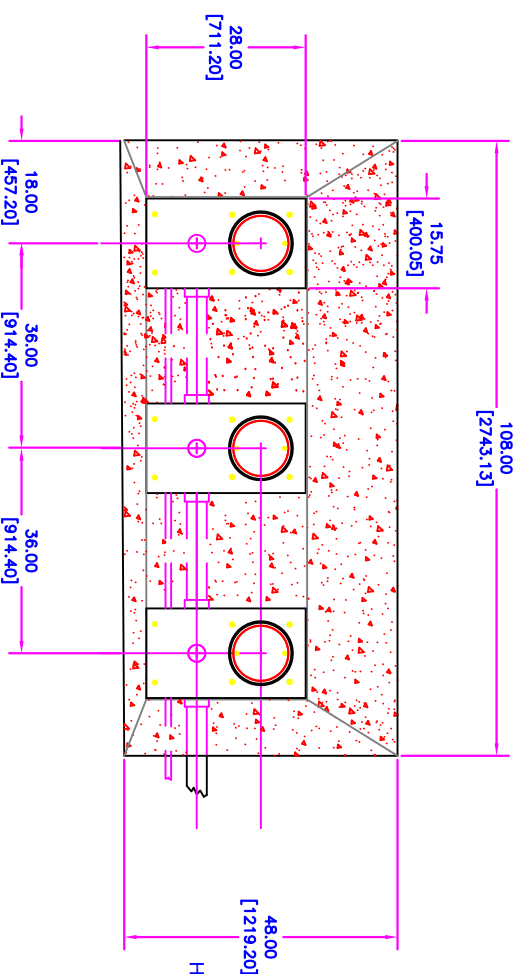
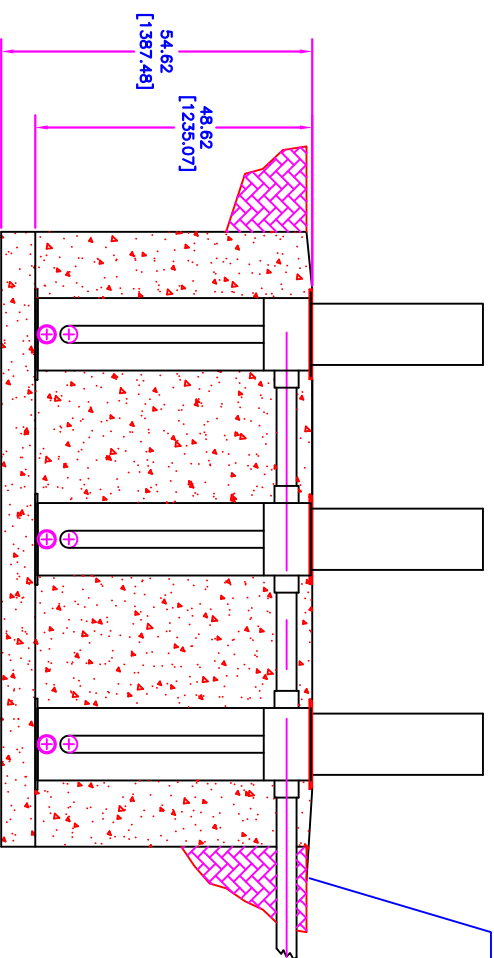


NOTE:
ALL DIMENSIONS
IN INCHES
[ALTERNATE IN METRIC]



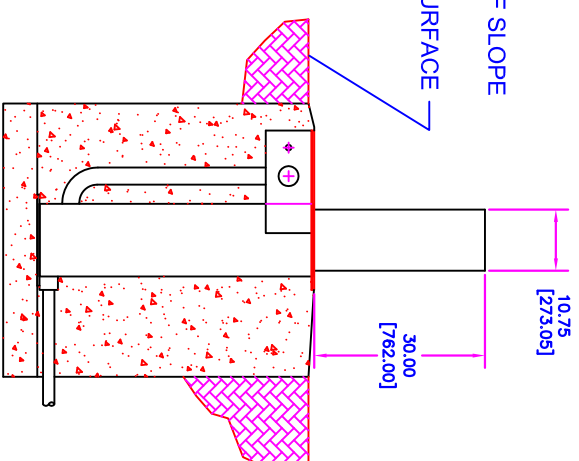
TOP (PLAN) VIEW

DIRECTION OF VEHICLE ATTACK



BEVEL RUN-OFF SLOPE

ROADWAY SURFACE



DIRECTION OF VEHICLE ATTACK



ACTIVE BOLLARD COLUMN

REMOVABLE ANTI-SKID TOP PLATES

INTERCONNECTION BOX WITH
REMOVABLE ANTI-SKID
ACCESS COVER PLATE

BRUSHED CONCRETE SURFACE

BEVELLED FOUNDATION EDGE
AROUND PERIMETER FOR
WATER RUN-OFF

REINFORCED CONCRETE FOUNDATION
STANDARD 1/2 INCH (13mm) REBAR #4
MINIMUM 3000 PSI (20.68 MPa) CONCRETE

HOT DIPPED
GALVANIZED STEEL
BOLLARD CASING

CONCRETE BASE SLAB

BASE PLATE

ELECTRICAL
CONDUIT CONNECTION 1

ELECTRICAL
CONDUIT CONNECTION 2

HYDRAULIC CONDUIT CONNECTION

BOLLARD CASING DRAIN CONNECTION

Notes:

1. The Defender is K4 certified by the U.S. Department of State (DOS).
2. Standard DOS crash rating bollard spacing is not to exceed 36 inches [914mm].
3. Standard configuration with 3 bollards shown. Additional bollard configurations are available.
4. Outer casings are standard hot dipped galvanized for corrosion protection.
5. Black paint is standard. Custom specified paint colors are available
6. Heaters are available for cold weather applications.
7. Hydraulic Power Unit (HPU) and Operator Control Panels are not shown.
8. Weather-proof HPU enclosure is standard.
9. Traffic signal lights, warning lights, vehicle detector loops, and other accessories are available.
10. Construction and installation by others, such as concrete foundation, rebar, roadway surface, conduit, wiring and hydraulic hoses.

PROPRIETARY
INFORMATION



1357 N. Milagro
Tulsa, OK 74116
1-888-253-2421
www.ameristardefense.com

TITLE: DEFENDER 4 VIEW

DATE: SCALE: SHEET: 1/1

DRN BY: CHK BY: XXXXXXXXX REV: 2

DRAWING NO:

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