



XX-XX-XX

NEW CONSTRUCTION
SAMPLE PLAN

JOB # SAMPLE PLAN

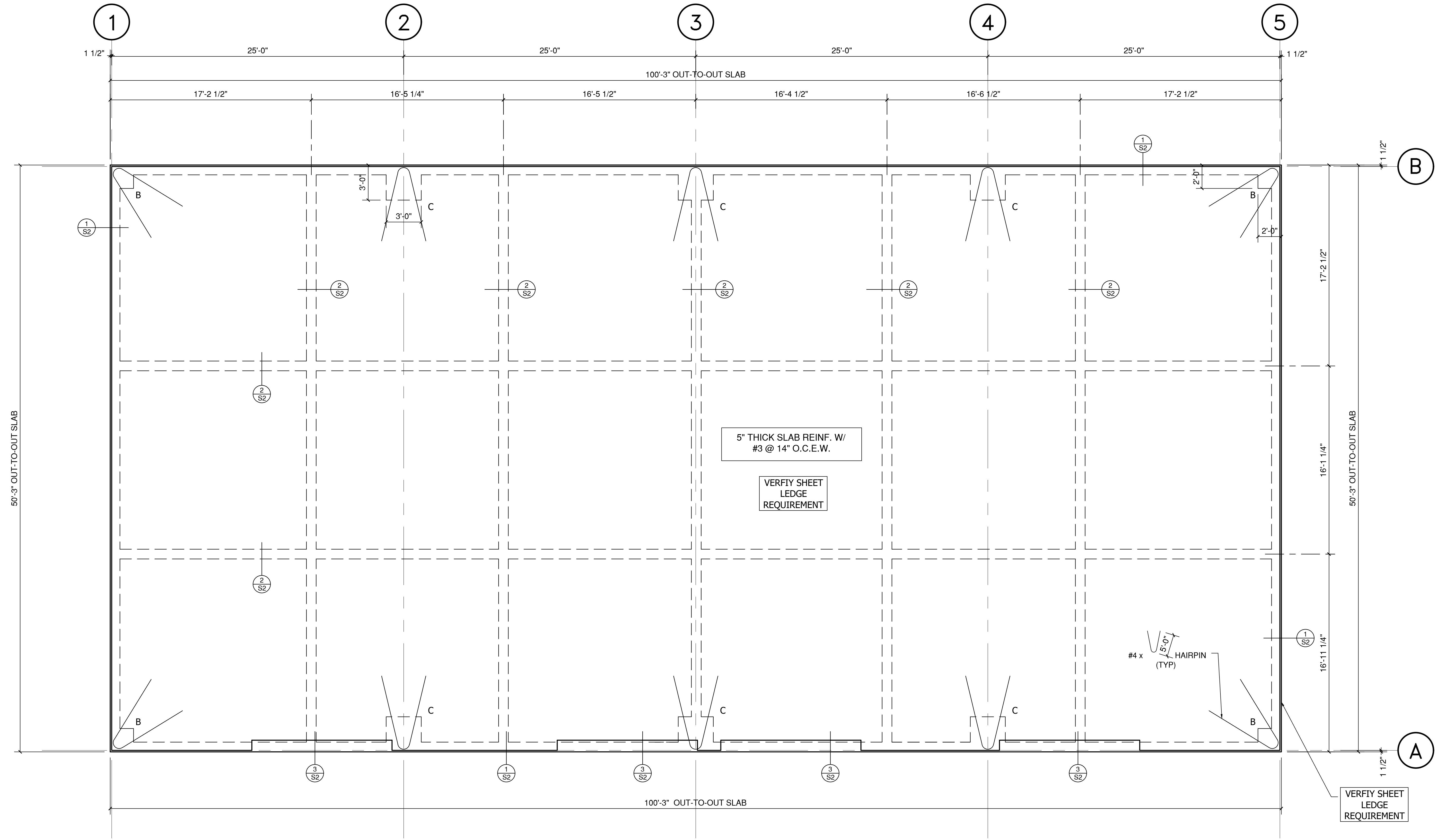
REV XX-XX-XX

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"

S1.0



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

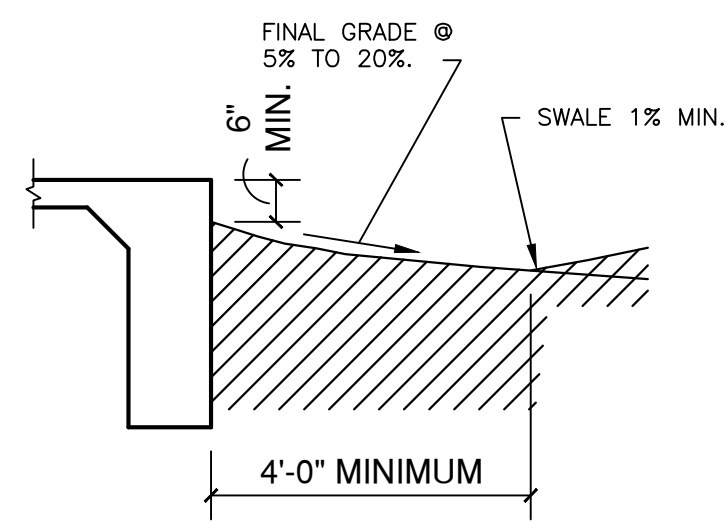
SHRINKAGE CRACKS / CONTRACTION JOINT NOTE:
THE CONCRETE CURING PROCESS MAY INDUCE NON-STRUCTURAL SHRINKAGE CRACKS IN THE FOUNDATION. SAW-CUT OR HAND-TOOLED CONTRACTION JOINTS MAY BE INSTALLED IN AN EFFORT TO MITIGATE THE SIZE, LENGTH, AND NUMBER OF THESE NON-STRUCTURAL SHRINKAGE CRACKS. SYNERGETIC ENGINEERING / 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.

BUILDER TO VERIFY ALL SLAB DROPS, SLOPE TO FLOOR DRAINS, ELECTRICAL CONDUITS, ETC. PRIOR TO SETTING FORMS.

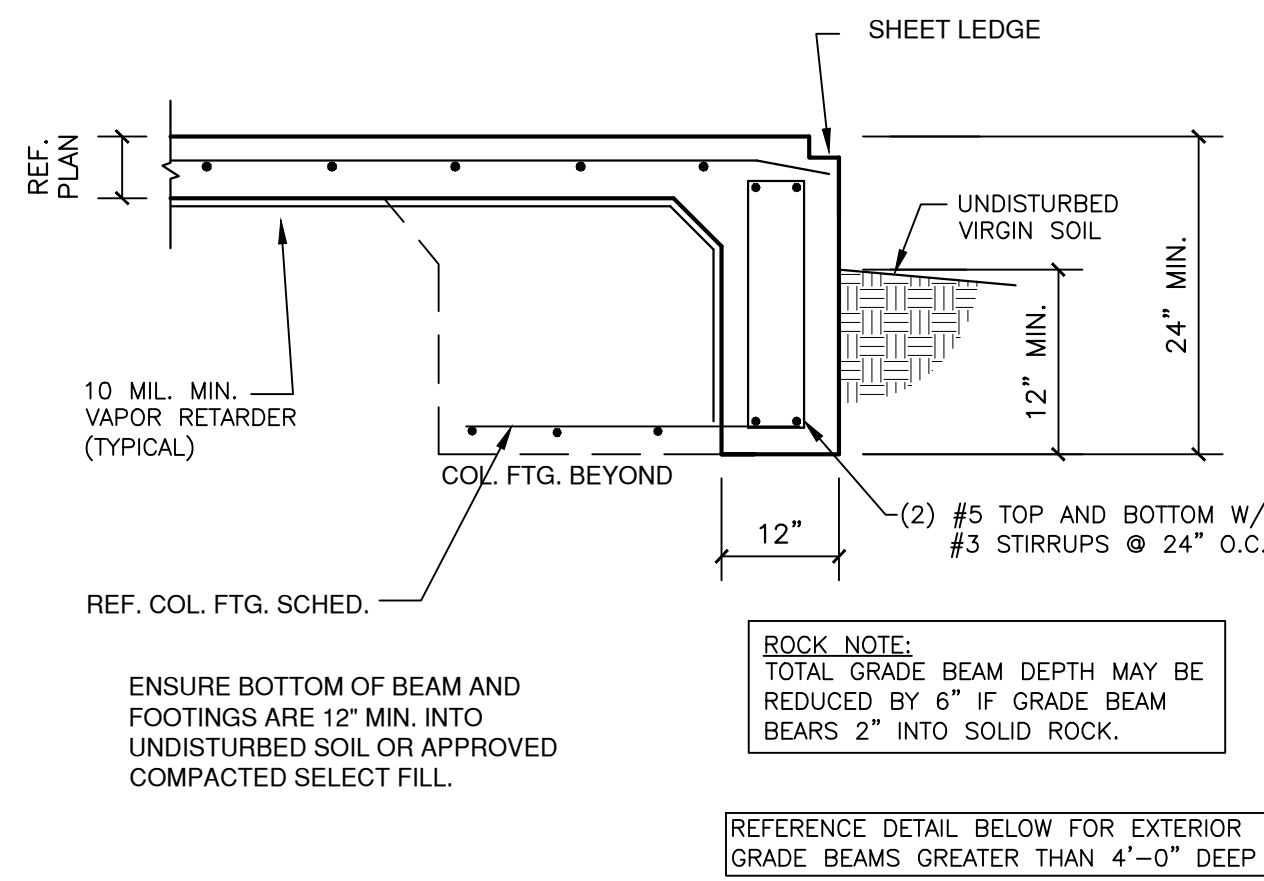
COLUMN FOOTING SCHEDULE

MARK	SIZE	REINFORCING
A	18" X 18"	(2) #5 EACH WAY BOTTOM
B	24" X 24"	(3) #5 EACH WAY BOTTOM
C	36" X 36"	(4) #5 EACH WAY BOTTOM

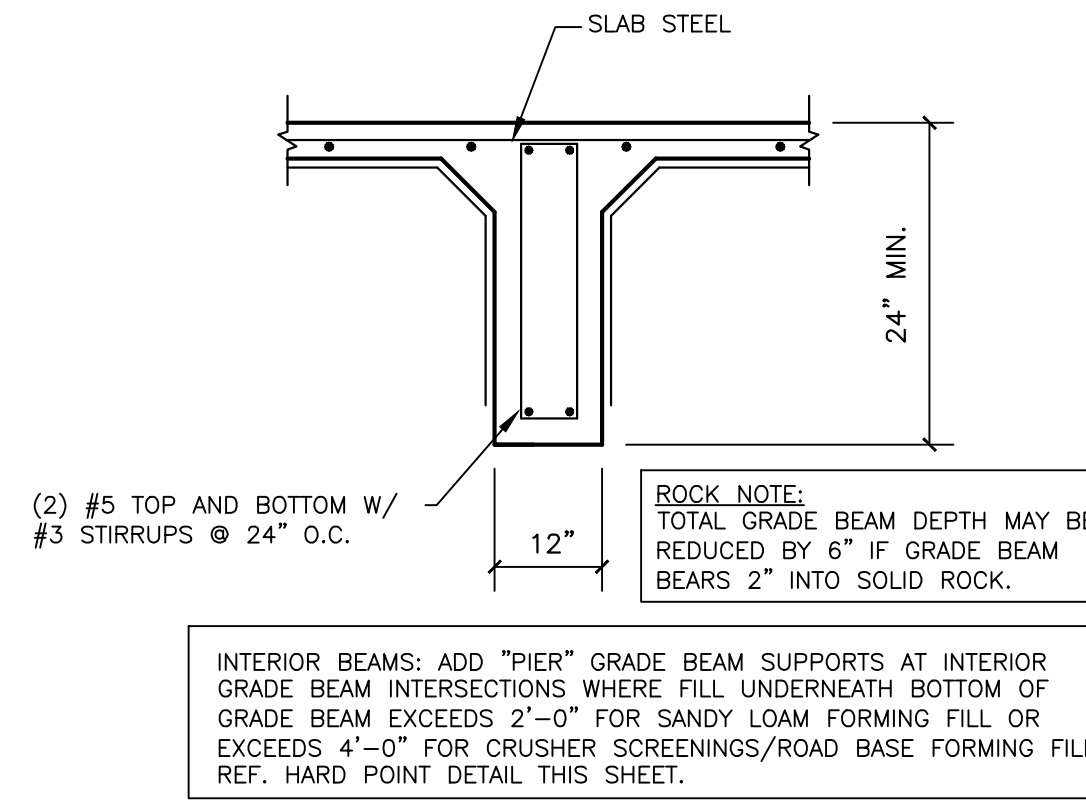
BOTTOM OF ALL FOOTINGS TO BE 12 INCHES MIN. INTO UNDISTURBED VIRGIN SOIL OR APPROVED COMPACTED MATERIAL



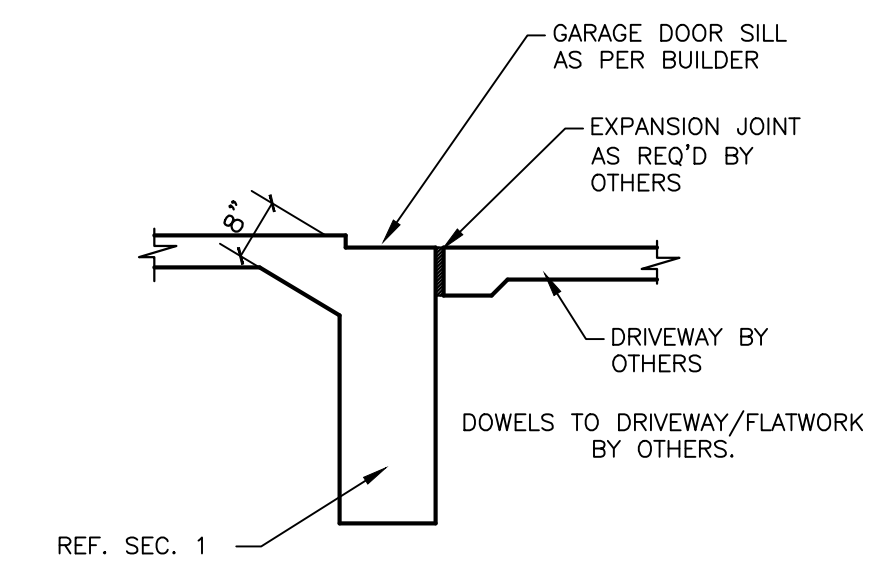
TYPICAL FINAL GRADE DETAIL



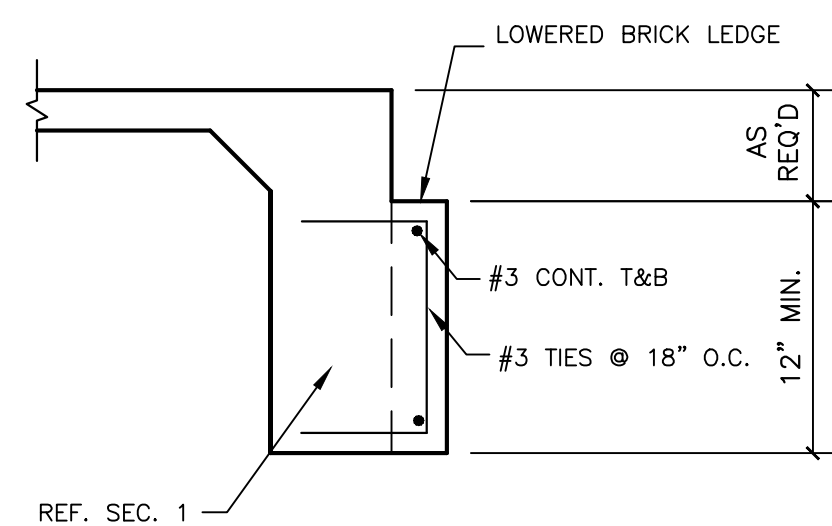
SECTION 1



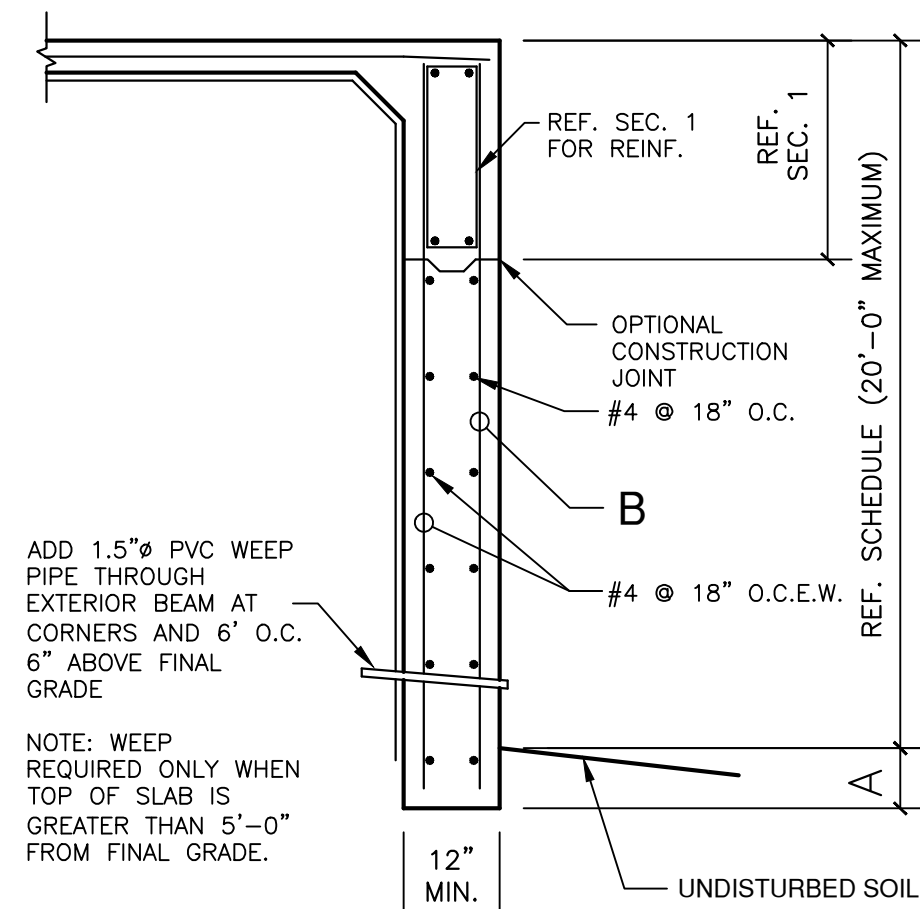
SECTION 2



SECTION 3

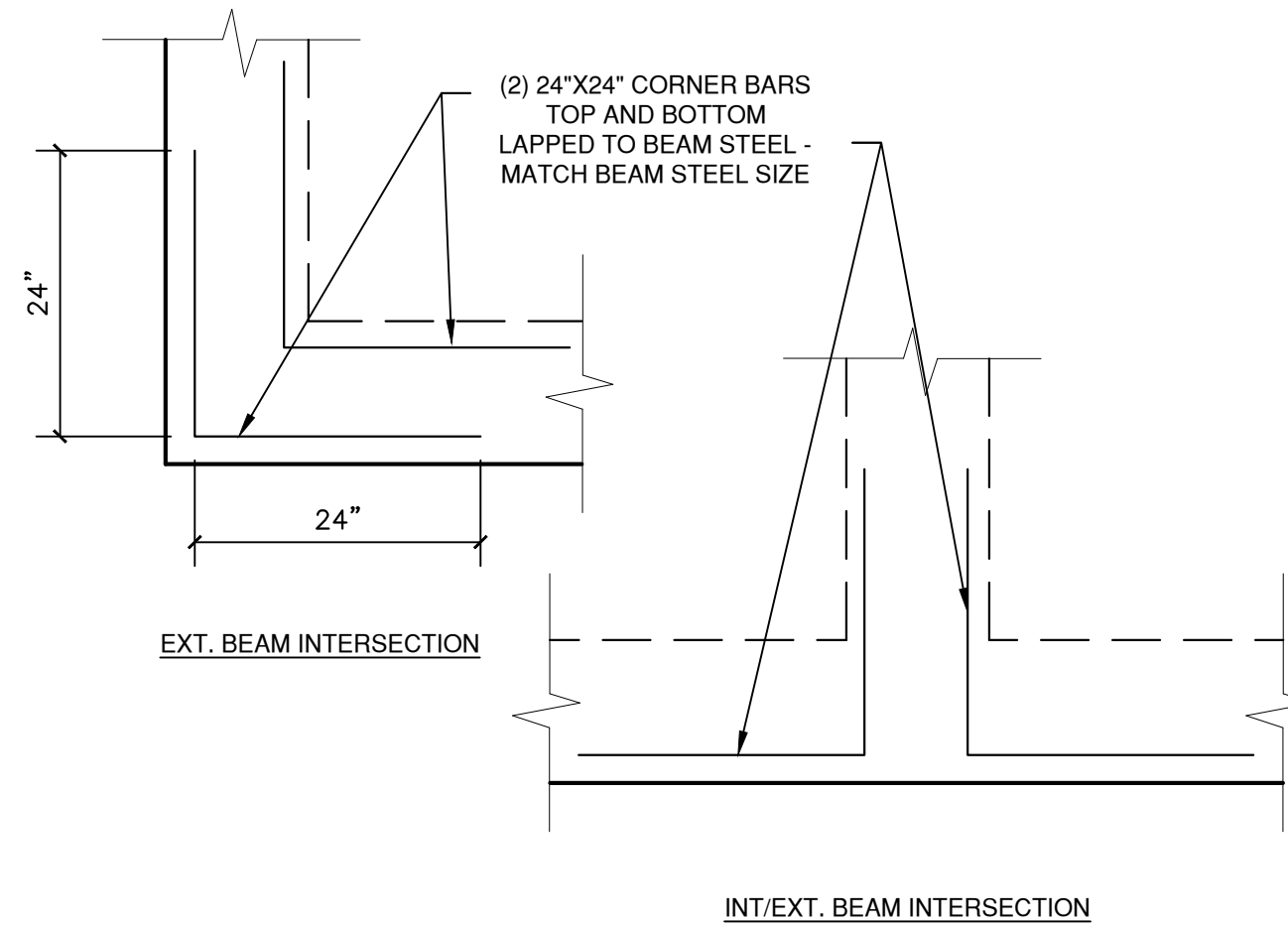


TYP. LOWERED BRICK LEDGE

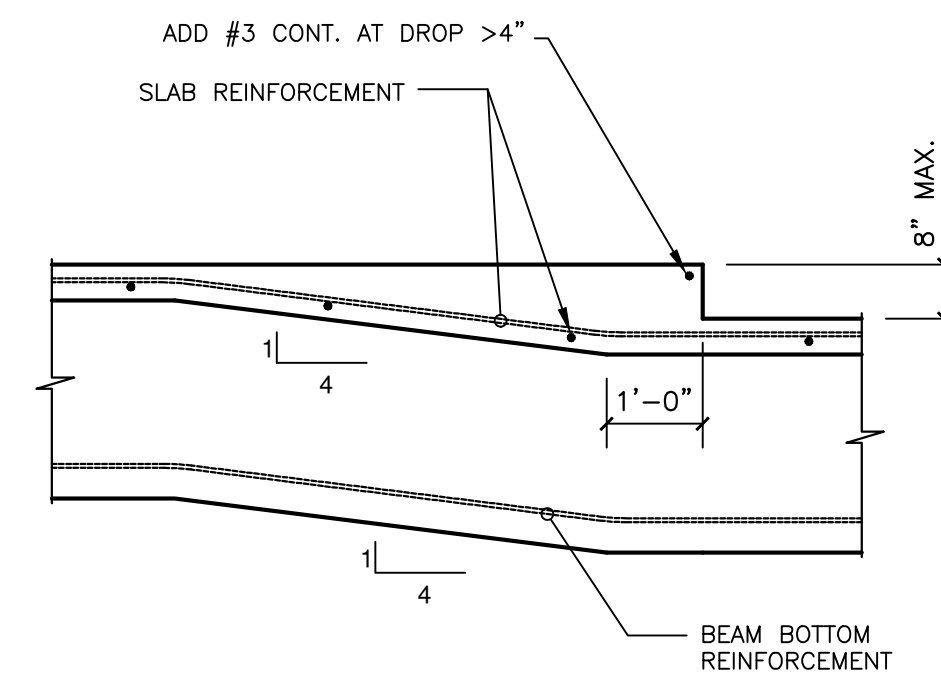


EXTERIOR BEAM GREATER THAN 4'-0\"/>

WALL HEIGHT	A	B
4'-1\"/>		
6'-0\"/>		
6'-1\"/>		
12'-0\"/>		
12'-1\"/>		
16'-0\"/>		
16'-1\"/>		
20'-0\"/>		



CORNER BAR DETAILS



TYPICAL DROP IN SLAB 8\"/>

GENERAL:

- 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 BUILDING CODE AND STANDARDS OF GOOD ENGINEERING PRACTICE.
- DO NOT SCALE PLAN. CONTACT ENGINEER FOR CLARIFICATIONS.
- SHOULD CONDITIONS ARISE THAT ARE NOT COVERED BY DETAILS ON THIS PLAN, CONTACT ENGINEER AT ONCE FOR ADDITIONAL INSTRUCTIONS.
- VERIFY EXPOSED CONCRETE FINISHES THAT MAY BE REQUIRED AS PER ARCHITECTURALS. ENGINEER CANNOT BE HELD LIABLE FOR ANY OVERSIGHT IN THIS REGARD.
- SPOT FOOTINGS THAT ARE BUILT ON EXPANSIVE CLAYS HAVE POTENTIAL FOR DIFFERENTIAL MOVEMENT.
- ENGINEER IS NOT RESPONSIBLE FOR ANY PLUMBING SYSTEMS. POSSIBLE SETTLEMENT OF NOMINALLY COMPACTED FORMING FILL CAN NATURALLY OCCUR.
- THIS FOUNDATION SYSTEM HAS BEEN DESIGNED TO PERFORM UNDER NATURAL SITE SOIL CONDITIONS AND SHALL NOT BE EXPECTED TO RESIST SOIL AND FOUNDATION MOVEMENTS RESULTING FROM, BUT NOT LIMITED TO, THE FOLLOWING EXTERNAL ITEMS- SEWER/PLUMBING LEAKS, EXCESSIVE AND/OR UNBALANCED IRRIGATION SYSTEMS, IMPROPER SITE DRAINAGE CONDITIONS INCLUDING WATER PONDING NEAR THE SLAB, AND TREES/SHRUBS IN CLOSE PROXIMITY TO THE SLAB FOOTPRINT. LONG TERM PERFORMANCE OF A FOUNDATION DEPENDS NOT ONLY ON ITS PROPER DESIGN AND CONSTRUCTION, BUT ALSO ON THE IMPLEMENTATION OF A PROPER FOUNDATION MAINTENANCE PROGRAM. THEREFORE, IT IS VITALLY IMPORTANT THAT THE END USER OF THE STRUCTURE BE MADE AWARE OF ALL THE FACTS REGARDING THE IMPORTANCE OF PROPER AND ONGOING FOUNDATION MAINTENANCE. A GOOD SOURCE OF THIS INFORMATION CAN BE FOUND IN DOCUMENT #FFPA-SC-07-0 BY FOUNDATION PERFORMANCE ASSOCIATION POSTED ON THEIR WEB SITE www.foundationperformance.org. FAILURE TO PROVIDE PROPER REGULAR MAINTENANCE CAN SEVERELY HINDER THE PERFORMANCE OF THE FOUNDATION SYSTEM.

FORMING FILL

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

CONCRETE:

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

SLABS:

- 3/4\"/>

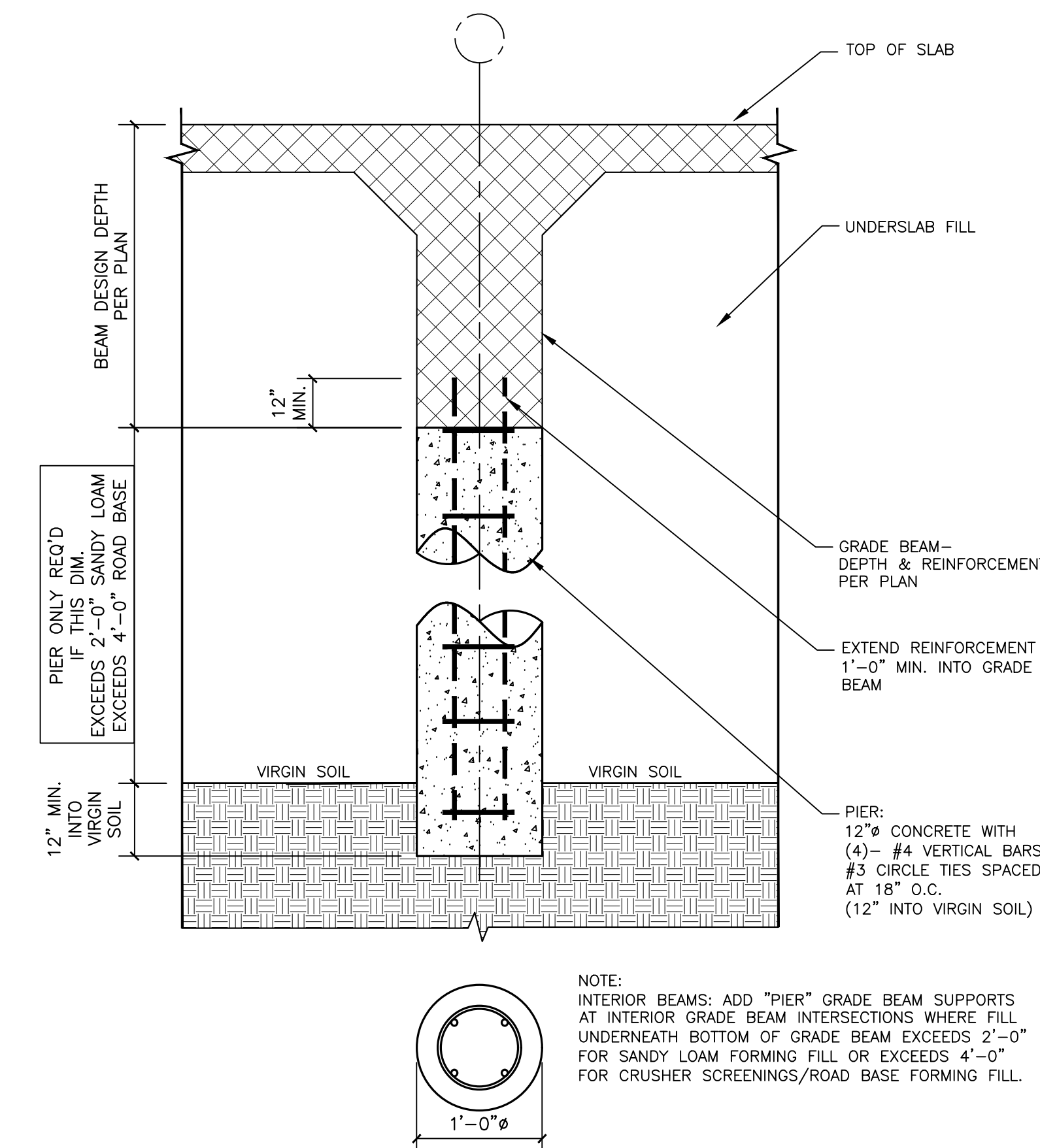
GRADE BEAMS, WALLS AND FOOTINGS:

- 1/2\"/>

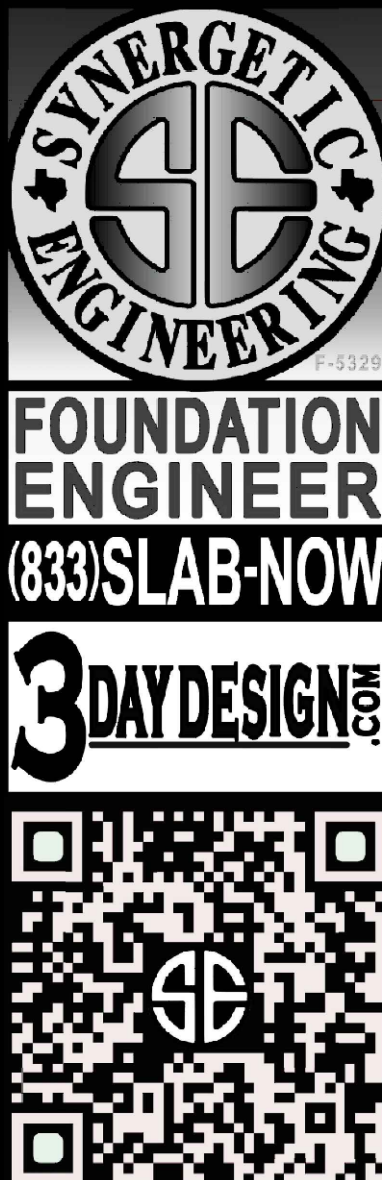
REINFORCEMENT:

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

GENERAL NOTES



HARDPOINT/PIER DETAIL



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SAMPLE PLAN

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FOUNDATION
DETAILS
&
NOTES

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S2

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