

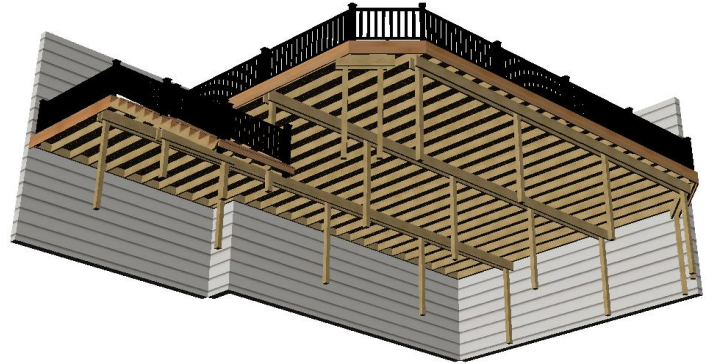


Deck Designer Specification Kit For
TimberTech

Deck layout diagram



Top view without planks

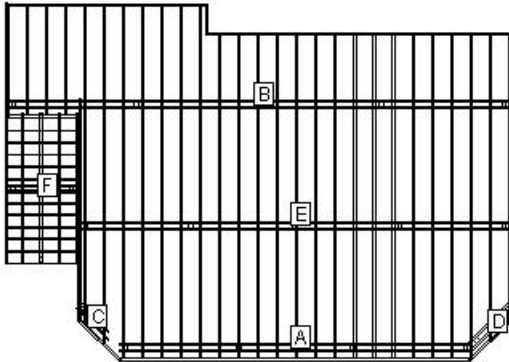


Bottom view with planks



Top view with planks

Permit Page: Level 1



LOAD AND SUPPORT:

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

DECK AND POST HEIGHT:

You selected a height of 96" from the top of the decking to the ground level. The top of the deck support posts will therefore be 87" above ground level.

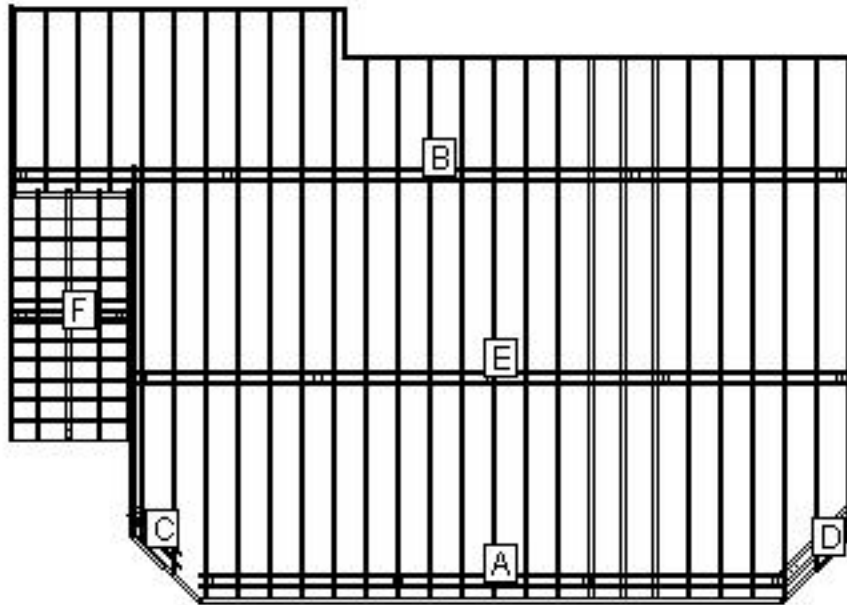
Joists:

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

Stress Analysis: Level 1

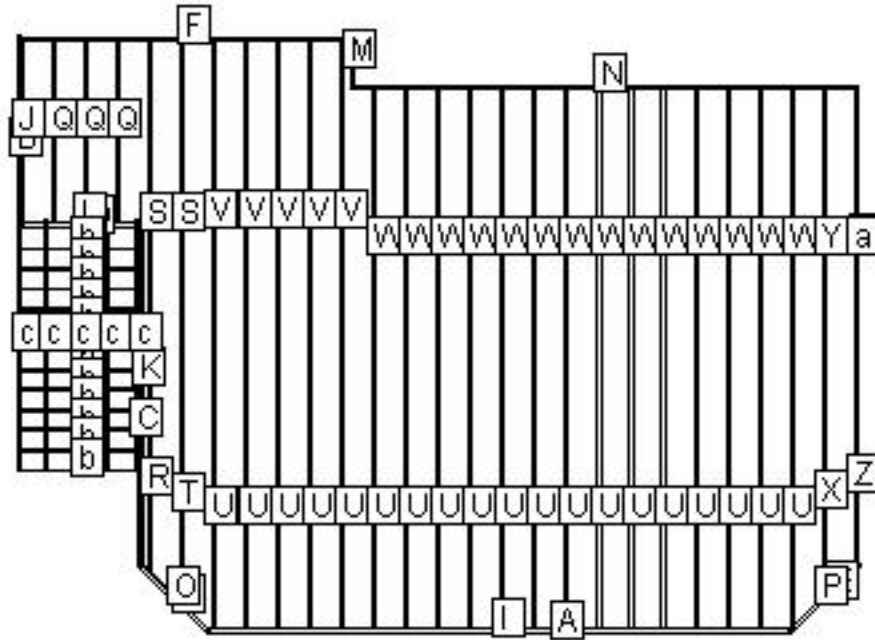
Joist Deflection	241
Joist Bending	75
Joist Shear	109
Joist Compression	109
Beam Deflection	170
Beam Bending	54
Beam Shear	50
Post Stability	100

Beam Layout Level 1



BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	24' 5 1/4"	4	7' 10"
B	34' 10 1/4"	5	8' 5 3/4"
C	3' 1"	2	1' 10"
D	4' 1 1/2"	2	2' 10 1/2"
E	29' 10 1/4"	5	7' 2 3/4"
F	5'	2	4' 1/2"

Materials Cut List: Level 1



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
A	Cladding	1	24' 4"	23, 23	P	Header	1	3' 11 1/4"	0, 0
B	Cladding	1	8'	45, 45	Q	Internal Joist	3	7' 7 1/4"	0, 0
C	Cladding	1	14' 1"	45, 23	R	Internal Joist	1	6' 10"	0, 45
D	Cladding	1	5' 1"	45, 45	S	Internal Joist	2	15' 2 1/2"	0, 45
E	Cladding	2	4'	23, 23	T	Internal Joist	1	8' 2"	0, 45
F	Header	1	13' 7 1/4"	0, 0	U	Internal Joist	19	9' 2 1/2"	0, 0
G	Rim Joist	1	6' 6 3/4"	0, 0	V	Internal Joist	5	15' 2 3/4"	0, 0
H	Rim Joist	1	13' 4"	0, 0	W	Internal Joist	14	13' 2 3/4"	0, 0
I	Header	1	24' 3 1/4"	0, 0	X	Internal Joist	1	7' 11"	0, 45
J	Rim Joist	1	7' 10 1/4"	0, 0	Y	Internal Joist	1	13' 2 1/2"	0, 45
K	Rim Joist	1	15' 4 1/4"	0, 0	Z	Internal Joist	1	6' 7"	0, 0
L	Header	1	5'	0, 0	a	Internal Joist	1	13' 2 1/2"	0, 0

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

LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
M	Rim Joist	1	2'	0, 0	b	Riser	12	5'	0, 0
N	Header	1	21'	0, 0	c	Stringer	5	12' 6"	0, 0
O	Header	1	3' 11 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	9	2X8X16 Treated	TREATED
Internal Joist	9	2X8X8 Treated	TREATED
Internal Joist	21	2X8X10 Treated	TREATED
Internal Joist	22	2X8X14 Treated	TREATED
Beam	3	2X10X10 Treated	TREATED
Beam	6	2X10X18 Treated	TREATED
Beam	5	2X10X16 Treated	TREATED
Railing Post	1	4X4X8 Treated	TREATED
Railing Post	3	4X4X18 Treated	TREATED
Railing Section	8	TimberTech 8' RadianceRail Express Rail Pack - Black - 8'	TIMBERTECH
Railing Section	12	TimberTech 29.75" Square Baluster - Black - 29.75"	TIMBERTECH
Cladding	6	TimberTech Earthwood Evolutions® Legacy Fascia Board - Tigerwood - 12'	TIMBERTECH
Decking	24	TimberTech Earthwood Evolutions® Legacy Deck Plank, Square Shouldered - Tigerwood - 16'	TIMBERTECH
Decking	67	TimberTech Earthwood Evolutions® Legacy Deck Plank, Square Shouldered - Tigerwood - 20'	TIMBERTECH
Header	4	2X8X18 Treated	TREATED
Post	19	4X4X8 Treated	TREATED
Riser	6	TimberTech Earthwood Evolutions® Legacy Riser Board - Tigerwood - 12'	TIMBERTECH
Stair Railing Section	4	TimberTech 8' RadianceRail Express Stair Rail Pack - Black - 8'	TIMBERTECH

To find a 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
1	5 LB. 10D Hot-Dip Galvanized Nail
1	1 LB. 10D Hot-Dip Galvanized Nail
48	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
1	1LB. 16D Galvanized Common Nail
2	2x6-8" Triple Zinc Right Skewed Joist Hanger SKH26R-TZ
2	2x6-8" Triple Zinc Left Skewed Joist Hanger SKH26L-TZ
4	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
4	1LB. 8D Galvanized Common Nail
1	5 LB. 1-1/2" Joist Hanger Nail
79	Triple Zinc Rafter Tie RT7-TZ
20	Anchor Bolt AB128
20	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
32	80 L.B. Basic Concrete Mix
3	10 LB. Basic Concrete Mix
15	8" X 48" Concrete Form Tube
320	1/2 Galvanized Flat Washer
7	1/2 Galvanized Hex Nut
160	1/2 X 8" Galvanized Carriage Bolt
5	7" Triple Zinc Angle Clip AC7-TZ
32	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
16	TimberTech 4" Post Skirt - Black
64	3/8 Galvanized Hex Nut
128	3/8 Galvanized Flat Washer
64	3/8 X 8" Galvanized Carriage Bolt
16	TT/AZEK 4" x 4" Post Sleeve - Black - 39"
16	TimberTech 4" Post Cap - Black
24	2 Pieces of Joist Material Nailed to Each Joist Splice
1	TimberTech TOPLoc 500 Sq. Ft. Pack Teak - Teak
1	TimberTech TOPLoc Fascia Bit
1	TimberTech TOPLoc Fascia Pack Teak - Teak
114	1/2 X 6" Galvanized Lag Screw

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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