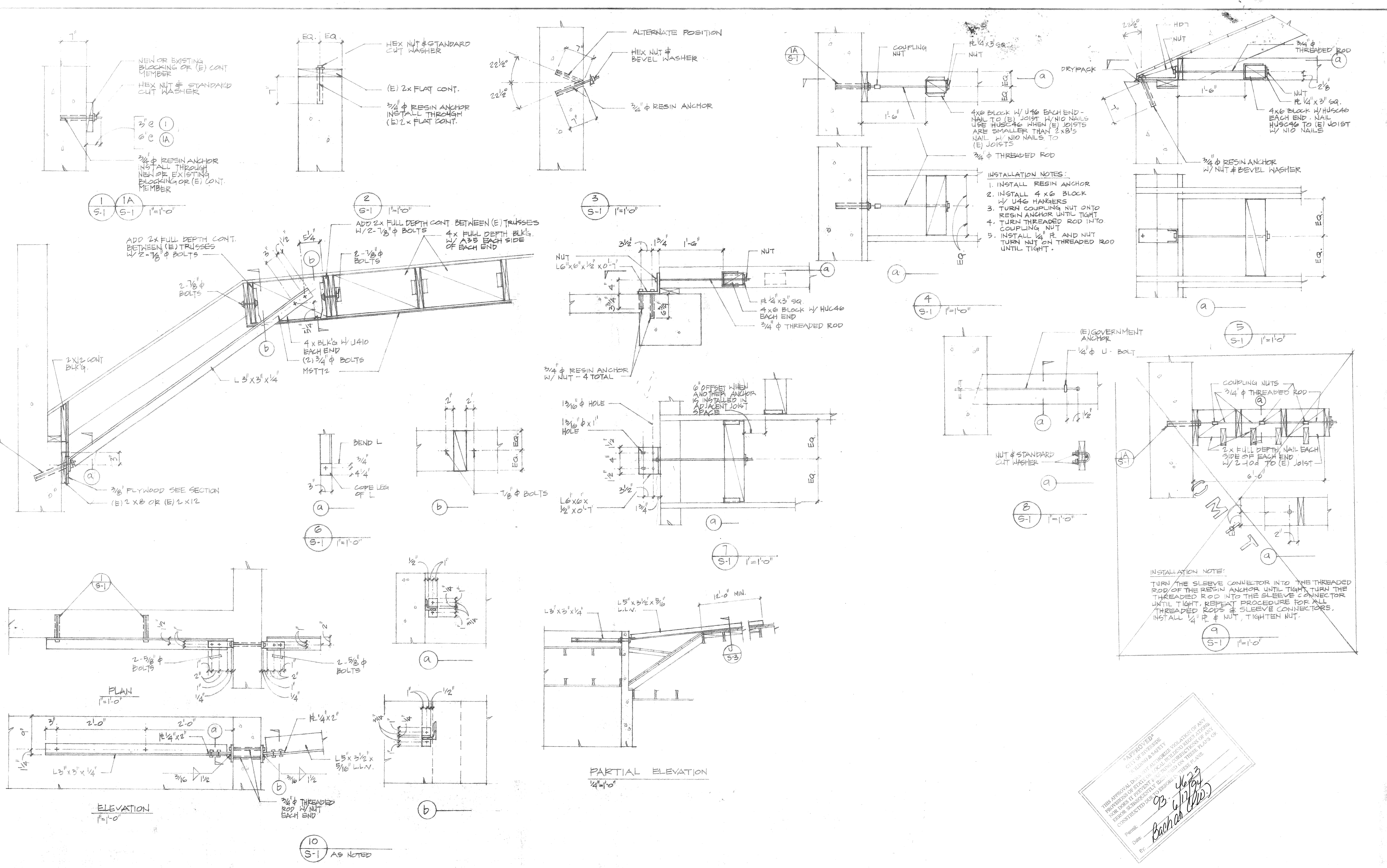


GENERAL NOTES

GENERAL

1. This is an earthquake hazard reduction project on a reinforced concrete structure with wood framed floors and roofs.
2. The determination of earthquake hazards and analysis is in accord with the 1991 Edition of Uniform Code for Building Conservation.
3. All work shall conform to the 1991 Edition of the Uniform Building Code. Code shall refer to the 1991 Edition of Uniform Building Code.
4. Verify all existing conditions and dimensions before starting the work. Notify the engineer of any discrepancies before proceeding.
5. Existing finishes are not shown. The work as shown in the construction documents shall not disturb existing ceilings.
6. These construction documents are based on the existing drawings and on field investigations by the engineer. The field investigations confirm the conditions shown on the existing drawings or discovered the conditions shown.
7. Alternative products to those specified may be proposed for use. Submit a written request for use of the alternative product to the Engineer. The submittal shall contain manufacturers data and ICBO Report. Do not use the alternative product without the Engineer's acceptance.

EXISTING CONSTRUCTION

1. Holes into existing concrete shall be made with non-impact rotary equipment.
2. Drilling or cutting equipment shall not be anchored to architectural finishes.
3. The construction documents show the completed construction. Provide shoring and temporary supports as required to accomplish the work before removing existing supports.
4. Penetrations into existing construction shall not cut existing framing members unless detailed in the construction documents. Determine the location of existing framing members before starting the penetration.
5. Resin anchors in existing concrete shall be Covert Operations CIA Epoxy Anchors. Holes in existing concrete drilled vertically shall be filled with CIA Fluid Epoxy. Holes in existing concrete drilled horizontally or 22-1/2 degrees from horizontal shall be filled with CIA Gel Epoxy. Installation and special inspection of installation of epoxy anchors in existing concrete shall conform to ICBO Evaluation Report No. 4846. Anchor material shall be threaded rod conforming to ASTM A307.
6. Drypack shall be a 1 to 3 mix of cement and masonry sand. The material shall have sufficient water added so that it forms a ball when squeezed in the hand.
7. Masonry sand shall conform to ASTM C-144.
8. Cement shall conform to ASTM C-150, Type II Portland cement.

ROUGH CARPENTRY

1. All lumber shall be Douglas Fir of the following grades:
   Boards, nominal sizes up to 1-1/2" thick, 2" and wider; Construction, WCLIB para. 118-b.
   2"-4" thick, 4" wide; Construction Light Framing, WCLIB para. 122-b.
   2"-4" thick, 5" and wider; No. 1 grade, WCLIB para.123-b.
2. Framing connectors indicated, except for HD5 and HD7, are Simpson "Strongtie". Install nails or bolts recommended by the manufacturer in each hole.
3. Framing connectors indicated as HD5 and HD7 are Harlen Metal Products, Inc.
4. Wood screws shall be installed by turning, not driving, into lead holes. The lead hole for the shank shall be the same depth as the length of the shank and the lead hole for the threaded portion of the wood screw. For #14 wood screws, the lead hole shall be 7/32" diameter for the shank and 7/64" diameter of the threaded portion. For #16 wood screws, the lead hole shall be 15/16" diameter for the shank and 9/64" diameter for the threaded portion.
5. Bolts, nuts and threaded rods shall conform to ASTM A307. Holes for bolts in wood shall be drilled the same size as the bolt. Install a standard cut washer under the head or nut bearing on wood.
6. Nailing not noted shall conform to Table No. 25-Q of the Code. All nails shall be common. Use pilot holes 3/4 of the nail diameter as required to prevent splitting.
7. All plywood shall be C-D grade, Structural I, with exterior glues conforming to PS 1. Install plywood with face grain perpendicular to supports.
8. Blocking shall be fitted between framing members. A maximum of 1/8" difference of the length of the blocking and the space between joists is allowed. Toenail blocking with 2-10d nails each end minimum.
9. Replace 1 X 6 boards as follows;
   a. Butt joints between adjacent boards shall be offset by one joist space minimum.
   b. Butt joints on any one rafter shall be separated by a 1 X 6 board that extends two joist spaces minimum in each direction.
   c. 1 X 6 boards shall be installed with a maximum of 1/8" between boards at each support.
   d. Nail each 1 X 6 board to each support with 2-8d nails

STRUCTURAL STEEL

1. Structural steel plates and shapes shall conform to ASTM A36. Steel plates less than 3/16" in thickness shall have a minimum yield strength of 33,000 psi.
2. Bolts and nuts shall conform with ASTM A307.
3. SEE BELOW ~~Welding shall conform to AWS D1.1-86 and shall be done by qualified welders. Electrodes shall conform to AWS A5.1-E70XX. All field welding shall have continuous inspection. All shop welding shall be performed in the shop of a licensed fabricator.~~
4. Holes for bolts shall be drilled or punched. Burning of holes shall not be permitted.
5. Coupling nuts shall be C2T Stop Type couplings as manufactured by Williams Form Engineering Corporation.
6. Bevel washers shall be 3/4" inch diameter X 1-3/4" o.d. x 22 degrees as manufactured by Hilti, Inc.

PERMIT CONDITIONS

1. The contractor shall not, during repair work:
   a. Allow building strength to be substantially weakened.
   b. Make unavailable or obstruct required exits.
   c. Make non-operational required fire-safety devices, such as sprinklers, standpipes, or alarms.
2. The stamped set of plans and specifications shall be kept on the job site and shall be available to authorized representative of the Building Department. There shall be no deviation from the stamped plans and specifications without approval in writing by the Engineer and Building Department.
3. Where public utility lines or equipment must be removed and/or relocated, obtain the necessary approvals from the utility owner prior to starting work.
4. A separate permit shall be secured for all electrical, plumbing, and heating/ventilation work.
5. Construction safety provisions in accordance with Chapter 44 of the Code, shall be provided and approved by the Building Inspector prior to starting work on the building. Permits for protective fences and/or canopies constructed on the public property must be secured from Street Use Inspection Division of the Department of Public Works.
6. The Deputy Inspector for special inspections shall notify the engineer before inspecting any work. The inspector shall submit to the engineer inspection reports in compliance with Section 306(c) of the Code.
7. Wall Anchor Spacing:
   a. Where joists are parallel to the URM walls, the first wall anchor and shear bolt shall be installed at one half the noted spacing from the URM return wall or 2'-0" o/c maximum.
   b. Where joists are perpendicular to the URM walls, the first wall anchor and shear bolt shall be installed in the first joist space adjacent to the URM return wall, not more than 2'-0" from the URM return wall.

Add to GENERAL

8. Construction Type : III-N
   Occupancy classification: B-2
   Use or Occupancy: office

Add to STRUCTURAL STEEL

3. All welding shall be done in the shop of a fabricator licensed by the City of Riverside or shall be continuously inspected by a registered Deputy Inspector certified to inspect welding. All field welding shall have continuous inspection by a registered Deputy Inspector certified to inspect welding.

"APPROVED" CITY OF RIVERSIDE BUILDING & SAFETY
THIS APPROVAL DOES NOT AUTHORIZE VIOLATION OF ANY PROVISIONS OF STATE OR LOCAL BUILDING REGULATIONS NOR DOES IT PREVENT REQUIRING CORRECTIONS OF ANY ERROR SUBSEQUENTLY IDENTIFIED ON THESE PLANS OR CONSTRUCTED DUE TO ERRORS IN THESE PLANS.
Permit: 93-4623
Date: 6/17/94
By: Bachar (PW.)

CORRECTED SET
1/14/94
B.K.

JAN 4 1994

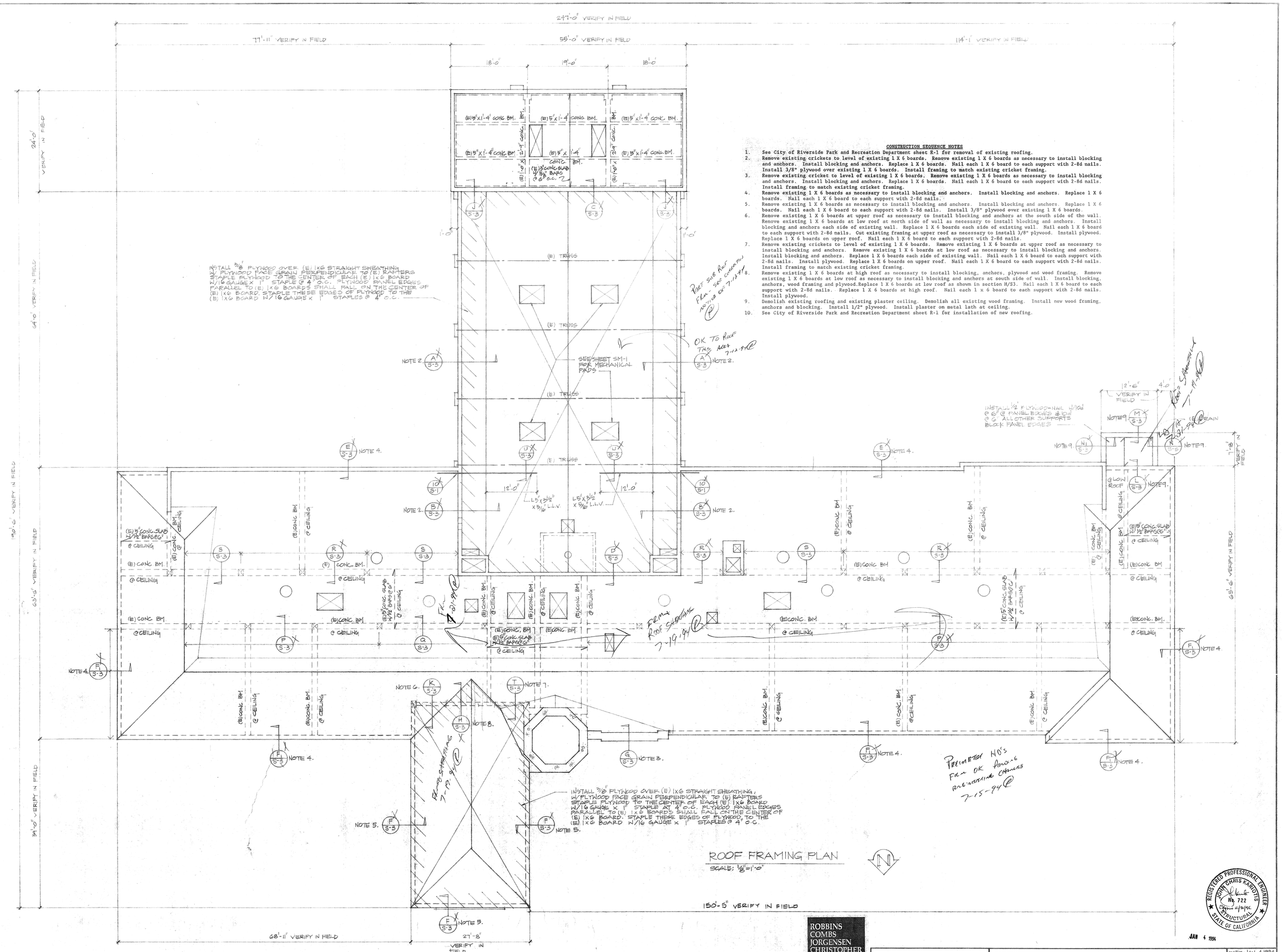
REGISTERED PROFESSIONAL ENGINEER
JOHN CHRIS KARIOTIS
No. 722
Expires 12/31/96
STRUCTURAL
STATE OF CALIFORNIA

ROBBINS COMBS JORGENSEN CHRISTOPHER
ARCHITECTURE PLANNING INTERIOR
9449 BALBOA AVENUE ■ SUITE 2[illegible]
SAN DIEGO ▲ CALIFORNIA ● 921[illegible]

KARIOTIS & ASSOCIATES
Structural Engineers
711 MISSION STREET, D SOUTH PASADENA, CA 91030
(213) 682-2871

EARTHQUAKE HAZARD REDUCTION
FOR: CESAR CHAVEZ CENTER
2060 UNIVERSITY AVENUE - RIVERSIDE, CA 92522

DATE	JAN. 4, 1994
SCALE	AS NOTED
DRAWN	C.S.
JOB	93-802
S-1 of 4	



CONSTRUCTION SEQUENCE NOTES

1. See City of Riverside Park and Recreation Department sheet R-1 for removal of existing roofing.
2. Remove existing crickets to level of existing 1 X 6 boards. Remove existing 1 X 6 boards as necessary to install blocking and anchors. Install blocking and anchors. Replace 1 X 6 boards. Nail each 1 X 6 board to each support with 2-8d nails. Install 3/8" plywood over existing 1 X 6 boards. Install framing to match existing cricket framing.
3. Remove existing cricket to level of existing 1 X 6 boards. Remove existing 1 X 6 boards as necessary to install blocking and anchors. Install blocking and anchors. Replace 1 X 6 boards. Nail each 1 X 6 board to each support with 2-8d nails. Install framing to match existing cricket framing.
4. Remove existing 1 X 6 boards as necessary to install blocking and anchors. Install blocking and anchors. Replace 1 X 6 boards. Nail each 1 X 6 board to each support with 2-8d nails.
5. Remove existing 1 X 6 boards as necessary to install blocking and anchors. Install blocking and anchors. Replace 1 X 6 boards. Nail each 1 X 6 board to each support with 2-8d nails. Install 3/8" plywood over existing 1 X 6 boards.
6. Remove existing 1 X 6 boards at upper roof as necessary to install blocking and anchors at the south side of the wall. Remove existing 1 X 6 boards at low roof at north side of wall as necessary to install blocking and anchors. Install blocking and anchors each side of existing wall. Replace 1 X 6 boards each side of existing wall. Nail each 1 X 6 board to each support with 2-8d nails. Cut existing framing at upper roof as necessary to install 3/8" plywood. Install plywood. Replace 1 X 6 boards on upper roof. Nail each 1 X 6 board to each support with 2-8d nails.
7. Remove existing crickets to level of existing 1 X 6 boards. Remove existing 1 X 6 boards at upper roof as necessary to install blocking and anchors. Remove existing 1 X 6 boards at low roof as necessary to install blocking and anchors. Install blocking and anchors. Replace 1 X 6 boards each side of existing wall. Nail each 1 X 6 board to each support with 2-8d nails. Install plywood. Replace 1 X 6 boards on upper roof. Nail each 1 X 6 board to each support with 2-8d nails. Install framing to match existing cricket framing.
8. Remove existing 1 X 6 boards at high roof as necessary to install blocking, anchors, plywood and wood framing. Remove existing 1 X 6 boards at low roof as necessary to install blocking and anchors at south side of wall. Install blocking, anchors, wood framing and plywood. Replace 1 X 6 boards at low roof as shown in section H/S3. Nail each 1 X 6 board to each support with 2-8d nails. Replace 1 X 6 boards at high roof. Nail each 1 x 6 board to each support with 2-8d nails. Install plywood.
9. Demolish existing roofing and existing plaster ceiling. Demolish all existing wood framing. Install new wood framing, anchors and blocking. Install 1/2" plywood. Install plaster on metal lath at ceiling.
10. See City of Riverside Park and Recreation Department sheet R-1 for installation of new roofing.

ROOF FRAMING PLAN

SCALE: 1/8"=1'-0"

REGISTERED PROFESSIONAL ENGINEER JOHN CHRIS KARIOTIS No. 722 Exp. 12/31/96 STRUCTURAL STATE OF CALIFORNIA

JAN 4 1994

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SAN DIEGO • CALIFORNIA • 92122

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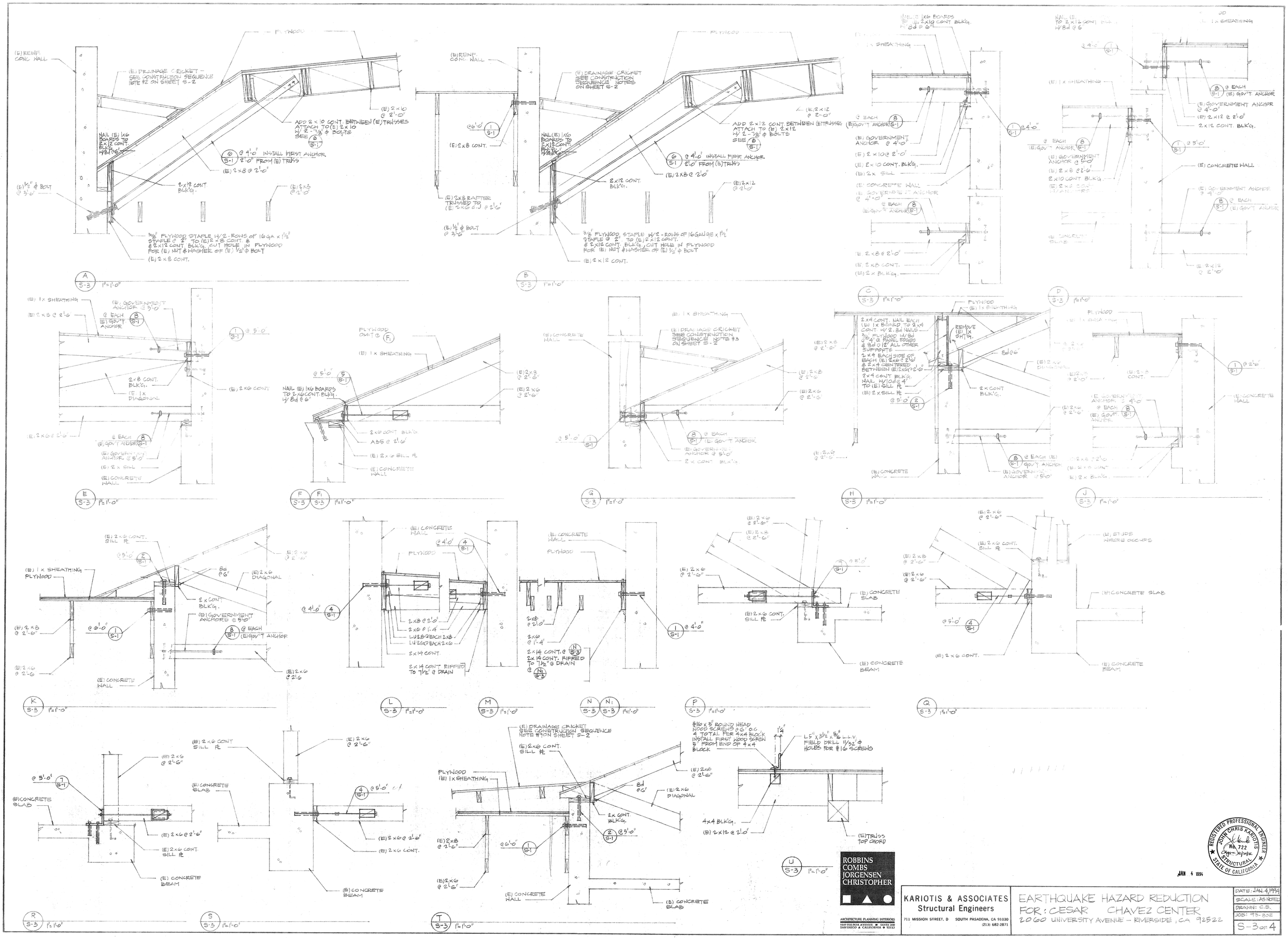
EARTHQUAKE HAZARD REDUCTION
FOR: CESAR CHAVEZ CENTER
2060 UNIVERSITY AVENUE - RIVERSIDE, CA 92522

DATE: JAN. 4, 1994	
SCALE: 1/8"=1'-0"	
DRAWN: C.S.	
JOB: 93-302	
S-2 OF 4	



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3889 FAIRMOUNT AVENUE, # 300 SAN DIEGO CALIFORNIA 92105

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EARTHQUAKE HAZARD REDUCTION
FOR: CESAR CHAVEZ CENTER
2060 UNIVERSITY AVENUE – RIVERSIDE, CA 92522

DATE:	JAN. 4, 1996
SCALE:	AS NOTED
DRAWN:	C.S.
JOB:	93-202
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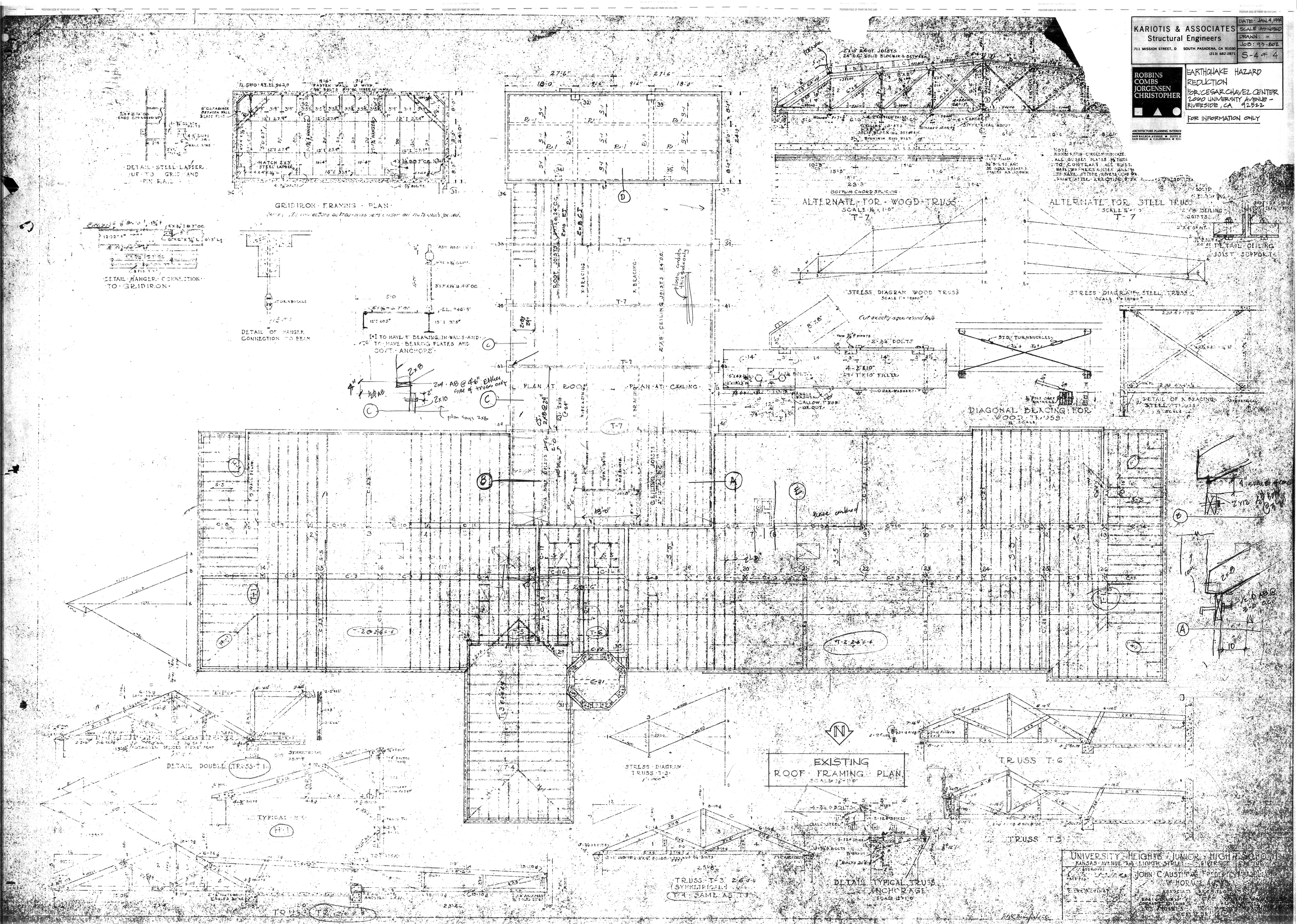
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711 MISSION STREET, D SOUTH PASADENA, CA 91030
(213) 682-2871
DATE: JAN. 4, 1994
SCALE: AS NOTED
DRAWN: -
JOB: 93-802
S-4 OF 4
ROBBINS COMBS JORGENSEN CHRISTOPHER
EARTHQUAKE HAZARD REDUCTION
FOR: CESAR CHAVEZ CENTER
2060 UNIVERSITY AVENUE - RIVERSIDE, CA 92522
FOR INFORMATION ONLY
ARCHITECTURE PLANNING INTERIOR
9449 BALBOA AVENUE ■ SUITE N
SAN DIEGO ▲ CALIFORNIA ● 92123
DETAIL STEEL LADDER UP TO GRID AND PIN RAIL
GRIDIRON FRAMING PLAN
DETAIL HANGER CONNECTION TO GRIDIRON
DETAIL OF HANGER CONNECTION TO BEAM
PLAN AT ROOF
PLAN AT CEILING
ALTERNATE FOR WOOD TRUSS
ALTERNATE FOR STEEL TRUSS
STRESS DIAGRAM WOOD TRUSS
STRESS DIAGRAM STEEL TRUSS
DIAGONAL BRACING FOR WOOD TRUSS
DETAIL CEILING JOIST SUPPORT
DETAIL OF X BRACING STEEL TRUSS
DETAIL DOUBLE TRUSS T-1
TYPICAL
STRESS DIAGRAM TRUSS T-3
EXISTING ROOF FRAMING PLAN
TRUSS T-6
TRUSS T-5
TRUSS T-3 (SYMMETRICAL)
T-4 SAME AS T-1
DETAIL TYPICAL TRUSS ANCHORAGE
UNIVERSITY HEIGHTS JUNIOR HIGH SCHOOL
KANSAS AVENUE AND EIGHTH STREET RIVERSIDE
JOHN C. AUSTIN AND FREDERICK
W. HORACE AUSTIN
ASSOCIATES
LOS ANGELES