

Deck Designer Specification Kit For
AZEK

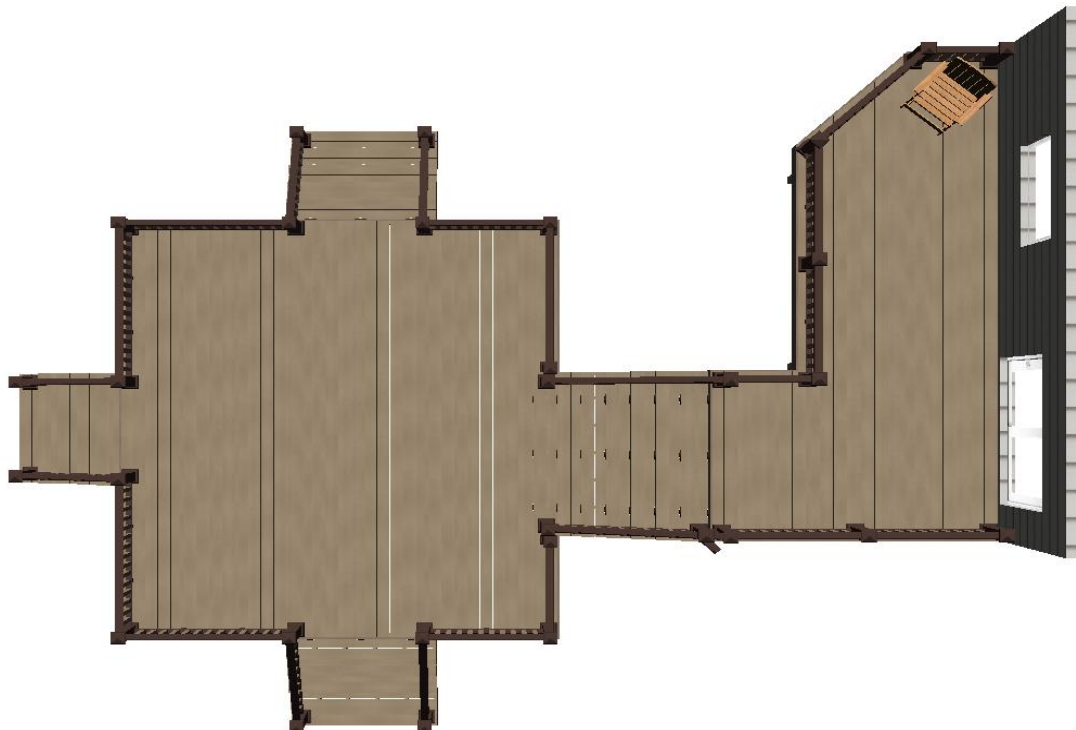
Deck layout diagram



Top view without planks

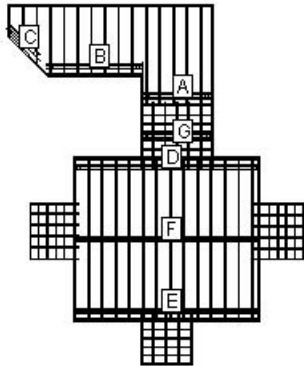


Bottom view with planks



Top view with planks

Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 44 PSF live load.
Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 102" from the top of the decking to the ground level. The top of the deck support posts will therefore be 93" above ground level.

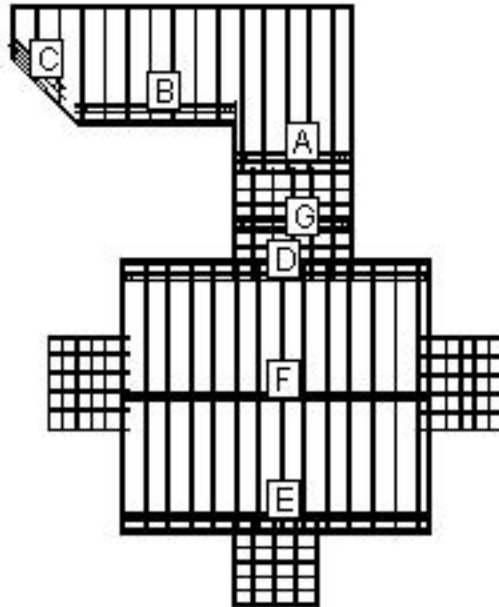
Joists:

Set joists on top of beams, 16"; center to center.

Stress Analysis: Level 1

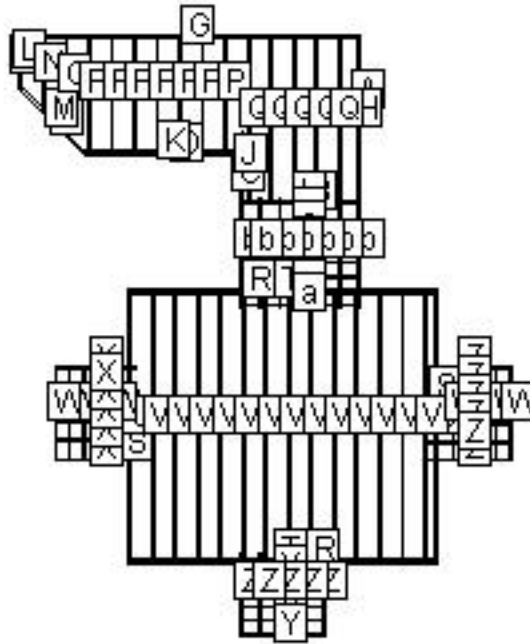
Joist Deflection	503
Joist Bending	119
Joist Shear	136
Joist Compression	136
Beam Deflection	175
Beam Bending	56
Beam Shear	54
Post Stability	107

Beam Layout Level 1



BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	6' 10 1/4"	2	5' 10 3/4"
B	9' 4 1/2"	2	8' 5"
C	4' 5 3/4"	2	3' 2 3/4"
D	18' 1 1/4"	3	8' 7"
E	18' 1 1/4"	3	8' 7"
F	18' 1 1/4"	3	8' 7"
G	7'	2	6' 1/2"

Materials Cut List: Level 1



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
A	Cladding	1	9' 11"	45, 45	O	Internal Joist	1	5' 6 3/4"	0, 45
B	Cladding	1	7'	45, 45	P	Internal Joist	7	6' 7 1/4"	0, 0
C	Cladding	1	3'	45, 45	Q	Internal Joist	5	9' 6 1/4"	0, 0
D	Cladding	1	9' 3"	23, 45	R	Cladding	2	18' 3"	45, 45
E	Cladding	1	3' 2"	45, 23	S	Cladding	2	16'	45, 45
F	Cladding	1	5' 5"	23, 23	T	Header	2	17' 10 1/4"	0, 0
G	Header	1	19' 7 1/4"	0, 0	U	Rim Joist	2	15' 10 1/4"	0, 0
H	Rim Joist	1	9' 9 1/4"	0, 0	V	Internal Joist	13	15' 7 1/4"	0, 0
I	Header	1	6' 7 1/4"	0, 0	W	Riser	10	5' 6"	0, 0
J	Rim Joist	1	4' 2 3/4"	0, 0	X	Pre Cut Stringer	6	5'	0, 0
K	Header	1	9' 4"	0, 0	Y	Riser	5	4' 11"	0, 0
L	Rim Joist	1	3' 1"	0, 0	Z	Pre Cut Stringer	11	5'	0, 0

Cut Angles: L=Left, R=Right, F=Front, S=Side

LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
M	Header	1	5' 4 1/4"	0, 0	a	Riser	7	7'	0, 0
N	Internal Joist	1	4' 2 3/4"	0, 45	b	Stringer	7	7' 6"	0, 0

Cut Angles: L=Left, R=Right, F=Front, S=Side

Component Descriptions

These recommendations are for railing with a 4" gap from deck surface to the bottom of the bottom rail. Always refer to your local building codes to determine if other requirements must be met. Canadian requirements may vary.

TimberTech RadianceRail and AZEK Black and White rail sections are available in 10 ft. sections. See your local TimberTech or AZEK Dealer for more information.

Lumber Materials

COMPONENT	QTY	DESCRIPTION	WOOD TYPE
Beam	4	2X10X8 Treated	TREATED
Beam	15	2X10X10 Treated	TREATED
Rim Joist	19	2X8X16 Treated	TREATED
Pre Cut Stringer	17	5-Step Treated Stair Stringer	TREATED
Railing Post	1	4X4X8 Treated	TREATED
Railing Post	6	4X4X18 Treated	TREATED
Railing Section	13	AZEK 6' Premier Rail Pack - Kona® - 6'	AZEK
Railing Section	7	AZEK 8' Premier Rail Pack - Kona® - 8'	AZEK
Railing Section	20	TT/AZEK 31" Square Composite Baluster - Brownstone - 31"	AZEK
Cladding	10	AZEK Arbor Collection® Rim Joist Covers/Fasica - Silver Oak® - 12'	AZEK
Decking	20	AZEK Harvest Collection® Deck Plank, Square Shouldered - Brownstone - 16'	AZEK
Decking	49	AZEK Harvest Collection® Deck Plank, Square Shouldered - Brownstone - 20'	AZEK
Header	3	2X8X8 Treated	TREATED
Header	5	2X8X18 Treated	TREATED
Internal Joist	3	2X8X10 Treated	TREATED
Internal Joist	4	2X8X14 Treated	TREATED
Post	13	4X4X8 Treated	TREATED
Riser	12	AZEK Arbor Collection® Rim Joist Covers/Fasica - Silver Oak® - 12'	AZEK

To find an AZEK Dealer or Contractor in your area, please go to www.azek.com

Other Materials

Qty	Description
4	1 LB. 10D X1 1/2" Nail
1	5 LB. 10D Hot-Dip Galvanized Nail
4	1 LB. 10D Hot-Dip Galvanized Nail
52	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
1	1LB. 16D Galvanized Common Nail
2	2x6-8" Triple Zinc Right Skewed Joist Hanger SKH26R-TZ
8	7" Triple Zinc Angle Clip AC7-TZ
1	5" Triple Zinc Angle Clip MP5-TZ
2	THR128-HDG Threaded Rod
4	DTB-TZ Deck Tie Bracket
4	1LB. 8D Galvanized Common Nail
2	1 LB. 1-1/2" Joist Hanger Nail
63	Triple Zinc Rafter Tie RT7-TZ
17	Anchor Bolt AB128
17	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
27	80 L.B. Basic Concrete Mix
1	40 LB. Basic Concrete Mix
13	8" X 48" Concrete Form Tube
272	1/2 Galvanized Flat Washer
6	1/2 Galvanized Hex Nut
136	1/2 X 8" Galvanized Carriage Bolt
24	7" Triple Zinc Angle Clip AC7-TZ
62	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
31	AZEK 5 1/2" Post Skirt - Kona®
124	3/8 Galvanized Hex Nut
248	3/8 Galvanized Flat Washer
124	3/8 X 8" Galvanized Carriage Bolt
31	AZEK 5 1/2" Pyramid Cap - Kona®
31	AZEK 5.5" x 5.5" Post Sleeve - Kona® - 39"
1	TT/AZEK Transformer - 12 Volt 150 W
1	TT/AZEK Decklites Dimmer
1	TT/AZEK 100' wire 16/2
64	TT/AZEK LED Riser Light - Architectural Bronze
6	AZEK Cortex - 100 LF Harvest Collection® - Brownstone
40	1/2 X 6" Galvanized Lag Screw

LEGAL DISCLAIMER: The suggested design is a construction guide and is **NOT** a finished building plan. It is your responsibility to verify its accuracy, completeness, suitability for your particular site conditions, and compliance with local building codes and practices. Please consult your local building codes for requirements for deck lighting, railing, and stairs.

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You are responsible for ensuring that all measurements are correct. Due to the size, shape, location or other considerations, your design may require supporting structures, such as knee braces and bridging between joists and posts and are not included on the materials list and other information provided. YOU ARE RESPONSIBLE FOR ENSURING THAT YOUR DESIGN IS SAFE AND STRUCTURALLY SOUND FOR ITS SIZE, LOCATION AND ANTICIPATED USE. You are also responsible for verifying that the design and any substitutions or modifications you make meet all local building codes and regulations.

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