



Deck Designer Specification Kit For
TimberTech

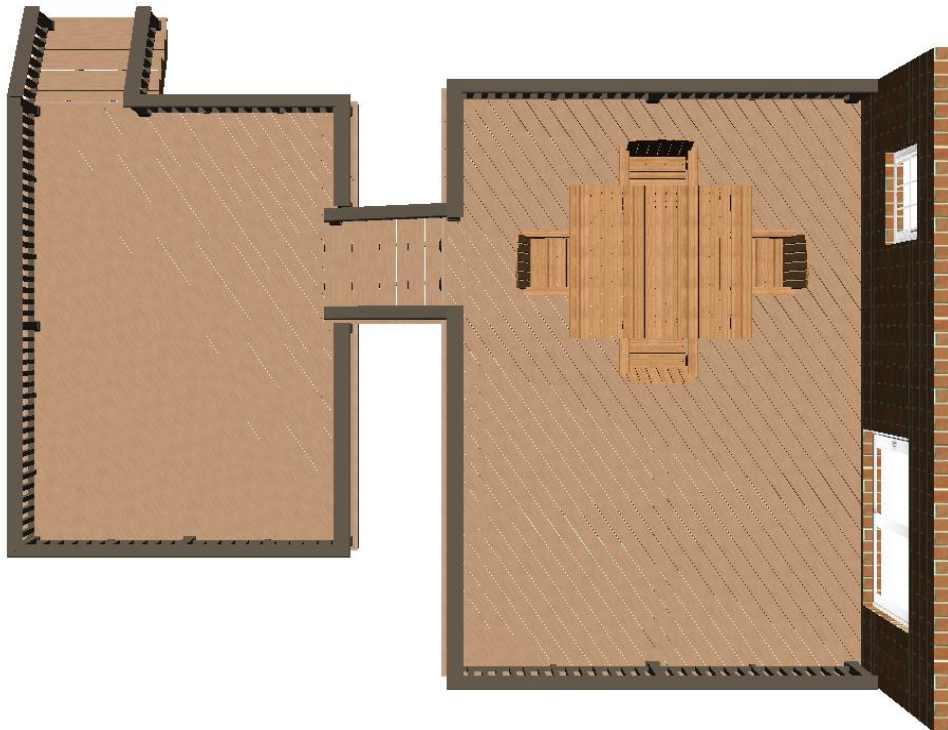
Deck layout diagram



Top view without planks

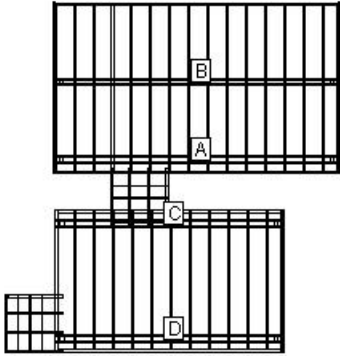


Bottom view with planks



Top view with planks

Permit Page: Level 1



LOAD AND SUPPORT:

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

DECK AND POST HEIGHT:

You selected a height of 72" from the top of the decking to the ground level. The top of the deck support posts will therefore be 63" above ground level.

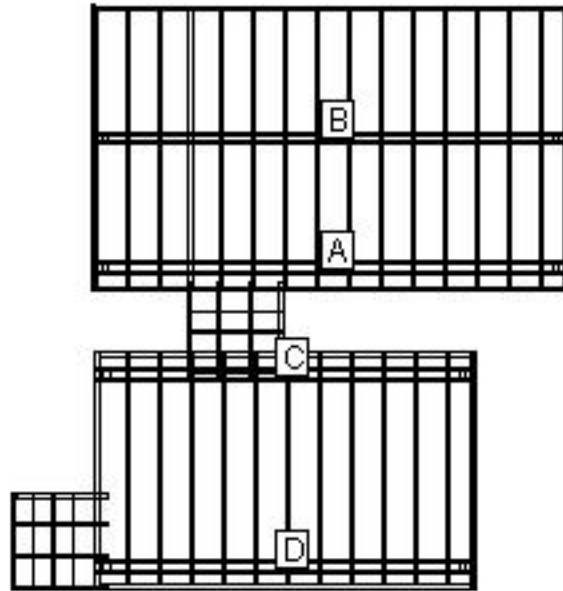
Joists:

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

Stress Analysis: Level 1

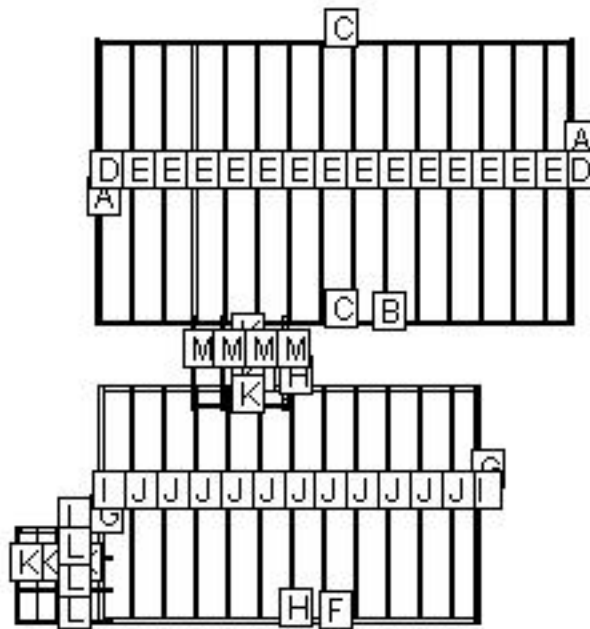
Joist Deflection	291
Joist Bending	84
Joist Shear	115
Joist Compression	115
Beam Deflection	155
Beam Bending	60
Beam Shear	62
Post Stability	126

Beam Layout Level 1



BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	19' 10 1/4"	3	9' 5 1/2"
B	19' 10 1/4"	3	9' 5 1/2"
C	15' 10 1/4"	3	7' 5 1/2"
D	15' 10 1/4"	3	7' 5 1/2"

Materials Cut List: Level 1



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
A	Cladding	2	12'	45, 45	H	Header	2	15' 7 1/4"	0, 0
B	Cladding	1	20'	45, 45	I	Rim Joist	2	9' 10 1/4"	0, 0
C	Header	2	19' 7 1/4"	0, 0	J	Internal Joist	11	9' 7 1/4"	0, 0
D	Rim Joist	2	11' 10 1/4"	0, 0	K	Riser	8	4'	0, 0
E	Internal Joist	14	11' 7 1/4"	0, 0	L	Pre Cut Stringer	4	3' 11 1/2"	0, 0
F	Cladding	2	16'	45, 45	M	Stringer	4	4' 4 1/2"	0, 0
G	Cladding	2	10'	45, 45					

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	16	2X8X12 Treated	TREATED
Beam	8	2X10X10 Treated	TREATED
Beam	4	2X10X16 Treated	TREATED
Pre Cut Stringer	4	4-Step Treated Stair Stringer	TREATED
Hand Rail	7	TimberTech Evolutions Rail Contemporary Top Rail - Traditional Walnut - 16'	TIMBERTECH
Railing Post	1	4X4X8 Treated	TREATED
Railing Post	5	4X4X16 Treated	TREATED
Railing Section	11	TimberTech Evolutions Rail Contemporary Rail Pack - Traditional Walnut - 6'	TIMBERTECH
Railing Section	5	TimberTech Evolutions Rail Contemporary Rail Pack - Traditional Walnut - 8'	TIMBERTECH
Railing Section	18	TimberTech Evolutions Rail Square Baluster 36" - Traditional Walnut - 6'	TIMBERTECH
Cladding	9	TimberTech TwinFascia Board - Cedar - 12'	TIMBERTECH
Decking	5	TimberTech ReliaBoard® Deck Plank, Square Shouldered - Cedar - 12'	TIMBERTECH
Decking	40	TimberTech ReliaBoard® Deck Plank, Square Shouldered - Cedar - 16'	TIMBERTECH
Decking	15	TimberTech ReliaBoard® Deck Plank, Square Shouldered - Cedar - 20'	TIMBERTECH
Header	5	2X8X18 Treated	TREATED
Post	6	4X4X8 Treated	TREATED
Rim Joist	13	2X8X10 Treated	TREATED
Riser	3	TimberTech TwinRiser Board - Cedar - 12'	TIMBERTECH

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
2	1 LB. 10D Hot-Dip Galvanized Nail
50	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
8	7" Triple Zinc Angle Clip AC7-TZ
2	THR128-HDG Threaded Rod
4	DTB-TZ Deck Tie Bracket
3	1LB. 8D Galvanized Common Nail
2	1 LB. 1-1/2" Joist Hanger Nail
58	Triple Zinc Rafter Tie RT7-TZ
12	Anchor Bolt AB128
12	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
19	80 L.B. Basic Concrete Mix
1	40 LB. Basic Concrete Mix
9	8" X 48" Concrete Form Tube
192	1/2 Galvanized Flat Washer
4	1/2 Galvanized Hex Nut
96	1/2 X 8" Galvanized Carriage Bolt
8	7" Triple Zinc Angle Clip AC7-TZ
44	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
22	TimberTech Evolutions Rail 5"x5" Post Skirt - Traditional Walnut
88	3/8 Galvanized Hex Nut
176	3/8 Galvanized Flat Washer
88	3/8 X 8" Galvanized Carriage Bolt
22	TimberTech Evolutions Rail 5"x5" Post Cover - Traditional Walnut - 42"
1	TT/AZEK Transformer - 12 Volt 150 W
1	TT/AZEK Decklites Dimmer
1	TT/AZEK 100' wire 16/2
18	TT/AZEK LED Riser Light - Architectural Bronze
2	TimberTech TOPLoc 100 Sq. Ft. Pack Cedar - Cedar
1	TimberTech TOPLoc Stainless Steel 3" - 85 Sq. Ft. Pack Cedar - Cedar
1	TimberTech TOPLoc Fascia Bit
2	TimberTech TOPLoc Fascia Pack Cedar - Cedar
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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