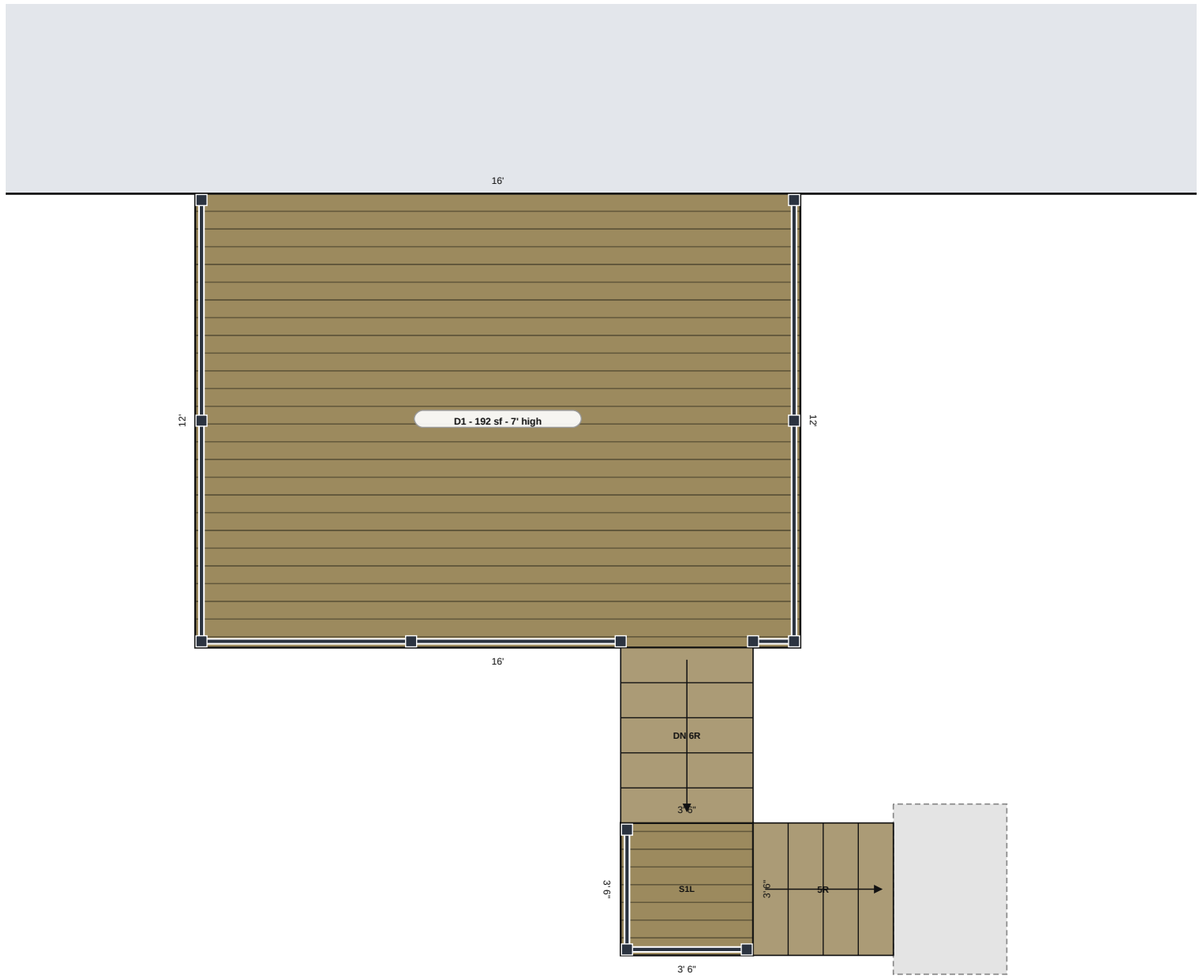


1 **DECKING PLAN**

SCALE: 1/4" = 1'-0"

0 10'

GENERAL NOTES

Design loads: 40 psf live, 10 psf dead, 1500 psf soil; douglas fir-larch, hem-fir, spf framing, No. 2

1. Verify all dimensions, grades, property lines and setbacks in the field. Call 811 for utility locates at least 2 business days before digging.
2. Deck framing per IRC R507: pressure-treated lumber rated for ground contact where within 6" of grade; hot-dip galvanized or stainless connectors and fasteners rated for treated wood.
3. Ledger: remove siding, flash over the top and behind; fasten with 1/2" lags or structural screws per IRC R507.9. Lateral load connectors per R507.9.2 when attached.
4. Footings bear on undisturbed soil below the frost depth set by the building department. Posts 6x6 minimum on standoff post bases.
5. Decking, gaps, overhangs and fastening per the decking manufacturer's installation guide. Every board end lands on framing: doubled joists or blocking as drawn under borders, breakers, inlays and butt joints. Joist tape on joists, rims and beams.
6. Guards 36" high minimum on open sides 30" or more above grade, openings under 4", posts blocked and through-bolted (IRC R312, R301.5). Stairs: risers 7 3/4" max, treads 10" min, handrail with 4 or more risers (IRC R311.7).
7. Fence posts set plumb in concrete over gravel; heights and gates as scheduled. Fences over 7 ft need a permit (IRC R105.2).

DECKING

PT 5/4x6 radius-edge decking (RED), Natural (as treated) (field, stair treads)

PT 5/4x6 radius-edge decking (RED), Natural (as treated) (riser boards)

D1: Straight; gaps 1/8" side, tight ends at 60°F

S1L: Straight; gaps 1/8" side, tight ends at 60°F

PREPARED BY

Sample Contracting Co.
100 Main St, Anytown

PROJECT

Pressure-treated deck
Client: Sample client
123 Example St

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered or stamped design. Sizes are from the IRC deck tables; local amendments, snow loads and soils may need more. The contractor confirms code, permit and decking-maker requirements before building.

REVISIONS

REV	DATE	DESCRIPTION
0	10/18/2026	Issued for review

DATE
10/18/2026

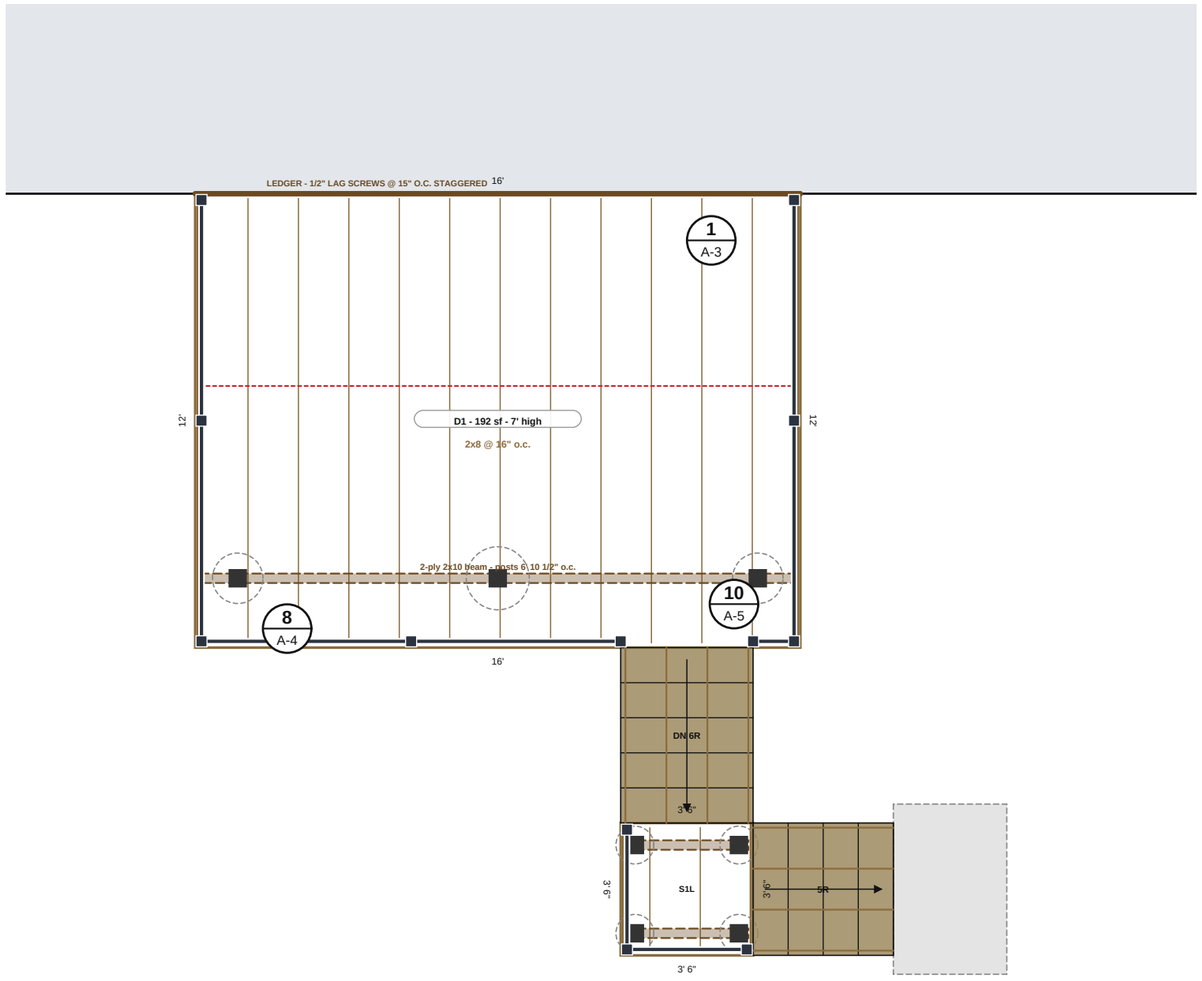
SCALE
1/4" = 1'-0"

DRAWN BY
SC

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
DECKING PLAN & NOTES

A-1



1 **FRAMING & FOOTING PLAN**

SCALE: 1/4" = 1'-0"

0 10'

FRAMING SCHEDULE

D1 BACK DECK

Joists: 2x8 PT @ 16" o.c., span 10' 2" (11' 1" allowed), cantilever 1' 10"
Beam: 2-ply 2x10, 15' 9", 3 posts at 6' 10 1/2" (7' 8 1/4" allowed)
Posts & footings: 3 x 6x6 PT, 5' 6 1/2"; piers 2 x 16", 1 x 20", 4' deep, 20.7 cu ft of concrete
Ledger: 16', 14 1/2" lag screws at 15" o.c., staggered in 2 rows (IRC Table R507.9.1.3(1), joist span 10' 2"), 2 lateral connectors, 11 hangers
Pattern framing: 0 LF doubled joist, 0 LF blocking
Mid-span blocking: 1 row per bay, 15.8 LF
Blocking, all: 15.8 LF (pattern lines, mid-span rows)

S1L DECK STAIRS LANDING

Joists: 2x8 PT @ 16" o.c., span 2' 4" (11' 1" allowed), cantilever 7"
Beam: 2-ply 2x8, 3' 3", 2 posts at 2' 9" (8' 2" allowed)
Beam: 2-ply 2x8, 3' 3", 2 posts at 2' 9" (8' 2" allowed)
Posts & footings: 4 x 6x6 PT, 1' 10 3/4"; piers 4 x 12", 4' deep, 13.1 cu ft of concrete
Pattern framing: 0 LF doubled joist, 0 LF blocking
Mid-span blocking: None needed
Blocking, all: 0 LF (pattern lines, mid-span rows)

LEGEND

- Joists and rim
- Beam (dashed, below the joists) / ledger
- Doubled joist under a border, breaker or inlay
- Blocking under board ends
- 6x6 post; dashed circle = pier

PREPARED BY

Sample Contracting Co.
100 Main St, Anytown

PROJECT

Pressure-treated deck
Client: Sample client
123 Example St

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SCALE
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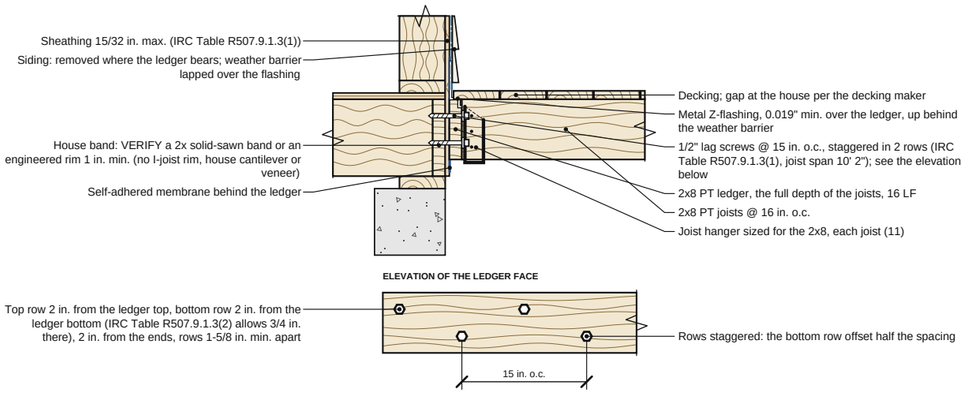
DRAWN BY
SC

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
FRAMING & FOOTING PLAN

A-2

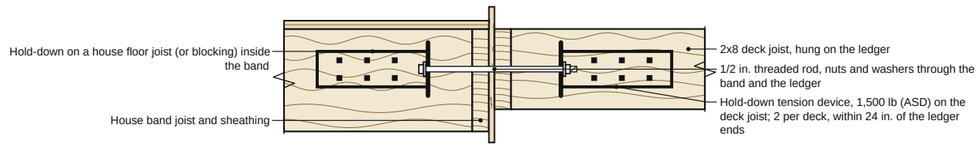
SHEET 2 OF 8



1 LEDGER AT THE HOUSE

NTS

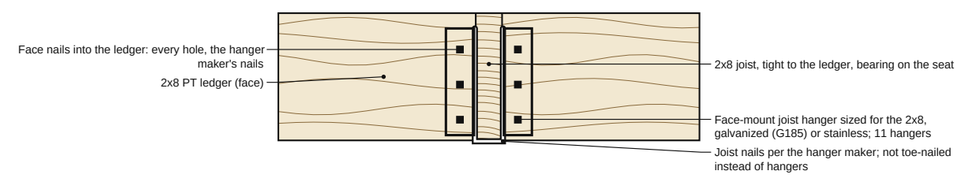
REF: IRC Table R507.9.1.3(1); R507.9.1.3(2); R507.2.4



2 LATERAL LOAD CONNECTOR

NTS

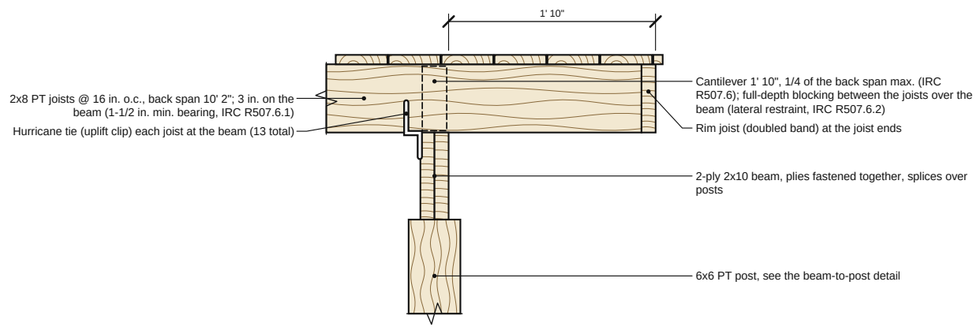
REF: IRC R507.9.2



3 JOIST HANGER AT THE LEDGER

NTS

REF: IRC R507.6; the hanger maker



4 JOISTS AT THE BEAM

NTS

REF: IRC R507.6; R507.6.1; R507.6.2

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

Sample Contracting Co.

100 Main St, Anytown

PROJECT

Pressure-treated deck

Client: Sample client

123 Example St

NOTICE

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NTS

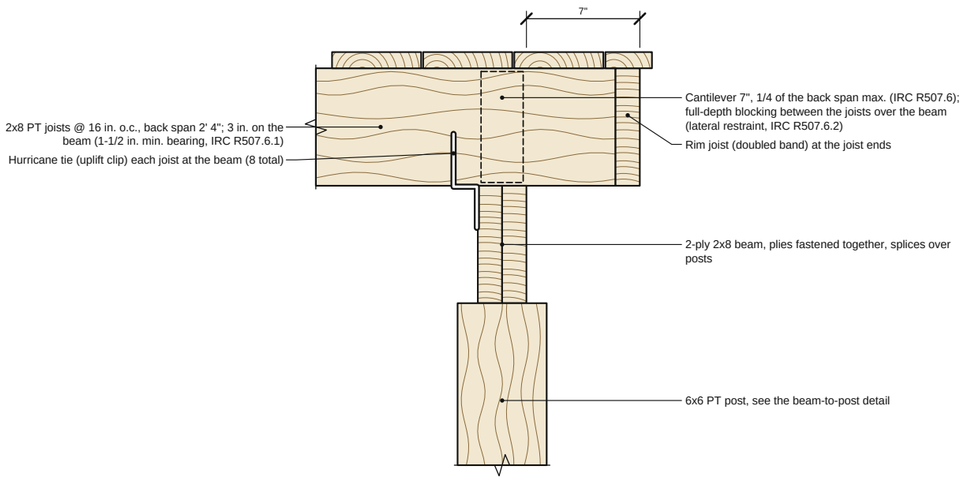
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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE

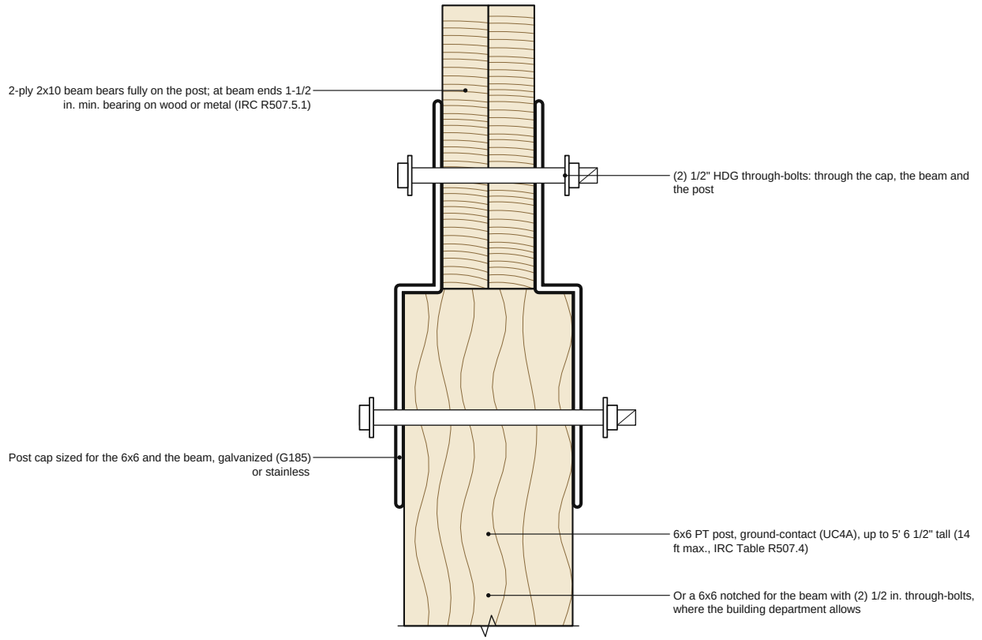
FASTENING & ANCHORING DETAILS

A-3



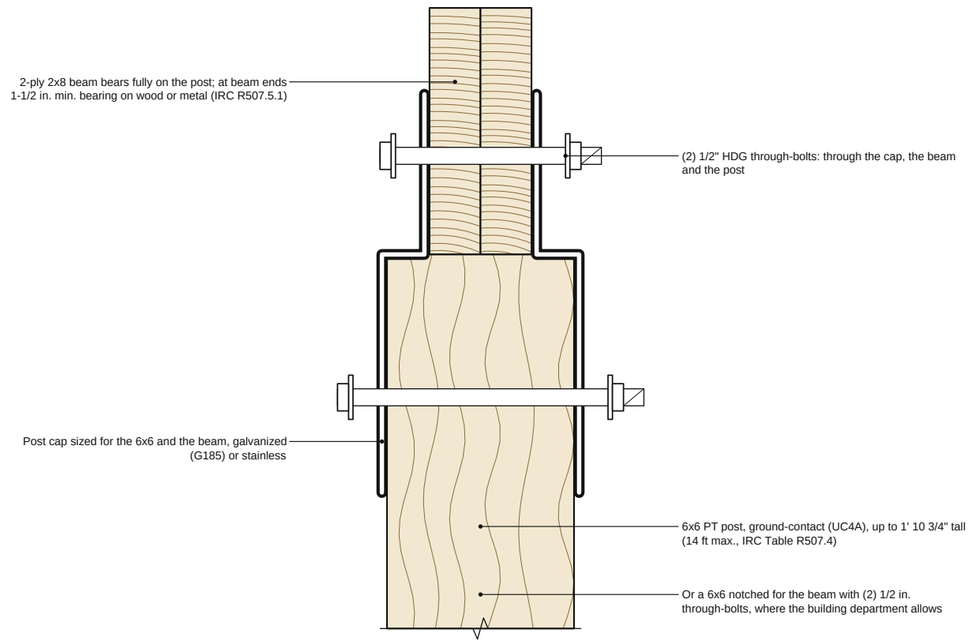
5 **JOISTS AT THE BEAM** NTS

REF: IRC R507.6; R507.6.1; R507.6.2



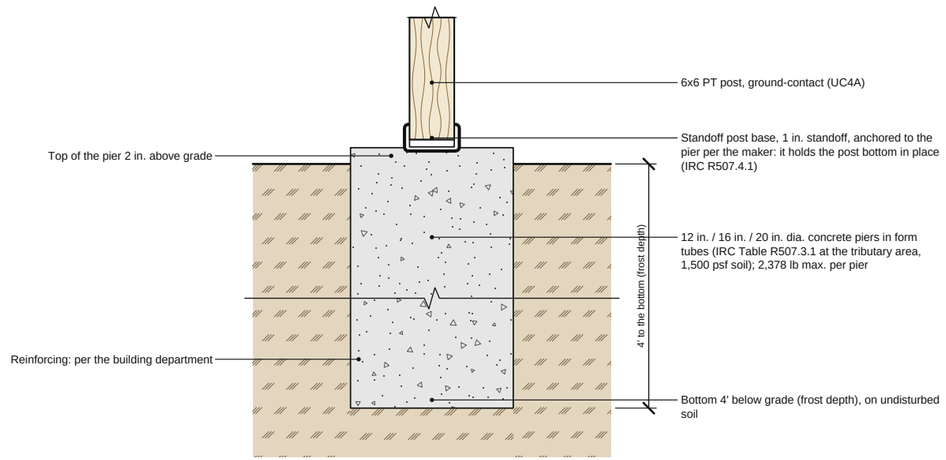
6 **BEAM TO POST** NTS

REF: IRC R507.5.1; R507.5.2; R507.4



7 **BEAM TO POST** NTS

REF: IRC R507.5.1; R507.5.2; R507.4



8 **POST BASE ON THE PIER** NTS

REF: IRC Table R507.3.1; R507.3.2; R507.4.1

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY
Sample Contracting Co.
100 Main St, Anytown

PROJECT
Pressure-treated deck
Client: Sample client
123 Example St

NOTICE

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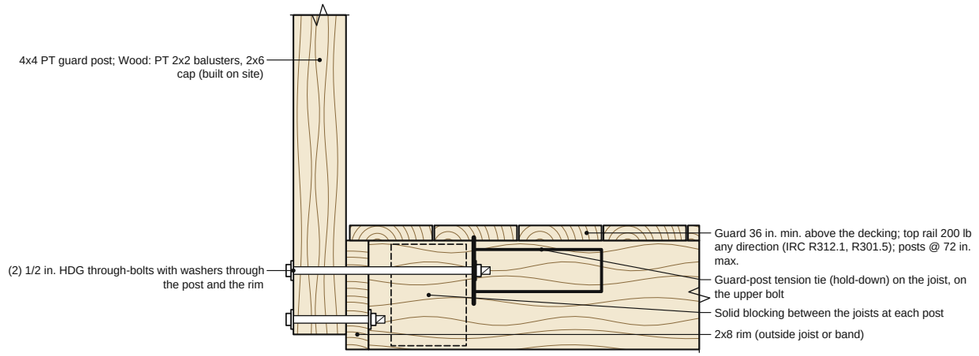
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SHEET SIZE
ANSI B (11" x 17")

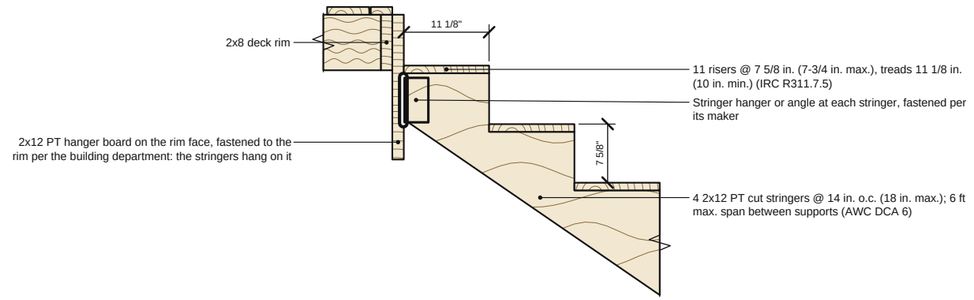
SHEET TITLE
FASTENING & ANCHORING DETAILS

A-4



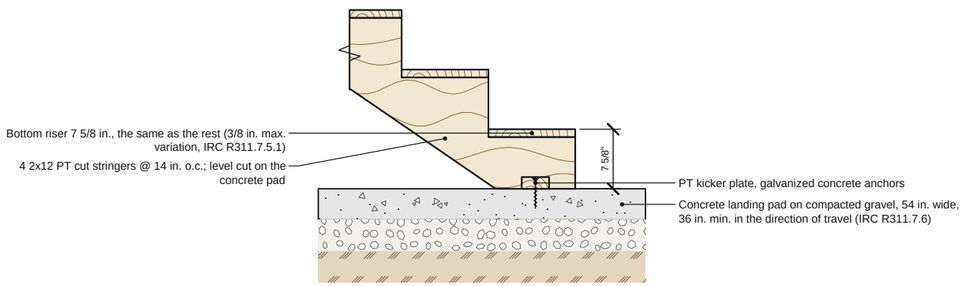
9 **GUARD POST ATTACHMENT** NTS

REF: IRC R312.1; R301.5; R507.10 (2021)



10 **STAIR STRINGER AT THE TOP** NTS

REF: IRC R311.7; R507.4; AWC DCA 6



11 **STAIR STRINGER AT THE BOTTOM** NTS

REF: IRC R311.7.5.1; R311.7.6

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

Sample Contracting Co.

100 Main St, Anytown

PROJECT

Pressure-treated deck

Client: Sample client

123 Example St

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SCALE **NTS**

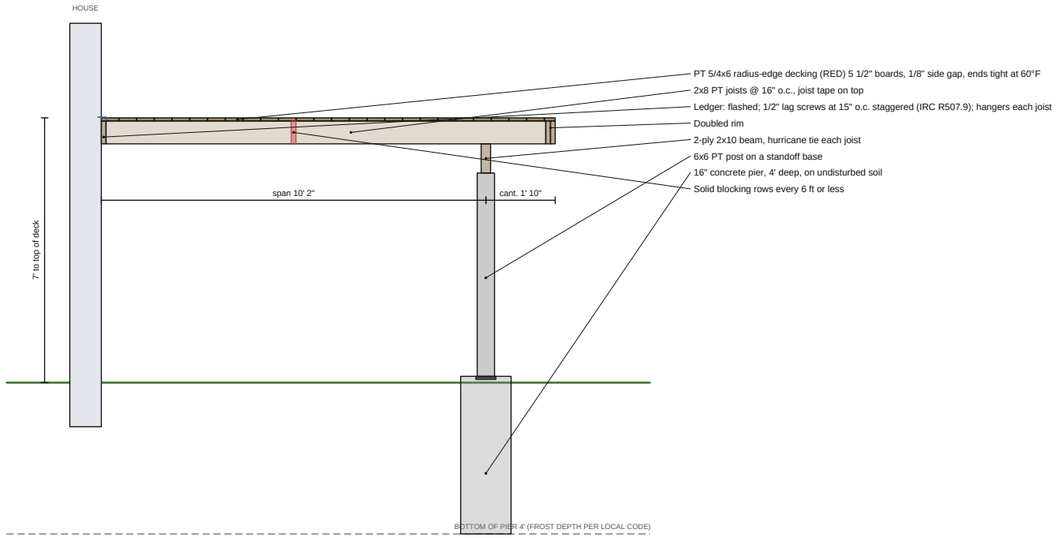
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SHEET SIZE **ANSI B (11" x 17")**

SHEET TITLE

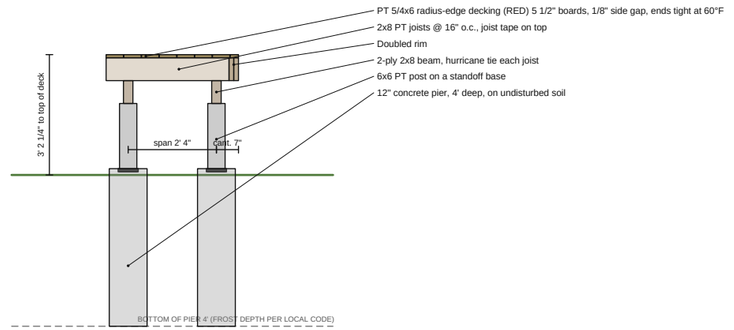
FASTENING & ANCHORING DETAILS

A-5



1 D1 TYPICAL SECTION

SCALE: 1/4" = 1'-0"



2 S1L TYPICAL SECTION

SCALE: 1/4" = 1'-0"

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PREPARED BY

Sample Contracting Co.
100 Main St, Anytown

PROJECT

Pressure-treated deck
Client: Sample client
123 Example St

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SCALE
As noted

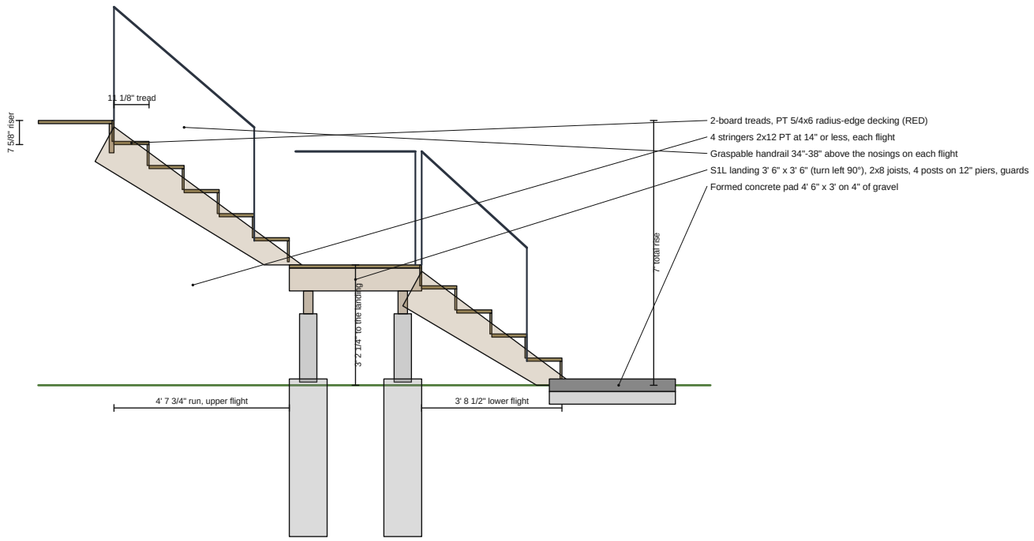
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SC

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SECTIONS & DETAILS

A-6

SHEET 6 OF 8



1 S1 STAIR SECTION

SCALE: 1/4" = 1'-0"

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PREPARED BY

Sample Contracting Co.
100 Main St, Anytown

PROJECT

Pressure-treated deck
Client: Sample client
123 Example St

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10/18/2026

SCALE
As noted

DRAWN BY
SC

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SECTIONS & DETAILS

A-7

SCHEDULES, CUT LIST & BUY LIST

TAG / QTY	NAME	BUILD	SIZE	FRAMING / PARTS	NOTES
DECKS, STAIRS, RAILING AND FENCES					
D1	Back deck	PT 5/4x6 radius-edge decking (RED), straight	192 sf, 7' high	2x8 @ 16", 1 beam (2-ply 2x10), 3 posts	Ledger 16 LF; 0 LF doubled joist, 16 LF blocking
S1	Deck stairs	PT 5/4x6 radius-edge decking (RED) treads, 2 boards each	3' 6" wide	11 risers at 7 5/8", 9 treads at 11 1/8", 2 flights (6R + 5~	4 stringers per flight, 2 handrails on 7 posts + 3 shared; ~
S1L	Deck stairs landing	PT 5/4x6 radius-edge decking (RED), straight	12 sf, 3' 2 1/4" high	2x8 @ 16", 2 beams (2-ply 2x8), 4 posts	Freestanding; 0 LF doubled joist, 0 LF blocking
RL1	Railing	Wood: PT 2x2 balusters, 2x6 cap (built on site), 36"	22' 9"	5 posts	4 x custom
RL2	Railing	Wood: PT 2x2 balusters, 2x6 cap (built on site), 36"	12' 9"	4 posts	3 x custom
RL3	Deck stairs landing guard	Wood: PT 2x2 balusters, 2x6 cap (built on site), 36"	6' 4"	3 posts	2 x custom
FRAMING					
D1 Back deck					
	Joists	2x8 PT @ 16" o.c., span 10' 2" (11' 1" allowed), cantilever 1' 10"			
	Beam	2-ply 2x10, 15' 9", 3 posts at 6' 10 1/2" (7' 8 1/4" allowed)			
	Posts & footings	3 x 6x6 PT, 5' 6 1/2"; piers 2 x 16", 1 x 20", 4' deep, 20.7 cu ft of concrete			
	Ledger	16', 14 1/2" lag screws at 15" o.c., staggered in 2 rows (IRC Table R507.9.1.3(1), joist span 10' ~			
	Pattern framing	0 LF doubled joist, 0 LF blocking			
	Mid-span blocking	1 row per bay, 15.8 LF			
	Blocking, all	15.8 LF (pattern lines, mid-span rows)			
S1L Deck stairs landing					
	Joists	2x8 PT @ 16" o.c., span 2' 4" (11' 1" allowed), cantilever 7"			
	Beam	2-ply 2x8, 3' 3", 2 posts at 2' 9" (8' 2" allowed)			
	Beam	2-ply 2x8, 3' 3", 2 posts at 2' 9" (8' 2" allowed)			
	Posts & footings	4 x 6x6 PT, 1' 10 3/4"; piers 4 x 12", 4' deep, 13.1 cu ft of concrete			
	Pattern framing	0 LF doubled joist, 0 LF blocking			
	Mid-span blocking	None needed			
	Blocking, all	0 LF (pattern lines, mid-span rows)			
BOARDS (CUT LIST BY COLOR, PACKED INTO STOCK LENGTHS)					
52	PT 5/4x6 radius-edge decking (RED)	Natural (as treated), square-edge (field, stair treads)	26 x 20'		2% waste
11	PT 5/4x6 radius-edge decking (RED)	Natural (as treated), fascia / riser (riser boards)	2 x 16', 1 x 12'		10% waste
	Cuts	0 miters, 0 angled ends, 0 curved cuts (0 LF)	0 butt joints		2 ripped rows
BUY LIST					
	PT 5/4x6 radius-edge decking (RED): square-edge boards, Natural~	Decking	26 ea	Field, Stair treads	$962
	PT 5/4x6 radius-edge decking (RED): riser / fascia boards, Natu~	Decking	2 ea	Riser boards	$96
	PT 5/4x6 radius-edge decking (RED): riser / fascia boards, Natu~	Decking	1 ea	Riser boards	$36
	Deck screws for treated wood, hot-dip galvanized or stainless, ~	Fasteners	929 ea	2 per joist, pressure-treated boards and treads; 5% extra	$111
	Fascia / riser screws	Fasteners	93 ea	Spacing per the maker	$20
	2x8 PT joists, 12 ft	Framing	11 ea	Joists between the rims	$211
	2x8 PT joists, 8 ft	Framing	2 ea	Joists between the rims	$26
	2x8 PT rim & band joists (band doubled), 16 ft	Framing	6 ea	77 LF	$154
	2x8 PT blocking (pattern, mid-span & butt-joint blocks), 12 ft	Framing	2 ea	16 LF, cut between joists	$38
	2-ply 2x8 beam: 2x8 PT plies, 16 ft (splice over posts)	Framing	1 ea	13 LF of ply, 6.5 LF of beam	$26
	2-ply 2x10 beam: 2x10 PT plies, 16 ft (splice over posts)	Framing	3 ea	32 LF of ply, 15.8 LF of beam	$106
	6x6 PT post	Framing	27.7 LF	7 posts	$208
	2x12 PT stringer stock	Framing	58 LF		$186
	Ledger flashing (Z-flash + membrane)	Framing	16 LF		$51
	Butyl joist tape (2" / 4", 50 ft rolls)	Framing	251 LF	6 rolls of 50 ft	$80
	Joist hanger (galvanized, with nails)	Connectors	11 ea		$39
	Hurricane tie, joist to beam	Connectors	21 ea		$29
	Post base (standoff)	Connectors	7 ea		$224
	Post-to-beam connector	Connectors	7 ea		$112
	1/2" through-bolts, post to beam	Connectors	14 ea		$56
	1/2" hot-dip galvanized lag screws with washers (ledger)	Connectors	14 ea	Staggered, D1 15" o.c. (IRC Table R507.9.1.3(1))	$29
	Lateral load connector (IRC R507.9.2)	Connectors	2 ea		$110
	Structural screws (rim, blocking, sisters)	Connectors	2 box		$90
	Pier form tube, 12" (per foot of depth)	Footings	18 ft	4 piers x 4' 6" (4' deep + 6" above grade)	$81
	Pier form tube, 16" (per foot of depth)	Footings	9 ft	2 piers x 4' 6" (4' deep + 6" above grade)	$41
	Pier form tube, 20" (per foot of depth)	Footings	5 ft	1 pier x 4' 6" (4' deep + 6" above grade)	$23
	Concrete, 80 lb bags (0.6 cu ft each)	Footings	57 bag	33.8 cu ft for 7 piers	$428
	Concrete for stair pads, 80 lb bags (0.6 cu ft each)	Stair pads	8 bag	4.5 cu ft, 4" slab	$60
	2x4 forms and stakes (concrete stair pads)	Stair pads	15 LF		$17
	Gravel base under stair pads, 0.5 cu ft bags	Stair pads	9 bag	4" compacted under each pad	$54
	Wood: PT 2x2 balusters, 2x6 cap (built on site) (level runs)	Railing	42 LF		$756
	Stair rail sections (angled)	Railing	22 LF		$528
	Rail posts	Railing	19 ea	12 on level runs, 7 on stair rails	$304
	Rail post blocking kit / through-bolts	Railing	12 ea	Guard posts resist 200 lb at the top (IRC R301.5)	$264
	MATERIAL TOTAL				$5,554

PREPARED BY

Sample Contracting Co.

100 Main St, Anytown

PROJECT

Pressure-treated deck

Client: Sample client

123 Example St

NOTICE

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DATE
10/18/2026

SCALE
NTS

DRAWN BY
SC

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SCHEDULES & CUT LIST

A-8