



Deck Designer Specification Kit For
TimberTech

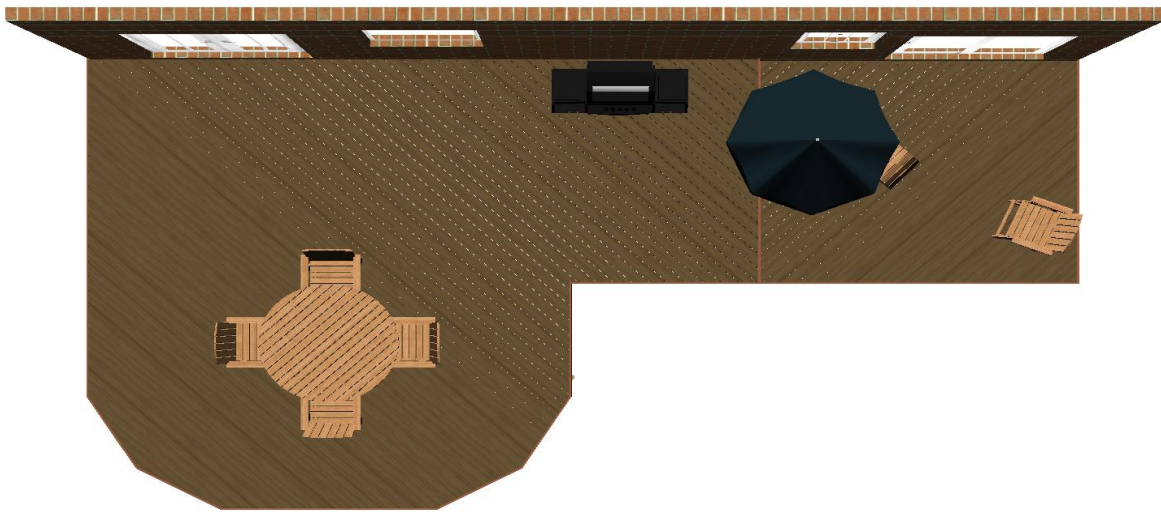
Deck layout diagram



Top view without planks

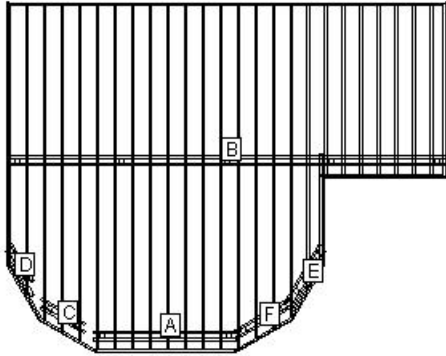


Bottom view with planks



Top view with planks

Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 53 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.

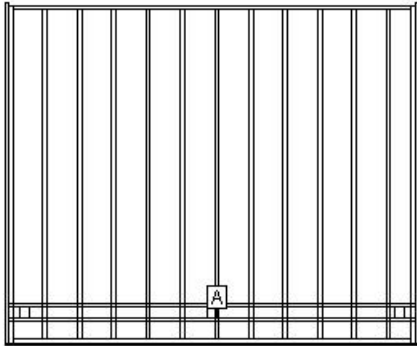
Joists:

Set joists on top of beams, 12"; center to center.

Stress Analysis: Level 1

Joist Deflection	164
Joist Bending	63
Joist Shear	120
Joist Compression	120
Beam Deflection	417
Beam Bending	88
Beam Shear	64
Post Stability	115

Permit Page: Level 2



LOAD AND SUPPORT:

Your deck will support a 80 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.

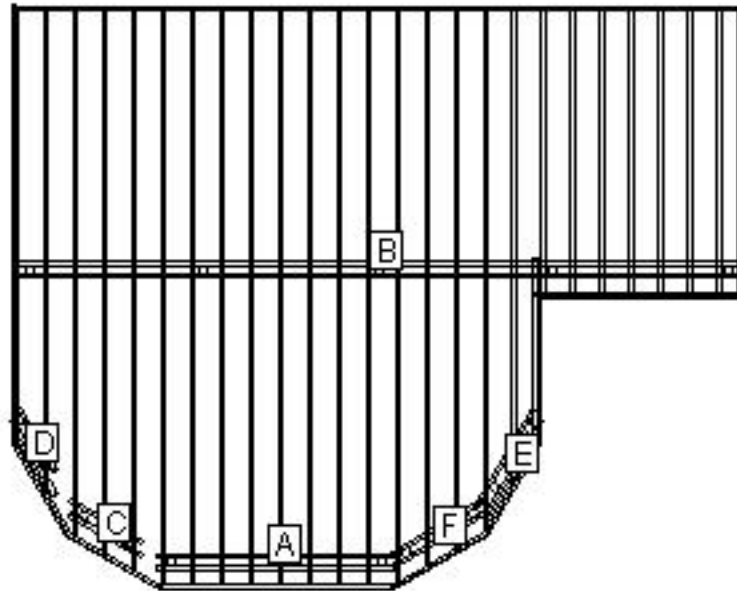
Joists:

Set joists on top of beams, 12"; center to center.

Stress Analysis: Level 2

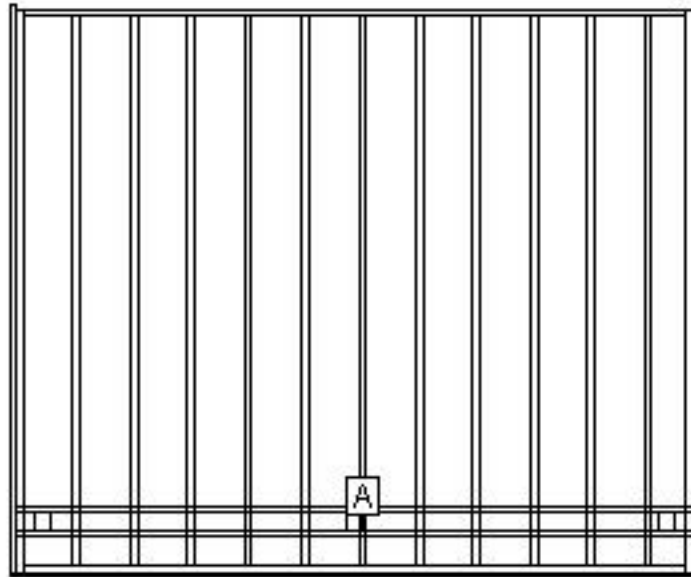
Joist Deflection	274
Joist Bending	90
Joist Shear	139
Joist Compression	139
Beam Deflection	1430
Beam Bending	189
Beam Shear	130
Post Stability	224

Beam Layout Level 1



BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	8' 2 1/2"	2	7' 3"
B	24' 10 1/4"	5	5' 11 3/4"
C	2' 10 3/4"	2	1' 9 1/4"
D	3'	2	1' 6 1/2"
E	3' 9 1/2"	2	2' 4"
F	3' 10"	2	2' 8 1/4"

Beam Layout Level 2



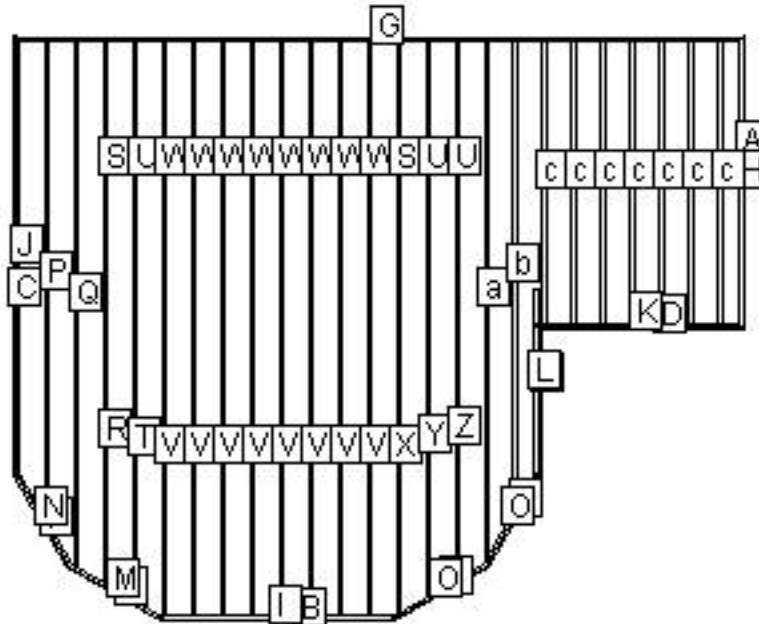
BEAM LABEL
A

BEAM LENGTH
11' 10 1/4"

POST COUNT
3

POST SPACING
5' 5 1/2"

Materials Cut List: Level 1



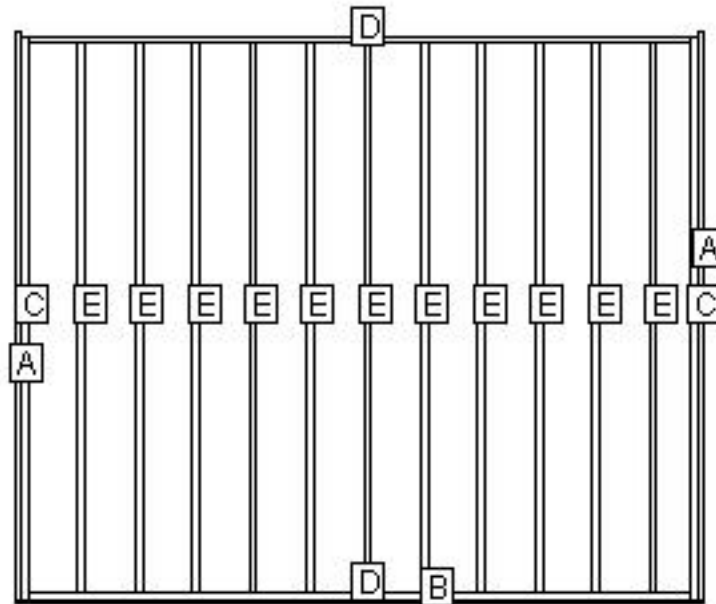
LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
A	Cladding	1	10'	45, 45	P	Internal Joist	1	16' 5 3/4"	0, 60
B	Cladding	1	8'	15, 15	Q	Internal Joist	1	17' 11 1/2"	0, 30
C	Cladding	1	15'	45, 15	R	Internal Joist	1	9' 8 3/4"	0, 30
D	Cladding	1	7' 1"	45, 45	S	Internal Joist	2	8' 9 1/2"	0, 30
E	Cladding	1	5' 1"	15, 45	T	Internal Joist	1	10' 3 3/4"	0, 30
F	Cladding	4	3' 8"	15, 15	U	Internal Joist	3	8' 9 3/4"	0, 30
G	Header	1	24' 7 1/4"	0, 0	V	Internal Joist	8	10' 9 1/2"	0, 0
H	Rim Joist	1	9' 10 1/4"	0, 0	W	Internal Joist	8	8' 9 3/4"	0, 0
I	Header	1	7' 11 1/2"	0, 0	X	Internal Joist	1	10' 8 3/4"	0, 30
J	Rim Joist	1	14' 11"	0, 0	Y	Internal Joist	1	10' 2"	0, 30
K	Header	1	7'	0, 0	Z	Internal Joist	1	9' 7"	0, 30
L	Rim Joist	1	6' 3 1/2"	0, 0	a	Internal Joist	1	17' 9"	0, 60

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

LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
M	Header	1	3' 7 1/2"	0, 0	b	Internal Joist	1	16'	0, 60
N	Header	1	3' 7 1/2"	0, 0	c	Internal Joist	7	9' 7 1/4"	0, 0
O	Header	2	3' 7 1/2"	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
A	Cladding	2	10'	45, 45	D	Header	2	11' 7 1/4"	0, 0
B	Cladding	1	12'	45, 45	E	Internal Joist	11	9' 7 1/4"	0, 0
C	Rim Joist	2	9' 10 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
Rim Joist	1	2X8X16 Treated	TREATED
Internal Joist	6	2X8X18 Treated	TREATED
Internal Joist	36	2X8X10 Treated	TREATED
Internal Joist	14	2X8X12 Treated	TREATED
Beam	2	2X10X10 Treated	TREATED
Beam	4	2X10X14 Treated	TREATED
Cladding	9	TimberTech Earthwood Evolutions® Tropical Fascia Board - Pacific Rosewood - 12'	TIMBERTECH
Decking	65	TimberTech Earthwood Evolutions® Legacy Deck Plank, Square Shouldered - Pecan - 16'	TIMBERTECH
Decking	9	TimberTech Earthwood Evolutions® Legacy Deck Plank, Square Shouldered - Pecan - 20'	TIMBERTECH
Header	2	2X8X8 Treated	TREATED
Gusset	1	2X8X14 Treated	TREATED
Post	3	4X4X8 Treated	TREATED
Beam	3	2X10X12 Treated	TREATED
Beam	1	2X10X16 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
3	1 LB. 10D X1 1/2" Nail
6	1 LB. 10D Hot-Dip Galvanized Nail
62	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
16	5" Triple Zinc Angle Clip MP5-TZ
7	7" Triple Zinc Angle Clip AC7-TZ
2	5" Triple Zinc Angle Clip MP5-TZ
4	THR128-HDG Threaded Rod
8	DTB-TZ Deck Tie Bracket
3	1LB. 8D Galvanized Common Nail
3	1 LB. 1-1/2" Joist Hanger Nail
59	Triple Zinc Rafter Tie RT7-TZ
18	Anchor Bolt AB128
18	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
28	80 L.B. Basic Concrete Mix
3	10 LB. Basic Concrete Mix
14	8" X 48" Concrete Form Tube
288	1/2 Galvanized Flat Washer
6	1/2 Galvanized Hex Nut
144	1/2 X 8" Galvanized Carriage Bolt
13	2 Pieces of Joist Material Nailed to Each Joist Splice
1	TimberTech TOPLoc Fascia Bit
2	TimberTech TOPLoc Fascia Pack Rosewood - Pacific Rosewood
3	TimberTech TOPLoc 100 Sq. Ft. Pack Teak - Teak
74	1/2 X 6" Galvanized Lag Screw
1	60 L.B. Basic Concrete Mix

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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