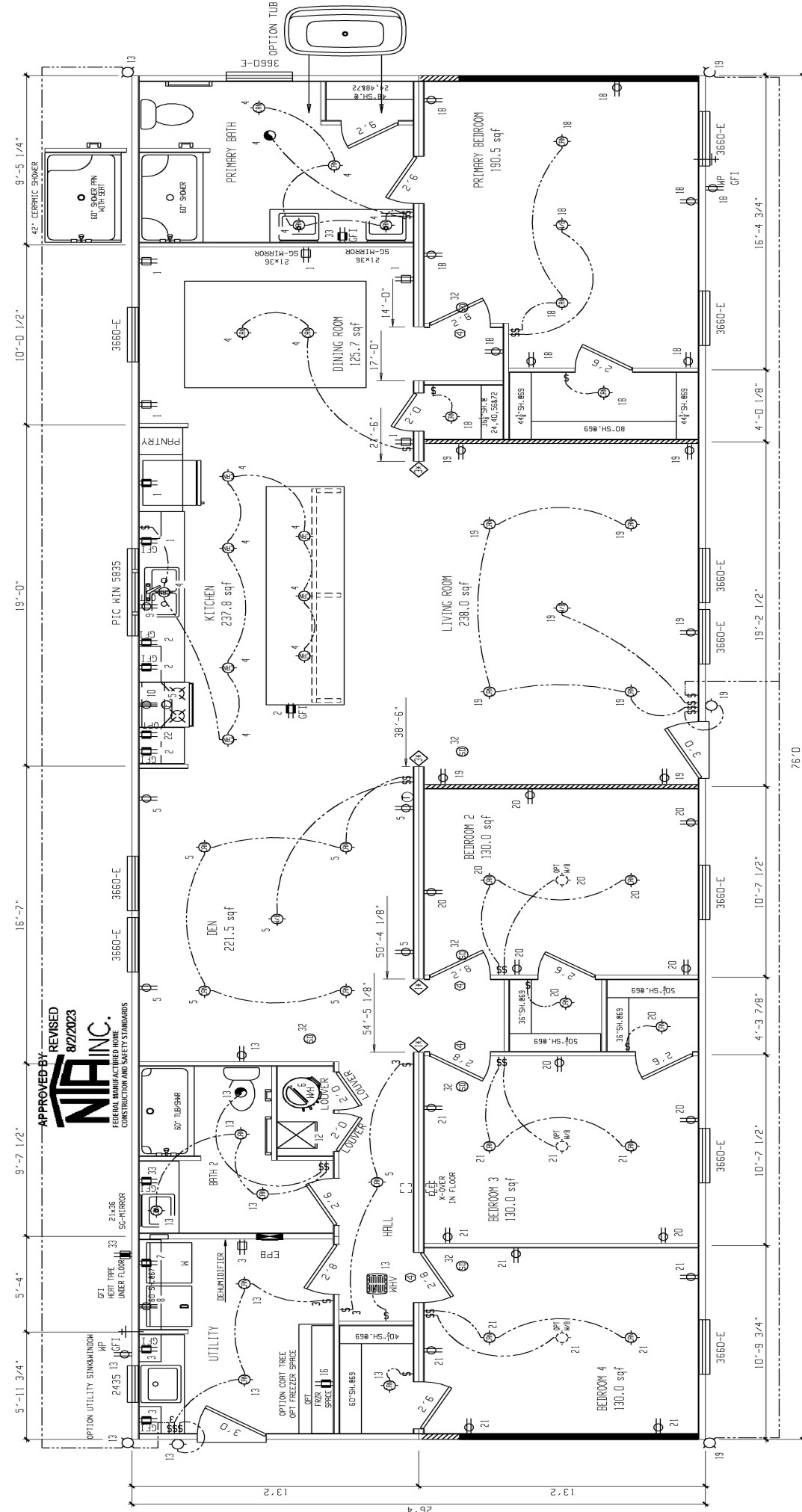


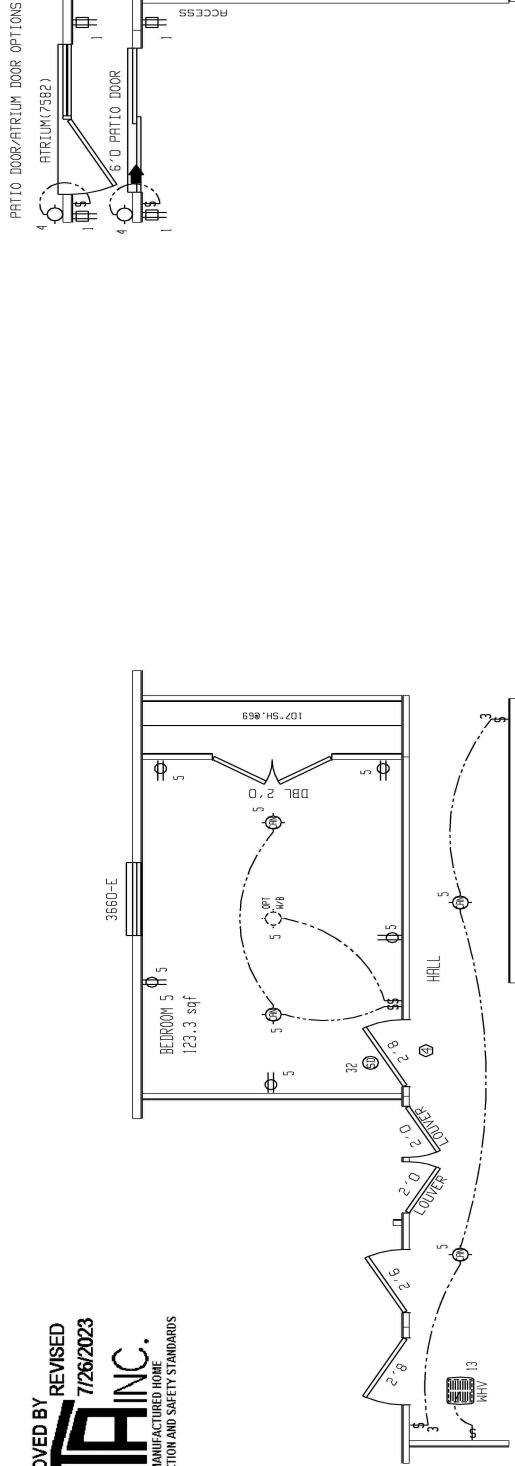
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57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

REVISIONS										GENERAL NOTES										DRAWING TITLE									
SERIES					BM28															MASTER PLAN									
CLAYTON																													
BRAND																													



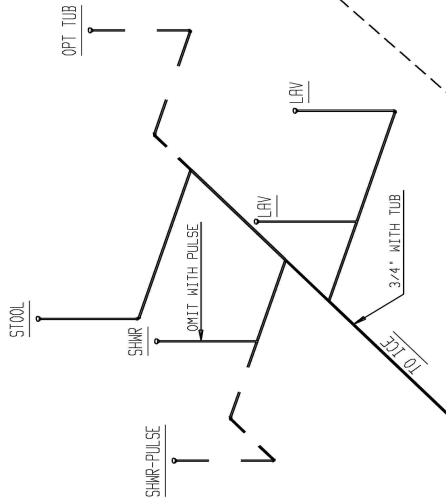
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BRAND		SERIES		REVISIONS										BY		DATE		GENERAL NOTES										DRAWING TITLE										MODEL NAME		SO. FT.					
CLAYTON		BM28																CEILING HEIGHT = 96.00 REFER TO DRAPIA PAGE MM-2.0 FOR AREA LIGHT & VENT REFER TO DRAPIA PAGE EL-1.2 FOR ELEC. SYMBOL & BRANCH CIRCUIT NUMBER										MASTER PLAN #2										4225		2001					
																																						PLANT		MODEL NO.					
																																						957		4225					
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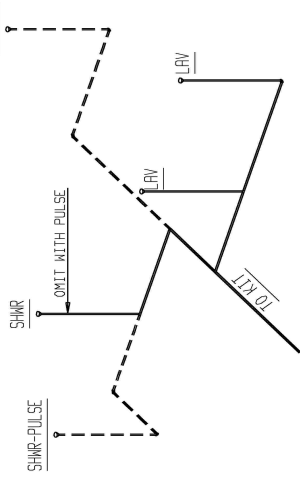
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NTA 7/18/2023
INC.
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

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

WITH OPT CERAMIC SHOWER BATH



WITH OPT CERAMIC SHOWER BATH



ICEPICKER

KIT SINK

STOOL

MAIN CUT-OFF

WSHR

LAV

MAIN

UTIL SINK OPT

HOSE BIBB

HOSE BIBB

3/4" WITH OPT TUB

KIT SINK

D/W

WSHR

LAV

LAV

TUB OPT

TUB

WSHR

LAV

H/W

UTIL SINK

957-4225.1

COLD WATER SUPPLY PLUMBING

HOT WATER SUPPLY PLUMBING

PIPE LEGEND

1"

3/4"

1/2"

BRAND
CLAYTON

SERIES
BM28

4225

SUPPLY PLUMBING

GENERAL NOTES
HOSE BIBBS PER SPECS

REVISIONS

CLAYTON HOME BUILDING GROUP

MODEL NAME

4225

PLANT
957

DESCRIPTION
28X76 4BR-2BA

MODEL NO.

4225

DRAWN BY
GDB

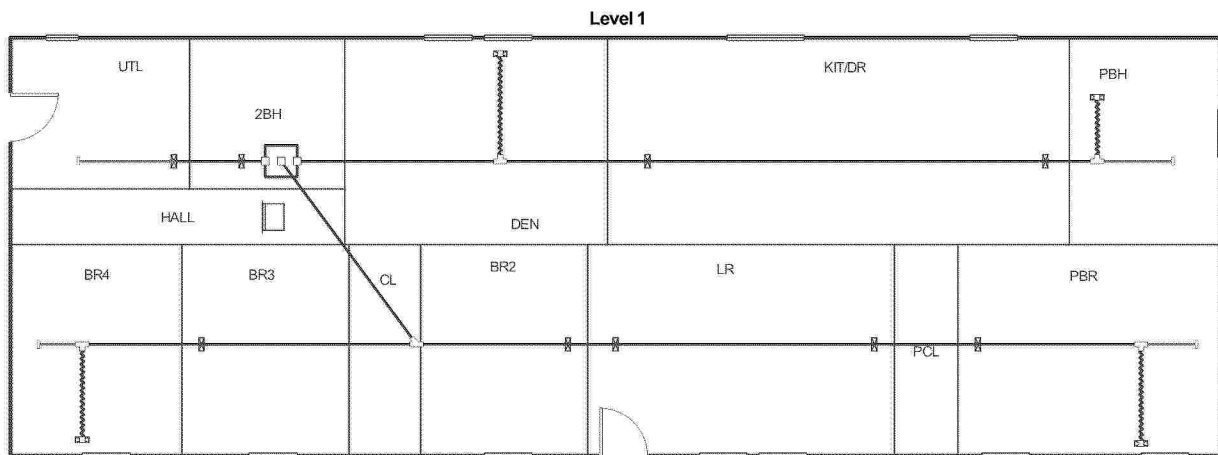
DATE PRINTED
07/17/2023

SHEET NO.

9-1



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INC.
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS



957-4225.4.1

Job #: 4225(I)
Performed by CLAYTON ROCKWELL for:
4225(I)
ROCKWELL, NC

Scale: 1 : 136
Page 1
Right-Suite® Universal 2023
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Project Summary Entire House

Job: 4225(I)
Date: July 17, 2023
By: CLAYTON ROCKWELL

Project Information

For: 4225(I), CLAYTON 957
ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 31,767 BTU/HR

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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	19336 Btuh
Ducts	0 Btuh
Central vent (90 cfm)	4338 Btuh
Outside air	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	23673 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17494 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	19369 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	2457 Btuh
Ducts	0 Btuh
Central vent (90 cfm)	2465 Btuh
Outside air	
Equipment latent load	4923 Btuh

	Heating	Cooling
Area (ft²)	1995	1995
Volume (ft³)	15960	15960
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	101	53

Equipment Total Load (Sen+Lat)	24292 Btuh
Req. total capacity at 0.70 SHR	2.3 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	33 °F
Actual air flow	953 cfm
Air flow factor	0.049 cfm/Btuh
Static pressure	0.30 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Smart Comfort
Trade	PERFORMANCE 14 SEER2 AC
Cond	R4A4S30*K*NAA*
Coil	FEVA0036**+NAVA43601CK
AHRI ref	0
Efficiency	12.5 EER2, 15 SEER2
Sensible cooling	20020 Btuh
Latent cooling	8580 Btuh
Total cooling	28600 Btuh
Actual air flow	953 cfm
Air flow factor	0.054 cfm/Btuh
Static pressure	0.30 in H2O
Load sensible heat ratio	0.80

957-4225.4.2

Bold/italic values have been manually overridden

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



Wrightsoft

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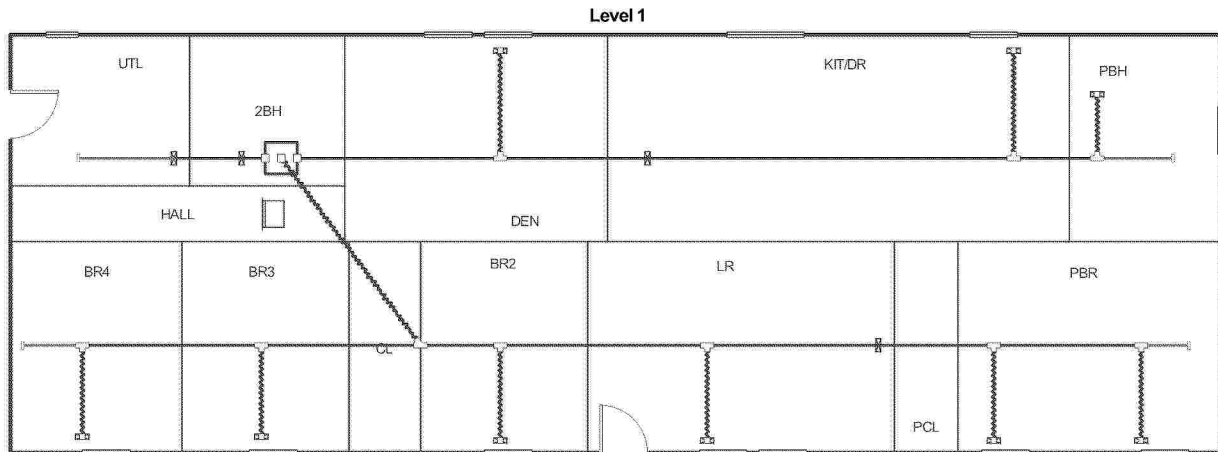
...uglOneDrive - Clayton Homes\Desktop\4225(I).rup Calc = MJ8 Front Doorfaces: N

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Page 1



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NIA 7/18/2023
INC.
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CONSTRUCTION AND SAFETY STANDARDS



957-4225.4.3

Job #: 4225(P)
Performed by CLAYTON ROCKWELL for:
4225(P)
ROCKWELL, NC

Scale: 1 : 136
Page 1
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Project Summary Entire House

APPROVED BY
NIA INC. 7/18/2023
FEDERAL MANUFACTURED HOME
CONSTRUCTION AND SAFETY STANDARDS

Job: 4225(P)
Date: July 17, 2023
By: CLAYTON ROCKWELL

Project Information

For: 4225(P), CLAYTON 957
ROCKWELL, NC

Notes: DUCT COOLING CAPACITY = 31,767 BTU/HR

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	19336 Btuh
Ducts	0 Btuh
Central vent (90 cfm)	4338 Btuh
Outside air	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	23673 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17294 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	19170 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	2457 Btuh
Ducts	0 Btuh
Central vent (90 cfm)	2465 Btuh
Outside air	
Equipment latent load	4923 Btuh

	Heating	Cooling
Area (ft²)	1995	1995
Volume (ft³)	15960	15960
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	101	53

Equipment Total Load (Sen+Lat)	24093 Btuh
Req. total capacity at 0.70 SHR	2.3 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	33 °F
Actual air flow	953 cfm
Air flow factor	0.049 cfm/Btuh
Static pressure	0.30 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Smart Comfort
Trade	PERFORMANCE 14 SEER2 AC
Cond	R4A4S30*K*NAA*
Coil	FEVA0036**+NAVA43601CK
AHRI ref	0
Efficiency	12.5 EER2, 15 SEER2
Sensible cooling	20020 Btuh
Latent cooling	8580 Btuh
Total cooling	28600 Btuh
Actual air flow	953 cfm
Air flow factor	0.055 cfm/Btuh
Static pressure	0.30 in H2O
Load sensible heat ratio	0.80

Bold/italic values have been manually overridden

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



Wrightsoft

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