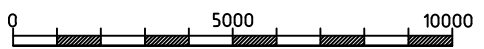


COMPOUND LAYOUT PLAN (20m x 18m)



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

NOTE:

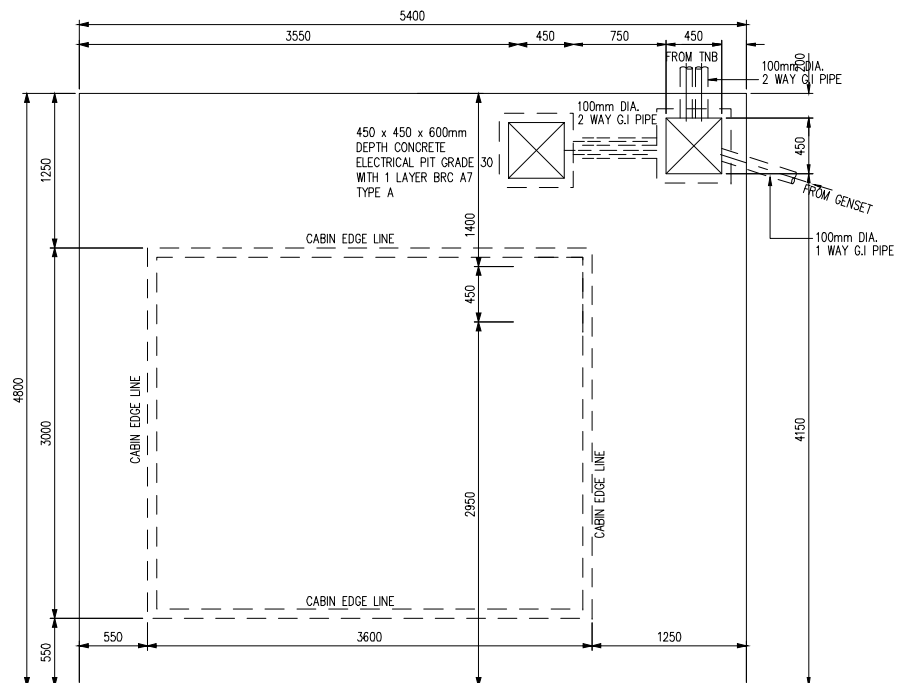
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MCMC/RDD/PDD(1)/T3_Extn(P1)/TCA/
03/14(01)

PROJECT TITLE:

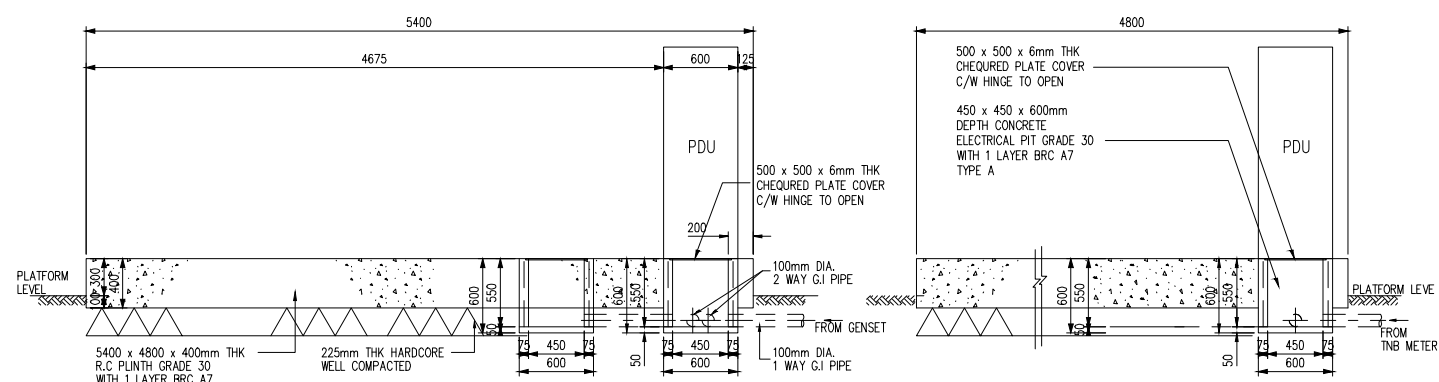
TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

DRAWING TITLE:
DRAWING 1:
NATURAL DISASTER DESIGN FOR
COMPOUND LAYOUT PLAN
LIGHT DUTY TOWER (76M)

DATE: MARCH 2014 SCALE: 1:100



LAYOUT PLAN OF BTS PLINTH



LONG SECTION OF BTS PLINTH

CROSS SECTION OF BTS PLINTH

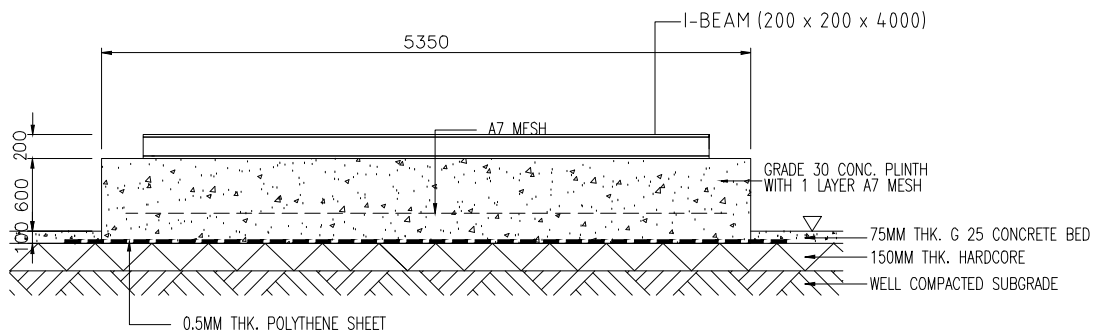
NOTE:

INVITATION REFERENCE NO:
MCMC/RDD/PDD(1)/T3_Extn(P1)/TCA/03/14(01)

PROJECT TITLE:
TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

DRAWING TITLE:
DRAWING 2:
NATURAL DISASTER DESIGN FOR
DETAILS OF BTS PLINTH FOR SITE WITH
TOWER 76m LIGHT DUTY
PLAN, SECTIONS AND DETAILS

DATE: MARCH 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/mm² 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
($F_y = 460 \text{ N/SQ.MM.}$)
- R - MILD STEEL PLAIN ROUND BAR
($F_y = 250 \text{ N/SQ.MM.}$)

INVITATION REFERENCE NO:
MCMC/RDD/PDD(1)/T3_Extn(P1)/TCA/
03/14(01)

PROJECT TITLE:

TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

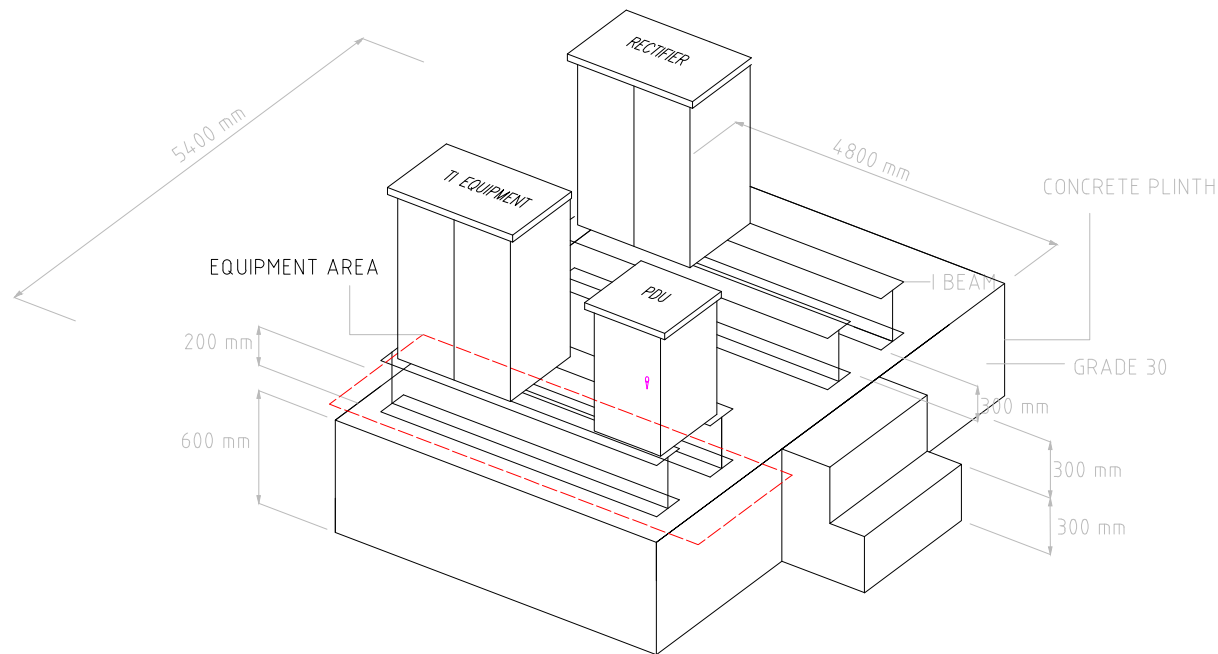
DRAWING TITLE:

DRAWING 3:

NATURAL DISASTER DESIGN FOR
GREENFILED SITES PLINTH
SECTION AND FOUNDATION
DETAILS

DATE: MARCH 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(1)/T3_Extn(P1)/TCA/
03/14(01)

PROJECT TITLE:

TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

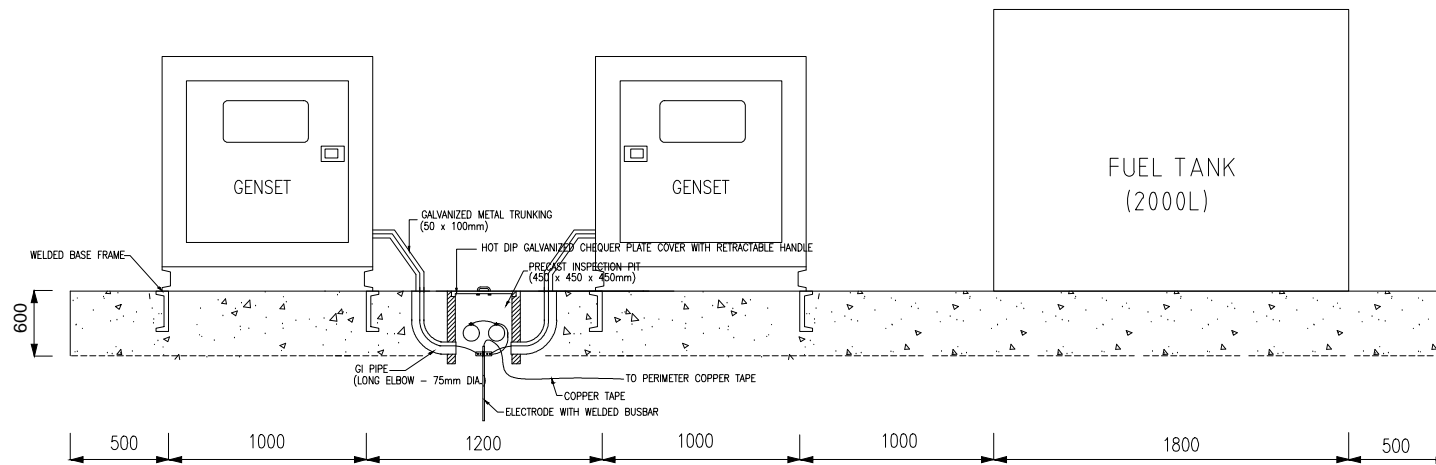
DRAWING TITLE:

DRAWING 4:
NATURAL DISASTER DESIGN PLAN
FOR ISOMETRIC PLINTH EQUIPMENT
(4.80m x 5.40m)

DATE: MARCH 2014

SCALE: 1 : 100

NOTE:



INVITATION REFERENCE NO:
MCMC/RDD/PDD(1)/T3_Extn(P1)/TCA/
03/14(01)

PROJECT TITLE:

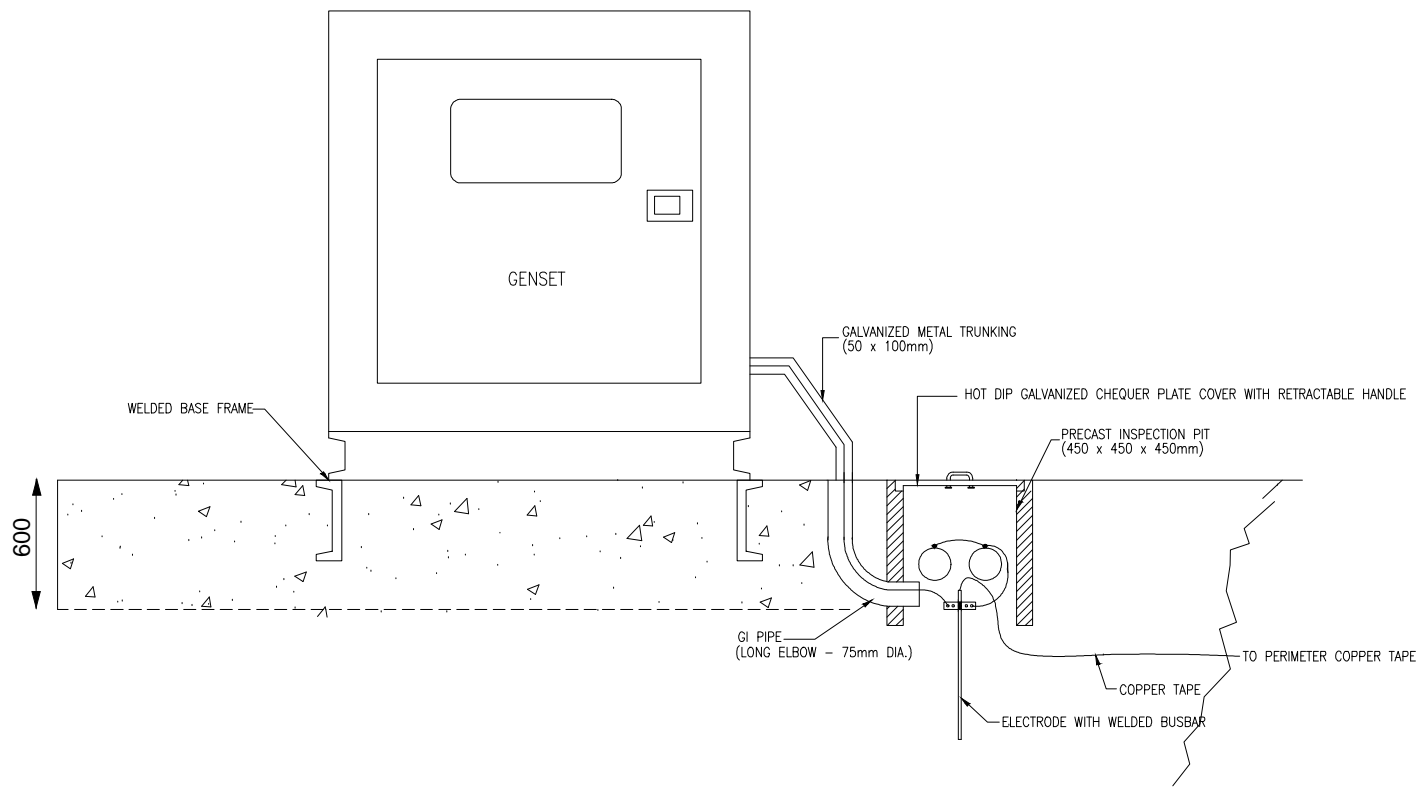
TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

DRAWING TITLE:

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

DATE: MARCH 2014

SCALE: 1 : 100



NOTE:

INVITATION REFERENCE NO:
MCMC/RDD/PDD(1)/T3_Extn(P1)/TCA/
03/14(01)

PROJECT TITLE:

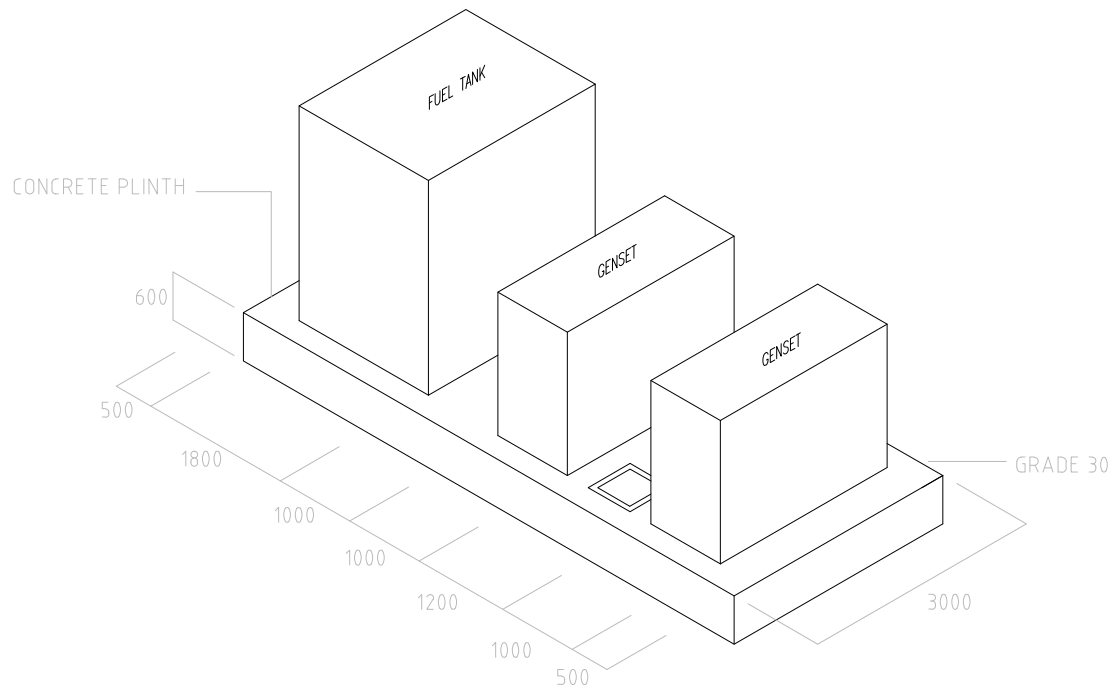
TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

DRAWING TITLE:

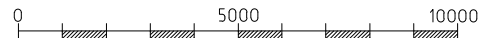
DRAWING 6:
NATURAL DISASTER DESIGN FOR
GENERAL ARRANGEMENT
OF STANDBY GENSET

DATE: MARCH 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(1)/T3_Extn(P1)/TCA/
03/14(01)

PROJECT TITLE:

TIME 3 - EXTENSION
(NATURAL DISASTER DESIGN)

DRAWING TITLE:

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

DATE: MARCH 2014

SCALE: 1 : 100