

STRUCTURAL NOTES:

CODE: Comply with the 2003 International Building Code.

DESIGN LOADS:

Dead Loads: Roof = 15.0 psf, Floor = 10.0 psf.
Live Loads: Roof = 45.0 psf (Plus Drift), Unit Floor = 40.0 psf, Corridors = 100.0 psf.
Wind Load: Building = 32.0 psf

FOUNDATIONS:

- Bear footings on firm, undisturbed dense native soil at 4'-0" minimum below lowest adjacent finish or natural grade, which ever is lower.
- Assumed soil bearing pressure = 2,000 psf.
- Protect foundation concrete on base, from dry burning material.
- Engines shall be notified if stone ledge or granite clay is found during excavation.

CONCRETE:

- Concrete regular weight (144 psf) with Type II cement per ASTM C150, aggregate per ASTM C33, and potable water. No fly-ash permitted in floor slab. Aggregate size = 1" maximum for footings and slab. Minimum compressive strength = 3000 psi for foundations and slab on grade and 4,000 psi for exterior slabs and sidewalks.
- Saw cuts for floor slab control joints shall be made as soon as the slab can support the weight of the saw, but no more than 12 hours after placing concrete.

REINFORCING:

- ASTM A 615 S1, Grade 60 except #2 and #3 bars ASTM A615 S1, Grade 40.
- Lap applies in concrete: #2 bar diameters.
- Provide bent corner reinforcing to match and lap with horizontal reinforcing at corners and intersections of walls and footings.

STEEL:

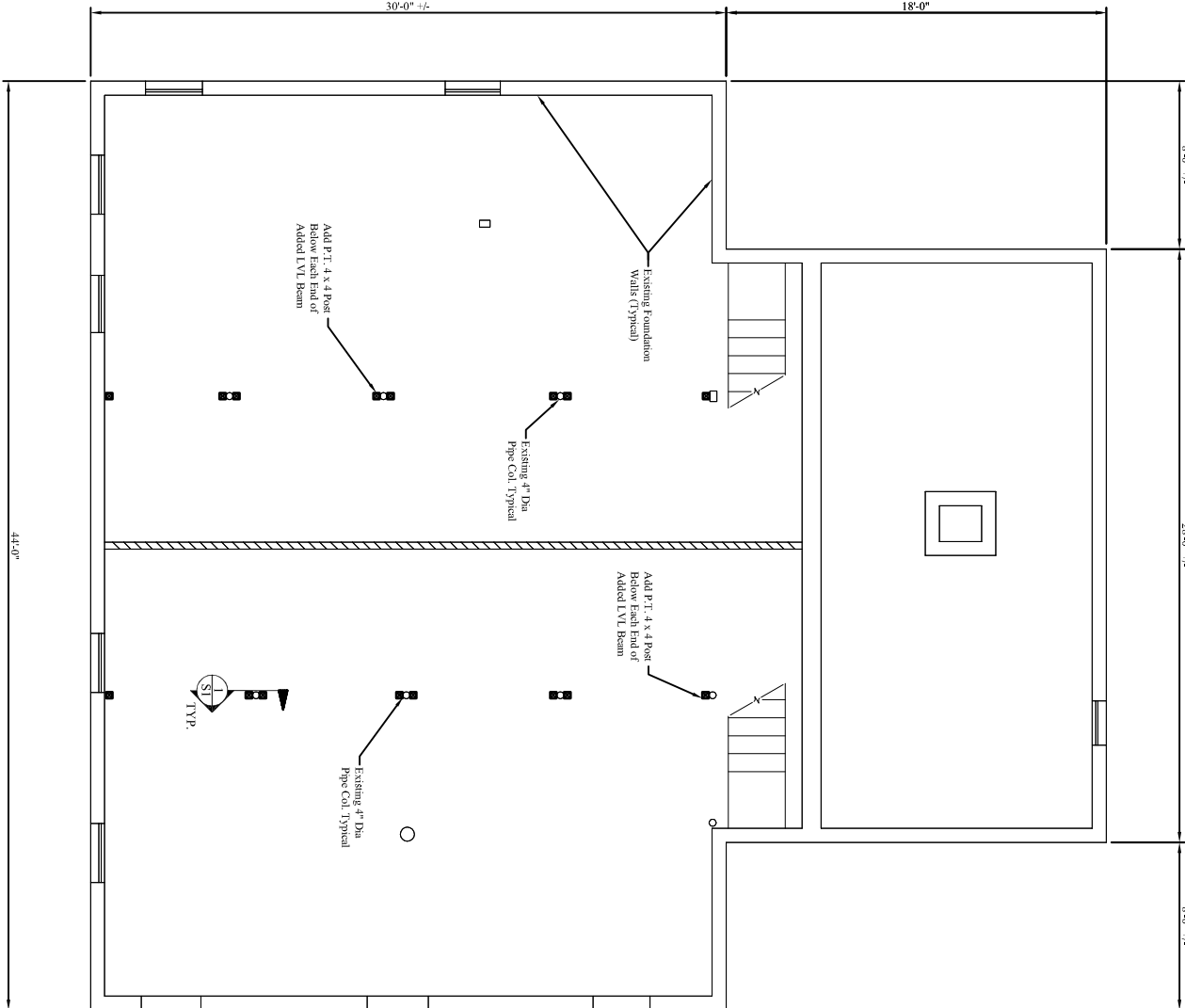
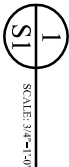
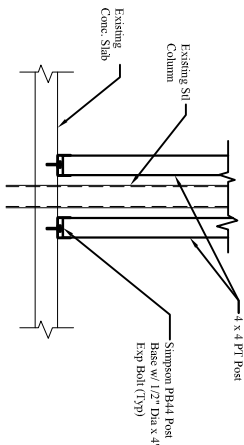
- Rolled sections and plates: ASTM A-36, Fy = 36 ksi.
- Steel Pipe Columns: ASTM A-36, Fy = 36 ksi.
- Bolts and plate anchors: ASTM A 307.

WOOD:

- General:
 - Each piece of lumber shall be "S-DRY" and bear the grade stamp of a grading rules agency approved by the American Lumber Standards Committee.
 - Double up studs at joints and under beams.
 - Do not notch or drill joists, beams or load bearing studs without approval.
- Connections:
 - Nail roof plywood with 8d common at 6" o.c. at all edges and boundary members and 10" o.c. at intermediate supports.
 - Sub-floor plywood to all framing members and nail with 8d common at 6" o.c. at all plywood edges and boundary members and 10" o.c. at intermediate supports.
 - Nail wall plywood with 10d common nails at 6" o.c. at all edges and boundary members and 12" o.c. at intermediate supports.
- Structural Sawn Lumber:
 - 2 x 6 thru 2 x 14 joist: Spruce Pine Fir No. 2 with Fb (repitive) = 1200 p.s.i.
 - Stud: Spruce Pine Fir No. 2 with Fb (repitive) = 1200 p.s.i.
 - Laminated Veneer Lumber (LVL): Fb = 2800 psf, Fv = 285 psf, E = 2,000 ksi
- Plywood:
 - Roof Sheathing: C-D (NT-MPA (PSI-54) with exterior glue: 1/2" with Identification Index 48/24. Lay up with face grain perpendicular to supports. Sagger joints: Each plywood piece to be continuous over a minimum of two supports and 12" over the next support. Plywood shall be fastened with 8d nails at 12" on center with face grain perpendicular to supports. Sagger joints: Each plywood piece to be continuous over a minimum of two spans with a minimum width of 1'-0" unless blocking is provided at all joints.

SUPPLEMENTARY NOTES:

- Verify all dimensions and conditions with architectural drawings prior to starting work. Notify the Engineer of any discrepancies or inconsistencies.
- Provide all necessary temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold structural elements in place during construction.



FOUNDATION NOTES:

- SEE STRUCTURAL NOTES, SHEET S-1.
- BUILT-UP BEAMS SHALL BE SPIRED w/ 3 ROWS OF 16d NAILS @ 12" o.c.
- PROVIDE METAL HANGERS AT ALL FINISHED FRAMED JOIST CONNECTIONS.
- FIELD VERIFY EXISTING FRAMING LAYOUT. CONTACT ENGINEER IF ANY PORTION OF LAYOUT IS SHOWN INCORRECTLY ON THESE DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

FOUNDATION PLAN

SCALE: 1/4"=1'-0"



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FOUNDATION PLAN & NOTES

DESIGNED BY:
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DRAWN BY:
LAW

CDSR NO.:
02606

DATE:
09-20-06

REVISIONS:
A 12-12-06

SHEET:
S1