



TOWNSHIP OF BETHLEHEM

BUILDING PERMIT APPLICATION

RESIDENTIAL DECK PERMIT ADDENDUM

Street Address: _____

Phone: _____ Email: _____

Office Use Only – Permit Number: _____

Attach a detailed deck drawing and required materials to this permit application.

Total square feet of deck: _____ **Height of deck:** _____

Any portion of deck 30 inches or higher requires residential building permit. Zoning permit only required for decks under 30 inches.

Trades: Electrical Plumbing Mechanical (gas lines)

Type: Attached to house Free standing Above ground pool

Exterior finish of house: Vinyl siding Brick Masonry Other: _____

House joist type: 2x10 2x12 I-joist Open web floor trusses

Design load: 40 LB live load Designed to: _____ live load (engineer design)

Additional load: Hot tub on deck Roof over deck Sunroom on deck

Piers: Diameter: _____ Depth: _____ Spacing: _____

Posts: 4x4 6x6 Helical Perma column Other: _____

Beams: 2x10 2x12 LVL PT Other: _____

All splices in beams must occur directly over a post. All LVL engineered beams must have beam specifications and calculations submitted for the proposed spans.

Joist size: 2x6 2x8 2x10 2x12 **Joist spacing:** 12 inches on-center (OC) 16 inches OC

Lateral load tie down: Simpson DTT1Z-KT 1/2 inch all thread Other: _____

Ledger board: A detailed plan must be submitted indicating the type of fasteners (lag bolt, ledgerloks, GRK, other) and showing the bolting pattern that will be used in the field.

Stairs: A stair detail must be submitted showing riser height and tread depth. A continuous handrail must be on one side of stairs with 4 or more risers. Open risers are not permitted.

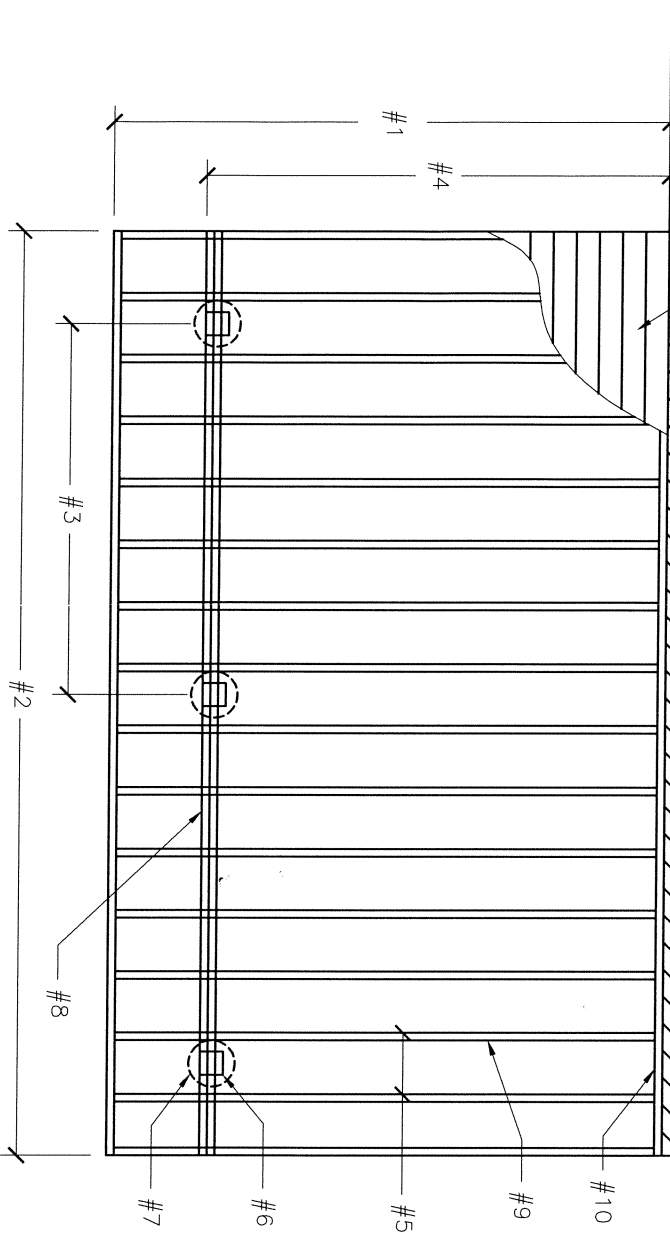
Handrails: 34 inches minimum to 38 maximum from the nosing of the treads.

Guardrails: 36 inches minimum above the finished deck flooring. Vertical balusters cannot be more than 4 inches of opening.

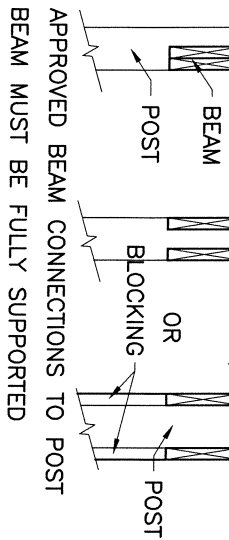
Please see DCA-6 Prescriptive Residential Wood Deck Construction Guide online (www.awc.org/resource-hub/) for helpful deck information.

EXISTING STRUCTURE

IF DECK IS SUPPORTED BY STRUCTURE, LEDGER MUST BE SECURED PER IRC SECTION R507.2



PLAN VIEW

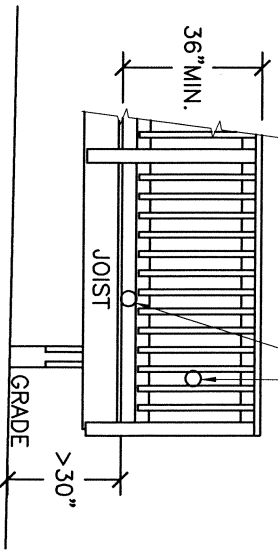


APPROVED BEAM CONNECTIONS TO POST
BEAM MUST BE FULLY SUPPORTED

THE FOLLOWING INFORMATION IS REQUIRED TO BE SUBMITTED WITH A BUILDING PERMIT APPLICATION FOR A WOOD DECK. THIS DRAWING MAY BE SUBSTITUTED WITH OTHER DRAWINGS. IF DECK HAS MULTIPLE DIMENSIONS, PLEASE SHOW CONFIGURATION ON THE PLOT PLAN OR OTHER DRAWING.

- REFER TO CORRESPONDING NUMBERS ON DWG.
- 1 LENGTH _____
 - 2 WIDTH _____
 - 3 DIMENSION BTW POSTS _____ QTY: _____
 - 4 DIMENSION TO BEAM(S) _____
 - 5 JOIST SPACING _____
 - 6 POST SIZE _____" X _____"
 - 7 CONC. FOOTING _____" DIA. X _____" DEEP
 - 8 BEAM SIZE (DBL) _____" X _____"
 - 9 JOIST SIZE _____" X _____"
 - 10 LEDGER BOARD _____" X _____"
 - 11 DECKING BOARDS _____" X _____"

4" SPHERE MUST NOT PASS THROUGH AT ANY POINT WHEN DECK IS >30" ABOVE GRADE



SAMPLE GUARD DRAWING

APPLICANT: _____

SITE ADDRESS: _____

DRAWING # WD-OI SCALE: 1/4" = 1'-0"