GENERAL

TYPICAL DETAILS AND GENERAL NOTES SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR OTHER SIMILAR WORK. NO DEVIATIONS FROM THE DRAWINGS SHALL BE PERMITTED WITHOUT PERMISSION OF THE ENGINEER.

SEE NON-STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. ALL EQUIPMENT SHALL BE BRACED AND ANCHORED ADEQUATLY FOR SEISMIC LOADS "

WHERE CONSTRUCTION MATERIALS ARE TEMPORARILY STORED ON THE ROOF FRAMING, THEY SHALL BE DISTRIBUTED SO THAT THE LOAD DOES NOT EXCEED 20 LBS/SF.

THE CONTRACTOR SHALL:

1. VERIFY ALL (E) EXISTING CONDITIONS AND DIMENSIONS AND REPORT ANY DIFFERENCES IN ASSUMED CONDITIONS TO THE ENGINEER PRIOR TO PROCEEDING.
2. PROVIDE AND BE SOLELY RESPONSIBLE FOR ALL TEMPORARY SHORING, GUYS AND BRACING NECESSARY FOR STRUCTURAL WORK SHOWN ON THESE DRAWINGS.
3. PERFORM ALL WORK AND RECEIVE ALL TESTS AND INSPECTIONS IN ACCORDANCE WITH THE PROJECT DRAWINGS, SPECIFICATIONS, THE "STRUCTURAL TESTS & INSPECTIONS SCHEDULE" AND TITLE 24, PART 2 OF THE CALIFORNIA CODE OF REGULATIONS (C.C.R.)
4. BE SOLELY RESPONSIBLE FOR CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
5. PERFORM ALL DEMOLITION, REMOVAL AND DISPOSAL IN CONFORMANCE WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS. EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF OFF SITE UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
6. PERFORM ALL WORK UNDER CONTINUOUS INSPECTION OF A DIVISION OF THE STATE ARCHITECT (D.S.A.) APPROVED INSPECTOR.

ALL SUPPORT SERVICES PERFORMED BY THE ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THE SUPPORT SERVICES PERFORMED BY THE ENGINEER, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS. THESE SUPPORT SERVICES DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

NOTIFICATION

THE D.S.A APPROVED INSPECTOR SHALL NOTIFY THE STRUCTURAL ENGINEER TWO (2) WORKING DAYS PRIOR TO:

1. START OF CONSTRUCTION.
2. POURING CONCRETE.
3. COVERING PLYWOOD SHEATHING AND FRAMING.

FOUNDATIONS

FOUNDATIONS AND SLABS SHALL BE PLACED ONLY ON FIRM BEARING AND NOT ON LOOSE SOIL OR UNCOMPACTED FILL. THE CONTRACTOR SHALL PERFORM ALL WORK AND RECEIVE ALL TESTS AND INSPECTIONS IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND THE SOILS REPORT BY: SOILS ENGINEERING, INC., DATED 9-13-00, FILE NO. 00-9221

SOIL TYPE: SILTY SAND
BASIC ALLOWABLE BEARING PRESSURE: . . . . 2000 LBS/SF.

SEE PLANS FOR ADDITIONAL OVER-EXCAVATION & COMPACTION & (E) OBSTRUCTIONS, FOUNDATIONS, ETC...

REINFORCING

MATERIALS SHALL BE CONTINUOUS, DEFORMED BARS CONFORMING TO ASTM A615:
#4 BAR & SMALLER . . . GRADE 40
#5 BAR & LARGER . . . GRADE 60
CONTINUOUS BAR SPLICES (UNO) SHALL BE:

CONCRETE . . . . . 30 BAR DIAMETERS (2'-0" MINIMUM)
CONCRETE COVERAGE FOR REINFORCEMENT SHALL BE:
CAST AGAINST EARTH & PERMANENTLY EXPOSED TO EARTH . . . . . 3"
CAST AGAINST FORMS & PERMANENTLY EXPOSED TO EARTH OR WEATHER . . . 2"
CAST AGAINST FORMS & NOT PERMANENTLY EXPOSED TO EARTH OR WEATHER
SLABS, WALLS & JOISTS . . . . . 3/4"
BEAMS, GIRDERS & COLS . . . . . 1-1/2"

CONCRETE

MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
PORTLAND CEMENT (ONE BRAND, DOMESTIC) . . . . . ASTM C150
WATER. . . . . DOMESTIC SUPPLY
AGGREGATES (FINE & COARSE) . . . . . ASTM C33
(AGGREGATES SHALL CONTAIN NOT MORE THAN 2% SHALE OR OTHER DELETERIOUS PARTICLES.)
ADMIXTURE (TYPE A, WATER REDUCING) . . . . . ASTM C494
CURING COMPOUND . . . . . ASTM C309
(SHALL NOT IMPAIR IN ANY WAY THE APPLICATION OF FINISHES, COVERINGS OR PAINT)
VAPOR BARRIER . . . . . .10 MIL P.V.C.
DRYPACK . . . . . PER C.C.R. TABLE 24B "FINE GROUT" (NO FREEWATER, NO SLUMP, TAMP INTO PLACE)
EPOXY . . . . . RAMSET "EPCON" CERAMIC 6 (ICBO #4285)

CONCRETE MIX AND CONSTRUCTION SHALL BE TYPE V, REGULAR WEIGHT (145 LBS.) AND CONFORM TO THE FOLLOWING:
MINIMUM ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS . . 3000 PSI
MAXIMUM SLUMP (PER ASTM C-143) . . . . . 4 INCHES
MAXIMUM AGGREGATE SIZE . . . . . 1 INCH
MINIMUM CEMENT CONTENT . . . . . 5.75 SACKS/CY
MAXIMUM WATER/CEMENT RATIO 50

CONTRACTOR SHALL SUBMIT A CONCRETE DESIGN MIX, APPROVED BY A CALIFORNIA LICENSED CIVIL ENGINEER, TO THE ARCHITECT FOR REVIEW 15 WORKING DAYS PRIOR TO PLACEMENT.

WOOD

FRAMING LUMBER SHALL BE DOUGLAS FIR & GRADE MARKED AS FOLLOWS (UNO):
2X4 & SMALLER . . . . . STANDARD OR BETTER
2X6 & DEEPER . . . . . NO. 2

3X & LARGER . . . . . NO. 1
SILLS (HEM FIR OR DOUGLAS FIR) . . . . . (PRESSURE TREATED) NO. 2

STANDARD CUT WASHERS SHALL BE USED UNDER BOLT HEADS AND NUTS THAT WOULD OTHERWISE BEAR ON WOOD SURFACES. ALL LIGHT GAGE METAL CONNECTORS SHALL BE MANUFACTURED BY "SIMPSON STRONG-TIE CO., INC." OR APPROVED EQUAL. ALL "HD" CONNECTORS SHALL BE INSTALLED WITH WASHERS AS PER MANUFACTURES RECOMMENDATIONS. RETIGHTEN BOLTS BEFORE CLOSING IN.

ALL NAILS SHALL BE COMMON GAGE, UNCOATED AND HAVE FULL HEADS.

WHERE DRIVING NAILS CAUSES SPLITTING, LEAD HOLES WITH A DIAMETER EQUALING 60 TO 75 PERCENT OF THE NAIL DIAMETER SHALL BE PROVIDED. NAILING SHALL BE AS PER C.C.R. CHAPTER 23A, "NAILING SCHEDULE", TABLE 23A-II-B-1

LAG SCREWS OR LAG BOLTS:
CONNECTORS SHALL BE INSERTED IN DRILLED HOLES AS SHOWN ON THE PLANS. THE THREADED PORTION OF THE CONNECTOR SHALL BE INSERTED IN ITS LEAD HOLE BY TURNING IT WITH A WRENCH AND NOT BY DRIVING IT WITH A HAMMER.

PLYWOOD SHEATHING SCHEDULE

IDENT.	MATERIAL	NAILING	REMARKS
1	1/2" PLYWD., APA RATED SHTG., EXPOSURE 1, 32/16 STRUCT. I	10d @ 6" BOUND. 10d @ 4" EDGES 10d @ 12" INTERM.	a) 2x P.T. SILL PL W/ 5/8"ø x 10" A.B. @ 16" O.C. W/ PL 3"x3"x0.230 WASHER b) 3x OR 4x STUDS SHALL OCCUR @ VERT. PLYWD JOINTS.
UNIDENT. PLYWD WALL SHTG.	1/2" PLYWD., APA RATED SHTG., EXPOSURE 1, 32/16 STRUCT. I	10d @ 6" BOUND. 10d @ 6" EDGES 10d @ 12" INTERM.	a) 2x P.T. SILL PL W/ 5/8"ø x 10" A.B. @ 4'-0" O.C. W/ PL 3"x3"x0.230 WASHER
ROOF SHTG.	5/8" PLYWD., APA RATED SHTG., EXPOSURE 1, T&G. 40/20	10d @ 6" BOUND. 10d @ 6" EDGES 10d @ 6" INTERM.	a) UNBLOCKED (U.N.O.)

FOOT NOTES

(1) SEE THIS SHT. FOR GENERAL NOTES AND TYPICAL DETAILS.

(2) PLYWOOD SHALL CONFORM TO PS-1-95. PANELS SHALL BE STAGGERED AND PLACED SO THAT THE FACE GRAIN IS PERPENDICULAR TO THE SUPPORTING MEMBERS (UNO).

(3) PLYWOOD NAILS SHALL HAVE FULL HEADS AND BE OF THE FOLLOWING SIZES:
10D = .148" DIA. X 2-3/8" LONG
8D = .131" DIA. X 2-1/8" LONG.

(4) NO PANEL LESS THAN 24 INCHES WIDE SHALL BE USED IN ANY HORIZONTAL PLYWOOD DIAPHRAGM. NO PANEL LESS THAN 12 INCHES WIDE SHALL BE USED IN ANY VERTICAL PLYWOOD DIAPHRAGM.

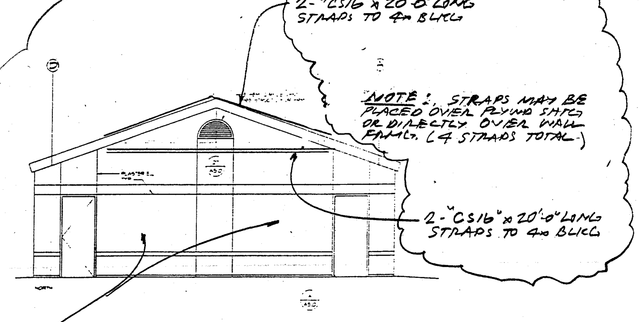
(5) THE EDGES OF ALL OPENINGS SHALL BE PERIMETER NAILED PER THE BOUNDARY NAILING REQUIRED FOR THAT AREA.

(6) THE PLYWOOD EDGE DISTANCE ON A 2-1/2" OR WIGER MEMBER SHALL BE 3/4" MINIMUM. THE PLYWOOD EDGE DISTANCE ON A 1-1/2" WIDE MEMBER SHALL BE 3/8" MINIMUM. NAILS MAY BE SLANT DRIVEN TO MAINTAIN THE MINIMUM EDGE DISTANCE.

(7) TWO LAYERS OF PAPER SHALL BE PLACED BETWEEN ALL PLYWOOD AND CEMENT PLASTER FOR MOISTURE PROTECTION OF THE PLYWOOD.

(8) NAILHEADS SHALL NOT PENETRATE THE OUTER PLY OF PLYWOOD MORE THAN WOULD BE NORMAL FOR A HAND-HAMMER.

(9) THE USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIV. OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

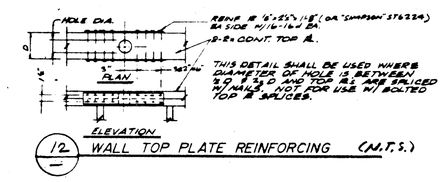


18 EXT. WALL ELEV. @ LINE 1 1/8"=1'-0"

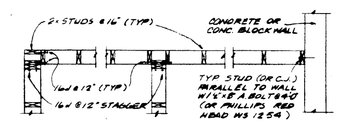
1/2" PLYWD SHTG, APA RATED SHTG EXPOSURE I, 32/16, STRUCT I
10d @ 4" BOUNDARY
10d @ 4" EDGES
10d @ 12" INTERM.
2x SILL PL W/ 3/8"ø A.B. @ 16" W/ PL 3"x3"x0.230 WASHER
3x OR 4x STUDS @ VERT PLYWD JTS.

Alternates & Clarifications

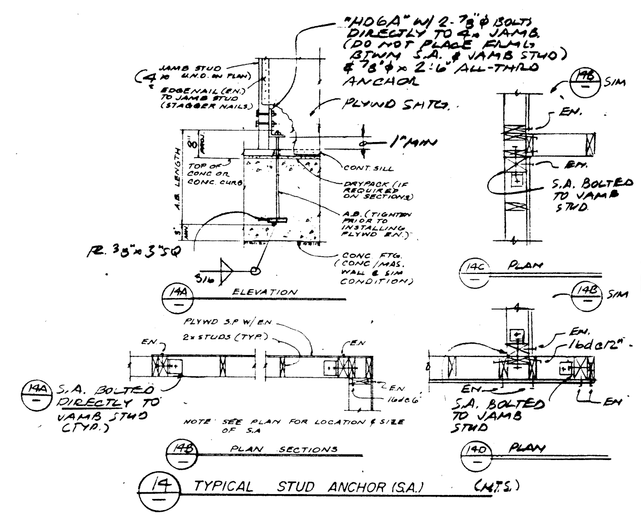
1. Detail B.1/S2 - The 4x10 shaped ridge beam shall be shaped on the top and bottom so as to align with the top and bottom of the adjacent 2x8.
2. Detail 14/S2- The top double plate below the 4x ridge may be notched and/or placed in a light gage beam seat so as to provide positive bearing.
3. Detail 14/S2 – The attic vent unit may be let-in to the 2x6 & 4x6 wall framing up to 5/8" in-lieu-of the clear opening as shown of the approved documents.
4. Details 9/S2, 12/S2 & 12A/S2
   a. Omit - 2x4 flat blocking between the shaped blocking & the double top plate.
   b. Add - "A34" @ 24" OC between the shaped blocking and double top plate.
5. Add Detail 18/S1
6. Add Detail 14/S2 "REVISED"



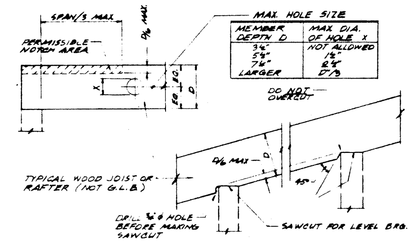
12 WALL TOP PLATE REINFORCING (N.T.S.)



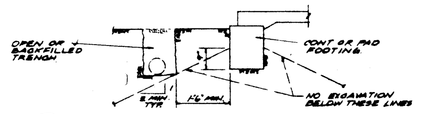
13 STUD WALL CONNECTIONS (N.T.S.)



14 TYPICAL STUD ANCHOR (SA) (N.T.S.)



15 NOTCH and HOLE DETAILS (N.T.S.)



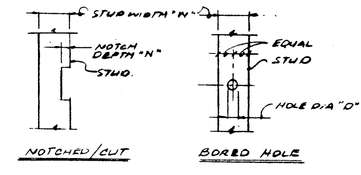
16 TRENCH - FOOTING CLEARANCE (N.T.S.)

MEMBER SIZE & SPACING	MAX SPAN	
	GYP. BD. FINISH	PLASTER FINISH
2x @ 16"	8'-0"	7'-0"
2x @ 16"	14'-0"	11'-0"
2x @ 16"	15'-0"	15'-0"

NOTES

1. SEE ARCH DRWGS. FOR C.J. FRMG PLAN & MAX JOIST SPACING
2. COORD C.J. FRMG. W/ STRUCT. DETAILS.

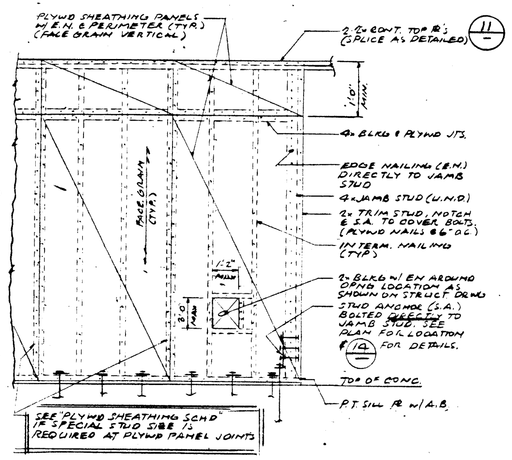
17 CEILING JOIST SCHD (N.T.S.)



STUD LOCATION	STUD WIDTH "N"	MAX NOTCH DEPTH "N"	MAX BORED HOLE DIA "D"
EXTERIOR & BEARING WALL	3 1/2"	0"	1 1/8"
	2 1/2"	0"	1 7/8"
	1 1/2"	0"	2 3/8"
NON-BEARING PARTITIONS	3 1/2"	1 1/8"	1 1/8"
	2 1/2"	2 1/2"	1 7/8"
	1 1/2"	2 1/2"	2 3/8"

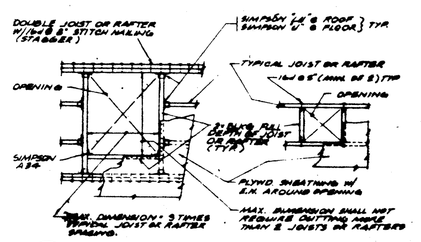
NOTES: 1 DO NOT OVER CUT

7 TYPICAL STUD NOTCHES & BORED HOLES (N.T.S.)

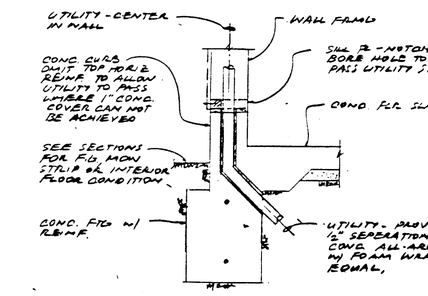


8 SHEAR PANEL DETAILS (N.T.S.)

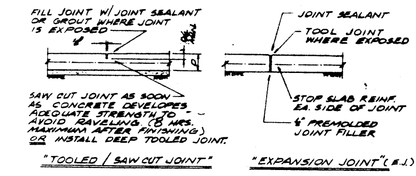
NOTE: COORDINATE LOCATION W/ MECHANICAL



9 FLOOR and ROOF OPENING DETAILS (N.T.S.)

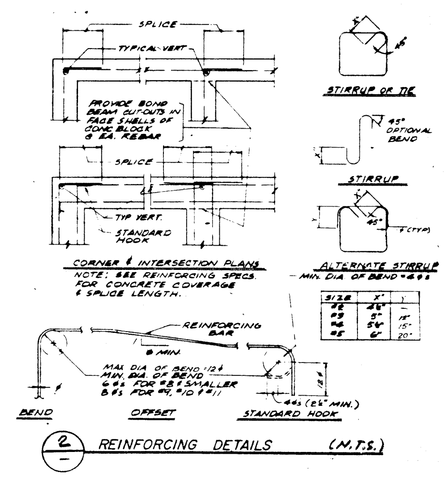


10 UTILITY IN WALL (N.T.S.)



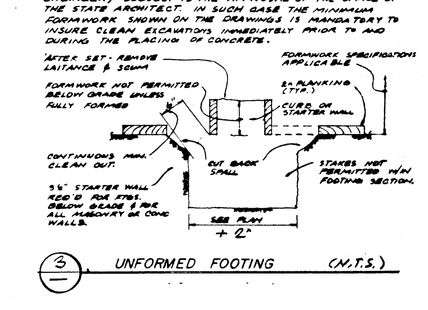
1. WHERE DRAWINGS INDICATE C.J. (CONTROL JOINT), CONTRACTOR SHALL USE AN "EXPANSION JOINT" OR "CONSTRUCTION JOINT" AS SHOWN ABOVE. SPACED @ 12' O.C. EA WAY, MAX. (U.N.O.).
2. WHERE DRAWINGS INDICATE E.J., CONTRACTOR SHALL USE EXPANSION JOINT AS SHOWN ABOVE.
3. SEE FOUNDATION PLAN FOR SLAB & SUBGRADE DETAILS.

1 CONCRETE SLAB JOINT (N.T.S.)

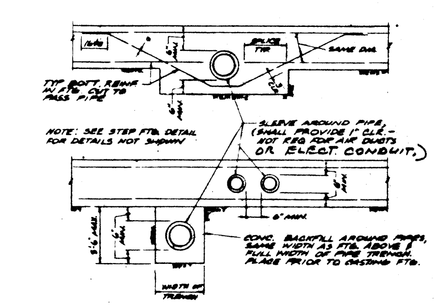


2 REINFORCING DETAILS (N.T.S.)

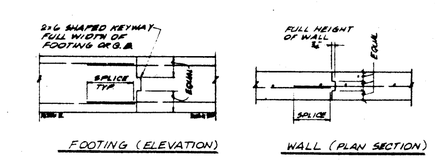
FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE OFFICE OF THE STATE ARCHITECT. IN SUCH CASE THE MINIMUM FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.



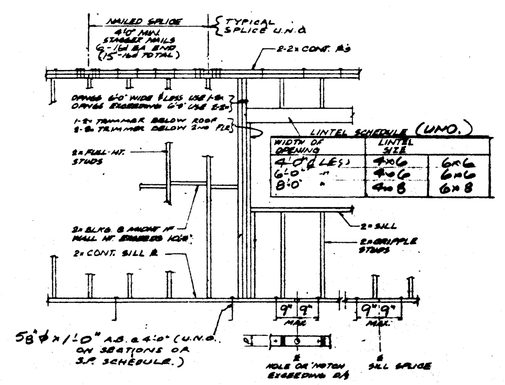
3 UNFORMED FOOTING (N.T.S.)



4 PIPES at FOOTINGS (N.T.S.)



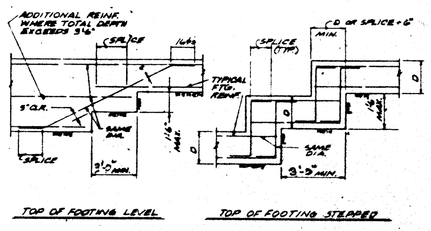
5 CONCRETE CONSTRUCTION JOINTS (N.T.S.)



LINTEL SCHEDULE (UNO.)

WIDTH OF OPENING	LINTEL SIZE	
4'-0" (LES)	4x6	6x6
6'-0" "	4x6	6x6
8'-0" "	4x8	6x8

11 WALL FRAMING DETAILS (N.T.S.)



NOTE: SEE REINFORCING SPECIFICATION FOR CONCRETE COVERAGE & SPLICE LENGTH

6 STEP FOOTINGS (N.T.S.)

MARK	DATE	REVISIONS
1	11/16/00	ALTERNATES & CLARIFICATIONS J.Q.F.
2		
3		
4		
5		

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

RESTROOM BUILDING
RELOCATABLE CLASSROOMS
1015 NOBLE AVE.
FOR
MYRA A. NOBLE SCHOOL
BAKERSFIELD, KERN COUNTY, CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 03-104224
FILE 15-6
AC ____ FLS ____ BS ____
DATE: JAN 2001

ARCHITECT INC.
1201 L STREET
BAKERSFIELD, CA 93301
PH: (661) 327-1632
FAX: (661) 327-2339
LICENSED ARCHITECT STEPHEN J. COBLIN No.C-16789 REN. 11/30/02 CALIFORNIA
STEPHEN J. COBLIN, RCDD, AIA
REGISTERED PROFESSIONAL ENGINEER JOHN Q. FORESTER No. 2528 STRUCTURAL STATE OF CALIFORNIA

GENERAL NOTES & TYPICAL DETAILS

JOB NO. 976
DRAWN: J.Q.F.
CHECKED:
DATE: 01/02/01