

SHEET INDEX

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CODE ANALYSIS:

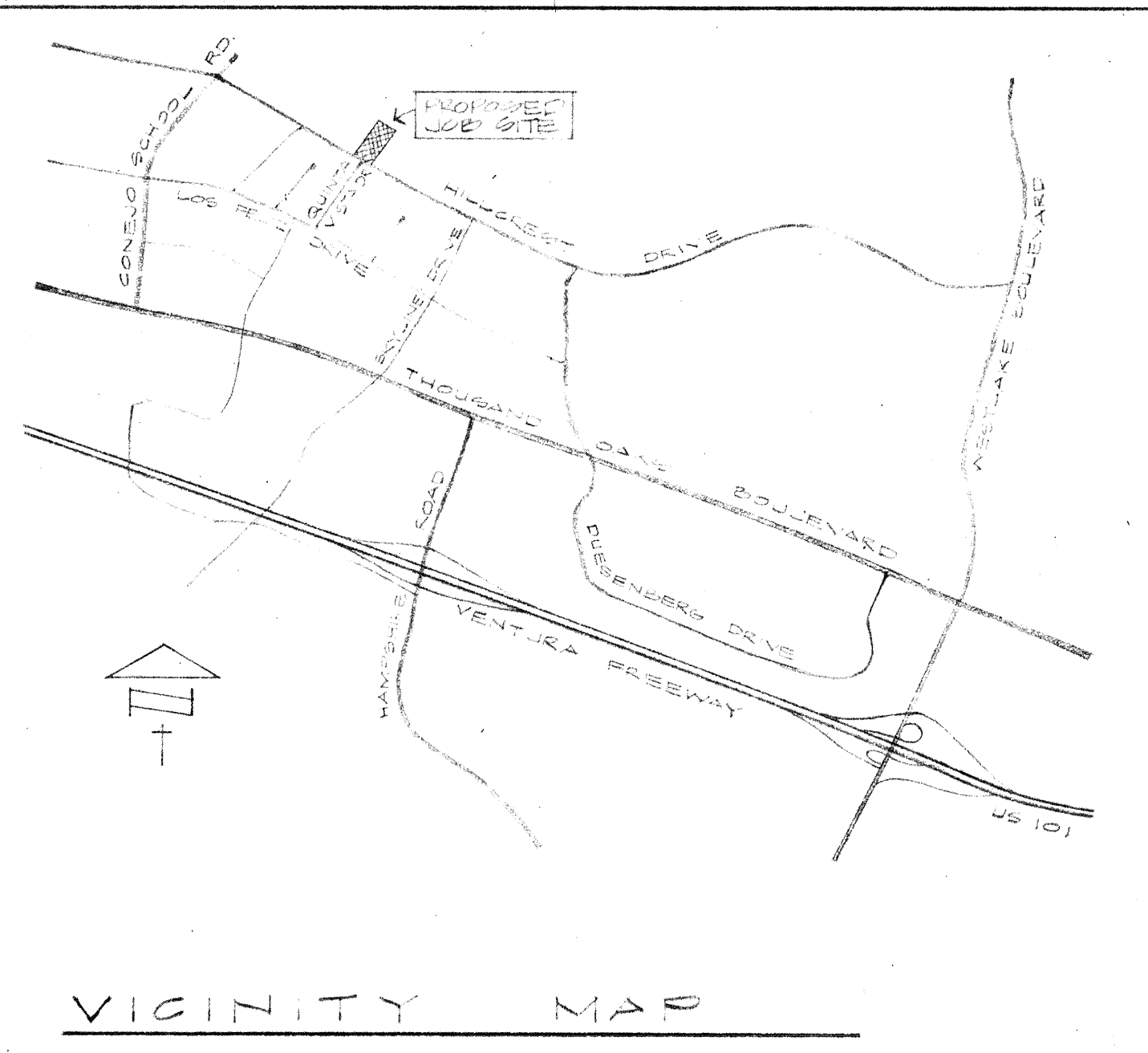
- UNIFORM BUILDING CODE - 1973 EDITION
- CITY OF THOUSAND OAKS BUILDING ORDINANCE - 1975 EDITION
- FIREZONE 3
- OCCUPANCY 212 (B.C. FUTURE)
- CONSTRUCTION TYPE B, 1-HOUR (THRU-OUT)
- ALLOWABLE AREA (200 OCCUP.): 1000 SQ. FT. (1,480 SQ. FT. MAX. AREA)
- ACTUAL FLOOR AREA: 8975 SQ. FT.
- CONFORM TO LANDSCAPE ORDINANCE

GENERAL NOTES

- All work shall conform to City of Thousand Oaks Codes and Ordinances, and all state and federal laws.
- All electrical work shall conform to the National Electric Code and City Ordinances. All plumbing work shall conform to the Uniform Plumbing Code, (appendix D), and City Ordinances.
- Concrete shall have f'c = 2500 psi at 28 days.
- Clearances for reinforcing steel shall be 3" where concrete is deposited against soil and 2" where exposed to soil or weather.
- Reinforcing steel to be intermediate grade conforming to ASTM Spec. A-615-40, and A-615-60. Minimum lap to be 36 dia. or 24". Welded wire fabric shall conform to ASTM Spec. A-185, lap 6" on all edges.
- Structural steel to comply with ASTM A-36. All accessories to be approved by Building Department.
- All steel pipe to be grade B-ASTM A-53 Type E or S; square and rectangular tubing to be grade B-ASTM A500 or A501.
- Field welding is at half stress and shall be done by certified welders.
- All substitutions subject to Building Department approval.
- All masonry units shall comply with Chapter 24, UBC; Grade "A" units to comply with ASTM C-90-66. Mortar shall be Type "S" f'c = 2000 psi, mix 1:3:3 (Lime). Grout mix to be 1:2 (pea gravel):3 f'c = 2000 psi.
- All timber to be Douglas Fir Larch S4S unless noted otherwise & shall conform to 1970 Standard Grading Rules for Western Lumber by WPA. All framing members to be stress grade #2 unless otherwise indicated. All lumber to be grade marked as called for below:

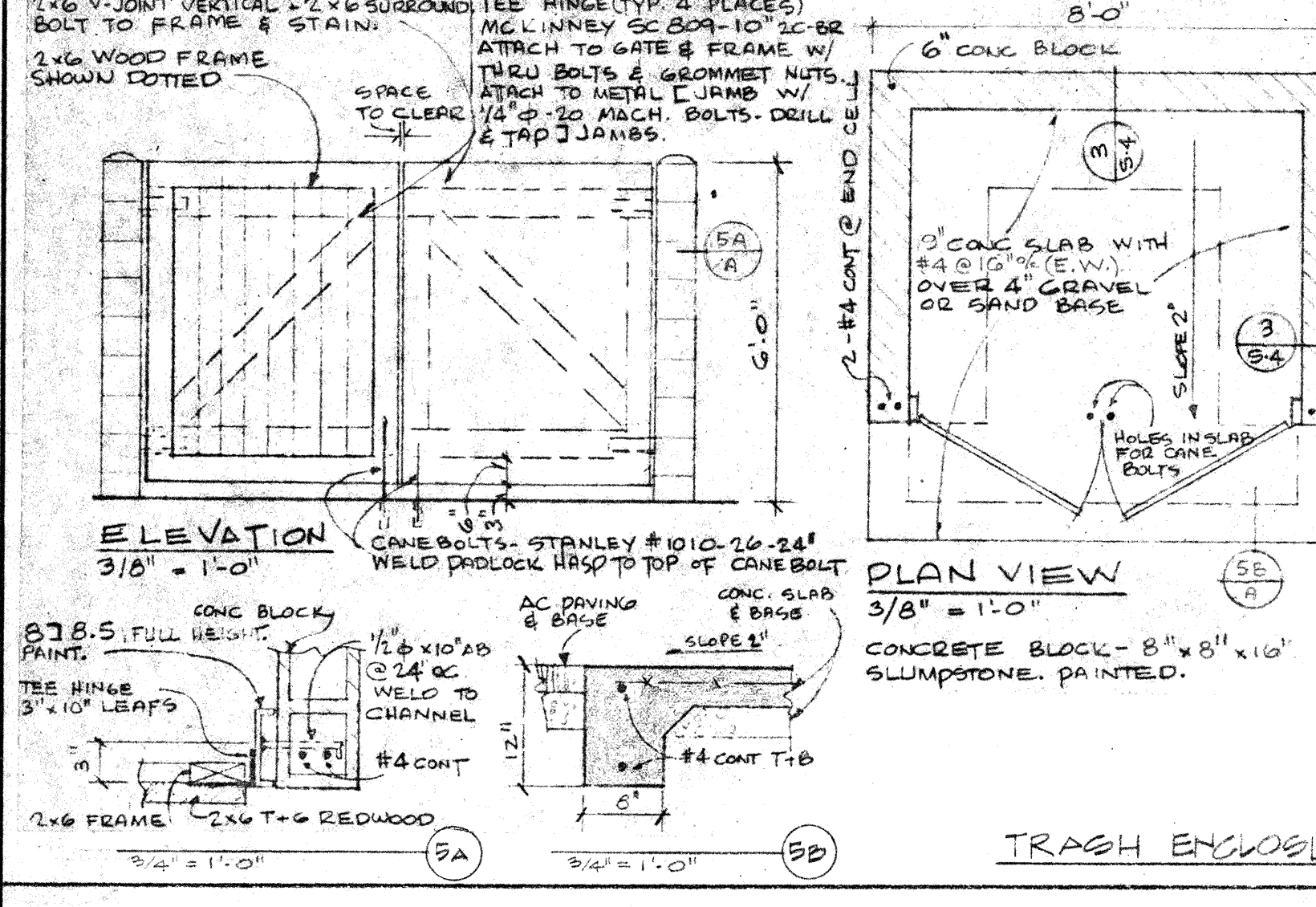
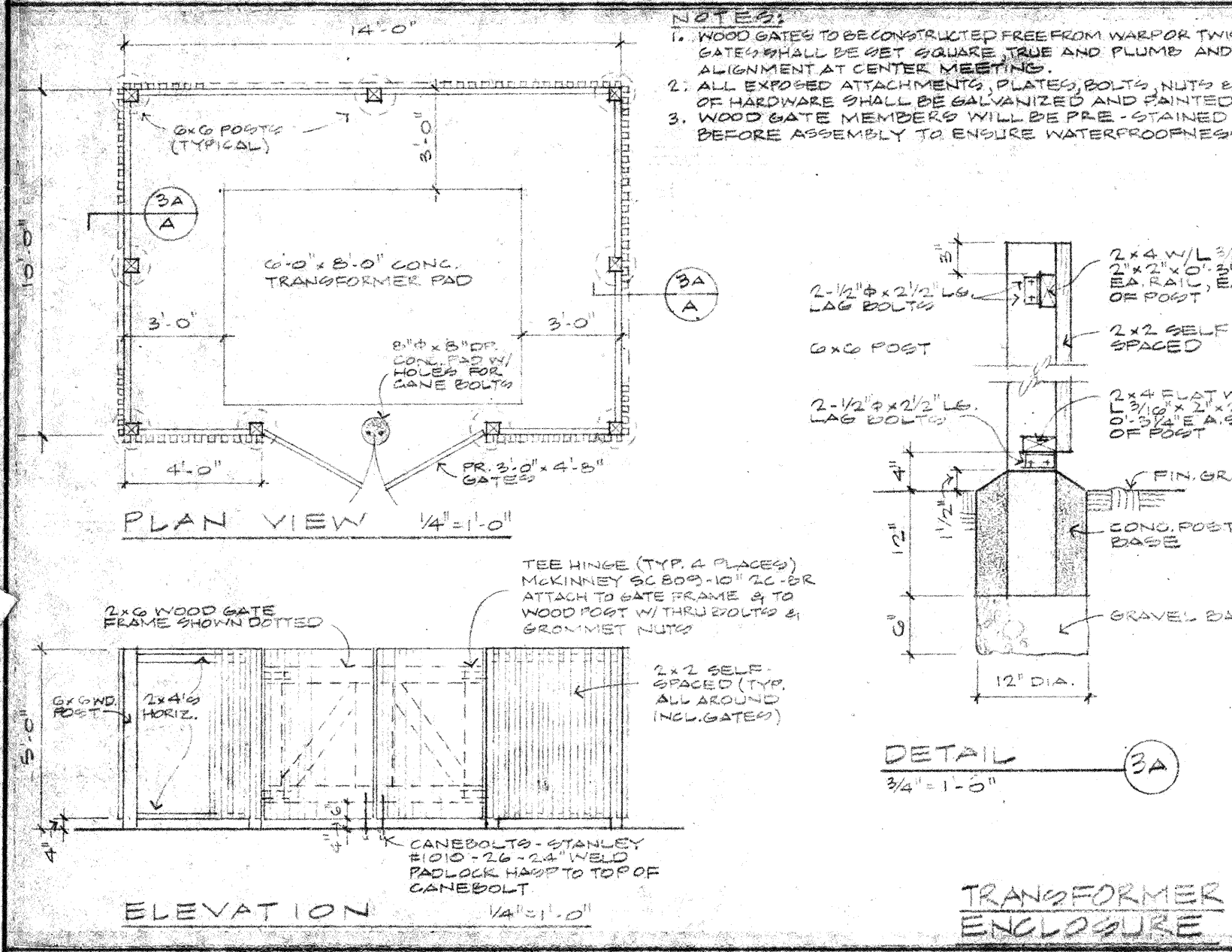
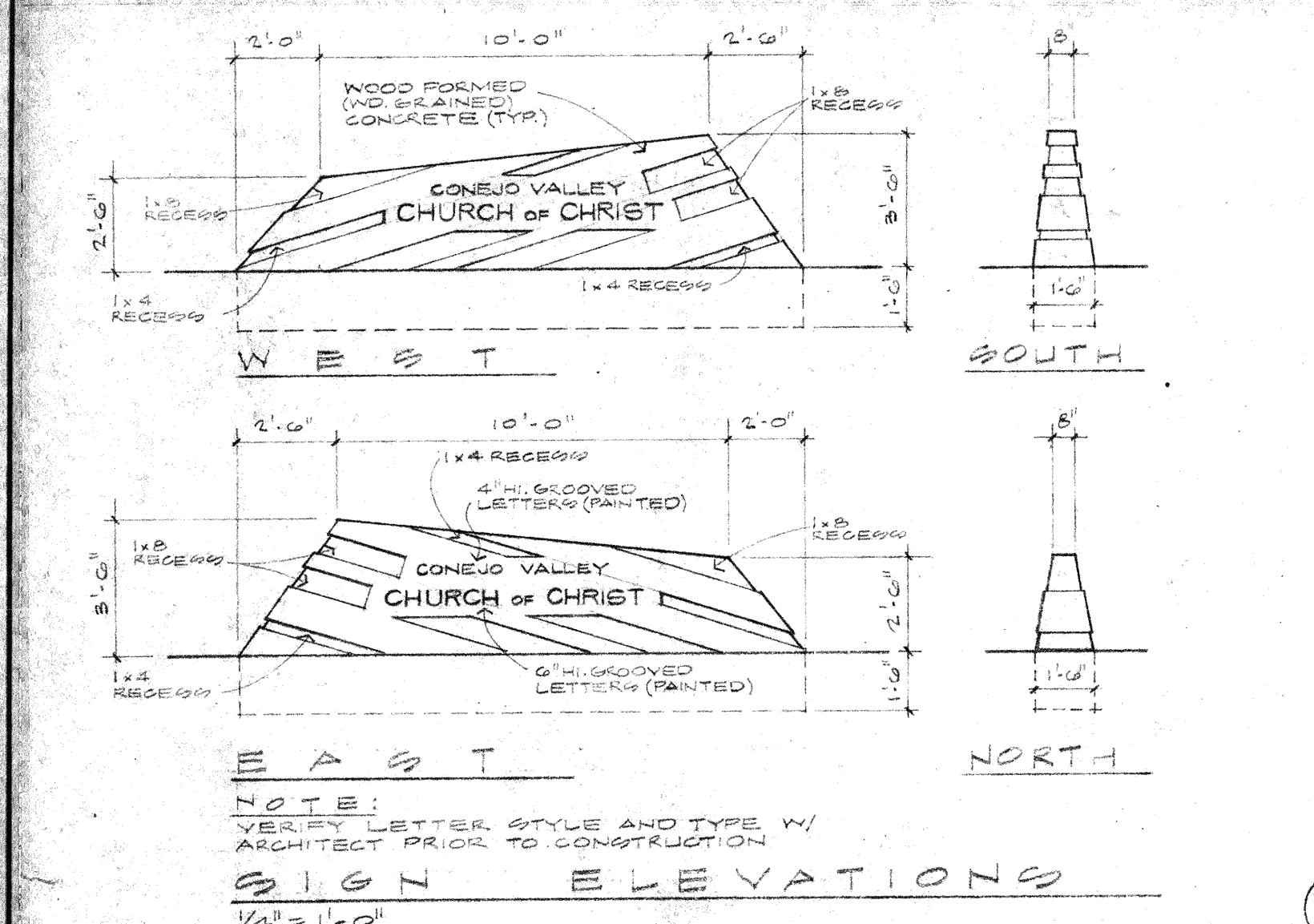
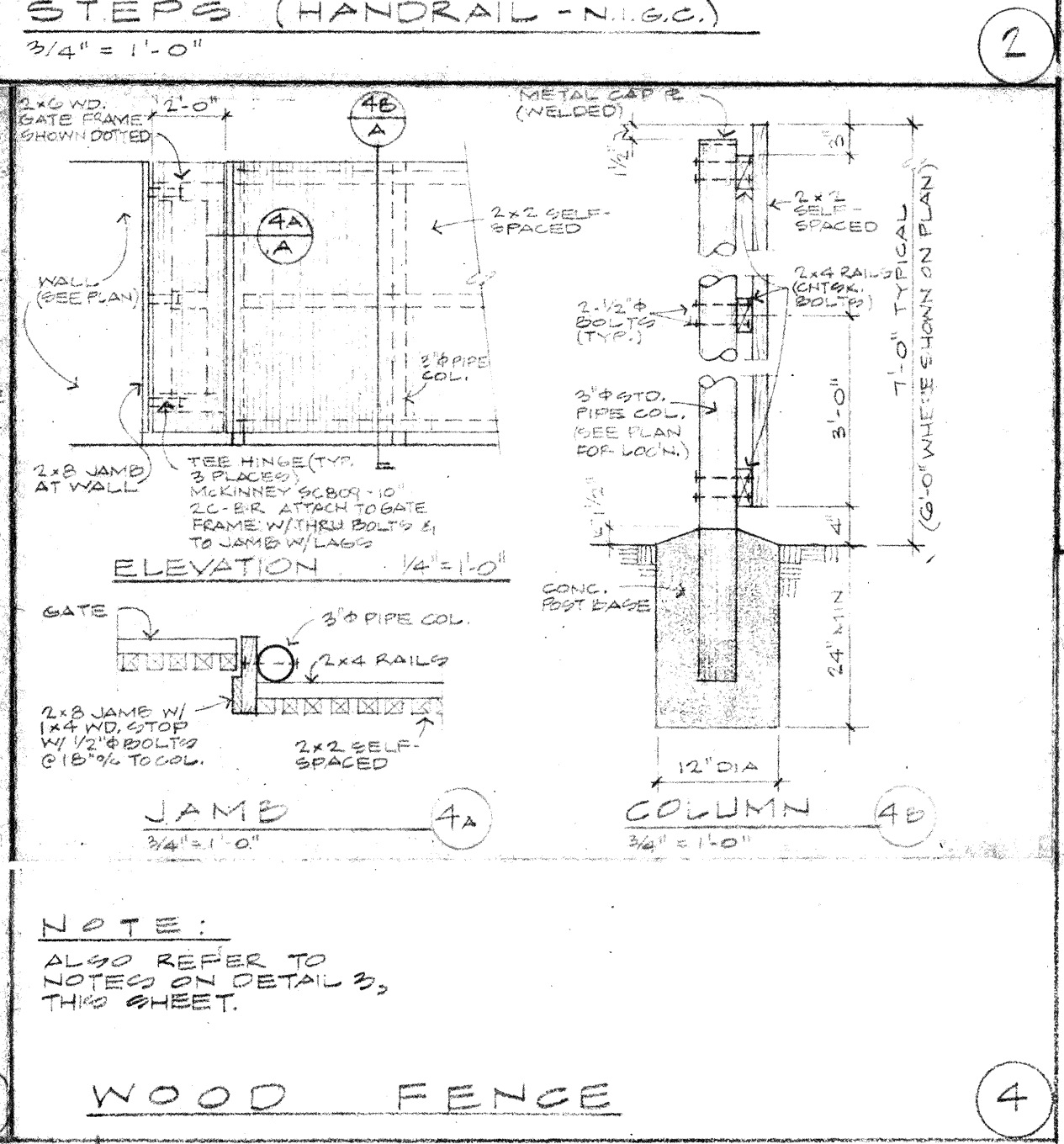
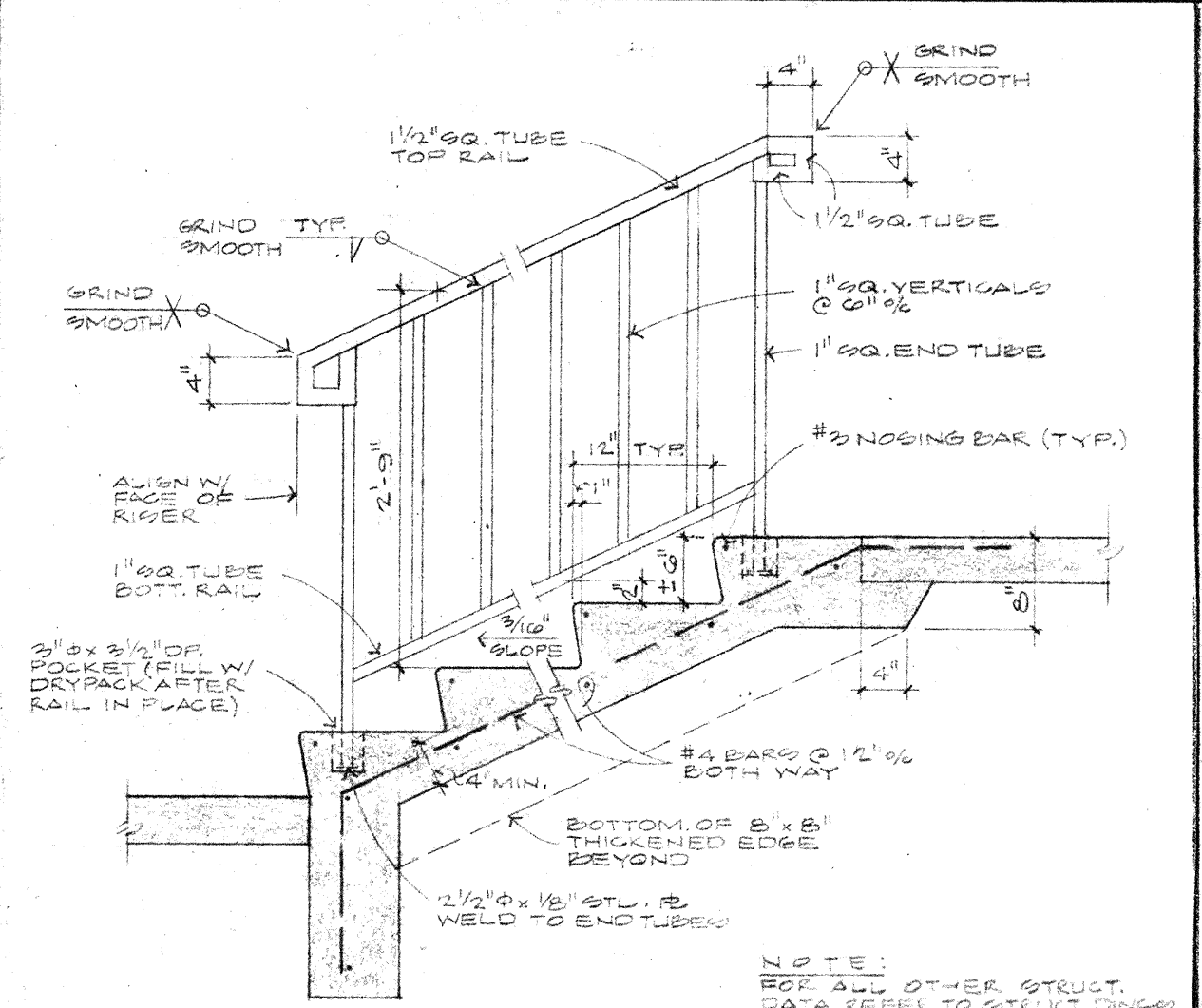
Category	Grade
Structural Light Framing	No. 1
Light Framing	Construction
Joists and Planks	No. 2
Beams and Stringers	No. 1
Posts and Timbers	No. 1
- All plywood shall be Structural I, complying with PS-1-74, exterior grade. All plywood shall be graded and stamped by the DFPA. Plywood to have surface grain perpendicular to supports and joints shall be staggered.
- All lumber in contact with concrete or masonry shall be redwood or pressure treated Douglas Fir.
- Blocking shall be as follows:
 - 3-blocks from each opening and corners
 - Fire wall at midheight
 - Midheight over 8'-0"
 - Rafters (2" thick) over 8" deep
 - Joists (2" thick) over 4" deep, at each end and at supports
 - Between supporting rafters at 10'-0"
 - Between supporting joists at 8'-0"
- All nailing to conform to UBC.
- All plywood diaphragms to be nailed as follows:

Loca- tion	Thick- ness	Common Nails	Margin Nail	Edge Nail	Interm. Nail	Grade Index
Roof	3/4"	10d	4	4	12	Std. 46/24
Soffit	5/8"	10d	4	6	12	Std. 42/20
Walls	5/8"	10d	4	6	12	See Plywd. spec. on dwgs.
	3/8"	8d	6	6	12	Std. 24/0
	1/2"	10d (See Structural Drawings)				32/16
- All openings shall be flashed and counterflashed as per Section 1707b and Section 3207, UBC.
- Glass shall conform to UBC Chapter 54, and City Ordinances.
- Floor or landing on each side of a door shall be not more than one inch lower than threshold of the door.



SOIL AND FOUNDATION NOTES

- Prior to placement of any new fill, excessive debris or vegetation should be stripped and the remainder disked as necessary. Any old fill encountered during the grading should be removed and replaced as a certified compacted fill.
- Sanctuary Building:
 - After excavating the pad to grade, the soils in cut areas should be tested and all natural soil less than 92% relative compaction should be removed until such soil is exposed. It should then be replaced as a compacted fill at a minimum of 95% relative compaction.
 - Natural soil in areas to receive fill should be excavated until soil exhibiting a minimum relative compaction of 92% is exposed, or until firm bedrock is encountered. The excavated should then be replaced as a compacted fill, at a minimum of 95% relative compaction. The operation should be conducted within the building area and ten feet in each direction.
- Parking Area: In parking areas, the upper 12 to 18 inches of soil should be cleansed of debris and vegetation, brought to proper moisture content, and recompact to a minimum of 90% relative compaction.
- Fill soils should be cleansed of debris and vegetation, brought to near optimum moisture content, and recompact in six to eight inch lifts to at least 90% relative compaction (or higher, as noted above). Grading operations should be inspected and tested in accordance with City of Thousand Oaks standards. Cuts should be inspected by a geologist to verify their favorable orientation.
- Foundation Design: Foundation may be designed to impose an allowable soil bearing pressure of 2000 lbs./sq. ft. at 12 inches minimum depth. This value may be increased by 1/3 for wind or seismic loads. Foundations so designed should undergo differential settlements of less than 1/4 inch, when the building pad is prepared as recommended and foundation is designed as recommended below.
- Foundations should be designed to comply with requirements of the City of Thousand Oaks, Table 29-A-2 for buildings within the 8%-12% expansive soil category. However, the slab should be thickened to 5.0 inches in lieu of 4.0 inches.



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