NOTES:
1. ALL DIMENSIONS ARE NORMAL TO FACE OF MASONRY OR TO FACE OF METAL STUD.
2. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL AND STATE OR ANY OTHER GOVERNING CODE REQUIREMENTS.
3. VERIFY ALL UNDERGROUND UTILITIES BEFORE EXCAVATION.

STRUCTURAL NOTES:
1. CODES AND STANDARDS

THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE STANDARD BUILDING CODE 1991 EDITION.
2. FOUNDATION

ALL PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS ON SOILS AND FOUNDATIONS INVESTIGATION PREPARED BY AN APPROVED TESTING LABORATORY PRIOR TO FOUNDATION WORK.
3. FOOTINGS TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 5000 PSI.

SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.

3. CONCRETE

ALL CONCRETE SHALL BE READY MIX, HAVE A MINIMUM COMPRESSION STRENGTH OF 2000 PSI AND HAVE A MINIMUM OF 517 LBS. OF CEMENT PER CUBE YARD.


ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BARE STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60. SPECIES TO LARGER MIN 0.15, CONCRETE COVER MIN. 3" AGAINST EXTERNAL SLAB.

THE PIT WALLS CAN BE CONSTRUCTED FROM MASONRY BLOCK AS ALWAYS CONSULT YOUR CONTRACTOR TO ENSURE THE WALLS WILL MEET THE CODES AND STRUCTURAL STANDARDS MASONRY.

MASONRY UNITS SHALL BE ASTM C 90 GRADE N. ALL MORTAR SHALL BE TYPE S (OR TYPE N) IN ACCORDANCE WITH ASTM SPECIFICATION C270.

PROVIDE HOT-DIPPED GALVANIZED TRUSS TYPE HORIZONTAL REINFORCEMENT (MIN 9 GA.) AT 10" ON CENTER VERTICALLY IN ALL MASONRY WALLS. PROVIDE CROOKED ANCHORS AT CONCRETE COLUMNS.

SECTION A--A

SECTION B--B

DYNJOET RESEARCH
224 CAR DYNAMOMETER
FINISHED PIT DIMENSIONS

DATE: 08/21/15

PAGE: 1 OF 2

DRAWN BY: [signature]
CHECKED BY: [signature]
APPROVED BY: [signature]
THE TWO DYN0 LOCATIONS SHOWN ABOVE ARE COMMONLY USED. IF NEITHER OF THESE CONFIGURATIONS WILL WORK FOR YOUR SITUATION PLEASE CONTACT DYNJET. DYNJET CAN HELP IN THE OPTIMUM LAYOUT FOR YOUR SITUATION AND NEEDS. MAKE SURE WHEN INSTALLING THE GROUND HOOKS, THE HOOK SWIVELS UP AND DOWN TOWARDS THE DYN0. THUS THE HOOKS ON EACH SIDE OF THE DYN0 ARE TURNED 90° COMPARED TO THE HOOKS IN FRONT AND BACK OF THE DYN0.
EXTENDED PIT FOR RETARDER OPTION. CAN BE ON BOTH OR EITHER SIDE.

DIRECTION OF VEHICLE TRAVEL
TOP VIEW OF PIT

3.1/2" PVC CONDUIT
3' (914.4MM) LONG TURN UP THRU EXISTING SLAB
THIS CONDUIT SHOULD BE PLACED ON THE SIDE OF THE PIT THE DYNOWARE EX+ SYSTEM IS GOING

OPTIONAL DUCT 10" DIA or RECT DUCT FOR FORCED COOLING. LOCATE ON SAME SIDE AS RETARDER.
TYPICAL 8" (203.2MM) MONOLITHIC CONCRETE SLAB WITH 6"X6 10/10 W.W.F OVER CONT. 6 MIL. POLYETHYLENE VAPOR BARRIER ON CLEAN, COMPACTED, TERMITE TREATED FILL.

3 1/2" PVC CONDUIT
3" (914.4MM) LONG TURN UP THRU EXISTING SLAB

BENTONITE WATERPROOFING

GROUT #5 REBAR INTO EXISTING SLAB
2"X2"X1/4" ANGLE AROUND PERIMETER OF PIT

6" (152.4MM) CONCRETE RETAINING WALL
(SEE STRUCTURAL NOTE 3)

#5 REBAR @ 18" (457.2MM) O.C. (VERTICAL) HOOK STEEL
(3) #5 REBAR CONTINUOUS AROUND PIT (HORIZONTAL)

CONSTRUCTION JOINT
6" (152.4MM)
FLOOR LEVEL

ADDITIONAL 30" (762MM) W. LAYER 6X6 10/10 W.W.F. @ SLAB PERIMETER

12"X12" (304.8 X 304.8MM) MONOLITHIC CONCRETE FOOTING WITH (2) #5 REBARS CONTINUOUS.

SECTION A-A

MATERIAL: N/A
FINISH: N/A

UNLESS OTHERWISE SPECIFIED:

TOOLING TOLERANCES

DECIMAL 
X.XX ± 0.01
X.XXX ± 0.005

FRACTIONAL
± 1/16
± 1/32

ANGULAR
± 5°

DO NOT SCALE THIS DRAWING

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SCALE: 1:1
RELASE DATE: SHEET 2 OF 6

DYNOJET RESEARCH
200 ARDEN DRIVE, BELGRADE MT 59714

224 CAR DYNAMOMETER
SECTION A-A

98219103
3 1/2" PVC CONDUIT
3' (914.4MM) LONG TURN UP
THRU EXISTING SLAB

4' - 5" (1346.2MM)

6" (147MM)

2' - 3" (673MM)

FLOOR LEVEL

SECTION B-B
NOTES:

1. ALL DIMENSIONS ARE NOMINAL TO FACE OF MASONRY OR TO FACE OF METAL STUD.

2. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL AND STATE AND OR ANY OTHER GOVERNING CODE REQUIREMENTS.

3. VERIFY ALL UNDERGROUND UTILITIES BEFORE EXCAVATION.

STRUCTURAL NOTES

1. CODES AND STANDARDS

THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE STANDARD BUILDING CODE 1991 EDITION.

2. FOUNDATION

ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS ON SOILS AND FOUNDATIONS INVESTIGATION PREPARED BY AN APPROVED TESTING LABORATORY PRIOR TO FOUNDATION WORK.

BOTTOM OF FOOTINGS TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 2500 PSF.

SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.

3. CONCRETE

ALL CONCRETE SHALL BE READY MIX, HAVE A MINIMUM COMPRESSION STRENGTH OF 2800 PSI @ 28 DAYS AND HAVE A MINIMUM OF 517 LBS. OF CEMENT PER CUBIC YARD.

ALL THE CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/LATEST EDITION), THE ACI DETAILING MANUAL (ACI 315/LATEST EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301/LATEST EDITION)

ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60. SPLICES TO LAP MIN 25”. CONCRETE COVER MIN. 3” AGAINST EARTH @ SLAB

THE PIT WALLS CAN BE CONSTRUCTED FROM MASONARY BRICK AS ALWAYS CONSULT YOUR CONTRACTOR TO ENSURE THE WALLS WILL STILL MEET THE CODES AND STRUCTURAL STANDARDS

4. MASONRY

MASSONARY UNITS SHALL BE ASTM C 90 GRADE N. ALL MORTAR SHALL BE TYPE S (OR TYPE M) IN ACCORDANCE WITH ASTM SPECIFICATION C270.

PROVIDE HOT DIPPED GALVANIZED TRUSS TYPE HORIZONTAL REINFORCEMENT (MIN 9 GA.) AT 16” ON CENTER VERTICAL IN ALL MASONARY WALLS. PROVIDE DOWEL TAIL SLOT ANCHORS AT CONCRETE COLUMNS.

DYNOLJET RESEARCH
200 ARDEN DRIVE, BELGRADE MT 59714

224 CAR DYNAMOMETER NOTES

MATERIAL: N/A
FINISH: N/A

UNLESS OTHERWISE SPECIFIED:
DECIMAL TOLERANCES
0.01
0.005
0.001
+1/16
ANGULAR TOLERANCES
± 5°

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98219103
03

SHEET 4 OF 6
NOTES, UNLESS OTHERWISE SPECIFIED:

1. ALL DIMENSIONS ARE IN DECIMAL INCHES.
2. REMOVE ALL BURRS & SHARP EDGES.
3. REMOVE ALL TOOLING MARKS.
4. DIMENSIONS & TOLERANCES SHALL BE HELD AFTER PLATING OR FINISH.

VEHICLES TO BE RUN OR LESS DEPENDING ON TYPE OF

8'-10"

9'-8"

2'-0"

4'-6"

6'-0"

14'-8"

15'-8"

GROUND HOOKS
(8 LOCATIONS)

CENTRELINE OF PITS

OPTIMUM FRONT WHEEL INSTALLATION

DYNOJET RESEARCH
200 ARDEN DRIVE, BELGRADE MT 59714

224 CAR DYNAMOMETER
FRONT WHEEL INSTALLATION

MATERIAL: PER PRINT
FINISH: AS SPECIFIED
UNELESS OTHERWISE SPECIFIED:

TOLERANCES
DECIMAL: XXX ± 0.01

FRACTIONAL: ± 1/16

XXX ± 0.005

ANGLES/LAR ± 5

DO NOT SCALE THIS DRAWING

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SHEET 6 OF 6

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REV 03