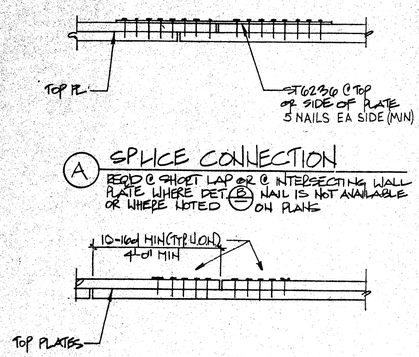
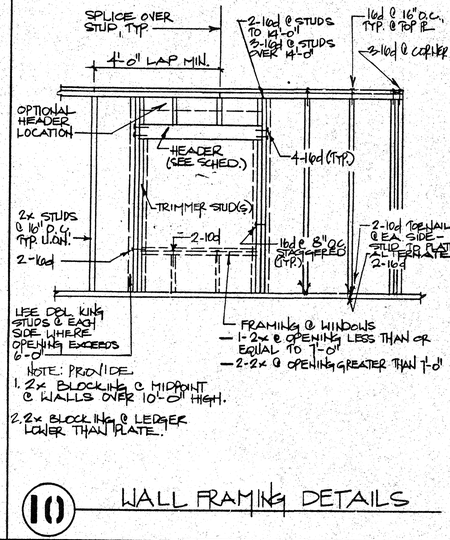
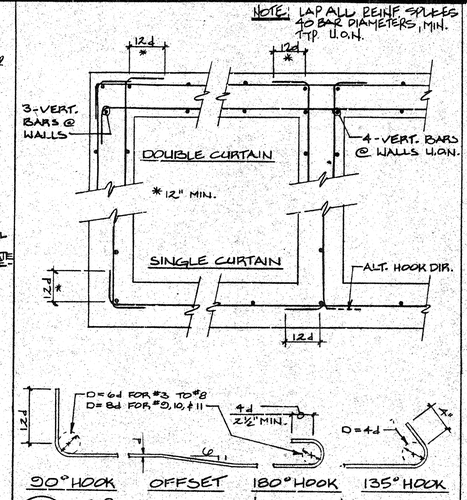


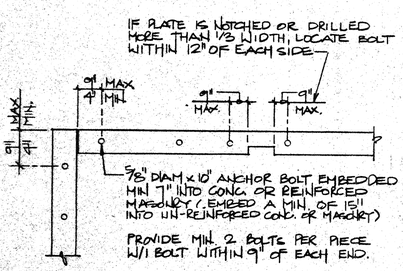
13 TOP PLATE SPLICE DETAIL



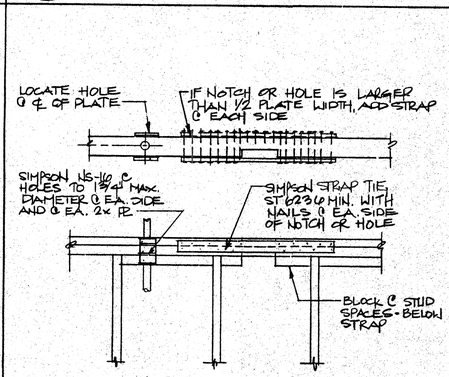
10 WALL FRAMING DETAILS



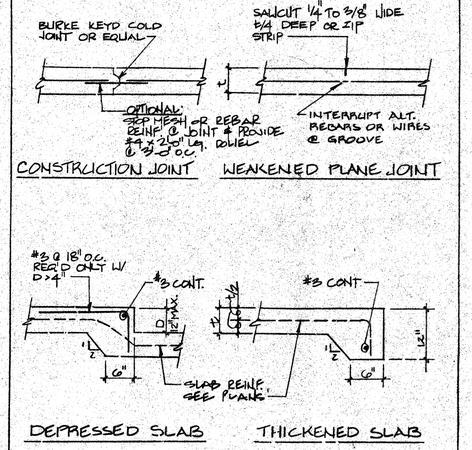
7 TYP. HORIZ. CONC. REINF.



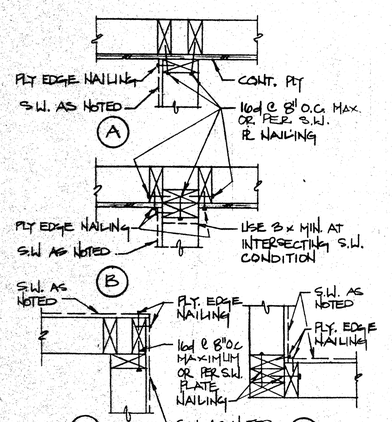
14 SILL PLATE DETAILS



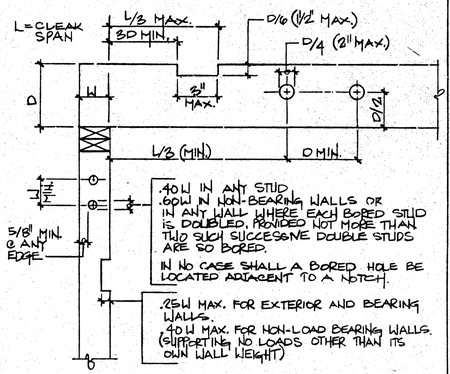
11 NOTCH AND BORE OF TOP PLATE



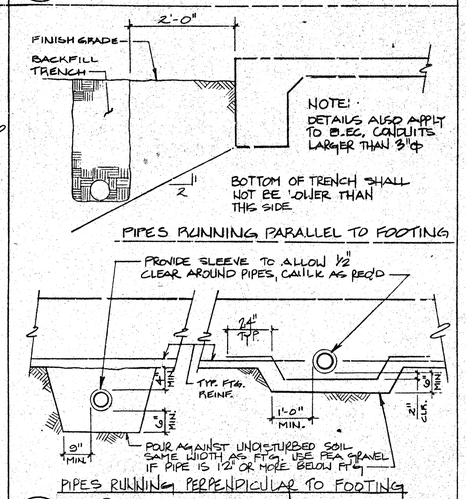
8 TYP. SLAB ON GRADE DETAILS



15 WALL FRAMING AT CORNERS AND INTERSECTIONS



12 NOTCH AND BORE LIMITS



9 PIPES AT FOOTINGS

GENERAL NOTES

GENERAL:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT DOCUMENTS, & ALL PERTINENT NATIONAL, STATE AND LOCAL REQUIREMENTS, CODES AND LAWS.

2. THE DOCUMENTS INDICATE GENERAL AND TIPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED SUBJECT TO REVIEW.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND VERIFY EXISTING JOB CONDITIONS AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

4. SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF OPENING SHOWN ON STRUCTURAL DRAWINGS.

5. FOR OPENINGS NOT SHOWN AND/OR DETAILED ON STRUCTURAL DRAWINGS WHICH PENETRATE STRUCTURAL ELEMENTS OBTAIN APPROVAL BEFORE PROCEEDING WITH WORK.

6. FRAME OPENINGS AND SUPPORT MISCELLANEOUS EQUIPMENT AS DETAILED ON THE DRAWINGS. WHERE NO DETAILS ARE PROVIDED OBTAIN APPROVAL BEFORE PROCEEDING WITH WORK.

7. LATERALLY BRACE ALL SUSPENDED EQUIPMENT AND CEILINGS IN CONFORMANCE WITH THE UNIFORM BUILDING CODE.

8. DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.

FOUNDATIONS

A SOILS REPORT HAS BEEN PREPARED FOR THIS SITE BY

ENGEO INC.

REPORT NO. 1142-3476-E DATE: JUNE 3, 1994.
THE RECOMMENDATIONS OF THIS REPORT ARE TO BE CONSIDERED AS PART OF THESE DRAWINGS.

ALL FOUNDATIONS SHALL BE FOUNDED IN UNDISTURBED NATIVE SOIL OR ENGINEERED FILL, AS DETERMINED BY THE DRAWINGS AND APPROVED BY THE SOILS ENGINEER.

1. THE DESIGNED SOIL STRENGTH PARAMETERS ARE AS FOLLOWS:
$F_{bearing} = 2500$ PSI

NOTIFY ENGINEER IF FIELD EXCAVATIONS INDICATE DIFFERENT CONDITIONS THAN ASSUMED.

2. THE SOILS ENGINEER SHALL INSPECT ALL PIER HOLES, SLAB AND FOUNDATION SUBGRADES PRIOR TO PLACING CONCRETE.

3. SEE SOILS INVESTIGATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

CONCRETE:

1. CONCRETE SHALL BE READY MIXED CONFORMING TO THE UBC STANDARD 26-13-B, DEVELOPING THE SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS AND SHALL COMPLY WITH THE FOLLOWING:

ITEM	F'C(PSI)	SLUMP (MAX.)	AGGREGATE (MAX)
SLAB ON GRADE	2,500	4"	3/4"
FOOTINGS, PIERS & GRADE BEAMS	2,500	4"	1 1/2"
WALLS & COLUMNS		4"	3/4"

2. CONTRACTOR SHALL INFORM THE ENGINEER AT LEAST 2 DAYS PRIOR TO POURING ANY STRUCTURAL CONCRETE FOR REVIEW OF THE WORK.

3. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN TO ENGINEER FOR REVIEW AT LEAST 7 DAYS PRIOR TO POURING ANY STRUCTURAL CONCRETE.

4. ALL CONCRETE EXCEPT SLAB ON GRADE 6" THICK OR LESS SHALL BE MECHANICALLY VIBRATED SO AS TO COMPLETELY FILL THE FORMS WITHOUT CAUSING UNDUE SEPARATION.

5. DOWELS SHALL MATCH MAIN REINF. SIZE AND SPACING LAP 40 BAR DIAMETERS U.O.N.

6. SPECIAL INSPECTION PER UBC JECTION 306 NOT REQUIRED

FRAMING LUMBER:

1. HORIZONTAL FRAMING MEMBERS 3X AND SMALLER, AND 4X POSTS SHALL BE NO. 2 DOUGLAS FIR, FRAMING MEMBERS 4X AND LARGER SHALL BE NO. 1 DOUGLAS FIR U.O.N. (EXEMPTION: 4x BEAMS LISTED IN HEADER SCHEDULE MAY BE NO 2

2. INTERIOR STUDS WHERE HEIGHT IS EQUAL TO OR LESS THAN 18'-0" SHALL BE DOUGLAS FIR CONSTRUCTION AND BETTER. INTERIOR STUDS WHERE HEIGHT IS GREATER THAN 18'-0 & EXT. STUDS: SHALL BE NO. 2 DOUGLAS FIR. STUD SPACING SHALL BE AT 16" O.C. U.O.N.

3. ALL SHEATHING (ROOF, FLOOR AND WALLS) SHALL BE APA RATED SHEATHING EXPOSURE 1 IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE APA AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF U.S. PRODUCT STANDARD PS1 OR ONE OF APA'S PERFORMANCE STANDARDS. SHEATHING PERMANENTLY EXPOSED TO WEATHER SHALL BE CLASSED EXTERIOR.

4. INSTALL FOOR AND FLOOR SHEATHING WITH THE LONG DIMENSION OF THE PANEL ACROSS SUPPORTS, AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER PANEL ENDS U.O.N. PANEL ENDS SHALL OCCUR OVER FRAMING. ALLOW 1/8" SPACING AT PANEL ENDS AND 1/4" AT PANEL EDGES.

5. WALL SHEATHING NAILING IS INDICATED ON THE SHEAR WALL SCHEDULE AND/OR PLANS. ROOF & FLOOR SHEATHING NAILING IS INDICATED ON THE PLANS. PLYWOOD NAILS SHALL BE COMMON, AND CORROSION RESISTANT WHERE EXPOSED TO WEATHER.

6. PLYWOOD FLOOR, ROOF AND WALL SHEATHING NAILS OR OTHER APPROVED SHEATHING CONNECTORS SHALL BE DRIVEN FLUSH, BUT SHALL NOT PENETRATE THE OUTER LAYER SHEATHING.

7. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN, NOTED OR APPROVED BY THE STRUCTURAL ENGINEER.

8. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19% FOR ALL STRUCTURAL MEMBERS.

9. PROVIDE IRON WASHERS UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.

10. BOLT HOLES SHALL BE NOMINAL DIAMETER OF BOLT PLUS 1/16" U.O.N. RETIGHTEN ALL BOLTS BEFORE CLOSING IN.

11. MINIMUM FRAMING NAILING SHALL CONFORM TO TABLE 25-O OF THE 1988 EDITION OF THE UBC.

12. WOOD IN CONTACT WITH MASONRY OR CONCRETE OR PERMANENTLY EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED AND MARKED WITH THE AWWP QUALITY MARK OR FOUNDATION GRADE REDWOOD.

13. ALL FRAMING HARDWARE SHALL BE MANUFACTURED BY THE SIMPSON COMPANY OR AN APPROVED EQUAL. FRAMING HARDWARE SHALL BE CORROSION RESISTANT WHERE EXPOSED TO WEATHER.

14. BOLTS SHALL COMPLY WITH ASTM 307. SILL PLATE BOLTING SHALL BE 5/8" ϕ 10" LONG WITH A 2" WOOD AT 4'-0" O.C. U.O.N OR SHEAR WALL SCHEDULE. LOCATE SILL BOLTS AT A DISTANCE OF 6" FROM THE END OF EACH WALL, CORNERS AND SPLICES, WITH A MIN. OF 2 BOLTS PER PIECE.

15. UPON WRITTEN REQUEST EXPANSION ANCHORS PROVIDING EQUAL SHEAR AND WITHDRAWL RESISTANCE, AND INSTALLED IN ACCORDANCE WITH CURRENT I.C.B.O. RESEARCH REPORT MAY BE SUBSTITUTED FOR ANCHOR BOLTS TO THE EXTENT ALLOWED BY THE BUILDING DEPARTMENT.

16. SIZING AND SURFACING: ALL LUMBER, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, SHALL BE MILL SIZED AND SURFACED ON A SIDED. ALL SHALL BE STRAIGHT STOCK, FREE FROM WARP OR CUP, AND SINGLE LENGTH PIECES. SPLICING WILL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY SO DETAILED OR AS DIRECTED BY THE ENGINEER.

17. WORKMANSHIP: ALL ROUGH CARPENTRY SHALL PRODUCE JOINTS TRUE AND TIGHT AND WELL NAILED WITH MEMBERS ASSEMBLED IN ACCORDANCE WITH THE DRAWINGS AND WITH ALL PERTINENT BUILDING CODES. THE PLYWOOD SHEATHING, JOISTS, AND STUDS TRANSMIT, MEASURE OR OTHER FRAMING DEFECTS SHALL NOT BE PERMITTED. ALL WALLS AND PARTITIONS SHALL BE STRAIGHT, PLUMB AND WITHOUT BOWS OR CROWNS. CAREFULLY SELECT ALL STRUCTURAL MEMBERS INDIVIDUALLY. PIECES SHALL BE SELECTED SO THAT KNOTS AND OBVIOUS MINOR DEFECTS DO NOT INTERFERE WITH THE PLACING OF BOLTS OR PROVIDE FOR BALKING ON THE MAKING OF SOUND CONNECTIONS. LUMBER MAY BE REJECTED BY THE ENGINEER FOR EXCESSIVE WARP, TWIST, BOW OR CROW OR FOR MILDEW, FUNGUS OR MOLD AS WELL AS FOR IMPROPER GRADE MARKING. DEFECTS WHICH RENDER A PIECE UNSUITABLE TO SERVE ITS INTENDED FUNCTION SHALL BE DISCARDED.

GLU-LAMINATED LUMBER

1. ADHESIVE SHALL BE FOR WET USE. LAMINATIONS SHALL BE COMBINATION FABRICATED IN ACCORDANCE WITH AITC PS 56.73. FOR SINGLE SPAN MEMBERS USE 24F-V4 DF/DF, FOR MEMBERS CONTINUOUS OR CANTILEVERED OVER SUPPORTS USE 24F-V8DF/DF. FOR MEMBERS PERMANENTLY EXPOSED TO THE WEATHER USE PRESSURE TREATED TIMBER.

2. FABRICATION SHALL BE BY A LICENSED FABRICATOR. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND AITC CERTIFICATION OF INSPECTION ARE REQUIRED FOR ALL MEMBERS.

3. CONTRACTOR SHALL PROVIDE A CERTIFICATE OF COMPLIANCE FOR ALL GLU-LAM BEAMS TO THE BUILDING DEPARTMENT AND ENGINEER FOR REVIEW PRIOR TO ANY EXCTION.

4. GLU-LAM BEAMS SHALL NOT BE NOTCHED, DRILLED, TAPERED, DAPPED OR CUT IN ANYWAY EXCEPT AS SHOWN ON THE DRAWINGS.

STEEL:

1. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION. SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

2. BOLTS, NUTS, WASHERS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED PER ASTM A-325. ALL BOLT HOLES SHALL BE PUNCHED OR DRILLED AND SHALL BE 1/16" NOMINAL BOLT SIZE. BURNED HOLES ARE NOT ACCEPTABLE.

3. STEEL SHALL CONFORM TO ASTM SPECIFICATIONS AS FOLLOWS:

A. STRUCTURAL AND MISC. STEEL: FY = 36KSI PER ASTM A-36.
B. STEEL TUBES: FY = 46KSI ASTM A500 TYPE 2 GRADE B
C. STEEL PIPE COLUMNS: FY = 36KSI ASTM 53 TYPE S GRADE B

4. PAINT METAL WITH RED LEAD-INHIBITIVE PER FEDERAL SPEC. TT-P86 ONE SHOP COAT AND FIELD TOUCH-UP.

WELDING:

1. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATIONS PROCEDURE" TO PERFORM TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS WELDING CODE. ARC WELDING ELECTRODES SHALL BE E70 SERIES FOR MANUAL ARC WELDING AND EG-F6-A2-S OR EA-2 FOR SUBMERGED ARC WELDING. PROVIDE SPECIAL INSPECTION FOR ALL FIELD WELDING.

2. 10 PERCENT OF ALL FULL PENETRATION WELDS SHALL BE TESTED WITH X-RAY OR ULTRASONICALLY UNDER THE SUPERVISION OF AN AGENT APPOINTED BY THE OWNER.

REINFORCING:

1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A-615 GRADE NO. GRADE 60 FOR #5 BARS & LARGER, UNLESS OTHERWISE NOTED. DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A-305. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A-185.

2. ALL REINFORCING STEEL SHALL BE LAPPED AS INDICATED. LAPS/SPLICES SHALL BE 40 BAR DIAMETERS AND WELL STAGGERED.

3. ALL HOOKS SHOWN SHALL BE ACI STANDARD HOOKS UNLESS NOTED OTHERWISE. ALL COLUMN BEARS AND PILASTER TIES SHALL HAVE A 135 DEGREE MINIMUM TURN PLUS A 6" EXTENSION TO THE FREE END.

4. CONCRETE COVER OVER REINFORCING STEEL SHALL BE MAINTAINED AS FOLLOWS, UNLESS OTHERWISE NOTED:

CONCRETE POURED AGAINST EARTH:	3"
FORMED SURFACES BACKFILLED WITH EARTH:	2"
FORMED SURFACES EXPOSED TO WEATHER:	2"
FORMED SURFACES EXPOSED TO INTERIOR SPACE:	3/4"

5. INSTALL REINFORCING AT MID-HEIGHT IN SLABS AS REQUIRED AND SHOWN ON PLANS.

PREFABRICATED TRUSSES: (P.F.T.)

1. MANUFACTURER TO SUBMIT TO THE BUILDING DEPARTMENT AND ENGINEER DESIGN AND SHOP DRAWINGS STAMPED BY A REGISTERED CIVIL ENGINEER FOR ALL TRUSSES TO BE INSTALLED AS SHOWN ON THE FRAMING PLANS. CALCULATIONS SHALL INCLUDE ALL STRESSES AND DEFLECTIONS CAUSED BY DEAD AND LIVE LOADS. DRAWINGS SHALL INCLUDE LAYOUT, SIZE OF MEMBERS AND CONNECTION DETAILS.

2. MAXIMUM DEFLECTION OF ROOF TRUSSES SHALL BE L/240 (D.L.+L.L.) MAXIMUM DEFLECTION OF FLOOR TRUSSES SHALL BE L/360 (L.L.).

3. MINIMUM LOADING:		ROOF	FLOOR
I) TOP CHORD:	D.L.		
	L.L.		
II) BOTTOM CHORD	D.L.		
	L.L.		

TOP AND BOTTOM CHORD LIVE LOADS DO NOT HAVE TO BE APPLIED AT THE SAME TIME.

4. UPON WRITTEN REQUEST ALTERNATE METHODS OF FRAMING MAY BE USED WITH THE ENGINEERS AND BUILDING DEPARTMENT APPROVAL.

SHOP DRAWINGS: SHOP DRAWINGS ARE AN AID FOR SITE ERECTION AND ARE SUPERSEDED BY THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE SHOP DRAWINGS AND CONSTRUCTION IS IN CONFORMANCE WITH THE LATEST STRUCTURAL DRAWINGS.

THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO THE ENGINEER/ARCHITECT FOR REVIEW TO DETERMINE GENERAL COMPLIANCE WITH THE APPROVED CONSTRUCTION DRAWINGS. OUR REVIEW DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE IN COMPLIANCE WITH THE LATEST ARCHITECTURAL AND ENGINEERING DRAWINGS.

SHOP DRAWINGS SHALL BE SUBMITTED FOR ENGINEERS REVIEW AS FOLLOWS:

1. REINFORCING STEEL
2. GLU-LAM
3. STRUCTURAL STEEL
4. FLOOR AND ROOF TRUSSES
5. PREFABRICATED STAIRS

FABRICATION SHALL NOT PROCEED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED BY THE BUILDING DEPARTMENT AND ENGINEER.

MASONRY:

1. PROVIDE SPECIAL INSPECTION, CONFORMING TO THE LATEST U.B.C. EDITION, SECTION 306, IF NOTED ON THE PLANS, AND/OR DETAILS.

2. ULTIMATE COMPRESSICE STRENGTH, F'M, SHALL BE:1,500 PSI.

3. CONCRETE MASONRY UNITS SHALL BE HOLLOW SINGLE OPEN OR DOUBLE OPEN END UNITS. ALL BLOCKS SHALL CONFORM TO GRADE N, ASTM C-90. MASONRY UNITS SHALL HAVE CURED FOR NOT LESS THAN 28 DAYS WHEN PLACED. DO NOT USE CHIPPED OR CRACKED BLOCKS. IF ANY SUCH BLOCKS ARE DISCOVERED IN ANY FINISHED WALL, THEY SHALL BE PROMPTLY REMOVED AND REPLACED WITH NEW BLOCKS TO THE APPROVAL OF THE ENGINEER.

4. MORTAR SHALL BE TYPE S. MORTAR SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI AT 28 DAYS.

5. GROUT SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2,000 PSI AT 28 DAYS. TRANSIT-MIX GROUT SHALL BE REJECTED IF NOT PLACED IN FINAL POSITION 1-1/2 HOURS AFTER WATER IS FIRST ADDED TO THE BATCH. GROUT ALL CELLS SOLID.

6. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150, TYPE I OR TYPE III AND SHALL BE:ENTIRELY OF ONE MANUFACTURE.

7. WATER USED FOR MORTAR AND GROUT SHALL BE CLEAN AND FREE FROM DELETRIOUS AMOUNT OF ACIDS, SALTS, ALKALAI AND ORGANIC MATERIAL.

8. SAND FOR MORTAR SHALL CONFORM TO ASTM C-404 TABLE 1. COARSE AGGREGATE.

9. QUICKLIME SHALL CONFORM TO ASTM C-5.

10. CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS CONTAINING VERTICAL REINFORCEMENT WHERE THE GROUT POUR EXCEEDS 4'-0" IN HEIGHT.

11. ALL HORIZONTAL REINFORCING SHALL BE LAID IN BOND BEAM UNITS AND AGAINST VERTICAL BARS.

12. VERTICAL BAR SHALL BE ACCURATELY AND POSITIVELY HELD IN PLACE BEFORE SETTING BLOCKS. BARS MAY BE DOWELED AT TOP OF FOOTING ONLY (U.O.N.)

13. VERTICAL BARS AT CORNERS, JAMBS OF OPENINGS, ETC. SHALL BE IN ONE LENGTH. PROVIDE VERTICAL ALIGNMENT OF REINFORCING AND BLOCKS MUST BE MAINTAINED AT ALL TIMES (U.O.N.)

14. NO PLUMBING PIPE OR CHASE SHALL BE EMBEDDED IN BLOCK PARTITIONS OR WALLS EXCEPT AS DETAILED ON THE DRAWING.

15. REINFORCEMENT SHALL BE FULLY EMBEDDED INTO GROUT. PLACE THE VERTICAL STEEL PRIOR TO LAYING THE WALL. SEE STRUCTURAL NOTES & DETAILS FOR SIZE, GRADING, LAPS, ETC.

16. WHEN GROUTING IS STOPPED FOR A PERIOD OF 1 HOUR OR LONGER, FORM HORIZONTAL CONSTRUCTION JOINTS BY STOPPING THE GROUT POUR 1-1/2 INCHES BELOW THE UPPERMOST UNIT.

17. ALL MASONRY SHALL BE BUILT TO PRESERVE THE UNDISTURBED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. THE VERTICAL ALIGNMENT SHALL BE SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED VERTICAL FLUE MEASURING NOT LESS THAN 3" INCHES BY 3" INCHES.

18. CURE WALLS BY DAMPING FOR 5 DAYS.

19. MASONRY REINFORCING LAP LENGTHS:

BARS SIZE	CORNER AND END WALLS	OTHER
#3	25"	18"
#4	33"	25"
#5	41"	33"
#6	49"	38"
#8	60"	43"

PERIODIC CONSTRUCTION REVIEW:
THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER (IDS) FOR THE PURPOSE OF PERIODIC CONSTRUCTION REVIEW OF STRUCTURAL ITEMS AT THE FOLLOWING STAGES OF CONSTRUCTION WHERE APPLICABLE:
A) BEFORE PIER DRILLING AND/OR PILE DRIVING OPERATIONS START.
B) BEFORE PLACEMENT OF CONCRETE FOR ALL FOUNDATIONS, PIERS, RETAINING WALLS, COLUMNS, BEAMS, SLABS, AND WALLS, SO THAT FORMS AND REBAR CAN BE INSPECTED.
C) BEFORE GROUTING OF MASONRY, BUT AFTER REBAR IS IN PLACE.
D) WHEN STRUCTURAL LOADS, ANCHOR BOLTS AND SHEAR WALL SHEATHING ARE INSTALLED, 75% COMPLETE.
E) WHEN COMPLETED, BUT BEFORE THE STRUCTURE IS CLOSED IN.

REVISIONS

37-UNIT MOTEL
2834 EL CAMINO REAL
REDWOOD CITY, CA 94063

IDS INTEGRATED DESIGN SERVICES
- STRUCTURAL ENGINEERS
(510) 798-6600
(510) 798-6601
2220 Stellaire Street
Concord, CA 94520

DRAWN TEL
CHECKED TAM
DATE 10/1/92
SCALE
JOB NO. 1323
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OF SHEETS