LEASURE **GENERAL NOTES: CONCRETE NOTES:** 1. Structural drawings shall be used in conjunction with 1. All concrete work shall conform to ACI 318-Latest job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult, these drawings for locations and dimensions of 2. Concrete strength at 28 days shall be: See openings, chases, inserts, reglets, sleeves, specification manual. depressions, and other details not shown on structural a) 3000 psi for footings, frost walls & exterior piers. b) 3000 psi for all interior slabs-on-grade. c) 3500 psi w/ 65 air entrainment for all exterior 2. All dimensions and conditions must be verified in the slabs-on-grade. field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the 3. All concrete shall be air entrained 4% to 6% affected part of the work. | PROVIDE DOUBLE JACK 4. Concrete shall not be placed in water or on frozen 3. Do not scale plans. STUDS AT ALL STRUCTURAL 4. Sections and details shown on any structural drawings 5. Provide PVC sleeves where pipes pass through concrete HEADERS shall be considered typical for similar conditions. walls or slabs. 5. All propietary products shall be installed in 6. Reinforcing bars shall conform to ASTM A615 Grade 60 accordance with the manufacturers written -SPRINKLER RISER deformed bars, and shall be detailed, fabricated and instructions. erected in accordance with ACI 315-Latest edition. 6. The structure is designed to be self supporting and 7. Welded wire fabric shall be provided in flat sheets. stable after the erection is complete. It is the contractor's sole responsibility to determine erection 8. Fiber reinforced concrete shall conform to ASTM procedures and sequencing to ensure the safety of the building and its components during erection. This

DESIGN LOADS:

includes the addition of necessary shoring, sheeting

temporary bracing, guys or tiedowns. Such material

regulations shall be followed, including the federal

department of labor occupational safety and health

shall remain the property of the contractor after

7. All applicable federal, state, and municipal

completion of the project.

1. Building code: IBC-2009 - International Building Code (2009)

2. Design Live Loads:

New landing & Stair...

3. Design wind loads are based on 100 mph basic wind speed

4. Seismic Design conforms to IBC-2009 & ASCE-2005.

FOUNDATION NOTES:

1. Foundations have been designed to conform with the requirements provided in IBC-2009.

2. Exterior footings shall be founded on compacted structural fill or native soil. Provide soil compaction testing prior to placement od footings. See specification manual.

3. Exterior strip and spread footings shall be founded a minimum of 4'-6" below finished grade.

4. Slabs on grade shall bear on a minimum of 12" of compacted structural fill overlaid with 4" sand. If loose or undesirable fills are encountered at the slab subgrade level, they shall be over excavated to the surface of the natural soil and replaced with structural fill. Refer to drawings and specifications for vapor barrier requirements.

5. Structural fill shall be used at all locations below footings and slabs and adjacent to the foundation walls. Prior to placement of structural fill, remove all topsoil and other unsuitable material. Compacted structural fill shall consist of clean granular material free of organics, loam, trash, snow, ice, frozen soil or any other objectionable material. It shall be well graded within the following limits:

> SCREEN OR PERCENT FINER SIEVE SIZE BY WEIGHT 6 inch

6. Structural fill beneath slabs shall be placed in

100 70-100 3 inch NO. 4 35-70 5-35

layers not exceeding 6 inches in loose measure and compacted by self-propelled compaction equipment at approximate optimum moisture content to a dry density of at least 95% of the maximum in place dry density as determined by the modified proctor test (ASTM D-1557).

7. Exterior concrete slabs on grade, shall be underlain by at least 4 feet of structural fill meeting gradation and compaction requirements noted above. Reinforce top of slabs with 6X6 - W1.4xW1.4 WWF.

8. Backfill both sides of foundation walls simultaneously.

9. GC reviewed Submittals (shop drawings) and schedules of all reinforcing steel shall be prepared by the contractor and submitted to the Architect for for review and approval prior to commencement of that portion of the work. All accessories must be indicated on the Submittals which shall be submitted as (4) copies to the Architect.

10. Splices of reinforcing bars shall be in accordance with ACI 318. Splices of WWF shall be 6" minimum.

11. Concrete finishes: See Architectural Drawings. a) Interior slabs: Rotary polished b) Exterior slabs: Wood float w/ Broom finish

12. Anchor bolts shall conform to ASTM A307 unless noted otherwise on plan. Anchor bolts at all bracing locations shall conform to ASTM A36.

STRUCTURAL STEEL NOTES:

1. Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"-

2. Structural steel:

a. Structural steel shall conform to ASTM A-36. b. Structural tubing shall conform to ASTM A-500 GR-B

3. Design connections for the reactions shown on the drawings or the maximum end reaction that can be produced by a laterally supported uniformly loaded beam for each given beam size and span.

4. Field connections shall be bolted using 3/4" diameter ASTM A325 high strength bolts except where field welding is indicated on the drawings.

5. All welding shall conform to AWS D1.1-Latest edition. Welding electrodes shall be E70XX.

METAL DECK NOTES:

1. Steel floor deck shall be as indicated on plan by Vulcraft or approved alternate. Steel deck units shall conform with the latest edition of the "Design Manual for floor and roof decks" by the steel deck institute. Steel floor deck shall be galvanized in accordance with ASTM A525 G60 coating.

2. Fasten steel decking to all steel supports with 5/8" diameter puddle welds at 12" o.c. unless otherwise indicated on plan. Provide welding washers on all deck units 24 gage and lighter.

3. All welding shall conform to AWS D1.3-Latest edition. Welding electrodes shall be E70XX.

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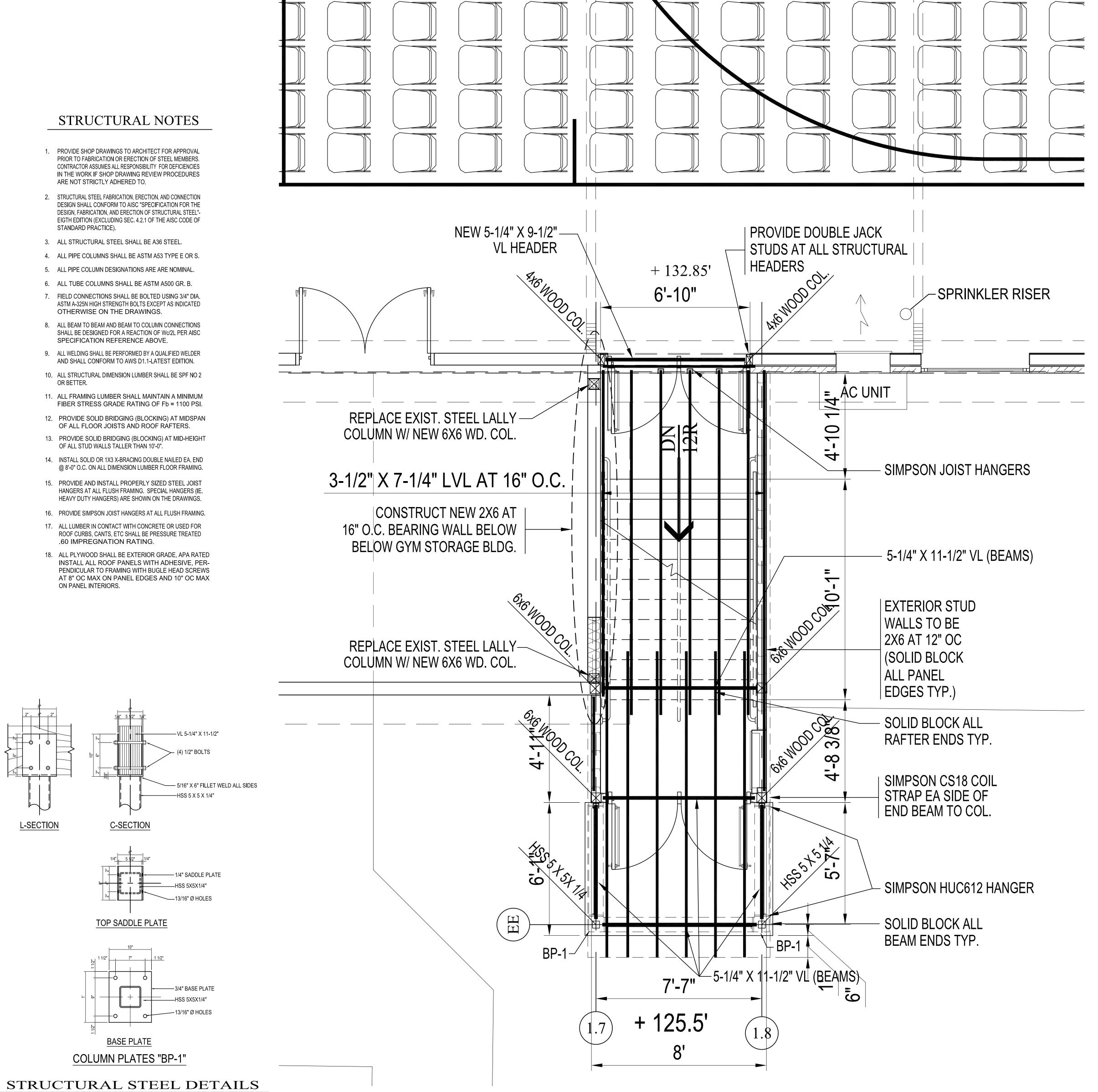
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REL. FOR PRICING & PERMITTING - JUNE 25, 2012 NOT FOR CONSTRUCTION



FR. HAYES STAIR RETROFIT PROJECT 695 STEVENS AVENUE PORTLAND, MAINE 04103





FR. HAYES STAIR - ROOF FRAMING PLAN

1/2" = 1'-0"

STRUCTURAL NOTES

1. PROVIDE SHOP DRAWINGS TO ARCHITECT FOR APPROVAL

ARE NOT STRICTLY ADHERED TO.

STANDARD PRACTICE).

OR BETTER.

PRIOR TO FABRICATION OR ERECTION OF STEEL MEMBERS.

CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR DEFICIENCIES

IN THE WORK IF SHOP DRAWING REVIEW PROCEDURES

2. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION

DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE

DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL"-

EIGTH EDITION (EXCLUDING SEC. 4.2.1 OF THE AISC CODE OF

3. ALL STRUCTURAL STEEL SHALL BE A36 STEEL.

4. ALL PIPE COLUMNS SHALL BE ASTM A53 TYPE E OR S.

5. ALL PIPE COLUMN DESIGNATIONS ARE ARE NOMINAL

6. ALL TUBE COLUMNS SHALL BE ASTM A500 GR. B.

OTHERWISE ON THE DRAWINGS.

SPECIFICATION REFERENCE ABOVE.

7. FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" DIA.

8. ALL BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS

9. ALL WELDING SHALL BE PERFORMED BY A QUALIFIED WELDER

10. ALL STRUCTURAL DIMENSION LUMBER SHALL BE SPF NO 2

11. ALL FRAMING LUMBER SHALL MAINTAIN A MINIMUM

12. PROVIDE SOLID BRIDGING (BLOCKING) AT MIDSPAN

OF ALL FLOOR JOISTS AND ROOF RAFTERS.

13. PROVIDE SOLID BRIDGING (BLOCKING) AT MID-HEIGHT

14. INSTALL SOLID OR 1X3 X-BRACING DOUBLE NAILED EA. END

15. PROVIDE AND INSTALL PROPERLY SIZED STEEL JOIST

16. PROVIDE SIMPSON JOIST HANGERS AT ALL FLUSH FRAMING.

17. ALL LUMBER IN CONTACT WITH CONCRETE OR USED FOR

.60 IMPREGNATION RATING.

ON PANEL INTERIORS.

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L-SECTION

ROOF CURBS, CANTS, ETC SHALL BE PRESSURE TREATED

18. ALL PLYWOOD SHALL BE EXTERIOR GRADE, APA RATED INSTALL ALL ROOF PANELS WITH ADHESIVE, PER-

PENDICULAR TO FRAMING WITH BUGLE HEAD SCREWS

AT 8" OC MAX ON PANEL EDGES AND 10" OC MAX

C-SECTION

TOP SADDLE PLATE

BASE PLATE

COLUMN PLATES "BP-1"

-HSS 5 X 5 X 1/4"

- 1/4" SADDLE PLATE

NOT TO SCALE

-13/16" Ø HOLES

@ 8'-0" O.C. ON ALL DIMENSION LUMBER FLOOR FRAMING.

HANGERS AT ALL FLUSH FRAMING. SPECIAL HANGERS (IE. HEAVY DUTY HANGERS) ARE SHOWN ON THE DRAWINGS.

OF ALL STUD WALLS TALLER THAN 10'-0".

FIBER STRESS GRADE RATING OF Fb = 1100 PSI.

AND SHALL CONFORM TO AWS D1.1-LATEST EDITION.

ASTM A-325N HIGH STRENGTH BOLTS EXCEPT AS INDICATED

SHALL BE DESIGNED FOR A REACTION OF Wc/2L PER AISC