

THE DAILY NEWS

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SPECIAL EDITION

October 19, 2017

OUR PRODUCTS CAN HELP PREVENT INJURIES & POSSIBLE FATALITIES

"AS OUR WORLD CHANGES AND WITH THE RISKS OF EVENTS HAPPENING, THESE PRODUCTS ARE GOING TO BECOME MUCH MORE IMPORTANT AND NECESSARY"

-CALIFORNIA CITY EMPLOYEE

"CAR JUMPS CURB IN MIDTOWN, INJURES 10 PEDESTRIANS, ONE WOMAN HOSPITALIZED"

-NY DAILY NEWS



"CALIFORNIA FAMILY INJURED WHEN CAR JUMPS CURB AND RUNS INTO BUS STOP BENCH, ONE LIFE LOST."

-CONTRA COSTA TIMES



"WOMAN CHARGED WITH VEHICULAR HOMICIDE, CAR JUMPS CURB HITS PEDESTRIANS"

-SPOKANE, WA

KHQ 6 NEWS

"TERRORISTS CAN USE CARS, TRUCKS AND VANS TO HARM THEIR TARGETS. WHAT IS THE BEST WAY TO KEEP PEDESTRIANS AND STUDENTS SAFE? TRAFFIC OBSTRUCTIONS, BOLLARDS OR POSTS CAN BE INSTALLED TO PREVENT ANY VEHICLE THAT JUMPS THE CURB FROM TRAVELING 20-30 FEET ON A SIDEWALK."

-FOX NEWS (09-03-2017)

KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 50MPH

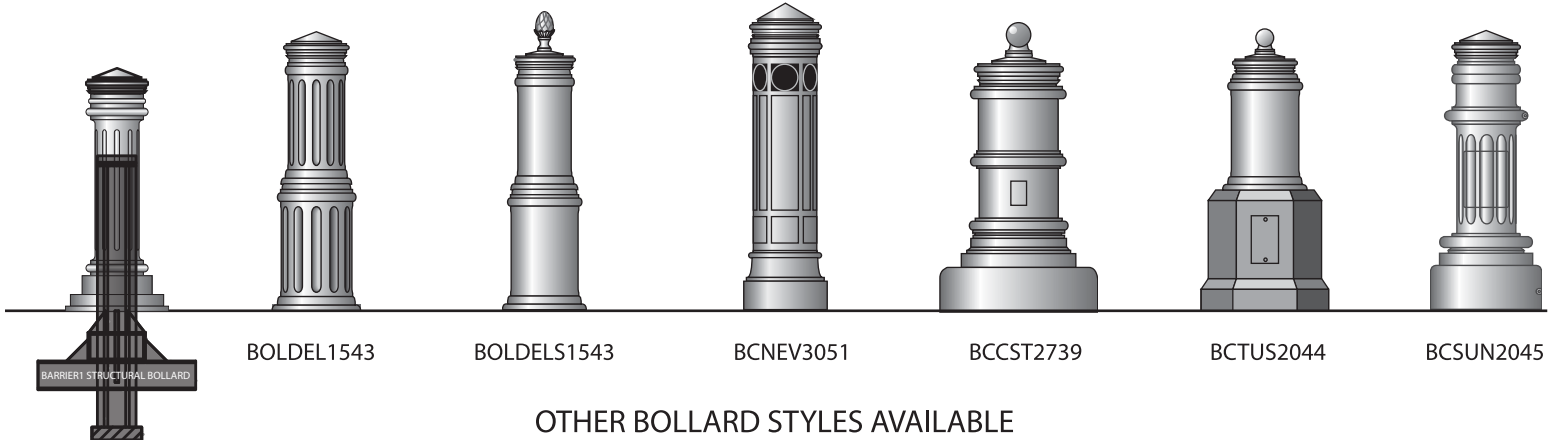
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TWELVE FIFTY FOUR INDUSTRIES

MODEL #: 12BOL-SM-15K50MPH



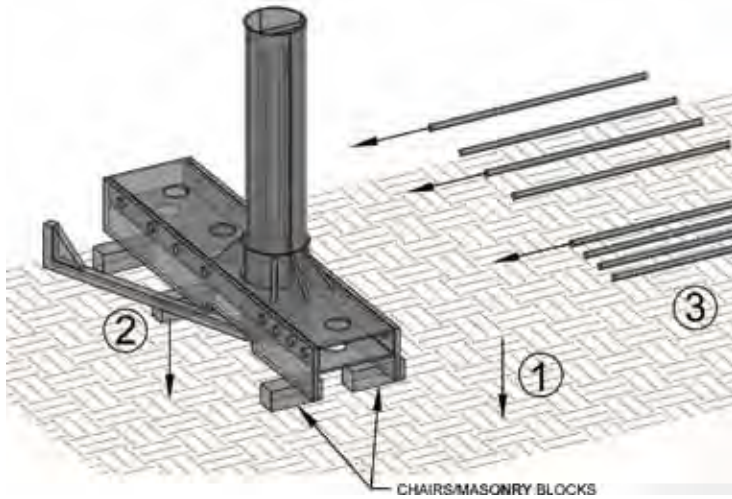
- ◆ Crash tested and certified with ASTM F2656-07 M50 rating (K12).
- ◆ Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List.
- ◆ One single standalone bollard stops 15,000 lb. vehicle at 50 mph with 1.2 meters penetration.
- ◆ 2+ bollard array is ASTM M50 P1 (K12) certified. Vehicle penetration less than 1 meter.
- ◆ Unrestricted bollard spacing (any distance), while maintaining ASTM M50 P1 certification. (fewer bollards results in less costs)
- ◆ Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation).
- ◆ No tying, bolting, welding, assembly, or specialty subgrade required.
- ◆ Excavation 48" wide by 36" deep with 4000 psi concrete.
- ◆ Easy to install with turns and across grade elevation changes using standard bollard.
- ◆ Drawings, submittals, engineering support, and installation instructions with photos are included.
- ◆ Variety of bollard covers are available including stainless steel, plastic, decorative shapes, concrete, lighted covers, and others
- ◆ Bi-directional stopping capability.
- ◆ Removeable bollard configuration is available.
- ◆ Reduce installation time and cost by about 50%
- ◆ Allows for field adjustment.



OTHER BOLLARD STYLES AVAILABLE



INSTALLATION INSTRUCTIONS



① EXCAVATE TO 12" THEN TAMP SUBGRADE WITH PLATE TAMPER

② PLACE SINGLE PREFABRICATED BOLLARD STRUCTURE. USE MASONRY BLOCK OR CHAIRS TO ELEVATE OFF SUBGRADE.

③ INSERT HORIZONTAL REBAR INSIDE HOLES TO INTERCONNECT ADJACENT BOLLARD STRUCTURES.

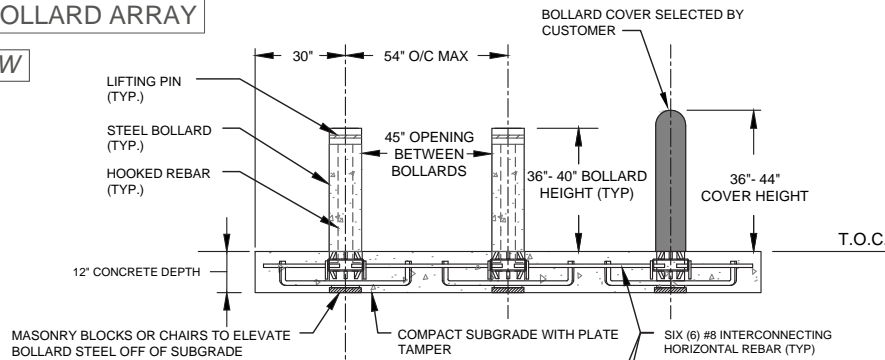
④ POUR AND VIBRATE CONCRETE.

KEY INSTALLATION ADVANTAGES

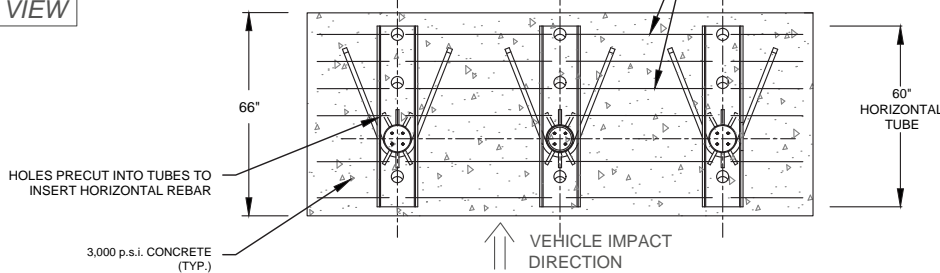
1. NO FIELD WELDING.
2. NO FIELD BOLTING.
3. STEEL BOLLARD IS DELIVERED PREFABRICATED AS ONE UNIT.
4. ACCOMMODATES TURNS AND GRADE CHANGES.
5. ALLOWS FOR FIELD ADJUSTMENTS.
6. REQUIRES ABOUT 1.5 CUBIC YARDS OF 3,000 p.s.i. CONCRETE PER BOLLARD.

TYPICAL BOLLARD ARRAY

FRONT VIEW



TOP VIEW

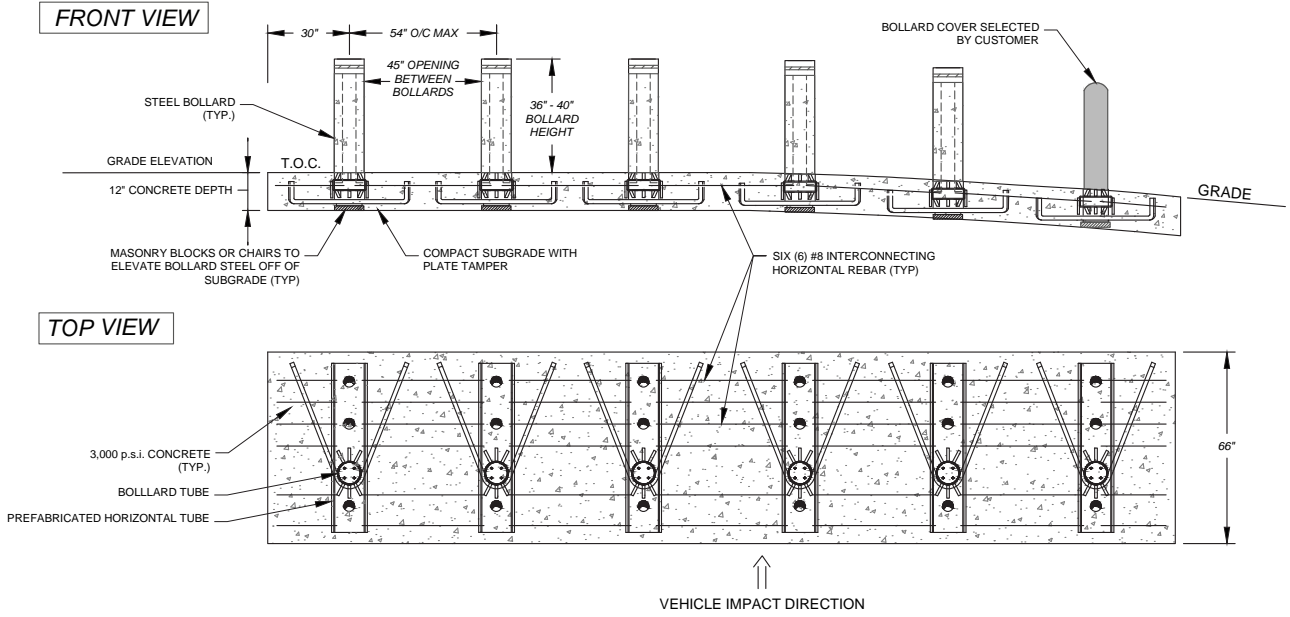


KEY CAPABILITIES

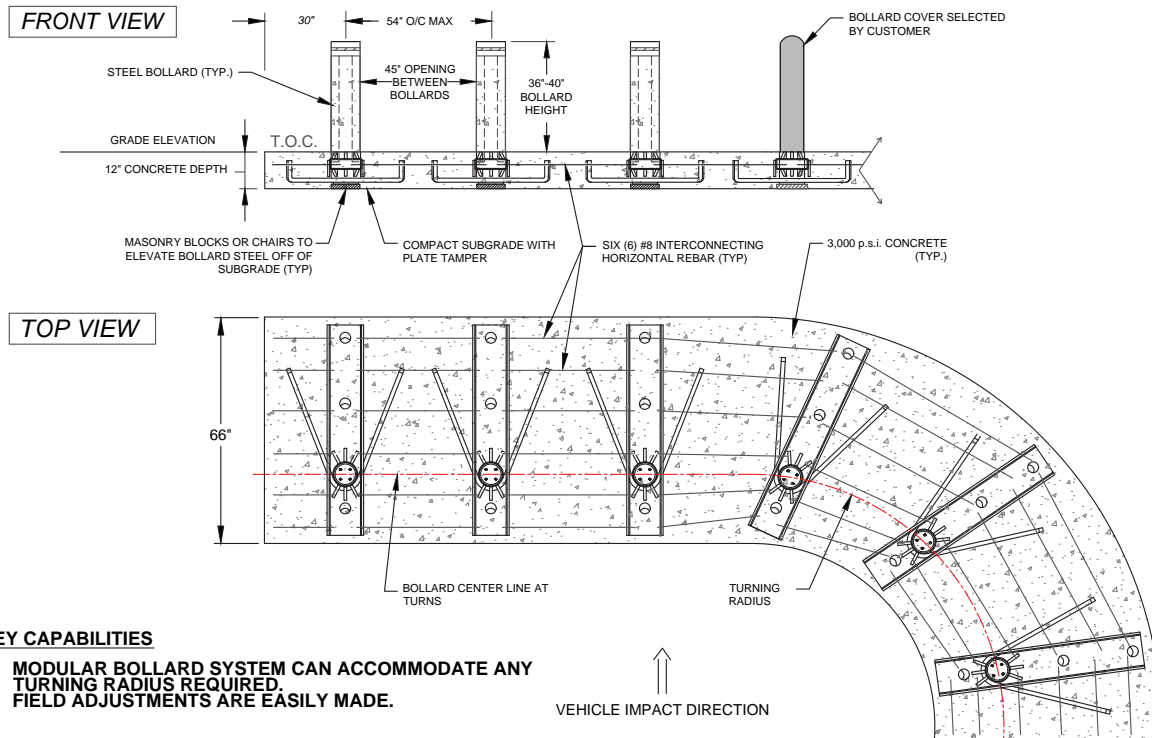
1. SIMPLE AND QUICK INSTALLATION - ONLY TWO (2) PREFABRICATED MODULAR COMPONENTS SLIDE TOGETHER. ADJACENT BOLLARDS ARE CONNECTED BY HORIZONTAL REBARS.
2. ONLY A TAMPED SUB GRADE IS REQUIRED (NO GRAVEL OR CONCRETE MUD PAD).
3. SHALLOW FOUNDATION AVOIDS UNDERGROUND UTILITIES.
4. NO FIELD WELDING OR BOLTING (REDUCES INSTALLATION TIME AND COST).
5. MODULAR BOLLARD SYSTEM ACCOMMODATES TURNS, GRADE CHANGES, AND FIELD ADJUSTMENTS.
6. NO STIRRUPS OR REBAR TYING IS NEEDED. HORIZONTAL REBAR SLIDES INTO PREDRILLED HOLES.
7. NO SPECIALTY BOLLARDS, COMPONENTS, OR PARTS REQUIRED TO MAKE TURNS OR ACROSS GRADE CHANGES.

INSTALLATION INSTRUCTIONS (cont.)

BOLLARD INSTALLATION ACROSS GRADE CHANGE



BOLLARD INSTALLATION WITH TURN



KEY CAPABILITIES

1. MODULAR BOLLARD SYSTEM CAN ACCOMMODATE ANY TURNING RADIUS REQUIRED.
2. FIELD ADJUSTMENTS ARE EASILY MADE.

KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH

1254

TWELVE FIFTY FOUR INDUSTRIES

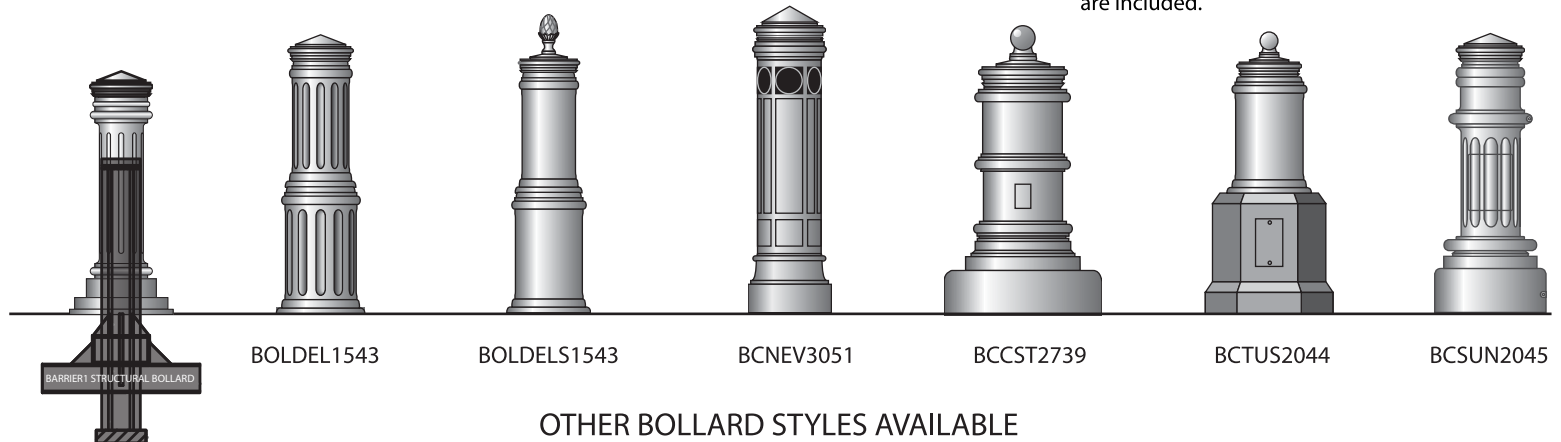
MODEL #: 12BOL-SP-15K30MPH



- ◆ Crash tested and certified with ASTM F2656-07 M30 P1 rating (K4).
- ◆ Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List.
- ◆ One single standalone bollard stops 15,000 lb. vehicle at 30 mph within 1 meter penetration.
- ◆ Unrestricted bollard spacing (any distance), while maintaining ASTM M30 P1 certification. (fewer bollards results in less costs)

- ◆ Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation).
- ◆ No tying, bolting, welding, assembly, or specialty subgrade required.
- ◆ Excavation 30" wide by 36" deep with 3000 psi concrete.
- ◆ Easy to install with turns and across grade elevation changes using standard bollard.

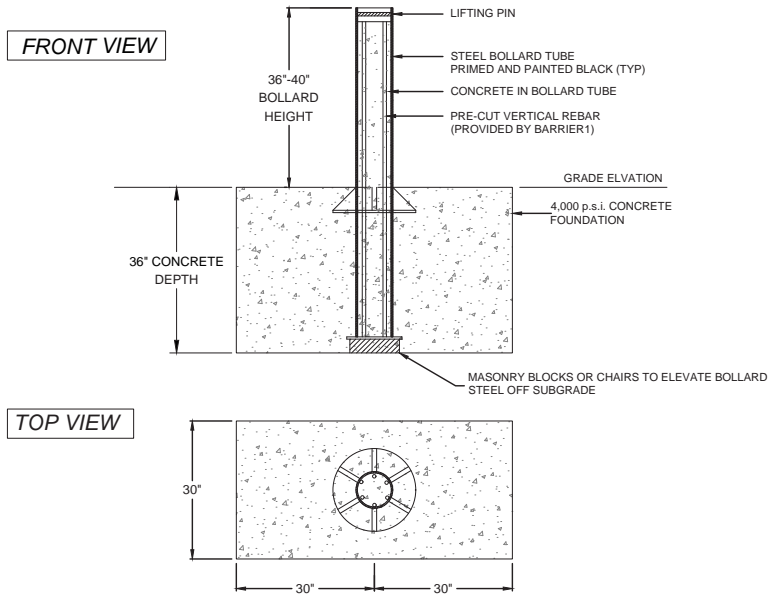
- ◆ Allows for field adjustment.
- ◆ Reduce installation time and cost by about 50%.
- ◆ Bi-directional stopping capability.
- ◆ Removeable bollard configuration is available.
- ◆ Variety of bollard covers are available including stainless steel, plastic, decorative shapes, concrete, lighted covers, and others
- ◆ Drawings, submittals, engineering support, and installation instructions with photos are included.



OTHER BOLLARD STYLES AVAILABLE



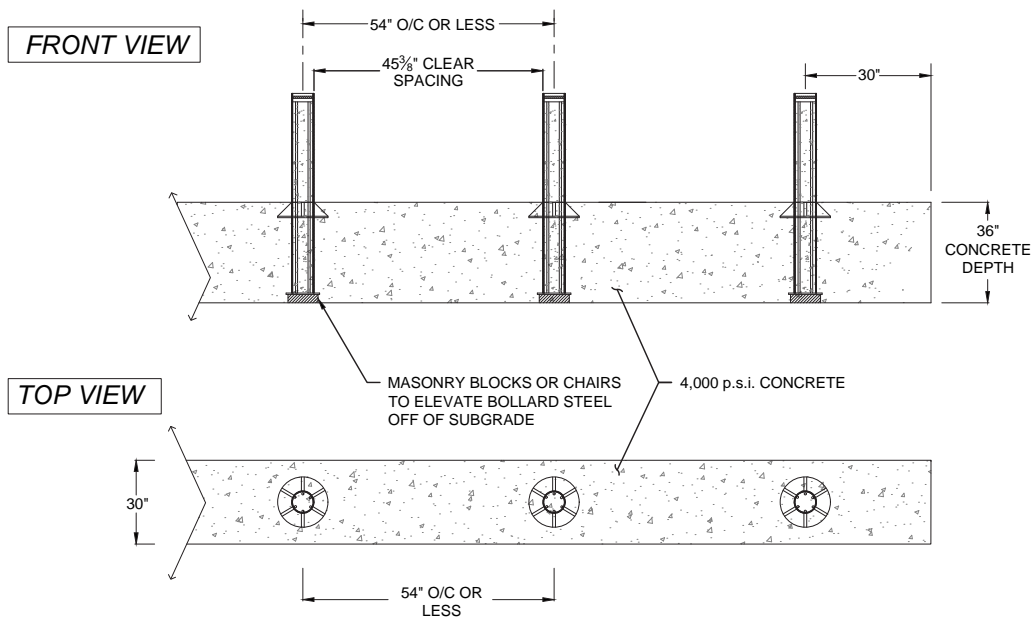
INSTALLATION INSTRUCTIONS



KEY CAPABILITIES

1. NO PLACING & TYING REBAR IN CONCRETE FOUNDATION. NO FIELD WELDING.
2. ONE (1) SINGLE PREFABRICATED BOLLARD UNIT.
3. QUICK INSTALLATION (EXCAVATE, THEN SET BOLLARD & POUR CONCRETE).
4. AVOIDS EXCAVATIONS BEING OPEN OVERNIGHT (SET & POUR BOLLARD ARRAY IN 1 DAY).
5. UNRESTRICTED BOLLARD SPACING (ONE BOLLARD STOPS VEHICLE IMPACT).

TYPICAL BOLLARD ARRAY INSTALLATION



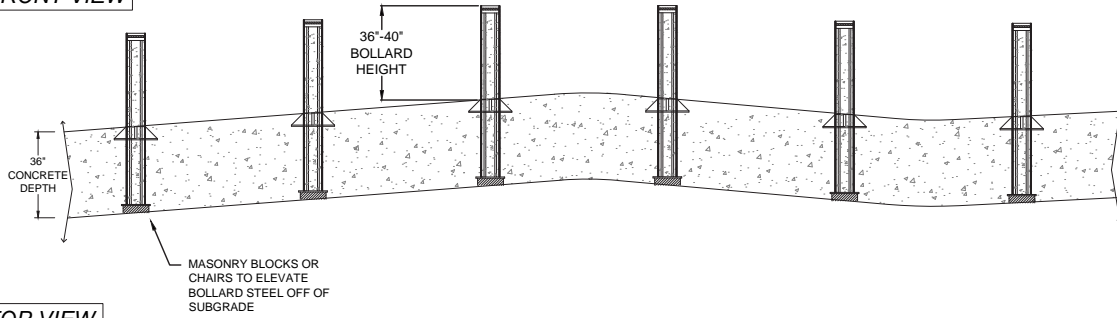
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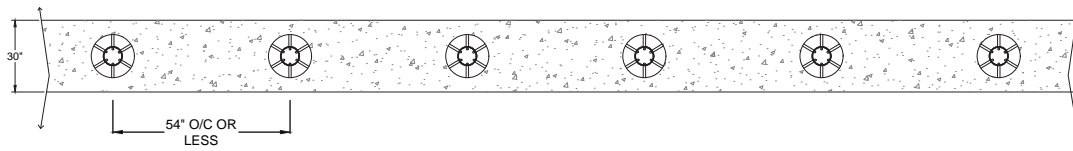
INSTALLATION INSTRUCTIONS (cont.)

BOLLARD INSTALLATION ACROSS GRADE CHANGES

FRONT VIEW

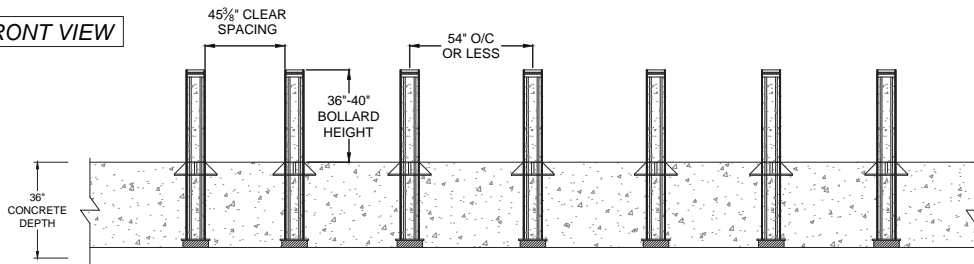


TOP VIEW

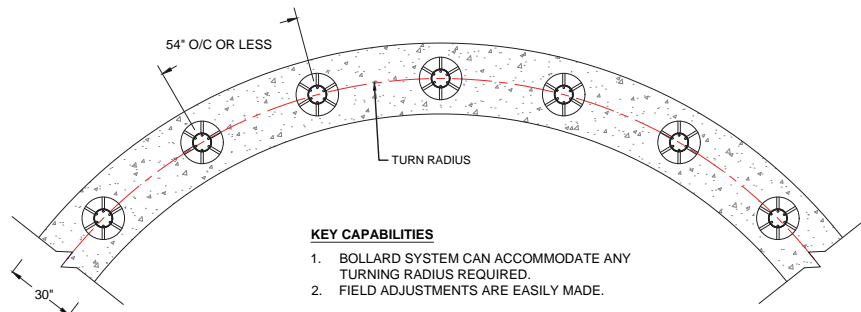


BOLLARD INSTALLATION WITH TURN

FRONT VIEW



TOP VIEW



KEY CAPABILITIES

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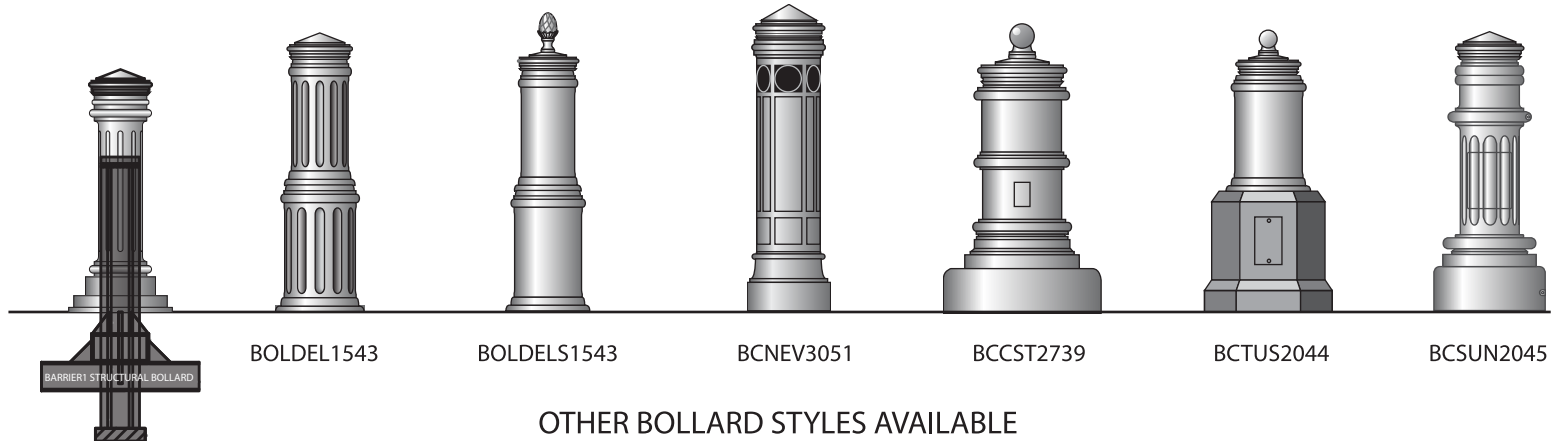
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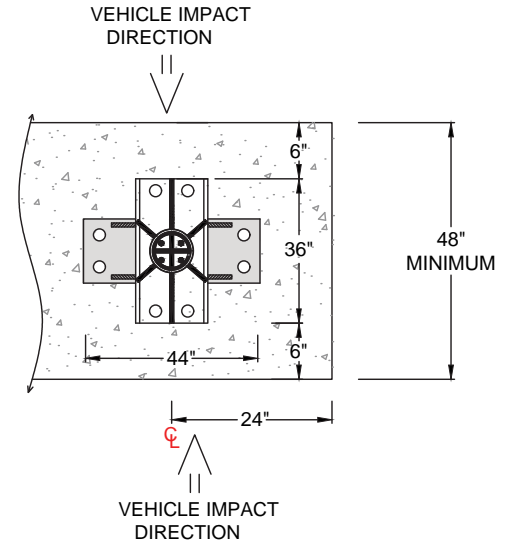
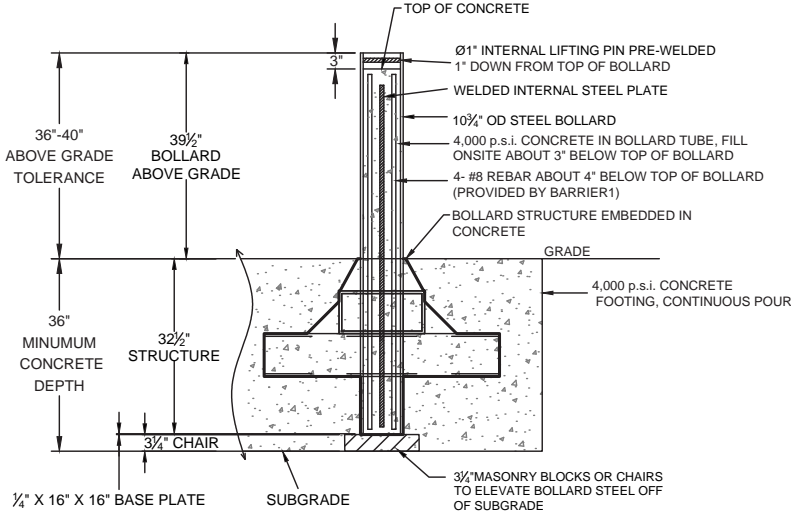


OTHER BOLLARD STYLES AVAILABLE

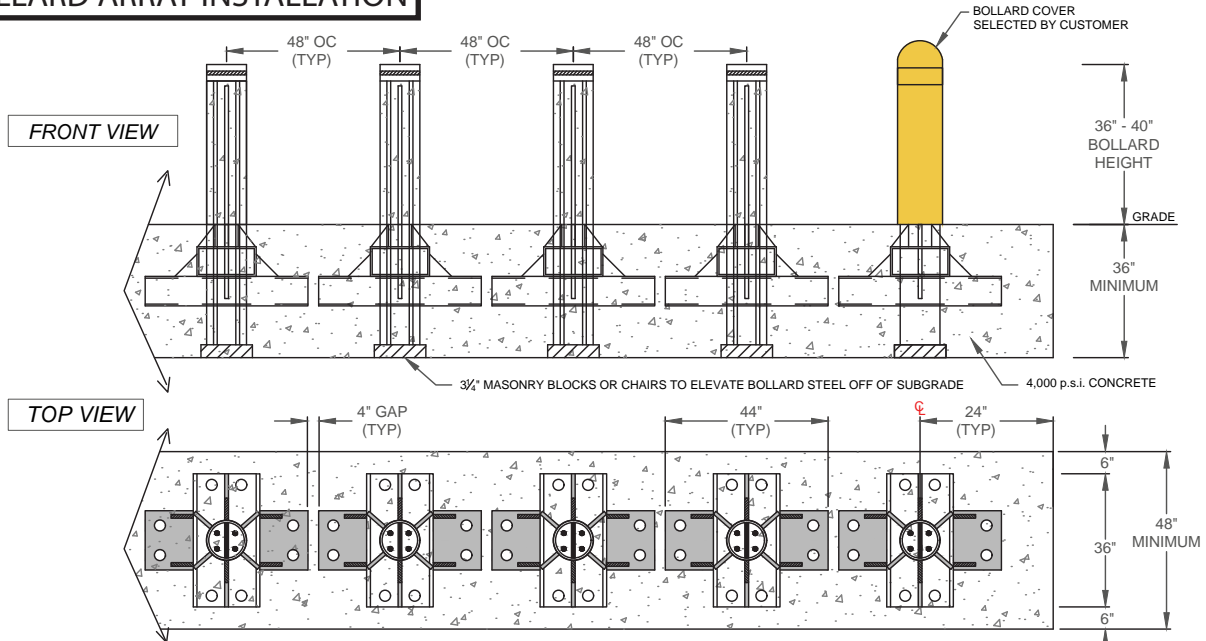


INSTALLATION INSTRUCTIONS

FIXED BOLLARDS (PREFABRICATED)



TYPICAL BOLLARD ARRAY INSTALLATION

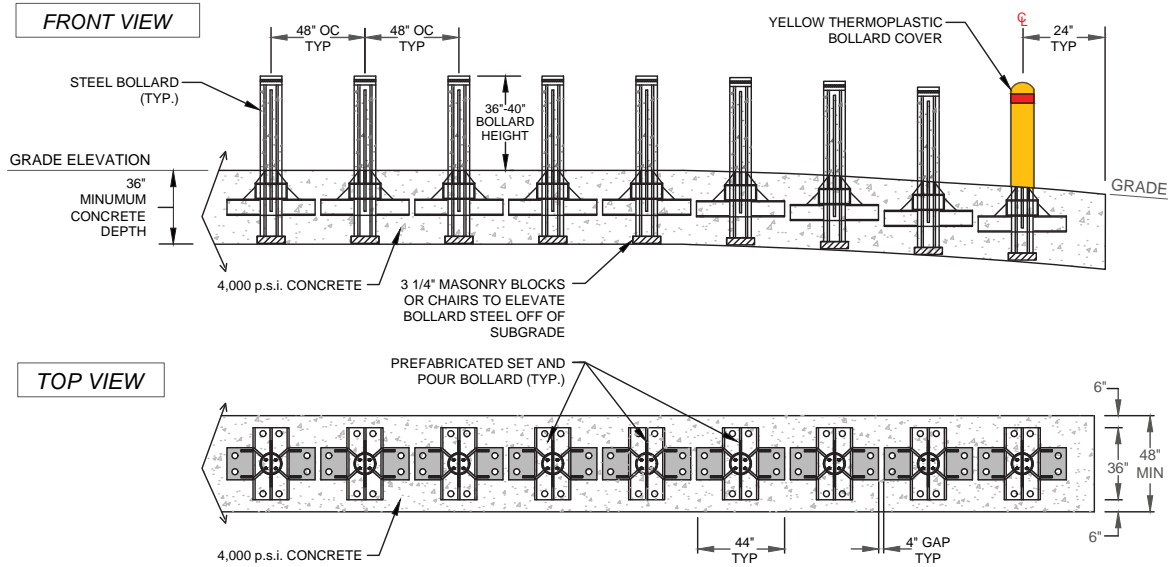


KEY CAPABILITIES

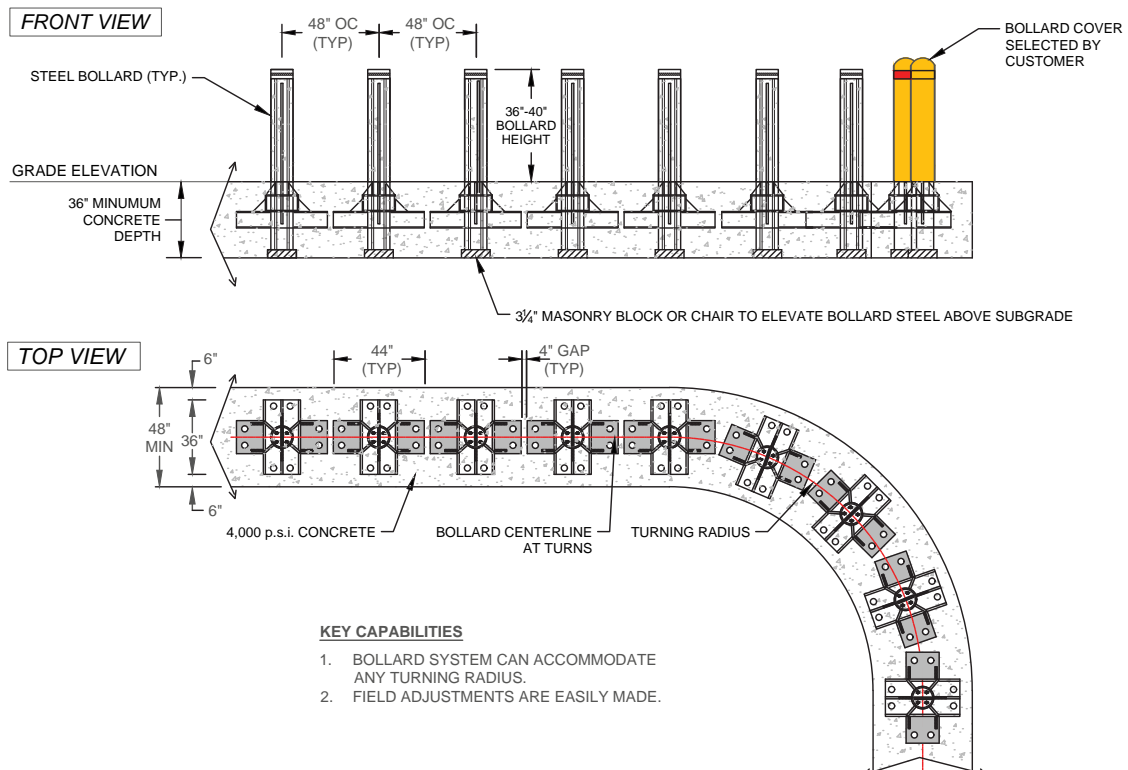
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3. QUICK INSTALLATION (EXCAVATE, THEN SET BOLLARD & POUR CONCRETE).
4. AVOIDS EXCAVATIONS BEING OPEN OVERNIGHT (SET & POUR BOLLARD ARRAY IN 1 DAY).
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BOLLARD INSTALLATION ACROSS GRADE CHANGES



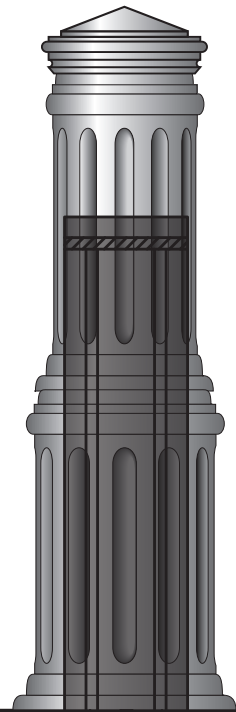
BOLLARD INSTALLATION WITH TURN



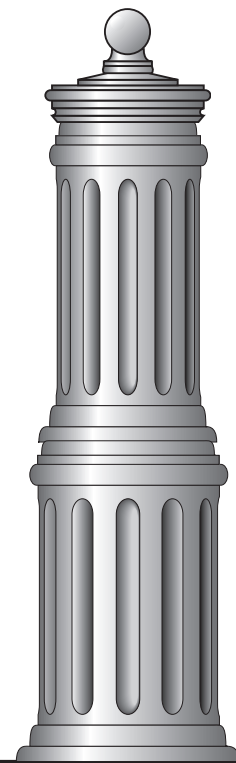


KEEP PEDESTRIANS AND STUDENTS SAFE

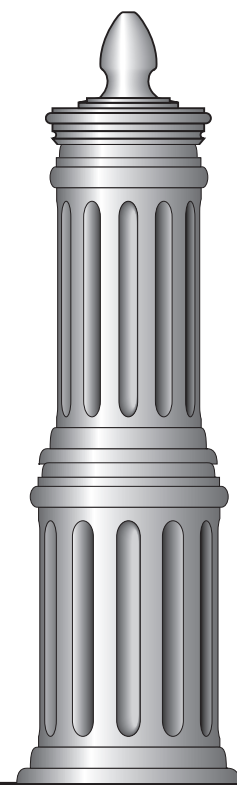
PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



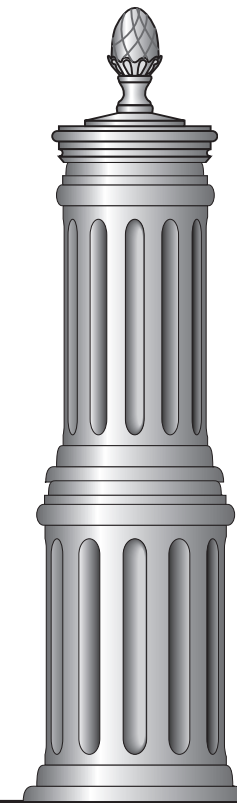
**BOLDEL1543
PCR-Y**



**BOLDEL1543
PCR-B**



**BOLDEL1543
PCR-H**



**BOLDEL1543
PCR-P**

BARRIER1 STRUCTURAL BOLLARD

DELMAR BOL 1543 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

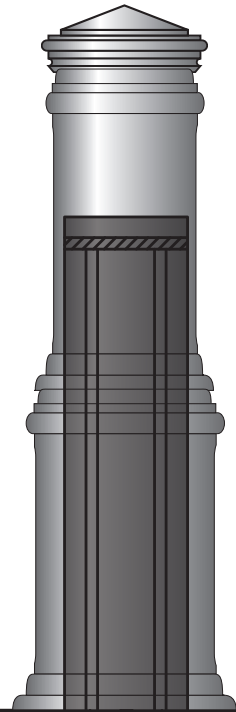
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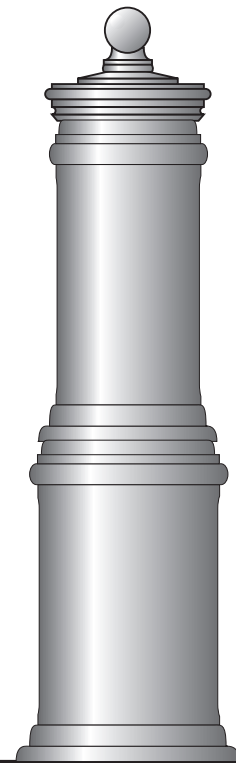


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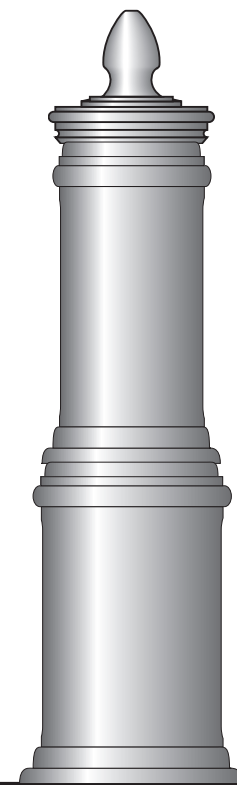
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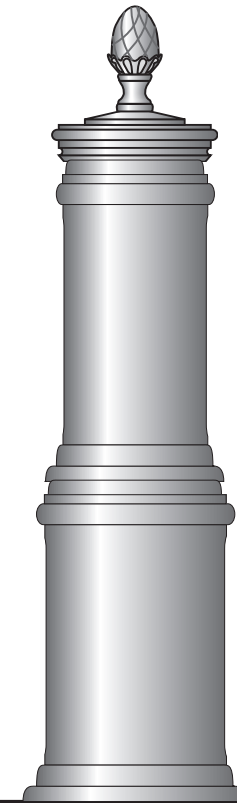
**BOLDELS1543
PCR-Y**



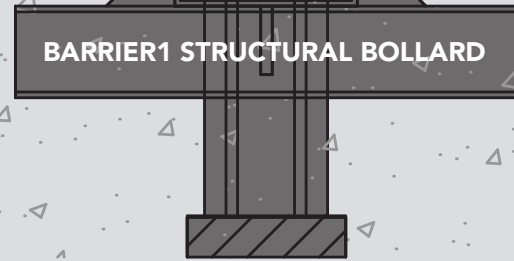
**BOLDELS1543
PCR-B**



**BOLDELS1543
PCR-H**



**BOLDELS1543
PCR-P**



DELMAR SMOOTH BOL 1543 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

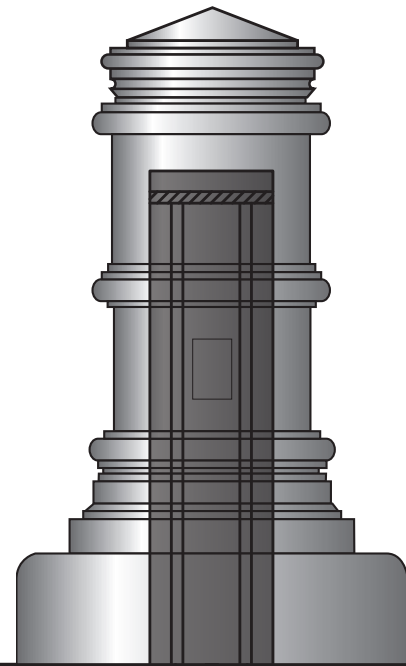
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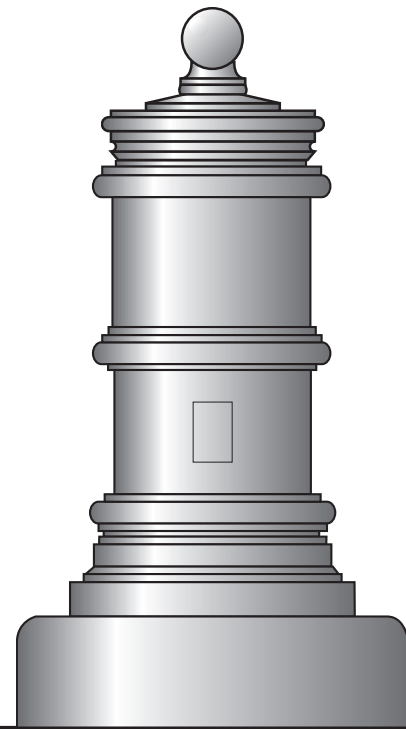


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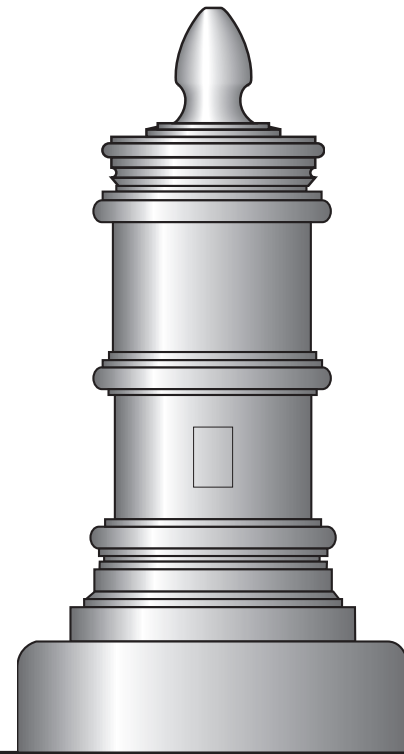
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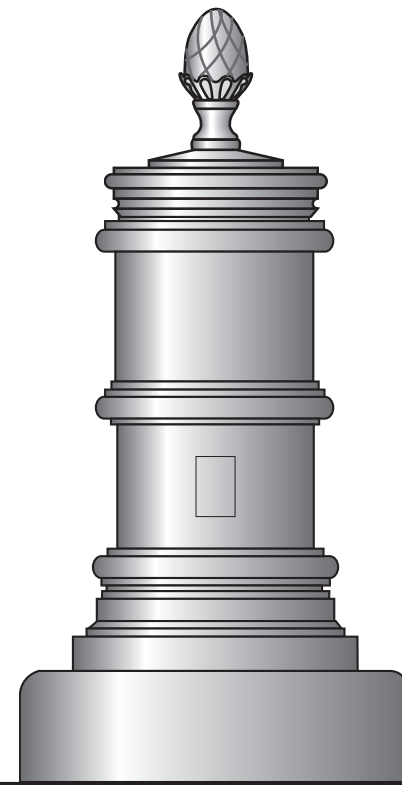
BCCST2739
PCR-Y



BCCST2739
PCR-B



BCCST2739
PCR-H



BCCST2739
PCR-P

BARRIER1 STRUCTURAL BOLLARD

COAST BOL 2739 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

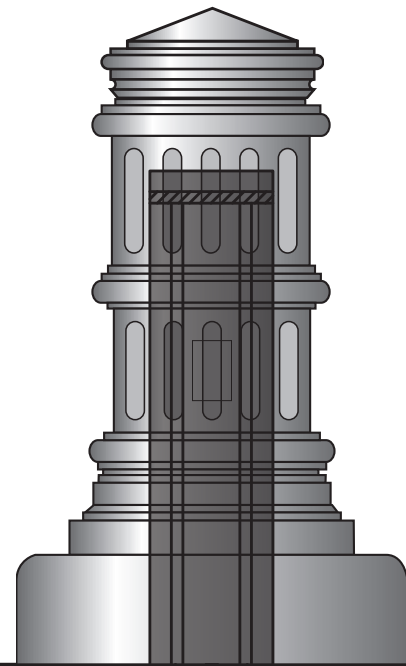
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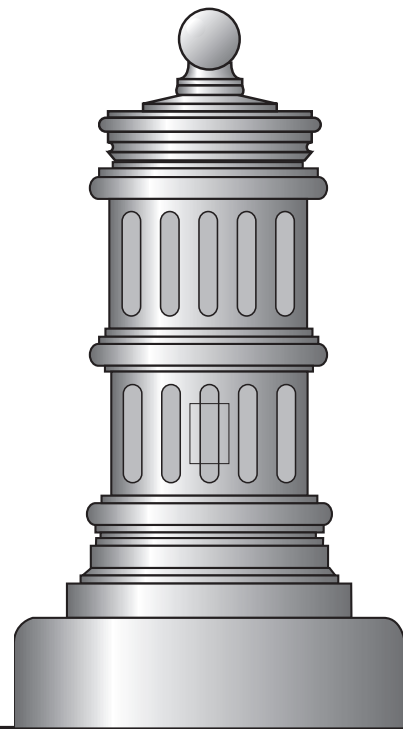


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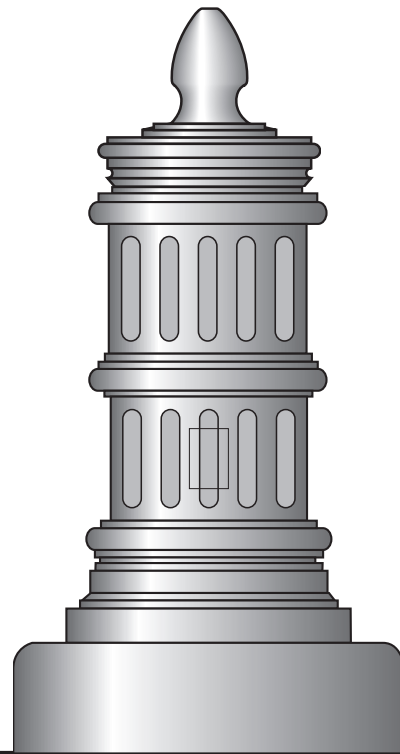
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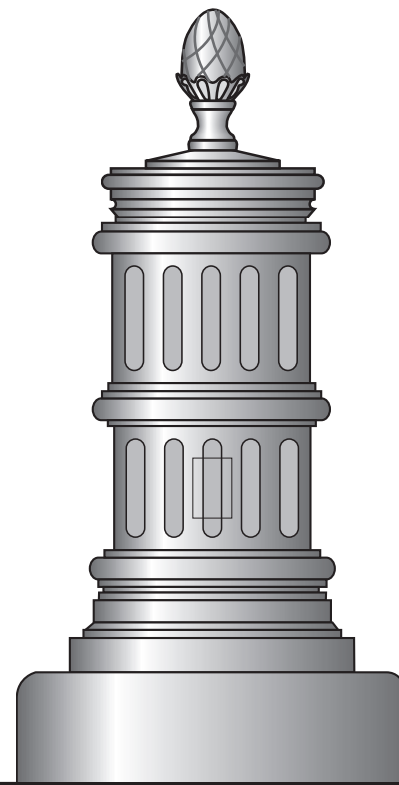
**BCLAG2739
PCR-Y**



**BCLAG2739
PCR-B**



**BCLAG2739
PCR-H**



**BCLAG2739
PCR-P**

BARRIER1 STRUCTURAL BOLLARD

LAGUNA BOL 2739 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

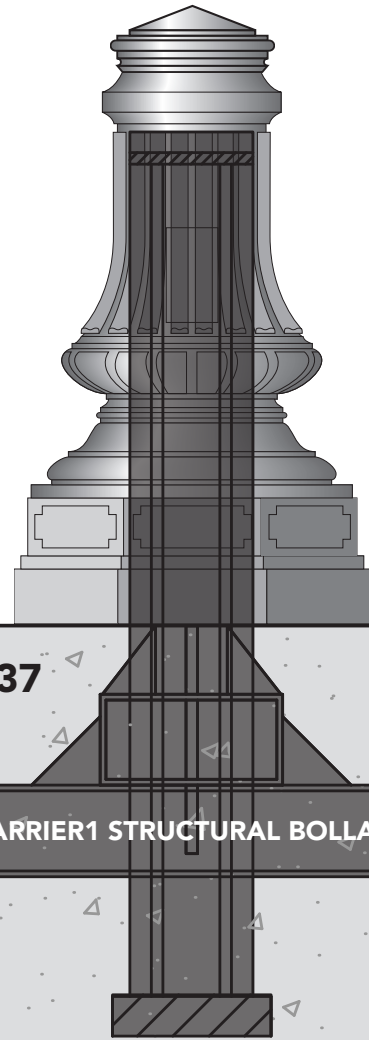
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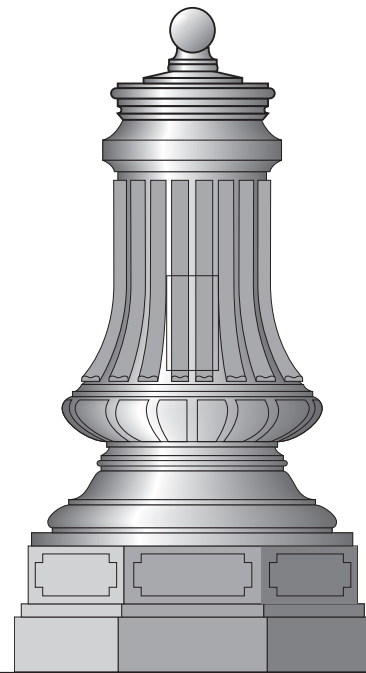


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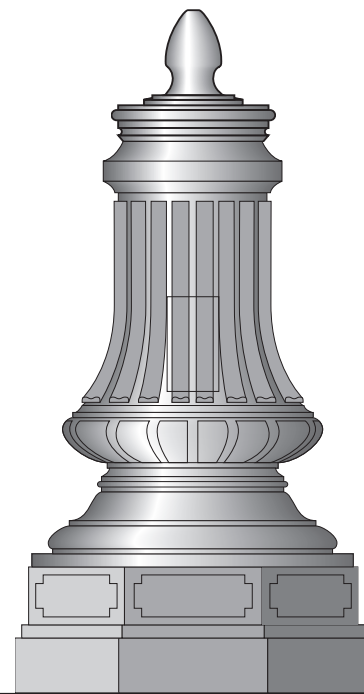
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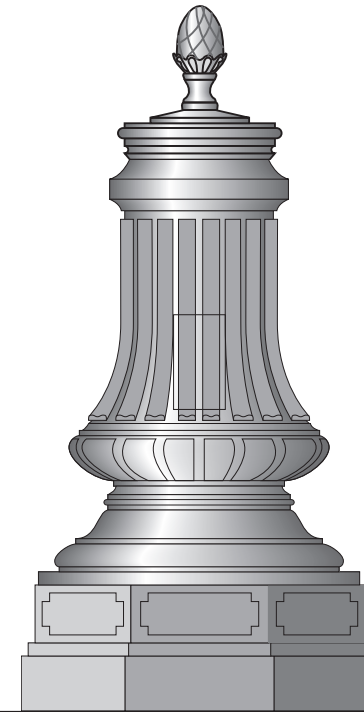
BCWAO2537
PCR-Y



BCWAO2537
PCR-B



BCWAO2537
PCR-H



BCWAO2537
PCR-P

BARRIER1 STRUCTURAL BOLLARD

WASHINGTON OCTAGONAL BOL 2537 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

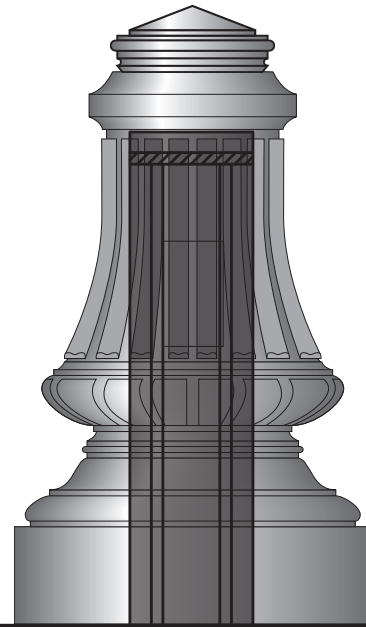
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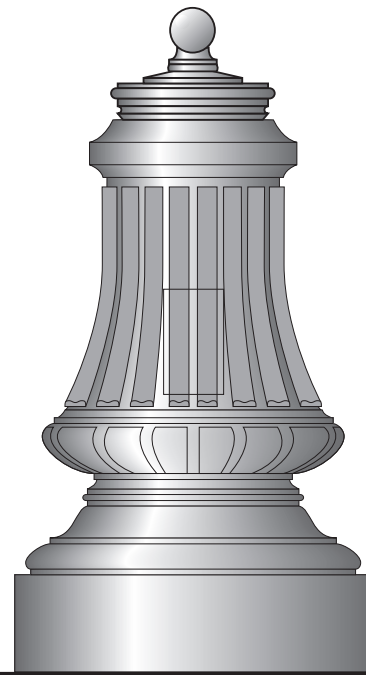


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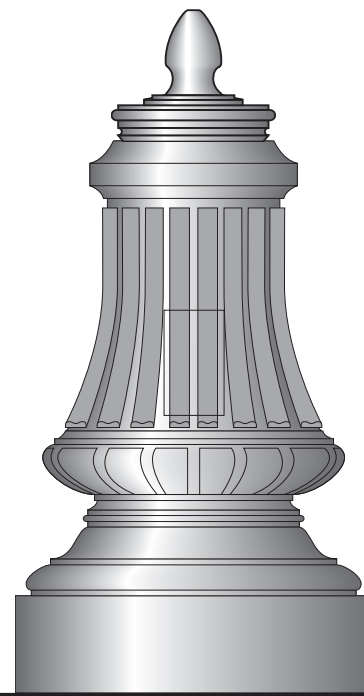
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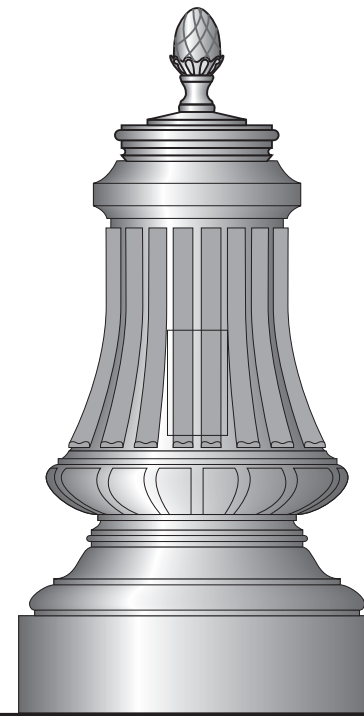
BCWAR2537
PCR-Y



BCWAR2537
PCR-B



BCWAR2537
PCR-H



BCWAR2537
PCR-P

BARRIER1 STRUCTURAL BOLLARD

WASHINGTON ROUND BOL 2537 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

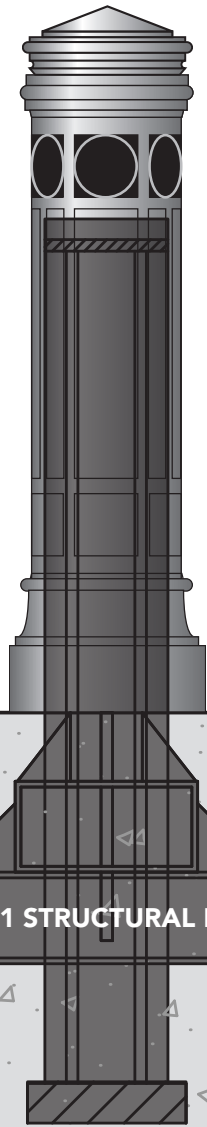
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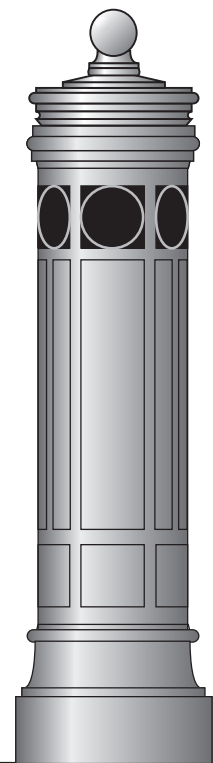


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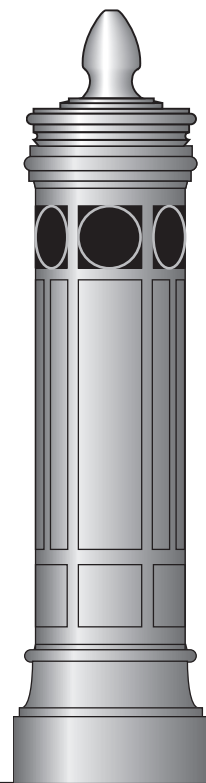
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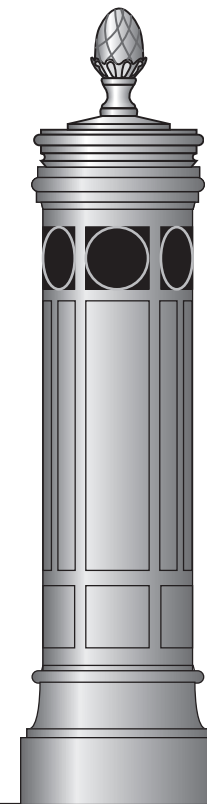
BCNEV3051
PCR-Y



BCNEV3051
PCR-B



BCNEV3051
PCR-H



BCNEV3051
PCR-P

BARRIER1 STRUCTURAL BOLLARD

NEVADA BOL 305 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

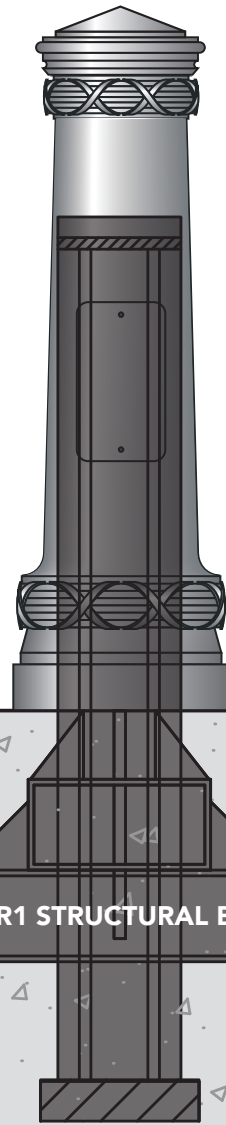
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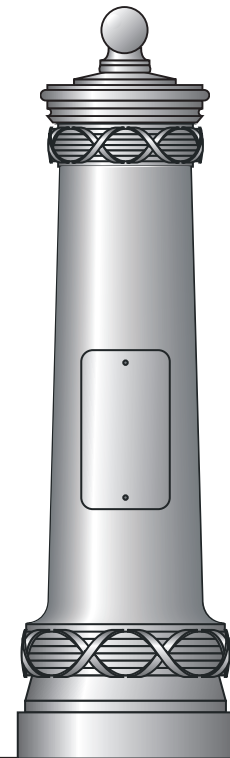


KEEP PEDESTRIANS AND STUDENTS SAFE

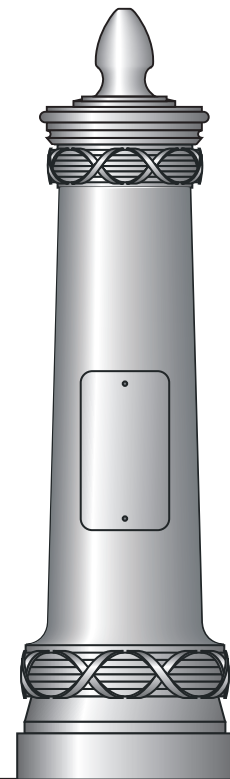
PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



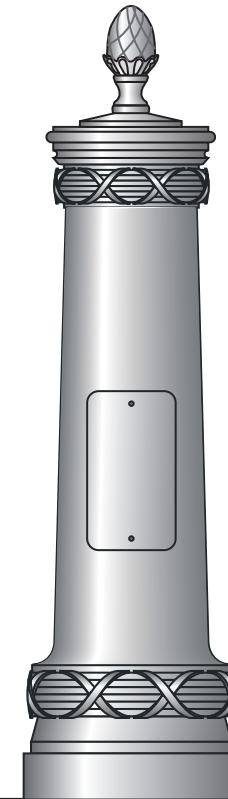
**BOL715NL
PCR-Y**



**BOL715NL
PCR-B**



**BOL715NL
PCR-H**



**BOL715NL
PCR-P**

BARRIER1 STRUCTURAL BOLLARD

HAMPTON BOL 715 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

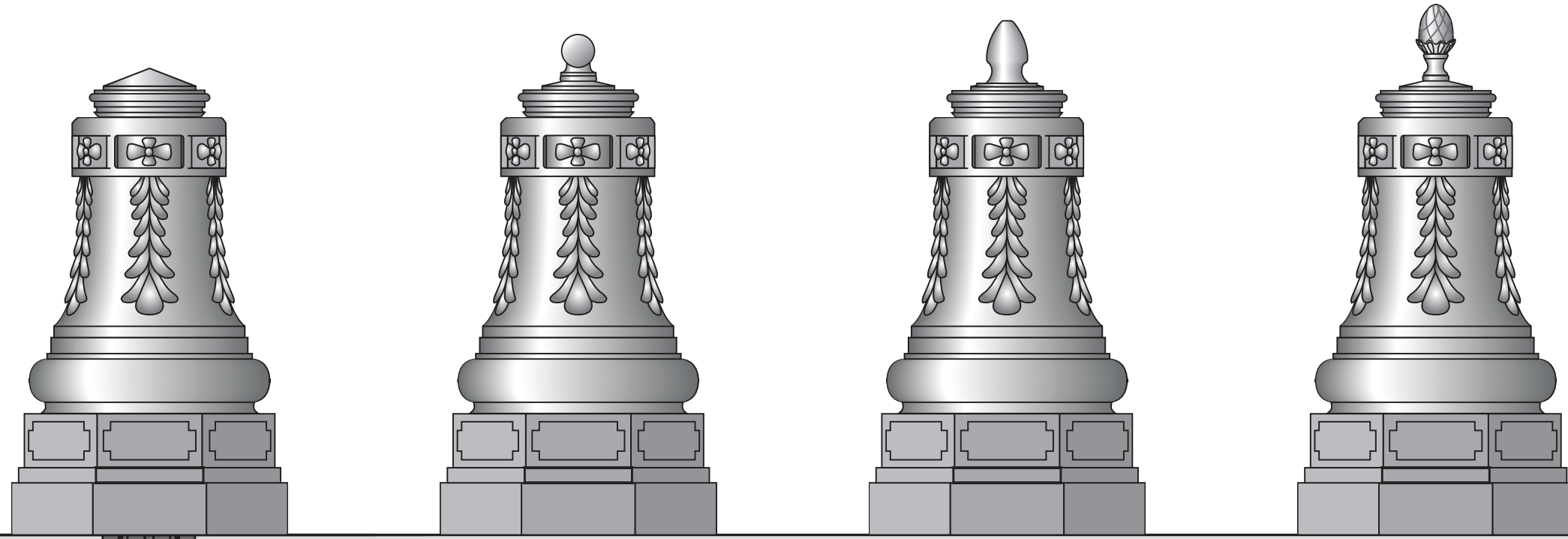
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KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH

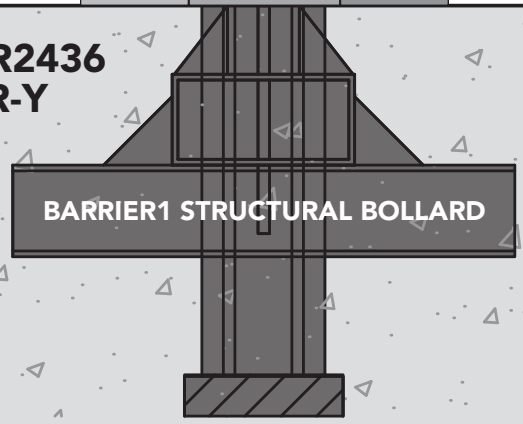


BCCOR2436
PCR-Y

BCCOR2436
PCR-B

BCCOR2436
PCR-H

BCCOR2436
PCR-P



CORSICAN OCTAGONAL BOL SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

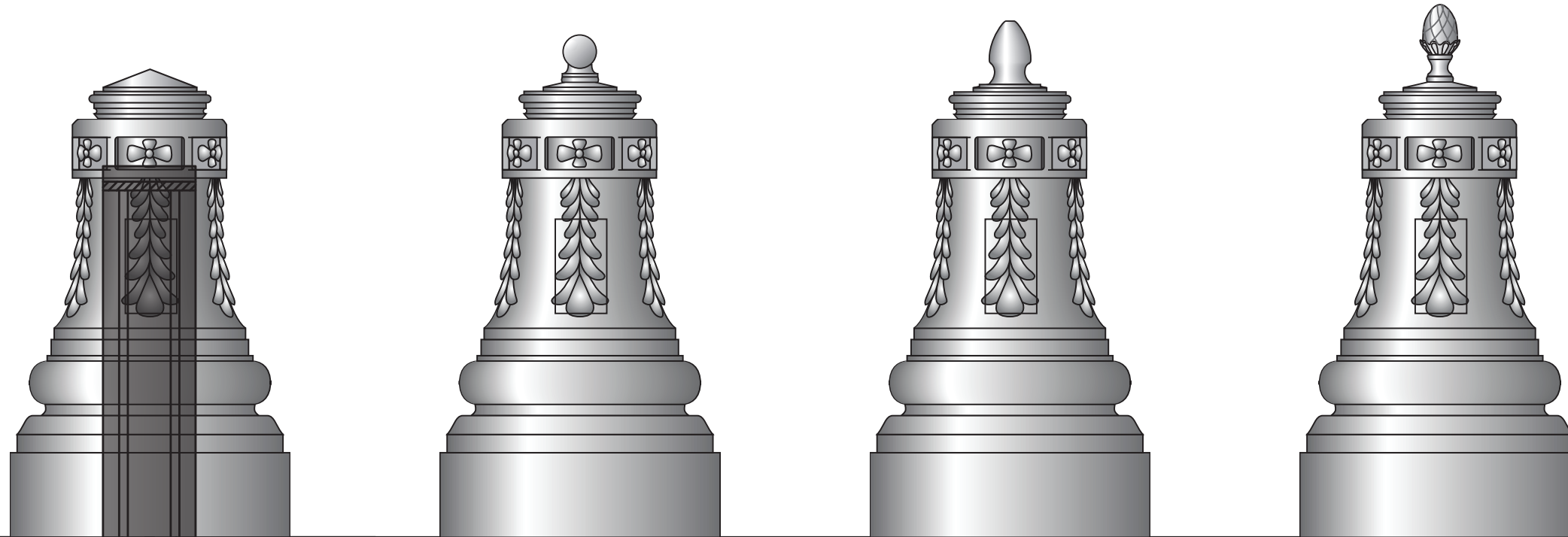
APPROVED BY DEPT OF DEFENSE (DOD) & HOMELAND SECURITY





KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



BCCOR2436
PCR-Y

BCCOR2436
PCR-B

BCCOR2436
PCR-H

BCCOR2436
PCR-P

BARRIER1 STRUCTURAL BOLLARD

CORSICAN ROUND BOL SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

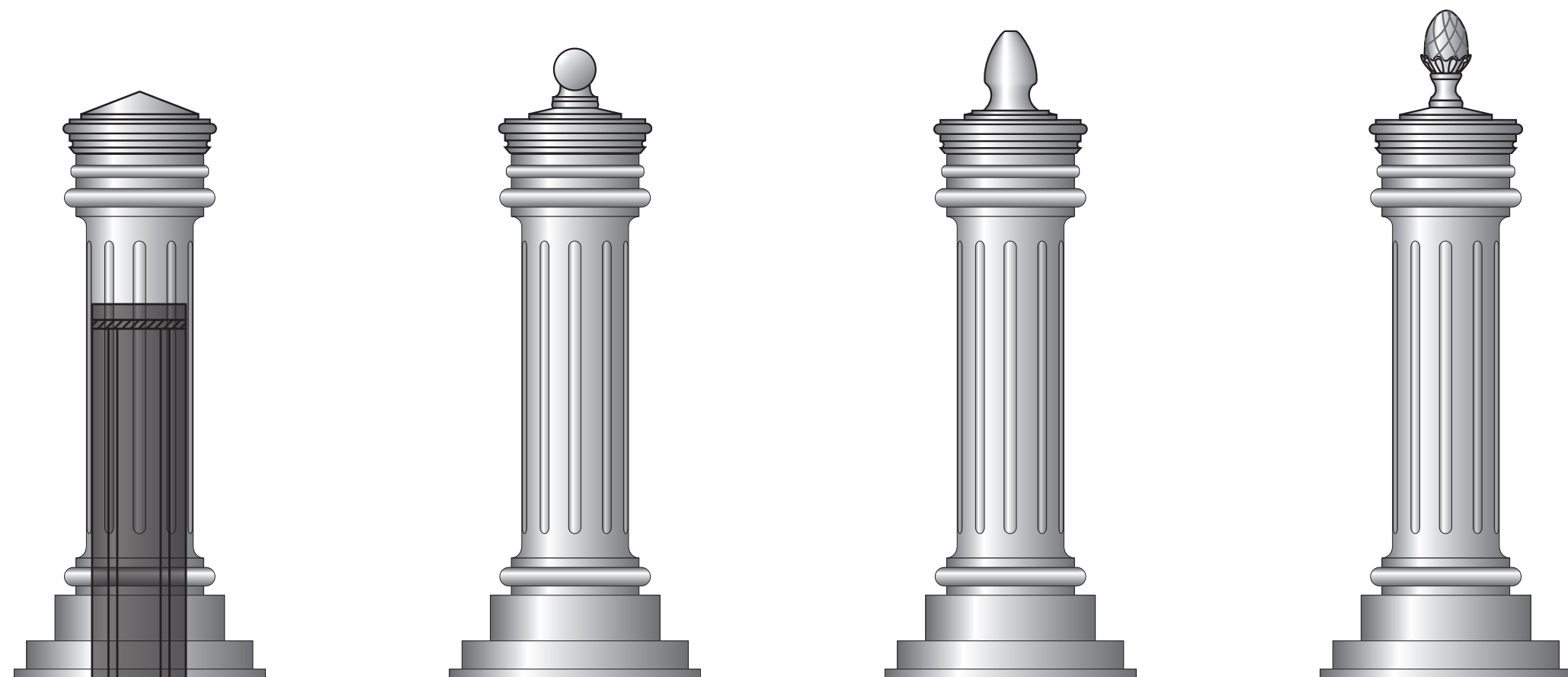
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KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



**BOL5030NL
PCR-Y**

**BOL5030NL
PCR-B**

**BOL5030NL
PCR-H**

**BOL5030NL
PCR-P**

BARRIER1 STRUCTURAL BOLLARD

ANAHEIM BOL 5030 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

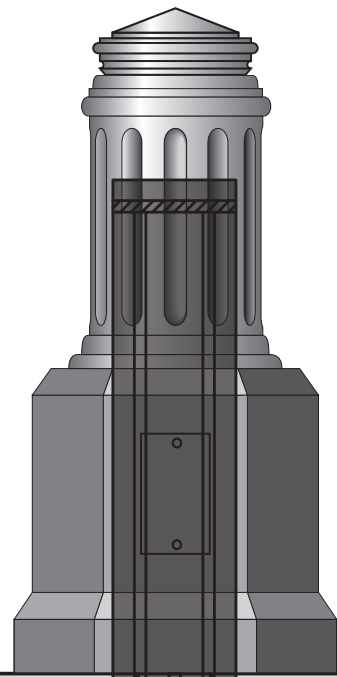
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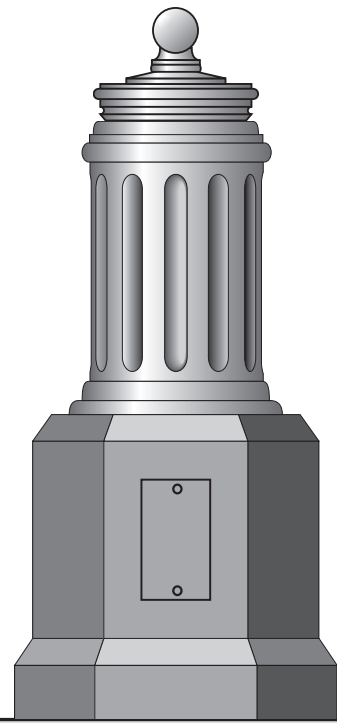


KEEP PEDESTRIANS AND STUDENTS SAFE

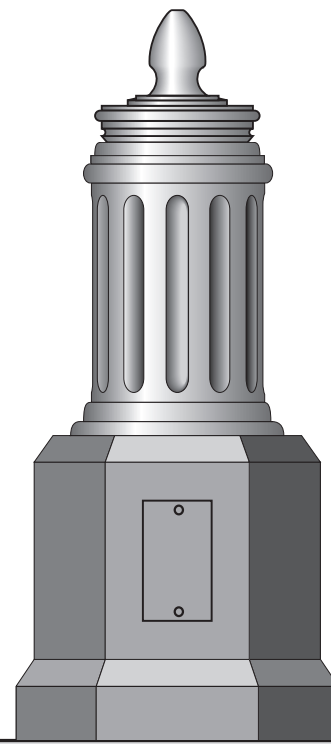
PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



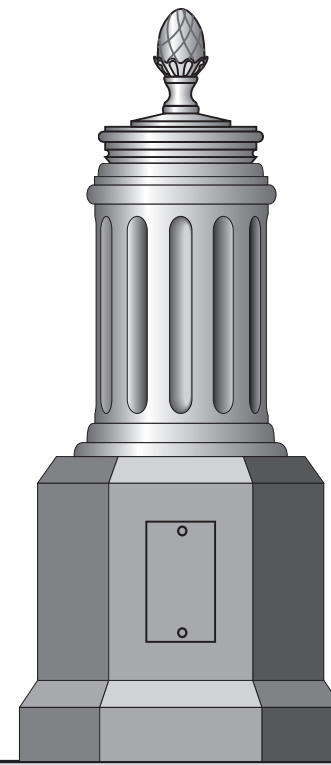
**BCTUS2044
PCR-Y**



**BCTUS2044
PCR-B**



**BCTUS2044
PCR-H**



**BCTUS2044
PCR-P**

BARRIER1 STRUCTURAL BOLLARD

TUSTIN HEXAGON FLUTED BOL 2044 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

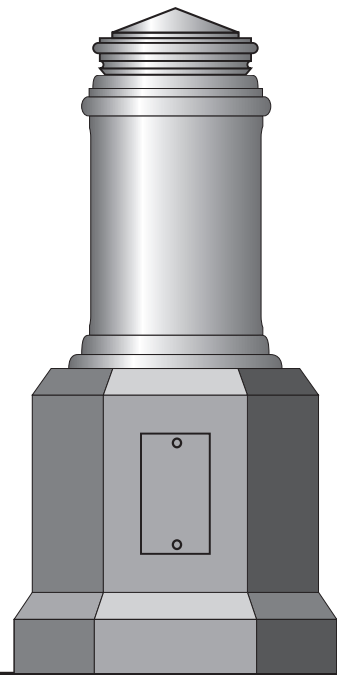
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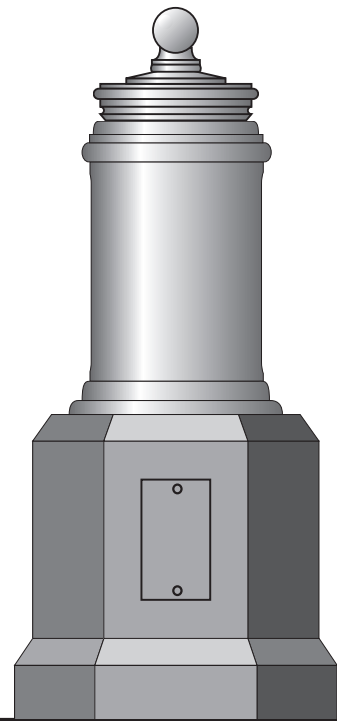


KEEP PEDESTRIANS AND STUDENTS SAFE

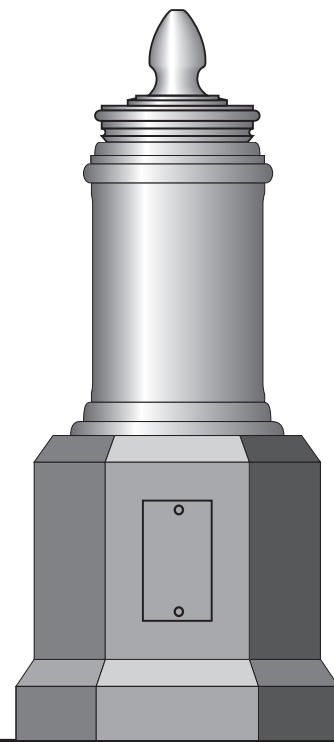
PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



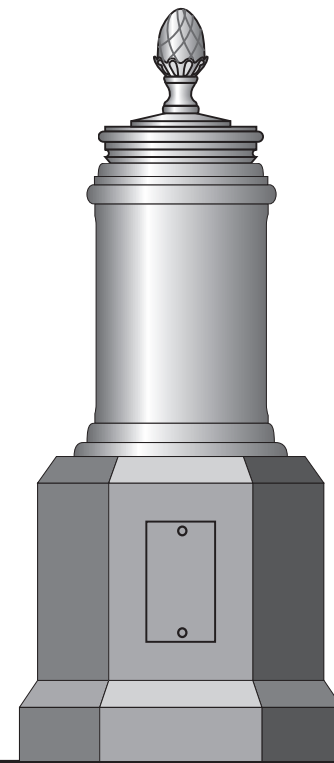
BCTUS2044
PCR-Y



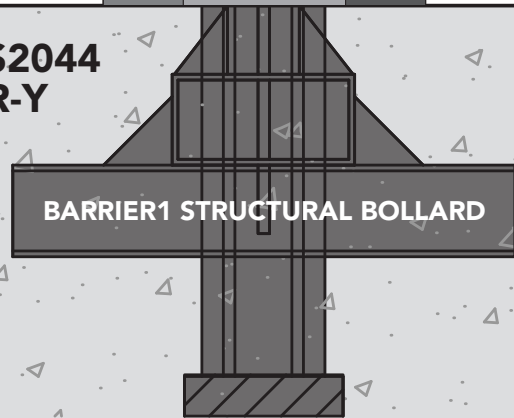
BCTUS2044
PCR-B



BCTUS2044
PCR-H



BCTUS2044
PCR-P



BARRIER1 STRUCTURAL BOLLARD

TUSTIN HEXAGON SMOOTH BOL 2044 SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

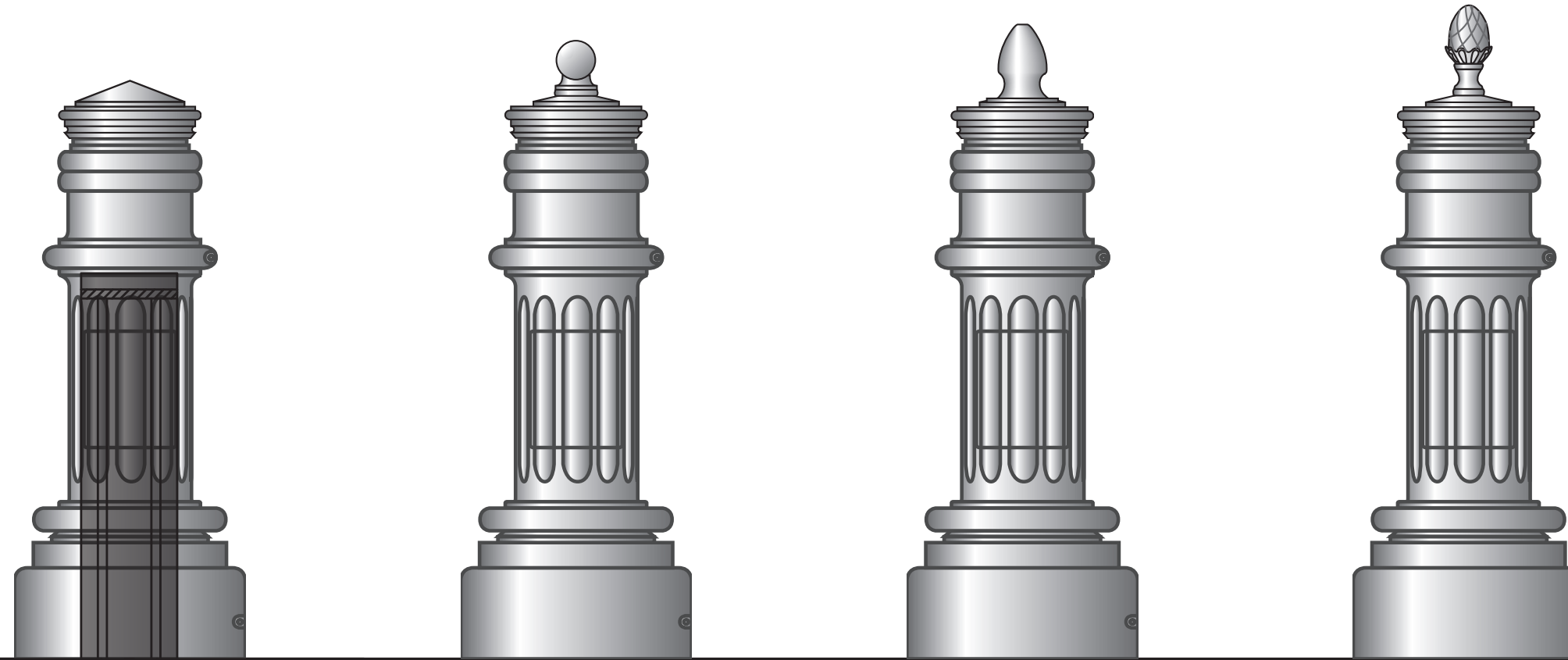
APPROVED BY DEPT OF DEFENSE (DOD) & HOMELAND SECURITY





KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



BCSUN2045
PCR-Y

BCSUN2045
PCR-B

BCSUN2045
PCR-H

BCSUN2045
PCR-P

BARRIER1 STRUCTURAL BOLLARD

SUNSET SERIES

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

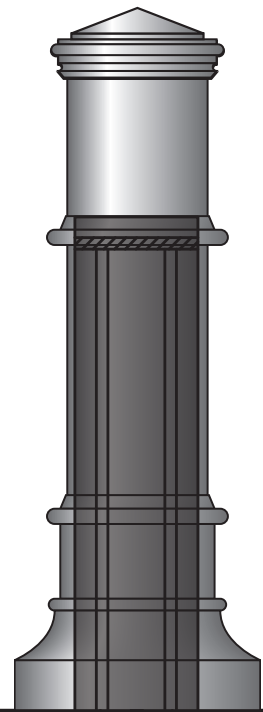
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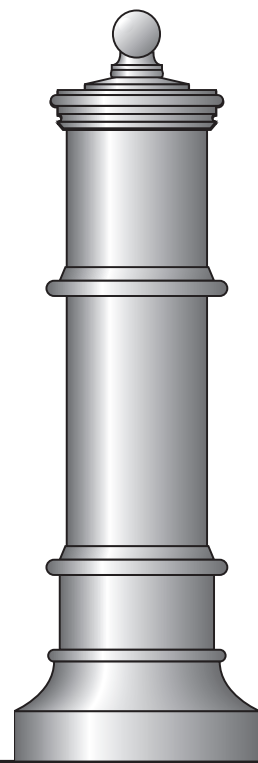


KEEP PEDESTRIANS AND STUDENTS SAFE

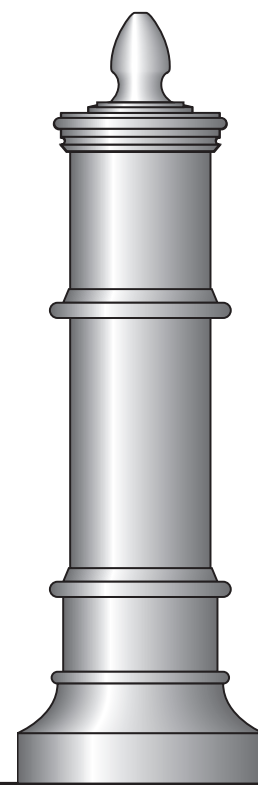
PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH



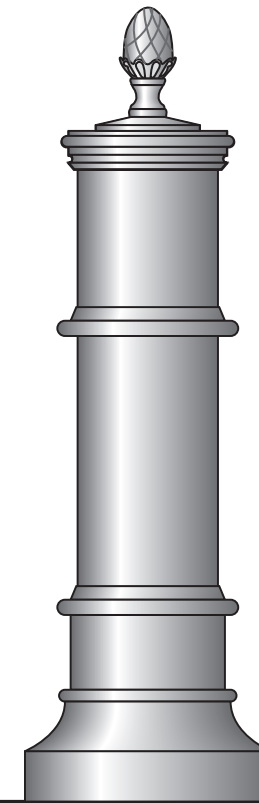
BCDELNL635
PCR-Y



BCDELNL635
PCR-B



BCDELNL635
PCR-H



BCDELNL635
PCR-P

BARRIER1 STRUCTURAL BOLLARD

DELMAR SERIES 635

BARRIER1 STRUCTURAL PRODUCTS AND TECHNOLOGY

APPROVED BY DEPT OF DEFENSE (DOD) & HOMELAND SECURITY

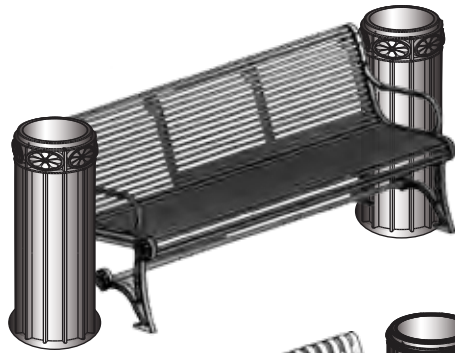


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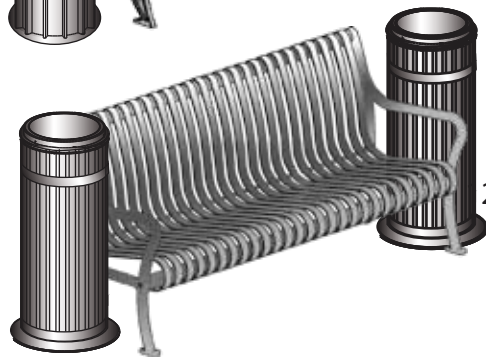
TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
BENCH & SAFETY BOLLARDS

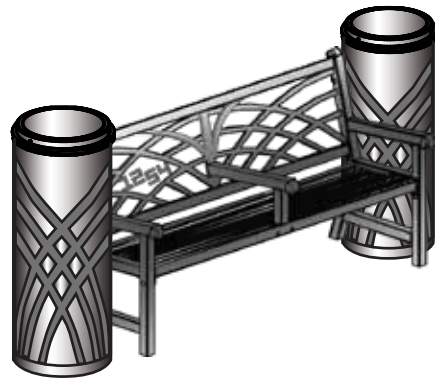
KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



12PB-PSP-402



2PB-PSP-800



12PB-PSP-600



12PB-PSP-405

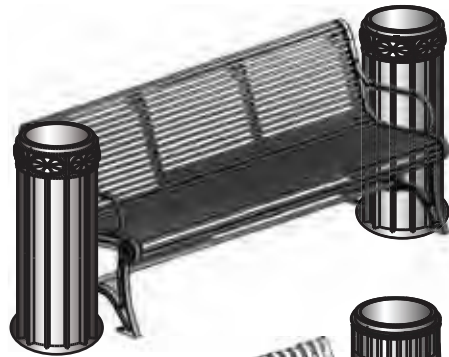


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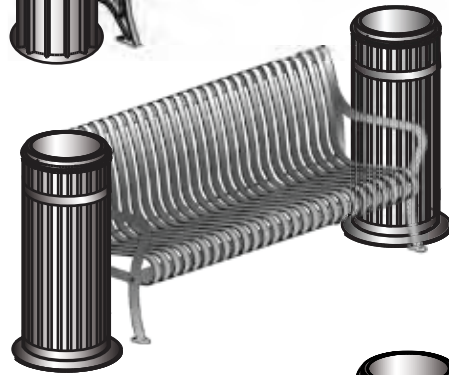
TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
BENCH & SAFETY BOLLARDS

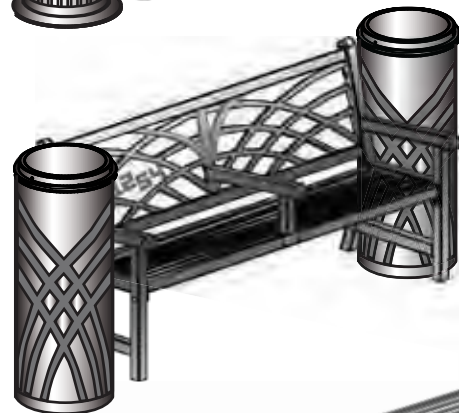
KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



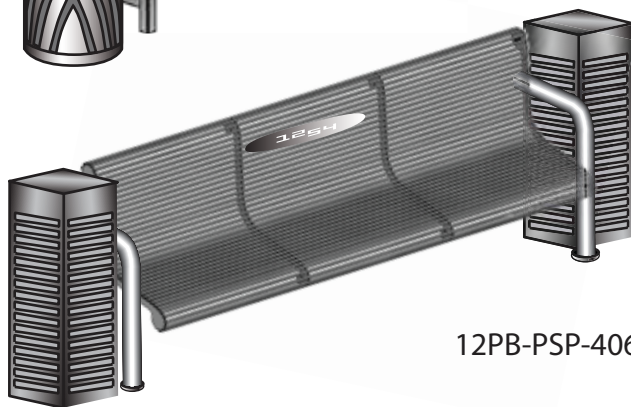
12PB-PSP-402



12PB-PSP-800



12PB-PSP-600



12PB-PSP-406

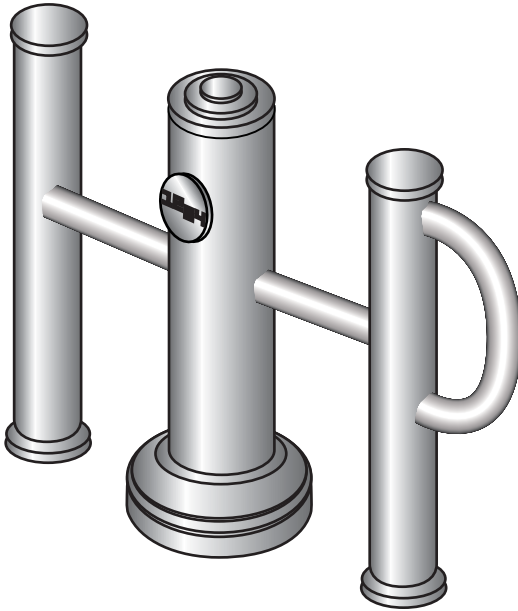


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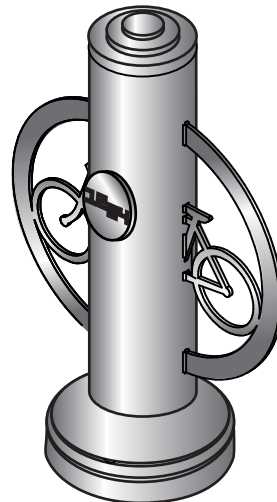
TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
BIKE RACK SAFETY BOLLARDS

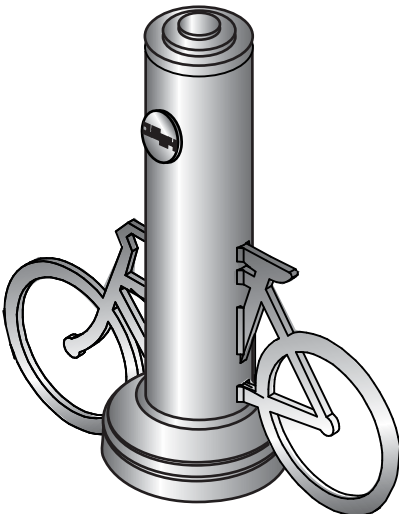
KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



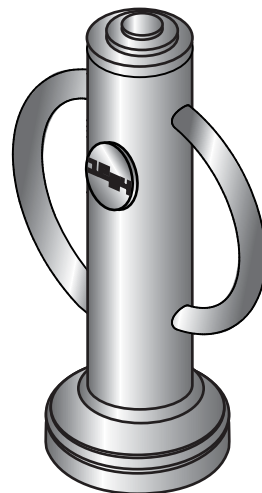
12P-120-PSP



12P-TRO-PSP



12P-130-PSP



12P-TRO-PSP

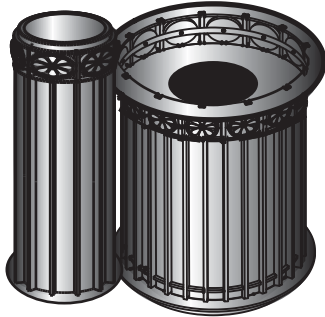


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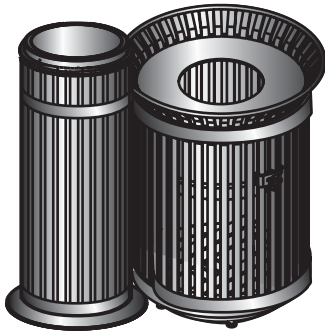
TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
TRASH CAN SAFETY BOLLARDS

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



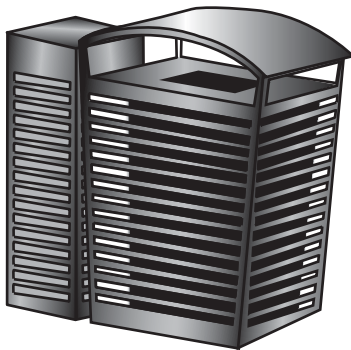
12TR-PSP-402



12TR-PSP-800



12TR-PSP-600



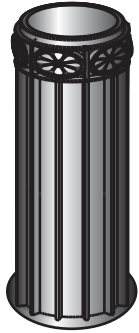
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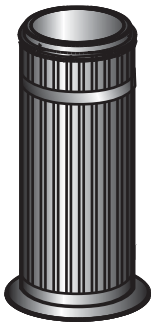
TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
DECORATIVE SAFETY BOLLARDS

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



12BOL-PSP-402



12BOL-PSP-800



12BOL-PSP-600



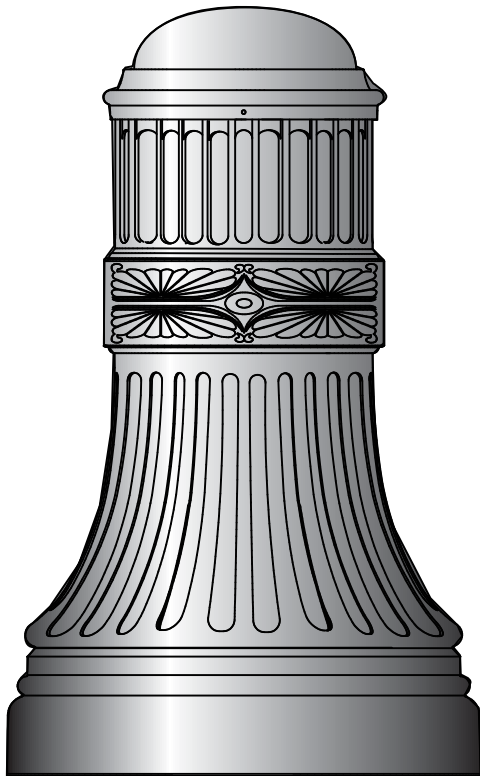
12BOL-PSP-406

1254

TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
DECORATIVE SAFETY BOLLARDS

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



12-BOLS-TRO-PSP

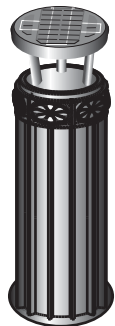


1254

TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
SOLAR SAFETY BOLLARDS

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



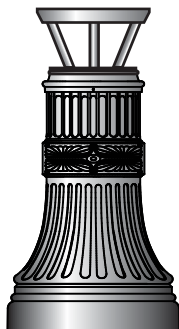
12BOLS-PSP-402



12BOLS-PSP-800



12BOLS-PSP-600



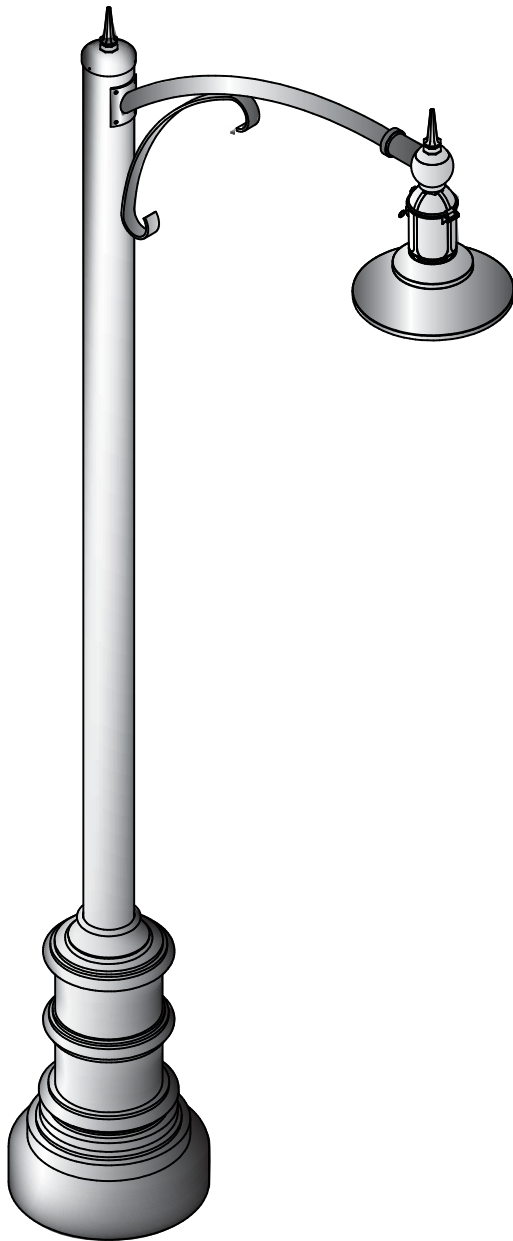
12BOLS-TRO-PSP

1254

TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
CRASH RESISTANT LIGHT POLE

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



12P-SLE-PSP

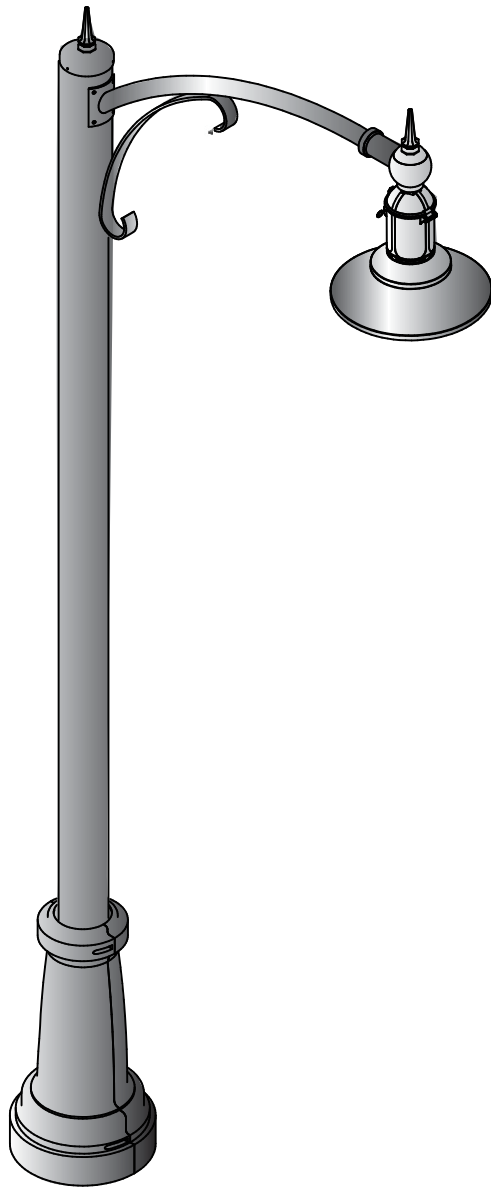


1254

TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
CRASH RESISTANT LIGHT POLE

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



12P-TOW-PSP

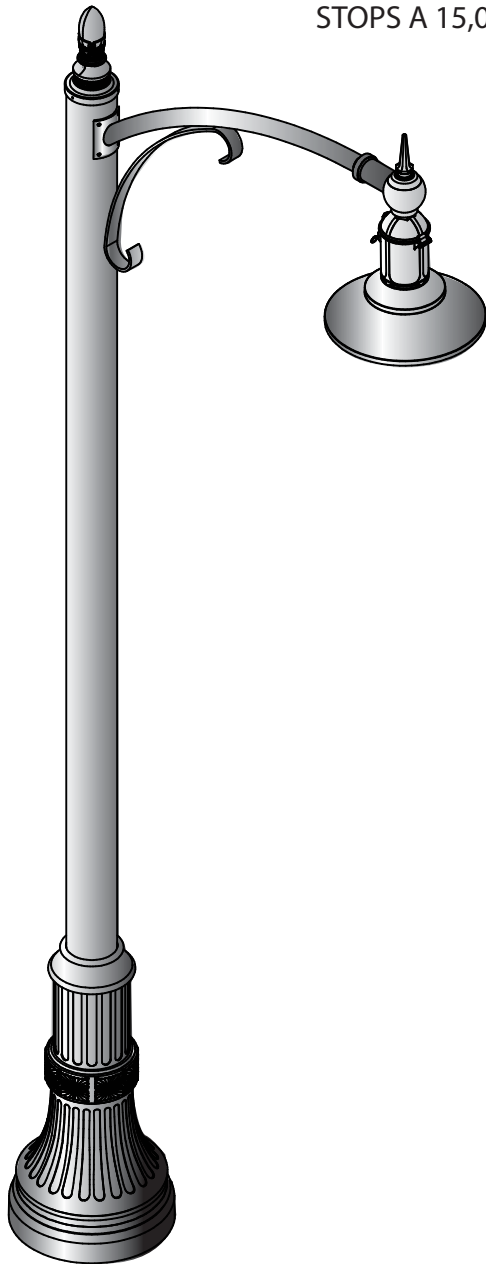


1254

TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
CRASH RESISTANT LIGHT POLE

KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



12P-TRO-PSP

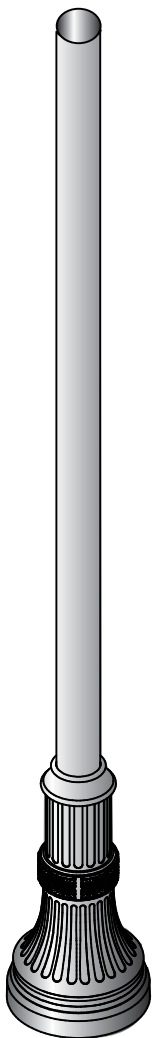


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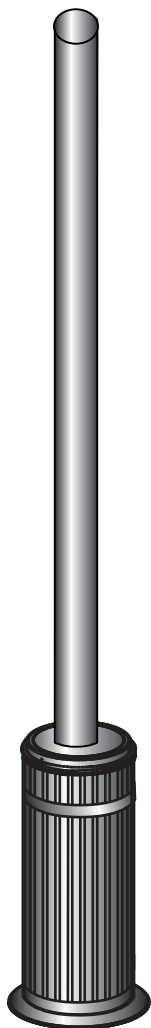
TWELVE FIFTY FOUR INDUSTRIES

PEDESTRIAN SAFETY PRODUCT
CRASH RESISTANT LIGHT POLE

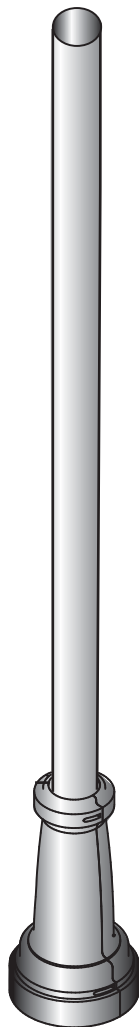
KEEPS PEDESTRIANS SAFE!
STOPS A 15,000LB VEHICLE AT 30 MPH



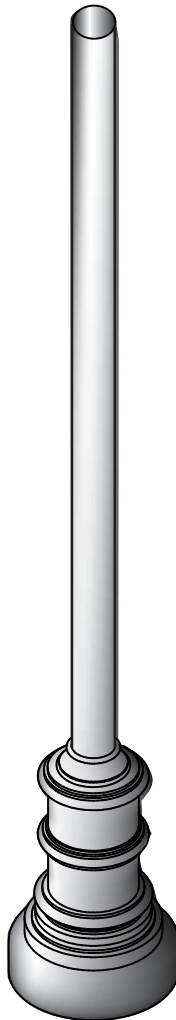
12P-TRO-PSP



12P-PSP-800



12P-TOW-PSP



12P-SLE-PSP



CAPABILITIES

1254 Industries provides robust physical barriers with unique capabilities that meet specific needs and requirements of the Customer. Our high-security decorative barrier systems are used in perimeter security applications throughout the urban environment; for vehicle access control; to protect critical infrastructure and facilities; to control access along waterways; to provide anti-terrorism solutions; to protect personnel and soldiers; and to stop projectile impacts. Barrier1 Systems provides crash rated barriers with massive stopping capabilities. Our work includes testing, R&D, engineering, design, submittals, fabrication, worldwide shipping, installation, and maintenance. Over the past 15 years, more than 2000 barriers have been provided in 11 countries. Unique solutions meeting specific requirements have been developed and fielded, to support both government and commercial end users. Over the past 15 years, extensive R&D and testing have been completed to both develop and enhance these products. More than 30+ independent, third-party crash tests have been completed to develop and enhance product capabilities, materials, connections, and other features. Engineering, design, drawings, barrier specifications, product data, maintenance plans and other submittals are completed in-house. 1254 Industries provides these submittals for review by the Customer prior to fabrication

**ASTM M30 (K4)
Set & Pour
Model SPB-400** Stops 15,000 lb Vehicle at 30 MPH
Less than 1 meter of vehicle penetration (P1)
Single Prefabricated Bollard Delivered
No Rebar Required in Foundation
Simply Excavate, Set Bollard, and Pour Concrete
Quick Installation at Significantly Reduced Cost
Any Bollard Spacing is Certified
Bollard Array Easily Follows Turns & Grade Changes
Bi-Directional Stopping Capability
Removable Bollard Model Available
Variety of Bollard Covers, Solar Lights, and Finishes

**ASTM M50 (K12)
Set & Pour
Model SPB-1200** Stops 15,000 lb Vehicle at 50 MPH
Less than 1.23 meters of vehicle penetration (P2)
Single Prefabricated Bollard Delivered
No Rebar Required in Foundation
Simply Excavate, Set Bollard, and Pour Concrete
Quick Installation at Significantly Reduced Cost
Any Bollard Spacing is Certified
Bollard Array Easily Follows Turns & Grade Changes
Bi-Directional Stopping Capability
Removable Bollard Model Available
Variety of Bollard Covers, Solar Lights, and Finishes

**ASTM M30 (K4)
Shallow Mount
Model SMB-400** Stops 15,000 lb Vehicle at 30 MPH
Less than 1 meter of vehicle penetration (P1)
12" Deep Concrete Foundation
Modular Prefabricated Bollard Components
No Field Welding or Bolting Required
Bollard Spacing up to 54" on Center
Bollard Array Easily Follows Turns & Grade Changes
Removable Bollard Model Available
Variety of Bollard Covers, Solar Lights, and Finishes

**ASTM M40 (K8)
Shallow Mount
Model SMB-800** Stops 15,000 lb Vehicle at 40 MPH
Less than 1 meter of vehicle penetration (P1)
12" Deep Concrete Foundation
Modular Prefabricated Bollard Components
No Field Welding or Bolting Required
Bollard Spacing up to 54" on Center
Bollard Array Easily Follows Turns & Grade Changes
Removable Bollard Model Available
Variety of Bollard Covers, Solar Lights, and Finishes

**ASTM M50 (K12)
Shallow Mount
Model SMB-1200** Stops 15,000 lb Vehicle at 50 MPH
Less than 1 meter of vehicle penetration (P1)
16" Deep Concrete Foundation
Modular Prefabricated Bollard Components
No Field Welding or Bolting Required
Bollard Spacing up to 54" on Center
Bollard Array Easily Follows Turns & Grade Changes
Removable Bollard Model Available
Variety of Bollard Covers, Solar Lights, and Finishes

