



**NOTES:**

- 1) AN INTEGRAL POUR OF THIS PIT IS RECOMMENDED. IF THIS IS NOT POSSIBLE THEN COMPLETE FLOOR BOTTOM MUST BE POURED WITH THE WALLS FINISHED ON TOP.
- 2) THE INSTALLER FOR 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 DOES 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: PIT MUST BE ACCORDING TO NATIONAL ELECTRIC CODE. PIT MUST BE VENTED TO OUTSIDE AT GRADE LEVEL. GROUND 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. 90" 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) TRENCH COVER PLATE.
  - C) TRENCH FAN.
  - D) TRENCH DISCONNECT.
  - E) TRENCH FAN.
  - F) TRENCH FAN.
  - G) TRENCH FAN.
  - H) TRENCH FAN.
  - I) TRENCH FAN.
  - J) TRENCH FAN.
  - K) TRENCH FAN.
  - L) TRENCH FAN.
  - M) TRENCH FAN.
  - N) TRENCH FAN.
  - O) TRENCH FAN.
  - P) TRENCH FAN.
  - Q) TRENCH FAN.
  - R) TRENCH FAN.
  - S) TRENCH FAN.
  - T) TRENCH FAN.
  - U) TRENCH FAN.
  - V) TRENCH FAN.
  - W) TRENCH FAN.
  - X) TRENCH FAN.
  - Y) TRENCH FAN.
  - Z) TRENCH FAN.
- 10) CONTROL BOX MOUNTING STAND.
- 11) THUNDER STUDS (2) FOR CONTROL BOX MOUNTING STAND.
- 12) THIS TRENCH RUN IS SPECIFICALLY FOR CABLES THAT RUN FROM MD CONTROL BOX TO THE ROLL AROUND CART THAT HOUSES THE COMPUTER AND WEIGH MONITOR.
- 13) ANCHOR BOLTS ARE SHOWN IN SUGGESTED LOCATIONS. VARIABLES INCLUDE VEHICLE BEING TESTED, AREA AVAILABLE, VEHICLE TIRE PRINTS, ETC.
- 14) MATERIAL SUPPLIED BY MUSTANG DYNAMOMETER:
  - A) THUNDER STUDS (2) FOR DYN DYNAMOMETER.
  - B) ANCHOR BOLTS (2).
- 15) THESE (4) ASTERISK (\*) REPRESENT APPROXIMATE POSITION OF ANCHOR BOLTS FOR DYN MOUNTING. KEEP REBAR CLEAR FROM THESE AREAS.
- 16) POSITION DUNE IN PIT AND INSTALL TRENCH COVER PLATES ADJUST DYNAMOMETER LOCATION.
- 17) SO EACH COVER PLATE EXTENDS AT LEAST 75" FROM THE SIDE WALLS OF PIT.
- 18) REMOVE COVER PLATES AND MARK ANCHOR BOLT LOCATIONS.
- 19) REMOVE DUNE FROM PIT.
- 20) DRILL (6) 5/8" Ø HOLES 7" DEEP AND ENSURE THE HOLES ARE CLEAR OF DUST & DEBRIS BY BLOWING DIRT W/ AIR.
- 21) 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 BEYOND 1.75". REMOVE THE NUT AND WASHER.
- 22) LOWER THE DYNAMOMETER ON TOP OF THE THUNDERSTUDS.
- 23) 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 BOLT LOCATIONS.
- 24) WITH WASHER AND NUT ON THUNDERSTUDS, LOCATIONS, TIGHTEN THE WASHERS.
- 25) EXPAND THE ANCHORS BY TIGHTENING THE NUT.
- 26) INSTALL TOP COVER PLATES.

REV#	REVISION	BY	DATE
0	818 APPROVED WORKS 17, 18, 19, 20 & 21.	MS	22/04/20
1	843 2x2x. 56.00 WERE 12.75x6.50. RESE	TK	20/04/20
2	796 NOTES CHANGED. SEE ECH	MS	16/04/19
3	0293 RELEASE	MS	16/04/19

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