

**Stair Notes:**

1. Contractor shall construct new stairs and landings to comply with code required structural floor loads, typ. Design, details and construction of stairs & landings by owner retained contractor. (not part of this design)

**2. Stairs:**

- Minimum Tread width - 36 inches
- Minimum 1 1/2" Tread Depth
- Maximum 7" Riser Height
- Minimum 80" Clear Headroom Height
- Handrails both sides

Guard rails shall be minimum 42" high above walking surface (all open sides exceeding 30" above the floor require Guards) except as noted. Hand rails shall be not less than 34" nor more than 38" above the walking surface

3. Where the top of the guard also serves as the handrail on the open sides of the stair, the top of the guard shall not be less than 34 inches and not more than 38 inches measured vertically from a line connecting the leading edges of the treads.

4. Guards shall be 42 inches in height measured vertically above adjacent walking surfaces and shall not have openings which allow passage of a sphere 4 inches in diameter from the walking surface to the required guard height.

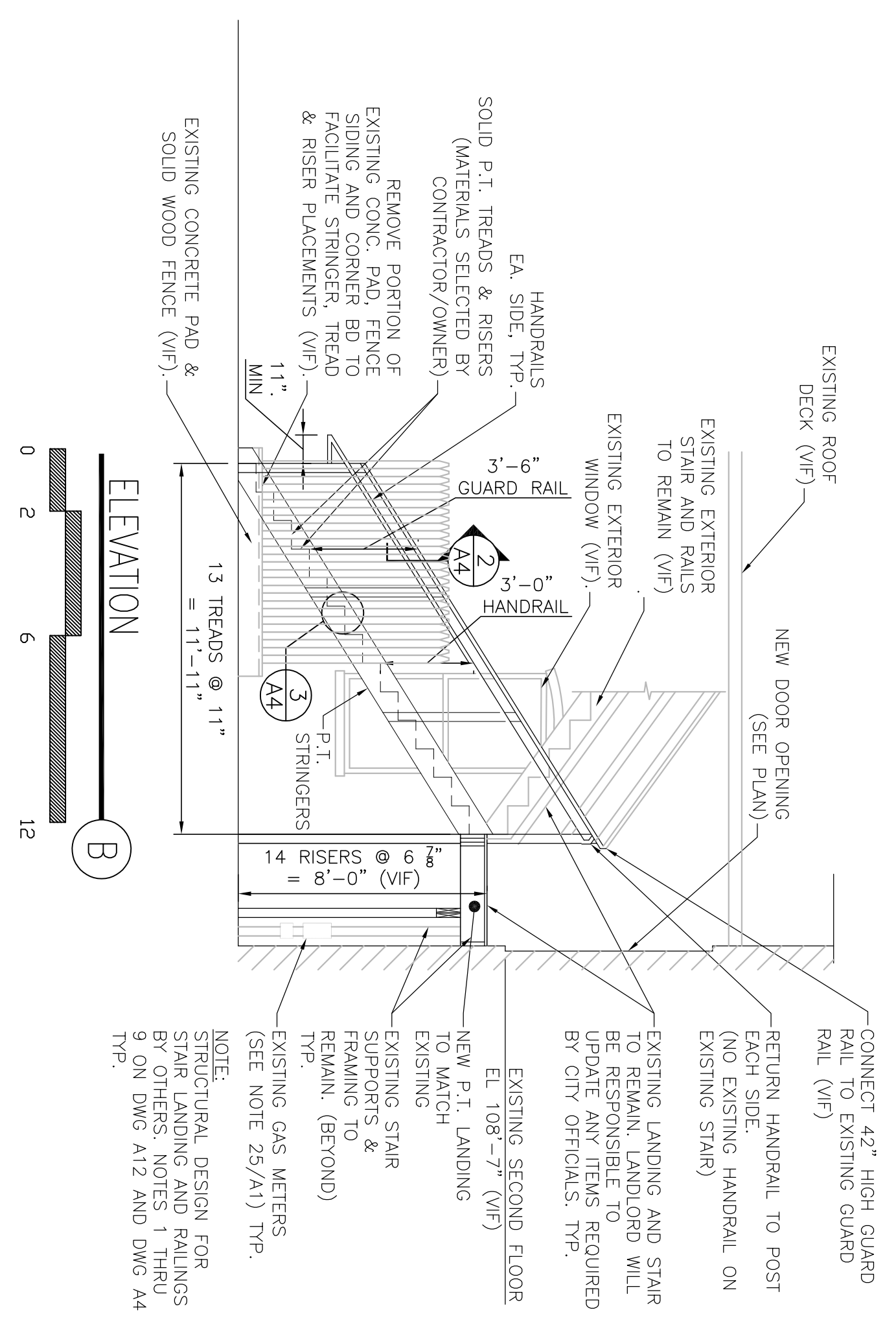
5. Handrails and guardrails shall be adequate in strength and attachments to resist a load of 50 pounds per lineal foot applied in any direction at the top and to transfer this load through the supports to the structure. they shall also be able to resist a single concentrated load of 200 pounds, applied in any direction at any point along the top, and to transfer this load through the supports to the structure. Intermediate rails (all those except the handrail) balusters and panel fillers shall be designed to withstand a horizontal applied normal load of 50 pounds on an area equal to 1 square foot, including openings and space between rails.

6. Handrails shall return to a wall, guard or the walking surface or shall be continuous to the handrail of an adjacent stair flight or ramp run. Handrail shall extend at the required height to at least those points above the top and bottom risers. Handrail ends shall be returned to wall, floor or terminate at newel posts. Handrails with a circular cross section shall have an outside diameter of at least 1 1/2" and not greater than 2". If the handrail is not circular, it shall have a perimeter dimension of at least 4" and not greater than 6 1/2" with a minimum cross-section dimension of 2 1/4" provided that graspable edges are rounded so as to provide a radius of not less than 7/8". Edges shall have a minimum radius of 0.01 inch. clearance space between the handrail and the wall or other surface shall be minimum of 2 1/4" and shall be free of any sharp or abrasive elements.

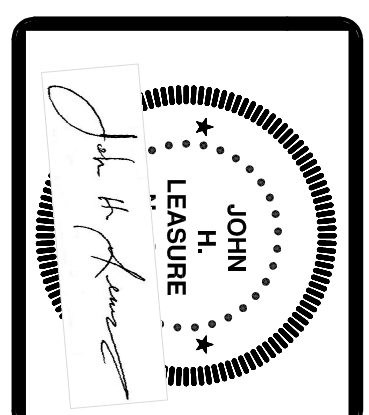
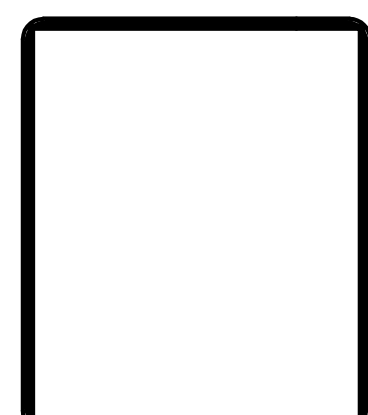
7. Handrails shall have gripping surfaces that are continuous along their length and shall not be obstructed along their tops or sides. the bottoms of handrail gripping surfaces shall not be obstructed for more than 20% of their length. horizontal projections shall occur 1 1/2" minimum below the bottom of the handrail gripping surface. handrail gripping surfaces shall have a cross section with outside diameter of 1 3/4" min. and 2" max. non-circular handrail gripping surfaces shall have a perimeter dimension of 4" min. and 6 1/2" max., and a cross section dimension of 2 1/4" max.

8. Balusters (if selected) shall be arranged such that a 4" sphere cannot pass thru any openings. openings forming the triangular areas at treads shall not pass a 6" sphere.

**9. GC coordinate stair and landing details and finishes with owner.**



REV.	DATE	STATUS
1	9-22-16	FMO COMMENTS REVISIONS



Notes:  
See also details and notes on drawing A4.

**PROPOSED SICHUAN KITCHEN - RESTAURANT**  
612 CONGRESS STREET  
PORTLAND, MAINE  
REAR EXTERIOR PARTIAL ELEVATIONS (EXTERIOR DOOR & STAIR)

**A12**

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