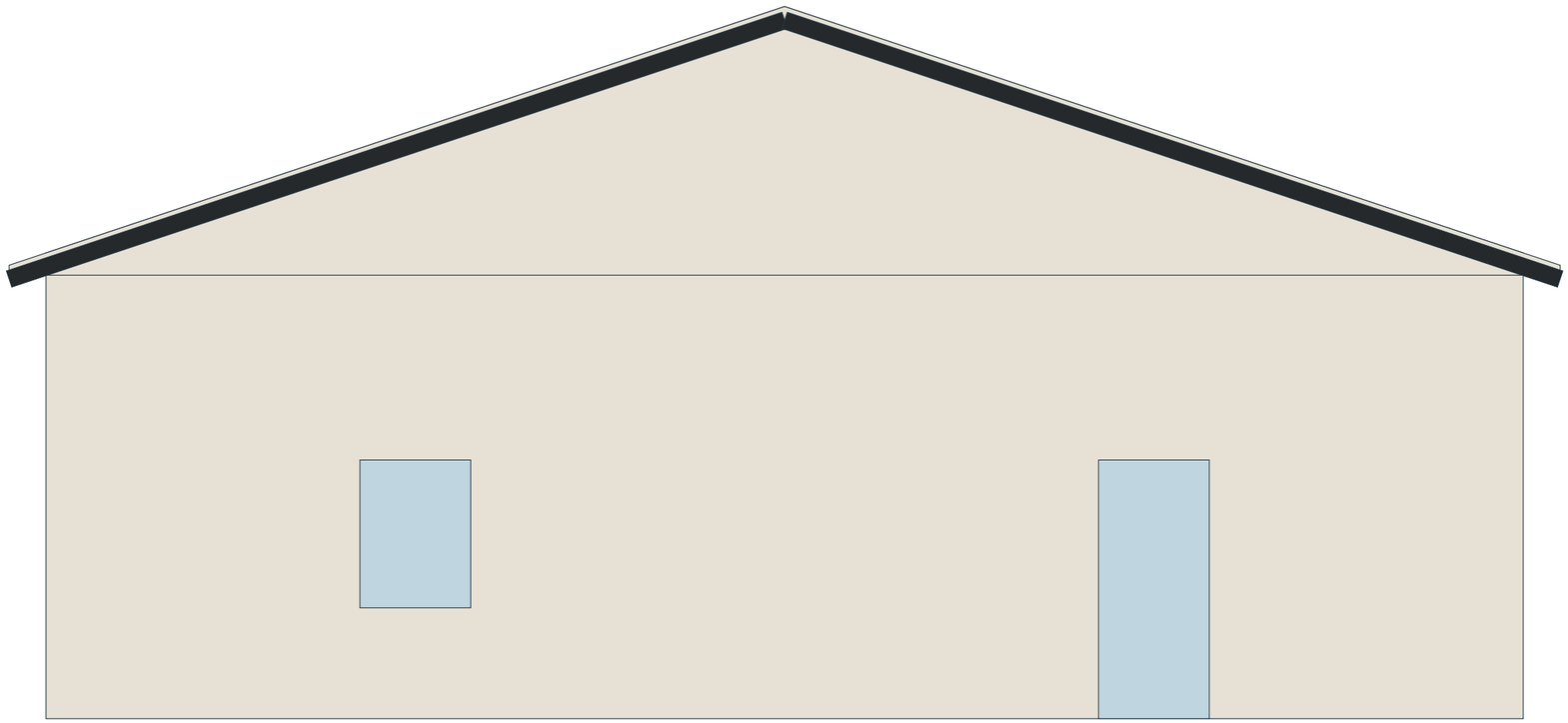
G000 / Project cover

Bolt-together red iron steel - 40 x 60 sample

BARNDOMINIUM DESIGN STUDIO / PROJECT OVERVIEW



Front exterior illustration / capture a 3D snapshot for an angled cover view

PROJECT INFORMATION

Item	Value
Frame style	Bolt-together red iron steel
Building size	40’ 0" x 60’ 0"
Levels	1
Exterior wall height	12’ 0"
Roof pitch	4:12
Foundation	SLAB

ROOM AREA CALCULATION

Room / use	Area
Living room / living	600.0 sq ft
Garage / Workshop / garage	1200.0 sq ft
Bedroom / living	600.0 sq ft

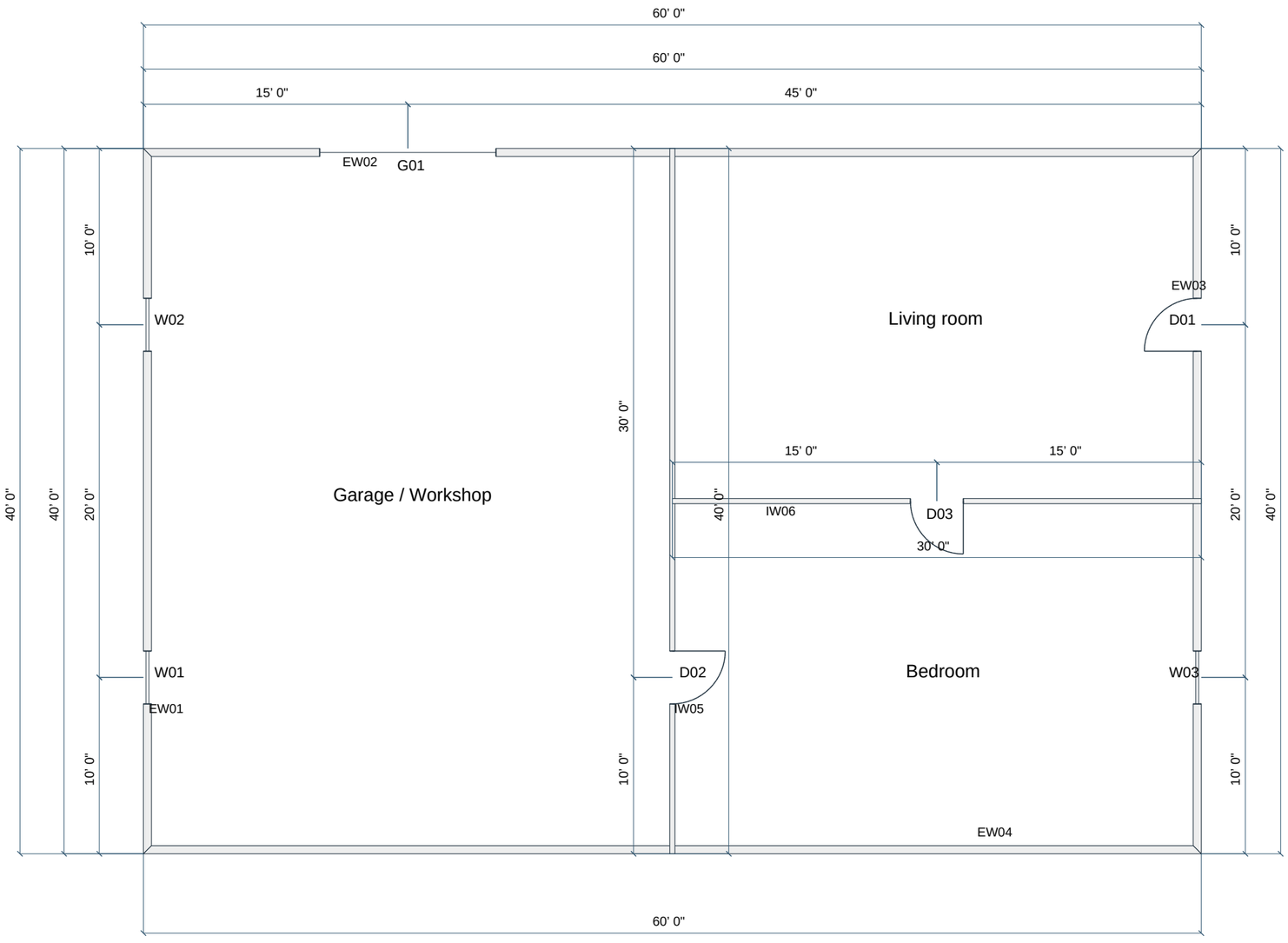
MODELED AREA SUMMARY

Living area	Garage area	Porch area	Other / unclassified	Enclosed total
1200.0 sq ft	1200.0 sq ft	0.0 sq ft	0.0 sq ft	2400.0 sq ft

Area basis: closed room polygons at wall / railing centerlines, across modeled levels. Verify room uses and conditioned-area requirements.
STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.

A101 / Floor plan

Bolt-together red iron steel - 40 x 60 sample



WINDOW / DOOR SCHEDULE

Mark	Type	W x H	Sill
W01	window	3’ 0" x 4’ 0"	3’ 0"
W02	window	3’ 0" x 4’ 0"	3’ 0"
G01	garage	10’ 0" x 10’ 0"	0’ 0"
D01	door	3’ 0" x 7’ 0"	0’ 0"
W03	window	3’ 0" x 4’ 0"	3’ 0"
D02	door	3’ 0" x 7’ 0"	0’ 0"
D03	door	3’ 0" x 7’ 0"	0’ 0"

ROOM AREAS

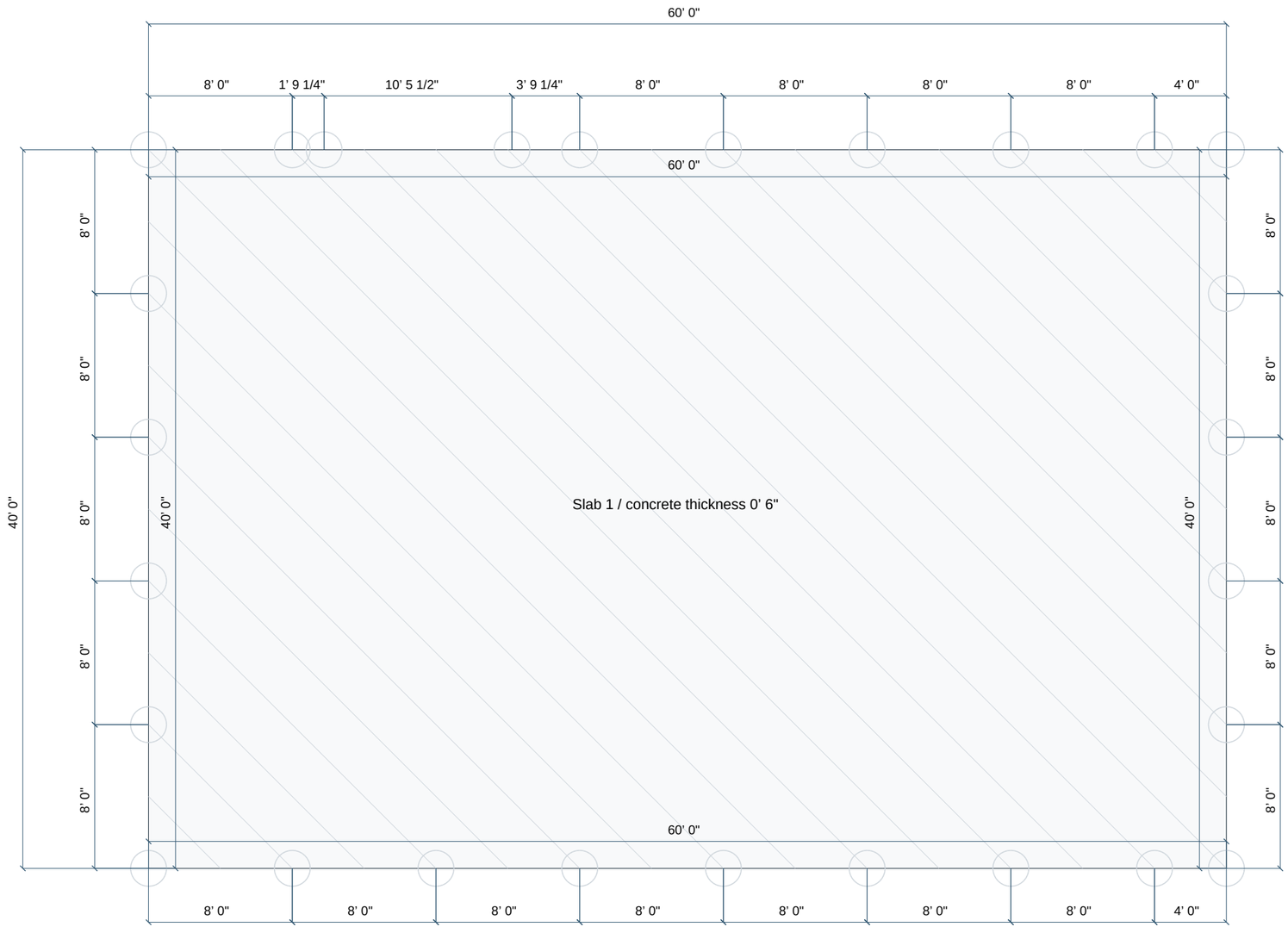
Room / use	Area
Living room	600.0 sq ft
Garage / Workshop	1200.0 sq ft
Bedroom	600.0 sq ft

EW / IW / CW marks identify wall framing elevations. Exterior dimensions reference outside framing faces; opening chains locate centers from outside framing corners. Interior wall dimensions reference centerlines.

STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.

S101 / Foundation plan

Bolt-together red iron steel - 40 x 60 sample



FOUNDATION MODEL

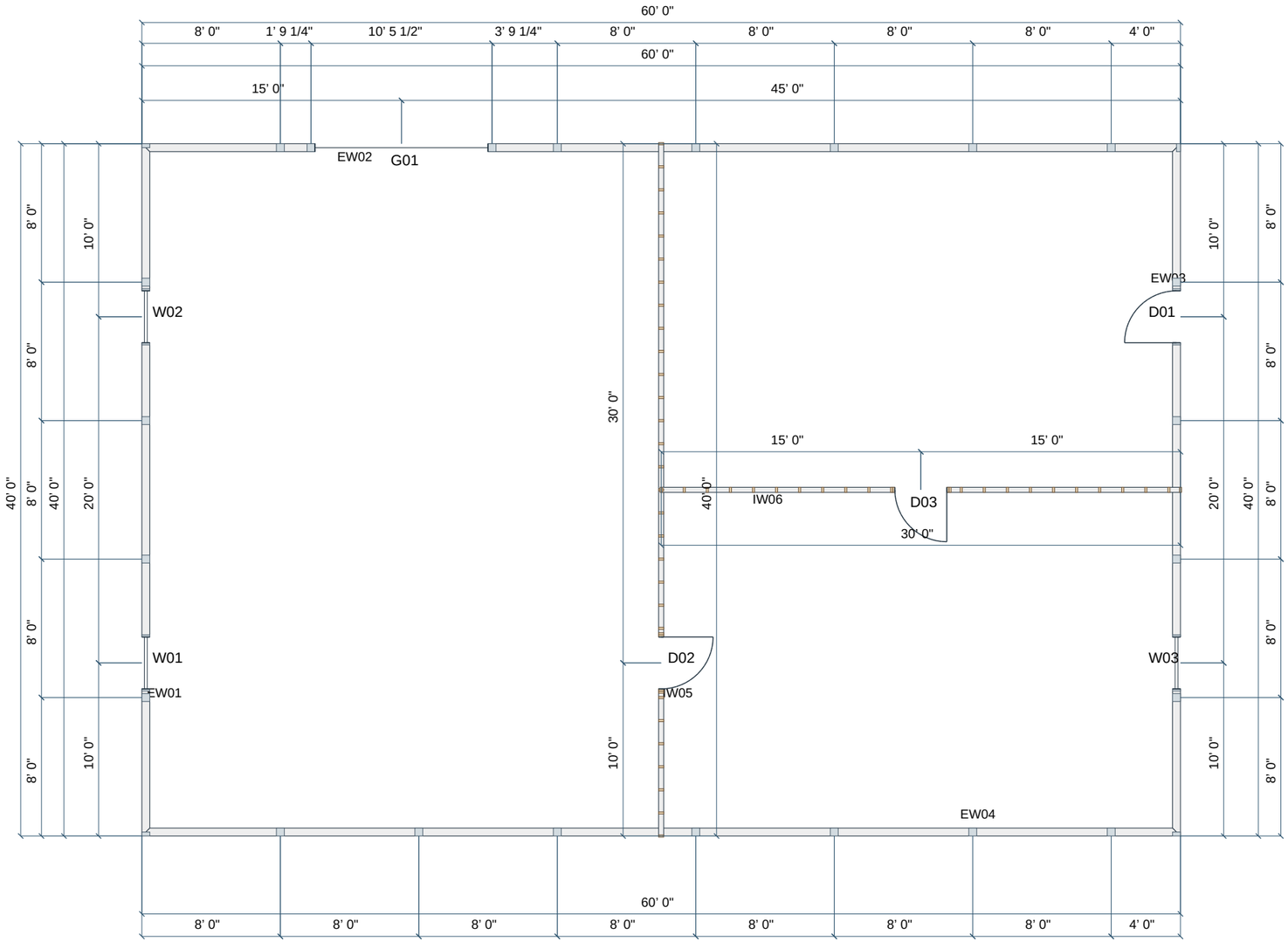
Component	Modeled specification
Slab 1	40' 0" x 60' 0" / thickness 0' 6"
Piers	27 modeled piers
Gross concrete	55.44 cubic yards
Foundation	SLAB

Foundation: SLAB; piers 24 in diameter x 42 in below grade. Gross layout.
Post / column dimensions are to member centerlines. Pier circles and footing outlines come from the model; verify structural design.

STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.

S102 / Wall framing plan

Bolt-together red iron steel - 40 x 60 sample



WALL LAYOUT

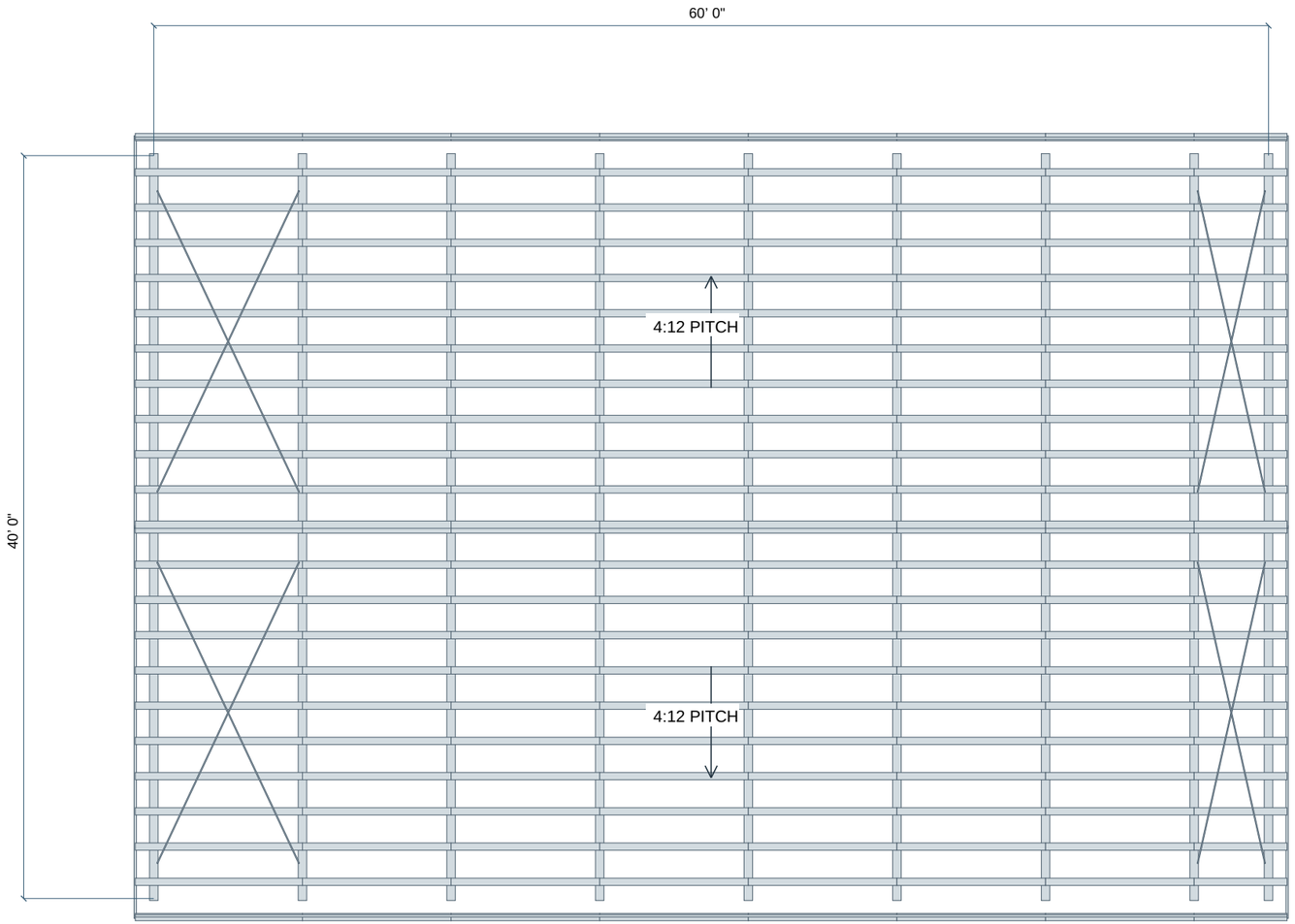
Wall	Length / height
EW01	40’ 0" / 12’ 0"
EW02	60’ 0" / 12’ 0"
EW03	40’ 0" / 12’ 0"
EW04	60’ 0" / 12’ 0"
IW05	40’ 0" / 12’ 0"
IW06	30’ 0" / 12’ 0"

Studs / columns are oriented solid sections at a 4-foot plan cut; terminal member sections are clipped at wall ends. Exterior lengths reference outside framing faces; interior lengths and post / column layouts reference centerlines. See tagged wall elevations for framing.

STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.

S103 / Roof framing plan

Bolt-together red iron steel - 40 x 60 sample



ROOF MEMBER SUMMARY

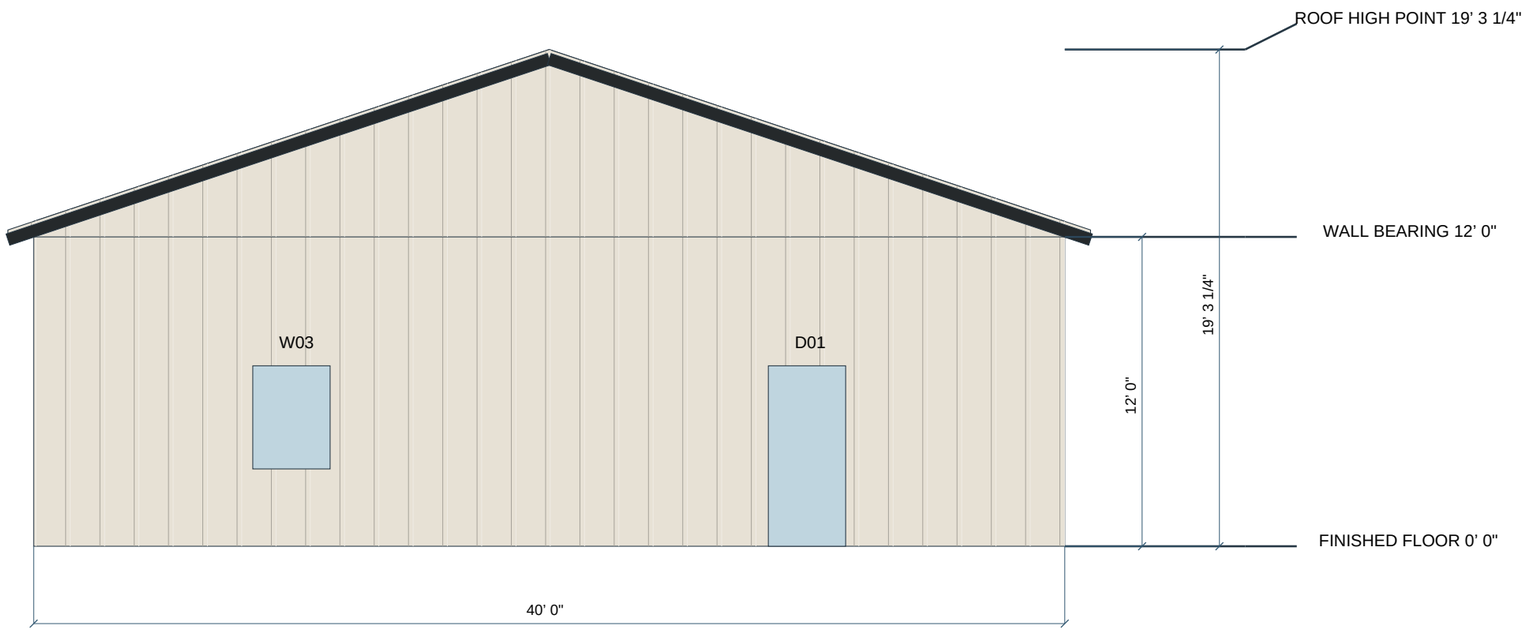
Modeled size	Qty
Red iron W 5.50 x 8.00 in / design section	18
Red iron C 1.50 x 5.50 in / design section	6
Red iron Z 3.00 x 6.00 in / design section	192
Red iron ROD 0.63 x 0.63 in / design section	8

Steel rigid-frame rafter: Red iron W 5.50 x 8.00 in / design section
Steel roofBargeRafter: Red iron C 1.50 x 5.50 in / design section
Steel roof Z purlin: Red iron Z 3.00 x 6.00 in / design section
Steel rod X bracing: Red iron ROD 0.63 x 0.63 in / design section
Steel roofFascia: Red iron C 1.50 x 5.50 in / design section
Pitch labels and downhill arrows describe each visible roof face. Solid outlines use actual modeled member sizes; truss webs below the top chords are omitted in plan. Eave overhang 1' 0"; gable overhang 1' 0".

STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.

A201 / Front exterior elevation

Bolt-together red iron steel - 40 x 60 sample



EXTERIOR MATERIALS AND ROOF SETTINGS

Selection	Specification
Siding	Board-and-batten metal / Bone White
Roof	Standing-seam metal / Black
Corner trim / fascia	Matte Black
Soffit	Bone White
Roof pitch	4:12
Eave / gable overhang	1’ 0" / 1’ 0"

Siding BOARD_BATTEN / BONE_WHITE; roof STANDING_SEAM / BLACK; trim MATTE_BLACK.

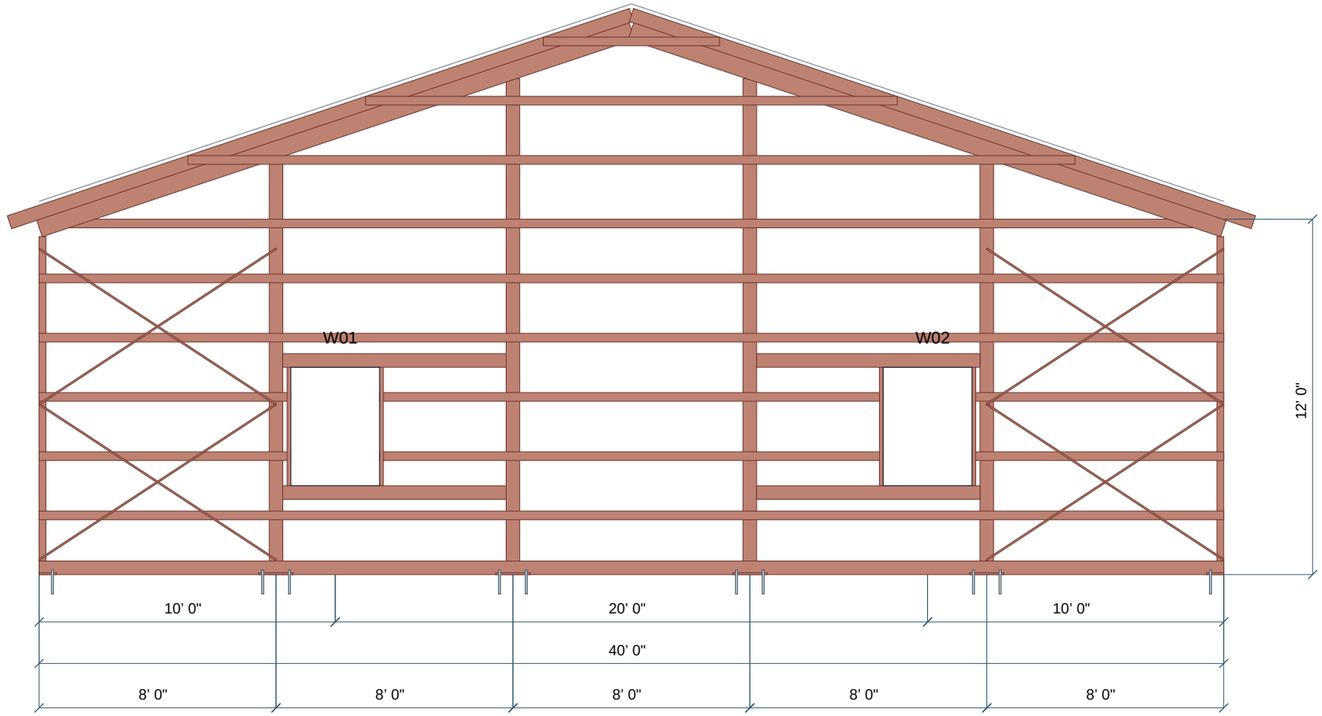
ELEVATION HEIGHTS AND OPENINGS

Reference	Modeled value
FINISHED FLOOR	0’ 0"
WALL BEARING	12’ 0"
ROOF HIGH POINT	19’ 3 1/4"
W01 / window	3’ 0" x 4’ 0" / center 10’ 0"
W02 / window	3’ 0" x 4’ 0" / center 30’ 0"

STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.

S301 / EW01 - Exterior wall framing elevation

Bolt-together red iron steel - 40 x 60 sample



WALL MEMBER SCHEDULE

Member	Modeled size	Qty	Length / range
post	Red iron W 5.50 x 5.50 in / design section	6	11' 4 1/8" - 16' 8 1/8"
gable Top Purlin, girt	Red iron Z 1.50 x 3.50 in / design section	13	5' 11 3/8" - 40' 5 1/2"
skirt, jamb, header, sill, roof Barge Rafter	Red iron C 1.50 x 5.50 in / design section	11	4' 0" - 40' 5 1/2"
brace	Red iron ROD 0.63 x 0.63 in / design section	8	9' 6 13/16"

WALL MEMBER SCHEDULE / CONTINUED

Member	Modeled size	Qty	Length / range
truss Top Chord	Red iron W 5.50 x 8.00 in / design section	2	21' 1"
base Plate	Red iron PLATE 14.00 x 14.00 in / design section	6	0' 0 3/4"
anchor	Red iron ROD 0.75 x 0.75 in / design section	20	0' 9 5/8"

Bolt-together red iron steel. Local view reads from the wall start to its end. Level elevation 0' 0".
Post / column chains and opening chains locate centers. Sections, connections, anchors, bracing and steel gauges require project-specific engineering.
Schedule counts describe this wall view. Shared corner members may appear on adjoining views; do not sum views as a material takeoff.

STEEL ENGINEERING REQUIRED: structural engineer or steel-package manufacturer. Not included in document preparation.