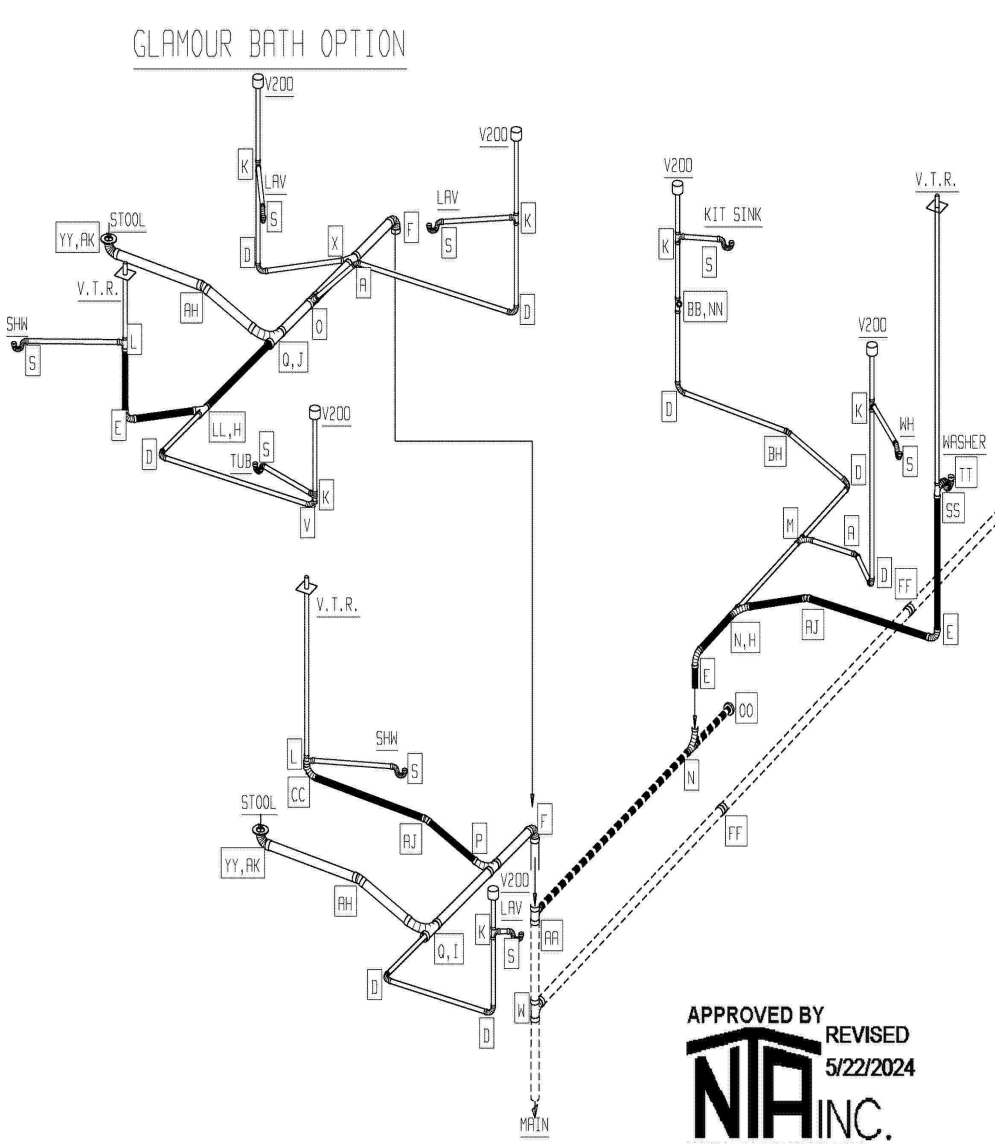
MODEL NAME			SQ. FT.
333			1140
PLANT	DESCRIPTION		MODEL NO.
957	16X76 3BR-2BA		333
DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	05/20/2024	9-1

PIPING AND FITTING MATERIAL TYPE TO BE:
ABS (ACRYLONITRILE-BUTADIENE-STYRENE)
OR PVC (POLYVINYL CHLORIDE)

PIPE LEGEND

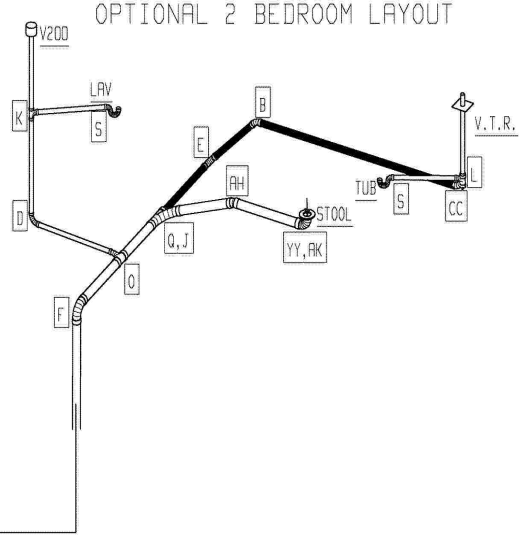
1 1/2"	
2"	
3"	

GLAMOUR BATH OPTION



STANDARD SHIP LOOSE	
AA	1
F	1
FF	2
N	1
OO	1
W	1
2" PIPE	15 FT
3" PIPE	55 FT

OPTIONAL 2 BEDROOM LAYOUT



957-333.2

APPROVED BY NTA INC.
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS
REVISED 5/22/2024

LET	DESCRIPTION	LET	DESCRIPTION	LET	DESCRIPTION	LET	DESCRIPTION
A	1.5" x 45° LT-1/8 BEND	B	2" x 45° LT-1/8 BEND	C	3" x 45° LT-1/8 BEND	D	1.5" x 90° LONG SWEEP-1/4 BEND
E	2" x 90° LSWEEP-1/4 BEND	F	3" x 90° LSWEEP-1/4 BEND	G	4"x3" CLOSET FLANGE	H	2"x1.5" FLUSH BUSHING
I	3"x1.5" FLUSH BUSHING	J	3"x2" FLUSH BUSHING	K	1.5" SANITARY TEE	L	2"x1.5"x1.5" SAN TEE
M	1.5" LTTY	N	2" LTTY	O	3"x3"x1.5" LTTY	P	3"x3"x2" LTTY
Q	3" LTTY	R	3" 3-WAY ELBOW	S	1.5"x1.5" P-TRAP	T	3"x3"x1.5"x1.5" DBL SAN TEE
U	3"x3"x1.5" SAN TEE	V	1.5" x 90° LONG SWEEP STREET	W	3" SANITARY TEE	X	3"x3"x1.5" WYE
Y	2" 3-WAY ELBOW	Z	2"x2"x1.5" LTTY	AA	3"x3"x2" SAN TEE	BB	1.5" x 45° WYE
CC	2" X 90° LSWEEP STREET	DD	1.5" x 45° 1/8 BEND STREET	EE	1.5" COUPLING	FF	3" COUPLING
GG	1.5" P-TRAP @ WASHER	HH	1.5" SAN TEE STREET	II	2"x1.5"x1.5" LTTY	JJ	2"x1.5"x2" LTTY
KK	2" x 1/4 BEND STREET	LL	2" x 45° WYE	MM	3" DBL SAN TEE	NN	1.5" C.O. W/PLUG
OO	2" C.O. W/PLUG	PP	3" C.O. W/PLUG	QQ	2"x2"x1.5" WYE REDUCING	RR	1.5" 1/4 BEND
SS	2"x1.5"x2" SAN TEE	TT	2" P-TRAP	UU	2" x 45° 1/8 BEND STREET	VV	2" COUPLING
WW	3" x 45° 1/8 BEND STREET	XX	2" SANITARY TEE	YY	4" CLOSET FLANGE	ZZ	4" COUPLING
AB	1.5" CONT WASTE	AC	1.5" x 22 1/2° ELBOW STREET	AD	2" x 22 1/2° ELBOW STREET	AE	3"x3"x2"x2" DBL SAN TEE
AF	2"x1.5"x1.5" SAN TEE STREET	AG	2"x1.5"x1.5" 3-WAY ELBOW	AH	3" x 22 1/2° 1/16 BEND ELBOW	AI	1.5" 3-WAY ELBOW
AJ	2" x 22 1/2° 1/16 BEND ELBOW	AK	4"x3" CLOSET BEND STR (CUT DOWN 1.5")	AL	3"x3"x3" WYE	AM	3" 1/4 BEND
AN	2"x3" PIPE INCREASER	AO	3" X 3" X 2" WYE	AP	2" 1/4 BEND	AQ	2"x2"x2"x2" DBL SAN TEE
AR	1.5"x3" PIPE INCREASER	AS	1.5"x1.5"x1.5"x1.5" DBL SAN TEE	AT	3" DOUBLE FIXTURE TEE	AU	2"x2"x1.5"x1.5" DBL SAN TEE
AV	3"x3"x2"x2" SAN TEE (SI) LEFT	AW	3"x3"x3"x1.5" SAN TEE (SI) LEFT	AX	3"x3"x3"x2" SAN TEE (SI) LEFT	AY	3"x3"x2"x2" SAN TEE (SI) RIGHT
AZ	3"x3"x3"x1.5" SAN TEE (SI) RIGHT	BA	3"x3"x3"x2" SAN TEE (SI) RIGHT	BC	3"x3"x3"x2"x2" SAN TEE DBL(SI)	BD	3"x3"x3"x1.5"x1.5" SAN T DBL(SI)
BE	1.5"x2" PIPE INCREASER	BF	3"x3"x1.5" 90° LSWEEP LOW HEEL INLET	BG	3"x3"x2" 90° LSWEEP LOW HEEL INLET	BH	1.5" x 22 1/2° 1/16 BEND ELBOW
BI	4"x3" CLOSET BEND STREET	BJ	1.5" x 1.5" x .5" 45° APPLIANCE WYE	BK		BL	

BRAND: CLAYTON
SERIES: FS16

CLAYTON HOME BUILDING GROUP

REVISIONS	BY	DATE

GENERAL NOTES

DRAWING TITLE: DWV SCHEMATIC

MODEL NAME: 333
SQ. FT.: 1140

PLANT	DESCRIPTION	MODEL NO.
957	16X76 3BR-2BA	333

DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	05/20/2024	8-1

wrightsoft

Project Summary
Entire House

Job: 333 (Inline)
Date: Apr 04, 2023
By: CLAYTON ROCKWELL

Project Information

For: 333 (Inline), CLAYTON 957
ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 19767 BTU/HR

APPROVED BY
NTA INC. 8/2/2023
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: Fort Bragg/Simmons, NC, US

Winter Design Conditions

Outside db	26	°F
Inside db	70	°F
Design TD	44	°F

Summer Design Conditions

Outside db	95	°F
Inside db	75	°F
Design TD	20	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	41	gr/lb

Heating Summary

Structure	12316	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***4338***	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	16654	Btuh

Sensible Cooling Equipment Load Sizing

Structure	9666	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***1933***	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.00	
Equipment sensible load	11565	Btuh

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	1117	1117
Volume (ft³)	8939	8939
Air changes/hour	0.31	0.16
Equiv. AVF (cfm)	46	24

Latent Cooling Equipment Load Sizing

Structure	1253	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***2465***	Btuh
Outside air		
Equipment latent load	3718	Btuh
Equipment Total Load (Sen+Lat)	15283	Btuh
Req. total capacity at 0.70 SHR	1.4	ton

Heating Equipment Summary

Make	Smart Comfort
Trade	
Model	
AHRI ref	

Efficiency	100	EFF
Heating input	10.0	kW
Heating output	34121	Btuh
Temperature rise	53	°F
Actual air flow	593	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Smart Comfort
Trade	PERFORMANCE 14 SEER2 AC
Cond	R4A4S18*K*NAA*
Coil	FEVA0024**+NAVA43601CK
AHRI ref	0

Efficiency	12.5 EER2,15.2 SEER2	
Sensible cooling	12460	Btuh
Latent cooling	5340	Btuh
Total cooling	17800	Btuh
Actual air flow	593	cfm
Air flow factor	0.061	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.76	

957-333.4.1

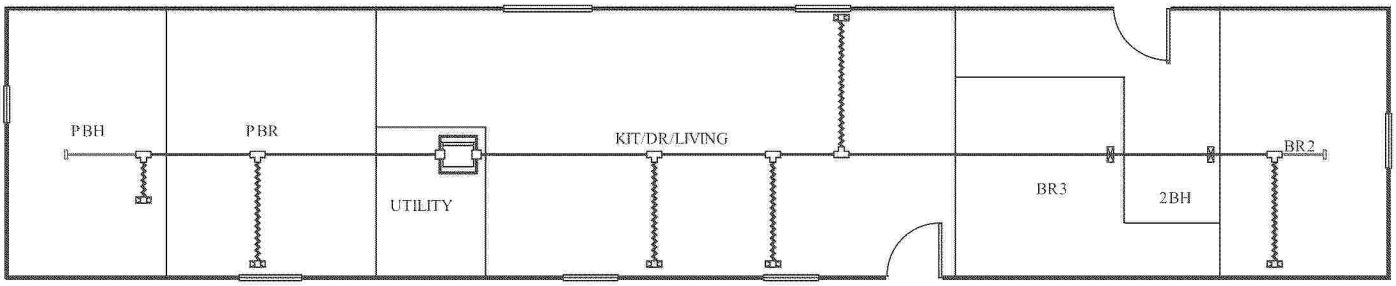
Bold/italic values have been manually overridden

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

N

APPROVED BY
NTA INC. 8/2/2023
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Level 1



957-333.4.2

Job #: 333 (Inline) **Performed by CLAYTON ROCKWELL fo** 333 (Inline) ROCKWELL, NC		Scale: 1 : 126 Page 1 Right-Suite® Universal 2023 23.0.01 RSU28035 2023-Jul-31 08:18:24 R:\EBUILT WRIGHTSOFT\333\333(I

wrightsoft

Project Summary
Entire House

Job: 333 (perimeter)
Date: Apr 04, 2023
By: CLAYTON ROCKWELL

Project Information

For: 333 (perimeter), CLAYTON 957
ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 19767 BTU/HR

APPROVED BY
NTA INC. 8/2/2023
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: Fort Bragg/Simmons, NC, US

Winter Design Conditions

Outside db	26	°F
Inside db	70	°F
Design TD	44	°F

Summer Design Conditions

Outside db	95	°F
Inside db	75	°F
Design TD	20	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	41	gr/lb

Heating Summary

Structure	12316	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***4338***	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	16654	Btuh

Sensible Cooling Equipment Load Sizing

Structure	9666	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***1933***	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.00	
Equipment sensible load	11565	Btuh

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	1117	1117
Volume (ft³)	8939	8939
Air changes/hour	0.31	0.16
Equiv. AVF (cfm)	46	24

Latent Cooling Equipment Load Sizing

Structure	1253	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***2465***	Btuh
Outside air		
Equipment latent load	3718	Btuh
Equipment Total Load (Sen+Lat)	15283	Btuh
Req. total capacity at 0.70 SHR	1.4	ton

Heating Equipment Summary

Make	Smart Comfort
Trade	
Model	
AHRI ref	

Efficiency	100	EFF
Heating input	10.0	kW
Heating output	34121	Btuh
Temperature rise	53	°F
Actual air flow	593	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Smart Comfort
Trade	PERFORMANCE 14 SEER2 AC
Cond	R4A4S18*K*NAA*
Coil	FEVA0024**+NAVA43601CK
AHRI ref	0

Efficiency	12.5 EER2,15.2 SEER2	
Sensible cooling	12460	Btuh
Latent cooling	5340	Btuh
Total cooling	17800	Btuh
Actual air flow	593	cfm
Air flow factor	0.061	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.76	

957-333.4.3

Bold/italic values have been manually overridden

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

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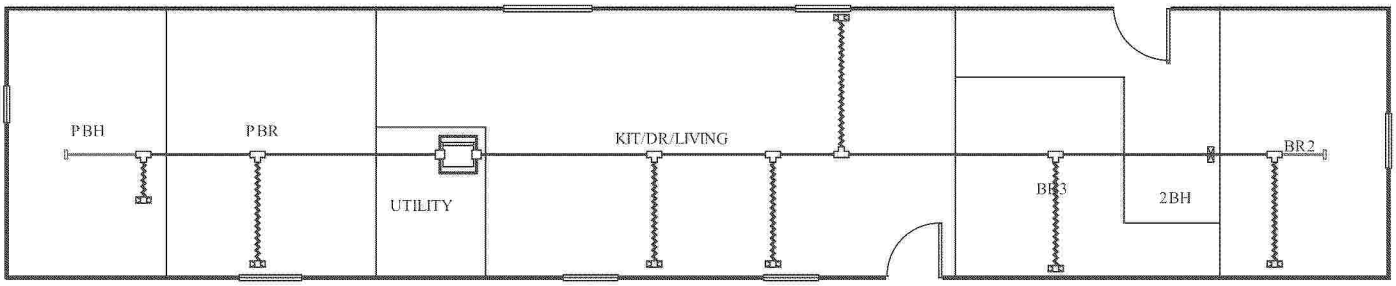
NTA INC. 8/2/2023
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Level 1



957-333.4.4

Job #: 333 (perimeter) **Performed by CLAYTON ROCKWELL fo** 333 (perimeter) ROCKWELL, NC		Scale: 1 : 126 Page 1 Right-Suite® Universal 2023 23.0.01 RSU28035 2023-Jul-31 08:26:22 R:\EBUILT WRIGHTSOFT\333\333(P

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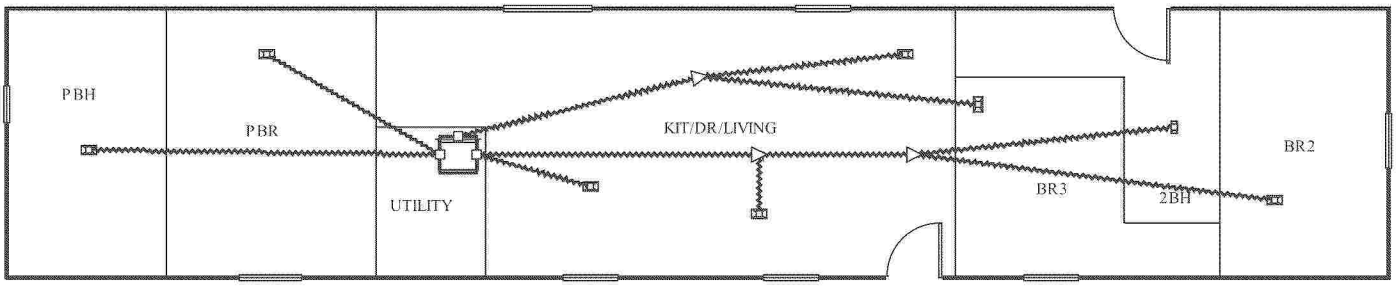
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Level 1



957-333.4.5

Job #: 333 (OVERHEAD HVAC) **Performed by CLAYTON ROCKWELL fo** 333 (OVERHEAD HVAC) ROCKWELL, NC		Scale: 1 : 126 Page 1 Right-Suite® Universal 2023 23.0.04 RSU28035 2023-Sep-14 11:19:02 ...yton Homes\Desktop\333(OVHD).r

wrightsoft

Project Summary
Entire House

Job: 333 (OVERHEAD HVAC)
Date: SEPT 14, 2023
By: CLAYTON ROCKWELL

Project Information

For: 333 (OVERHEAD HVAC), CLAYTON 957 ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 26,000 BTU/HR

APPROVED BY NTA INC. 9/15/2023
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: SC 55

Winter Design Conditions

Outside db	28	°F
Inside db	70	°F
Design TD	42	°F

Summer Design Conditions

Outside db	95	°F
Inside db	75	°F
Design TD	20	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	34	gr/lb

Heating Summary

Structure	12709	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***4097***	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	16805	Btuh

Sensible Cooling Equipment Load Sizing

Structure	11615	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***1955***	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.00	
Equipment sensible load	13556	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1117	1117
Volume (ft³)	8939	8939
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	67	34

Latent Cooling Equipment Load Sizing

Structure	1591	Btuh
Ducts	0	Btuh
Central vent (90 cfm)	***2078***	Btuh
Outside air		
Equipment latent load	3669	Btuh
Equipment Total Load (Sen+Lat)	17225	Btuh
Req. total capacity at 0.70 SHR	1.6	ton

Heating Equipment Summary

Make	Smart Comfort	
Trade		
Model		
AHRI ref		
Efficiency	100 EFF	
Heating input	10.0	kW
Heating output	34121	Btuh
Temperature rise	40	°F
Actual air flow	780	cfm
Air flow factor	0.061	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Smart Comfort	
Trade	15 SEER2 AC	
Cond	R4A5S24*K*WAA*	
Coil	FEVA0024**+NAVA43601CK	
AHRI ref	0	
Efficiency	13.0 EER2,15.5 SEER2	
Sensible cooling	16380	Btuh
Latent cooling	7020	Btuh
Total cooling	23400	Btuh
Actual air flow	780	cfm
Air flow factor	0.067	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.79	

957-333.4.6

Bold/italic values have been manually overridden

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

CLAYTON HOME BUILDING GROUP

OVERHEAD DUCT

Model Number	333	Drawing Number	333	Version 13

BOX SIZE: 15 ft. x 76 ft.
AVG. SIDEWALL HEIGHT = 8 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 0%

OVERHEAD DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT ROOF
INSULATION VALUES	R-22 FW	R-13	R-38
DAPIA PAGE	THP-164	THP-552	THP-2013
U VALUE (BTUH/SQ.FT.-F)	0.045	0.0808	0.0297

Overhead Duct	
Diameter	Length
4	0
5	0
6	56
7	31
8	14
9	24
10	0
11	0
14	0
Exterior Supply	Length
14	0
16	0
Exterior Return	Length
14	0
16	0

APPROVED BY NTA INC. 9/15/2023
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	21.00	0.170	3.57
	Rear	21.00	0.260	5.46
	Other Door	0.00	0.260	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	115.00	0.300	34.50
	Option	0.00	0.300	0.00
Net:	Floor	1140.00	0.045	51.76
	Wall	1299.00	0.081	104.96
	Ceiling	1140.00	0.0297	33.86
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	19.84	0.242	4.80
Overhead TZ 2:	Supply	19.84	0.223	4.42
Overhead TZ 3:	Supply	19.84	0.21	4.08

Enery Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	327.3
Th. Zone 2	141.5
Th. Zone 3	6.7

	Outdoor Design Temp (F)	UA	Uo	Heatloss BTUH/F
Thermal Zone 1	11	238.90	0.064	366.30
Thermal Zone 2	0	238.52	0.064	365.90
Thermal Zone 3	-14	238.18	0.064	365.60

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-23	5	10kW
-42	-8	12kW
-70	-28	15kW
-39	-6	40k Gas
-94	-45	60k Gas
-148	-83	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

wrightsoft

Project Summary
Entire House

Job: 333(2 BEDROOM OPTION)
Date: Apr 14, 2023
By: CLAYTON ROCKWELL

Project Information

For: 333(2 BEDROOM OPTION), CLAYTON 957 ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 26,000 BTU/HR

APPROVED BY NTA INC. 5/22/2024
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: Fort Bragg/Simmons, NC, US

Winter Design Conditions

Outside db	26	°F
Inside db	70	°F
Design TD	44	°F

Summer Design Conditions

Outside db	95	°F
Inside db	75	°F
Design TD	20	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	41	gr/lb

Heating Summary

Structure	14032	Btuh
Ducts	702	Btuh
Central vent (45 cfm)	***2169***	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	16902	Btuh

Sensible Cooling Equipment Load Sizing

Structure	11652	Btuh
Ducts	583	Btuh
Central vent (45 cfm)	***967***	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.00	
Equipment sensible load	13162	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1117	1117
Volume (ft³)	8939	8939
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	81	51

Latent Cooling Equipment Load Sizing

Structure	2005	Btuh
Ducts	0	Btuh
Central vent (45 cfm)	***1233***	Btuh
Outside air		
Equipment latent load	3238	Btuh
Equipment Total Load (Sen+Lat)	16399	Btuh
Req. total capacity at 0.70 SHR	1.6	ton

Heating Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Model	R4H5S24*K*AAA*
AHRI ref	0

Efficiency	7.5 HSPF2	
Heating input		
Heating output	22800	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	780	cfm
Air flow factor	0.053	cfm/Btuh
Static pressure	0.30	in H2O

Space thermostat
Capacity balance point = 20 °F

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

Cooling Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Cond	R4H5S24*K*AAA*
Coil	FEVA0024**+NAVA43601CK
AHRI ref	0

Efficiency	12.0 EER2,15.2 SEER2	
Sensible cooling	16380	Btuh
Latent cooling	7020	Btuh
Total cooling	23400	Btuh
Actual air flow	780	cfm
Air flow factor	0.064	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.80	

957-333.4.8

Bold/italic values have been manually overridden

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

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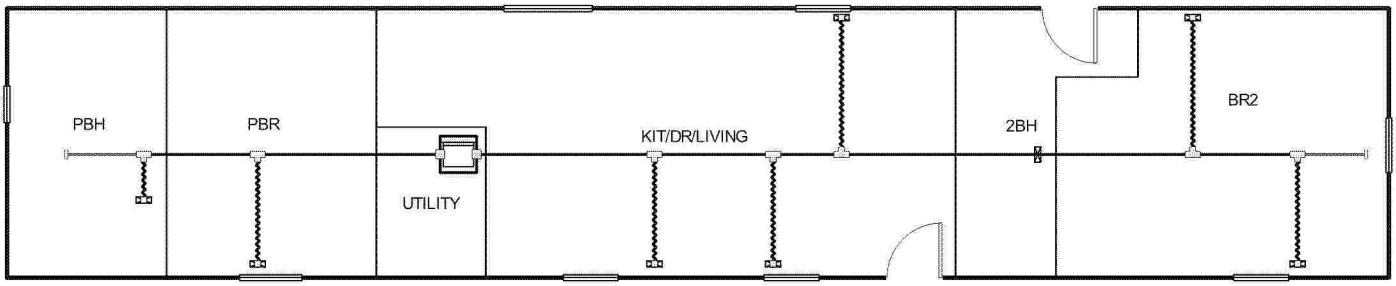
NTA INC. 5/22/2024
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Level 1



957-333.4.9

Job #: 333(2 BEDROOM OPTION)
Performed by CLAYTON ROCKWELL for:
333(2 BEDROOM OPTION)

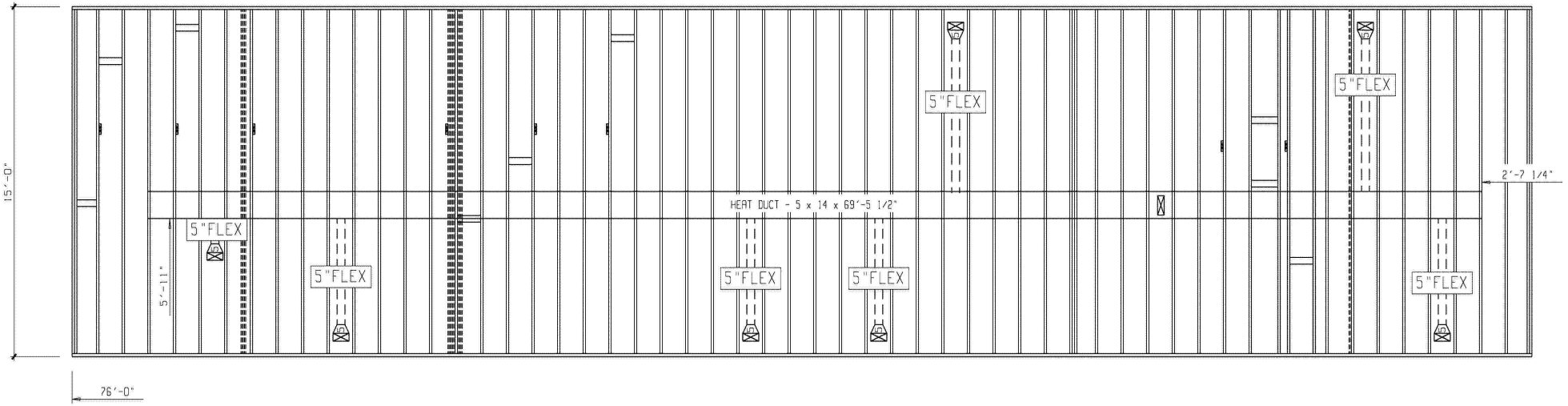
ROCKWELL, NC

Scale: 1 : 126

Right-Suite® Universal 2023
23.0.04 RSU59541
2024-May-20 09:31:54
...RIGHTSOFT\333\333_2BR_OPTION....

57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

INLINE AND PERIMETER ARE THE SAME LAYOUT



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FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

957-333.4.10

BRAND: CLAYTON	SERIES: FS16	REVISIONS	BY	DATE	GENERAL NOTES	DRAWING TITLE: INLINE HVAC-A 2 BEDROOM OPT	MODEL NAME: 333 / SQ. FT.: 1140
CLAYTON HOME BUILDING GROUP							PLANT: 957 / DESCRIPTION: 16X76 3BR-2BA / MODEL NO.: 333
							DRAWN BY: KLK / ORIG. DATE: 04/18/2024 / DATE PRINTED: 05/20/2024 / SHEET NO.: 4-1A

wrightsoft

Project Summary
Entire House

Job: 333 (2BR OPTION) (OVERHEAD HVAC)
Date: MAY 20, 2024
By: CLAYTON ROCKWELL

Project Information

For: 333 (2BR OPTION) (OVERHEAD HVAC), CLAYTON 957 ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 26,000 BTU/HR

APPROVED BY NTA INC. 5/31/2024
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

Design Information

Weather: SC 55

Winter Design Conditions

Outside db	28	°F
Inside db	70	°F
Design TD	42	°F

Summer Design Conditions

Outside db	95	°F
Inside db	75	°F
Design TD	20	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	34	gr/lb

Heating Summary

Structure	12928	Btuh
Ducts	2854	Btuh
Central vent (45 cfm)	***2048***	Btuh
Outside air		
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	17831	Btuh

Sensible Cooling Equipment Load Sizing

Structure	10831	Btuh
Ducts	2624	Btuh
Central vent (45 cfm)	***978***	Btuh
Outside air		
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	1.00	
Equipment sensible load	14418	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1121	1121
Volume (ft³)	8968	8968
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	81	51

Latent Cooling Equipment Load Sizing

Structure	1586	Btuh
Ducts	492	Btuh
Central vent (45 cfm)	***1039***	Btuh
Outside air		
Equipment latent load	3117	Btuh
Equipment Total Load (Sen+Lat)	17535	Btuh
Req. total capacity at 0.70 SHR	1.7	ton

Heating Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Model	R4H5S24*K*AAA*
AHRI ref	0

Efficiency	7.5 HSPF2	
Heating input		
Heating output	22800	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	780	cfm
Air flow factor	0.049	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		
Capacity balance point = 24 °F		

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

Cooling Equipment Summary

Make	Smart Comfort
Trade	15 SEER2 R SERIES R410A HP
Cond	R4H5S24*K*AAA*
Coil	FEVA0024**+NAVA43601CK
AHRI ref	0

Efficiency	12.0 EER2,15.2 SEER2	
Sensible cooling	16380	Btuh
Latent cooling	7020	Btuh
Total cooling	23400	Btuh
Actual air flow	780	cfm
Air flow factor	0.058	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.82	

957-333.4.11

Bold/italic values have been manually overridden

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

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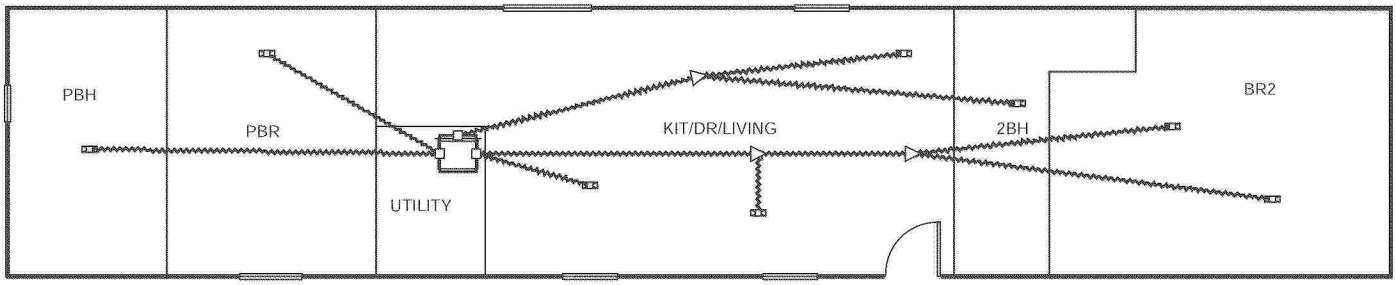
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Level 1



957-333.4.12

Job #: 333 (2BR OPTION) (OVERHEAD HV
Performed by CLAYTON ROCKWELL for
333 (2BR OPTION) (OVERHEAD HVAC)

ROCKWELL, NC

Scale: 1 : 127

Right-Suite® Universal 2023
23.0.04 RSU59541
2024-May-20 11:05:48
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CLAYTON HOME BUILDING GROUP

ZONES 1 & 2

Model Number	333	Drawing Number	333	Version 13

BOX SIZE: 15 ft. x 76 ft.
AVG. SIDEWALL HEIGHT = 8 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 0%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT ROOF
INSULATION VALUES	R-22 FW	R-13	R-38
DAPIA PAGE	THP-164	THP-552	THP-2013
U VALUE (BTUH/SQ.FT.-F)	0.045	0.0808	0.0297

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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
11	0
14	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

		Area	U Value	UA
Doors:	Front	21.00	0.260	5.46
	Rear	21.00	0.170	3.57
	Other Door	0.00	0.260	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	115.00	0.300	34.50
	Option	43.00	0.280	12.04
Net:	Floor	1140.00	0.045	51.76
	Wall	1256.00	0.081	101.48
	Ceiling	1140.00	0.0297	33.86
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

Enery Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	349.2
Th. Zone 2	161.7
Th. Zone 3	25.3

	Outdoor Design Temp (F)	UA	Uo	Heatloss BTUH/F
Thermal Zone 1	11	242.67	0.065	370.10
Thermal Zone 2	0	242.67	0.065	370.10
Thermal Zone 3	-14	242.67	0.065	370.10

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-22	5	10kW
-41	-7	12kW
-68	-27	15kW
-38	-6	40k Gas
-92	-43	60k Gas
-146	-81	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

ZONE 3

Model Number	333	Drawing Number	333	Version 13

BOX SIZE: 15 ft. x 76 ft.
AVG. SIDEWALL HEIGHT = 8 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 0%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT ROOF
INSULATION VALUES	(2) R-11 OR / R-33 BIB	R-21	R-38
DAPIA PAGE	THP-3004	THP-560	THP-2013
U VALUE (BTUH/SQ.FT.-F)	0.039	0.0541	0.0297

APPROVED BY NTA INC. 8/2/2023
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
11	0
14	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

		Area	U Value	UA
Doors:	Front	21.00	0.260	5.46
	Rear	21.00	0.170	3.57
	Other Door	0.00	0.260	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	115.00	0.300	34.50
	Option	43.00	0.280	12.04
Net:	Floor	1140.00	0.039	44.35
	Wall	1256.00	0.054	67.95
	Ceiling	1140.00	0.0297	33.86
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

Enery Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	494.9
Th. Zone 2	327.8
Th. Zone 3	206.2

	Outdoor Design Temp (F)	UA	Uo	Heatloss BTUH/F
Thermal Zone 1	11	201.72	0.054	329.10
Thermal Zone 2	0	201.72	0.054	329.10
Thermal Zone 3	-14	201.72	0.054	329.10

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-34	-3	10kW
-54	-17	12kW
-86	-39	15kW
-52	-15	40k Gas
-112	-58	60k Gas
-173	-100	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

GLAMOUR OPTION ZONES 1 & 2

Model Number	333	Drawing Number	333	Version 13

BOX SIZE: 15 ft. x 76 ft.
AVG. SIDEWALL HEIGHT = 8 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 0%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT ROOF
INSULATION VALUES	R-22 FW	R-13	R-38
DAPIA PAGE	THP-164	THP-552	THP-2013
U VALUE (BTUH/SQ.FT.-F)	0.045	0.0808	0.0297

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
14	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

APPROVED BY
NTA INC. 8/2/2023
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

		Area	U Value	UA
Doors:	Front	21.00	0.150	3.15
	Rear	21.00	0.260	5.46
	Other Door	0.00	0.280	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	122.00	0.300	36.60
	Option	43.00	0.280	12.04
Net:	Floor	1140.00	0.045	51.76
	Wall	1249.00	0.081	100.92
	Ceiling	1140.00	0.0297	33.86
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

Enery Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	351.1
Th. Zone 2	163.6
Th. Zone 3	27.2

	Outdoor Design Temp (F)	UA	Uo	Heatloss BTUH/F
Thermal Zone 1	11	243.78	0.065	371.20
Thermal Zone 2	0	243.78	0.065	371.20
Thermal Zone 3	-14	243.78	0.065	371.20

Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-22	6	10kW
-40	-7	12kW
-68	-27	15kW
-38	-5	40k Gas
-92	-43	60k Gas
-146	-81	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

GLAMOUR OPTION ZONE 3

Model Number	333	Drawing Number	333	Version 13

BOX SIZE: 15 ft. x 76 ft.
AVG. SIDEWALL HEIGHT = 8 FEET
PERCENTAGE OF CEILING THAT IS VAULTED = 0%

IN-FLOOR DUCT SYSTEM

	UNHEATED FLOOR	WALL	FLAT ROOF
INSULATION VALUES	(2) R-11 OR / R-33 BIB	R-21	R-38
DAPIA PAGE	THP-3004	THP-560	THP-2013
U VALUE (BTUH/SQ.FT.-F)	0.039	0.0541	0.0297

Overhead Duct	
Diameter	Length
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
14	0
Exterior Supply	**Length**
14	0
16	0
Exterior Return	**Length**
14	0
16	0

APPROVED BY NTA INC. 8/2/2023
FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS

			Area	U Value	UA
Doors:		Front	21.00	0.150	3.15
		Rear	21.00	0.260	5.46
		Other Door	0.00	0.280	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	122.00	0.300	36.60
		Option	43.00	0.280	12.04
Net:		Floor	1140.00	0.039	44.35
		Wall	1249.00	0.054	67.57
		Ceiling	1140.00	0.0297	33.86
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

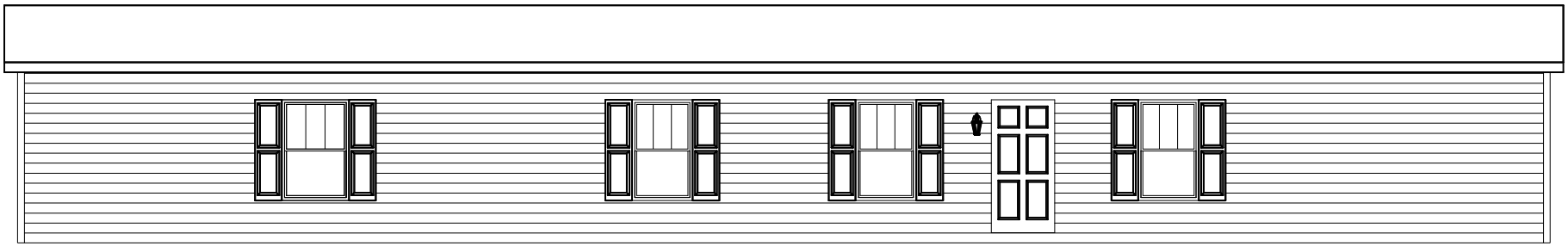
Enery Star v3 & ZERH Max Glass (sq ft)	
Th. Zone 1	496.6
Th. Zone 2	329.5
Th. Zone 3	208.0

	Outdoor Design Temp (F)	UA	Uo	Heatloss BTUH/F
Thermal Zone 1	11	203.02	0.054	330.40
Thermal Zone 2	0	203.02	0.054	330.40
Thermal Zone 3	-14	203.02	0.054	330.40

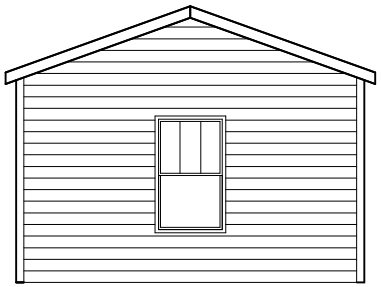
Design Temperatures

Furnace Heating Temp (F)	Economy Outdoor Temp (F)	
-33	-2	10kW
-54	-17	12kW
-85	-38	15kW
-51	-15	40k Gas
-112	-57	60k Gas
-172	-99	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



FRONT ELEVATION



RIGHT SIDE ELEVATION

BRAND	SERIES
CLAYTON	FS16

CLAYTON
HOME BUILDING GROUP

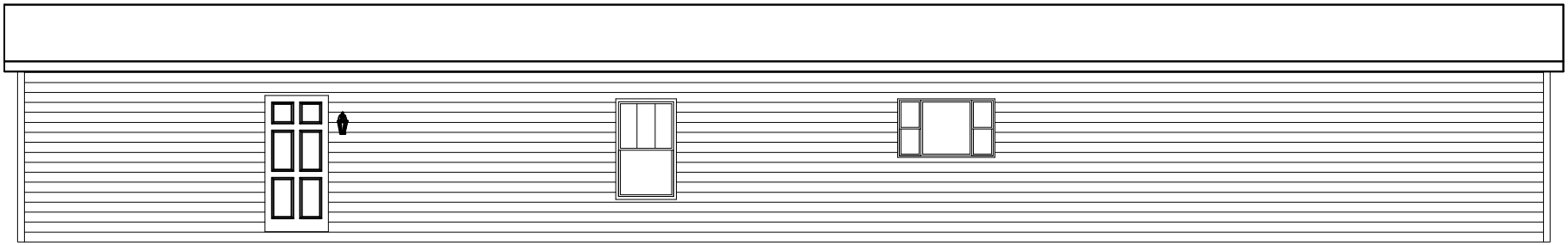
REVISIONS	BY	DATE

GENERAL NOTES

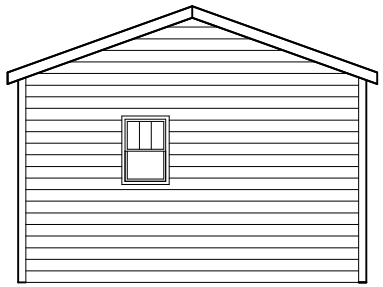
DRAWING TITLE

EXTERIOR ELEVATION
FRONT & RIGHT SIDE

MODEL NAME			SQ. FT.
333			1140
PLANT	DESCRIPTION		MODEL NO.
957	16X76 3BR-2BA		333
DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	10/10/2024	20-1



BACK ELEVATION



LEFT SIDE ELEVATION

BRAND	SERIES
CLAYTON	FS16

CLAYTON
HOME BUILDING GROUP

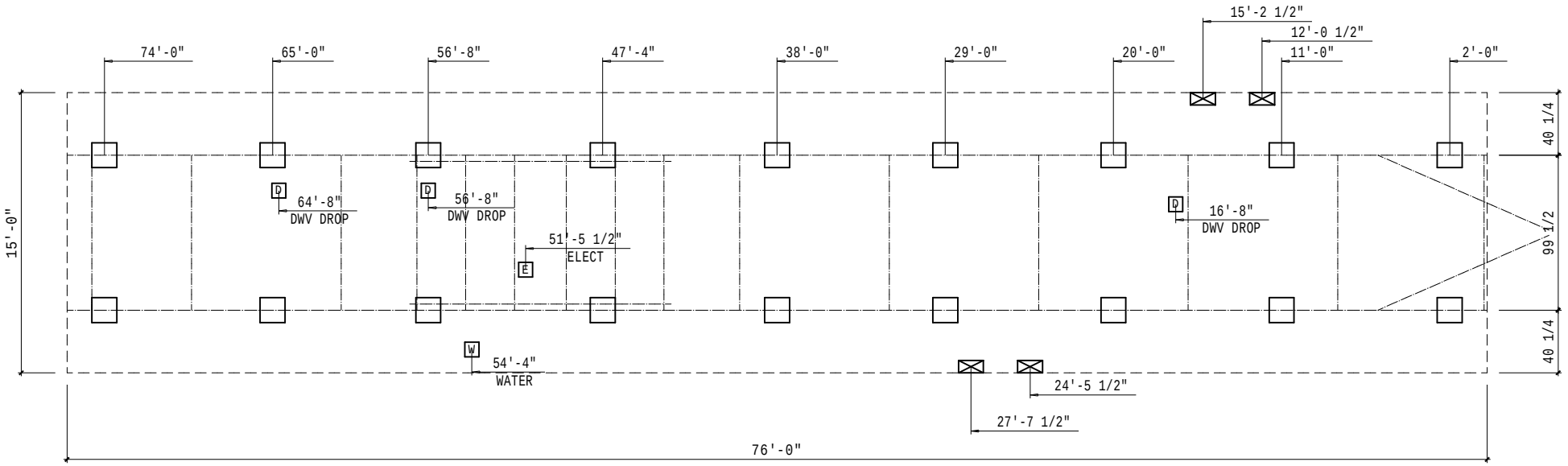
REVISIONS	BY	DATE

GENERAL NOTES

DRAWING TITLE

EXTERIOR ELEVATION
BACK & LEFT SIDE

MODEL NAME			SQ. FT.
333			1140
PLANT	DESCRIPTION		MODEL NO.
957	16X76 3BR-2BA		333
DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	10/10/2024	20-2



SERVICE ENTRANCE LEGEND
E = ELECTRICAL DROP
W = WATER INLET
D = DWV PLUMBING DROP
G = GAS INLET
NOTE: ALL LOCATIONS ARE APPROXIMATE

CRAWLSPACE VENTILATION
VENTILATION IS BASED ON 144 SQ. IN. OF VENT FOR EVERY 300 SQ. FT. OF CRAWLSPACE AREA WITH APPROVED VAPOR RETARDER MATERIAL. ONE SUCH VENT MUST BE WITHIN 3 FT. OF EACH CORNER

1140 SQ. FT. OF CRAWLSPACE AREA
548 SQ. IN. OF VENT REQUIRED
11 VENTS NEEDED @ 52 SQ. IN. EACH
572 SQ. IN. VENTILATION INSTALLED MINIMUM

FOUNDATION SLOP NOTE

PIER LEGEND
= SUPPORT AT MATING COLUMN
= SUPPORT UNDER MATING WALL
= SUPPORT UNDER MATING OPENING
= SUPPORT AT PORCH/RECESSED ENTRY
= SUPPORT UNDER MAIN I-BEAM
= SUPPORT UNDER PERIMETER WALL
= SUPPORT AT CROSS I-BEAM BASEMENT

BRAND: CLAYTON
SERIES: FS16

CLAYTON
HOME BUILDING GROUP

REVISIONS	BY	DATE

GENERAL NOTES
FOOTING SIZES VARY BASED ON SOIL BEARING CAPACITY AND PIER LOADS
REFER TO INSTALLATION MANUAL FOR PROPER FOOTING SIZING
( ) - DIMENSIONS DENOTES 2X6 WALLS OPTION

DRAWING TITLE
PIER SET
99 1/2 BEAM SPACING

MODEL NAME: 333
SQ. FT.: 1140

PLANT	DESCRIPTION	MODEL NO.
957	16X76 3BR-2BA	333

DRAWN BY	ORIG. DATE	DATE PRINTED	SHEET NO.
KLK	04/18/2024	10/10/2024	21-PS-99