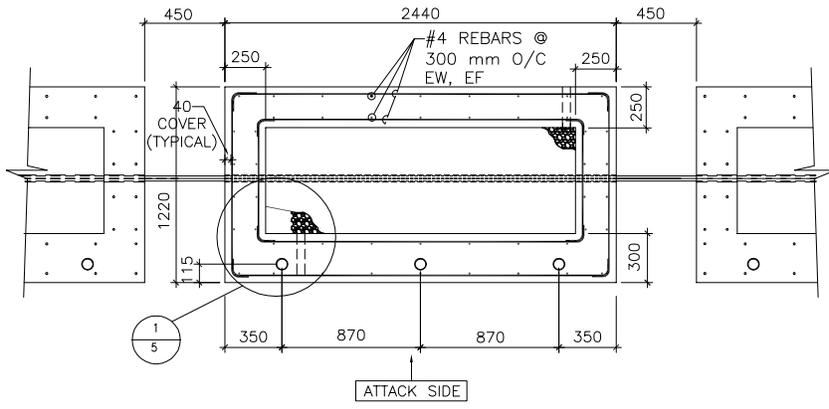
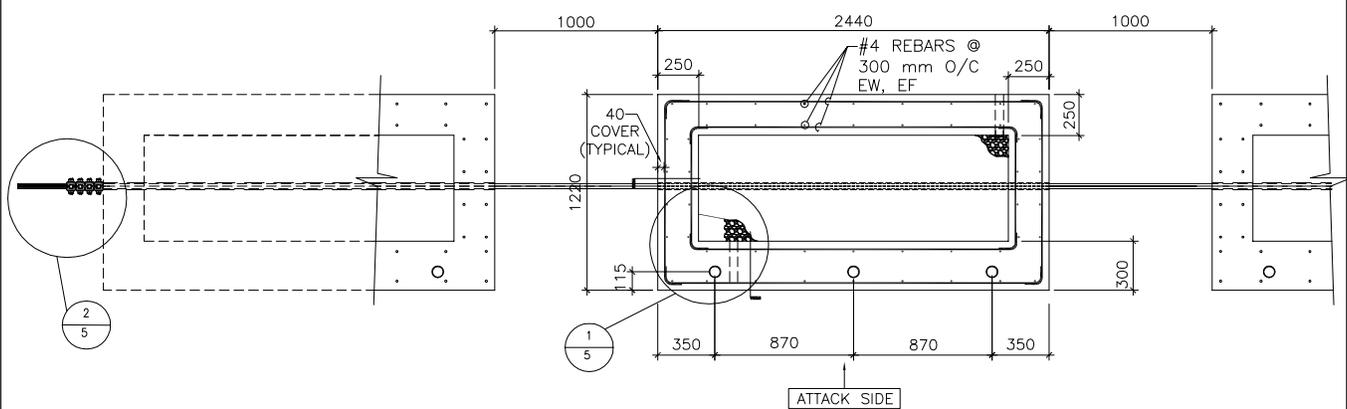


NOTE:
 FOR THE K12 PLANTER USE 1" DIAMETER ALLOY STEEL THREADED ROD 4140B-7. ROD MUST MEET ASTM A-193 B7 SPECIFICATION (ULTIMATE STRENGTH = 125,000 PSI). HOLES FOR RODS MUST BE DRILLED AFTER PLANTERS HAVE BEEN PLACED IN FINAL CONDITION.

3 DETAIL PLAN OF K-12 APPLICATION PLANTERS
 1 N.T.S.



2 DETAIL PLAN OF K-8 APPLICATION PLANTERS
 1 N.T.S.



1 DETAIL PLAN OF K-4 APPLICATION PLANTERS
 1 N.T.S.

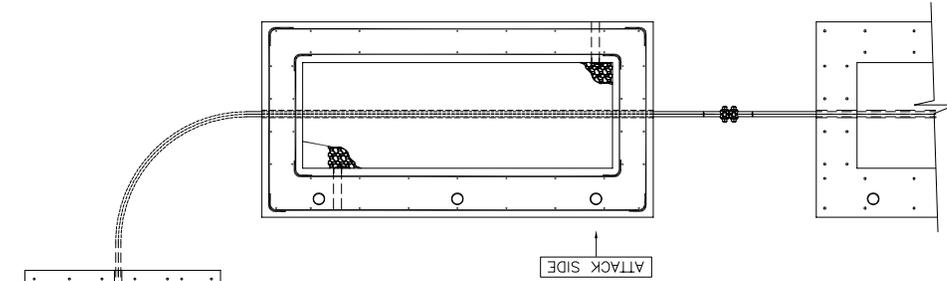
WARNING:
 This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of: Overseas Buildings Operations, U.S. Department of State, Washington, DC, 20522-0620. Information on this document is not to be altered except with the written approval of the individual whose seal appears hereon.



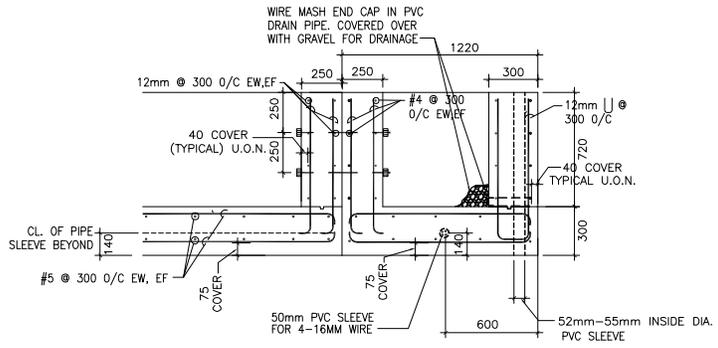
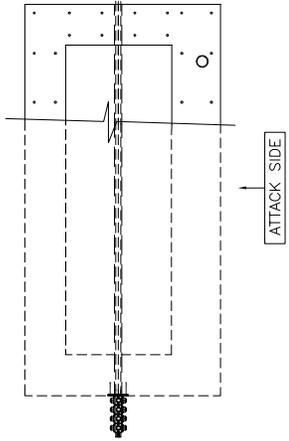
ANTI-RAM SURFACE PLANTER
 (K-4, K-8 AND K-12) DS-60

SEB Standard Details

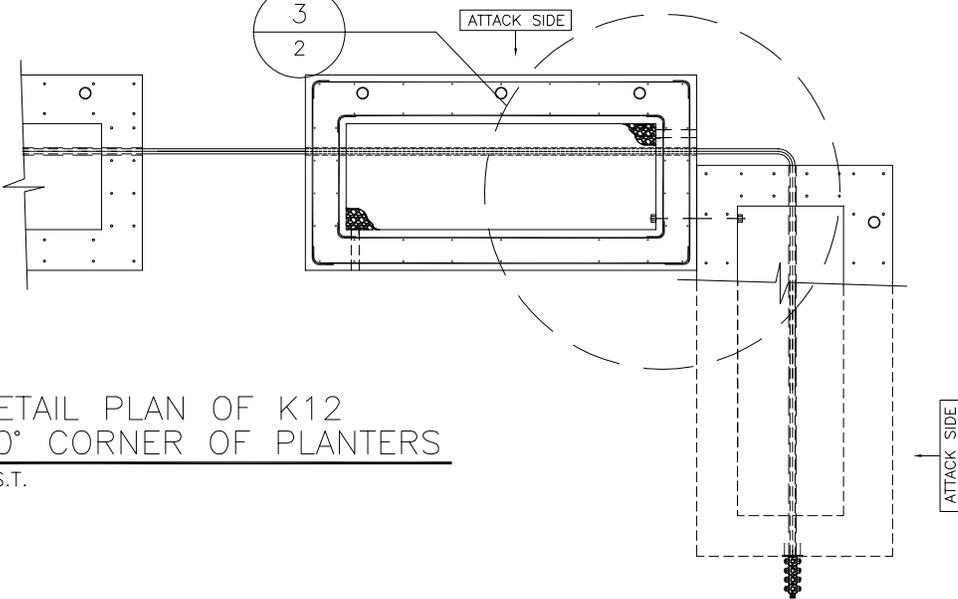
DWG.TITLE: DS-60.dwg	
REV:	DATE:
REV:	DATE:
SCALE: N.T.S.	SHEET: 1 OF 7
DRAWN BY:	
DATE: 2/18/07	UNCLASSIFIED



DETAIL PLAN OF K4
 90° CORNER OF PLANTERS
 2
 2 N.T.S.



SECTION DETAIL @ THRU ROD
 OF K-12 90 DEG CORNER PLANTERS
 3
 2 N.T.S.



DETAIL PLAN OF K12
 90° CORNER OF PLANTERS
 1
 2 N.T.S.

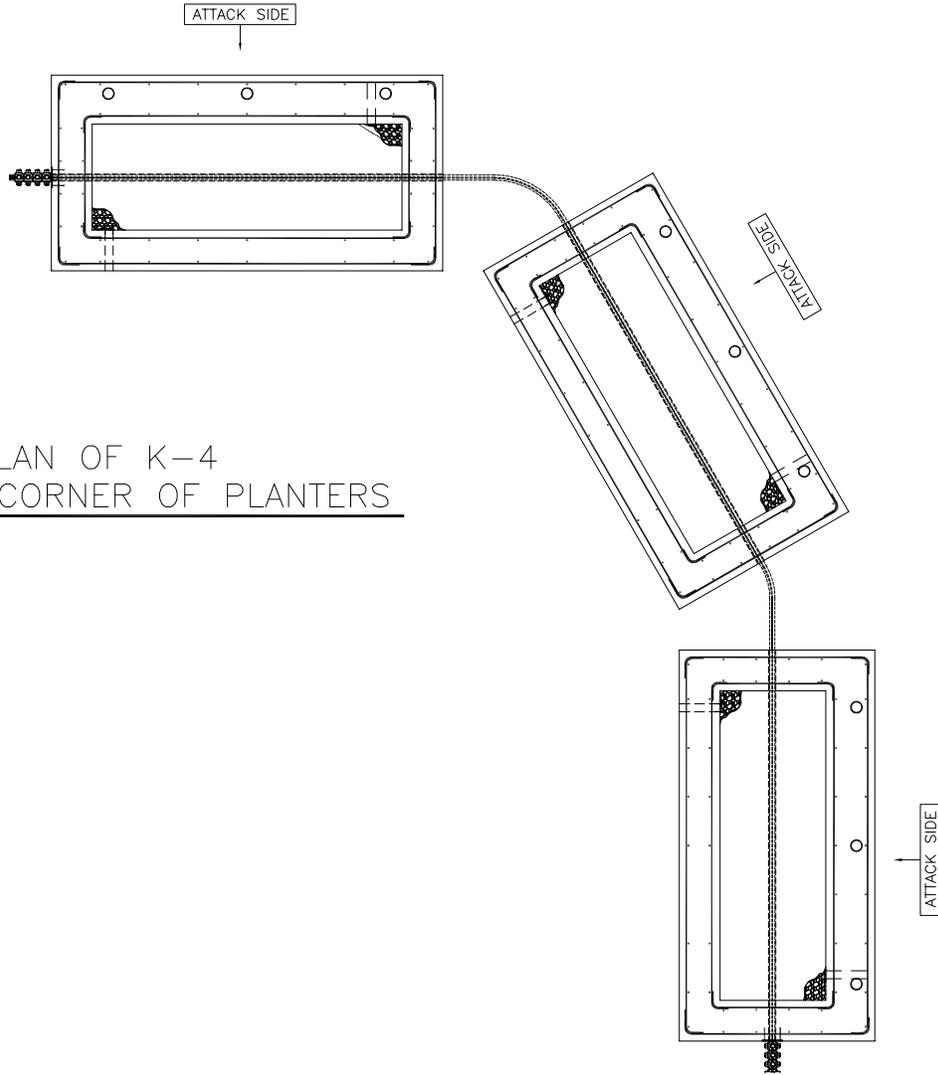
WARNING:
 This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of: Overseas Buildings Operations, U.S. Department of State, Washington, DC, 20522-0620. Information on this document is not to be altered except with the written approval of the individual whose seal appears herein.



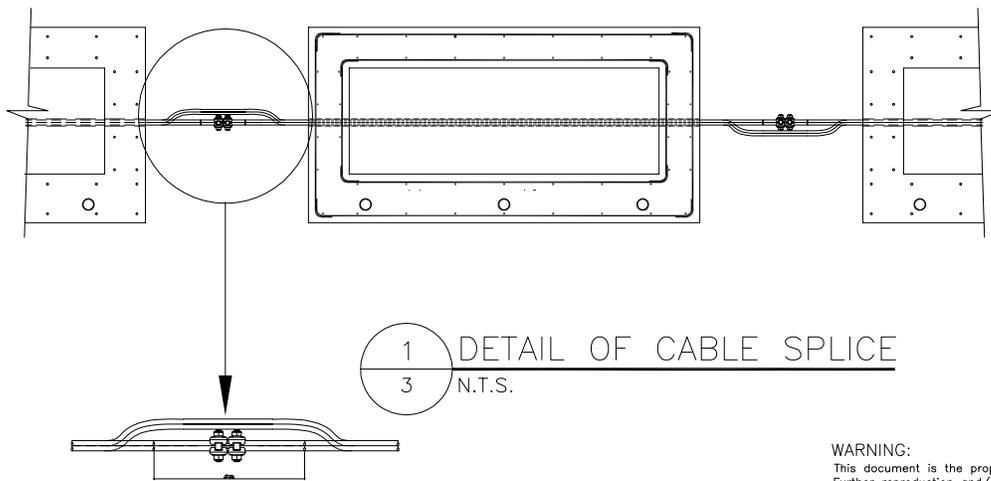
ANTI-RAM SURFACE PLANTER
 (K-4, K-8 AND K-12) DS-60

SEB Standard Details

DWG.TITLE: DS-60.dwg	
REV:	DATE:
REV:	DATE:
SCALE: N.T.S.	SHEET: 2 OF 7
DRAWN BY:	
DATE: 2/18/07	UNCLASSIFIED



DETAIL PLAN OF K-4
 CURVED CORNER OF PLANTERS
 2
 3 N.T.S.



1
 3 N.T.S. DETAIL OF CABLE SPLICE

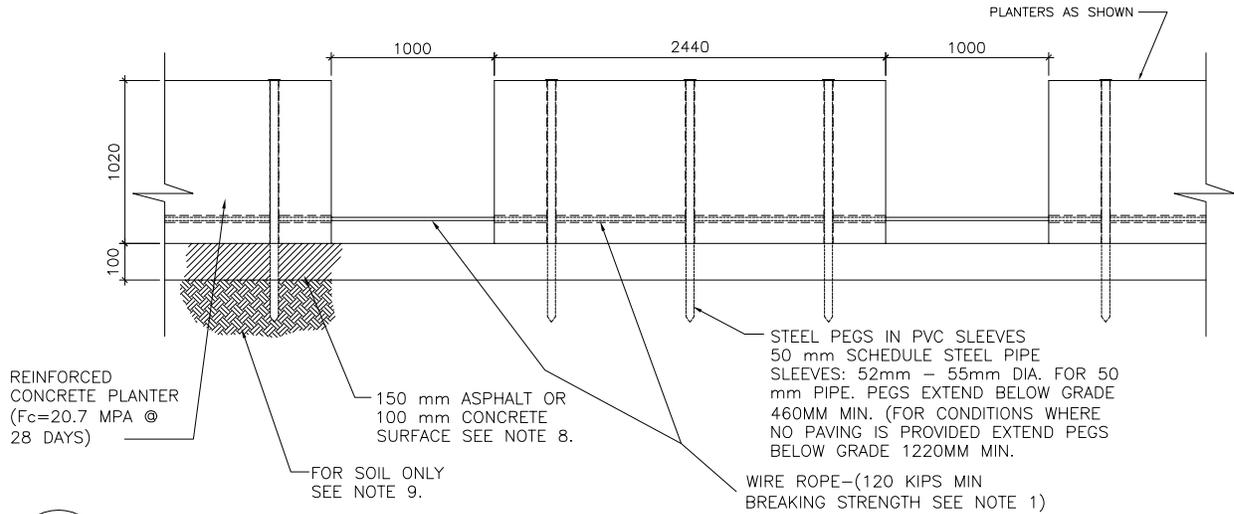
WARNING:
 This document is the property of the U.S. Government.
 Further reproduction and/or distribution is prohibited
 without the express written permission of: Overseas
 Buildings Operations, U.S. Department of State,
 Washington, DC, 20522-0620. Information on this
 document is not to be altered except with the written
 approval of the individual whose seal appears hereon.



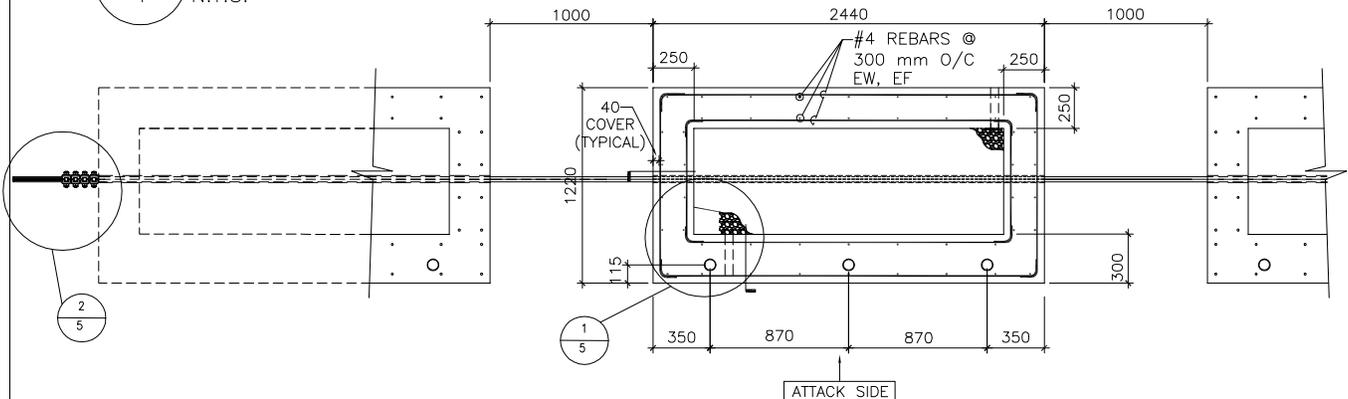
ANTI-RAM SURFACE PLANTER
 (K-4, K-8 AND K-12) DS-60

SEB Standard Details

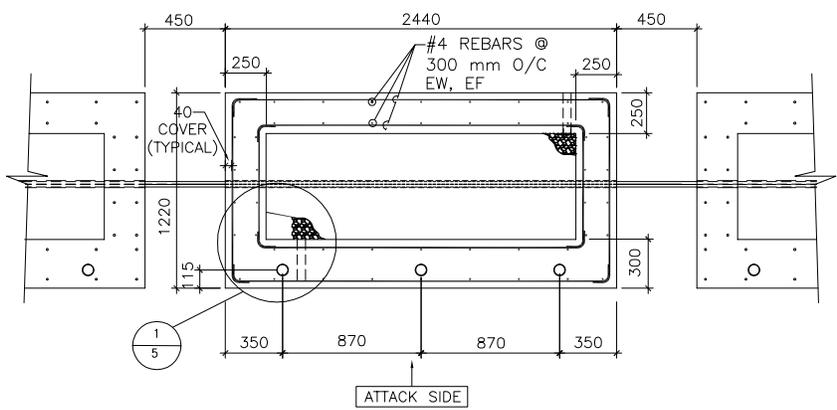
DWG.TITLE: DS-60.dwg	
REV:	DATE:
REV:	DATE:
SCALE: N.T.S.	SHEET: 3 OF 7
DRAWN BY:	
DATE: 2/18/07	UNCLASSIFIED



3 ELEVATION VIEW OF PLANTER
4 N.T.S.



2 PLAN VIEW OF K4 PLANTER
4 N.T.S.



1 PLAN VIEW OF K8 PLANTER
4 N.T.S.

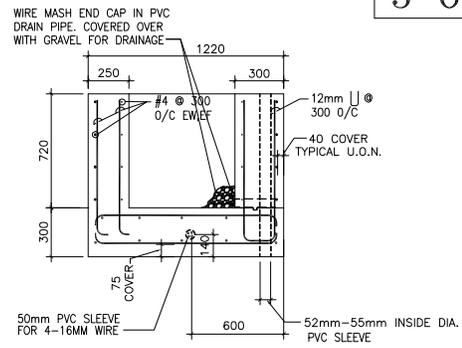
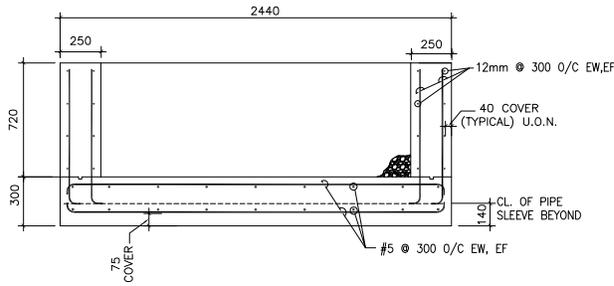
WARNING:
This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of: Overseas Buildings Operations, U.S. Department of State, Washington, DC, 20522-0620. Information on this document is not to be altered except with the written approval of the individual whose seal appears hereon.



ANTI-RAM SURFACE PLANTER
(K-4, K-8 AND K-12) DS-60

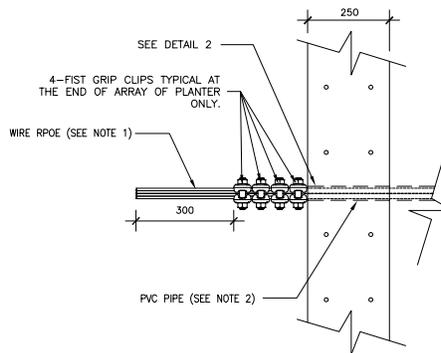
SEB Standard Details

DWG.TITLE: DS-60.dwg	
REV:	DATE:
REV:	DATE:
SCALE: N.T.S.	SHEET: 4 OF 7
DRAWN BY:	
DATE: 2/18/07	UNCLASSIFIED

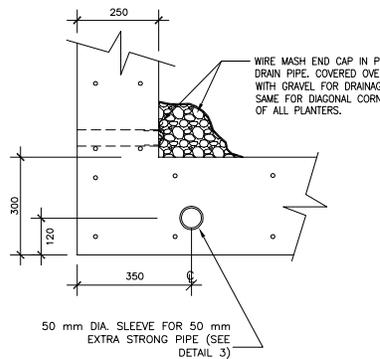


3 FRONT ELEVATION
5 N.T.S.

4 SIDE ELEVATION
5 N.T.S.



2 CABLE TERMINATION DETAIL
5 N.T.S.



1 DETAIL PLAN CORNER OF PLANTER
5 N.T.S.

WARNING:

This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of: Overseas Buildings Operations, U.S. Department of State, Washington, DC, 20522-0620. Information on this document is not to be altered except with the written approval of the individual whose seal appears herein.



**ANTI-RAM SURFACE PLANTER
(K-4, K-8 AND K-12) DS-60**

SEB Standard Details

DWG.TITLE: DS-60.dwg

REV: DATE:

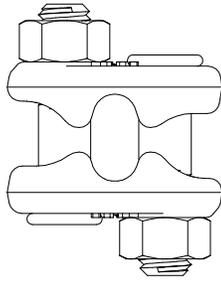
REV: DATE:

SCALE: N.T.S. SHEET: 5 OF 7

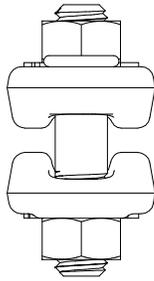
DRAWN BY:

DATE: 2/18/07

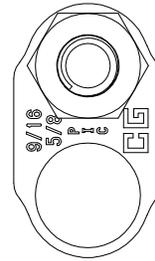
UNCLASSIFIED



FRONT VIEW OF GRIP CLIP

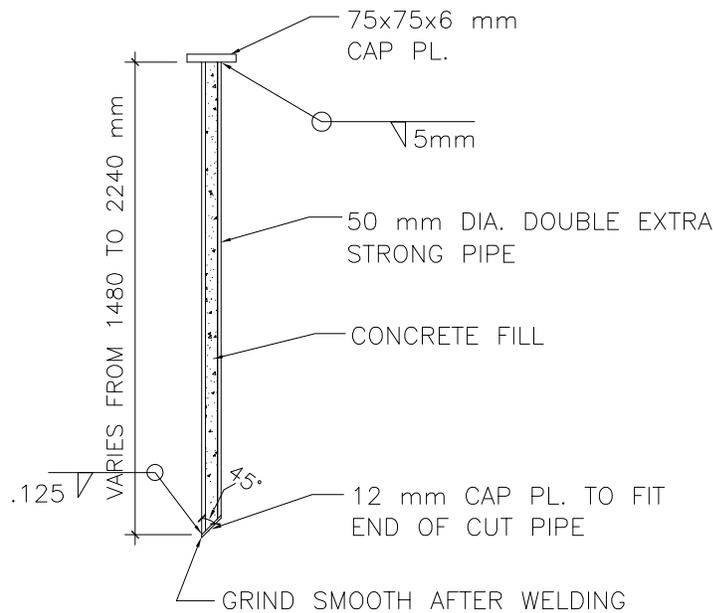


SIDE VIEW OF GRIP CLIP



END VIEW OF GRIP CLIP

2 DETAIL OF FIST CABLE CLAMPS
6 N.T.S.



1 DETAIL OF STEEL PEG
6 N.T.S.

WARNING:
This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of: Overseas Buildings Operations, U.S. Department of State, Washington, DC, 20522-0620. Information on this document is not to be altered except with the written approval of the individual whose seal appears hereon.



ANTI-RAM SURFACE PLANTER
(K-4, K-8 AND K-12) DS-60

SEB Standard Details

DWG.TITLE: DS-60.dwg	
REV:	DATE:
REV:	DATE:
SCALE: N.T.S.	SHEET: 6 OF 7
DRAWN BY:	
DATE: 2/18/07	UNCLASSIFIED

GENERAL NOTE:

THIS IS A SINGLE, PRE-CAST SURFACE PLANTER SYSTEM THAT CAN BE MADE LOCALLY IN APPROPRIATE QUANTITIES FOR PERIMETER ARRANGEMENTS. EMBLACEMENT CAN BE MADE WITH DIFFERENT SPACING AND CONNECTION DETAILS TO PROVIDE PROTECTION AGAINST A RANGE OF APPROACH IMPACT SPEEDS. THE DETAILED LAYOUT BEGINS WITH IDENTIFICATION OF REQUIRED PEDESTRIAN ACCESS LOCATIONS, HIGH SPEED RAMMING APPROACHES, SURFACE CONDITIONS FOR ANCHORAGE (ASPHALT, CONCRETE, SOIL) ECT. MULTIPLE CABLES ARE USED RATHER THAN ONE LARGE CLBLE FOR MANIPULATION AND INSTALLATION. WHERE PEDESTRIAN ACCESS IS ANTICIPATED, THE CABLES CONNECTING THE PLANTERS MAY BE COVERED WITH A RAMP (PRE-CAST POURED INPLACE AT SAME TIME AS PLANTERS, OR MADE OF ASPHALT, ETC.)

NOTES:

1. USE 4-16 mm DIA. WIRE ROPE MEETING ASTM 1023 STANDARDS.
2. USE 50 mm PVC PIPE FOR 4-16 mm DIA. CABLES.
3. MAXIMUM SPACING BETWEEN BOLLARDS FOR K-4 APPLICATIONS IS 1 METER.
4. USE G-429 FIST GRIP CLIPS BY THE CROSBY GROUP (SEE WWW.THE CROSBY GROUP.COM).
5. ALL REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60.
6. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH COMPRESSIVE STRENGTH 3000 Psi @ 28 DAYS.
7. ALL CONCRETE SHALL BE AIR ENTRAINED (5% + 1).
8. WHEN PLANTER IS SET ON ASPHALT OR CONCRETE SURFACE THE PEGS TO HOLD PLANTER IN PLACE SHALL EXTEND A MINIMUM OF 460 mm BELOW GRADE.
9. WHEN PLANTER IS SET ON SOIL ONLY (E.G. NO PAVING MATERIAL) THE STEEL PEGS TO HOLD PLANTER IN PLACE SHALL EXTEND A MINIMUM OF 1220 mm BELOW GRADE.

WARNING:

This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of: Overseas Buildings Operations, U.S. Department of State, Washington, DC, 20522-0620. Information on this document is not to be altered except with the written approval of the individual whose seal appears hereon.

U.S. Department of State

Office of
Overseas Buildings Operations

ANTI-RAM SURFACE PLANTER (K-4, K-8 AND K-12) DS-60

SEB Standard Details

DWG.TITLE: DS-60.dwg

REV:

DATE:

REV:

DATE:

SCALE: N.T.S.

SHEET: 7 OF 7

DRAWN BY:

DATE: 2/18/07

UNCLASSIFIED