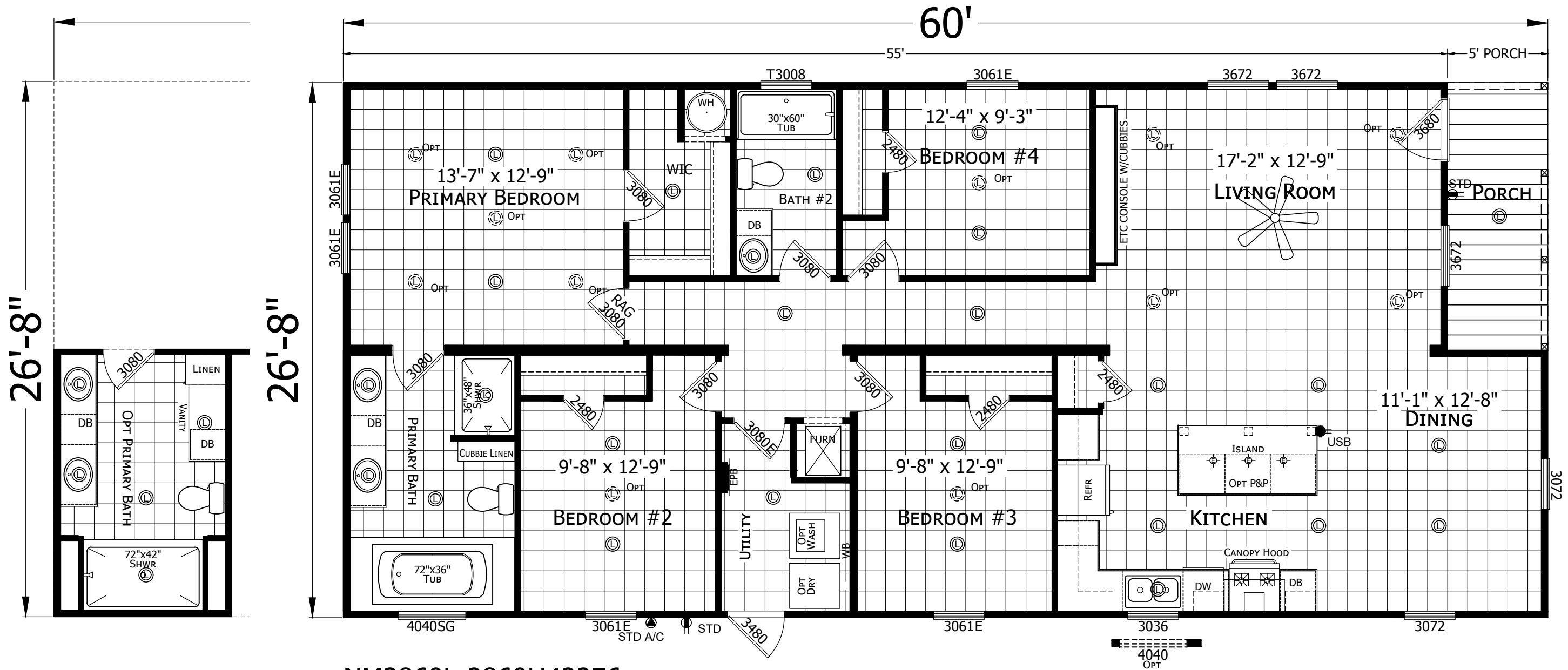


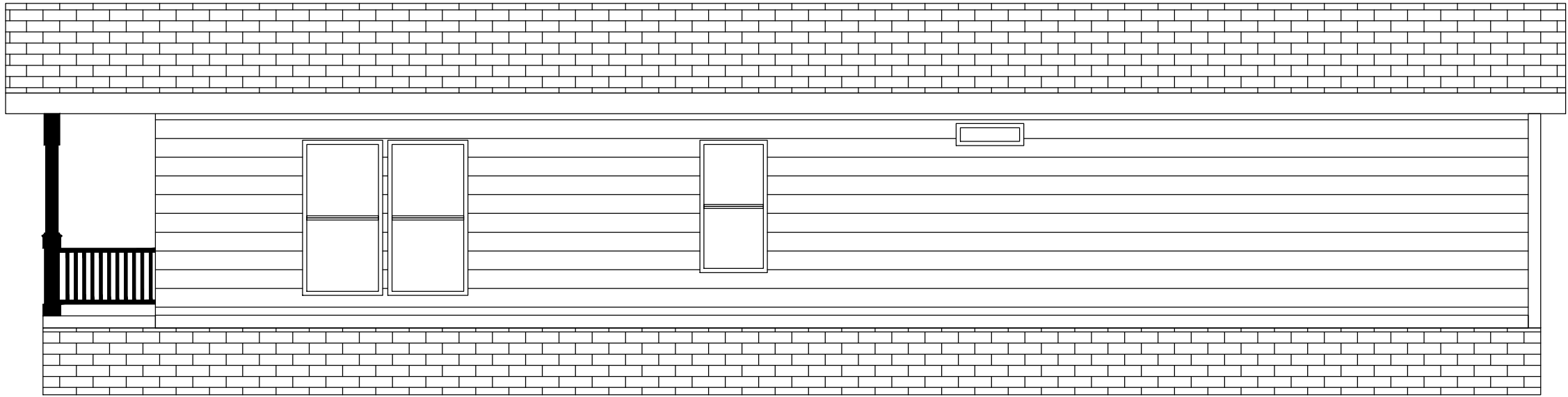
CONTENTS:

- 1. COVER SHEET
- 2. LITERATURE PLAN
- 3. ELEVATIONS
- 4. DROP SHEET
- 5. FOUNDATION PIER
- 6. PFS STAMPED PRINTS

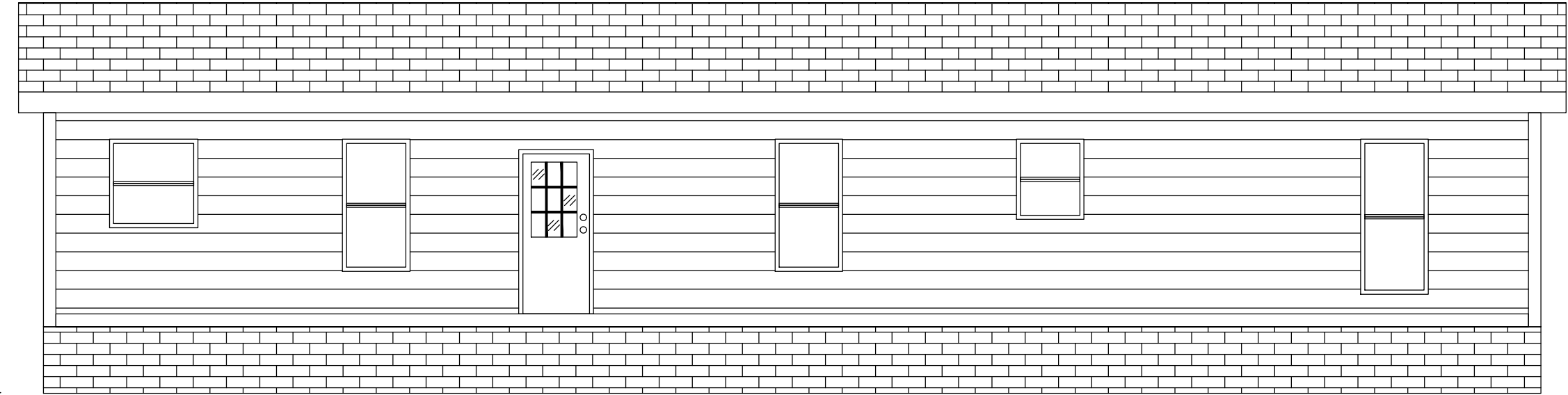


NM2860L-2860H42276
4 BEDROOM 2 BATH
60'-0" x 26'-8"
1600 SQ. FT. TOTAL

FRONT
ELEVATION



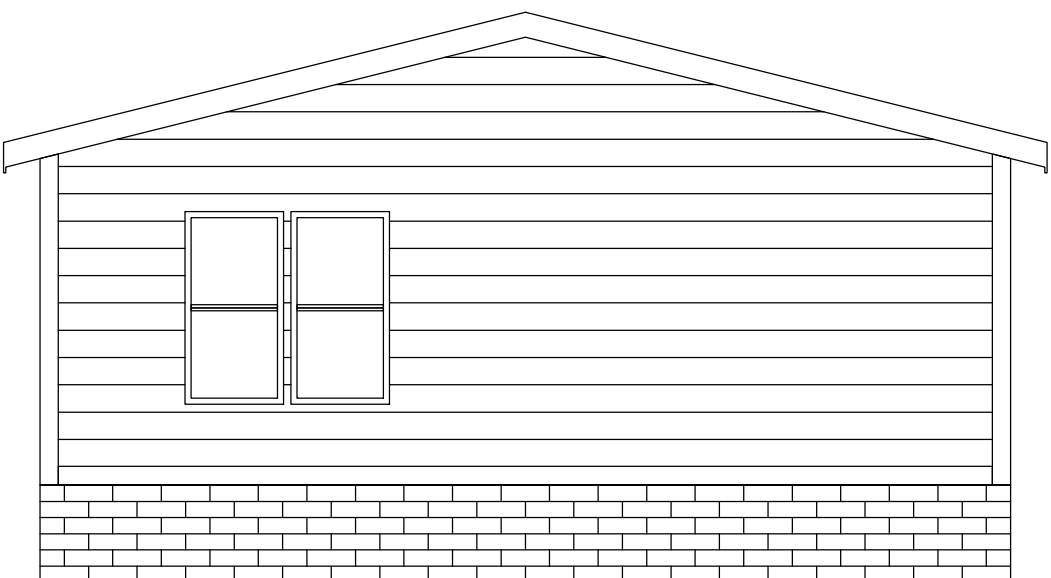
REAR
ELEVATION



LEFT
ELEVATION



RIGHT
ELEVATION



CHAMPION

501 S. BURLESON BLVD. BURLESON, TX 76028

PLEASE NOTE: Champion Homes reserves the right to make changes at any time in prices, specifications and design without notice and/or obligation. All dimensions and specifications are nominal and subject to change. It is also the responsibility of the Retailer, Builder, Developer, and/or Consumer to verify and submit specs to all regulatory agencies including but not limited to Cities, Counties, protective covenants, etc., prior to ordering the home. All changes required by local regulatory agencies will be the responsibility of the seller/buyer, unless properly submitted to the manufacturing facility prior to the order placement and acceptance. All changes will be considered on a case-by-case basis and charged accordingly. Champion Homes will not take responsibility for additional requirements without having full knowledge of such at the time the order is placed. All design details and notes are suggestive only and are subject to the jurisdiction of the state and local codes. See local building department for frost line and soil requirements.

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TITLE:
ELEVATION PLAN

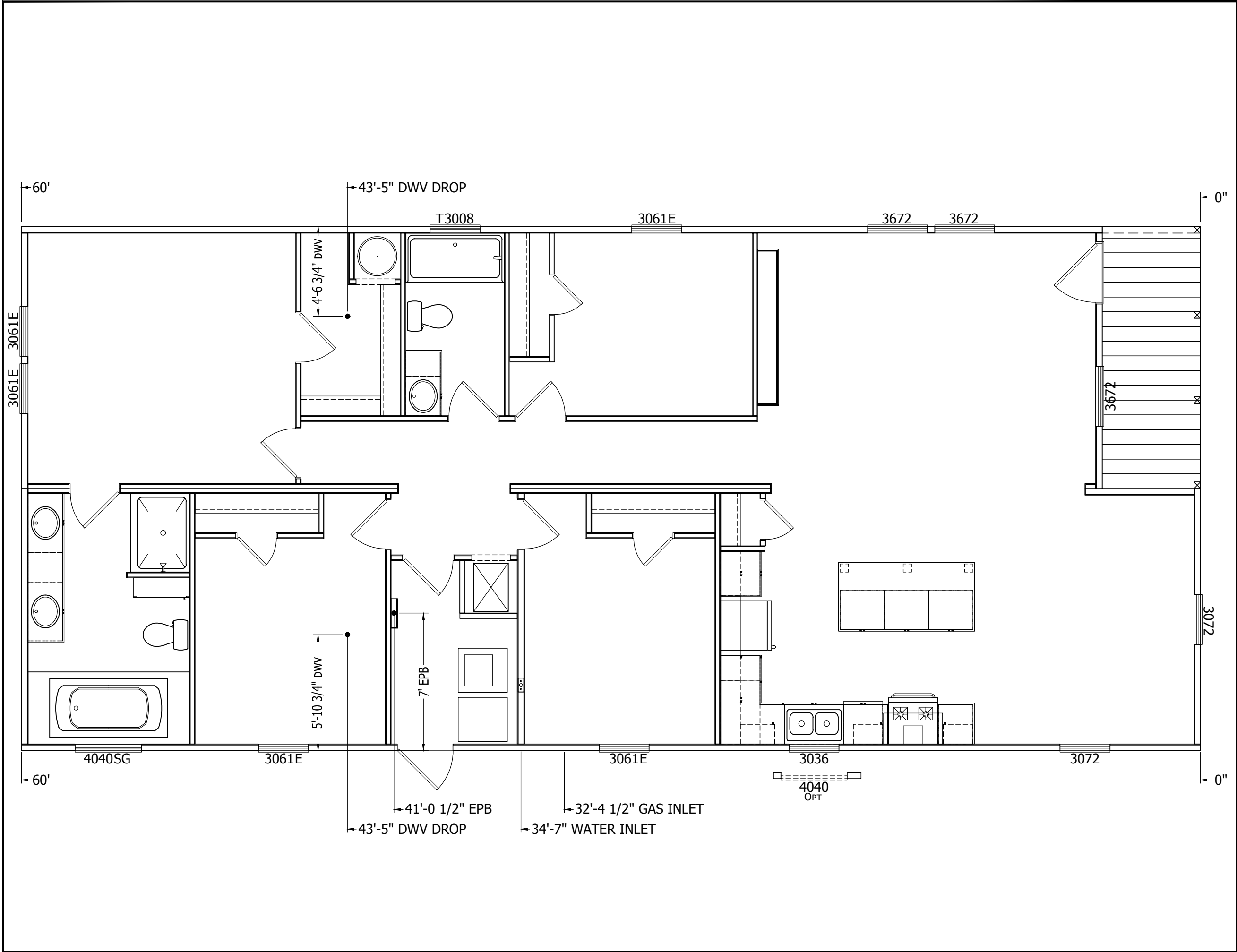
MODEL:
NM2860L-2860H42276
60'-0" x 26'-8"

DATE: 01-14-25
SCALE: NOT TO SCALE
DRAWN BY: ABEL
REVISED:

REVISIONS

SHEET NO:
EV-101

PAGE: NM2860L



CHAMPION

501 S. BURLESON BLVD. BURLESON, TX 76028

placed. All design details and notes are suggestive only and are subject to the jurisdiction of the state and local codes. See local building department for frost line and soil requirements.

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TITLE:	SERVICE DROPS
MODEL:	NM2860L-2860H42276 60'-0" x 26'-8"
DATE:	01-14-25
SCALE:	NOT TO SCALE
DRAWN BY:	ABEL
REVISED:	
REVISIONS	
SHEET NO:	S-101
PAGE:	NM2860L

FOUNDATION PLAN IS FOR GENERIC REFERENCE ONLY. SPECIFIC FOUNDATION DESIGN MUST CONSIDER ACTUAL SITE CONDITIONS AND BE PERFORMED BYLOCAL REGISTERED ARCHITECT OR ENGINEER. ALL ASPECTS OF FOUNDATION SUPPORT ARE TO BE PERFORMED ON SITE BY OTHERS UNDER REQUIREMENTS AND JURISDICTION OF LOCAL BUILDING OFFICIALS. ** IF FLOOR PLAN HAS BEEN MIRRORED IN ANY MANNER, THIS ORIENTATION MAY NOT APPLY.

ALTERNATE FOUNDATION DESIGNS SUCH AS PIER FOUNDATIONS MUST BE PERFORMED BY A LOCAL DESIGN PROFESSIONAL AND MUST ACCOMMODATE GRAVITY REACTIONS AS WELL AS REACTIONS FROM BUILDING MAIN WIND FORCE RESISTING SYSTEM.

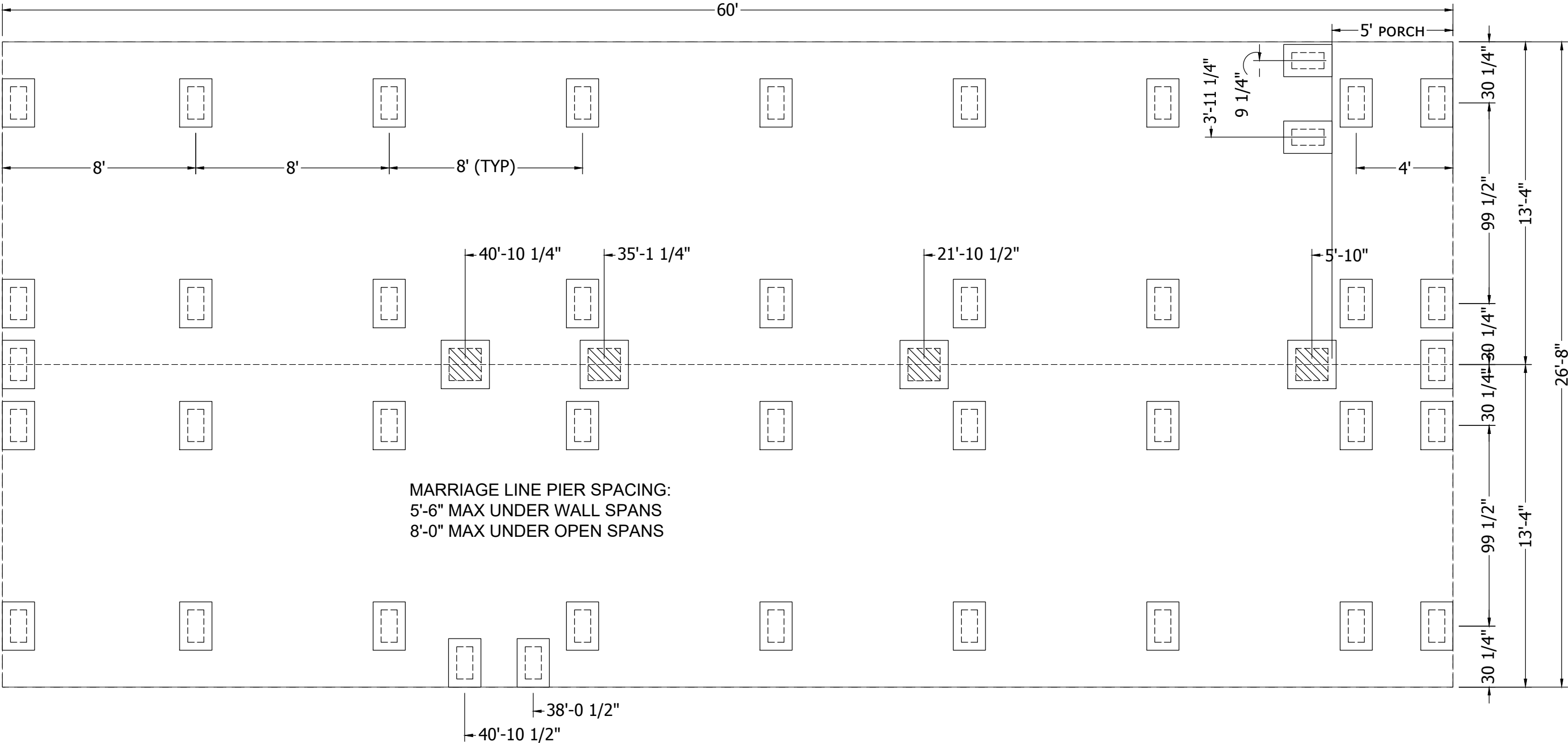
GROUND MUST SLOPE TO DRAIN WATER AWAY FROM HOUSE 1/2" (MIN.) PER FOOT. IF WALLS ARE BUILT AROUND PERIMETER UNDER PORCH, WALLS AND GRADING MUST ASSURE SURFACE WATER DRAINAGE FROM UNDER PORCH.



PIERS AT MATING LINE UNDER COLUMNS THAT SUPPORT ROOF MATING BEAM

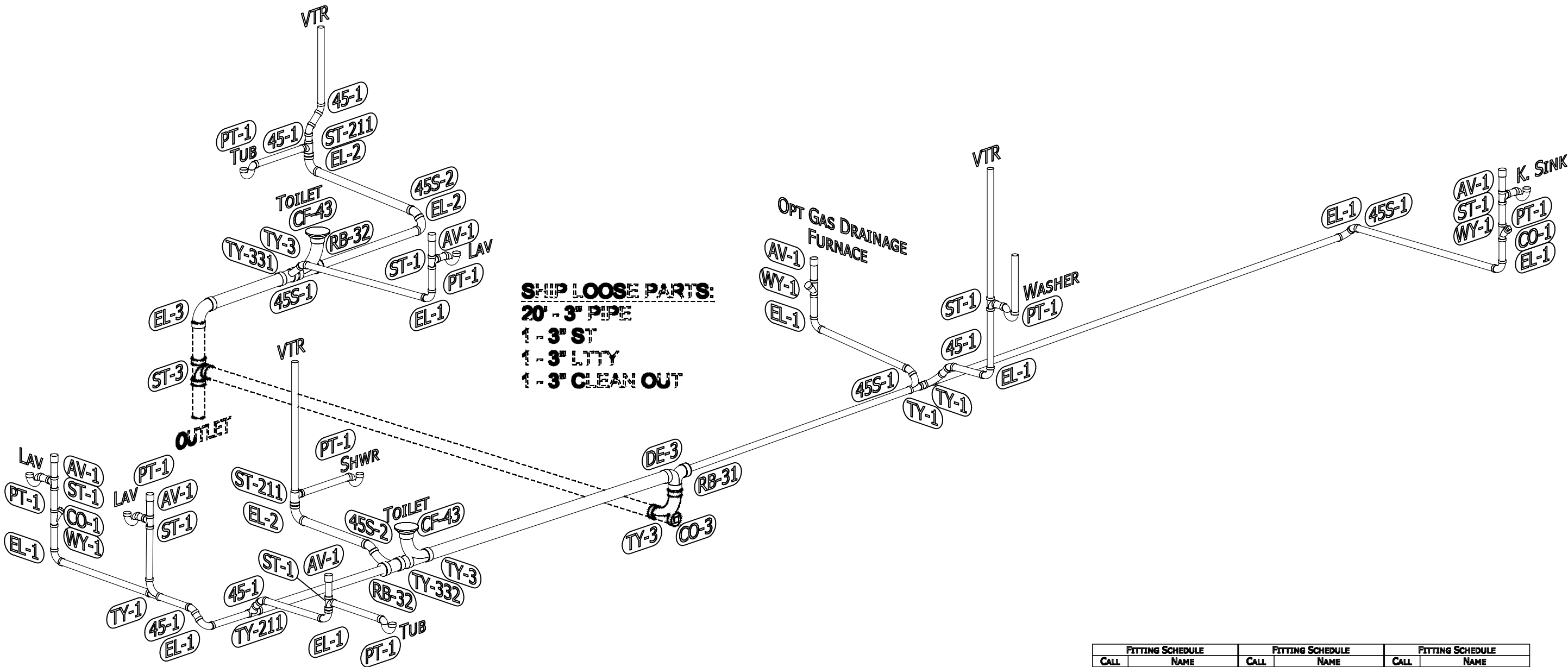


PIERS AT MATING LINE AND SUPPORTING STEEL FRAME



NOTES:

- 1. PIPE SIZES DETERMINED BY FITTINGS ON EACH SIDE.
- 2. SITE INSTALLED PLUMBING NOTED BY ----- .



FITTING SCHEDULE		FITTING SCHEDULE		FITTING SCHEDULE	
CALL	NAME	CALL	NAME	CALL	NAME
45-1	1 1/2" 45° ELL	EL-1	1 1/2" LT 90° ELL	TY-1	1 1/2" LTTY
45-1	1 1/2" 45° ELL	EL-2	2" LT 90° ELL	TY-211	2" x 1 1/2" x 1 1/2" LTTY
45S-1	1 1/2" 45° STREET ELL	EL-3	3" LT 90° ELL	TY-3	3" LTTY
45S-2	2" 45° STREET ELL	PT-1	1 1/2" P-TRAP	TY-331	3" x 3" x 1 1/2" LTTY
AV-1	1 1/2" AUTO VENT	RB-31	3" x 1 1/2" BUSHING	TY-332	3" x 3" x 2" LTTY
CF-43	4" x 3" CLOSET FLANGE	RB-32	3" x 2" BUSHING	WY-1	1 1/2" WYE
CO-1	1 1/2" CLEANOUT	ST-1	1 1/2" TEE		
DE-3	3" DBL ELL	ST-211	2" x 1 1/2" x 1 1/2" TEE		

CHAMPION

MANUFACTURED BEAUTIFULLY™

501 S. BURLESON BLVD. BURLESON, TX 76028
PHONE: 817-295-2267

PFS#08

Conforms to
HUD MHCSS
9/19/24

MODIFICATIONS

PROJECT:
NM2860L-2860H42276
60'-0" x 26'-8"
4 BD 2 BT

DRAWN BY: ABEL
DATE: 08-14-24
SCALE: 3/16" = 1'-0"

TITLE:
DRAIN LINE
PLAN

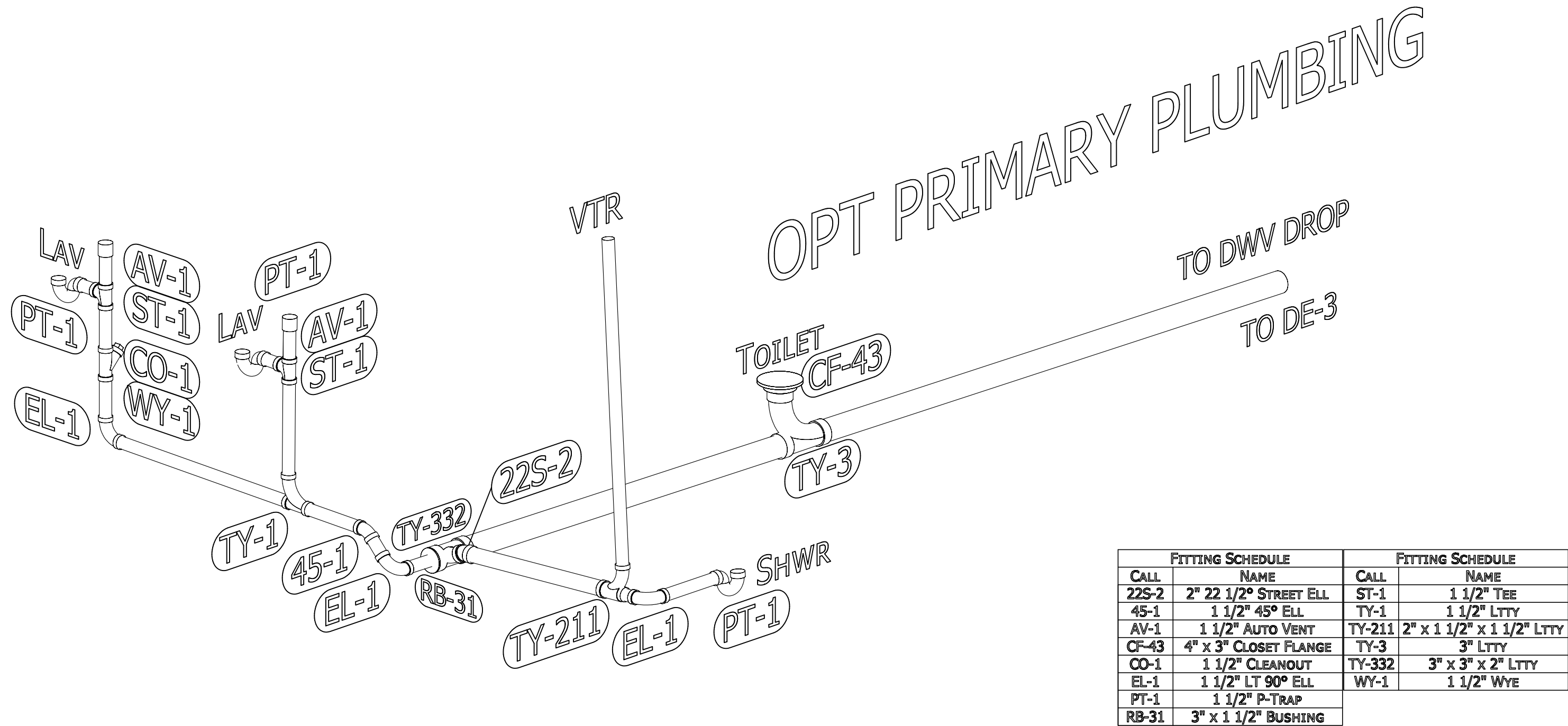
FILENAME: NM2860L-2860H42276-CARRIER-HUB

SHEET:
D-101
NM2860L

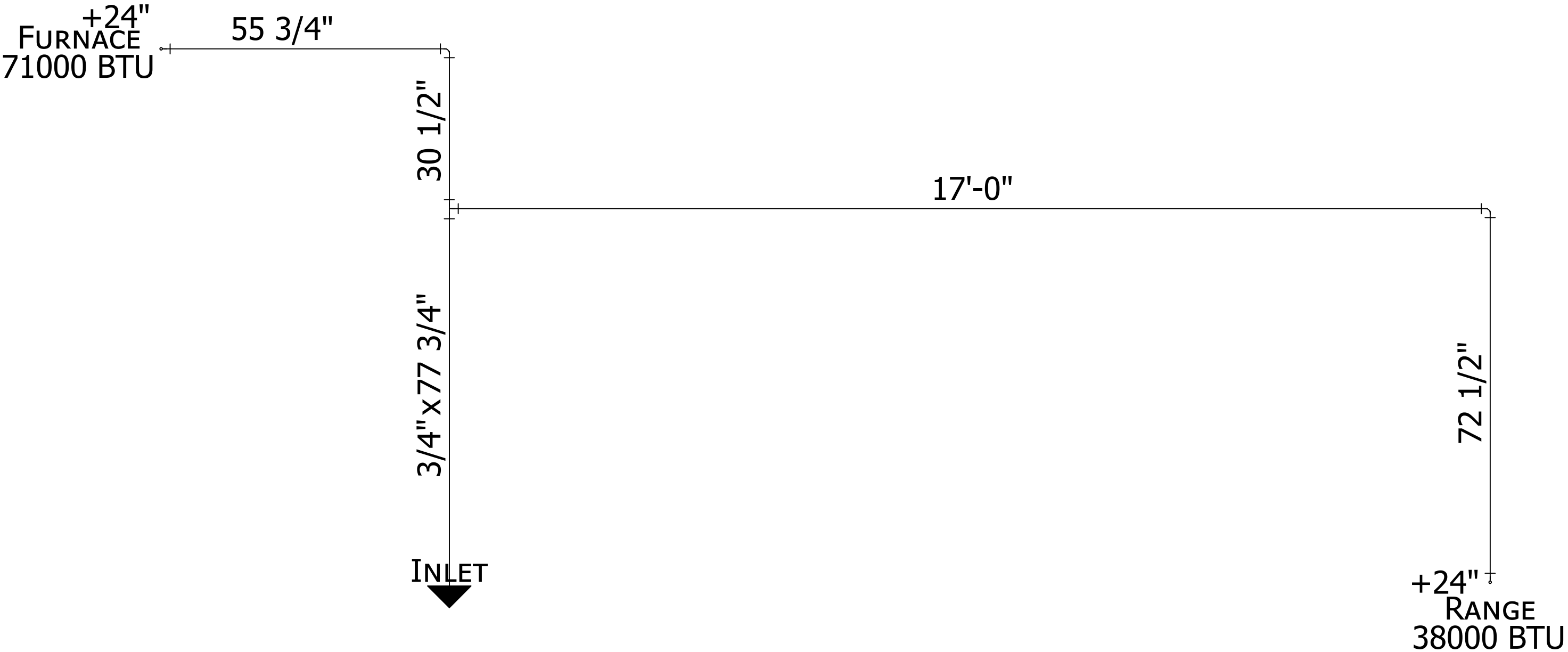
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NOTES:

- 1. PIPE SIZES DETERMINED BY FITTINGS ON EACH SIDE.
- 2. SITE INSTALLED PLUMBING NOTED BY ----- .



1. ALL PIPE SIZES 1/2" UNLESS OTHERWISE SPECIFIED
2. TOTAL BTU = 109,000
3. COLUMN LENGTH = 40'-0"



Overall Check = **PASS** Shear Wall System A - Layout / Design Model#: NM2860L-2860H42276

CHAMPION 125

Ground Tie Chart

Peir Height (in.)	Near Beam Angle (Deg.)	Far Beam Angle (Deg.)	Ground Tie Spacing (ft)	Max. Spacing (ft.)
12	42.44		11.48	11'-5"
20	50.64		9.87	9'-10"
28	56.73		8.62	8'-7"
36	61.33	20.89	14.53	14'-6"
44	64.89	24.00	14.21	14'-2"
52	67.70	26.97	13.86	13'-10"
60	69.97	29.79	13.50	13'-5"
68	71.83	32.46	13.12	13'-1"

* For monoslope homes only

Wind Zone = **1**
Wind Load = **15** psf
Module Width = **160** in
Number of Boxes = **2**
Wall Height = **96** in
Roof Pitch = **4.36** :12
Angle = **20.0** °
Roof Overhang = **12** in
Floor Joist Spacing = **16** in o.c.
Rim Joist Plies = **1**
Frame Spacing = **99.5** in
Beam Depth = **12** in
Open Porch = **0.00** ft.
Home Length = **60.00** ft.

Diaphragm Construction:

Diaphragm Type = **Gypsum Ceiling**
Foam Brand = **Dow Voramer**
Minimum Width = **160** in
Max plf = **219** plf
Max. End Wall Reaction = **5,840** lbs
Max. Interior Reaction = **11,680** lbs
Max. Span = **52.00** ft.

Wall Construction:

Bottom Plate Thickness = **2x**
Top Plate Thickness = **2x**
Wall to Floor Joist = **#10** x 4.0"
Wall to Ceiling Framing = **#10** x 3.5"
Wall to Wall Fastener = **#10** x 3.50"

Floor Construction:

Floor Joist Size = **2x6**
Floor Joist Species = **SYP**
Floor Joist Grade = **#2**
Structural Splice = **Yes**

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Left End Wall Shear Wall
Dist. To Next SW = **35.44** ft.
Manual Input = **--**
Load to Shearwall = **1063.1** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 2
Dist. To Next SW = **24.56** ft.
Manual Input = **--**
Load to Shearwall = **1800.0** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 3
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **736.9** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 4
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 5
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 6
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **156.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **81.8** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z1-1
Joist	1
Wall Scr.	8
SC O.C.	9 @ 19
SF O.C.	6 @ 26
Beam Lag	1

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **153.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **141.2** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z1-2
Joist	1
Wall Scr.	8
SC O.C.	16 @ 10
SF O.C.	11 @ 15
Beam Lag	2

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **64.75** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **136.6** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z1-3
Joist	2
Wall Scr.	8
SC O.C.	7 @ 10
SF O.C.	7 @ 10
Beam Lag	1

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **--**
Max. Shearwall plf = **--** plf

Result = **--**

Notes:

Overall Check = **PASS**

Shear Wall System A - Layout / Design

Model#: NM2860L-2860H42276

CHAMPION 125

Wind Zone = **II**
Wind Load = **39** psf
Module Width = **160** in
Number of Boxes = **2**
Wall Height = **96** in
Roof Pitch = **4.36** :12
Angle = **20.0** °
Roof Overhang = **12** in
Floor Joist Spacing = **16** in o.c.
Rim Joist Plies = **1**
Frame Spacing = **99.5** in
Beam Depth = **12** in
Open Porch = **0.00** ft.
Home Length = **60.00** ft.

Diaphragm Construction:

Diaphragm Type = **Gypsum Ceiling**
Foam Brand = **Dow Voramer**
Minimum Width = **160** in
Max plf = **219** plf
Max. End Wall Reaction = **5,840** lbs
Max. Interior Reaction = **11,680** lbs
Max. Span = **52.00** ft.

Wall Construction:

Bottom Plate Thickness = **2x**
Top Plate Thickness = **2x**
Wall to Floor Joist = **#10** x 4.0"
Wall to Ceiling Framing = **#10** x 3.5"
Wall to Wall Fastener = **#10** x 3.50"

Floor Construction:

Floor Joist Size = **2x6**
Floor Joist Species = **SYP**
Floor Joist Grade = **#2**
Structural Splice = **Yes**

Ground Tie Chart

Peir Height (in.)	Near Beam Angle (Deg.)	Far Beam Angle (Deg.)	Ground Tie Spacing (ft)	Max. Spacing (ft.)
12	42.44		5.33	5'-4"
20	50.64		5.33	5'-4"
28	56.73		4.85	4'-10"
36		20.89	5.33	5'-4"
44		24.00	5.33	5'-4"
52		26.97	5.33	5'-4"
60		29.79	5.33	5'-4"
68		32.46	5.33	5'-4"

* For monoslope homes only

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Left End Wall Shear Wall
Dist. To Next SW = **35.44** ft.
Manual Input = **--**
Load to Shearwall = **2764.2** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 2
Dist. To Next SW = **24.56** ft.
Manual Input = **--**
Load to Shearwall = **4680.0** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 3
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **1915.8** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 4
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 5
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.00** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 6
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **156.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **212.6** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z2-1
Joist	2
Wall Scr.	8
SC O.C.	23 @ 7
SF O.C.	16 @ 10
Beam Lag	3

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **153.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **367.1** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **2**
Max. Shearwall plf = **432** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z2-2
Joist	3
Wall Scr.	8
SC O.C.	34 @ 4.5
SF O.C.	26 @ 6
Beam Lag	5

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **60.75** in.
From Module Edge = **95.25** in.
Panel Length = **64.75** in.
Shearwall plf = **183.2** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z2-3
Joist	1
Wall Scr.	8
SC O.C.	16 @ 8
SF O.C.	12 @ 11
Beam Lag	2

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **--**
Max. Shearwall plf = **--** plf

Result = **--**

Notes:

Overall Check = **PASS** Shear Wall System A - Layout / Design Model#: **NM2860L-2860H42276**

CHAMPION 125

Ground Tie Chart

Peir Height (in.)	Near Beam Angle (Deg.)	Far Beam Angle (Deg.)	Ground Tie Spacing (ft)	Max. Spacing (ft.)
12	42.44		10.88	10'-10"
20	50.64		9.35	9'-4"
28	56.73		8.17	8'-2"
36	61.33	20.89	13.77	13'-9"
44	64.89	24.00	13.46	13'-5"
52	67.70	26.97	13.13	13'-1"
60	69.97	29.79	12.79	12'-9"
68	71.83	32.46	12.43	12'-5"

* For monoslope homes only

Wind Zone = **1**
Wind Load = **15** psf
Module Width = **160** in
Number of Boxes = **2**
Wall Height = **102** in
Roof Pitch = **4.36** :12
Angle = **20.0** °
Roof Overhang = **12** in
Floor Joist Spacing = **16** in o.c.
Rim Joist Plies = **1**
Frame Spacing = **99.5** in
Beam Depth = **12** in
Open Porch = **0.00** ft.
Home Length = **60.00** ft.

Diaphragm Construction:

Diaphragm Type = **Gypsum Ceiling**
Foam Brand = **Dow Voramer**
Minimum Width = **160** in
Max plf = **219** plf
Max. End Wall Reaction = **5,840** lbs
Max. Interior Reaction = **11,680** lbs
Max. Span = **52.00** ft.

Wall Construction:

Bottom Plate Thickness = **2x**
Top Plate Thickness = **2x**
Wall to Floor Joist = **#10** x 4.0"
Wall to Ceiling Framing = **#10** x 3.5"
Wall to Wall Fastener = **#10** x 3.50"

Floor Construction:

Floor Joist Size = **2x6**
Floor Joist Species = **SYP**
Floor Joist Grade = **#2**
Structural Splice = **Yes**

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Left End Wall Shear Wall
Dist. To Next SW = **35.44** ft.
Manual Input = **--**
Load to Shearwall = **1129.6** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 2
Dist. To Next SW = **24.56** ft.
Manual Input = **--**
Load to Shearwall = **1912.5** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 3
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **782.9** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 4
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 5
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 6
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **156.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **86.9** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z1-1
Joist	1
Wall Scr.	8
SC O.C.	10 @ 17
SF O.C.	6 @ 26
Beam Lag	2

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **153.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **150.0** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z1-2
Joist	1
Wall Scr.	8
SC O.C.	16 @ 10
SF O.C.	12 @ 13
Beam Lag	2

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **64.75** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **145.1** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z1-3
Joist	2
Wall Scr.	8
SC O.C.	7 @ 10
SF O.C.	7 @ 10
Beam Lag	1

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **--**
Max. Shearwall plf = **--** plf

Result = **--**

Notes:

Overall Check = **PASS** Shear Wall System A - Layout / Design Model#: **NM2860L-2860H42276**

CHAMPION 125

Wind Zone = **II**
Wind Load = **39** psf
Module Width = **160** in
Number of Boxes = **2**
Wall Height = **102** in
Roof Pitch = **4.36** :12
Angle = **20.0** °
Roof Overhang = **12** in
Floor Joist Spacing = **16** in o.c.
Rim Joist Plies = **1**
Frame Spacing = **99.5** in
Beam Depth = **12** in
Open Porch = **0.00** ft.
Home Length = **60.00** ft.

Diaphragm Construction:

Diaphragm Type = **Gypsum Ceiling**
Foam Brand = **Dow Voramer**
Minimum Width = **160** in
Max plf = **219** plf
Max. End Wall Reaction = **5,840** lbs
Max. Interior Reaction = **11,680** lbs
Max. Span = **52.00** ft.

Wall Construction:

Bottom Plate Thickness = **2x**
Top Plate Thickness = **2x**
Wall to Floor Joist = **#10** x 4.0"
Wall to Ceiling Framing = **#10** x 3.5"
Wall to Wall Fastener = **#10** x 3.50"

Floor Construction:

Floor Joist Size = **2x6**
Floor Joist Species = **SYP**
Floor Joist Grade = **#2**
Structural Splice = **Yes**

Ground Tie Chart

Peir Height (in.)	Near Beam Angle (Deg.)	Far Beam Angle (Deg.)	Ground Tie Spacing (ft)	Max. Spacing (ft.)
12	42.44		5.33	5'-4"
20	50.64		5.33	5'-4"
28	56.73		4.58	4'-7"
36		20.89	5.33	5'-4"
44		24.00	5.33	5'-4"
52		26.97	5.33	5'-4"
60		29.79	5.33	5'-4"
68		32.46	5.33	5'-4"

* For monoslope homes only

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Left End Wall Shear Wall
Dist. To Next SW = **35.44** ft.
Manual Input = **--**
Load to Shearwall = **2936.9** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 2
Dist. To Next SW = **24.56** ft.
Manual Input = **--**
Load to Shearwall = **4972.5** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 3
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **2035.6** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 4
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 5
Dist. To Next SW = **--** ft.
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Vertical Trib = **4.25** ft
King Post Height * = **--** in.
Porch End Wall = **--**
Shear Wall 6
Manual Input = **--**
Load to Shearwall = **0.0** lbs

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **156.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **225.9** plf

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **153.00** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **390.0** plf

Panel Layout
From Module Edge = **4.00** in.
Panel Length = **60.75** in.
From Module Edge = **95.25** in.
Panel Length = **64.75** in.
Shearwall plf = **194.6** plf

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Panel Layout
From Module Edge = **--** in.
Panel Length = **--** in.
From Module Edge = **--** in.
Panel Length = **--** in.
Shearwall plf = **N/A** plf

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z2-1
Joist	2
Wall Scr.	8
SC O.C.	23 @ 7
SF O.C.	18 @ 9
Beam Lag	3

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **2**
Max. Shearwall plf = **432** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z2-2
Joist	3
Wall Scr.	8
SC O.C.	39 @ 4
SF O.C.	28 @ 5.5
Beam Lag	5

Result = **PASS**

Notes:

Shearwall Panel = **Gypsum**
Gyp. Brand = **U.S.G.**
Fasteners = **Yes**
Adhesive = **PVA**
One Side or Two = **1**
Max. Shearwall plf = **247** plf

*Construct per Note 5 on GE06.02.XX

Zone - ID	Z2-3
Joist	1
Wall Scr.	8
SC O.C.	16 @ 8
SF O.C.	13 @ 10
Beam Lag	2

*May be 1 joist per Note 9.C on SW90.00.04

Result = **PASS**

Notes:

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **1**
Max. Shearwall plf = **--** plf

*Construct per GE06.03.XX

Zone - ID	
Joist	
Wall Scr.	
SC O.C.	
SF O.C.	
Beam Lag	

Result = **--**

Notes:

Shearwall Panel = **--**
Gyp. Brand = **--**
Fasteners = **--**
Adhesive = **--**
One Side or Two = **--**
Max. Shearwall plf = **--** plf

Result = **--**

Notes: