Inspections Division
Date: 05/06/16

Grabarz Deck Project Info:

Plans based on guidelines from AWC Prescriptive Wood Deck Construction Guide

1. Proposed Structure = 16ft x 16ft attached deck
    a. Main deck = 16’ x 16’
    b. Deck Height @ Max = 43”

2. Foundation System
    a. 12” diameter SAKRETE Concrete form tube
    b. 4’-0” Below grade
    c. Anchorage = Galvanized Post Base w/ anchor
    d. Spacing = 3’ centered, 14’ from existing foundation (2’ cantilever)
        i. Precast concrete blocks to support stairs (exterior corners)

3. Columns
    a. Main deck = 6x6 #2 PT Timber (4)
    b. Stairs = 4x4 #2 PT Timber (2)
    c. Galvanized post base will anchor main deck timbers to footing

4. Framing Members
    a. Ledger Size = 2x10x16
    b. Lag Bolt Size & Spacing = 3 in. Galvanized Lag Screws @ 10 in. o.c.
    c. Framing fasteners = Hot dipped galvanized nails/screws or deck mate wood deck screws
    d. Girder Size = 2x10x16(3) Beam assembly attached by galvanized double post cap/base
    e. Spans = <4’-0”
    f. Joist size, span & spacing = 2x10, 14’ & 14” o.c.
    g. Joist Hangers = 2x10 Galvanized double shear face mount
    h. Decking size = 5/4 in. x 6 in. x 16ft.

5. Guardrails & handrail details
    a. Height = ≥ 36”
    b. Baluster spacing = < 4” per AWC Prescriptive residential wood deck construction guide
    c. Handrail Height = 34”-38” per AWC guide

6. Stair details
    a. Tread depth = >10”
    b. Riser height = ≤ 7 ¾ in.
    c. Nosing = ¾ - 1 ¼ in
    d. Width = 4 ft.
    e. Landing area = 4ft. x 4ft. attached to main deck by lag screws

7. Estimated Cost to Build = $2,891,72