

## GENERAL NOTES

1. The General Contractor shall verify all conditions and dimensions of the site.
2. All construction shall comply with currently adopted Building Codes.
3. Typical details and sections shall apply where specific details are not shown.

## FOUNDATION

1. Soil Classification: Sand & gravel.
2. Design soil pressure: 3000 #/ft<sup>2</sup> (basic).
3. All footings shall rest on firm undisturbed soil, or upon approved 90% compacted fill.
4. All masonry foundation walls shall be grouted solid from footing to 1st Floor Line.

## CONCRETE

1. 28 day concrete strength shall be 2500 p.s.i. for all concrete not specifically called for otherwise.
2. Location of all construction joints shall be approved by the Architect.
3. No pipes, ducts, sleeves, etc. shall be placed in or thru structural concrete unless specifically detailed.
4. Refer to Architectural details for all molds, grooves, clips, ornaments, etc..
5. Cement shall conform to U.B.C. Standard 26-1 Type II. Type I may be used for concrete not in contact with earth. Use only tested cement and certify thereto.
6. Aggregate shall conform to U.B.C. Standard 26-4-44. Maximum size of aggregate shall be:
 

Slabs	1/2"
Columns, slabs, beams, & walls	3/4"
Footings & pedestals	1 1/2"
7. Ready-mixed concrete shall conform to U.B.C. Standard 26-13.
8. Maximum slump for columns, slabs, etc., shall be 3". Slump for all other concrete shall be 4".
9. Proper use of vibrators for compacting concrete shall be mandatory. Curing shall be by pigmented sealing compound. Curing Compound shall be as manufactured by "Hunt" or "Thompson Water Seal". Apply thorough coating to slabs within ten (10) minutes after finishing. A.C. Horn products shall be considered as equal.

## REINFORCING STEEL

1. All detailing, fabrication, & placing of reinforcing steel shall be in accordance with A.C.I. Manual 315-65.
2. Reinforcing bars shall conform to A.S.T.M. A15-65 and A305-65. Use tested reinf. only.
3. Reinforcing shall have the following minimum coverage:
 

Concrete placed against earth.	3"
Formed concrete against earth.	2"
Columns (to main bars).	1 1/2"
Top & bottoms of slabs	3/4"
- Splice bars with a minimum lap of 24 bar diameters in concrete & 36 diameters in masonry. Submit shop drawings and placing drawings and obtain Architect's approval prior to fabrication.
- All reinforcing bars shall be wired & tied in proper position. Two-way mats of bars shall be tied of alternate intersections ea. way. Column ties shall be tied to each longitudinal bar.

## STRUCTURAL STEEL

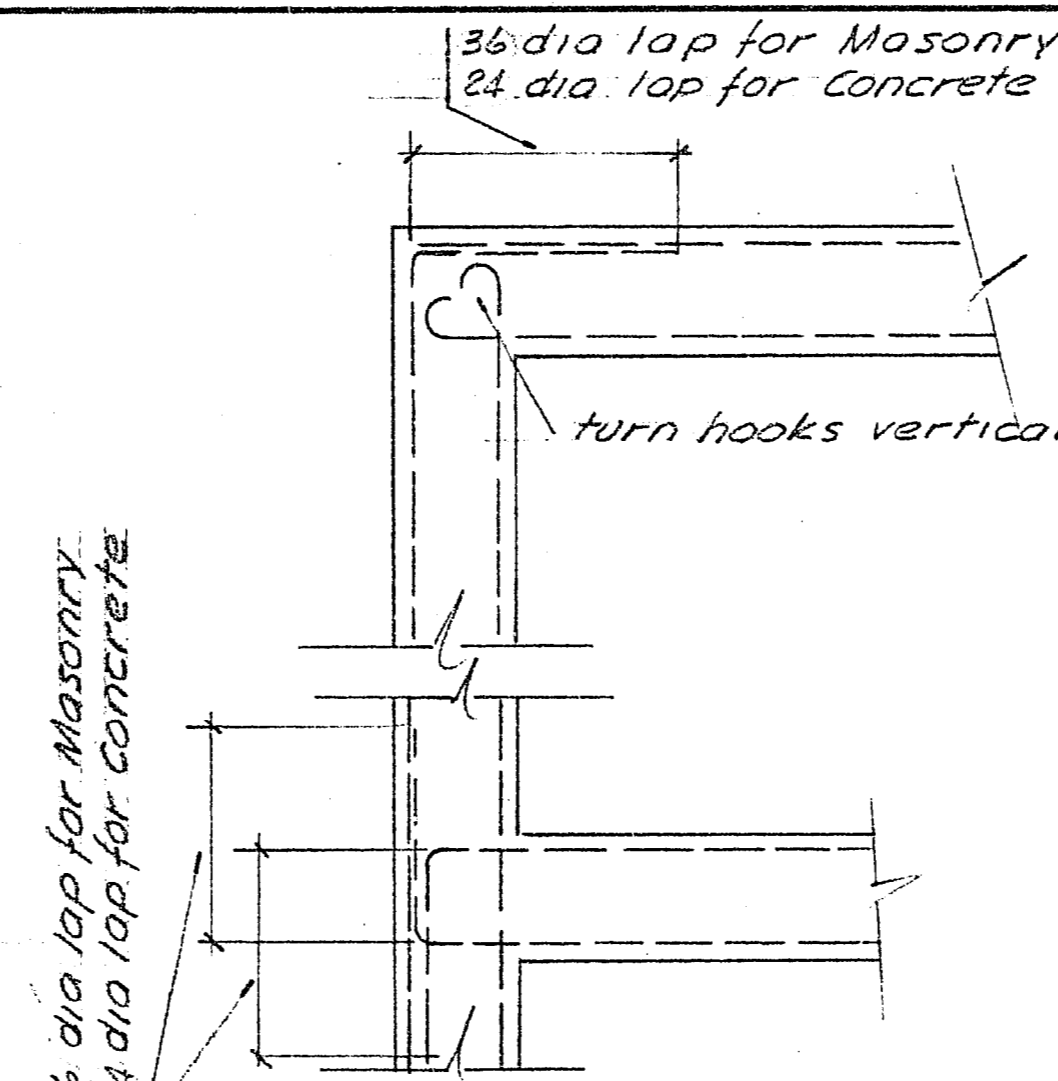
1. Structural Steel shall conform to U.B.C. Standard 27-64 and shall be fabricated and erected in accordance with A.I.S.C. specifications and U.B.C. Chapter 27.
2. Welding shall be done by certified welders and shall conform to the latest AWS Code.
3. Submit shop drawings and obtain Architect's approval prior to fabrication.
4. All structural pipe shall be Grade B U.B.C. Standard 27-9-64.
5. Unless noted otherwise, all bolts shall be 1/2" A.S.T.M. A325 bolts. Min. edge distance shall be 1 1/2".
6. See Sht 5-B for specific notes.

## HOLLOW UNIT MASONRY

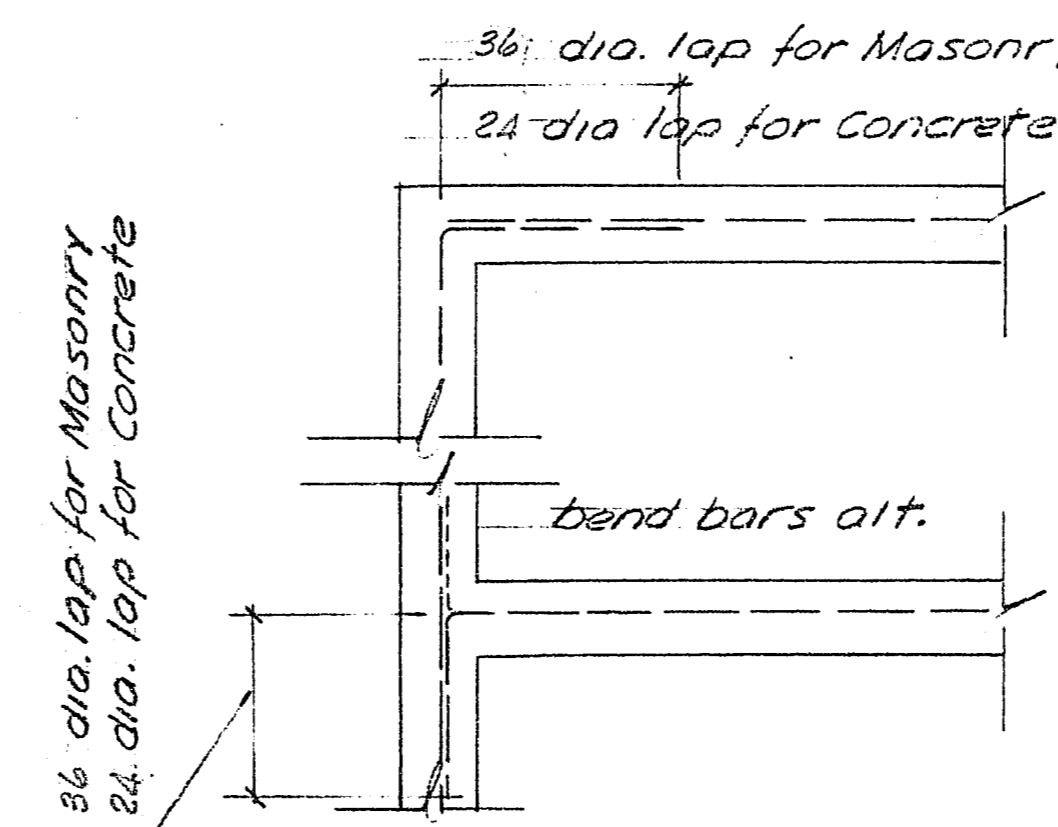
1. All masonry work shall conform to Chapter 24 U.B.C..
2. All hollow masonry units shall conform to A.S.T.M. C90-64T, Grade A, 1350 p.s.i..
3. Mortar shall be 2500 p.s.i. U.B.C. Type A.
4. Grout shall be composed by volume of 1 part cement to 3 parts sand and 3/8" pea gravel, to which may be added not more than 1/10 part lime. Grout shall be reasonably fluid in consistency with minimum water and shall have a 28 day strength of 2500 p.s.i..
5. Reinforced hollow unit masonry shall conform to Section 2415, U.B.C.
6. All cells containing reinforcing, bolts, anchors, inserts, etc., shall be grouted solid.
7. Groutstops of paper or any material producing a slip joint will not be allowed.
8. Lap all bars a minimum of 36 diameters.

## WOOD

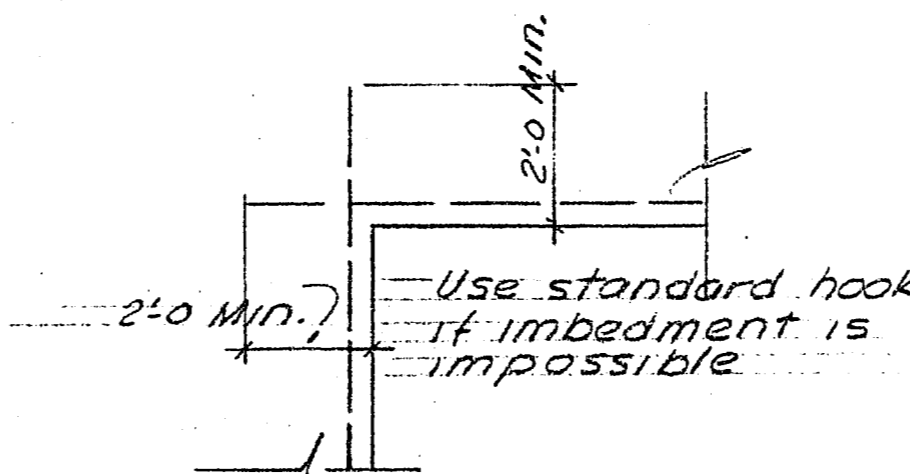
1. All lumber shall be Douglas Fir Coast Region graded "Construction" as per U.B.C. Standard 25-3-64.
2. All plywood shall be inspected, approved, and stamped by D.F.R.A..
3. Minimum nailing shall be in accordance with Table 25-M U.B.C..



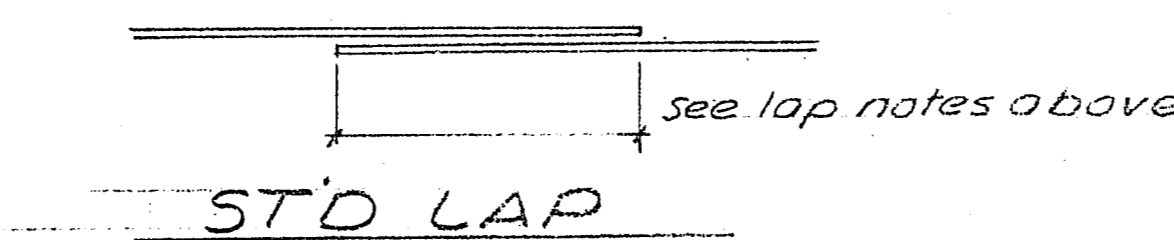
2 LAYERS REINF.



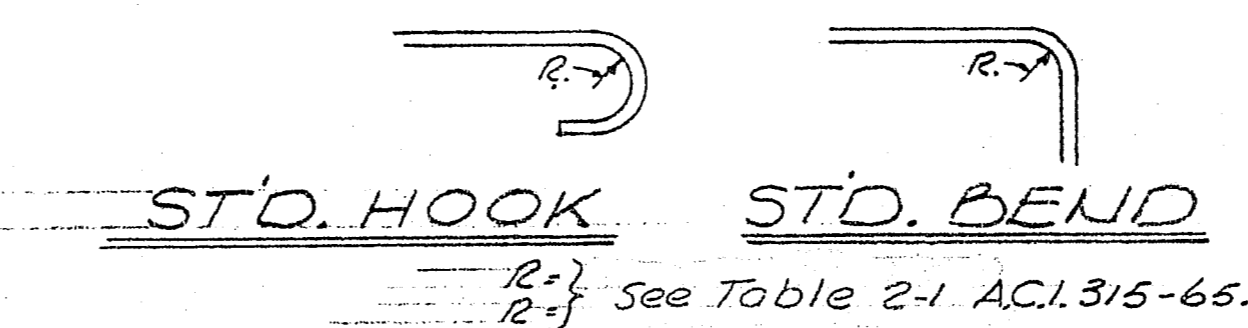
1 LAYER REINF.  
WALL STEEL LAP DETAILS



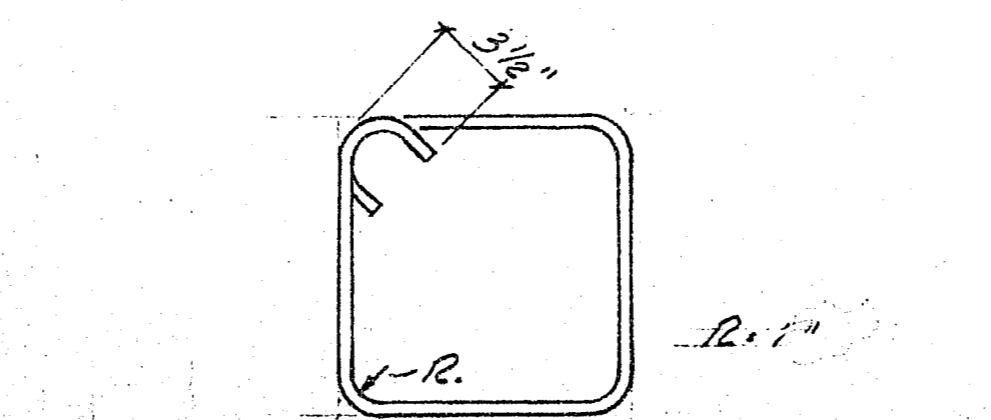
REINF. @ OPN'G.



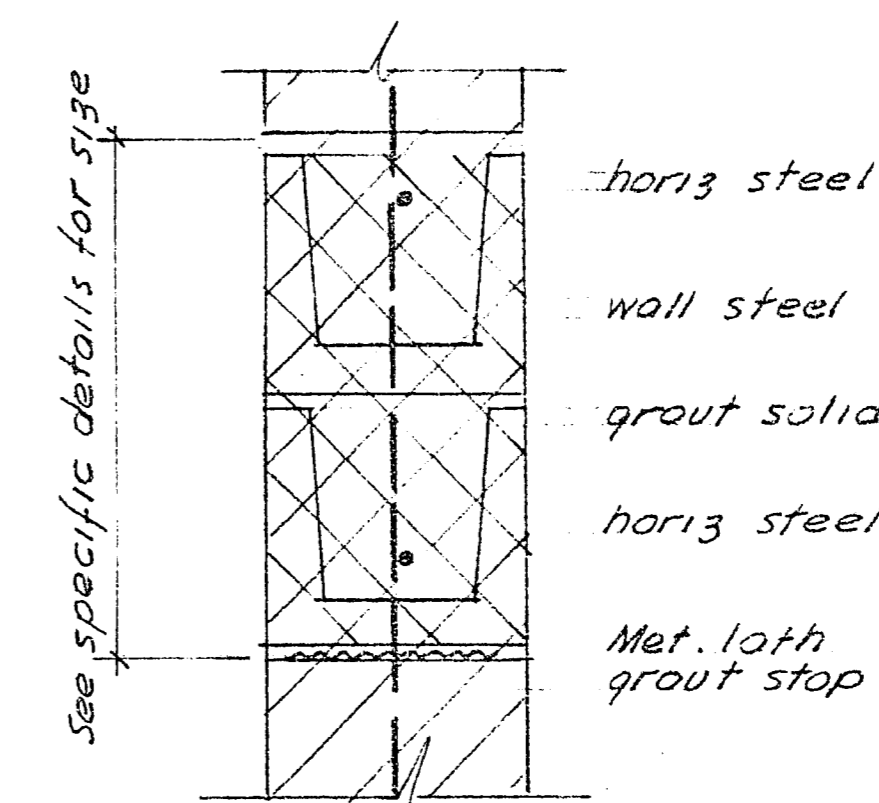
STD LAP



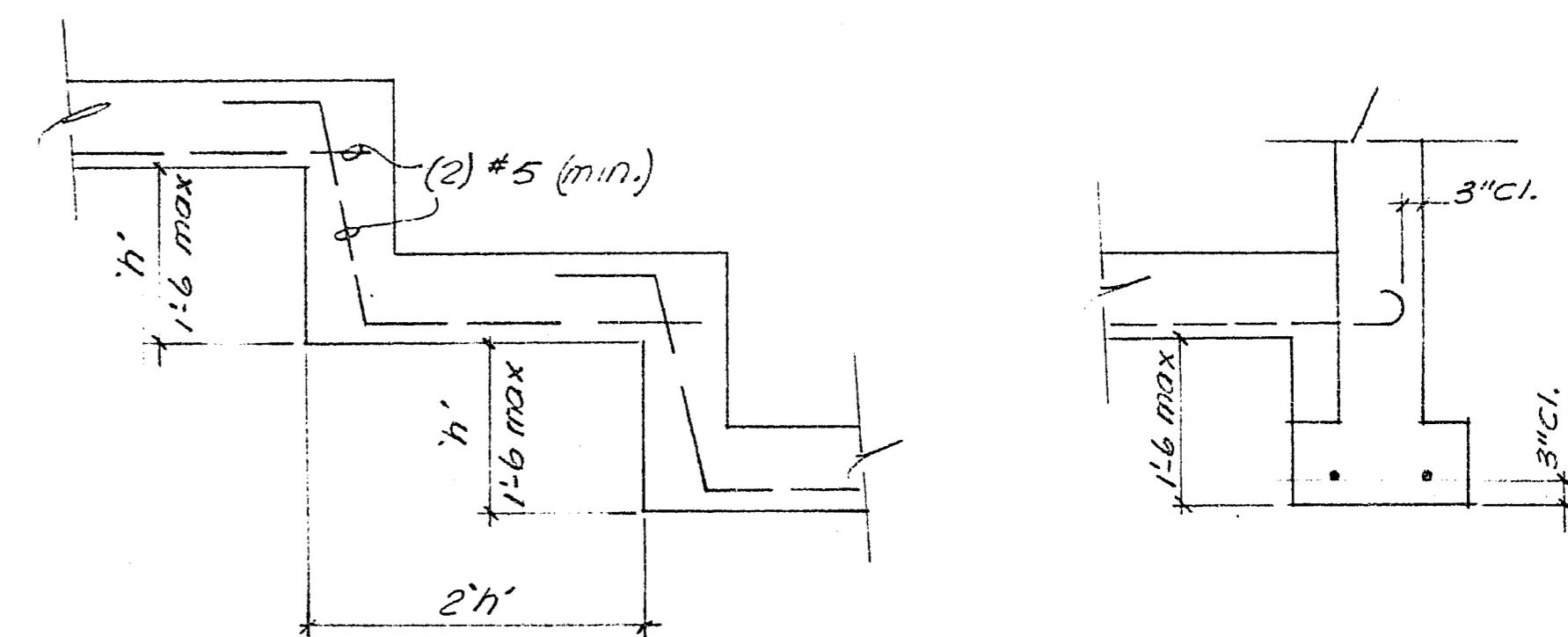
STD. HOOK STD. BEND



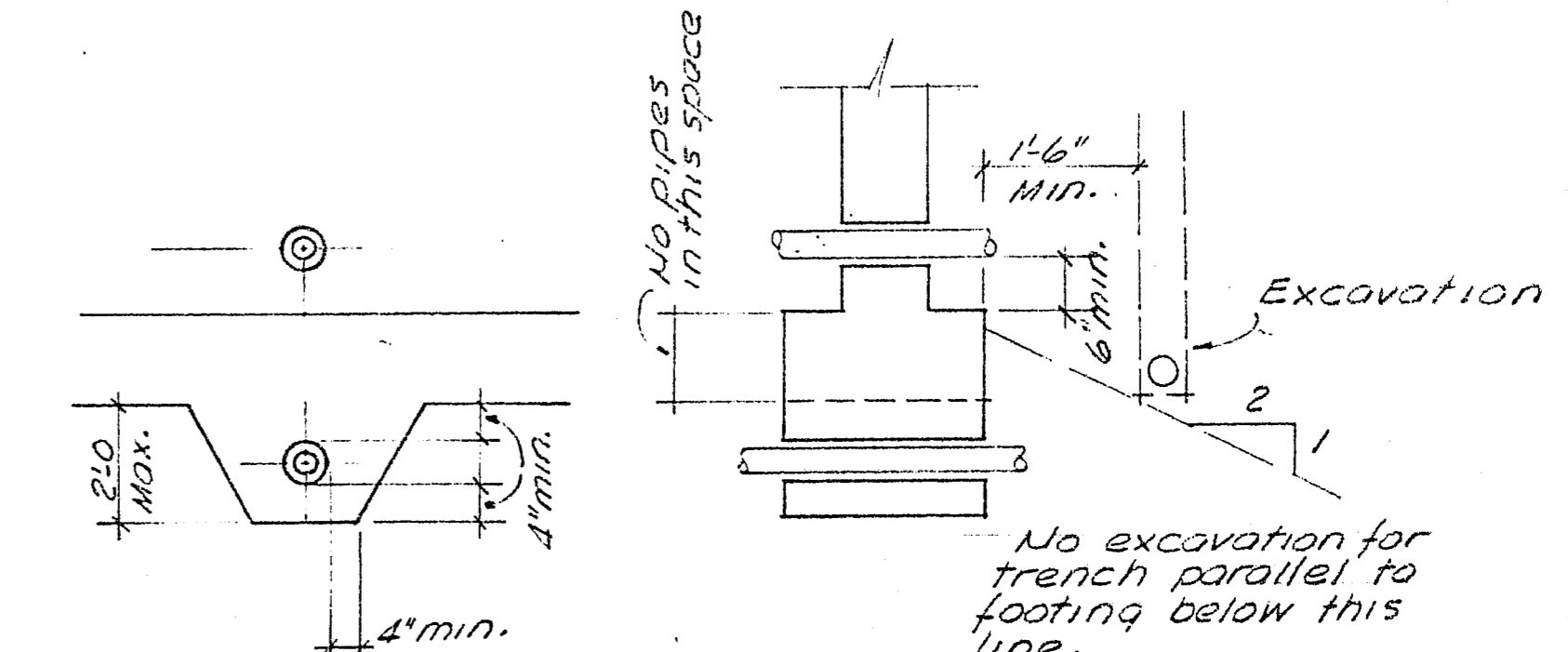
STD TIE OR STIRRUP



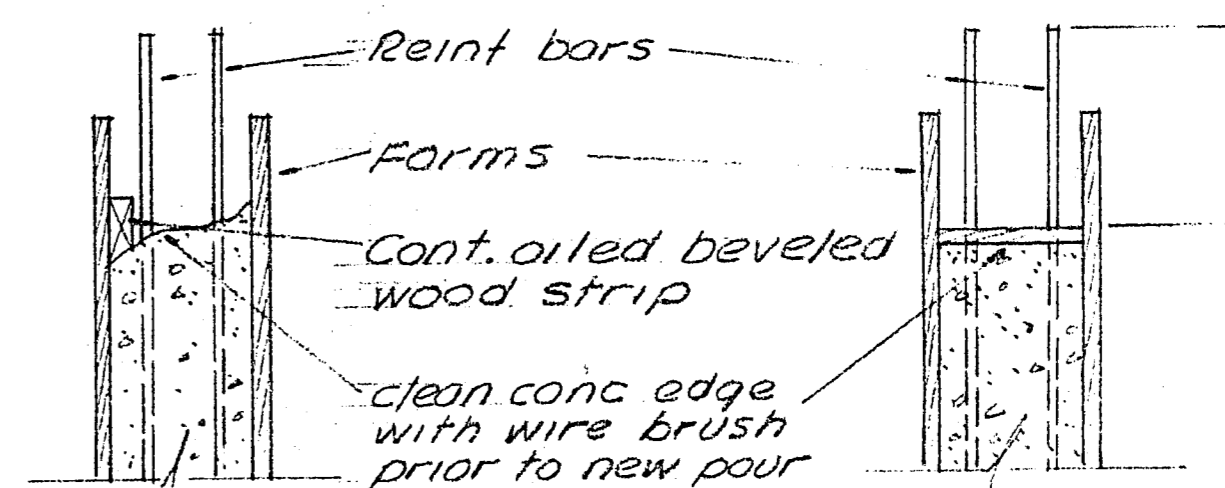
BOND BM. GROUT DET'L.



TYP. STEPPED FOOTING



PIPE THRU FOOTING DETAILS



HORIZ. JOINT VERTICAL JOINT

TYP. CONSTRUCTION JOINTS

TYP. WALL STEEL (min)

Wall	Size	Spacing
6"	#4	13" O.C. @ 4
8"	#4	18" O.C. B.F.B.W.
10"	#4	16" O.C. B.F.B.W.
12"	#4	13" O.C. B.F.B.W.

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DANIEL M. CASHDAN  
STRUCTURAL ENGINEER  
537 EAST SAHARA AVE.  
LAS VEGAS, NEVADA

EDWARD B. HENDRICKS ASSOCIATES  
ARCHITECTURE • PLANNING • ENGINEERING  
E. B. HENDRICKS A.I.A.  
FRED L. KENNEDY

537 E. SAHARA AVE.  
LAS VEGAS, NEVADA  
PHONE • 735-0902

MUNICIPAL PARKING GARAGES TYPICAL DETAILS  
CITY OF LAS VEGAS NEVADA  
CARSON SITE

PARKING

GARAGES

TYPICAL DETAILS

DATE 9-8-66

JOB NO.

DRAWN BY E.H.

SHEET 9

OF 9

I.D.

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DATE BY

REVISIONS

DATE BY

REVISIONS

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