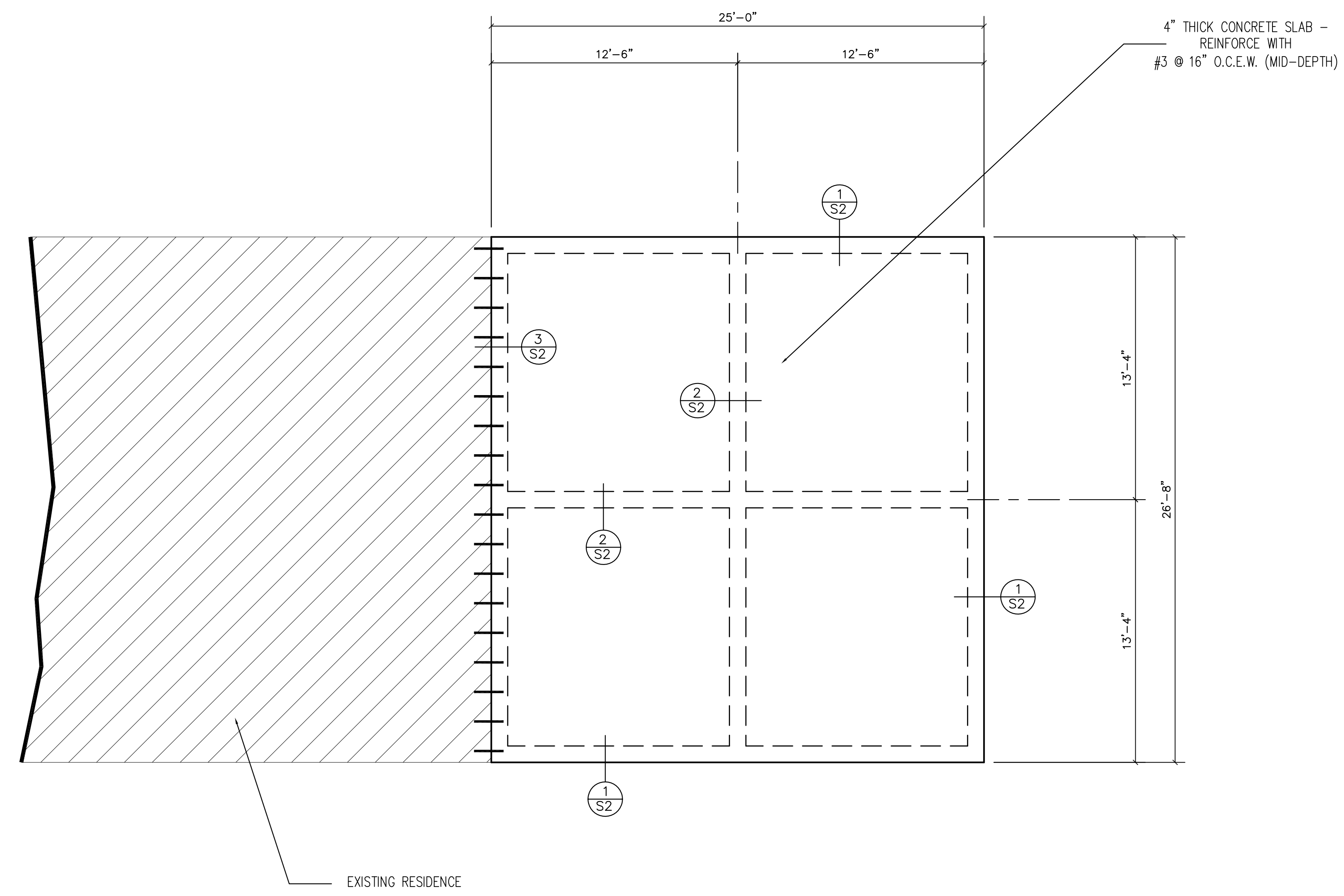
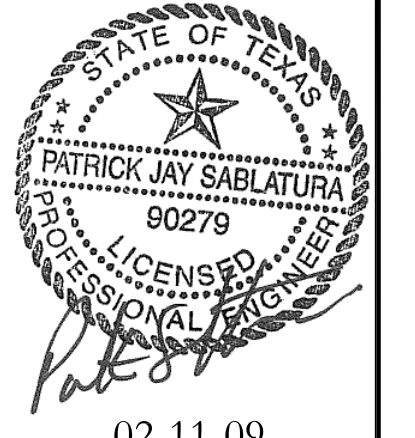




**Synergetic
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Austin, Texas 78759
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DUE TO SOILS INVESTIGATION BY GEOTECH ENGINEER NOT PERFORMED ON THIS SITE AND BECAUSE THIS SITE IS LOCATED ON CLAY FORMATIONS THAT HISTORICALLY HAVE BEEN KNOWN TO CAUSE SIGNIFICANT STRUCTURAL DAMAGE, SYNERGETIC ENGINEERS CANNOT BE HELD LIABLE FROM SOILS EXPANSION WHICH CAN LEAD TO FOUNDATION MOVEMENT, TILT AND DEFLECTION.

NOTE:
BUILDER AND/OR CONTRACTOR IS RESPONSIBLE FOR ALL ARCHITECTURAL DIMENSIONS AND SHOULD VERIFY ALL DIMENSIONS WITH ARCHITECTURALS PRIOR TO SETTING FORMS. THESE PLANS ARE FOR THE LOCATION OF STRUCTURAL REINFORCEMENT, BEAM DEPTH AND BEAM LOCATIONS ONLY. REPORT ANY DISCREPANCIES TO THE ENGINEER. THE FORMS SHOULD BE BUILT USING THE ARCHITECTURAL PLANS - NOT THE ENGINEER'S PLAN. DO NOT SCALE PLAN.

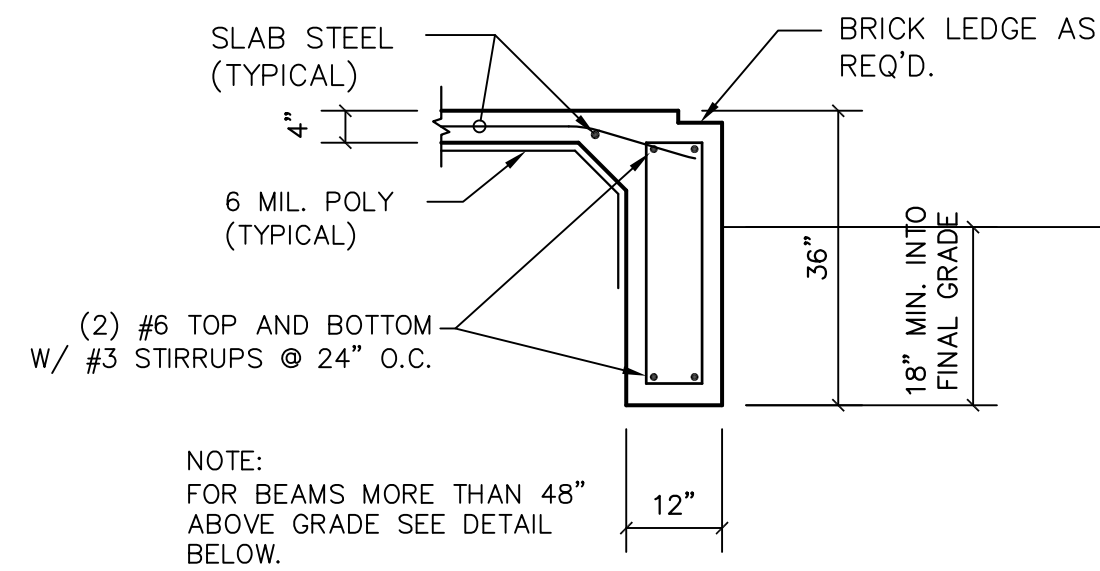
309 North Avenue G
"Flores Residence Addition"
Elgin, Texas

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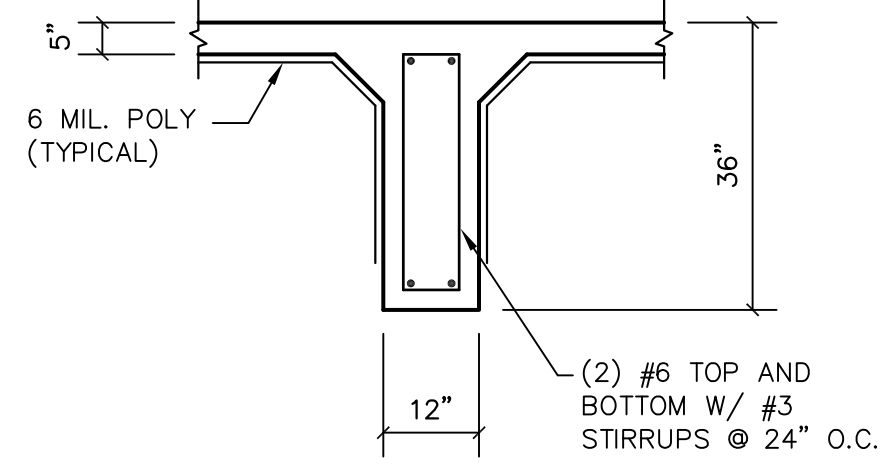
FLOOR PLAN

SCALE: 1/4"=1'-0"
ON PAGE SIZE:
ARCH 'D'
24" X 36"

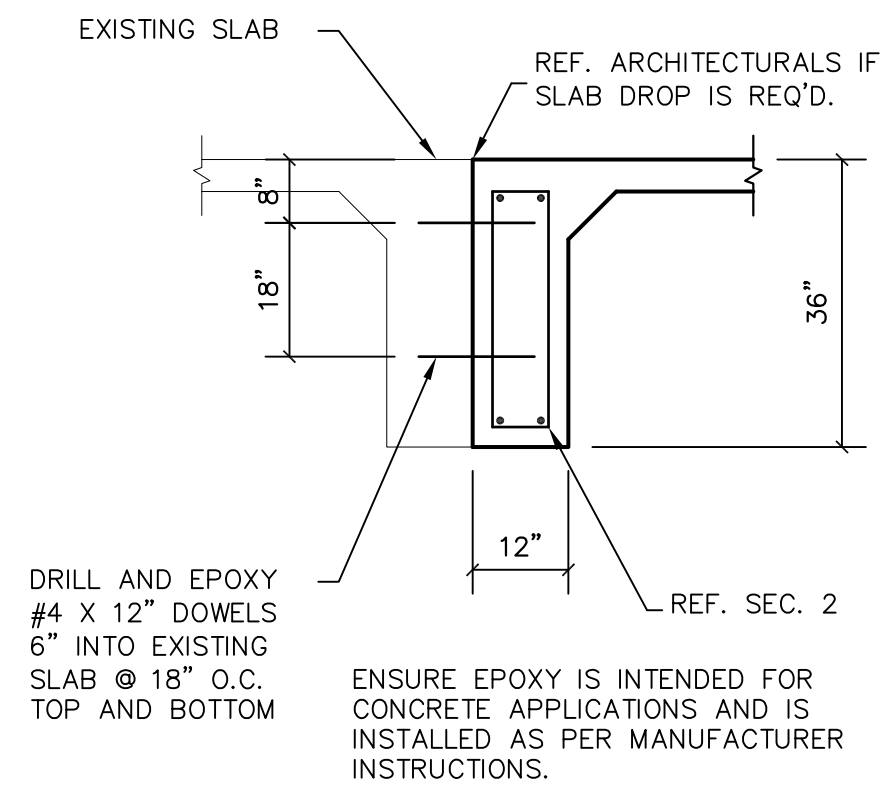
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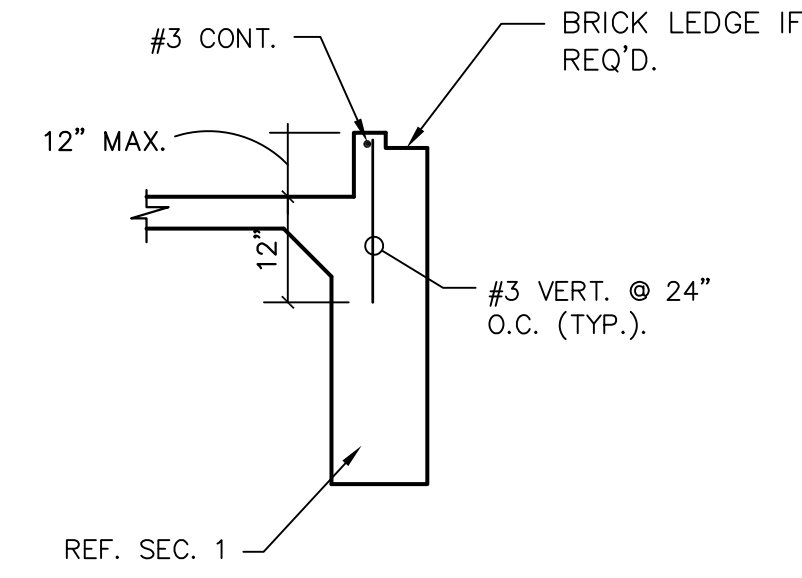
SECTION 1



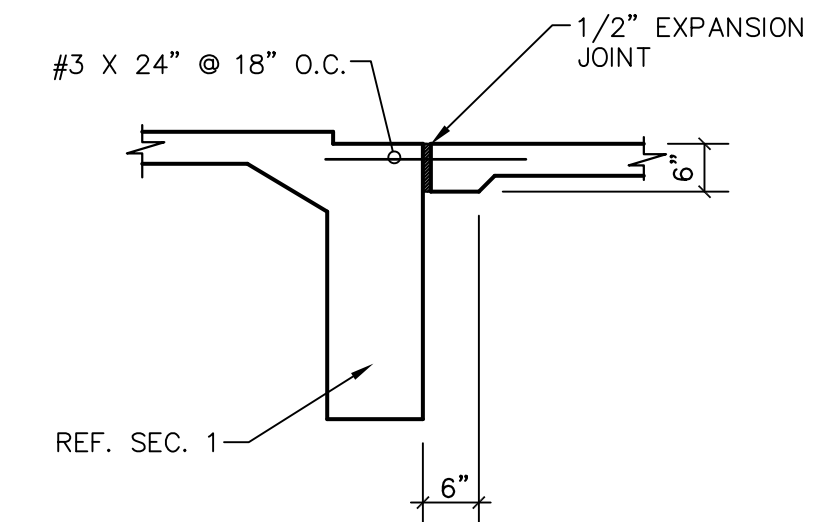
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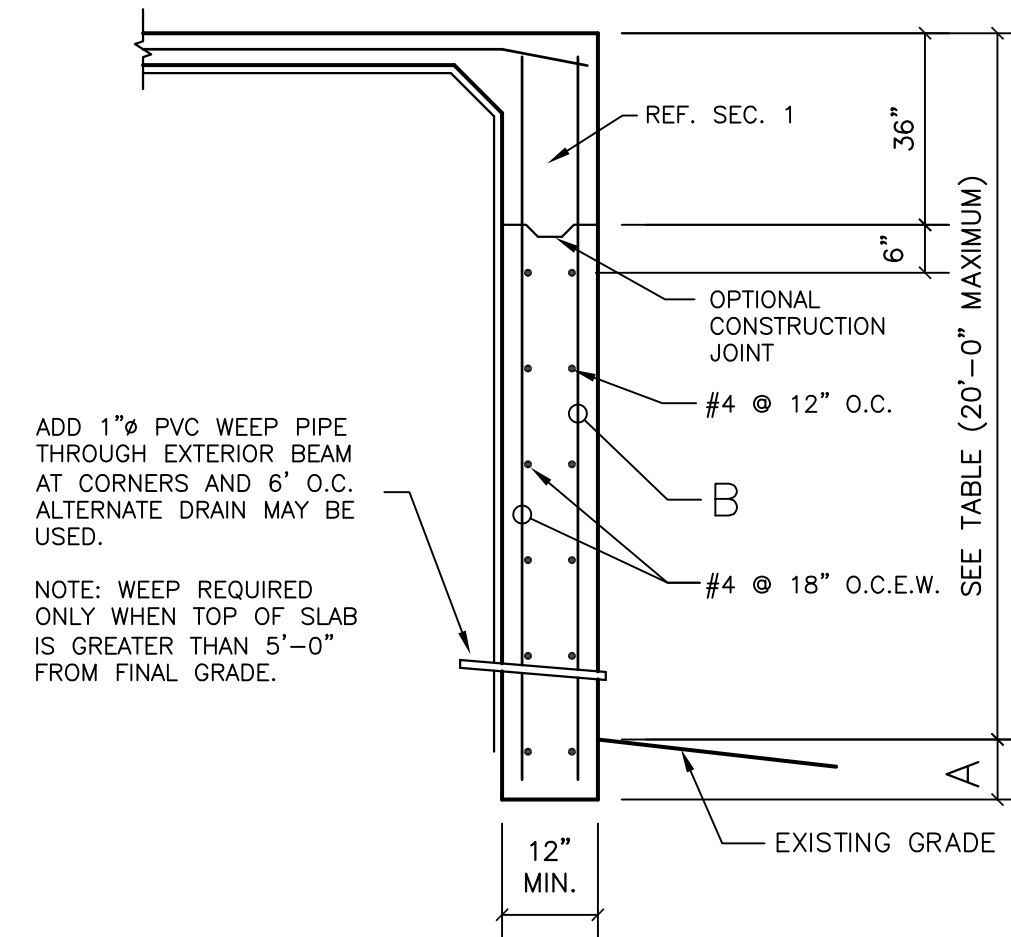
SECTION 3



SECTION 4

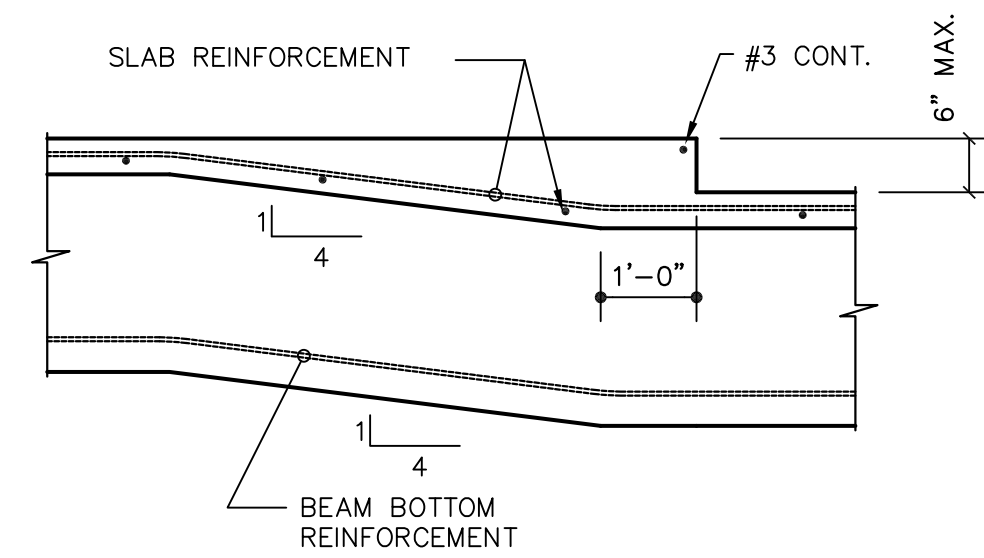


SECTION 5

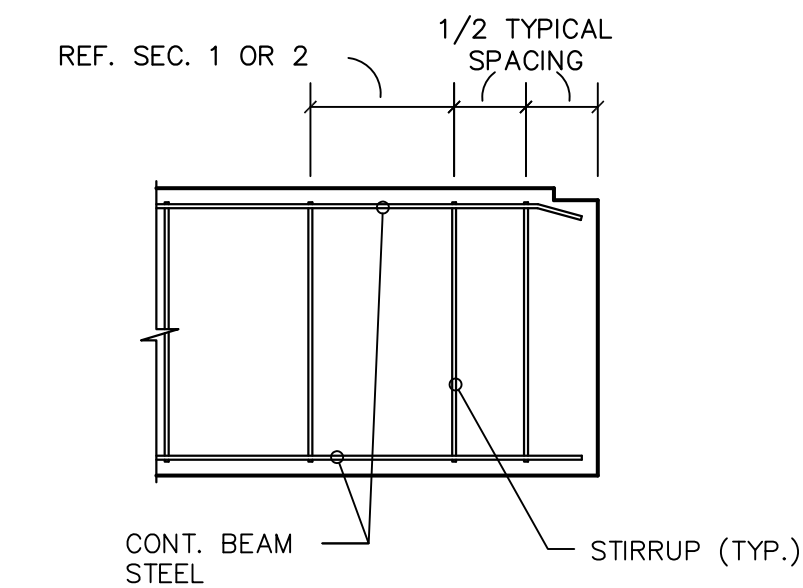


WALL HEIGHT	A	B
4'-1" TO 6'-0"	REF. SEC. 1	#4 @ 18" O.C. VERT.
6'-1" TO 12'-0"	REF. SEC. 1	#4 @ 12" O.C. VERT.
12'-1" TO 16'-0"	REF. SEC. 1	#6 @ 12" O.C. VERT.
16'-1" TO 20'-0"	REF. SEC. 1	#6 @ 12" O.C. VERT.

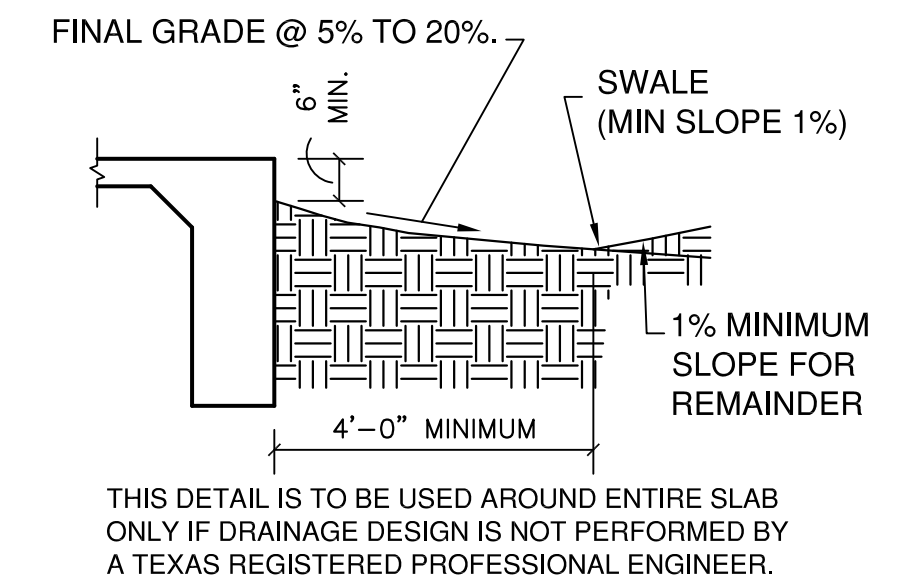
EXTERIOR BEAM GREATER THAN 4'-0" ABOVE EXISTING GRADE



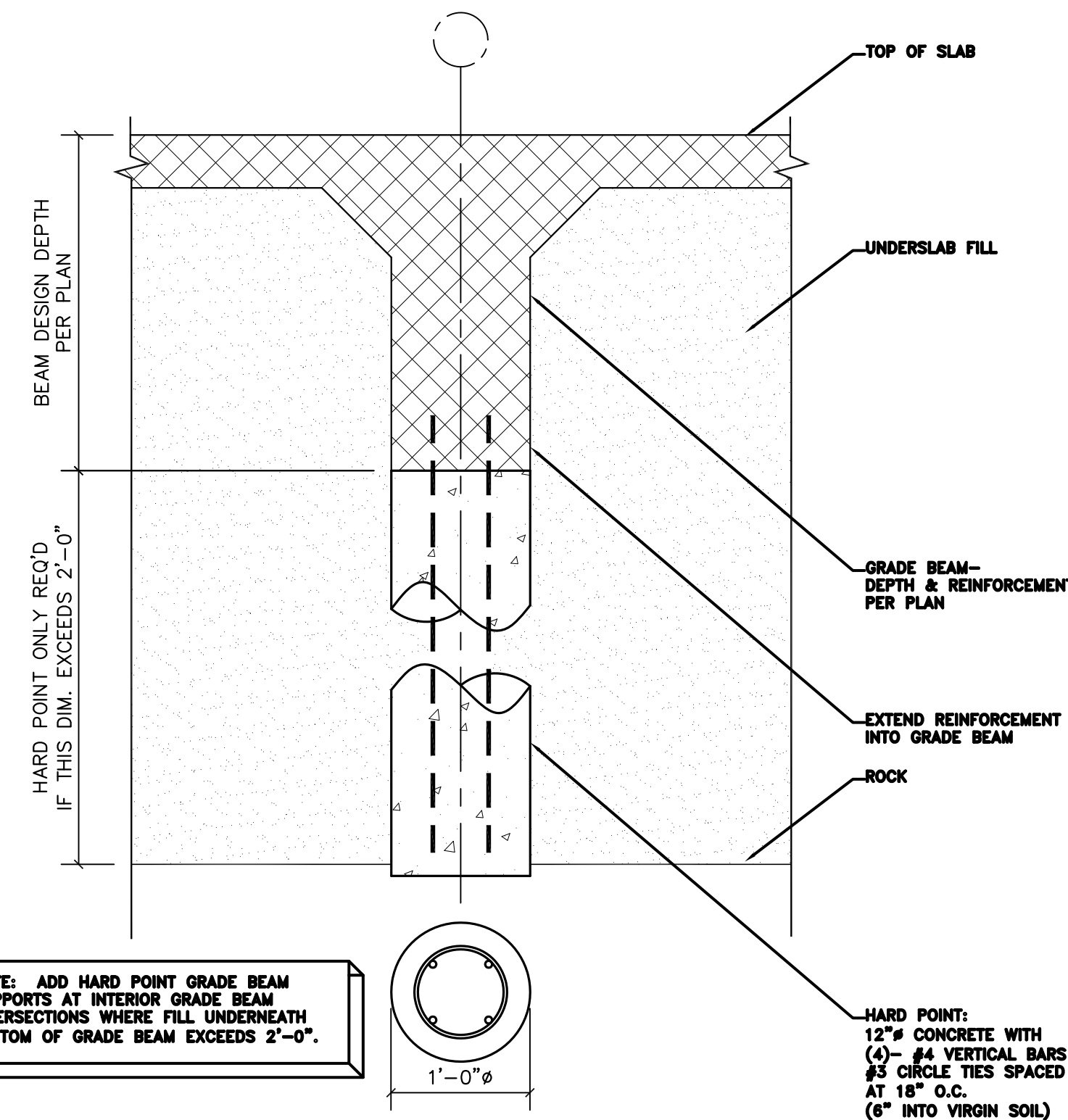
TYPICAL DROP IN SLAB 6" MAX.



TYPICAL GRADE BEAM ELEVATION



TYPICAL FINAL GRADE DETAIL



HARD POINT DETAIL

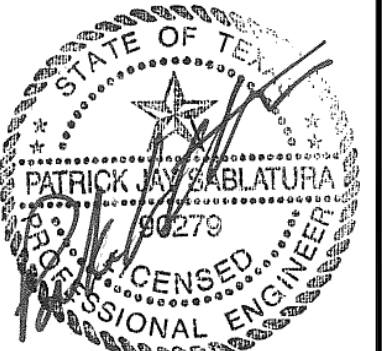
- GENERAL:**
- THE LATEST P.T.I. CRITERIA ALONG WITH THE LATEST A.C.I. CODE HAVE BEEN USED IN ESTABLISHING THE DESIGN REQUIREMENTS FOR THIS FOUNDATION. FOUNDATIONS CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS WILL GENERALLY MEET THE REQUIREMENTS OF 2003 INTERNATIONAL BUILDING CODE AND STANDARDS OF GOOD ENGINEERING PRACTICE.
 - ALL DIMENSIONS ARE INTERPRETED FROM AND SHALL BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS AND BE COMPARED WITH ELECTRICAL, PLUMBING AND MECHANICAL DRAWINGS.
 - DO NOT SCALE PLAN. CONTACT ENGINEER FOR CLARIFICATIONS.
 - ENGINEER'S INSPECTION REQUIRED FOR:
 - CONCRETE PRE - POUR SETUP
 - SHOULD CONDITIONS ARISE THAT ARE NOT COVERED BY DETAILS ON THIS PLAN, CONTACT ENGINEER AT ONCE FOR ADDITIONAL INSTRUCTIONS.
- CONCRETE:**
- CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. SUBMITTAL OF MIX DESIGN REQUIRED.
 - CONCRETE SHALL BE WELL CONSOLIDATED USING PROPER MECHANICAL VIBRATION, ESPECIALLY IN THE VICINITY OF THE TENDON ANCHORAGE.
 - NO CONDUIT, PIPING OR VENTS LARGER THAN 3" O.D. SHALL RUN IN STRUCTURAL CONCRETE MEMBERS UNLESS SHOWN ON STRUCTURAL DRAWINGS. CONDUIT, PIPING AND VENTS TO BE POSITIONED SO AS TO NOT REDUCE SLAB THICKNESS OR BEAM DEPTH.
 - MINIMUM CONCRETE CLEAR COVER IN SLABS:
 - 3/4" ADJACENT TO INTERIOR SLAB SURFACES
 - 1 1/2" ABOVE SUB-GRADE
 - IN STIFFENING BEAMS, WALLS AND FOOTINGS:
 - 1 1/2" ADJACENT TO EXTERIOR OR INTERIOR SURFACES
 - 3" FROM SURFACES IN CONTACT WITH EARTH
 - AT PIPE PENETRATION:
 - 2" FOR REBAR
- REINFORCEMENT:**
- REINFORCING STEEL TO BE GRADE 60 FOR #4 AND LARGER AND GRADE 40 FOR #3.
 - THE FIRST REBAR IN THE FOUNDATION SLAB SHALL BE A MAXIMUM OF 12" AND A MINIMUM OF 6" FROM THE OUTSIDE FORM.
 - AT DISCONTINUOUS STEEL ENDS ADD CORNER BARS EQUAL TO CONT. HORIZ. STEEL SIZE WITH 30 BAR DIAMETER LEGS.
- MISCELLANEOUS:**
- SEE SOILS REPORT AS REQUIRED FOR UNDERSLAB FILL REQUIREMENTS AND EXISTING SOILS REMEDIATION PRIOR TO SETTING FORMS.

GENERAL NOTES



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FOUNDATION DETAILS

SCALE: N.T.S.

ON PAGE SIZE:

ARCH 'D'
24" X 36"

S2.0