

Deck Designer Specification Kit For

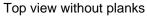
AZEK





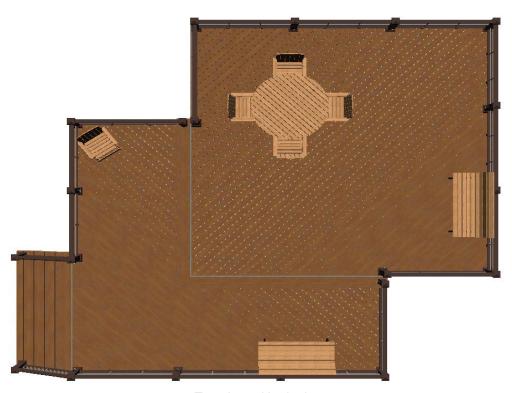
Deck layout diagram







Bottom view with planks

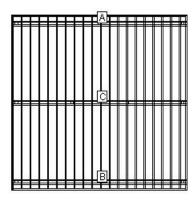


Top view with planks





Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 50 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 60" from the top of the decking to the ground level. The top of the deck support posts will therefore be 51" above ground level.

Joists:

Set joists on top of beams, 12"; center to center.

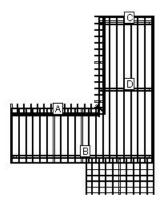
Stress Anavsis: Level 1

JOIG. ECVCI I
246
83
134
134
154
60
62
113





Permit Page: Level 2



LOAD AND SUPPORT:

Your deck will support a 42 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 46" from the top of the decking to the ground level. The top of the deck support posts will therefore be 37" above ground level.

Joists:

Set joists on top of beams, 12"; center to center.

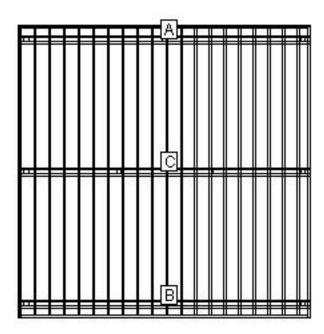
Stress Anavsis: Level 2

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Joist Deflection	191
Joist Bending	70
Joist Shear	125
Joist Compression	125
Beam Deflection	91
Beam Bending	54
Beam Shear	52
Post Stability	116





Beam Layout Level 1

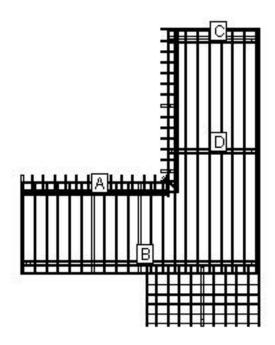


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	19' 10 1/4"	3	9' 5 1/2"
В	19' 10 1/4"	3	9' 5 1/2"
С	19' 10 1/4"	4	6' 3 1/2"





Beam Layout Level 2

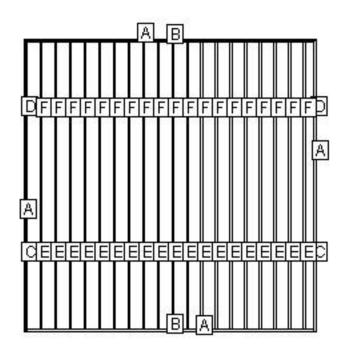


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	12' 7 1/2"	2	11' 8"
В	20' 4 1/4"	3	9' 8 1/2"
С	7' 10 1/4"	2	6' 10 3/4"
D	7' 10 1/4"	2	6' 10 3/4"





Materials Cut List: Level 1



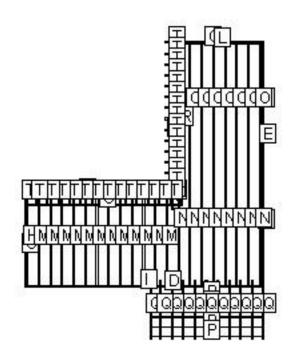
LABEI	L NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	4	20'	45, 45	D	Rim Joist	2	9' 11"	0, 0
В	Header	2	19' 7 1/4"	0, 0	E	Internal Joist	19	9' 9 1/2"	0, 0
С	Rim Joist	2	9' 11 1/4"	0. 0	F	Internal Joist	19	9' 9 3/4"	0. 0

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





Materials Cut List: Level 2



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	1	13' 2"	45, 45	L	Header	1	7' 7 1/4"	0, 0
В	Cladding	1	12' 7"	45, 45	M	Internal Joist	12	7' 7 1/4"	0, 0
С	Cladding	2	8'	45, 45	N	Internal Joist	8	10' 4 1/2"	0, 0
D	Cladding	1	20' 6"	45, 45	0	Internal Joist	8	10' 3 3/4"	0, 0
E	Cladding	1	21' 1"	45, 45	Р	Riser	5	9' 10"	0, 0
F	Rim Joist	1	14' 3 3/4"	0, 0	Q	Pre Cut Stringer	11	5' 6 1/2"	0, 0
G	Header	1	12' 6"	0, 0	R	Riser	1	14'	45, 0
Н	Rim Joist	1	7' 10 1/4"	0, 0	S	Pre Cut Stringer	1	1' 5"	0, 0
1	Header	1	20' 1 1/4"	0, 0	T	Pre Cut Stringer	29	1' 1 1/4"	0, 0
J	Rim Joist	1	10' 6 1/4"	0, 0	U	Riser	1	13' 5"	0, 45
K	Rim Joist	1	10' 5"	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
Rim Joist	43	2X8X10 Treated	TREATED
Beam	6	2X10X8 Treated	TREATED
Beam	4	2X10X14 Treated	TREATED
Beam	8	2X10X10 Treated	TREATED
Railing Post	1	4X4X14 Treated	TREATED
Railing Post	3	4X4X18 Treated	TREATED
Railing Section	10	AZEK 6' Premier Custom Rail Pack - Kona® - 6'	AZEK
Railing Section	7	AZEK 8' Premier Custom Rail Pack - Kona® - 8'	AZEK
Baluster	30	TT/AZEK CableRail 36" Intermediate Baluster [1 9-hole baluster, 1 intermediate base plate, 1 #10x2" pan head screw, 3 #10x1" flat head screws] - Silver	AZEK
Cladding	16	AZEK XLM® Natural Fascia Board - RiverRock - 12'	AZEK
Decking	85	AZEK XLM® Deck Plank, Square Shouldered - Harvest Bronze - 20'	AZEK
Header	16	2X8X8 Treated	TREATED
Header	4	2X8X18 Treated	TREATED
Post	15	4X4X8 Treated	TREATED
Rim Joist	2	2X8X16 Treated	TREATED
Internal Joist	18	2X8X12 Treated	TREATED
Beam	4	2X10X12 Treated	TREATED
Pre Cut Stringer	11	5-Step Treated Stair Stringer	TREATED
Pre Cut Stringer	30	2-Step Treated Stair Stringer	TREATED
Railing Post	1	4X4X8 Treated	TREATED
Riser	7	AZEK XLM® Natural Fascia Board - RiverRock - 12'	AZEK
Railing Section	2	TT/AZEK CableRail 36" Stair Intermediate Baluster [1 angled 9-hole baluster, 1 intermediate base plate, 1 #10x2" pan head screw, 3 #10x1 flat head screws] - Silver	TIMBERTECH
Pre Cut Stringer	1	3-Step Treated Stair Stringer	TREATED

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





Other Materials

Qty	Description
2	TT/AZEK CableRail 500' Stainless Steel Cable - Stainless - 500'
6	1 LB. 10D X1 1/2" Nail
5	1 LB. 10D Hot-Dip Galvanized Nail
78	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
9	7" Triple Zinc Angle Clip AC7-TZ
6	1LB. 8D Galvanized Common Nail
7	1 LB. 1-1/2" Joist Hanger Nail
119	Triple Zinc Rafter Tie RT7-TZ
19	Anchor Bolt AB128
19	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
30	80 L.B. Basic Concrete Mix
2	10 LB. Basic Concrete Mix
15	8" X 48" Concrete Form Tube
304	1/2 Galvanized Flat Washer
7	1/2 Galvanized Hex Nut
152	1/2 X 8" Galvanized Carriage Bolt
40	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
20	AZEK 5 1/2" Post Skirt - Kona®
80	3/8 Galvanized Hex Nut
160	3/8 Galvanized Flat Washer
80	3/8 X 8" Galvanized Carriage Bolt
20	AZEK 5 1/2" Pyramid Cap - Kona®
20	AZEK 5.5" x 5.5" Post Sleeve - Kona® - 39"
1	TT/AZEK CableRail Cable Cutters
1	TT/AZEK CableRail Accessory Kit [Quick-Connect release tool, lacing needle, hanger bolt installation tool] -
13	TT/AZEK CableRail 36" Hardware Kit [9 Quick-Connect fittings, 9 Quick Connect Swivel fittings, 18 hanger bolts, 9 lock nuts] - Stainless
1	TT/AZEK CableRail Protector Sleeves [Pack of 20] - Stainless
1	TT/AZEK Decklites Dimmer
1	TT/AZEK Wire Guide - 60 Packs of 12 ea.
2	TT/AZEK 100' wire 16/2
15	TT/AZEK LED Accent Light - Architectural Bronze
1	TT/AZEK Transformer - 12 Volt 150 W
30	2 Pieces of Joist Material Nailed to Each Joist Splice
8	AZEK Cortex - 100 LF XLM® Harvest Bronze - Harvest Bronze
1	5 LB. 10D Hot-Dip Galvanized Nail
1	40 LB. Basic Concrete Mix





Qty Description

41 7" Triple Zinc Angle Clip AC7-TZ

DECK DESIGNER







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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