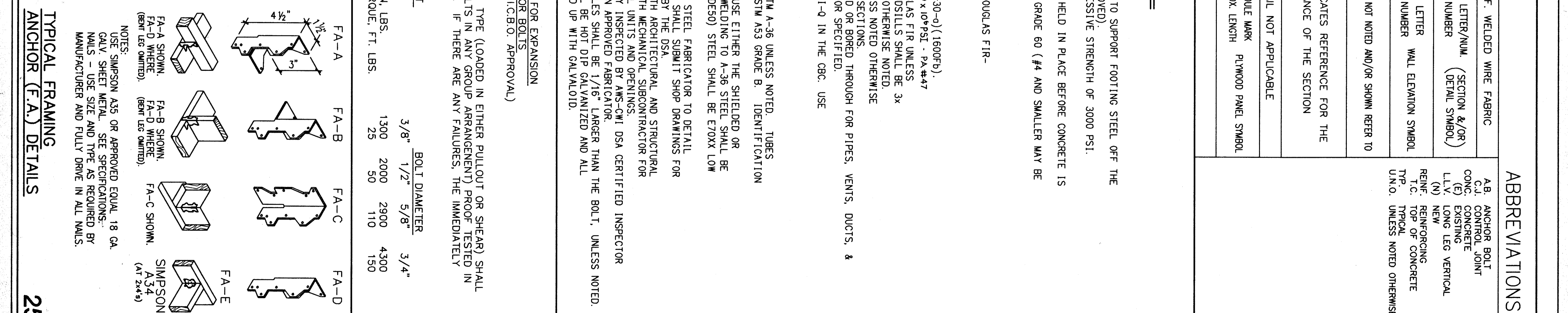
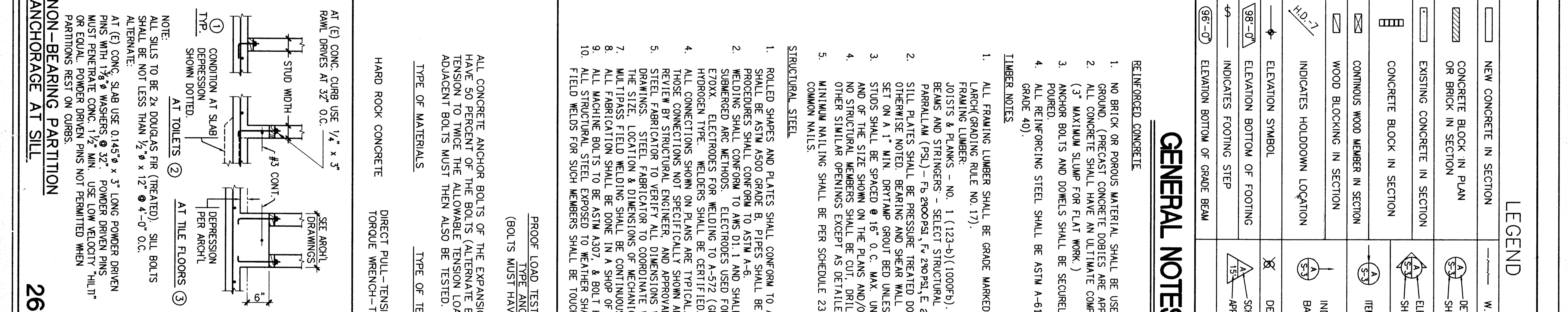
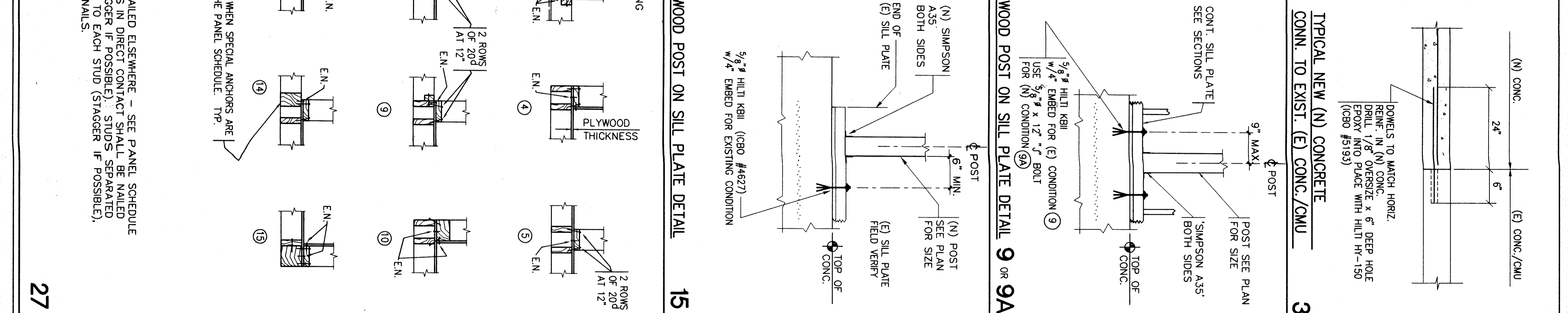
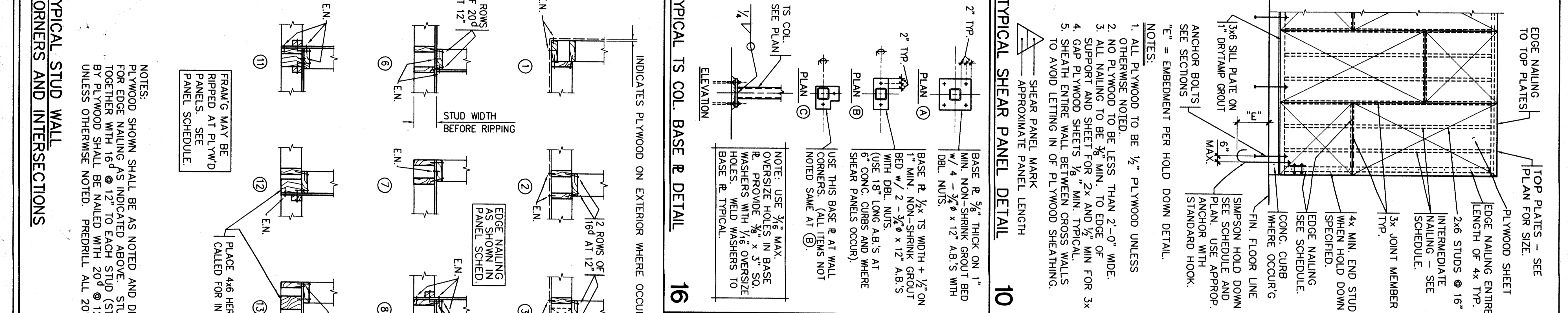
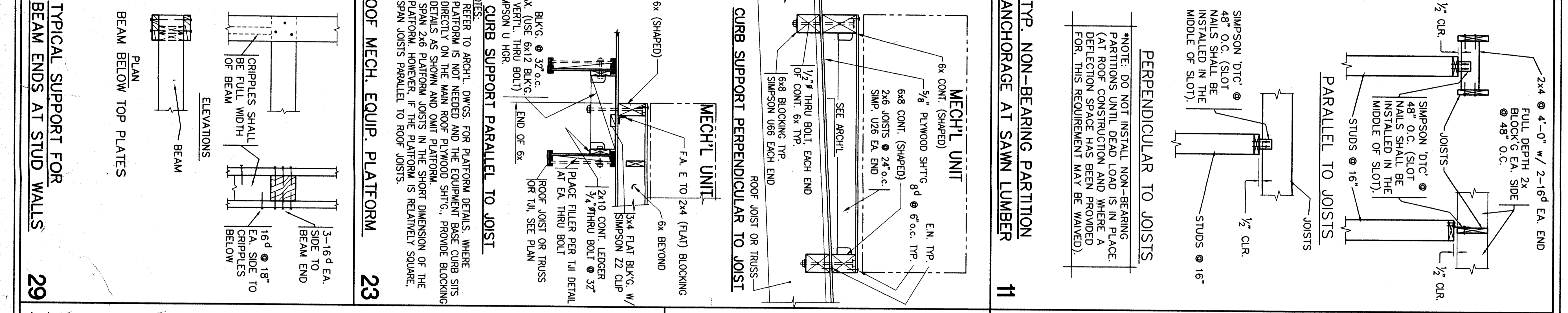
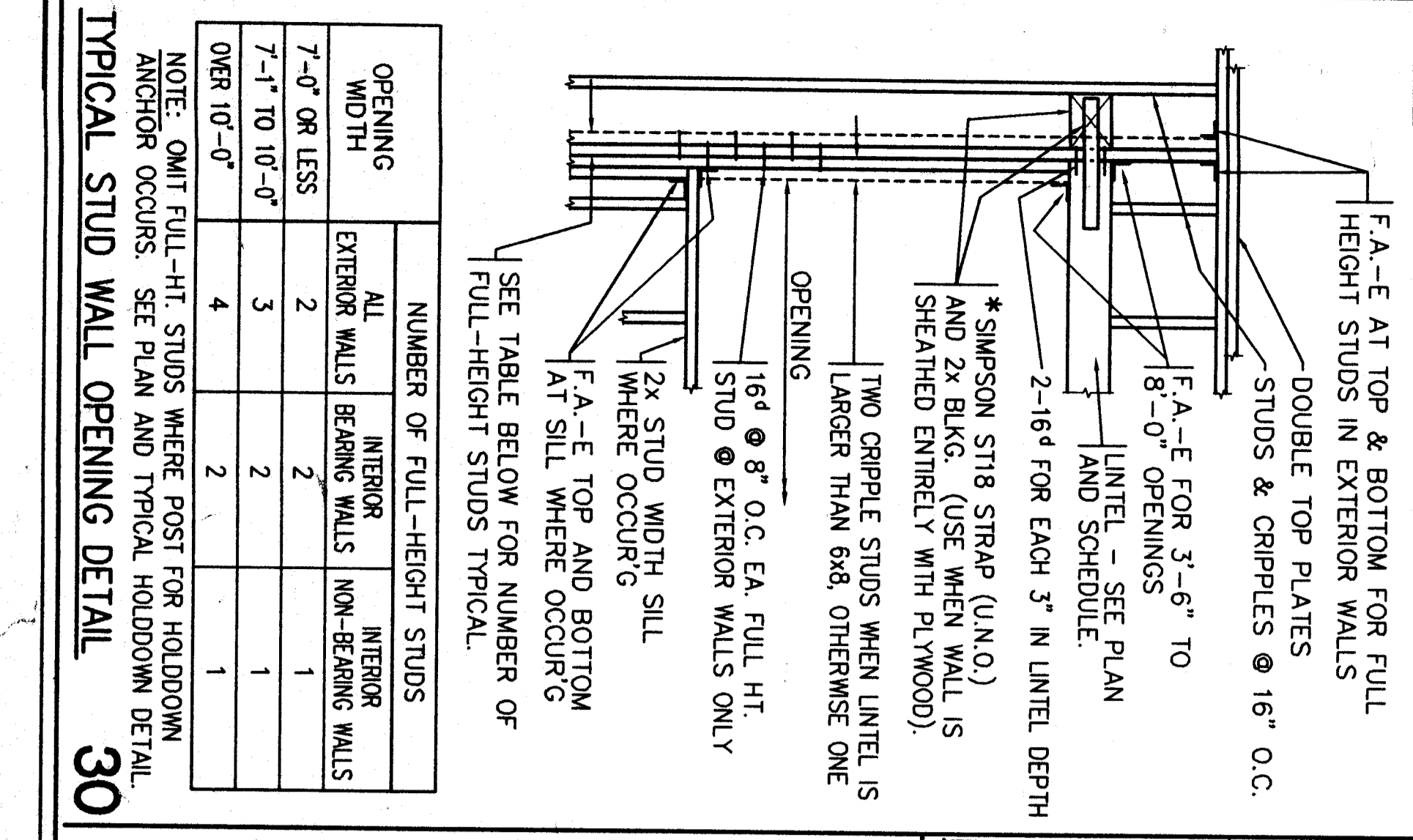


**TYPICAL CEILING JOIST SCHEDULE AND LINTEL SCHEDULE**

CEILING JOIST SCHEDULE	JOIST SIZE	BOLT SIZE & SPACING
6'-0" OR LESS	2x4 @ 16"	3/8" @ 32"
8'-0" OR LESS	2x4 @ 16"	3/8" @ 32"
8'-0" TO 10'-0"	2x6 @ 16"	3/8" @ 32"
10'-0" TO 12'-0"	2x8 @ 16"	3/8" @ 32"
12'-0" TO 14'-0"	2x8 @ 16"	3/8" @ 32"
14'-0" TO 16'-0"	2x8 @ 16"	3/8" @ 32"

**NOTE:** WHERE CEILING JOIST SPAN IS GREATER THAN SHOWN IN THE SCHEDULE USE HANGERS PER CEILING HANGER DETAIL TYPICAL.



**LEGEND**

	NEW CONCRETE IN SECTION
	CONCRETE BLOCK IN PLAN OR BRICK IN SECTION
	EXISTING CONCRETE IN SECTION
	CONCRETE BLOCK IN SECTION
	CONTINUOUS WOOD MEMBER IN SECTION
	WOOD BLOCKING IN SECTION
	INDICATES HOLDDOWN LOCATION
	INDICATES BOTTOM OF FOOTING
	INDICATES FOOTING STEP
	INDICATES BOTTOM OF GRADE BEAM

**ABBREVIATIONS**

	W.W.F. WELDED WIRE FABRIC
	DETL. LETTER/NUM. (SECTION &/OR SHT. NUMBER) (DETAIL SYMBOL)
	ELEV. LETTER WALL ELEVATION SYMBOL
	ITEMS NOT NOTED AND/OR SHOWN REFER TO SCHEDULE
	INDICATES REFERENCE FOR THE BALANCE OF THE SECTION
	DETAIL NOT APPLICABLE
	SCHEDULE MARK PLYWOOD PANEL SYMBOL

**GENERAL NOTES**

- REINFORCED CONCRETE
- NO BRICK OR POROUS MATERIAL SHALL BE USED TO SUPPORT FOOTING STEEL OFF THE GROUND. (PRECAST CONCRETE DOBETES ARE APPROVED)
- ALL CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI.
- MAXIMUM SLUMP FOR FLAT WORK.
- ANCHOR BOLTS AND DOWELS SHALL BE SECURELY HELD IN PLACE BEFORE CONCRETE IS POURED.
- ALL REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 (#4 AND SMALLER MAY BE GRADE 40).

**GENERAL NOTES**

- ALL FRAMING LUMBER SHALL BE GRADE MARKED DOUGLAS FIR-LARCH GRADING RULE NO. 17).
- FRAMING LUMBER: JOISTS & PLANKS - NO. 1 (123-B) (1000FB), BEAMS & STRINGERS - SELECT STRUCTURAL (130-B) (1600FB), PARALLEL (P3) - F5 200PSI, F5 200PSI, E 2.0 x 100PSI - PA-47
- SILL PLATES SHALL BE PRESSURE TREATED DOUGLAS FIR UNLESS OTHERWISE NOTED. BEARING AND SHEAR WALL MODSTILLS SHALL BE SET ON A 1" MIN. DRYTAMP GROUT BED UNLESS OTHERWISE NOTED.
- STUDS SHALL BE SPACED @ 16" O.C. MAX. UNLESS NOTED OTHERWISE AND OF THE SIZE SHOWN ON THE PLANS AND/OR SECTIONS.
- NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED OR BORED THROUGH FOR PIPES, VENTS, DUCTS, & OTHER SIMILAR OPENINGS EXCEPT AS DETAILED OR SPECIFIED.
- MINIMUM NAILING SHALL BE PER SCHEDULE 23A-1-Q IN THE CBC. USE COMMON NAILS.

**STRUCTURAL STEEL**

- ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A-36 UNLESS NOTED. TUBES SHALL BE ASTM A500 GRADE B. PIPES SHALL BE ASTM A53 GRADE B. IDENTIFICATION PROCEDURES SHALL CONFORM TO ASTM A-66.
- WELDING SHALL CONFORM TO AWS D1.1 AND SHALL USE EITHER THE SHIELDED OR SUBMERGED ARC METHODS. ELECTRODES USED FOR WELDING TO A-36 STEEL SHALL BE E70XX. ELECTRODES FOR WELDING TO A-572 (GRADE50) STEEL SHALL BE E70XX LOW HYDROGEN TYPE. WELDERS SHALL BE CERTIFIED.
- ALL CONNECTIONS SHOWN ON PLANS ARE TYPICAL. STEEL FABRICATOR TO DETAIL THOSE CONNECTIONS NOT SPECIFICALLY SHOWN AND SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY STRUCTURAL ENGINEER AND APPROVAL BY THE DSA.
- STEEL FABRICATOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. STEEL FABRICATOR TO COORDINATE WITH MECHANICAL, SUBCONTRACTOR FOR THE SIZE, LOCATION AND DIMENSIONS OF MECHANICAL UNITS AND OPENINGS.
- ALL FABRICATION SHALL BE CONFORM TO THE MECHANICAL UNITS AND OPENINGS.
- ALL FABRICATION SHALL BE INSPECTED PER AIA DSA CERTIFIED INSPECTOR.
- ALL MACHINE BOLTS TO BE ASTM A307 & BOLT HOLES SHOT DRILL GALVANIZED AND ALL FIELD WELDS FOR SUCH MEMBERS SHALL BE TOUCHED UP WITH GALVALOID.
- ALL STRUCTURAL STEEL TO BE EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED AND ALL FIELD WELDS FOR SUCH MEMBERS SHALL BE TOUCHED UP WITH GALVALOID.

**PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS (BOLTS MUST HAVE I.C.B.O. APPROVAL)**

TYPE OF MATERIALS	TYPE OF TEST	BOLT DIAMETER
HARD ROCK CONCRETE	DIRECT PULL-TENSION, LBS.	3/8" 1300
	TORQUE WRENCH-TORQUE, FT. LBS.	1/2" 2000
		5/8" 2900
		3/4" 4300

**RUTH HARDING ELEMENTARY MODERNIZATION**  
3201 PICO AVE. FOR BAKERFIELD CITY SCHOOL DISTRICT  
BAKERSFIELD, KERN COUNTY, CALIFORNIA

**SC Architect, Inc.**  
1901 L Street  
Bakersfield, CA 93301  
(805) 327-1052

**GENERAL NOTES**

- REINFORCED CONCRETE
- NO BRICK OR POROUS MATERIAL SHALL BE USED TO SUPPORT FOOTING STEEL OFF THE GROUND. (PRECAST CONCRETE DOBETES ARE APPROVED)
- ALL CONCRETE SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI.
- MAXIMUM SLUMP FOR FLAT WORK.
- ANCHOR BOLTS AND DOWELS SHALL BE SECURELY HELD IN PLACE BEFORE CONCRETE IS POURED.
- ALL REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 (#4 AND SMALLER MAY BE GRADE 40).

**GENERAL NOTES**

- ALL FRAMING LUMBER SHALL BE GRADE MARKED DOUGLAS FIR-LARCH GRADING RULE NO. 17).
- FRAMING LUMBER: JOISTS & PLANKS - NO. 1 (123-B) (1000FB), BEAMS & STRINGERS - SELECT STRUCTURAL (130-B) (1600FB), PARALLEL (P3) - F5 200PSI, F5 200PSI, E 2.0 x 100PSI - PA-47
- SILL PLATES SHALL BE PRESSURE TREATED DOUGLAS FIR UNLESS OTHERWISE NOTED. BEARING AND SHEAR WALL MODSTILLS SHALL BE SET ON A 1" MIN. DRYTAMP GROUT BED UNLESS OTHERWISE NOTED.
- STUDS SHALL BE SPACED @ 16" O.C. MAX. UNLESS NOTED OTHERWISE AND OF THE SIZE SHOWN ON THE PLANS AND/OR SECTIONS.
- NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED OR BORED THROUGH FOR PIPES, VENTS, DUCTS, & OTHER SIMILAR OPENINGS EXCEPT AS DETAILED OR SPECIFIED.
- MINIMUM NAILING SHALL BE PER SCHEDULE 23A-1-Q IN THE CBC. USE COMMON NAILS.

**STRUCTURAL STEEL**

- ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A-36 UNLESS NOTED. TUBES SHALL BE ASTM A500 GRADE B. PIPES SHALL BE ASTM A53 GRADE B. IDENTIFICATION PROCEDURES SHALL CONFORM TO ASTM A-66.
- WELDING SHALL CONFORM TO AWS D1.1 AND SHALL USE EITHER THE SHIELDED OR SUBMERGED ARC METHODS. ELECTRODES USED FOR WELDING TO A-36 STEEL SHALL BE E70XX. ELECTRODES FOR WELDING TO A-572 (GRADE50) STEEL SHALL BE E70XX LOW HYDROGEN TYPE. WELDERS SHALL BE CERTIFIED.
- ALL CONNECTIONS SHOWN ON PLANS ARE TYPICAL. STEEL FABRICATOR TO DETAIL THOSE CONNECTIONS NOT SPECIFICALLY SHOWN AND SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY STRUCTURAL ENGINEER AND APPROVAL BY THE DSA.
- STEEL FABRICATOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS. STEEL FABRICATOR TO COORDINATE WITH MECHANICAL, SUBCONTRACTOR FOR THE SIZE, LOCATION AND DIMENSIONS OF MECHANICAL UNITS AND OPENINGS.
- ALL FABRICATION SHALL BE CONFORM TO THE MECHANICAL UNITS AND OPENINGS.
- ALL FABRICATION SHALL BE INSPECTED PER AIA DSA CERTIFIED INSPECTOR.
- ALL MACHINE BOLTS TO BE ASTM A307 & BOLT HOLES SHOT DRILL GALVANIZED AND ALL FIELD WELDS FOR SUCH MEMBERS SHALL BE TOUCHED UP WITH GALVALOID.
- ALL STRUCTURAL STEEL TO BE EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED AND ALL FIELD WELDS FOR SUCH MEMBERS SHALL BE TOUCHED UP WITH GALVALOID.

**PROOF LOAD TESTS FOR EXPANSION TYPE ANCHOR BOLTS (BOLTS MUST HAVE I.C.B.O. APPROVAL)**

TYPE OF MATERIALS	TYPE OF TEST	BOLT DIAMETER
HARD ROCK CONCRETE	DIRECT PULL-TENSION, LBS.	3/8" 1300
	TORQUE WRENCH-TORQUE, FT. LBS.	1/2" 2000
		5/8" 2900
		3/4" 4300

**TYPICAL DETAILS**

**MARK DATE REVISIONS**

MARK	DATE	REVISIONS
1		
2		
3		
4		

**DATE: 2/28/09**

**10**