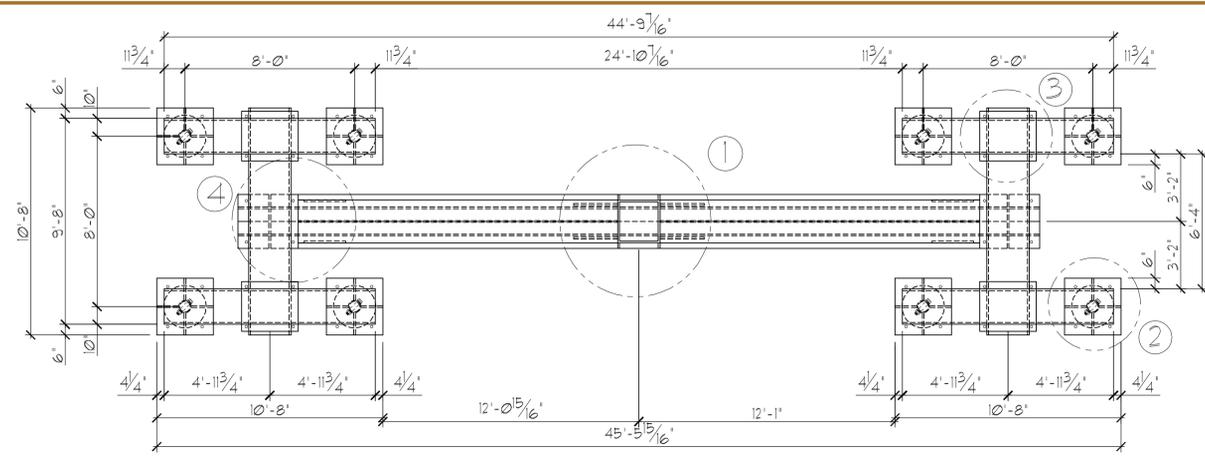


General Notes:

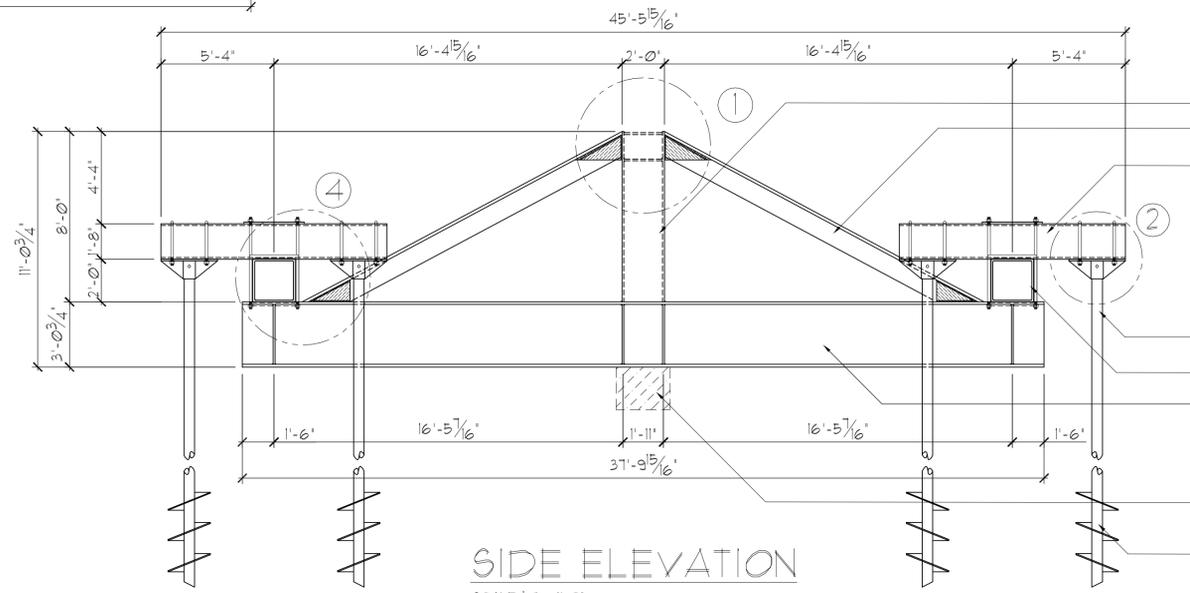
- Codes:**
This plan was prepared based on the AISC-LRPD (3rd Edition).
- Loads:**
This plan is based upon the following load parameters:
Actuator Capacity: 125 TON
- Materials:**
This plan is based upon the following material properties:
Steel: All steel wide flange (WF) shapes shall conform to ASTM A992 (Fy=50 ksi). All HSS steel tube shapes shall conform to ASTM A500 Gr. B (Fy=46 ksi). All other steel specified on plan shall conform to ASTM A36 (Fy=36 ksi).
Welds: All welds shall have a minimum electrode strength of 70 ksi, a minimum throat thickness of 3/8" unless noted otherwise on plan. All welds shall be performed and inspected by AISC certified personnel.
Fasteners and connectors: All fasteners shall be 3/4" diameter (UNO) SAE Grade 5 bolts.
Helix Piers: Locate all utilities prior to excavation and installation of helix piers. All helix piers shall be as manufactured by Magnum Piering, Inc. or equivalent. Helix pier installation should be observed by a representative from Secure Foundations, LLC (970) 471-6155 or other geotechnical engineer to verify installation torque and minimum depths. Provide a minimum of 24 hours notice prior to installation work. All helix pier connector and top plate bolts shall be snug tight. The manufacturer's recommendations should be followed regarding the torque and bearing capacity relationship for the particular helix pier selected. The ratio of required ultimate helix pier capacity to the total area of the helix blades shall not exceed the ultimate subsurface material bearing capacity provided by the geotechnical engineer.

THESE DRAWINGS AND DETAILS ARE PROVIDED FOR GENERAL ENGINEERING PURPOSES AND SHALL NOT BE USED FOR OR BY ANY MAGNUM COMPETITOR IN ANY WAY OR PUBLISHED OR REVERSE ENGINEERED.

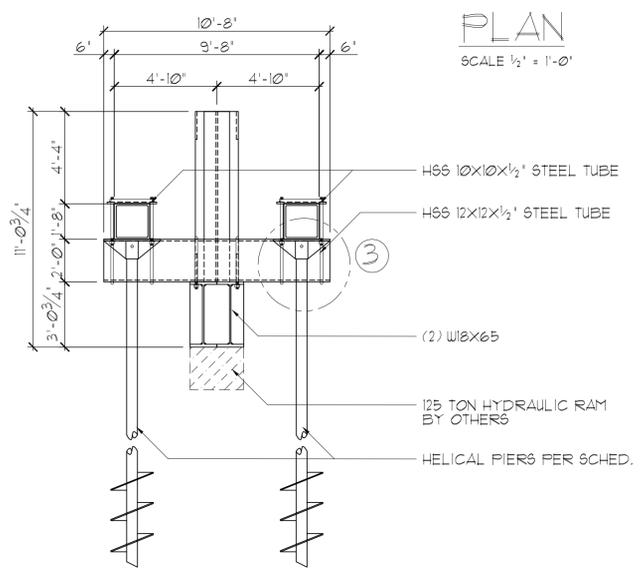
HELIX FOUNDATION SCHEDULE					
SYMBOL	QUANTITY	DESIGN CAPACITY	MIN. LENGTH*	PIER CAP CONNECTION	NOTES
○	8	50 KIPS		SEE DETAIL 2	MIN. Ø150 WALL 3" HELIX SHAFT (ØTD DUTY)



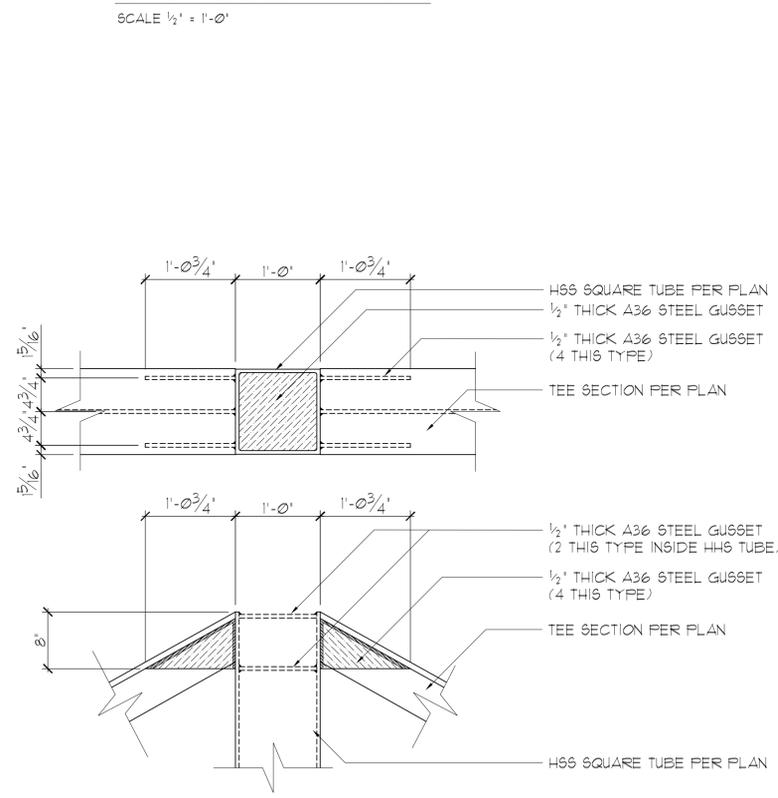
PLAN
SCALE 1/2" = 1'-0"



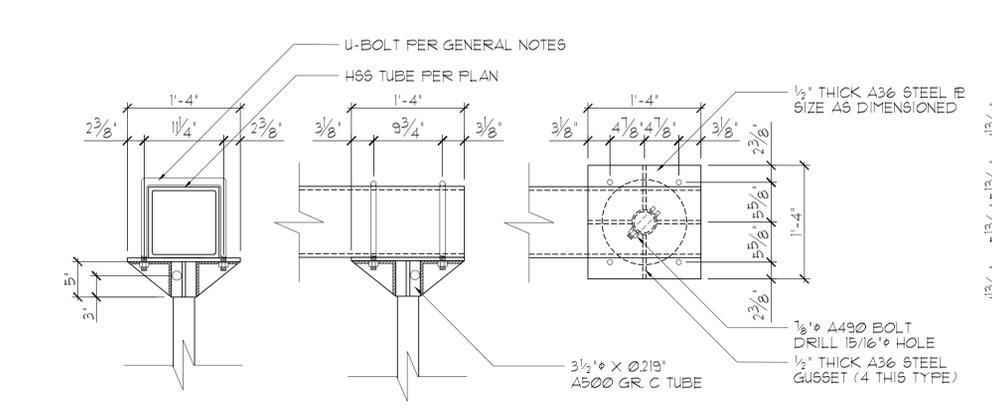
SIDE ELEVATION
SCALE 1/2" = 1'-0"



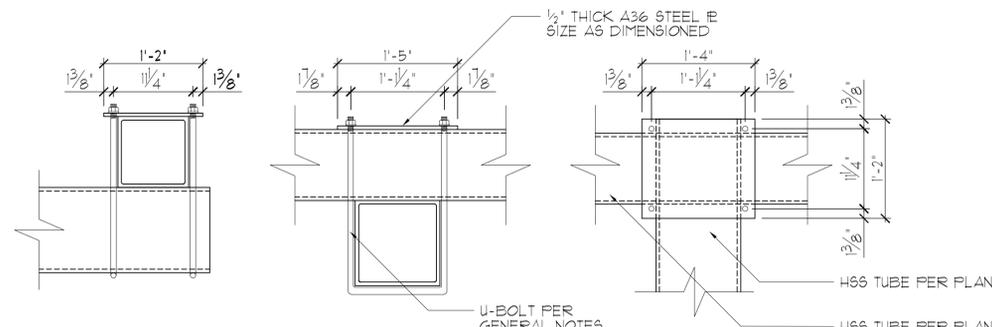
END ELEVATION
SCALE 1/2" = 1'-0"



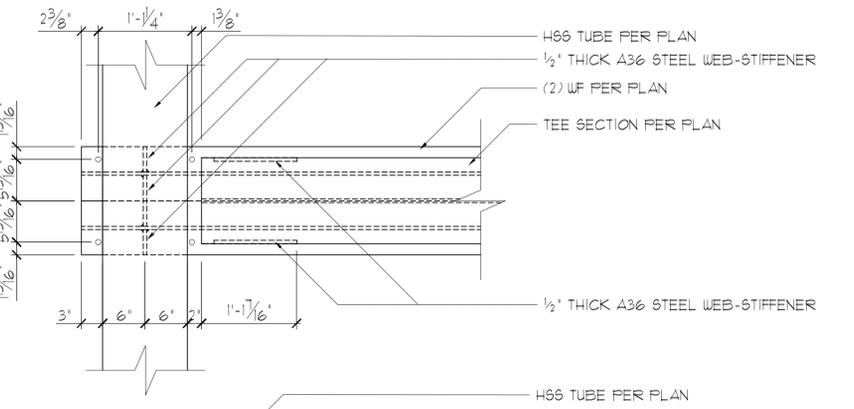
① DETAIL 1



② DETAIL 2



③ DETAIL 3



④ DETAIL 4

PROJECT NAME:

HELICAL LOAD TEST FRAME

PROJECT DESCRIPTION
STREET ADDRESS
CITY, STATE

CLIENT:
YOUR COMPANY NAME
STREET ADDRESS
CITY, STATE
Contact: Your Name
Your Number

VERTICAL HELICAL PILE LOAD TEST FRAME

NO.	DATE	REVISION/ISSUE