




Walsall Council




Wolverhampton City Council



Dudley Metropolitan Borough Council



Sandwell Metropolitan Borough Council



Regeneration and Transport

Drawing Title:

STEEL PALISADE SECURITY GATE AND KISSING GATE

STANDARD DETAIL

Drawing Number

SD/300/12

01

Rev

NTS

NOTES

1. STEEL PALISADE FENCING SHALL COMPLY WITH BS 1722 PART 12

2. ALL STEEL TO BE GRADE 43A GALVANISED AND PAINTED OR POWDER COATED AS SPECIFIED IN THE CONTRACT.

3. FOUNDATIONS SHALL BE 1000x1500x600mm DEEP FOR FENCES UPTO 2m HIGH AND 1200x1500x1000mm DEEP FOR FENCES UPTO 3m HIGH. CLASS ST2 CONCRETE TO BE USED

4. PALES SHALL BE W SECTION WITH TOPS POINTED SPLIT AND FANGED PRIOR TO GALVANISING.

5. ALL BOLTS AND FASTENERS SHALL BE GALVANISED TO BS 729

6. ALL POSTS SHALL BE VERTICAL

7. TWO INTERMEDIATE SUPPORTS SHALL BE PROVIDED AS SHOWN. THESE SHALL BE 40x40x6mm RSA CAST INTO IN-SITU CONCRETE SILL.

8. DURING ERECTION OF FENCE THE BOTTOM RAIL SHALL BE TEMPORARILY PROPPED TO GIVE A SLIGHT UPWARD CAMBER PRIOR TO THE TIGHTENING OF BOLTS AND CASTING OF POST BASES. TEMPORARY PROPS SHALL NOT BE REMOVED UNTIL BASES ARE SET

9. STEEL PALISADE GATES SHALL BE OF SIMILAR HEIGHT AND TYPE TO THE ADJACENT FENCE AND SHALL COMPLY WITH BS 1722 PART 12 IN ADDITION. THE HINGES SHALL BE SUCH THAT SPECIAL EQUIPMENT IS REQUIRED TO REMOVE THE GATES IN ANY POSITION.

10. GATE FRAMES ARE TO BE CONTINUOUSLY WELDED AT JOINTS WITH 100mm FILLETS WELDED INTO CORNERS.

11. PALES ARE TO BE WELDED TO THE GATE FRAME AT POINTS OF CONTACT.

12. CONCRETE BASES ARE TO BE OF SAME DIMENSIONS AS BASES OF ADJACENT FENCE.

13. DROP BOLTS ARE TO BE FITTED SUCH THAT THE CLOSING OF THE SECOND LEAF PREVENTS THE OPERATION OF THE DROP BOLT ON THE OTHER LEAF.

14. THE GATES ARE TO BE SUPPLIED WITH A PADLOCK WHICH IS ACCESSABLE FROM THE HIGHWAY SIDE ONLY.

15. CONTRACTOR TO PROVIDE ADDITIONAL CROSS BRACING TO ALL 9.0m WIDE SECURITY GATES TO THE APPROVAL OF THE ENGINEER. BRACING MEMBERS TO BE OF SAME SPECIFICATION AS FOR THE FRAME MEMBERS.

FRAMEWORK CONTRACT FOR HIGHWAY WORKS - MINOR WORKS CONTRACT

| GATE MEMBER DIMENSIONS | | | | | |
|------------------------|---------------|---------------|------------------|-------|-----|
| FENCE HEIGHT H | SECTION PALES | FRAME MEMBERS | | POSTS | |
| | | W=3.5m | W=3.5m | A | B |
| 2.0 m | 70x20 x 2.0mm | 60x40x4 RHS | 203x203 x60kg UC | 275 | 200 |
| 3.0 m | 70x70 x 3.0mm | 90x50x3.6 RHS | 203x203 x86kg UC | 475 | 380 |

STEEL PALISADE SECURITY GATE