

# KEEP PEDESTRIANS AND STUDENTS SAFE

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

# 1254

TWELVE FIFTY FOUR INDUSTRIES

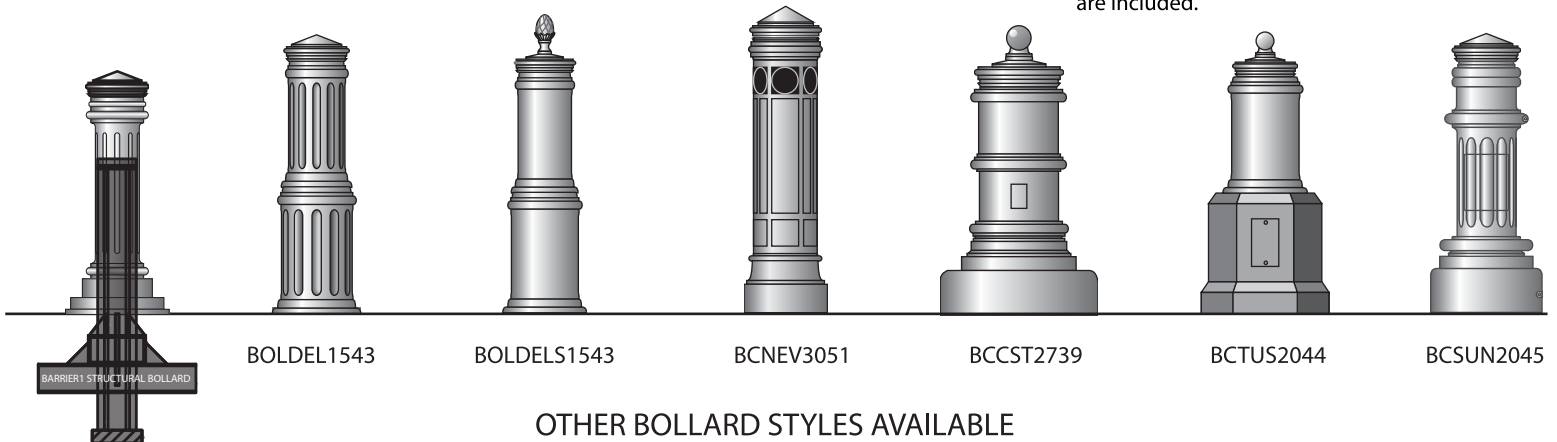
MODEL #: 12BOL-SP-15K30MPH



- ◆ 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.

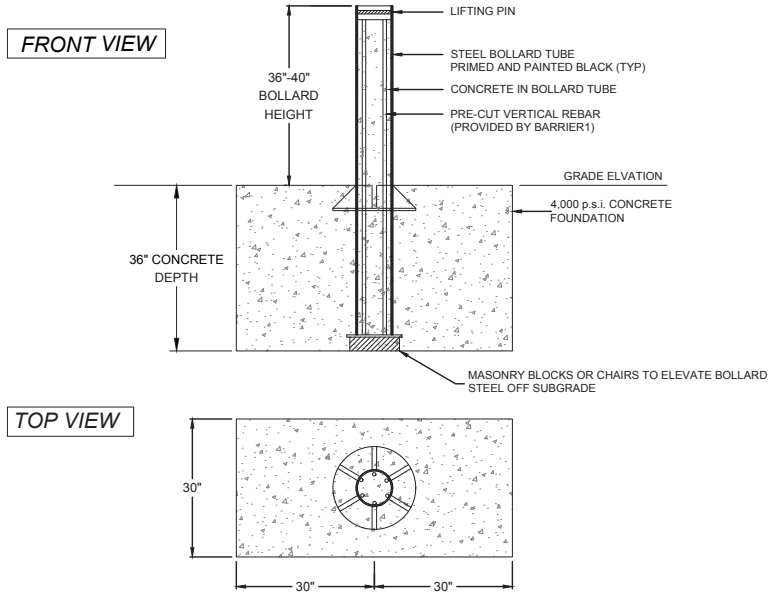
- ◆ Allows for field adjustment.
- ◆ Reduce installation time and cost by about 50%.
- ◆ Bi-directional stopping capability.
- ◆ Removeable bollard configuration is available.
- ◆ Variety of bollard covers are available including stainless steel, plastic, decorative shapes, concrete, lighted covers,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



## OTHER BOLLARD STYLES AVAILABLE



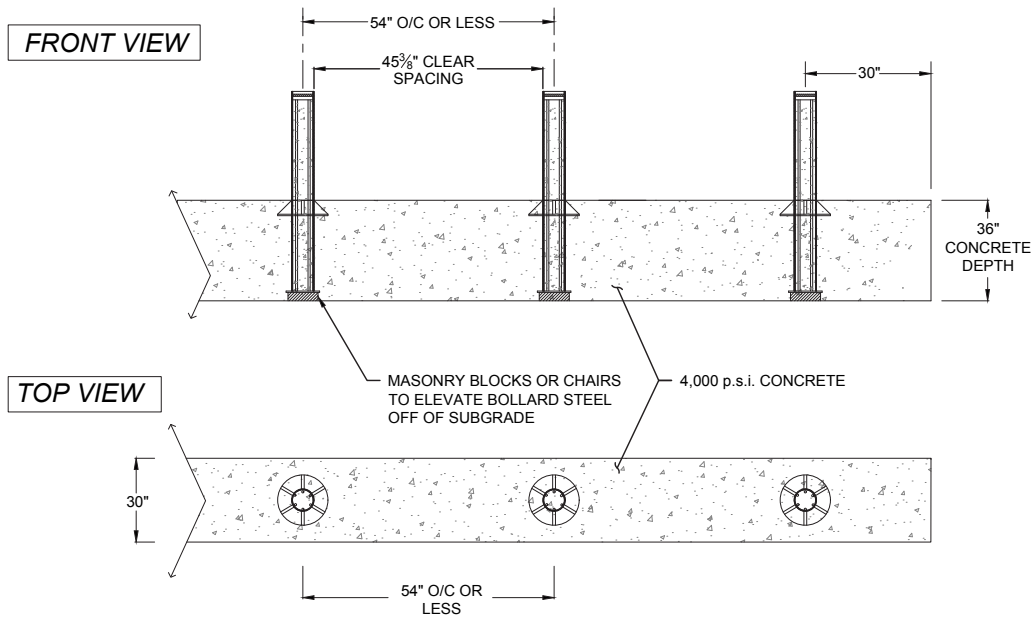
# INSTALLATION INSTRUCTIONS



**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

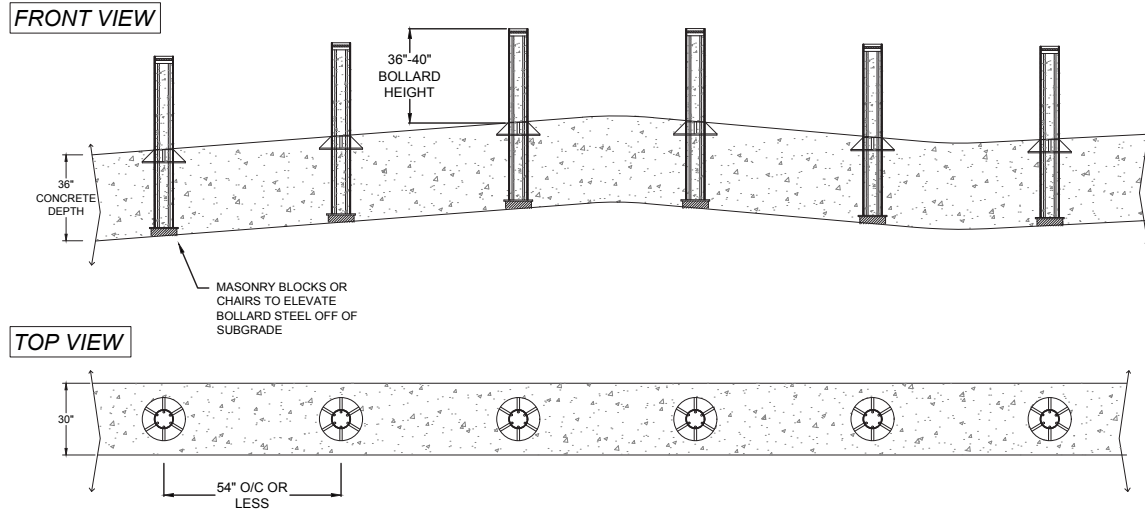


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## INSTALLATION INSTRUCTIONS (cont.)

### BOLLARD INSTALLATION ACROSS GRADE CHANGES



### BOLLARD INSTALLATION WITH TURN

