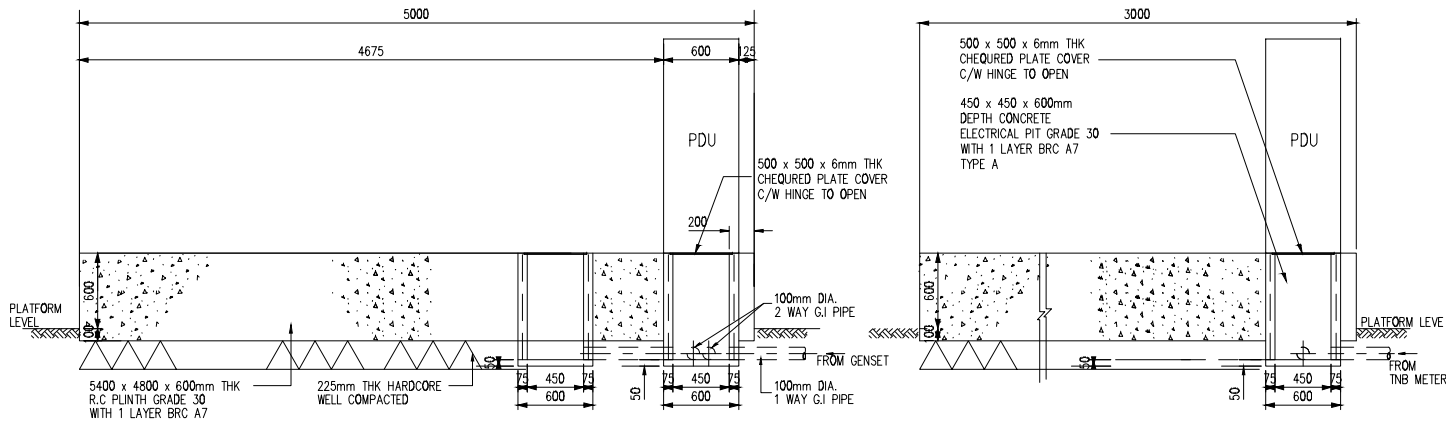


LAYOUT PLAN OF BTS PLINTH



LONG SECTION OF BTS PLINTH

CROSS SECTION OF BTS PLINTH

NOTE:

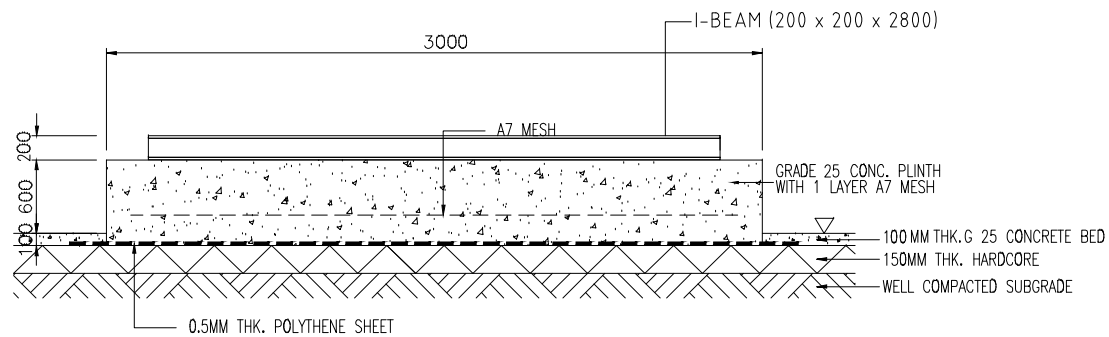
INVITATION REFERENCE NO:  
MCMC/RDD/PDD(5)/T3\_Extn(P3)/  
TCA/12/14(13)

PROJECT TITLE:  
TIME 3 - EXTENSION  
(24M MONOPOLE - SPOKE SITE)  
NATURAL DISASTER DESIGN

DRAWING TITLE:  
DRAWING 2:  
NATURAL DISASTER DESIGN FOR  
DETAILS OF BTS PLINTH FOR SITE WITH  
MONOPOLE 24M PLAN,  
SECTIONS AND DETAILS

DATE: DEC 2014

SCALE: 1 : 40



CABIN & BTS PLINTH (A)

(A) FOR FOUNDATION SOIL OTHER THAN SOFT CLAY

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETER (MM) UNLESS STATED OTHERWISE.
2. ONLY FIGURED DIMENSIONS ARE TO BE USED.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ANY DISCREPANCY SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION.

**4. REINFORCED CONCRETE**

- a. REINFORCED CONCRETE MIX TO BE GRADE 30 AND SHALL HAVE A MINIMUM CRUSHING STRENGTH OF 30 N/mm<sup>2</sup> AT 28 DAYS AS PER B.S. 8110.
- b. ALL LEAN CONCRETE SHALL BE 1:3:6 MIX AND PROVIDE AS FOLLOWS:  
FOOTING : 50MM
- c. COARSE AND FINE AGGREGATE SHALL COMPLY TO B.S. 882.
- d. PORTLAND CEMENT USED SHALL COMPLY TO B.S. 12.
- e. NOMINAL AGGREGATE SIZE TO BE 20 mm.
- f. CONCRETE COVER TO ALL REINFORCEMENTS AS FOLLOWS:  
PILECAP & FOUNDATION – 75 mm
- g. ALL REINFORCED CONCRETE SHALL BE PROPERLY VIBRATED WITH SUITABLE MECHANICAL VIBRATOR.
- h. UNLESS OTHERWISE STATED MINIMUM LAP LENGTH SHALL BE :

	COMPRESSION	TENSION
MILD STEEL	40 D	55 D
H.T. STEEL	40 D	55 D

**5. REINFORCEMENT TO BS 4449 : 1978/MS 146 : 1988**

T – HIGH TENSILE ROUND DEFORMED BAR  
( $F_y = 460 \text{ N/50MM.}$ )

R – MILD STEEL PLAIN ROUND BAR  
( $F_y = 250 \text{ N/50MM.}$ )

INVITATION REFERENCE NO:  
MCMC/RDD/PDD(5)/T3\_Extn(P3)/  
TCA/12/14(13)

**PROJECT TITLE:**

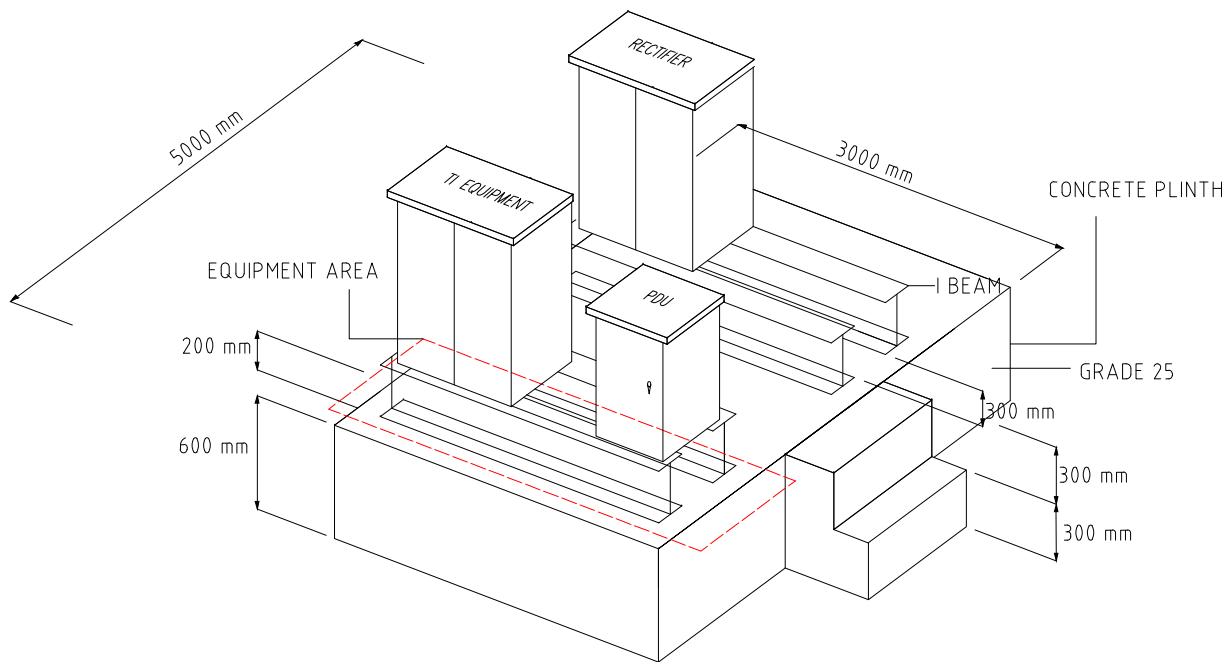
TIME 3 – EXTENSION  
(24M MONOPOLE – SPOKE SITE)  
NATURAL DISASTER DESIGN

**DRAWING TITLE:**

DRAWING 3:  
NATURAL DISASTER DESIGN FOR  
GREENFILED SITES PLINTH  
SECTION AND FOUNDATION  
DETAILS

**DATE:** DEC 2014

**SCALE:** 1 : 100



EQUIPMENT PLINTH DETAIL



NOTE: ALL CONCRETE SURFACES TO BE STEEL TROWELLED SMOOTH FINISH TO PRODUCE A UNIFORM SURFACE FREE FROM SCREED MARKS.

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETER (MM) UNLESS STATED OTHERWISE

**EXISTING STRUCTURAL**

1. ACTUAL LAYOUT OF EXISTING BEAM / SLAB TO BE DETERMINED ON SITE BY CONTRACTOR.
2. EFFECT OF BTS LOADING ON EXISTING ROOF STRUCTURE DIRECTLY OR INDIRECTLY SHALL BE ASSESSED BY WAY OF FINITE ELEMENT METHOD, WHEREBY BTS LOADING SHALL BE APPLIED AS POINT OR OR LINE LOADS ONTO THE ROOF SLAB. ELEMENT SIZE SHALL BE SMALL ENOUGH TO CAPTURE THE EFFECT OF CONCENTRATED LOADS ONTO THE SLAB.  
IN THE EVENT THAT THE EXISTING SLAB IS REQUIRED TO SPREAD THE BTS EQUIPMENT LOADS INSTEAD OF USING I-BEAMS SUPPORT AS SHOWN IN THIS DRAWING, BTS LOADS SHALL BE MODELLED AS LINE LOADS ALONG THE BTS BASE I-BEAMS.

INVITATION REFERENCE NO:  
MCMC/RDD/PDD(5)/T3\_Extn(P3)/  
TCA/12/14(13)

**PROJECT TITLE:**

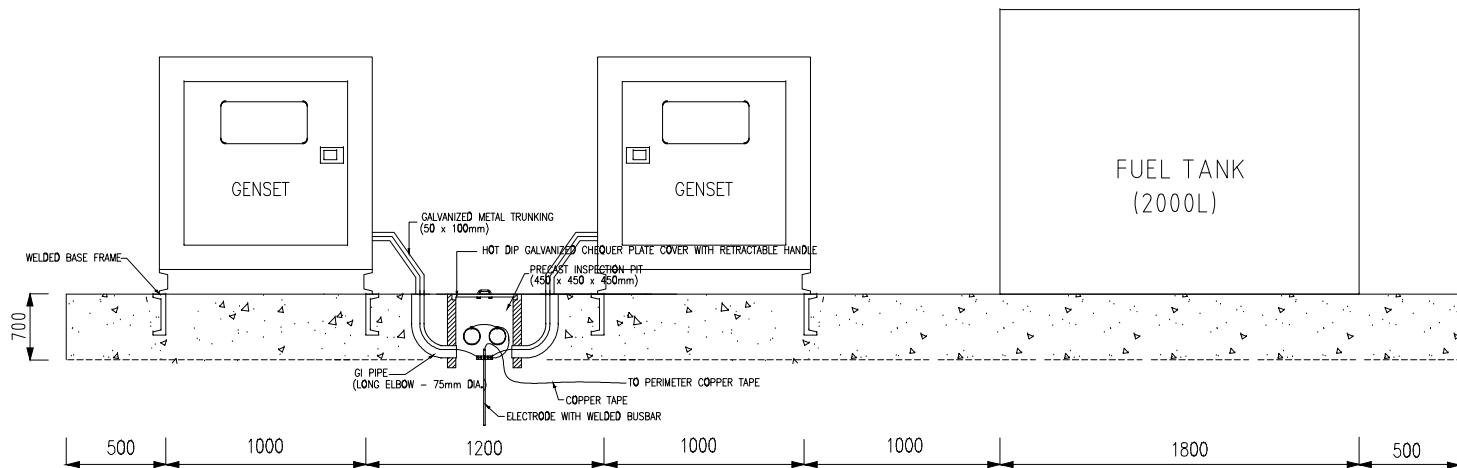
TIME 3 - EXTENSION  
(24M MONOPOLE - SPOKE SITE)  
NATURAL DISASTER DESIGN

**DRAWING TITLE:**

DRAWING 4:  
NATURAL DISASTER DESIGN PLAN  
FOR ISOMETRIC PLINTH EQUIPMENT  
(5.0m x 3.0m)

DATE: DEC 2014

SCALE: 1 : 100



NOTE:

INVITATION REFERENCE NO:  
MCMC/RDD/PDD(5)/T3\_Extn(P3)/  
TCA/12/14(13)

PROJECT TITLE:

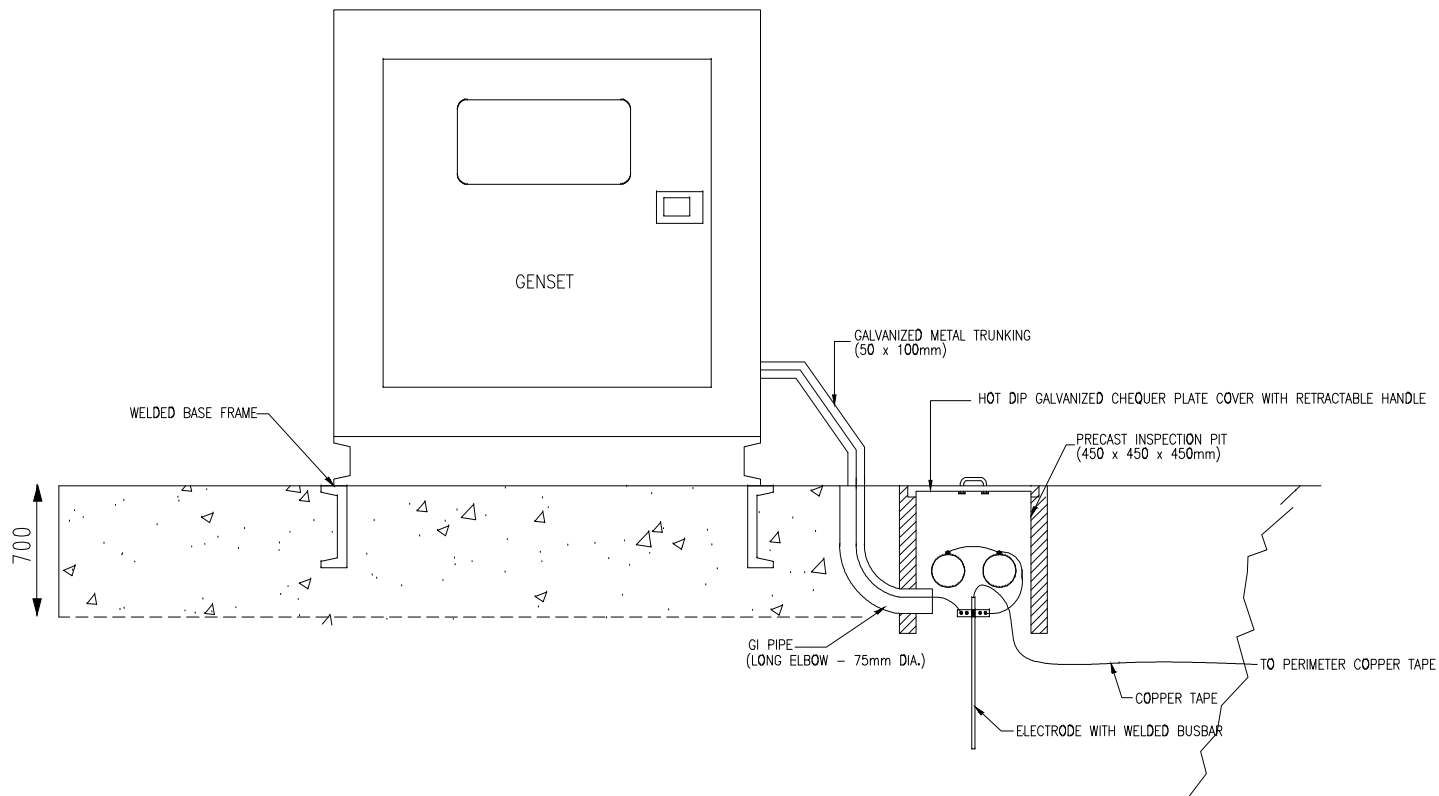
TIME 3 - EXTENSION  
(24M MONOPOLE - SPOKE SITE)  
NATURAL DISASTER DESIGN

DRAWING TITLE:

DRAWING 5:  
NATURAL DISASTER DESIGN FOR  
GENERAL ARRANGEMENT OF  
STANDBY GENSET

DATE: DEC 2014

SCALE: 1 : 100



NOTE:

INVITATION REFERENCE NO:  
MCMC/RDD/PDD(5)/T3\_Extn(P3)/  
TCA/12/14(13)

PROJECT TITLE:

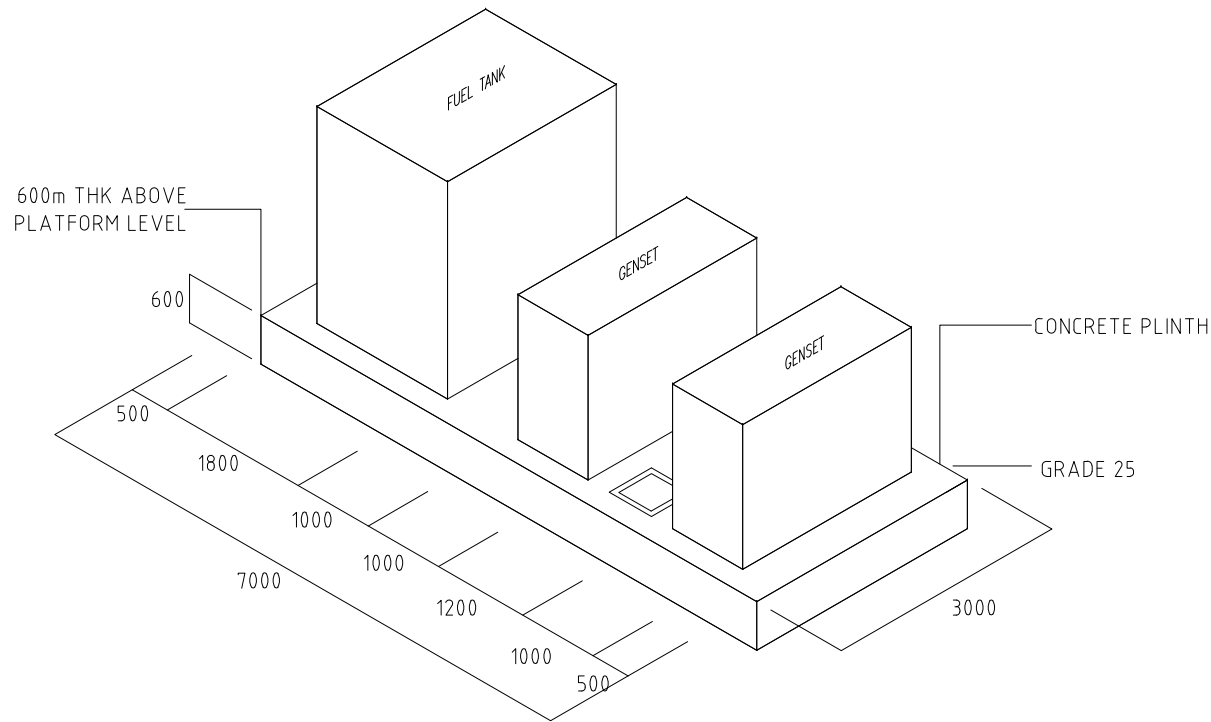
TIME 3 - EXTENSION  
(24M MONOPOLE - SPOKE SITE)  
NATURAL DISASTER DESIGN

DRAWING TITLE:

DRAWING 6:  
NATURAL DISASTER DESIGN FOR  
GENERAL ARRANGEMENT  
OF STANDBY GENSET

DATE: DEC 2014

SCALE: 1 : 100



GENSET PLINTH DETAIL



NOTE: ALL CONCRETE SURFACES TO BE STEEL TROWELLED SMOOTH FINISH TO PRODUCE A UNIFORM SURFACE FREE FROM SCREED MARKS.

**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETER (MM) UNLESS STATED OTHERWISE

**EXISTING STRUCTURAL**

1. ACTUAL LAYOUT OF EXISTING BEAM / SLAB TO BE DETERMINED ON SITE BY CONTRACTOR.

2. EFFECT OF BTS LOADING ON EXISTING ROOF STRUCTURE DIRECTLY OR INDIRECTLY SHALL BE ASSESSED BY WAY OF FINITE ELEMENT METHOD, WHEREBY BTS LOADING SHALL BE APPLIED AS POINT OR OR LINE LOADS ONTO THE ROOF SLAB.

ELEMENT SIZE SHALL BE SMALL ENOUGH TO CAPTURE THE EFFECT OF CONCENTRATED LOADS ONTO THE SLAB.

IN THE EVENT THAT THE EXISTING SLAB IS REQUIRED TO SPREAD THE BTS EQUIPMENT LOADS INSTEAD OF USING I-BEAMS SUPPORT AS SHOWN IN THIS DRAWING, BTS LOADS SHALL BE MODELLED AS LINE LOADS ALONG THE BTS BASE I-BEAMS.

INVITATION REFERENCE NO:  
MCMC/RDD/PDD(5)/T3\_Extn(P3)/  
TCA/12/14(13)

**PROJECT TITLE:**

TIME 3 - EXTENSION  
(24M MONOPOLE - SPOKE SITE)  
NATURAL DISASTER DESIGN

**DRAWING TITLE:**

DRAWING 7:  
NATURAL DISASTER DESIGN  
FOR ISOMETRIC GENSET PLINTH  
(3m x 7m)

**DATE:** DEC 2014

**SCALE:** 1 : 100