





Deck Designer Specification Kit For

TimberTech





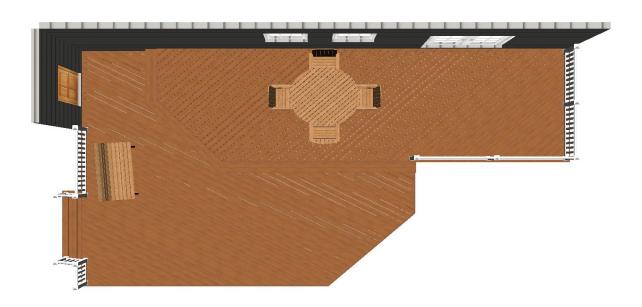
Deck layout diagram





Top view without planks

Bottom view with planks



Top view with planks





Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 66 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 36" from the top of the decking to the ground level. The top of the deck support posts will therefore be 27" above ground level.

Joists:

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

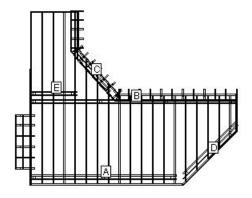
Stress Anavsis: Level 1

Cti coo 7 tilaj	0.01 = 0.01 1
Joist Deflection	274
Joist Bending	90
Joist Shear	139
Joist Compression	139
Beam Deflection	280
Beam Bending	83
Beam Shear	76
Post Stability	149





Permit Page: Level 2



LOAD AND SUPPORT:

Your deck will support a 40 PSF live load. Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 22" from the top of the decking to the ground level. The top of the deck support posts will therefore be 13" above ground level.

Joists:

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

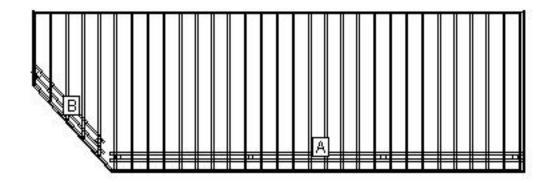
Stress Anavsis: Level 2

Oti 000 / tilaj	313. LCVCI Z
Joist Deflection	135
Joist Bending	50
Joist Shear	92
Joist Compression	92
Beam Deflection	248
Beam Bending	69
Beam Shear	62
Post Stability	121





Beam Layout Level 1



 BEAM LABEL
 BEAM LENGTH
 POST COUNT
 POST SPACING

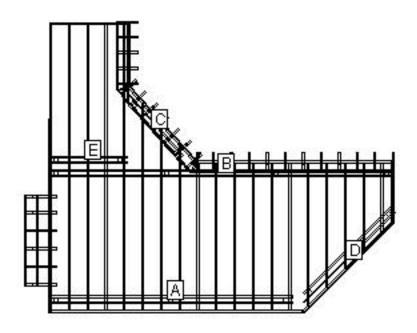
 A
 25' 6 1/4"
 4
 8' 2 1/4"

 B
 6' 9"
 2
 5' 5 3/4"





Beam Layout Level 2

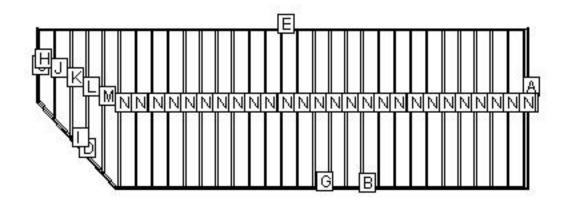


BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
Α	17' 7"	3	8' 3 3/4"
В	24' 10 1/4"	4	7' 11 1/2"
С	5' 10"	2	4' 6 3/4"
D	9' 3 1/4"	2	8' 1/4"
E	5' 7"	2	4' 7 1/2"





Materials Cut List: Level 1



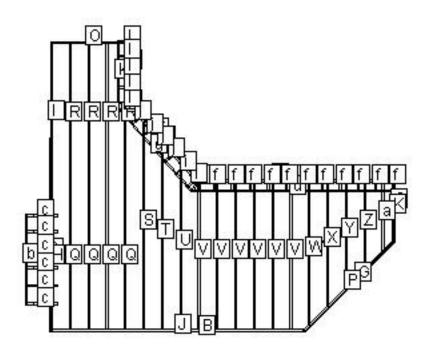
LABEL	. NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
Α	Cladding	1	10'	45, 45	Н	Rim Joist	1	4' 6"	0, 0
В	Cladding	1	25' 7"	24, 45	I	Header	1	7' 2 1/2"	0, 0
С	Cladding	1	4' 7"	45, 21	J	Internal Joist	1	5' 5 1/4"	0, 48
D	Cladding	1	7' 3"	21, 24	K	Internal Joist	1	6' 6 1/2"	0, 48
E	Header	1	30' 1/4"	0, 0	L	Internal Joist	1	7' 8"	0, 48
F	Rim Joist	1	9' 10 1/4"	0, 0	М	Internal Joist	1	8' 9 1/2"	0, 48
G	Header	1	25' 4 1/4"	0. 0	N	Internal Joist	26	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	1	14'	0, 45	Т	Internal Joist	1	13' 6"	48, 0
В	Cladding	1	18' 6"	45, 23	U	Internal Joist	1	12'	48, 0
С	Cladding	1	4' 7"	23, 45	V	Internal Joist	6	10' 8 1/4"	0, 0
D	Cladding	1	14' 4 1/2"	45, 24	W	Internal Joist	1	10' 4 1/2"	0, 45
E	Cladding	1	7' 4"	24, 21	Χ	Internal Joist	1	9' 1/2"	0, 45
F	Cladding	1	4' 7 1/4"	21, 45	Υ	Internal Joist	1	7' 8 1/2"	0, 45
G	Cladding	1	9' 2 1/4"	23, 23	Z	Internal Joist	1	6' 4 1/2"	0, 45
Н	Rim Joist	1	10' 1 1/4"	0, 0	а	Internal Joist	1	5' 1/2"	0, 45
1	Rim Joist	1	10' 10"	0, 0	b	Riser	2	6' 6"	0, 0
J	Header	1	18' 3 1/4"	0, 0	С	Pre Cut Stringer	6	2' 2 1/2"	0, 0
K	Rim Joist	1	4' 6"	0, 0	d	Riser	1	14' 9"	24, 0
L	Header	1	14' 2"	0, 0	е	Pre Cut Stringer	1	1' 2"	0, 0

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

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Page 8





DECK DESIGNER

LABE	L NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
М	Header	1	7' 4"	0, 0	f	Pre Cut Stringer	12	1' 1 1/4"	0, 0
N	Rim Joist	1	5' 9 1/4"	0, 0	g	Riser	1	8' 1/4"	21, 24
0	Header	1	5' 5 1/4"	0, 0	h	Pre Cut Stringer	1	1' 2"	0, 0
Р	Header	1	9' 1 1/2"	0, 0	i	Pre Cut Stringer	2	1' 1 1/4"	0, 0
Q	Internal Joist	4	9' 11 1/2"	0, 0	j	Pre Cut Stringer	5	1' 1 1/4"	0, 0
R	Internal Joist	4	10' 8 3/4"	0, 0	k	Riser	1	4' 11 1/4"	0, 21
S	Internal Joist	1	15'	48, 0	1	Pre Cut Stringer	5	1' 1 1/4"	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
Beam	6	2X10X10 Treated	TREATED
Beam	7	2X10X18 Treated	TREATED
Beam	3	2X10X8 Treated	TREATED
Railing Post	2	4X4X18 Treated	TREATED
Railing Section	6	TimberTech 8' x 36" RadianceRail Rail Kit - White - 8'	TIMBERTECH
Cladding	11	TimberTech Earthwood Evolutions® Tropical Fascia Board - Pacific Rosewood - 12'	TIMBERTECH
Decking	90	TimberTech Earthwood Evolutions® Tropical Deck Plank, Square Shouldered - Pacific Teak - 16'	TIMBERTECH
Header	6	2X8X8 Treated	TREATED
Header	13	2X8X12 Treated	TREATED
Header	4	2X8X18 Treated	TREATED
Rim Joist	7	2X8X16 Treated	TREATED
Internal Joist	30	2X8X10 Treated	TREATED
Post	4	4X4X8 Treated	TREATED
Internal Joist	2	2X8X14 Treated	TREATED
Pre Cut Stringer	34	2-Step Treated Stair Stringer	TREATED
Railing Post	1	4X4X8 Treated	TREATED
Decking	4	TimberTech Earthwood Evolutions® Tropical Deck Plank, Square Shouldered - Pacific Teak - 20'	TIMBERTECH
Riser	4	TimberTech Earthwood Evolutions® Tropical Riser Board - Pacific Rosewood - 12'	TIMBERTECH

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





Other Materials

Qty	Description
5	1 LB. 10D X1 1/2" Nail
2	5 LB. 10D Hot-Dip Galvanized Nail
84	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
14	5" Triple Zinc Angle Clip MP5-TZ
7	7" Triple Zinc Angle Clip AC7-TZ
3	5" Triple Zinc Angle Clip MP5-TZ
4	THR128-HDG Threaded Rod
8	DTB-TZ Deck Tie Bracket
4	1LB. 8D Galvanized Common Nail
3	1 LB. 1-1/2" Joist Hanger Nail
80	Triple Zinc Rafter Tie RT7-TZ
19	Anchor Bolt AB128
19	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
30	80 L.B. Basic Concrete Mix
1	40 LB. Basic Concrete Mix
2	10 LB. Basic Concrete Mix
15	8" X 48" Concrete Form Tube
304	1/2 Galvanized Flat Washer
7	1/2 Galvanized Hex Nut
152	1/2 X 8" Galvanized Carriage Bolt
22	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
11	TimberTech 5" Post Skirt - White
44	3/8 Galvanized Hex Nut
88	3/8 Galvanized Flat Washer
44	3/8 X 8" Galvanized Carriage Bolt
11	TimberTech 5" x 5" Post Sleeve - White - 42"
11	TimberTech 5" Post Cap - White
1	TimberTech TOPLoc Fascia Bit
2	TimberTech TOPLoc Fascia Pack Rosewood - Pacific Rosewood
6	TimberTech Cortex - 100 LF Evolutions Pacific Teak - Pacific Teak
88	1/2 X 6" Galvanized Lag Screw
1	1 LB. 10D Hot-Dip Galvanized Nail
1	1LB. 16D Galvanized Common Nail
5	2x6-8" Triple Zinc Left Skewed Joist Hanger SKH26L-TZ
32	7" Triple Zinc Angle Clip AC7-TZ
5	2 Pieces of Joist Material Nailed to Each Joist Splice
1	TT/AZEK Transformer - 12 Volt 150 W
1	TT/AZEK Decklites Dimmer

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QtyDescription1TT/AZEK 100' wire 16/228TT/AZEK LED Riser Light - Architectural Bronze

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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