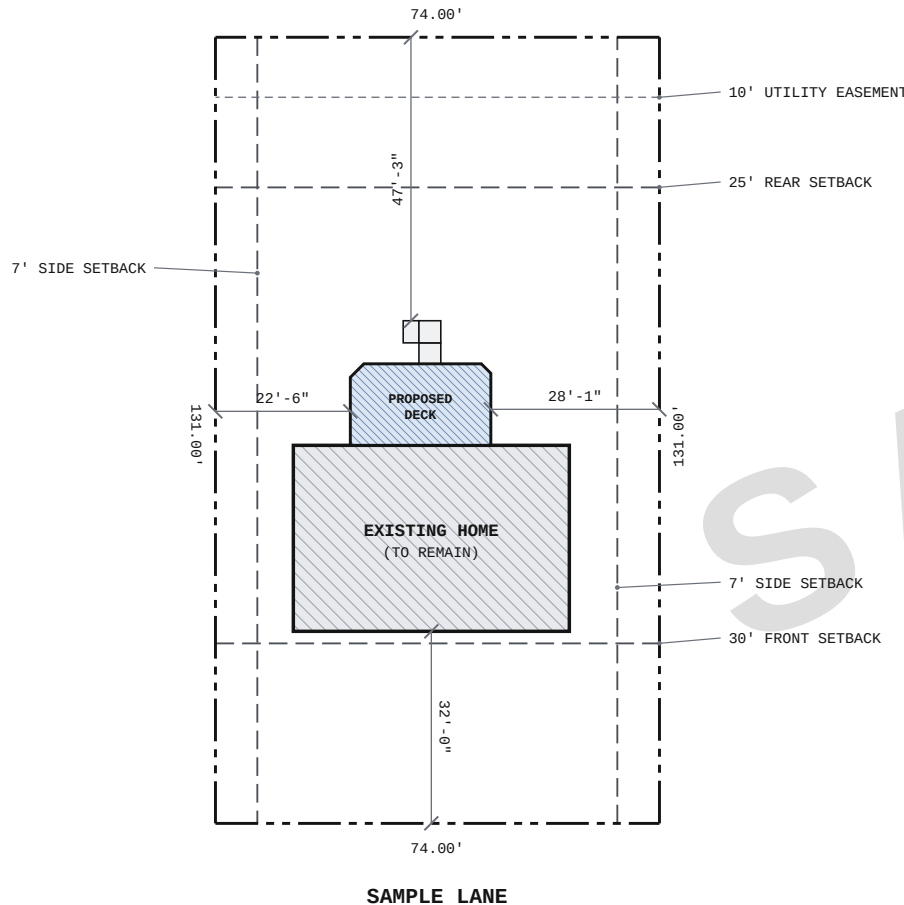


PAT HOMEOWNER DECK BUILD

100 SAMPLE LANE
ANYTOWN, ST

TRUE NORTH



SAMPLE LANE

SCALE 1/32" = 1'-0"
0 20 40 FT

PLOT PLAN VIEW

1/32 IN = 1 FT

LOT LINES AND DISTANCES

LOT LINES FROM THE RECORDED PLAT, AS ENTERED — VERIFY AGAINST THE RECORDED PLAT OR A SURVEY. SETBACKS AND EASEMENTS AS ENTERED: CONFIRM WITH THE CITY.

Distances are from the deck (and the house, to the front lot line) to the nearest point of each lot line, rounded down to the inch.

PROJECT DATA

DECK SIZE 23'-5" × 13'-7"

DECK AREA 314 SQ FT

HEIGHT ABOVE GRADE 5'-1"

ATTACHMENT LEDGER TO EXISTING HOUSE

DECKING COMPOSITE

GUARDS 36" ALUMINUM

LOT AREA 9,694 SQ FT

HOUSE FOOTPRINT 1,426 SQ FT

LOT COVERAGE 18.0% (HOUSE + DECK)

SAMPLE DECK CO.

PLOT PLAN

PAT HOMEOWNER
100 SAMPLE LANE, ANYTOWN, STDRAWINGS PROVIDED BY:
SAMPLE DECK CO.
1 EXAMPLE WAY, ANYTOWN
(555) 555-0148

DATE:

10/22/2026

REV:

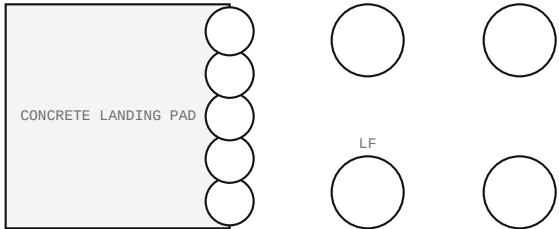
1

SHEET:

1

PROJ DP-SAMPLE

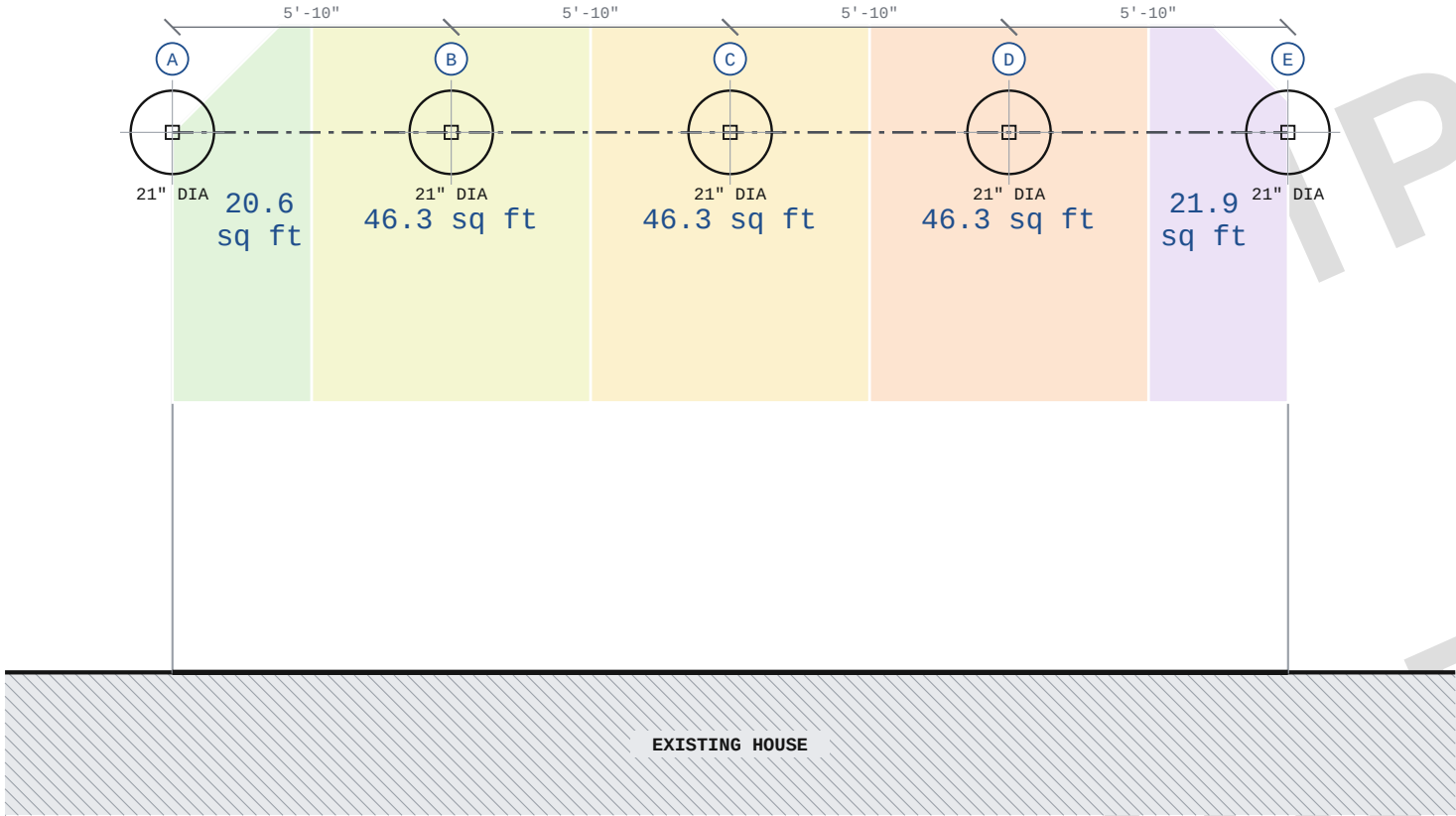
ROUND CONCRETE PIERS ON SPREAD PADS, BOTTOM 3'-0" BELOW GRADE



LAYOUT PAGE TABLE	
SHEET	TITLE
1	PLOT PLAN
2	FOOTING LAYOUT
3	FRAMING LAYOUT
4	DETAIL VIEWS
5	GENERAL NOTES

BEARING CHECK — 50 PSF DECK LOAD, 1,500 PSF SOIL					
POST	AREA (SF)	LOAD (LB)	REQ. (SQ IN)	MIN DIA	PAD DIA
A	20.6	1,032	99	12"	21"
B	46.3	2,317	222	17"	21"
C	46.3	2,317	222	17"	21"
D	46.3	2,317	222	17"	21"
E	21.9	1,096	105	12"	21"

- FOOTING NOTES**
- Each post's area is the deck it carries: halfway to the next post along its beam and halfway to the next support across (the ledger, or the next beam), or to the deck's edge past the outermost beam.
 - Load = area × 50 psf (40 psf live + 10 psf dead, DCA 6-2015). Required bearing = load ÷ 1,500 psf presumptive soil bearing.
 - Pad diameters are the engine's DCA 6-2015 Table 4 sizes, each at or above the bearing it needs.
 - Footing bottoms 3'-0" below grade and below the local frost depth, on undisturbed soil — confirm both with the building department.
 - Stair concrete: SP = stair landing pad; BF = stair base footing (DCA 6-2015 Figure 34); LF = stair landing post footing — sized and counted on the construction set's footing schedule.



SCALE 1/4" = 1'-0"

 **FOOTING VIEW**
1/4" = 1'-0"

REVISION TABLE			
NO.	DATE	BY	DESCRIPTION
1	10/22/2026	Sample Deck Co.	ISSUED FOR PERMIT

SAMPLE DECK CO.

FOOTING LAYOUT

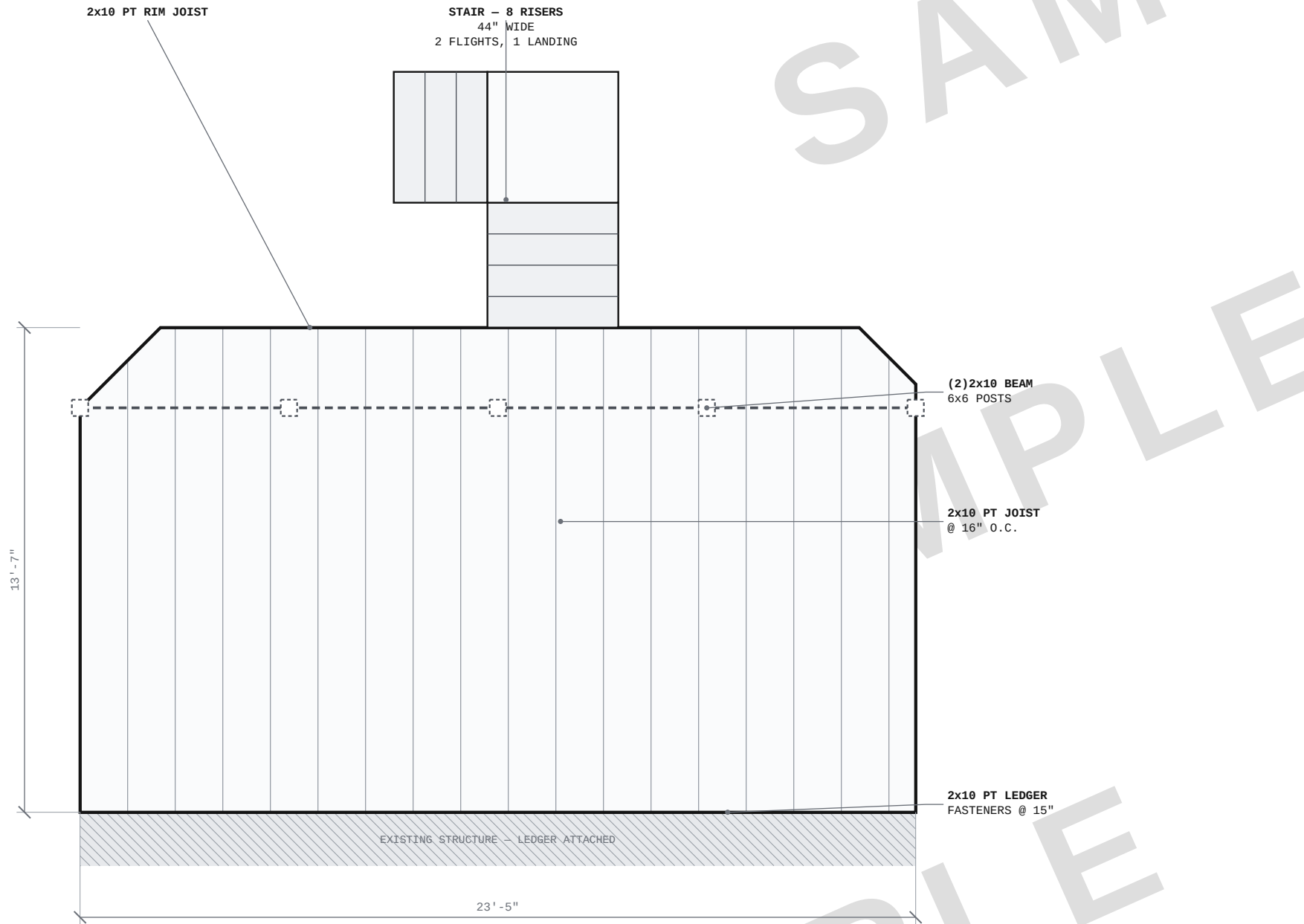
PAT HOMEOWNER
100 SAMPLE LANE, ANYTOWN, ST

DRAWINGS PROVIDED BY:
SAMPLE DECK CO.
1 EXAMPLE WAY, ANYTOWN
(555) 555-0148

DATE:
10/22/2026

REV:
1

SHEET:
2
PROJ DP-SAMPLE



FRAMING NOTES

1. JOISTS 2x10 PT @ 16" O.C., HUNG FROM THE LEDGER ON LUS-SERIES JOIST HANGERS (OR APPROVED EQUAL).
2. BEAM (2)2x10 PT, BUILT UP PER DETAIL, ON 6x6 PT POSTS.
3. POST TO BEAM: POST CAP SIZED TO THE BEAM (DCA 6-2015 FIGURE 8B). POST TO PIER: ABA-SERIES POST BASE (OR APPROVED EQUAL).
4. LEDGER 2x10 PT, 1/2" LAG SCREWS @ 15" O.C. STAGGERED (DCA 6-2015 TABLE 5, FIGURE 19), OVER CONTINUOUS FLASHING.
5. LATERAL LOAD: HOLD-DOWN TENSION DEVICES IN 2 LOCATIONS WITHIN 2 FT OF THE DECK ENDS, 1,500 LB MIN. EACH (DCA 6-2015 P.17).
6. BLOCKING AT BEAMS AND MID-SPAN AS REQUIRED; DOUBLED OUTER JOISTS AND RIM.
7. GUARD 36" HIGH FROM THE DECK SURFACE ON THE OPEN SIDES; RAIL SYSTEM POSTS MOUNTED PER THE MANUFACTURER'S TESTED INSTALLATION (200 LB CONCENTRATED LOAD, IRC TABLE R301.5).
8. STAIRS: 1 STAIRWAY, 8 RISERS @ 7-1/8"; 7 TREADS @ 10-1/2"; (5) 2x12 CUT STRINGERS PER FLIGHT, 12" O.C. MAX (THE TREAD MAKER'S CHART). RISERS 7-3/4" MAX, TREADS 10" MIN (IRC R311.7.5).

SEE SHEET 4 (DETAIL VIEWS) FOR THE LEDGER, POST, FOOTING AND BEAM DETAILS.

SAMPLE DECK CO.

FRAMING LAYOUT

PAT HOMEOWNER
100 SAMPLE LANE, ANYTOWN, ST

DRAWINGS PROVIDED BY:
SAMPLE DECK CO.
1 EXAMPLE WAY, ANYTOWN
(555) 555-0148

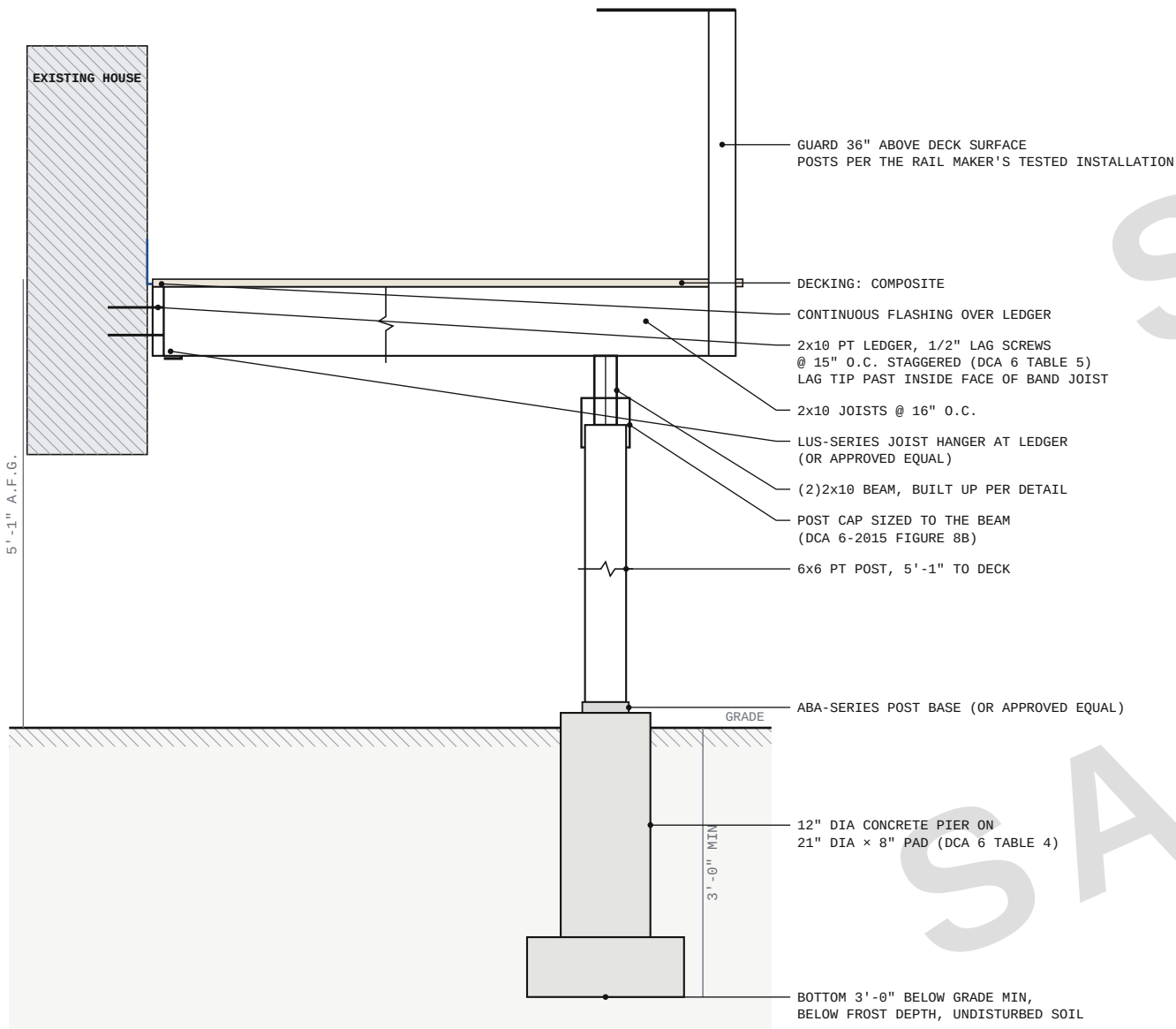
DATE:
10/22/2026

REV:
1

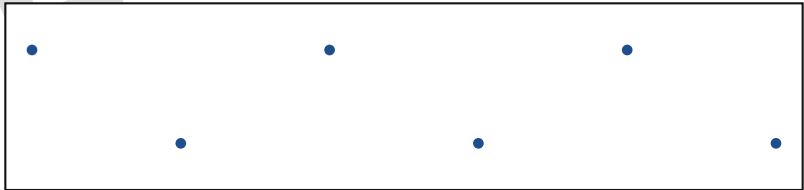
SHEET:
3
PROJ DP-SAMPLE

SCALE 1/4" = 1'-0"
0 2 4 FT

DECK FRAMING VIEW
1/4" = 1'-0"



2-PLY 2x10



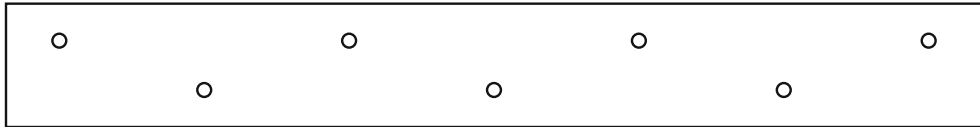
5" STRUCTURAL SCREWS @ 16" O.C. ALONG EACH PLY SEAM,
STAGGERED TOP AND BOTTOM (SHOP PRACTICE, AS BILLED);
ASSEMBLE AND SPLICE PER DCA 6-2015 FIGURE 4



BUILT-UP BEAM DETAIL

N.T.S.

30" SAME ROW (15" O.C.)



2x10 PT LEDGER: 1/2" LAG SCREWS @ 15" O.C., STAGGERED IN 2 ROWS — EDGE AND END DISTANCES PER DCA 6-2015 FIGURE 19
LEDGER TO HOUSE BAND JOIST ONLY — NEVER TO BRICK VENEER OR SIDING ALONE; 1/2" MAX GAP; CONTINUOUS FLASHING ABOVE



LEDGER FASTENING DETAIL

N.T.S.



LEDGER, POST & FOOTING DETAIL

N.T.S.

Details are drawn from this design's members and the hardware its takeoff bills; they are not to scale. Hardware names a series or an equal: install each connector with the fasteners its maker specifies.

SAMPLE DECK CO.

DETAIL VIEWS

PAT HOMEOWNER
100 SAMPLE LANE, ANYTOWN, ST

DRAWINGS PROVIDED BY:
SAMPLE DECK CO.
1 EXAMPLE WAY, ANYTOWN
(555) 555-0148

DATE:
10/22/2026

REV:
1

SHEET:
4
PROJ DP-SAMPLE

GENERAL REQUIREMENTS

- 1. All design and construction shall comply with the International Residential Code as adopted and amended by the City of Anytown, ST. Where these drawings and the code differ, the more restrictive governs.
- 2. Deck members are sized prescriptively from the AWC DCA 6-2015 Prescriptive Residential Wood Deck Construction Guide (based on the 2015 IRC); each member note cites the table it was read from.
- 3. The contractor is responsible for means, methods and sequences, and for the structure's stability until all framing, bracing and connections are complete.
- 4. Verify all dimensions and existing conditions in the field before ordering material or cutting framing. These drawings are for this project and site only.
- 5. Locate underground utilities before excavating (call 811).

DESIGN CRITERIA

- 1. Deck live load: 40 psf. Deck dead load: 10 psf (DCA 6-2015).
- 2. Presumptive soil bearing: 1,500 psf (DCA 6-2015 Table 4); verify on site.
- 3. Snow, wind and seismic: per the authority having jurisdiction; DCA 6-2015 applies to decks with a ground snow load of 40 psf or less.

FOUNDATIONS

- 1. Footing bottoms 3'-0" below finished grade, below the local frost depth, on undisturbed soil.
- 2. Pad and pier sizes per the Footing Layout; each pier is checked for bearing on that sheet.
- 3. Concrete: 2,500 psi minimum at 28 days (DCA 6-2015 Table 4 basis). No aluminum in contact with concrete.

STRUCTURAL WOOD FRAMING

- 1. Framing lumber Southern Pine, preservative-treated. Joist and beam spans are read from the DCA 6-2015 Southern Pine column (Tables 2 and 3A), and post heights for Southern Pine (Table 4).
- 2. Joists 2x10 pressure-treated at 16" on center, hung or bearing per plan.
- 3. Beams (2)2x10 pressure-treated on 6x6 posts, sized from DCA 6-2015 Table 3A.
- 4. Ledger fastened at 15" on center per DCA 6-2015 Table 5, over continuous flashing, with lateral-load hold-downs in at least two locations within 2 ft of the edge of the deck, each with an allowable stress design capacity of at least 1,500 lb (DCA 6-2015 p.17).
- 5. All hangers, straps, post bases and fasteners in contact with preservative-treated lumber to be hot-dip galvanized (G185) or stainless, per the hardware manufacturer.
- 6. Solid blocking at guard posts (2 per post) and at mid-span where required.
- 7. All lumber in contact with concrete or exposed to weather shall be preservative treated. Hardware in contact with treated lumber: hot-dip galvanized (G185) or stainless, per the hardware maker.
- 8. Connectors (hangers, post bases, post caps, hold-downs) shall be installed with the fasteners their maker specifies.

GUARDS + STAIRS

- 1. Guards where the walking surface is more than 30" above grade (IRC R312.1), 36" minimum height (IRC R312.1.2); some jurisdictions require 42".
- 2. Stair risers 7-3/4" maximum (IRC R311.7.5.1), treads 10" minimum (IRC R311.7.5.2); within a flight the largest riser may exceed the smallest by no more than 3/8".
- 3. Handrails on stairs with four or more risers (IRC R311.7.8).

CODE CHECK (DECKPRO ENGINE)

- 1. Verify — MFR-STAIR-STRINGER-OC: Composite treads need closer stringers than wood, and DCA 6 publishes no value for them. The stringers are laid 5 per 44" flight at 12" on center at most, at least 4 — the Trex stair chart's value for Signature and Transcend 1x6 and Transcend and Select 2x6 treads (Trex 2024 Decking Installation Guide, p.35). Trex Select and Enhance 1x6 treads need 9" on center, and other makers publish their own. Verify the selected product's stair installation guide and add stringers if it asks for closer spacing.

ABBREVIATIONS

A.F.G.	ABOVE FINISHED GRADE
CL	CENTERLINE
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
EA	EACH
FTG	FOOTING
GALV	GALVANIZED
MAX	MAXIMUM
MIN	MINIMUM
O.C.	ON CENTER
PT	PRESERVATIVE (PRESSURE) TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
AHJ	AUTHORITY HAVING JURISDICTION

5 SHEETS: 1 PLOT PLAN · 2 FOOTING LAYOUT · 3 FRAMING LAYOUT · 4 DETAIL VIEWS · 5 GENERAL NOTES

SAMPLE DECK CO.

GENERAL NOTES

PAT HOMEOWNER
100 SAMPLE LANE, ANYTOWN, ST

DRAWINGS PROVIDED BY:
SAMPLE DECK CO.
1 EXAMPLE WAY, ANYTOWN
(555) 555-0148

DATE:
10/22/2026

REV:
1

SHEET:
5
PROJ DP-SAMPLE