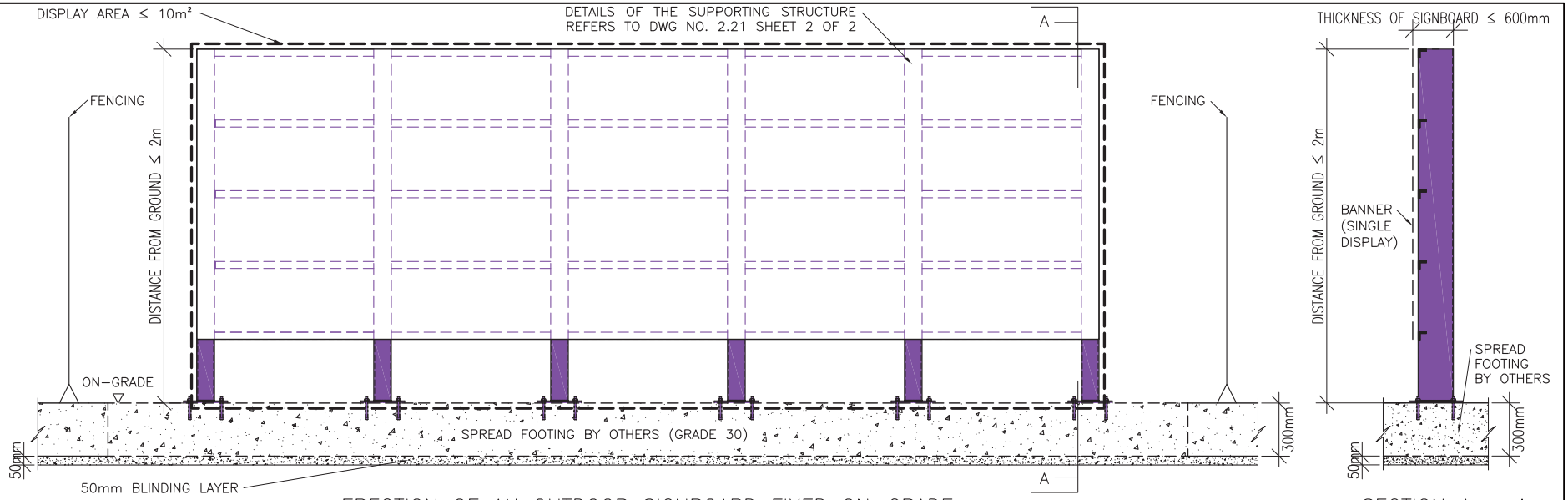


ERECTION OF AN OUTDOOR SIGNBOARD FIXED ON–GRADE

SECTION A – A

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 on Wind Effects in Hong Kong 2004
   - Code of Practice for the Structural Use of Steel 2005
   - Code of Practice for the Structural Use of Concrete 2004
   - Code of Practice for Foundations
3. All structural steel to be grade S275 class 1 to BS EN 10210 for hollow section and BS EN 10025 for others and shall be hot dip galvanized to BS EN ISO 1461.
4. All connections to be 4 mm fillet weld all round or butt weld with weld strength, pw = 220 N/mm² to BS EN 1011 and all electrodes to BS EN ISO 2560.
5. All anchor bolts to be Hilti HSL–3 G M20/30 and shall be installed according to the manufacturer's specification.
6. Existing concrete grade and thickness is assumed to be Grade 20 and 200mm minimum respectively. New concrete grade and cover to be Grade 30 and 75mm respectively. Reinforcement to be high yield deformed bar with Fy = 460 N/mm².
7. All steel members shall be protected with one coat of "UNITHERM 38091" fire resistance paint with thickness of 1.5mm (Hp/A = 175).
8. All banners should be made of non–combustible material and fixed on the horizontal members accordingly.
9. Tolerances such as lack of fit, hole diameter and dimensions etc shall be allowed in accordance with the provision of "Code of Practice for the Structural Use of Steel 2005".

DESIGN LOADS :

1. Dead Load = 1kN/m²
2. Wind Load = 1.82kN/m² with Total pressure coeff. 2.0
3. Allowable bearing capacity of soil is assumed to be 50kN/m²

PREPARATION WORKS :

1. Obtain the existing design drawings/ information of the signboard for reference.
2. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
3. Obtain the original design of the approved structure for reference of any required reinstatement works.
4. The structural adequacy of the supporting structure due to the additional installation of minor works must be checked to the satisfaction of structural requirement prior to the carrying out of minor works.
5. Plastering or rendering should be removed to expose concrete face before installation of anchor bolts and base plate.

SAFETY AND PRECAUTIONARY MEASURES :

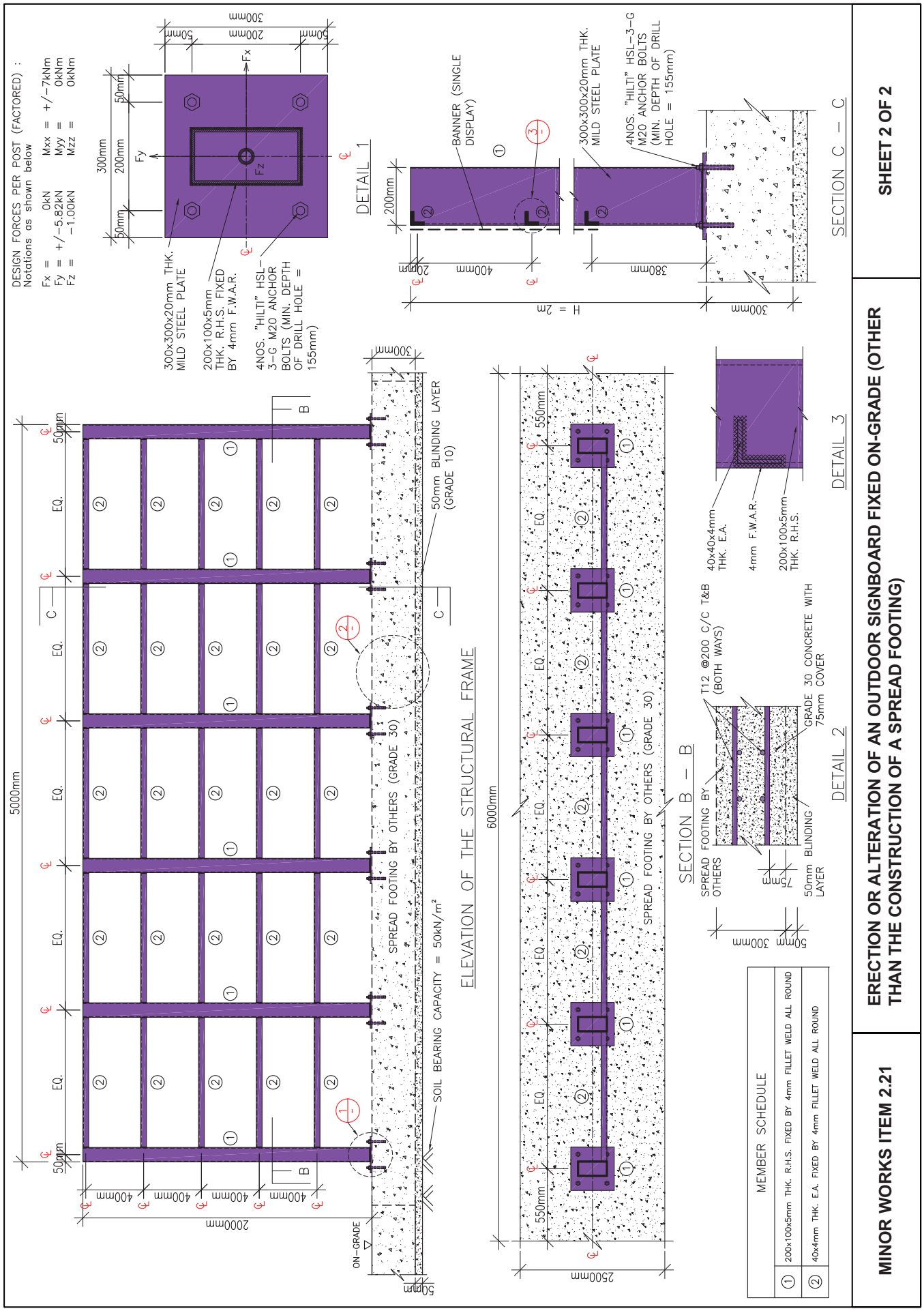
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.

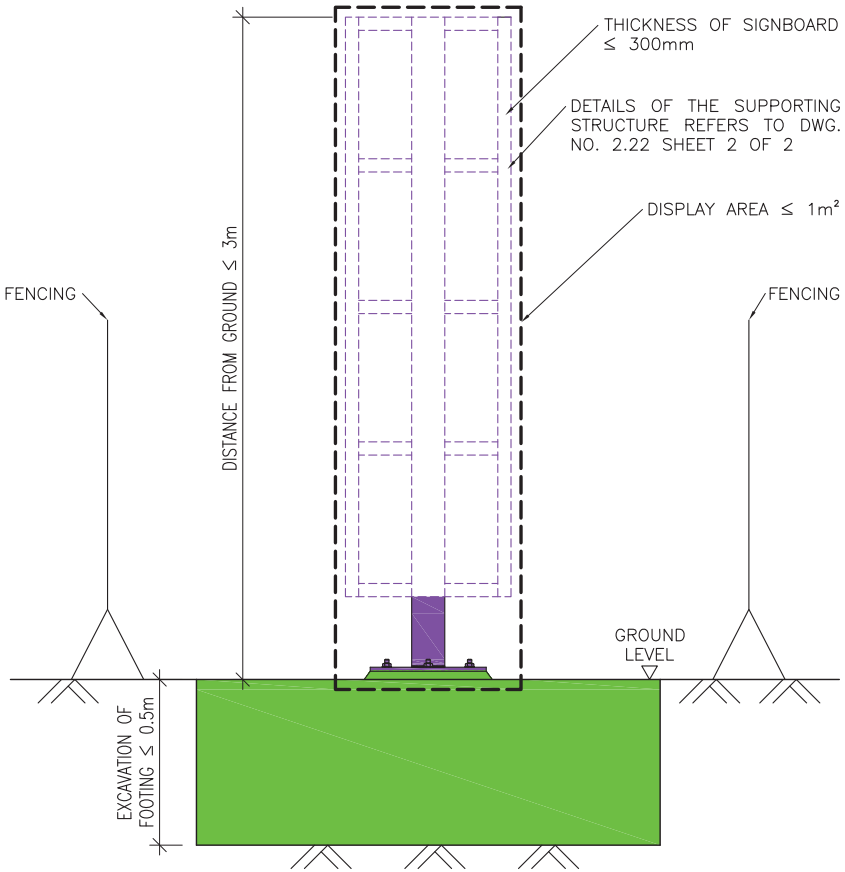
WORKING PROCEDURES :

A. Erection
   1. Install the signboard as per the drawing.
   2. Make good and reinstate the affected areas of the parent building.
   3. Dismantle the bamboo scaffold and clean the site.

B. Alteration
   1. Remove the display surface/ loose parts from the signboard.
   2. Remove the defective member and replace with a new member having the same size of the existing member.
   3. Make good and reinstate the affected areas of the parent building.
   4. Dismantle the bamboo scaffold and clean the site.

MINOR WORKS ITEM 2.21	ERECTION OR ALTERATION OF AN OUTDOOR SIGNBOARD FIXED ON-GRADE (OTHER THAN THE CONSTRUCTION OF A SPREAD FOOTING)	SHEET 1 OF 2


DESIGN FORCES PER POST (FACTORED) :
Notations as shown below
Fx = 0kN Mxx = +/−7kNm
Fy = +/−5.82kN Myy = 0kNm
Fz = −1.00kN Mzz = 0kNm
300mm
200mm
50mm
Fy
Fx
Fz
300x300x20mm THK. MILD STEEL PLATE
200x100x5mm THK. R.H.S. FIXED BY 4mm F.W.A.R.
4NOS. "HILTI" HSL−3−G M20 ANCHOR BOLTS (MIN. DEPTH OF DRILL HOLE = 155mm)
DETAIL 1
BANNER (SINGLE DISPLAY)
300x300x20mm THK. MILD STEEL PLATE
4NOS. "HILTI" HSL−3−G M20 ANCHOR BOLTS (MIN. DEPTH OF DRILL HOLE = 155mm)
200mm
400mm
380mm
H = 2m
300mm
SECTION C − C
5000mm
EQ.
2000mm
400mm
SPREAD FOOTING BY OTHERS (GRADE 30)
50mm BLINDING LAYER (GRADE 10)
SOIL BEARING CAPACITY = 50kN/m²
ON−GRADE
ELEVATION OF THE STRUCTURAL FRAME
6000mm
550mm
2500mm
SECTION B − B
DETAIL 2
T12 @200 C/C T&B (BOTH WAYS)
GRADE 30 CONCRETE WITH 75mm COVER
SPREAD FOOTING BY OTHERS
50mm BLINDING LAYER
75mm
300mm
50mm
40x40x4mm THK. E.A.
4mm F.W.A.R.
200x100x5mm THK. R.H.S.
DETAIL 3
MEMBER SCHEDULE
① 200x100x5mm THK. R.H.S. FIXED BY 4mm FILLET WELD ALL ROUND
② 40x4mm THK. E.A. FIXED BY 4mm FILLET WELD ALL ROUND
MINOR WORKS ITEM 2.21
ERECTION OR ALTERATION OF AN OUTDOOR SIGNBOARD FIXED ON-GRADE (OTHER THAN THE CONSTRUCTION OF A SPREAD FOOTING)
SHEET 2 OF 2



ERECTION

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 on Wind Effects in Hong Kong 2004
   - Code of Practice for the Structural Use of Steel 2005
   - Code of Practice for the Structural Use of Concrete 2004
   - Code of Practice for Foundations
3. All structural steel to be grade S275 class 1 to BS EN 10210 and shall be hot dip galvanized to BS EN ISO 1461.
4. All connections to be 4 mm fillet weld all round or butt weld with weld strength, pw = 220 N/mm² to BS EN 1011 and all electrodes to BS EN ISO 2560.
5. All anchor bolts to be Hilti HSA-R M20 and shall be installed according to the manufacturer's specification.
6. All concrete works shall comply with CS1.
7. Existing concrete grade and concrete cover are assumed to be Grade 30 and 75mm respectively.
8. Steel reinforcement shall comply with CS2:1995 and shall be bent in accordance with BS 4466.
9. Minimum anchorage and lap length are 600mm unless otherwise specified.
10. Minimum allowable ground pressure to be 50 kN/m².
11. All steel members shall be protected with one coat of "UNITHERM 38091" fire resistance paint with thickness of 1.5mm (Hp/A = 175).
12. All banners should be made of non-combustible material.
13. Tolerances such as lack of fit, hole diameter and dimensions etc shall be allowed in accordance with the provision of "Code of Practice for the Structural Use of Steel 2005".

DESIGN LOADS :

1. Dead Load = 1.00kN
2. Wind Load = 1.82kN/m² with total pressure coeff. 2.0 (5m above site ground level)

DESIGN DIMENSIONS :

A = 1.75m, B = 0.5m

PREPARATION WORKS:

1. Obtain the existing design drawings/ information of the signboard for reference.
2. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
3. If the signboard consists of light emitting diodes, disconnect the power to the signboard before the commencement of works.
4. The structural adequacy of the supporting parent structure due to the additional installaiton of minor works must be checked to the satisfaction of structural requirement prior to the carrying out of minor works.
5. Plastering or rendering should be removed to expose concrete face before installation of anchor bolts and base plate.

SAFETY AND PRECAUTIONARY MEASURES :

1. Fence-off the working area from the public. Diversion arrangement shall be taken if necessary.

WORKING PROCEDURES :

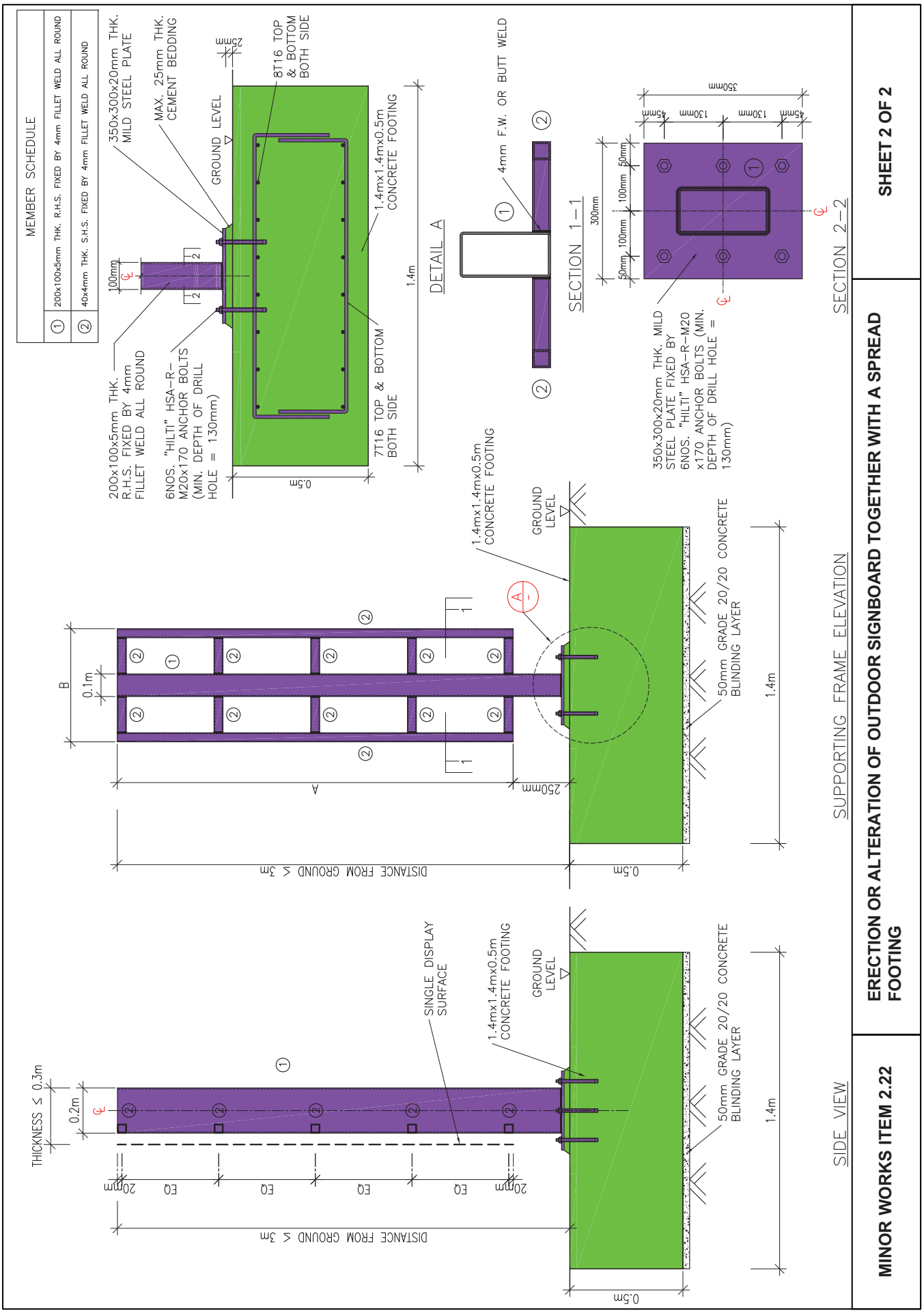
A. Erection
   1. Install the signboard as per the drawing.
   2. Make good and reinstate the affected areas, if any, and clean the site.

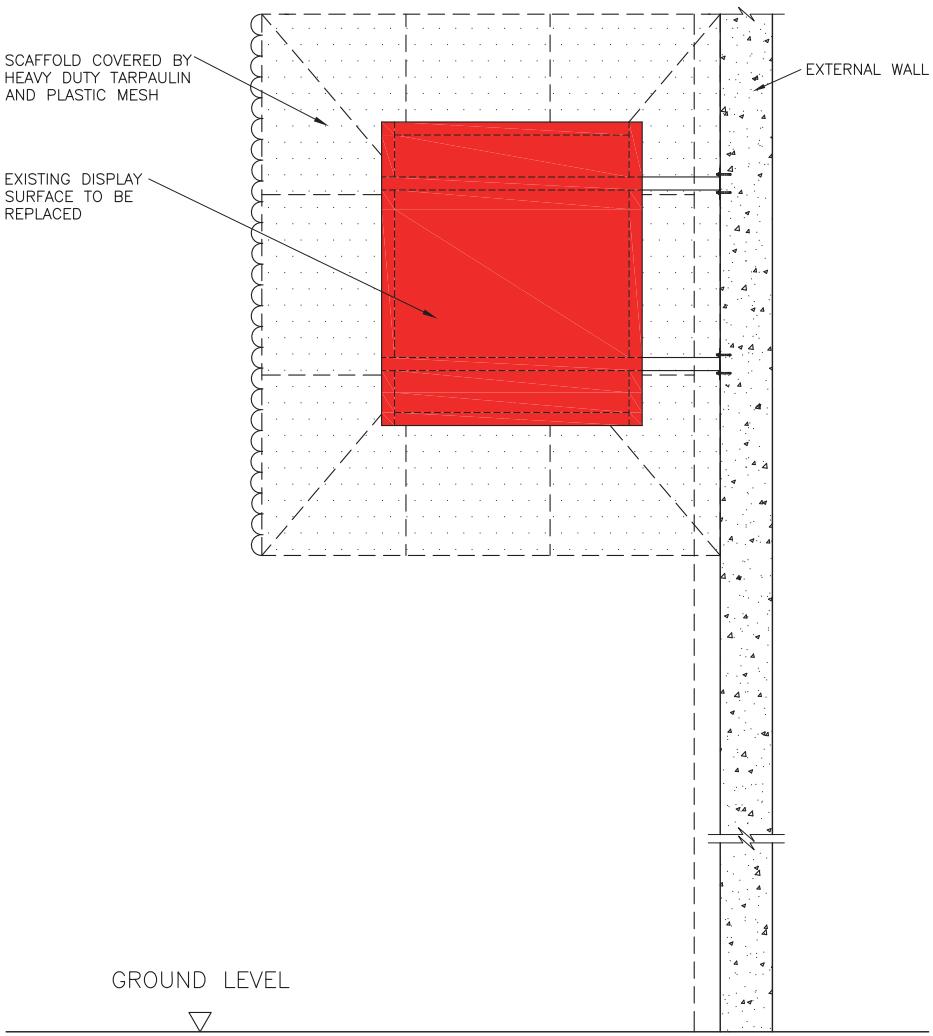
B. Alteration
   1. Remove the display surface/ loose parts from the signboard.
   2. Remove the defective member and replace with a new member having the same size of the existing member.
   3. Make good and reinstate the affected areas, if any, and clean the site.

REMARKS :

1. The works do not involve excavation within area number 1 or 3 of the scheduled areas.
2. Reference shall be made to minor works item 2.10 for the construction of spread footing.

MINOR WORKS ITEM 2.22	ERECTION OR ALTERATION OF OUTDOOR SIGNBOARD TOGETHER WITH A SPREAD FOOTING	SHEET 1 OF 2


MEMBER SCHEDULE
① 200x100x5mm THK. R.H.S. FIXED BY 4mm FILLET WELD ALL ROUND
② 40x4mm THK. S.H.S. FIXED BY 4mm FILLET WELD ALL ROUND
350x300x20mm THK. MILD STEEL PLATE
MAX. 25mm THK. CEMENT BEDDING
GROUND LEVEL
25mm
8T16 TOP & BOTTOM BOTH SIDE
1.4mx1.4mx0.5m CONCRETE FOOTING
100mm
200x100x5mm THK. R.H.S. FIXED BY 4mm FILLET WELD ALL ROUND
6NOS. "HILTI" HSA-R-M20x170 ANCHOR BOLTS (MIN. DEPTH OF DRILL HOLE = 130mm)
7T16 TOP & BOTTOM BOTH SIDE
1.4m
0.5m
DETAIL A
4mm F.W. OR BUTT WELD
SECTION 1–1
SECTION 2–2
350mm
45mm
130mm
300mm
50mm
100mm
350x300x20mm THK. MILD STEEL PLATE FIXED BY 6NOS. "HILTI" HSA-R-M20 x170 ANCHOR BOLTS (MIN. DEPTH OF DRILL HOLE = 130mm)
SUPPORTING FRAME ELEVATION
1.4mx1.4mx0.5m CONCRETE FOOTING
GROUND LEVEL
50mm GRADE 20/20 CONCRETE BLINDING LAYER
B
0.1m
A
250mm
1.4m
DISTANCE FROM GROUND ≤ 3m
SIDE VIEW
SINGLE DISPLAY SURFACE
THICKNESS ≤ 0.3m
0.2m
20mm
EQ
SHEET 2 OF 2
ERECTION OR ALTERATION OF OUTDOOR SIGNBOARD TOGETHER WITH A SPREAD FOOTING
MINOR WORKS ITEM 2.22



GENERAL NOTES :

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. Obtain the original design drawings/ information for reference prior to the commencement of works
2. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
3. Check the catalogue of the new display surface to ensure it is suitable for replacement.

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 figure as shown on drawing no. GN–1.
   - Figure 5 Bamboo scaffold for signboard

WORKING PROCEDURES :

1. Remove the display surface and re–install the new surface using the same fixing method.
2. Make good and reinstate the affected areas of the parent building.
3. Dismantle the bamboo scaffold and clean the site.

MINOR WORKS ITEM 2.23	REPLACEMENT OF THE DISPLAY SURFACE OF SIGNBOARD REFERRED TO IN ITEM 1.20, 1.21, 1.22, 1.23, 2.18, 2.19, 2.20, 2.21 OR 2.22

GENERAL NOTES :

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. Obtain the existing design drawings/ information of the signboard for reference.
2. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
3. If the signboard consists of light emitting diodes, disconnect the power connected to the signboard before commencement of works.
4. Obtain the original design of the approved structure for reference of any required reinstatement works.

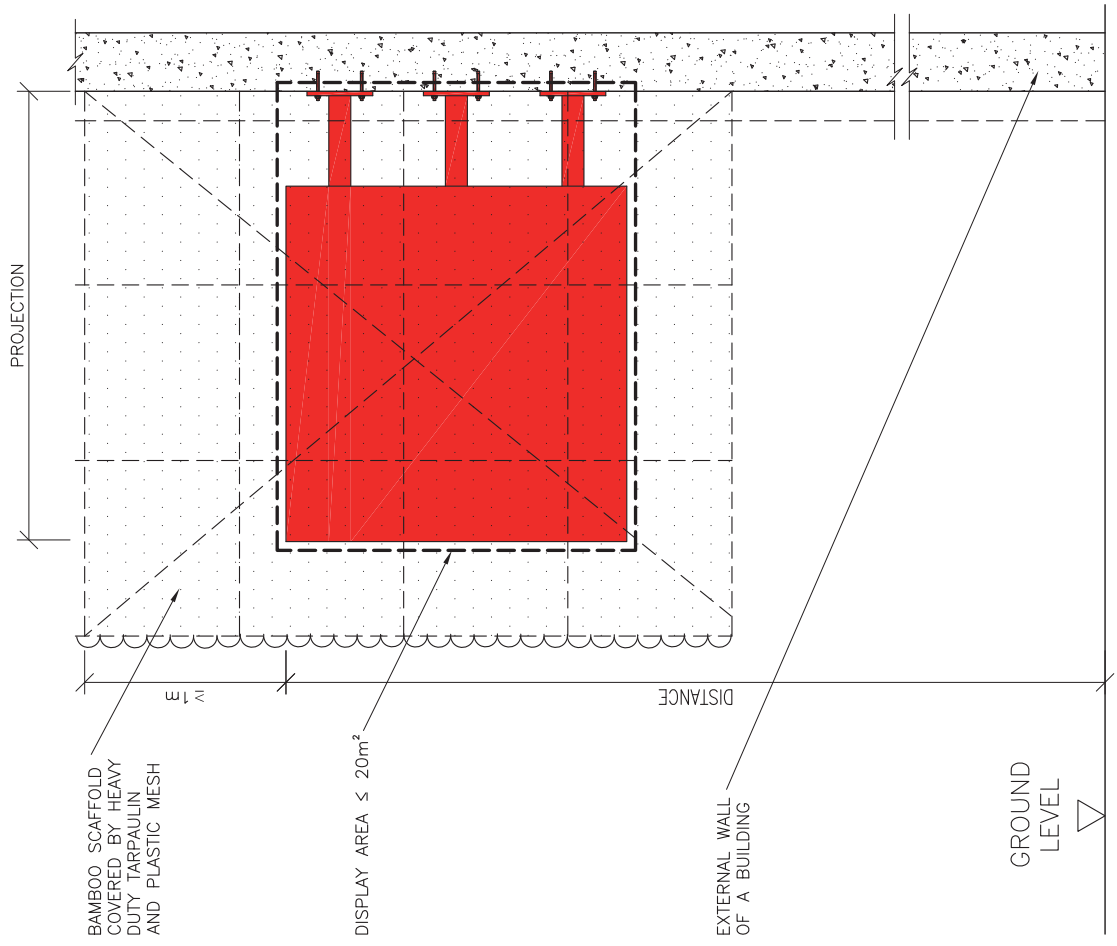
SAFETY AND PRECAUTIONARY MEASURES :

1. Fence-off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figure as shown on drawing no. GN-1.
   - Figure 5 Bamboo scaffold for signage

WORKING PROCEDURES :

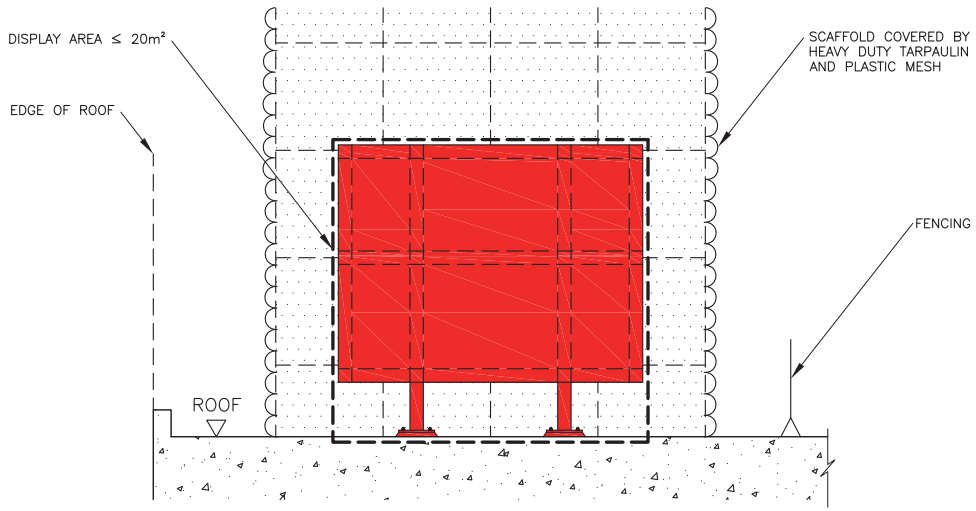
1. Remove the display surface/ loose parts from the signboard.
2. Remove the supporting frame of the signboard by cutting the member into smaller size for construction waste disposal.
3. The removal works shall commence from the outmost side to the supporting ends at the parent structure.
4. Make good and reinstate the affected areas of the parent building.
5. Dismantle the bamboo scaffold and clean the site.

Remarks: This case excludes minor works item 3.18

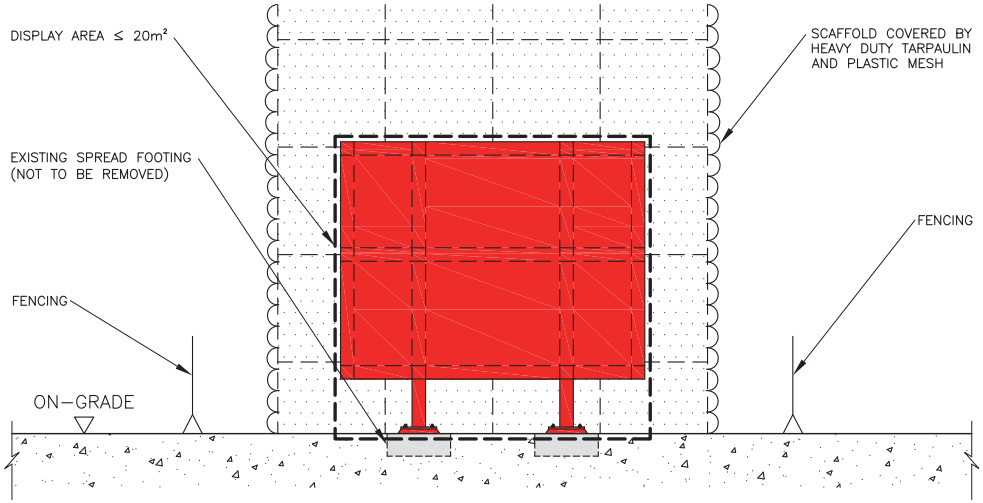


MINOR WORKS ITEM 2.24

REMOVAL OF PROJECTING SIGNBOARD



ON ROOF



ON–GRADE (OTHER THAN THE REMOVAL OF THE SPREAD FOOTING OF ANY OUTDOOR SIGNBOARD)

GENERAL NOTES :

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. Obtain the existing design drawings/ information of the signboard for reference.
2. If the signboard consists of light emitting diodes, disconnect all the power connected to the signboard before the commencement of any works.
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 :

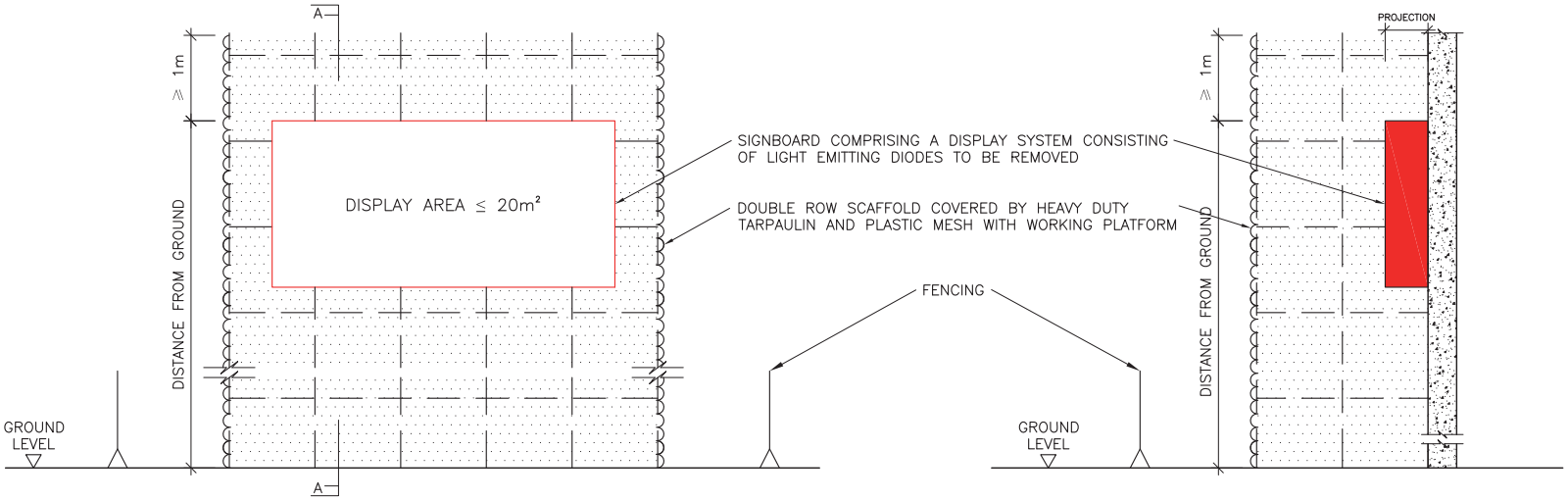
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figure as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold

WORKING PROCEDURES :

1. Remove the display board.
2. Remove the remaining structures of the signboard using hand held tools for subsequent construction waste disposal.
3. Make good and reinstate the affected areas.
4. Dismantle the bamboo scaffold and clean the site.

Remarks: This case excludes minor works item 3.19 or 3.22.

MINOR WORKS ITEM 2.25	REMOVAL OF SIGNBOARD LOCATED ON THE ROOF OF A BUILDING, OR ON ANY OUTDOOR SIGNBOARD FIXED ON-GRADE (OTHER THAN THE REMOVAL OF THE SPREAD FOOTING OF ANY OUTDOOR SIGNBOARD)



GENERAL NOTES :

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. Obtain the existing design drawings/ information of the signboard for reference.
2. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
3. If the signboard consists of light emitting diodes, disconnect the power connected to the signboard before the commencement of works.
4. Obtain the original design of the approved structure for reference of any required reinstatement works.

SAFETY AND PRECAUTIONARY MEASURES :

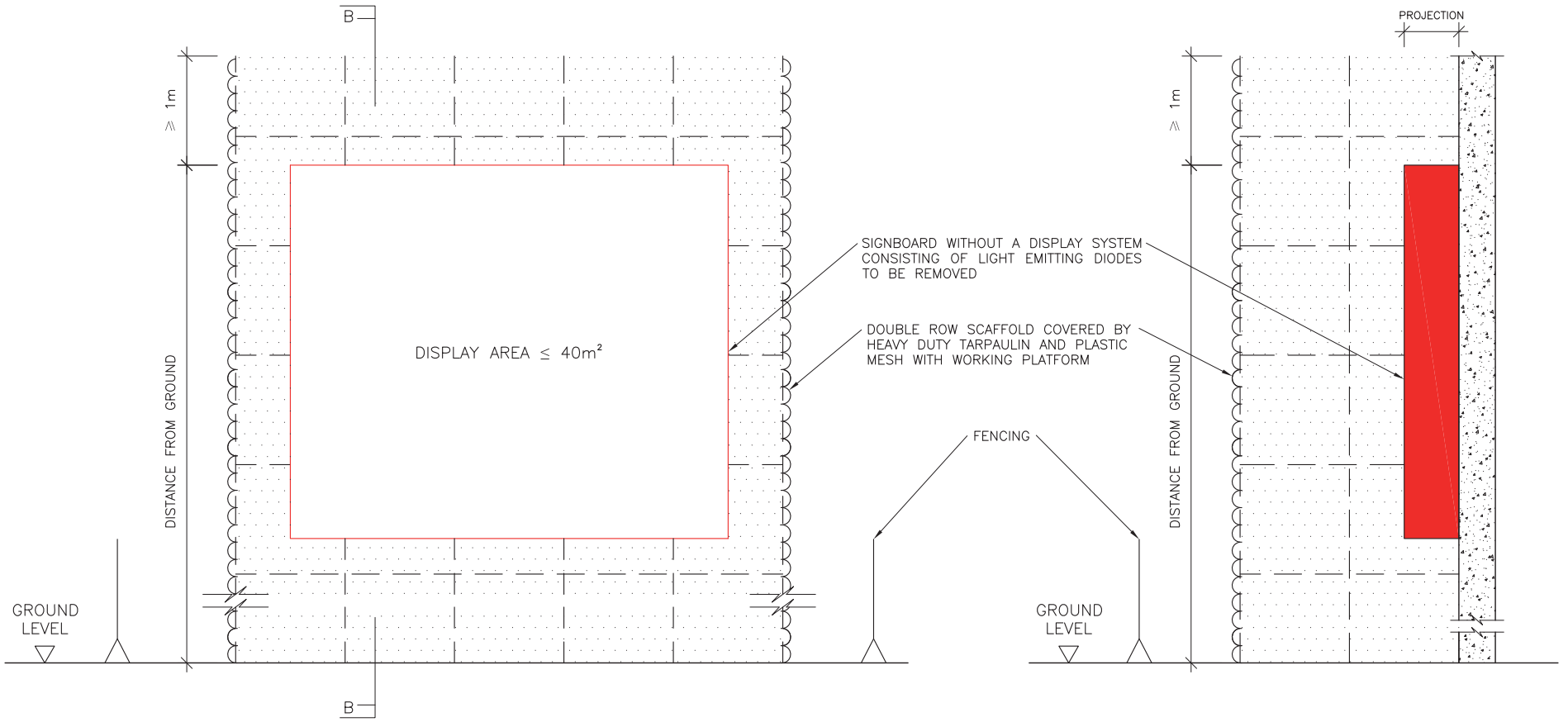
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figure as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold

WORKING PROCEDURES :

1. Remove the display surface/ loose parts from the signboard.
2. Remove the supporting frame of the signboard by cutting the member into smaller size for construction waste disposal.
3. The removal works shall commence from the top to the bottom.
4. Make good and reinstate the affected areas of the parent building.
5. Dismantle the bamboo scaffold and clean the site.

Remarks: This case excludes item 11 of the Designated Exempted Works and minor works item 3.20.

MINOR WORKS ITEM 2.26	REMOVAL OF WALL SIGNBOARD	SHEET 1 OF 2

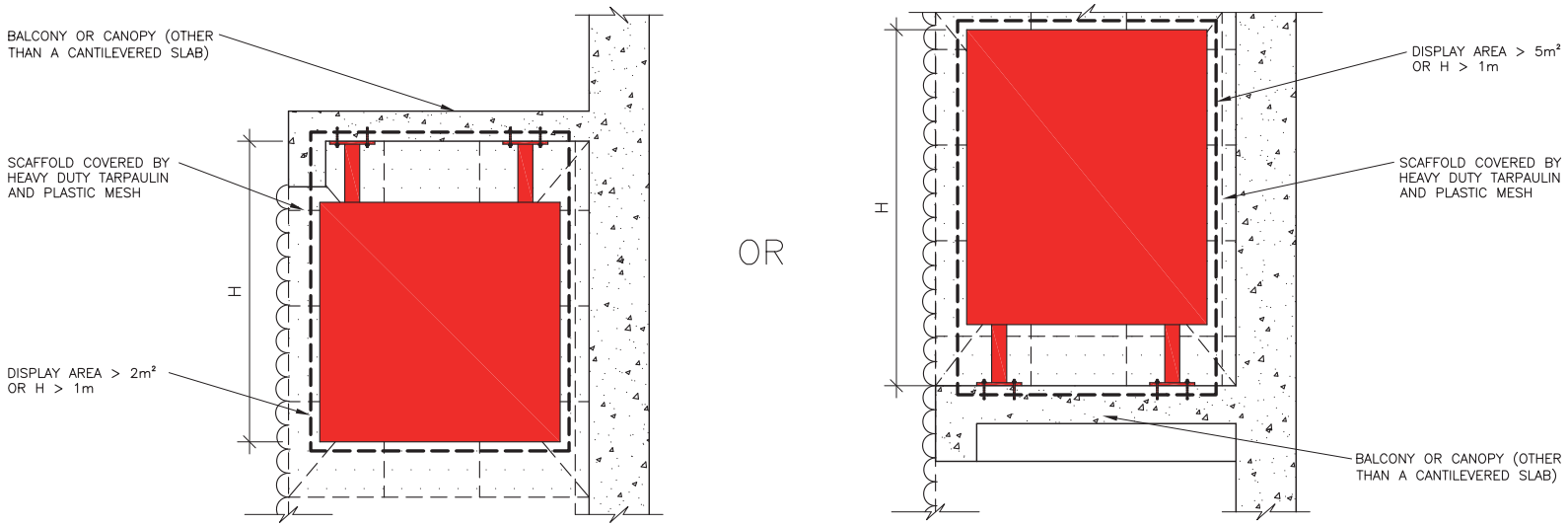


ELEVATION

SECTION B–B

CASE 2

MINOR WORKS ITEM 2.26	REMOVAL OF WALL SIGNBOARD	SHEET 2 OF 2



CASE 1: HUNG UNDERNEATH

CASE 2: LOCATED ON

GENERAL NOTES :

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. Obtain the existing design drawings/ information for reference.
2. If the signboard consists of light emitting diodes, disconnect all the power connected to the signboard before the commencement of any works on site.
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 :

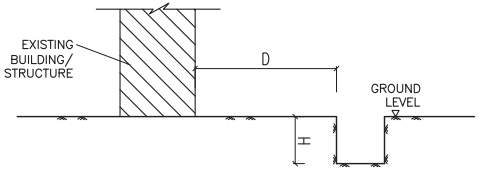
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Bamboo scaffolds details shall refer to the following figures as shown on drawing no. GN–1.
   - Figure 4 Working platform on a double–row bamboo scaffold
   - Figure 5 Bamboo scaffold for signboard

WORKING PROCEDURES :

1. Remove the display surface/ loose parts from the signboard.
2. Remove the hanging down sign by cutting the member into smaller size from the bottom to the top for construction waste disposal or remove the supporting frame of the signboard in case 2 by cutting the member into smaller size from the top to the bottom for construction waste disposal.
3. Make good and reinstate the affected areas (including waterproofing) of the parent building.
4. Dismantle the bamboo scaffold and clean the site.

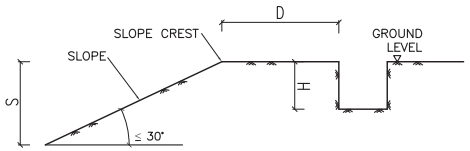
Remarks : This case excludes minor works item 3.21.

MINOR WORKS ITEM 2.27	REMOVAL OF SIGNBOARD LOCATED ON OR HUNG UNDERNEATH THE SOFFIT OF A BALCONY OR CANOPY (OTHER THAN A CANTILEVERED SLAB)



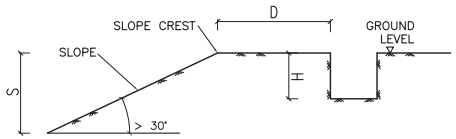
H≤ 1.5m, D≥ H

CONDITIONAL DIAGRAM 1



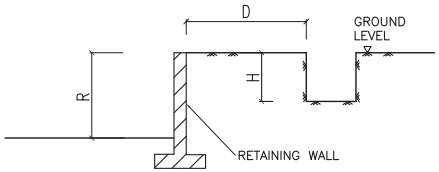
H≤ 1.5m, D≥ S

CONDITIONAL DIAGRAM 2



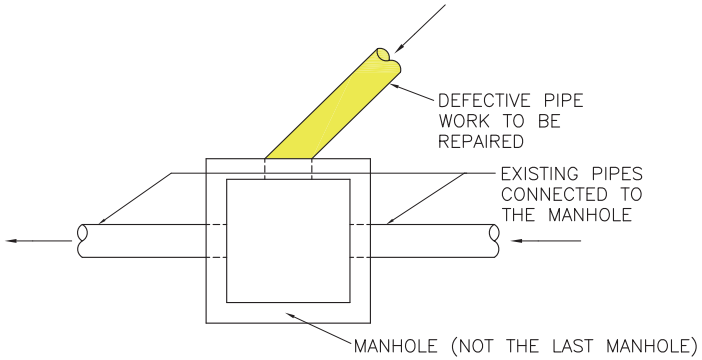
H≤ 1.5m, S≤3m, D≥1.5S

CONDITIONAL DIAGRAM 3



H≤ 1.5m, R≤3m, D≥1.5R

CONDITIONAL DIAGRAM 4



PLAN

REPAIR OF UNDERGROUND DRAIN

GENERAL NOTES :

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. Obtain and investigate all underground utilities drawings/ information prior to the commencement of works.
2. Obtain the existing design drawing/ information for reference prior to the commencement of works.
3. Carry out condition survey of the adjoining structure/ existing condition prior to the commencement works.
4. If the works would involve suspension of the drain system, inform the affected parties in advance.

SAFETY AND PRECAUTIONARY MEASURES :

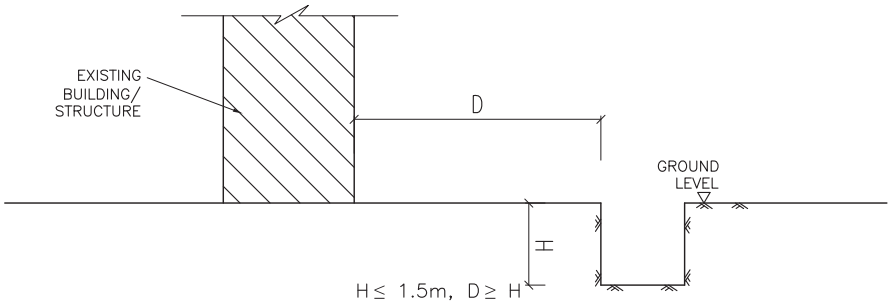
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Shoring support is required if the depth of trench more than 1.2m. Erection method shall be referred to "Guide to Trench Excavations" published by Utilities Technical Liaison Committee – Highways Department and Geotechnical Engineering Office – Civil Engineering Department (February 2003)
   a) The sizes of the structural members (e.g timber boards, struts and walings) and the spacings between struts depend on the actual excavation depth, ground conditions and other factors affecting the loading on the shoring system.
   b) Half timber board shoring may be adequate for moderately form to firm soil provided that the groundwater level is below the bottom of the trench.

WORKING PROCEDURES :

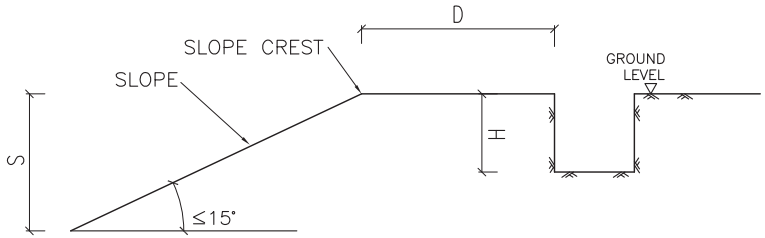
1. Carry out excavation and backfilling work in accordance with minor works item 2.11.
2. Remove the defective pipe work.
3. Install new drain pipe and seal up the connection at the manhole using waterproof cement mortar.
4. Any removed pipe works shall be sprayed with diluted bleaching agent (bleaching agent: water = 1:99) and pack into plastic bag for construction waste disposal.
5. Carry out water test to the new drain pipe for any leakage.
6. Backfilling and reinstate the top surface.

Remarks: This works excludes excavation within area number 1 or 3 of the scheduled areas.

MINOR WORKS ITEM 2.28	REPAIR OF UNDERGROUND DRAIN

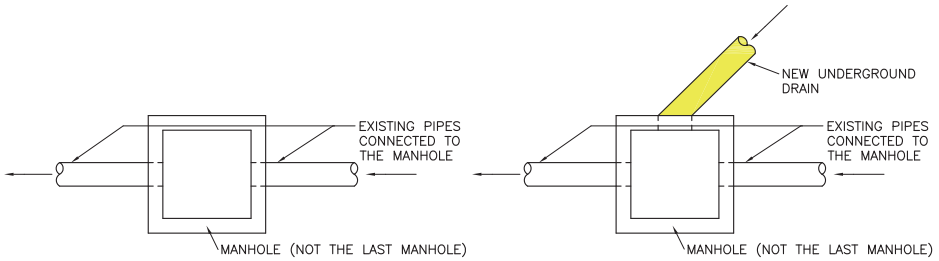


CONDITIONAL DIAGRAM 1



H≤ 1.5m, S≤ 3m, D≥ S

CONDITIONAL DIAGRAM 2



BEFORE AFTER

PLAN

ADDITION/ ALTERATION OF UNDERGROUND DRAIN

GENERAL NOTES :

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. Obtain and investigate all underground utilities drawings/ information prior to the commencement of works.
2. Obtain the existing design drawing/ information for reference prior to the commencement of works.
3. Carry out condition survey of the adjoining structure/ existing condition prior to the commencement works.
4. If the works would involve suspension of the drain system, inform the affected parties in advance.

SAFETY AND PRECAUTIONARY MEASURES :

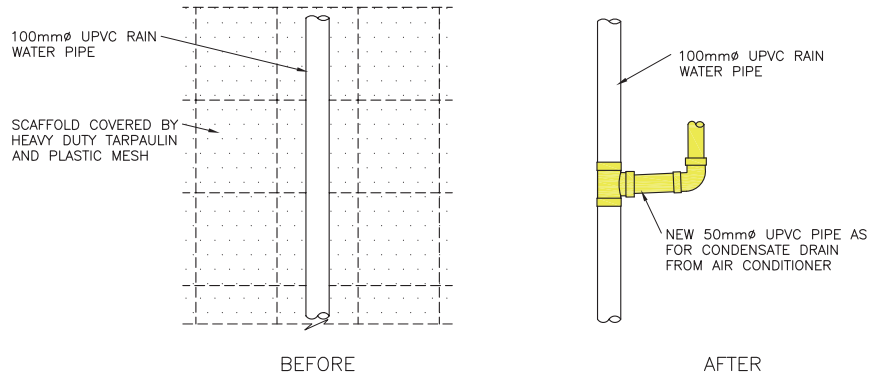
1. Fence–off the working area from the public. Diversion arrangement shall be taken if necessary.
2. Shoring support is required if the depth of trench more than 1.2m. Erection method shall be referred to "Guide to Trench Excavations" published by Utilities Technical Liaison Committee – Highways Department and Geotechnical Engineering Office – Civil Engineering Department (February 2003)
   a) The sizes of the structural members (e.g timber boards, struts and walings) and the spacings between struts depend on the actual excavation depth, ground conditions and other factors affecting the loading on the shoring system.
   b) Half timber board shoring may be adequate for moderately form to firm soil provided that the groundwater level is below the bottom of the trench.

WORKING PROCEDURES :

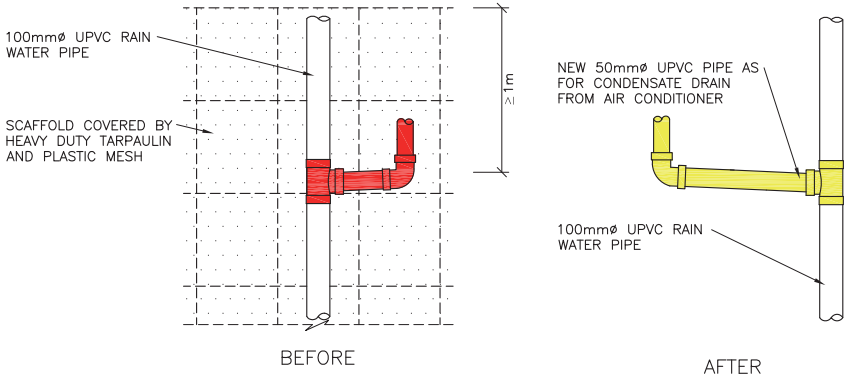
1. Carry out excavation and backfilling work in accordance with minor works item 2.11.
2. Install the new pipe work and seal up the connection at the manhole using waterproof cement mortar.
3. Carry out water test to the new drain pipe for any leakage.
4. Backfilling and reinstate the top surface.

Remarks: This works excludes excavation within area number 1 or 3 of the scheduled areas.

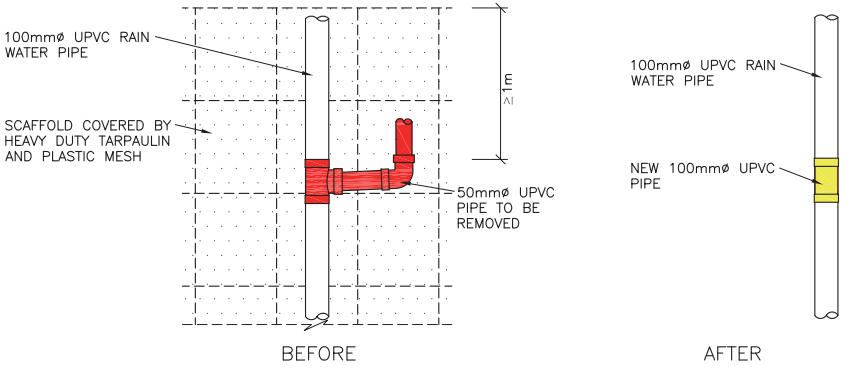
MINOR WORKS ITEM 2.29	ADDITION OR ALTERATION OF UNDERGROUND DRAIN



ERECTION



ALTERATION



REMOVAL

MATERIAL SPECIFICATION :

Plastic rainwater pipes and fittings to be UPVC to BS4576. Plastic soil and ventilating pipes and fittings to be UPVC to BS4514. Plastic waste pipes and fittings to be ABS, MUPVC, PP or PE based to BS5255. Plastic flushing water service pipes and fittings to be UPVC to BS3505 class D and BS4346: Pt. 1 and Pt. 2.

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. The requirements of PNAP APP–93 should be followed for the planning and design of drainage works.
3. The principals of PNAP APP–105 should be observed for protecting the structure against penetration of moisture or water at the design stage.

PREPARATION WORKS :

1. Obtain the existing design drawings/ information for reference prior to the commencement of works.
2. Carry out condition survey of the parent structure/ existing condition prior to the commencement of works.
3. If the works would involve suspension of the drain system, inform the affected parties in advance.

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 2 Truss–out bamboo scaffold
   - Figure 4 Working platform on a double–row bamboo scaffold

WORKING PROCEDURES

A. Erection

1. Install the pipe work and fitting as per drawing.
2. Water test the pipe works to make sure that the work is properly done.
3. Make good and reinstate the works area affected by the works.
4. Remove the bamboo scaffold and clean the site.
5. Any removed pipe works shall be sprayed with diluted bleaching agent (bleaching agent: water = 1:99) and pack into plastic bag for construction waste disposal.

B. Alteration

1. Install the pipe work and fitting as per drawing.
2. Water test the pipe works to make sure that the work is properly done.
3. Make good and reinstate the works area affected by the works.
4. Remove the bamboo scaffold and clean the site.
5. Any removed pipe works shall be sprayed with diluted bleaching agent (bleaching agent: water = 1:99) and pack into plastic bag for construction waste disposal.

C. Removal

1. Remove the pipe work and fitting as per drawing.
2. Make good and reinstate the works area affected by the works.
3. Remove the bamboo scaffold and clean the site.
4. Any removed pipe works shall be sprayed with diluted bleaching agent (bleaching agent: water = 1:99) and pack into plastic bag for construction waste disposal.

REMARKS :

1. This item excludes minor works item 3.23.
2. No pipeworks of residential premise shall protrude into the private premises of the floor below.
3. The nominal diameter of every soil pipe from water closet fitments or slop sinks shall be not less than the diameter of the outlet of any of the fitments it serves.
4. No water–borne piping will be embedded in structural elements, otherwise the guidelines in Appendix A of PNAP APP–105 should be followed for demonstration of the nil adverse effect to the performance of structural members.

MINOR WORKS ITEM 2.30	ERECTION, ALTERATION OR REMOVAL OF ABOVEGROUND DRAIN