

THINKQ
Civil Engineering

WINDOWS AND DOOR CALCULATIONS

12715 Rolling Road Drive Pinecrest, FL 33156

CUETO ENGINEERING SHOP DRAWING / SUBMITTAL REVIEW



☒ APPROVED

☐ REJECTED

☐ APPROVED AS NOTED

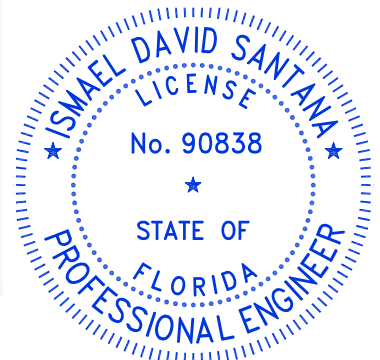
☐ REVISE & RESUBMIT

This submittal has been reviewed for design conformity and general compliance with Contract Documents. The Contractor is solely responsible for: confirming all dimensions and quantities; procedures, means, methods, techniques, and sequences of fabrication and construction; coordination of work for all trades; and full compliance with design documents.

By : Nestor Cueto, PE Date : 01/13/26

This item has been digitally signed and sealed by Ismael David Santana, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

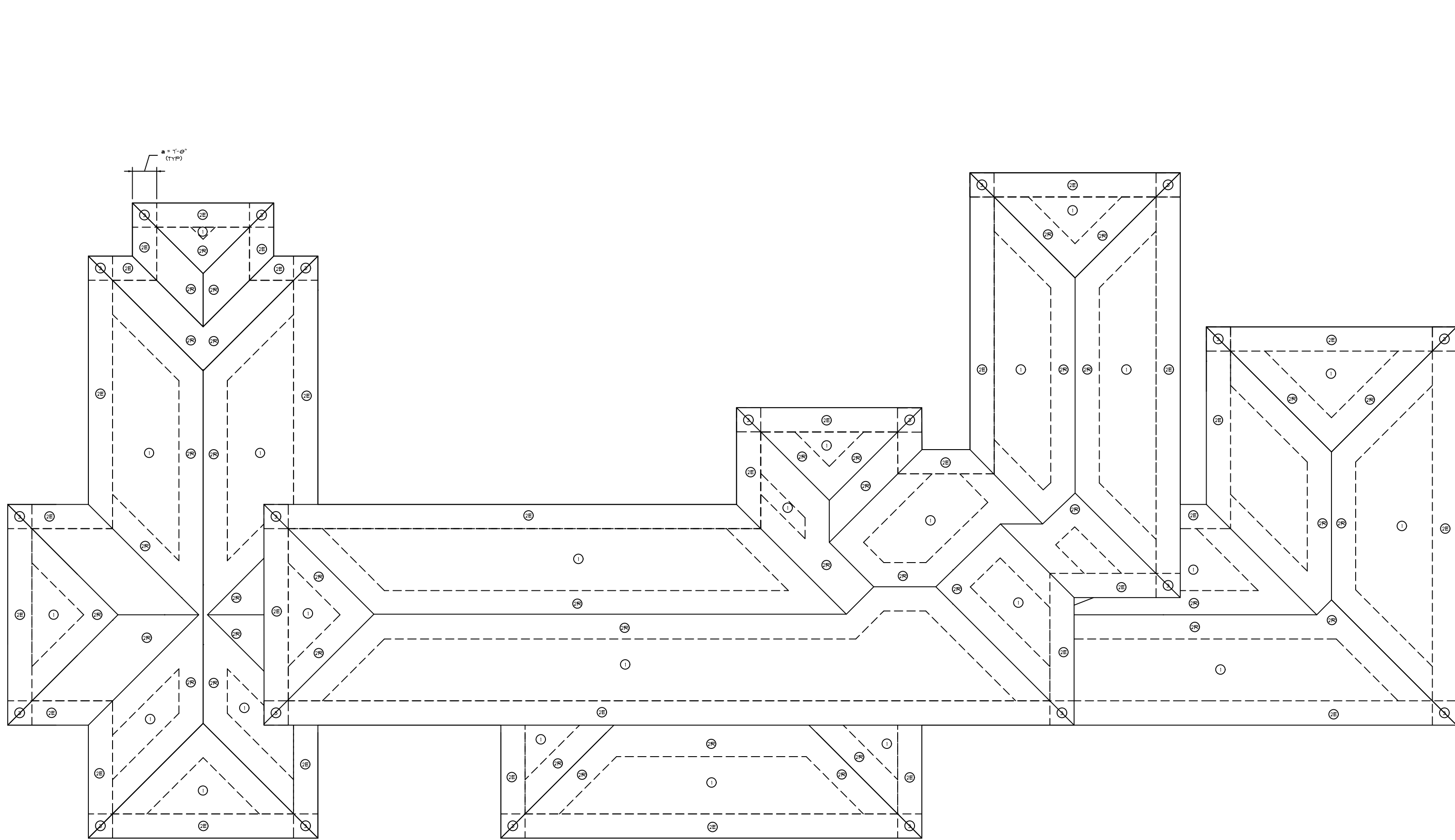


Ismael David Santana, P.E.
Florida Registration No. 90838

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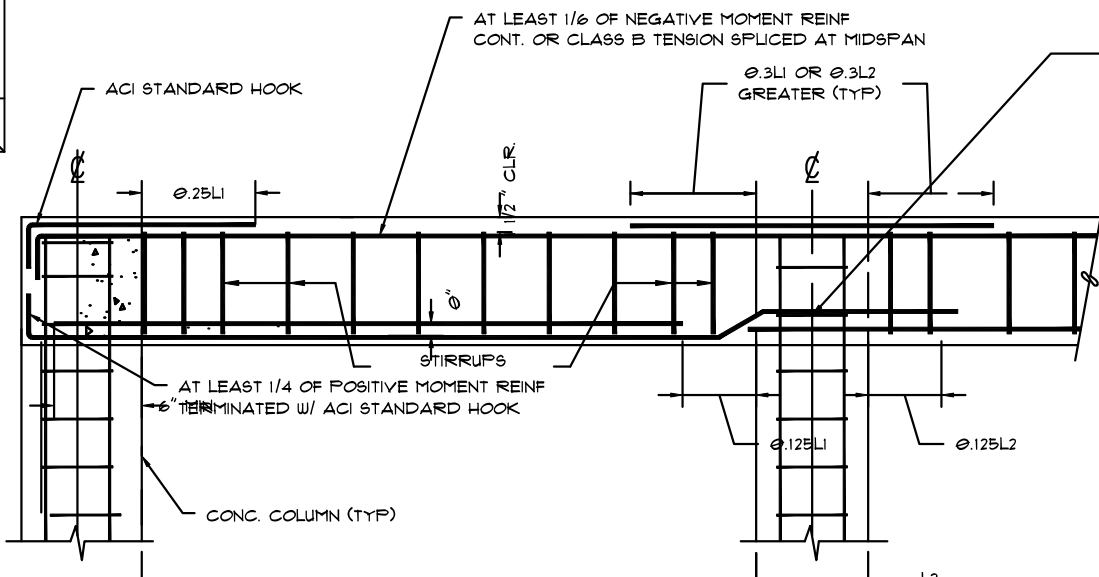
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Wind by S.E.O.R.	03-04

WIND LOAD BY S.E.O.R.

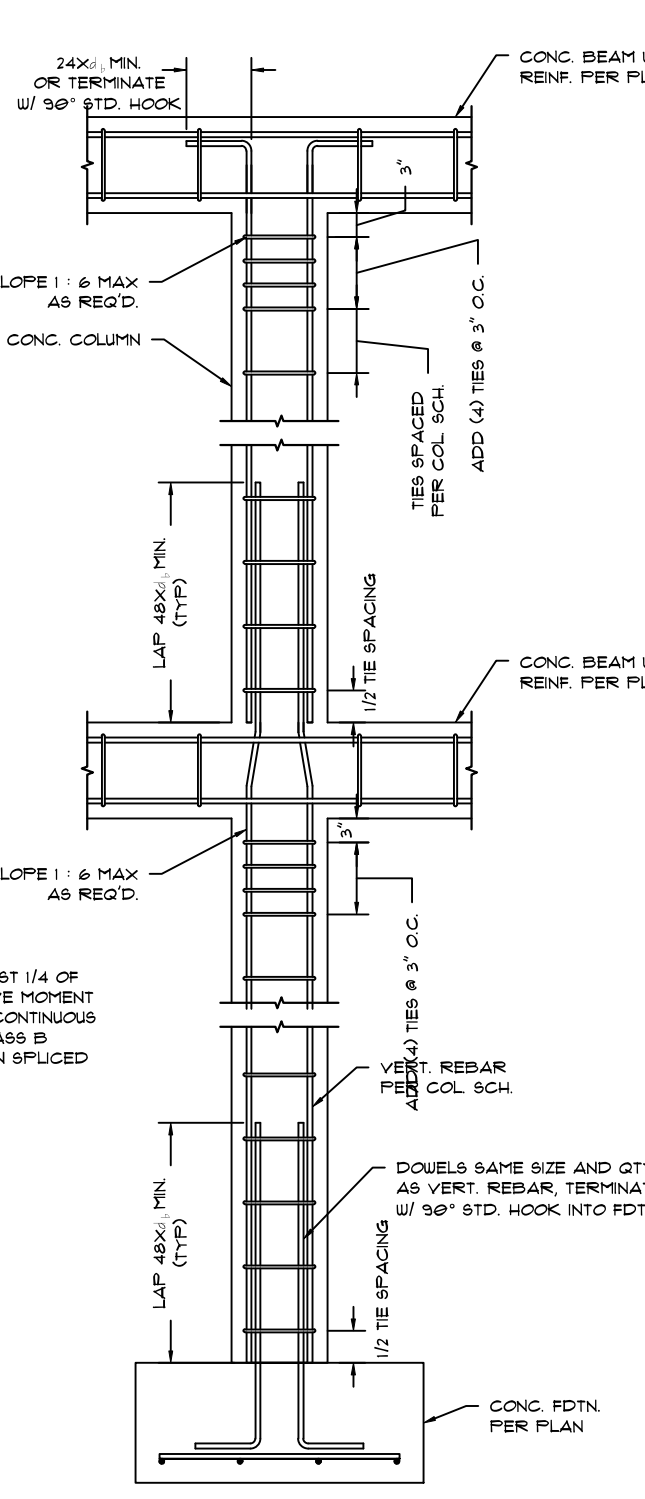


C&C WIND ZONE DIAGRAMS
SCALE: N.T.S.

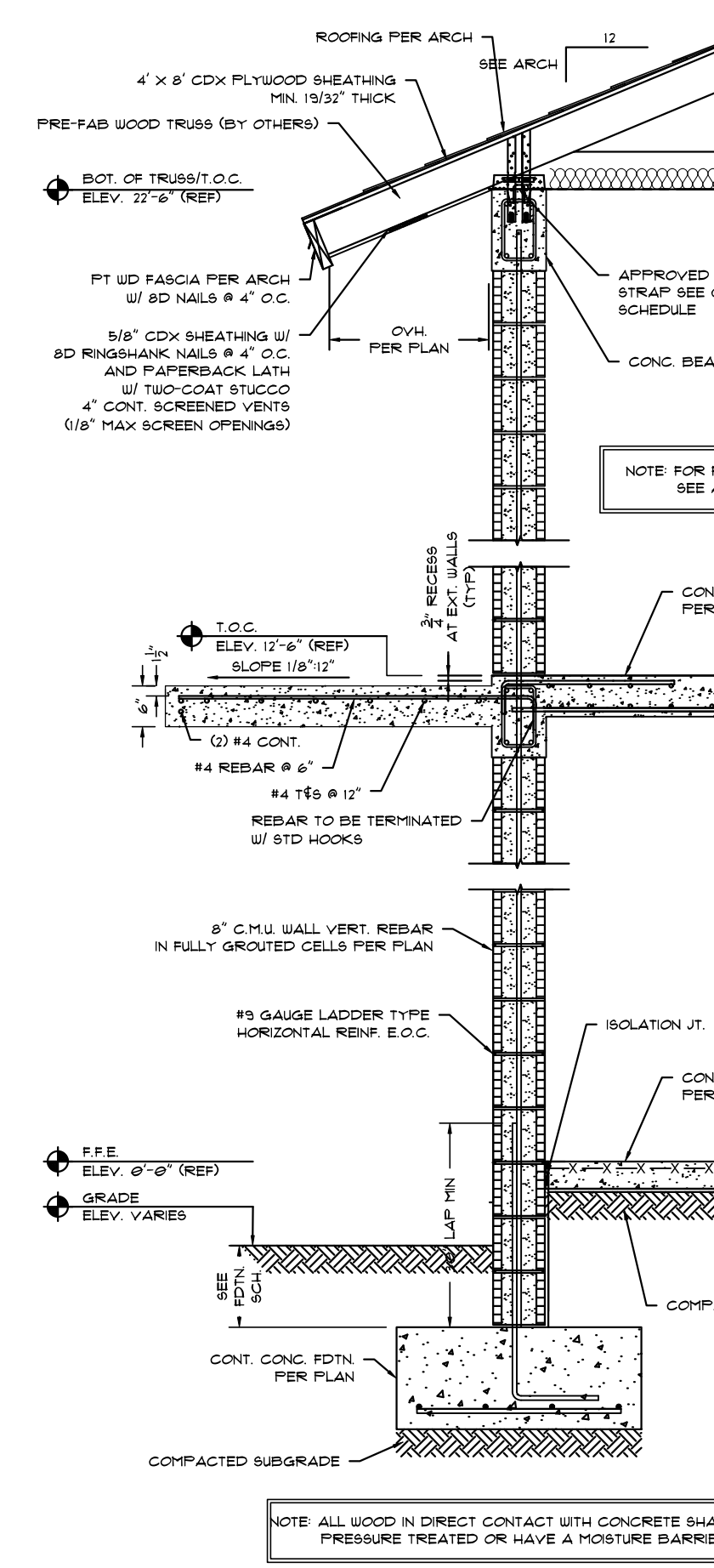
Ultimate Net Design Wind Pressure, P_{net} (psf) (Exposure C at $h = 25$ ft.)					
Roof Type	h/D	Zone	Effective Wind Area (sf)	Basic Wind Speed (mph)	
				175	175
Hip Roof > 7 to 20 Degrees	ND=0.5	1	10	46.8	-142.5
		1	20	42.1	-142.6
		1	50	36.1	-83.8
		1	100	31.4	-44.5
		2e	10	46.8	-142.6
		2e	20	42.1	-142.6
		2e	50	36.1	-86.7
		2e	100	31.4	-44.5
		2f	10	46.8	-142.6
		2f	20	42.1	-179.8
		2f	50	36.1	-114.5
		2f	100	31.4	-114.5
Walls		3e	10	46.8	-247.2
		3e	20	42.1	-179.8
		3e	50	36.1	-142.6
		3e	100	31.4	-114.5
		4	10	77.2	-83.7
		4	20	73.7	-80.3
		4	50	69.2	-75.7
		4	100	65.7	-72.2
		5	10	77.2	-103.3
		5	20	73.7	-96.4
		5	50	69.2	-87.2
		5	100	65.7	-80.3



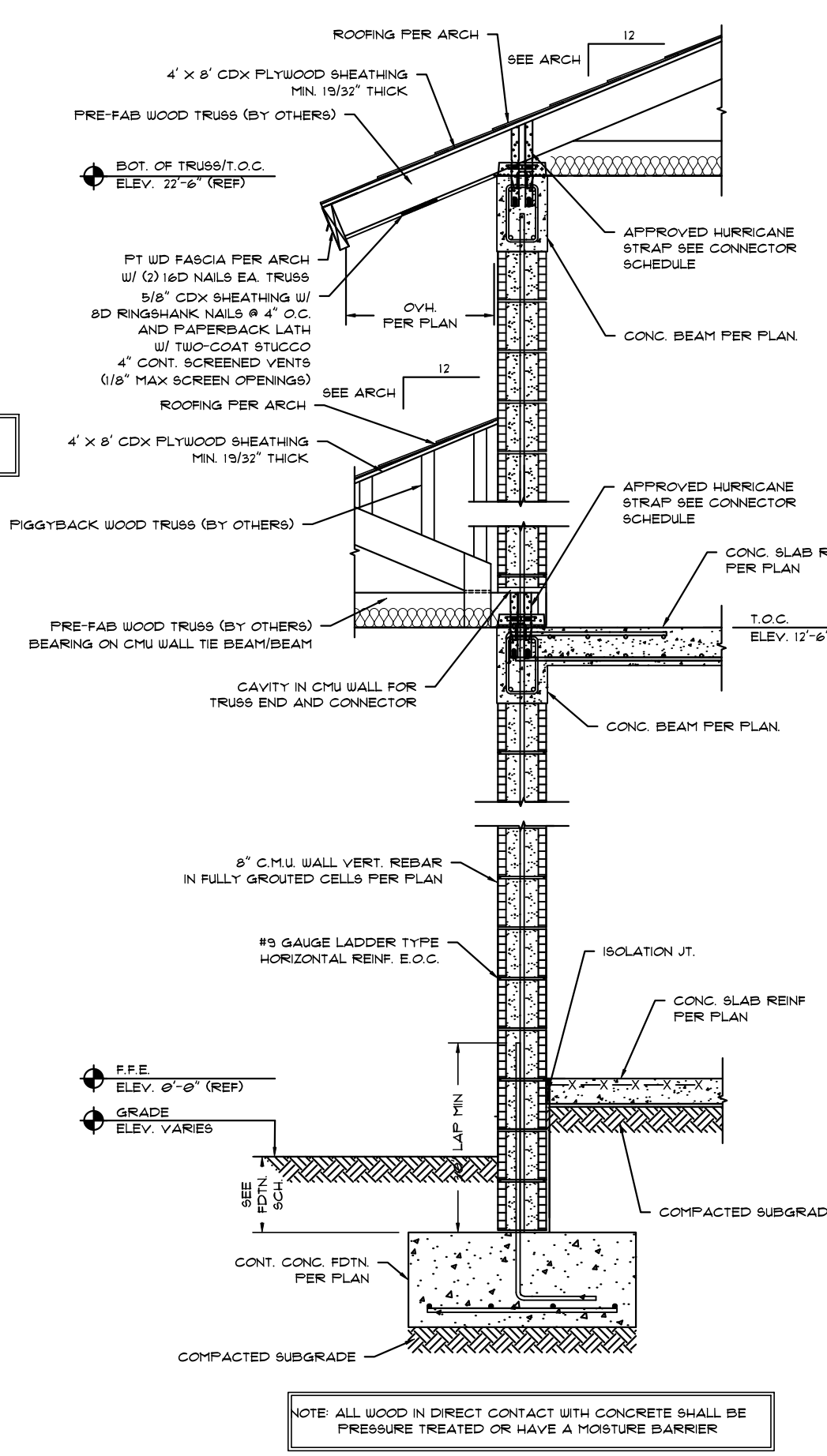
TYP CONCRETE BEAM REINFORCEMENT PLACEMENT
SCALE: N.T.S.



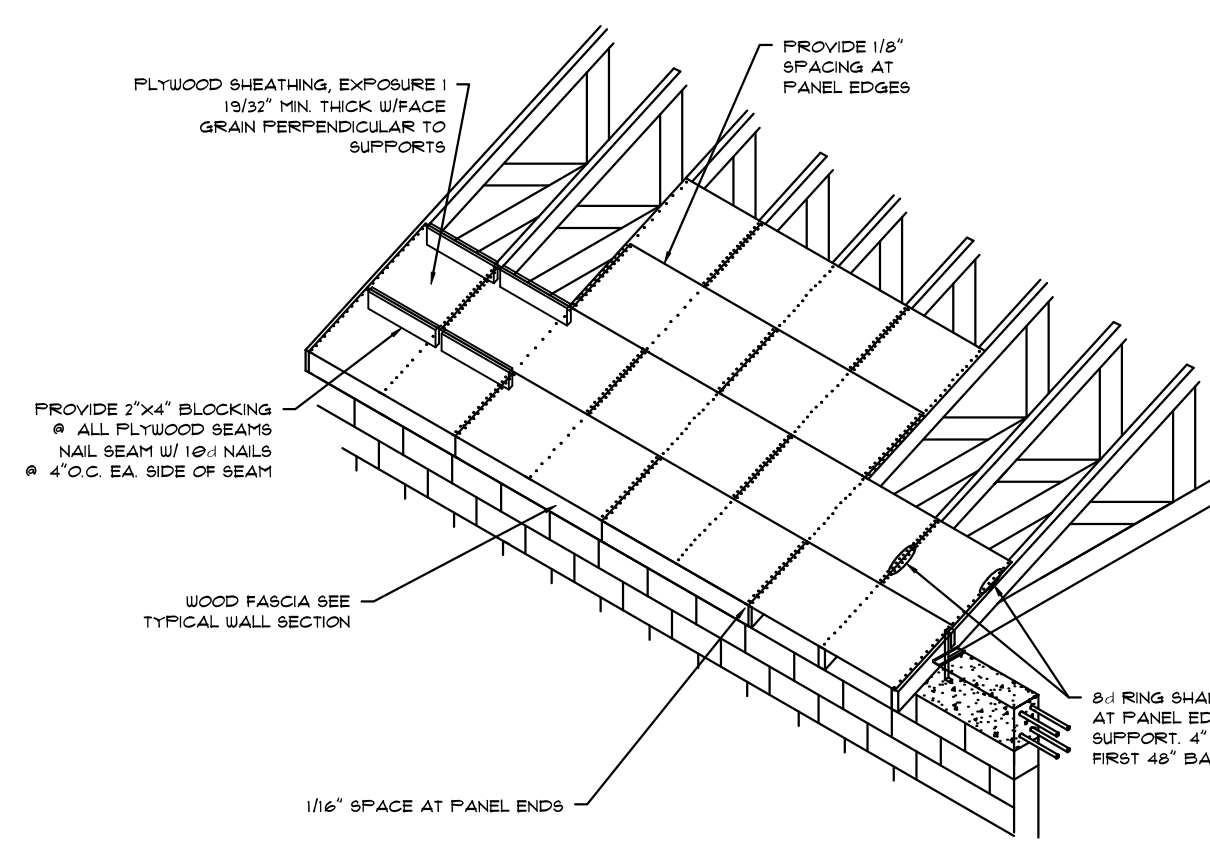
CONC. COLUMN DETAIL
SCALE: N.T.S.



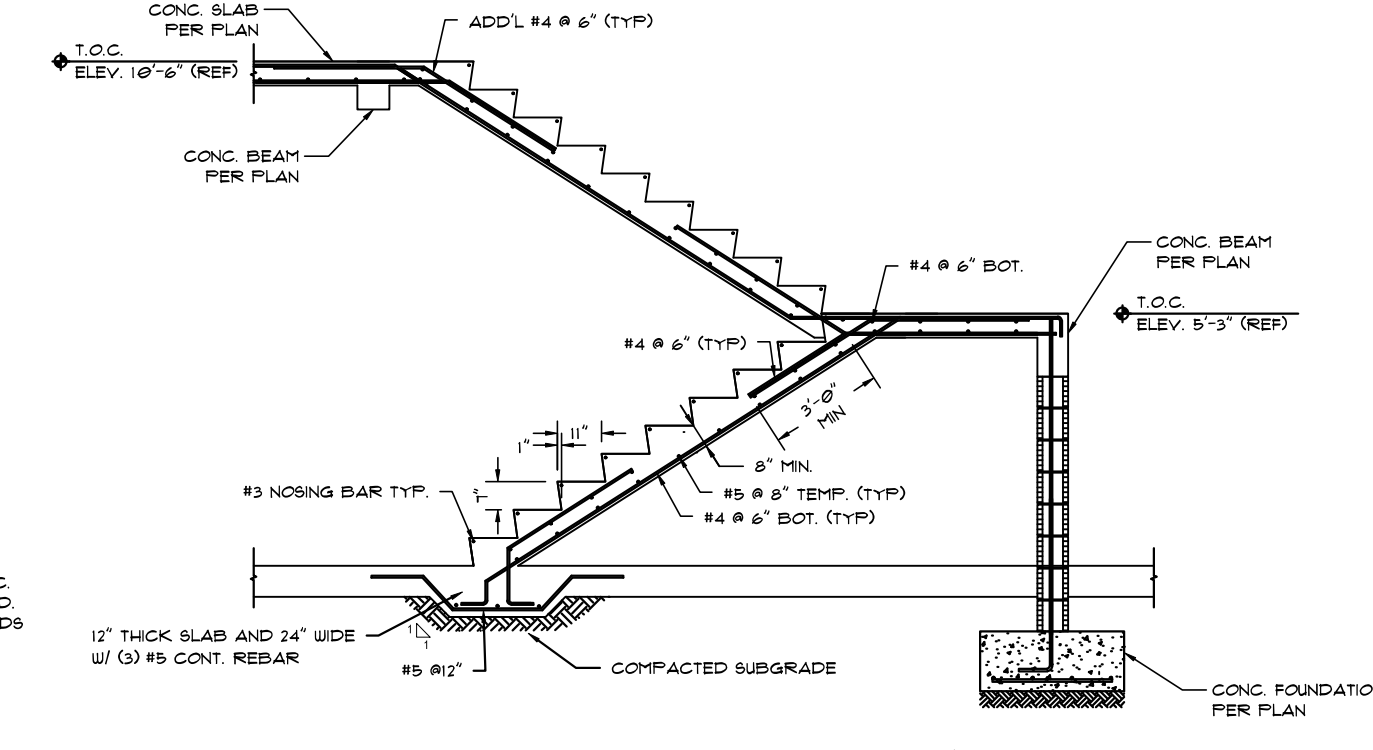
TYP WALL SECTION
SCALE: N.T.S.



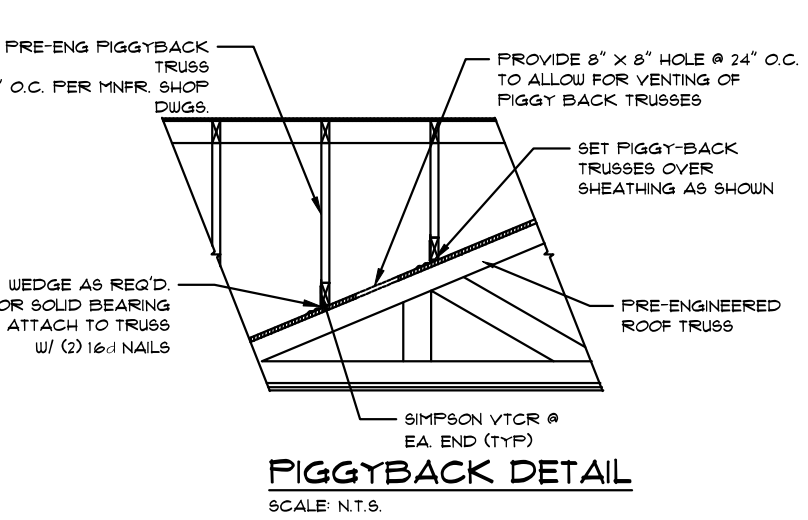
WALL SECTION
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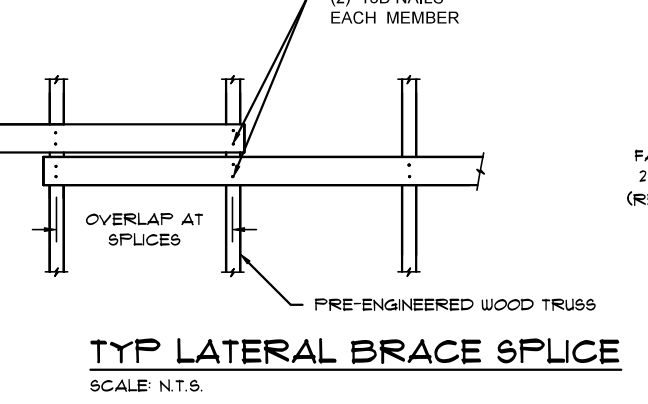
PLYWOOD NAILING DETAIL
SCALE: N.T.S.



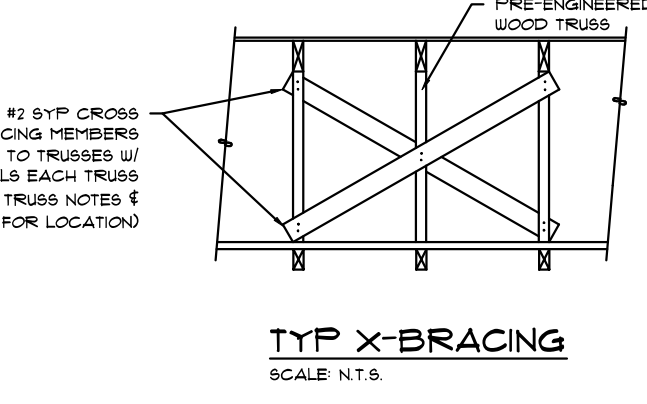
CONC. STAIR DETAIL
SCALE: N.T.S.



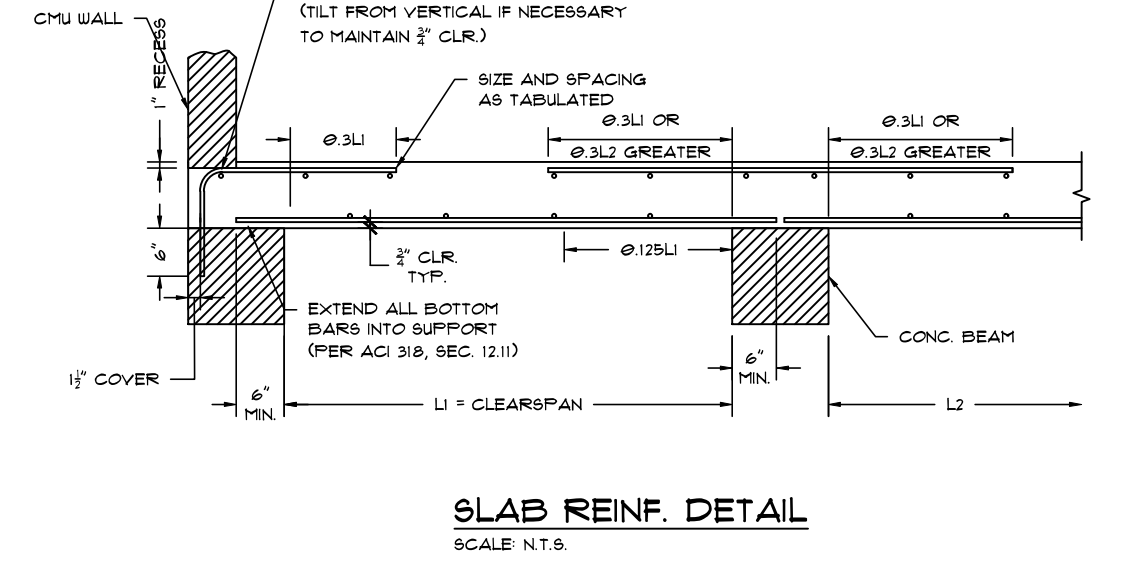
PIGGYBACK DETAIL
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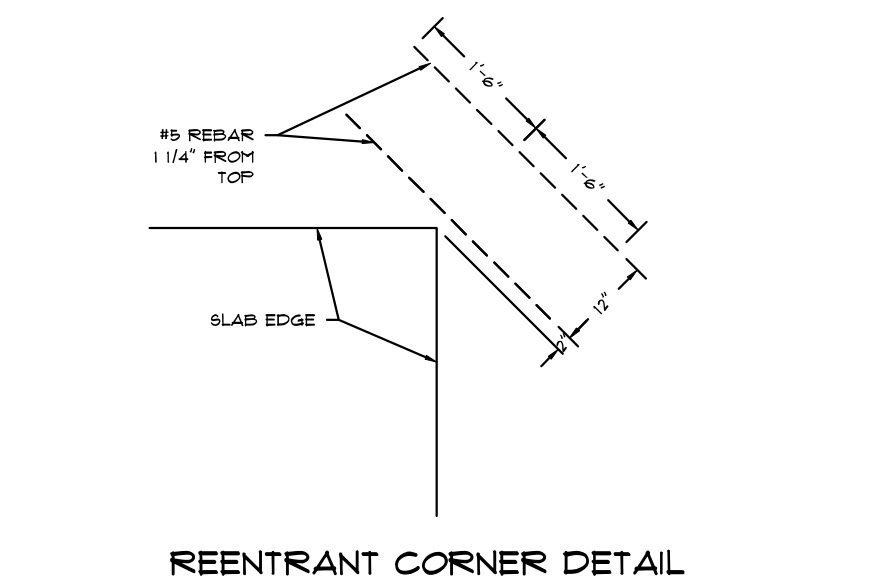
TYP LATERAL BRACE SPLICE
SCALE: N.T.S.



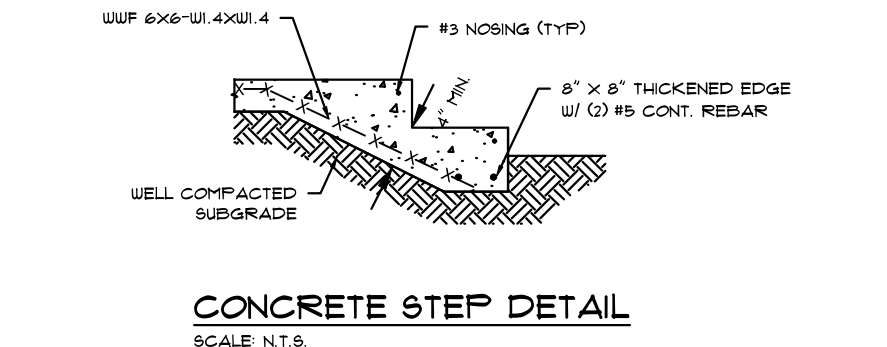
TYP X-BRACING
SCALE: N.T.S.



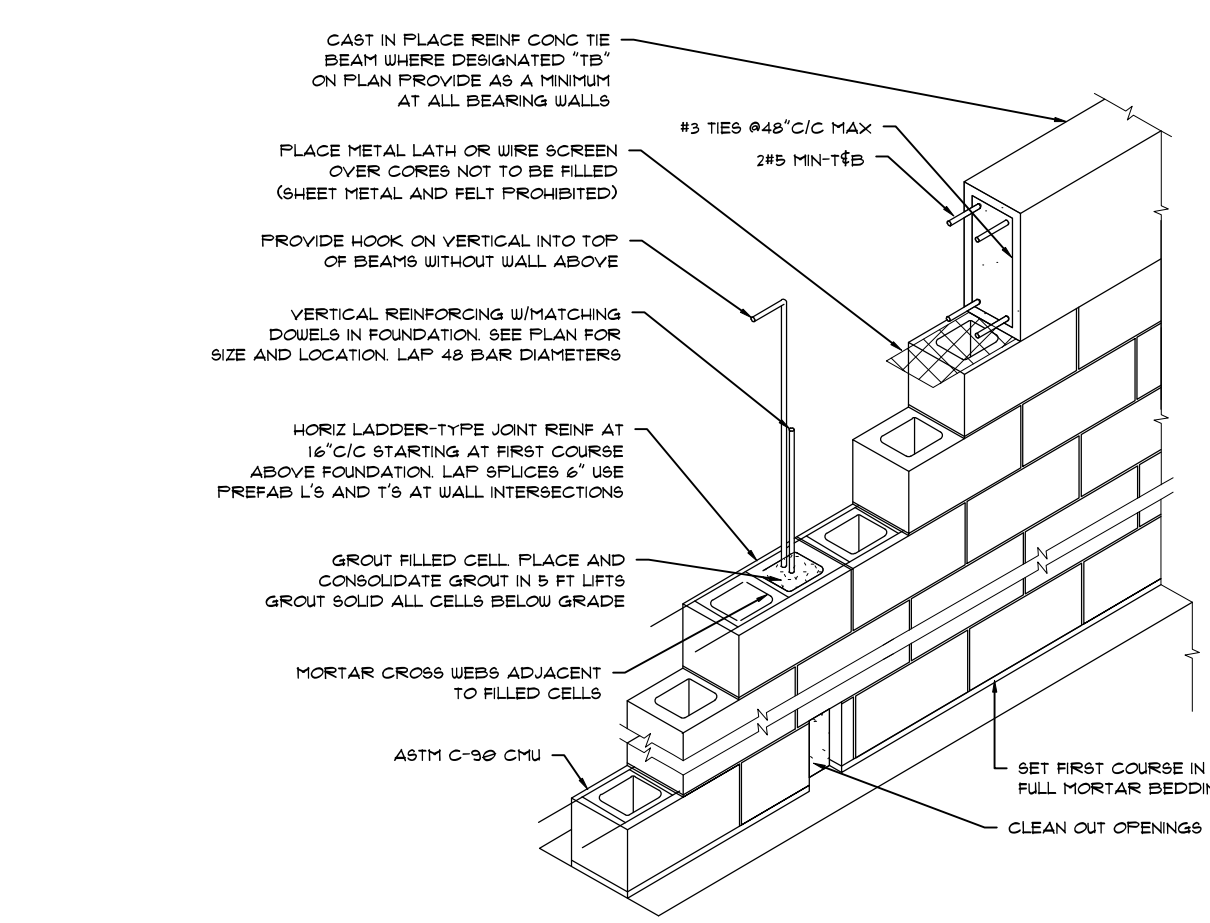
SLAB REINF. DETAIL
SCALE: N.T.S.



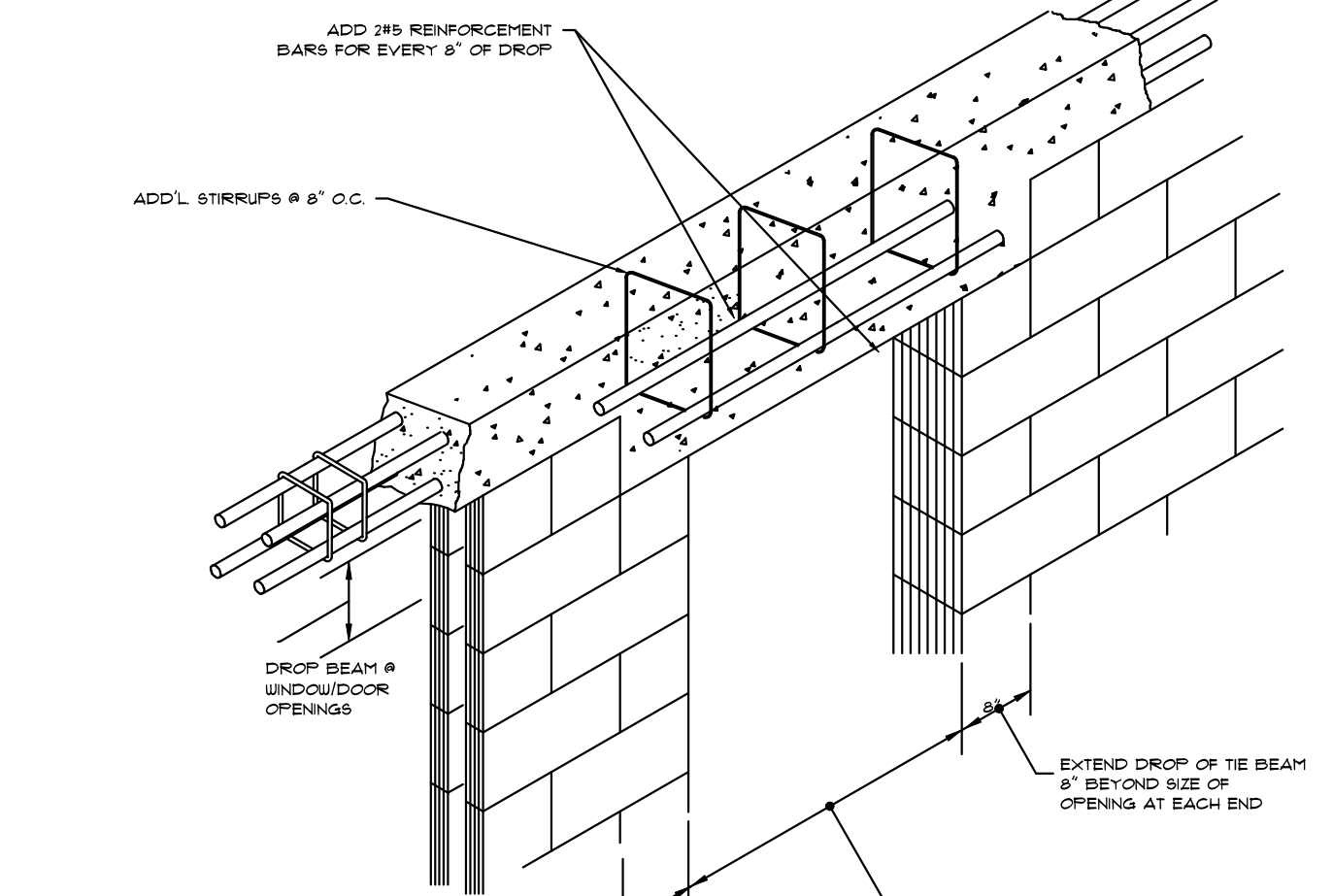
REINFRANT CORNER DETAIL
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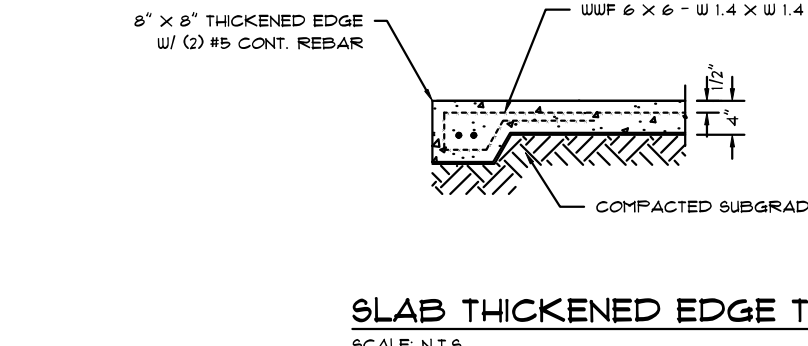
CONCRETE STEP DETAIL
SCALE: N.T.S.



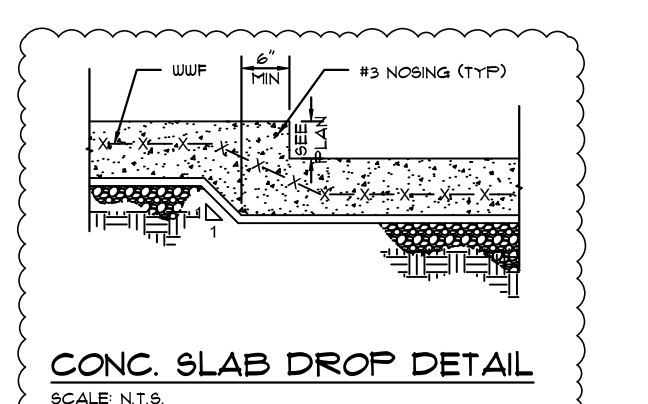
TYPICAL CMU DETAIL
SCALE: N.T.S.



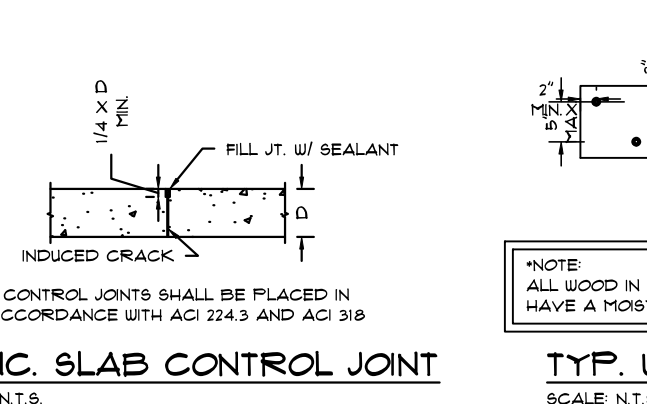
TIE BEAM DROP AT OPENINGS
SCALE: N.T.S.



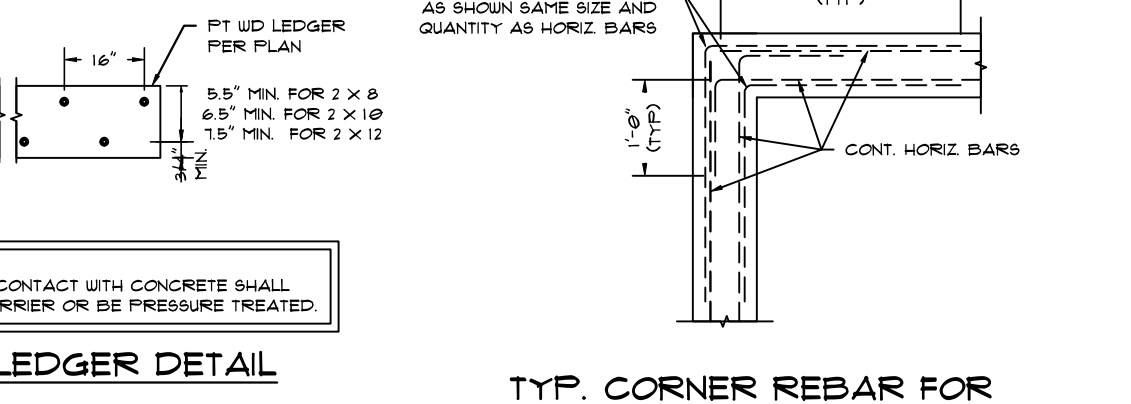
SLAB THICKENED EDGE DETAIL
SCALE: N.T.S.



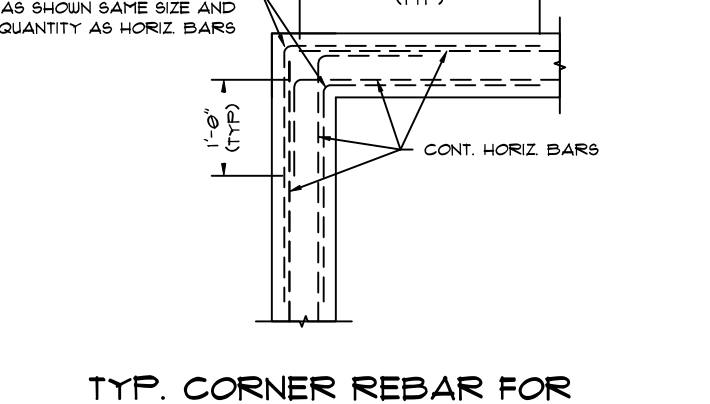
CONC. SLAB DROP DETAIL
SCALE: N.T.S.



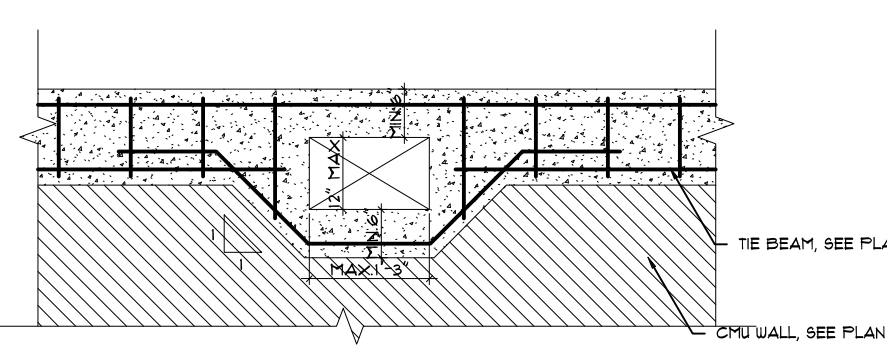
CONC. SLAB CONTROL JOINT
SCALE: N.T.S.



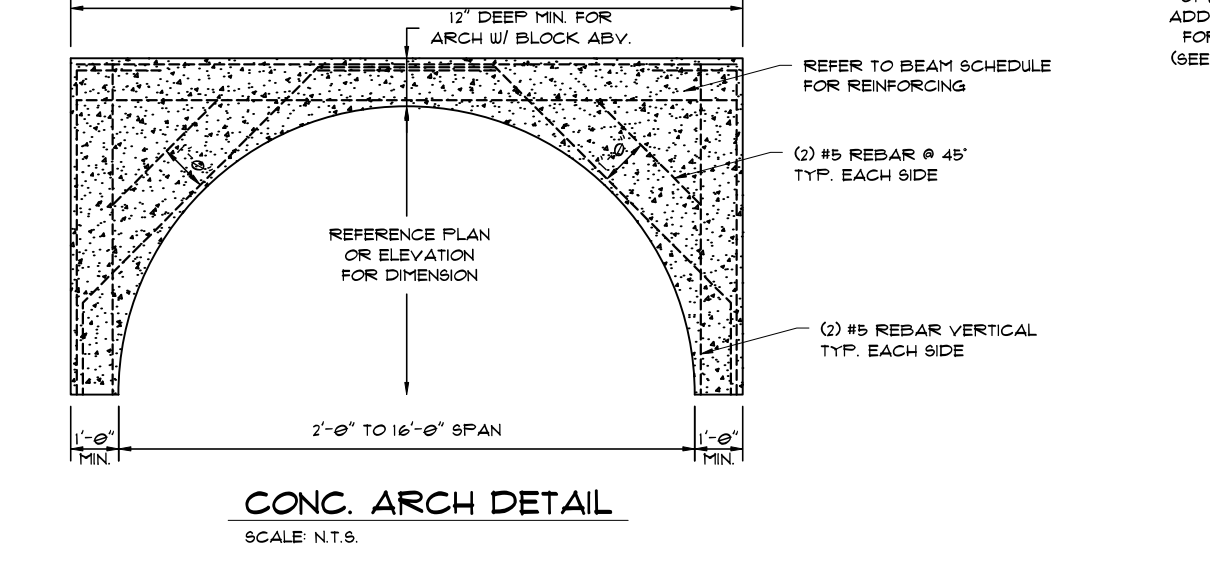
TYP. WD. LEDGER DETAIL
SCALE: N.T.S.



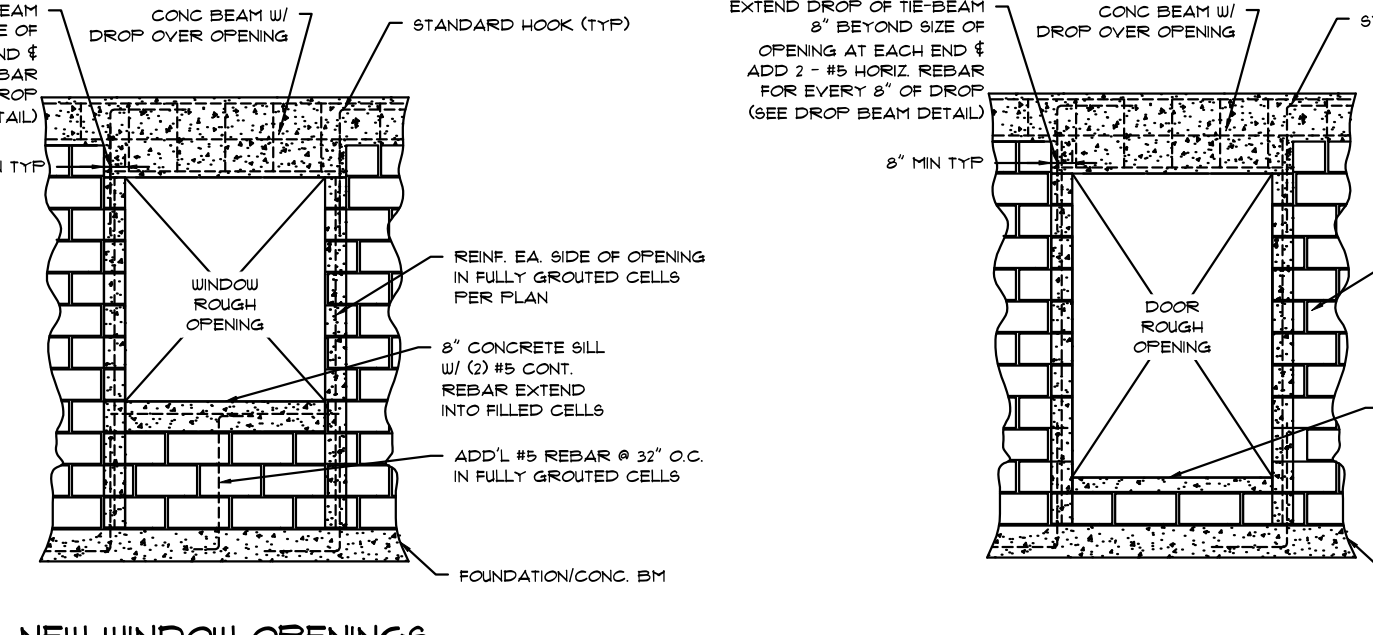
TYP. CORNER REBAR FOR FTGS, WALLS, & TIE-BEAMS
SCALE: N.T.S.



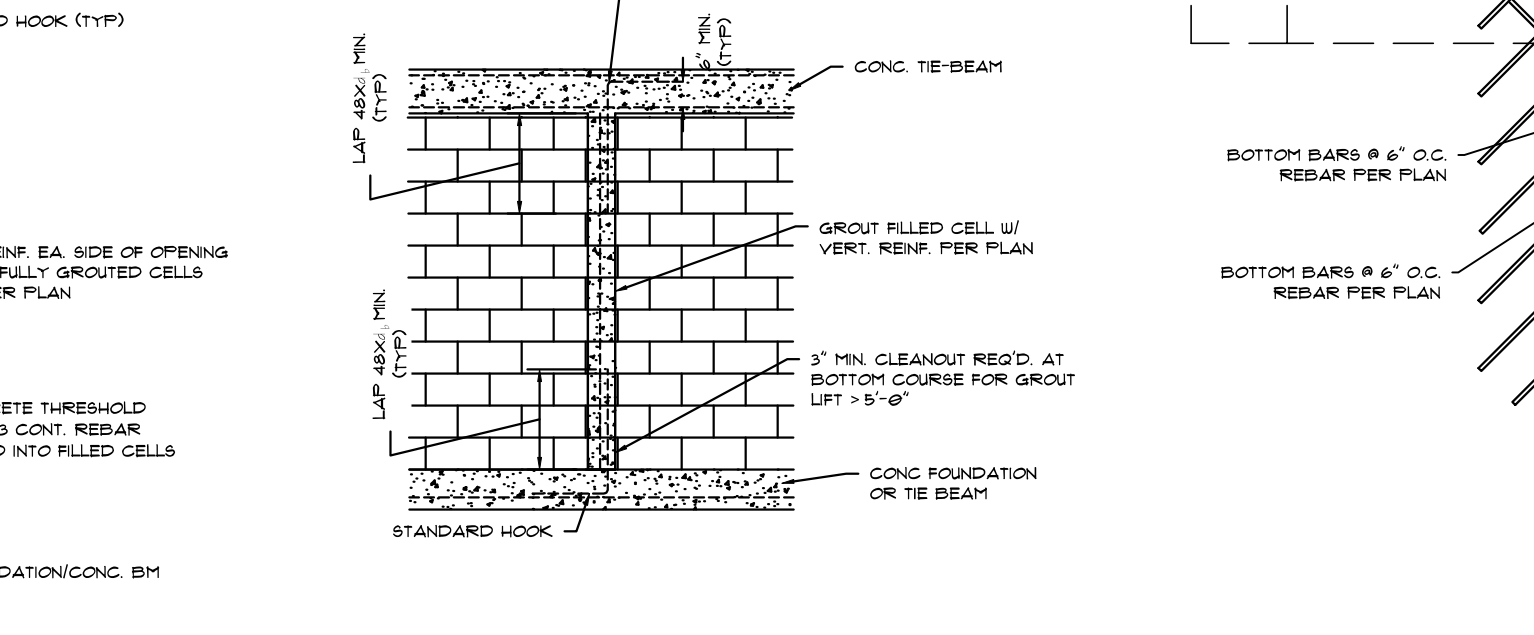
DUCT OPENING THROUGH TIE BEAM
SCALE: N.T.S.



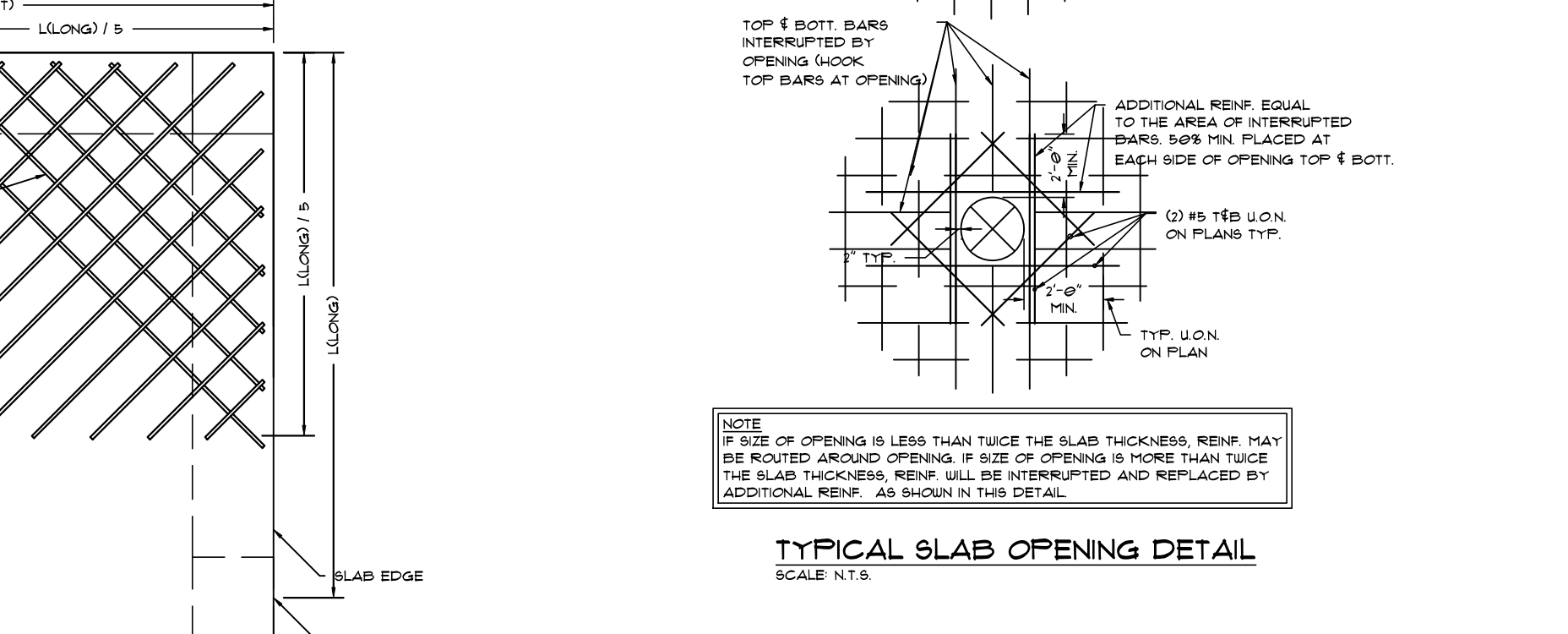
CONC. ARCH DETAIL
SCALE: N.T.S.



NEW WINDOW OPENINGS
SCALE: N.T.S.

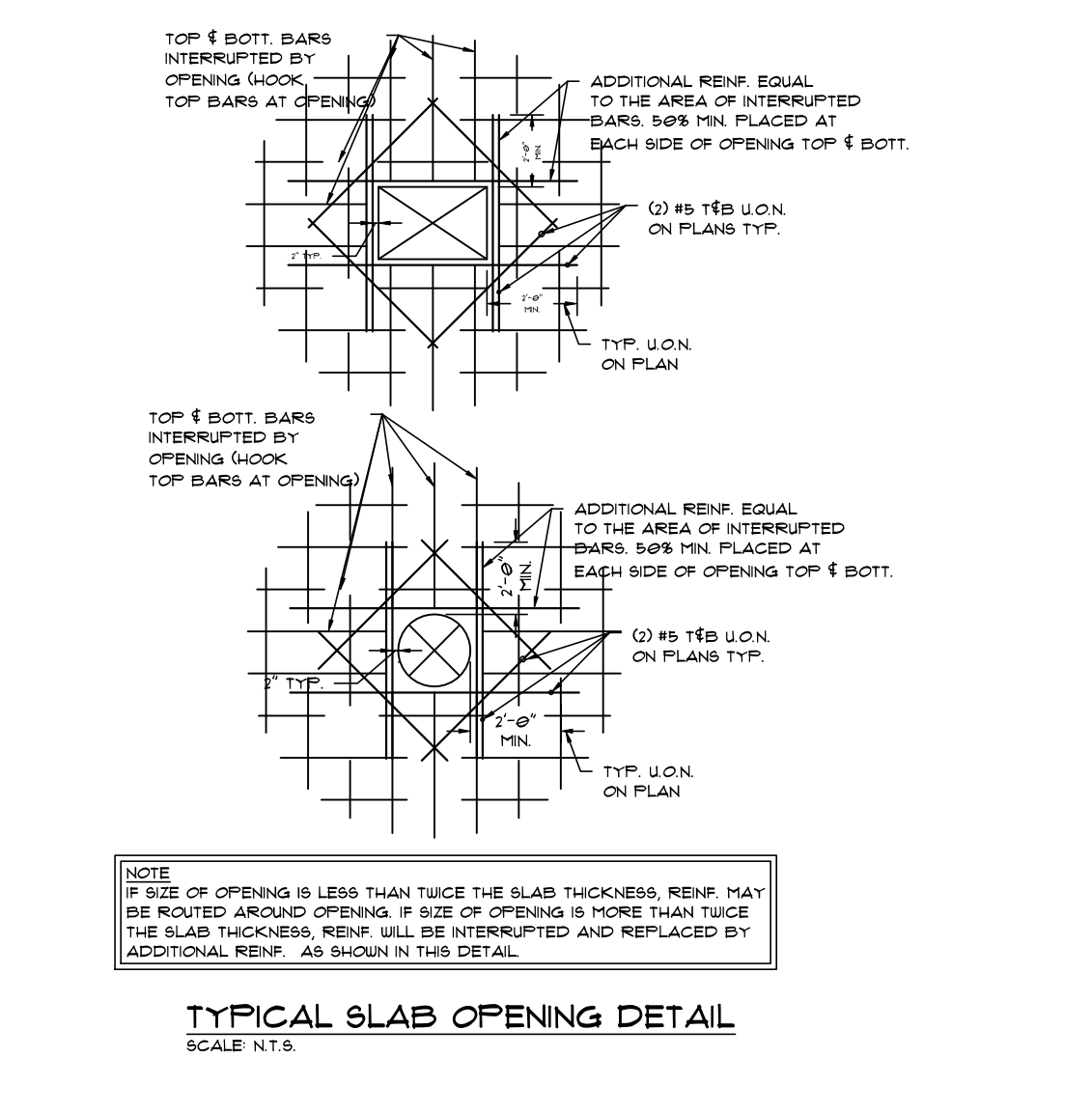


DOOR OPENING DETAIL
SCALE: N.T.S.

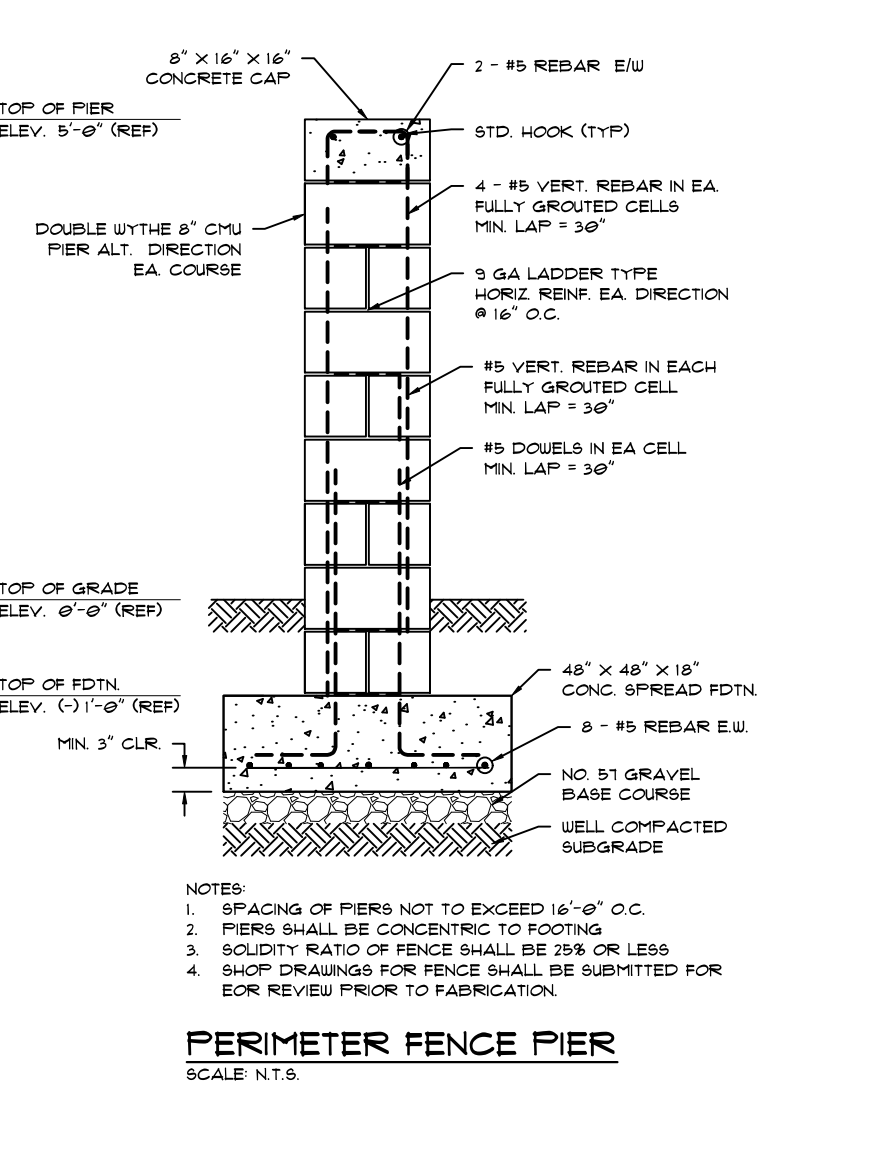


TYP WALL REINFORCEMENT
SCALE: N.T.S.

SLAB CORNER REBAR
SCALE: N.T.S.



TYPICAL SLAB OPENING DETAIL
SCALE: N.T.S.



PERIMETER FENCE PIER
SCALE: N.T.S.