





Deck Designer Specification Kit For

TimberTech



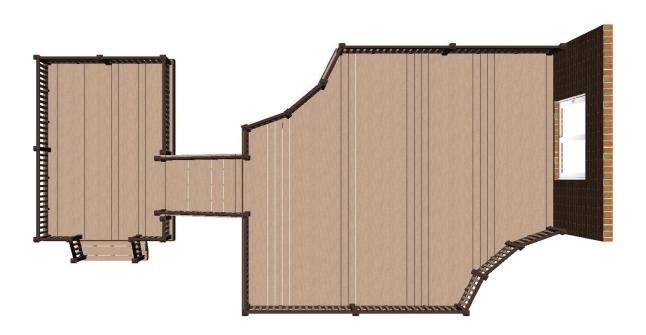


Deck layout diagram



Top view without planks

Bottom view with planks

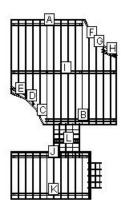


Top view with planks





Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 52 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 84" from the top of the decking to the ground level. The top of the deck support posts will therefore be 75" above ground level.

Joists:

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

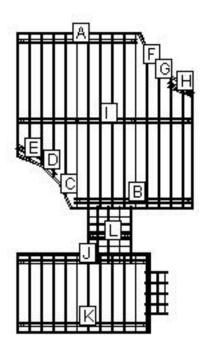
Stress Anavsis: Level 1

Oliess Allay	/313. ECVCI 1
Joist Deflection	480
Joist Bending	116
Joist Shear	134
Joist Compression	134
Beam Deflection	469
Beam Bending	82
Beam Shear	62
Post Stability	113





Beam Layout Level 1

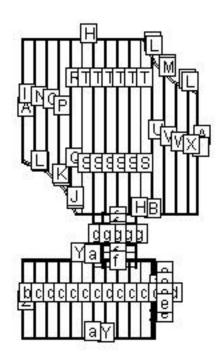


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	13' 7"	3	6' 4"
В	13' 5 1/4"	3	6' 3"
С	3 1/2"	1	0
D	2' 7"	2	1' 4"
E	3' 1 1/2"	2	2' 1/2"
F	3 1/2"	1	0
G	3 1/2"	1	0
Н	3' 1 1/2"	2	2' 1/2"
1	19' 10 1/4"	4	6' 3 1/2"
J	14' 11 1/4"	3	7'
K	14' 11 1/4"	3	7'
L	4' 11 1/4"	2	4'





Materials Cut List: Level 1



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	2	14'	45, 34	R	Internal Joist	1	9' 9 3/4"	0, 67
В	Cladding	1	14'	34, 45	S	Internal Joist	6	9' 9 1/2"	0, 0
С	Cladding	1	3'	11, 34	Т	Internal Joist	6	9' 9 3/4"	0, 0
D	Cladding	2	2' 11 3/4"	11, 11	U	Internal Joist	1	17' 6 1/2"	67, 0
E	Cladding	1	3'	34, 11	V	Internal Joist	1	15' 10 1/2"	45, 0
F	Cladding	1	3'	11, 34	W	Internal Joist	1	14' 8 1/4"	23, 0
G	Cladding	1	3'	34, 11	Χ	Internal Joist	1	14' 1 1/2"	23, 0
Н	Header	2	13' 9"	0, 0	Υ	Cladding	2	15' 1"	45, 45
I	Rim Joist	2	13' 10 1/2"	0, 0	Z	Cladding	2	9' 1/2"	45, 45
J	Header	1	2' 11 1/2"	0, 0	а	Header	2	14' 8 1/4"	0, 0
K	Header	1	2' 11 3/4"	0, 0	b	Rim Joist	2	8' 11"	0, 0
L	Header	3	2' 11 1/2"	0, 0	С	Internal Joist	11	8' 8"	0, 0

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

www.TimberTech.com
Page 5





DECK DESIGNER

LABEL	. NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
М	Header	1	2' 11 3/4"	0, 0	d	Riser	2	4' 10"	0, 0
N	Internal Joist	1	14' 3"	0, 23	е	Pre Cut Stringer	5	2' 6"	0, 0
0	Internal Joist	1	14' 9 3/4"	0, 0	f	Riser	7	4' 11 1/4"	0, 0
Р	Internal Joist	1	16' 1 3/4"	0, 45	g	Stringer	5	7' 6"	0, 0
Q	Internal Joist	1	8' 4 3/4"	0. 67					

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	3
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COMPONENT	QTY	DESCRIPTION	WOOD TYPE
Rim Joist	2	2X8X14 Treated	TREATED
Internal Joist	7	2X8X16 Treated	TREATED
Internal Joist	12	2X8X18 Treated	TREATED
Internal Joist	15	2X8X10 Treated	TREATED
Beam	6	2X10X14 Treated	TREATED
Beam	3	2X10X8 Treated	TREATED
Beam	4	2X10X16 Treated	TREATED
Pre Cut Stringer	5	3-Step Treated Stair Stringer	TREATED
Railing Post	1	4X4X12 Treated	TREATED
Railing Post	5	4X4X18 Treated	TREATED
Railing Section	1	TimberTech 6' RadianceRail Rail Pack - Kona® - 6'	TIMBERTECH
Railing Section	14	TimberTech 8' RadianceRail Rail Pack - Kona® - 8'	TIMBERTECH
Railing Section	15	TT/AZEK 31" Square Composite Baluster - Brownstone - 31"	TIMBERTECH
Cladding	10	TimberTechEarthwood Evolutions® Terrain Collection Fascia Board, 12" wide - Rustic Elm - 12'	TIMBERTECH
Decking	40	TimberTech TwinFinish® Deck Plank, Square Shouldered - Cedar - 16'	TIMBERTECH
Decking	28	TimberTech TwinFinish® Deck Plank, Square Shouldered - Cedar - 20'	TIMBERTECH
Header	3	2X8X8 Treated	TREATED
Post	20	4X4X8 Treated	TREATED
Beam	1	2X10X18 Treated	TREATED
Riser	5	TimberTech Earthwood Evolutions® Terrain Collection Riser Board, 7 1/4" wide - Rustic Elm - 12'	TIMBERTECH
Beam	1	2X10X10 Treated	TREATED

To find a TimberTech Dealer or Contractor in your area, please go to www.timbertech.com





Other Materials

Qty	Description
3	1 LB. 10D X1 1/2" Nail
1	5 LB. 10D Hot-Dip Galvanized Nail
3	1 LB. 10D Hot-Dip Galvanized Nail
42	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
10	5" Triple Zinc Angle Clip MP5-TZ
1	1LB. 16D Galvanized Common Nail
3	2x6-8" Triple Zinc Right Skewed Joist Hanger SKH26R-TZ
6	7" Triple Zinc Angle Clip AC7-TZ
2	5" Triple Zinc Angle Clip MP5-TZ
4	1LB. 8D Galvanized Common Nail
3	1 LB. 1-1/2" Joist Hanger Nail
75	Triple Zinc Rafter Tie RT7-TZ
27	Anchor Bolt AB128
27	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
43	80 L.B. Basic Concrete Mix
1	40 LB. Basic Concrete Mix
1	10 LB. Basic Concrete Mix
21	8" X 48" Concrete Form Tube
432	1/2 Galvanized Flat Washer
9	1/2 Galvanized Hex Nut
216	1/2 X 8" Galvanized Carriage Bolt
10	7" Triple Zinc Angle Clip AC7-TZ
56	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
28	TimberTech 5" Post Skirt - Kona®
112	3/8 Galvanized Hex Nut
224	3/8 Galvanized Flat Washer
112	3/8 X 8" Galvanized Carriage Bolt
28	TimberTech 5" x 5" Post Sleeve - Kona® - 42"
28	TimberTech 5" Post Cap - Kona®
7	2 Pieces of Joist Material Nailed to Each Joist Splice
5	TimberTech Cortex - 100 LF TwinFinish® Cedar - Cedar
2	TimberTech TOPLoc Fascia Pack Rustic Elm - Rustic Elm







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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