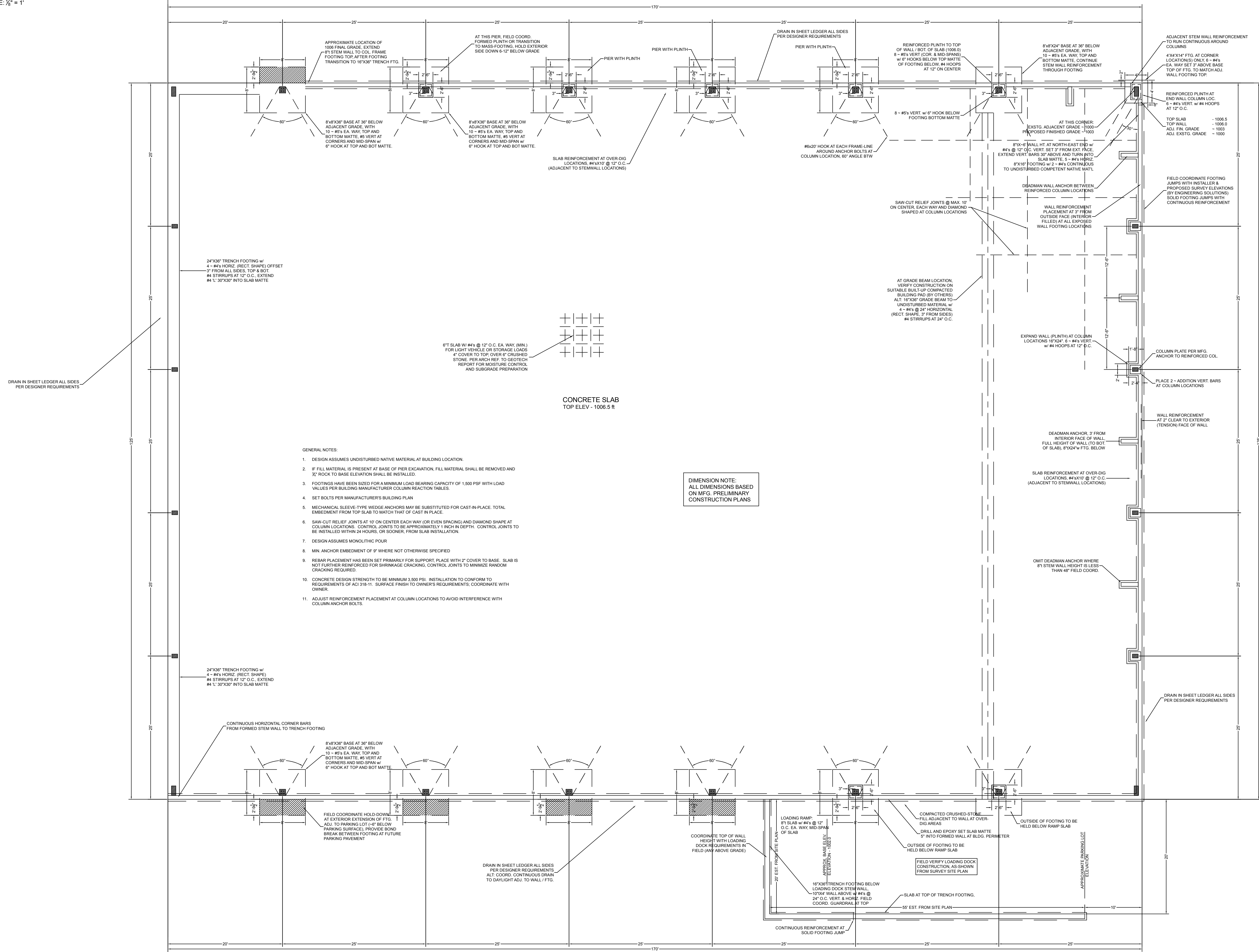


1 125'x170' MOMENT-FRAME BUILDING FOUNDATION  
 S1.0 SCALE: 1/8" = 1'



- GENERAL NOTES:
- DESIGN ASSUMES UNDISTURBED NATIVE MATERIAL AT BUILDING LOCATION.
  - IF FILL MATERIAL IS PRESENT AT BASE OF PIER EXCAVATION, FILL MATERIAL SHALL BE REMOVED AND 3/4" ROCK TO BASE ELEVATION SHALL BE INSTALLED.
  - FOOTINGS HAVE BEEN SIZED FOR A MINIMUM LOAD BEARING CAPACITY OF 1,500 PSF WITH LOAD VALUES PER BUILDING MANUFACTURER COLUMN REACTION TABLES.
  - SET BOLTS PER MANUFACTURER'S BUILDING PLAN.
  - MECHANICAL SLEEVE-TYPE WEDGE ANCHORS MAY BE SUBSTITUTED FOR CAST-IN-PLACE. TOTAL EMBEDMENT FROM TOP SLAB TO MATCH THAT OF CAST IN PLACE.
  - SAW-CUT RELIEF JOINTS AT 10' ON CENTER EACH WAY (OR EVEN SPACING) AND DIAMOND SHAPES AT COLUMN LOCATIONS. CONTROL JOINTS TO BE APPROXIMATELY 1 INCH IN DEPTH. CONTROL JOINTS TO BE INSTALLED WITHIN 24 HOURS, OR SOONER, FROM SLAB INSTALLATION.
  - DESIGN ASSUMES MONOLITHIC POUR.
  - MIN. ANCHOR EMBEDMENT OF 9" WHERE NOT OTHERWISE SPECIFIED.
  - REBAR PLACEMENT HAS BEEN SET PRIMARILY FOR SUPPORT. PLACE WITH 2" COVER TO BASE. SLAB IS NOT FURTHER REINFORCED FOR SHRINKAGE CRACKING. CONTROL JOINTS TO MINIMIZE RANDOM CRACKING REQUIRED.
  - CONCRETE DESIGN STRENGTH TO BE MINIMUM 3,500 PSI. INSTALLATION TO CONFORM TO REQUIREMENTS OF ACI 318-11. SURFACE FINISH TO OWNER'S REQUIREMENTS; COORDINATE WITH OWNER.
  - ADJUST REINFORCEMENT PLACEMENT AT COLUMN LOCATIONS TO AVOID INTERFERENCE WITH COLUMN ANCHOR BOLTS.

DIMENSION NOTE:  
 ALL DIMENSIONS BASED ON MFG. PRELIMINARY CONSTRUCTION PLANS

SCALES

PLAN SCALE	NOTED SCALE	BENCHMARK
BY	DESCRIPTION	DATE
ADD	FIRST PRINT	

NO.	DATE	DESCRIPTION	BY
1	12-16-24	FIRST PRINT	ADD

NEWBERRY LANDING  
 LOT 294 NEWBERRY LANDING  
 LEE'S SUMMIT, MO  
 MOMENT FRAME BLDG.  
 FOUNDATION PLAN

**ENGINEERING, P.C.**  
 CIVIL ENGINEERING CONSULTANTS  
 1805 WATERS ROAD, HARRISONVILLE, MISSOURI 64701  
 PH: (816) 380-5150 FAX: (816) 894-3220 EMAIL: MAIL@REDEENGINEERING.COM



AARON OBERMILLER, P.E.  
 MO:PE-2008019580  
 KS:25237  
 PROJECT NUMBER  
 24-097-04  
 DATE  
 12-16-24  
 SHEET  
 S1.0





**4 GENERAL NOTES**

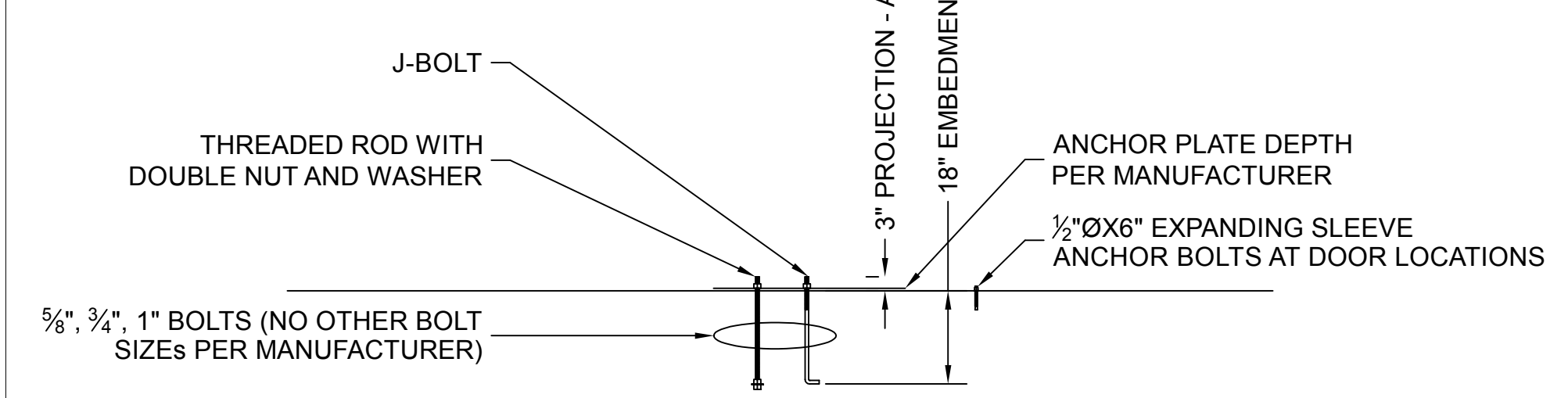
S1.0

- DESIGN ASSUMES UNDISTURBED NATIVE MATERIAL AT BUILDING LOCATION.
- IF FILL MATERIAL IS PRESENT AT BASE OF PIER EXCAVATION, FILL MATERIAL SHALL BE REMOVED AND 3/4" ROCK TO BASE ELEVATION SHALL BE INSTALLED. ALTERNATELY SUITABLE EARTHEN MATERIAL COMPACTED TO 95% OPTIMUM MAY BE PERMITTED.
- FOOTINGS HAVE BEEN SIZED FOR A MINIMUM LOAD BEARING CAPACITY OF 1,500 PSF WITH LOAD VALUES PER BUILDING MANUFACTURER COLUMN REACTION TABLES.
- SET BOLTS PER MANUFACTURER'S BUILDING PLAN
- MECHANICAL SLEEVE-TYPE WEDGE ANCHORS MAY BE SUBSTITUTED FOR CAST-IN-PLACE. TOTAL EMBEDMENT FROM TOP SLAB TO MATCH THAT OF CAST IN PLACE.
- SAW-CUT RELIEF JOINTS AT 10' ON CENTER EACH WAY (OR EVEN SPACING) AND DIAMOND SHAPE AT COLUMN LOCATIONS. CONTROL JOINTS TO BE APPROXIMATELY 1 INCH IN DEPTH. CONTROL JOINTS TO BE INSTALLED WITHIN 24 HOURS, OR SOONER, FROM SLAB INSTALLATION.
- DESIGN ASSUMES MONOLITHIC POUR
- MIN. ANCHOR EMBEDMENT OF 9" WHERE NOT OTHERWISE SPECIFIED. 6" EMBEDMENT AT NON-BEARING LOCATIONS (TYPICALLY DOOR / WINDOW FRAMES)
- REBAR PLACEMENT PRIMARILY FOR SUPPORT, PLACE WITH 2" COVER TO BASE. SLAB IS NOT FURTHER REINFORCED FOR SHRINKAGE CRACKING, CONTROL JOINTS TO MINIMIZE RANDOM CRACKING REQUIRED.
- CONCRETE DESIGN STRENGTH TO BE MINIMUM 3,500 PSI. INSTALLATION TO CONFORM TO REQUIREMENTS OF ACI 318-11. SURFACE FINISH TO OWNER'S REQUIREMENTS; COORDINATE WITH OWNER. COORDINATE FOR INCREASED CURE TIME FROM VAPOR BARRIER PLACEMENT.
- ADJUST REINFORCEMENT PLACEMENT AT COLUMN LOCATIONS TO AVOID INTERFERENCE WITH COLUMN ANCHOR BOLTS AS NECESSARY.

**5 ANCHOR BOLT EMBEDMENT DETAIL**

S1.0

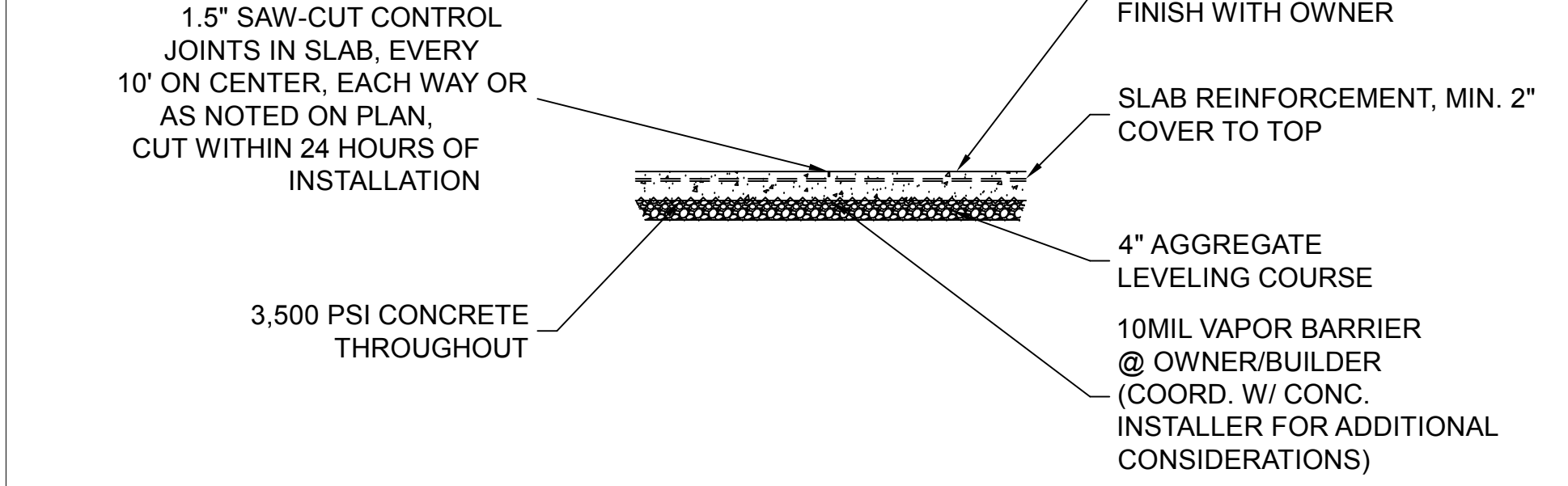
SCALE: 3/4" = 1'



**7 SAW CUT AT SLAB DETAIL**

S1.0

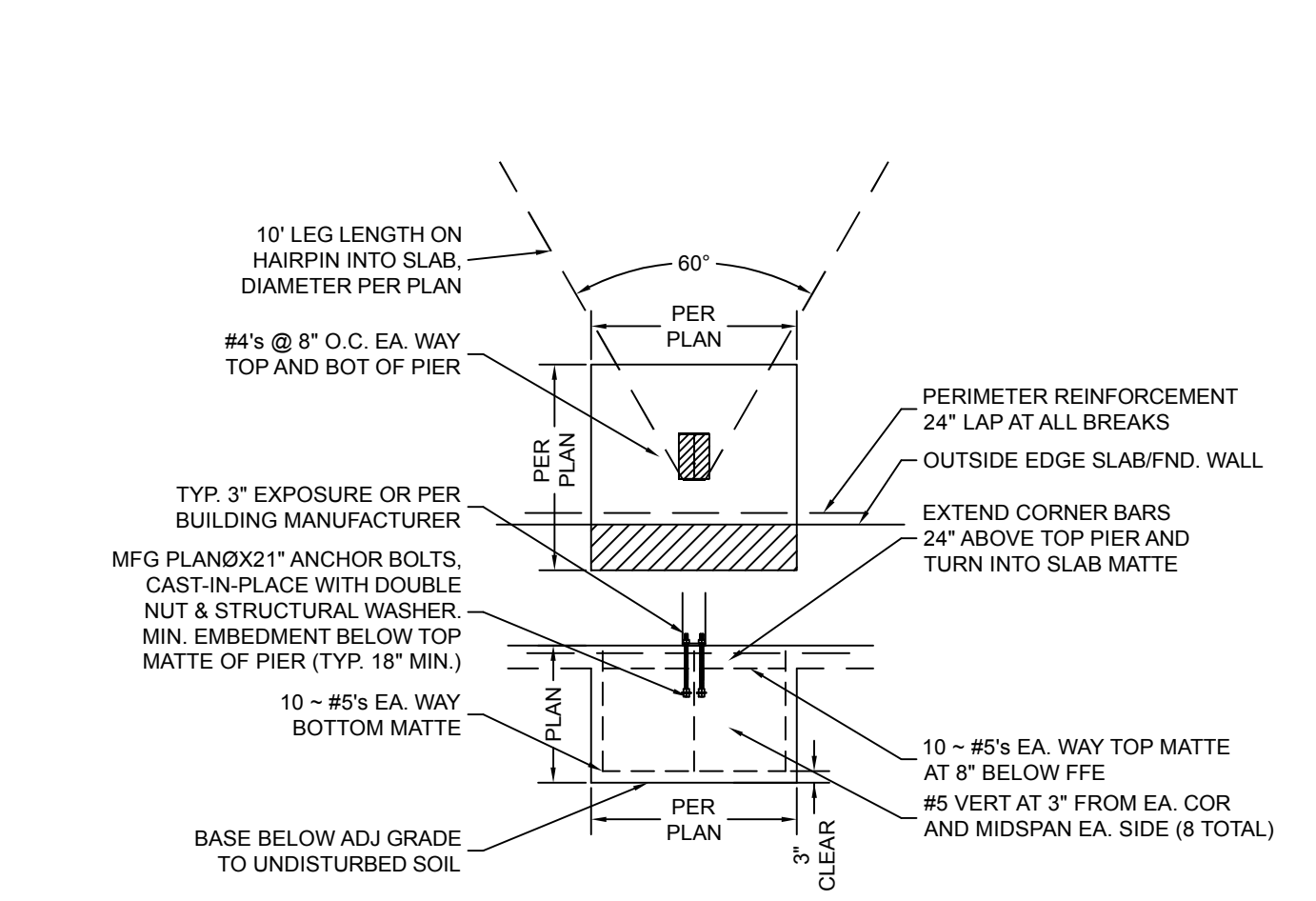
SCALE: 3/4" = 1'



**2 FRAME LINE PIERS**

1.0

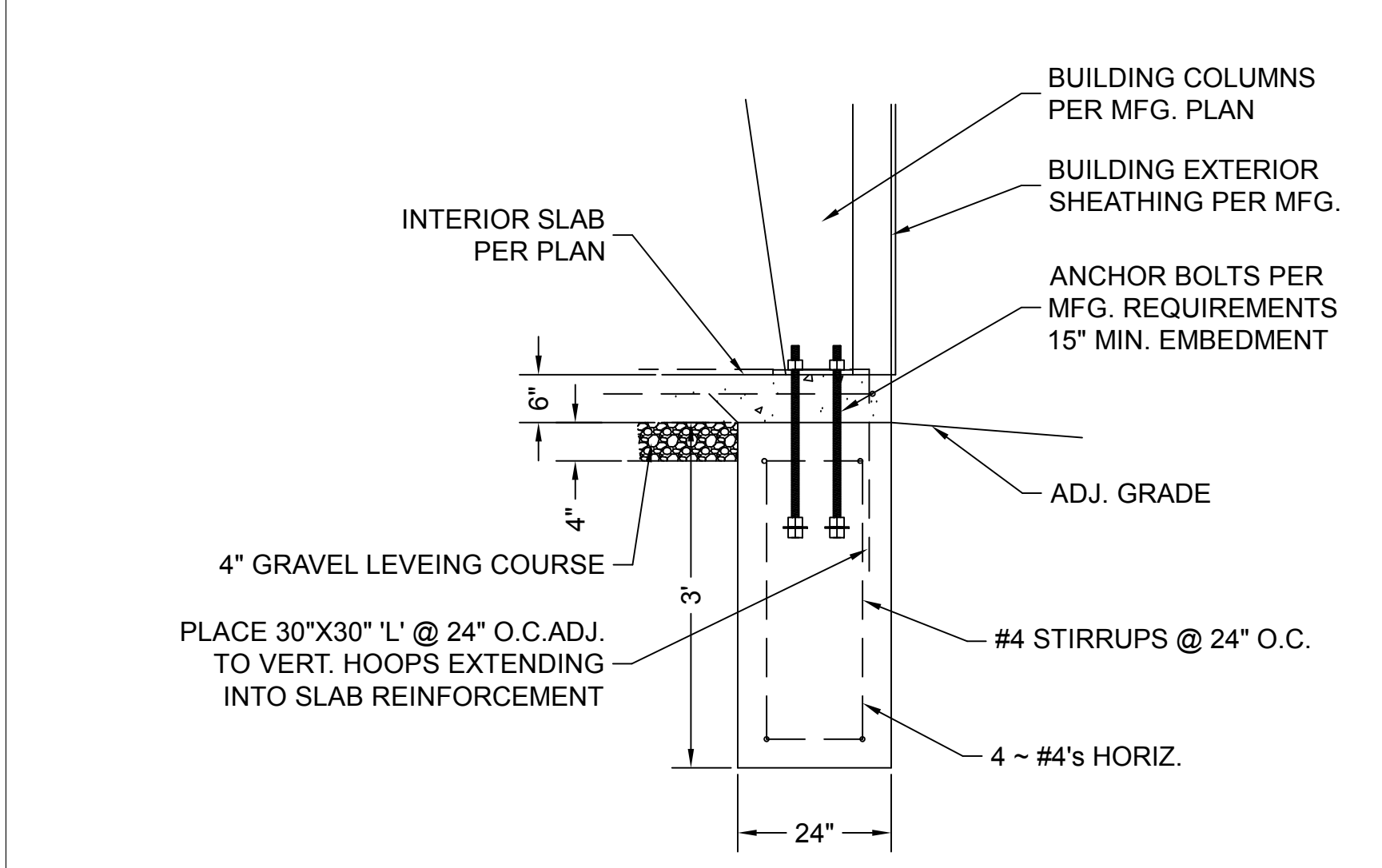
SCALE: 1/2" = 1'



**7 TYPICAL TRENCH FOOTING**

S1.0

SCALE: 3/4" = 1'



**SCALES**

PLAN SCALE	PROFILE HORIZ. SCALE	NOTED VERTICAL SCALE

**BENCHMARK**

NO.	DATE	DESCRIPTION	BY
1	12-16-24	FIRST PRINT	ADD

NEWBERRY LANDING  
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AARON OBERMILLER, P.E.  
 MO:PE-2008019580  
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 S1.2