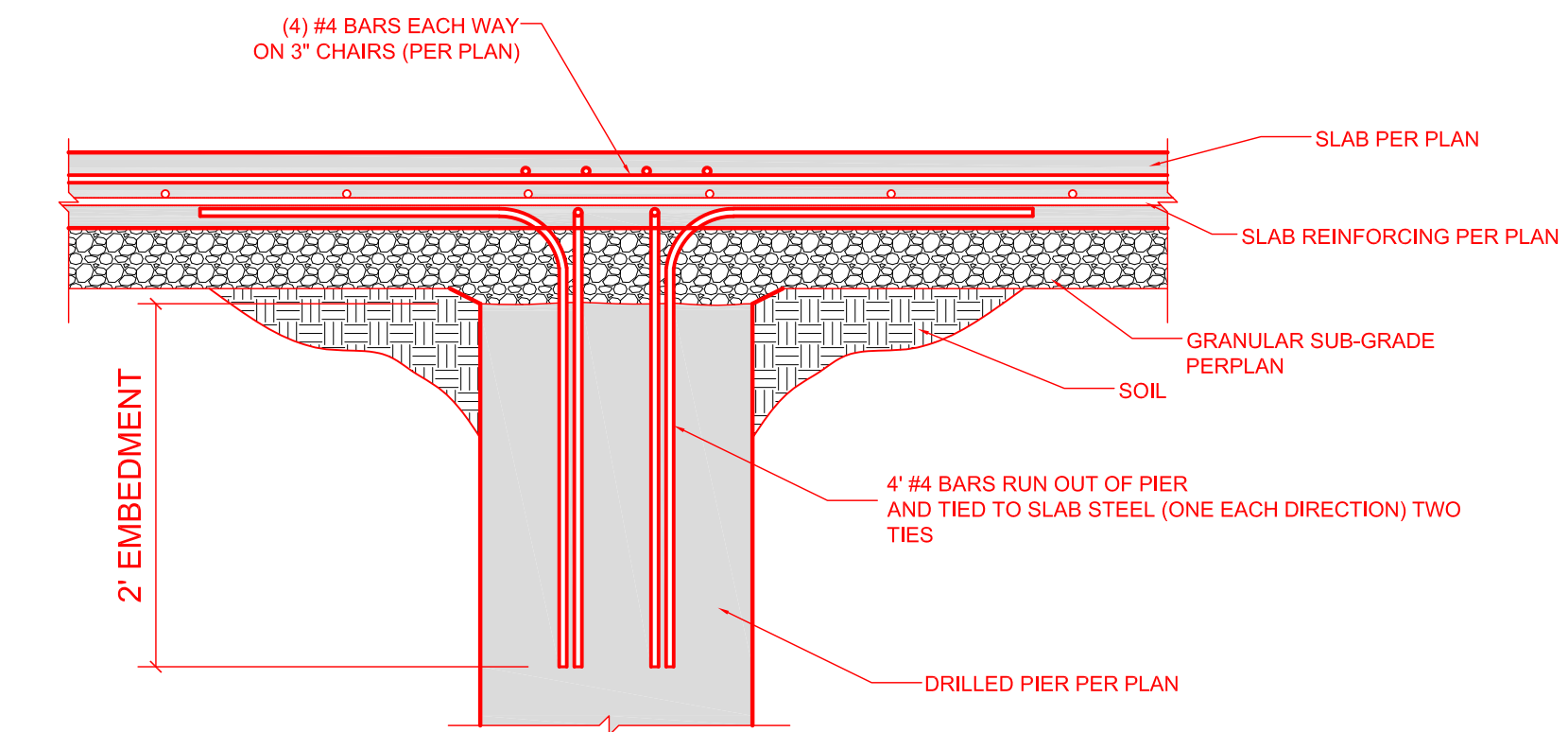


PIER PLAN

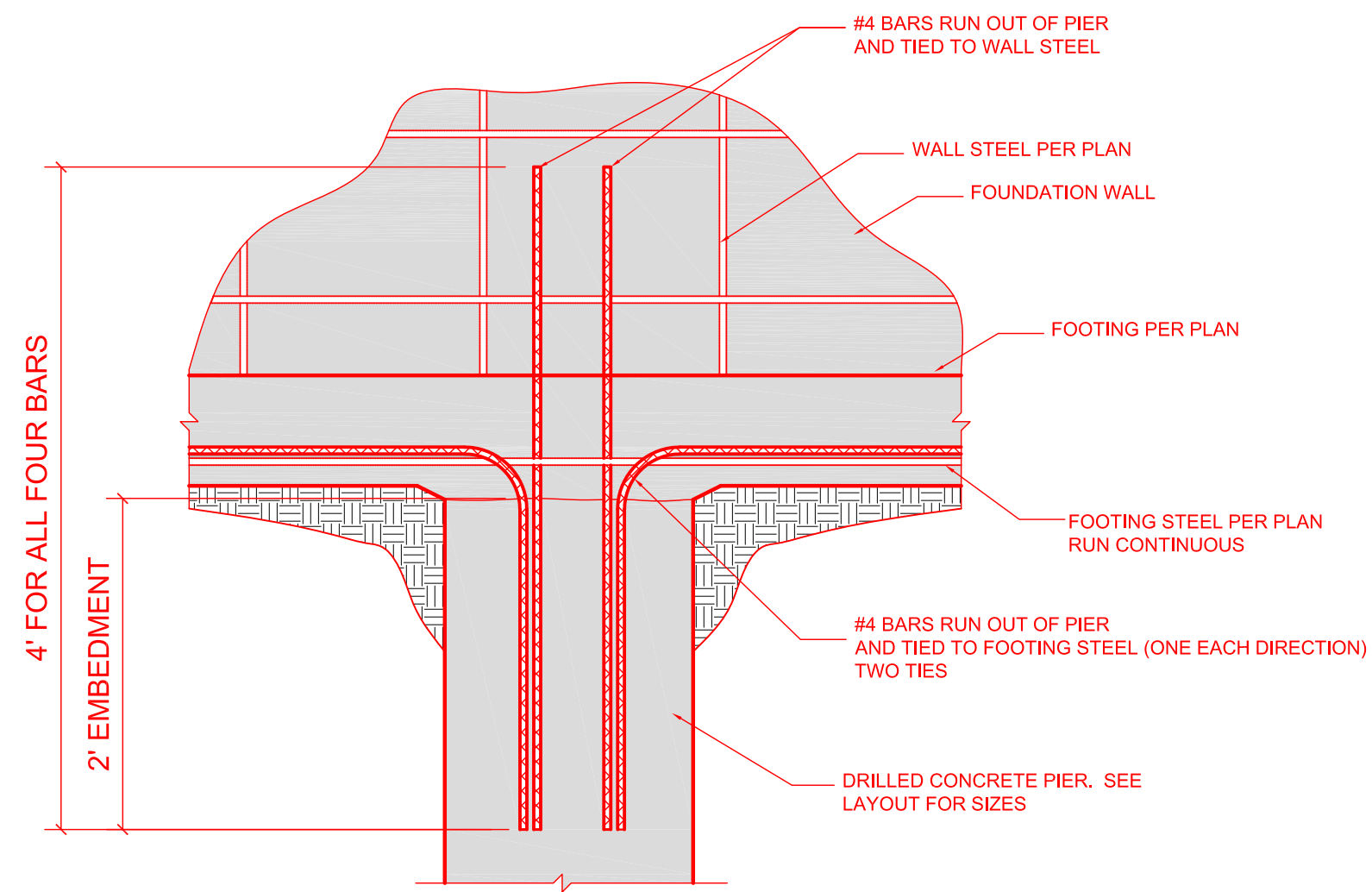
SEE FOUNDATION PLAN FOR DIMENSIONS

SCALE: 1/4" = 1'-0"	FIN. BDMT.	1350 d
	UNFIN. STORAGE	361 d
	UNFIN. MEC. ROOM	290 d



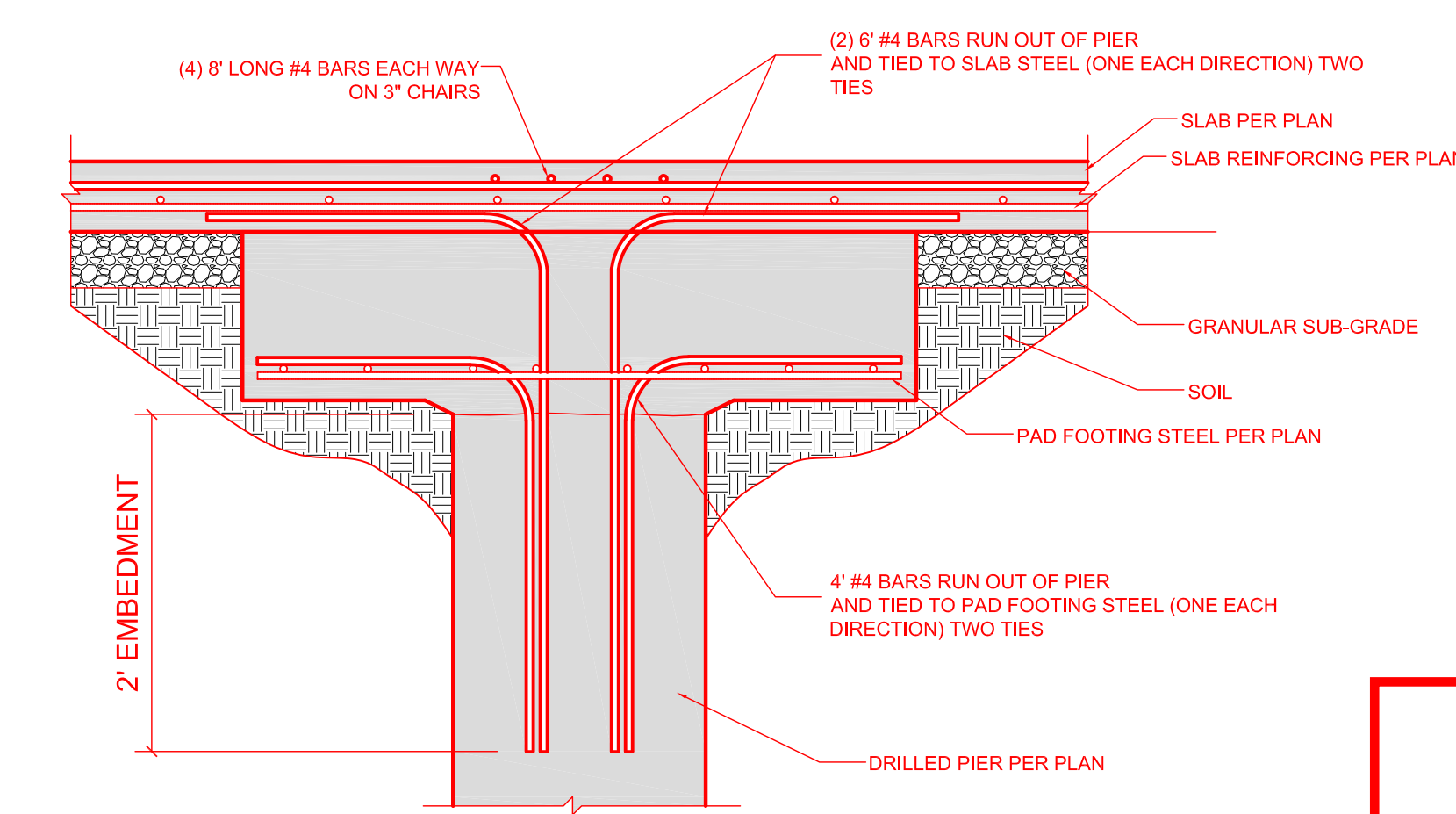
PIER TO STRUCTURAL SLAB DETAIL

SCALE: 1" = 1'-0"



PIER TO FOUNDATION WALL DETAIL

SCALE: 1" = 1'-0"



PIER TO COLUMN PAD DETAIL

SCALE: 1" = 1'-0"

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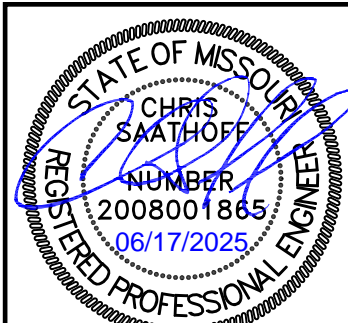
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OUR DESIGN ASSUMES THAT THE BEARING CAPACITY OF THE SHALE, LIMESTONE, OR SANDSTONE SHALL BE A MINIMUM OF 8000 PSF.

A PIER PLAN OF THIS NATURE IS ONLY INTENDED TO PROVIDE EQUIVALENT BEARING FOR GRAVITY LOADS. NO MEASURES HAVE BEEN TAKEN TO RESIST UPLIFT DUE TO THE EFFECTS OF EXPANSIVE SOIL OR LATERAL RESTRAINT DUE TO SITE STABILITY.

- 51 PIERS TOTAL FOR HOUSE SUPPORT
- PIERS ARE TO BE 18"
- PIERS TO TERMINATE SHALE, SANDSTONE OR LIMESTONE.

*THIS PIER DESIGN WAS MADE AT THE CLIENT REQUEST HD ENGINEERING HAS NOT VISITED THE SITE. THIS PIER DESIGN DOES NOT ACCOUNT FOR ANY GLOBAL STABILITY PROBLEMS THAT THE SITE MAY HAVE. HD ENGINEERING RECOMMENDS THAT A GEOTECHNICAL FIRM REVIEW AND ASSESS THE SITE TO VERIFY THAT HELICAL PIERS ARE SUITABLE FOR THE SITE CONDITIONS AND SOIL BEARING.



STRUCTURAL REVIEW
HD#: 49740

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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

07/31/2025

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Lot 385 Park Ridge
2110 Plan
Revised: 6-9-25

Plan No.

Sheet No.

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