

GENERAL:

- 1. ALL DETAILS, SECTIONS AND NOTES SHOWN ON THIS DRAWING ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE NOTED. NOTES AND DETAILS ON DRAWINGS TAKE PRECEDENCE OVER THESE GENERAL NOTES AND TYPICAL DETAILS.
2. SEE ARCHITECTURAL DRAWINGS FOR DOORS, WINDOWS NON-BEARING INTERIOR WALLS ELEVATIONS SLOPES, STAIRS, CURBS, DRAINS, DEPRESSIONS, RAILINGS WATERPROOFING, FINISHES, ETC.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS.
4. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE GOVERNING BUILDING CODE.
5. ALL ASTH DESIGNATIONS SHALL BE AS APPENDED TO DATE UNLESS OTHERWISE NOTED.
6. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY OF THE WORK INVOLVED.
7. ALL CONCRETE IS DESIGNED BY ULTIMATE STRENGTH DESIGN.

FOUNDATION:

- 1. REFER TO SOIL INVESTIGATION BY: DATED:
2. CARRY ALL FOOTINGS A MINIMUM OF INTO NATURAL GRADE OR APPROVED COMPACT FILL.
3. DESIGN SOIL BEARING PRESSURE: PSF.
4. ALL FOOTINGS SHALL BE INSPECTED BY THE BUILDING DEPARTMENT PRIOR TO POURING CONCRETE.
5. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO POURING CONCRETE.
6. NO BACKFILL SHALL BE PLACED AGAINST RETAINING WALLS UNTIL 75% OF DESIGN STRENGTH HAS BEEN ATTAINED (MINIMUM OF 10 DAYS).

CONCRETE:

- 1. CONCRETE MIX: MIN OF 5 SACKS OF CEMENT PER CUBIC YARD OF CONC. MAX. OF 7.5 GAL. OF WATER PER 94# SACK OF CEMENT, MAX SLUMP OF 4".
2. ALL CONCRETE TO OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 2000 P.S.I. MINIMUM.
3. CONCRETE COVER REINF SHALL BE AS FOLLOWS:
A) POURED AGAINST EARTH 3 INCHES
B) EXPOSED TO EARTH BUT POURED AGAINST FORMS 2 INCHES
C) SLABS ON GRADE AT CENTER
D) MAIN BARS IN BM'S AND COL'S 2 INCHES
4. ALL REINF SHOWN CONTINUOUS SHALL BE LAPPED MIN 30 DIA AT SPLICES, MIN LAP-24"
5. ALL REINF STEEL, DOWELS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO POURING CONCRETE.
6. ALL RETAINING WALLS WITH SLAB TIES AT TOP SHALL REMAIN SHORED UNTIL UPPER SLAB IS POURED REACHES DESIGN STRENGTH (MINIMUM OF 28 DAYS OR APPROVED TESTING)
7. CONTINUOUS INSPECTION IS REQUIRED FOR ALL CONCRETE DESIGNED IN EXCESS OF 2000 P.S.I.
8. UNLESS OTHERWISE SPECIFIED ALL SILL PLATES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE BOLTED TO THE CONCRETE OR MASONRY AS FOLLOWS:
A) AT EXTERIOR WALLS USE 1/2 DIAMETER BOLTS 6"-0" O.C.
B) AT INTERIOR WALLS USE 1/2 DIAMETER BOLTS 6"-0" O.C.
NOTE:
a) ALL BOLTS SHALL EXTEND A MINIMUM OF 4" INTO THE FIRST POUR OF CONCRETE.
b) PROVIDE A MINIMUM OF TWO ANCHOR BOLTS PER PIECE OF STILL PLATE WITH ONE BOLT LOCATED WITH IN 12" OF EACH END
c) AT INTERIOR WALLS BOLTS MAY BE SUBSTITUTED WITH 1/4" DIAMETER POWER DRIVEN PINS AT 32" O.C. (RAMSET #3320 OR EQ INSTALLED PER ICBO REPORT 1639)
9. DIMENSIONS TO HOLD DOWNS AND P.A.'S ARE APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTORS SUPERINTENDENT THE FRAMING CONTRACTOR AND THE CONCRETE CONTRACTOR TO LOCATE THESE ANCHORS IN THE EXACT POSITION.
10. LIGHTWEIGHT AGGREGATES (CONFORM TO ASTM C330) SHALL BE APPROVED AND THEIR MAXIMUM SIZE SHALL BE 1/2 INCH.
11. HARD ROCK AGGREGATES SHALL CONFORM TO ASTM C33. THEIR MAXIMUM SIZE SHALL BE 1 1/2 INCHES FOR FOOTING, CAISSONS AND GRAD BEAMS AND 1 INCH FOR ALL OTHER WORK.
12. CEMENT SHALL CONFORM TO ASTM C150, TYPE II.

TYPICAL NOTES:

WOOD:

- 1. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR UNLESS NOTED OTHERWISE AND CONFORM TO GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION.
A) 2X RAFTERS & JOISTS GRADE #2 AND BTR.
B) 4X BEAMS & HEADERS GRADE #2 AND BTR.
C) 4X POSTS GRADE STD.
D) 6X BEAMS, LEDGERS AND POSTS GRADE #1
E) STUDS..... GRADE #1
BEARING TO 8 FT.
FROM 8 FT TO 14 FT
FROM 14 FT. TO 20 FT
NON-BEARING TO 10 FT.
FROM 10 FT. TO 20 FT.
SAME AS BRG
F) SILL PLATES (P.T.D.F. OR HEM FIR) GRADE STD
G) BLOCKING, TOP & BOTTOM PLATES GRA STD OR #2@2X6
2. INTERIOR NON-BEARING WALL HEADER SCHEDULE
TO 4'-0" ..2-2 X 4 #2
TO 7'-0" ..2-2 X 6 #2
TO 10'-0" ..2-2 X 8 #2
TO 13'-0" ..2-2 X 10 #2
TO 16'-0" ..2-2 X 12 #2
ALTERNATE: SAME DEPTH 4X DOUGLAS FIR #2 HEADERS MAY BE SUBSTITUTE FOR 2-2X HEADERS ABOVE.
3. PLYWOOD TO BE STAMPED BY THE AMERICAN PLYWOOD ASSOCIATION & SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-74 WITH EXTERIOR GLUE.
A) ROOF SHEATHING SHALL BE 1/2" THICK CD PLYWOOD WITH EXTERIOR GLUE, PANEL INDEX; 32/16. NAIL EDGES AND PERIMETER WITH 8D (6" O.C. AND 12" O.C. IN FIELD. ALL EDGES UNBLOCKED UNLESS OTHERWISE SPECIFIED.
B) FLOOR SHEATHING SHALL BE 5/8" THICK T & G STURD-1 FLOOR 16 O.C. IN FIELD. NAIL EDGES AND PERIMETER WITH 8D (6" O.C. AND 8D (10" O.C. IN FIELD. ALL EDGES UNBLOCKED UNLESS OTHERWISE SPECIFIED.
C) PLYWOOD AT EXPOSED EAVES SHALL BE EXTERIOR GRADE PLYWOOD.
4. NAILING OF HORIZONTAL AND VERTICAL DIAPHRAGMS SHALL BE INSPECTED AND APPROVED BY THE BUILDING DEPARTMENT PRIOR TO COVERING.

ROOF TRUSS:

- 1. TRUSS SUPPLIER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS, SIGN BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER, TO THE BUILDING DEPARTMENT ARCHITECT, AND STRUCTURAL ENGINEER FOR THEIR REVIEW PRIOR TO FABRICATION.
2. ALL BLOCKING AND BRIDGING OF TRUSSES SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE TRUSS COMPANY.
3. THE TRUSS FABRICATOR SHALL COORDINATE OPENINGS IN THE ROOF OR FLOOR WITH THE CONTRACTOR AND SHALL SUBMIT DETAILS, DESIGNS AND HANGERS REQUIRED.
4. ALL TRUSS FABRICATION SHALL CONFORM TO U.B.C. 25-17V.

REINFORCING STEEL:

- 1. REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO ASTM A615
A) #4 BARS AND SMALLER GR 40
B) #5 BARS AND LARGER GR 60
2. ALL BARS SHALL BE FREE OF LOOSE AND FLAKY RUST AND SCALE, GREASE OR OTHER MATERIALS WHICH MIGHT AFFECT OR IMPAIR BOND.
3. ALL BENDS TO BE MADE COLD.
4. ELECTRIC WELDED WIRE MESH SHALL CONFORM TO ASTM A-185

SHEAR WALL:

- 1. FIELD NAIL INTERIOR OF PLYWOOD SHEAR WALLS WITH 8D (10") AT 12" O.C.
2. ALL PLYWOOD SHALL BE APPLIED DIRECTLY TO THE STUD WITH STUD SPACING NO GREATER THAN 16" O.C.
3. ALL GYPSUM WALL BOARD SHEAR WALLS SHALL HAVE NAILING PROVIDED AT TOP AND BOTTOM PLATES, ALL STUDS AND BLOCKING.
4. ALL GYPSUM WALL BOARD NAILS SHALL BE PARKERHEAD NAILS (ICBO 15B2) OTHERWISE APPROVED EQUAL IRYWALL NAIL.
5. BLOCK ALL EDGES OF PLYWOOD SHEAR WALLS.

SHEAR WALL SCHEDULE PER 1902 U.B.C.

Table with 5 columns: MARK, 1/2" THK. GYPSUM WALL BOARD WITH SD PARKERHEAD NAILS @ 7" O.C. UNBLOCKED, SILL PLATE NAILING, EXT. WALL ANCHORAGE, INT. WALL ANCHORAGE. Includes rows 1 through 9 with various specifications for wall types and anchorages.

* INDICATES SILL PLATE NAILING OR ANCHOR BOLTING FOR TWO SIDE APPLICATION. ALL STUDS TO BE 10" H. 11" DS FOR RAFTS #1 *33-10 (3/16, 0.110)

BLOCK MASONRY:

- 1. UNITS SHALL BE LIGHTWEIGHT CONCRETE BLOCK GRADE A CONFIRMING TO ASTM C90 WITH AN ULTIMATE COMPRESSIVE STRENGTH F'M=1500 P.S.I.
2. GROUT SHALL BE OF FLUID CONSISTENCY. GROUT MIX SHALL BE ONE PART CEMENT, THREE PARTS SAND AND MAY CONTAIN AN ADDITIONAL TWO PARTS PEAGRAVEL IF SPACES ARE 4 INCHES OR MORE IN EVERY DIRECTION F'C=2,000 P.S.I. AT 28 DAYS.
3. MORTAR SHALL CONFORM TO ASTM C270-521. MORTAR SHALL BE ONE PART CEMENT, THREE PARTS SAND, 1/4 PART LIME PUTTY OR HYDRATED LIME F'C=2,000 P.S.I. AT 28 DAYS.
4. REINFORCING SHALL HAVE A MINIMUM LAP OF 40 BARS DIAMETER OR 2'-0" WHICH EVER IS LARGER.
5. ALL BLOCK WALLS TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
6. BRICK SHALL CONFORM TO STANDARD SPECIFICATION FOR BUILDING BRICK ASTM C62, BRICK GROUTING PER T21-2413.
7. ALL MASONRY CONSTRUCTION PER UNIFORM BUILDING CODE.

MASONRY RETAINING WALL:

- 1. ALL MASONRY CONSTRUCTION PER BLOCK MASONRY NOTES.
2. ALL CONCRETE CONSTRUCTION PER CONCRETE NOTES.
3. ALL REINFORCED STEEL CONSTRUCTION PER REINFORCING STEEL NOTES.
4. ALL CELLS TO BE SOLID GROUTED.
5. DO NOT BACKFILL RETAINING WALLS UNTIL ALL MASONRY AND CONCRETE HAVE REACHED DESIGN STRENGTHS (MINIMUM OF 28 DAYS OR APPROVED TESTING)
6. ALL RETAINING WALLS WITH SLAB TIES AT TOP SHALL REMAIN SHORED UNTIL UPPER SLAB IS POURED REACHES DESIGN STRENGTH (MINIMUM OF 28 DAYS OR APPROVED TESTING).

BRICK VENEER:

- 1. BRICK VENEER UNITS MAY NOT EXCEED 5" IN THICKNESS AND MAY BE ANCHORED TO WOOD STUDS AS FOLLOWS: 1" MINIMUM GROUDED BACKING SPACE WHICH IS REINFORCED BY NOT LESS THAN 2" X 2" NO. 16 GAUGE GALVANIZED WIRE MESH PLACED OVER WATERPROOF PAPER BACKING AND ANCHORED DIRECTLY TO STUD CONSTRUCTION. THE STUD SPACING SHALL NOT EXCEED 16" O.C. THE GALVANIZED WIRE MESH SHALL BE ANCHORED TO WOOD STUDS BY GALVANIZED STEEL WIRE FURRING NAILS AT 4" O.C. OR BY BARRED GALVANIZED NAILS AT 6" O.C. WITH A 1/8" MINIMUM PENETRATION. IF THIS METHOD IS APPLIED OVER SOLID SHEATHING THE MESH MUST BE FURRED FOR EMBEDMENT IN GROUT. THE WIRE MESH MUST BE ATTACHED AT THE TOP AND BOTTOM WITH NOT LESS THAN #4 COMMON WIRE NAILS AT 8" O.C. THE GROUT FILL SHALL BE PLACED TO FILL THE SPACE INTIMATELY AROUND THE MESH AND VENEER FACING.
2. PROVIDE A 3"x3"x1/4" THICK ANGLE LINTEL OVER ALL OPENING TO SUPPORT THE BRICK VENEER.

STONE VENEER:

- 1. STONE VENEER UNITS MAY NOT EXCEED 10" IN THICKNESS AND MAY BE ANCHORED TO WOOD STUDS AS FOLLOWS: 4"x2" NO. 16 GAUGE GALVANIZED WIRE MESH WITH TWO LAYERS OF WATERPROOF PAPER BACKING SHALL BE APPLIED DIRECTLY TO WOOD STUDS SPACED A MAXIMUM OF 16" O.C. ON STUDS THE MESH SHALL BE ATTACHED WITH 2" LONG GALVANIZED STEEL WIRE FURRING NAILS AT 4" O.C. PROVIDING A MINIMUM 1 1/8" PENETRATION INTO EACH STUD AND WITH 8D COMMON NAILS AT 8" O.C. INTO TOP AND BOTTOM PLATES. THERE SHALL BE NOT LESS THAN A NO. 12 GAUGE GALVANIZED WIRE LOOPED THROUGH THE MESH FOR EVERY 2 SQUARE FEET OF STONE VENEER. THIS TIE SHALL BE A LOOP HAVING LEGS NOT LESS THAN 15 INCHES IN LENGTH, SO BENT THAT IT WILL LIE IN THE STONE VENEER MORTAR JOINT. THE LAST 2" OF EACH WIRE LEG SHALL HAVE A RIGHT ANGLE BEND. 1" MINIMUM THICKNESS OF CEMENT GROUT SHALL BE PLACED BETWEEN THE BACKING AND THE STONE VENEER.

GLUE-LAM BEAM:

- 1. GLUE-LAM MEMBERS SHALL BE FABRICATED BY A LICENSED FABRICATOR PER WCLA, AITC AND UBC REQUIREMENTS.
2. FABRICATOR TO PROVIDE A CERTIFICATE OF INSPECTION TO GENERAL CONTRACTOR
3. CUTTING, NOTCHING OR DRILLING OF GLUE-LAMS ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER.
4. LUMBER SPECIES TO BE DOUGLAS FIR, COMBINATION 24E-V3, FB-240C, FV-165, FC-385 AT TOP, FC-450 AT BOTTOM, E-1700000, UNLESS NOTED OTHERWISE ON PLANS.
5. MOISTURE CONTENT PER PS 56-73.
6. SCARF PER PS 56-73 (FINGER TYPE).
7. LAMINATIONS TO BE 1 1/2 INCHES.
8. GLUE LAMINATED BEAMS TO BE INSPECTED DURING FABRICATION BY AN APPROVED TESTING LABORATORY. EACH BEAM TO BE STAMPED WITH AN IDENTIFYING NUMBER. BEAMS ARE NOT TO BE ERECTED UNTIL CERTIFICATION OF INSPECTION FROM TESTING LAB HAS BEEN APPROVED BY THE BUILDING DEPARTMENT.
9. SEAL .. ENDS
10. APPEARANCE ..WET-PER PS 56-73
11. ADHESIVE ..NONE
12. PRIME ..NONE
13. WRAP ..SEE PLAN
14. CAMPER ..A.I.T.C. WITH ATTACHMENTS 1 & 2
15. INSPECTION ..SEE PLAN
16. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY ARCHITECT AND STRUCTURAL ENGINEER.
17. PROVIDE TENSION LAMINATIONS AT BOTTOM OF BEAMS AND AT TOP OF CONTINUOUS BEAMS OVER COLUMNS UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL:

- 1. CONSTRUCTION SHALL BE ACCORDANCE WITH LATEST AISC STANDARD PRACTICES.
2. MEMBERS SHALL CONFORM TO ASTM A36
3. PIPE COLUMNS SHALL CONFORM TO ASTM A53 FOR GRADE B PIPE.
4. ALL WELDS SHALL BE IN CONFORMITY WITH THE STANDARD CODE FOR ARC AND GAS WELDING OF THE AMERICAN WELDING SOCIETY ALL STRUCTURAL WELDS SHALL BE PERFORMED BY CERTIFIED WELDER USING THE ELECTRIC ARC PROCESS WITH APPROVED ELECTRODES FOR BOLTS AND REINFORCING BARS. CONTINUOUS INSPECTION REQUIRED FOR FIELD WELDING.
5. BOLT HOLDS IN STEEL SHALL BE 1/16 INCH LARGER DIAMETER THAN THE NORMAL SIZE OF BOLT USED, EXCEPT AS NOTED.
6. ALL STRUCTURAL STEEL TUBE SHALL CONFORM TO ASTM A500, GRADE B.
7. ALL BOLTS SHALL BE UNFINISHED BOLTS CONFORMING TO ASTM A307 OF SIZES SHOWN ON THE DRAWINGS, UNLESS NOTED OTHERWISE

ABBREVIATIONS:

Table with 2 columns: Abbreviation and Full Name. Includes AB (ANCHORE BOLT), B, BOT (BOTTOM), BLK (BLOCK), BLKG (BLOCKING), BW (BOTH WAYS), BLDG (BUILDING), BN (BOUNDARY NAIL), BM (BEAM), BTR (BETTER), BTWN (BETWEEN), COL (COLUMN), CONT (CONTINUOUS), CONC (CONCRETE), CJ (CELLING JOIST), DIA (DIAMETER), DET (DETAIL), EN (EDGE NAIL), FB (FLOOR BEAM), FDN (FOUNDATION), FTG (FOOTING), GRD (GROUND), GWB (GYPSUM WALL BOARD), GLB (GLUE LAMINATED BEAM), HDR (HEADER), MB (MACHINE BOLT), OC (ON CENTER), PLYWD (PLYWOOD), RB (ROOF BEAM), RJ (ROOF JOIST), REINF (REINFORCEMENT), STD, STD/S (STUD, STUDS), SHTG (SHEATHING), SFL (STRUCTURAL FLOOR LEVEL), STL (STEEL), THK (THICK), T (TOP), UNO (UNLESS NOTED OTHERWISE), WWF (WIRE WELDED FABRIC)

GENERAL NOTES & SPECIFICATIONS

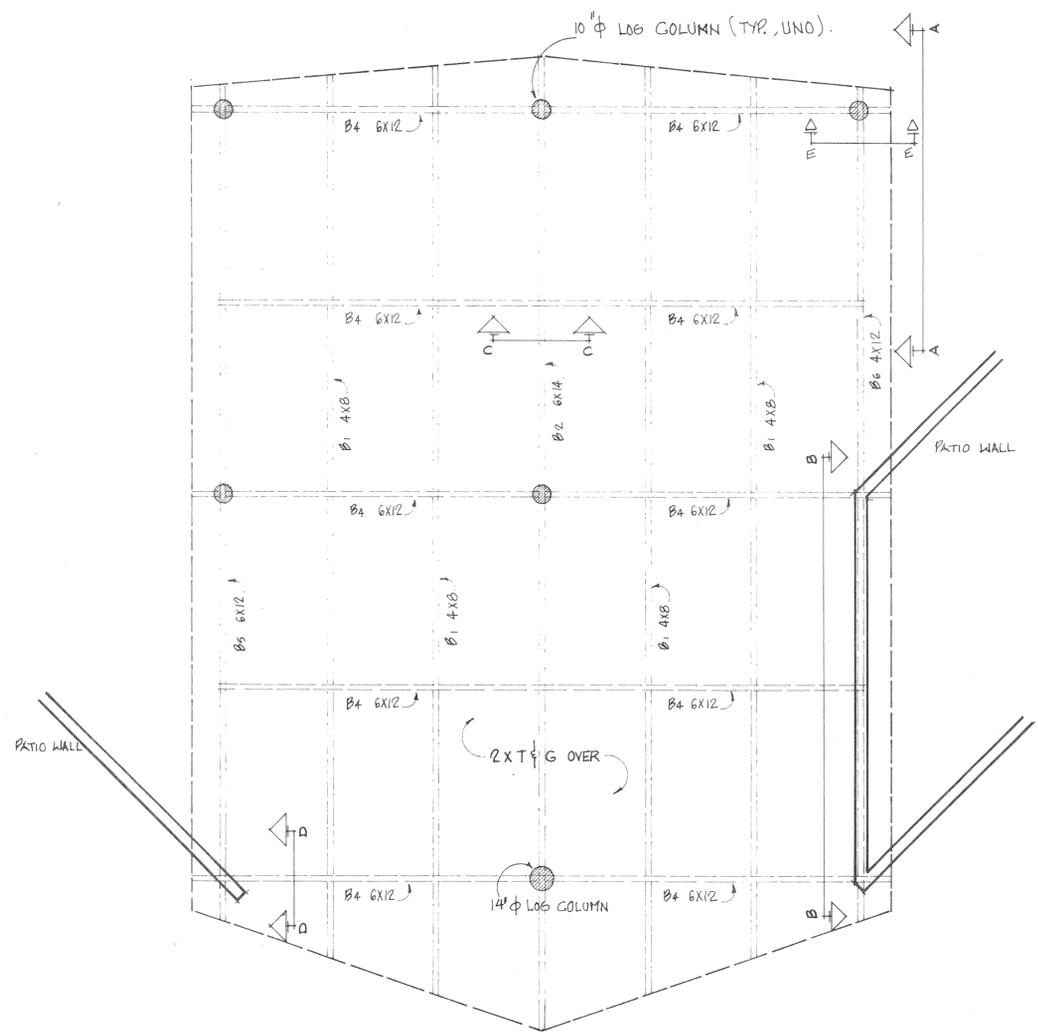
Table with 4 columns: DESIGNED BY, CHECKED BY, APPROVED BY, DATE. Includes names M.H. E. TOLEN, P.A. and dates.

FIELD BOOK REF.

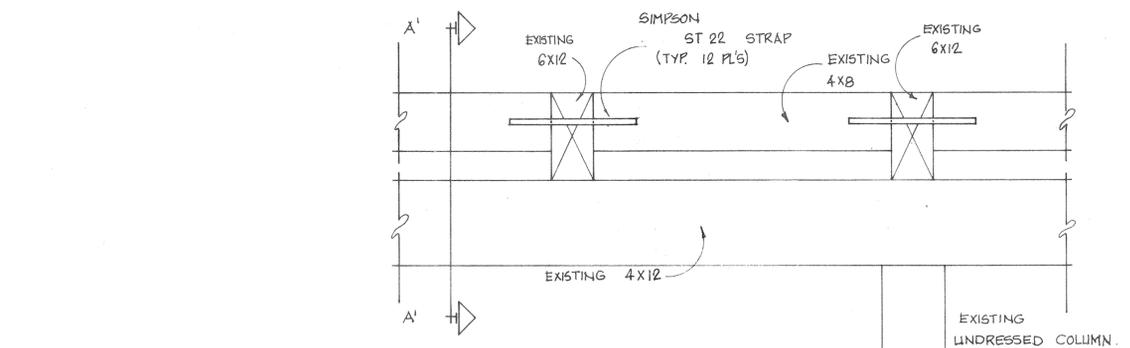
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FCE ASSOCIATES, F.C. ELAHL ASSOCIATES, 7101 MAGNOLIA AVENUE, SUITE G, RIVERSIDE, CA 92504

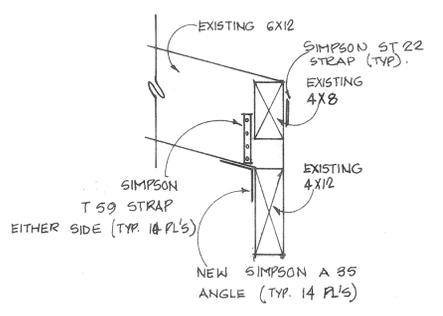
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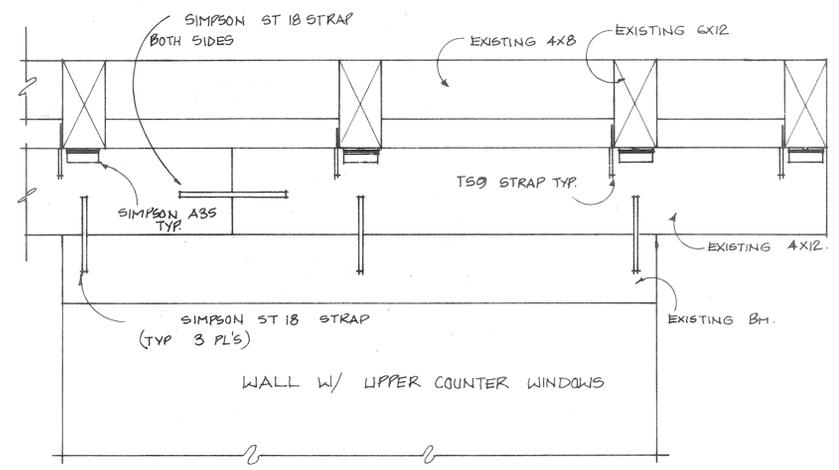
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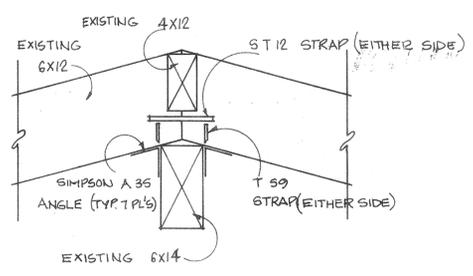
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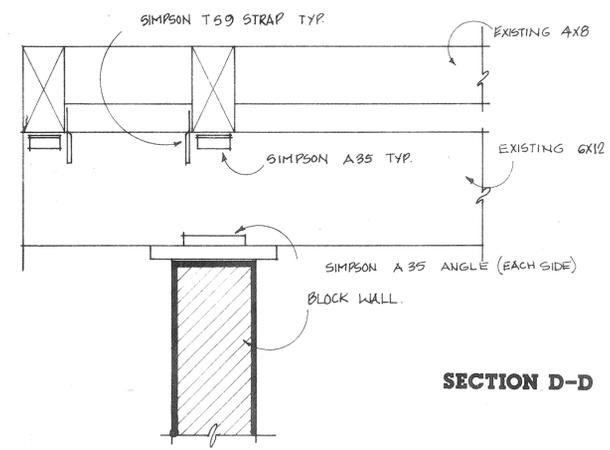
SECTION E-E



SECTION B-B



SECTION C-C



SECTION D-D

CANOPY ROOF FRAMING		DESIGNED BY F.A.	CHECKED BY E.J.F.	APPROVED BY P.A.	DATE
FIELD BOOK REF.	MARK	REVISIONS	DATE	APPR	DATE

DESIGNED BY F.A.	CHECKED BY E.J.F.	APPROVED BY P.A.	DATE
SUBMITTED BY	C.D.E.	DATE	ENGINEER