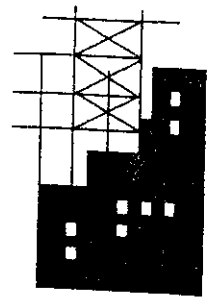




CITY OF MACEDONIA

The Crossroads of Northeast Ohio

9691 Valley View Road • Macedonia, Ohio 44056
330 / 468-8360 • Fax: 330 / 468-8396



Building Department

BASIC DECK AND PORCH REQUIREMENTS

All decks and porches must meet all state, local, and electrical codes

What you need at time of permit application:

1. A letter of approval from your Home Owners Association, if one exists.
2. A drawing of your lot showing distances from all lot lines and structures to your new deck or porch. All structures must be 10 feet from the side property line and 5 feet from the rear line. If you have a corner lot then the side set back for the street side is 40 feet instead of 10.
3. A detailed drawing showing all dimensions, construction material, footers, railings, steps, lumber dimensions, support beams, etc. as required. (Residential Code of Ohio 2006 edition) Note: Railings are required for all decks or porches 30 inches or higher from the ground. Railings must be a minimum 36 inches high and have ornamental closures which do not allow passage of a sphere 4 inches or more in diameter.
4. Detailed drawings of electrical work if applicable. (NEC 2008)
5. All drawings may be completed by the home owner or a design professional.
6. All contractors must be registered with the city. (See contractors registration code 1361.01)
7. Please allow 5 business days for your plans to be reviewed. Larger projects may require extended review time. We will call you with your permit fees once approval is given.
8. No work may begin prior to plan approval.

Inspections are required based on type and size of your project. The most common are listed as follows, in order of need: Footer/posthole (36 inch minimum depth), rough frame, rough electric (if applicable), final electric and final build.

We want this to be a pleasant experience and the better data you supply the faster this can proceed.

Thank You.

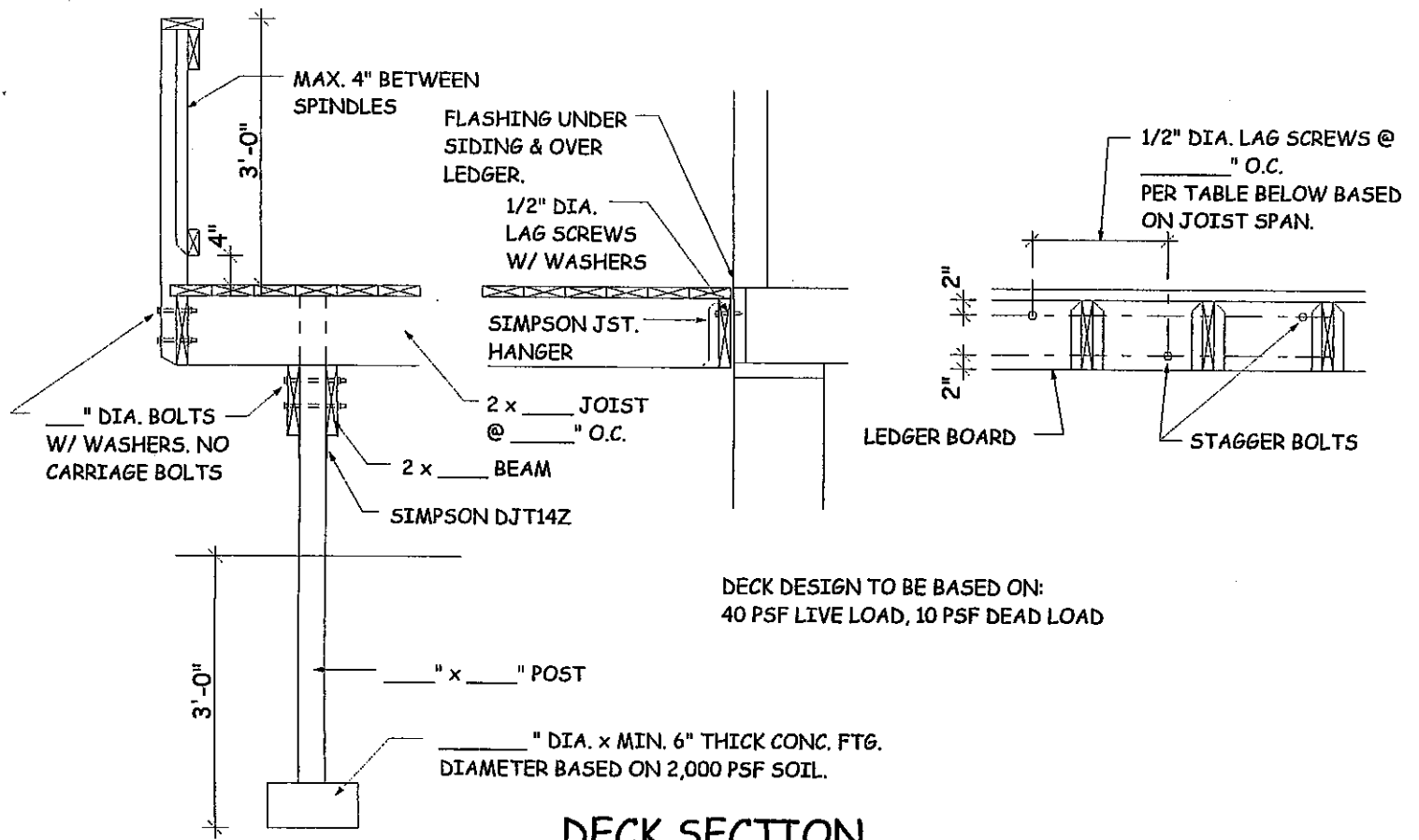
Your Macedonia Building Department

9691 Valley View Rd 2nd Floor (use side entrance on your right as you enter parking lot)

(330) 468-8360

Hours: Monday – Friday 7:30am-4:00pm except holidays

All City Codified Ordinances can be found at <http://www.macedonia.oh.us>



DECK DESIGN TO BE BASED ON:
40 PSF LIVE LOAD, 10 PSF DEAD LOAD

DECK SECTION

1/2" = 1'-0"

Ledger-to-Rim Joist Connection

- International Residential Code® -2007 Supplement**

R502.2.2.1 Deck Ledger Connection to Band Joist

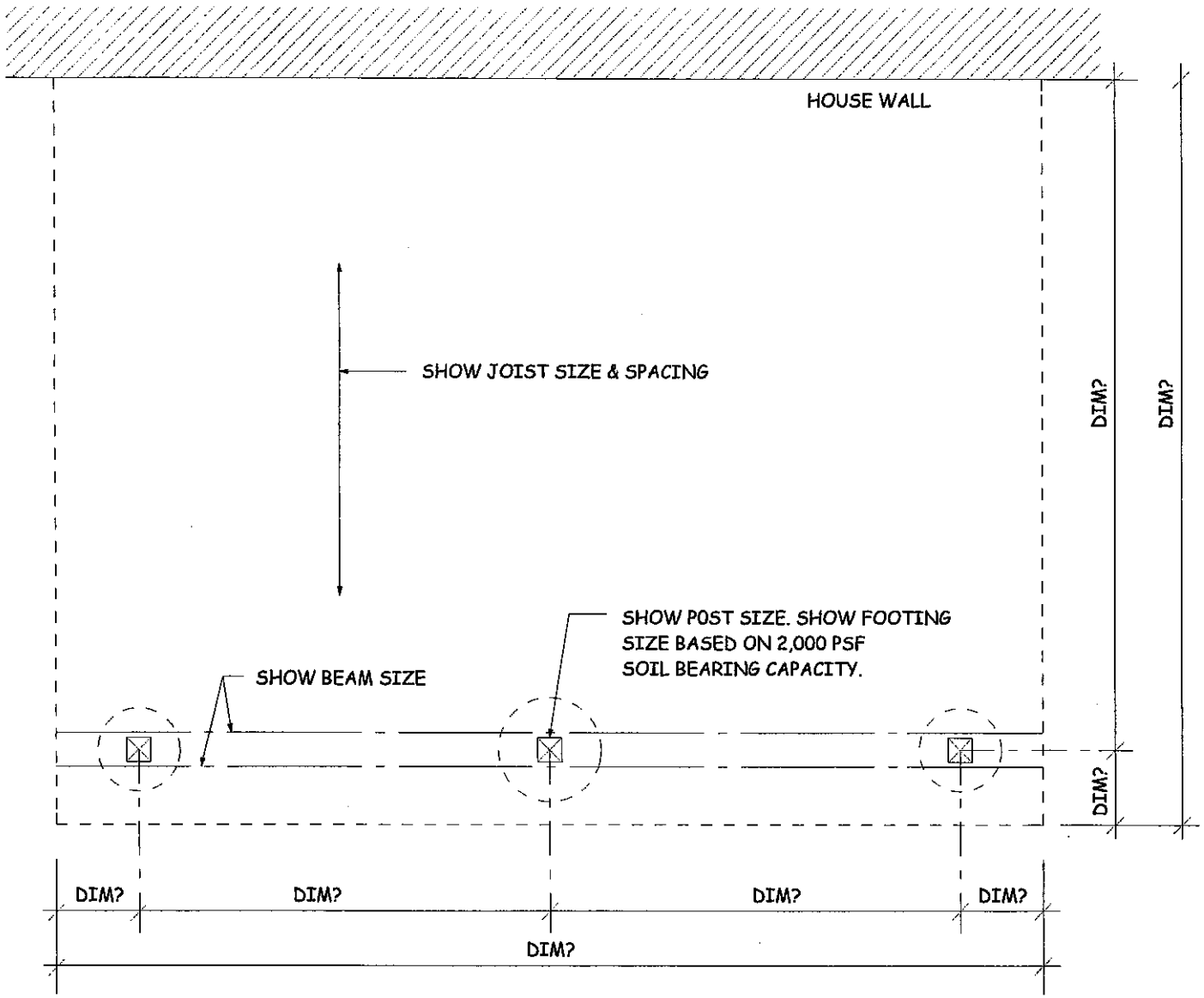
For decks supporting a total design load of 50 psf (40 psf live, 10 psf dead load), the connection between a deck ledger of PPT Southern Pine, incised PPT Hem Fir, or approved decay-resistant species, and a 2-inch nominal band joist bearing on a sill plate or a wall plate shall be constructed with 1/2" lag screws or bolts with washers per Table R502.2.2.1. Lag screws, bolts and washers shall be hot-dipped galvanized or stainless steel.

TABLE R502.2.2.1 Fastener Spacing for a Southern Pine or Hem-Fir Deck Ledger and a 2-Inch Nominal Solid-Sawn Spruce-Pine-Fir Band Joist Deck Live Load = 40 psf, Deck Dead Load = 10 psf 3,5,7							
Joist Span (ft)	6' and less	6'-1" to 8'	8'-1" to 10'	10'-1" to 12'	12'-1" to 14'	14'-1" to 16'	16'-1" to 18'
Connection Details	On-Center Spacing of Fasteners 4,6						
1/2" diameter lag screw with 15/32" maximum sheathing ¹	30	28	18	15	13	11	10
1/2" diameter bolt with 15/32" maximum sheathing	36	36	34	29	24	21	19
1/2" diameter bolt with 15/32" maximum sheathing and 1/2" stacked washers ^{2,3}	36	36	29	24	21	19	16

Lag Screws – Wood-to-Wood Ledger Application

AF&PA National Design Specification for Wood Construction (NDS) -- '97/'01/'05

- Pre-bored holes are required;
 - 100% for the shank diameter in the shank portion of the screw (NDS '97 – 9.1.2.1a, NDS '01, '05 – 11.1.3.2a)
 - 40%-75% for the threaded portion (NDS '97 – 9.1.2.1b, NDS '01, '05 – 11.1.3.2b)
- No reduction in capacity is anticipated if soap or other lubricant is used. (NDS '97 – 9.1.2.4, NDS '01, '05 – 11.1.3.5)



SAMPLE DECK PLAN

N.T.S.

APPLICATION FOR RESIDENTIAL BUILDING AND/OR ZONING CERTIFICATE
CITY OF MACEDONIA, OHIO



DATE: _____ ESTIMATED VALUE \$ _____

JOB ADDRESS: _____

OWNER/OCCUPANT: _____ PHONE No. _____

NOTE: ALL CONTRACTORS AND/OR SUBCONTRACTORS MUST BE REGISTERED WITH THE CITY. DRAWINGS MUST ACCOMPANY ALL APPLICATIONS:

JOB TYPE: (CHECK ONE)

_____ SHED SIZE: _____

_____ DECK/GAZEBO/OPEN PORCH

_____ POOL ABOVE GD _____ BELOW GROUND _____

_____ FENCE

_____ DRIVEWAY/APRON/CONCRETE PAD

_____ OTHER - SPECIFY _____

GENERAL CONTRACTOR: _____

ELECTRICAL: _____

PLUMBING: _____

OTHER: _____

The acceptance of this application constitutes an agreement to abide by all conditions herein contained and to comply with all Ordinances of Macedonia and Laws of the State of Ohio relating to the structure herein described and/or the work to be done hereunder.

I hereby declare, under the penalties provided for in the Building Code and Zoning Ordinance of Macedonia for violation thereof, that the statement made in connection with this project in this application for a Permit or Certificate are to the best of my knowledge and belief, true.

APPLICANT: _____