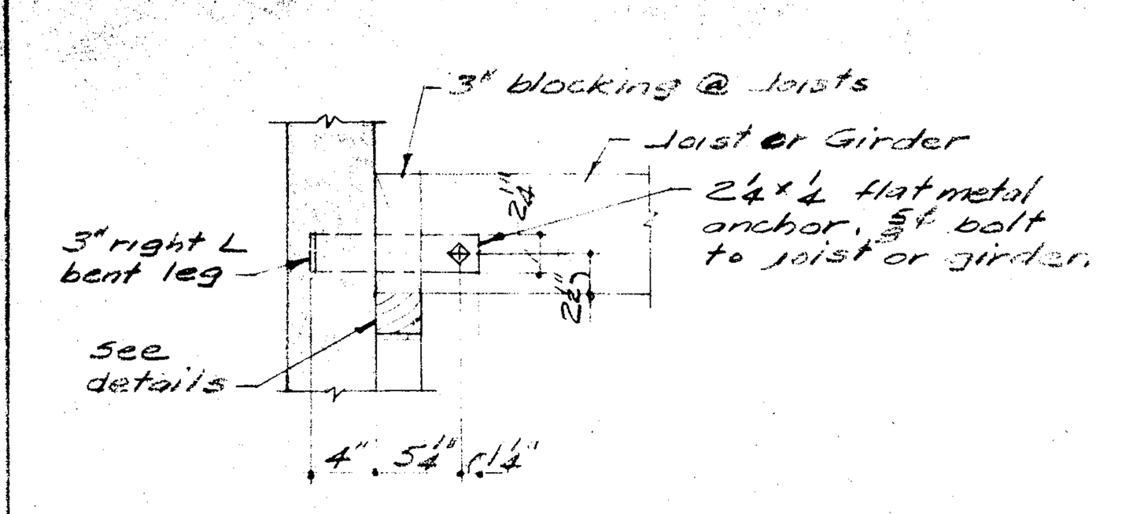
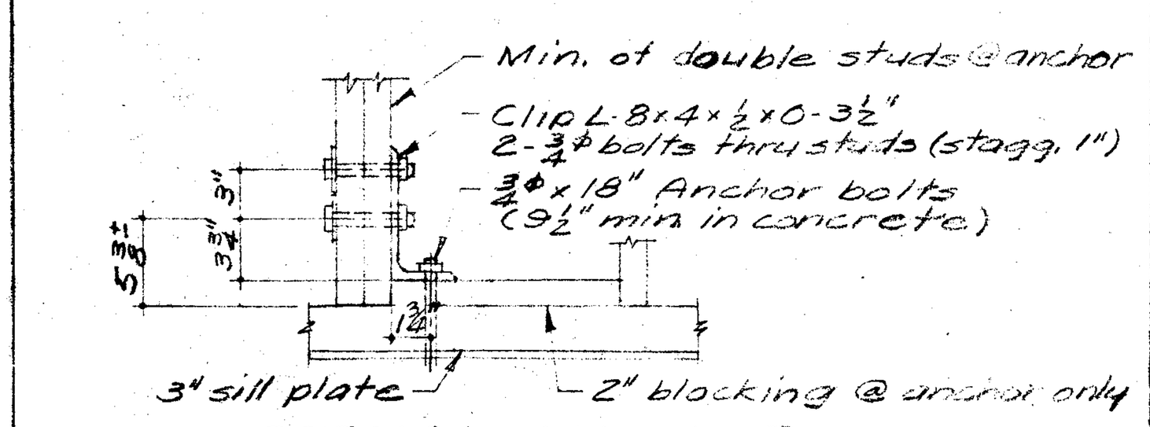


TYPICAL ANCHOR "A"

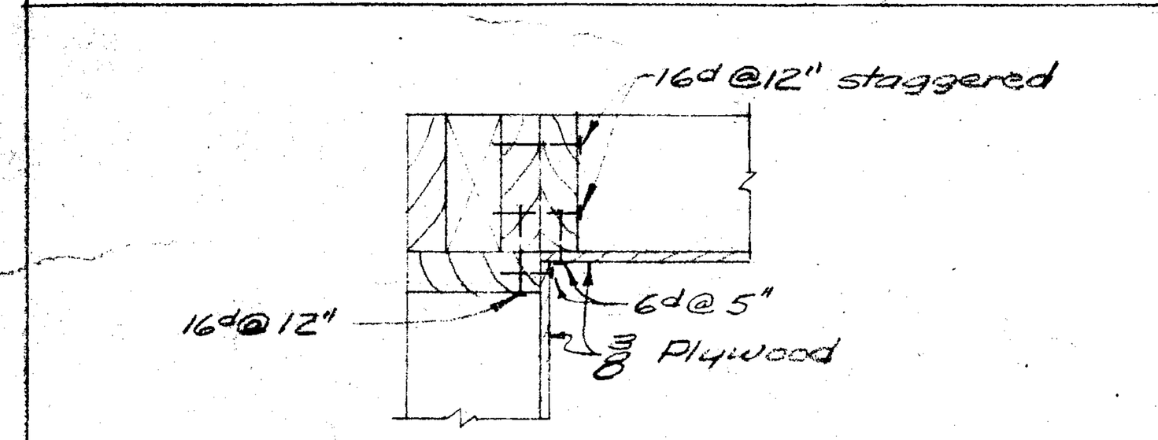
DETAIL R/S1



SPECIAL ANCHOR

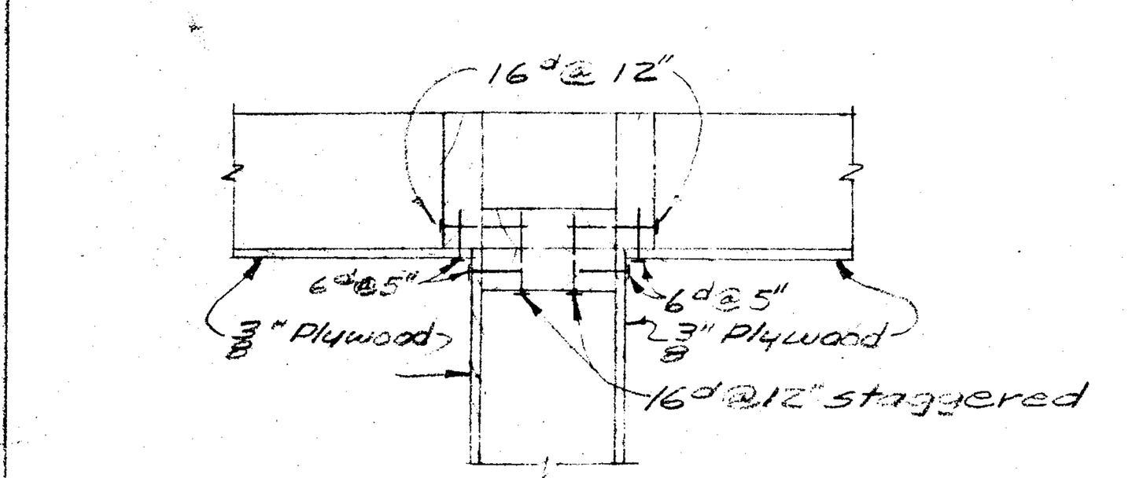
(MARKED STUD ANCHOR ON PLAN)

DETAIL S/S1



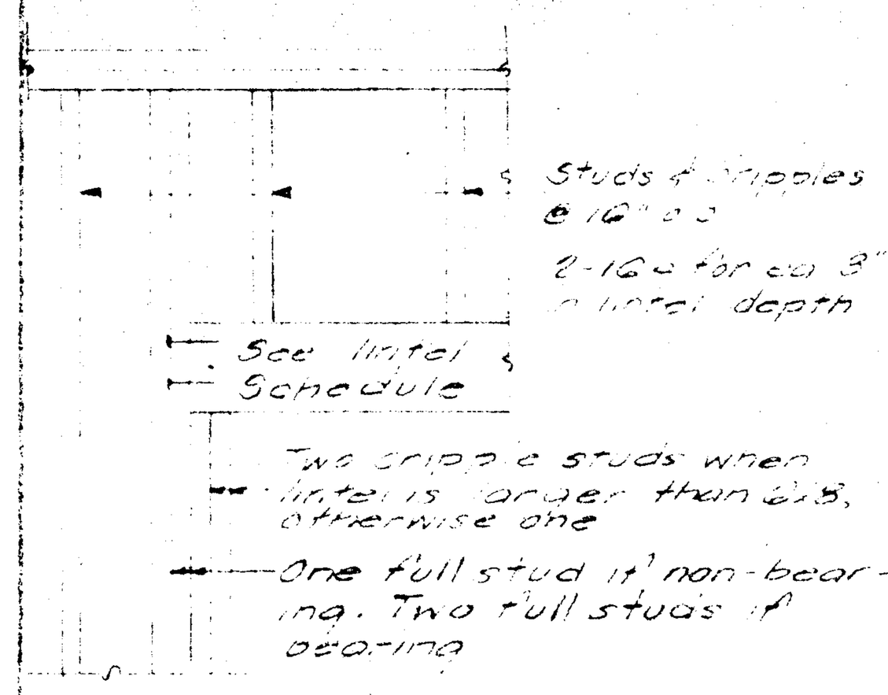
TYPICAL STUD WALL CORNER

DETAIL T/S1



TYPICAL STUD WALL INTERSECTION

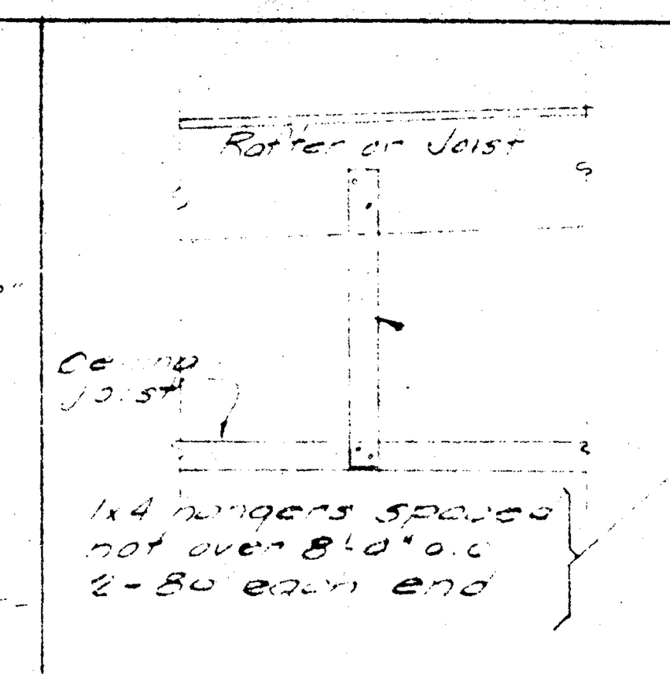
DETAIL U/S1



TYP. LINTEL END DETAIL

DETAIL L/S1

LINTEL SCHEDULE			
BEARING WALLS		NON-BEARING WALLS	
Opening size	Lintel size	Opening size	Lintel size
3'6" or less	2-2.6	3'0" or less	2-2.4
4'0" to 7'2"	6.6	3'6" to 8'6"	2-2.6



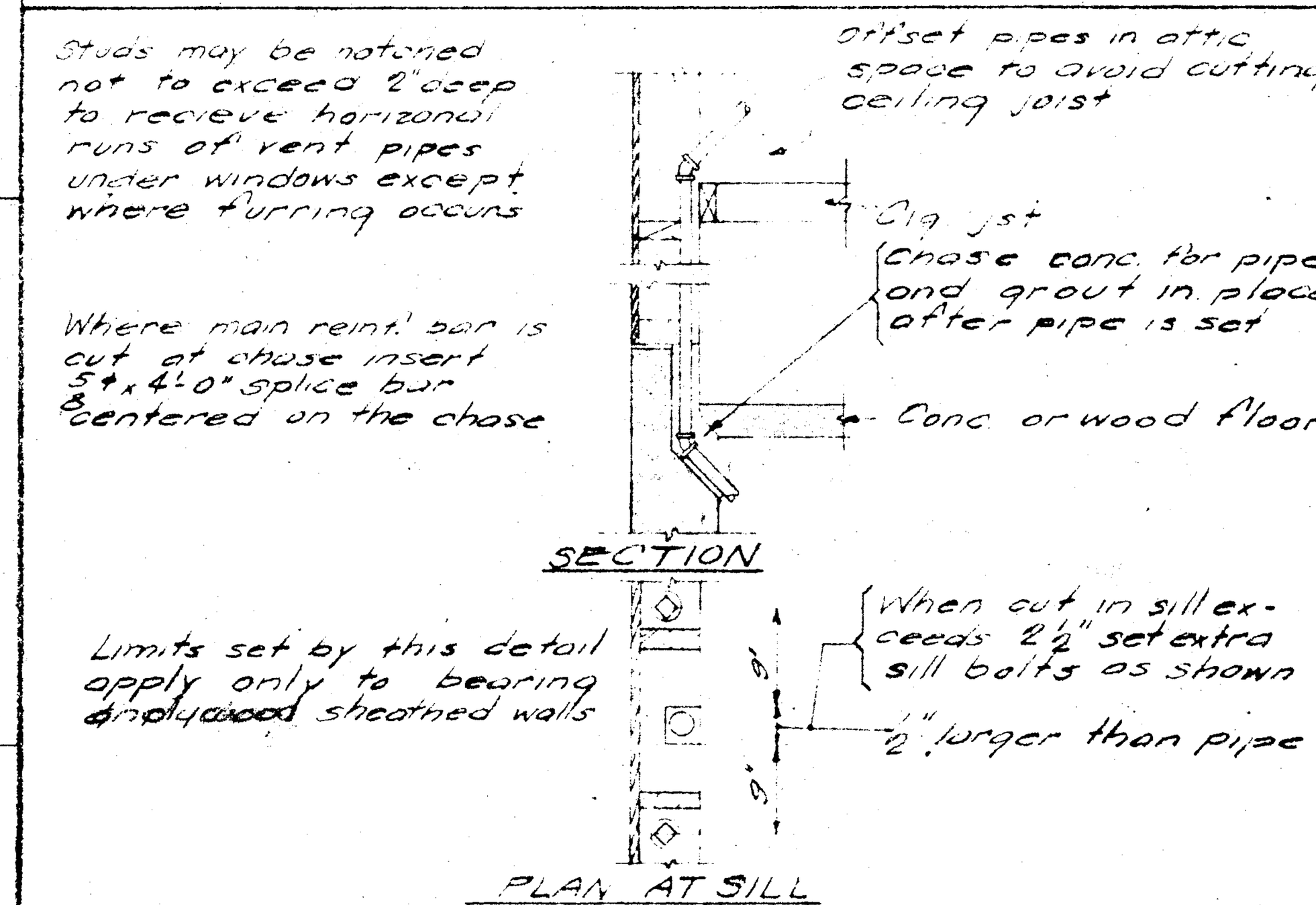
TYP. WOOD CEILING JOIST HANGERS

DETAIL M/S1

Studs may be notched not to exceed 2" deep to receive horizontal runs of vent pipes under windows except where furring occurs

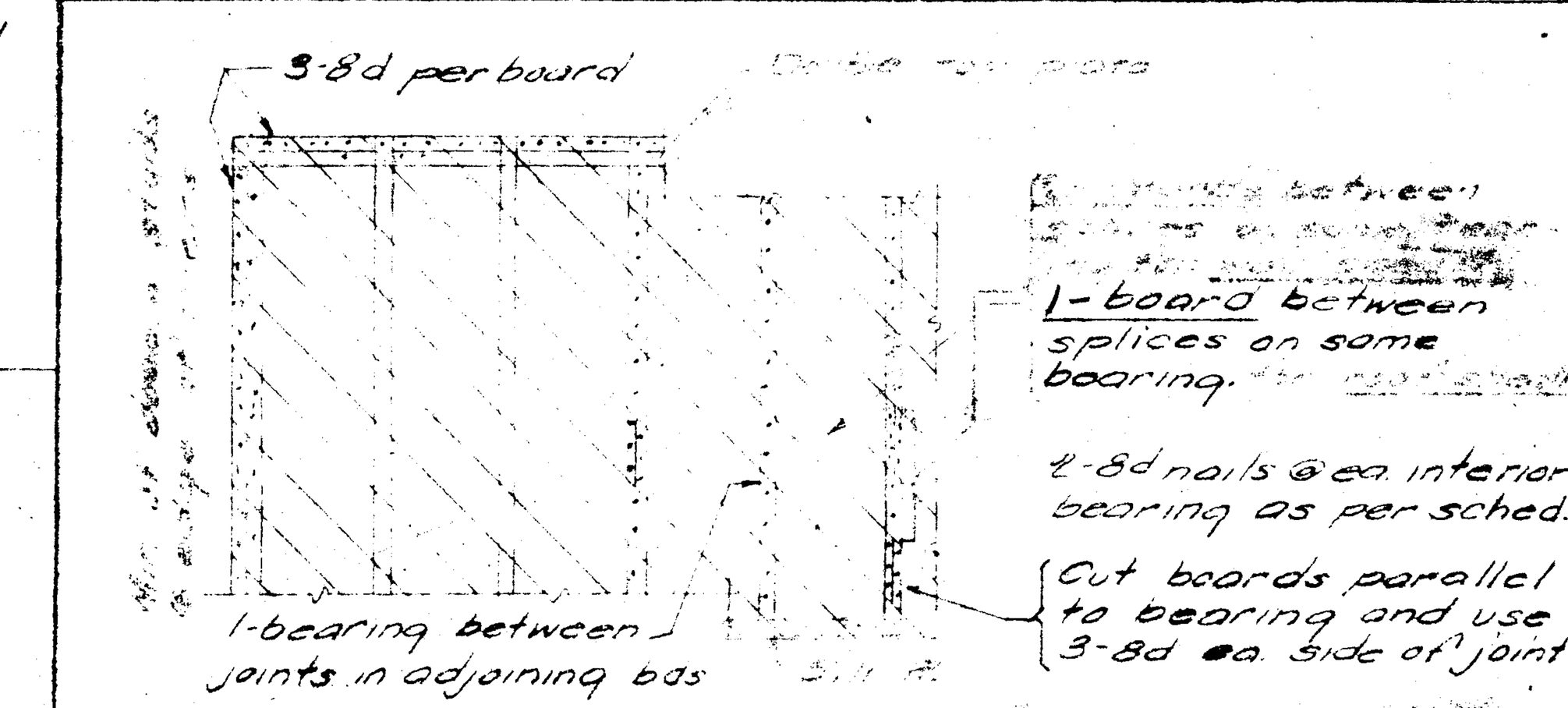
Where main reinf. bar is cut at chase insert ⅝"×4'0" splice bar centered on the chase

Limits set by this detail apply only to bearing and plywood sheathed walls



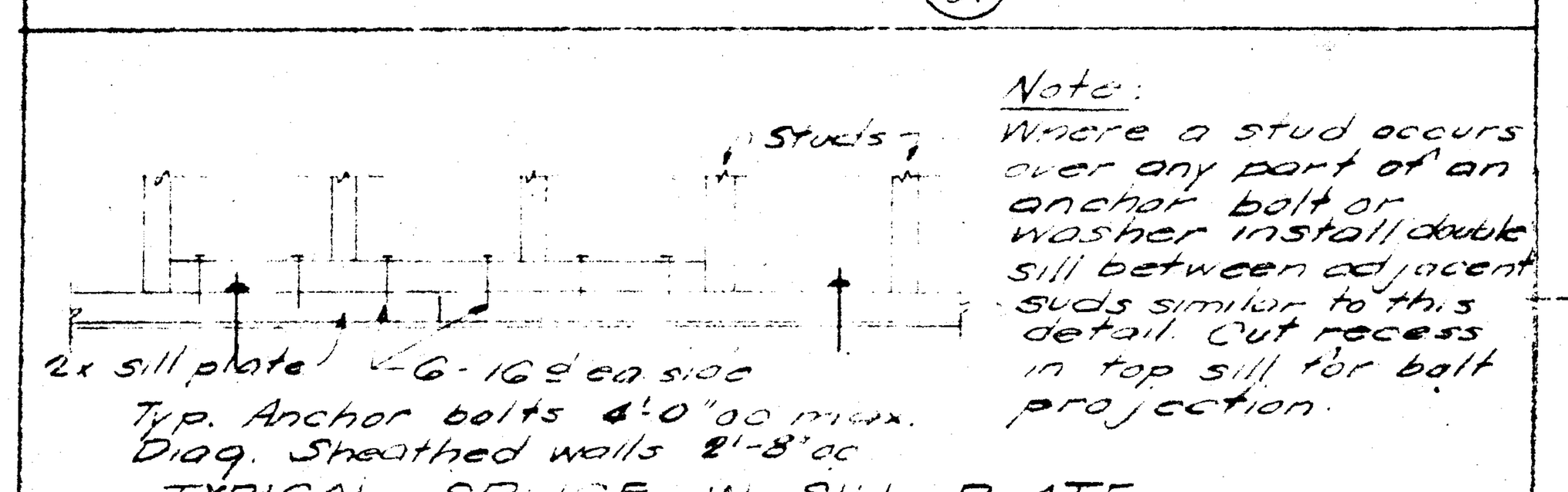
PIPES IN STUD WALLS (TYP.)

DETAIL N/S1



TYP DIAG SHEATHING FOR ROOF AND [illegible]

DETAIL O/S1

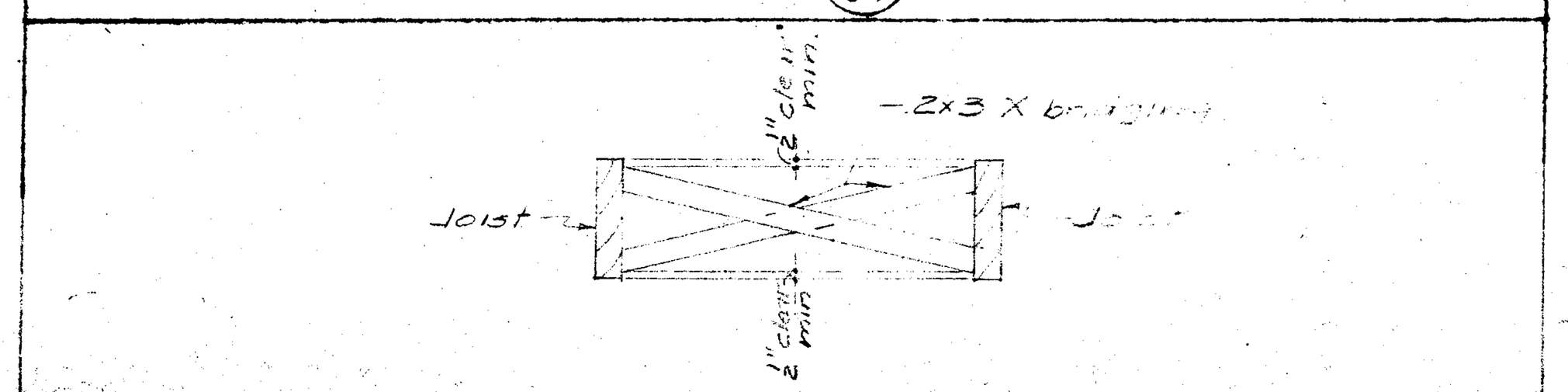


Typ. Anchor bolts 4'0" oc max. Diag. Sheathed walls 2'-8" oc

Note: Where a stud occurs over any part of an anchor bolt or washer install double sill between adjacent studs similar to this detail. Cut recess in top sill for bolt projection.

TYPICAL SPLICE IN SILL PLATE

DETAIL P/S1



TYPICAL 2×3 X-BRIDGING DETAIL

DETAIL Q/S1

NAILING SCHEDULE

DETAIL	NAILING
Joists or rafters to sides of studs 8" or less	3-16d
for ea additional 4" in depth of joist	1-16d
Joists or rafters at all bearings - toe nails, ea face	[illegible]
Studs to bearings - toe nails, ea side	2-10d
Blocking between joist or rafters —	
To joist or rafters - toe nails ea side ea end	2-10d
To joist or rafter bearings - toe nails ea side	2-10d
Sheathing - see detail O/S1	
1×6 interior bearings	2-8d
1×6 exterior "	3-8d
1×8 all bearings	3-8d
Cross bridging between joist or rafters — toe nail, each end	2-8d
Herringbone blocking	2-10d
Ribbons to studs —	
1" ribbons	2-8d
2" ribbons	2-16d
Double top plates —	
Lower plate to top of stud	2-20d
Upper plate to lower plate - staggered	16d @ 18"
Multiple studs - stagger for widths more than 4"	16d @ 12"
Built up beams —	
8" or less in depth - staggered	16d @ 12"
More than 8" deep - staggered	⅝" bolts @ 24"
Double joist under partitions —	
Where not blocked apart - staggered	16d @ 12"
Where blocked apart - at each block	2-20d
Ceiling strips — see detail G/S1	
Plywood panels — At all edges (min. edge distance ½")	6d @ 5"
At all other bearings	6d @ 12"

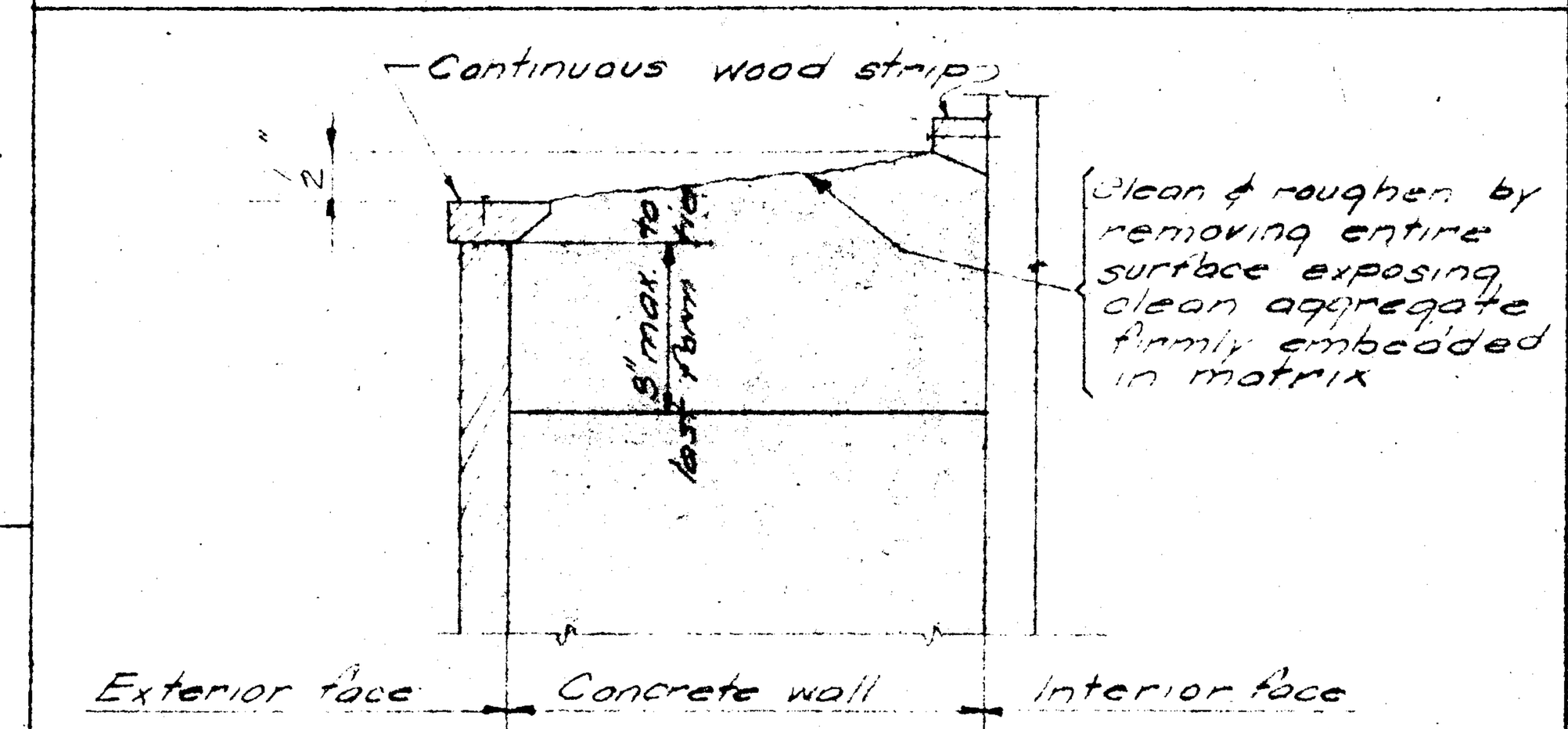
All nails shall be common wire nails

Covers min. permissible connections only

Refer to details for special nailing

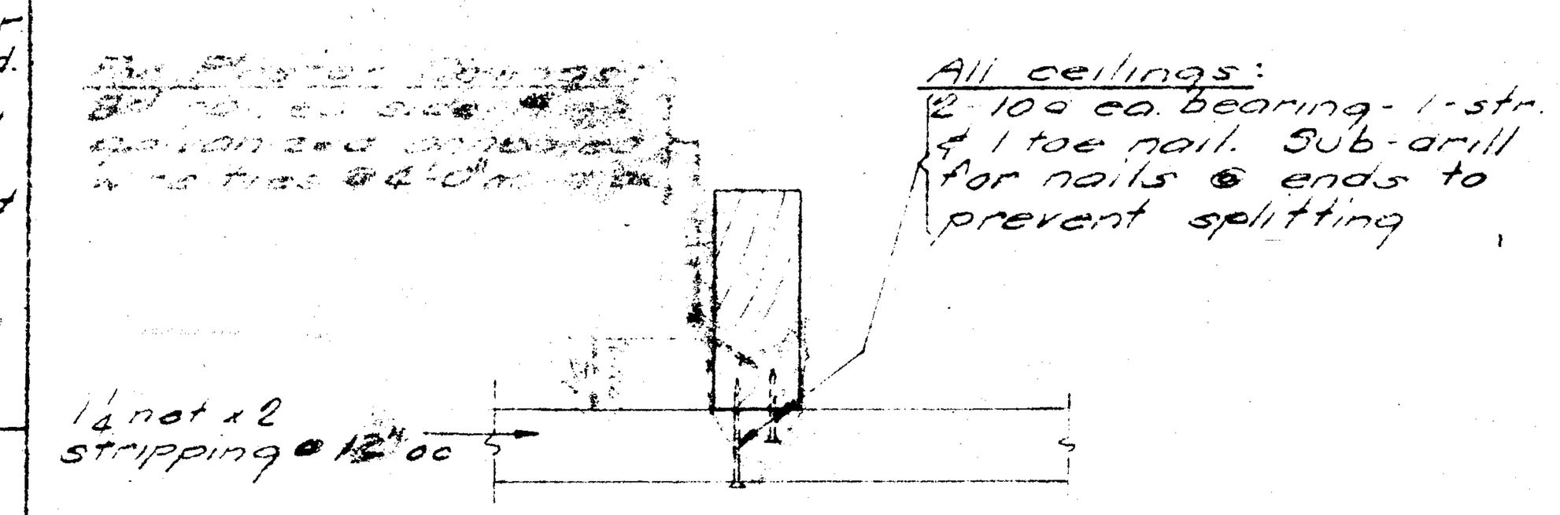
WASHER SCHEDULE

BOLT DIAM.	ROUND WASHER DIAM. MALLABLE IRON	SQUARE WASHER OF CUT STEEL PLATE
½	2½ × ¼	2½ × 2½ × ¼
⅝	2¾ × 5/16	2½ × 2½ × 5/16
¾	3 × 7/16	2¾ × 2¾ × 5/16
⅞	3½ × 7/16	3¼ × 3¼ × 7/16
1	4 × ½	3¾ × 3¾ × ⅜
1¼	5 × ⅝	4½ × 4½ × ½



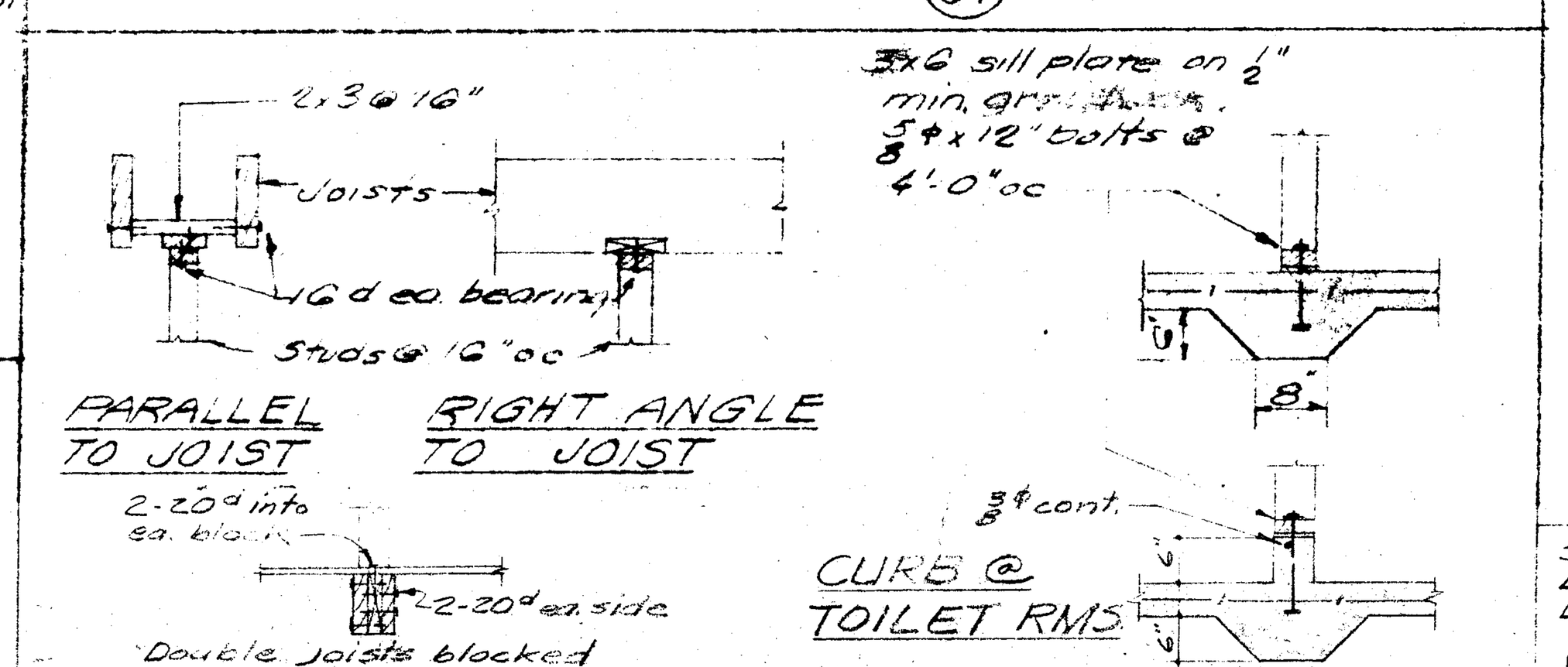
TYPICAL FORM DETAIL AT POUR JOINT

DETAIL F/S1



STRIPPING FASTENING

DETAIL G/S1



PARTITION ON WOOD

TYPICAL NON-BEARING PARTITION

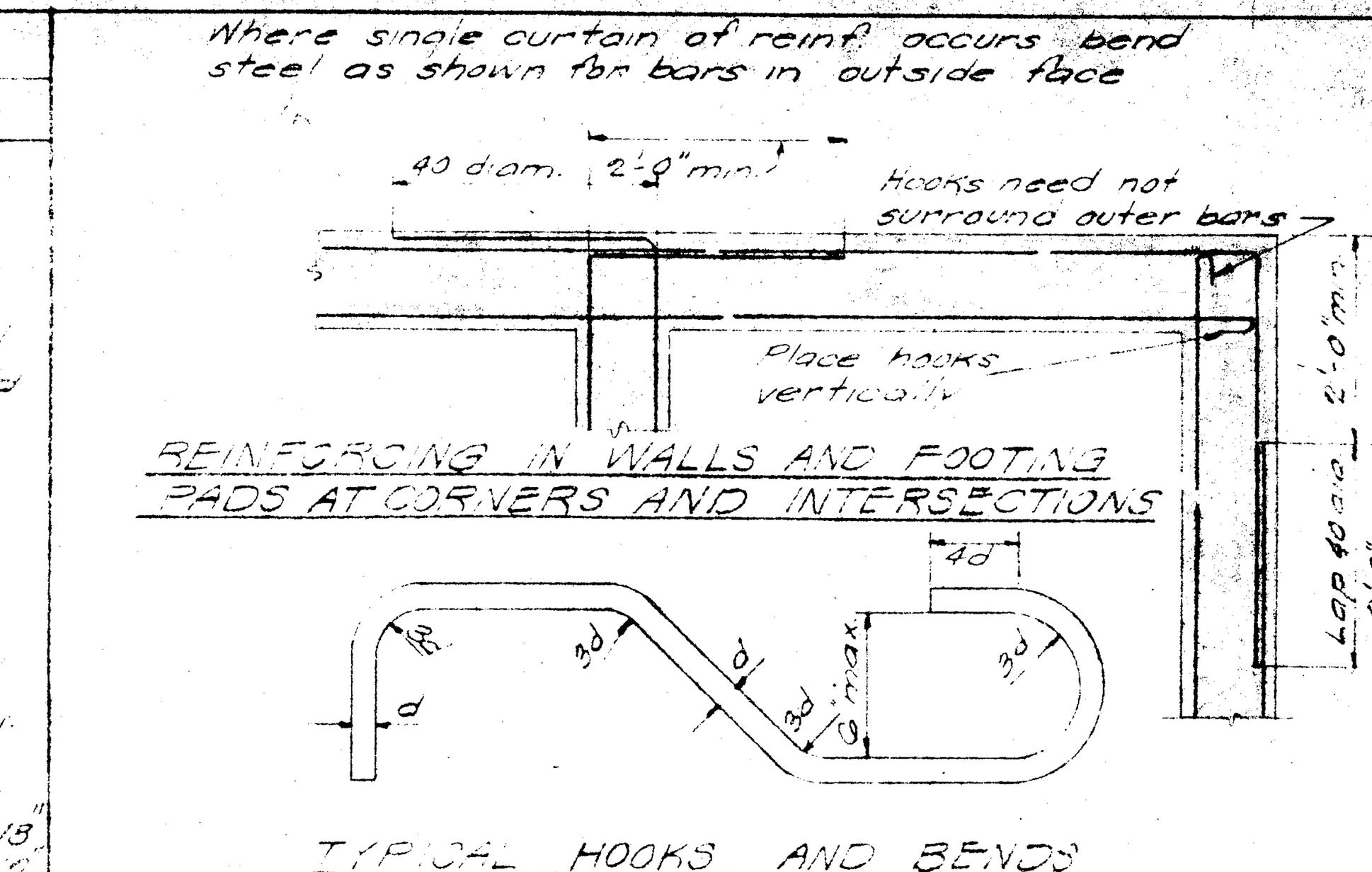
DETAIL H/S1

Lawrence Nowell

HILLMAN & NOWELL

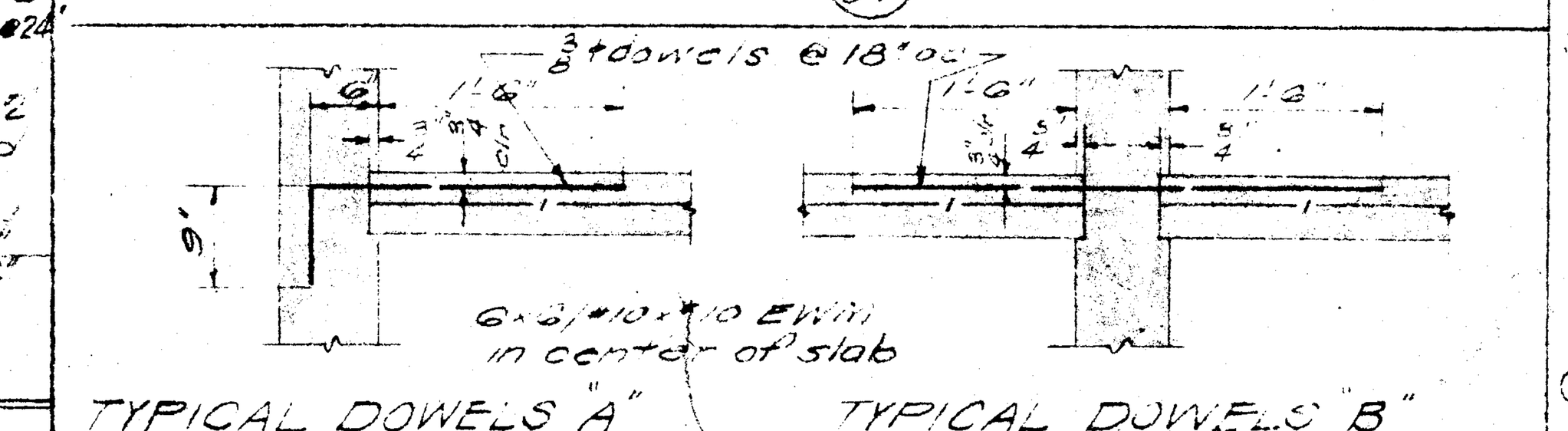
STRUCTURAL ENGINEERS

ARCHITECTS BUILDING LOS ANGELES 13

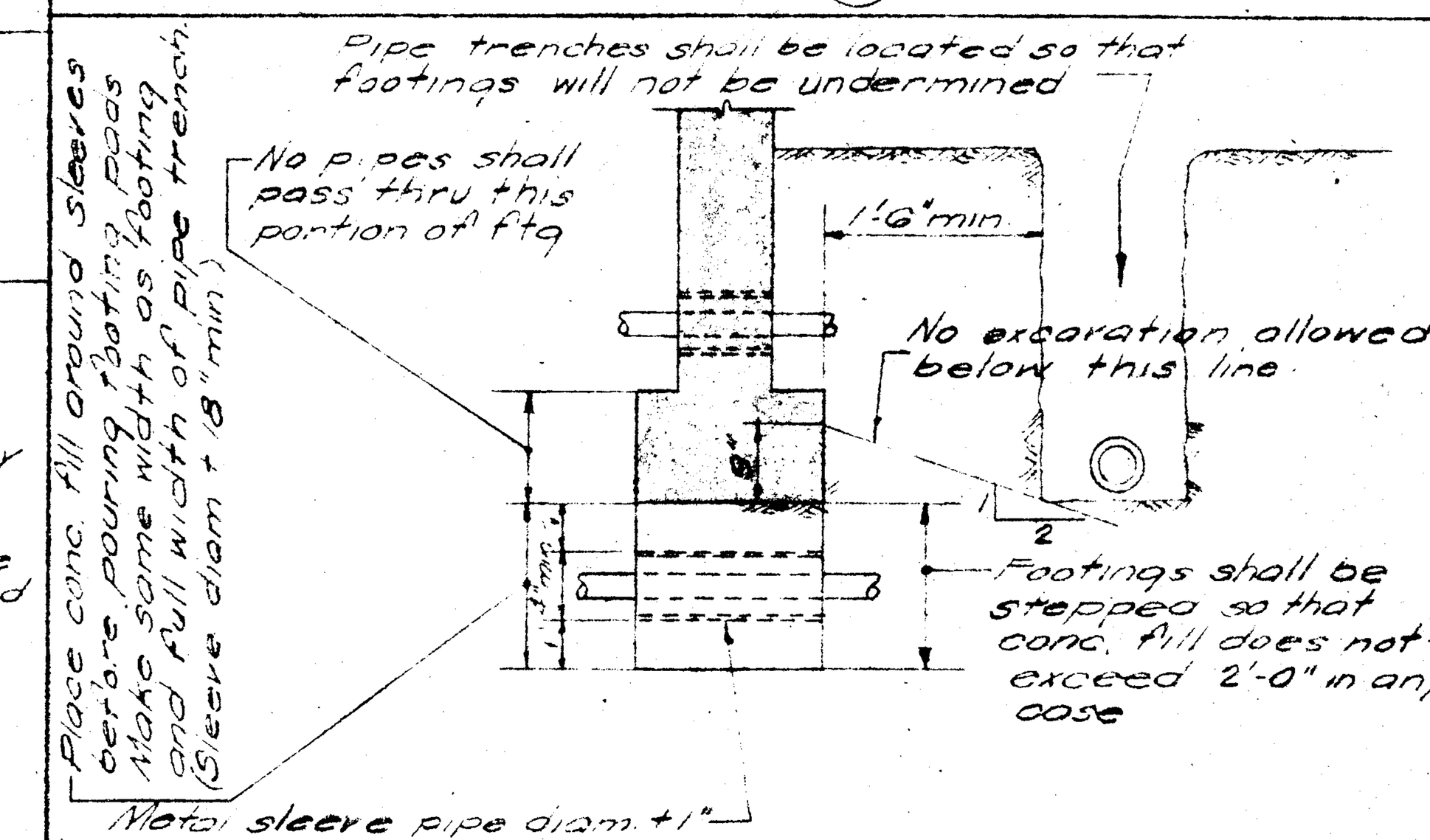


TYPICAL HOOKS AND BENDS

DETAIL A/S1

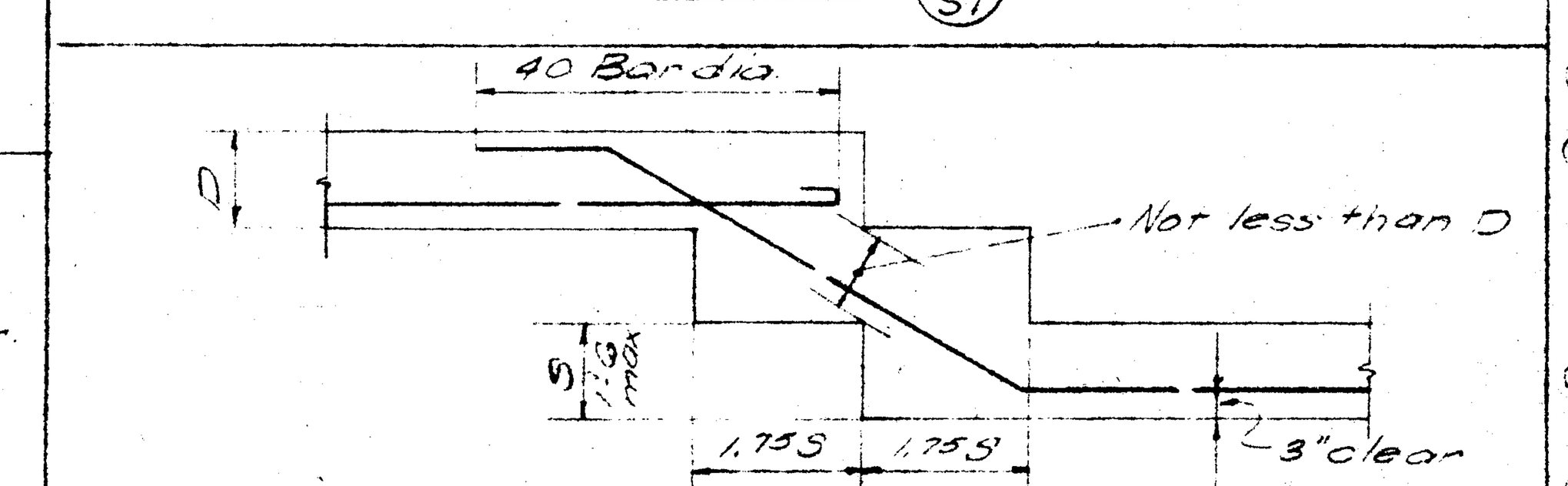


DETAIL B/S1



PIPE AND TRENCH LOCATION

DETAIL C/S1



FOOTING STEP

DETAIL D/S1

GENERAL NOTES

REINFORCED CONCRETE

1. Soil supporting footings is [illegible]
2. Soil bearing value used in design assumed to be [illegible]
3. Footings shall extend a min. of 1'-6" below finished or natural grade whichever is lower unless otherwise [illegible]
4. No brick or porous material shall be used to support [illegible] steel off of the ground.
5. All concrete shall have a min. ultimate compressive strength of 2000 #/□" at 28 days.
6. Anchor bolts and dowels shall be securely held in place before concrete is placed.
7. Splices in reinf. steel shall lap 40 bar diam. min. Separate bars 2½ diam. [illegible] at all laps. (1½ clear).
8. Reinforcing steel shall have the min. protective concrete covering indicated below:
   Footing pads ______ 3" Wall steel (ext. face) [illegible]
   Columns (inter. stirrups) ______ 2" Wall steel (int. face) [illegible]
   Beams sides, tops & soffits ______ 1½" Slabs [illegible]
9. Slabs other than walks shall be reinf. with [illegible] E.W.M. (electric welded wire fabric) in center of slab.
10. Dowel slabs to wall as per typical details.
11. See Architectural and/or Mech. drawings for location of pipe, vent, duct and other similar openings.
12. [illegible]
13. [illegible] walls shall be doweled to supporting footing [illegible] bars of the same size [illegible] bars in walls.
14. [illegible] bars shall be placed at top & bottom of [illegible] unless otherwise shown or noted.

TIMBER

1. All framing lumber to be grade marked [illegible] Posts, beams and girts to be [illegible]
2. Mudsills shall be pressure treated D.F. All mudsills to be set in ½" min. grout bed with a bolt within 9" of end of any piece. Provide ⅝"×12" bolts [illegible]
4. Studs shall be spaced 16" oc max and of the size shown on plans.
5. No structural members shall be cut for pipes, vents, [illegible] and other similar openings, except as shown.
6. Joists shall be spliced at supports only except as noted. Splices shall have a lap of joist not less than [illegible] with 3-16d nails with a depth up to 8" and 1-16d extra for each 4" increase in depth of joist over 8".
7. Two inch solid blocking shall be placed between joists at all supports and under all partitions.
8. Wood cross bridging shall be placed between joists where joists span exceeds 8'-0". The distance between lines of bridging & between bridging and wall shall not exceed 8'-0".
9. Holes for bolts shall be bored with a bit of the same nominal diam. as the bolt.

STRUCTURAL STEEL

1. Shop connections shall be riveted or welded as [illegible]
2. All field connections to be bolted unless noted.
3. When stresses are not given or details not shown design connections for members carrying direct stress to develop the strength of the member.
4. Standard beam connections or connections of [illegible] strength shall be used for all beam connections not shown.
5. Base plates shall be bedded on grout of 1" min. [illegible]
6. All structural steel shall conform to the latest [illegible] serial designation A-7.
7. All welding shall be done by the electric shielded [illegible] process.

LEGEND

- Concrete in section
- Existing concrete
- Cont. wood member
- Wood blocking
- Footing step (S)

[illegible] Elev. at bottom of [illegible]

Note: [illegible] on architectural plans + [illegible] on structural drawings

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOL DIST. SUPERINTENDENT of CITY SCHOOLS RECOMMENDED FOR APPROVAL	BAKERSFIELD CITY SCHOOL DIST. BOARD OF EDUCATION APPROVED	TYPICAL DETAILS & GENERAL NOTES
STATE OF CALIFORNIA-DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE — APPLICATION No. 5616 — APPROVED 5-5-48 — Harry W. Bolin, Supervising Structural Engineer	Superintendent — Date	President — Secretary — Date	MOUNT VERNON SCHOOL ADDITION FOR THE BAKERSFIELD CITY SCHOOL DIST. MOUNT VERNON & [illegible] BAKERSFIELD, KERN COUNTY, CAL. — DATE 3/4/48 — DRAWN [illegible] — WRIGHT METCALF & [illegible] ARCHITECTS