I GENERAL

A. ALL CONSTRUCTION SHALL CONFORM TO THE CALIFORNIA BUILDING CODE 2013 EDITION w/ AMENDMENTS BY LOCAL JURISDICTIONS.

GENERAL STRUCTURAL NOTES

B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT OR ENGINEER.

C. OMISSIONS OR CONFLICT BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

D. DO NOT USE SCALED DIMENSIONS; USE WRITTEN DIMENSIONS OR WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

E. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT. F. FOR WATERPROOFING, FIREPROOFING, ETC. REFER TO DRAWINGS OTHER

THAN STRUCTURAL. G. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: KINDS OF FLOOR FINISH AND THEIR LOCATION. FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.

H. HOLES AND OPENINGS THROUGH WALLS AND FLOORS FOR DUCTS, PIPING AND VENTILATION SHALL BE CHECKED BY THE CONTRACTOR. WHO SHALL VERIFY SIZES AND LOCATION OF SUCH HOLES OR OPENINGS WITH THE PLUMBING HEATING. VENTILATING AND ELECTRICAL DRAWINGS AND THESE

I. NO PIPES AND DUCTS SHALL BE PLACED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.

DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING. THE SUBCONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO INSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, ENGINEER SHALL NOT RELIEVE THE SUBCONTRACTOR OF SUCH RESPONSIBILITY.

K. NOTE THAT SHEET S1 IS A STANDARD COVER SHEET AND AS SUCH, NOT ALL TYP. DETAILS AND OR NOTES APPLY TO EVERY PROJECT

II DESIGN CRITERIA

A. APPLICABLE CODE: CALIFORNIA BUILDING CODE 2013 & SFBC 2013

B. VERTICAL LIVE LOADS: (REDUCIBLE). ROOF: 20 PSF. FLOOR: 40 PSF. HALLWAYS & CORRIDORS: 100 PSF.

C. LATERAL LOADS:

1. WIND: 110 MPH. BASIC WIND SPEED 2. SEISMIC: SITE CLASS 'D' MAPPED SPECTRAL ACCELERATIONS: S_S=1.50

BASE SHEAR 'V' = .286 W

III MATERIALS A. CONCRETE:

1. REINFORCING STEEL: ASTM A615, GRADE 60, #4 AND SMALLER, GRADE 40.

2. CONCRETE: NORMAL WEIGHT U.O.N. WITH COMPRESSIVE STRENGTH OF THE FOLLOWING AT 28 DAYS: FOOTINGS, MAT SLAB & DRILLED PIERS - 3000 psi WALLS, COLUMNS — 5000 psi STRUCTURAL SLAB (L.W. P.T. SEE S3.2) ____ 5000 psi

3. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:

a. SURFACE POURED AGAINST GROUND 3" b. FORMED SURFACES BELOW GRADE 2"

c. SURFACES EXPOSED TO WEATHER 2" d. BEAM BARS (INCLUDING STIRRUPS) 1-1/2" e. ALL OTHER

4. ANCHOR BOLT EPOXY*: HILTI HIT-RE 500-SD. (ICC ESR-2322) OR SIMPSON SET-XP (ICC ESR-2508)

5. SCREW ANCHORS*: SIMPSON TITEN HD (ICC ESR-2713)

* USE COMPRESSED AIR TO BLOW THE DUST OUT OF ANCHOR BOLT HOLES.

B. CMU: UNITS 1500 PSI, MORTAR (TYPE 'S'), GROUT 2000 PSI

C. STEEL 1. SHAPES AND PLATES: ASTM A 36; TUBES: ASTM A500, GRADE B. 2. MOMENT FRAMES (BEAMS, COLUMNS): ASTM A992 OR

A913 (50 ksi) MOMENT FRAMES (PLATES): A572, GRADE 50.

3. METAL STUDS, SEE S1.4, NOTES

4. METAL JOISTS, 50 ksi 5. BOLTS: ASTM A307, U.O.N.

6. WELDING ELECTRODES: E-70 FOR FULL PEN WELDS USE CHARPY V-NOTCH WIRE, MIN. 20 ft # @ 0°F

7. METAL DECKING, SEE S1.5

D. WOOD 1. FRAMING LUMBER - DOUGLAS FIR LARCH a. HEADERS, PLATES, JOISTS: NO.1 b. STUDS, BLOCKING: NO.2 c. ALL LUMBER IN CONTACT WITH CONCRETE: PRESERVATIVE TREATED DOUGLAS FIR. (NOT CCA-C)

d. POSTS AND BEAMS: NO.1 2. PLYWOOD SHEATHING

a. SHEARWALL PLYWOOD : 1/2 INCH STRUCTURAL I, C-D EXTERIOR, APA RATED 32/16, SEE 6/S1.1A, SHEARWALL SCHEDULE FOR THICKNESS.

b. ROOF SHEATHING: 5/8 INCH STRUCTURAL II, C-D EXTERIOR APA RATED 32/16

c. FLOOR SHEATHING: 3/4 INCH STRUCTURAL II, C-D EXTERIOR APA RATED 48/24

3. FRAMING HARDWARE AND JOIST HANGERS: AS MANUFACTURED BY SIMPSON STRONGTIE CO. OR APPROVED EQUAL. SIMPSON DESIGNATIONS USED. USE NAILS PER I.C.C. APPROVAL FOR EACH DEVICE.

4. COMMON NAILS, UNLESS OTHERWISE NOTED. SHORT NAILS MAY BE USED PROVIDED THEY HAVE COMMON CODE SPECIFIED MINIMUM EMBEDMENT. ALL NAILING TO BE PER IBC TABLE NO. 2304.9.1 UNLESS NOTED OTHERWISE.

5. GLU-LAM BEAMS: 24F-V4 (Fb=2400 PSI)

6. PARALLAM & MICROLLAM BEAMS AND TJI'S TO BE FABRICATED BY TRUS JOIST.

7. FOR MICROLLAMS SEE CODE EVALUATION: ICC-ES ESR-1387 8. FOR TJI JOISTS SEE CODE EVALUATION: ICC-ES ESR-1153

IV EXPOSURE TO WEATHER

A. STEEL:

1. ALL EXPOSED MEMBERS SHALL BE COATED WITH A ZINC RICH

2. BOLTS, NUTS AND MISCELLANEOUS HARDWARE SHALL BE

GALVANIZED.

1. ALL EXTERIOR TIMBER AND GLU-LAM BEAMS SHALL BE PRESSURE TREATED (BUT NOT CHROMATED COPPER ARSENATE) OR WOOD OF NATURAL RESISTANCE TO DECAY.

2. ALL EXTERIOR HANGERS AND OTHER SIMPSON TYPE PRODUCTS SHALL BE GALVANIZED.

3. ALL PLYWOOD SHALL BE OF AN EXTERIOR GRADE.

4. METAL CONNECTORS IN CONTACT w/ PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED w/ MIN. ZINC COATING OF G185. 5. ALL NAILS & ANCHOR BOLTS IN CONTACT w/ PRESSURE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED.

V ABBREVIATIONS

B.N. — BOUNDARY NAILING S.A.D. — SEE ARCHITECTURAL DRAWINGS DIA. — DIAMETER E.N. — EDGE NAILING S.O.G. — SLAB-ON-GRADE S.S. — STAINLESS STEEL H.P. — HIGH POINT T.O. — TOP OF L.P. - LOW POINT LVL - LAMINATED VENEER LUMBER TYP. — TYPICAL U.O.N. — UNLESS OTHERWISE L.W. — LIGHT WEIGHT M.L. - MICROLLAM PLWD - PLYWOOD SHEATHING W.W.F. — WELDED WIRE FABRIC PSL — PARALLEL STRAND LUMBER P.T. — PRESSURE TREATED OR

POST-TENSIONED **SYMBOLS**

(E) WALL BELOW (E) WALL ABOVE

(N) CONC. WALL ABOVE BRICK OR CMU WALL ABOVE WOOD SHEARWALL (BELOW) WOOD JOIST HANGER

(HUS TYPE, U.O.N.) WOOD POST BELOW WOOD POST ABOVE (OR ABOVE & BELOW)

HOLDOWN @ WOOD POST

CONCRETE TOPPING OVER PLYWOOD CONCRETE TOPPING OVER CORRUGATED METAL DECK CONCRETE COLUMN ABOVE CONCRETE COLUMN BELOW

w/ DROPCAP DRILLED CONCRETE PIER PRECAST, PRESTRESSED CONCRETE PILE

H O STEEL COLUMN ABOVE

H O STEEL COLUMN BELOW

► MOMENT CONNECTION

DIAGONAL ABOVE

Dagonal Below

REVISIONS

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06/18/14 AS NOTED M.C. 9187

Sheet Of 4 Sheets

Drawn By:

City and County of San Francisco **Department of Building Inspection**

NOTICE

Please note that the Special Inspections shown on the approved plans and checked on the Special Inspections form issued with the permit are required for this project. The employment of special inspectors is the direct responsibility of the owner or the engineer/architect of record acting as the owner's representative.

SPECIAL INSPECTION REQUIREMENTS

Vivian L. Day, C.B.O., Director

These special inspections are required in addition to the called inspections performed by the Department of Building Inspection. The name of the special inspector shall be furnished to the district building inspector prior to start of work for which special inspection is required.

For questions regarding the details or extent of required inspection or tests, please call the Plan Checker assigned to this project or 415-558-6132. If there are any field problems regarding special inspection, please call your District Building Inspector or 415-558-6570.

Before final building inspection is scheduled, documentation of special inspection compliance must be submitted to and approved by the Special Inspection Services staff. To avoid delays in this process, the project owner should request final compliance reports from the architect or engineer of record and/or special inspection agency soon after the conclusion of work requiring special inspection. The permit will not be finalized without compliance with the special inspection requirements.

STRUCTURAL OBSERVATION REQUIREMENTS

Structural observation shall be provided as required per Section 1710. The building permit will not be finalized without compliance with the structural observation requirements.

Special Inspection Services Contact Information

Telephone: (415) 558-6132 Fax:

(415) 558-6474 dbi.specialinspections@sfgov.org Email:

In person: 3rd floor at 1660 Mission Street Note: We are moving towards a 'paperless' mode of operation. All special inspection

submittals, including final letters, may be emailed (preferred) or faxed. We will also be shifting to a paperless fax receipt mode.

> **Special Inspection Services** 1660 Mission Street - San Francisco CA 94103

SPECIAL INSPECTION AND STRUCTURAL OBSERVATION A COPY OF THIS DOCUMENT SHALL BE KEPT WITH THE APPROVED STRUCTURAL DRAWING SET

JOB ADDRESS_	711 PERU AVENUE	APPLICATION NO	ADDENDUM NO
OWNER NAME		OWNER PHONE NO. ()
		responsibility of the OWNER, or the	

as the owner's representative. Special inspector shall be one of those as prescribed in Sec.1704. Name of special inspector shall be furnished to DBI District Inspector prior to start of the work for which the Special Inspection is required. Structural observation shall be performed as provided by Section 1710. A preconstruction conference is recommended for owner/builder or designer/builder projects, complex and highrise projects, and for projects utilizing new processes or materials.

In accordance with Sec. 1701;1703;1704 (2010 SFBC), Special Inspection and/or testing is required for the following work:

1. [X Concrete (Placement & sampling) 6. [] High-strength bolting 18. Bolts Installed in existing concrete or masonry: 2. X Boits installed in concrete 7. [] Structural masonry 8. [] Reinforced gypsum concrete 3. [] Special moment -Resisting concrete frame 9. [] Insulating concrete fill 4. [X Reinforcing steel and prestree 10. [] Sprayed-on fireproofing Structural welding: I Piling, drilled piers and caissons A. Periodic visual Inspection X Single pass fillet welds 5/16" or smaller 13. X Special grading, excavation and filling (Geo. Engineered) Welded studs 14. [] Smoke-control system Cold formed studs and joists [] Exterior Facing Stair and railing systems Reinforcing steel Retrofit of unreinforced masonry buildings: B. Continuous visual inspection and NDT

[] Concrete [] Masonry [] Pull/torque tests per SFBC Sec.1607C & 1615C Testing of mortar quality and shear tests

19. [] Shear walls and floor systems used as 20. [] Holdowns Inspection of repointing operations

Installation inspection of new shear bolts

All other welding (NDT exception: Fillet weld) Reinforcing steel; and [] NDT required

21. Special cases: Underpinning: [] Not affecting adjacent property 22. [] Crane safety (Apply to the operation of] Pre-installation inspection for embedded bolts

shear diaphragms

Affecting adjacent property: PA

tower cranes on highrise building) (Section 1704.20) 23. [] Others: *As recommended by professional of [] Pull/torque tests per SFBC Sec.1607C & 1615C

24. Structural observation per Sec. 1710 (2010 SFBC) for the following: [X Foundations X Steel framing X Concrete construction [] Masonry construction [] Wood framing

25. Certification is required for: [] Glu-lam components Phone: (415, 642-7722 RODRIGO SANTOS

Engineer/Architect of Record Required information

(Section 1704)

Moment-resisting frames

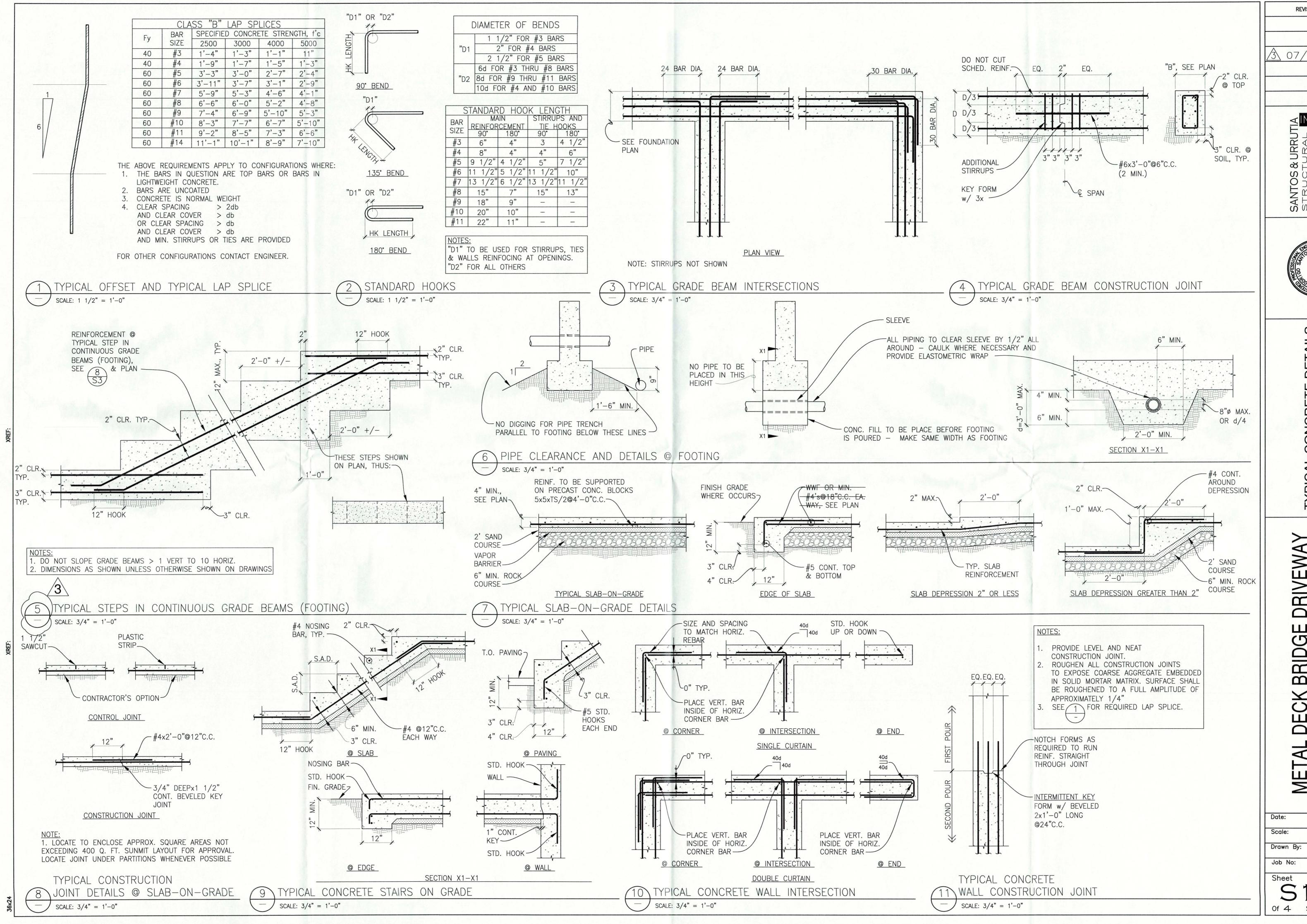
DBI Engineer or Plan Checker

APPROVAL (Based on submitted reports.)

DBI Engineer or Plan Checker / Special Inspection Services Staff

QUESTIONS ABOUT SPECIAL INSPECTION AND STRUCTURAL OBSERVATION SHOULD BE DIRECTED TO: Special Inspection Services (415) 558-6132; or, dbi.specialinspections@sfgov.org; or FAX (415) 558-6474

Office (415) 558-6132 - FAX (415) 558-6474 - www.sfdbi.org



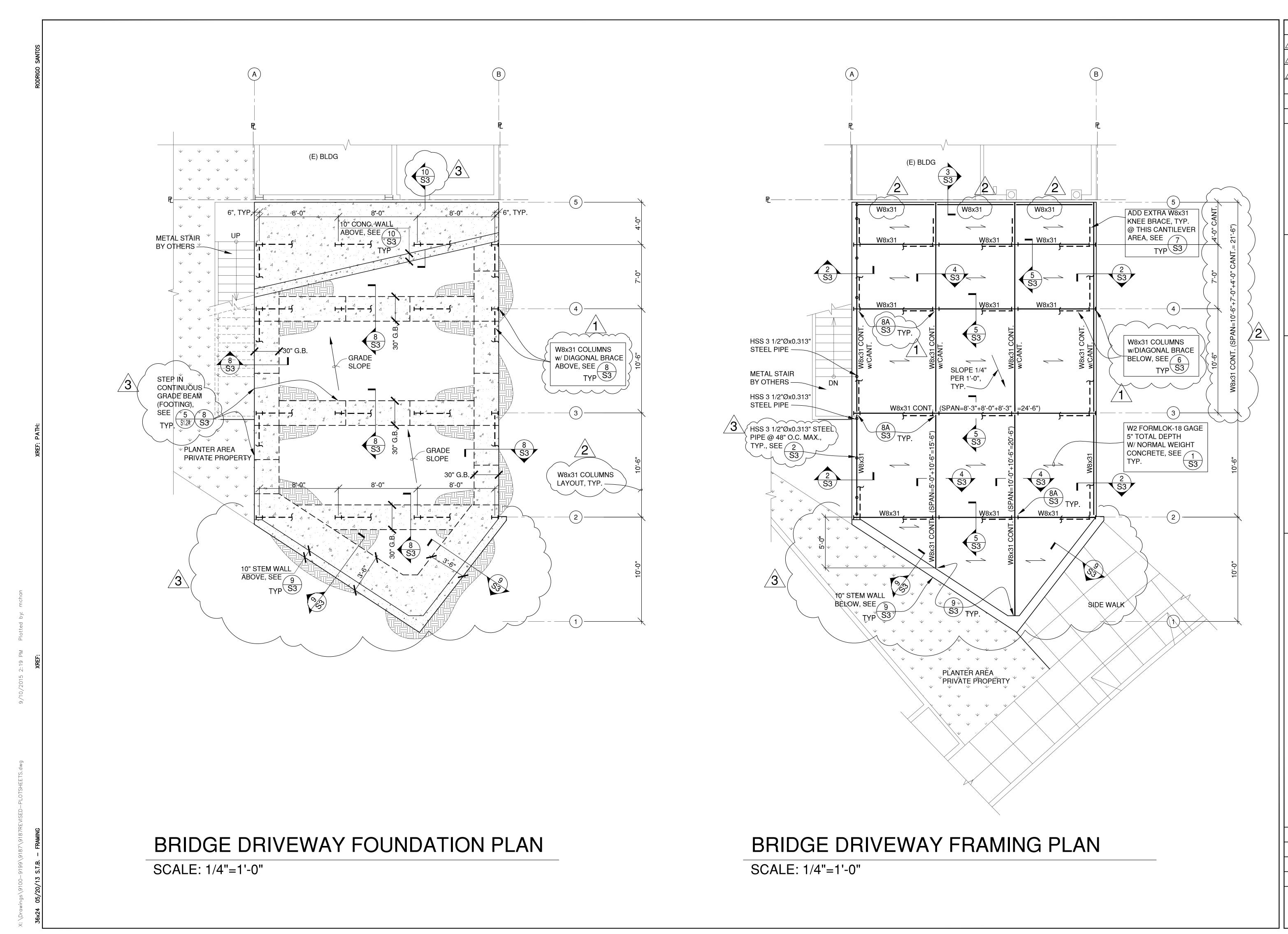
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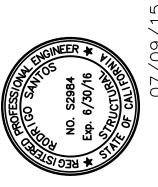
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BRIDGE DRIVEWAY FOUNDATION PL BRIDGE DRIVEWAY FRAMING PL

L DECK BRIDGE DRIVEWAY

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