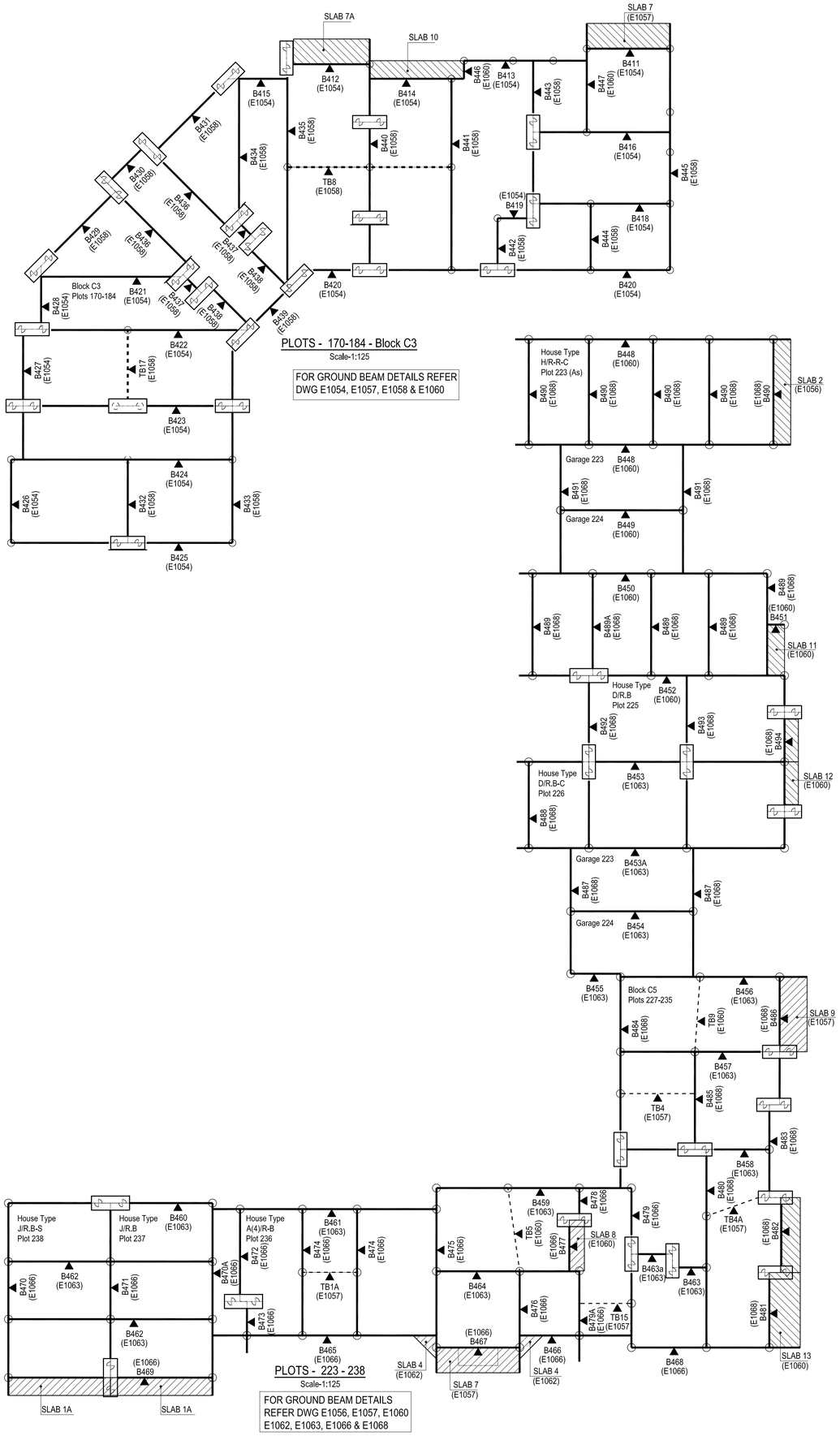


PLOTS - 170-184 - Block C3

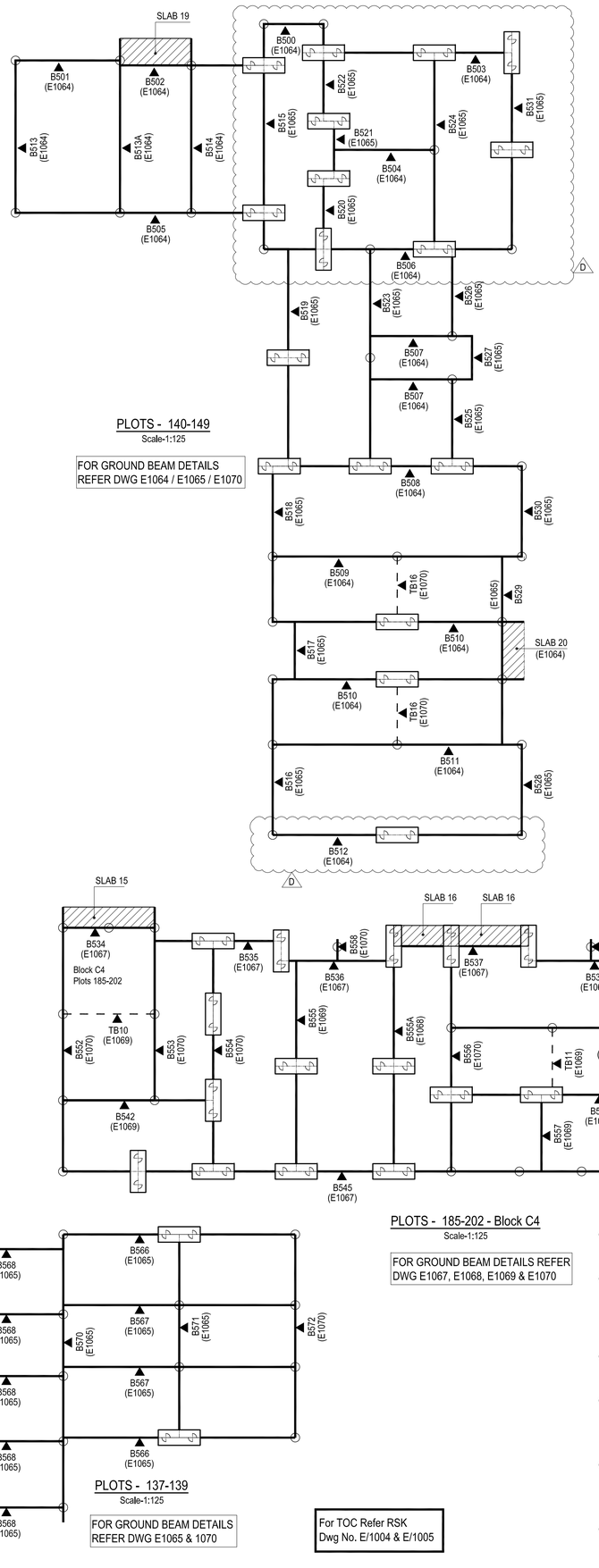
Scale-1:125

FOR GROUND BEAM DETAILS REFER DWG E1054, E1057, E1058 & E1060

PLOTS - 223 - 238

Scale-1:125

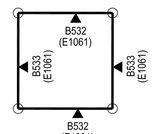
FOR GROUND BEAM DETAILS REFER DWG E1056, E1057, E1060 E1062, E1063, E1066 & E1068



PLOTS - 140-149

Scale-1:125

FOR GROUND BEAM DETAILS REFER DWG E1064 / E1065 / E1070



SUB-STATION

Scale-1:125

FOR ALLGROUND BEAM DETAILS REFER DWG E1061

PLOTS - 185-202 - Block C4

Scale-1:125

FOR GROUND BEAM DETAILS REFER DWG E1067, E1068, E1069 & E1070

PLOTS - 137-139

Scale-1:125

FOR GROUND BEAM DETAILS REFER DWG E1065 & 1070

For TOC Refer RSK Dwg No. E/1004 & E/1005

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed it's Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Notes:-

1. This drawing is to be read in conjunction with all architects, engineers and specialists drawings along with all relevant specifications.
2. Refer to RSK's drawing no E/1002 to E/1005 for general arrangement of pile and ground beam.
3. Do not scale from this drawing.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

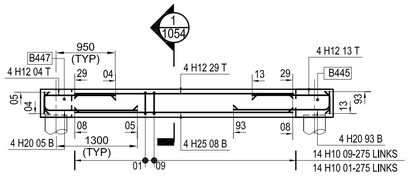
Client

Project Title

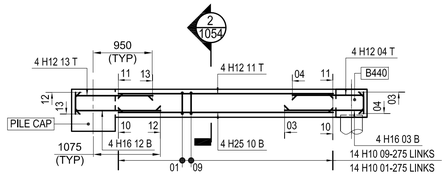
Drawing Title

GROUND BEAM KEY PLAN FOR PLOTS 137-139, 140-149, 170-184, 185-202 & 223-238

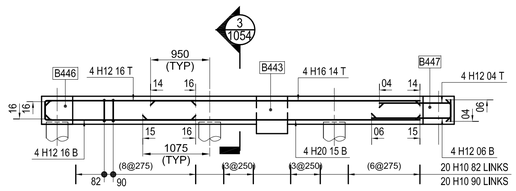
Drawn Date	Checked Date	Approved Date
Scale	Orig Size	Dimensions
Project No.	Drawing File	
Drawing No.		Rev.



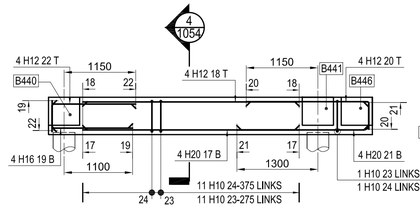
Elevation of Beam-B411 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



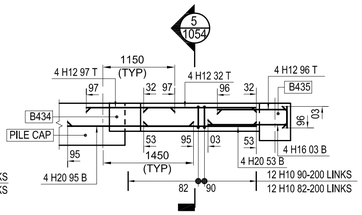
Elevation of Beam-B412 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



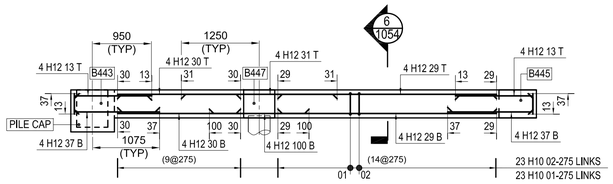
Elevation of Beam-B413 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



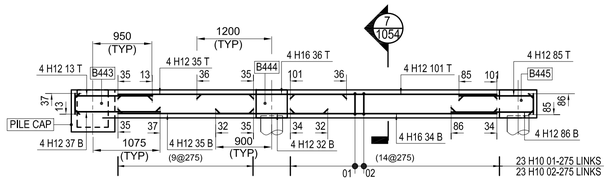
Elevation of Beam-B414 (500W x 600D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



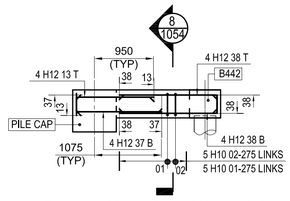
Elevation of Beam-B415 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



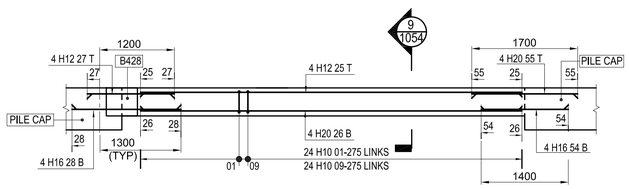
Elevation of Beam-B416 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



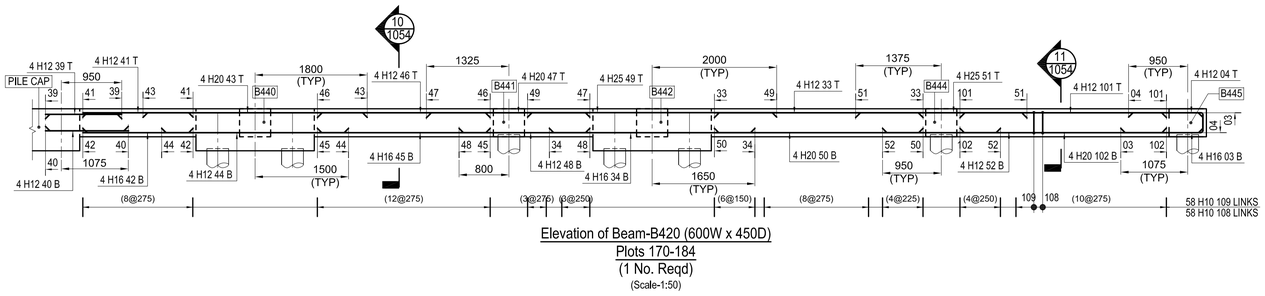
Elevation of Beam-B418 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



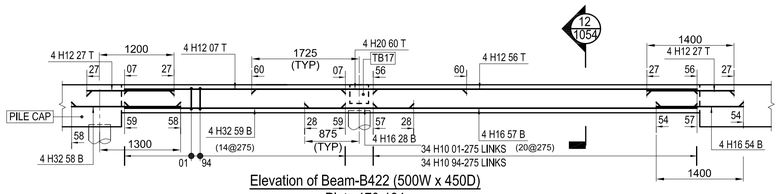
Elevation of Beam-B419 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



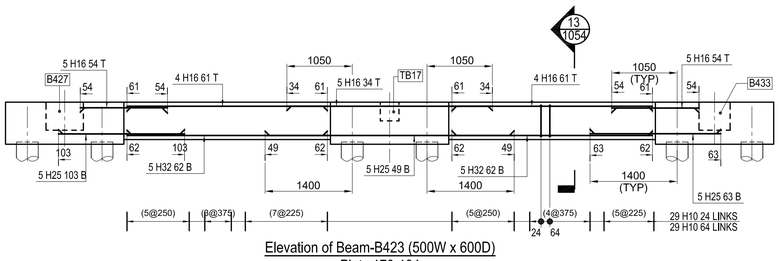
Elevation of Beam-B421 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



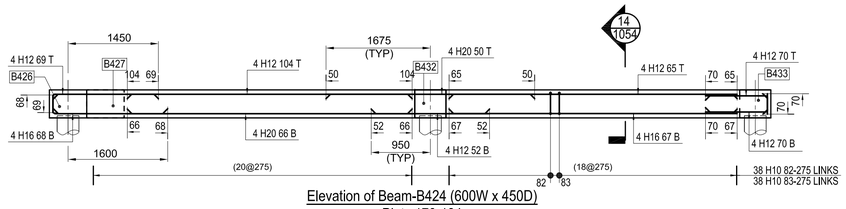
Elevation of Beam-B420 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



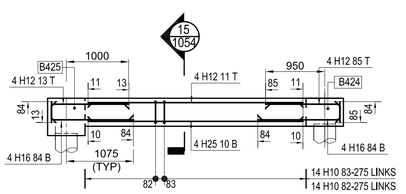
Elevation of Beam-B422 (500W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



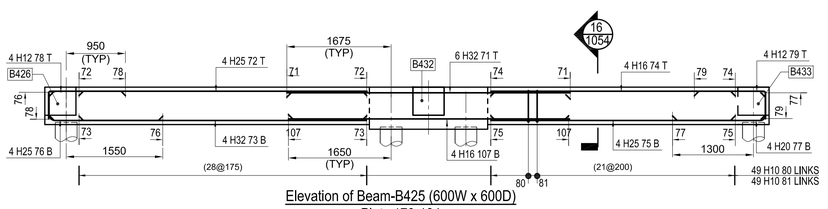
Elevation of Beam-B423 (500W x 600D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



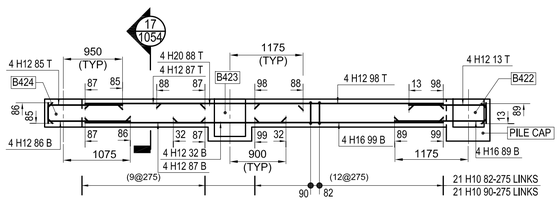
Elevation of Beam-B424 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



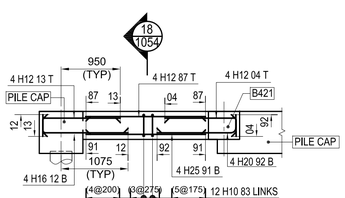
Elevation of Beam-B426 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



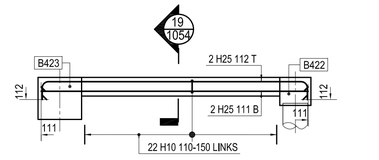
Elevation of Beam-B425 (600W x 600D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



Elevation of Beam-B427 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



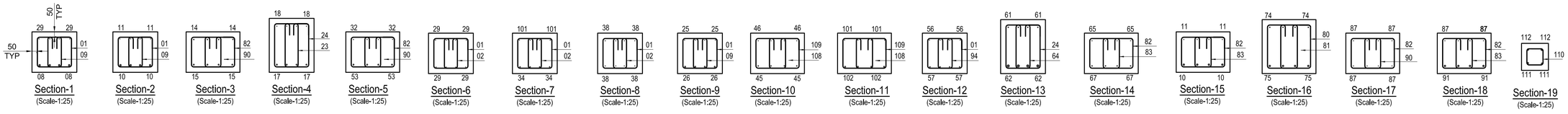
Elevation of Beam-B428 (600W x 450D)
Plots 170-184
(1 No. Reqd)
(Scale-1:50)



Elevation of Beam-TB17 (300W x 300D)
Plot 170-184
1 No. Reqd
(scale-1:50)

FOR TOC REFER RSK'S DRG.E/1004

FOR KEY PLAN REFER TO DWG. NO.E/1052



CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed it's Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

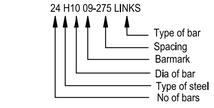
Notes:-

1. This drawing is to be read in conjunction with all architects, engineers and specialists drawings along with all relevant specifications.
2. Refer to RSK's drawing no E/1004 for general arrangement of pile and ground beam.
3. Do not scale from this drawing.
4. Concrete grade to be RC28/35.
5. Reinforcement is to be high yield strength reinforcement (fy = 500n/mm^2) of deformed type 2 bond classification.
6. Bars listed in this drawing are as shown on bar bending schedule E/1054 sheet 1 to 8.
7. Nominal cover to beam reinforcement to be 50mm.
8. Minimum lap length to be 40 x bar dia

B10 = 400mm	B12 = 500mm
B16 = 650mm	B20 = 800mm
B25 = 1000mm	B32 = 1300mm

9. Reinforcement listed on the bar bending schedule complies with BS 8666:2005.

Reinforcement is called as follows



Abbreviations used:-

DIA:-	Diameter	TBC:-	To be confirmed
REINF:-	Reinforcement	TOC:-	Top of concrete
T:-	Top	TOB:-	Top of beam
B:-	Bottom	ALT:-	Alternate
TYP:-	Typical	D:-	Depth
UNO:-	Unless noted otherwise	W:-	Width
DWG:-	Drawing		

Legend:-

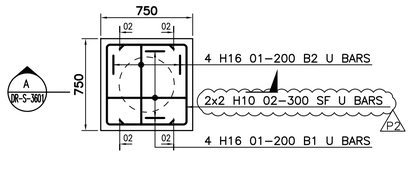
Rev.	Date	Amendment	Drawn	Chkd.	Appd.
B	06.08.15	TIE BEAM -TB17 ADDED	VVS	ADM	RAK
A	03.07.15	Issued for CONSTRUCTION	PBK	ADM	RAK

Client

Project Title

Drawing Title

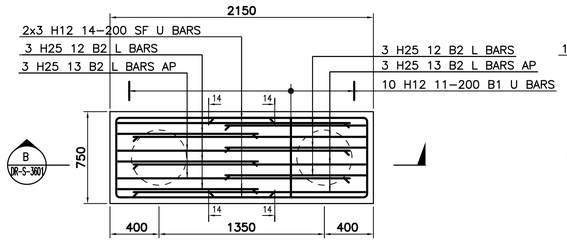
Drawn Date	Checked Date	Approved Date
Scale	Orig Size	Dimensions
Project No.	Drawing File	
Drawing No.		Rev.



RC DETAILS OF PILE CAP PC1

(38 NOS. THUS)

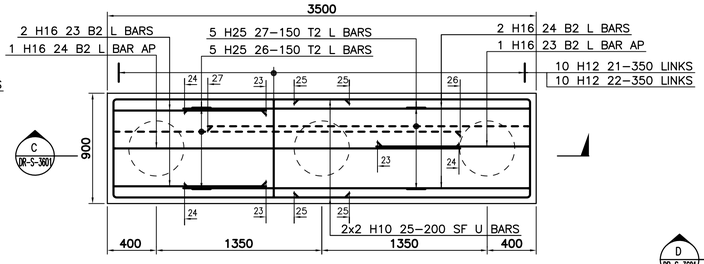
[SCALE 1:25]



RC DETAILS OF PILE CAP PC2

(60 NOS. THUS)

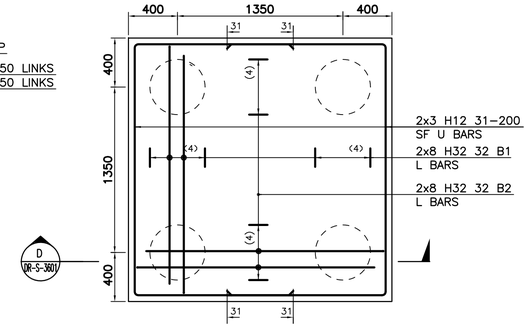
[SCALE 1:25]



RC DETAILS OF PILE CAP PC3

(6 NOS. THUS)

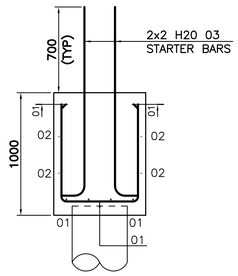
[SCALE 1:25]



RC DETAILS OF PILE CAP PC4

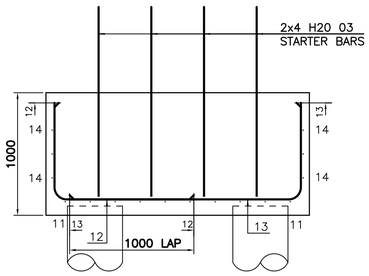
(1 NO. THUS)

[SCALE 1:25]



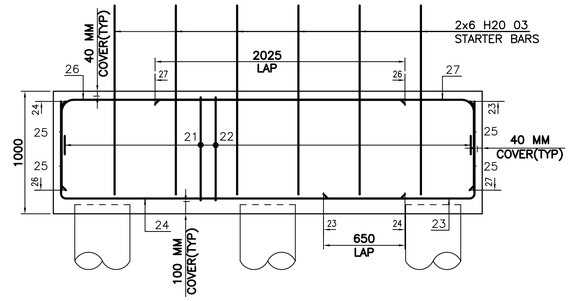
SECTION A–A

[SCALE 1:25]



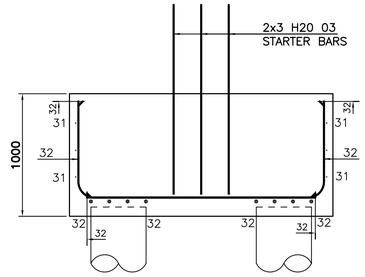
SECTION B–B

[SCALE 1:25]



SECTION C–C

[SCALE 1:25]



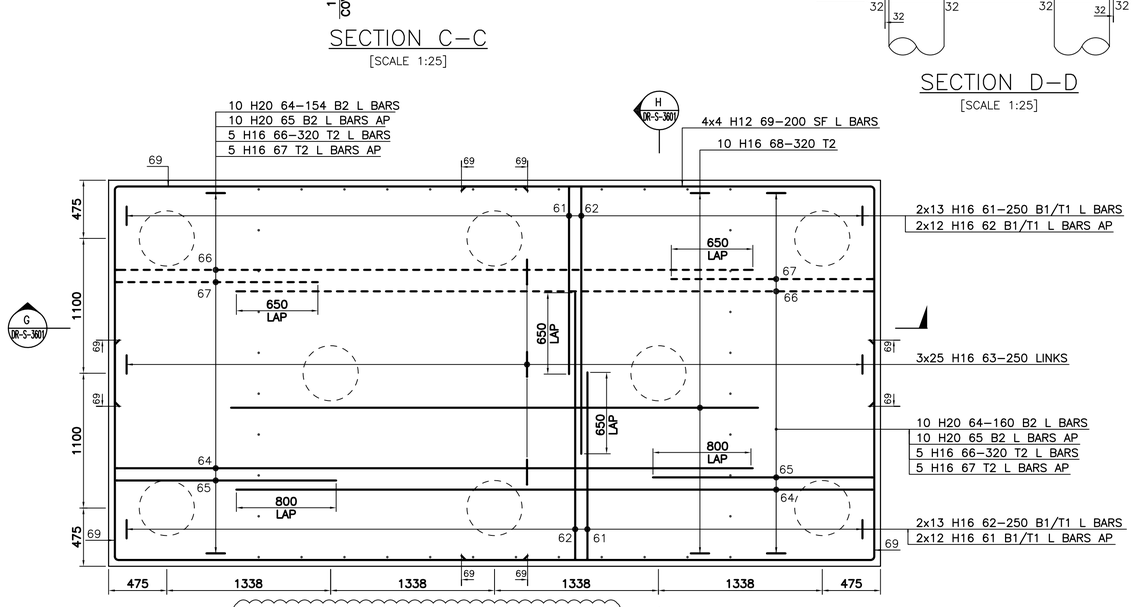
SECTION D–D

[SCALE 1:25]

RC DETAILS OF PILE CAP PC5

(1 NO. THUS)

[SCALE 1:25]

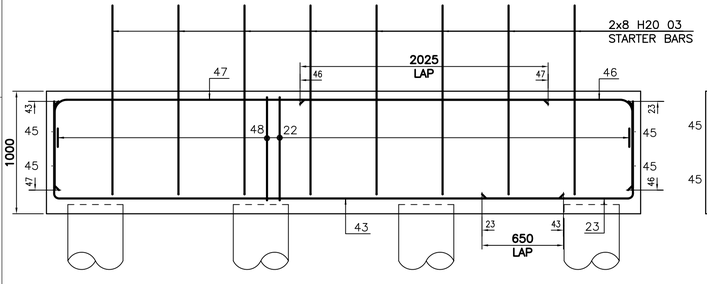


RC DETAILS OF PILE CAP PC6

(2 NOS. THUS)

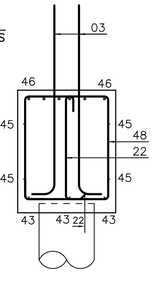
[SCALE 1:25]

P2



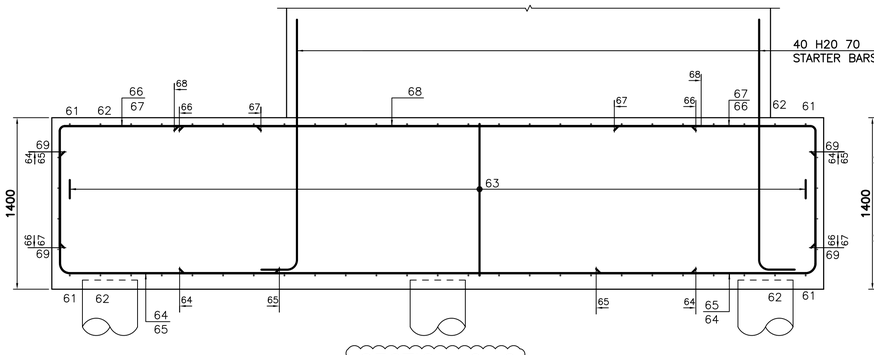
SECTION E–E

[SCALE 1:25]



SECTION F–F

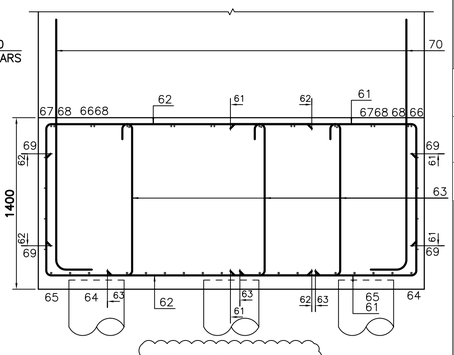
[SCALE 1:25]



SECTION G–G

[SCALE 1:25]

P2



SECTION H–H

[SCALE 1:25]

P2

1012291 A1

Based on Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40.
3. REFER TO SCHEDULE: SC-S-3601 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE

   PILECAP : BOTTOM = 100mm, TOP & SIDES = 40mm.
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE 40 X BAR DIA. U.N.O:

   H8 - 325mm
   H10 - 400mm
   H12 - 500mm
   H16 - 650mm
   H20 - 800mm
   H25 - 1000mm
   H32 - 1300mm
   H40 - 1600mm

BOTTOM BARS : ———

TOP BARS : – – – – – –

Issue	Date	Description	By	Chkd	Verfd

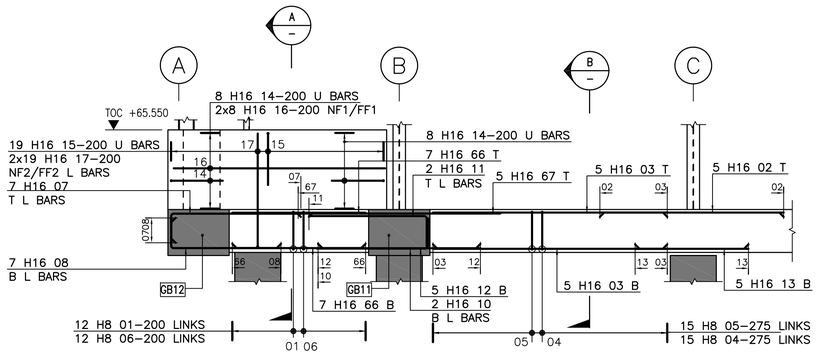
Project
NEWCASTLE UNIVERSITY SPORTS CENTRE

Client

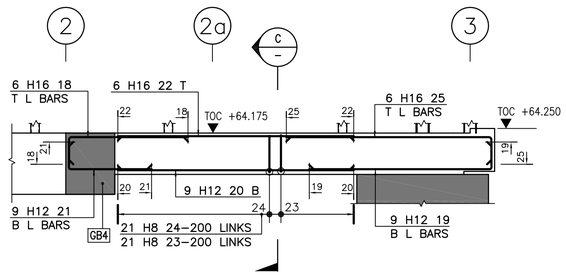
Architect

Title
RC DETAIL OF PILE CAPS

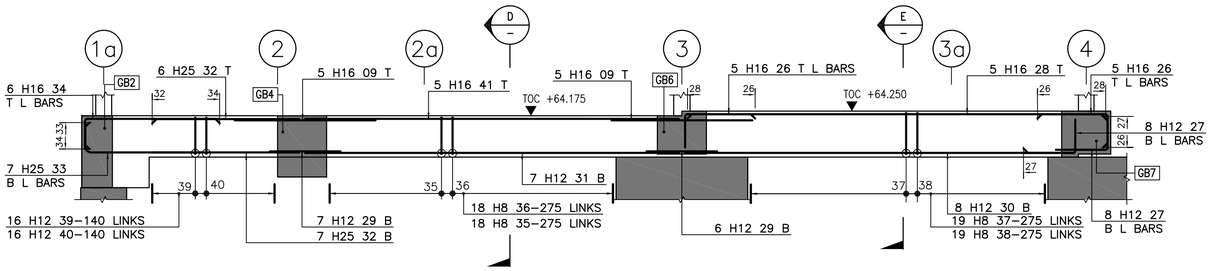
Drawing No.		Drawing Status	
Job No.		Scale @A1	
Originator	Checked	Verified	Issue



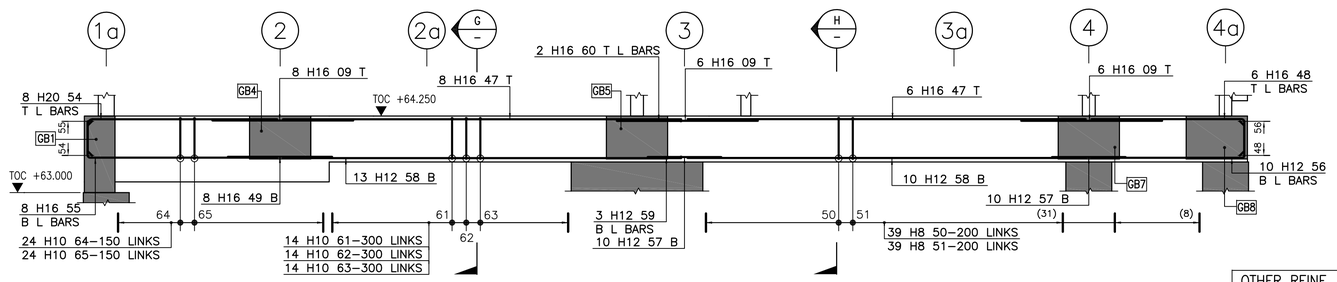
RC DETAILS OF GROUND BEAM GB8
(1000/800X700DP)
(1 NO. THUS)
[SCALE 1:50]



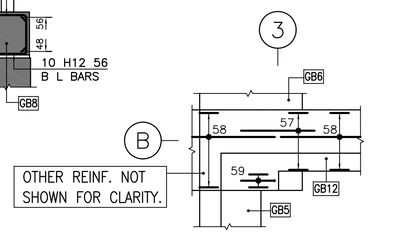
RC DETAILS OF GROUND BEAM GB9
(1000X675DP)
(1 NO. THUS)
[SCALE 1:50]



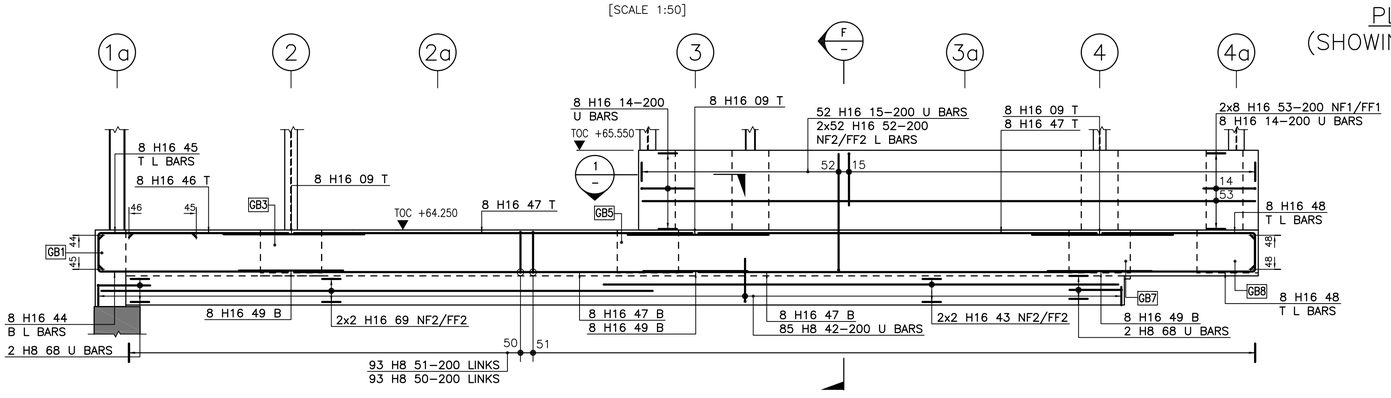
RC DETAILS OF GROUND BEAM GB10
(800X675/750DP)
(1 NO. THUS)
[SCALE 1:50]



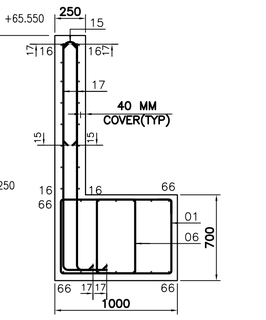
RC DETAILS OF GROUND BEAM GB11
(1000X1314/750DP)
(1 NO. THUS)
[SCALE 1:50]



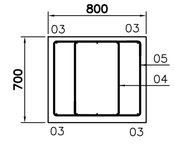
PLAN VIEW 1–1
(SHOWING BOTTOM REINF.)
[SCALE 1:50]



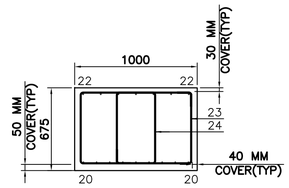
RC DETAILS OF GROUND BEAM GB12
(1000X750DP)
(1 NO. THUS)
[SCALE 1:50]



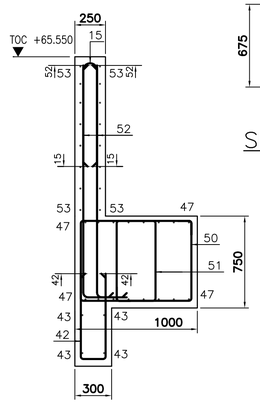
SECTION A–A
[SCALE 1:25]



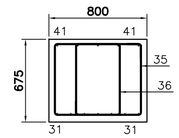
SECTION B–B
[SCALE 1:25]



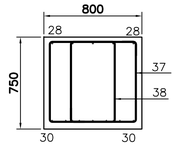
SECTION C–C
[SCALE 1:25]



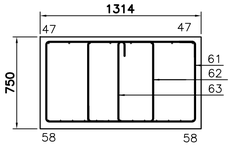
SECTION F–F
[SCALE 1:25]



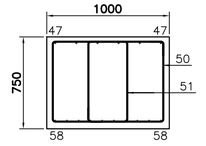
SECTION D–D
[SCALE 1:25]



SECTION E–E
[SCALE 1:25]

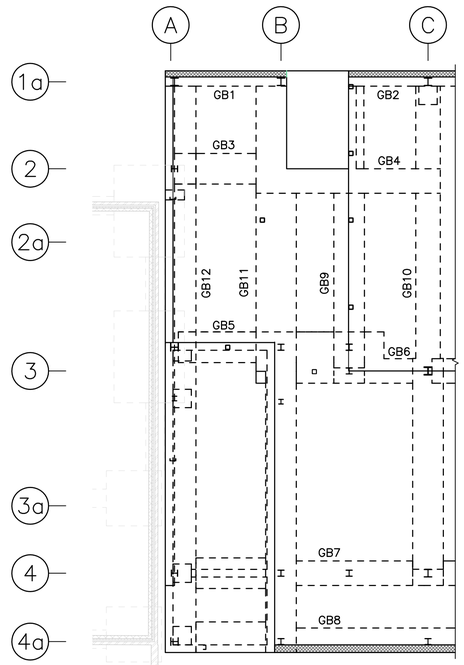


SECTION G–G
[SCALE 1:25]



SECTION H–H
[SCALE 1:25]

FOR GROUND BEAMS GB1 TO GB7 REFER
DRG. NO.NCLSP–CUN–00––1–DR–S–3602



KEY PLAN
[SCALE 1:100]

1012291 A1

Based on Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40.
3. REFER TO SCHEDULE: SC-S-3601 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE
   BEAM : BOTTOM = 50mm, TOP= 30 & SIDES = 40mm.
   WALL : ALL SIDE = 40mm.
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE AS FOLLOWS :

BAR DIA	LAP LENGTHS		ANCHORAGE LENGTHS	
	GOOD BOND	POOR BOND	GOOD BOND	POOR BOND
8	300	425	200	275
10	400	575	275	400
12	525	750	350	500
16	775	1100	525	725
20	1000	1425	675	950
25	1300	1850	875	1250
32	1650	2350	1100	1575
40	2250	3200	1500	2150

Issue	Date	Description	By	Chkd	Verfd

Project

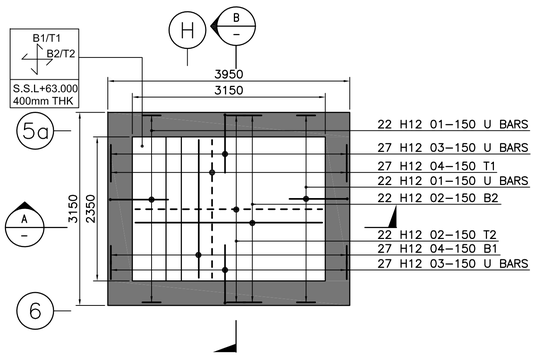
Client

Architect

Title
RC DETAIL OF GROUND BEAMS
(GB8 TO GB12)

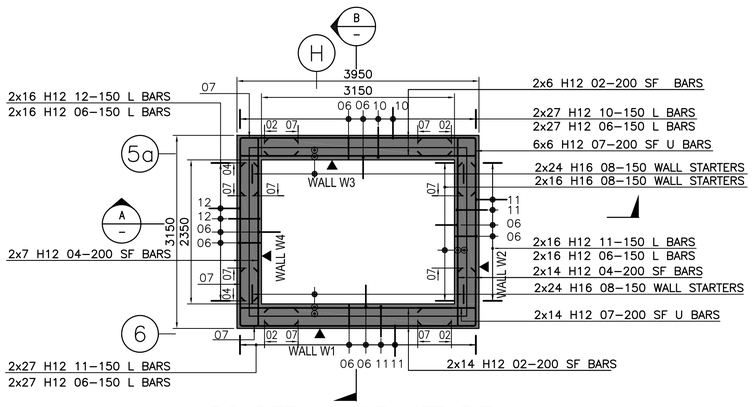
Drawing No.	Drawing Status
Job No.	Scale @A1

Originator	Checked	Verified	Issue



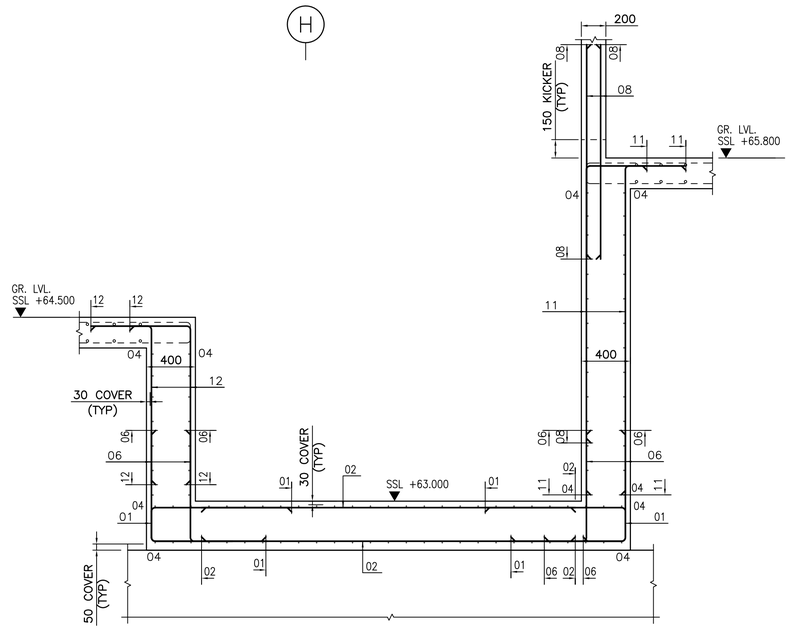
RC DETAILS OF LIFT PIT 1
(SHOWING PIT SLAB REINF.)

[SCALE 1:50]



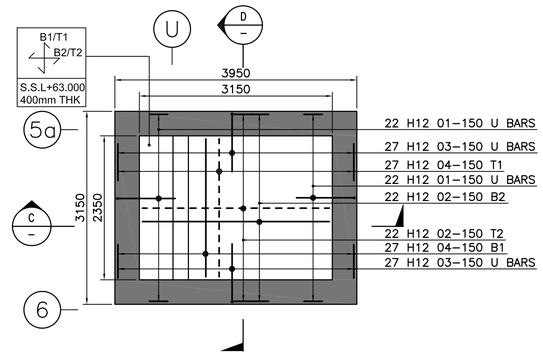
RC DETAILS OF LIFT PIT 1
(SHOWING SIDE BARS & WALL REINF.)

[SCALE 1:50]



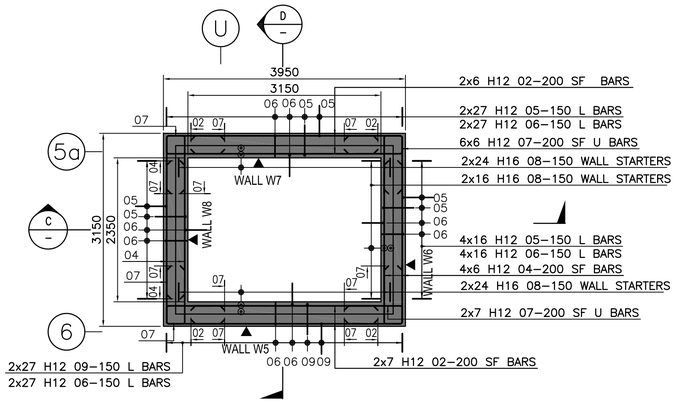
SECTION A–A

[SCALE 1:25]



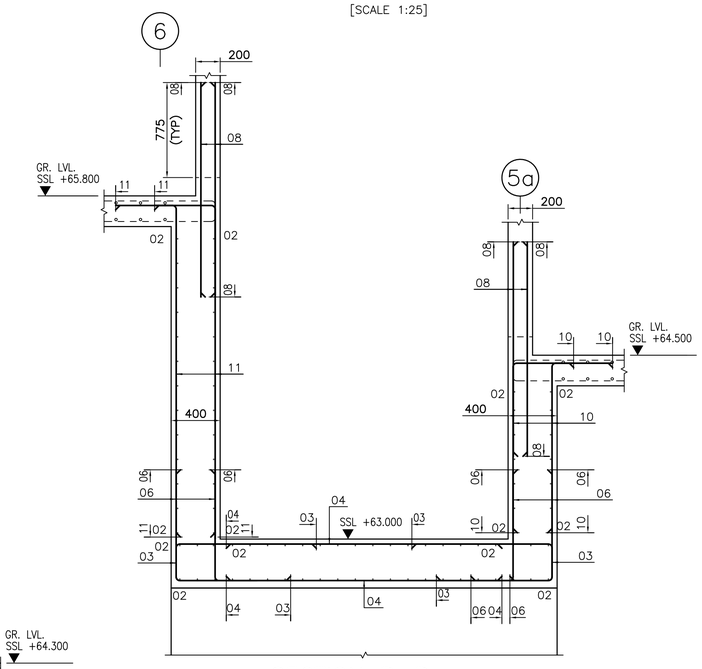
RC DETAILS OF LIFT PIT 2
(SHOWING PIT SLAB REINF.)

[SCALE 1:50]



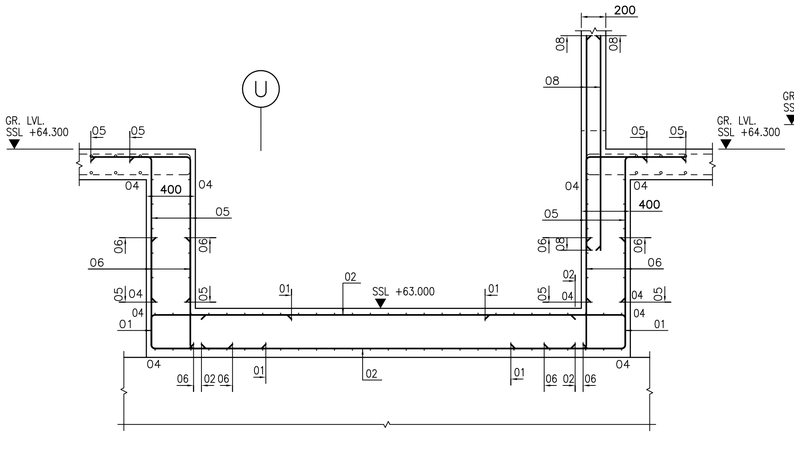
RC DETAILS OF LIFT PIT 2
(SHOWING SIDE BARS & WALL REINF.)

[SCALE 1:50]



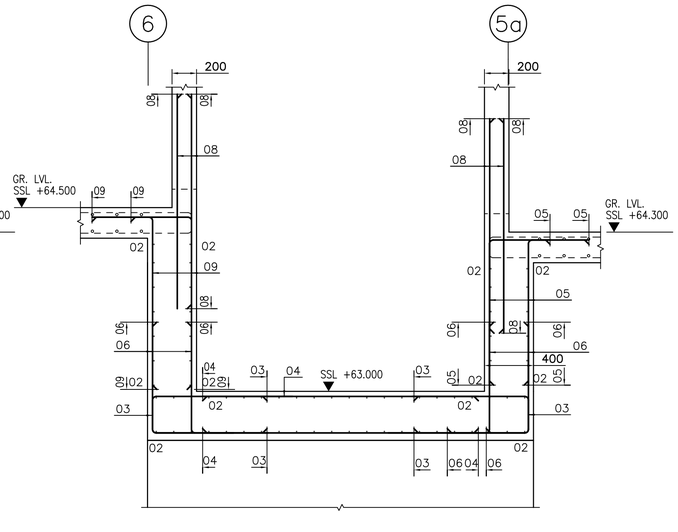
SECTION B–B

[SCALE 1:25]



SECTION C–C

[SCALE 1:25]



SECTION D–D

[SCALE 1:25]

FOR KEY PLAN AND WALLS W1 TO W8 REINF.
REFER DRG. NO. NCLSP–CUN–00––1–DR–S–3607

1012291 A1

Based on Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40.
3. REFER TO SCHEDULE: SC-S-3606 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE

   LIFT PIT : BOTTOM = 50mm, TOP= 30 & SIDES = 30mm.
   WALL : ALL SIDES = 30mm
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE AS FOLLOWS :

BAR DIA	LAP LENGTHS		ANCHORAGE LENGTHS	
	GOOD BOND	POOR BOND	GOOD BOND	POOR BOND
8	300	425	200	275
10	400	575	275	400
12	525	750	350	500
16	775	1100	525	725
20	1000	1425	675	950
25	1300	1850	875	1250
32	1650	2350	1100	1575
40	2250	3200	1500	2150

Issue	Date	Description	By	Chkd	Verfd

Project

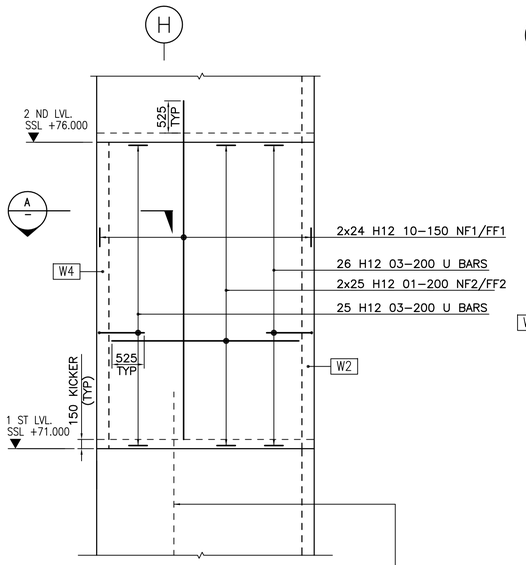
Client

Architect

Title
RC DETAIL OF LIFT PIT 1 & LIFT PIT 2

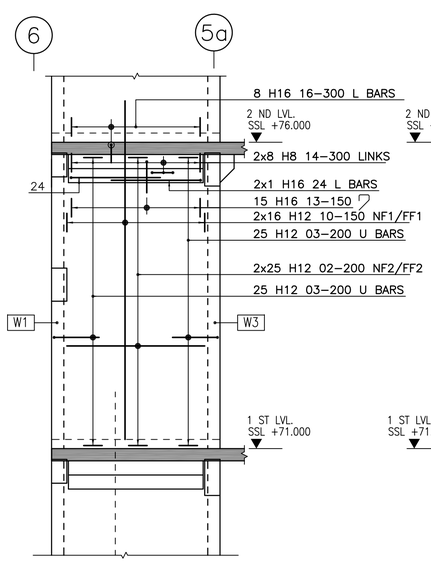
Drawing No.	Drawing Status
Job No.	Scale @A1

Originator	Checked	Verified	Issue

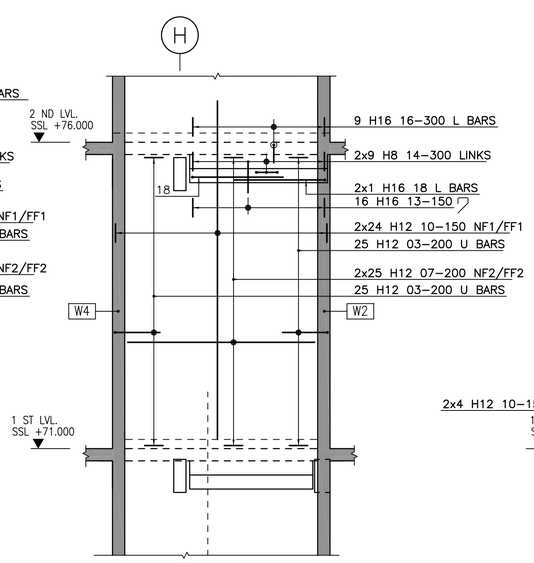


RC DETAILS OF WALL W1
(200 THK.)
[SCALE 1:50]

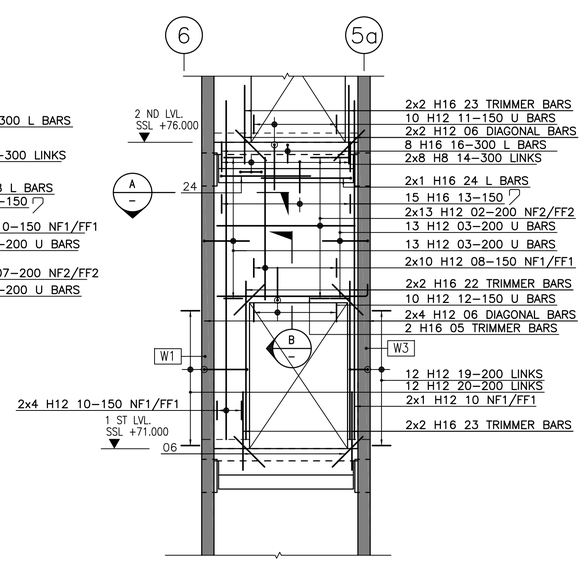
FOR WALL STARTERS REFER DRG. NO.
NCLSP-CUN-00--1-DR-S-3607 (TYP)



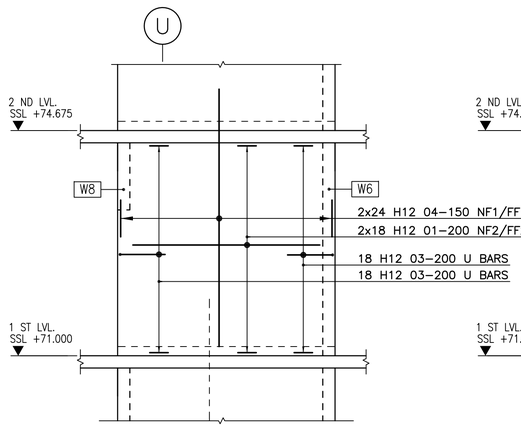
RC DETAILS OF WALL W2
(200 THK.)
[SCALE 1:50]



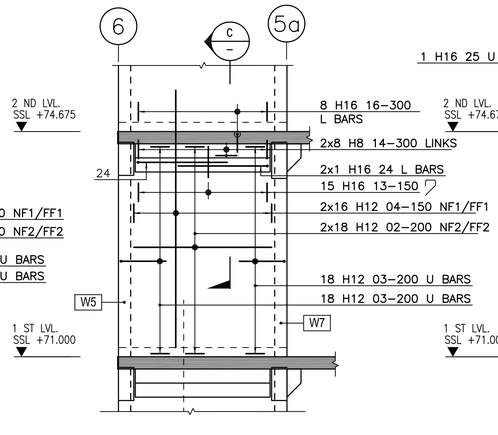
RC DETAILS OF WALL W3
(200 THK.)
[SCALE 1:50]



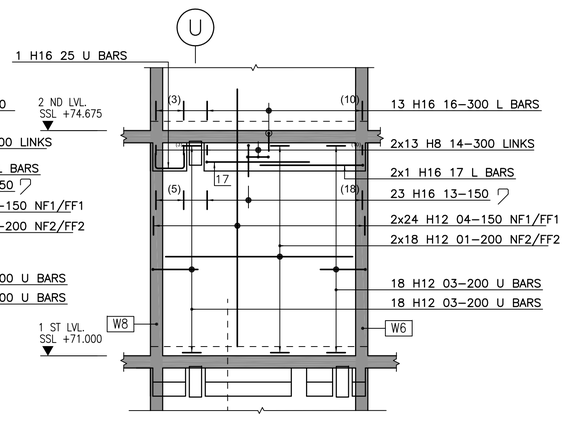
RC DETAILS OF WALL W4
(200 THK.)
[SCALE 1:50]



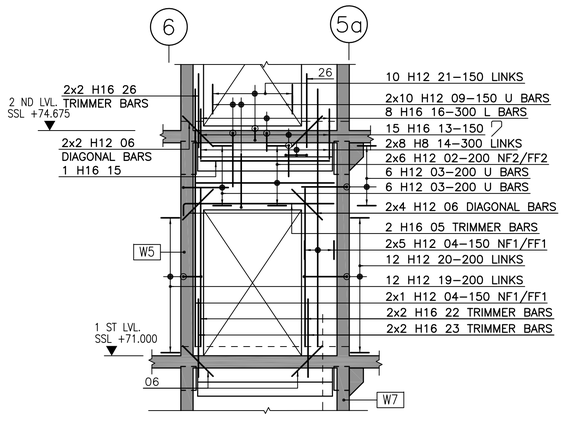
RC DETAILS OF WALL W5
(200 THK.)
[SCALE 1:50]



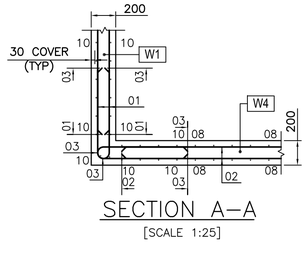
RC DETAILS OF WALL W6
(200 THK.)
[SCALE 1:50]



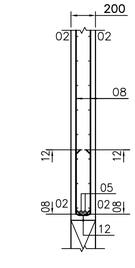
RC DETAILS OF WALL W7
(200 THK.)
[SCALE 1:50]



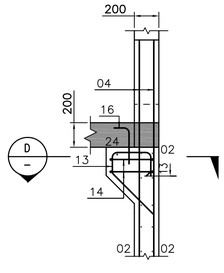
RC DETAILS OF WALL W8
(200 THK.)
[SCALE 1:50]



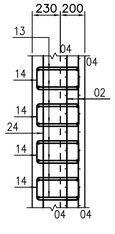
SECTION A–A
[SCALE 1:25]



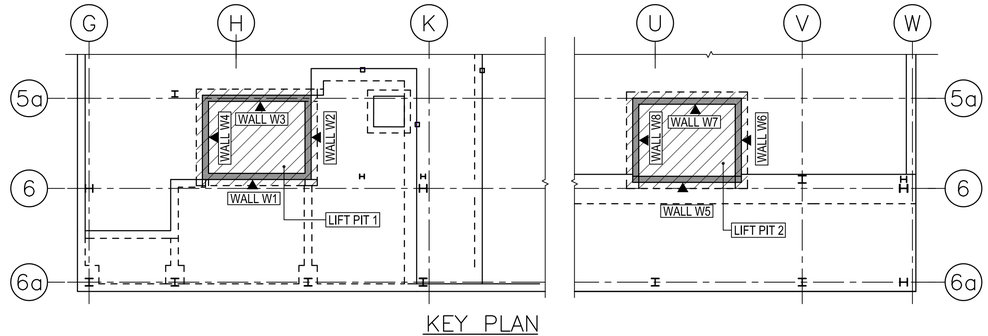
SECTION B–B
[SCALE 1:25]



SECTION C–C
[SCALE 1:25]



SECTION D–D
[SCALE 1:25]



KEY PLAN
[SCALE 1:100]

1012291 A1

Based on Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40.
3. REFER TO SCHEDULE: SC-S-3616 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE

   WALL : ALL SIDES = 30mm
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE AS FOLLOWS :

BAR DIA	LAP LENGTHS		ANCHORAGE LENGTHS	
	GOOD BOND	POOR BOND	GOOD BOND	POOR BOND
8	300	425	200	275
10	400	575	275	400
12	525	750	350	500
16	775	1100	525	725
20	1000	1425	675	950
25	1300	1850	875	1250
32	1650	2350	1100	1575
40	2250	3200	1500	2150

Issue	Date	Description	By	Chkd	Verfd

Project

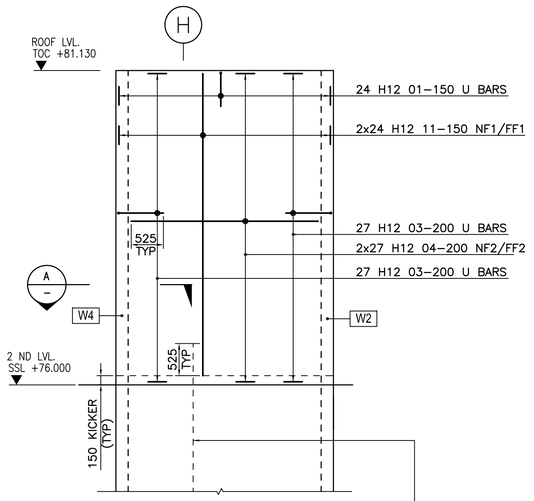
Client

Architect

Title
RC DETAILS OF LIFT PIT 1 AND 2
WALLS W1 TO W8 (FIRST TO SECOND FL. LVL)

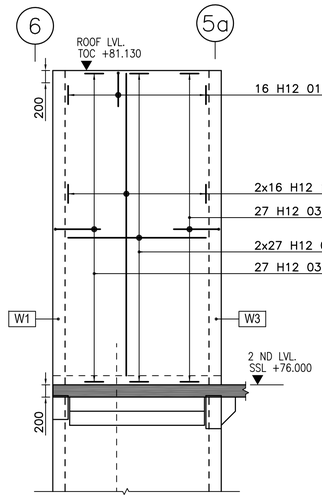
Drawing No.	Drawing Status
Job No.	Scale @A1

Orlginator	Checked	Verified	Issue

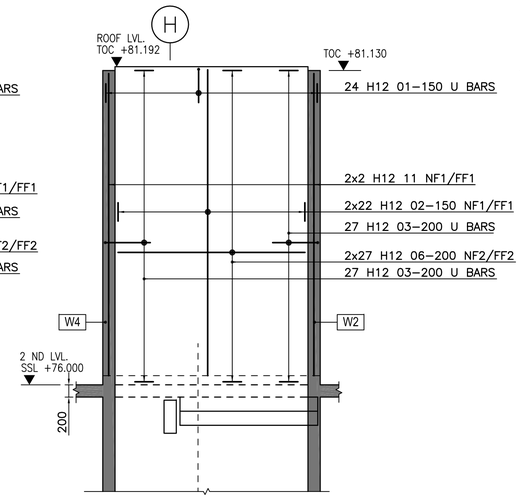


RC DETAILS OF WALL W1
(200 THK.)
[SCALE 1:50]

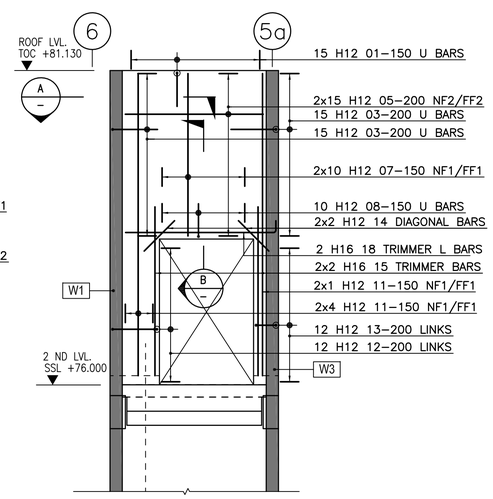
FOR WALL STARTERS REFER DRG. NO. NCLSP-CUN-00--1-DR-S-3616 (TYP)



RC DETAILS OF WALL W2
(200 THK.)
[SCALE 1:50]



RC DETAILS OF WALL W3
(200 THK.)
[SCALE 1:50]



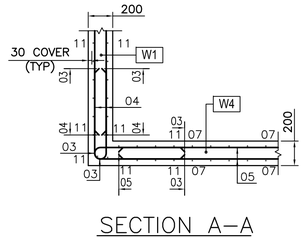
RC DETAILS OF WALL W4
(200 THK.)
[SCALE 1:50]

RC DETAILS OF WALL W5
(200 THK.)
[SCALE 1:50]

RC DETAILS OF WALL W6
(200 THK.)
[SCALE 1:50]

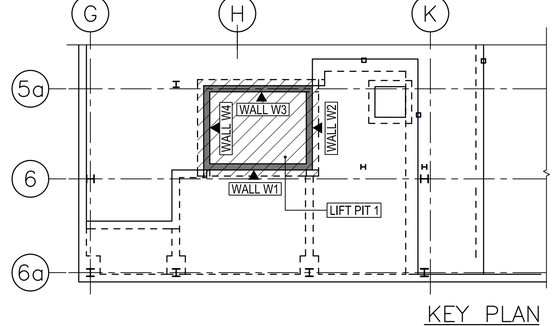
RC DETAILS OF WALL W7
(200 THK.)
[SCALE 1:50]

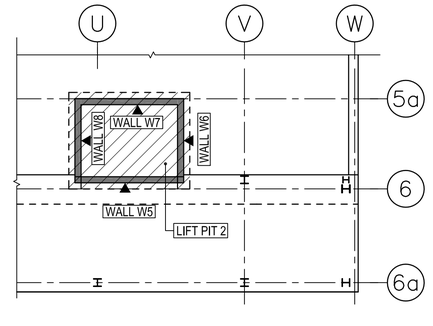
RC DETAILS OF WALL W8
(200 THK.)
[SCALE 1:50]



SECTION A–A
[SCALE 1:25]

SECTION B–B
[SCALE 1:25]





KEY PLAN
[SCALE 1:100]

1012291 A1

Based on Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40.
3. REFER TO SCHEDULE: SC-S-3617 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE

   WALL : ALL SIDES = 30mm
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE AS FOLLOWS :

BAR DIA	LAP LENGTHS		ANCHORAGE LENGTHS	
	GOOD BOND	POOR BOND	GOOD BOND	POOR BOND
8	300	425	200	275
10	400	575	275	400
12	525	750	350	500
16	775	1100	525	725
20	1000	1425	675	950
25	1300	1850	875	1250
32	1650	2350	1100	1575
40	2250	3200	1500	2150

Issue	Date	Description	By	Chkd	Verfd

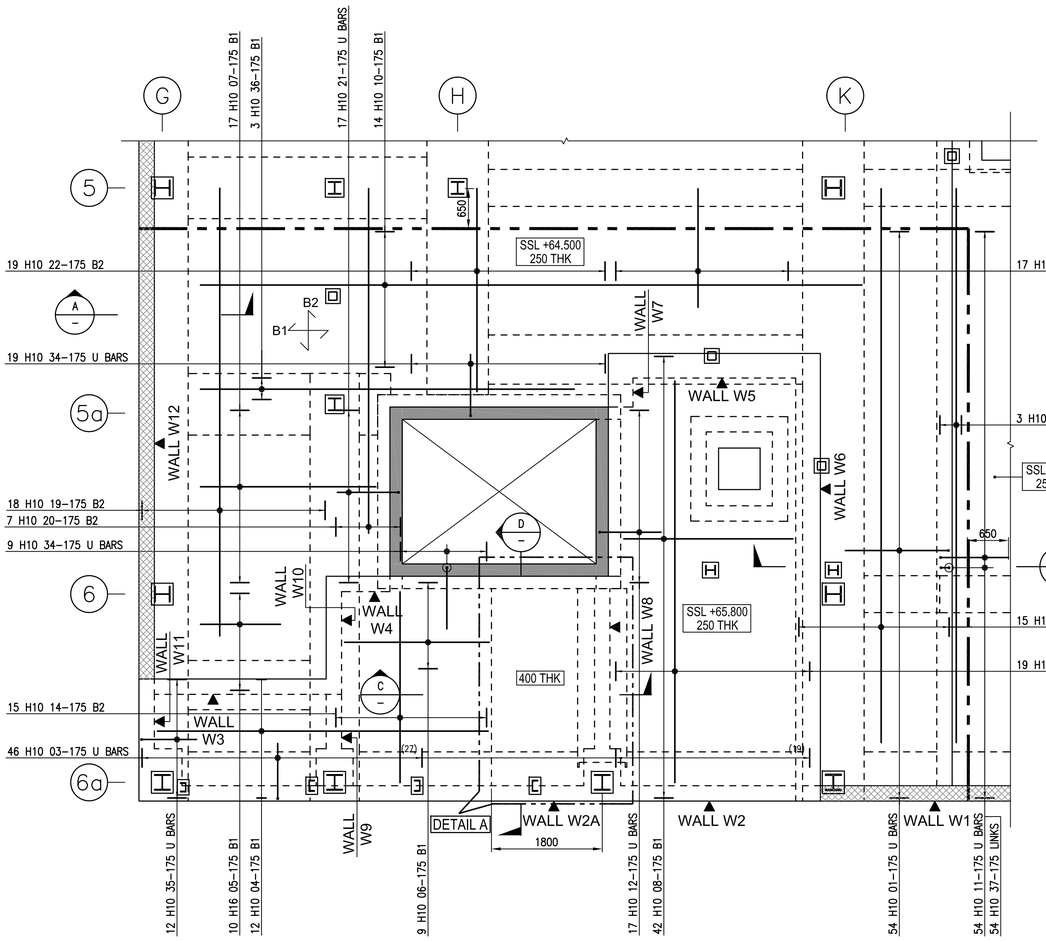
Project

Client

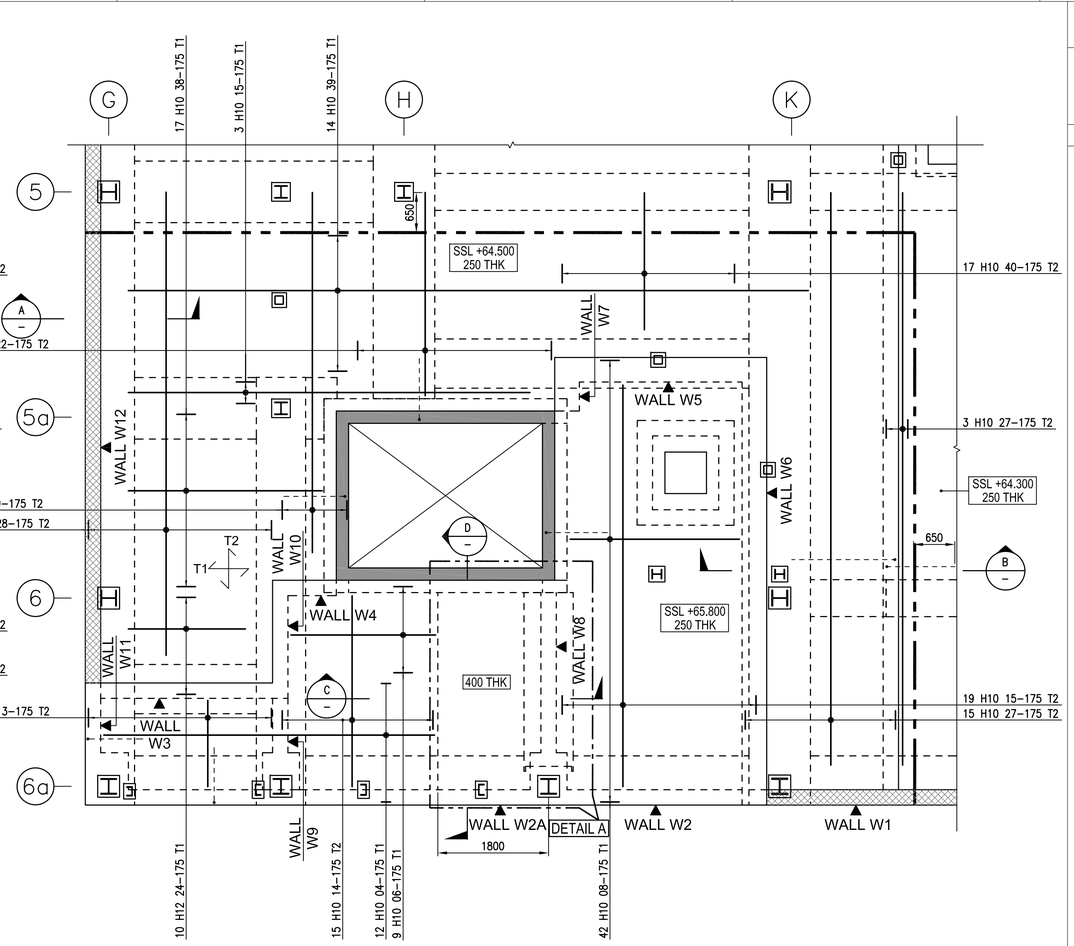
Architect

Title
RC DETAILS OF LIFT PIT 1 AND 2
WALLS W1 TO W8 (SECOND TO ROOF FL. LVL)

Drawing No.		Drawing Status	
Job No.		Scale @A1	
Originator	Checked	Verified	Issue

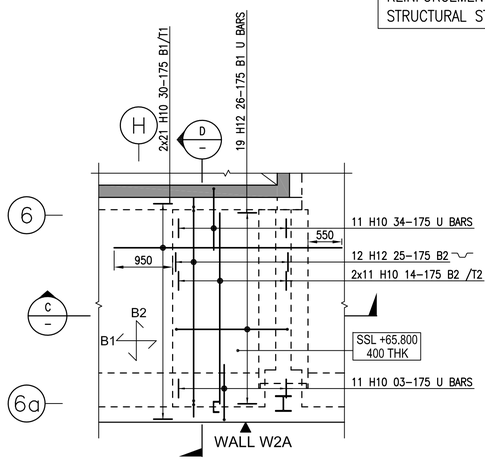


RC DETAILS OF STAIRCASE–2 SLAB
(SHOWING BOTTOM REINF.)
[SCALE 1:50]

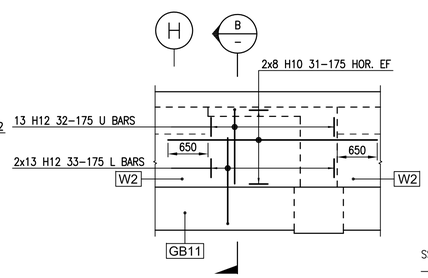


RC DETAILS OF STAIRCASE–2 SLAB
(SHOWING TOP REINF.)
[SCALE 1:50]

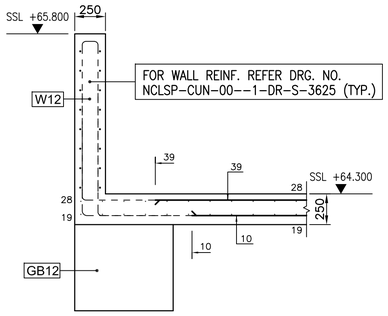
REINFORCEMENT IN SLABS TO BE ADJUSTED LOCALLY ON SITE TO SUIT STRUCTURAL STEEL WORK THAT WILL BE ERECTED BEFORE FLOOR SLAB IS CAST



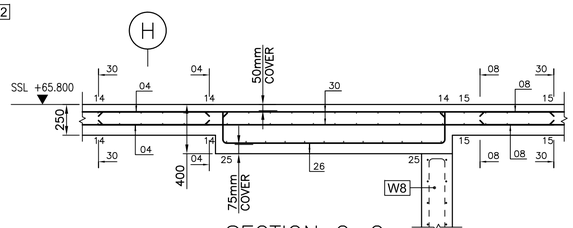
DETAIL A
(SHOWING 400THK SLAB REINF.)
[SCALE 1:50]



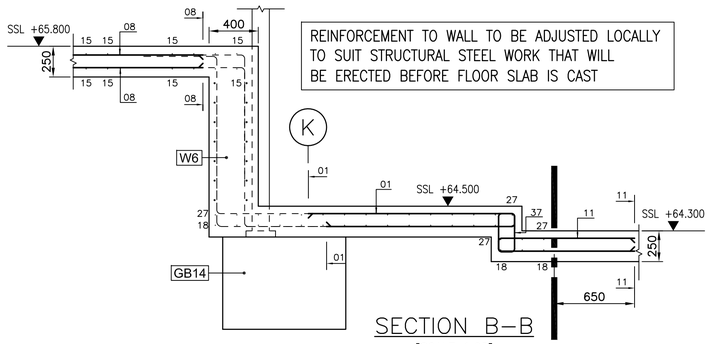
RC DETAILS OF WALL W2A
(250 THK.)
[SCALE 1:50]



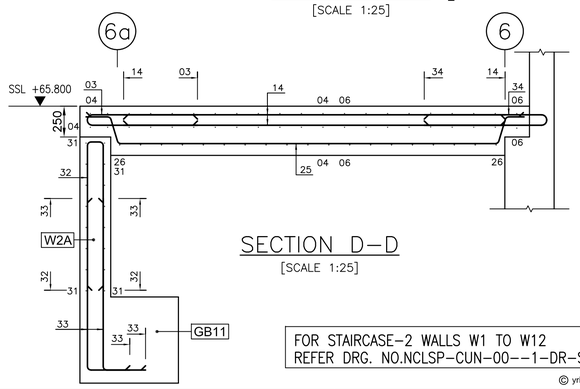
SECTION A–A
[SCALE 1:25]



SECTION C–C
[SCALE 1:25]



SECTION B–B
[SCALE 1:25]



SECTION D–D
[SCALE 1:25]

FOR STAIRCASE–2 WALLS W1 TO W12
REFER DRG. NO.NCLSP–CUN–00––1–DR–S–3625

1012291 A1

Based on Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40.
3. REFER TO SCHEDULE: SC-S-3624 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE

   SLAB : BOTTOM = 75mm, TOP & SIDE = 55mm UNO.
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE 60 X BAR DIA. U.N.O:

H8	480mm
H10	600mm
H12	720mm
H16	960mm
H20	1200mm
H25	1500mm
H32	1920mm
H40	2400mm

7. REFER TO SEPARATE DRAWING FOR REINFORCEMENT DETAILS TO MANHOLES.

Issue	Date	Description	By	Chkd	Verfd

Project

Client

Architect

Title

RC DETAIL OF STAIRCASE-2 SLAB

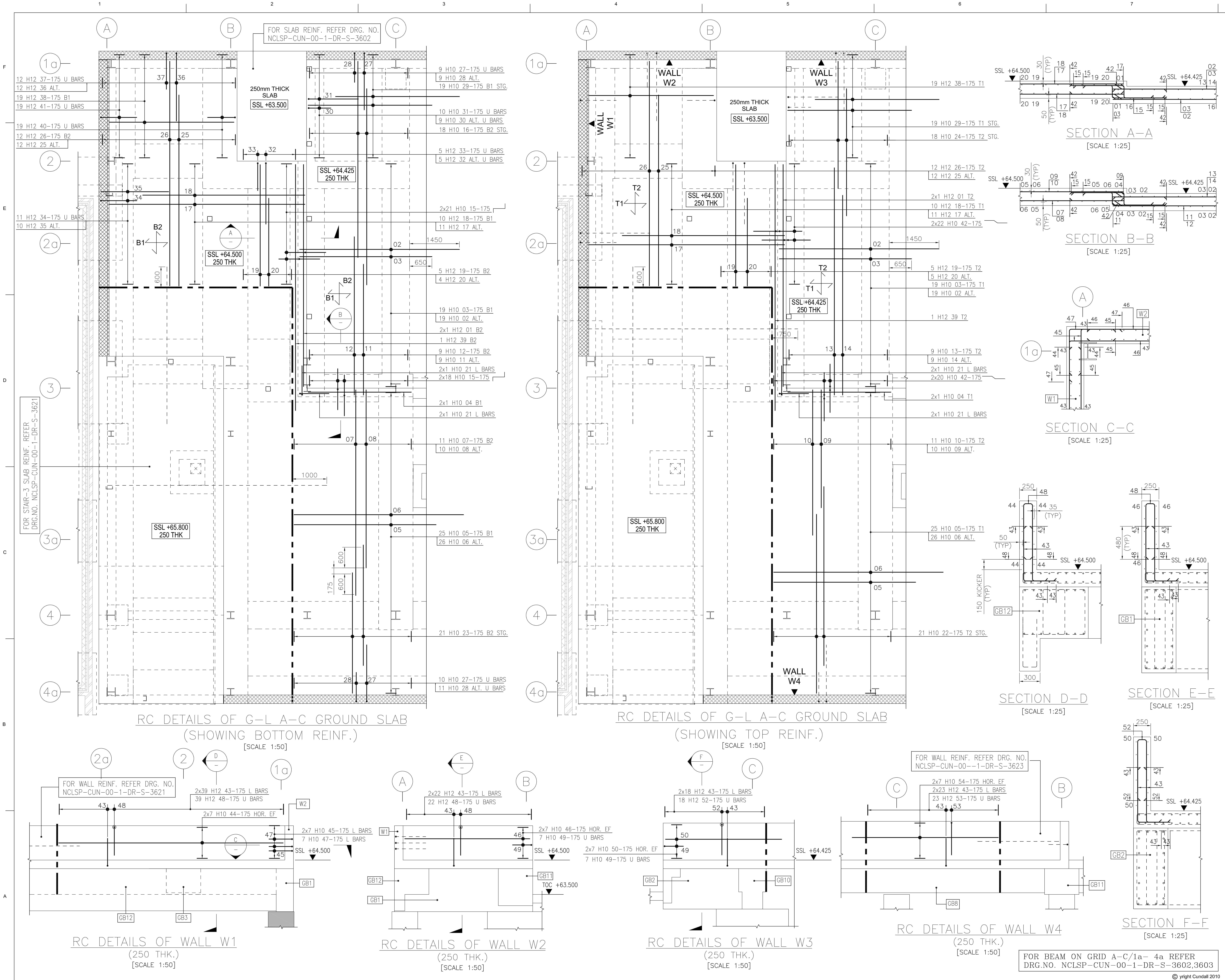
Drawing No.	Drawing Status
Job No.	Scale @A1

Originator	Checked	Verified	Issue

Plotted:

File Path:

Type scale at 1:1



1012291 A1

Based on Architects Drg No. Rev
Structural Drg No. Rev
Survey Drg No. Rev
Other Drg No. Rev
Other Drg No. Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ALL ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO BE GRADE C32/40 WATER TIGHT CONCRETE.
3. REFER TO SCHEDULE: SC-S-3627 FOR BAR BENDING SCHEDULE.
4. COVER TO REINFORCEMENT TO BE

   SLAB : BOTTOM = 50, TOP= 30 & SIDES = 35mm. U.N.O
   WALL : EXTERNAL FACE-50, INTERNAL FACE-30
5. ABBREVIATIONS:

B :-	BOTTOM
B1 :-	BOTTOM FIRST LAYER
B2 :-	BOTTOM SECOND LAYER
T :-	TOP
T1 :-	TOP FIRST LAYER
T2 :-	TOP SECOND LAYER
NF :-	NEAR FACE
FF:-	FAR FACE
EF :-	EACH FACE
AP :-	ALTERNATELY PLACED
ABR :-	ALTERNATE BARS REVERSED
STGD :-	STAGGERED
DWLS :-	DOWEL BARS
SF :-	SIDE FACE
TYP :-	TYPICAL
TOC :-	TOP OF CONCRETE
TOF :-	TOP OF FOOTING
DP :-	DEPTH

6. MINIMUM LAPS / ANCHORAGE TO REINFORCEMENT TO BE 40 X BAR DIA IN WALLS. U.N.O:

H8	480mm
H10	600mm
H12	720mm
H16	960mm
H20	1200mm
H25	1500mm
H32	1920mm
H40	2400mm

7. MOVE BARS LOCAL TO STEEL STANCHION LOCATION.
8. CUT OUT REINFORCEMENT LOCALLY AROUND MANHOLES.

Issue	Date	Description	By	Chkd	Verfd

Project

Client

Architect

Title
RC DETAIL OF G-L A-C GROUND SLAB

Drawing No. | Drawing Status
Job No. | Scale @A1
Originator | Checked | Verified | Issue