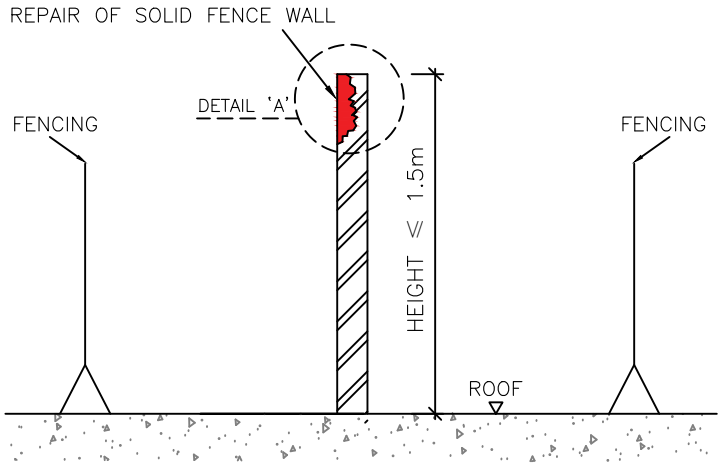
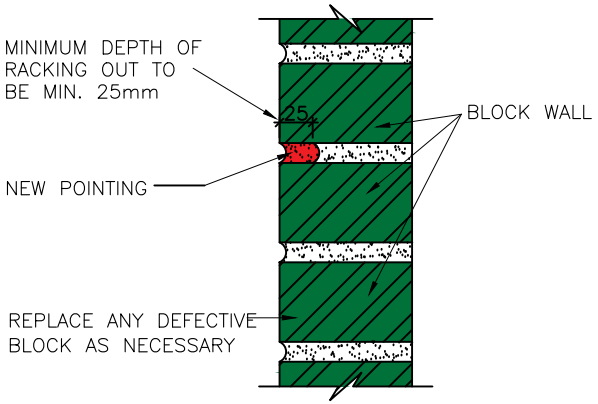


ELEVATION



DETAIL 'A'
(FOR BLOCK WALL)

GENERAL NOTES :

1. The works carried out shall comply with the Buildings Ordinance and the provisions of other enactment. (Reference can be made to the examples listed in Sections 3 and 10 of the Guidelines.)
2. All works shall comply with the following CoP/ standards:
   - Building (Construction) Regulations
   - Code of Practice for Structural Use of Concrete 2013
   - Concrete shall comply with CS1:2010
3. Concrete grade and the minimum cover shall be grade 30 and 25mm respectively.
4. Steel reinforcement shall be high yield type II deformed bar with the characteristic strength of 500 N/mm^2 and comply with CS2: 2012.
5. Minimum anchorage and lap length are 52 X diameter of the existing rebar unless otherwise specified.

PREPARATION :

1. Obtain the existing design drawings/ information for reference.
2. Inform the utilities company or sector as necessary.
3. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
4. Obtain the original design of the approved structure for reference of any required reinstatement works.

SAFETY AND PRECAUTIONARY MEASURES :

1. Fence–off the working area from the public.
2. Bamboo scaffolds details shall refer to the following figures as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold

WORKING PROCEDURES :

For Block Wall

1. Locate the defective area on wall by visual inspection and saw cut around the area to be repaired.
2. Remove the defective part using hand–held mechanical tools.
3. Rack out the defective/ loosen mortar along the fault line on the block wall to a minimum depth of 25mm. Replace any defective blocks by new blocks.
4. Apply pointing in cement and sand (1:1) to the exposed joints.
5. Apply 20mm thick rendering (cement : sand = 1:3) to the wall as necessary.
6. Make good and reinstate the affected areas of the parent building.
7. Dismantle the bamboo scaffold and clean the site.

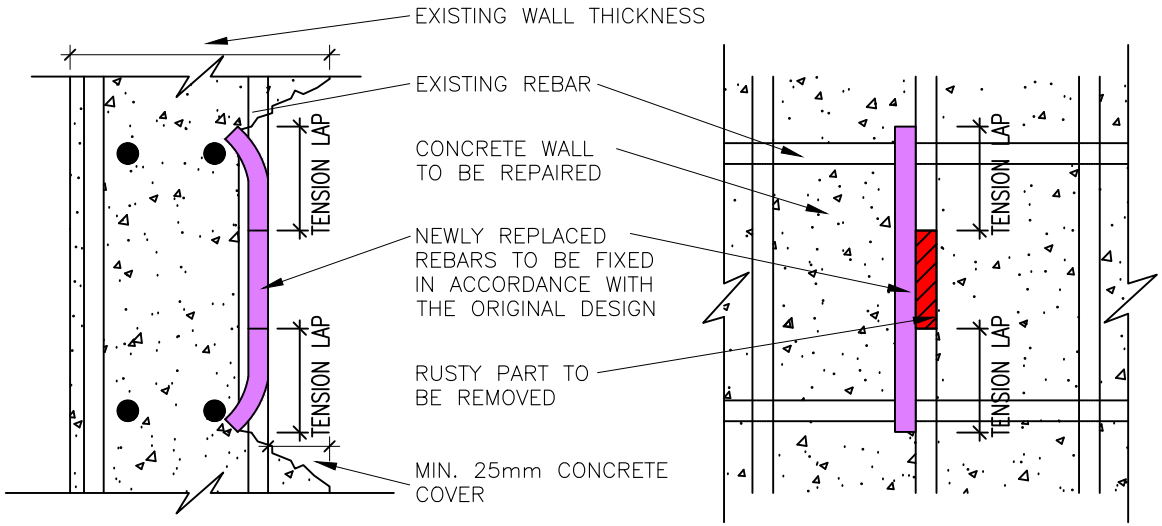
For R.C. Wall

1. Saw cut and hack off finishes/concrete at the repair area using hand held mechanical tools to expose the steel bar and sound concrete substrate.
2. Remove rust on the steel bar and apply primer to steel bar. If the corroded steel bar is found substantially less than its original size after derusting, replacement of the steel bar with the same size is required. The lap length for the existing/ new steel bar shall be dependent on the type of repair mortar adopted and shall be in accordance with the supplier's instructions
3. Apply bonding coat and proprietary specialized repair mortar system according to supplier's instructions.
4. Repeat procedure 1 to 3 to both vertical and horizontal rebars.
5. Make good and reinstate the affected areas of the parent building.
6. Remove the fence and clean the site.

Remarks :

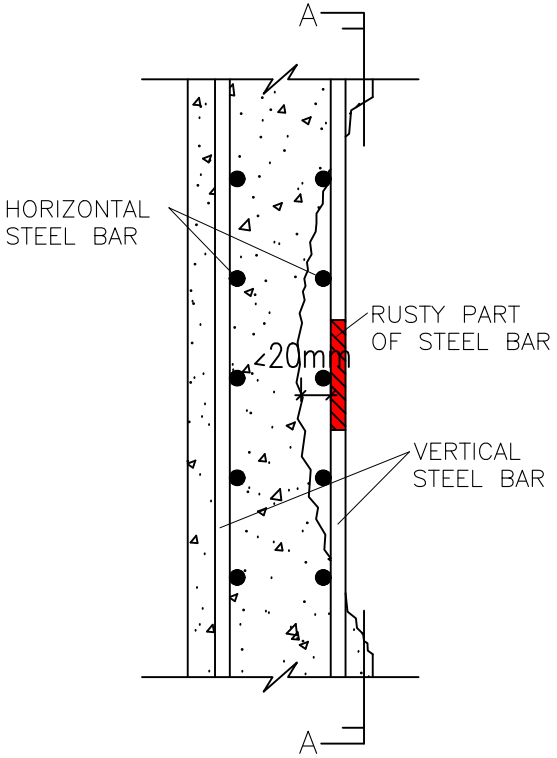
1. This case excludes DEW item 20.
2. The wall is not used as a protective barrier.

MINOR WORKS ITEM 3.61	DRAWING TITLE : REPAIR OF SOLID FENCE WALL ON THE ROOF OF A BUILDING	SHEET 1 OF 2



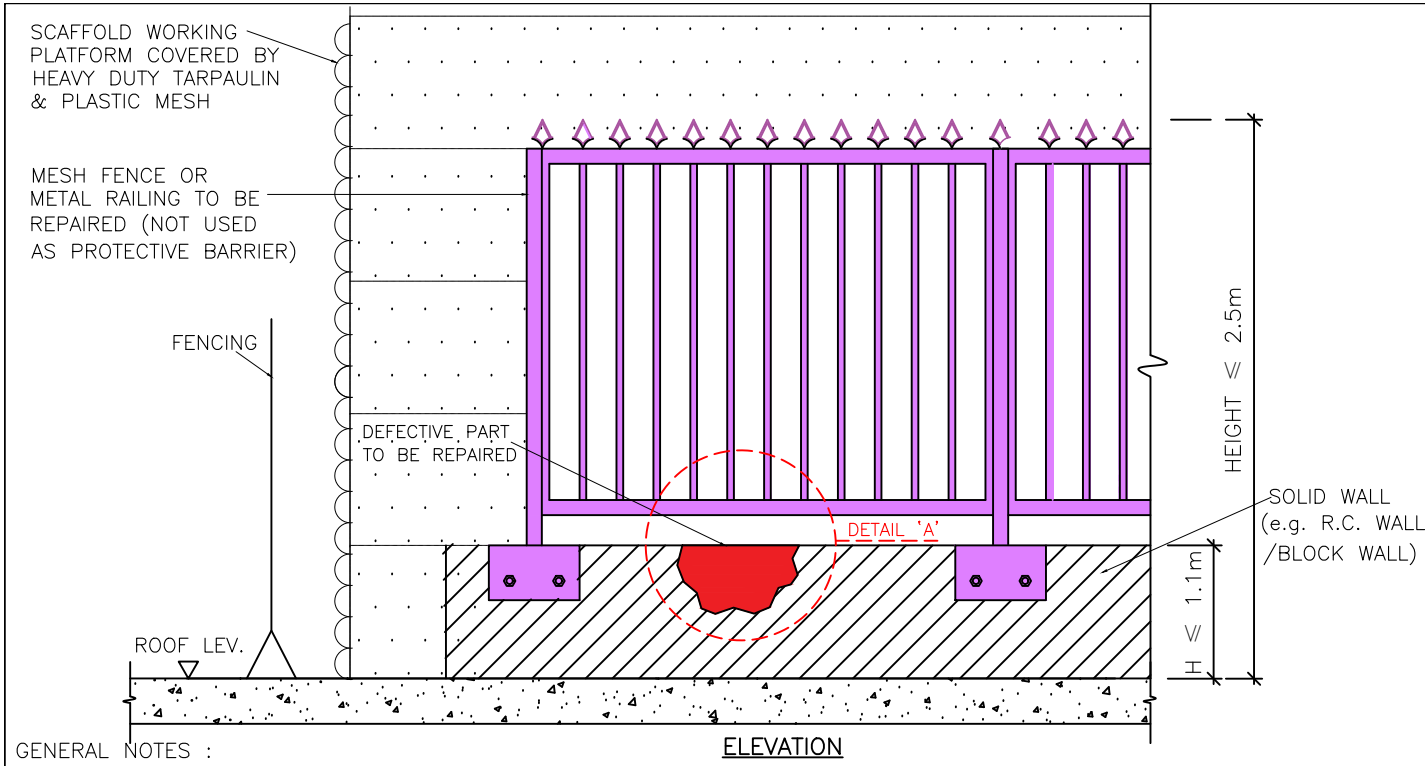
REPLACEMENT OF DETERIORATED REBAR AT R.C. WALL

SECTION A – A



DETAIL 'A' – REPAIRING OF R.C. WALL

MINOR WORKS ITEM 3.61	DRAWING TITLE : REPAIR OF SOLID FENCE WALL ON THE ROOF OF A BUILDING	SHEET 2 OF 2



ELEVATION

GENERAL NOTES :

1. The works carried out shall comply with the Buildings Ordinance and the provisions of other enactment.
2. All works shall comply with the following CoP/ standards:
   - Building (Construction) Regulations
   - Code of Practice for the Structural Use of Steel 2011
   - Code of Practice for Structural Use of Concrete 2013
   - Concrete shall comply with CS1:2010
3. All structural steel to be grade S275 J0/J0H complying with BS EN 10210 for hollow sections, BS EN 10056 for angles, BS EN 10029 for plates and BS EN 10025 for other sections and shall be hot dip galvanized to BS EN ISO 1461: 2009.
4. All welds should be comply with BS EN 1011–1: 2009 and all welding works to be carried out by qualified welder.
5. Concrete grade and the minimum cover shall be grade 30 and 25mm respectively.
6. Steel reinforcement shall be high yield type II deformed bar with the characteristic strength of 500 N/mm^2 and comply with CS2: 2012
7. Minimum ancharage and lap length are 52 x diameter of the existing rebar unless otherwise specified.

PREPARATION :

1. Obtain the existing design drawings/ information for reference.
2. Inform the utilities company or sector as necessary.
3. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
4. Obtain the original design of the approved structure for reference of any required reinstatement works.

SAFETY AND PRECAUTIONARY MEASURES :

1. Fence–off the working area from the public.
2. Bamboo scaffolds details shall refer to the following figures as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold

WORKING PROCEDURES :

For mesh fence/ metal railing:

1. Disconnect all services in vicinity that may be affected by the works.
2. Dismantle the defective steel member by hand tools to manageable size for disposed.
3. Debris from removal works should be put into bags and disposed as construction waste, do not stored any waste on the roof.
4. Repair the mesh fence or metal railing.
5. Make good and reinstate the affected areas where necessary.
6. Remove the fence and clean the site.

For Block Wall

1. Dismantle the part of metal fence/ railing which may be affected by the repair works.
2. Locate the defective area on wall by visual inspection and saw cut the rendering around the area to be repaired.
3. Remove the defective part using hand–held mechanical tools.
4. Rack out the defective/ loosen mortar along the fault line on the block wall to a minimum depth of 25mm.
5. Replace the defective blocks.
6. Apply pointing in cement and sand (1:3) to the exposed joints.
7. Reinstall the metal fence/ railing.
8. Make good and reinstate the affected areas of the parent building.
9. Dismantle the bamboo scaffold and clean the site.

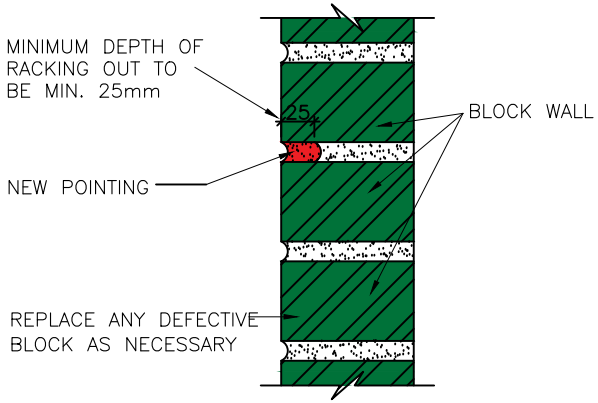
For R.C. Wall

1. Dismantle the part of mesh fence/railing which may be affected by the repair works.
2. Saw cut and hack off finishes/concrete at the repair area using hand held mechanical tools to expose the steel bar and sound concrete substrate.
3. Remove rust on the steel bar and apply primer to steel bar. If the corroded steel bar is found substantially less than its original size after derusting, replacement of the steel bar with the same size is required. The lap length for the existing/ new steel bar shall be dependent on the type of repair mortar adopted and shall be in accordance with the supplier's instructions
4. Apply bonding coat and proprietary specialized repair mortar system according to supplier's instructions.
5. Repeat procedure 1 to 3 to both vertical and horizontal rebars.
6. Reinstall the metal fence/ railing.
7. Make good and reinstate the affected areas of the parent building.
8. Remove the bamboo scaffold and clean the site.

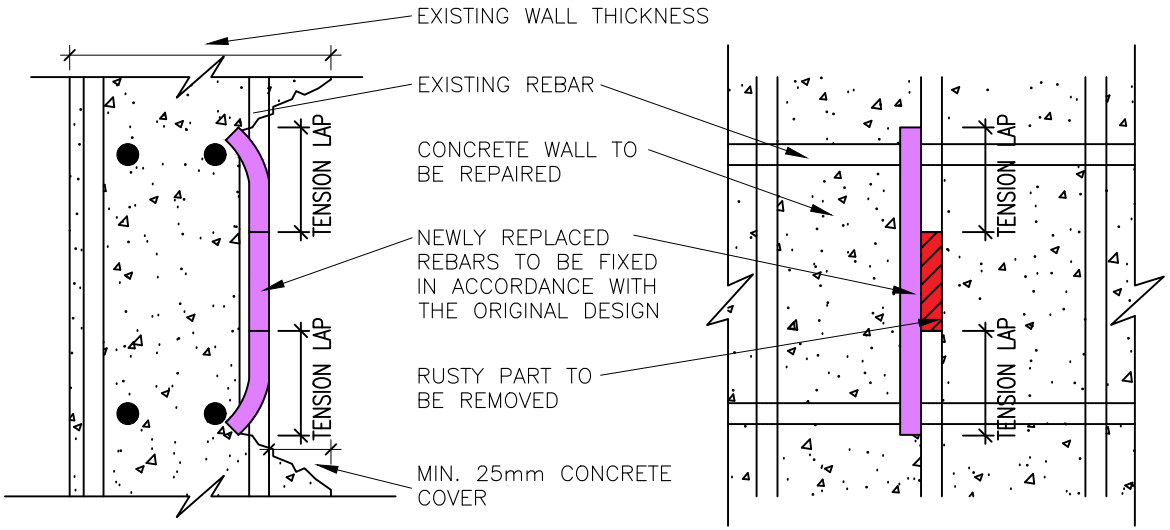
Remarks :

1. This case excludes DEW item 18.
2. The mesh fence or metal railing is not used as a protective barrier.

MINOR WORKS ITEM 3.62	DRAWING TITLE : REPAIR OF MESH FENCE OR METAL RAILING (WITH OR WITHOUT A SOLID FENCE WALL AS ITS LOWER PART) ON THE ROOF OF A BUILDING	SHEET 1 OF 2

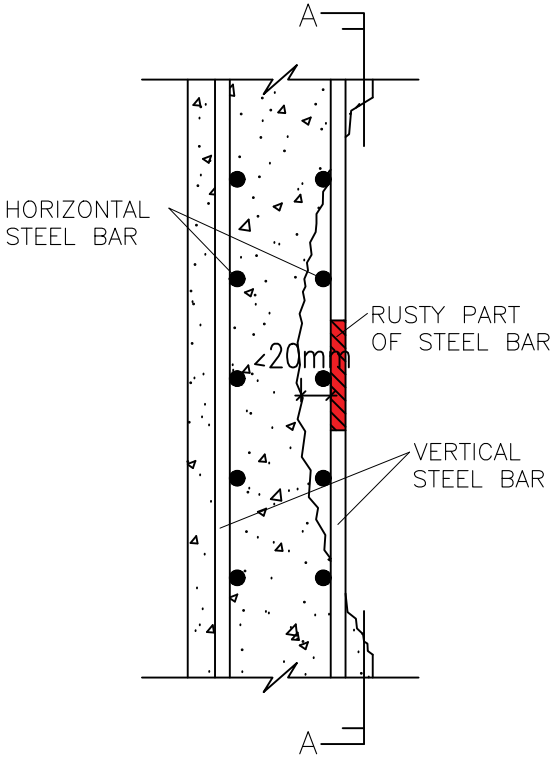


DETAIL 'A'
(FOR BLOCK WALL)



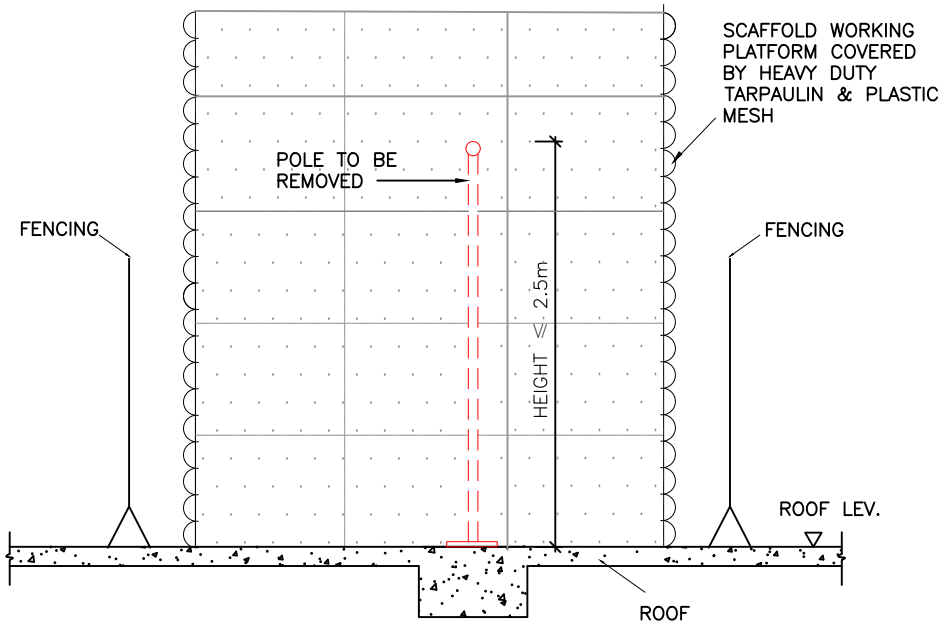
REPLACEMENT OF DETERIORATED
REBAR AT R.C. WALL

SECTION A – A



DETAIL 'A' –
REPAIRING OF R.C.
WALL

MINOR WORKS ITEM 3.62	DRAWING TITLE : REPAIR OF MESH FENCE OR METAL RAILING (WITH OR WITHOUT A SOLID FENCE WALL AS ITS LOWER PART) ON THE ROOF OF A BUILDING	SHEET 2 OF 2



ELEVATION

GENERAL NOTES :

1. The works carried out shall comply with the Buildings Ordinance and the provisions of other enactment. (Reference can be made to the examples listed in Sections 3 and 10 of the Guidelines.)

PREPARATION WORKS :

1. Carry out condition survey of the parent structure/existing condition prior to the commencement of works.
2. Obtain the original design of the approved structure for reference of any required reinstatement works.
3. Inform utilities company or sector as necessary.

SAFETY AND PRECAUTIONARY MEASURES :

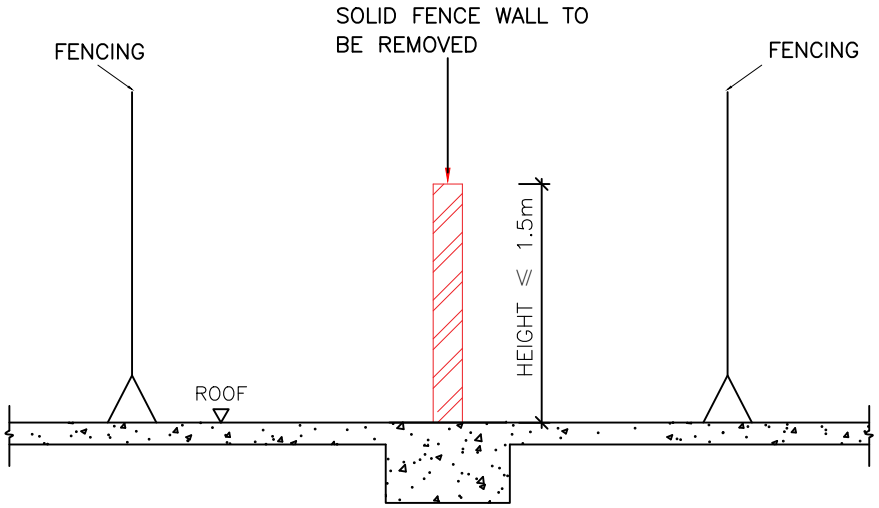
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figures as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold
3. No accumulation of demolished parts should be stored on roof.
4. Reference shall be made to Code of Practice for Demolition of Building 2004.

WORKING PROCEDURES :

1. Disconnect all services in vicinity that may be affected by the works.
2. Secure the pole by wire & winch to existing structures to prevent the pole collapse suddenly.
3. Remove all features attached to the pole.
4. Cut the pole (if necessary, cut into small piece from top to bottom) and lower down to the roof slowly for construction waste disposal.
5. The removed pole and debris should not be accumulated on the roof and should be disposed as construction waste immediately.
6. Proper disposal shall be at designated disposal facilities provided in Waste Disposal (Charges for Disposal of Construction Waste) Regulation.
7. Make good and reinstate the affected areas (including water proofing layer) of the roof of the building.
8. Dismantle the bamboo scaffold and clean the site.

REMARK : This case excludes the DEW item 19

MINOR WORKS ITEM 3.63	DRAWING TITLE : REMOVAL OF ANY POLE ON THE ROOF OF A BUILDING	



ELEVATION

GENERAL NOTES :

1. The works carried out shall comply with the Buildings Ordinance and the provisions of other enactment. (Reference can be made to the examples listed in Sections 3 and 10 of the Guidelines.)

PREPARATION WORKS :

1. Carry out condition survey of the parent structure/existing condition prior to the commencement of works.
2. Obtain the original design of the approved structure for reference of any required reinstatement works.

SAFETY AND PRECAUTIONARY MEASURES :

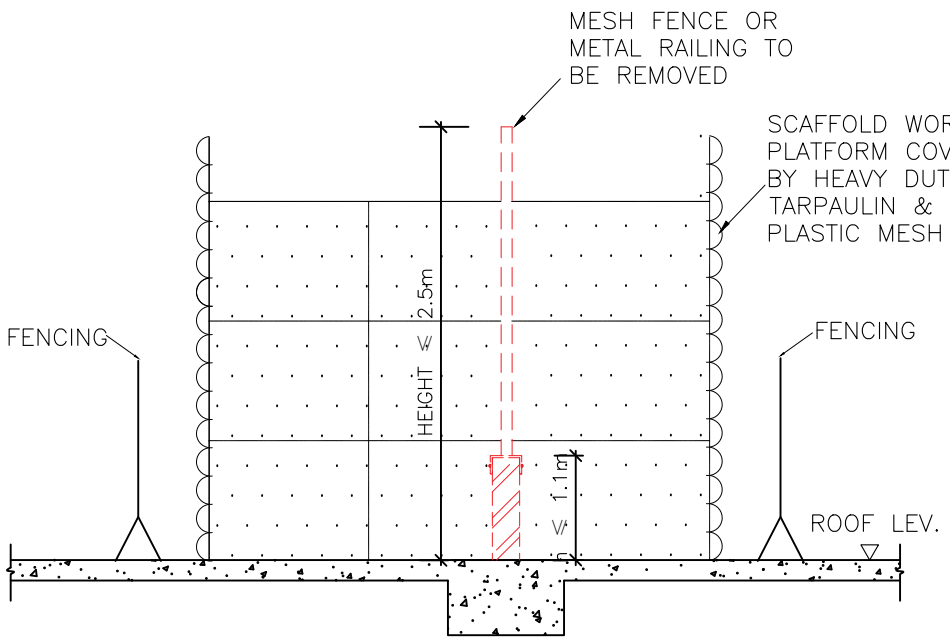
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. No accumulation of demolished parts should be stored on roof.
3. Reference shall be made to Code of Practice for Demolition of Building 2004.

WORKING PROCEDURES :

1. Disconnect all services in vicinity that may be affected by the works.
2. Secure the wall by wire & winch to existing structures to prevent the wall collapse suddenly.
3. Remove all features attached to the wall.
4. Remove the wall (if necessary, cut into small piece from top to bottom and bay by bay). The contractor may refer to Figure 4.6 from Code of Practice for Demolition Works as appropriate.
5. The removed wall and debris should not be accumulated on the roof and should be disposed as construction waste immediately.
6. Proper disposal shall be at designated disposal facilities provided in Waste Disposal (Charges for Disposal of Construction Waste) Regulation.
7. Make good and reinstate the affected areas (including water proofing layer) of the roof of the building.
8. Dismantle the bamboo scaffold and clean the site.

REMARK : This case excludes the DEW item 20

MINOR WORKS ITEM 3.64	DRAWING TITLE : REMOVAL OF ANY SOLID FENCE WALL ON THE ROOF OF A BUILDING	



ELEVATION

GENERAL NOTES :

1. The works carried out shall comply with the Buildings Ordinance and the provisions of other enactment. (Reference can be made to the examples listed in Sections 3 and 10 of the Guidelines.)

PREPARATION WORKS :

1. Carry out condition survey of the parent structure/existing condition prior to the commencement of works.
2. Obtain the original design of the approved structure for reference of any required reinstatement works.

SAFETY AND PRECAUTIONARY MEASURES :

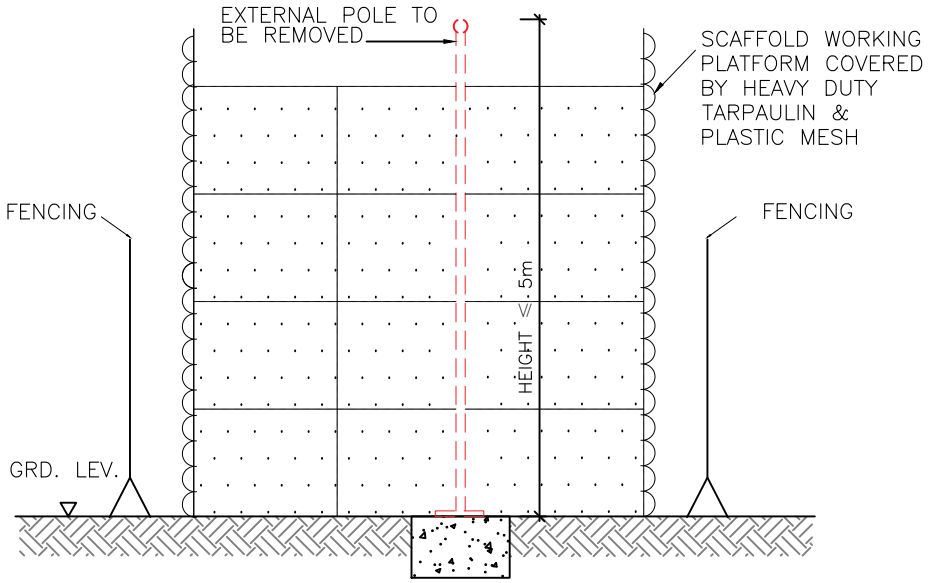
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figures as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold
3. No accumulation of demolished parts should be stored on roof.
4. Reference shall be made to Code of Practice for Demolition of Building 2004.

WORKING PROCEDURES :

1. Disconnect all services in vicinity that may be affected by the works.
2. Secure the mesh fence/metal railing by wire & winch to the existing structures to prevent the metal fence/metal railing collapse suddenly.
3. Remove all loose features attached to the mesh fence or metal railing.
4. Cut the mesh fence/metal railing (if necessary, cut into small piece from top to bottom and removed in bay by bay) and lower down to the roof slowly for construction waste disposal.
5. Remove the wall if any from top to bottom.
6. The removed mesh fence/metal railing should not be accumulated on the roof and be disposed as construction waste immediately.
7. Proper disposal shall be at prescibed facilities as provided in waste disposal (charges for disposal of construction waste) regulation.
8. Make good and reinstate the affected areas (including water proofing layer) of the roof of the building.
9. Dismantle the bamboo scaffold and clean the site.

REMARK : This case excludes the DEW item 18

MINOR WORKS ITEM 3.65	DRAWING TITLE : REMOVAL OF ANY MESH FENCE OR METAL RAILING, WITH OR WITHOUT A SOLID FENCE WALL AS ITS LOWER PART, ON THE ROOF OF A BUILDING	



ELEVATION

GENERAL NOTES :

1. The works carried out shall comply with the Buildings Ordinance and the provisions of other enactment. (Reference can be made to the examples listed in Sections 3 and 10 of the Guidelines.)

PREPARATION WORKS :

1. Carry out condition survey of the parent structure/existing condition prior to the commencement of works.
2. Obtain the original design of the approved structure for reference of any required reinstatement works.
3. Inform utilities company or sector as necessary.

SAFETY AND PRECAUTIONARY MEASURES :

1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figures as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold
3. Reference shall be made to Code of Practice for Demolition of Building 2004.

WORKING PROCEDURES :

1. Disconnect all services in vicinity that may be affected by the works.
2. Secure the pole by wire & winch to existing structures to prevent the pole collapse suddenly.
3. Remove all features attached to the pole.
4. Cut the pole (if necessary, cut into small piece from top to bottom) and lower down to the ground slowly for construction waste disposal.
5. The removed pole should be disposed as construction waste immediately.
6. Proper disposal shall be at designated disposal facilities provided in Waste Disposal (Charges for Disposal of Construction Waste) Regulation.
7. Make good and reinstate the affected areas.
8. Dismantle the bamboo scaffold and clean the site.

REMARK : This case excludes theDEW item 17

MINOR WORKS ITEM 3.66	DRAWING TITLE : REMOVAL OF ANY EXTERNAL POLE ON GRADE	