1. Plans for the proposed deck were reviewed under Div. B Part 9 of the 2012 Ontario Building Code, O. Reg. 332/12 as amended.
2. All construction to meet or exceed the requirements of the 2012 Ontario Building Code and Supplemental Standards.
3. All work whether detailed on plans or not is subject to the field approval of the Building Inspector.
4. Footings/sonotubes must bear on undisturbed soil minimum 48" below grade, bell out bottom.
5. Deck footings/sonotubes shall extend to not less than 150mm (5 7/8") above ground level.
6. Deck posts shall be centrally located on footings/sonotubes.
7. Deck NOT attached to the house, and not more than 24" high may rest on an approved footing or foundation system (eg. Deck Blocks) on grade.
8. Decks attached to the house are not permitted to be supported on brick veneer; they shall be attached to the house framing structure.
9. Provide lateral support (diagonal bracing) to deck posts when posts are more than 600mm (23 5/8") in length.
10. Beam splices to occur over a post or support only.
11. Provide mid span solid blocking where joists span over 611'.
12. Deck needs to be protected by a guard where there is a difference in elevation of more than 600mm (23 5/8") between the deck surface and the adjacent grade.
13. For decks more than 24" above grade and up to 5'-11" above grade, the guard must be minimum 35' high with no climbable attachments and no openings greater than 4". For decks more than 5'-11" above grade the guard must conform to the above except that the minimum height is 42".
14. Pickets shall be fastened with screws at the top and bottom. Turned pickets are NOT permitted.
15. Supporting posts are required every 3'11" in typical post and rail guardrail system.
16. Provide solid blocking between joists at guard rail posts where guard is parallel to joist direction.
17. Min. 20 Gauge framing anchor to be used at post to rail connections, plastic clips are NOT permitted.
19. Interconnected footings/sonotubes shall be not more than 2'11". Stringers shall be supported and secured at top and bottoms.
20. Wood stair stringers shall be of minimum size of 2x10 600mm (23 5/8") in length.
21. Exterior stair dimensions:
   a) Provide uniform run and tread depth, and uniform height for steps.
   b) Rise: max. 200mm (7 7/8") and min. 125mm (4 7/8")
   c) Run: max. 355mm (14") and min. 210mm (8 1/4")
   d) Tread depth: max. 355mm (14") and min. 235mm (9 1/4”).
   e) Tread not less than 1 1/2" actual thickness when open risers are used.
22. You shall respect the lot grading of your lot and those that surround it.

DECK SPECIFICATIONS

<table>
<thead>
<tr>
<th>Property address:</th>
<th>Deck size: Width:</th>
<th>Length:</th>
<th>Material:</th>
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<thead>
<tr>
<th>Deck height:</th>
<th>Ground to top of decking</th>
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<thead>
<tr>
<th>Stair steps:</th>
<th>Rise:</th>
<th>Run:</th>
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<th>Decking:</th>
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<thead>
<tr>
<th>Guard:</th>
<th>Height:</th>
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<tr>
<th>Type:</th>
<th>1. Cantilevered pickets system</th>
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<tbody>
<tr>
<td>2. Post and rail system</td>
<td></td>
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<tr>
<td>3. Other, specify:</td>
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Steel, aluminum and glass railing systems must be designed in accordance with the structural requirements of Part 4 of OBC Div. B and engineered design must be submitted.

PVC or composite decking and guard system must have Minister ruling or BMEC approval accompanied with CCMC report. A copy of all approvals are required.

<table>
<thead>
<tr>
<th>Joists:</th>
<th>Size: x x @ x on center</th>
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<tbody>
<tr>
<td>Beam:</td>
<td>x x x ply</td>
</tr>
<tr>
<td>Beam:</td>
<td>x x x ply</td>
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<tr>
<td>Posts:</td>
<td>Size: (min. 6x6)</td>
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<tr>
<td>Footing:</td>
<td>Sono-lube:</td>
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inch diameter minimum 4" below grade on undisturbed soil with bell out bottom. Deck blocks. (can only be used to detached deck with an area less than 592 ft²) Deck ledger to house (for attached decks):

<table>
<thead>
<tr>
<th>Ledger board size:</th>
<th>Lag bolt size:</th>
<th>(min. ½&quot;) spacing</th>
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<tbody>
<tr>
<td>Lag bolt Length:</td>
<td></td>
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DECK INSPECTION

Div. C Article 1.3.5.3. of the 2012 Ontario Building Code requires a site inspection within 2 business days (5 days for septic system related inspections) of receipt of notification. However, the Building Services Department endeavors to provide next-day inspections if your request is received before 3:00 p.m. the day before. For Monday inspection please request prior to 3:00 p.m. on Friday.

Required inspection:
1) Deck footing: Before pouring concrete for foundations.
2) Structural framing inspection:
   a) If undesirable of deck is less than 3'-0" above ground, call framing inspection before deck boards are installed.
   b) Deck final inspection: After the deck is completed.
   c) Additional inspection as directed by our building inspector.

Booking inspections:
1) Call 705-739-4231 or email building@barrie.ca

Required information:
Name; Address; permit number; type of inspection.

PERMIT APPLICATION REQUIREMENTS

The Ontario Building Code Act requires a permit to be issued prior to start construction if any of the following situation occurs:

- Deck is attached to house (or other existing structure).
- Deck is occupying an area greater than 10 m² (107 ft²), or
- Deck is adjacent to an entrance/exit.

To apply for a building permit for a deck, submit the following:

- Completed application form;
- Completed deck specification on this page;
- Two copies of site plan/survey showing all existing structure and proposed deck with setbacks;
- Two copies of design drawings drawn to scale including:
  - Plan view showing:
    - Deck dimension;
    - Posts size and location;
    - Beam size, span and location;
    - Joists size, spacing and direction;
    - Stair location and dimension;
    - Cross section/elevation showing:
      - Deck height, and connection to existing structure;
      - Footing/foundation size and depth;
      - Guard/railing type.

DESIGNER QUALIFICATION

The home owner of a house is allowed to design their own deck without being qualified under the Ontario Building Code. However, the designer prepared shall still be in sufficient detail to demonstrate the project will comply with the technical requirement of OBC.

Any other than home owners, architects or engineers should be qualified under Ontario Building Code with BCIN when the designed deck is attached or over 50 m² if detached.

DECK PLAN REVIEW

The following requirements shall be considered when reviewing the deck plan:

- Joists:
  - Size: x @ x on center
  - Span: ______ Overhang: ______ (max. 2')

- Beam:
  - Size: x x x ply
  - Span: ______ Overhang: ______ (max. 2')

- Posts:
  - Size: ______ (min. 6x6)

- Footing:
  - Sono-lube:

- Ledger board size: ______
- Lag bolt size: ______ (min. ½")
- Lag bolt Length: ______ (long enough to pass through brick veneer and into wood frame)
WOOD DECK CANTILEVERED PICKET SYSTEM

GUARD PARALLEL TO FLOOR JOIST ATTACHMENT

MIN. 2 1/2" #8 M.E. WOOD COLUMN

MIN. 2 1/2" #8 M.E. WOOD COLUMN

MIN. 3/4" X 8" MIN.

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WOOD DECK
POST AND RAIL SYSTEM

SECTION THROUGH STAIR POST AND RAIL GUARD

GUARDRAIL SECTION

RAIL CONSTRUCTION
SECTION DETAIL

POST ATTACHMENT
PARALLEL TO JOISTS

POST ATTACHMENT
PERPENDICULAR TO JOISTS

THESE DRAWINGS MAY NOT BE USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE CITY OF BARRIE BUILDING SERVICES DEPARTMENT.

NOTES:
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2. THE USER OF THESE DRAWINGS SHOULD BE AWARE THAT NOT ALL CONSTRUCTION MATERIAL OFFERED FOR SALE BY SUPPLIERS IS NECESSARILY PERMITTED FOR USE WHERE REGULATED BY THE ONTARIO BUILDING CODE. ALL PROPOSED MATERIALS IS SUBJECT TO APPROVAL BY THE BUILDING SERVICES DEPARTMENT.
3. REQUIRED INSPECTIONS INCLUDE:
   1. BEFORE POURING CONCRETE FOR FOUNDATION;
   2. STRUCTURAL FRAMING;
   3. FINAL INSPECTION;
   4. ADDITIONAL INSPECTION AS DIRECTED BY YOUR BUILDING INSPECTOR.

INSPECTION REQUEST: 705-739-4231
OR EMAIL: BUILDING@BARRIE.CA
NOTE: WE REQUIRE ADDRESS, PERMIT NUMBER, NAME AND TYPE OF INSPECTION WHEN YOU SUBMIT YOUR REQUEST FOR INSPECTION.
WOOD DECK
FLOOR BASE CONSTRUCTION DETAILS

SECTION THROUGH DECK

WOOD BEAM TO POST JUNCTION OPTIONS

CONSTRUCTION NOTES:
1. DECKS MUST BE ATTACHED TO HOUSE FOUNDATION OR STRUCTURAL FRAMING (NOT BRICK VENEER) WITH MINIMUM 7/8" DIAMETER BOLTS AT MINIMUM 24" ON CENTRE.

WALL CONNECTION
THROUGH BRICK WALL

CONSTRUCTION NOTES:
2. MAXIMUM DIAMETER FOR GEOTECHNICAL STUDS = 3/4".

LATERAL BRACING DETAILS

SHRINKAGE VOLUME WITHIN 4'-6" DEEP DECK BORING SHOULDN'T BE DRIED OUT. SEE CONSTRUCTION NOTE #3.

DECKS GREATER THAN 24' ABOVE GRADE SHALL BE PROVIDED WITH LATERAL BRACING TO ENSURE DECK STABILITY.

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WALL CONNECTION
THROUGH SIDING WALL

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BUILDING SERVICES DEPARTMENT
Phone:(705) 739-4212 or Email: ServiceBarrie@barrie.ca
Visit:eservices.barrie.ca to apply online
www.barrie.ca

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