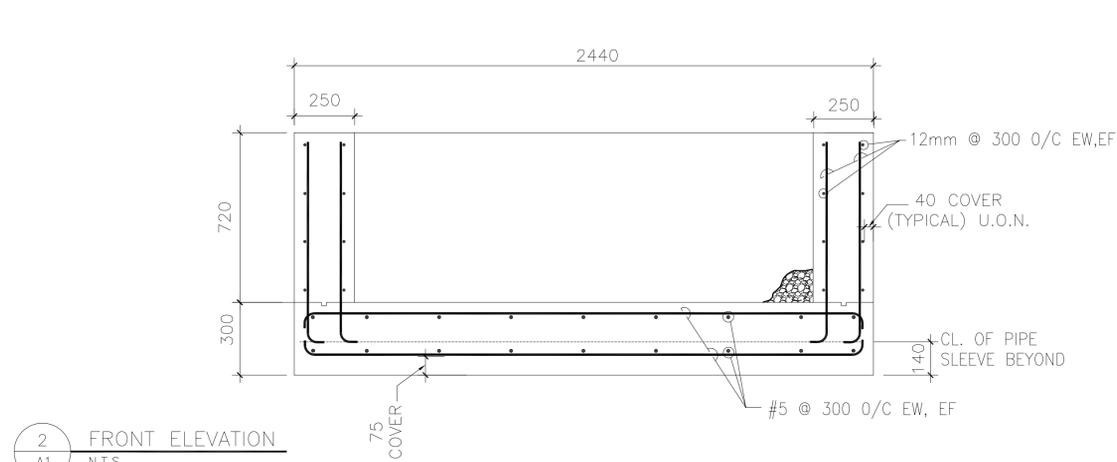
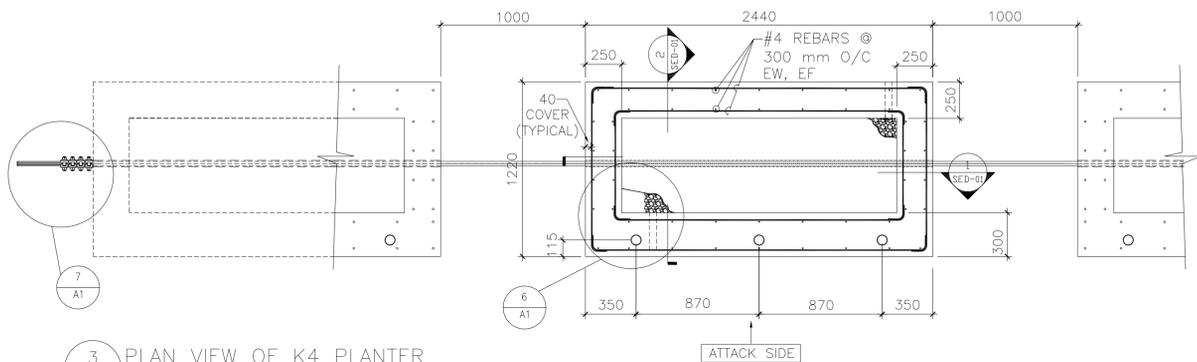


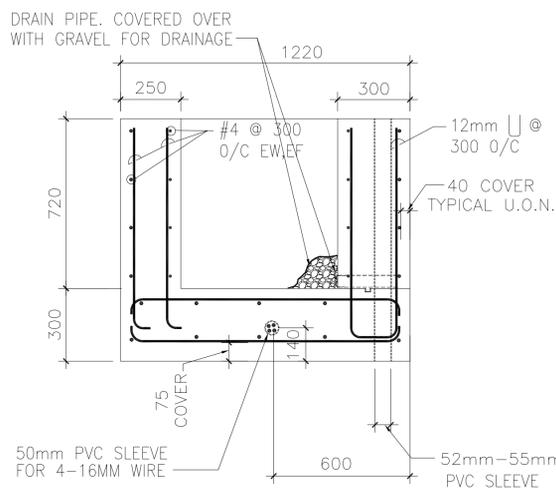
1 ELEVATION VIEW OF PLANTER
A1 N.T.S.



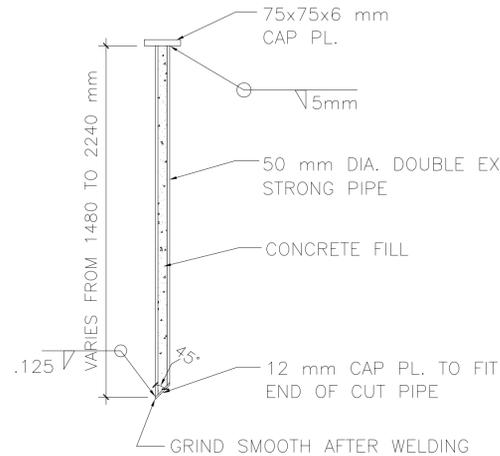
2 FRONT ELEVATION
A1 N.T.S.



3 PLAN VIEW OF K4 PLANTER
A1 N.T.S.

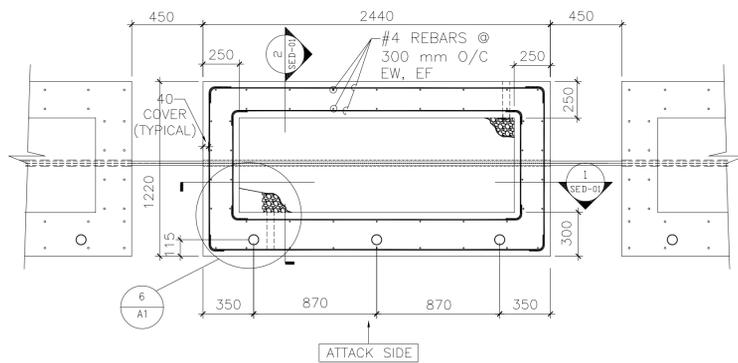


4 SIDE ELEVATION
A1 N.T.S.

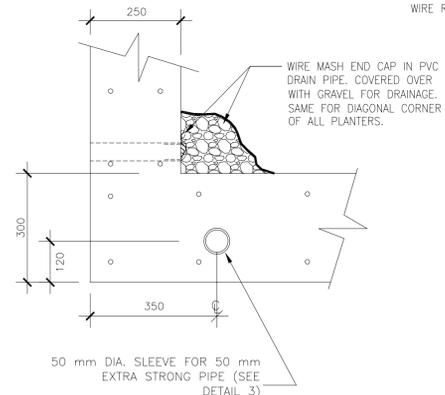


5 DETAIL OF STEEL PEG
A1 N.T.S.

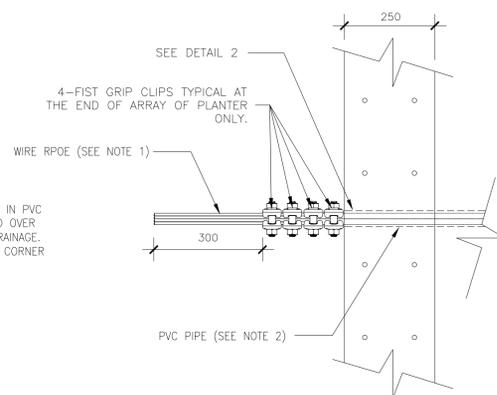
- NOTES:**
- USE 4-16 mm DIA. WIRE ROPE MEETING ASTM 1023 STANDARDS.
 - USE 50 mm INSIDE DIA PVC PIPE FOR 4-16 mm DIA. CABLES.
 - MAXIMUM SPACING BETWEEN BOLLARDS FOR K-4 APPLICATIONS IS 1 METER.
 - USE G-429 FIST GRIP CLIPS BY THE CROSBY GROUP (SEE WWW.THE CROSBY GROUP.COM).
 - ALL REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60.
 - ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH COMPRESSIVE STRENGTH 3000 Psi @ 28 DAYS.
 - ALL CONCRETE SHALL BE AIR ENTRAINED (5% + 1).
 - WHEN PLANTER IS SET ON ASPHALT OR CONCRETE SURFACE THE PEGS TO HOLD PLANTER IN PLACE SHALL EXTEND A MINIMUM OF 450 mm BELOW GRADE.
 - 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.



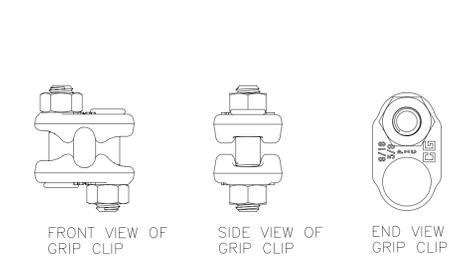
9 PLAN VIEW OF K8 PLANTER
A1 N.T.S.



6 DETAIL PLAN CORNER OF PLANTER
A1 N.T.S.



7 CABLE TERMINATION DETAIL
A1 N.T.S.



8 DETAIL OF FIST CABLE CLAMPS
A1 N.T.S. (SEE NOTES 3 & 4)



United States Department of State
OVERSEAS BUILDINGS OPERATIONS
Washington, D.C.

STANDARD PLANTER
DESIGN
for

DS-60-K4/K8/K12

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GENERAL NOTE:

THIS IS A SINGLE, PRE-CAST SURFACE PLANTER SYSTEM THAT CAN BE MADE LOCALLY IN APPROPRIATE QUANTITIES FOR PERIMETER ARRANGEMENTS. EMPLACEMENT 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 CABLE 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.)

THRU ROD DETAIL	7/2/2007
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Rev Number	Description	Date
Revisions		

Release For Construction:
OBO/PE/PW OBO/PE/DE

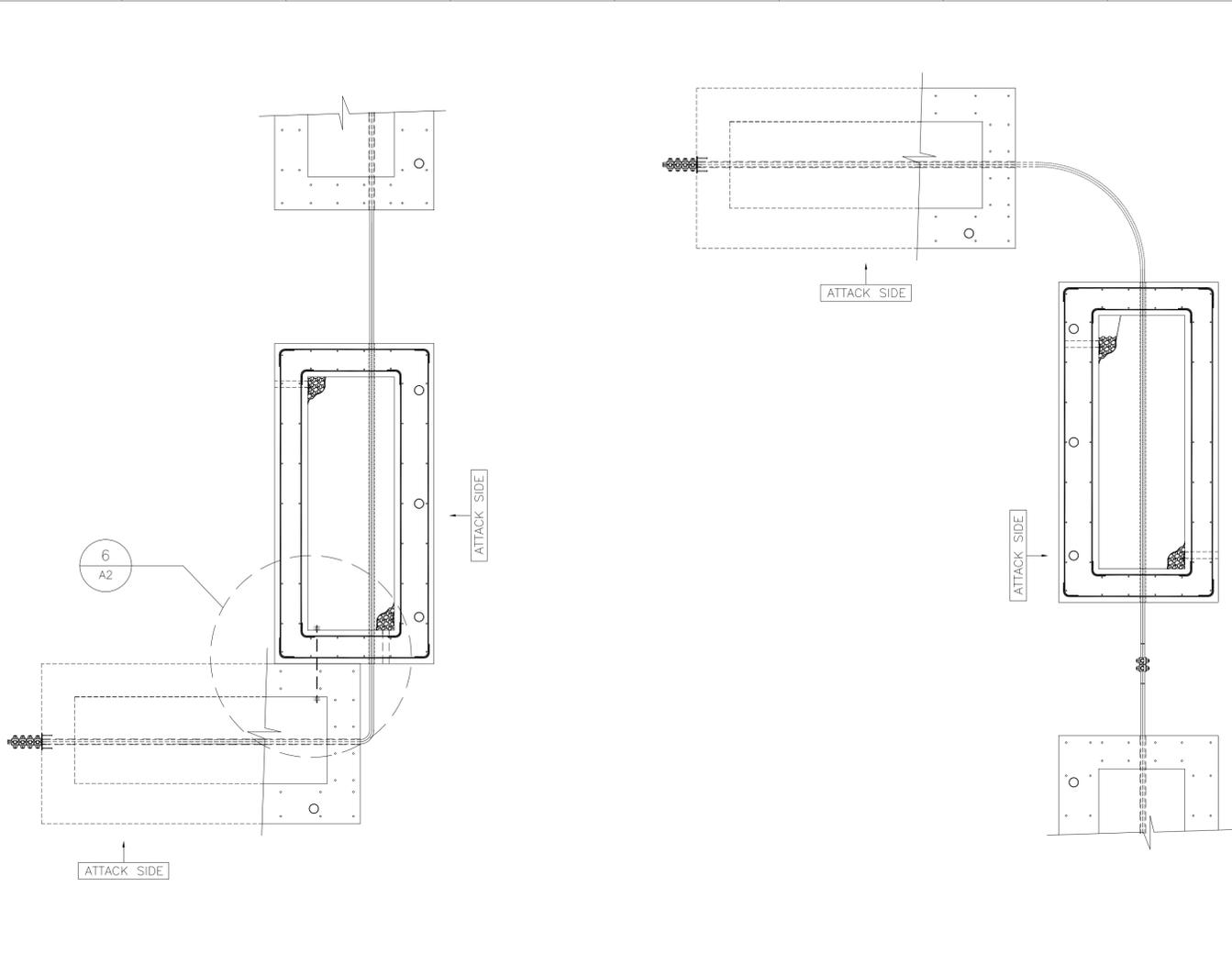
Drawing Title
ANTI-RAM SURFACE PLANTER & DETAILS

OBO Project Number Drawing Scale Phase
1:1
CADD File Name CADD Plot Scale AS SHOWN

Date 9/25/07
Drawn By C.R.A.
Checked By R.J.N.
Project Number
Classification SENSITIVE BUT UNCLASSIFIED

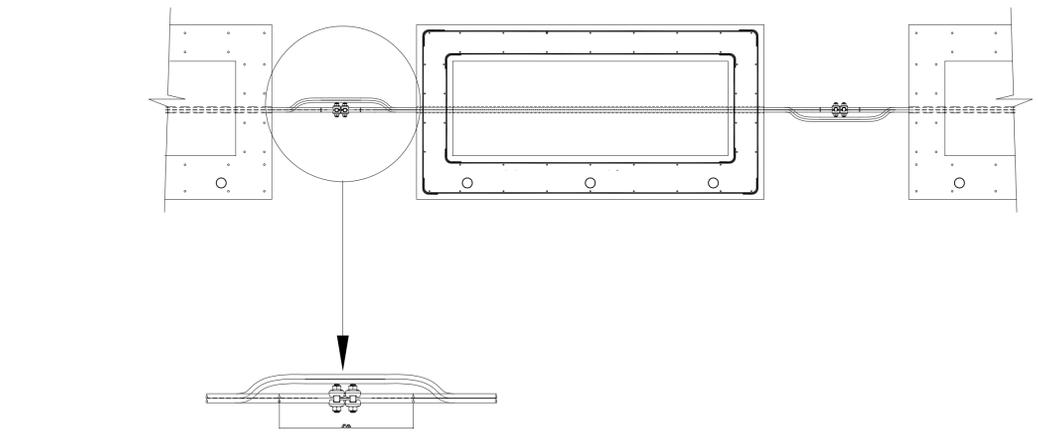
Sheet Number
DS-60
A1

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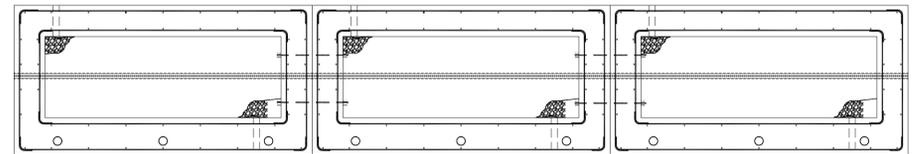


1 DETAIL PLAN OF K12 90° CORNER OF PLANTERS
A2 N.T.S.

2 DETAIL PLAN OF K4 90° CORNER OF PLANTERS
A2 N.T.S.

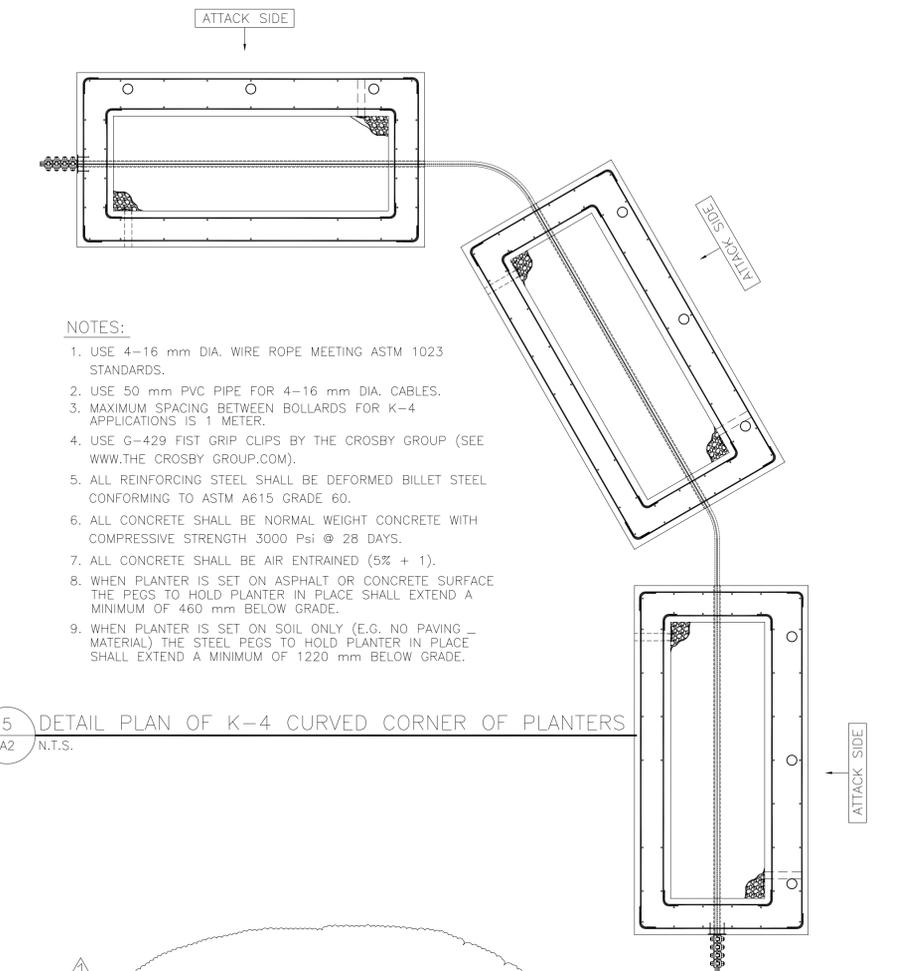


4 DETAIL OF CABLE SPLICE
A2 N.T.S.



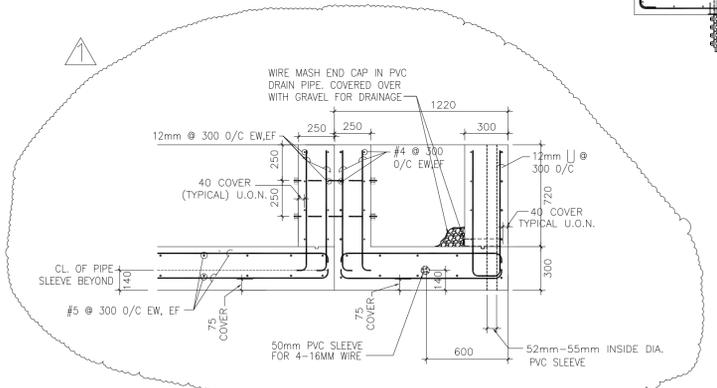
NOTE:
FOR THE K12 PLANTER USE 1" DIAMETER ALLOY STEEL THREADED ROD 4140B-7. ROD MUST MEET ASTM A-193 B7 SPECIFICATION (ULTIMATE STRENGTH = 125,000 PSI). HOLES FOR RODS MUST BE DRILLED AFTER PLANTERS HAVE BEEN PLACED IN FINAL CONDITION.

3 DETAIL PLAN OF K-12 APPLICATION PLANTERS
A2 N.T.S.



- 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.

5 DETAIL PLAN OF K-4 CURVED CORNER OF PLANTERS
A2 N.T.S.



6 SECTION DETAIL @ THRU ROD OF K-12 90 DEG CORNER PLANTERS
A2 N.T.S.



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STANDARD PLANTER DESIGN

for

DS-60-K4/K8/K12

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Drawing Title
ANTI-RAM SURFACE PLANTER & DETAILS

OBO Project Number Drawing Scale Phase
1:1

CADD File Name CADD Plot Scale CONCEPT 35% 60% 90% 100% FINAL
AS SHOWN

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Sheet Number
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A2

1 2 3 4 5 6 7 8 9 10 11 12 13 14