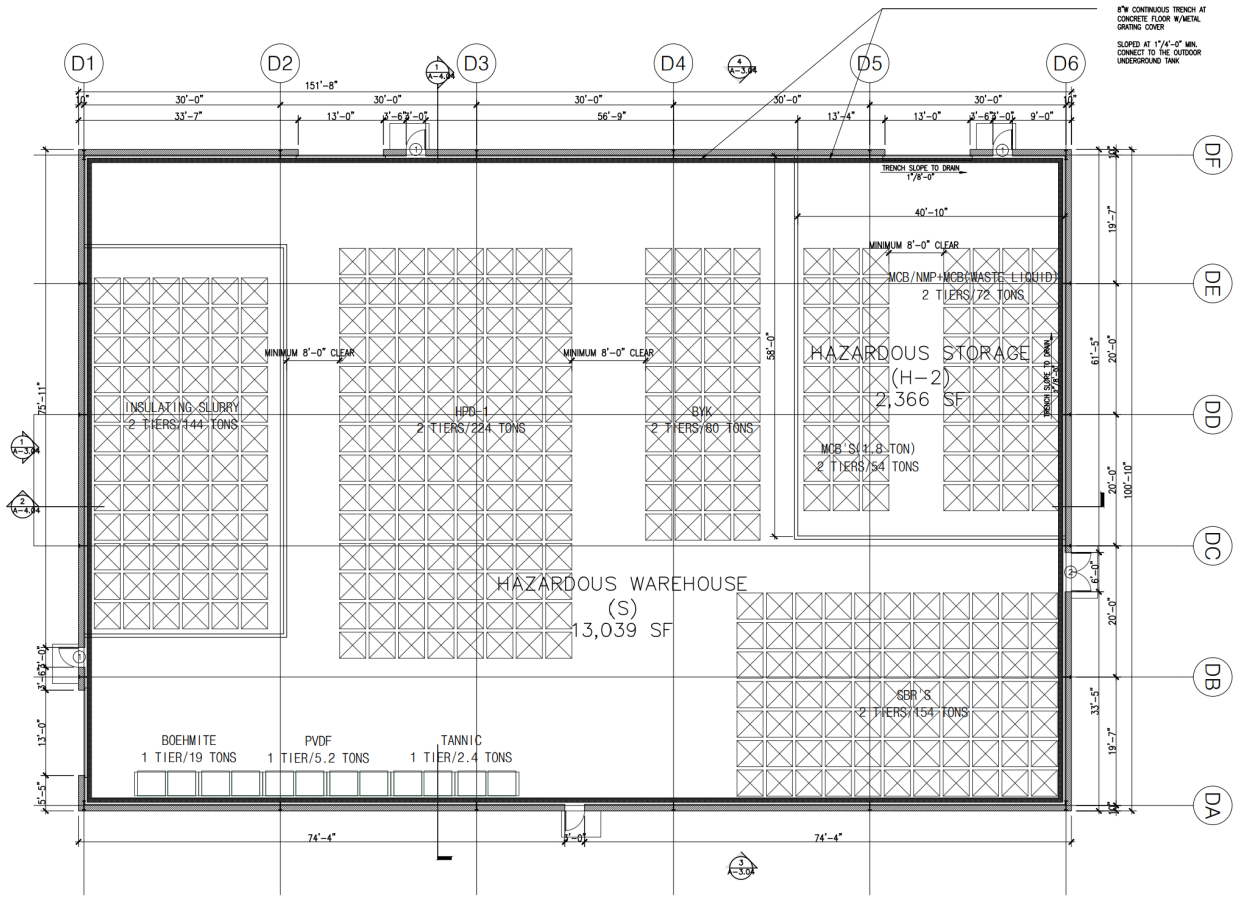
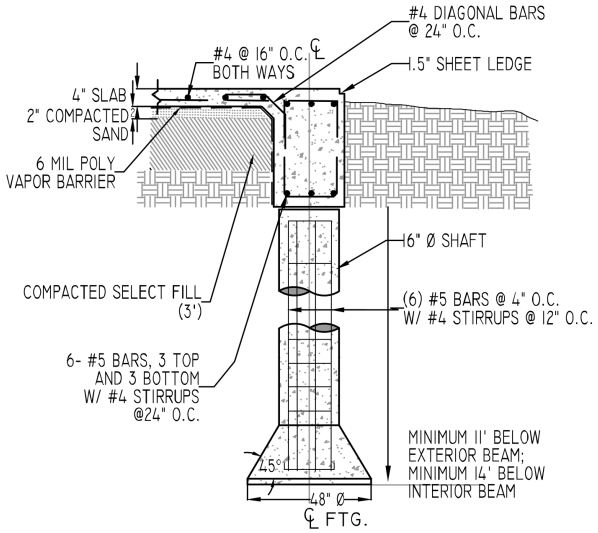


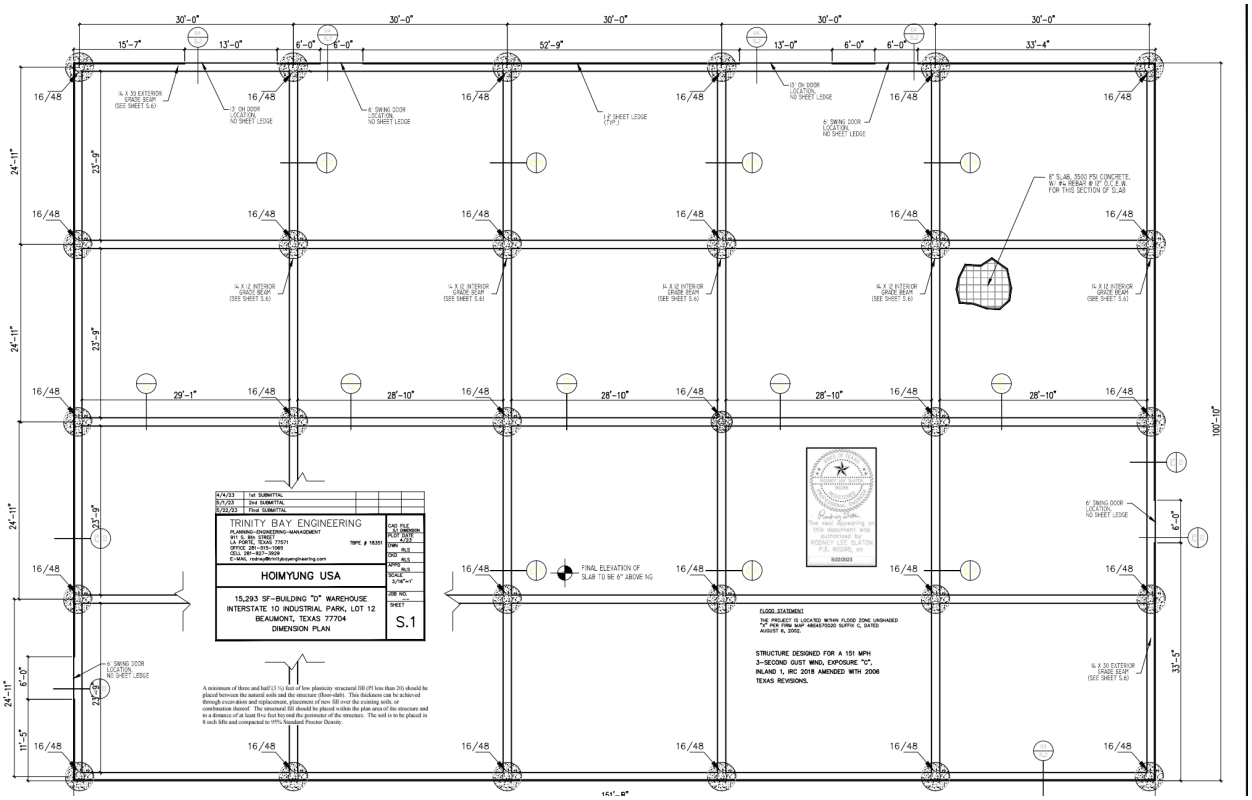
Total liveload = 754.6 ton = 1663606.2 lb = 1664 kip

Steel Frame = 140 kip



1 16/48 DRILLED SHAFT;
EXTERIOR BEAM W/ STONE LEDGE
(NOT TO SCALE)

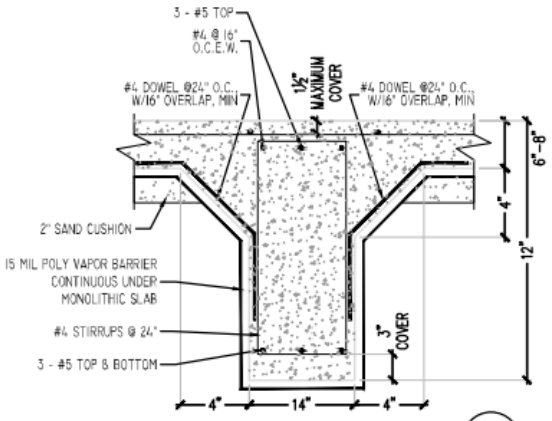
This is what the foundation looks like



This is what the previous structure engineer designed for the warehouse, but my boss' elder (70+yrs) friend thinks it won't work.

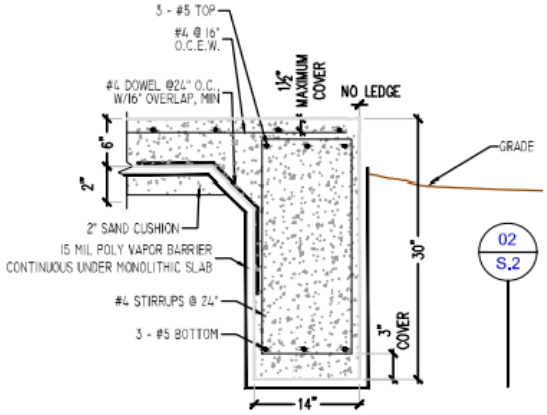
Based on what I learned in school, this is the structural slab that spread load to surrounding grade beams and then to structural columns.

My boss just want a simpler calculation to see if this foundation system can hold the provided loading (adding +10% overload).



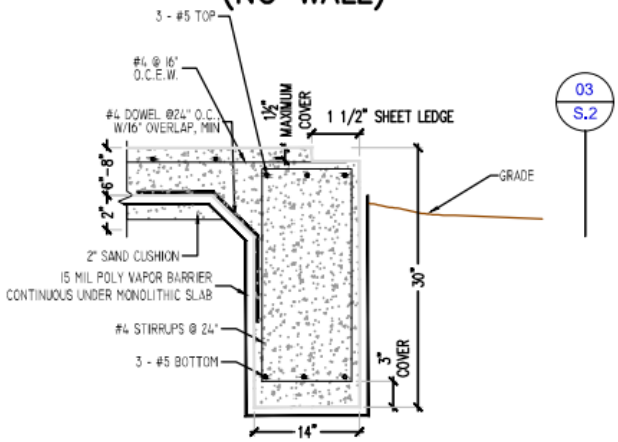
INTERIOR BEAM
(TYP.)

01
S.2



EXTERIOR BEAM
(NO WALL)

02
S.2



EXTERIOR BEAM
(TYP.)

03
S.2

Braun Project B1813347
I-10 Property-Roadway and Preliminary Foundation Evaluation
Beaumont, TX

BORING: **B-6**
LOCATION:

DRILLER: E.McClanahan | METHOD: Solid Flight Auger | DATE: **12/20/18** | SCALE: **1" = 4.4'**

Depth feet	Symbol	Description of Materials (Soil-ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)	BPF	WL	PP	MC %	DD pcf	LL	PL	PI	P200 %	Tests or Notes
0.0	CH	Dark Brown, FAT CLAY (CH), Medium to Stiff -with root fibers @ 0 to 4'			1.25	44						
					1.50	42	79	93	24	69	96	UC = 0.59 tsf
		-becomes light Brown @ 4' to 8'			1.75	36						
		-with trace GRAVEL @ 6' to 8'			2.25	29		72	20	52		
					1.00	34	86					UC = 0.48 tsf
					3.00	40						
				▼								
				▽	2.75	39						
20.0		-Ground water encountered @ 18 feet and rose to 17 feet after 15 minutes -Boring backfilled with soil cuttings upon completion.										