

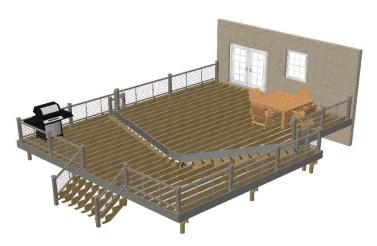
Deck Designer Specification Kit For

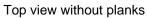
TimberTech





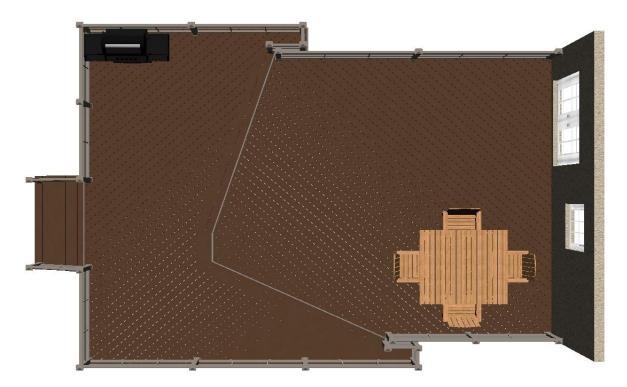
Deck layout diagram







Bottom view with planks

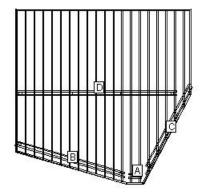


Top view with planks





Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 43 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, 12"; center to center.

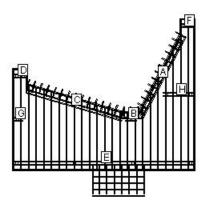
Stress Anavsis: Level 1

Stress Analy	/SIS: Level 1
Joist Deflection	166
Joist Bending	64
Joist Shear	120
Joist Compression	120
Beam Deflection	129
Beam Bending	53
Beam Shear	56
Post Stability	119





Permit Page: Level 2



LOAD AND SUPPORT:

Your deck will support a 44 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, 12"; center to center.

Stress Anavsis: Level 2

Oticos Anay	0.0. 2010. 2
Joist Deflection	138
Joist Bending	56
Joist Shear	114
Joist Compression	114
Beam Deflection	141
Beam Bending	54
Beam Shear	56
Post Stability	141





Beam Layout Level 1

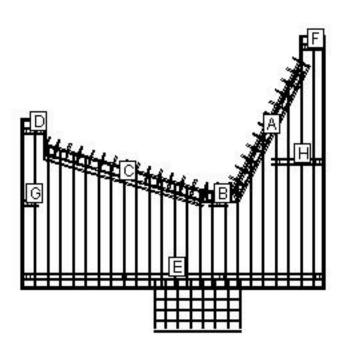


BEAM LENGTH	POST COUNT	POST SPACING
1' 6"	1	0
12' 11 3/4"	3	5' 11 1/2"
11' 2 1/4"	2	9' 8 1/4"
18' 3"	4	5' 9 1/4"
	1' 6" 12' 11 3/4" 11' 2 1/4"	1' 6" 1 12' 11 3/4" 3 11' 2 1/4" 2





Beam Layout Level 2

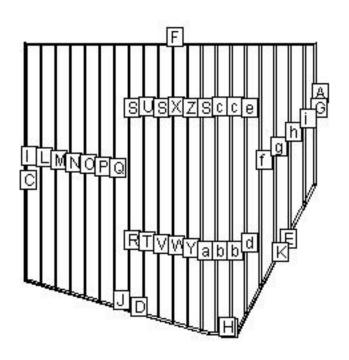


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
Α	10' 10 3/4"	2	9' 4 1/2"
В	1' 6"	1	0
С	13'	3	6'
D	1' 10 1/4"	2	10 3/4"
E	23' 10 1/4"	4	7' 7 1/2"
F	1' 10 1/4"	2	10 3/4"
G	1' 3"	1	0
Н	4' 1 1/4"	2	3' 1 3/4"





Materials Cut List: Level 1



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	1	9' 9"	14, 45	S	Internal Joist	3	9' 4 1/2"	0, 16
В	Cladding	1	2'	8, 31	Т	Internal Joist	1	9' 1/4"	0, 16
С	Cladding	1	16' 4"	45, 37	U	Internal Joist	1	9' 3 3/4"	0, 16
D	Cladding	1	13' 1 1/4"	37, 8	V	Internal Joist	1	9' 2 3/4"	0, 16
E	Cladding	1	11' 7"	31, 14	W	Internal Joist	1	9' 7 1/4"	0, 16
F	Header	1	19' 7 1/4"	0, 0	Χ	Internal Joist	1	9' 3 1/2"	0, 16
G	Rim Joist	1	9' 8"	0, 0	Υ	Internal Joist	1	9' 9 3/4"	0, 16
Н	Header	1	1' 11 1/4"	0, 0	Z	Internal Joist	1	9' 4 3/4"	0, 16
1	Rim Joist	1	16' 2 1/2"	0, 0	а	Internal Joist	1	10' 1 1/4"	0, 16
J	Header	1	13' 1/2"	0, 0	b	Internal Joist	2	10' 3 1/2"	0, 0
K	Header	1	11' 6 1/4"	0, 0	С	Internal Joist	2	9' 3 3/4"	0, 0
L	Internal Joist	1	16' 3 1/4"	0, 16	d	Internal Joist	1	9' 1"	0, 62

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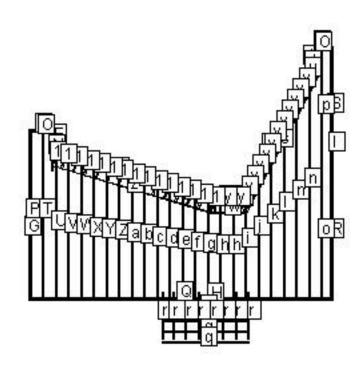


LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
M	Internal Joist	1	16' 7"	0, 16	е	Internal Joist	1	9' 4 1/2"	0, 62
N	Internal Joist	1	16' 10 1/4"	0, 16	f	Internal Joist	1	16' 6 3/4"	0, 62
0	Internal Joist	1	17' 2"	0, 16	g	Internal Joist	1	14' 8"	0, 62
Р	Internal Joist	1	17' 5 1/4"	0, 16	h	Internal Joist	1	12' 9 1/4"	0, 62
Q	Internal Joist	1	17' 9"	0, 16	i	Internal Joist	1	10' 10 1/2"	0, 62
R	Internal Joist	1	8' 7 3/4"	0, 16					





Materials Cut List: Level 2



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	1	2' 1/4"	45, 14	b	Internal Joist	1	8' 11 1/2"	16, 0
В	Cladding	1	11' 8"	14, 31	С	Internal Joist	1	8' 8"	16, 0
С	Cladding	1	2' 3/4"	31, 8	d	Internal Joist	1	8' 4 1/2"	16, 0
D	Cladding	1	13' 2"	8, 37	е	Internal Joist	1	8' 1"	16, 0
E	Cladding	1	2' 3/4"	37, 45	f	Internal Joist	1	7' 9 1/2"	16, 0
F	Cladding	2	2'	45, 45	g	Internal Joist	1	7' 6"	16, 0
G	Cladding	1	13' 5"	45, 45	h	Internal Joist	2	7' 4 1/4"	0, 0
Н	Cladding	1	24'	45, 45	i	Internal Joist	1	8' 3 1/2"	62, 0
1	Cladding	1	20'	45, 45	j	Internal Joist	1	10' 2 1/4"	62, 0
J	Rim Joist	1	3' 2"	0, 0	k	Internal Joist	1	12' 1"	62, 0
K	Header	1	11' 8"	0, 0	I	Internal Joist	1	13' 11 1/2"	62, 0
L	Header	1	2' 3/4"	0, 0	m	Internal Joist	1	15' 10 1/4"	62, 0

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LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
M	Header	1	13' 2"	0, 0	n	Internal Joist	1	17' 9"	62, 0
N	Rim Joist	1	3' 2 1/2"	0, 0	0	Internal Joist	1	9' 10 1/2"	0, 0
0	Header	2	1' 7 1/4"	0, 0	р	Internal Joist	1	9' 8 3/4"	0, 0
Р	Rim Joist	1	13' 3 1/4"	0, 0	q	Riser	4	6' 10 1/2"	0, 0
Q	Header	1	23' 7 1/4"	0, 0	r	Pre Cut Stringer	8	3' 10 1/2"	0, 0
R	Rim Joist	1	10' 1/4"	0, 0	S	Riser	1	12' 1 3/4"	31, 0
S	Rim Joist	1	9' 10"	0, 0	t	Pre Cut Stringer	1	1' 2 3/4"	0, 0
Т	Internal Joist	1	13' 1/4"	0, 0	u	Pre Cut Stringer	1	1' 1 1/4"	0, 0
U	Internal Joist	1	11'	16, 0	V	Pre Cut Stringer	12	1' 1 1/4"	0, 0
V	Internal Joist	1	10' 8 1/2"	16, 0	W	Riser	1	2' 8"	8, 31
W	Internal Joist	1	10' 5"	16, 0	Х	Pre Cut Stringer	1	1' 1 1/4"	0, 0
Χ	Internal Joist	1	10' 1 1/2"	16, 0	у	Pre Cut Stringer	3	1' 1 1/4"	0, 0
Υ	Internal Joist	1	9' 10"	16, 0	Z	Riser	1	13' 3"	0, 8
Z	Internal Joist	1	9' 6 1/2"	16, 0	1	Pre Cut Stringer	15	1' 1 1/4"	0, 0
а	Internal Joist	1	9' 3"	16. 0					





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	21	2X8X18 Treated	TREATED
Internal Joist	20	2X8X10 Treated	TREATED
Internal Joist	8	2X8X12 Treated	TREATED
Internal Joist	2	2X8X16 Treated	TREATED
Internal Joist	5	2X8X14 Treated	TREATED
Beam	6	2X10X14 Treated	TREATED
Beam	4	2X10X12 Treated	TREATED
Beam	4	2X10X8 Treated	TREATED
Railing Post	2	4X4X8 Treated	TREATED
Railing Post	4	4X4X18 Treated	TREATED
Railing Section	6	TimberTech 6' RadianceRail Custom Rail Pack - Slate Gray - 6'	TIMBERTECH
Railing Section	8	TimberTech 8' RadianceRail Custom Rail Pack - Slate Gray - 8'	TIMBERTECH
Baluster	22	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	TIMBERTECH
Cladding	13	TimberTechEarthwood Evolutions® Terrain Collection Fascia Board, 12" wide - Stone Ash - 12'	TIMBERTECH
Decking	77	TimberTech Earthwood Evolutions® Terrain Collection Deck Plank, Grooved - Rustic Elm - 16'	TIMBERTECH
Decking	14	TimberTech Earthwood Evolutions® Terrain Collection Deck Plank, Grooved - Rustic Elm - 20'	TIMBERTECH
Post	11	4X4X8 Treated	TREATED
Beam	2	2X10X10 Treated	TREATED
Beam	2	2X10X16 Treated	TREATED
Pre Cut Stringer	8	4-Step Treated Stair Stringer	TREATED
Pre Cut Stringer	35	2-Step Treated Stair Stringer	TREATED
Decking	2	TimberTech Earthwood Evolutions® Terrain Collection Deck Plank, Grooved - Rustic Elm - 12'	TIMBERTECH
Header	4	2X8X8 Treated	TREATED
Beam	1	2X10X18 Treated	TREATED



DECK DESIGNER



Lumber Materials

COMPONENT	QTY	DESCRIPTION	WOOD TYPE
Riser	6	TimberTech Earthwood Evolutions® Terrain Collection Riser Board, 7 1/4" wide - Stone Ash - 12'	TIMBERTECH
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

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





Other Materials

Qty	Description
3	TT/AZEK CableRail 100' Stainless Steel Cable - Stainless - 100'
4	1 LB. 10D X1 1/2" Nail
7	1 LB. 10D Hot-Dip Galvanized Nail
48	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
72	5" Triple Zinc Angle Clip MP5-TZ
8	7" Triple Zinc Angle Clip AC7-TZ
4	5" Triple Zinc Angle Clip MP5-TZ
2	THR128-HDG Threaded Rod
4	DTB-TZ Deck Tie Bracket
5	1LB. 8D Galvanized Common Nail
4	1 LB. 1-1/2" Joist Hanger Nail
100	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
2	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
44	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
22	TimberTech 5" Post Skirt - Slate Gray
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 - Slate Gray - 42"
22	TimberTech 5" LED Post Cap Light
22	TimberTech 5" Post Cap - Slate Gray
1	TT/AZEK CableRail Cable Cutters
1	TT/AZEK CableRail Accessory Kit [Quick-Connect release tool, lacing needle, hanger bolt installation tool] -
16	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 Wire Guide - 60 Packs of 12 ea.
2	TT/AZEK 100' wire 16/2
1	TT/AZEK Decklites Dimmer
1	TT/AZEK Transformer - 12 Volt 150 W
1	TT/AZEK CableRail Protector Sleeves [Pack of 20] - Stainless

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DECK DESIGNER

Qty	Description
11	2 Pieces of Joist Material Nailed to Each Joist Splice
3	TimberTech TOPLoc Fascia Pack Stone Ash - Stone Ash
7	TimberTech CONCEALoc Hidden Fastener - Unit = 8 retail cartons @ 100 sq.ft. coverage each (175 CONCEALoc fasteners, 184 Screws and drive bit) - Brown
40	1/2 X 6" Galvanized Lag Screw
1	TT/AZEK CableRail 500' Stainless Steel Cable - Stainless - 500'
1	5 LB. 10D Hot-Dip Galvanized Nail
1	40 LB. Basic Concrete Mix
41	7" Triple Zinc Angle Clip AC7-TZ
1	TimberTech Cortex - 100 LF Evolutions 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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