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the first 3 pages of the
Architectural drawings,
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Coordinated Manufacturing Manual



Part Identification

Cell A	Cell B
Cell C	Cell D
Cell E	
Roof Type 2	Roof Type 1
Roof Type 3	Foundation Type 1
Bellfoot foundation Type 1, 2, 3, 4	
Continuous bellfoot foundation	

Major Components Part Identification

Components w/Type 1 Roof
Components w/Type 2 Roof

Foundation

Pre-cast continuous Bellfoot
Pre-cast Bellfoot pilaster
Type 1, Type 2, Type 3, Type 4
Pilaster Foundation-Type 1
Block
Poured in place

Schedules-Steel

Cell
Cell-Upper level
Roof
Footing

Schedules-Welding

Cell
Cell-Upper level
Roof
Footing

Exploded Cell Component

Cell A	Cell B
Cell C	Cell D
Cell E	
Roof Type 1	Roof Type 2
Roof Type 3	

Exterior Wall Assembly

Cell A	Cell B
Exterior wall A, B, D	Exterior wall B, D
Cell C	Cell D
Exterior wall B, C, D	Exterior wall A, B, D
Cell E	
Exterior wall B, C, D	

Wall/Window/Frame Cutaway

Wall/Window/Frame (24P-25A)
Welded Bolts/Nuts
Panel Assembly Procedure (23-24O)

Welding

Nut/bolt (typical)
Structural cell (typical)
Exterior wall (typical)
Floor sub-assembly (typical)
Ceiling (typical)

Cell A-Structure, Floor, Ceiling
Exterior walls A, B, C, D

Cell B-Structure, Floor HVAC1, Floor HVAC 2
Ceiling, Staircase, Landing, Step, Rail,
Exterior wall B, D
Interior wall A, B, C, D, E, F, G, H

Cell C-Structure, Floor, Ceiling, Deck floor, Deck
rail B, C, D, Exterior wall B, C, D

Cell D-Structure, Floor, Ceiling, Deck floor
Exterior wall A, B, D, Interior wall B, C

Cell E-Structure, Floor, Ceiling, Staircase, Step,
Landing, Handrail, Exterior wall B, C, D
Interior wall A, B, C, D, E, F, G, H, I

3rd Floor-Structure, Interior wall A, B, C, D, E
Type 1-3 Roof-End Gable A, Gable C, Section A,
Section C, Dormer

Basement

Staircase, Stairwell, Interior wall A, B, C, D, E

Foundations

Continuous Bellfoot

Corner cage, 67A, 68A, 67B, 68B

Bellfoot foundation-Type 1

Corner cage, Intermediate cage

Bellfoot foundation-Type 2

Corner cage, Intermediate cage

Bellfoot foundation-Type 3

Corner cage, Intermediate cage

Bellfoot foundation-Type 4

Corner cage, Intermediate cage

Porch, Deck

Small front porch, Large front porch
Rear Deck, Deck rail B, D, C1, C2

1 car garage-Type 1

Structure, Exterior wall A, B, C
Roof section A, C, End Gable A, C



Coordinated Manufacturing Manual

Welding

2 car garage-Type 1-3

Roof section A, C, End Gable A, C
Structure Cell D, Structure Cell E

2 car garage-Type 1

Exterior wall A, B, Side load, Basic, C
Deck floor Cell D, Deck floor Cell E

2 car garage-Type 2

Exterior wall A, Side load, Basic, C

2 car garage-Type 3

Exterior wall A, Basic, C

2 car garage-Type 4

Exterior wall A, Side load, Basic, B, C
Roof section B, D, End Gable A, C

Drawings

2D drawing - Cell A, Cell B, Cell C, Cell D, Cell E
3D drawing- Cell A, Cell B, Cell C, Cell D, Cell E
3D drawing wireframe- Cell A, Cell B, Cell C,
Cell D, Cell E

Cell Assembly and Parts

Cell A

Part identification, Exploded view, 2D, 3D

Cell A (each assembly)

Structure, Floor, Exterior wall A, B, D
Interior wall C, Ceiling

Cell B

Part identification, Exploded view, 2D, 3D

Cell B (each assembly)

Structure, Floor, Ductwork HVAC Type 1,
HVAC Type 2, Exterior wall B, D
Interior wall A, B, C, D, E, F, G, H, Staircase,
Ceiling

Cell C

Part identification, Exploded view, 2D, 3D

Cell C (each assembly)

Structure, Floor, Exterior wall B, C, D
Deck floor, rail

Cell D

Part identification, Exploded view, 2D, 3D

Cell D (each assembly)

Structure, Floor, Exterior wall A, B, D
Interior wall B, C, Deck floor

Cell E

Part identification, Exploded view, 2D, 3D

Cell Assembly and Parts

Cell E (each assembly)

Structure, Floor, Exterior wall B, C, D, Air duct
Interior wall A, B, C, D, E, F, G, H, I, Staircase
Ceiling

Plumbing

Kitchen/Bath-3D drawings (104C-108I)

Kitchen/Bath-Architectural plans

Gas-Architectural plans

Electrical

3D drawings (109A-109E)

Architectural plans

HVAC

Type 1 - 3D drawings

Type 2 - 3D drawings

Roof Assembly

Type 1-3 (3D) -Section A, C End Gable A, C

Type 1-3 (2D) -Section A, C End Gable A, C

Type 2 - (3D)

Type 3 - (3D)

Staircase

1st floor - 3D drawings

1st floor- 2D drawings

2nd & 3rd floor - 3D drawings

2nd & 3rd floor- 2D drawings

Basement - 3D drawings

Basement - 2D drawings

Cell A & B Ceiling Modifications

Cell A

Cell B

Deck Cap Installation

Cell C (125J-133J)

Roof Deck Installation

Type 1 & Type 2 Roof (114I-124I)

Porch and Deck

Small front porch Type 1 - 2D drawings

Small front porch Type 1 - 3D drawings

Large front porch Type 2 - 2D drawings

Large front porch Type 2 - 3D drawings



Coordinated Manufacturing Manual

Porch and Deck

Rear deck Type 1 - 2D drawings

Rear deck Type 1 - 3D drawings

Garages

1 Car-Type 1

Part identification, Exploded view

1 Car-Type 1 (each assembly)

Structure Cell E, Exterior wall A, B, C

Roof Section A, C, End Gable A, C

2 car garage-Type 1-3

Roof section A, C, End Gable A, C

2 Car-Type 1

Part identification, Exploded view

2 Car-Type 1 (each assembly)

Structure Cell D, Cell E, Exterior wall A, B,

Basic, C, Side load, Deck floor Cell D, E

Garage floor

2 Car-Type 2

Part identification, Exploded view

2 Car-Type 2 (each assembly)

Structure Cell D, Cell E, Exterior wall A, Basic,

C, Side load

2 Car-Type 3

Part identification, Exploded view

2 Car-Type 3 (each assembly)

Structure Cell D, Cell E, Exterior wall A, Basic, C

2 Car-Type 4

Part identification, Exploded view

2 Car-Type 4 (each assembly)

Structure Cell D, Cell E, Exterior wall A, Basic,

C, Side load, Roof Section B, D, End Gable A, C