



TOWNSHIP OF BRUCE

Building Department

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DECK CONSTRUCTION INFORMATION

Revised 7/24/2017

Building Permit Application Requirements:

- a. two (2) sets of construction plans (see example)
- b. site plan indicating size, shape and distances from property lines, existing buildings and easements (see example)
- c. building permit application

Fees: *Minimum building permit fee--\$75.00*

Decks- \$0.15 square foot

Financial guarantees (bonds)-

| <u>Estimated Cost of Construction</u> | <u>Amount</u> |
|---------------------------------------|--|
| \$1,000 to 1,999 | \$ 50.00 |
| 2,000 to 4,999 | 100.00 |
| 5,000 to 9,999 | 200.00 |
| 10,000 to 49,999 | 300.00 |
| 50,000 plus | 300.00 plus \$5.00 per \$1,000 over \$50,000 |

General Construction Information:

Foundation: posts to be set a minimum of 42" below grade

Framing Material: all material in contact with the ground is to be .40 pressure treated and labeled "ground contact acceptable".

Framing Fasteners: all nails, bolts, brackets and fasteners shall be of zinc, zinc coated, or other approved corrosion-resistive fasteners.

Framing Requirements:

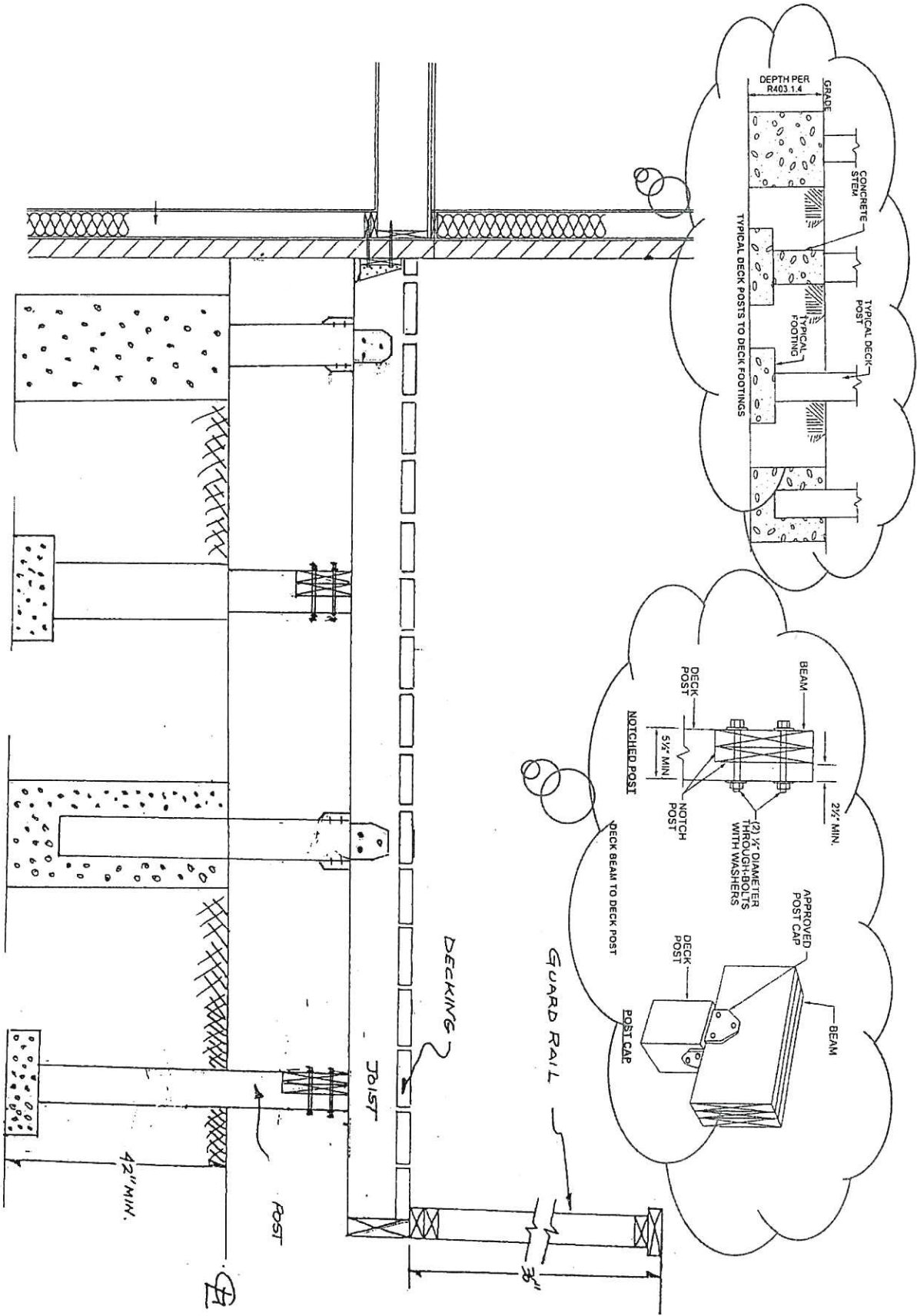
- a. posts - minimum size 4" x 4"
- b. beams -

| <u>quantity</u> | <u>size</u> | <u>span</u> | |
|-----------------|-------------|-------------|--|
| 2 | 2" x 6" | 5'4" | (Maximum clear span based on 10' span each side of beams. 40 lbs. live load) |
| 2 | 2" x 8" | 6'4" | |
| 3 | 2" x 6" | 6'8" | |
| 2 | 2" x 10" | 8'0" | |
| 3 | 2" x 8" | 8'6" | |
| 2 | 2" x 12" | 10' | |
| 3 | 2" x 10" | 10' | |

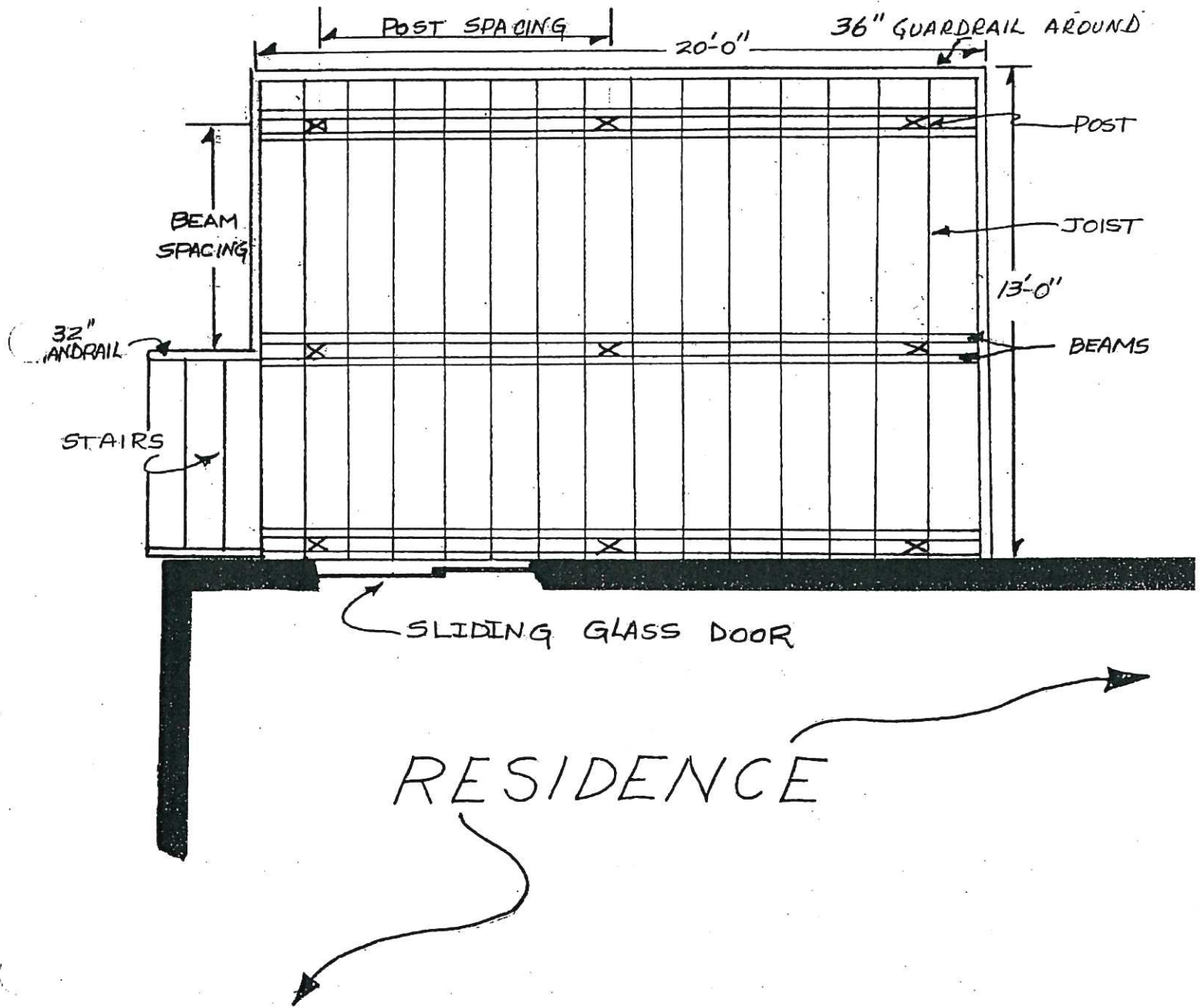
| <u>size</u> | <u>maximum clear span</u> | |
|-------------|---------------------------|----------------------|
| | <u>16" on center</u> | <u>24" on center</u> |
| 2" x 6" | 9'0" | 7'7" |
| 2" x 8" | 11'10" | 9'8" |
| 2" x 10" | 14' | 11'5" |

Handrails and Guardrails: Handrails are required on both sides of stairs with 3 or more risers. Hand rails are required on both sides of stairs with a width of 44" or more. Handrails are to be not less than 34" or more than 38" measured vertical from the nosing of treads. Guardrails are to be a minimum of 36" above finished floor with intermediate rails or ornamental closures with a maximum of 4" between. A guard rail is required when height is 30" or more from grade.

Deck Post & Foundation Examples



TYPICAL DECK FRAMING PLAN



TYPICAL SITE PLAN

