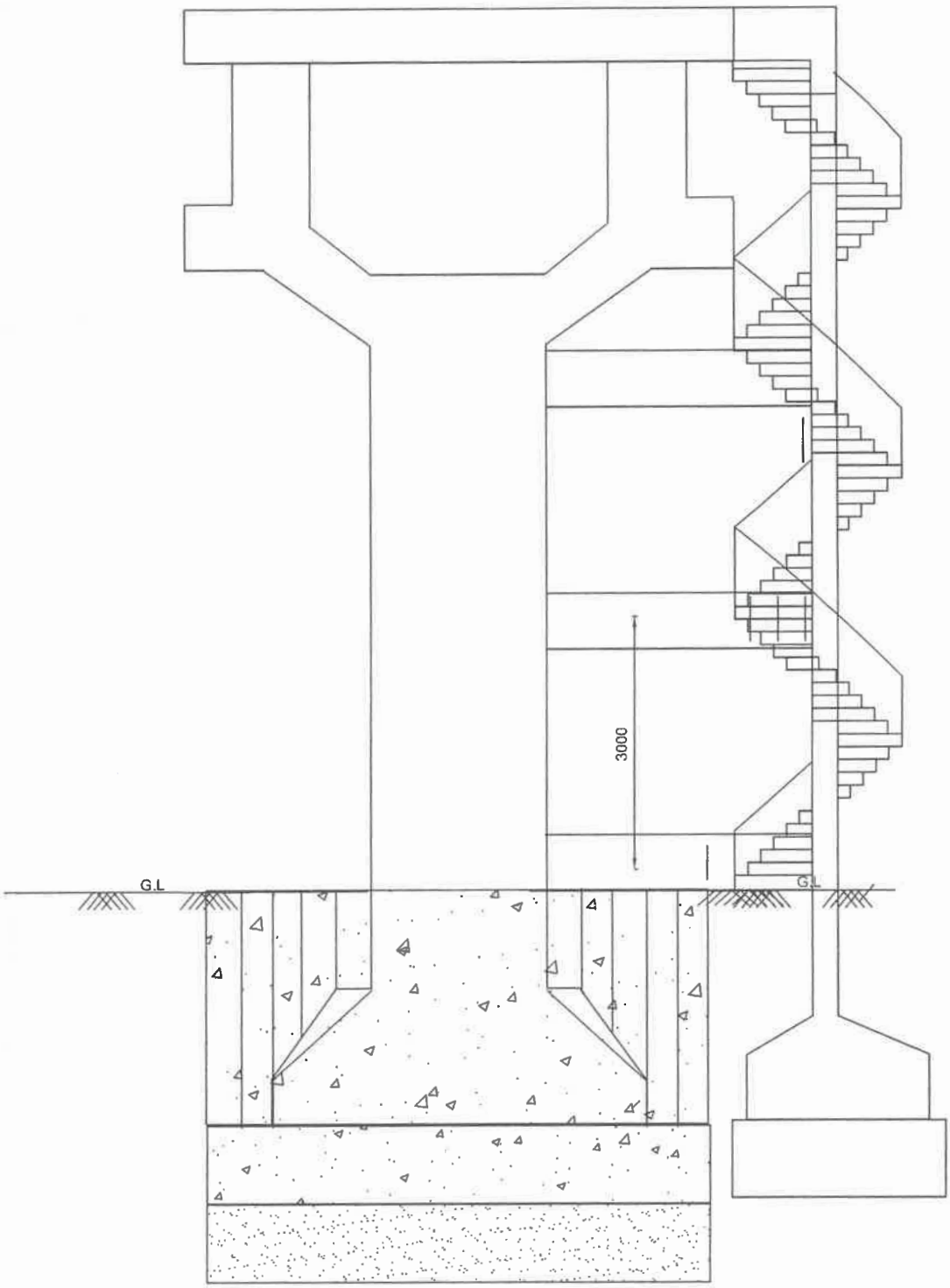

//Approved//
Chief Engineer
RWS&S,Gollapudi
Vijayawada.

SPIRAL STAIR CASE -10KL OHSR

AEE

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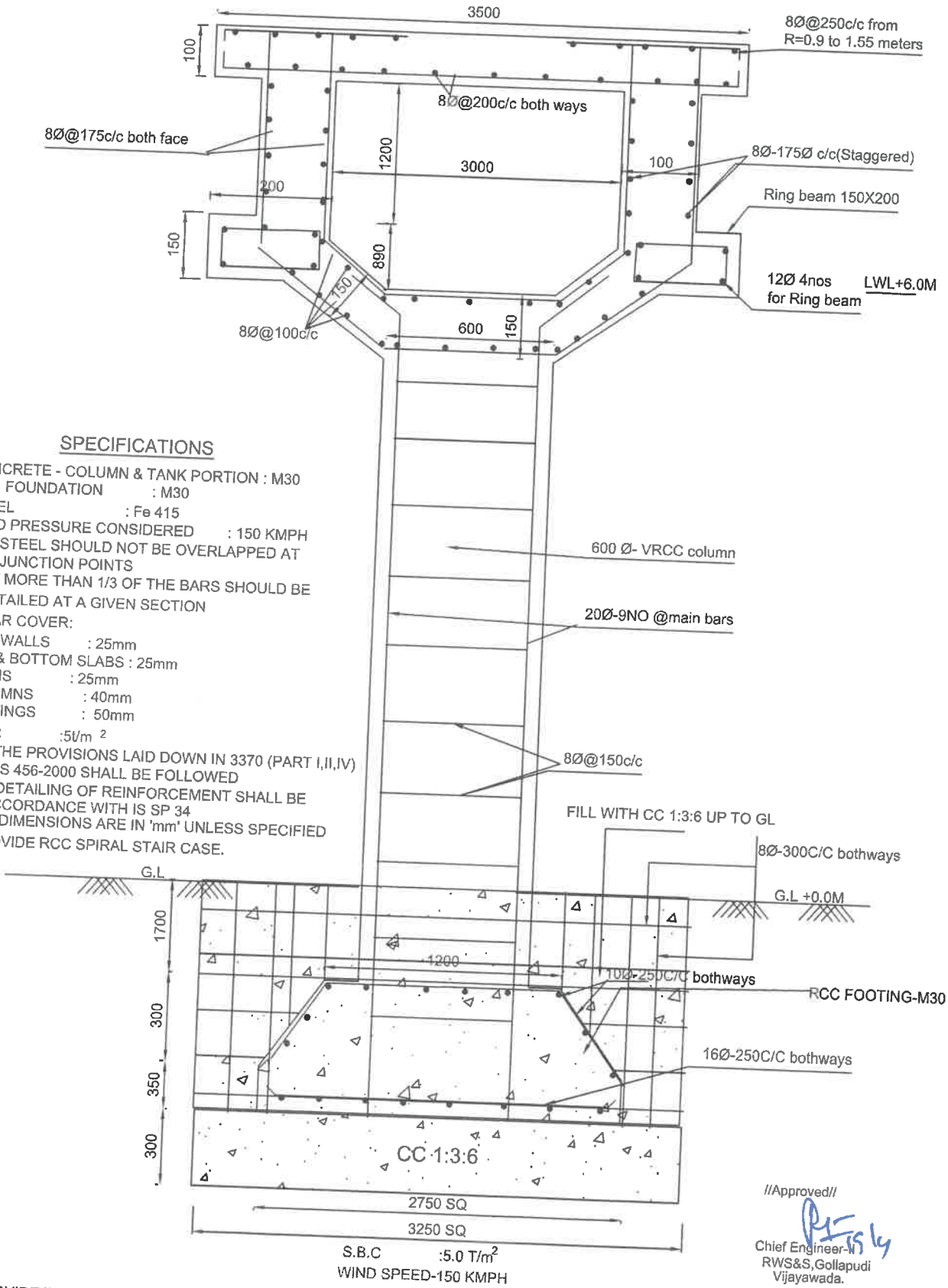
SCHEME:
10KL OHSR
6.0M stg

10 K.L CAPACITY O.H.S.R WITH 6.0M STAGING



SPECIFICATIONS

1. CONCRETE - COLUMN & TANK PORTION : M30
   FOUNDATION : M30
2. STEEL : Fe 415
3. WIND PRESSURE CONSIDERED : 150 KMPH
4. THE STEEL SHOULD NOT BE OVERLAPPED AT THE JUNCTION POINTS
5. NOT MORE THAN 1/3 OF THE BARS SHOULD BE CURTAILED AT A GIVEN SECTION
6. CLEAR COVER:
   SIDE WALLS : 25mm
   TOP & BOTTOM SLABS : 25mm
   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
7. S.B.C :5t/m ^{2}
8. ALL THE PROVISIONS LAID DOWN IN 3370 (PART I,II,IV) AND I.S 456-2000 SHALL BE FOLLOWED
9. THE DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH IS SP 34
10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

S.B.C :5.0 T/m^2
WIND SPEED-150 KMPH

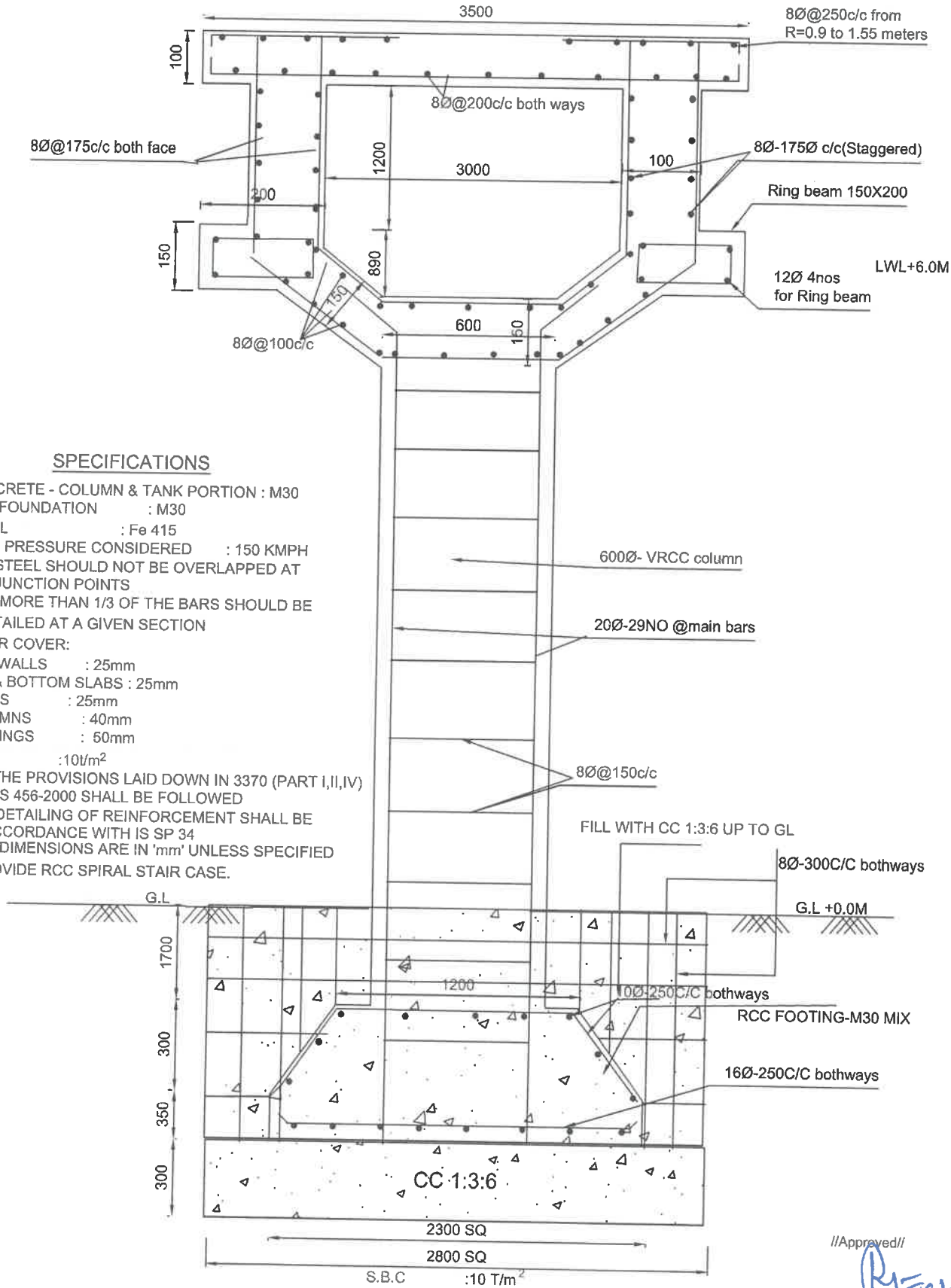
NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

//Approved//
Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

AEE DEE EE

SCHEME:
10KL OHSR - 6.0M stg
SBC OF SOIL : 5T/M ^{2}

10 K.L CAPACITY O.H.S.R WITH 6.0M STAGING



SPECIFICATIONS

1. CONCRETE - COLUMN & TANK PORTION : M30
   FOUNDATION : M30
2. STEEL : Fe 415
3. WIND PRESSURE CONSIDERED : 150 KMPH
4. THE STEEL SHOULD NOT BE OVERLAPPED AT THE JUNCTION POINTS
5. NOT MORE THAN 1/3 OF THE BARS SHOULD BE CURTAILED AT A GIVEN SECTION
6. CLEAR COVER:
   SIDE WALLS : 25mm
   TOP & BOTTOM SLABS : 25mm
   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
7. S.B.C :10t/m^2
8. ALL THE PROVISIONS LAID DOWN IN 3370 (PART I,II,IV) AND I.S 456-2000 SHALL BE FOLLOWED
9. THE DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH IS SP 34
10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

S.B.C :10 T/m^2

WIND SPEED-150 KMPH

NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

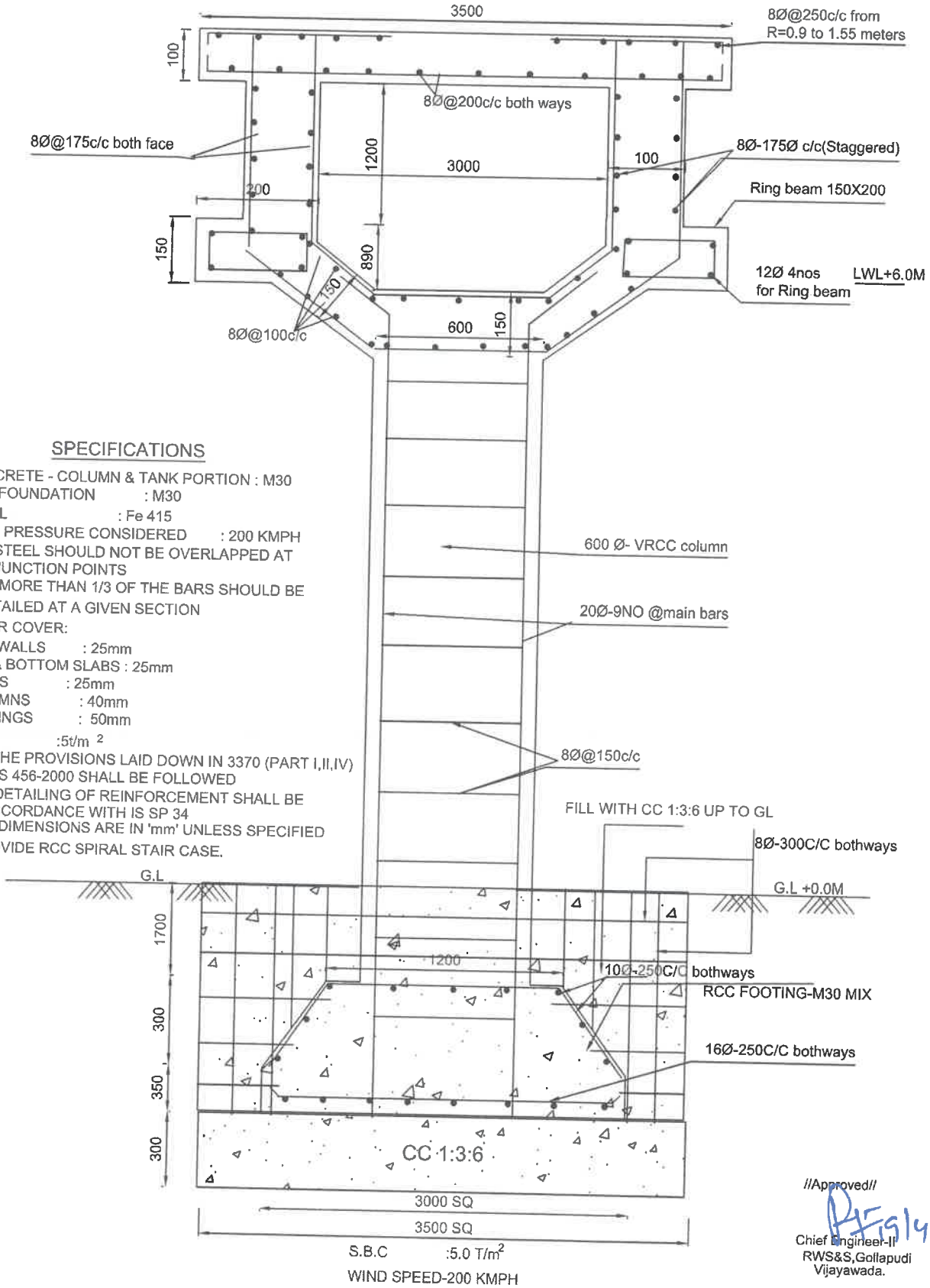
//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

AEE DEE EE

SCHEME:
10KL OHSR - 6.0M stg
SBC OF SOIL : 10T/M^2

10 K.L CAPACITY O.H.S.R WITH 6.0M STAGING



SPECIFICATIONS

1. CONCRETE - COLUMN & TANK PORTION : M30
   FOUNDATION : M30
2. STEEL : Fe 415
3. WIND PRESSURE CONSIDERED : 200 KMPH
4. THE STEEL SHOULD NOT BE OVERLAPPED AT THE JUNCTION POINTS
5. NOT MORE THAN 1/3 OF THE BARS SHOULD BE CURTAILED AT A GIVEN SECTION
6. CLEAR COVER:
   SIDE WALLS : 25mm
   TOP & BOTTOM SLABS : 25mm
   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
7. S.B.C :5t/m ^{2}
8. ALL THE PROVISIONS LAID DOWN IN 3370 (PART I,II,IV) AND I.S 456-2000 SHALL BE FOLLOWED
9. THE DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH IS SP 34
10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

S.B.C :5.0 T/m^2

WIND SPEED-200 KMPH

NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

H. Sivaiah
AEE

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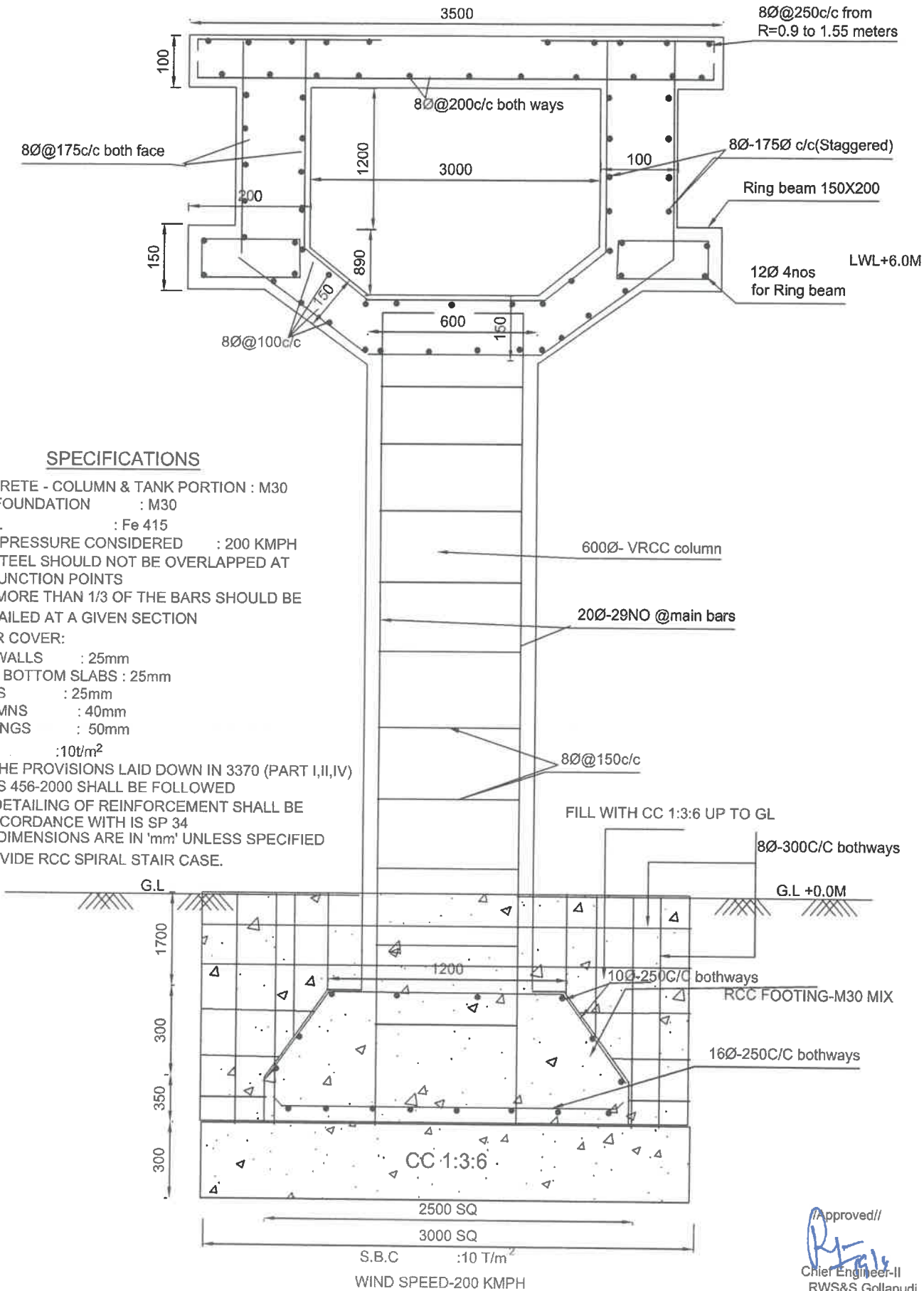
SCHEME:
10KL OHSR - 6.0M stg
SBC OF SOIL : 5T/M ^{2}

219

10 K.L CAPACITY O.H.S.R WITH 6.0M STAGING



SPECIFICATIONS

1. CONCRETE - COLUMN & TANK PORTION : M30
   FOUNDATION : M30
2. STEEL : Fe 415
3. WIND PRESSURE CONSIDERED : 200 KMPH
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6. CLEAR COVER:
   SIDE WALLS : 25mm
   TOP & BOTTOM SLABS : 25mm
   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
7. S.B.C :10t/m^2
8. ALL THE PROVISIONS LAID DOWN IN 3370 (PART I,II,IV) AND I.S 456-2000 SHALL BE FOLLOWED
9. THE DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH IS SP 34
10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

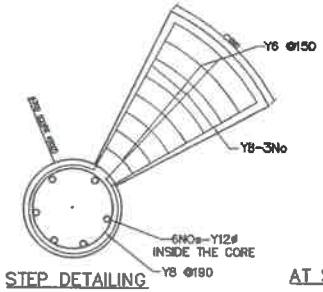
NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

AEE	DEE	EE

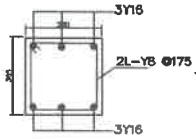
SCHEME:
10KL OHSR - 6.0M stg
SBC OF SOIL : 10T/M^2

220

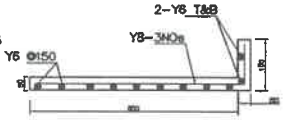
STRUCTURAL DETAILS OF SPIRAL STAIR CASE OHSR/OHBR STAGING UP TO 6.0M



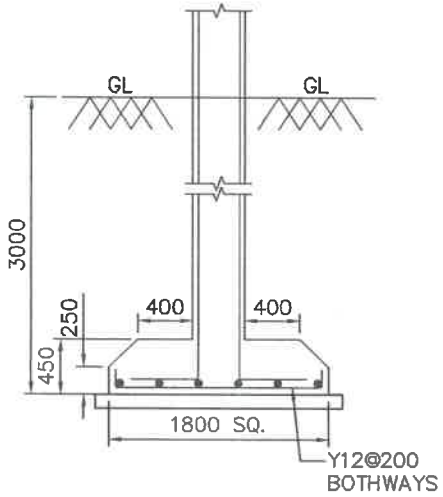
STEP DETAILING



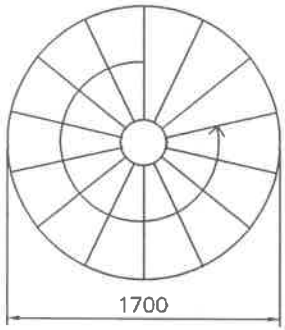
B2 (300x300)
AT SUPPORTS&MID SPAN



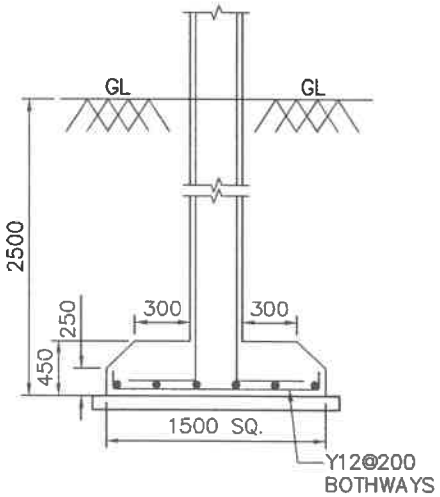
STEP SECTIONAL DETAIL
**GRADE OF CONCRETE-M20



RC DETAILS OF
STAIR FOOTING



PLAN OF SPIRAL
STAIR CASE



RC DETAILS OF
STAIR FOOTING

NOTE:- 1) SBC ->=5T/SQM TO <10T/SQM
2) STAGING UP TO 10.0M ONLY
3) THE DEPTH OF FOUNDATION DEPENDS ON SBC OF SOIL

AEE

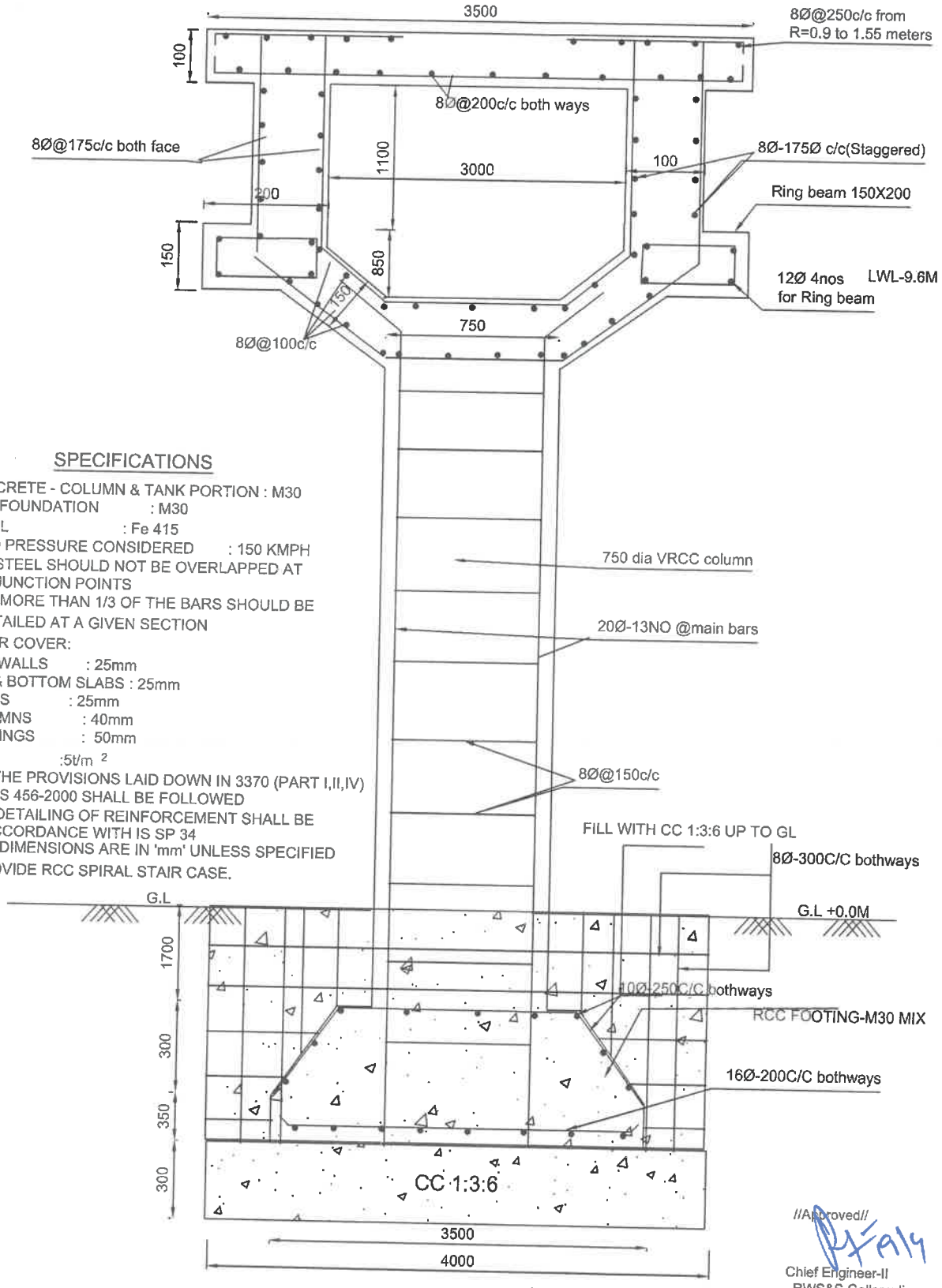
DEE

NOTE:- 1) SBC ->=10T/SQM
2) STAGING UP TO 10.0M ONLY
3) THE DEPTH OF FOUNDATION DEPENDS ON SBC OF SOIL

EE

//Approved//
19/6
Chief Engineer-II
RWS&S, Gollapudi
Vijayawada.

10 KL CAPACITY O.H.S.R WITH 9.6M STAGING



SPECIFICATIONS

1. CONCRETE - COLUMN & TANK PORTION : M30
   FOUNDATION : M30
2. STEEL : Fe 415
3. WIND PRESSURE CONSIDERED : 150 KMPH
4. THE STEEL SHOULD NOT BE OVERLAPPED AT THE JUNCTION POINTS
5. NOT MORE THAN 1/3 OF THE BARS SHOULD BE CURTAILED AT A GIVEN SECTION
6. CLEAR COVER:
   SIDE WALLS : 25mm
   TOP & BOTTOM SLABS : 25mm
   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
7. S.B.C :5t/m ^{2}
8. ALL THE PROVISIONS LAID DOWN IN 3370 (PART I,II,IV) AND I.S 456-2000 SHALL BE FOLLOWED
9. THE DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH IS SP 34
10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

S.B.C :5t/m^2

WIND SPEED-150 KMPH

NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

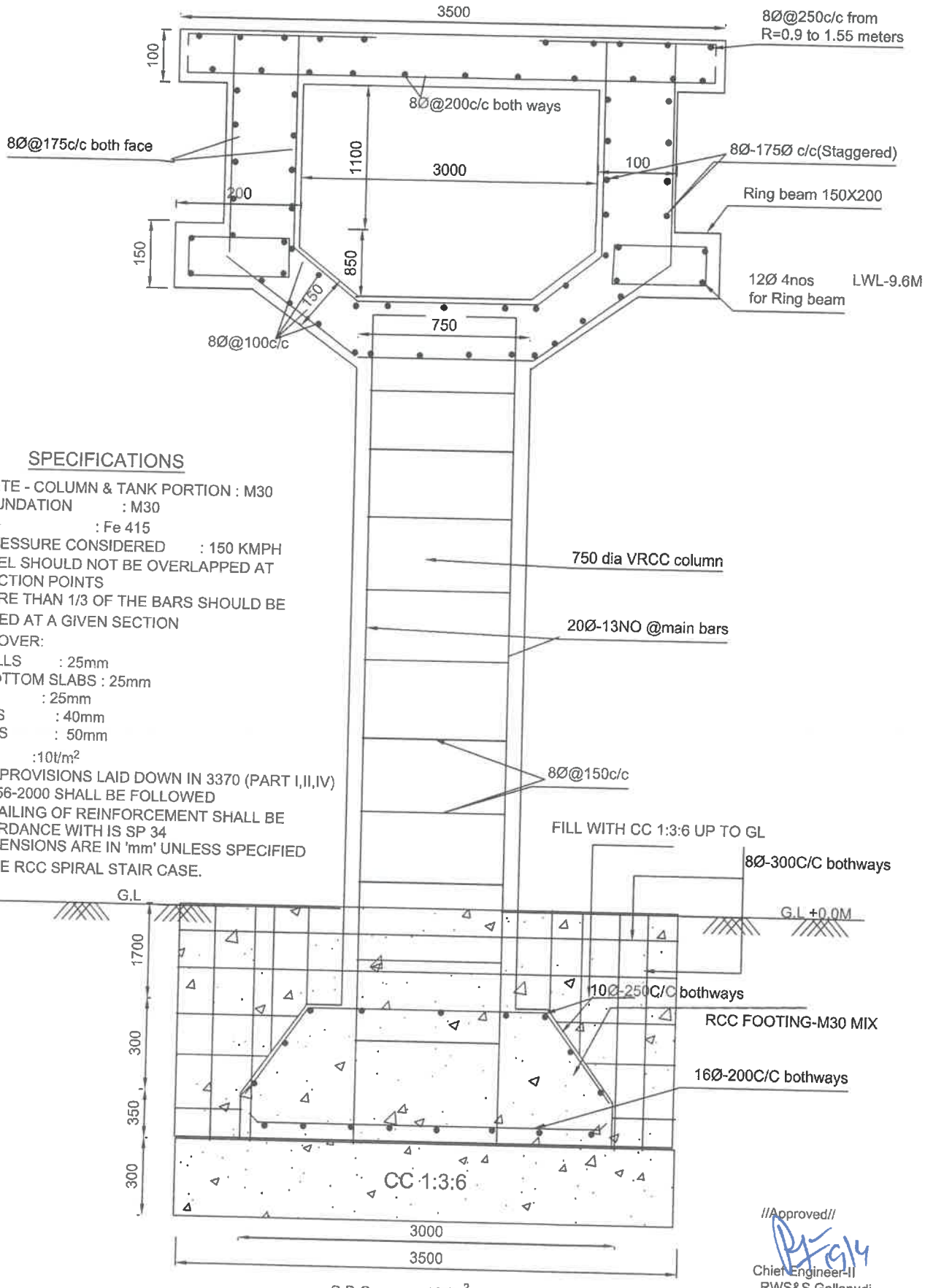
//Approved//
Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

AEE DEE EE

SCHEME:
10KL OHSR - 9.6M stg
SBC OF SOIL : 5T/M^2

222

10 KL CAPACITY O.H.S.R WITH 9.6M STAGING



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   TOP & BOTTOM SLABS : 25mm
   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
7. S.B.C :10t/m^2
8. ALL THE PROVISIONS LAID DOWN IN 3370 (PART I,II,IV) AND I.S 456-2000 SHALL BE FOLLOWED
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10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

S.B.C :10t/m^2

WIND SPEED-150 KMPH

NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

H.Sindhya
AEE

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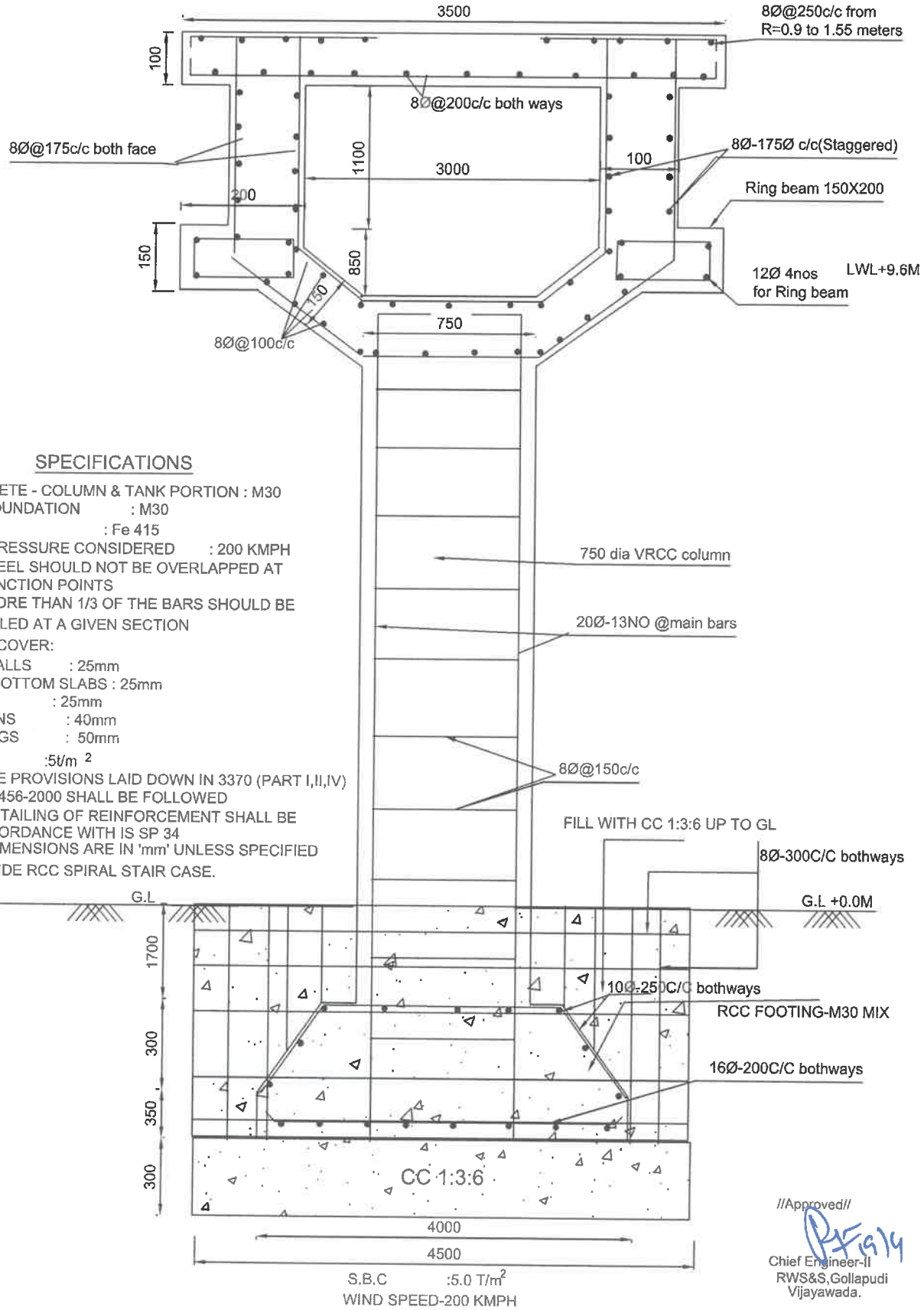
SCHEME:
10KL OHSR - 9.6M stg
SBC OF SOIL : 10T/M^2

10 K.L CAPACITY O.H.S.R WITH 9.6M STAGING



SPECIFICATIONS

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   FOUNDATION : M30
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   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
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10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

//Approved//

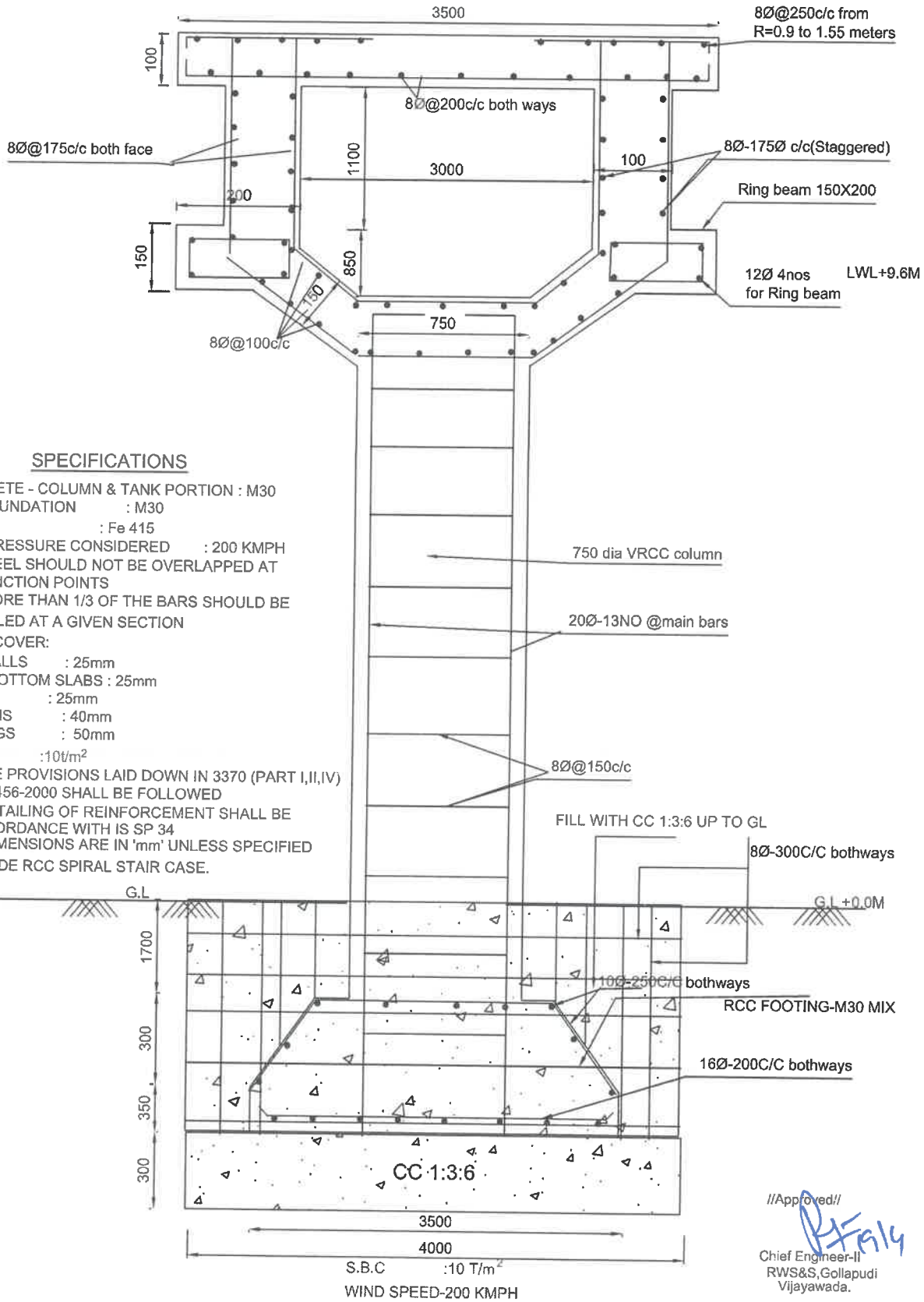
Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

AEE DEE EE

SCHEME:
10KL OHSR - 9.6M stg
SBC OF SOIL : 5T/M ^{2}

10 K.L CAPACITY O.H.S.R WITH 9.6M STAGING



SPECIFICATIONS

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   FOUNDATION : M30
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   BEAMS : 25mm
   COLUMNS : 40mm
   FOOTINGS : 50mm
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10. ALL DIMENSIONS ARE IN 'mm' UNLESS SPECIFIED
11. PROVIDE RCC SPIRAL STAIR CASE.

S.B.C :10 T/m^2

WIND SPEED-200 KMPH

//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

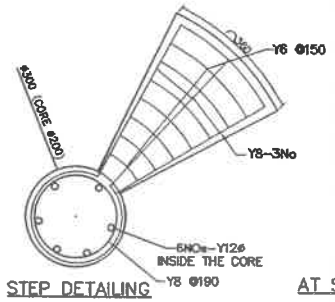
NOTE:- PROVIDE INLET, OUTLET, OVER FLOW AND SCOUR PIPES SUITABLE LOCATIONS

AEE DEE EE

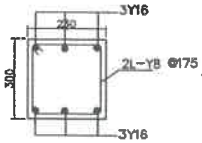
SCHEME:
10KL OHSR - 9.6M stg
SBC OF SOIL :10T/M^2

9776

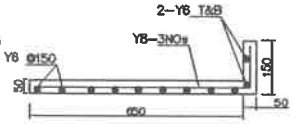
STRUCTURAL DETAILS OF SPIRAL STAIR CASE OHSR/OHBR STAGING UP TO 10.0M



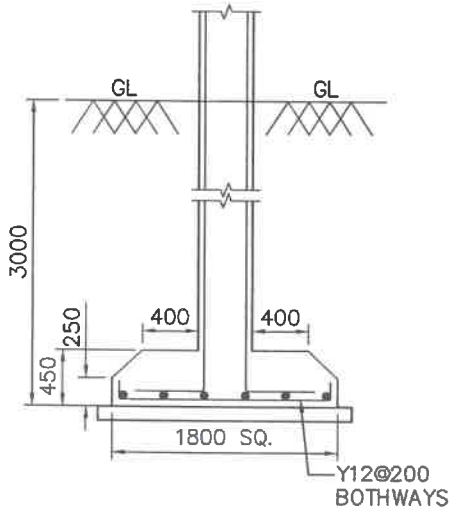
STEP DETAILING



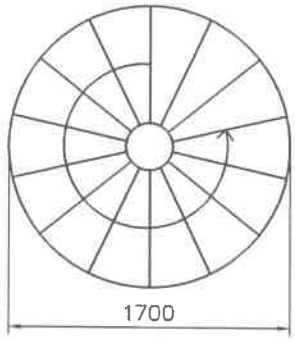
B2 (300x300)
AT SUPPORTS&MID SPAN



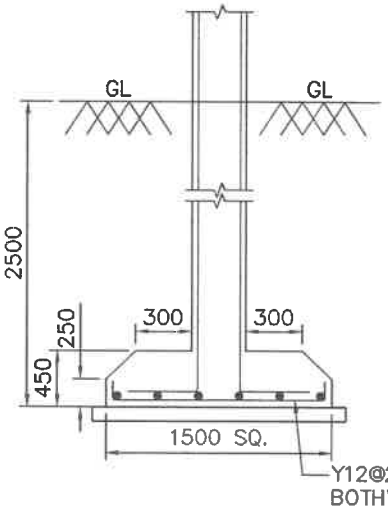
STEP SECTIONAL DETAIL
**GRADE OF CONCRETE-M20



RC DETAILS OF
STAIR FOOTING



PLAN OF SPIRAL
STAIR CASE



RC DETAILS OF
STAIR FOOTING

NOTE:- 1) SBC ->=5T/SQM TO <10T/SQM
2) STAGING UP TO 10.0M ONLY
3) THE DEPTH OF FOUNDATION DEPENDS ON SBC OF SOIL

NOTE:- 1) SBC ->=10T/SQM
2) STAGING UP TO 10.M ONLY
3) THE DEPTH OF FOUNDATION DEPENDS ON SBC OF SOIL

AEE

DEE

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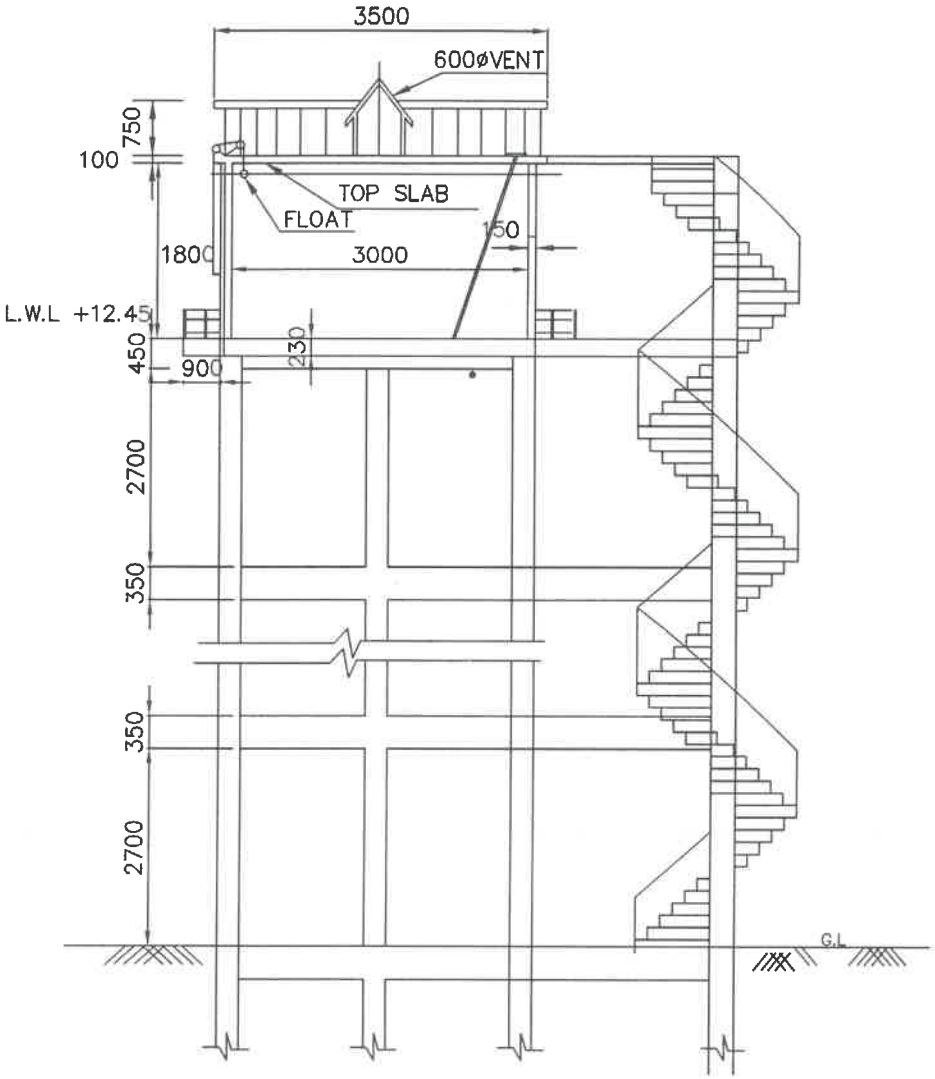
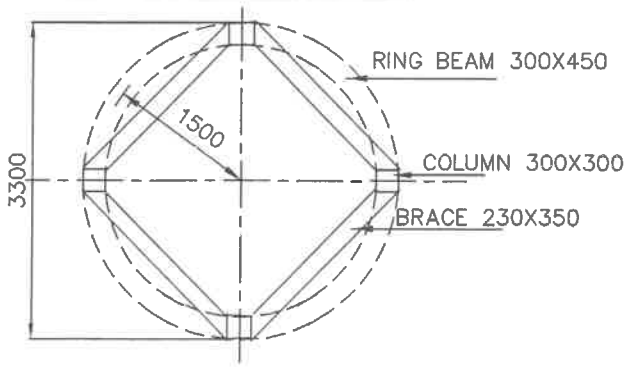
//Approved//

Chief Engineer-II
RWS&S, Gollapudi
Vijayawada.



SECTION ELEVATION



PLAN

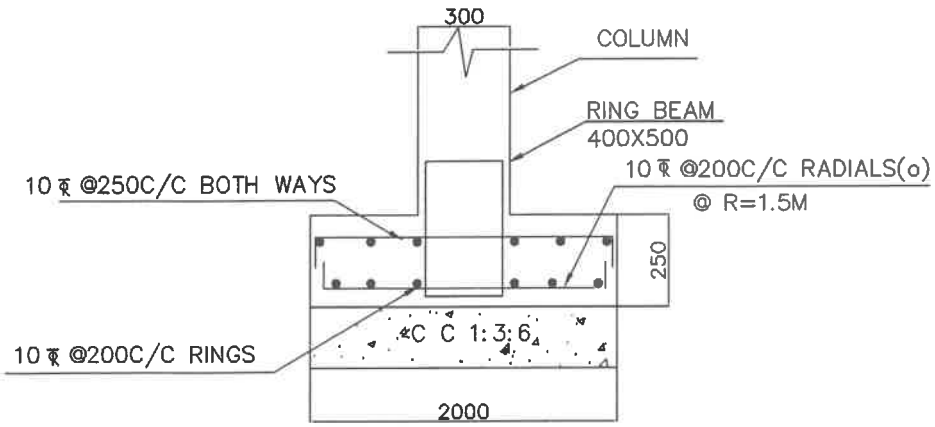
//Approved//

Chief Engineer–II
RWS&S,Gollapudi
Vijayawada.

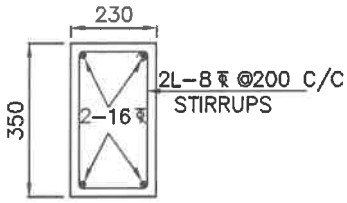
AEE DEE EE

10KL OHSR WITH
12.45m STAGING

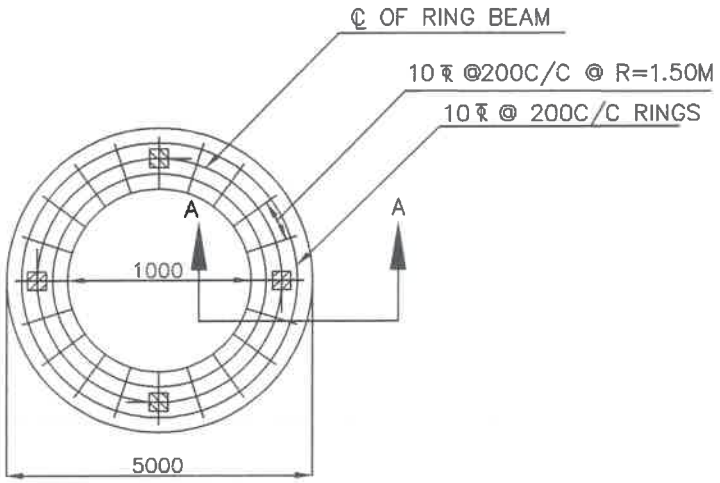
227



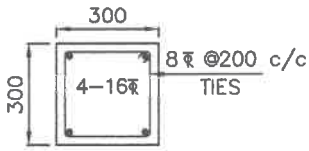
SECTION A–A



SECTION OF BRACE



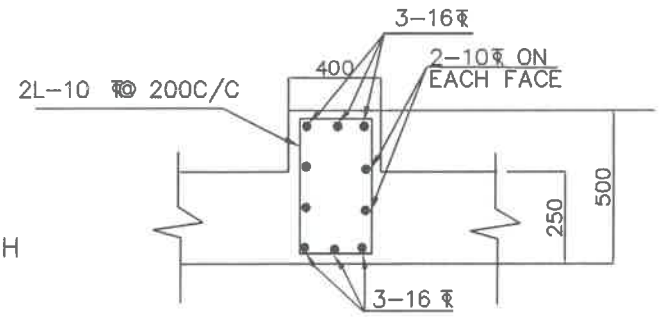
BOTTOM REINFORCEMENT OF RING FOUNDATION



SECTION OF COLUMN

NOTES:

1. Grade of concrete : M30
   Grade of steel : Fe415
2. Depth of foundation : 2.0m
   below G.L upto top of raft
3. Basic wind speed :150 KMPH
4. Staging height :12.45M
   Clear height between the braces :2.70M
   No. of stagings :4
5. 8 Nos of 16 ϕ diagonal bars shall be provided at column brace junction
6. For detailing of reinforcement I.S SP–34 shall be followed
7. All dimensions are in 'mm' unless specified



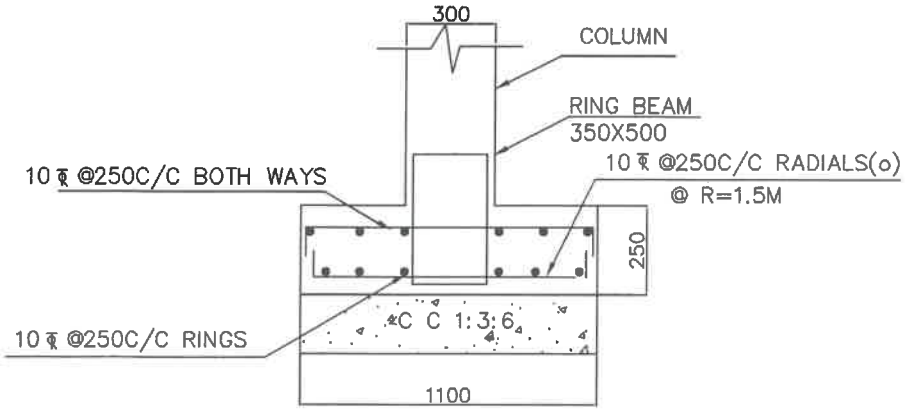
SECTION OF RING BEAM

FOUNDATION DETAILS
10KL OHSR–12.45m
S.B.C OF SOIL–5T/M^2

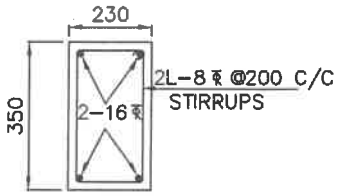
//Approved//

Chief Engineer–II
RWS&S, Gollapudi
Vijayawada.

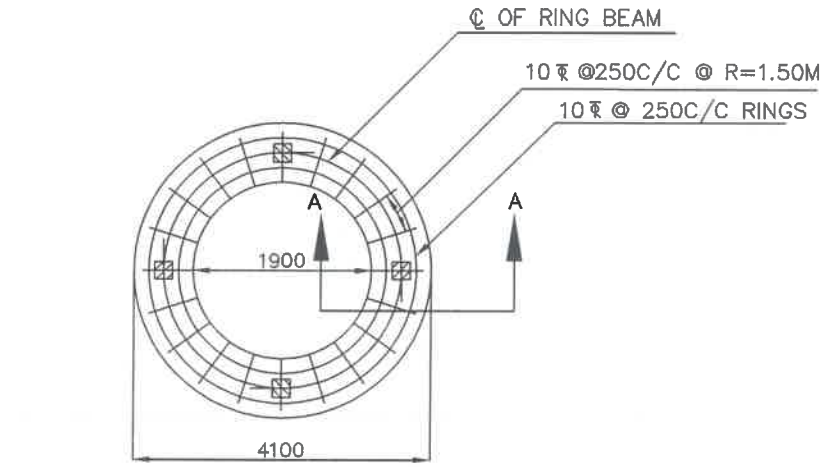
AEE DEE EE



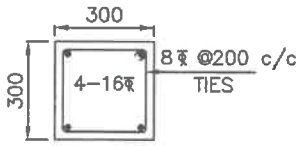
SECTION A–A



SECTION OF BRACE



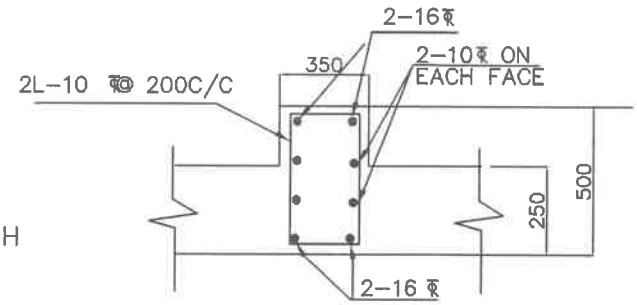
BOTTOM REINFORCEMENT OF RING FOUNDATION



SECTION OF COLUMN

NOTES:

1. Grade of concrete : M30
   Grade of steel : Fe415
2. Depth of foundation : 2.0m
   below G.L upto top of raft
3. Basic wind speed :150 KMPH
4. Staging height :12.45M
   Clear height between the braces :2.70M
   No. of stagings :4
5. 8 Nos of 16 ϕ diagonal bars shall be provided at column brace junction
6. For detailing of reinforcement I.S SP–34 shall be followed
7. All dimensions are in 'mm' unless specified



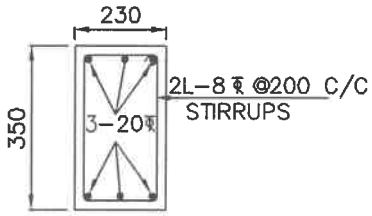
SECTION OF RING BEAM

FOUNDATION DETAILS
10KL OHSR–12.45m
S.B.C OF SOIL >=10T/M^2

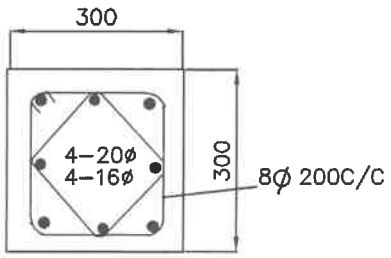
//Approved//

AEE DEE EE

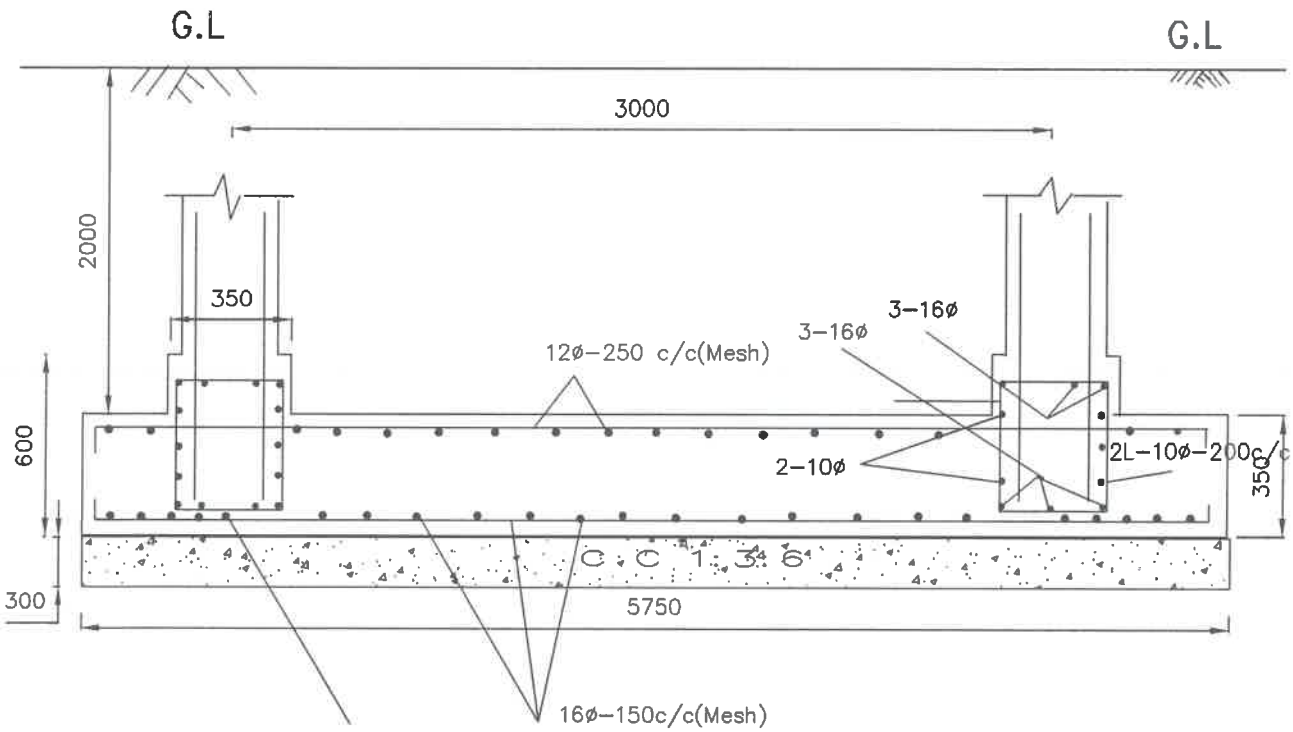
Chief Engineer–II
RWS&S,Gollapudi
Vijayawada.



SECTION OF BRACE



SECTION OF COLUMN



SECTION OF RAFT SLAB

NOTES

1. Grade of concrete :M30
   Grade of steel :Fe415
2. Basic wind speed :200 KMPH
3. Depth of foundation below GI upto top of Raft :2.0 M
4. Staging height :12.45M
   Clear height between the braces :2.70M
   No of stagings :4
5. 8 Nos of 16ϕ diagonal bars shall be provided at column brace junction
6. For detailing of reinforcement IS SP–34 shall be followed
7. All dimensions are in 'mm' unless specified

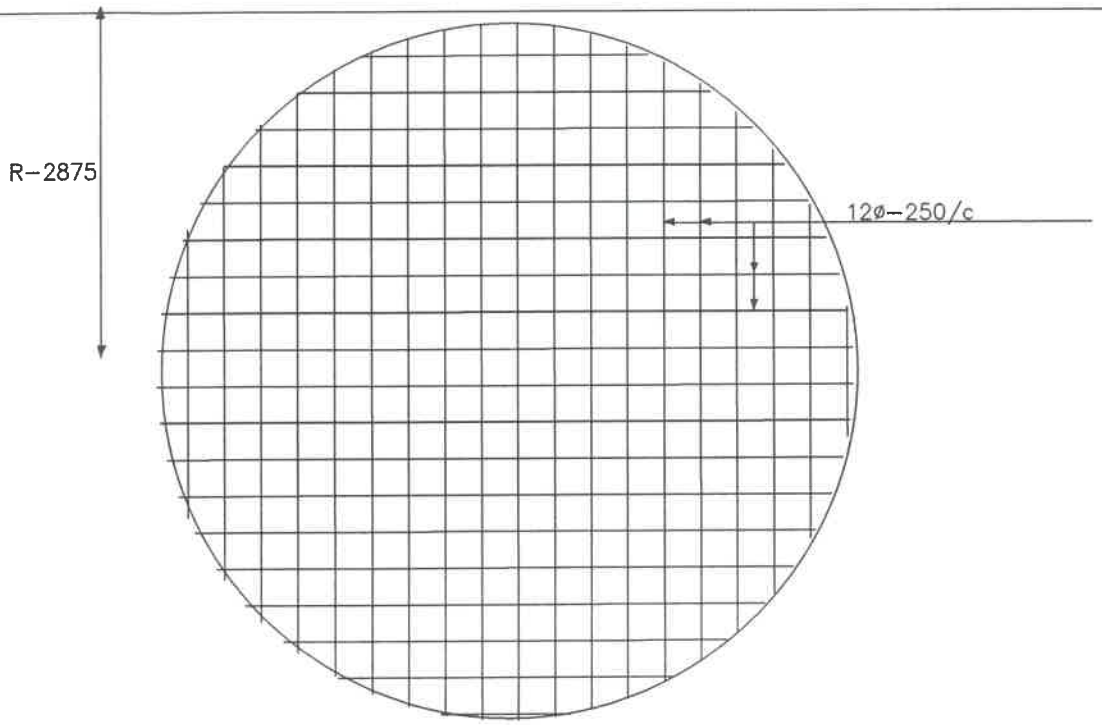
//Approved//

Chief Engineer–II
RWS&S,Gollapudi
Vijayawada.

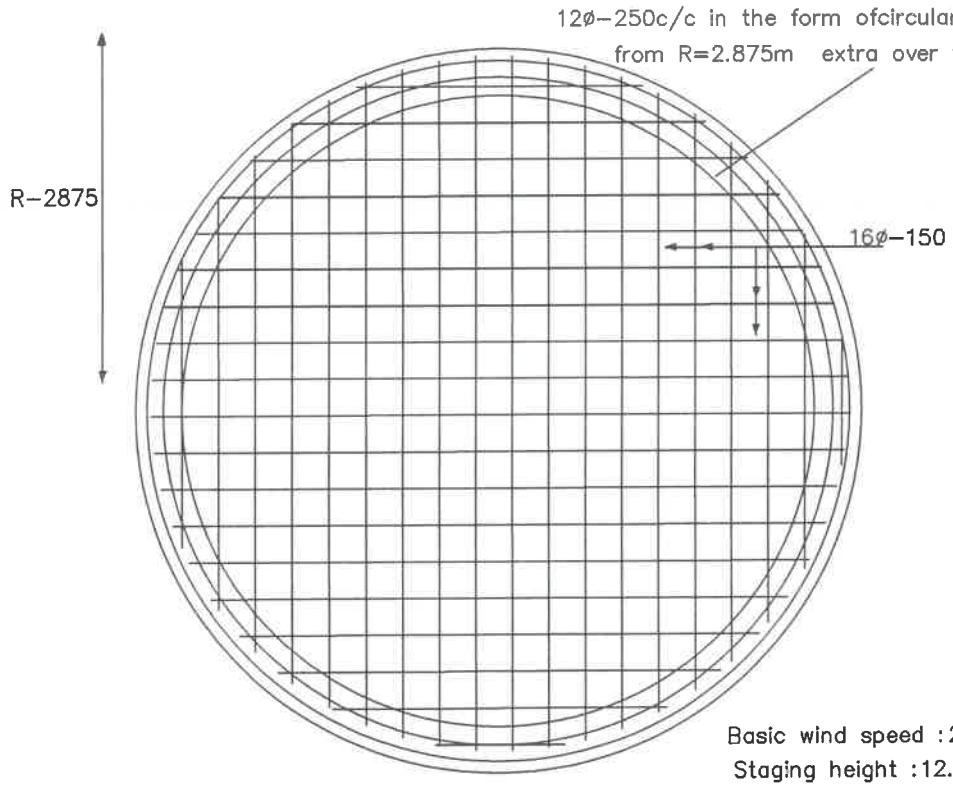
provide sand filling–300mm

SCHEME:
10KL O.H.B.R
S.B.C– 5T/M^2

AEE DEE EE



TOP LAYER OF BOTTOM RAFT



//Approved//

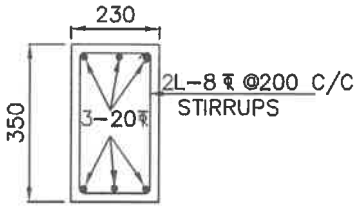
Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

Basic wind speed : 200 KMPH
Staging height : 12.45M

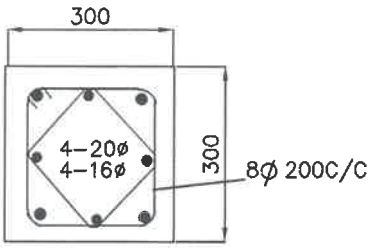
BOTTOM LAYER OF BOTTOM RAFT

SCHEME:
10KL O.H.B.R
S.B.C- 5T/M^2

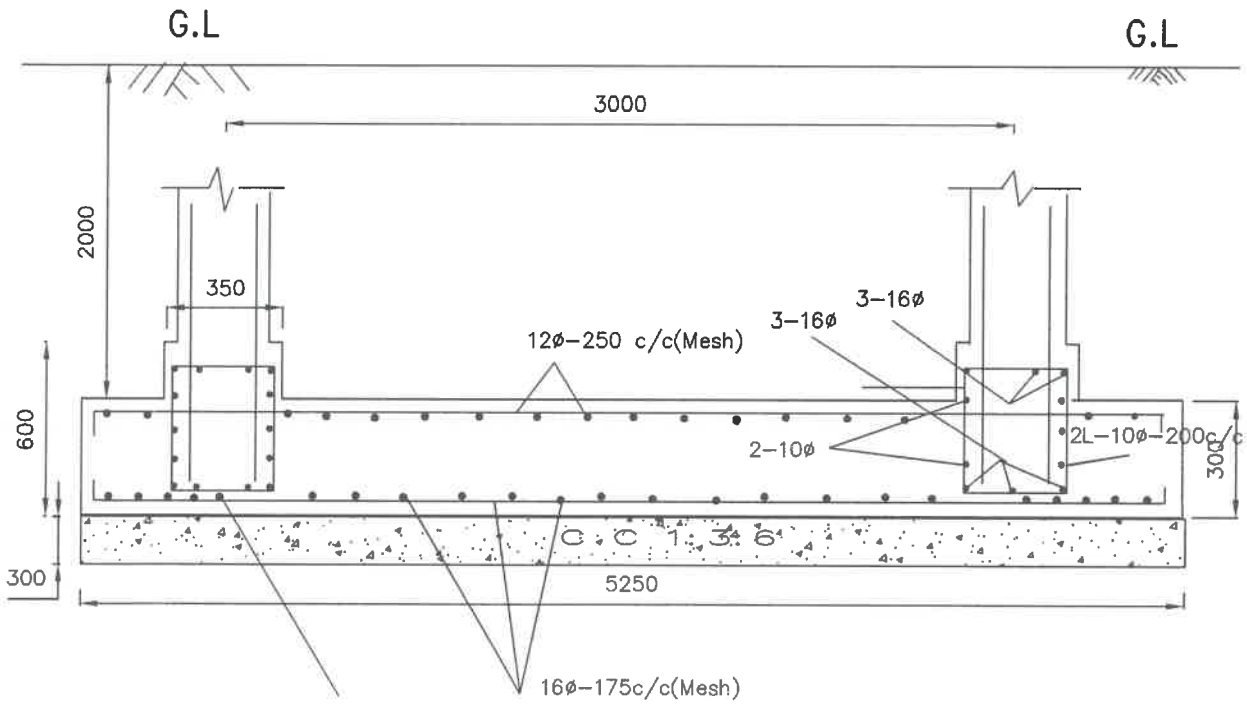
AEE DEE EE



SECTION OF BRACE



SECTION OF COLUMN



SECTION OF RAFT SLAB

//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

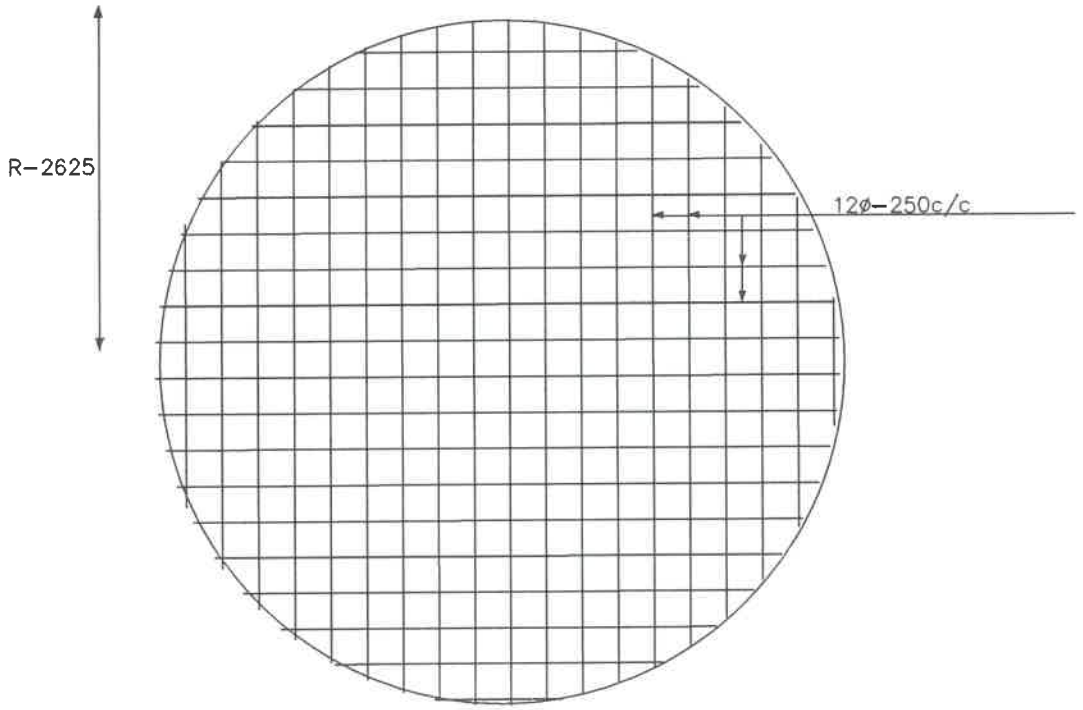
NOTES

1. Grade of concrete : M30
   Grade of steel : Fe415
2. Basic wind speed : 200 KMPH
3. Depth of foundation : 2.0 M
   below GI upto top of Raft
4. Staging height : 12.45M
   Clear height between the braces : 2.7M
   No of stagings : 4
5. 8 Nos of 16ϕ diagonal bars shall be provided at column brace junction
6. For detailing of reinforcement IS SP-34 shall be followed
7. All dimensions are in 'mm' unless specified

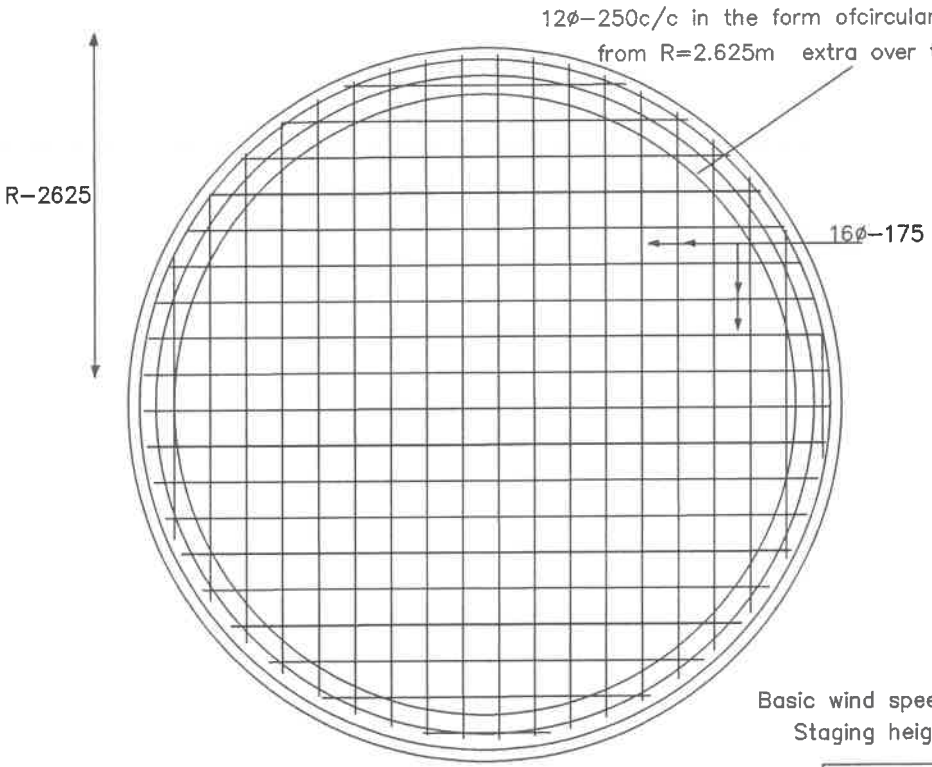
provide sand filling-300mm

SCHEME:
10KL O.H.B.R
SBC:5-10T/M^2

AEE DEE EE



TOP LAYER OF BOTTOM RAFT



BOTTOM LAYER OF BOTTOM RAFT

//Approved//

Chief Engineer-II
RWS&S,Gollapudi
Vijayawada.

Basic wind speed : 200 KMPH
Staging height : 12.45M

SCHEME:
10KL O.H.B.R
SBC:5-10T/M^2

AEE DEE EE