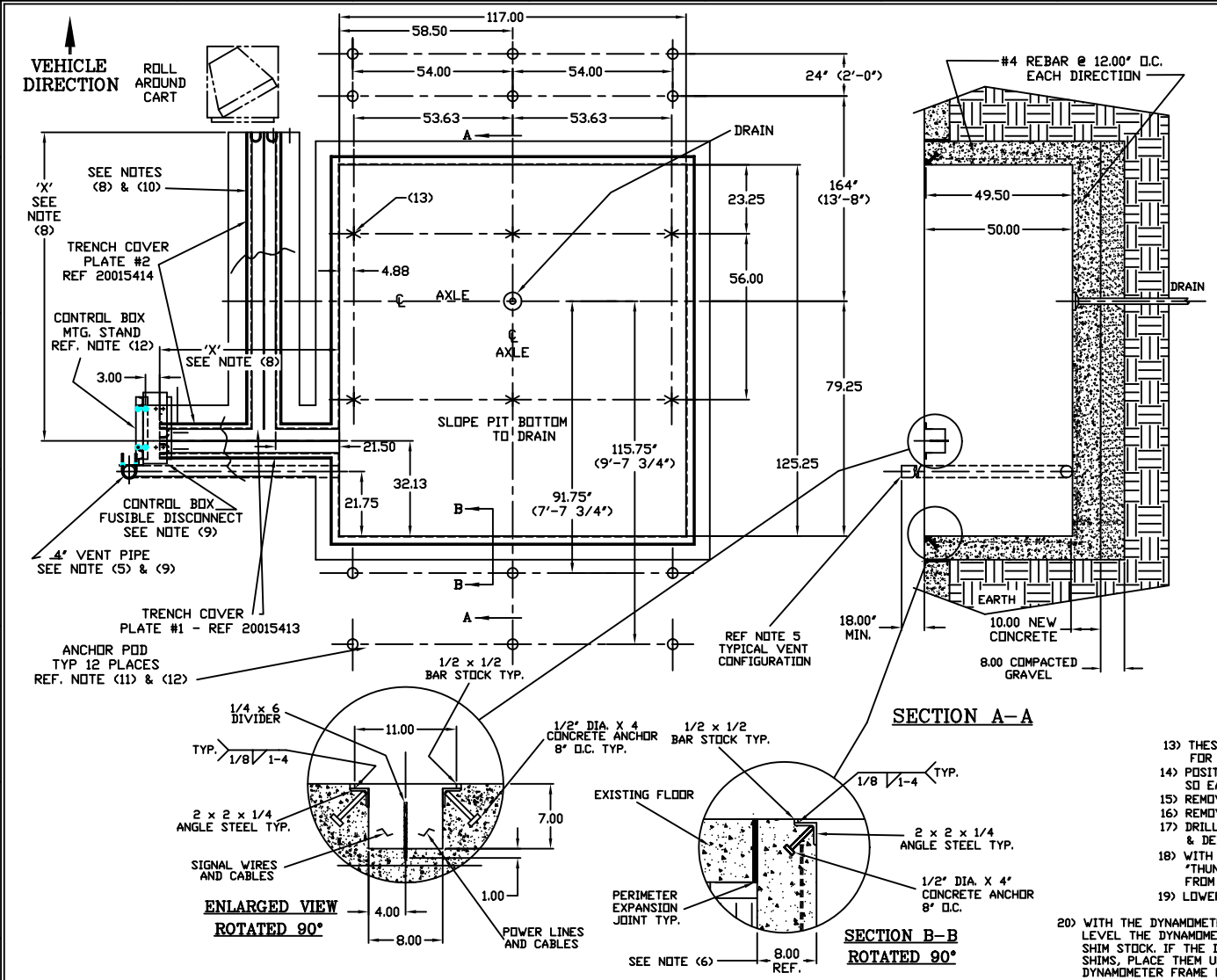

NOTES:

1) AN INTEGRAL POUR OF THIS PIT IS RECOMMENDED. IF THIS IS NOT POSSIBLE THEN COMPLETE FLOOR (PIT BOTTOM) MUST BE POURED WITH THE WALLS PINNED ON TOP.
2) THE INSTALLER OF THIS DYNAMOMETER PIT ACCEPTS FULL RESPONSIBILITY FOR ADHERING TO ALL LOCAL, STATE AND FEDERAL CONSTRUCTION CODES. IF ANY OF THE INFORMATION OR IDEAS DEPICTED IN THIS DRAWING DO NOT ADHERE TO THESE CODES, MUSTANG DYNAMOMETER MUST BE NOTIFIED IN WRITING OF CODE VIOLATIONS.
3) COMPRESSIVE STRENGTH OF CONCRETE IS NOT TO BE LESS THAN 3000 PSI.
4) TRENCH TO CONTROL BOX MOUNTING STAND SHOULD BE ON LEFT SIDE (DRIVERS SIDE).
5) PIT VENT REQUIREMENT: MUST BE ACCORDING TO NATIONAL ELECTRIC CODE. PIT MUST BE VENTED TO SOME POINT OUTSIDE OF PIT AND AT A POINT HIGHER THAN 18" ABOVE THE GRADE LEVEL (SHOP FLOOR). FAN (NOT SUPPLIED) SHOULD CONSTANTLY REMOVE AIR FROM THE PIT AT A RATE OF SIX AIR CHANGES PER HOUR FROM THE BOTTOM OF THE PIT FLOOR. LOCATION OF 4" VENT PIPE FOR REF. ONLY.
6) WALL THICKNESS IS FOR REF. ONLY. THE WALLS SHOULD BE INSTALLED ACCORDING TO LOCAL CODES.
7) ALL DIMENSIONS ARE IN INCHES. TOLERANCES FOR ALL DIMENSIONS TO BE +.13/-.00
8) DIMENSION 'X' TO BE DETERMINED BY CUSTOMER. 30' OF CABLE SUPPLIED TO CONTROL BOX. 30' OF CABLE SUPPLIED FROM CONTROL BOX TO ROLL AROUND CART (COMPUTER STATION).
9) MATERIAL NOT SUPPLIED BY MUSTANG DYNAMOMETER:
   A) TRENCH COVER PLATES. - CAN BE QUOTED AS AN OPTION.
   B) VENT FAN FOR PIT.
   C) FUSIBLE DISCONNECT:
      * BASE 115VAC, 1PHASE, 15AMP
      * OPTION#1 230VAC, 1PHASE, 30AMPS AND 115VAC, 1PHASE, 15AMP
      * OPTION#2 230VAC, 3PHASE, 60AMPS AND 115VAC, 1PHASE, 15AMP
      * EXCLUDES ANY ACCESSORIES, ie, FAN, FOUR POST LIFT, ETC...
   D) WIRE FROM FUSIBLE DISCONNECT TO MD CONTROL BOX.
   E) AIR SUPPLY @ CONTROL BOX MOUNTING STAND 80 PSI CLEAN DRY REGULATED AIR W/ TURN-OFF. ⚠1/4"Ø PRESS-LOCK FITTING IS REQUIRED TO ACCOMODIATE 1/4"Ø AIR LINE.
   F) CONTROL BOX MOUNTING STAND.
   G) THUNDER STUDS (2) FOR CONTROL BOX MOUNTING STAND.
10) THIS TRENCH RUN IS SPECIFICALLY FOR CABLES THAT RUN FROM MD CONTROL BOX TO THE ROLL AROUND CART THAT HOUSES THE COMPUTER AND VIEWING MONITOR.
11) ANCHOR PODS ARE SHOWN IN SUGGESTED LOCATIONS. VARIABLES INCLUDE - VEHICLE BEING TESTED, AREA AVAILABLE, VEHICLE TIE DOWN POINTS, ETC.....
12) MATERIAL SUPPLIED BY MUSTANG DYNAMOMETER.
   A) THUNDER STUDS (6) FOR DYNO INSTALLATION.
   B) ANCHOR PODS (12)
13) THESE (6) ASTERISK (><) REPRESENT APPROXIMATE POSITION OF ANCHOR BOLTS FOR DYNO MOUNTING. KEEP REBAR CLEAR FROM THESE AREAS.
14) POSITION DYNE IN PIT AND INSTALL COVER PLATES. ADJUST DYNAMOMETER LOCATION SO EACH COVER PLATE EXTENDS AT LEAST .75" BEYOND THE SIDE WALLS OF PIT
15) REMOVE COVER PLATES AND MARK ANCHOR BOLT LOCATIONS.
16) REMOVE DYNE FROM PIT.
17) DRILL (6) 5/8" ø HOLES 7" DEEP AND ENSURE THE HOLES ARE CLEAR OF DUST & DEBRIS BY BLOWING OUT W/ AIR.
18) WITH THE NUT OF THE "THUNDERSTUD" FLUSH WITH THE TOP OF STUD, TAP THE "THUNDERSTUD" INTO THE HOLES (6 PLACES) UNTIL THE TOP OF THE STUD IS 1.75" FROM THE PIT FLOOR. DO NOT TAP BELOW 1.75". REMOVE THE NUT AND WASHER.
19) LOWER THE DYNAMOMETER ON TOP OF THE THUNDERSTUDS.
20) WITH THE DYNAMOMETER IN POSITION, LEVEL THE DYNAMOMETER USING STEEL SHIM STOCK. IF THE DYNAMOMETER NEEDS SHIMS, PLACE THEM UNDERNEATH THE DYNAMOMETER FRAME NEAR THE (6) ANCHOR LOCATIONS.
21) PLACE WASHER AND NUT ON THUNDERSTUDS. EXPAND THE ANCHORS BY TIGHTENING THE NUT.
22) INSTALL TOP COVER PLATES.

REF. 20015967

REV	ECN	REVISION	BY	DATE
A	938	RELEASE	JMS	11JUN02

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DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED

TOL: .XX± [.XX±] MACH. PARTS: .XX ± .01[.25] .XXX ± .005[.127] FAB. PARTS: .XX ± .06[1.52] .XXX ± .030[.127] ANGULAR ±1°

TITLE: 50" DIA. ROLL DYNAMOMETER W/96" OUTER TRACK WIDTH, PIT DRAWING

DRAWN:	DATE:	APP.	DATE:	SCALE:	UNITS:
JMS	11JUN02			1:16	IN[MM]

SIZE:	DWG. NO.	SH	REV.
D	20024451	1 OF 1	A

DYNO SHOWN ON LAYER "DYNO"