



FOUNDATION ENGINEER
(833) SLAB-NOW

3 DAY DESIGN CO.



REBAR SAMPLE PLAN

JOB #

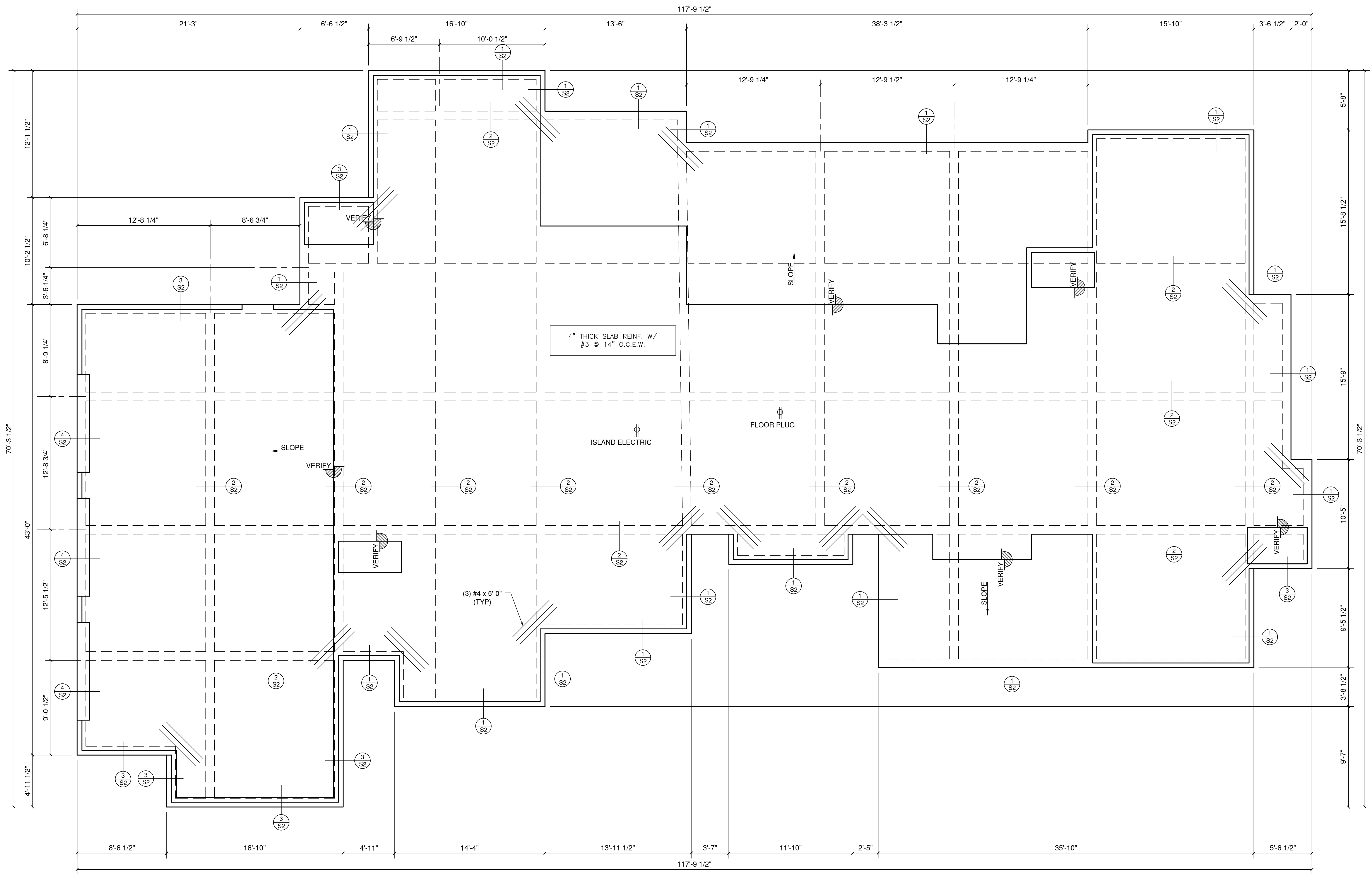
REV	

UTILIZING THIS DESIGN FOR ANY PROJECT OTHER THAN THE ONE LISTED ON THIS SHEET IS ILLEGAL AND STRICTLY PROHIBITED.

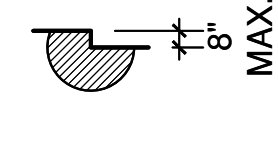
FOUNDATION PLAN

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

S1

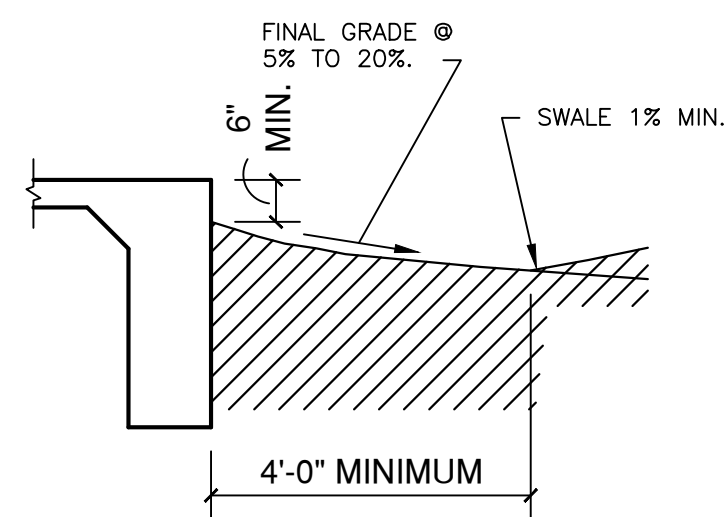


DESIGN SPECIFIC LEGAL INFORMATION
 THIS ENGINEERING DESIGN PLAN SHALL BE USED ONLY FOR THE SPECIFIC PROJECT AS LISTED ON THE TITLEBLOCK. THIS DESIGN CANNOT BE REUSED FOR IDENTICAL OR SIMILAR BUILDINGS ON THE SAME PROJECT SITE OR ANY OTHER PROJECT SITE WITHOUT THE EXPRESSED WRITTEN CONSENT OF SYNERGETIC ENGINEERING / 3 DAY DESIGN. UTILIZING THIS DESIGN PLAN FOR ADDITIONAL BUILDINGS/PROJECTS IS STRICTLY ILLEGAL.

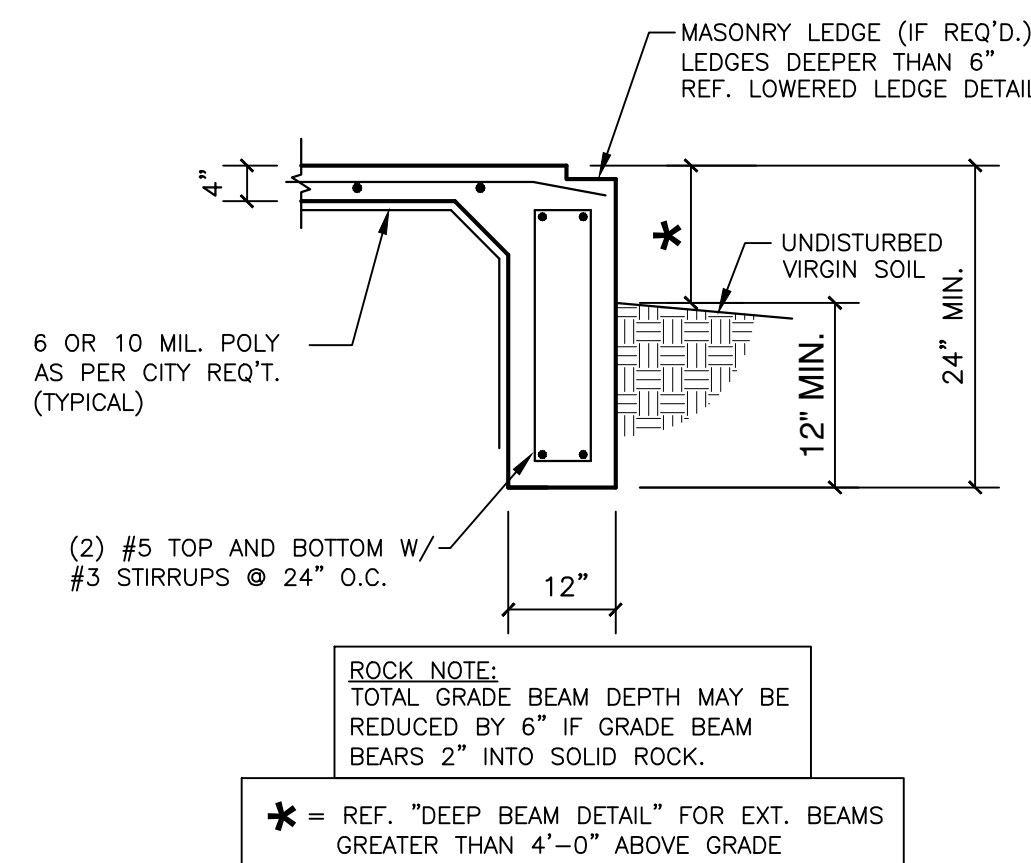
MAXIMUM DROP IN SLAB NOTE:
 MAX. 8"
 = REF. 8" MAX. TYP. DROP IN SLAB DETAIL, CONTACT ENGINEER FOR RE-DESIGN IF SLAB DROP IS MORE THAN 8"

BUILDER/CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY ALL SLAB DROP LOCATIONS, DIMENSIONS, DEPTH, OFFSETS AND FEATURES. BUILDER/CONTRACTOR IS RESPONSIBLE FOR AND SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS PRIOR TO SETTING FORMS. DO NOT SCALE PLAN. REPORT ANY DISCREPANCIES TO THE ENGINEER.

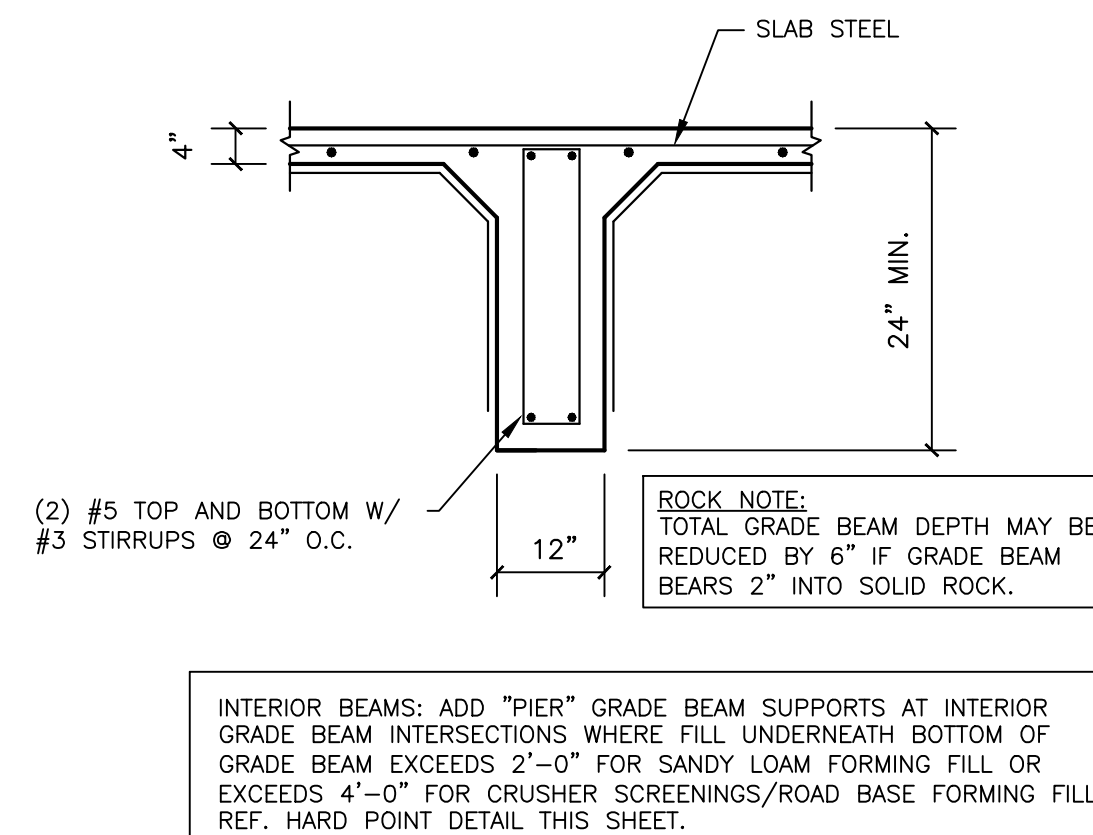
SHRINKAGE CRACKS / CONTRACTION JOINT NOTE:
 THE CONCRETE CURING PROCESS MAY INDUCE NON-STRUCTURAL SHRINKAGE CRACKS IN THE FOUNDATION. SAW-CUT OR HAND-TOOLED CONTRACTION JOINTS MAY BE INSTALLED IN AN EFFORT TO MITIGATE THE SIZE, LENGTH, AND NUMBER OF THESE NON-STRUCTURAL SHRINKAGE CRACKS. SYNERGETIC ENGINEERING / 3 DAY DESIGN IS NOT RESPONSIBLE FOR THESE THESE CRACKS AS THEY ARE PURELY COSMETIC IN NATURE AND DO NOT REPRESENT STRUCTURAL DESIGN DEFECTS. CONTRACTOR TO VERIFY CONTRACTION JOINT REQUIREMENTS WITH OWNER PRIOR TO POURING CONCRETE.



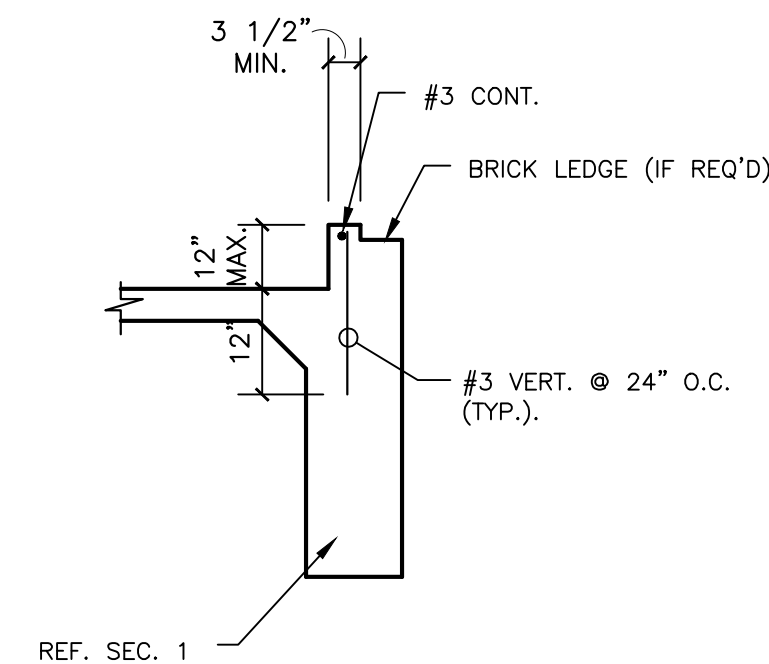
TYPICAL FINAL GRADE DETAIL



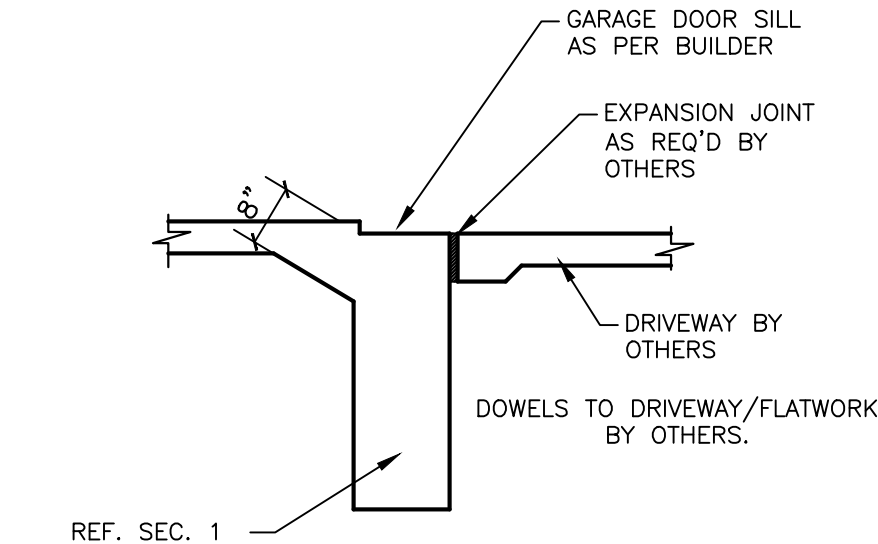
SECTION 1



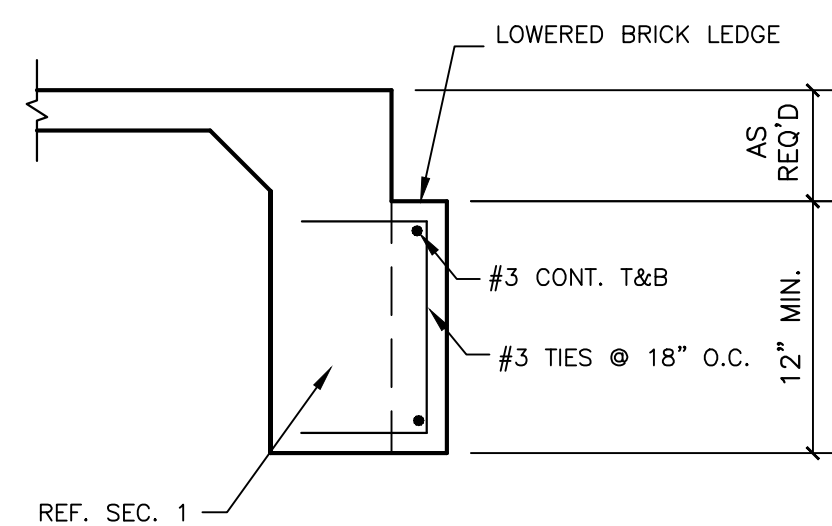
SECTION 2



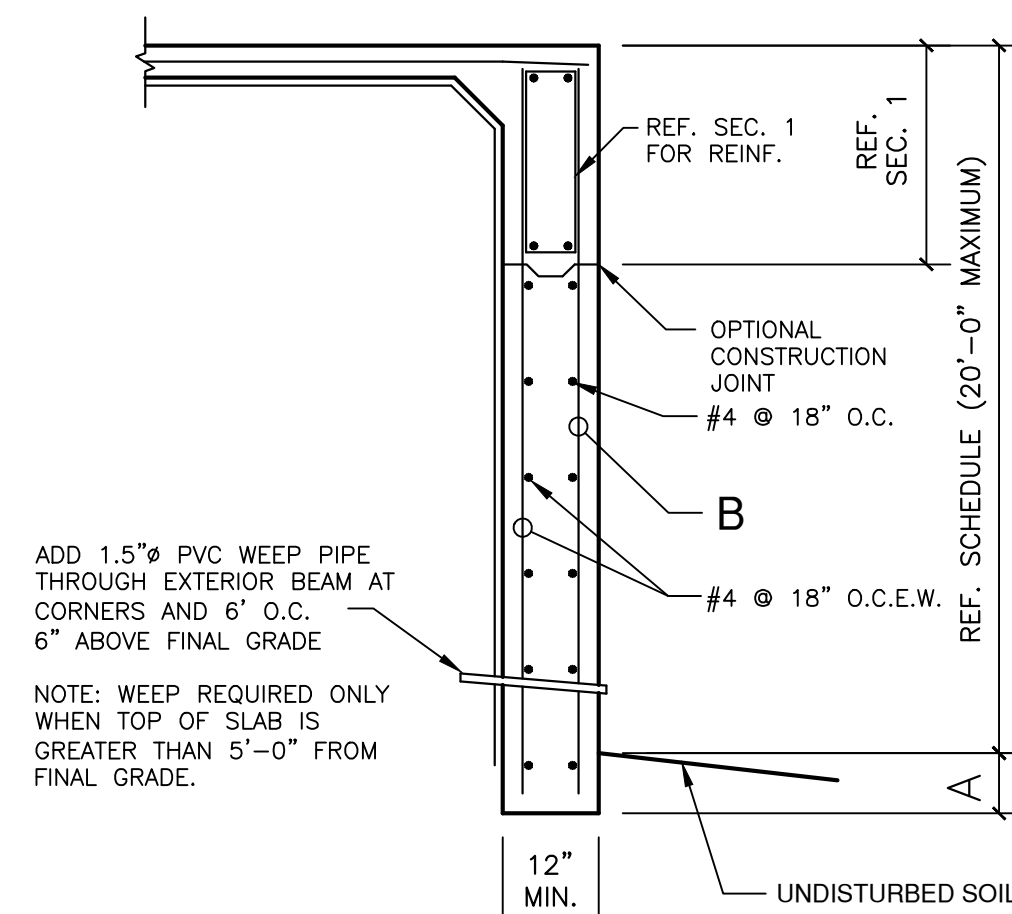
SECTION 3



SECTION 4

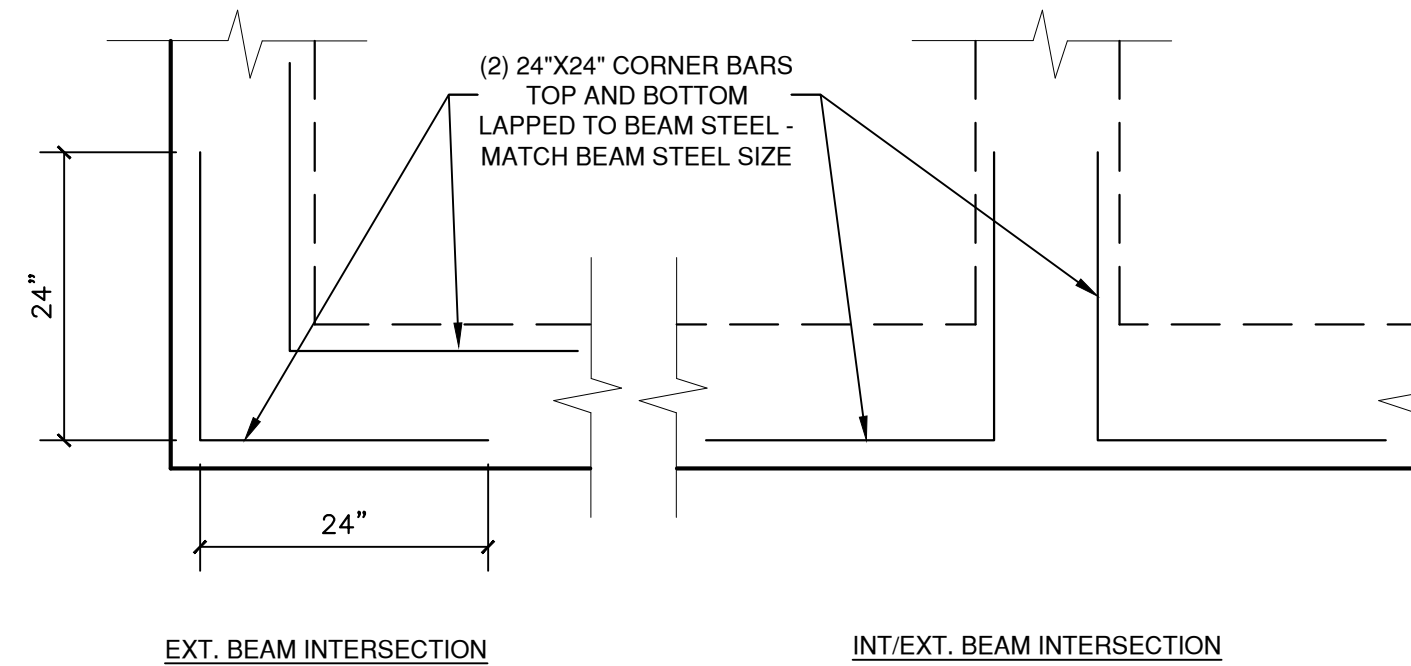


TYP. LOWERED BRICK LEDGE

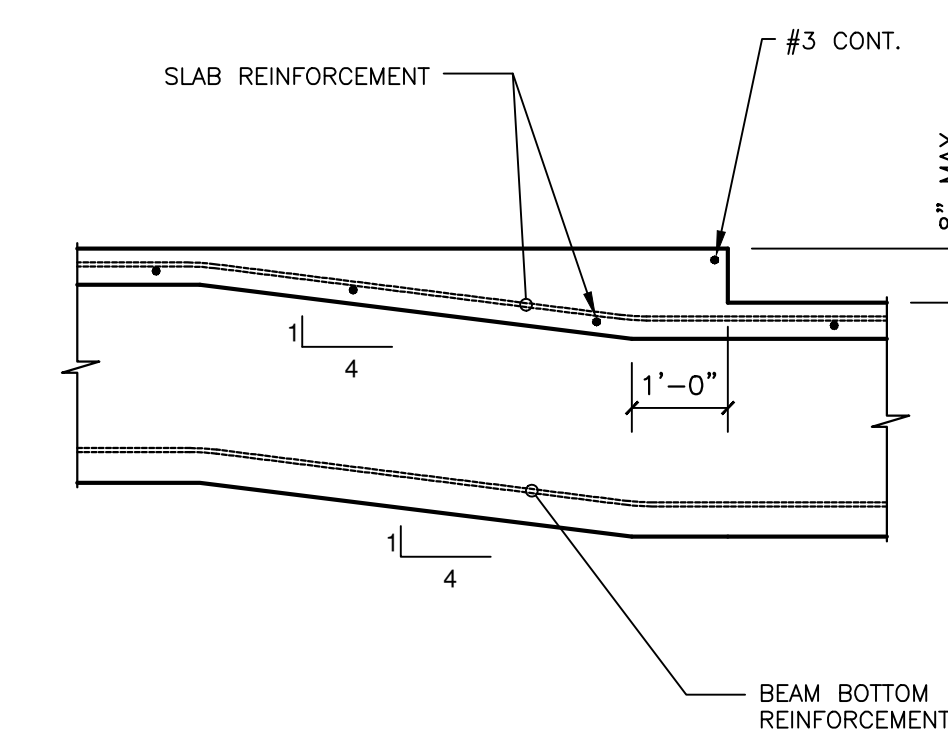


EXTERIOR BEAM GREATER THAN 4'-0\"/>

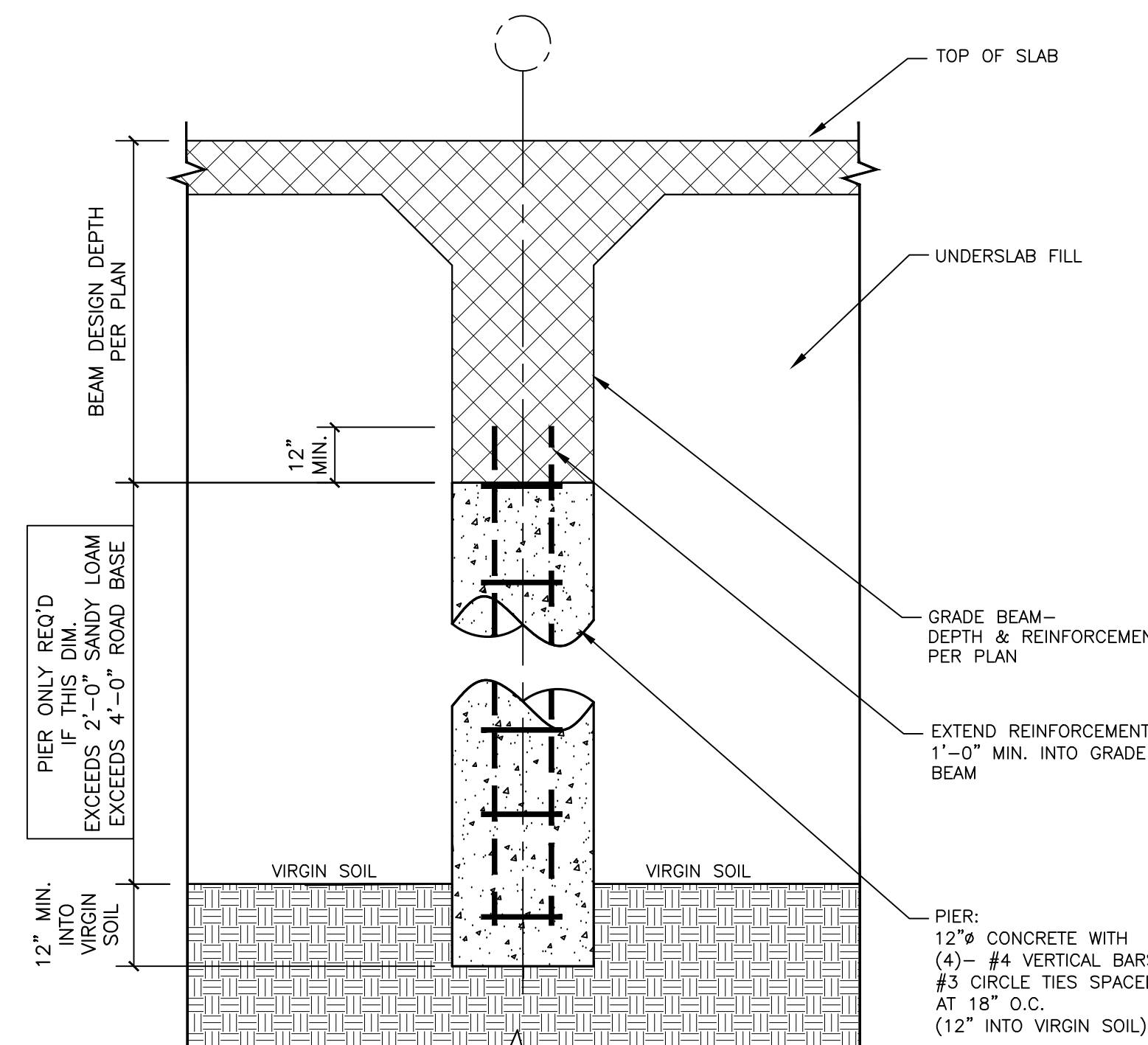
WALL HEIGHT	A	B
4'-1\"/>		



CORNER BAR DETAILS



TYPICAL DROP IN SLAB 8\"/>



HARDPOINT/PIER DETAIL

GENERAL:
 1. 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 THE LATEST EDITION OF THE INTERNATIONAL RESIDENTIAL CODE AND STANDARDS OF GOOD ENGINEERING PRACTICE.
 2. DO NOT SCALE PLAN. CONTACT ENGINEER FOR CLARIFICATIONS.
 3. SHOULD CONDITIONS ARISE THAT ARE NOT COVERED BY DETAILS ON THIS PLAN, CONTACT ENGINEER AT ONCE FOR ADDITIONAL INSTRUCTIONS.
 4. VERIFY EXPOSED CONCRETE FINISHES THAT MAY BE REQUIRED AS PER ARCHITECTURALS. ENGINEER CANNOT BE HELD LIABLE FOR ANY OVERSIGHT IN THIS REGARD.
 5. SPOT FOOTINGS THAT ARE BUILT ON EXPANSIVE CLAYS HAVE POTENTIAL FOR DIFFERENTIAL MOVEMENT.
 6. ENGINEER IS NOT RESPONSIBLE FOR ANY PLUMBING SYSTEMS. POSSIBLE SETTLEMENT OF NOMINALLY COMPACTED FORMING FILL CAN NATURALLY OCCUR.

FORMING FILL
 1. UNDERSLAB FORMING FILL MATERIAL SHALL HAVE A P.I. LESS THAN 20 AND BE FREE OF ORGANICS.
 2. FORMING FILL TO BE NOMINALLY COMPACTED.

CONCRETE:
 1. CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
 2. CONCRETE SHALL BE WELL CONSOLIDATED USING PROPER MECHANICAL VIBRATION.
 3. NO CONDUIT, PLUMBING, OR VENTS LARGER THAN 3\"/>

SLABS:
 3/4\"/>

REINFORCEMENT:
 1. REINFORCING STEEL TO BE GRADE 60 FOR #4 AND LARGER AND GRADE 40 FOR #3.
 2. AT DISCONTINUOUS STEEL ENDS, ADD CORNER BARS EQUAL TO CONT. HORIZ. STEEL SIZE WITH 30 BAR DIAMETER LEGS (24\"/>

GENERAL NOTES

SYNERGETIC ENGINEERING
FOUNDATION ENGINEER
(833)SLAB-NOW
3 DAY DESIGN INC.

REBAR SAMPLE PLAN

JOB #

REV	DESCRIPTION

UTILIZING THIS DESIGN FOR ANY PROJECT OTHER THAN THE ONE LISTED ON THIS SHEET IS ILLEGAL AND STRICTLY PROHIBITED.

FOUNDATION DETAILS & NOTES

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

S2



Date: February 01, 2024

Project: New Construction
"Address"
"City/State"

Subject: ENGINEER'S FOUNDATION PREPOUR COMPLIANCE LETTER- *APPROVED*

Remarks: This letter represents the findings of the Licensed Professional Engineer and is furnished as an aid in determining the physical condition, general compliance of the above referenced premises, and reported aspects thereof as deemed reasonably obtained from an evaluation and assessment of the information available pertaining to the subject in question. These items considered in this analysis include, but are not limited to:

- Slab/grade beam/footing layouts & reinforcement & poly vapor barrier
- Hardpoint/pier locations & depths verified by contractor
- Contractor shall verify all dimensions, required grade beam penetrations into virgin soil, slab pad material, and additional associated specifications of the structural plans.
- Contractor responsible for maintain a 4 inch minimum thick slab and adhering to Geotechnical Report recommendations if a report has been generated for the project.
- Rebar Dowels (if applicable) contractor shall verify epoxy connection has been installed in compliance with all procedures noted on the Foundation Details Sheet.
- Contractor responsible for installing adequate water proofing system behind slab drops and retaining walls as shown on foundation detail sheet.

The foundation design meets or exceeds all applicable IRC/IBC requirements as well as accepted local & construction practices in the state of Texas. Failure to install the concrete foundation items associated with this letter within 2 weeks of the date of this letter and/or after a significant rain event shall render this certification void and require a new inspection/certification. Our scope of work is strictly limited to the items listed in the project plans generated by Synergetic Engineering as well as any engineer approved revisions as required per onsite conditions or client/contractor requests. Any additional items installed not included in the foundation plans issued by Synergetic Engineering are outside the scope of our responsibility and not certified by this letter. The proposed foundation for the address listed above has been prepared in accordance with the governing structural engineering plans as limited above.

Sincerely,

Pat Sablatura, P.E
Professional Structural Engineer
Registration # 90279



02-01-24



(833) SLAB-NOW

FAST • ACCURATE • AFFORDABLE

