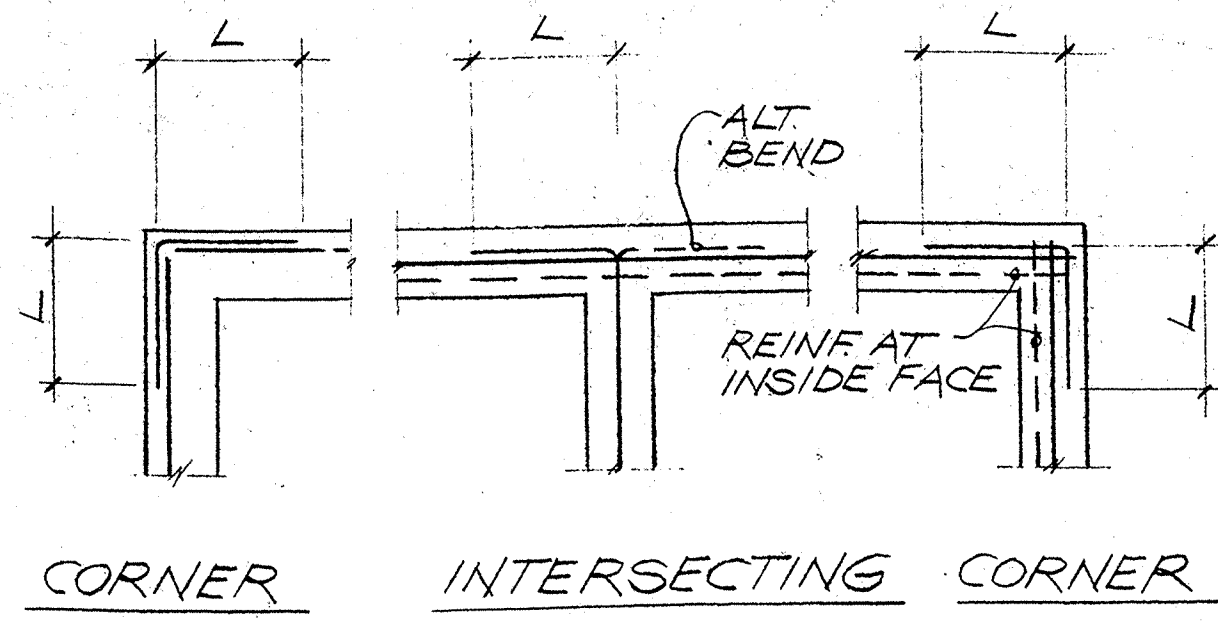
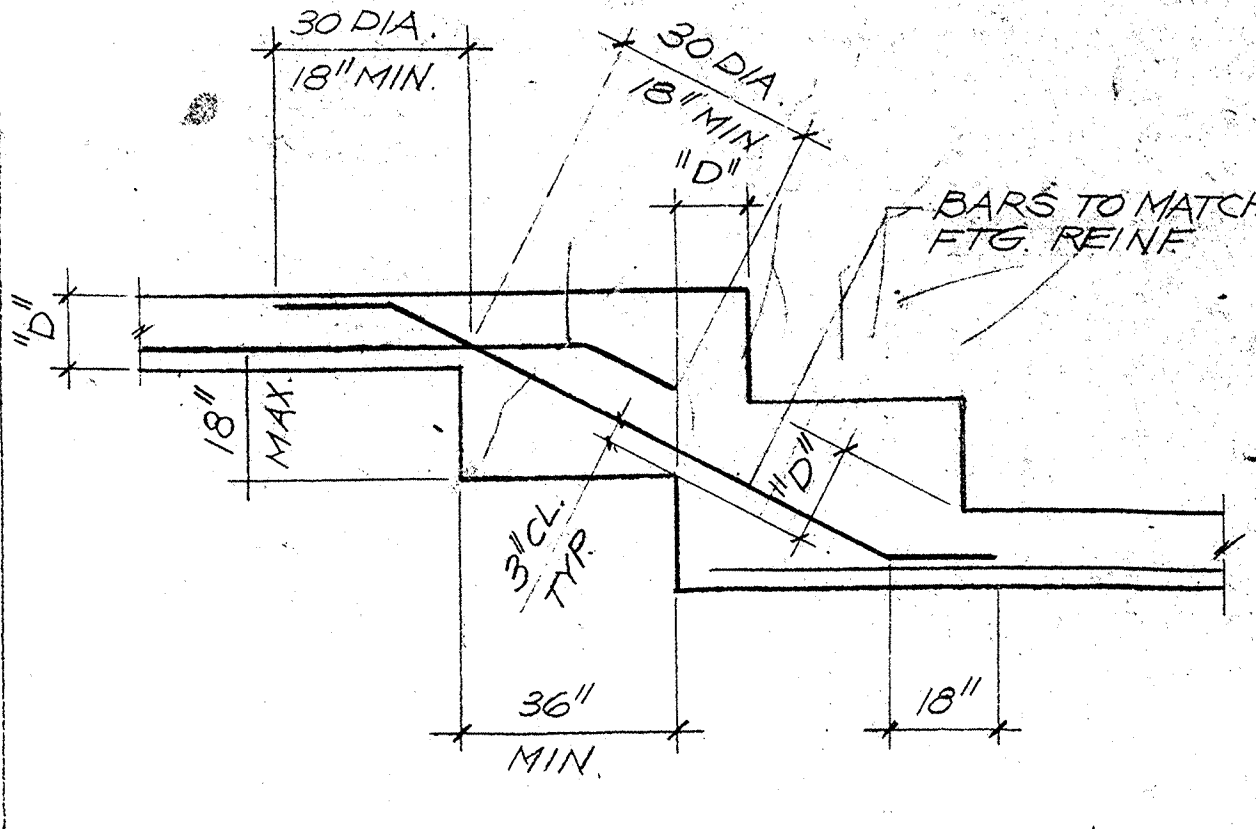


L = 40 BAR DIA - 2'-0" MIN. - MASONRY
L = 36 BAR DIA - 2'-0" MIN. - CONCRETE



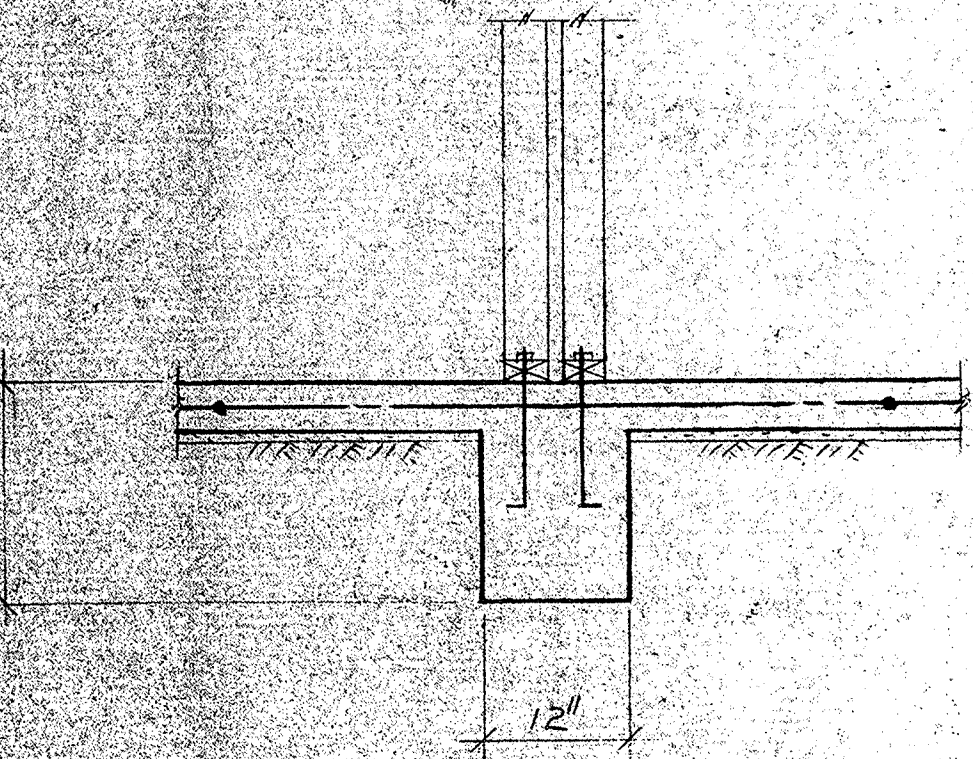
1. WHERE SPICE OF DIFFERENT SIZE BARS USE LAP BASED ON LARGER BAR DIA.
2. FOR REINFG SEE SECTIONS & DETAILS.



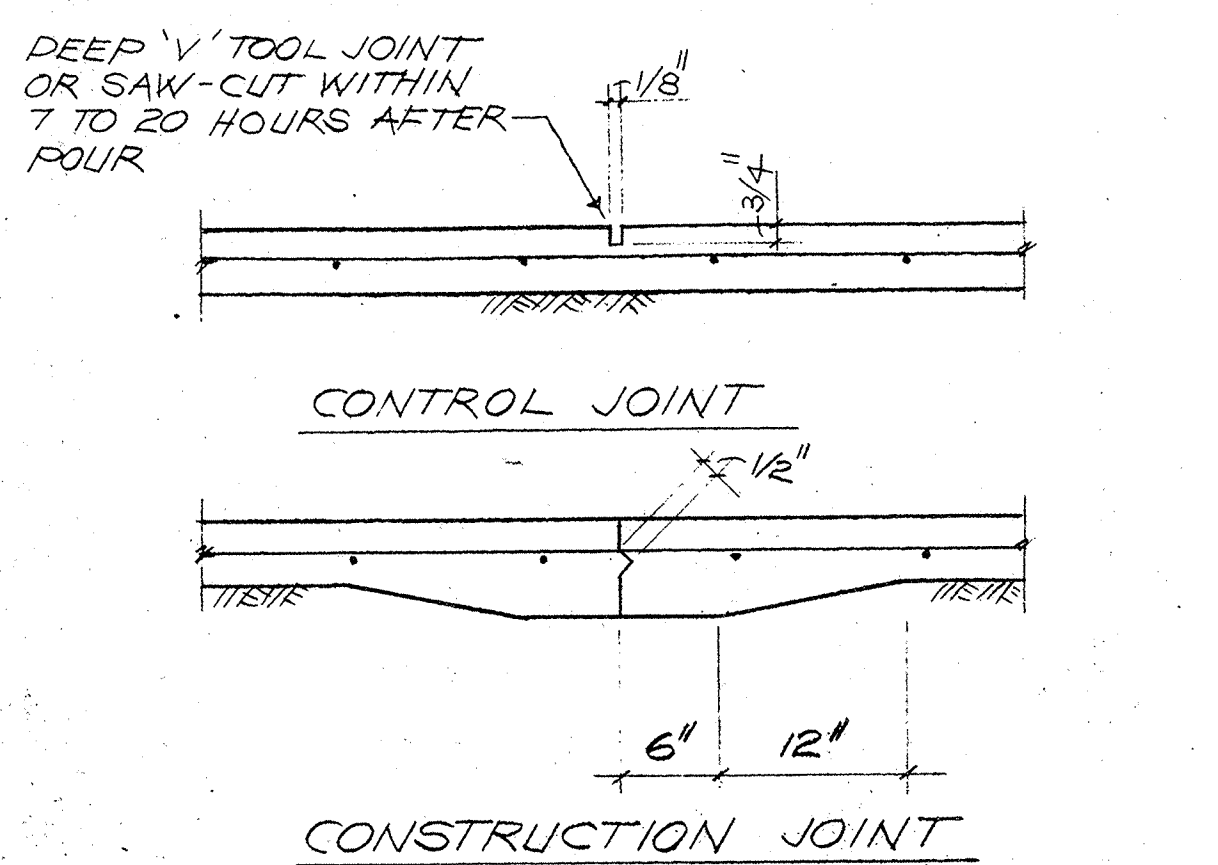
TYPICAL STEPPED FOOTING

- CONCRETE BLOCK MASONRY**
- CONCRETE BLOCK UNITS SHALL BE LIGHTWEIGHT GRADE "N" UNITS CONFORMING TO ASTM C 90. REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATIONS FOR BLOCK SIZE, FACE, COLOR, JOINTING, ETC.
 - BLOCK UNITS SHALL BE SUFFICIENTLY MOIST AT TIME OF LAYING TO PREVENT DEHYDRATION OF MORTAR AND GROUT AND SHALL BE FREE OF ALL SUBSTANCES WHICH MIGHT IMPAIR THE BOND OF THE UNITS TO MORTAR AND GROUT.
 - MORTAR SHALL BE MACHINE MIXED TYPE "S" MIX CONSISTING OF, BY VOLUME, 1 PART CEMENT 1/4 PART TO 1/2 LIME PUTTY, AND DAMP LOOSE AGGREGATE NOT LESS THAN 2-1/4 NOR MORE THAN 3 TIMES THE SUM OF THE VOLUMES OF CEMENT AND LIME PUTTY USED.
 - GROUT SHALL BE MACHINE MIXED BY VOLUME AND CONSIST OF 1 PART CEMENT, 2 TO 3 PARTS SAND WITH 1/10 PART LIME PUTTY. GROUT SPACE MORE THAN 4 IN. IN WIDTH MAY HAVE IN ADDITION TO THE SAME NOT MORE THAN 2 PARTS-PEA GRAVEL.
 - CEMENT FOR MORTAR & GROUT SHALL BE LOW ALKALI TYPE CONFORMING TO ASTM C 150.
 - MORTAR & GROUT SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH AT AGE 28 DAYS OF:
MORTAR 3000 PSI
GROUT 2000 PSI
 - CONTINUOUS INSPECTION IS NOT REQUIRED FOR CONCRETE BLOCK WALLS.
 - GROUT ALL CELLS CONTAINING REINFORCING, BOLTS OR IN CONTACT WITH SOIL UNLESS OTHERWISE NOTED.

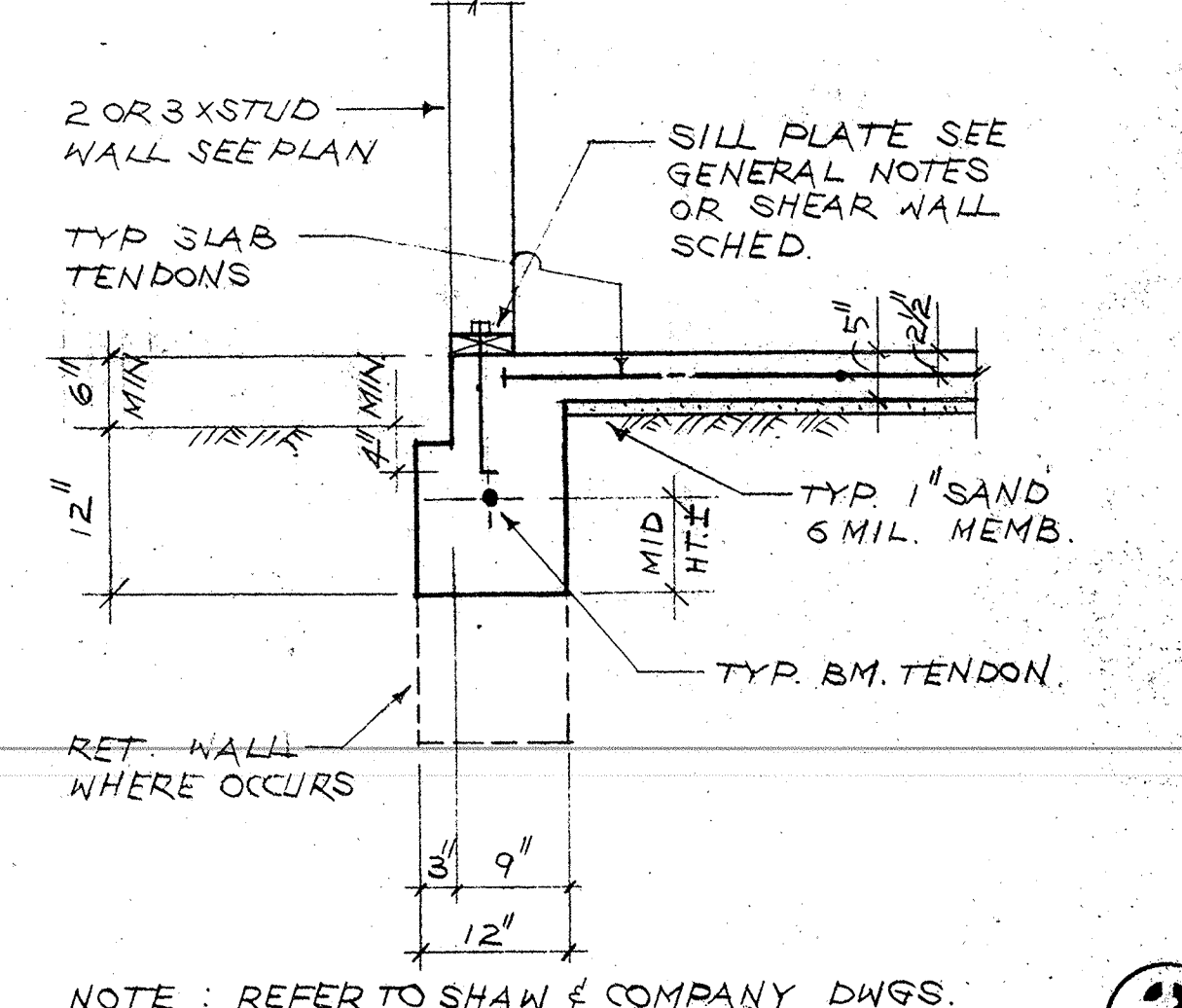
- GENERAL**
- THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR:
A. ALL CONTRACT DOCUMENTS.
B. DIMENSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE CONTRACT DOCUMENTS.
C. ALL DIMENSIONS AND CONDITIONS AT THE SITE.
D. ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURE.
E. ENSURING PROPER ALIGNMENT OF FINAL STRUCTURE.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND THE STRUCTURAL ENGINEER OF ANY DISCREPANCY OR OMISSION BEFORE PROCEEDING WITH THE WORK.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL REGULATING AGENCIES EXERCISING AUTHORITY OVER ANY PORTION OF THE WORK, I.E. STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND CAL/OSHA, ETC. AND SHALL CONFORM TO THE UNIFORM BUILDING CODE, 1982 EDITION.
 - ALL WORK SHALL CONFORM TO THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES COMPRISING THE WORK.
 - ANY ASTM DESIGNATIONS SHALL BE AS AMENDED TO DATE.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING FOR ALL STRUCTURAL MEMBERS OR AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
 - SPECIFIC NOTES & DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES & TYPICAL DETAILS.
 - CONTRACTOR SHALL GIVE DUE AND LEGAL NOTICE TO ADJACENT PROPERTY OWNERS REGARDING THE PROTECTION OF THEIR PROPERTY AND STRUCTURES WHICH MAY BE NECESSARY DUE TO EXCAVATION & CONSTRUCTION INDICATED ON THESE DRAWINGS, IN DUE TIME PRIOR TO START OF EXCAVATION.



DETAILS NOT NOTED ARE SAME AS 3/S1



NOTE:
CONSTR. JOINT DET IS MANDATORY FOR FOUR JOINTS AT OWNERS OPTION THE SLAB CAN BE POURED CONTINUOUS & CONTROL JOINT DET MAY BE USED EVERYWHERE ELSE. FLOOR SLAB TO BE POURED IN STRIP LANE PATTERN. CONSTRUCTION JOINT TO BE USED IN LONG DIRECTION. CONTROL JOINT IN THE TRANSVERSE DIRECTION. MAX AREA BETWEEN JOINTS = 400 SQ. FT.

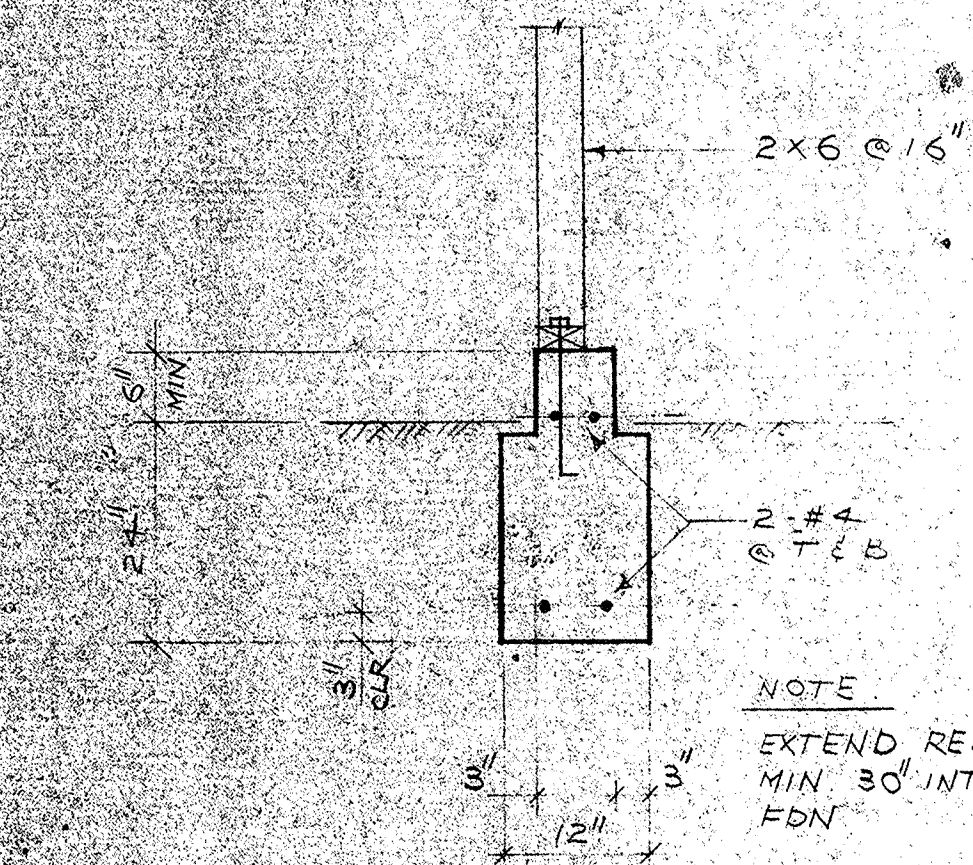


NOTE: REFER TO SHAW & COMPANY DWGS. FOR POST-TENSIONING DETAILS AND INFORMATION NOT SHOWN HERE.

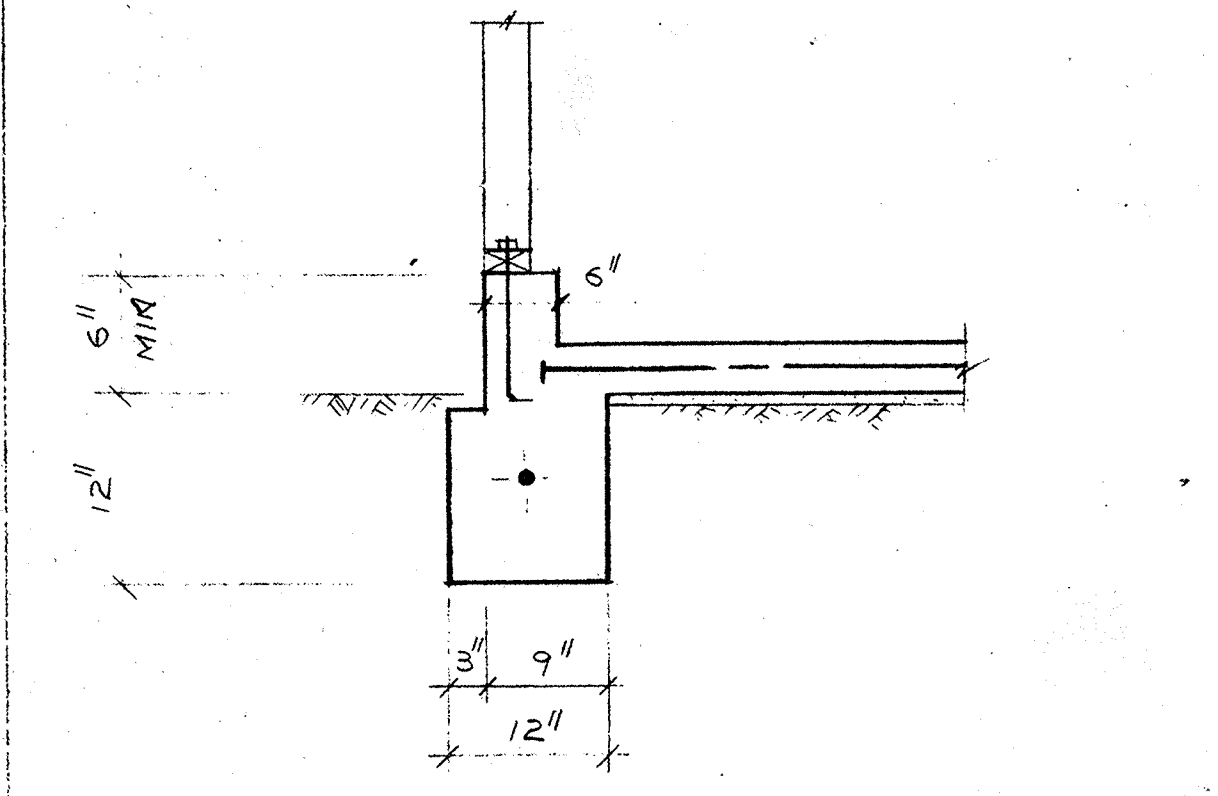
- CONCRETE**
- ALL CONCRETE USED IN THE WORK SHALL HAVE THE ULTIMATE COMPRESSIVE STRENGTH OF 2500 PSI AT AGE 28 DAYS EXCEPT FOR CONCRETE WALLS AND EXTERIOR FLATWORK WHICH MAY BE 2000 PSI AT AGE 28 DAYS.
 - ALL CONCRETE SHALL BE STONE CONCRETE UTILIZING AGGREGATE CONFORMING TO ASTM C 33. CEMENT SHALL BE TYPE I OR II CONFORMING TO ASTM C 150.
 - CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS, MIN.:
A. CONCRETE AGAINST EARTH (UNFORMED)-----3"
B. CONCRETE AGAINST EARTH (FORMED)-----2"
 - BEFORE CONCRETE IS PLACED THE CONTRACTOR SHALL COORDINATE & CHECK WITH ALL TRADES TO ENSURE THE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, INSERTS, CURBS, DEPRESSIONS, ETC. RELATING TO THE WORK, AS SHOWN IN THE DRAWINGS. ANY CHANGE OR DISCREPANCY SHALL BE APPROVED BY THE STRUCTURAL ENGINEER & LOCAL BUILDING AGENCY PRIOR TO PLACING OF CONCRETE.
 - PLACEMENT DRAWINGS FOR REINFORCING STEEL SHALL BE PROVIDED AT THE JOB SITE A MINIMUM OF ONE WORKING DAY PRIOR TO PLACING OF REINFORCING STEEL.
 - CONCRETE QUALITY: INSPECTION AND TESTS SHALL CONFORM TO THE LOCAL BUILDING CODE REQUIREMENTS FOR CONCRETE DESIGNED BY ULTIMATE STRENGTH METHOD.
 - ALL CONCRETE MIXES SHALL CONFORM TO THE PROPORTIONS ESTABLISHED BY CODE FOR THE VARIOUS CONCRETE STRENGTHS REQUIRED FOR THE WORK. CONTRACTOR SHALL ENGAGE A CERTIFIED INDEPENDENT TESTING LABORATORY TO PREPARE DESIGNS FOR THE WORK. COPIES OF SUCH MIX DESIGN, AS WELL AS 7 DAY AND 28 DAY CYLINDER TEST RESULTS SHALL BE SENT TO THE STRUCTURAL ENGINEER AND THE LOCAL BUILDING OFFICIAL & OBTAIN APPROVAL PRIOR TO ITS USE IN THE WORK.
 - ALL CONCRETE WITH A 28 DAY STRENGTH IN EXCESS OF 2000 PSI SHALL HAVE CONTINUOUS INSPECTION BY A REGISTERED DEPUTY INSPECTOR.

- WOOD FRAMING**
- ALL LUMBER SHALL BE STRESS GRADED DOUGLAS FIR/LARCH UNLESS OTHERWISE NOTED.
A. 2x4 & 2x6 STUDS-----STUD GRADE-----
B. ROOF JOISTS & 2x6 STUDS-----D.F. # 2 JAP-----1450 PSI
C. FLOOR JOISTS-----D.F. # 2 JAP-----1450 PSI
D. ALL BEAMS LESS THAN 5 IN. THICK-----D.F. # 1 JAP-----1500 PSI
E. BEAMS GREATER THAN 5 IN. THICK-----SELECT STRUGS 880-1600 PSI
F. POSTS-----D.F. # 1 PRT-----925 PSI
 - ALL WOOD IN DIRECT CONTACT WITH THE GROUND, MASONRY OR CONCRETE SHALL BE TREATED WITH A PRESERVATIVE OR SHALL BE DECAY RESISTANT WOOD-AS PRESCRIBED IN DIV. 31 (WOOD PRESERVATIVE).
 - ALL WALLS SHALL BE BOLTED TO FOUNDATIONS (CONCRETE OR CONCRETE BLOCK) WITH 1/2" Ø ANCHOR BOLTS WITHIN 12" OF THE END OF EACH WALL PANEL AND NOT MORE THAN 6" OF O.C. OR 7/32" SHOT PINS AT 32" O.C. FOR INTERIOR WALLS ONLY, EXCEPT AS CALLED OUT FOR SHEAR WALLS.
 - A DOUBLE PLATE MADE OF TWO MEMBERS OF THE SAME SIZE AS THE STUDS SHALL BE PLACED AT THE TOP OF EVERY BEARING PARTITION OR EXTERIOR WALL. SUCH DOUBLE PLATES SHALL BE LAPPED AT CORNER, AND JOINTS IN UPPER & LOWER MEMBERS SHALL BE AT LEAST 4 FEET APART EXCEPT AT CORNERS.
 - EXTERIOR WALLS AND BEARING PARTITIONS SHALL BE FRAMED OF 2x4 STUDS AT 16" O.C. WHEN SUPPORTING LOADS FROM ROOF AND A MAXIMUM OF ONE FLOOR ABOVE, UNLESS NOTED OTHERWISE. STAGGERED STD WALLS USE 2x4 AT 16" EA. SIDE TYP. AT ALL FLOORS, U.N.O.
 - EVERY WOOD STUD BEARING WALL OR BEARING PARTITIONS SHALL BE BRACED AT EACH END OR AS NEAR THERETO AS POSSIBLE AND AT LEAST EVERY 25 FEET OF ITS LENGTH. THE TYPE OF BRACING SHALL MEET THE CODE REQUIREMENTS FOR THIS PURPOSE.
 - FLOOR JOISTS SHALL BE DOUBLED UNDER PARTITIONS RUNNING PARALLEL TO THE JOISTS. USE DOUBLE STUDS OR 4x POSTS UNDER DOUBLE JOISTS OR 4x BEAMS UNLESS OTHERWISE CALLED FOR ON FRAMING PLANS.
 - ALL NAILING SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE LOCAL BUILDING CODE EXCEPT AS OTHERWISE SHOWN AND SHALL BE DONE WITH COMMON WIRE NAILS UNLESS OTHER TYPE OF NAILS IS ALLOWED BY THE LOCAL BUILDING CODE. (SEE ALSO PLYWOOD NOTES.)
 - BOLTS SHALL BE UNFINISHED BOLTS CONFORMING TO ASTM A 30.
 - PLYWOOD SHALL BE INTERIOR TYPE WITH EXTERIOR GLUE CONFORMING TO PSI 74 OF GRADE CALLED FOR BELOW, LAID WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. USE COMMON NAILS ONLY UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER & LOCAL BUILDING OFFICIAL.
A. ROOF SHEATHING SHALL BE 1/2" IN. PLYWOOD, CDX, NAILED WITH 8" NAILS @ 16" O.C. AT ALL DIAPHRAGM & WALL BOUNDARIES. CONTINUOUS PANEL EDGES ARE NOT BLOCKED. 10" NAILS @ 6" O.C. AT PLYWOOD PANEL EDGES AND 10" NAILS @ 10" O.C. TO INTERMEDIATE SUPPORTS. INDEX #232/K
B. FLOOR SHEATHING SHALL BE 5/8" PLYWOOD, STRUCT. II, NAILED WITH 10" NAILS @ 6" O.C. AT ALL DIAPHRAGM & WALL BOUNDARIES. CONTINUOUS PANEL EDGES ARE NOT BLOCKED. 10" NAILS @ 6" O.C. AT PLYWOOD PANEL EDGES AND 10" NAILS @ 10" O.C. TO INTERMEDIATE SUPPORTS. INDEX #232/K
C. PLYWOOD SHEATHING SHALL BE INSPECTED & APPROVED BY BUILDING INSPECTOR PRIOR TO COVERING WITH FLOOR OR ROOF MATERIAL.
D. ALL PLYWOOD FOR ROOF AND FLOORS SHALL BE 1/2" & 5/8" PLYWOOD LAID AS CALLED FOR ABOVE.

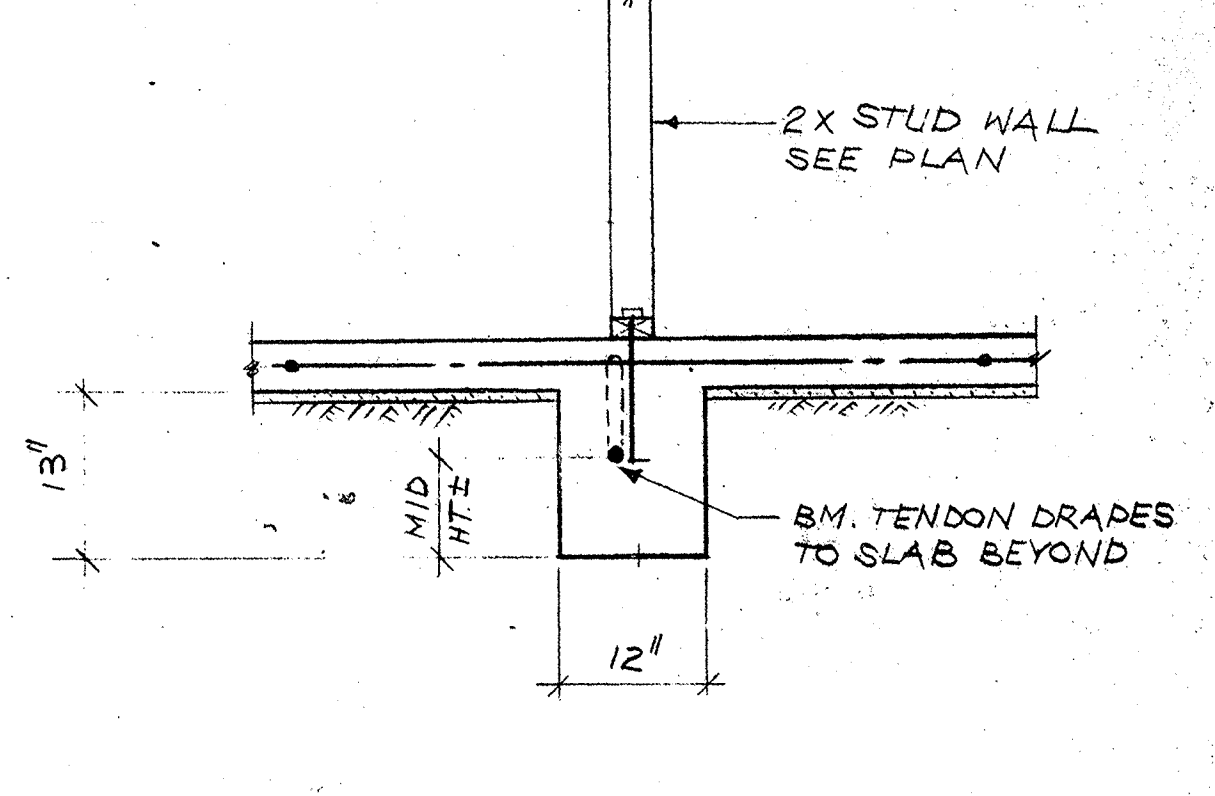
- ROOF TRUSSES**
- ROOF TRUSSES SHALL BE MANUFACTURED BY A FABRICATOR EXPERIENCED IN THIS TYPE OF WORK TO THE SHAPES INDICATED ON THE DRAWINGS.
 - FABRICATOR SHALL SUBMIT CALCULATIONS AND TRUSS DETAIL FOR APPROVAL PRIOR TO FABRICATION.



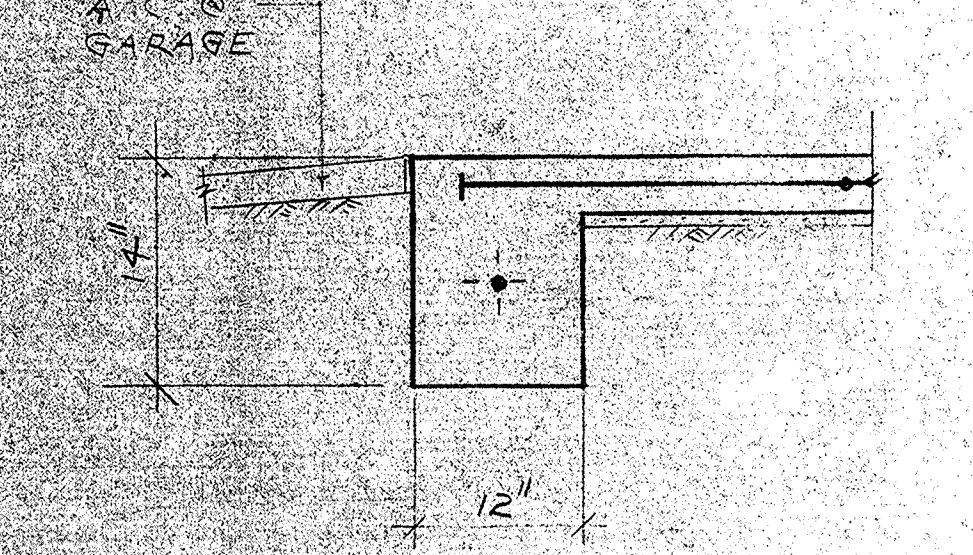
NOTE
EXTEND REBAR MIN 30" INTO SLAB FOR



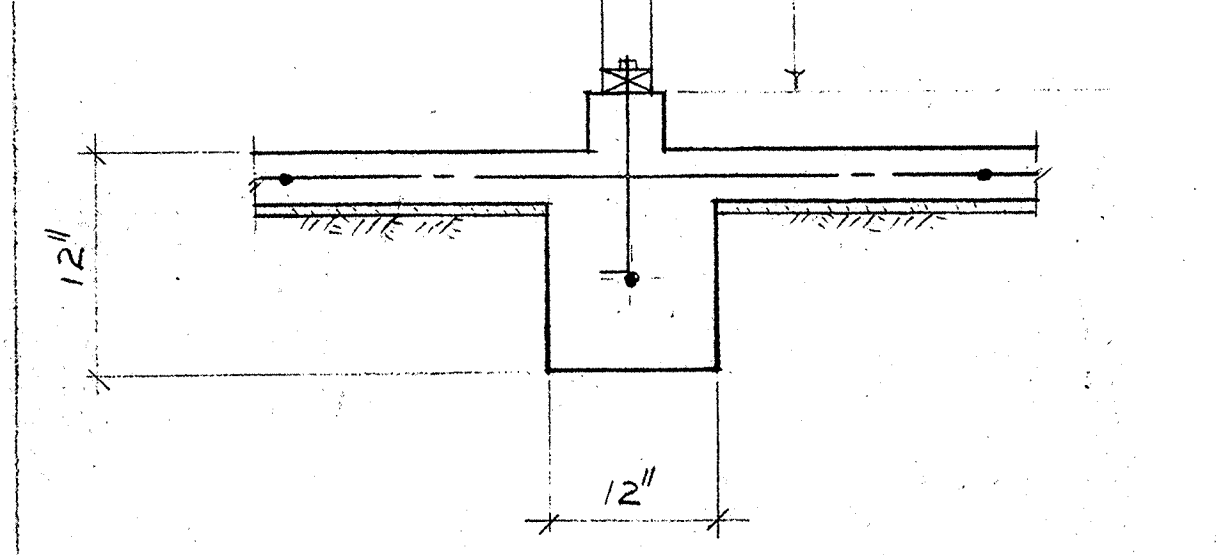
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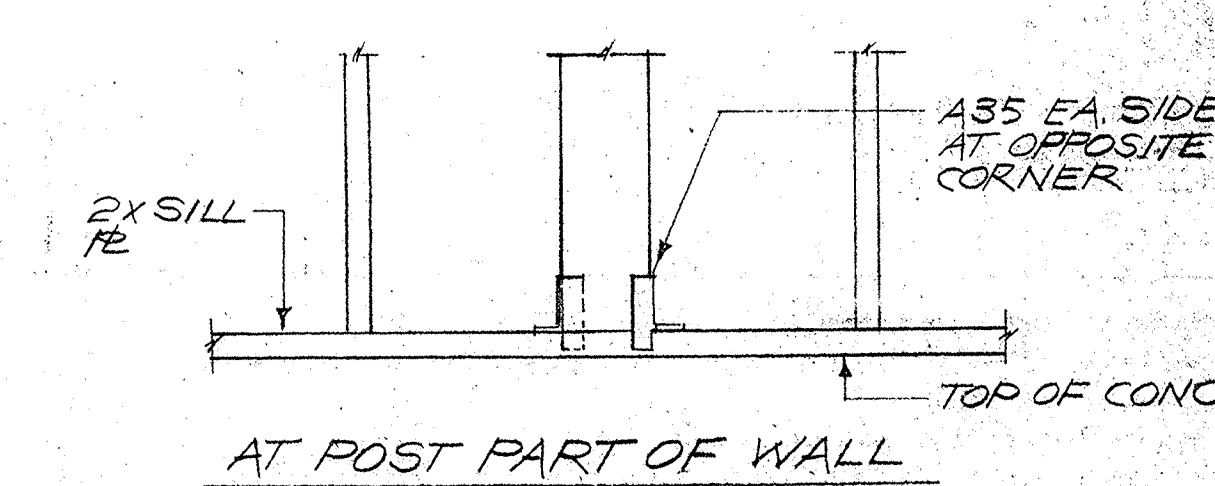
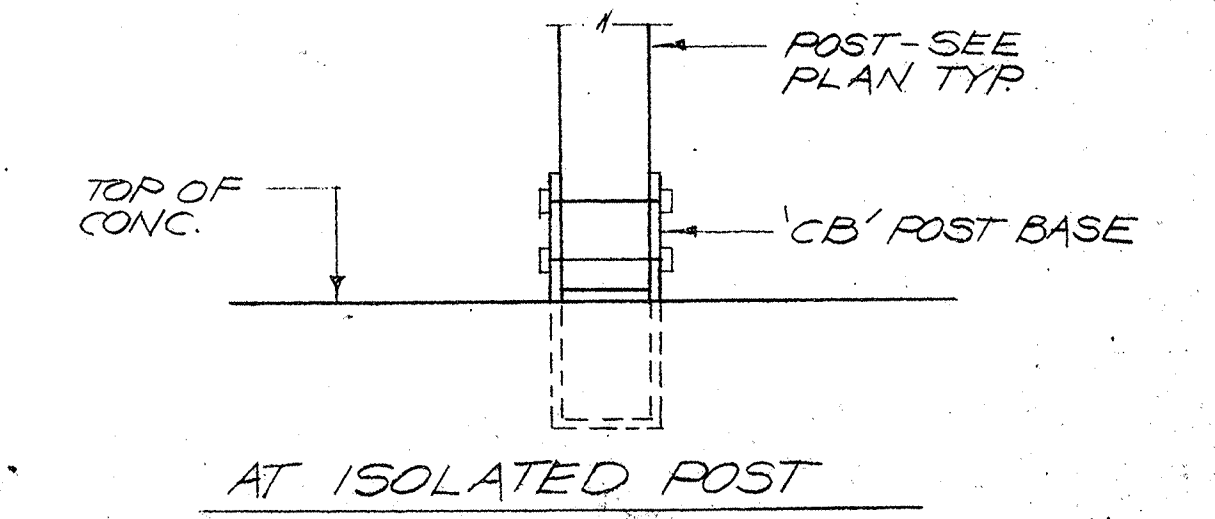
TYPICAL POST BASE



TYPICAL POST BASE



DETAILS NOT NOTED ARE SAME AS 3/S1



TYPICAL POST BASE

no.	date	by
revision		

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project title
U.C.S.B

sheet title
GENERAL NOTES & TYPICAL DETAILS

scale	NO SCALE	date	8-28-85
drawn	D.V.	checked	
project no.		sheet no.	51 OF 11

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