



Deck Designer Specification Kit For
TimberTech

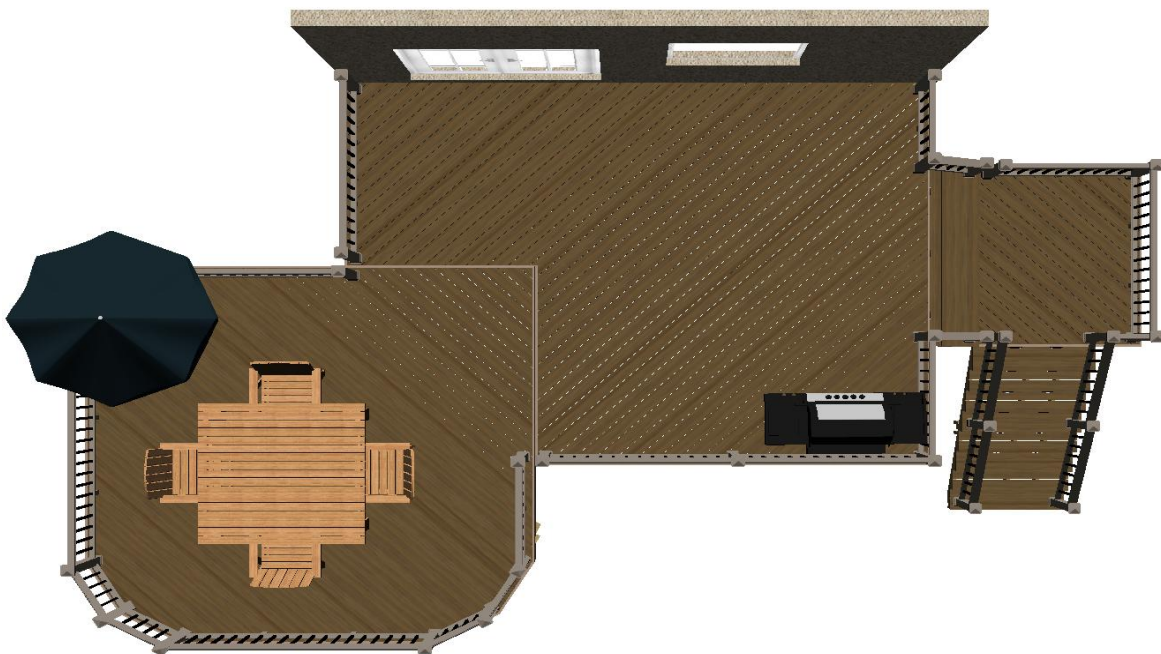
Deck layout diagram



Top view without planks

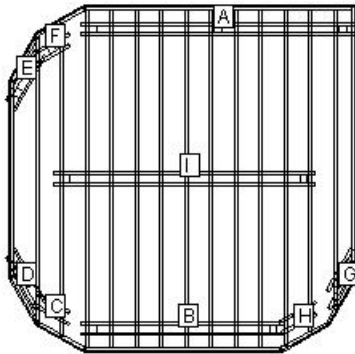


Bottom view with planks



Top view with planks

Permit Page: Level 1



LOAD AND SUPPORT:

Your deck will support a 43 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.

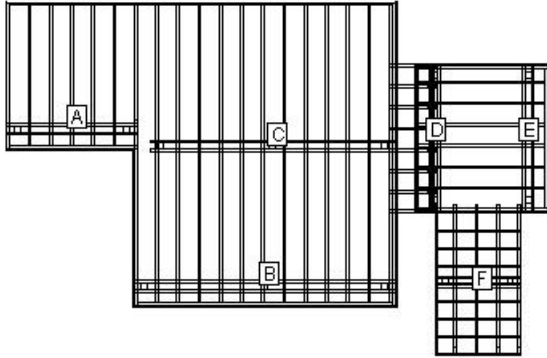
Joists:

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

Stress Analysis: Level 1

Joist Deflection	140
Joist Bending	56
Joist Shear	114
Joist Compression	114
Beam Deflection	133
Beam Bending	53
Beam Shear	55
Post Stability	204

Permit Page: Level 2



LOAD AND SUPPORT:

Your deck will support a 98 PSF live load.
Posts have 36" below ground support.

DECK AND POST HEIGHT:

You selected a height of 89" from the top of the decking to the ground level. The top of the deck support posts will therefore be 80" above ground level.

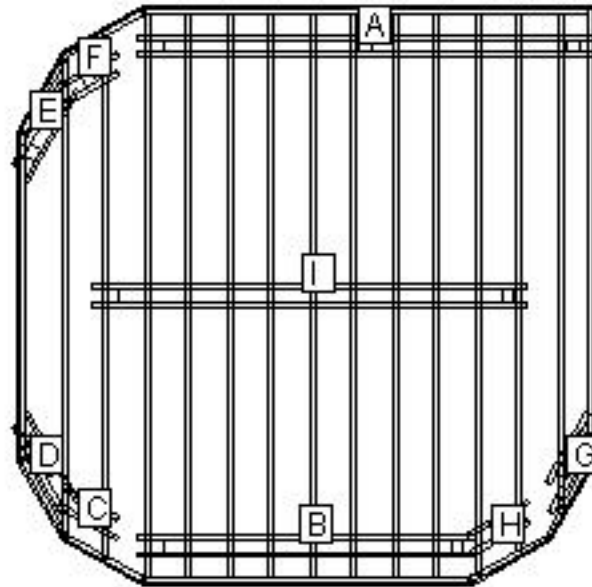
Joists:

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

Stress Analysis: Level 2

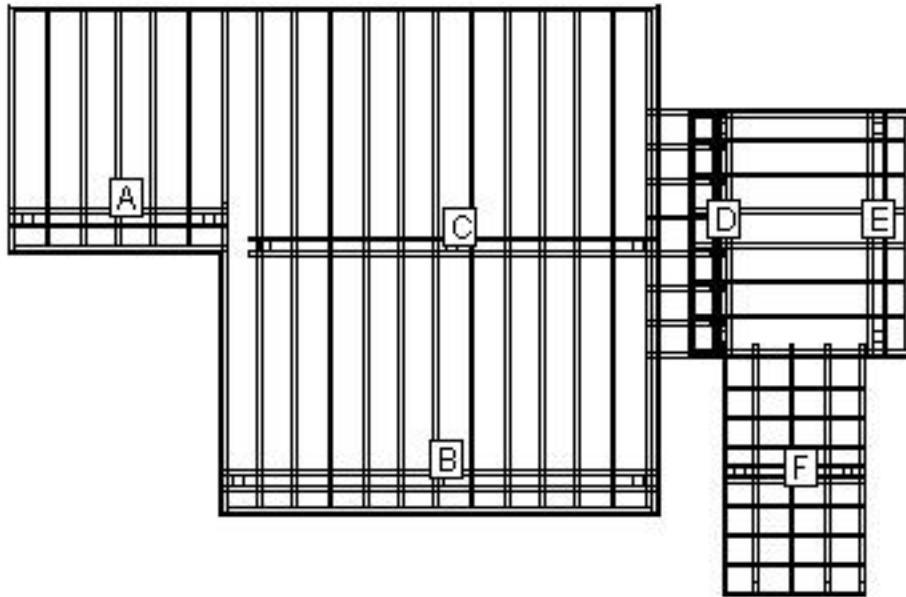
Joist Deflection	4327
Joist Bending	455
Joist Shear	332
Joist Compression	332
Beam Deflection	1298
Beam Bending	162
Beam Shear	108
Post Stability	185

Beam Layout Level 1



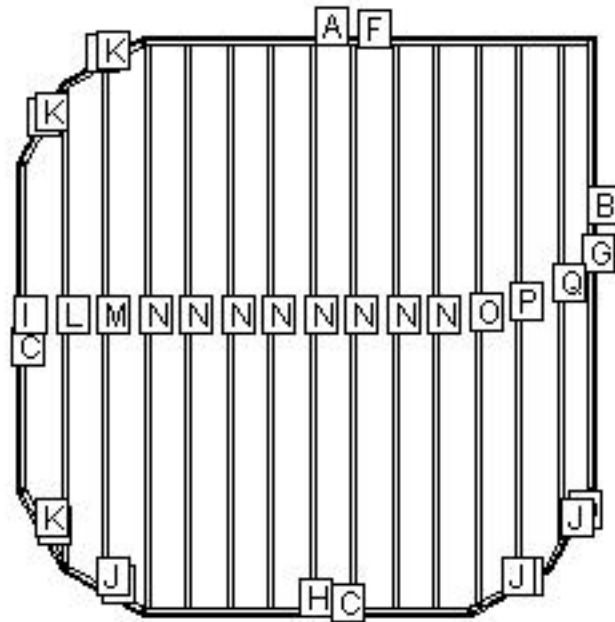
BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	11' 1/2"	3	5' 1/2"
B	8' 2 1/2"	2	7' 3"
C	1' 8"	1	0
D	2' 4 1/4"	2	10 1/2"
E	2' 4 1/4"	2	10 1/2"
F	1' 8"	1	0
G	2' 4 1/4"	2	10 1/2"
H	1' 7"	1	0
I	10' 6"	2	9' 6 1/2"

Beam Layout Level 2



BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	6' 1 1/2"	2	5' 2"
B	12' 3 1/4"	3	5' 8"
C	11' 6 1/4"	3	5' 3 1/4"
D	6' 10 1/4"	2	5' 10 3/4"
E	6' 10 1/4"	2	5' 10 3/4"
F	4' 1/4"	2	3' 3/4"

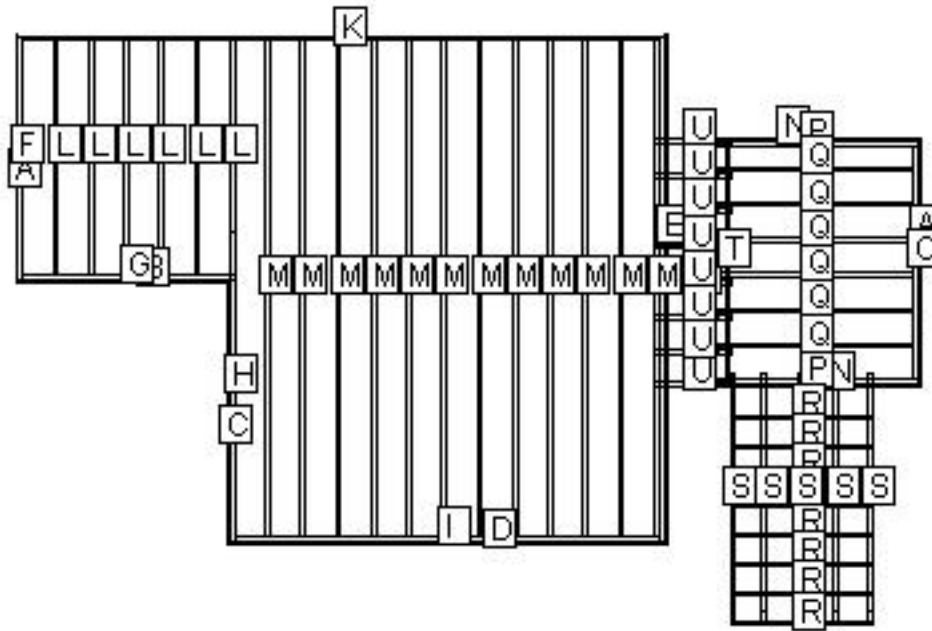
Materials Cut List: Level 1



LABEL	NAME	QTY	LENGTH	BEVELS	LABEL	NAME	QTY	LENGTH	BEVELS
A	Cladding	1	11'	45, 15	J	Header	3	2' 2"	0, 0
B	Cladding	1	11'	15, 45	K	Header	3	2' 2"	0, 0
C	Cladding	2	8'	15, 15	L	Internal Joist	1	11' 5 1/4"	61, 61
D	Cladding	3	2' 2 1/2"	16, 15	M	Internal Joist	1	12' 7 3/4"	29, 29
E	Cladding	3	2' 2 1/2"	15, 16	N	Internal Joist	8	13' 7 1/4"	0, 0
F	Header	1	10' 9 1/2"	0, 0	O	Internal Joist	1	13' 6 1/2"	0, 29
G	Rim Joist	1	10' 11"	0, 0	P	Internal Joist	1	12' 11 1/2"	0, 29
H	Header	1	7' 11 1/2"	0, 0	Q	Internal Joist	1	12' 1/2"	0, 61
I	Rim Joist	1	7' 11 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	3	7'	45, 45	L	Internal Joist	6	6' 7 1/4"	0, 0
B	Cladding	1	6' 1"	45, 45	M	Internal Joist	12	14' 1/4"	0, 0
C	Cladding	1	7' 6"	45, 45	N	Cladding	2	6' 4 1/4"	45, 45
D	Cladding	1	12' 5"	45, 45	O	Header	2	6' 7 1/4"	0, 0
E	Cladding	1	14' 5"	45, 45	P	Rim Joist	2	6' 2 1/2"	0, 0
F	Rim Joist	1	6' 10 1/4"	0, 0	Q	Internal Joist	6	5' 11 1/2"	0, 0
G	Header	1	6'	0, 0	R	Riser	8	4' 1/4"	0, 0
H	Rim Joist	1	8' 8 3/4"	0, 0	S	Stringer	5	8' 4 3/4"	0, 0
I	Header	1	12' 1/4"	0, 0	T	Riser	2	7'	0, 0
J	Rim Joist	1	14' 3 1/4"	0, 0	U	Stringer	8	2' 3 1/2"	0, 0
K	Header	1	18' 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
Internal Joist	3	2X8X12 Treated	TREATED
Internal Joist	17	2X8X14 Treated	TREATED
Beam	6	2X10X12 Treated	TREATED
Beam	3	2X10X10 Treated	TREATED
Railing Post	1	4X4X8 Treated	TREATED
Railing Post	5	4X4X18 Treated	TREATED
Railing Section	8	TimberTech 6' RadianceRail Custom Rail Pack - Slate Gray - 6'	TIMBERTECH
Railing Section	7	TimberTech 8' RadianceRail Custom Rail Pack - Slate Gray - 8'	TIMBERTECH
Railing Section	11	TT/AZEK 31" Round Aluminum Baluster - Black - 31"	TIMBERTECH
Cladding	14	TimberTechEarthwood Evolutions® Terrain Collection Fascia Board, 12" wide - Sandy Birch - 12'	TIMBERTECH
Decking	57	TimberTech Earthwood Evolutions® Legacy Deck Plank, Grooved - Pecan - 16'	TIMBERTECH
Decking	11	TimberTech Earthwood Evolutions® Legacy Deck Plank, Grooved - Pecan - 20'	TIMBERTECH
Header	4	2X8X8 Treated	TREATED
Header	7	2X8X18 Treated	TREATED
Post	28	4X4X8 Treated	TREATED
Beam	7	2X10X8 Treated	TREATED
Beam	1	2X10X18 Treated	TREATED
Internal Joist	14	2X8X16 Treated	TREATED
Beam	2	2X10X14 Treated	TREATED
Railing Post	1	4X4X14 Treated	TREATED
Decking	3	TimberTech Earthwood Evolutions® Legacy Deck Plank, Grooved - Pecan - 12'	TIMBERTECH
Riser	5	TimberTech Earthwood Evolutions® Terrain Collection Riser Board, 7 1/4" wide - Sandy Birch - 12'	TIMBERTECH
Stringer	1	2X8X10 Treated	TREATED
Railing Section	4	TT/AZEK 31" Round Aluminum Stair Baluster - Black - 31"	TIMBERTECH



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

Other Materials

Qty	Description
12	5" Triple Zinc Angle Clip MP5-TZ
5	1 LB. 10D Hot-Dip Galvanized Nail
4	1 LB. 10D X1 1/2" Nail
68	2x8-10" Triple Zinc Joist Hanger JUS28-TZ
10	7" Triple Zinc Angle Clip AC7-TZ
3	5" Triple Zinc Angle Clip MP5-TZ
5	1LB. 8D Galvanized Common Nail
3	1 LB. 1-1/2" Joist Hanger Nail
91	Triple Zinc Rafter Tie RT7-TZ
30	Anchor Bolt AB128
30	4X4 Triple Zinc Deck Post Anchor PA44E-TZ
47	80 L.B. Basic Concrete Mix
1	60 L.B. Basic Concrete Mix
2	10 LB. Basic Concrete Mix
23	8" X 48" Concrete Form Tube
480	1/2 Galvanized Flat Washer
10	1/2 Galvanized Hex Nut
240	1/2 X 8" Galvanized Carriage Bolt
60	4X4 Triple Zinc Deck Post Tie SDPT7-TZ
1	1 LB. 8X3" Philips Head Stainless Deck Screws
30	TimberTech 5" Post Skirt - Slate Gray
120	3/8 Galvanized Hex Nut
240	3/8 Galvanized Flat Washer
120	3/8 X 8" Galvanized Carriage Bolt
30	TimberTech 5" x 5" Post Sleeve - Slate Gray - 42"
30	TimberTech 5" LED Post Cap Light
30	TimberTech 5" Post Cap - Slate Gray
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	TimberTech TOPLoc Fascia Bit
3	TimberTech TOPLoc Fascia Pack Cedar - Cedar
5	TimberTech CONCEALoc Hidden Fastener - Unit = 8 retail cartons @ 100 sq.ft. coverage each (175 CONCEALoc fasteners, 184 Screws and drive bit) - Brown
38	1/2 X 6" Galvanized Lag Screw
1	5 LB. 10D Hot-Dip Galvanized Nail
2	THR128-HDG Threaded Rod
4	DTB-TZ Deck Tie Bracket

Qty	Description
1	40 LB. Basic Concrete Mix
13	7" Triple Zinc Angle Clip AC7-TZ
25	TT/AZEK LED Riser Light - Architectural Bronze
1	TimberTech TOPLoc 100 Sq. Ft. Pack Teak - Teak

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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