





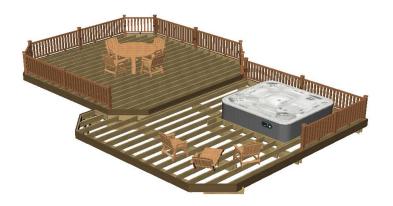
Deck Designer Specification Kit For

TimberTech





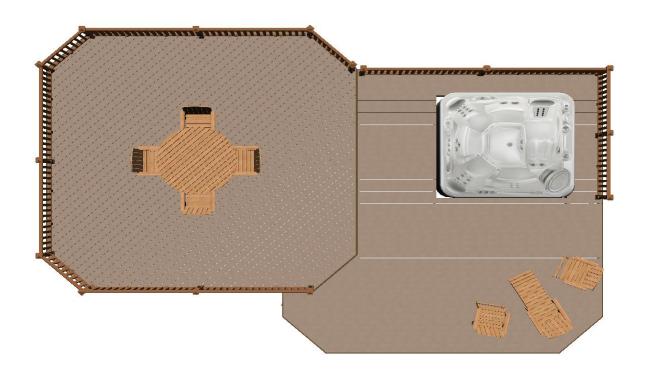
Deck layout diagram





Top view without planks

Bottom view with planks

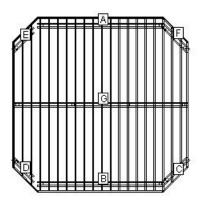


Top view with planks





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 18" from the top of the decking to the ground level. The top of the deck support posts will therefore be 9" above ground level.

Joists:

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

Stress Anavsis: Level 1

Oticos Ana)	010: 20101 1
Joist Deflection	246
Joist Bending	83
Joist Shear	134
Joist Compression	134
Beam Deflection	469
Beam Bending	82
Beam Shear	62
Post Stability	113





Permit Page: Level 2



LOAD AND SUPPORT:

Your deck will support a 43 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 11" from the top of the decking to the ground level. The top of the deck support posts will therefore be 2" above ground level.

Joists:

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

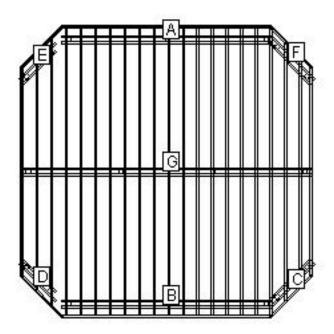
Stress Anavsis: Level 2

Oil C33 Allay	7515. ECVCI E
Joist Deflection	144
Joist Bending	53
Joist Shear	94
Joist Compression	94
Beam Deflection	379
Beam Bending	94
Beam Shear	80
Post Stability	153





Beam Layout Level 1

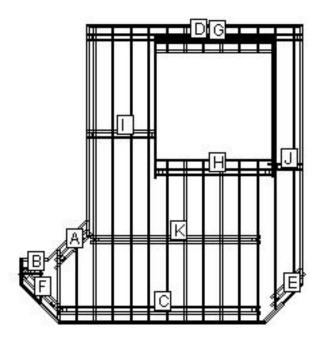


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	14' 5 1/4"	3	6' 9"
В	14' 5 1/4"	3	6' 9"
С	4' 1 1/2"	2	2' 10 1/2"
D	3' 6 1/2"	2	2' 3 1/2"
E	3' 6 1/2"	2	2' 3 1/2"
F	4' 1 1/2"	2	2' 10 1/2"
G	19' 10 1/4"	4	6' 3 1/2"





Beam Layout Level 2

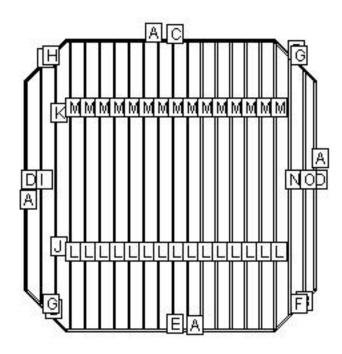


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	3' 3"	2	2'
В	1' 7"	1	0
С	14' 11"	3	7'
D	15' 10 1/4"	3	7' 5 1/2"
E	3' 4 3/4"	2	2' 1 3/4"
F	4' 1 1/2"	2	2' 10 1/2"
G	8' 9"	2	7' 9 1/2"
Н	8' 9"	2	7' 9 1/2"
1	5' 1 1/4"	2	4' 1 3/4"
J	2' 6 1/4"	2	1' 6 3/4"
K	12' 6"	3	5' 9 1/4"





Materials Cut List: Level 1



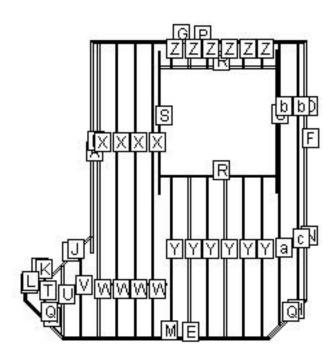
LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	4	14' 4"	23, 23	I	Internal Joist	1	16' 2"	45, 45
В	Cladding	4	4'	23, 23	J	Internal Joist	1	9' 1"	45, 45
С	Header	1	14' 3 1/4"	0, 0	K	Internal Joist	1	9' 1"	45, 45
D	Rim Joist	2	14' 3 1/4"	0, 0	L	Internal Joist	15	9' 9 1/2"	0, 0
Е	Header	1	14' 3 1/4"	0, 0	M	Internal Joist	15	9' 9 3/4"	0, 0
F	Header	1	3' 11 1/4"	0, 0	N	Internal Joist	1	17' 7 1/2"	45, 45
G	Header	2	3' 11 1/4"	0, 0	0	Internal Joist	1	15' 7 1/2"	45, 45
Н	Header	1	3' 11 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	1	14' 4 1/4"	45, 23	Р	Header	1	15' 7 1/4"	0, 0
В	Cladding	1	4' 1"	23, 23	Q	Header	2	3' 11 1/4"	0, 0
С	Cladding	1	2' 1/4"	23, 45	R	Header	2	8' 6"	0, 0
D	Cladding	1	2'	45, 23	S	Rim Joist	2	10' 5 1/2"	0, 0
Е	Cladding	1	15' 2"	23, 23	T	Internal Joist	1	3' 3/4"	0, 45
F	Cladding	1	19' 2"	23, 45	U	Internal Joist	1	5' 2"	45, 45
G	Cladding	1	16'	45, 45	V	Internal Joist	1	6' 6 3/4"	45, 0
Н	Cladding	2	4'	23, 23	W	Internal Joist	4	5' 11 1/2"	0, 0
I	Rim Joist	1	15' 6 1/4"	0, 0	Χ	Internal Joist	4	15' 7 3/4"	0, 0
J	Header	1	4' 1"	0, 0	Υ	Internal Joist	6	11' 10 1/4"	0, 0
K	Header	1	1' 10"	0, 0	Z	Internal Joist	6	1' 10 1/4"	0, 0
L	Rim Joist	1	1' 11"	0, 0	а	Internal Joist	1	10' 6"	0, 45

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

www.TimberTech.com
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DECK DESIGNER

LABE	L NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
M	Header	1	15' 1 1/4"	0, 0	b	Internal Joist	2	10' 3 1/2"	0, 45
N	Rim Joist	1	8' 7 3/4"	0, 0	С	Internal Joist	1	9' 2"	0, 45
0	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	13	2X8X16 Treated	TREATED
Internal Joist	5	2X8X18 Treated	TREATED
Internal Joist	34	2X8X10 Treated	TREATED
Beam	9	2X10X16 Treated	TREATED
Beam	3	2X10X8 Treated	TREATED
Beam	4	2X10X14 Treated	TREATED
Railing Post	3	4X4X18 Treated	TREATED
Railing Section	3	TimberTech 6' RadianceRail Rail Pack - Mountain Cedar - 6'	TIMBERTECH
Railing Section	9	TimberTech 8' RadianceRail Rail Pack - Mountain Cedar - 8'	TIMBERTECH
Railing Section	12	TT/AZEK 29" Square Composite Baluster - Mountain Cedar - 31"	TIMBERTECH
Cladding	14	TimberTech Earthwood Evolutions® Legacy Fascia Board - Pecan - 12'	TIMBERTECH
Decking	4	TimberTech Earthwood Evolutions® Terrain Collection Deck Plank, Grooved - Sandy Birch - 12'	TIMBERTECH
Decking	72	TimberTech Earthwood Evolutions® Terrain Collection Deck Plank, Grooved - Sandy Birch - 16'	TIMBERTECH
Decking	19	TimberTech Earthwood Evolutions® Terrain Collection Deck Plank, Grooved - Sandy Birch - 20'	TIMBERTECH
Post	3	4X4X8 Treated	TREATED
Beam	3	2X10X18 Treated	TREATED
Internal Joist	8	2X8X8 Treated	TREATED
Rim Joist	13	2X8X12 Treated	TREATED
Beam	4	2X10X10 Treated	TREATED

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





Other Materials

Qty	Description
8	1 LB. 10D Hot-Dip Galvanized Nail
2	1LB. 16D Galvanized Common Nail
6	2x6-8" Triple Zinc Right Skewed Joist Hanger SKH26R-TZ
8	2x6-8" Triple Zinc Left Skewed Joist Hanger SKH26L-TZ
3	1 LB. 10D X1 1/2" Nail
66	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
7	5" Triple Zinc Angle Clip MP5-TZ
6	1LB. 8D Galvanized Common Nail
6	1 LB. 1-1/2" Joist Hanger Nail
137	Triple Zinc Rafter Tie RT7-TZ
42	Anchor Bolt AB128
42	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
67	80 L.B. Basic Concrete Mix
1	10 LB. Basic Concrete Mix
32	8" X 48" Concrete Form Tube
672	1/2 Galvanized Flat Washer
14	1/2 Galvanized Hex Nut
336	1/2 X 8" Galvanized Carriage Bolt
30	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
15	TimberTech 5" Post Skirt - Mountain Cedar
60	3/8 Galvanized Hex Nut
120	3/8 Galvanized Flat Washer
60	3/8 X 8" Galvanized Carriage Bolt
15	TimberTech 5" x 5" Post Sleeve - Mountain Cedar - 42"
15	TimberTech 5" LED Post Cap Light
15	TimberTech 5" Post Cap - Mountain Cedar
1	TT/AZEK Decklites Dimmer
1	TT/AZEK Wire Guide - 60 Packs of 12 ea.
2	TT/AZEK 100' wire 16/2
14	TT/AZEK LED Accent Light - Architectural Bronze
1	TT/AZEK Transformer - 12 Volt 150 W
23	2 Pieces of Joist Material Nailed to Each Joist Splice
1	TimberTech TOPLoc Fascia Bit
3	TimberTech TOPLoc Fascia Pack Teak - Teak
8	TimberTech CONCEALoc Hidden Fastener - Unit = 8 retail cartons @ 100 sq.ft. coverage each (175 CONCEALoc fasteners, 184 Screws and drive bit) - Brown
3	7" Triple Zinc Angle Clip AC7-TZ
1	60 L.B. Basic Concrete Mix





Qty Description

1 TimberTech TOPLoc 100 Sq. Ft. Pack Cedar - Cedar

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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