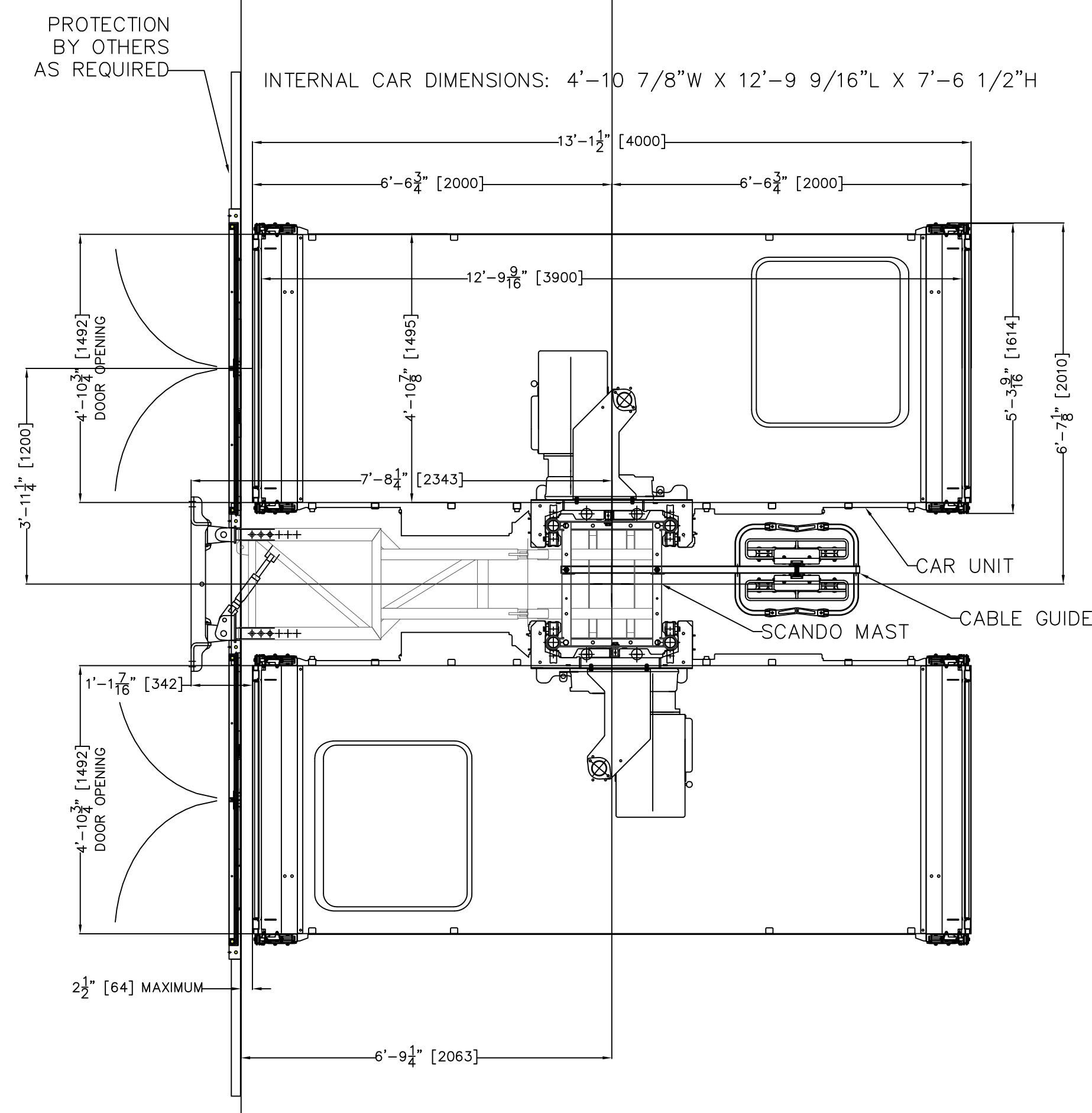
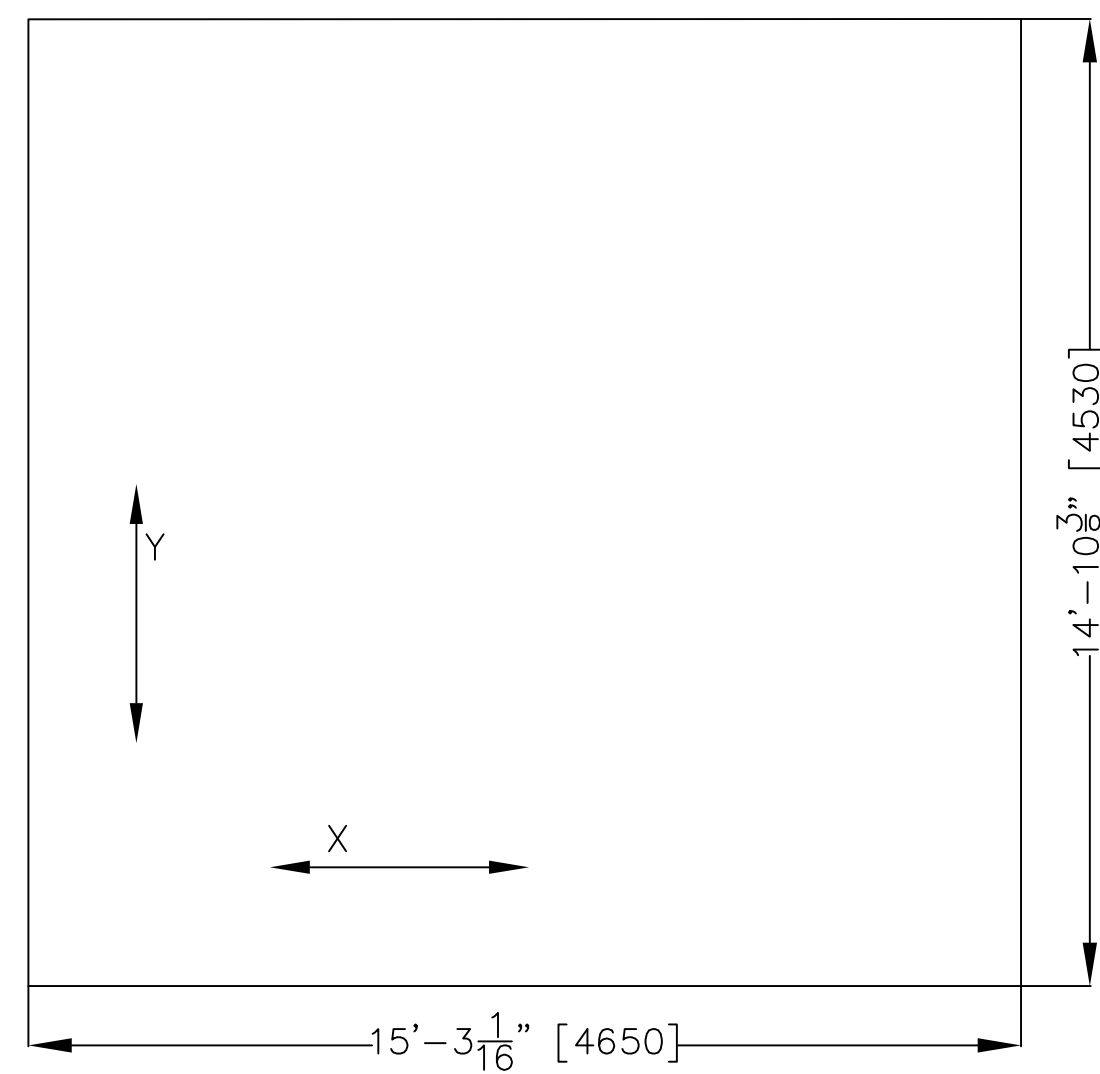


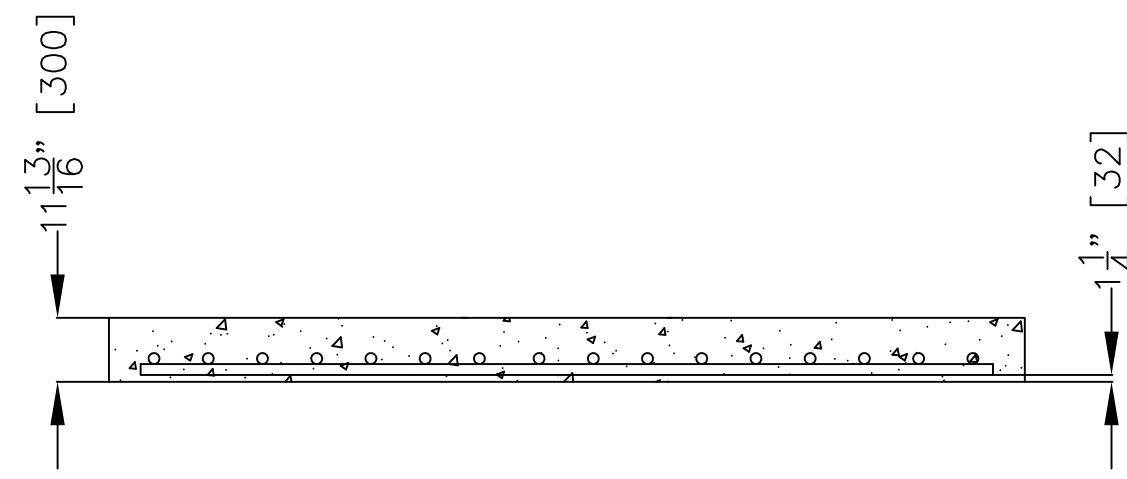
ELEVATION VIEW



MINIMUM FOUNDATION REINFORCEMENT REQUIREMENTS  
 X - X  
 #5 REBAR AT 12" C/C  
 Y - Y  
 #5 REBAR AT 12" C/C  
 3625 PSI CONCRETE

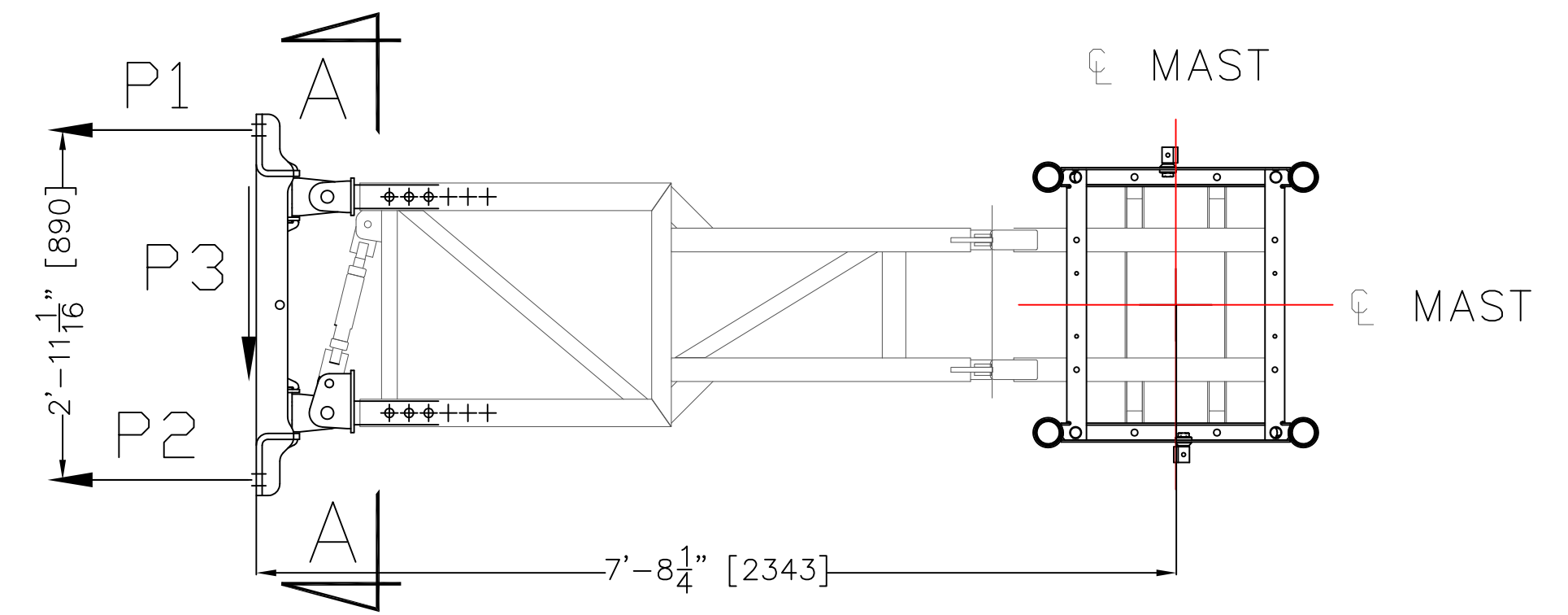
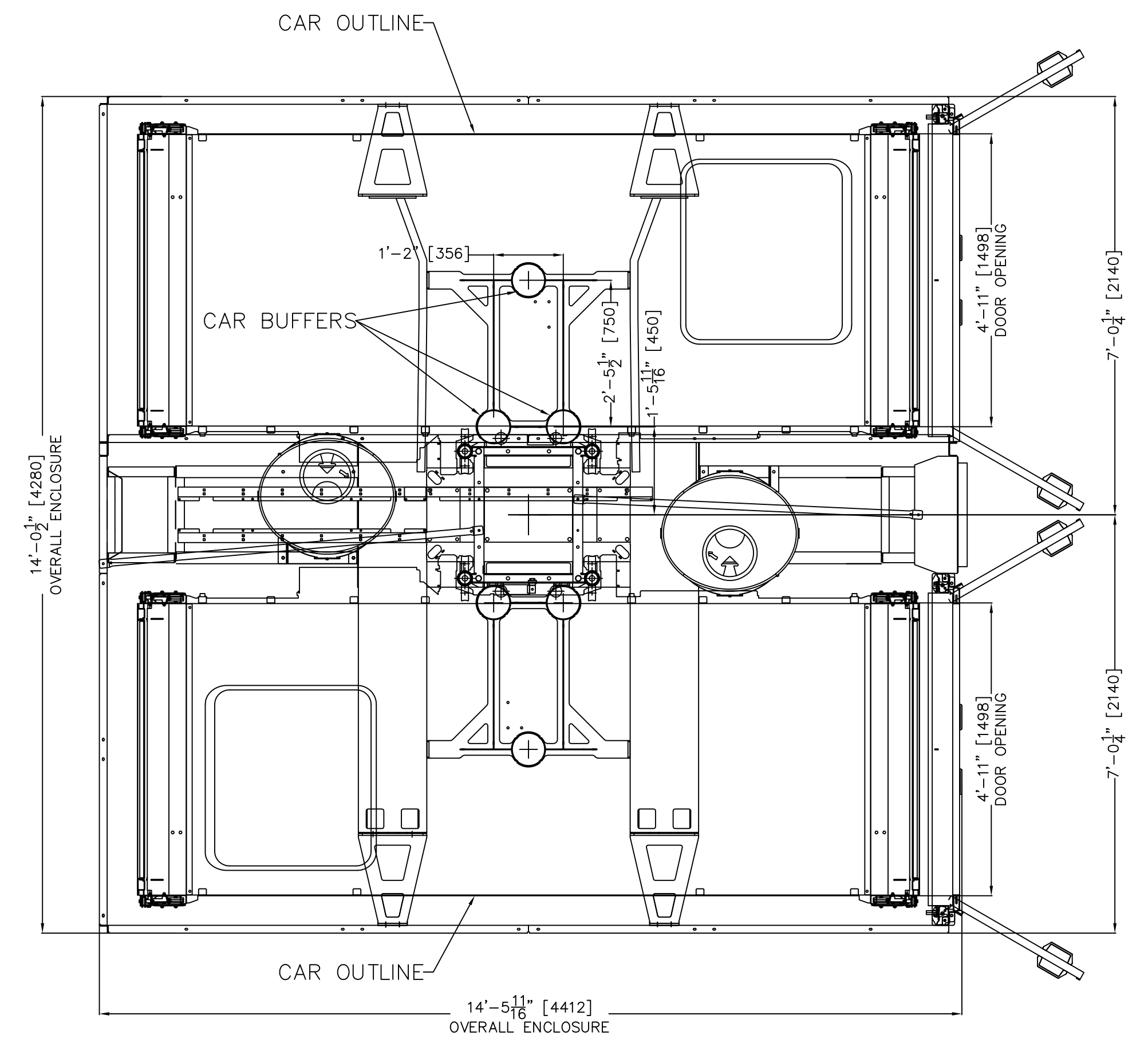


FOUNDATION PLAN VIEW



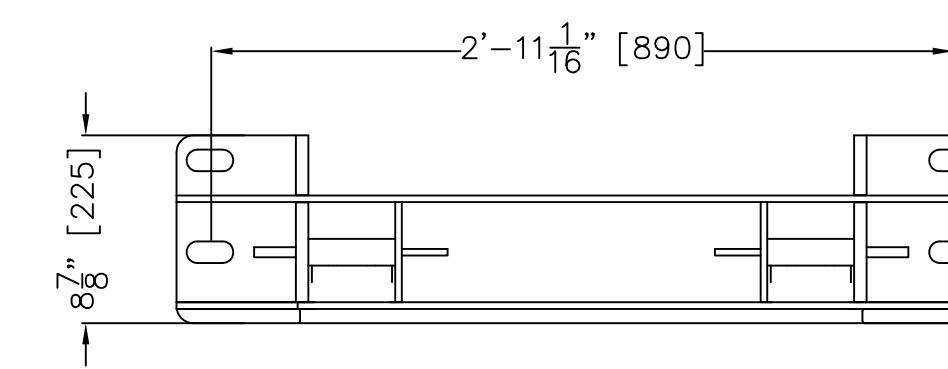
FOUNDATION SIDE VIEW

NOTE: VALID FOR MAST HEIGHTS UP TO 500'



TYPE S3A TIE DETAIL

MAIN FRAME 9100630-390 & WALL BRACKET 9101500-210



SECTION A-A

P1 = 17.95 KIPS  
 P2 = 17.95 KIPS  
 P3 = 6.8 KIPS

LOAD ON BASE INCLUDING 100% IMPACT  
 P5 = 68.6 KIPS

CAR BUFFER REACTION  
 P6 = 60.5 KIPS

MACHINE TECHNICAL DATA SPECS	
MACHINE TYPE	ALIMAK SCANDO 650 C52/39
CONFIGURATION	DUAL
LENGTH	12'-9 9/16"
MAST HEIGHT	218'
CAPACITY	7100 LBS / CAR
RATED SPEED	175 FT/MIN
MOTORPACK TYPE	VFC
NUMBER OF MOTORS	3 x 11kW
POWER SUPPLY REQUIREMENTS (PER CAR)	
VOLTAGE	480V, 3 PHASE
BREAKER SIZE	100A
FREQUENCY	60 HZ
STARTING CURRENT	91A
POWER CONSUMPTION	66 kVA

COMPONENT WEIGHTS	
BASE ENCLOSURE (W/ COMPLETE CAR)	7605 LBS
CAR WITH DOORS	3329 LBS
MOTORPACK (VFC)	1965 LBS
MAST SECTION (DUAL)	298 LBS

- PROJECT NOTES
- TIE IN LOADS SHOWN WERE CALCULATED BASED ON WIND CODE ASCE 7-02; EXPOSURE C. MAXIMUM IN SERVICE WIND SPEED OF 40 MPH AND MAXIMUM OUT OF SERVICE WIND SPEED OF 100 MPH. TIE IN LOADS SHOWN WERE CALCULATED BASED ON ASCE 7-95 ZONE 0 SEISMIC ACTIVITY.
  - CONCRETE EXPANSION ANCHORS THAT FAIL TO MEET THE REQUIREMENTS OF EITHER MINIMUM EMBEDMENT OR SET TENSIONING SHALL BE REMOVED AND NEW ANCHORS INSTALLED HAVING A DEEPER EMBEDMENT OR LARGER DIAMETER WHERE POSSIBLE.
  - ABANDONED EXPANSION BOLT HOLES ARE TO BE FILLED WITH 5000 PSI NON-SHRINK GROUT.
  - ALL MAST BOLTS AND HARDWARE SCREWS TO HAVE LOCKNUTS.
  - ERECTOR NOTE - ON SITE CONDITIONS SHALL GOVERN. VARIATIONS TO BE REPORTED TO ALIMAK HEK PRIOR TO CONTINUATION OF WORK.
  - ERECTOR TO MAKE USE OF PLUMB BOBS, DROP LINES, LASERS, SPIRIT LEVELS AND SIMILAR TOOLS TO INSURE DIMENSIONAL ACCURACY.
  - MODIFICATIONS OF FURNISHED MAST TIE INS NOT ALLOWED WITHOUT PRIOR APPROVAL OF ALIMAK HEK.
  - ADEQUATE FOUNDATION TO SUPPORT FOOTPRINT AS SHOWN IN PLAN AT BOTTOM LANDING. SEE DATA ON THIS DRAWING FOR FOUNDATION FORCES.
  - ADEQUATE SUPPORT FOR GUIDEMAST FASTENING PER TIE IN SCHEDULE. SEE DATA ON DRAWING FOR GUIDEMAST FORCES.
  - ENGINEER OF RECORD TO VERIFY LANDING STRUCTURE CAN TAKE TIE-IN FORCES.

**ALIMAK HEK**  
 CONSTRUCTION DIVISION  
 55 EAST PAULDING DRIVE, SUITE 106-342, DALLAS, GA 30157  
 TELEPHONE (678) 402-1004 TELEFAX (678) 623-0452

REV	REVISION REMARKS	DATE
A	FIRST DRAWING	10/3/05
B	SECOND DRAWING NOTE ADDED	10/7/05
C	TYPE S3A TIE INFORMATION ADDED	2/14/07
D	LOAD INFORMATION ADDED	7/9/09

ALIMAK SCANDO 650 C52/39			
JOB NAME GENERAL LAYOUT			
JOB LOCATION			
CUSTOMER NAME			
DRAWN BY GEJ	DATE 7/9/09	SCALE NONE	REV D
CHECKED BY GEJ	PAGE 1 OF 1	DWG NO. 20050517	