





Deck Designer Specification Kit For

TimberTech





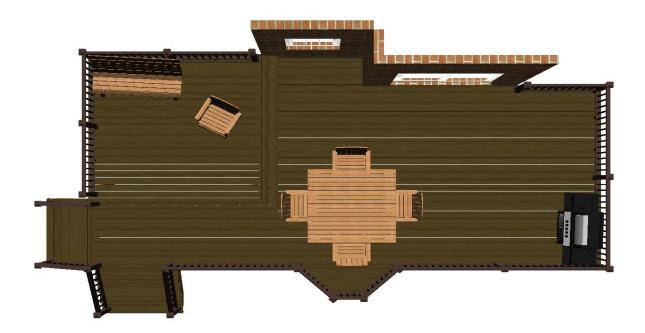
Deck layout diagram







Bottom view with planks

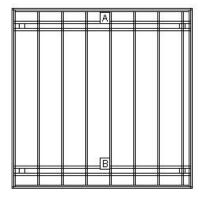


Top view with planks





Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 63 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 48" from the top of the decking to the ground level. The top of the deck support posts will therefore be 39" above ground level.

Joists:

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

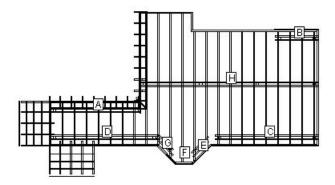
Stress Anavsis: Level 1

Stress Anaysis: Level 1					
Joist Deflection	291				
Joist Bending	84				
Joist Shear	115				
Joist Compression	115				
Beam Deflection	216				
Beam Bending	75				
Beam Shear	73				
Post Stability	266				





Permit Page: Level 2



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 34" from the top of the decking to the ground level. The top of the deck support posts will therefore be 25" above ground level.

Joists:

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

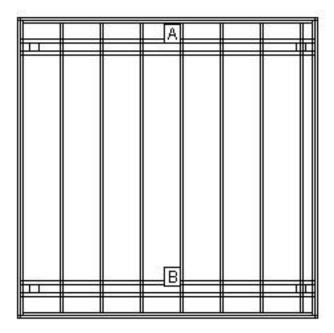
Stress Anavsis: Level 2

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Joist Deflection	318
Joist Bending	89
Joist Shear	118
Joist Compression	118
Beam Deflection	116
Beam Bending	62
Beam Shear	71
Post Stability	130





Beam Layout Level 1



 BEAM LABEL
 BEAM LENGTH
 POST COUNT
 POST SPACING

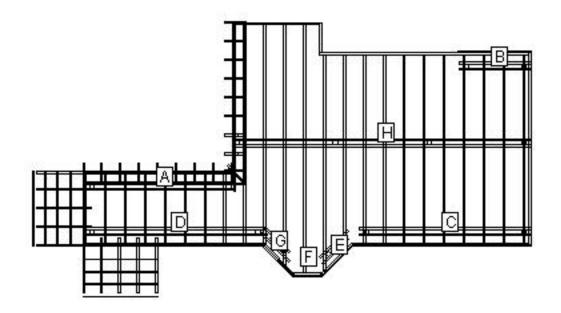
 A
 9' 10 1/4"
 2
 8' 10 3/4"

 B
 9' 10 1/4"
 2
 8' 10 3/4"





Beam Layout Level 2

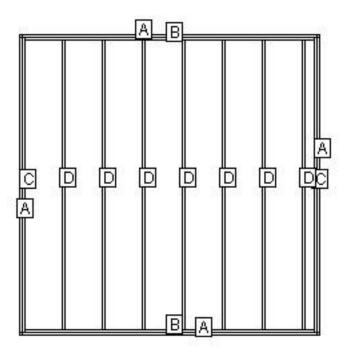


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
Α	10' 1 1/2"	2	9' 2"
В	4' 9 1/4"	2	3' 9 3/4"
С	11' 5 1/4"	2	10' 5 3/4"
D	12' 1"	2	11' 1 1/2"
E	2' 4 1/2"	2	1' 1 1/2"
F	3 1/2"	1	0
G	2' 7"	2	1' 4"
Н	19' 10 1/4"	4	6' 3 1/2"





Materials Cut List: Level 1



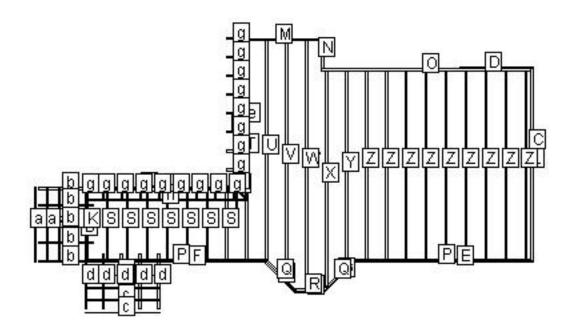
LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	4	10'	45, 45	С	Rim Joist	2	9' 10 1/4"	0, 0
В	Header	2	9' 7 1/4"	0, 0	D	Internal Joist	7	9' 7 1/4"	0, 0

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	2	10' 1"	45, 45	R	Header	1	1' 11 1/4"	0, 0
В	Cladding	1	5'	45, 45	S	Internal Joist	7	4' 7 1/4"	0, 0
С	Cladding	1	13'	45, 45	Т	Internal Joist	1	14' 7 1/4"	0, 0
D	Cladding	1	4' 11 1/2"	45, 0	U	Internal Joist	1	14' 8 3/4"	0, 0
E	Cladding	1	12' 1/4"	23, 45	V	Internal Joist	1	16' 3/4"	0, 45
F	Cladding	1	12' 1/4"	45, 23	W	Internal Joist	1	16' 7 1/4"	0, 0
G	Cladding	2	2' 10 1/4"	23, 23	Χ	Internal Joist	1	14' 5 1/2"	0, 45
Н	Cladding	1	2'	23, 23	Υ	Internal Joist	1	13' 1 1/2"	0, 45
I	Rim Joist	1	11' 2 3/4"	0, 0	Z	Internal Joist	9	12' 7 1/4"	0, 0
J	Header	1	10'	0, 0	а	Riser	4	5'	0, 0
K	Rim Joist	1	4' 10 1/4"	0, 0	b	Pre Cut Stringer	5	3' 10 1/2"	0, 0
L	Rim Joist	1	12' 10 1/4"	0, 0	С	Riser	4	4' 11 1/2"	0, 0

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

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LABE	EL NAME	QTY	LENGTH	BEVELS	LABEL	_ NAME	QTY	LENGTH	BEVELS
М	Header	1	5' 7 1/4"	0, 0	d	Pre Cut Stringer	5	3' 10 1/2"	0, 0
N	Rim Joist	1	2'	0, 0	е	Riser	1	10' 11"	45, 0
0	Header	1	14'	0, 0	f	Pre Cut Stringer	1	1' 5"	0, 0
Р	Header	2	11' 10"	0, 0	g	Pre Cut Stringer	18	1' 1 1/4"	0, 0
Q	Header	2	2' 10"	0. 0	h	Riser	1	10' 11"	0. 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
Beam	4	2X10X10 Treated	TREATED
Railing Post	4	4X4X18 Treated	TREATED
Railing Section	10	TimberTech 6' RadianceRail Custom Rail Pack - Kona® - 6'	TIMBERTECH
Railing Section	11	TT/AZEK 31" Round Aluminum Baluster - Black - 31"	TIMBERTECH
Cladding	11	TimberTech Earthwood Evolutions® Legacy Fascia Board - Mocha - 12'	TIMBERTECH
Decking	30	TimberTech Earthwood Evolutions® Legacy Deck Plank, Square Shouldered - Mocha - 16'	TIMBERTECH
Header	12	2X8X10 Treated	TREATED
Post	8	4X4X8 Treated	TREATED
Rim Joist	1	2X8X12 Treated	TREATED
Internal Joist	3	2X8X16 Treated	TREATED
Internal Joist	4	2X8X18 Treated	TREATED
Internal Joist	14	2X8X14 Treated	TREATED
Beam	4	2X10X12 Treated	TREATED
Beam	4	2X10X14 Treated	TREATED
Beam	3	2X10X8 Treated	TREATED
Pre Cut Stringer	10	4-Step Treated Stair Stringer	TREATED
Pre Cut Stringer	19	2-Step Treated Stair Stringer	TREATED
Railing Post	1	4X4X8 Treated	TREATED
Railing Section	4	TimberTech 8' RadianceRail Custom Rail Pack - Kona® - 8'	TIMBERTECH
Decking	35	TimberTech Earthwood Evolutions® Legacy Deck Plank, Square Shouldered - Mocha - 20'	TIMBERTECH
Header	3	2X8X8 Treated	TREATED
Beam	1	2X10X18 Treated	TREATED
Riser	6	TimberTech Earthwood Evolutions® Legacy Riser Board - Mocha - 12'	TIMBERTECH
Railing Section	4	TT/AZEK 31" Round Aluminum Stair Baluster - Black - 31"	TIMBERTECH
Pre Cut Stringer	1	3-Step Treated Stair Stringer	TREATED



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DECK DESIGNER

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





Other Materials

Qty	Description
4	1 LB. 10D X1 1/2" Nail
4	1 LB. 10D Hot-Dip Galvanized Nail
55	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
10	7" Triple Zinc Angle Clip AC7-TZ
4	1LB. 8D Galvanized Common Nail
2	1 LB. 1-1/2" Joist Hanger Nail
74	Triple Zinc Rafter Tie RT7-TZ
21	Anchor Bolt AB128
21	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
33	80 L.B. Basic Concrete Mix
2	40 LB. Basic Concrete Mix
16	8" X 48" Concrete Form Tube
336	1/2 Galvanized Flat Washer
7	1/2 Galvanized Hex Nut
168	1/2 X 8" Galvanized Carriage Bolt
44	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
22	TimberTech 5" Post Skirt - Kona®
88	3/8 Galvanized Hex Nut
176	3/8 Galvanized Flat Washer
88	3/8 X 8" Galvanized Carriage Bolt
22	TimberTech 5" x 5" Post Sleeve - Kona® - 42"
22	TimberTech 5" Post Cap - Kona®
1	TimberTech TOPLoc Fascia Bit
2	TimberTech TOPLoc Fascia Pack Walnut - Walnut
3	TimberTech TOPLoc 100 Sq. Ft. Pack Walnut - Walnut
36	1/2 X 6" Galvanized Lag Screw
1	5 LB. 10D Hot-Dip Galvanized Nail
1	1LB. 16D Galvanized Common Nail
1	2x6-8" Triple Zinc Right Skewed Joist Hanger SKH26R-TZ
2	2x6-8" Triple Zinc Left Skewed Joist Hanger SKH26L-TZ
4	THR128-HDG Threaded Rod
8	DTB-TZ Deck Tie Bracket
29	7" Triple Zinc Angle Clip AC7-TZ







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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