

**ABBREVIATIONS:**

- SSL - STRUCTURAL SLAB LEVEL
- T - TOP
- T1 - TOP FIRST LAYER
- T2 - TOP SECOND LAYER
- T3 - TOP THIRD LAYER
- B - BOTTOM
- B1 - BOTTOM FIRST LAYER
- B2 - BOTTOM SECOND LAYER
- B3 - BOTTOM THIRD LAYER
- B4 - BOTTOM FOURTH LAYER
- H - HORIZONTAL BAR
- TYP - TYPICAL
- SF - SIDE FACE BAR
- SP - SPACER BAR
- THK - THICKNESS
- CJ - CONSTRUCTION JOINT

**SHOP DRAWING REFERENCE**

- FOR PLUMBING PIT REINFORCEMENT DETAILS REFER DRAWING NO GAD-STJV-RFN-RFT-Z03-DWG-015478 TO 015479
- FOR PILE CAP REINFORCEMENT DETAILS REFER DRAWING NO GAD-STJV-RFN-RFT-Z03-DWG-015480 TO 015489
- FOR WALL STARTER REINFORCEMENT DETAILS REFER DRAWING NO GAD-STJV-RFN-RFT-Z03-DWG-015531 TO 015540
- FOR WALL COLUMN REINFORCEMENT DETAILS REFER DRAWING NO GAD-STJV-RFN-RFT-Z03-DWG-015516 TO 015519
- FOR TYPICAL PILE RECTIFICATION LAYOUT PLAN DETAILS REFER DRAWING NO GAD-STJV-RFN-RFT-Z03-DWG-015451

**IFC DRAWING REFERENCE**

- S0-020-STRUCTURAL TYPICAL CONCRETE DETAILS DT-06-16-21
- S0-021-STRUCTURAL TYPICAL CONCRETE DETAILS DT-06-16-21
- S0-023-P-STRUCTURAL TYPICAL MAT SECTIONS AND PILE DETAILS DT-11-30-20
- S2-080C-STRUCTURAL OVERALL MAT SLAB PLAN-DT-06-16-21
- S2-080A-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
- S2-080B1-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
- S2-080B2-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
- S4-117-P-PILE SCHEDULE (EXISTING PILES) DT-11-30-20
- A0-001-PILE SETTINGS OUT PLAN
- S4-162-STRUCTURAL FOUNDATION DETAILS-DT-06-16-21
- S4-151-STRUCTURAL INTERNAL PILE CAP REINFORCEMENT PLAN-DT-06-16-21
- S4-150-P-STRUCTURAL PILE CAP SCHEDULE AND DETAILS-06-16-21
- S4-155-P-STRUCTURAL PILE CAP DETAILS AND SECTION-06-16-21

**GENERAL NOTES:**

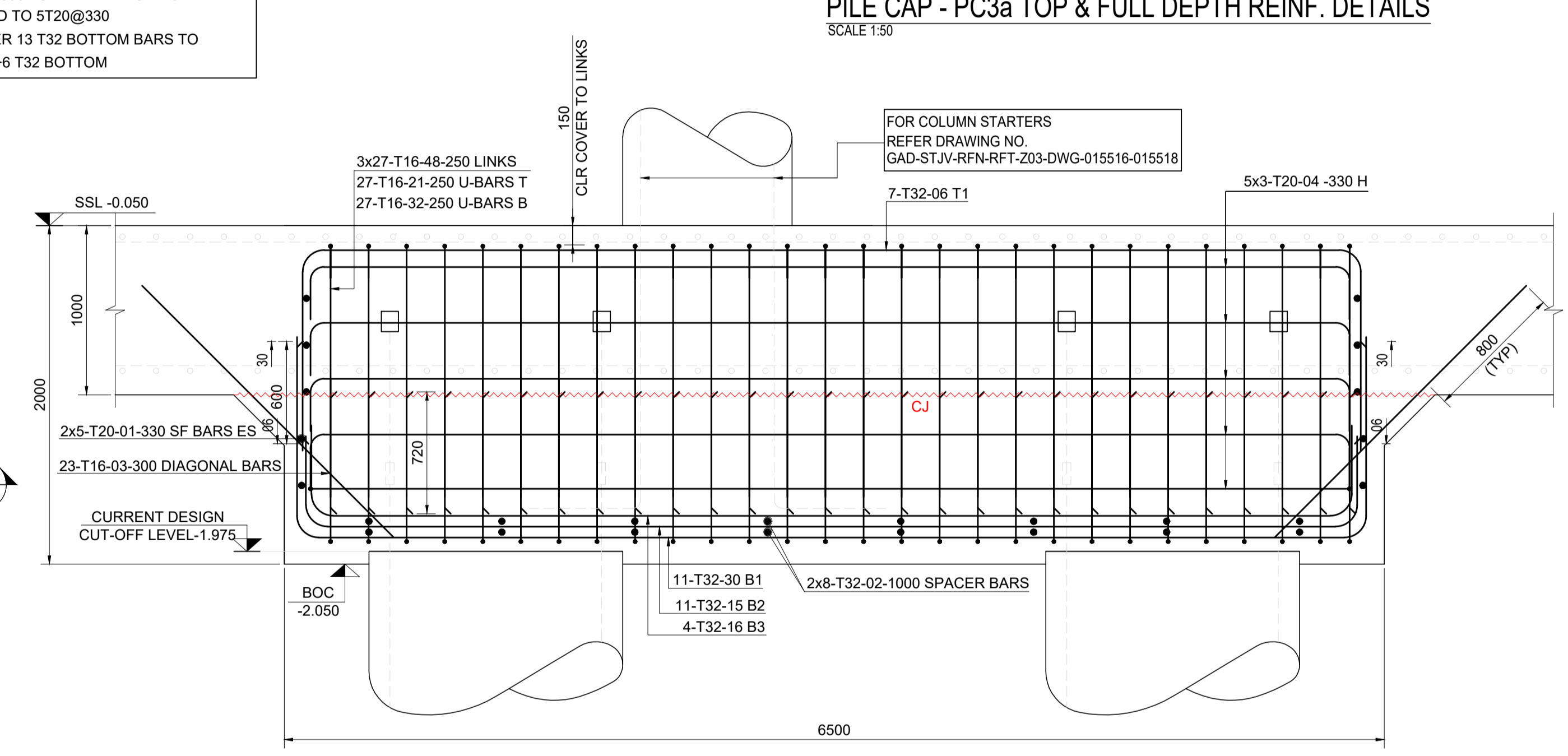
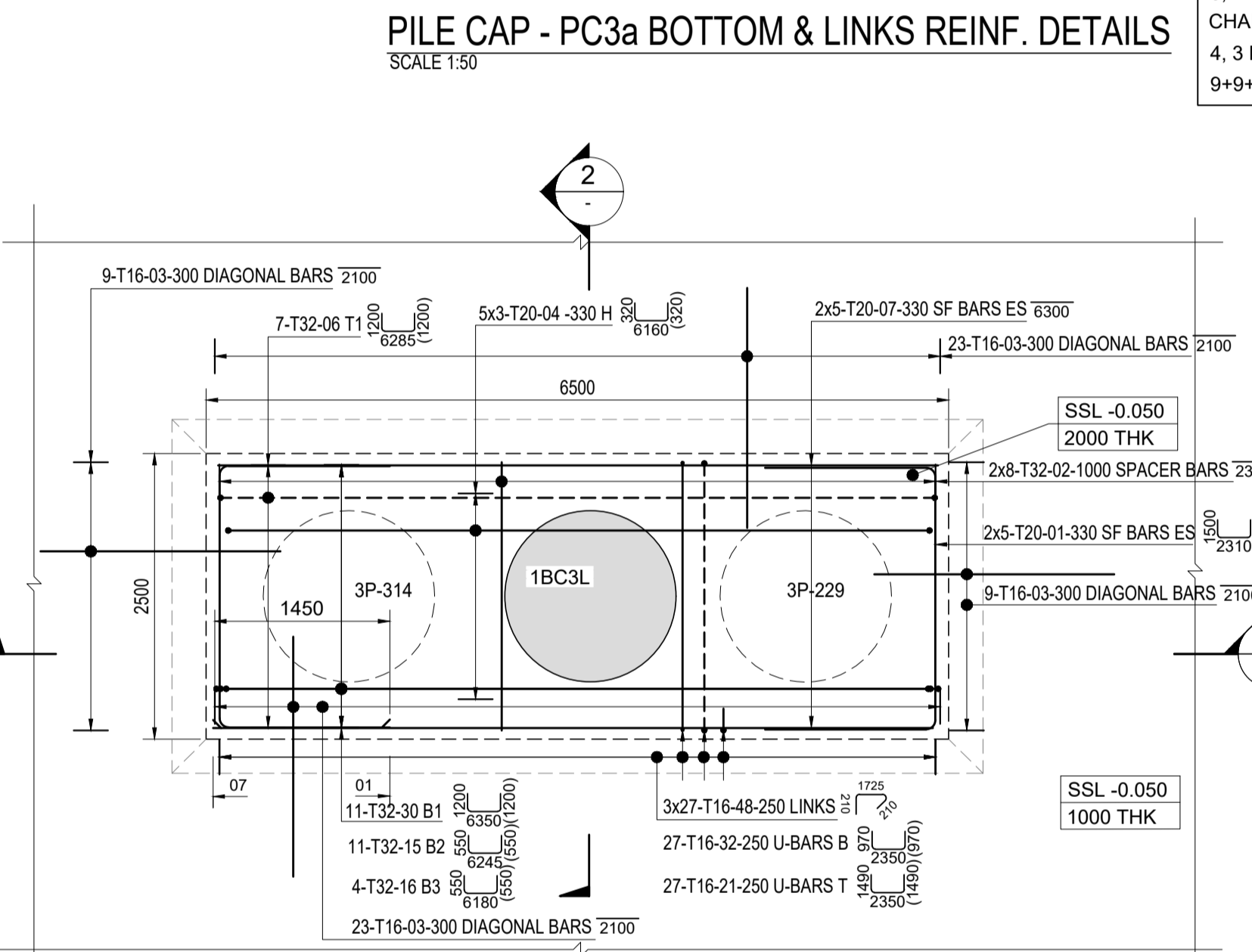
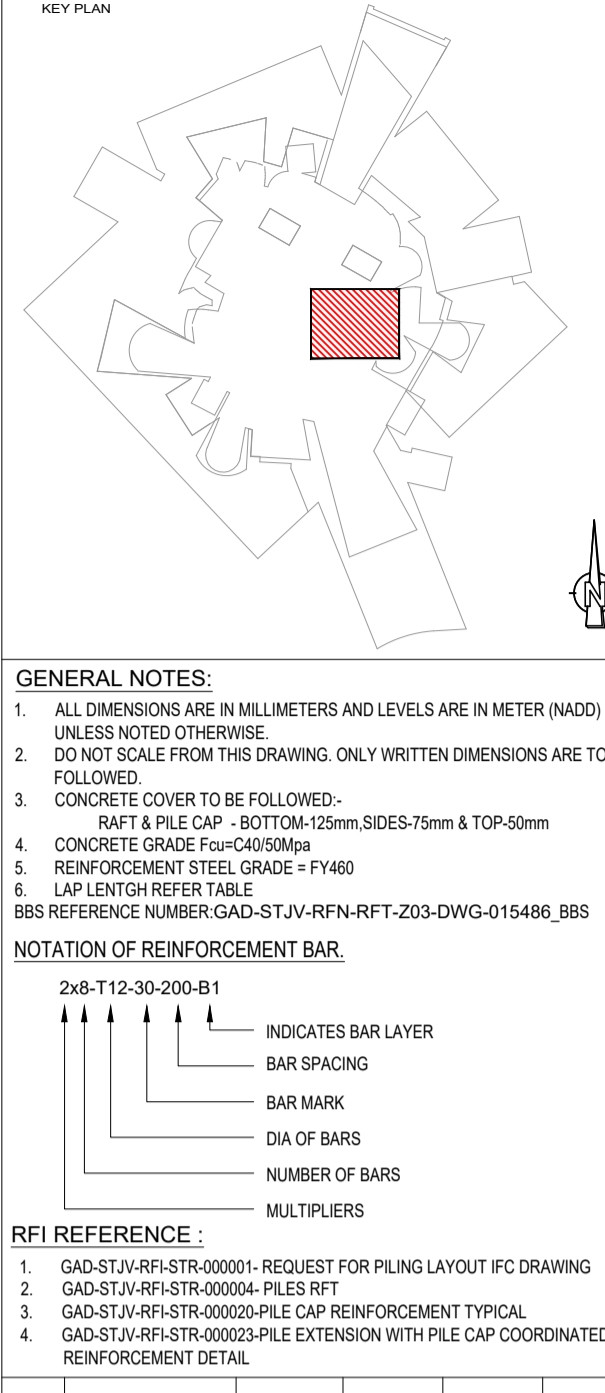
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER (MADD) UNLESS NOTED OTHERWISE
- DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- CONCRETE COVER TO BE FOLLOWED:-  
PART A & PILE CAP - BOTTOM-125mm SIDES-75mm & TOP-50mm
- REINFORCEMENT STEEL GRADE = Fy40
- LAP LENGTH REFER TABLE
- BBS REFERENCE NUMBER: GAD-STJV-RFN-RFT-Z03-DWG-015486\_BBS

**NOTATION OF REINFORCEMENT BAR**

2x6-T12-30-200-B1  
INDICATES BAR LAYER  
BAR SPACING  
BAR MARK  
DIA OF BARS  
NUMBER OF BARS  
MULTIPLIERS

**RFI REFERENCE:**

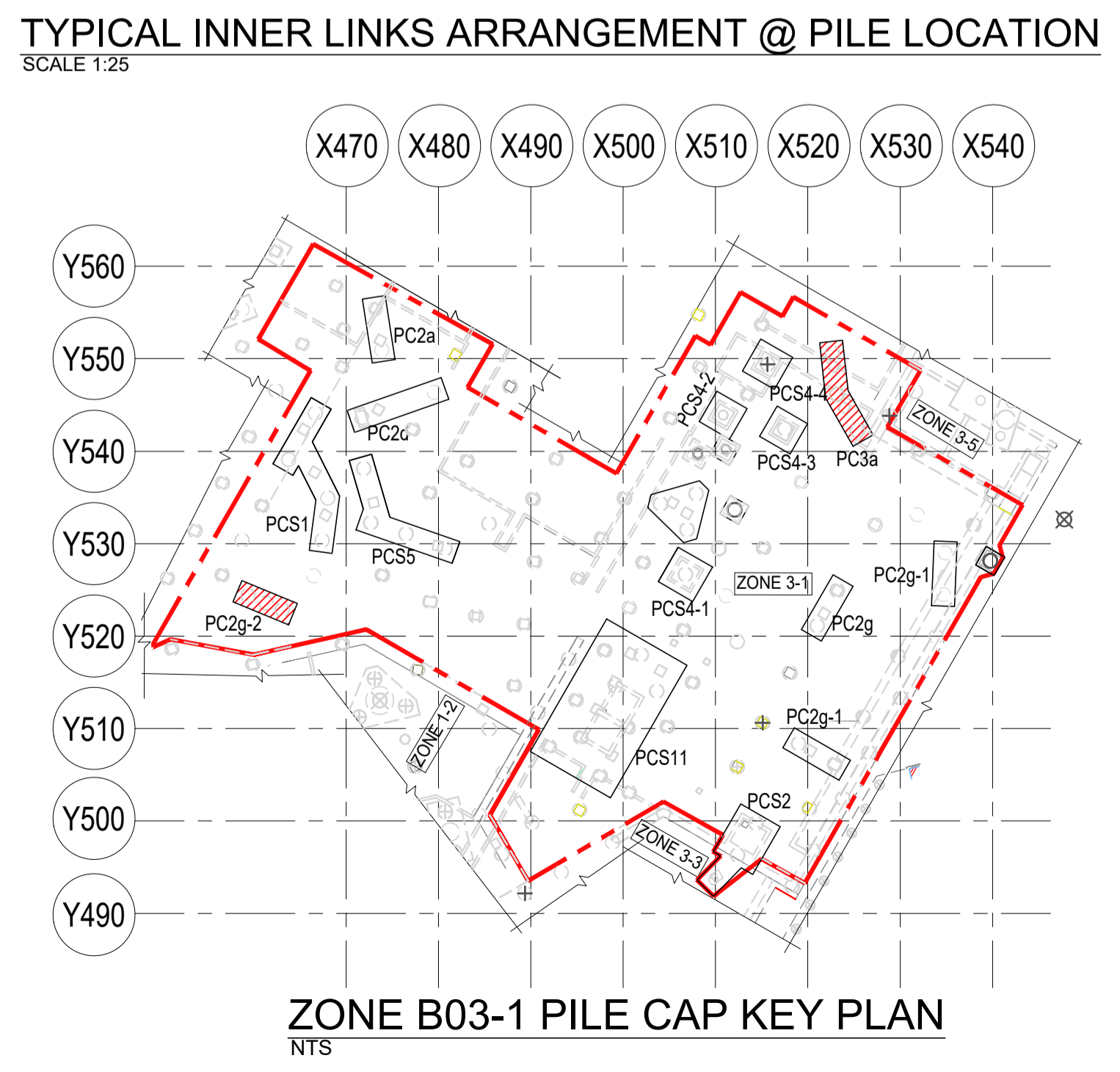
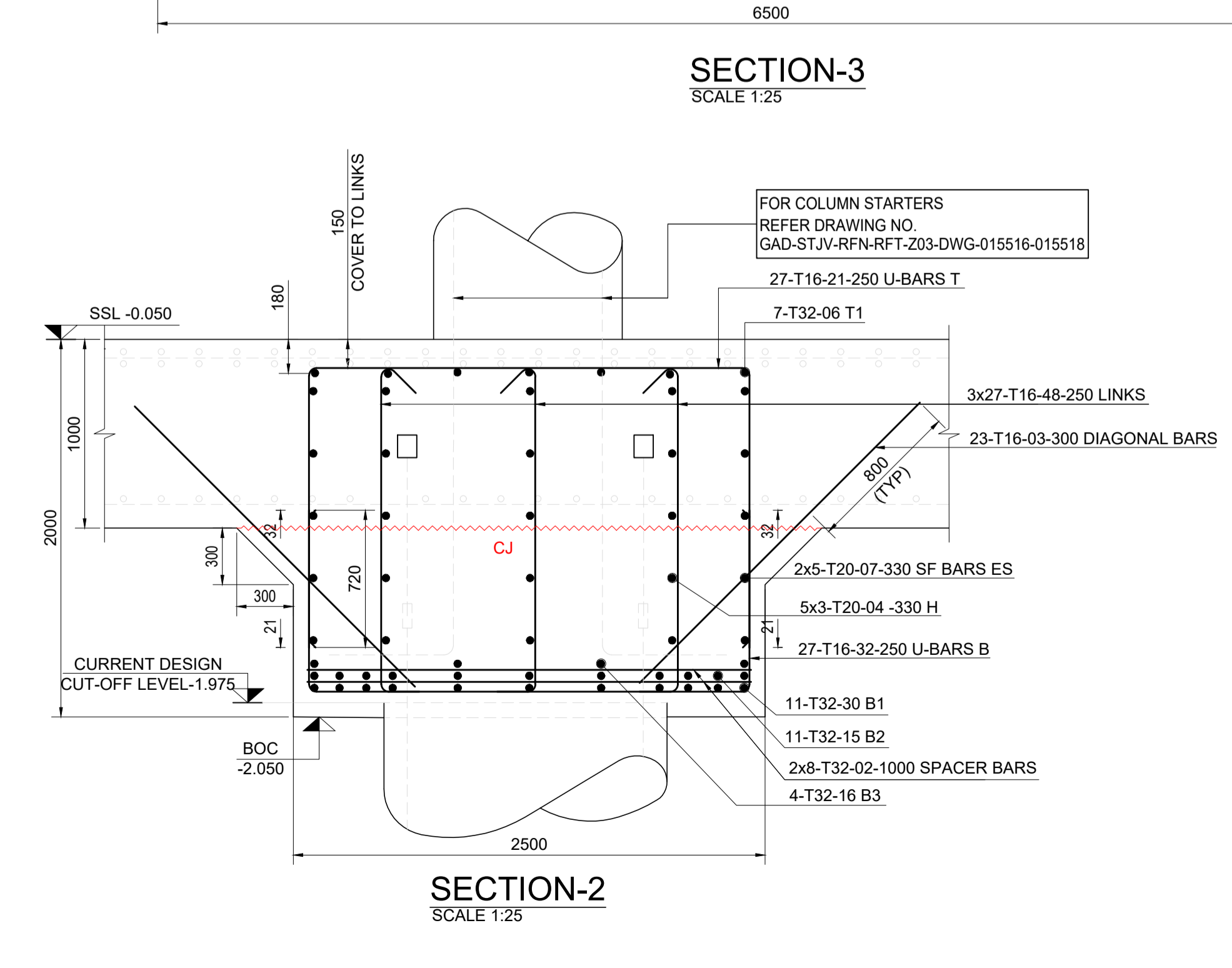
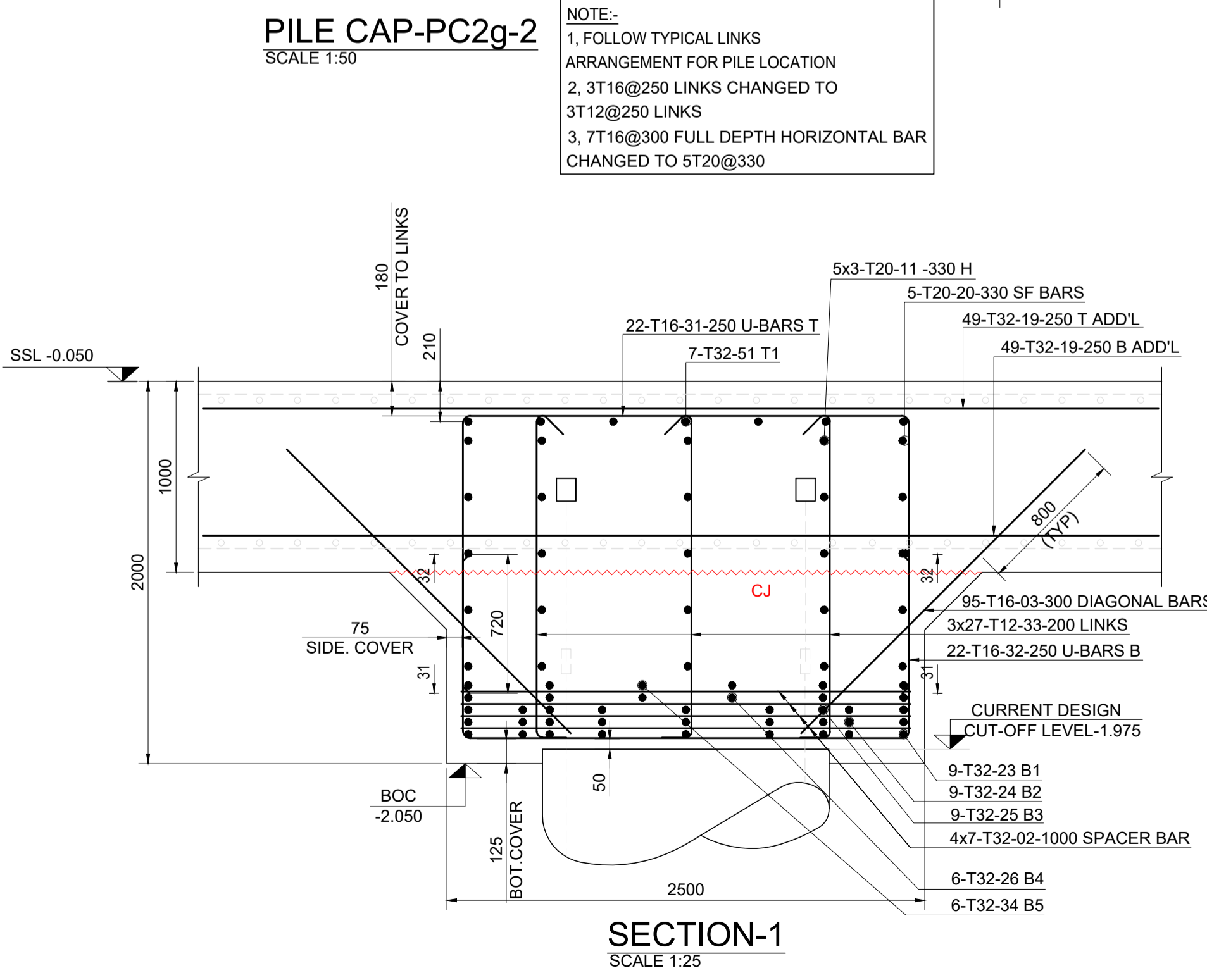
- GAD-STJV-RFI-STR-00001-REQUEST FOR PILING LAYOUT IFC DRAWING
- GAD-STJV-RFI-STR-00004-PILES RFT
- GAD-STJV-RFI-STR-00002-PILE CAP REINFORCEMENT TYPICAL
- GAD-STJV-RFI-STR-00003-PILE EXTENSION WITH PILE CAP COORDINATED REINFORCEMENT DETAIL



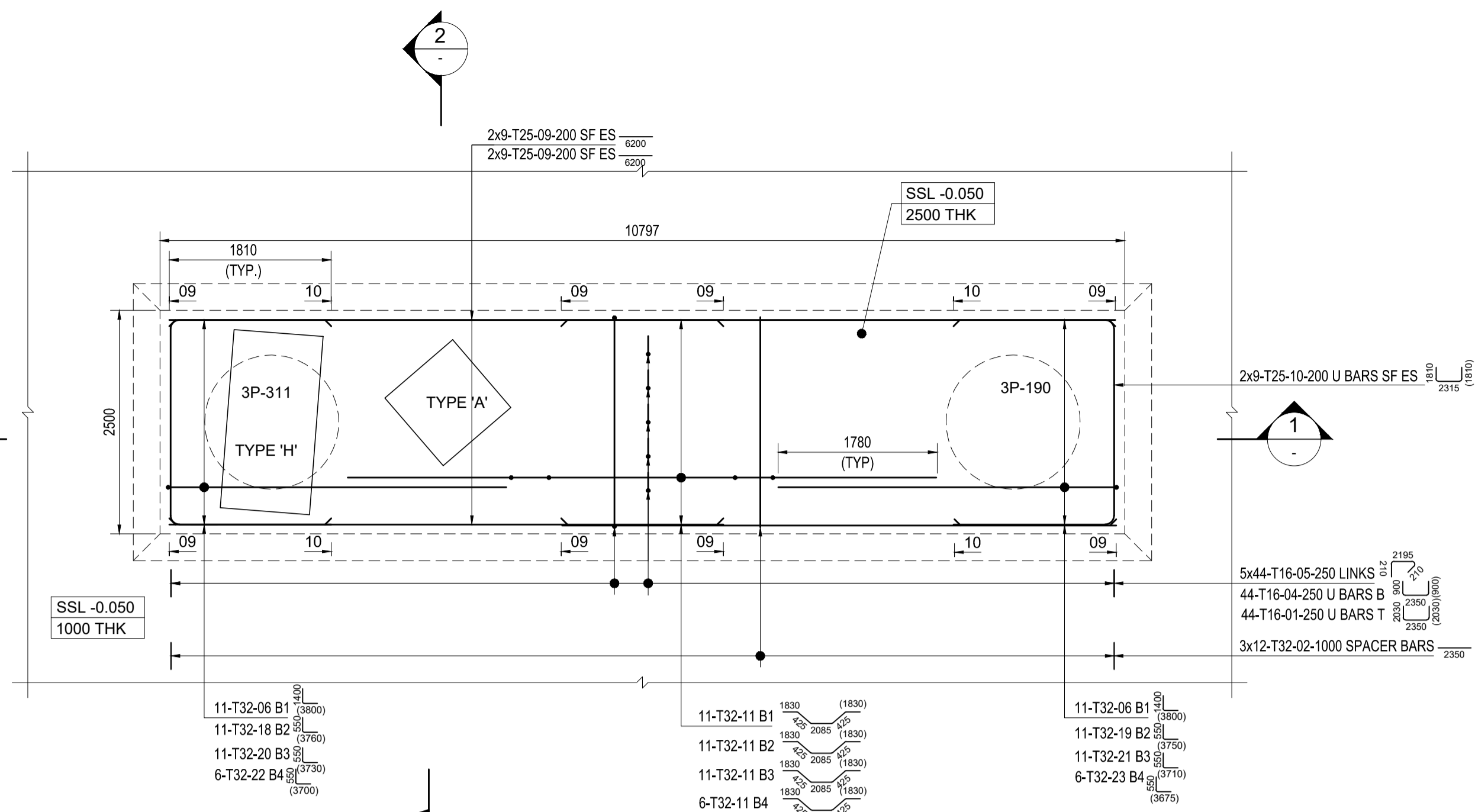
**LAP TABLE FOR CONCRETE GRADE f<sub>c</sub>=40 MPa**

BAR SIZE	REBAR LAPPING LENGTH LAP SPLICE LTB (mm)		DEVELOPMENT LENGTH OF REBAR Ld (mm)		90° STANDARD HOOK VALUE
	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	
10	590	450	450	350	160
12	710	540	540	420	200
16	940	720	720	560	260
20	1450	1120	1120	860	320
25	1810	1390	1390	1070	400
32	2320	1780	1780	1370	550

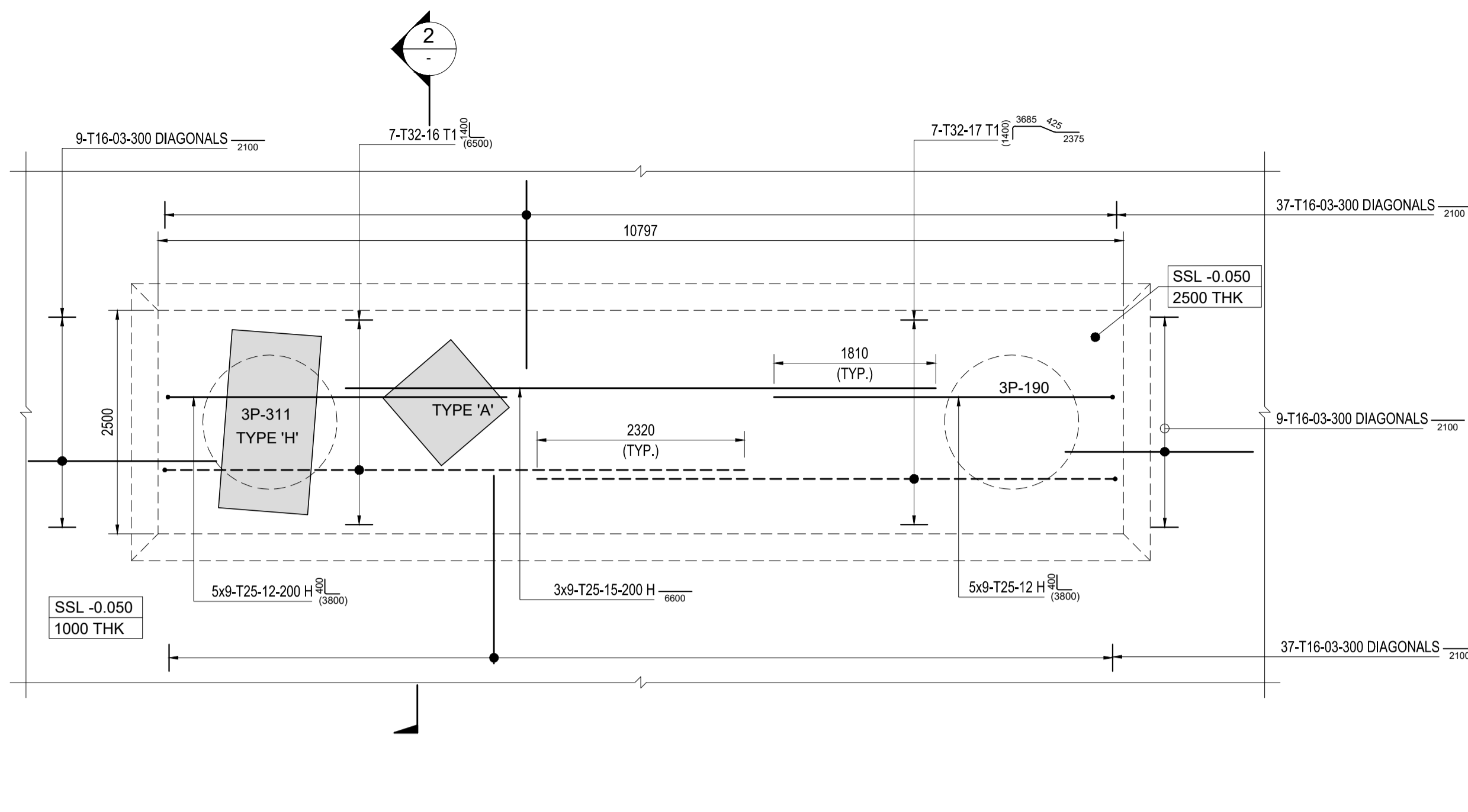
**NOTE:-**  
INNER LINKS AT PILES TO BE RELOCATED OUTSIDE PILES TO AVOID CONGESTION AS PER GAD-STJV-RFI-STR-000023 RESPONSE



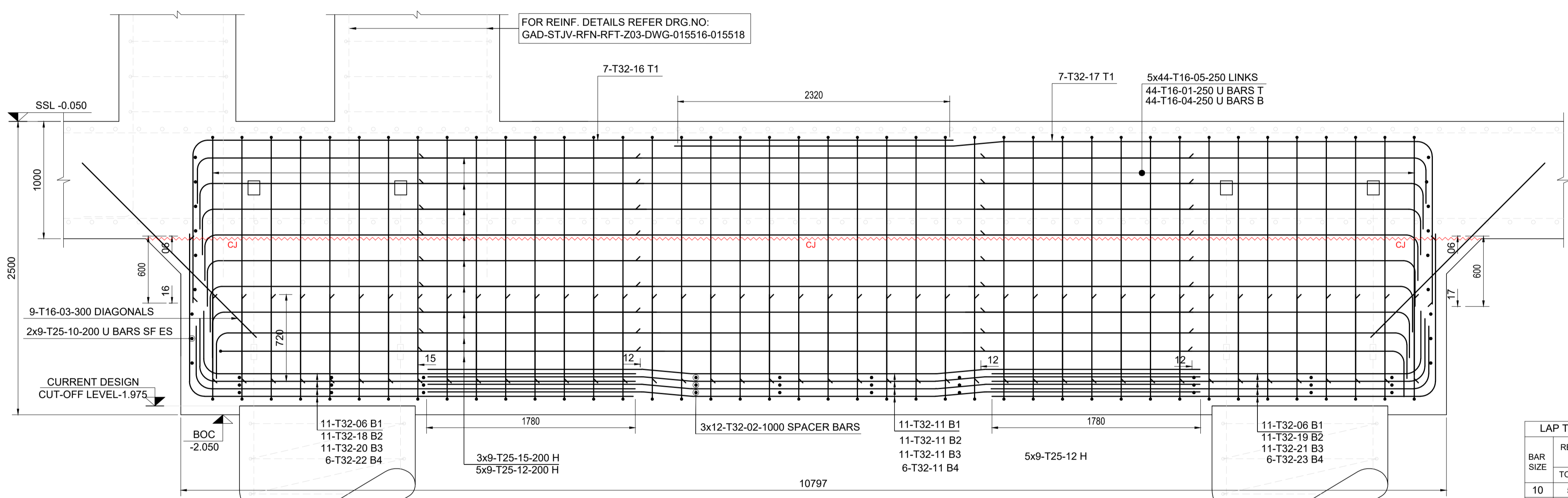




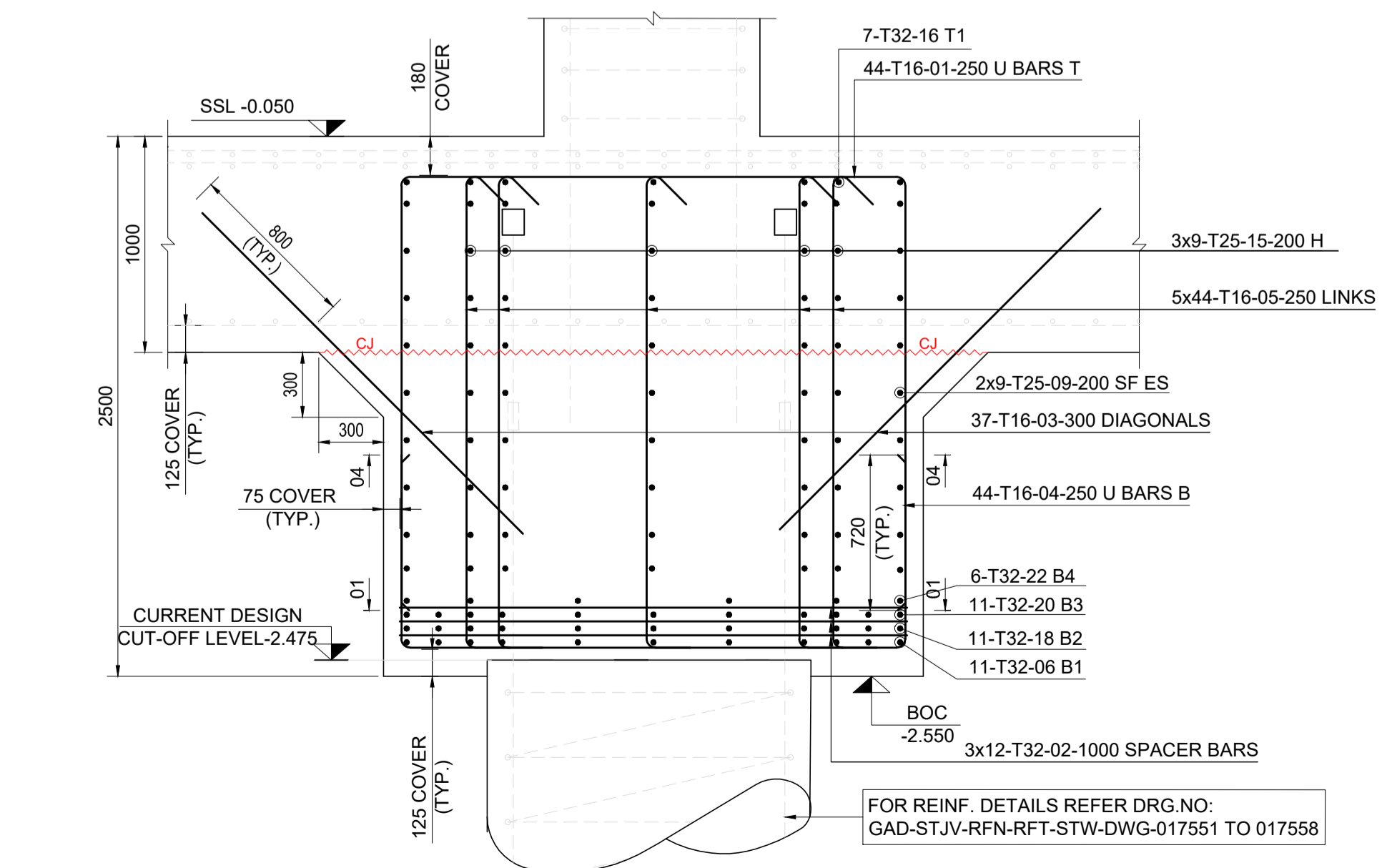
**PILE CAP-PC2d BOTTOM REINFORCEMENT DETAILS**  
SCALE 1:50



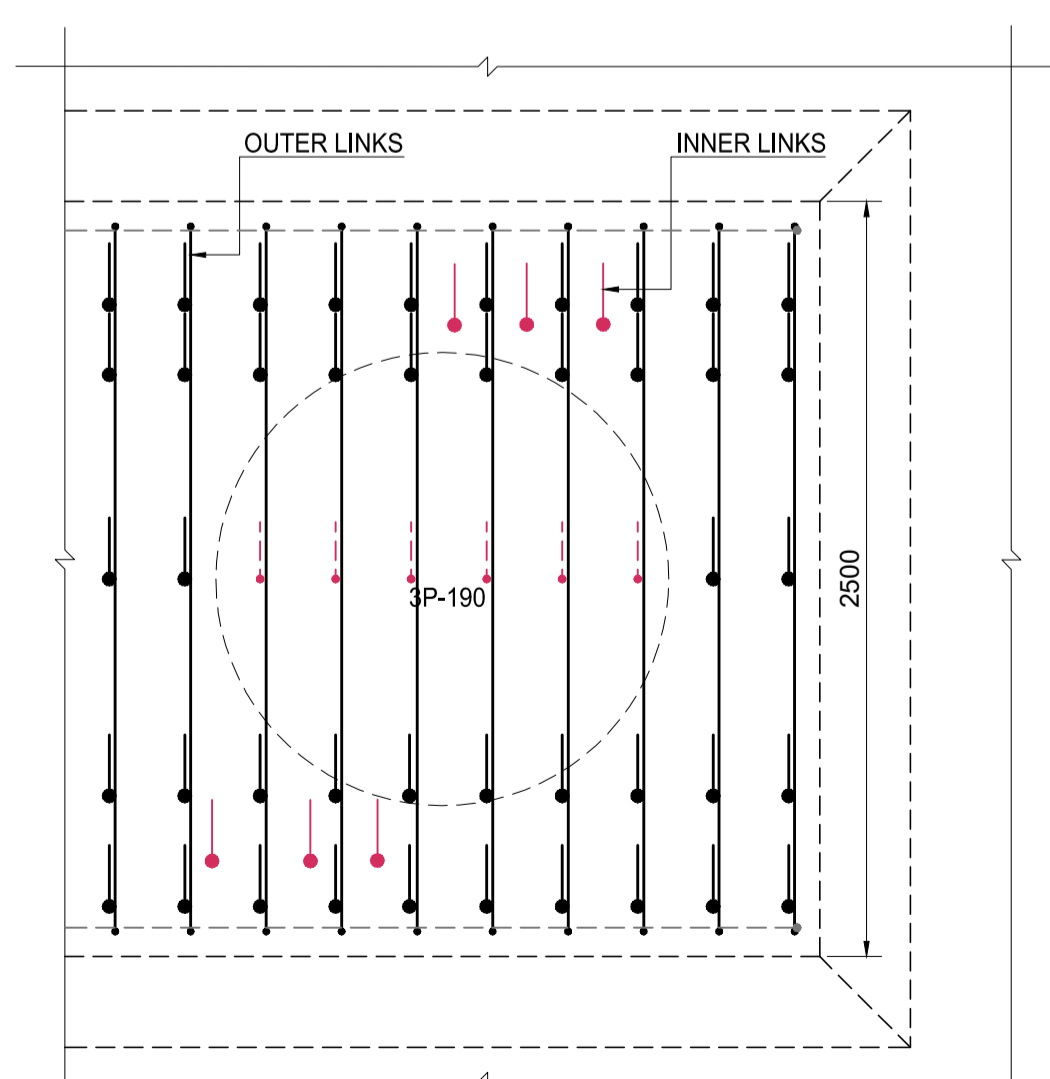
**PILE CAP-PC2d TOP & HORIZONTAL REINFORCEMENT DETAILS**  
SCALE 1:50



**SECTION-1**  
SCALE 1:25



**SECTION-2**  
SCALE 1:25



**TYPICAL INNER LINKS ARRANGEMENT @ PILE LOCATION**  
SCALE 1:25

NOTE:-  
INNER LINKS AT PILES TO BE RELOCATED OUTSIDE PILES TO AVOID CONGESTION AS PER GAD-STJV-RFI-STR-000023 RESPONSE

**SHOP DRAWING REFERENCE**

- 1.FOR PLUMBING PIT REINFORCEMENT DETAILS REFER DRAWING NO.GAD-STJV-RFN-RFT-Z03-DWG-015479
- 2.FOR PILE CAP REINFORCEMENT DETAILS REFER DRAWING NO.GAD-STJV-RFN-RFT-Z03-DWG-015480 TO 015489
- 3.FOR WALL STARTER REINFORCEMENT DETAILS REFER DRAWING NO.GAD-STJV-RFN-RFT-Z03-DWG-015531 TO 015538
- 4.FOR WALL COLUMN REINFORCEMENT DETAILS REFER DRAWING NO.GAD-STJV-RFN-RFT-Z03-DWG-015516 TO 015518
- 5.FOR TYPICAL PILE RECTIFICATION LAYOUT PLAN DETAILS REFER DRAWING NO.GAD-STJV-RFN-RFT-Z03-DWG-015451

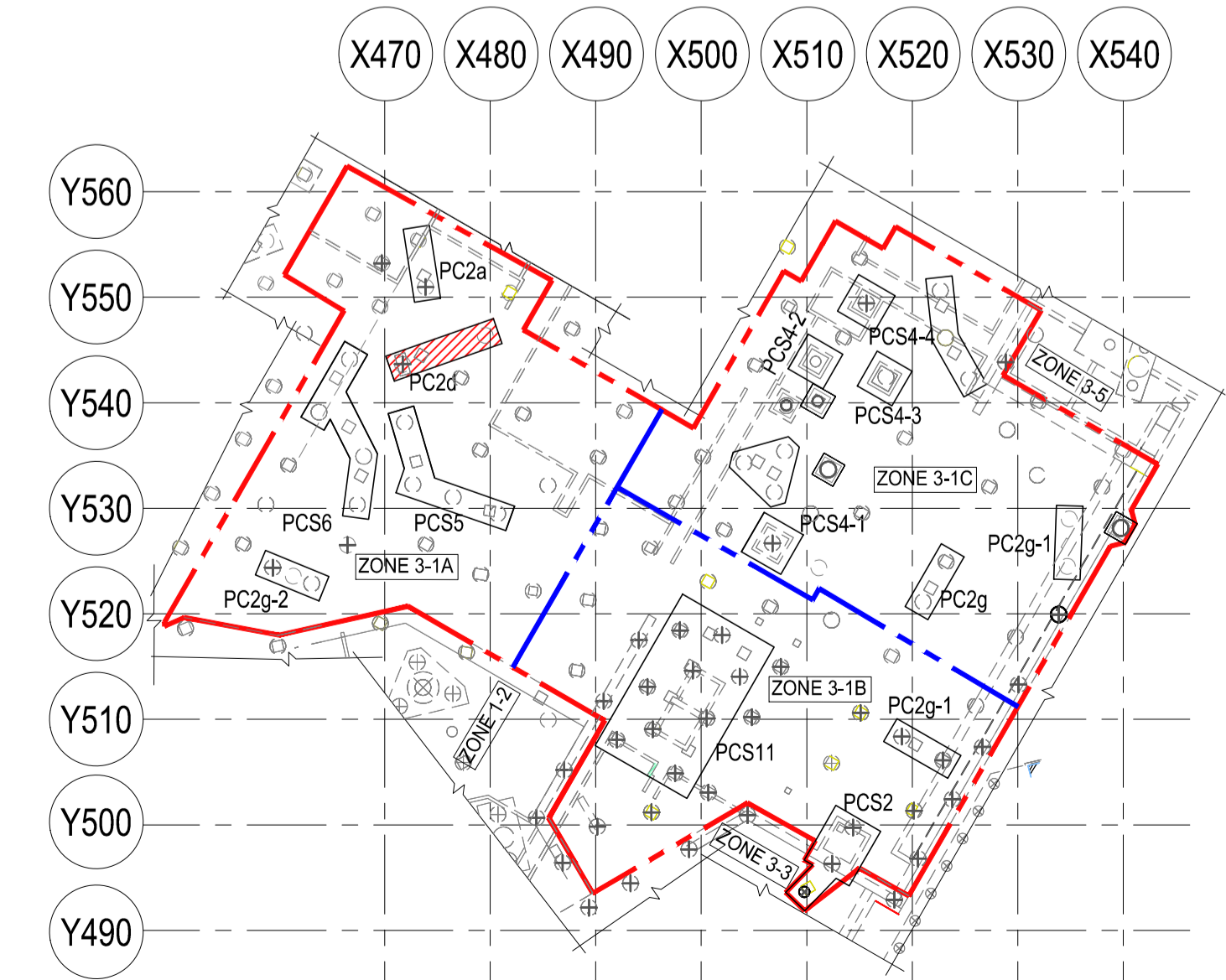
**IFC DRAWING REFERENCE**

1. S0-020-STRUCTURAL TYPICAL CONCRETE DETAILS DT-06-16-21
2. S0-021-STRUCTURAL TYPICAL CONCRETE DETAILS DT-06-16-21
3. S0-023-STRUCTURAL TYPICAL MAT SECTIONS AND PILE DETAILS DT-11-30-2
4. S2-080C-STRUCTURAL OVERALL MAT SLAB PLAN DT-06-16-21
5. S2-580A-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
6. S2-580AR1-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
7. S2-580AR-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
8. S4-117-P-PILE SCHEDULE (EXISTING PILES) DT-11-30-20
9. A0-001-PILE SETTING OUT PLAN
10. S4-162-STRUCTURAL FOUNDATION DETAILS DT-06-16-21
11. S4-151-STRUCTURAL INTERNAL PILE CAP REINFORCING PLAN DT-06-16-21
12. S4-150-P-STRUCTURAL PILE CAP SCHEDULE AND DETAILS DT-06-16-21
13. S4-155-P-STRUCTURAL PILE CAP DETAILS AND SECTION DT-06-16-21

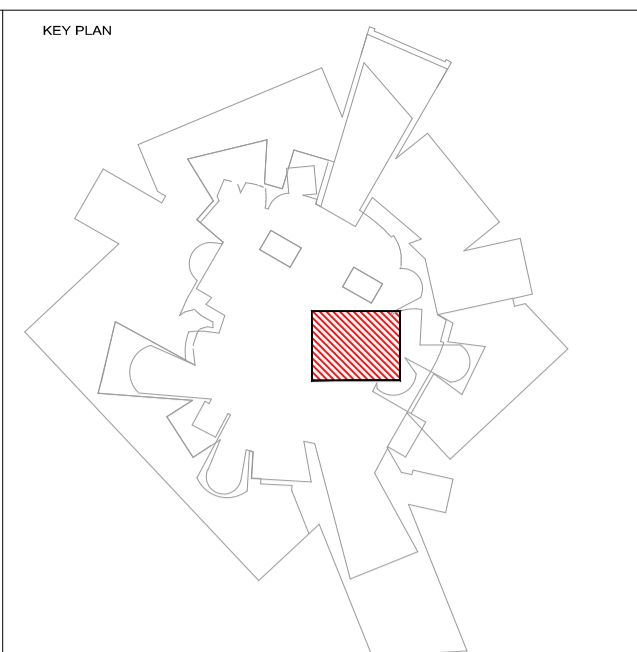
**ABBREVIATIONS:**

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- T - TOP
- T1 - TOP FIRST LAYER
- T2 - TOP SECOND LAYER
- B - BOTTOM
- B1 - BOTTOM FIRST LAYER
- B2 - BOTTOM SECOND LAYER
- HB - HOLDING BAR
- ABR - ALTERNATE BAR REVERSED
- TYP. - TYPICAL
- STG. - STAGGERED
- SB - SPACER BAR
- ES - EACH SIDE
- THK - THICKNESS
- ALT. - ALTERNATE
- CJ - CONSTRICTION JOINT

BAR SIZE	REBAR LAPPING LENGTH LAP SPLICE LTB (mm)		DEVELOPMENT LENGTH OF REBAR Ld (mm)		90° STANDARD HOOK VALUE
	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	
10	590	450	450	350	160
12	710	540	540	420	200
16	940	720	720	560	260
20	1450	1120	1120	860	320
25	1810	1390	1390	1070	400
32	2320	1780	1780	1370	550



**ZONE 3-1 KEYPLAN**  
NTS



**GENERAL NOTES:**

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2. DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. CONCRETE COVER TO BE FOLLOWED:-  
RAFT & PILE CAP - BOTTOM: 25mm SIDES: 75mm & TOP: 50mm
4. CONCRETE GRADE: F<sub>ck</sub>=40MPa
5. REINFORCEMENT STEEL GRADE = F<sub>y</sub>460
6. LAP LENGTH REFER TABLE
7. BBS REFERENCE NUMBER: GAD-STJV-RFN-RFT-Z03-DWG-015496\_BBS

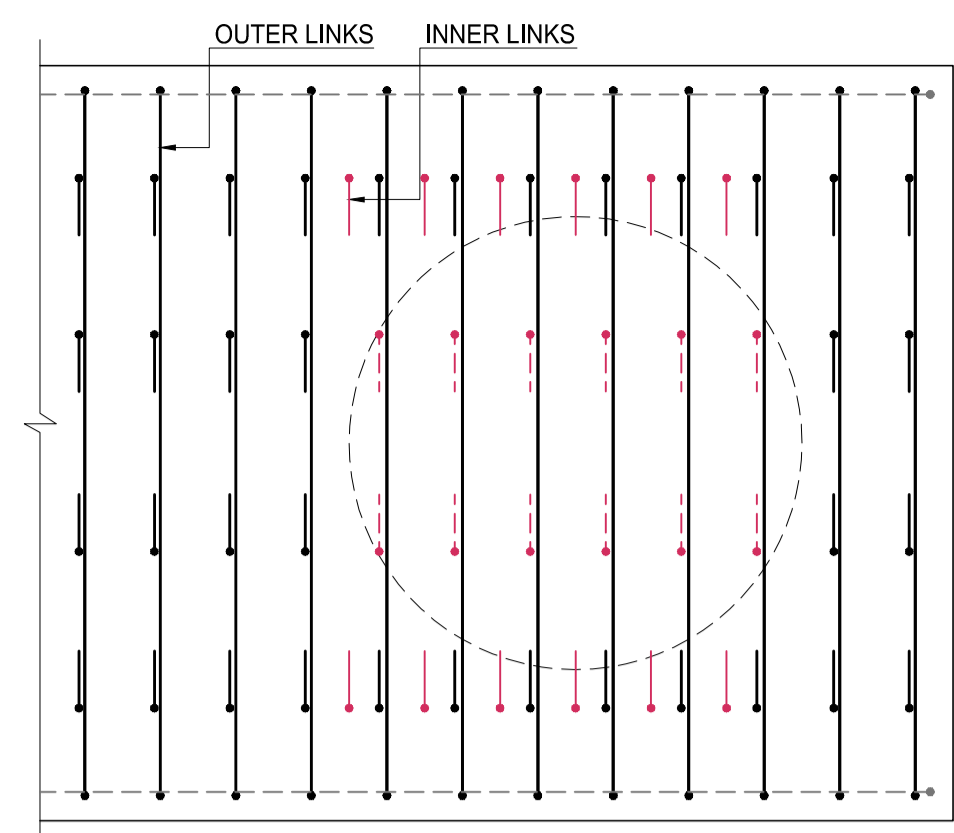
**NOTATION OF REINFORCEMENT BAR**

**RFI REFERENCE:**

1. GAD-STJV-RFN-RFT-00001-REQUEST FOR PILING LAYOUT IFC DRAWING
2. GAD-STJV-RFN-RFT-00004-PILES RFT
3. GAD-STJV-RFN-RFT-00002-PILE CAP REINFORCEMENT TYPICAL
4. GAD-STJV-RFN-RFT-00023-PILE EXTENSION WITH PILE CAP COORDINATED REINFORCEMENT DETAIL

NO	For Approval	18-01-2022	BSM	ANM	CB
Rev No	ISSUE DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED

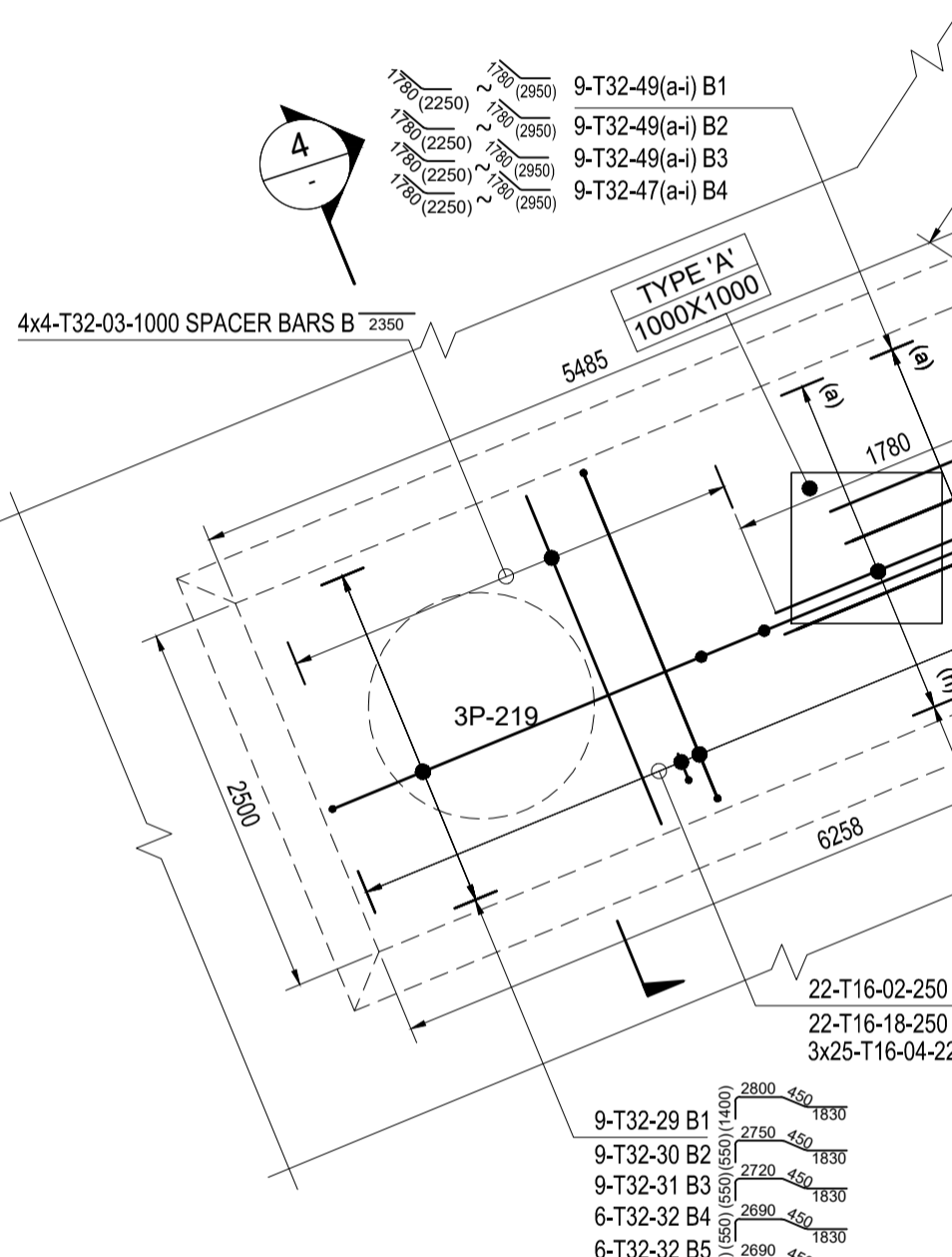




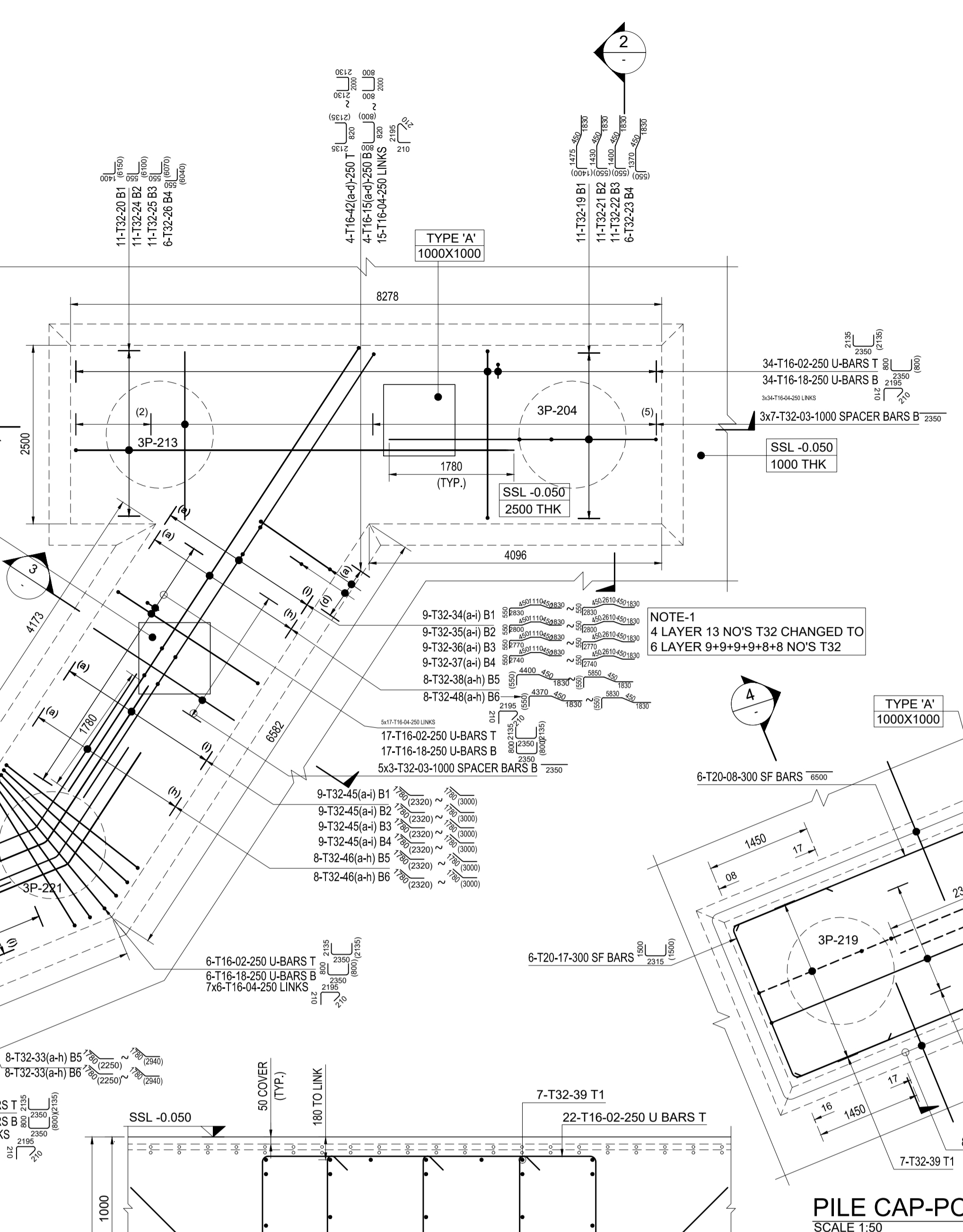
**TYPICAL INNER LINKS ARRANGEMENT @ PILE LOCATION**  
SCALE 1:25

NOTE:-  
INNER LINKS AT PILES TO BE RELOCATED OUTSIDE PILES TO AVOID CONGESTION AS PER GAD-STJV-RFI-STR-000023 RESPONSE

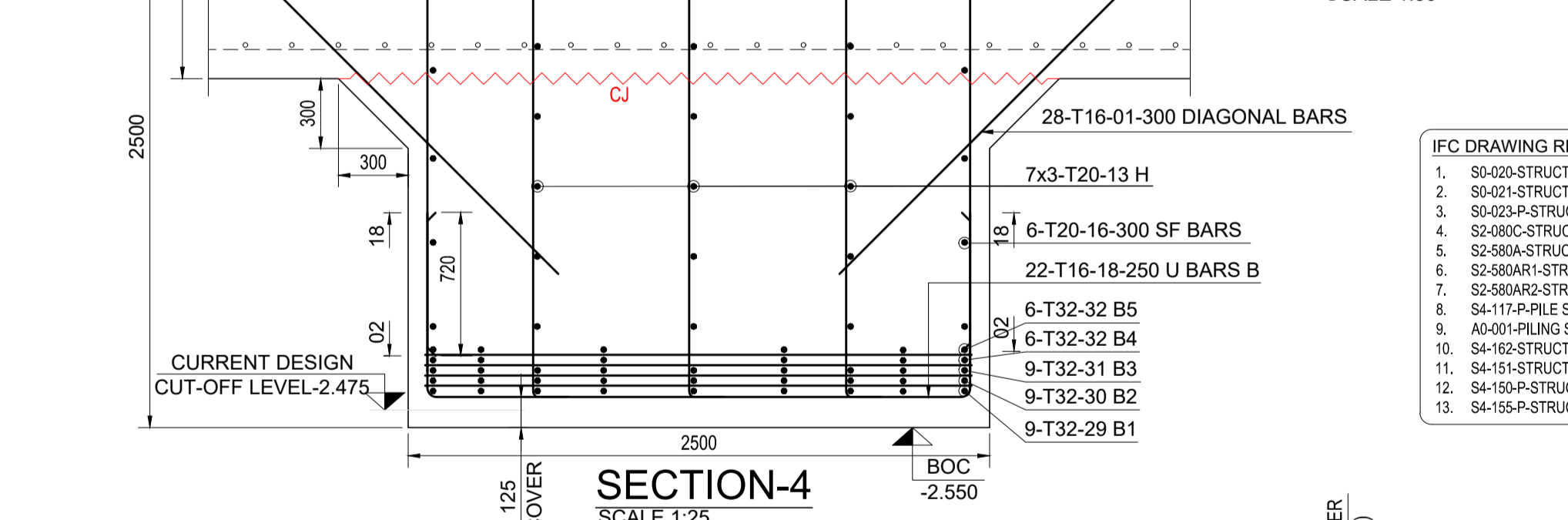
NOTE:-  
7 T16@300 CHANGE TO 5 T20@330 FULL DEPTH HORIZONTAL REBAR



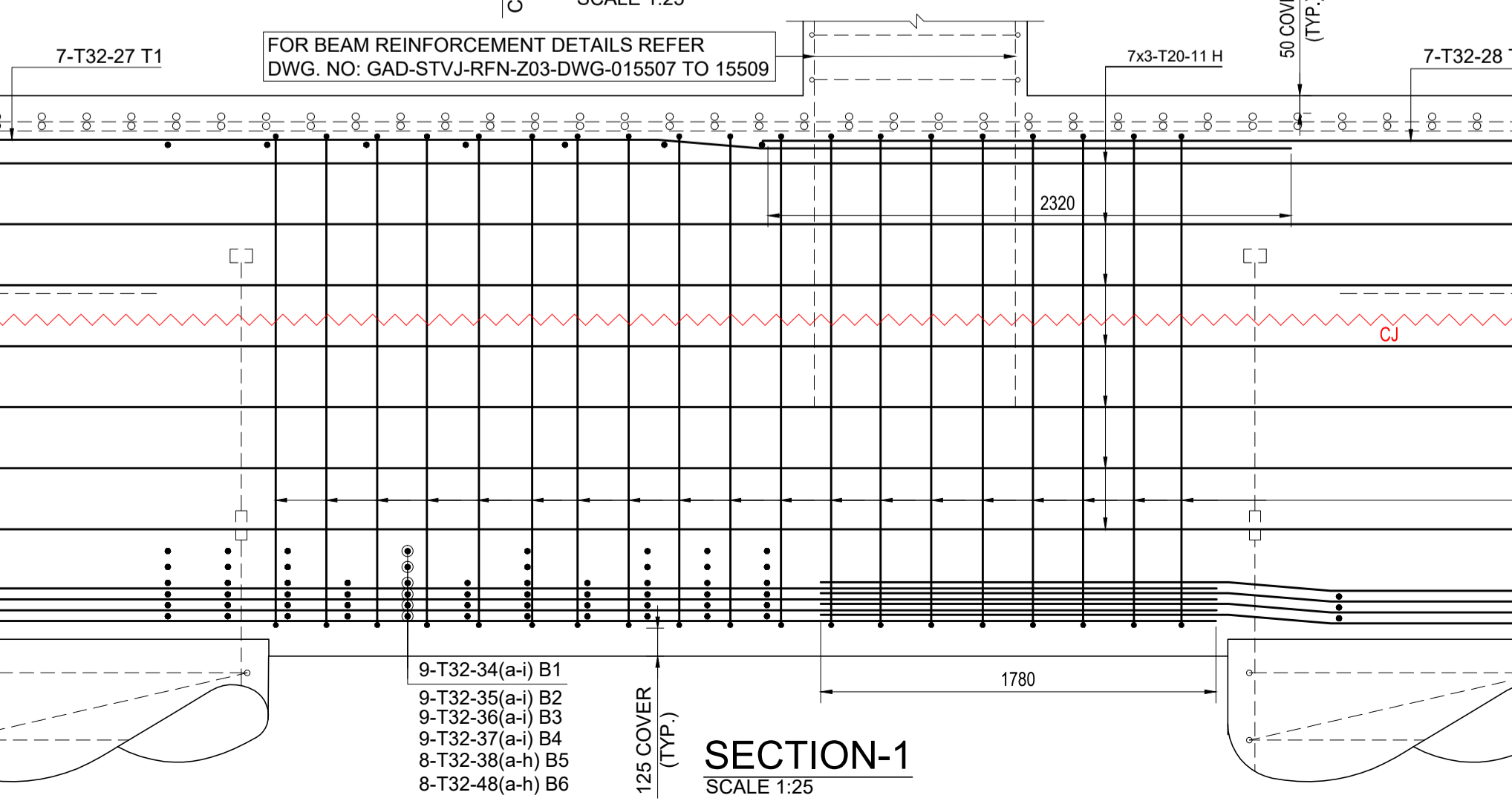
**PILE CAP-PCS1 BOTTOM REINFORCEMENT DETAILS**  
SCALE 1:50



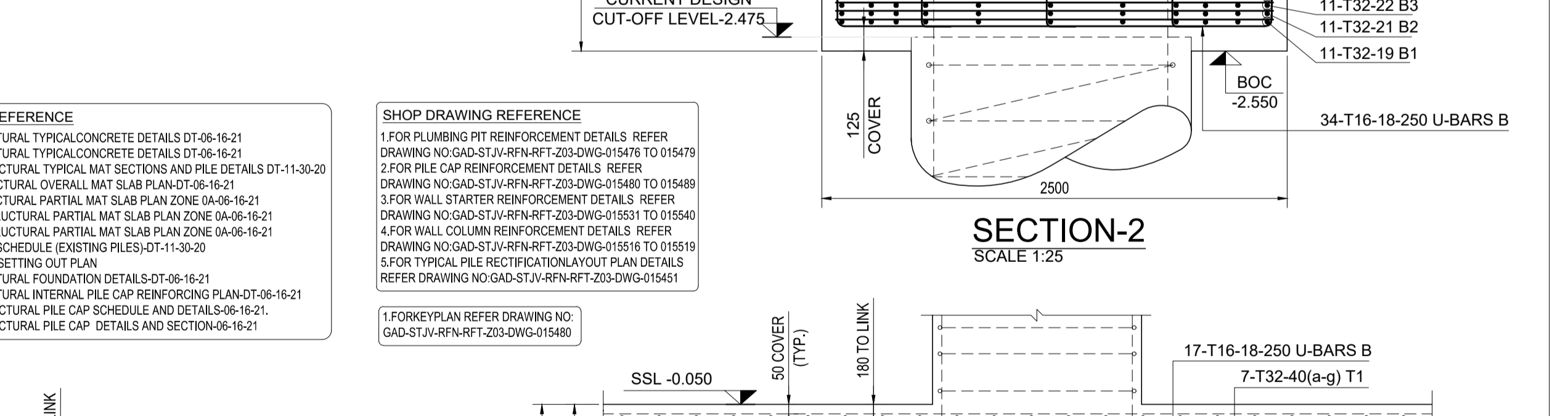
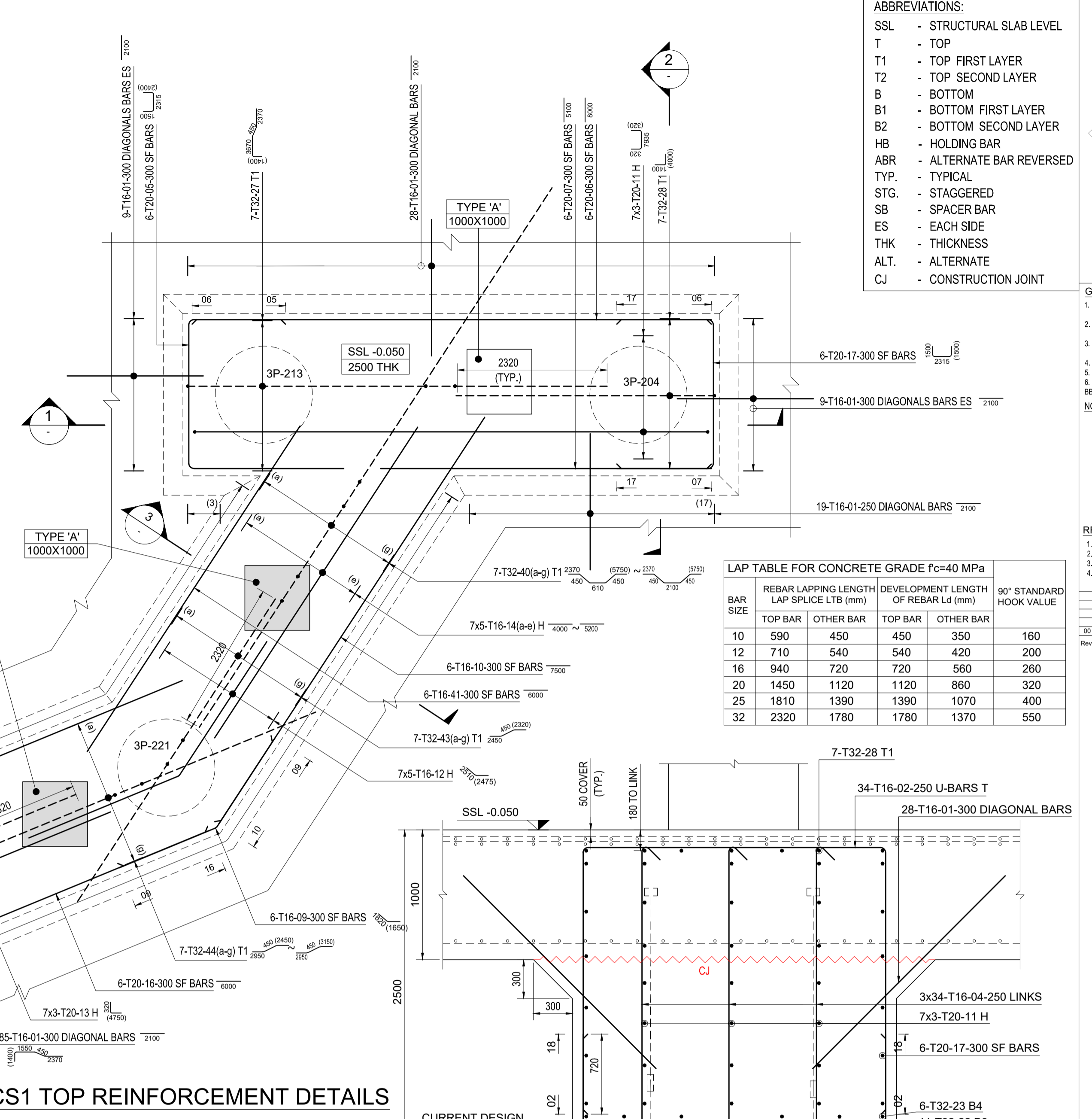
**PILE CAP-PCS1 TOP REINFORCEMENT DETAILS**  
SCALE 1:50



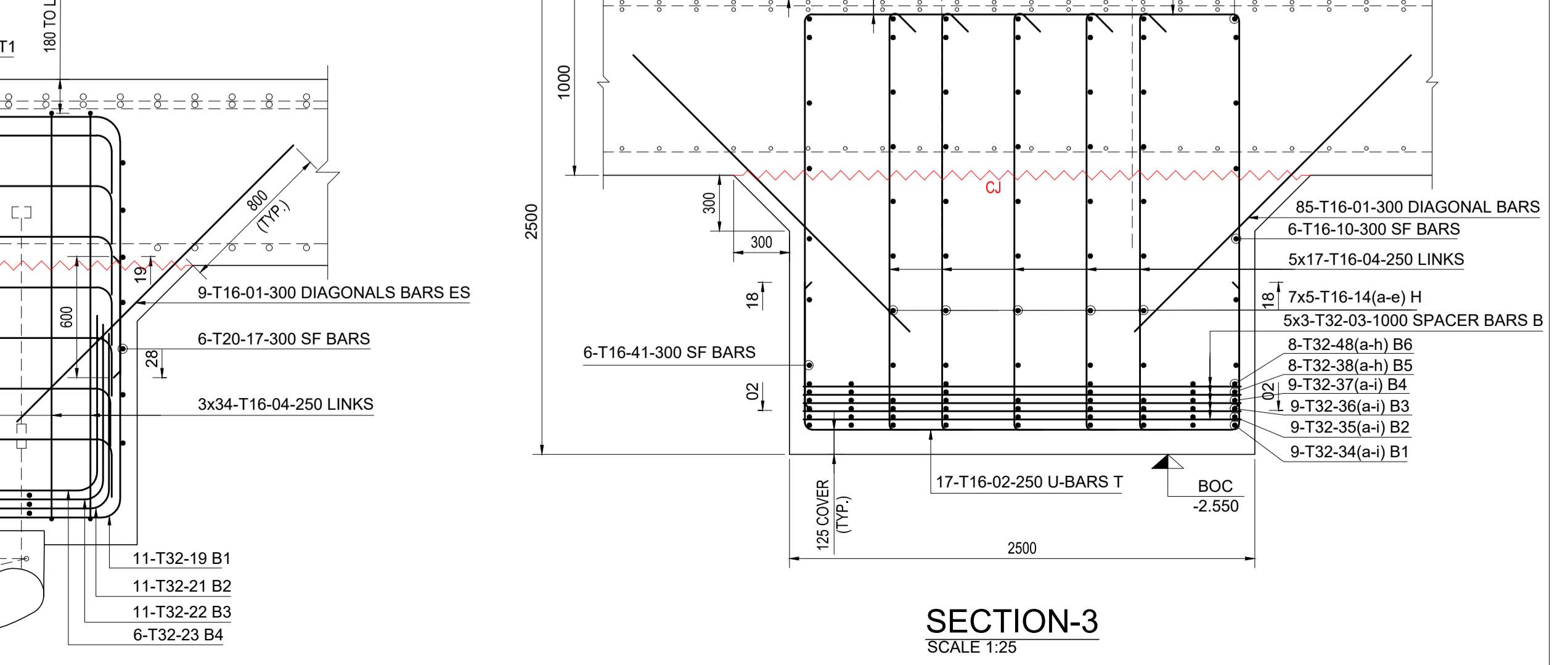
**SECTION-4**  
SCALE 1:25



**SECTION-1**  
SCALE 1:25



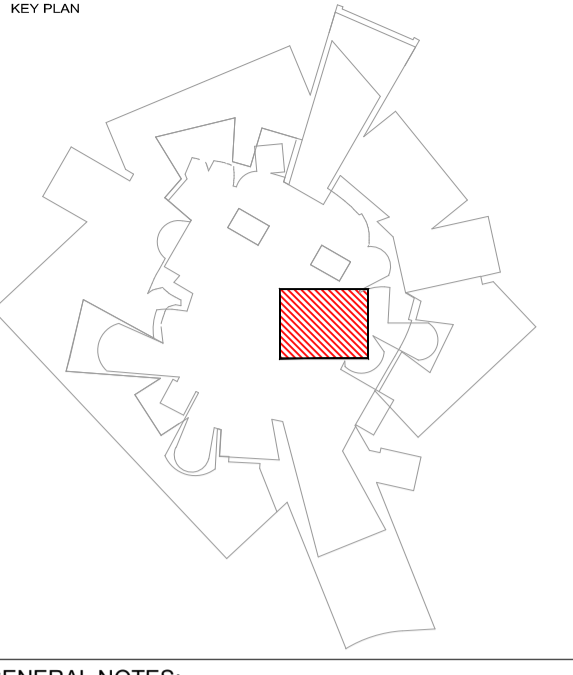
**SECTION-2**  
SCALE 1:25



**SECTION-3**  
SCALE 1:25

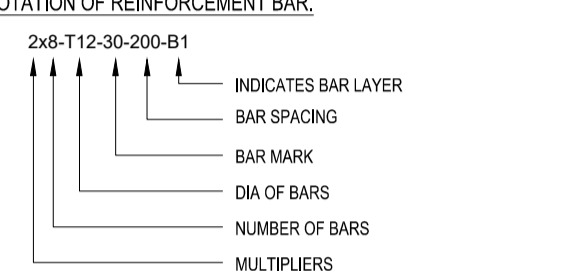
**ABBREVIATIONS:**

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- STG. - STAGGERED
- SB - SPACER BAR
- ES - EACH SIDE
- THK - THICKNESS
- ALT. - ALTERNATE
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- DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- CONCRETE COVER TO BE FOLLOWED:-  
RAFT & PILE CAP - BOTTOM: 25mm SIDES: 75mm & TOP: 50mm
- CONCRETE GRADE: F40/M30
- REINFORCEMENT STEEL GRADE: F460
- LAP LENGTH REFER TABLE
- BBS REFERENCE NUMBER: GAD-STJV-RFN-RFT-Z03-DWG-0154XX\_BBS



**RFI REFERENCE:**

- GAD-STJV-RFN-RFT-00001-REQUEST FOR PILING LAYOUT IFC DRAWING
- GAD-STJV-RFN-RFT-00004-PILES RFT
- GAD-STJV-RFN-RFT-00002-PILE CAP REINFORCEMENT TYPICAL
- GAD-STJV-RFN-RFT-00003-PILE CAP EXTENSION WITH PILE CAP COORDINATED REINFORCEMENT DETAIL

**LAP TABLE FOR CONCRETE GRADE f<sub>c</sub>=40 MPa**

BAR SIZE	REBAR LAPPING LENGTH LAP-SPLICE LTB (mm)		DEVELOPMENT LENGTH OF REBAR Ld (mm)		90° STANDARD HOOK VALUE
	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	
10	590	450	450	350	160
12	710	540	540	420	200
16	940	720	720	560	260
20	1450	1120	1120	860	320
25	1810	1390	1390	1070	400
32	2320	1780	1780	1370	550

**IFC DRAWING REFERENCE**

- S0-020-STRUCTURAL TYPICAL CONCRETE DETAILS DT-06-16-21
- S0-021-STRUCTURAL TYPICAL CONCRETE DETAILS DT-06-16-21
- S0-023-P-STRUCTURAL TYPICAL MAT SECTIONS AND PILE DETAILS DT-11-30-20
- S2-080C-STRUCTURAL OVERALL MAT SLAB PLAN DT-06-16-21
- S2-080A-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
- S2-080AR-1-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
- S2-080AR-2-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
- S4-117A-P-PILE SCHEDULE (EXISTING PILES)-DT-11-30-20
- A0-001-PIILING SETTING OUT PLAN
- S4-162-STRUCTURAL FOUNDATION DETAILS-DT-06-16-21
- S4-151-STRUCTURAL INTERNAL PILE CAP REINFORCING PLAN-DT-06-16-21
- S4-150-P-STRUCTURAL PILE CAP SCHEDULE AND DETAILS-06-16-21
- S4-155-P-STRUCTURAL PILE CAP DETAILS AND SECTION-06-16-21

**SHOP DRAWING REFERENCE**

- FOR PLUMBING FIT REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015476 TO 015479
- FOR PILE CAP REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015480 TO 015489
- FOR WALL STARTER REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015531 TO 015540
- FOR WALL COLUMN REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015516 TO 015519
- FOR TYPICAL PILE RECTIFICATION LAYOUT PLAN DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015451

1. FOR KEY PLAN REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015480



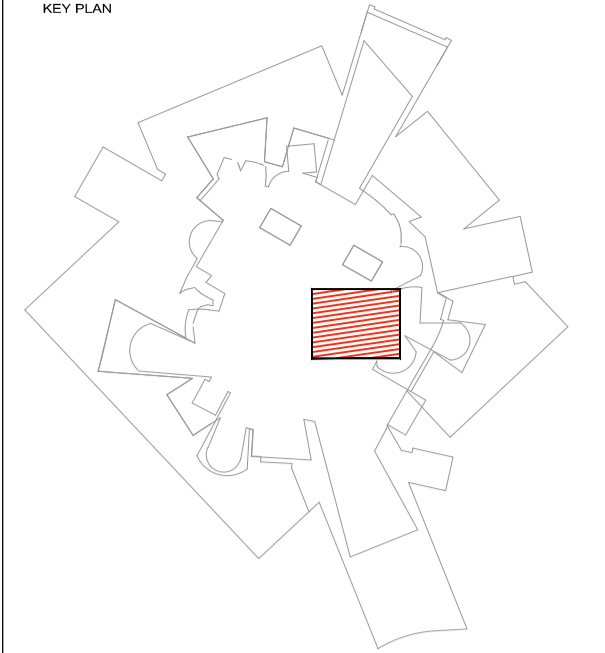
- IFC DRAWING REFERENCE**
- S0-023-P-STRUCTURAL TYPICAL MAT SECTIONS AND PILE DETAILS DT-11-30-20
  - S2-070-P-STRUCTURAL OVERALL PILING PLAN-DT-11-30-20
  - S2-270-P-STRUCTURAL PILING PLAN PART 0-DT-11-30-20
  - S2-271-P-STRUCTURAL PILING PLAN PART 1-DT-11-30-20
  - S2-490C-STRUCTURAL OVERALL MAT SLAB PLAN-DT-06-16-21
  - S2-580A-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
  - S2-580AR1-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
  - S2-580AR2-STRUCTURAL PARTIAL MAT SLAB PLAN ZONE 0A-06-16-21
  - S4-117-P-PILE SCHEDULE (EXISTING PILES)-DT-11-30-20
  - S4-118-P-PILE SCHEDULE (NEW PILES)-DT-11-30-20
  - S4-119-P-PILE SCHEDULE (NEW PILES)-DT-11-30-20
  - A0-001-PILING SETTING OUT PLAN
  - S4-162-STRUCTURAL FOUNDATION DETAILS-DT-06-16-21
  - S4-151-STRUCTURAL INTERNAL PILE CAP REINFORCING PLAN-DT-06-16-21
  - S4-121-STRUCTURAL EXTERNAL PILE CAP SCHEDULE AND DETAILS-06-16-21
  - S4-150-P-STRUCTURAL PILE CAP SCHEDULE AND DETAILS-06-16-21
  - S4-155-P-STRUCTURAL PILE CAP DETAILS AND SECTIONS-06-16-21

- SHOP DRAWING REFERENCE**
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  - FOR PILE CAP REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015480
  - FOR WALL STARTER REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015531 & 015540
  - FOR WALL COLUMN REINFORCEMENT DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015516 & 015519
  - FOR TYPICAL PILE RECTIFICATION LAYOUT PLAN DETAILS REFER DRAWING NO. GAD-STJV-RFN-RFT-Z03-DWG-015451

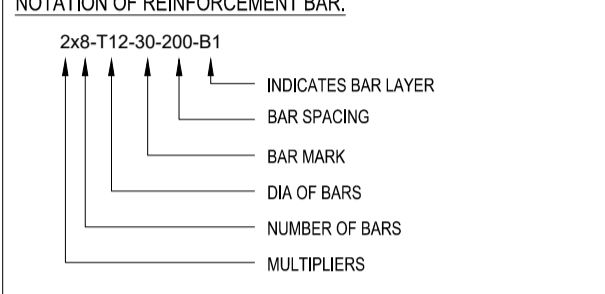
**LAP TABLE FOR CONCRETE GRADE  $f_c=40$  MPa**

BAR SIZE	REBAR LAPPING LENGTH LAP SPLICE LTB (mm)		DEVELOPMENT LENGTH OF REBAR Ld (mm)		90° STANDARD HOOK VALUE
	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	
10	590	450	450	350	160
12	710	540	540	420	200
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  - THK - THICKNESS
  - ALT. - ALTERNATE
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  - ABR. - ALTERNATE BAR REVERSED
  - CJ - CONSTRUCTION JOINT

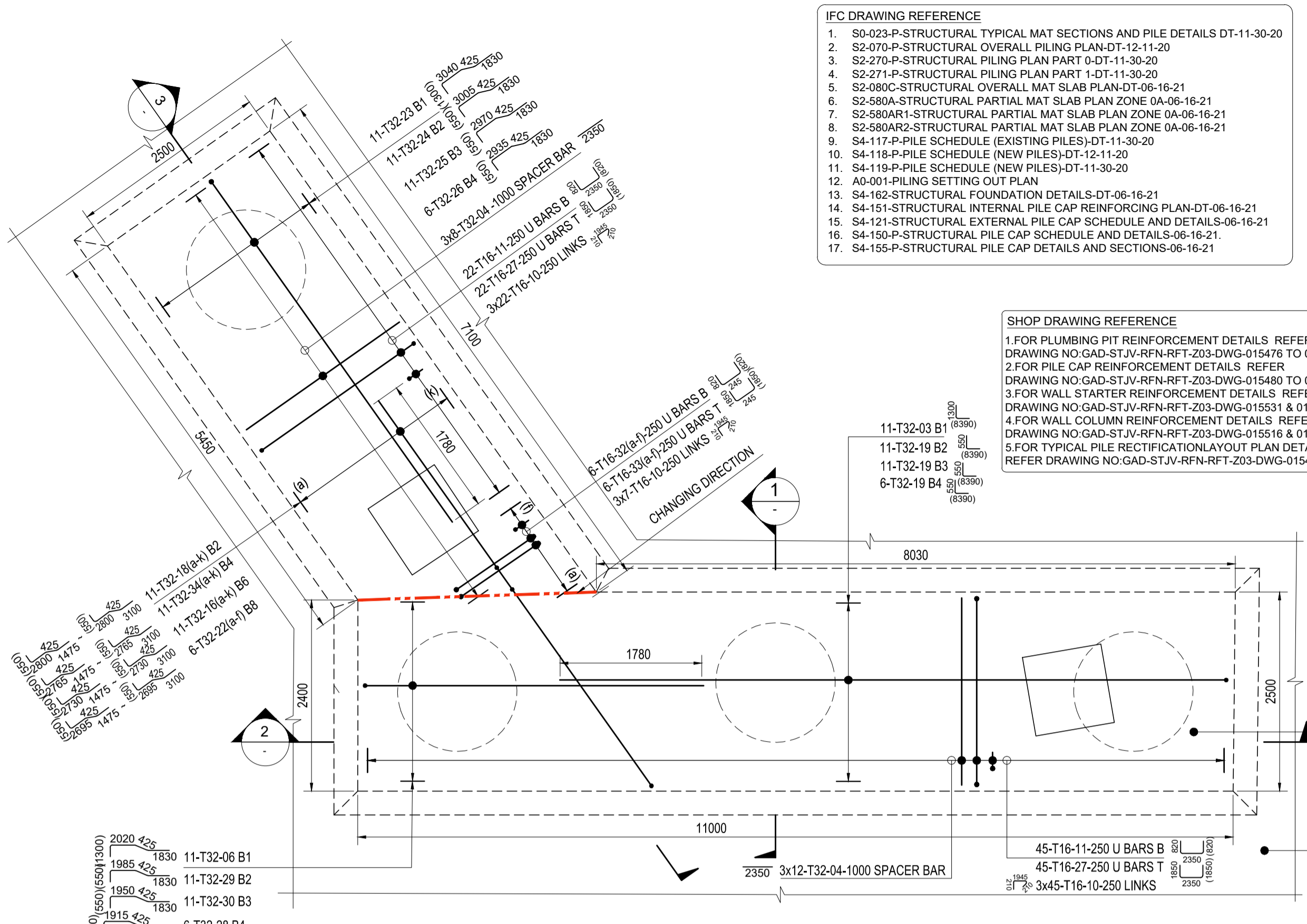


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  - DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  - CONCRETE COVER TO BE FOLLOWED:-  
RAFT & PILE CAP - BOTTOM: 25mm SIDES: 75mm & TOP: 50mm
  - CONCRETE GRADE:  $f_{ck}=40$  MPa
  - REINFORCEMENT STEEL GRADE: F460
  - LAP LENGTH REFER TABLE
  - BBS REFERENCE NUMBER: GAD-STJV-RFN-RFT-Z03-DWG-015489\_BBS



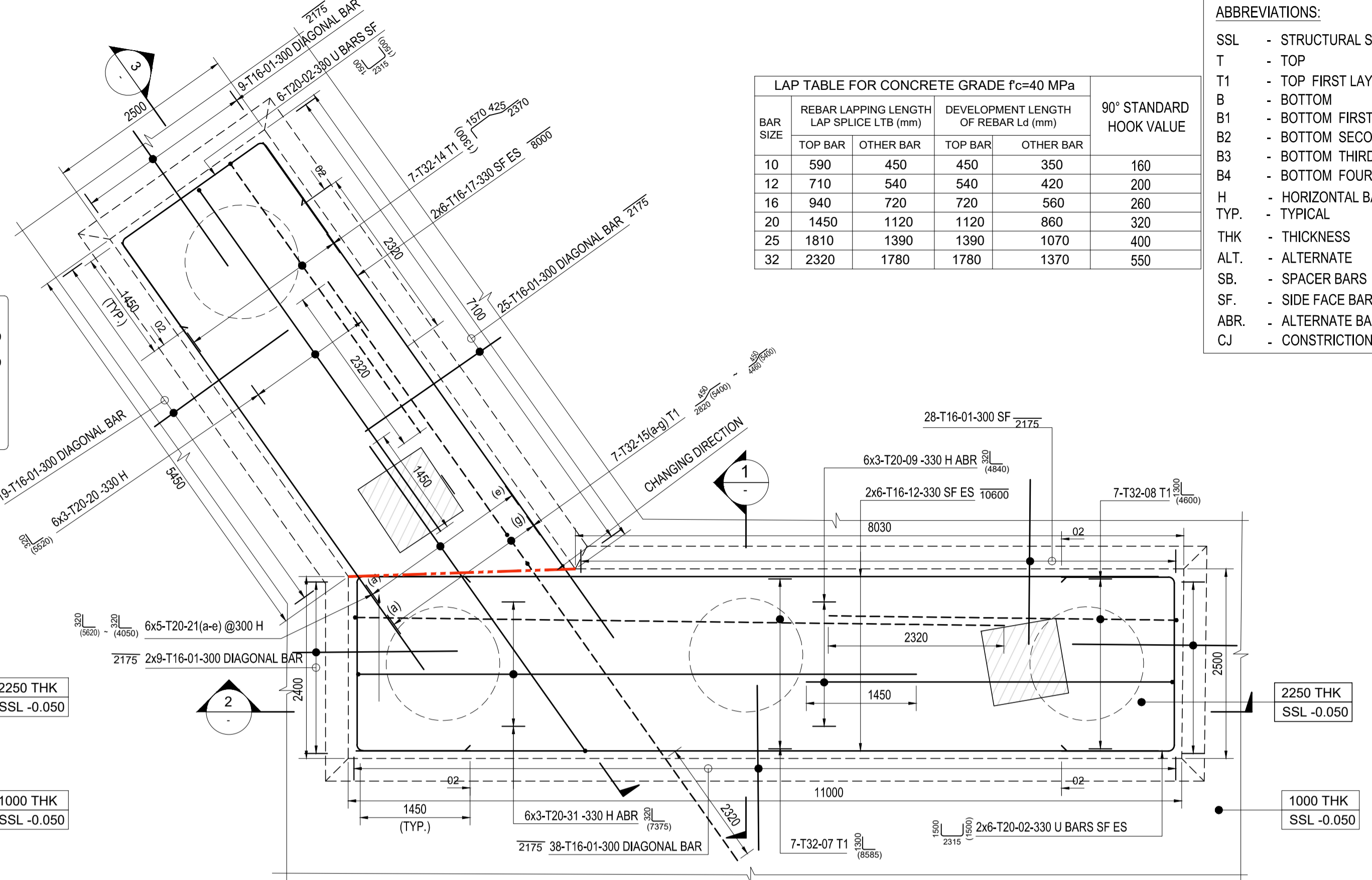
- RFI REFERENCE:**
- GAD-STJV-RFI-STR-00001- REQUEST FOR PILING LAYOUT IFC DRAWING
  - GAD-STJV-RFI-STR-00004- FILES RFI
  - RFI NO. GAD-STJV-RFI-STR-00003-00-PILE CAP REINFORCEMENT-TYPICAL

NO.	For Approval	18-01-2022	SK	RND	CB
Rev No.	ISSUE DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED

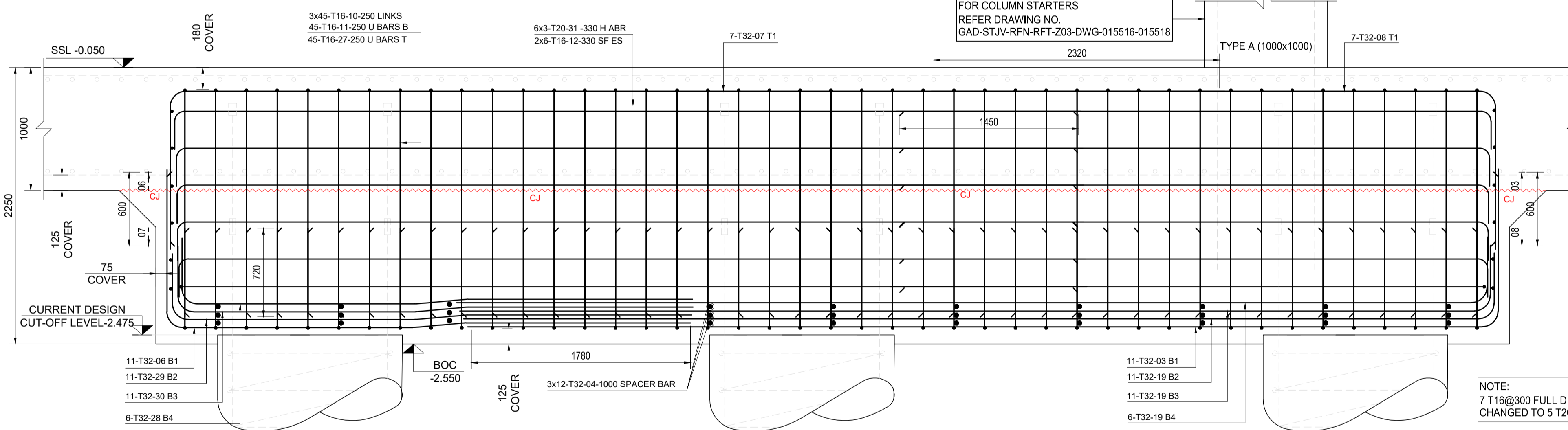


**PILE CAP - PCS5 BOTTOM & LINKS REINF. DETAILS**  
SCALE 1:50

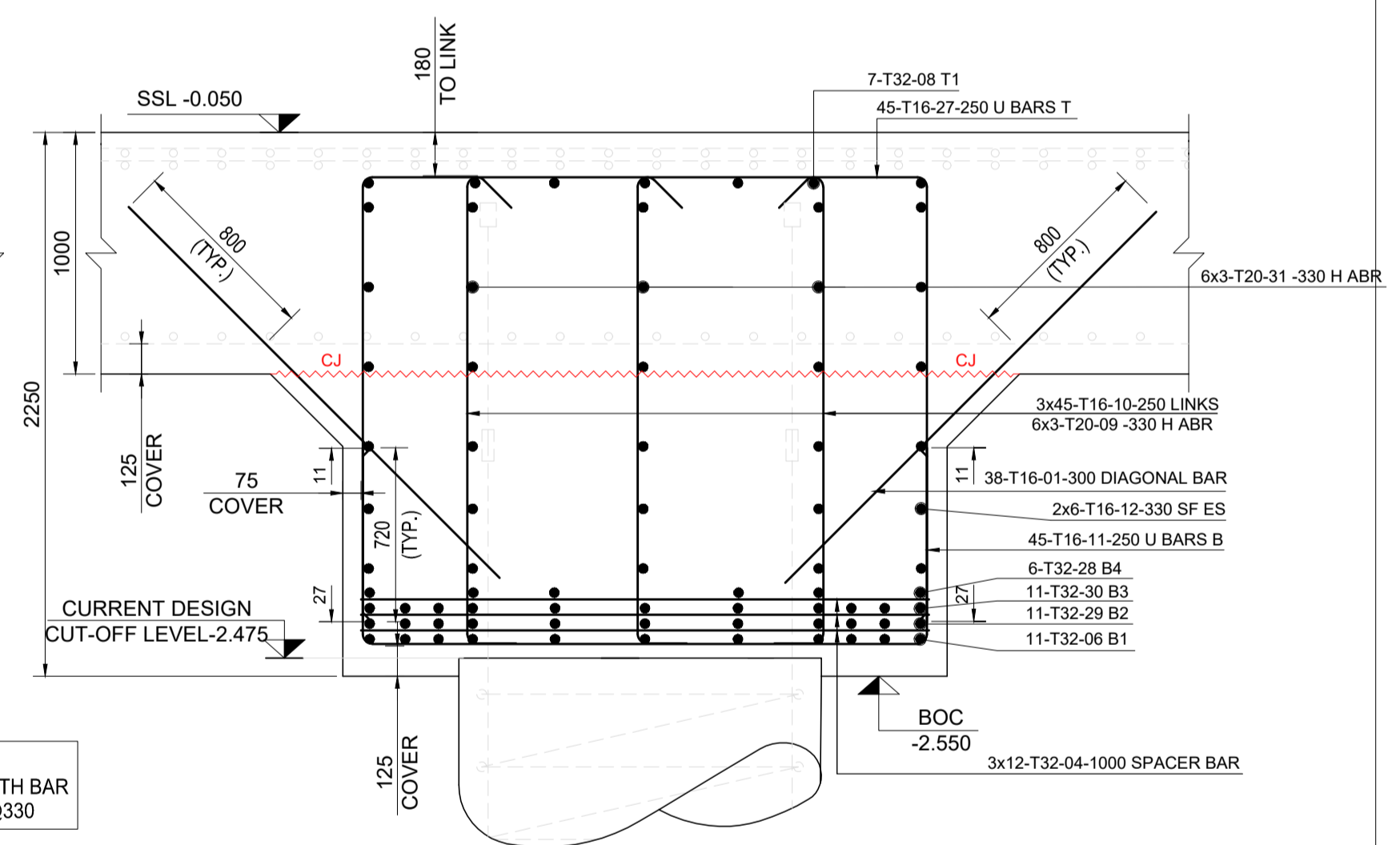
**NOTE:-**  
FOLLOW TYPICAL LINKS ARRANGEMENT FOR PILE LOCATION



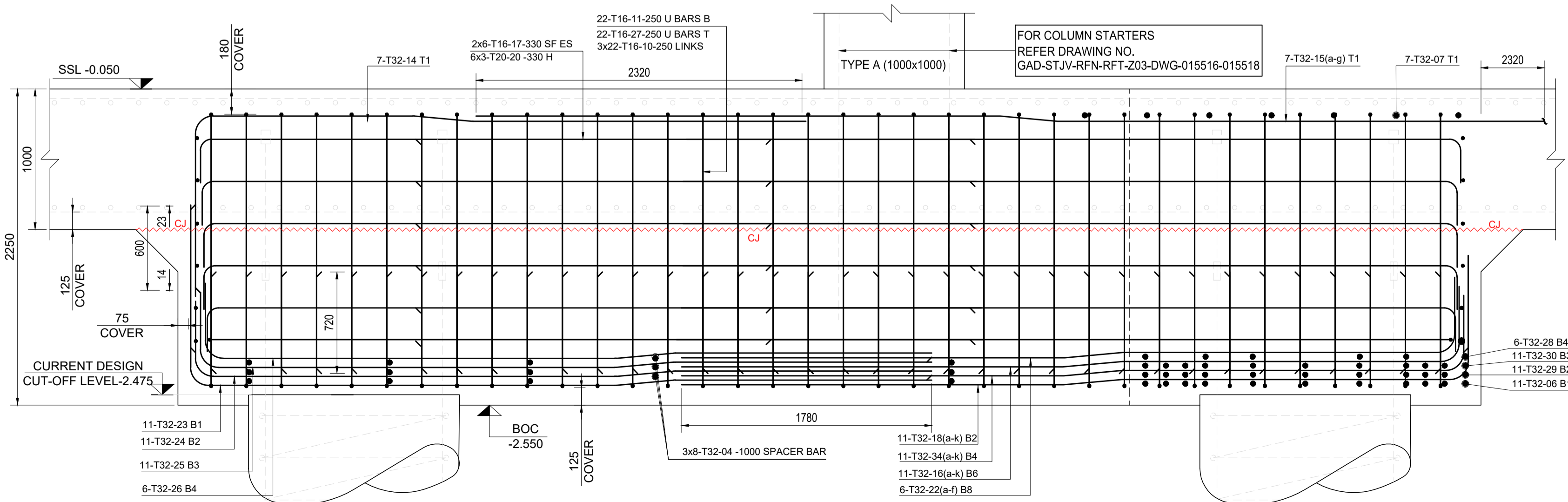
**PILE CAP - PCS5 TOP & FULL DEPTH REINF. DETAILS**  
SCALE 1:50



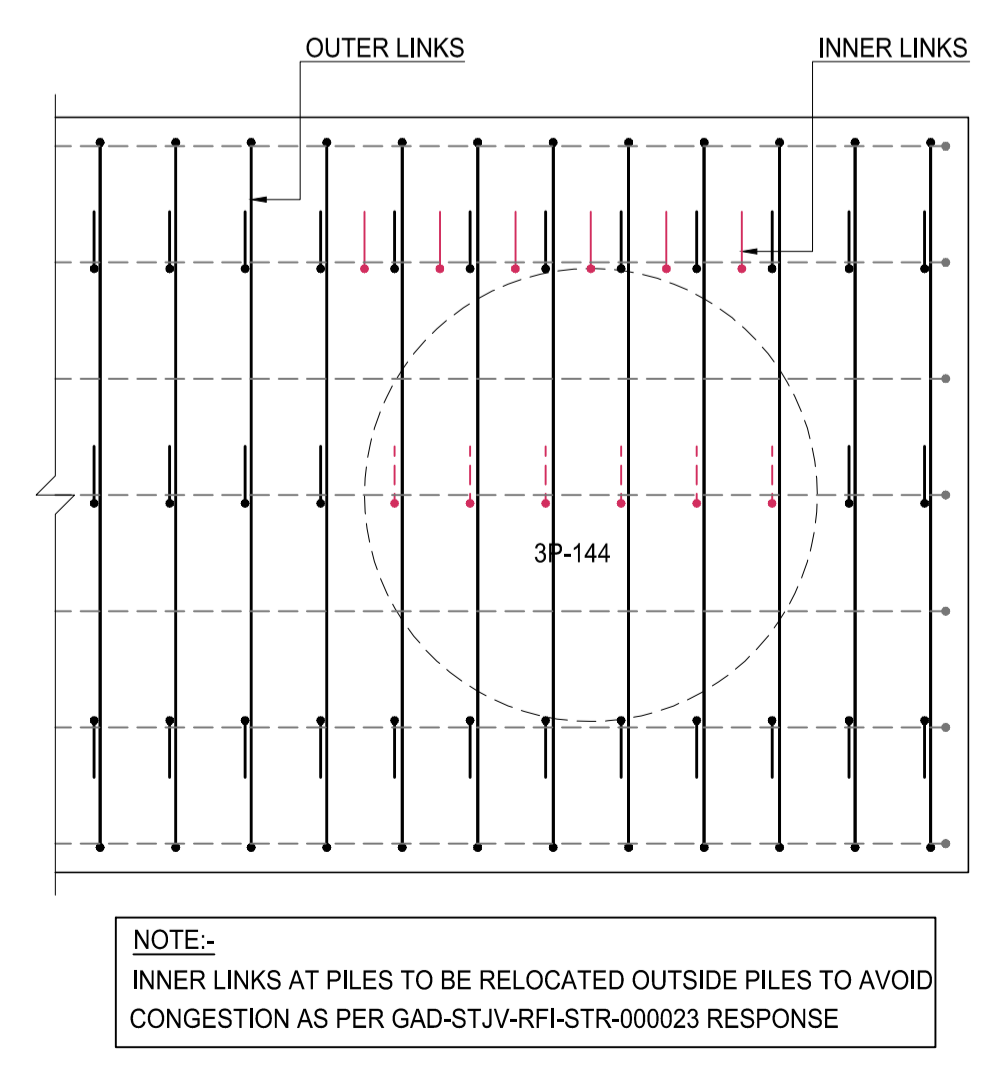
**SECTION-2**  
SCALE 1:25



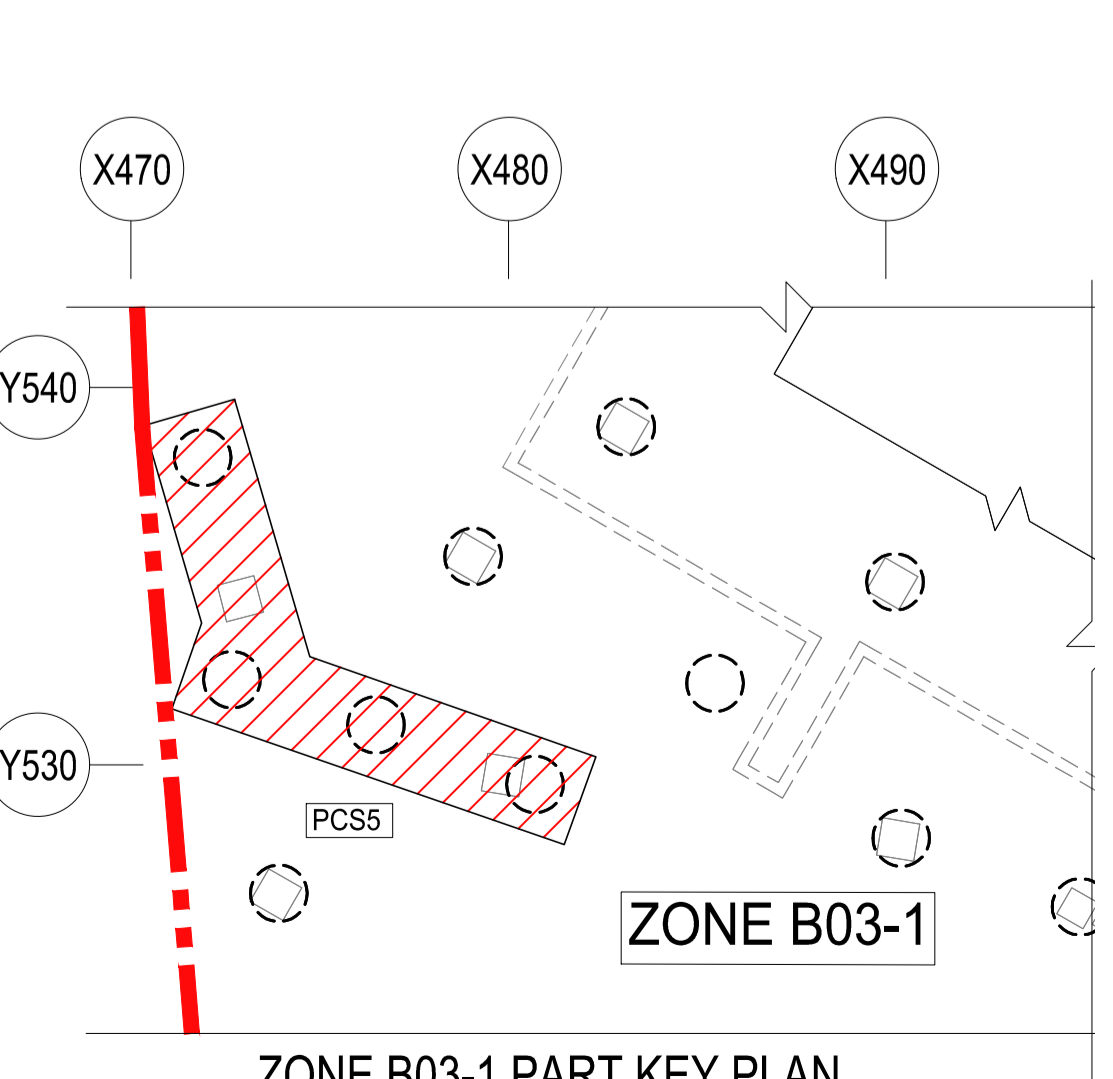
**SECTION-1**  
SCALE 1:25



**SECTION-3**  
SCALE 1:25

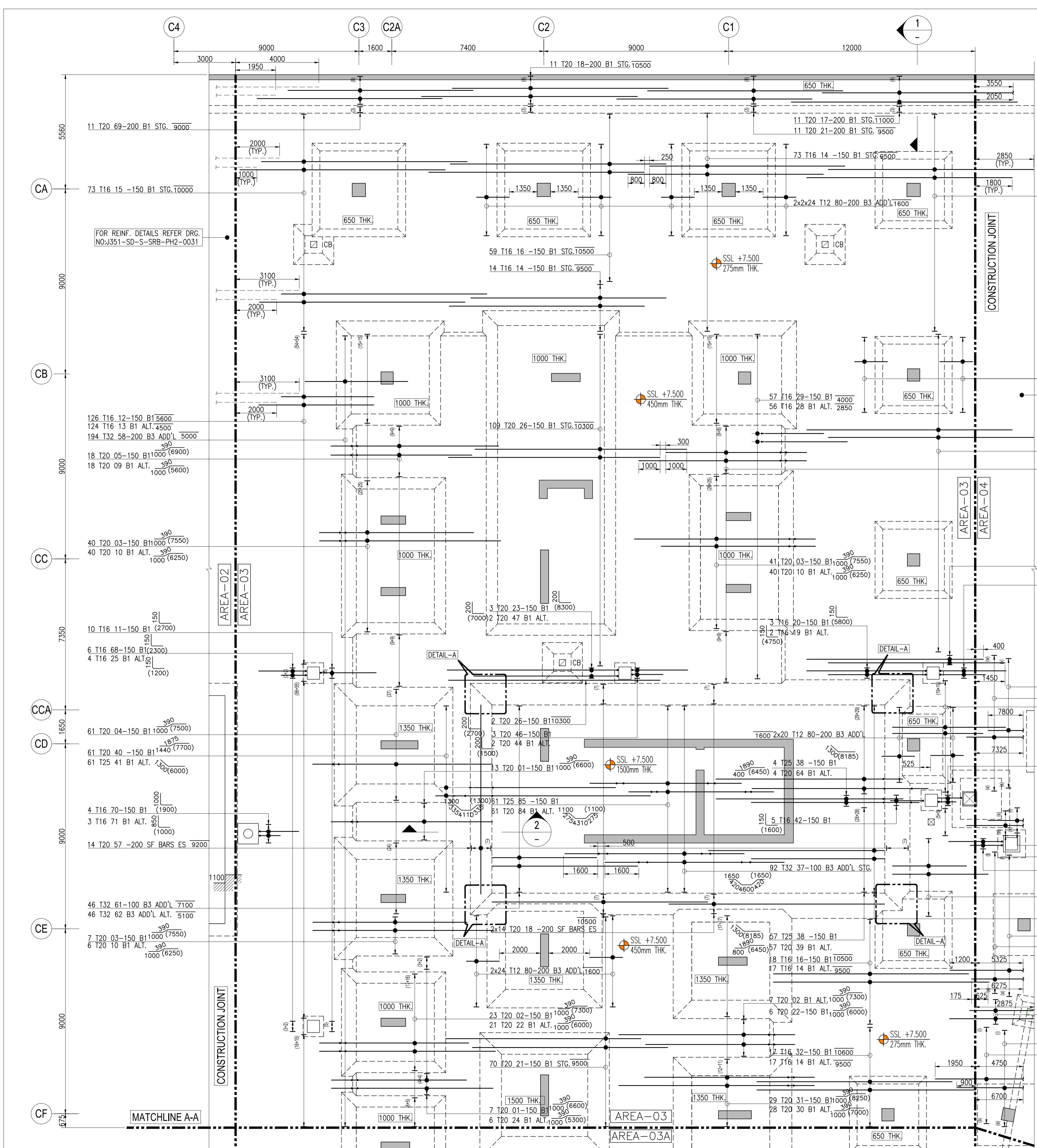


**TYPICAL INNER LINKS ARRANGEMENT @ PILE LOCATION**  
SCALE 1:25



**ZONE B03-1 PART KEY PLAN**  
SCALE: NTS





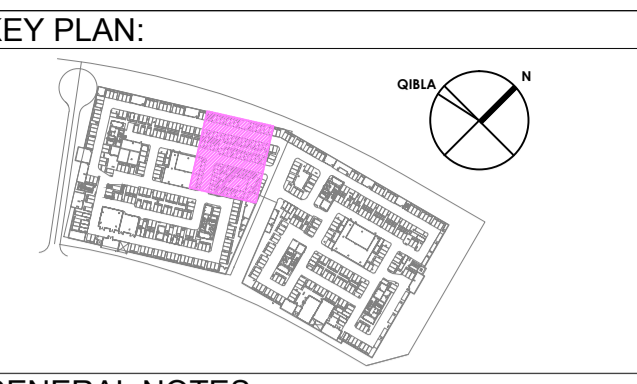
FOR OPENING SIZE LESS THAN 500mm  
BARS TO BE CUT AND ADJUST AT SITE.

FOR KEY PLAN:  
FOR KEY PLAN REFER DRAWING NO. J351-SD-S-SRB-PH2-0046

- CONTRACT DRAWING REFERENCE:**
- 1. GENERAL NOTES - S-1001
  - 2. SLAB STANDARD DETAILS - S-1013
  - 3. BASEMENT-01 STRUCTURAL GA - S-3001
  - 4. SECTION AND DETAILS - S-3011
  - 5. BASEMENT-01 'X' DIRECTION REINFORCEMENT - S-3021
  - 6. BASEMENT-01 'Y' DIRECTION REINFORCEMENT - S-3023

- SHOP DRAWING REFERENCE:**
- 1. BLOCK-C AREA-03&03A BASEMENT 01 PAD FOOTING REINFORCEMENT DETAILS- J351-SD-S-SRB-PH2-0046 & 0047
  - 2. BLOCK-C AREA-03 BASEMENT 01 COLUMN & WALL STARTERS REINFORCEMENT DETAILS - J351-SD-S-SRB-PH2-0051 TO 0053
  - 3. BLOCK-C AREA-02 BASEMENT 01 RAFT SLAB REINFORCEMENT DETAILS - J351-SD-S-SRB-PH2-0031 TO 0033
  - 4. BLOCK-C AREA-03 BASEMENT 01 RAFT SLAB REINFORCEMENT DETAILS - J351-SD-S-SRB-PH2-0048 TO 0050
  - 5. BLOCK-C AREA-03A BASEMENT 01 RAFT SLAB REINFORCEMENT DETAILS - J351-SD-S-SRB-PH2-0058 & 0059
  - 6. BLOCK-C AREA-04 BASEMENT 01 RAFT SLAB REINFORCEMENT DETAILS - J351-SD-S-SRB-PH2-0067 & 0068

LAP SCHEDULE	
BAR DIA.	LAP
T10	500
T12	600
T16	800
T20	1000
T25	1250
T32	1600

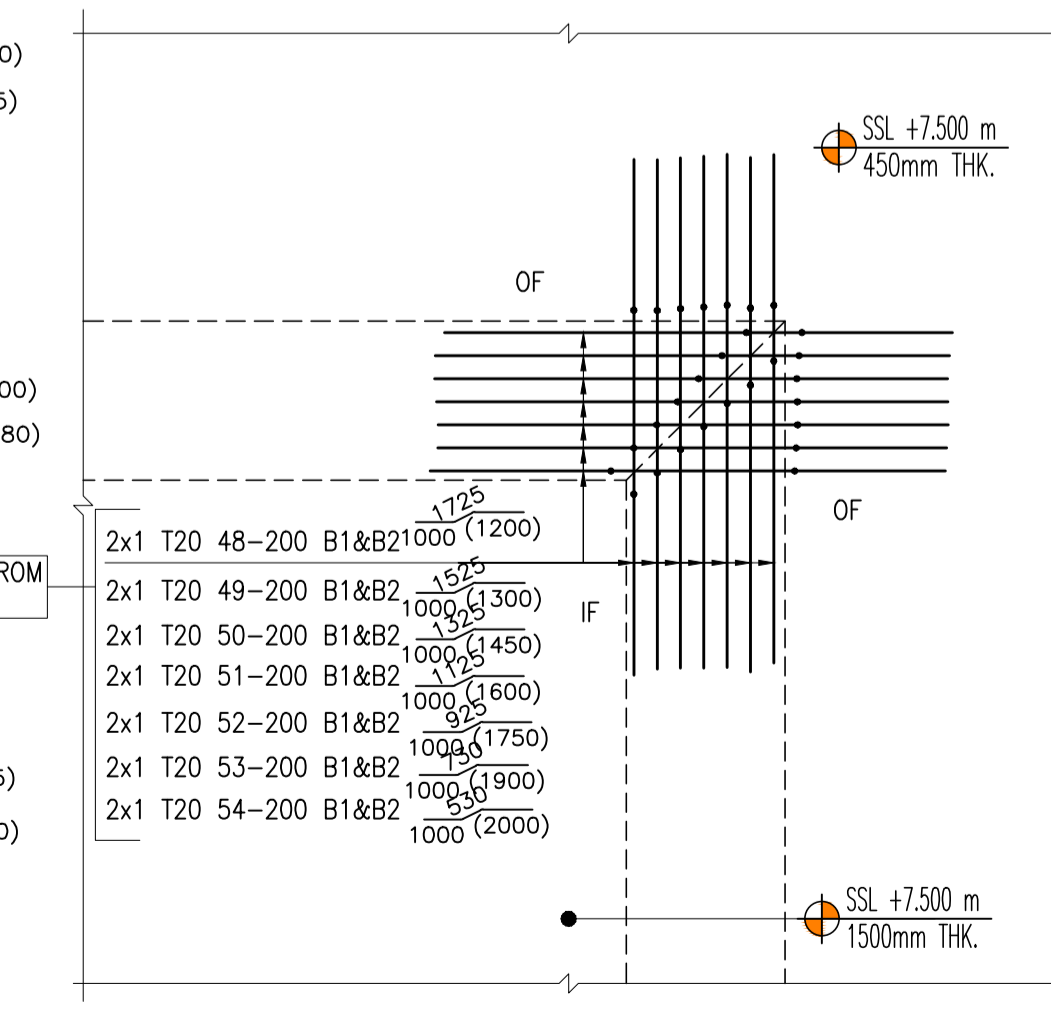
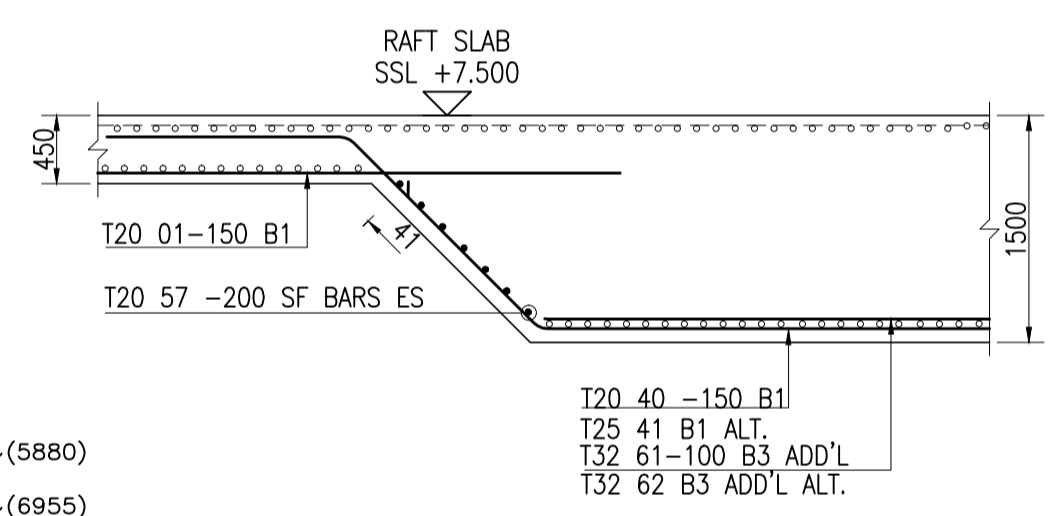
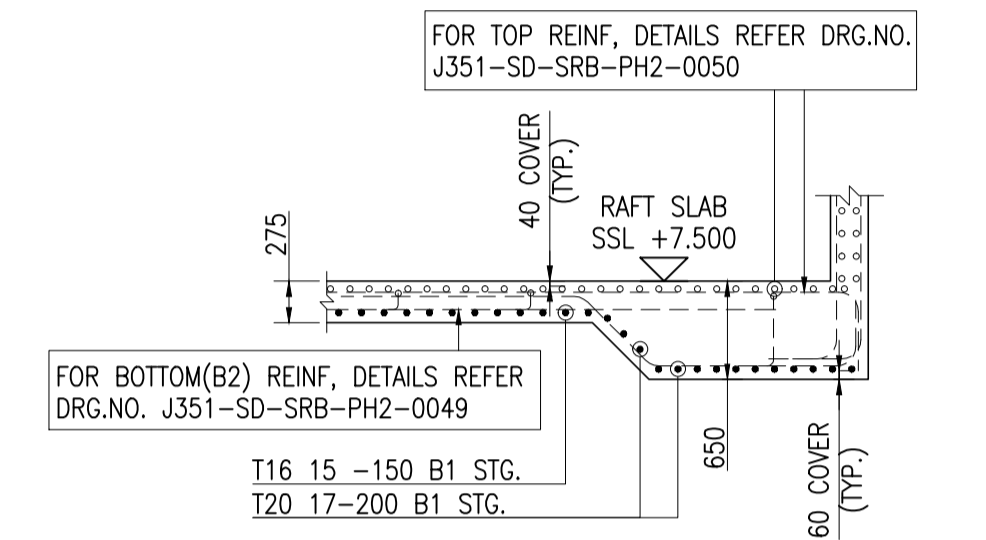


- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED AND LEVELS ARE IN METERS.
  - LAP LENGTH SHALL BE 50 X DIAMETER OF BAR.
  - MINIMUM CLEAR COVER TO REINFORCEMENT FOUNDATION  
BOTTOM & SIDES : 60mm  
TOP : 40mm
  - BAR MARKS TO BE READ AS:  
5 T20 01-150 T1  
5 - Nos OF BARS  
T - TYPE OF STEEL  
20 - DIA OF STEEL  
01 - BAR MARKS  
150 - SPACING OF STEEL  
T1 - LAYERS

- ABBREVIATIONS USED:**
- TYP. - TYPICAL
  - ALT. - ALTERNATE BAR
  - THK. - THICKNESS
  - SSL - STRUCTURAL SLAB LEVEL
  - STG. - STAGGERED
  - SF - SIDE FACE BAR
  - ABR - ALTERNATE BAR REVERSED
  - B1 - BOTTOM FIRST LAYER
  - T1 - TOP FIRST LAYER
  - B2 - BOTTOM SECOND LAYER
  - T2 - TOP SECOND LAYER

**BBS REFERENCE**  
J351-SD-S-SRB-PH2-0048-BBS

**SECTION VIEW OF SLAB**

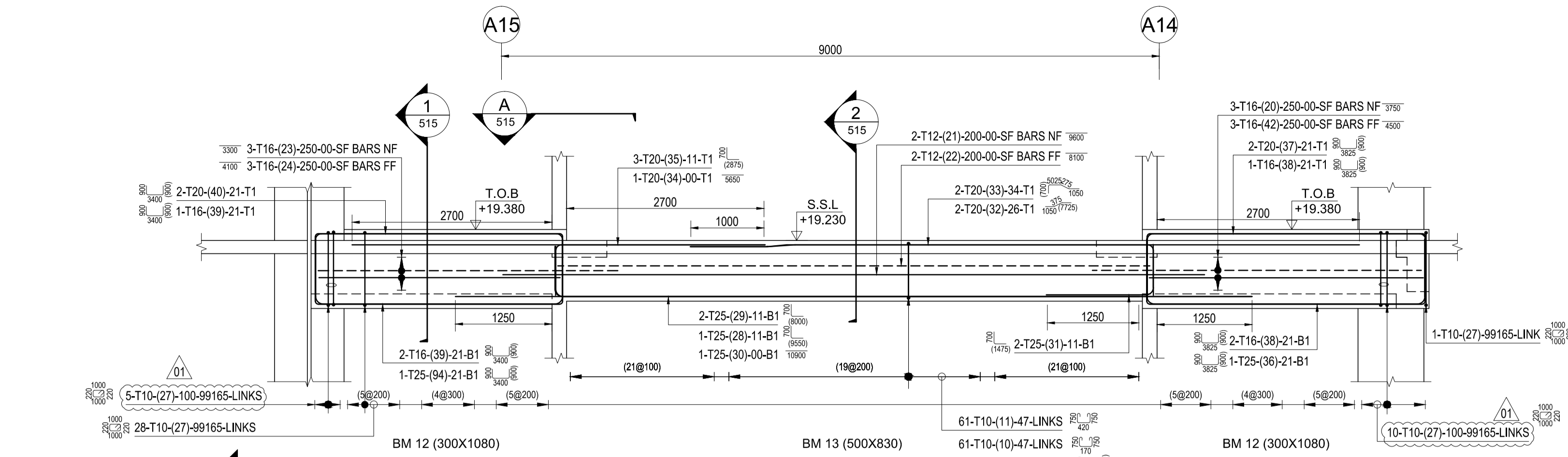


**AREA-03 BASEMENT 01 RAFT SLAB BOTTOM(B1)**  
SCALE - 1:100

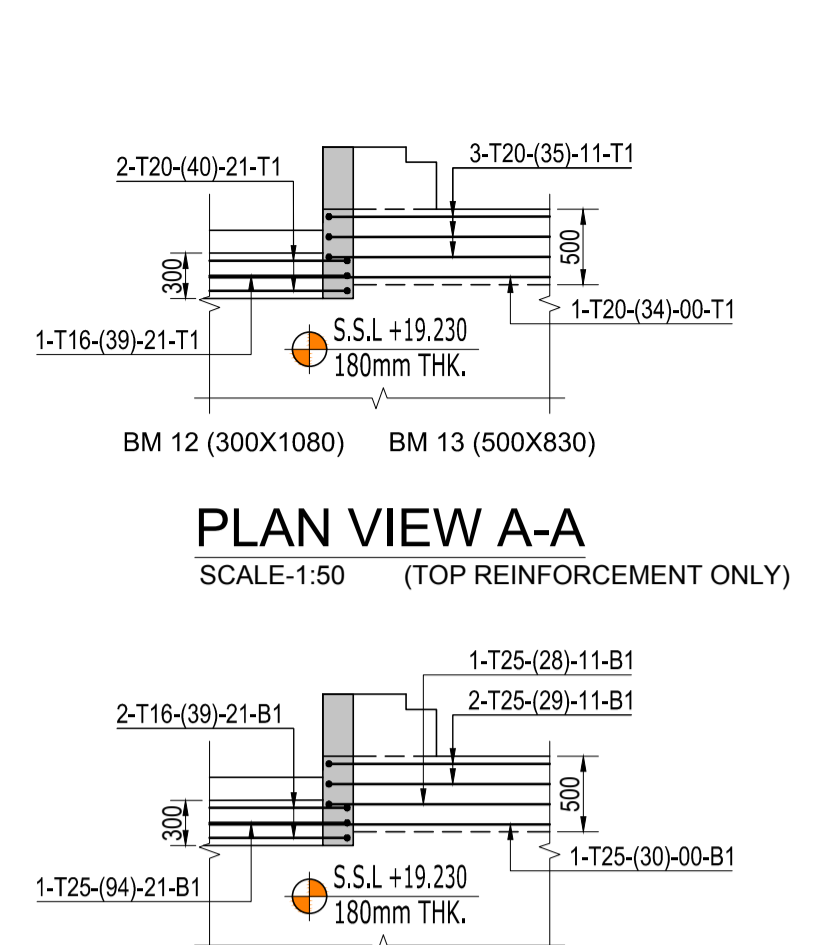
**SHOP DRAWING**

NO.	ISSUED FOR APPROVAL	DATE	BY
00	ISSUED FOR APPROVAL	11/02/17	FJS

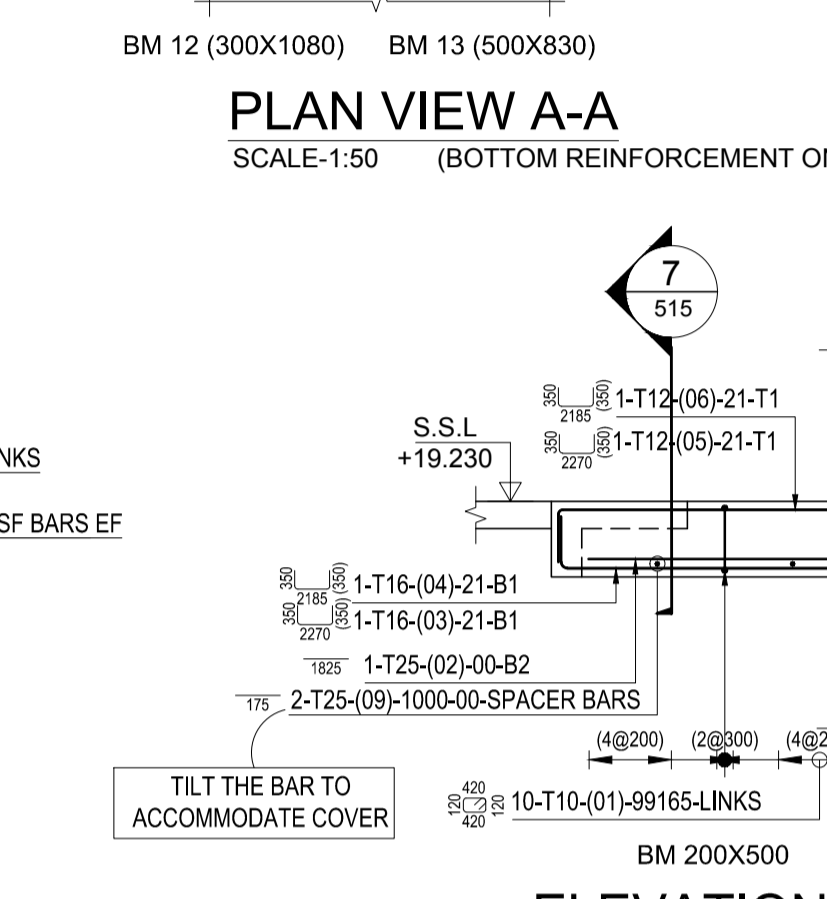




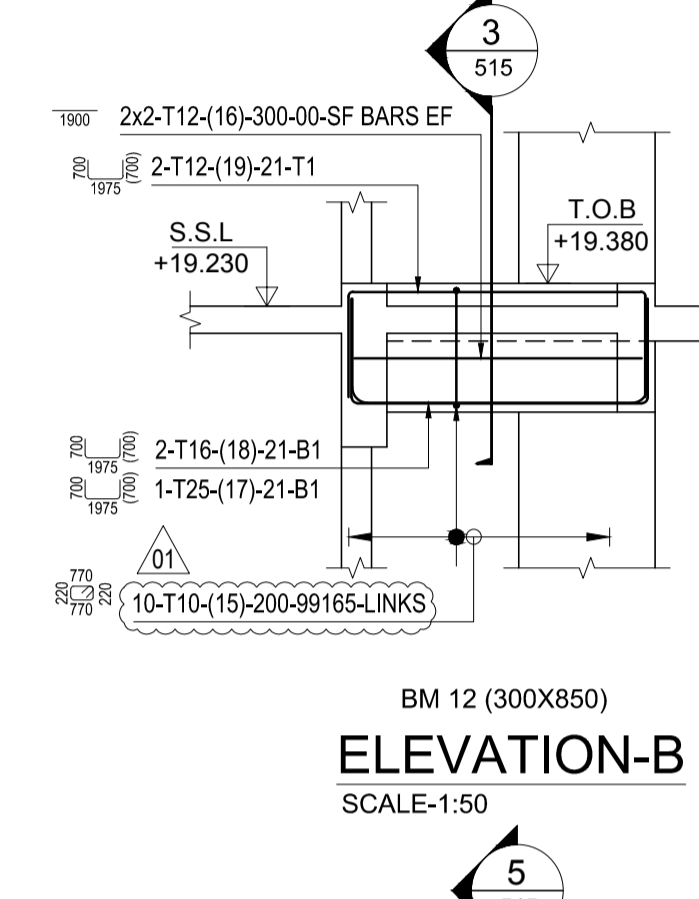
**ELEVATION-A**  
SCALE: 1:50



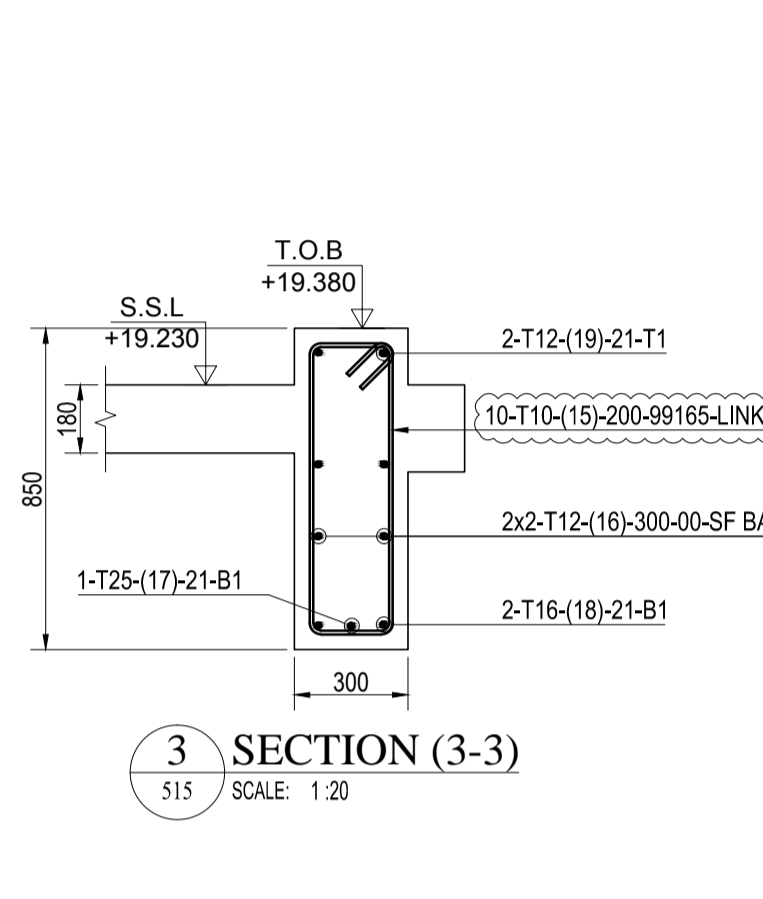
**PLAN VIEW A-A**  
SCALE: 1:50 (TOP REINFORCEMENT ONLY)



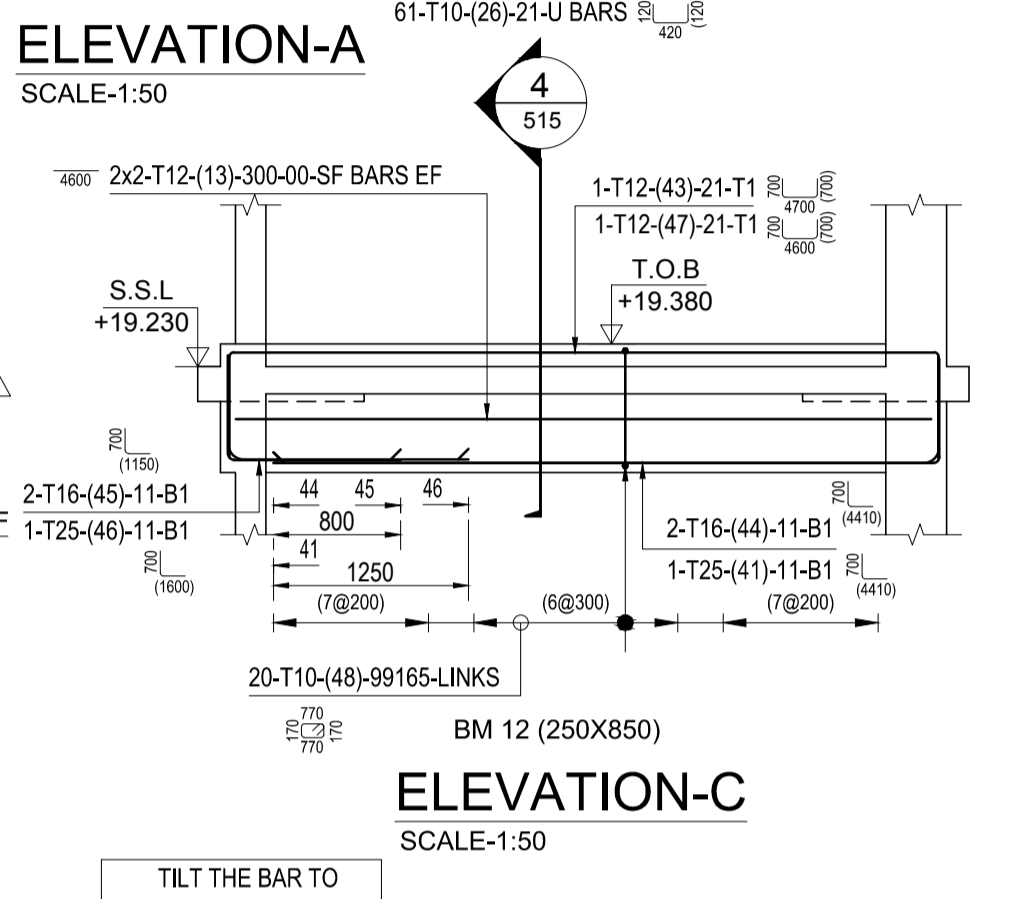
**PLAN VIEW A-A**  
SCALE: 1:50 (BOTTOM REINFORCEMENT ONLY)



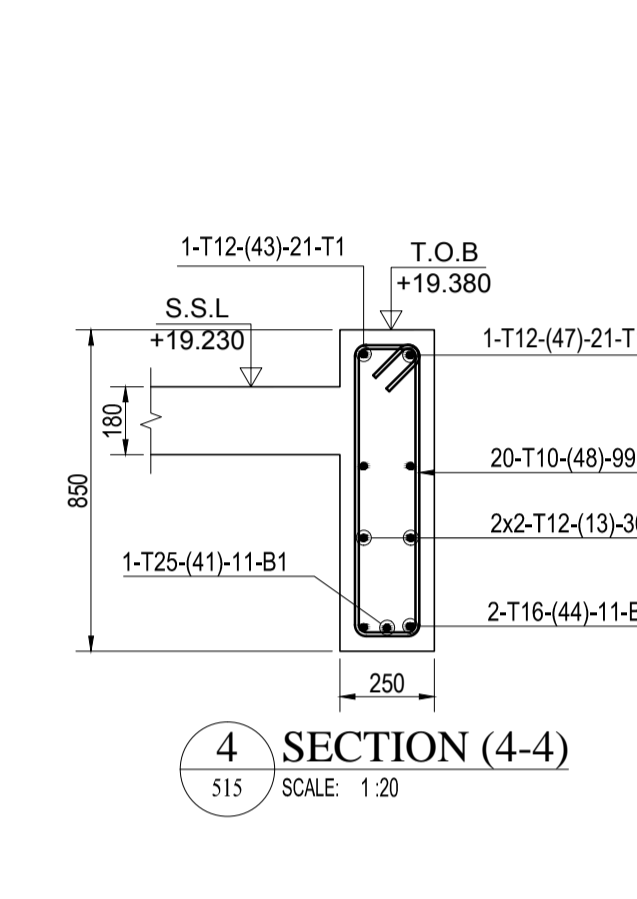
**ELEVATION-B**  
SCALE: 1:50



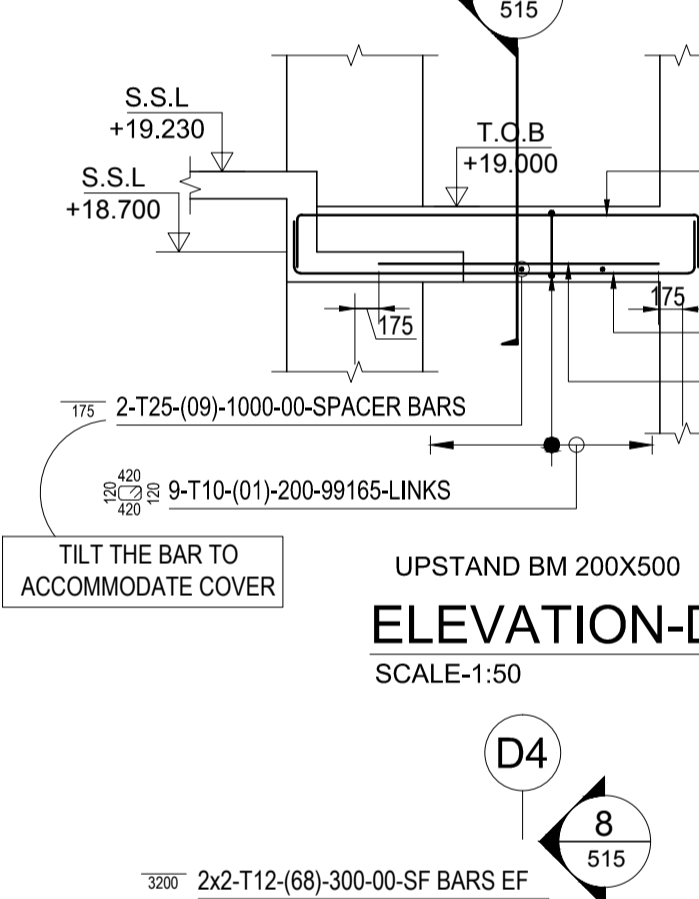
**SECTION (3-3)**  
SCALE: 1:20



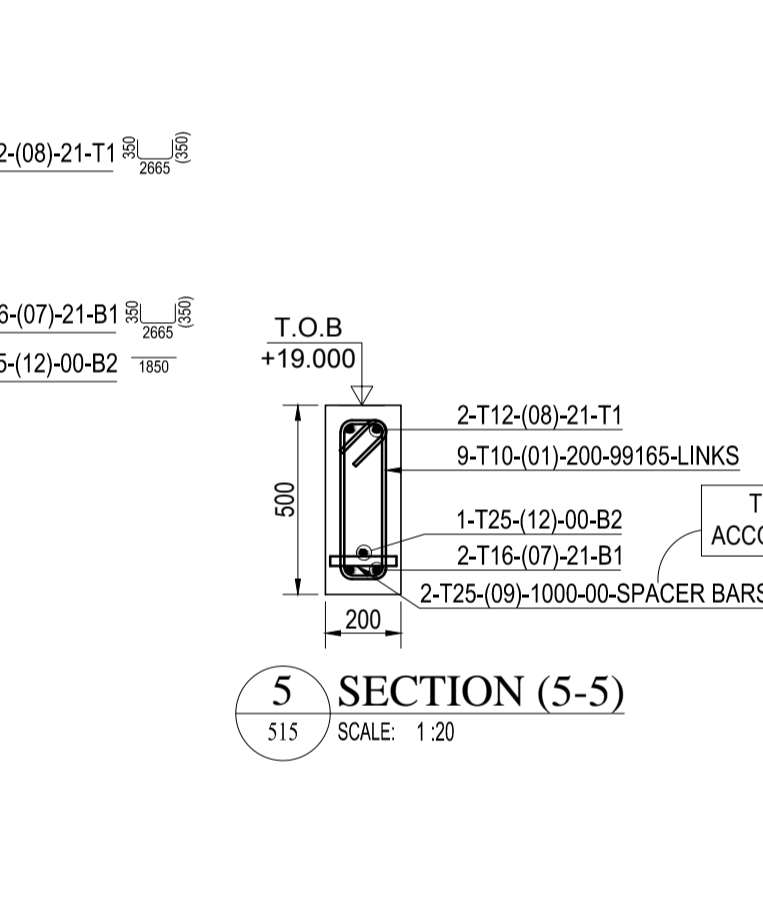
**ELEVATION-C**  
SCALE: 1:50



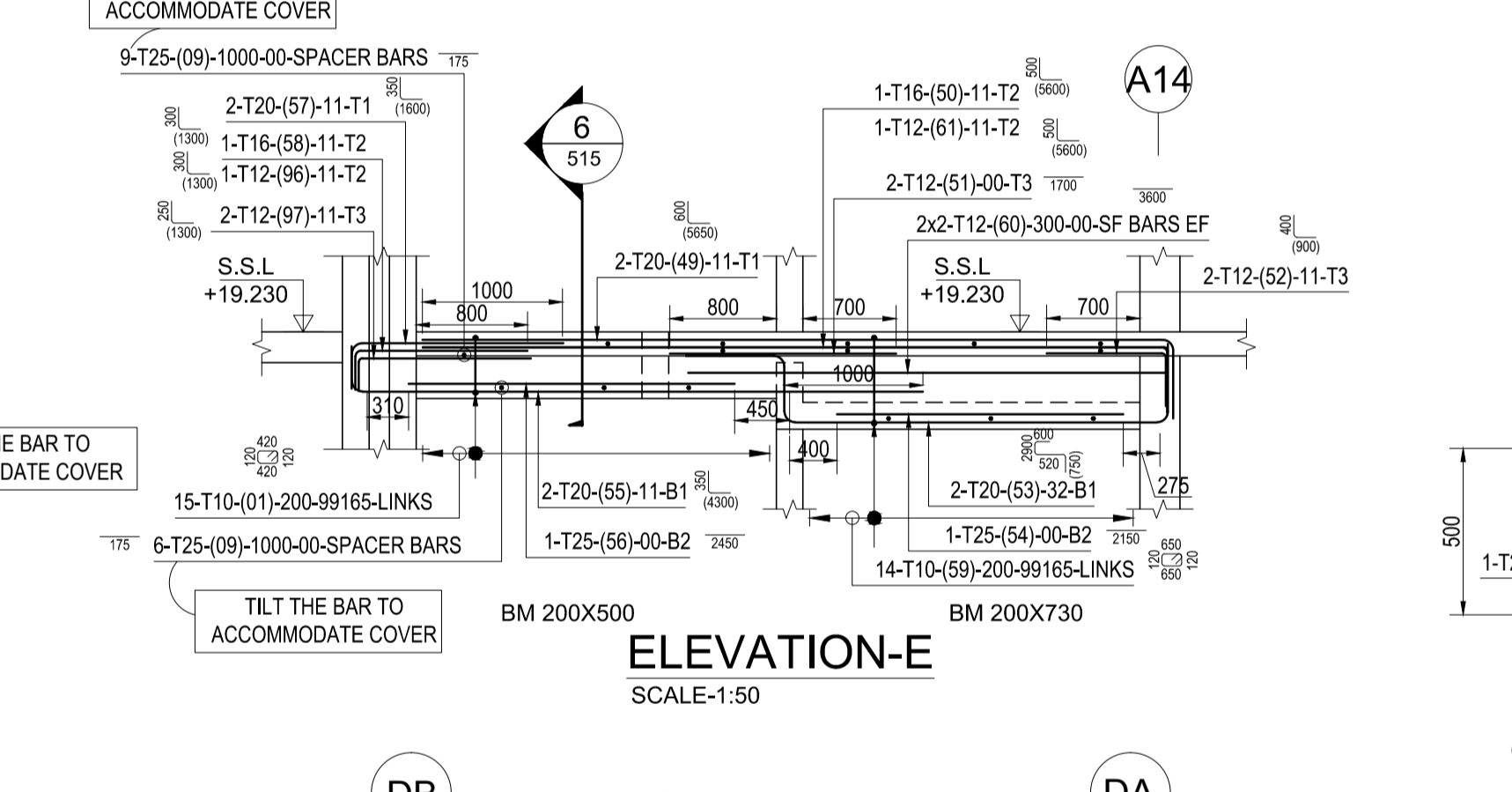
**SECTION (4-4)**  
SCALE: 1:20



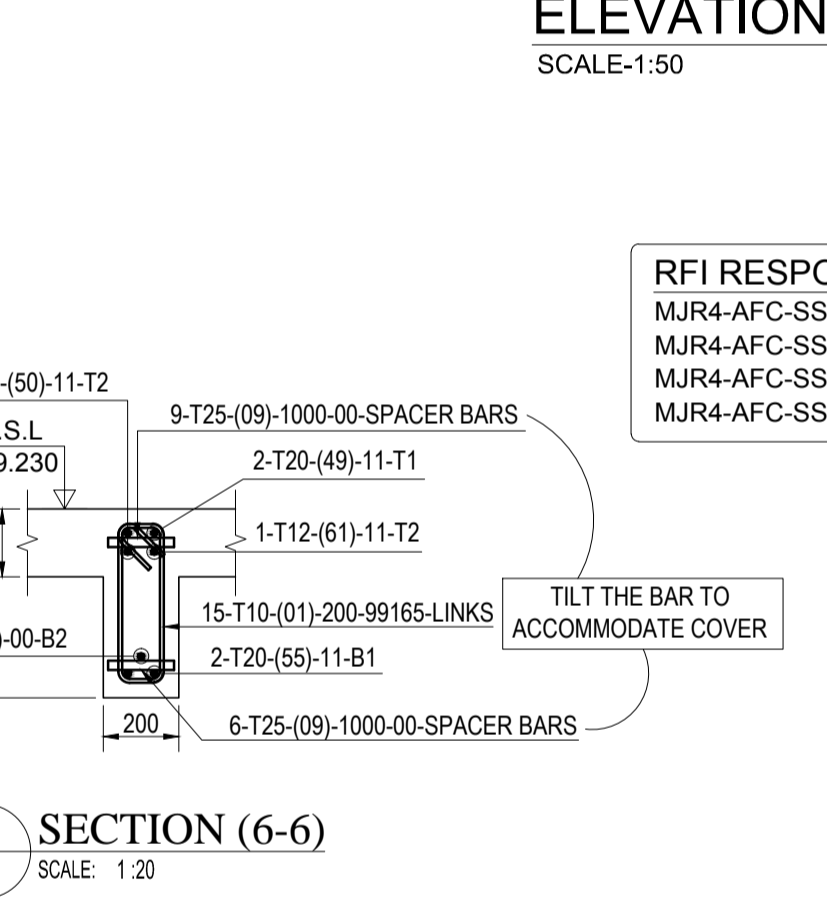
**ELEVATION-D**  
SCALE: 1:50



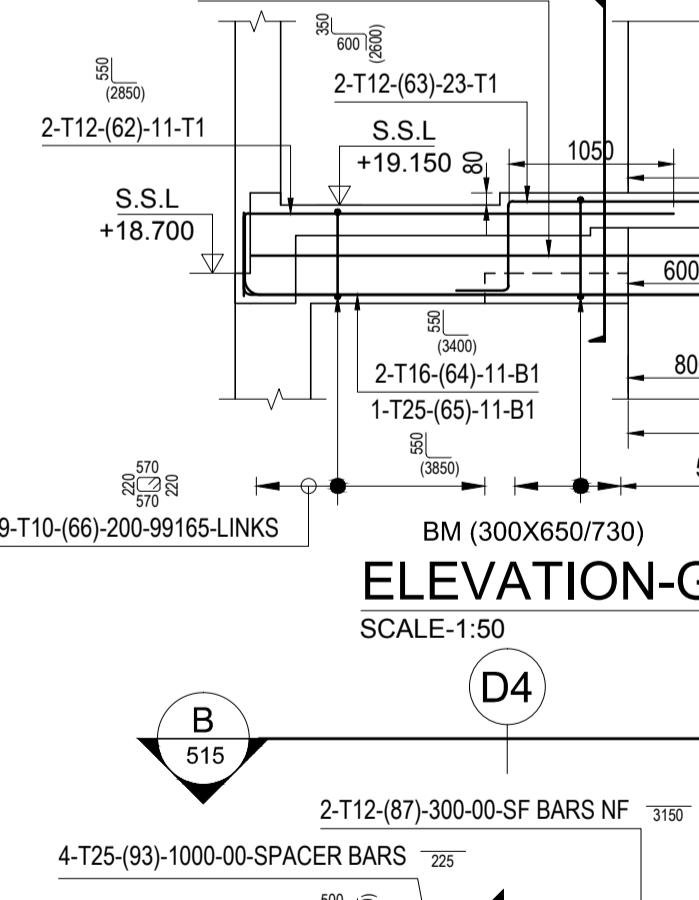
**SECTION (5-5)**  
SCALE: 1:20



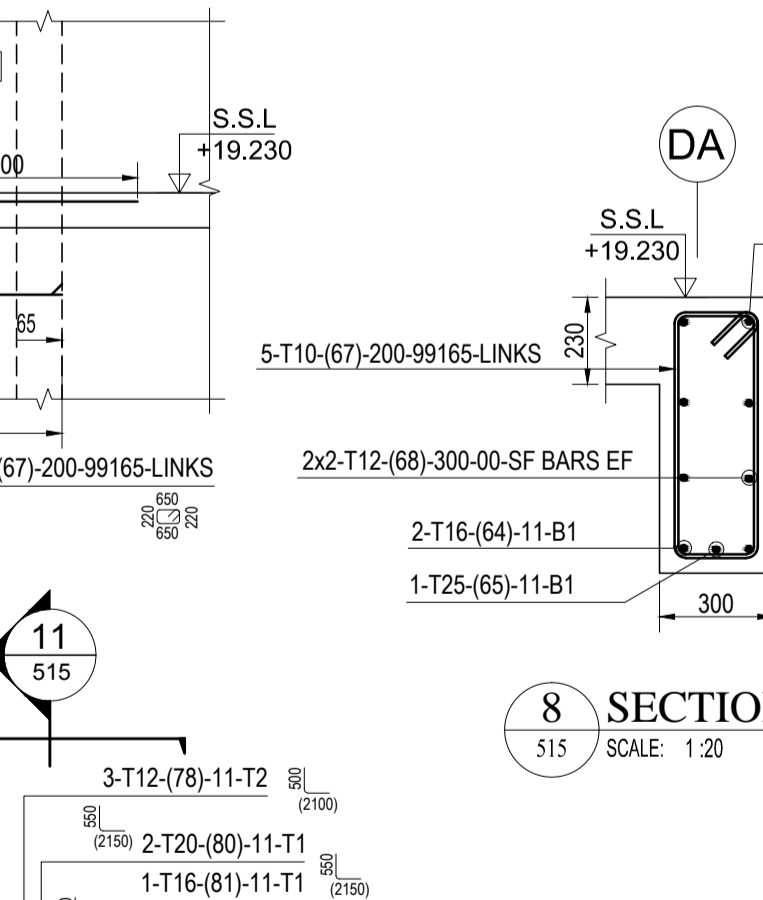
**ELEVATION-E**  
SCALE: 1:50



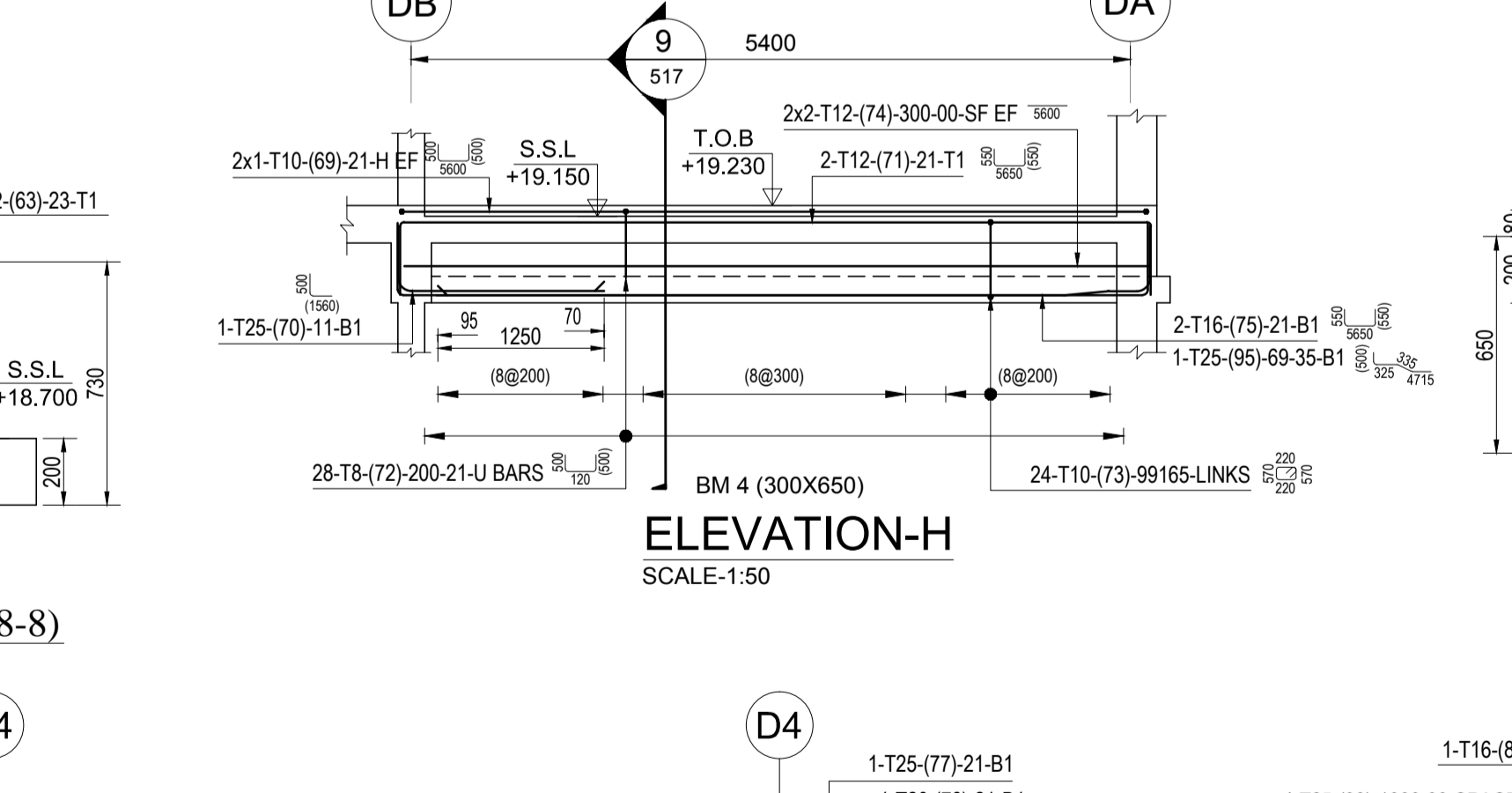
**SECTION (6-6)**  
SCALE: 1:20



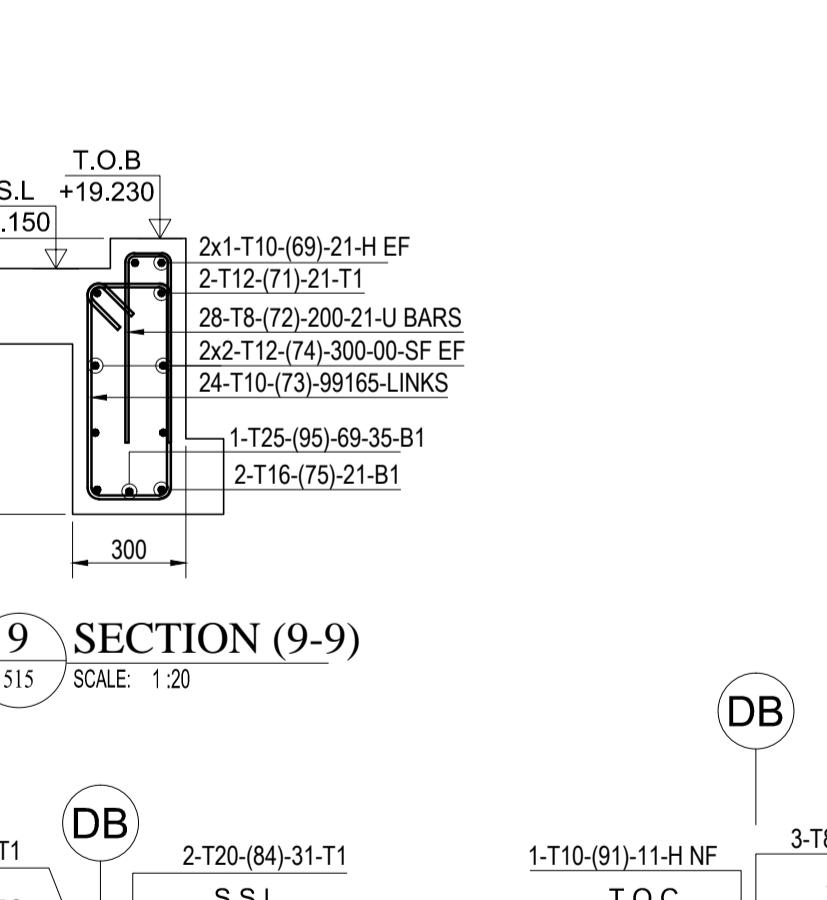
**ELEVATION-G**  
SCALE: 1:50



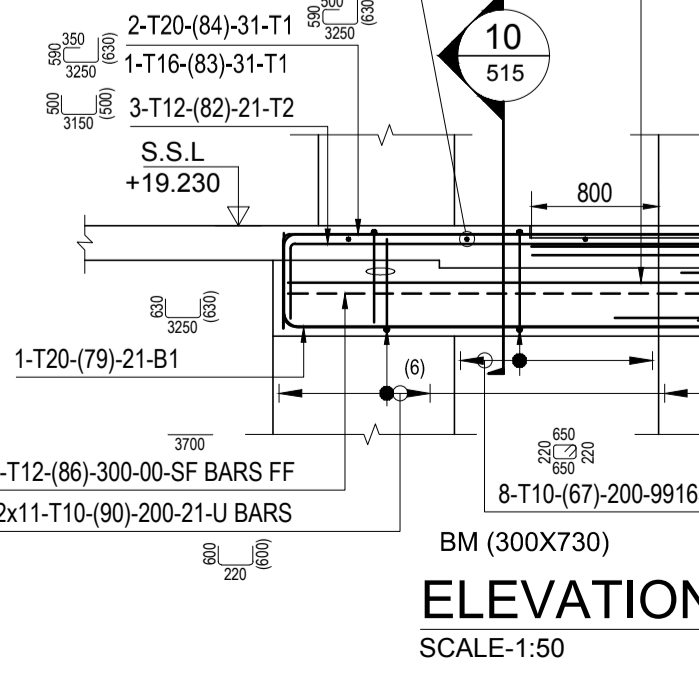
**SECTION (8-8)**  
SCALE: 1:20



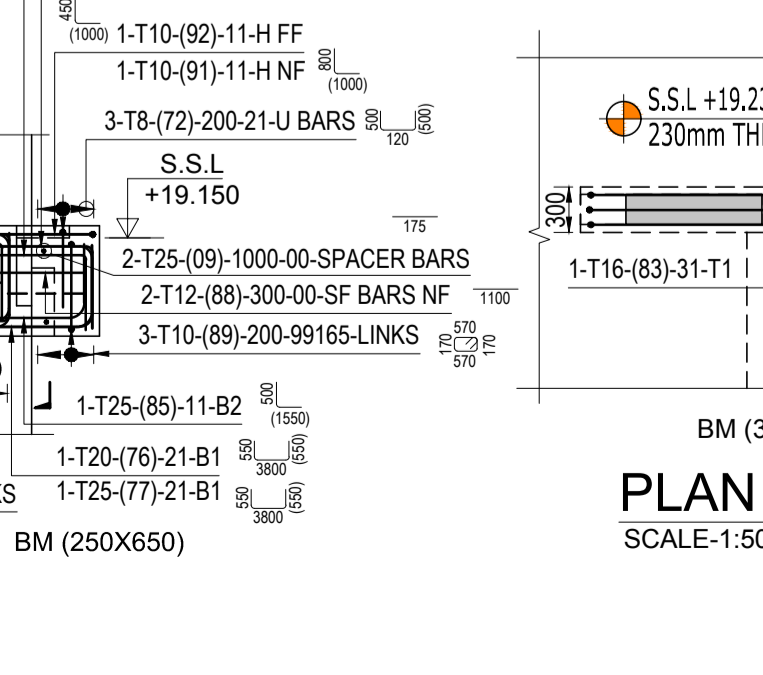
**ELEVATION-H**  
SCALE: 1:50



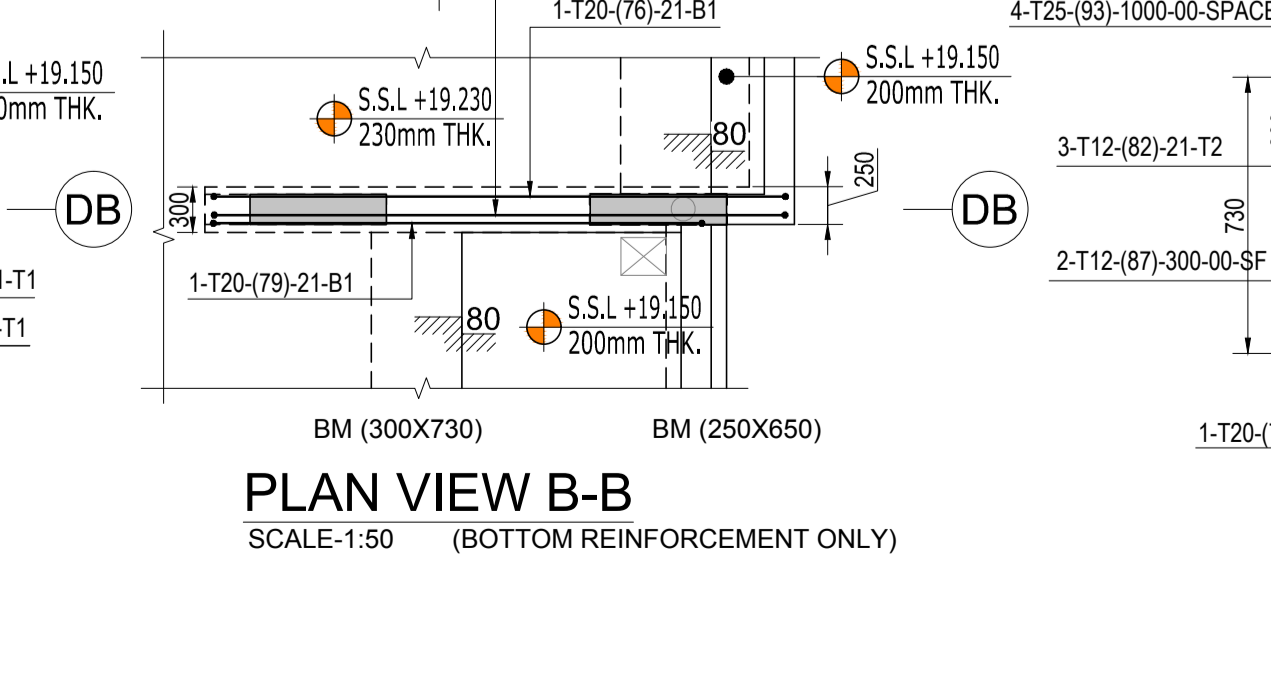
**SECTION (9-9)**  
SCALE: 1:20



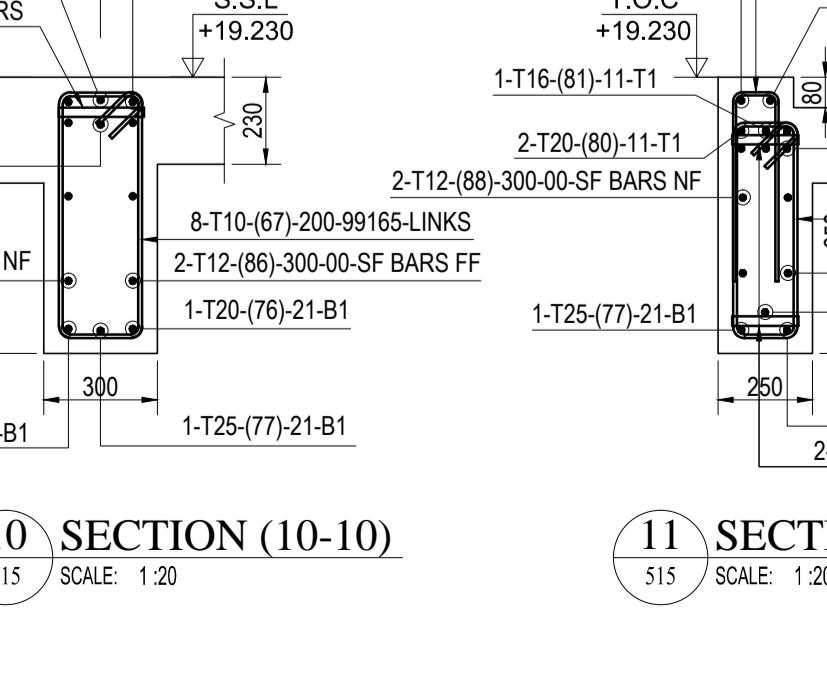
**ELEVATION-I**  
SCALE: 1:50



**PLAN VIEW B-B**  
SCALE: 1:50 (TOP REINFORCEMENT ONLY)



**PLAN VIEW B-B**  
SCALE: 1:50 (BOTTOM REINFORCEMENT ONLY)



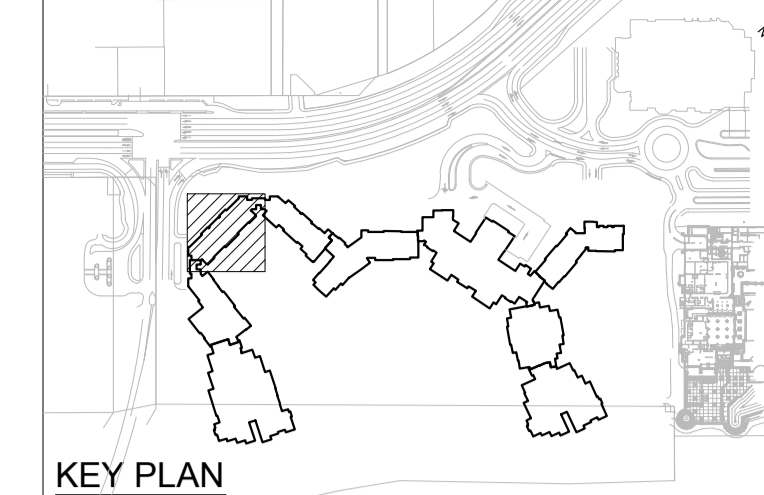
**SECTION (10-10)**  
SCALE: 1:20

**CONTRACT DRAWING REFERENCE:**  
MJR4-AUR-ST-XXAZ-05-007 REV 01  
MJR4-AUR-ST-XXAZ-05-010 REV 01  
MJR4-AUR-ST-XXAZ-05-011 REV 01  
MJR4-AUR-ST-L4Z5-55-405 REV 03  
MJR4-AUR-ST-L4AZ-22-421 REV 03  
MJR4-AUR-ST-XXAZ-05-008 REV 06  
MJR4-AUR-ST-XXAZ-05-009 REV 00

**RFI RESPONSES:**  
MJR4-AFC-SST-RFI-742  
MJR4-AFC-SST-RFI-751  
MJR4-AUR-ST-XXAZ-05-008 REV 06  
MJR4-AFC-SST-RFI-849

**SHOP DRAWING REFERENCE:**  
FOR BUILDING-D LEVEL 04 BEAM REINF. DETAILS  
MJR4-CAD-ST-L4AZ-55-515 TO 518  
FOR BUILDING-D LEVEL 04 SLAB REINF. DETAILS  
MJR4-CAD-ST-L4AZ-55-320 TO 326

**GA DRAWING REFERENCE:**  
BUILDING D&E LEVEL 04 SLAB PLAN DETAILS  
MJR4-CAD-ST-L4AZ-12-411 TO 416



**KEY PLAN**

- Notes:**
- REFER TO GENERAL NOTES DRAWING FOR ALL PROJECT NOTES.
  - STRUCTURAL DRAWINGS SHALL BE READ AND VERIFIED IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING AND OTHER STRUCTURAL DRAWINGS.
  - DO NOT SCALE THE DRAWINGS. ALL DIMENSIONS SHALL BE READ FROM THE DRAWING OR COMPUTED.
  - ELEVATIONS ARE IN METERS. DISTANCES AND REINFORCEMENT BAR SIZES ARE IN MILLIMETERS.
  - ALL LEVELS ARE RELATIVE TO ARCH +0.000 U.O.
  - CLEAR COVER TO REINFORCEMENT INCLUDING LINKS, STIRRUPS, AND TIES SHALL BE AS FOLLOWS:-

	INTERNAL	EXTERNAL
FOUNDATION		
FILE CAPS	40mm to MAIN BAR	75mm to MAIN BAR
COLUMNS	40mm	75mm
BEAMS	40mm	75mm
GROUND BEAMS	40mm	75mm
GROUND SLAB	40mm	75mm
SUSPENDED SLAB	40mm	75mm
RETAINING WALLS	40mm	75mm
WALLS	40mm	75mm
WATER RETAINING STRUCTURE	50mm	50mm

**REVISIONS**

Rev	Explanatory Note	Date	Dra	Chk	App
01	REVISED AS PER COMMENTS	02/04/2015	PRC	YVN	DN
00	FOR APPROVAL	07/03/2015	PRC	YVN	DN

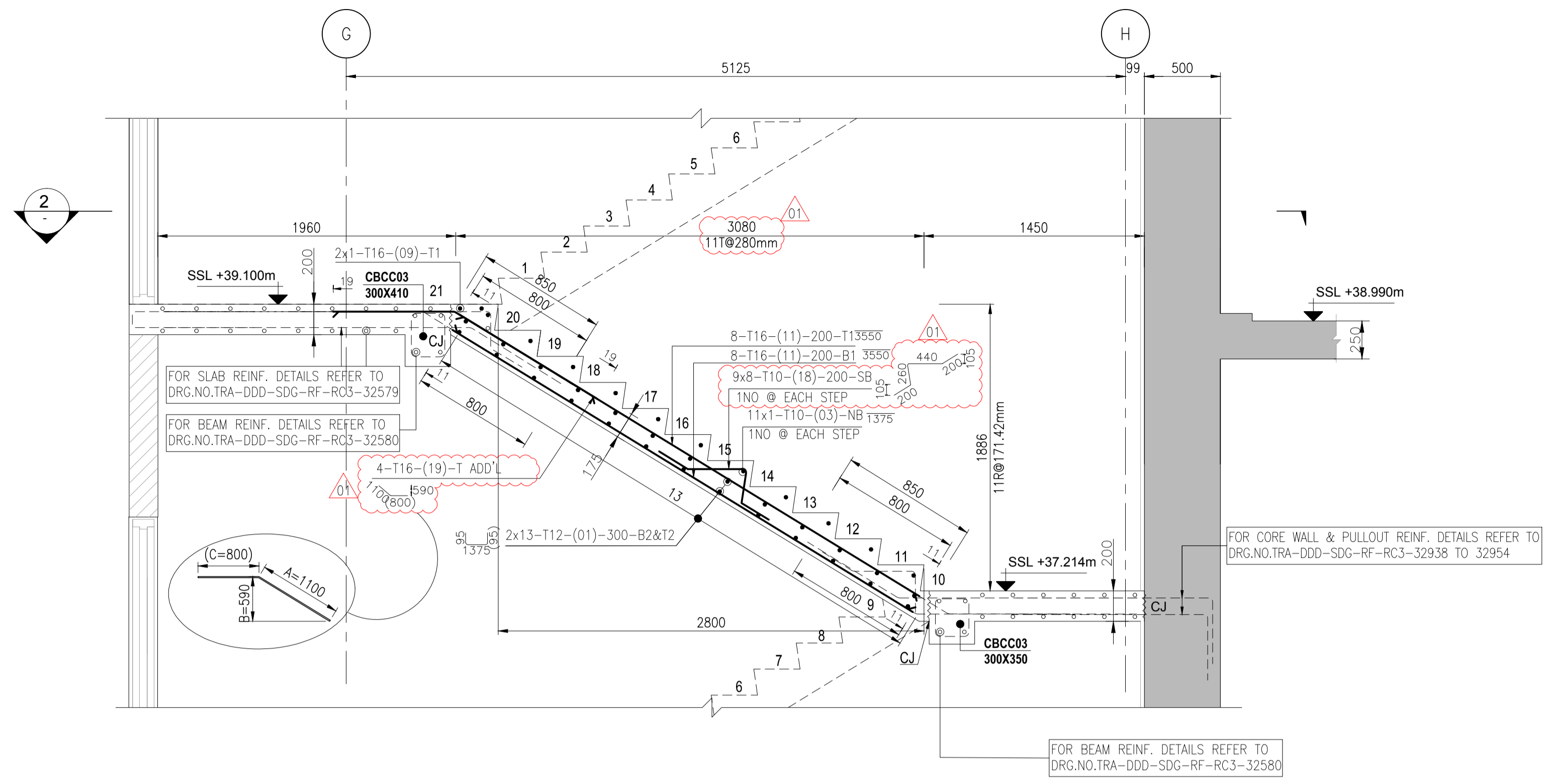
**ABBREVIATIONS**

Legend:	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL	REINFORCEMENT BAR LABEL
	B1	B2	T1	T2	EF	SF	NF	FF	TY
	15 No. IN ONE LAYER	15-T12(04)-200-21-B1	B1 LAYER	SHAPE CODE	SIDE FACE	NEAR FACE	FAR FACE	TYPICAL	STRUCTURAL SLAB LEVEL
	STEEL GRADE AND BAR DIA.	SPACING	BAR MARK						

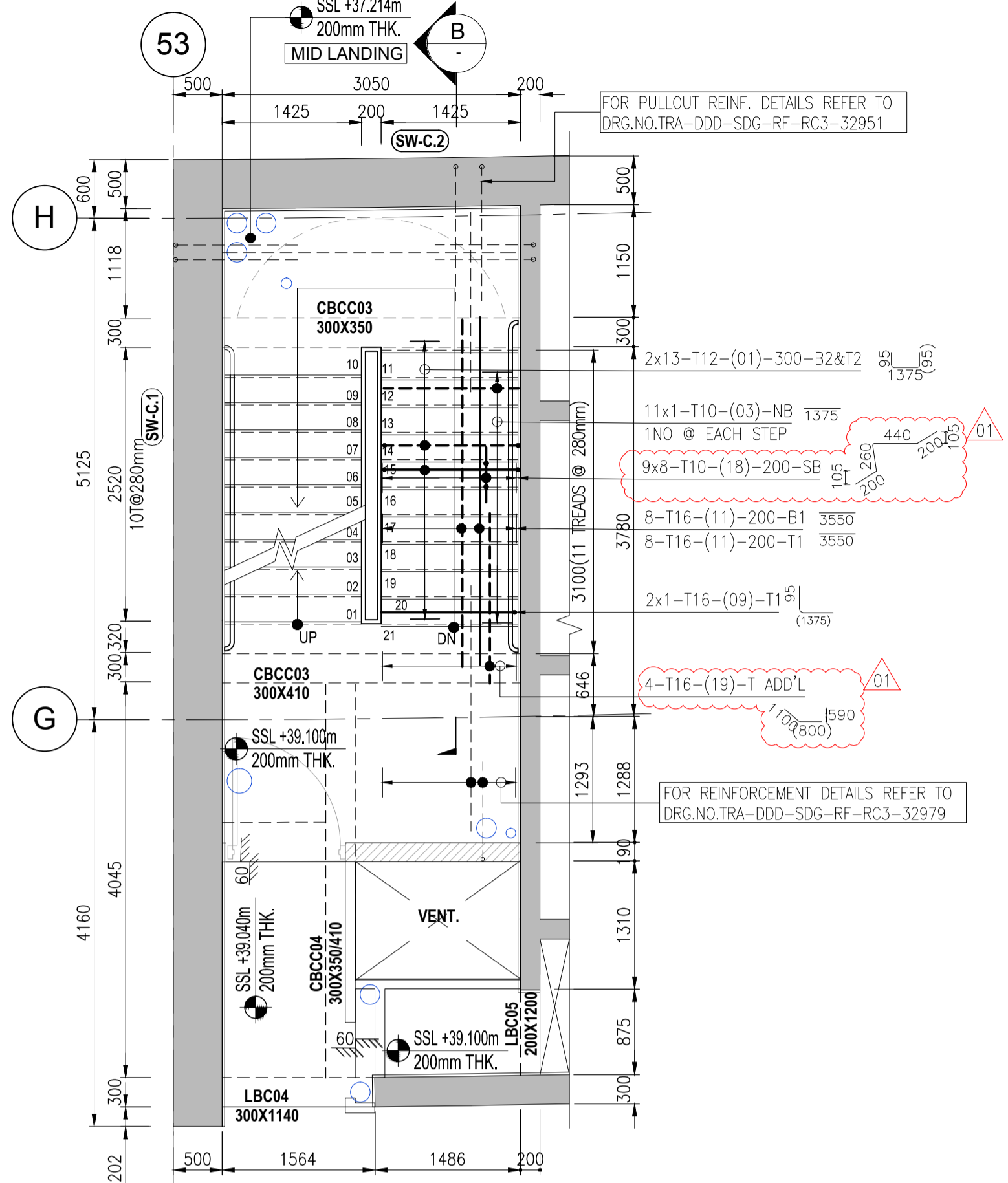


**KEY PLAN**  
SCALE: NTS

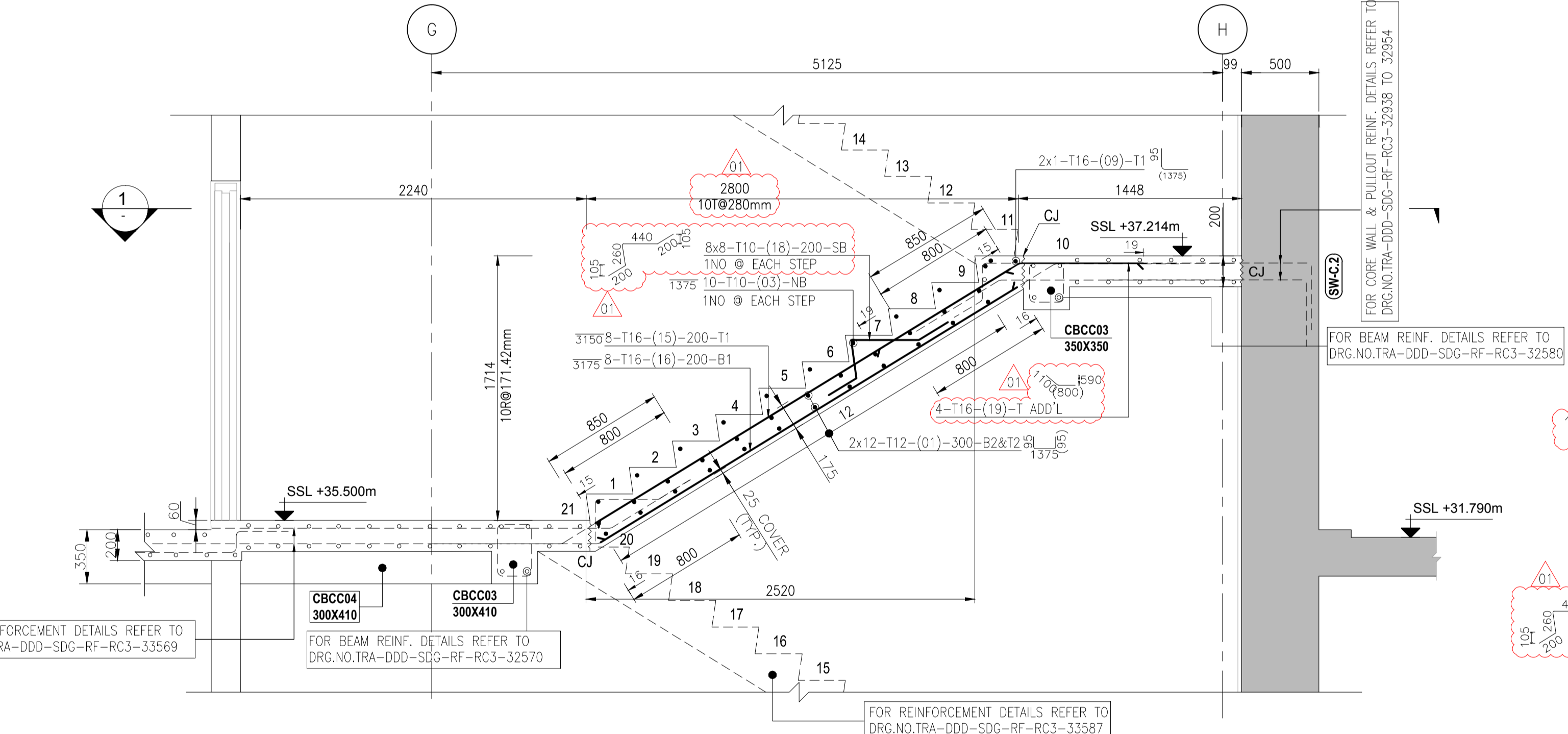




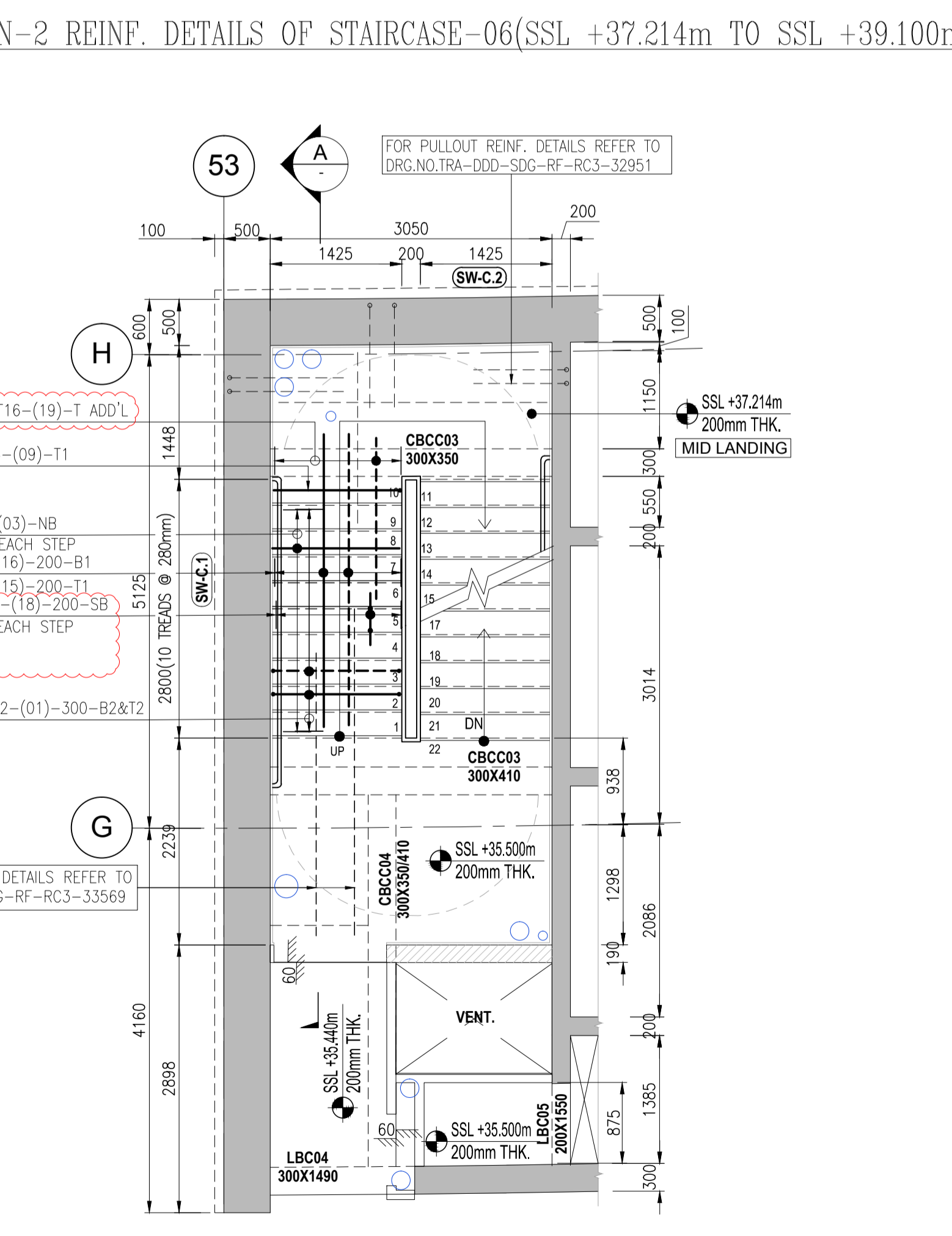
SECTION B  
SCALE 1:25



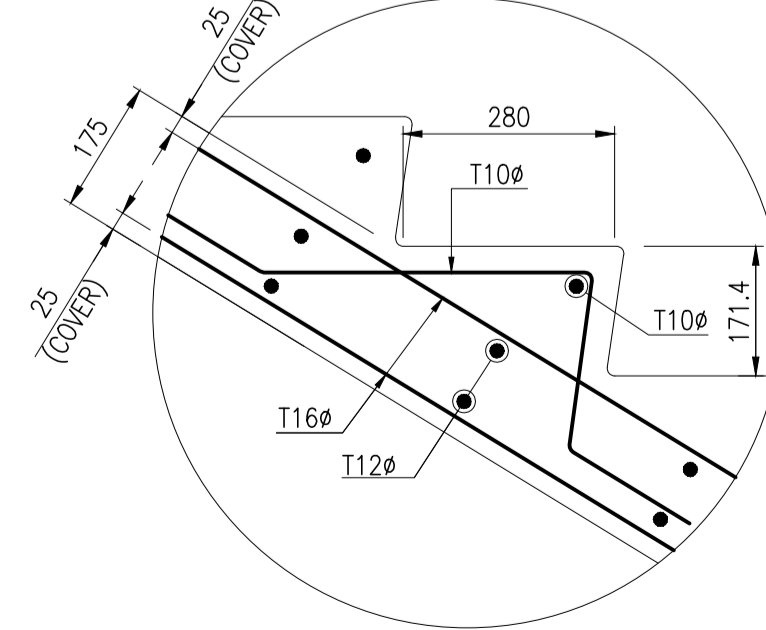
SECTION-2 REINF. DETAILS OF STAIRCASE-06(SSL +37.214m TO SSL +39.100m)  
SCALE 1:50



SECTION A  
SCALE 1:25



SECTION-1 REINF. DETAILS OF STAIRCASE-06(SSL +35.500m TO SSL +37.214m)  
SCALE 1:50

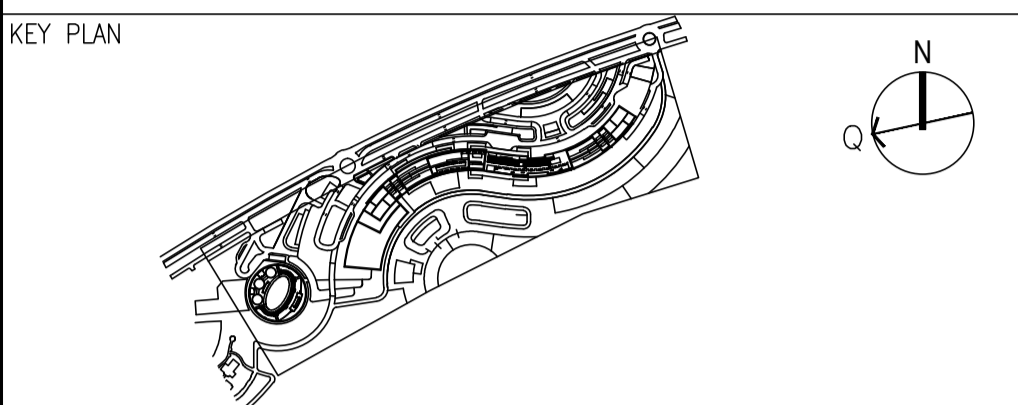


RISER TYPICAL DETAILS  
SCALE 1:10

APPROVAL:

REVIEW STATUS	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D
	APPROVED	APPROVED AS NOTED	REVISE & RESUBMIT	REJECTED
DATE REVIEWED				
REVIEWED BY				

CLIENT:



- GENERAL NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
  - DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. MENTIONED SIZE DRAWING SET IS FULL SIZE.
  - ALL DIMENSIONS AND LEVELS ARE TO BE CONFIRMED AND ANY DISCREPANCIES OR ERRORS, SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
  - ALL CONCRETE EDGES AND CORNER SHOULD BE CHAMFER BY 25mm.
  - CONCRETE GRADES:
    - BAR MARK TO BE READ AS: 2-8 - T12 - 300 - B1
    - C25 BLINDING CONCRETE
    - C50 RC SLAB OUTSIDE TOWER ZONE
    - C50 STRUCTURAL CONCRETE
    - C60 RC SLAB WITH TOWER ZONE
    - C80 FOR CORE WALL
    - STEEL GRADE - 500B
  7. BAR MARK TO BE READ AS: 2-8 - T12 - 300 - B1
- ABBREVIATIONS:
- SSL - STRUCTURAL SLAB LEVEL
  - TBC - TO BE CONFIRMED
  - TYP. - TYPICAL
  - COVER DETAILS:
- SLAB: ALL SIDES - 25 mm
- BEAM: ALL SIDES - 40 mm
- COLUMN: ALL SIDES - 40 mm
- COREWALL: ALL SIDES - 40 mm
- T20 to T40 - COUPLER BARS @ CORE WALL CONNECTIONS

REFERENCE DESIGN DRAWINGS

REFERENCE NUMBER	DATE	TITLE
01-S00-001 Rev. 02	29-11-2016	SUBSTRUCTURE GENERAL NOTES
01-S00-002 Rev. 02	29-11-2016	SUBSTRUCTURE GENERAL NOTES
01-S00-003 Rev. 00	30-06-2016	TYPICAL CORE SLAB REINF. LAYOUT
01-S02-002 Rev. 03	31-11-2016	25TH TO 29TH FLOOR CORE GA AND REINFORCEMENT PLAN
01-S00-004 Rev. 00	30-06-2016	TYPICAL CORE SLAB REINF. LAYOUT
01-S00-005 Rev. 02	11-11-2016	TYPICAL STAIR DETAILS

REFERENCE GA DRAWINGS

REFERENCE NUMBER	DATE	TITLE
TRA-SBU-SDG-CO-RC3-03411-00	21-05-2017	RC3 / R13 CORE WALL PLAN FOR FOURTH AND FIFTH FLOOR LEVEL
TRA-SBU-SDG-CO-RC3-03412-00	11-12-2016	STAR S06 PLANS @ R13/R3
TRA-SBU-SDG-CO-RC3-03413-00	17-01-2017	STAR S06 SECTIONS @ R13/R3
TRA-SBU-SDG-CO-RC3-03390-02	13-08-2017	STAR S06 PLANS @ R13/R3
TRA-SBU-SDG-CO-RC3-03391-02	13-08-2017	STAR S06 SECTIONS @ R13/R3
TRA-SBU-SDG-CO-RC3-03412-00	21-05-2017	RC3 / R13 CORE WALL ELEVATION SW-C1 AND SW-C2
TRA-SBU-SDG-CO-RC3-03448-06	07-02-2017	RC3 / R13 CORE WALL ELEVATION .08 AND ELEVATOR ELEVATION .09

REFERENCE SHOP DRAWINGS

REFERENCE NUMBER	TITLE
TRA-DDD-S04-RF-RC3-33886 Rev. 01	ZONE R13/R3 FOURTH FLOOR TO FIFTH FLOOR STAR S06 REINF. & SECTION DETAILS
TRA-DDD-S04-RF-RC3-33887 Rev. 01	ZONE R13/R3 FIFTH FLOOR TO SIXTH FLOOR STAR S06 REINF. & SECTION DETAILS
TRA-DDD-S04-RF-RC3-33814 TO 33828 Rev. 01	REINFORCEMENT DETAILS OF CORE RC3 CORE WALL @ FOURTH FLOOR TO SIXTH FLOOR
TRA-DDD-S04-RF-RC3-33869 Rev. 01	6TH FLOOR R13/R3 INTERNAL CORE WALL RC SLAB REINFORCEMENT AND SECTION DETAILS
TRA-DDD-S04-RF-RC3-33870 Rev. 01	6TH FLOOR R13/R3 INTERNAL CORE WALL BEARS REINFORCEMENT AND SECTION DETAILS
TRA-DDD-S04-RF-RC3-33879 & 33880 Rev. 01	7TH FLOOR R13/R3 INTERNAL CORE WALL RC SLAB & BEAM REINF. AND SECTION DETAILS

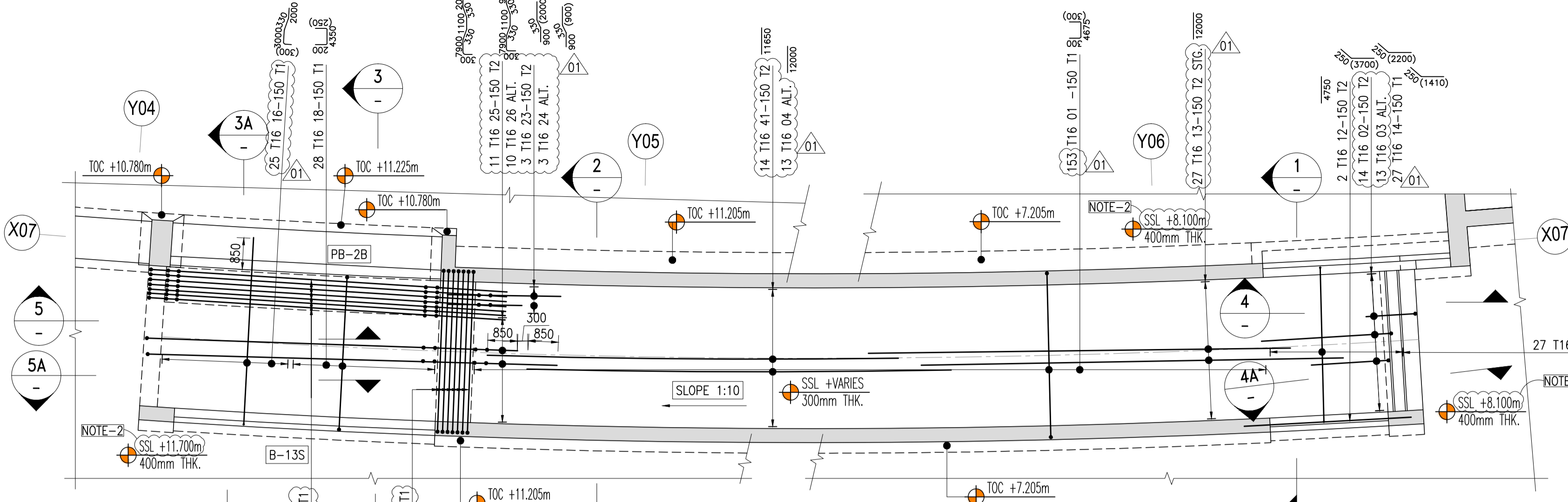
RELATED DOCUMENTS

REFERENCE NUMBER	TITLE
TRA-SBU-RFI-CO-000-00414	BASEMENT STAIR RFI RESPONSE

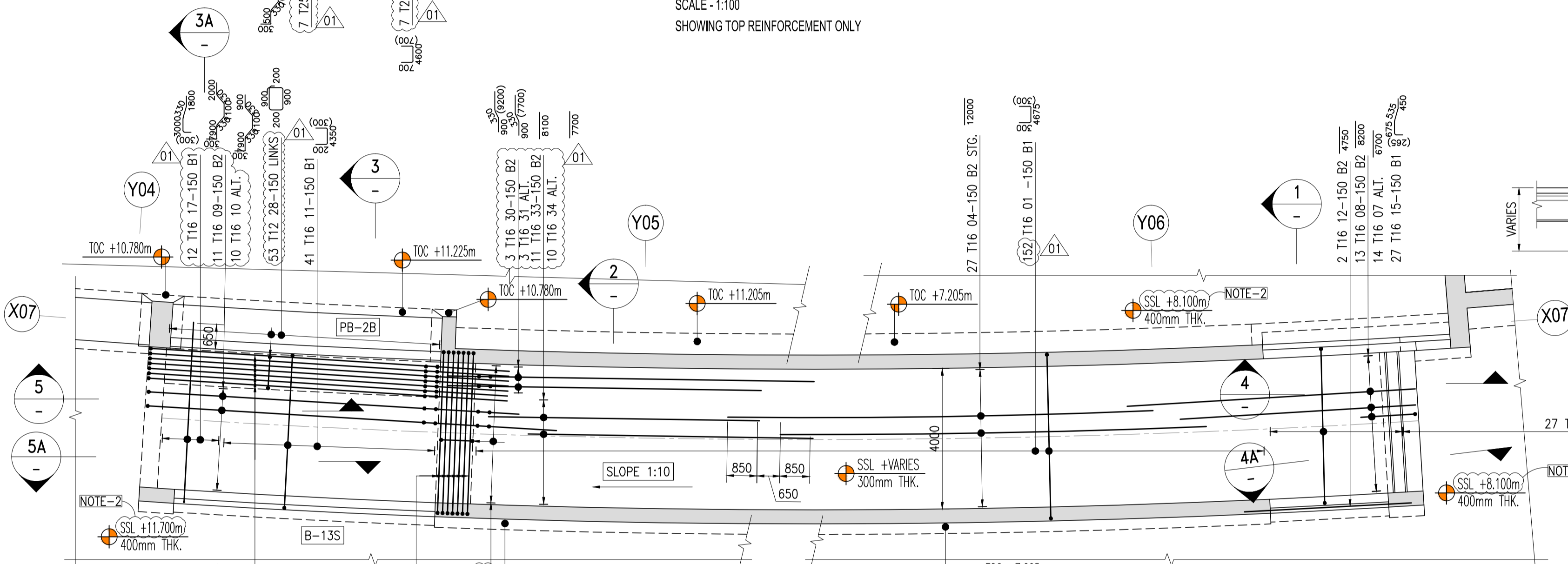
REV	DATE	DESCRIPTION	DRN	CHK	APP
01	11/10/2017	REVISED AS PER COMMENTS & LATEST DESIGN	SRS	RKP	RS
00	24/05/2017	ISSUED FOR APPROVAL	SRS	RKP	RS

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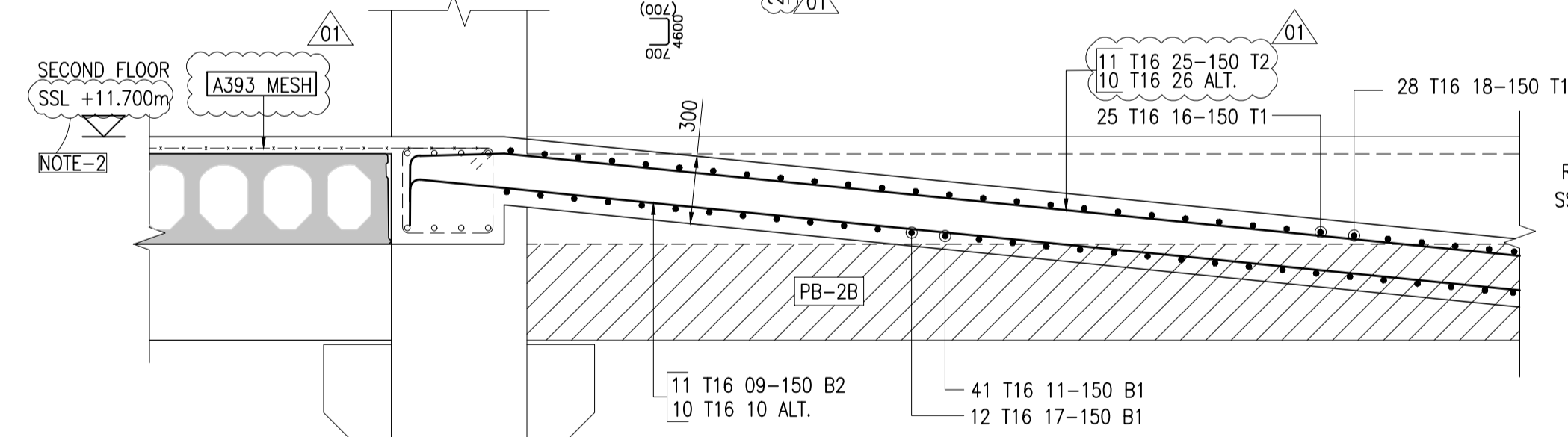




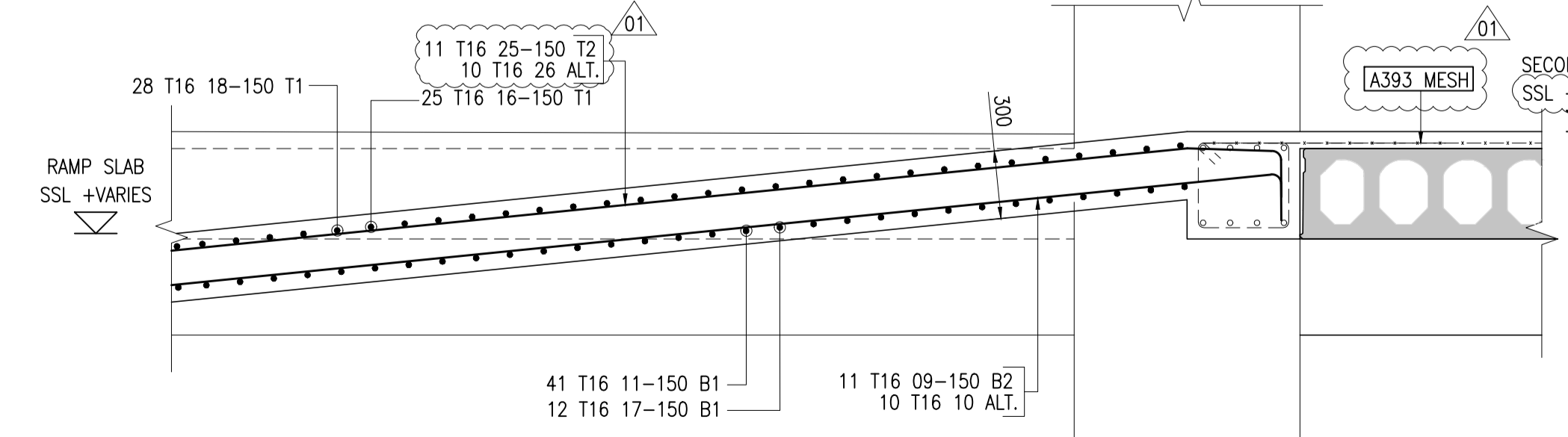
**RAMP SLAB - PLAN**  
SCALE - 1:100  
SHOWING TOP REINFORCEMENT ONLY



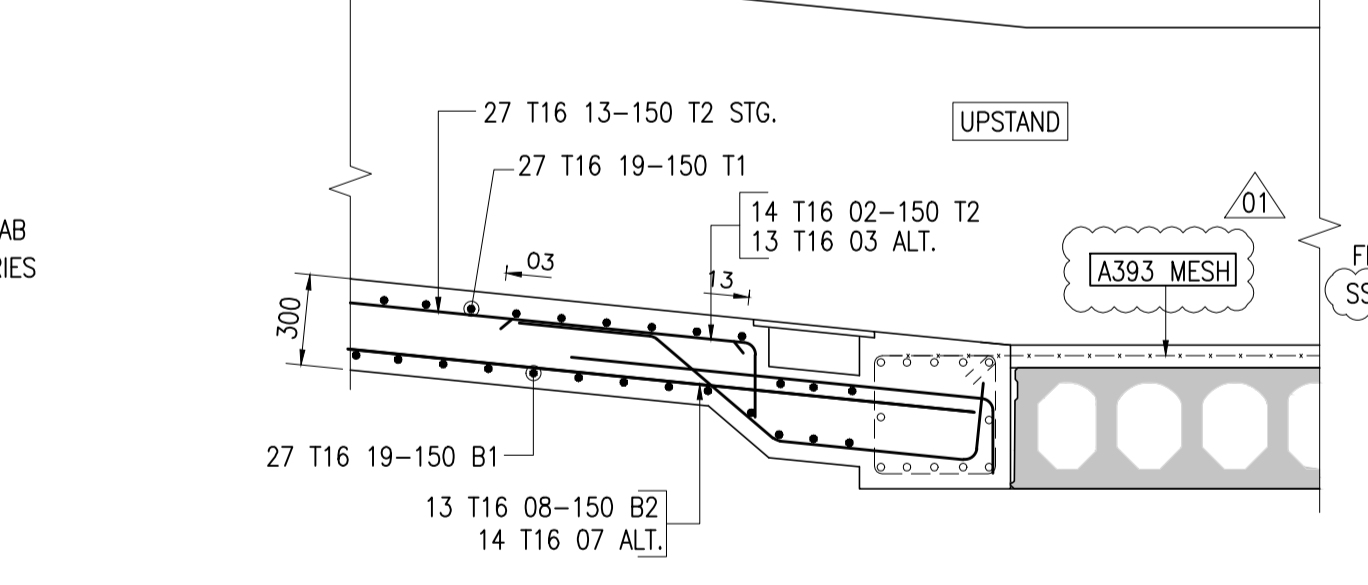
**RAMP SLAB - PLAN**  
SCALE - 1:100  
SHOWING BOTTOM REINFORCEMENT ONLY



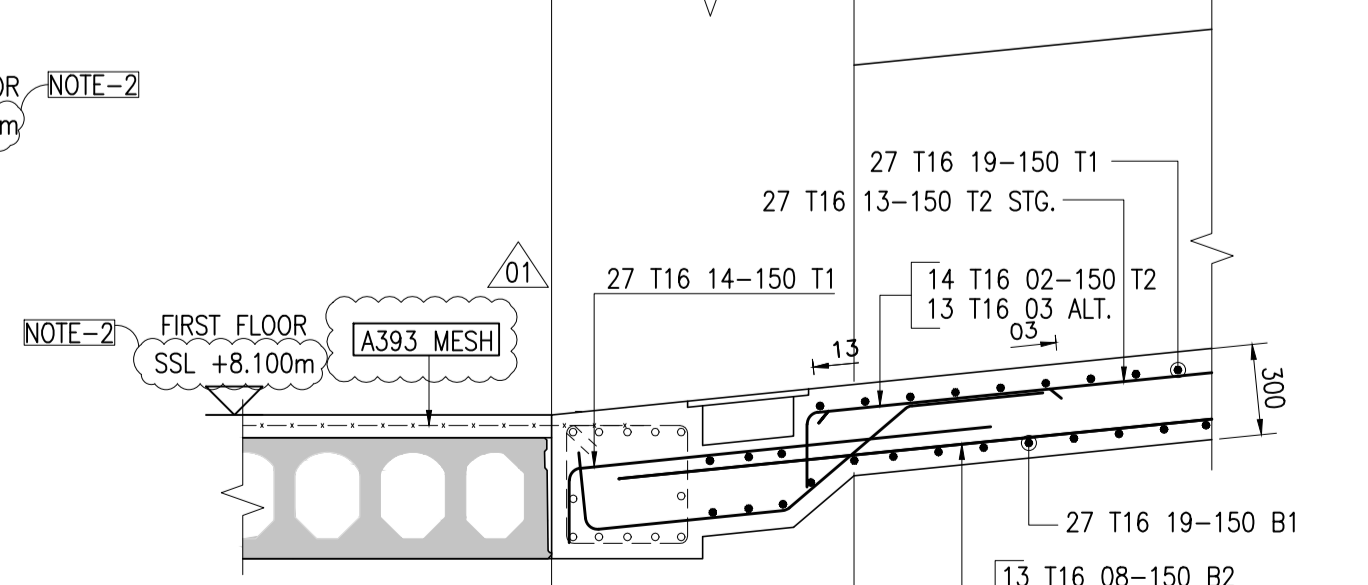
**SECTION 5**  
SCALE 1:25



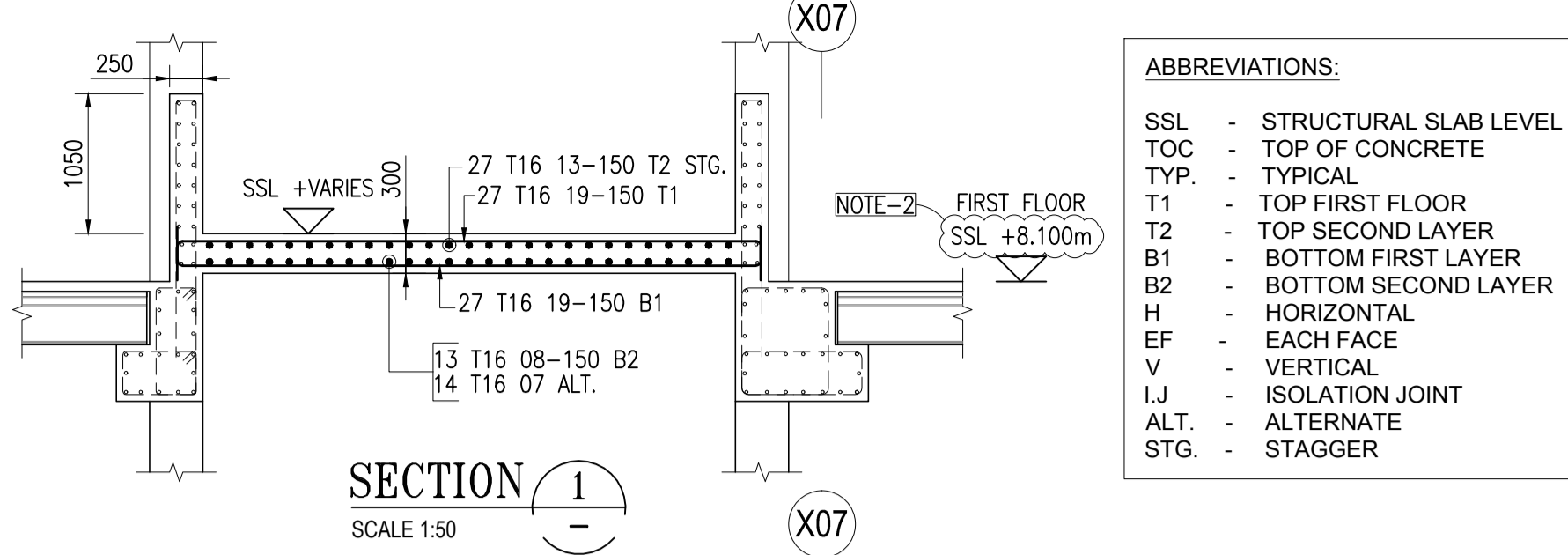
**SECTION 5A**  
SCALE 1:25



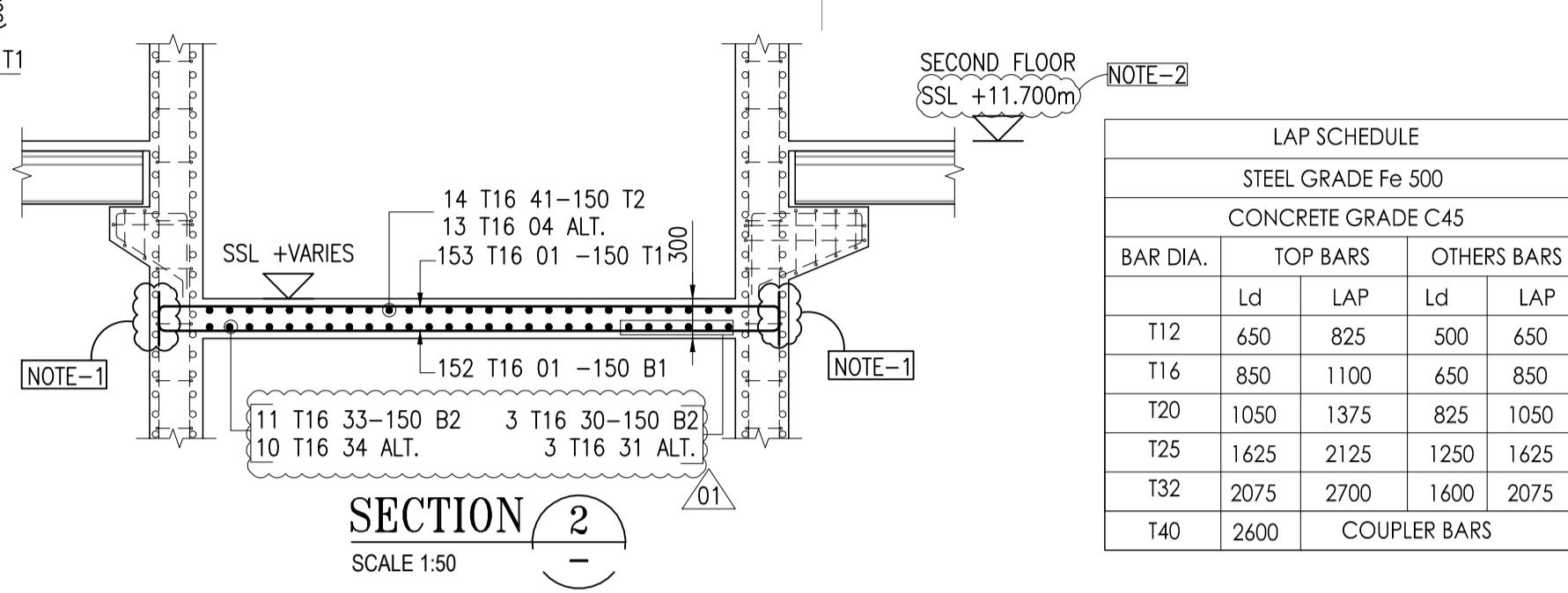
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SCALE 1:25



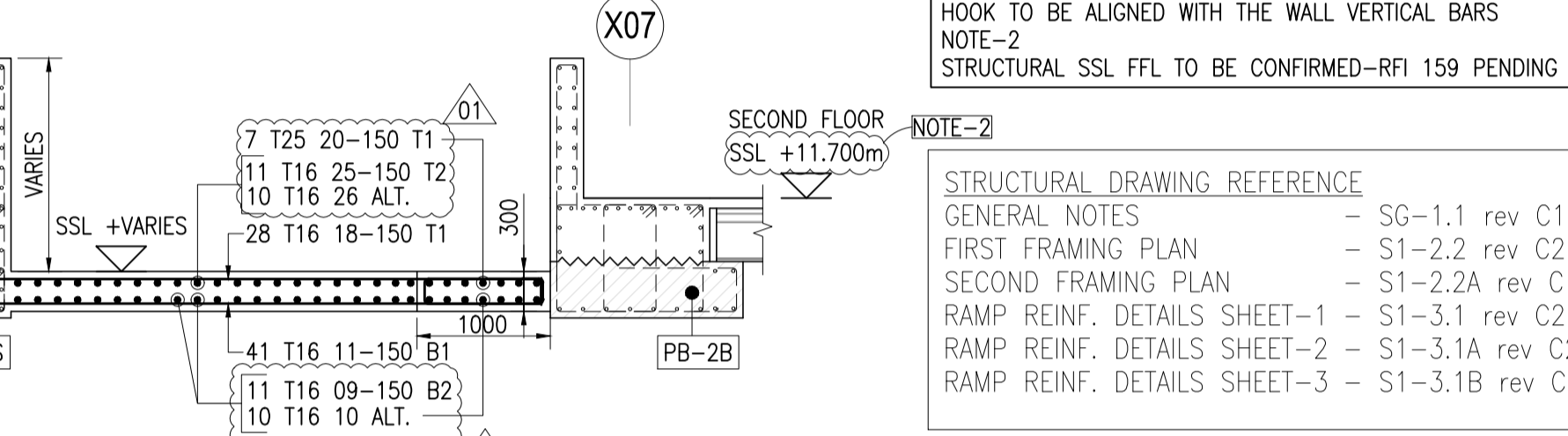
**SECTION 4A**  
SCALE 1:25



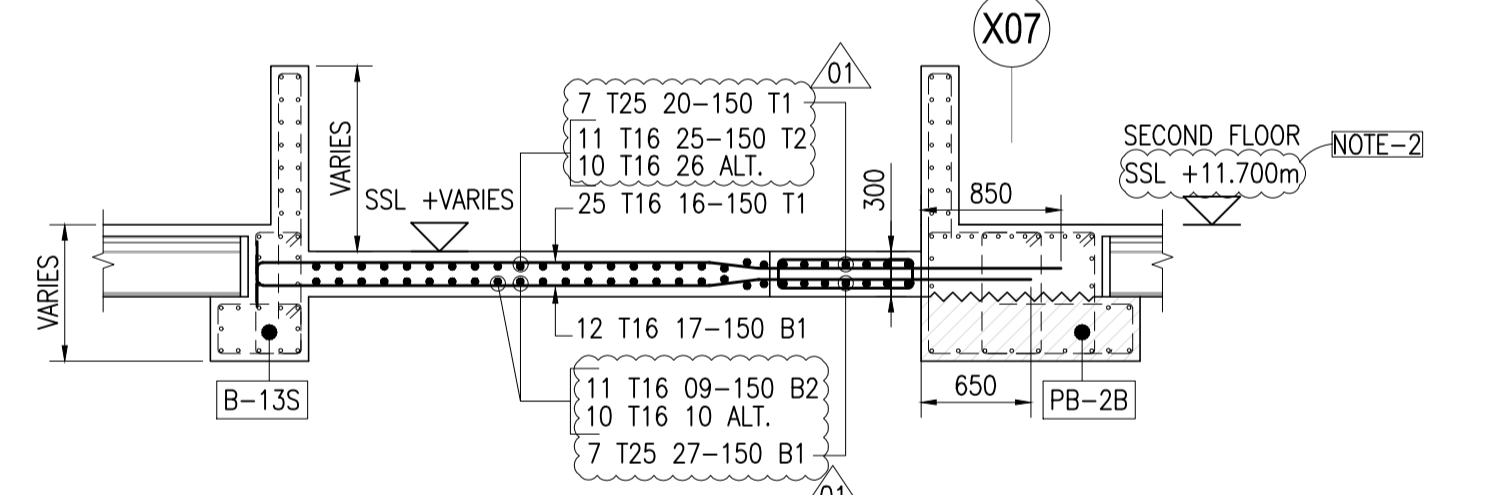
**SECTION 1**  
SCALE 1:50



**SECTION 2**  
SCALE 1:50

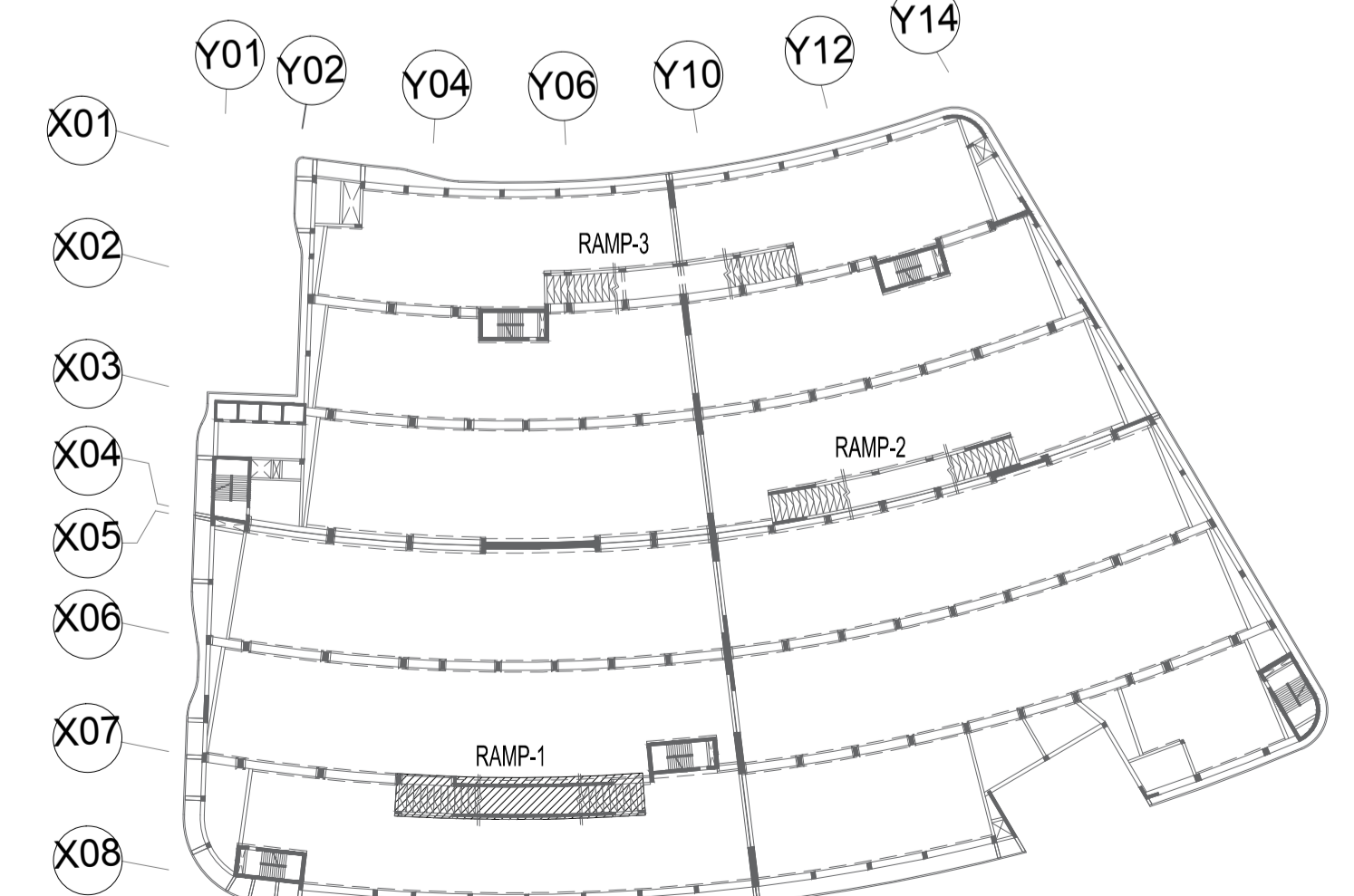


**SECTION 3**  
SCALE 1:50



**SECTION 3A**  
SCALE 1:50

FOR RAMP GENERAL ARRANGEMENT DETAILS REFER DRG. NO: DWTC-ECCM-CADS-SGN-DRG-4612 & DWTC-ECCM-CADS-SRC-DRG-4613



**KEY PLAN**  
NTS

**ABBREVIATIONS:**

- SSL - STRUCTURAL SLAB LEVEL
- TOC - TOP OF CONCRETE
- TYP. - TYPICAL
- T1 - TOP FIRST FLOOR
- T2 - TOP SECOND LAYER
- B1 - BOTTOM FIRST LAYER
- B2 - BOTTOM SECOND LAYER
- H - HORIZONTAL
- EF - EACH FACE
- V - VERTICAL
- I,J - ISOLATION JOINT
- ALT. - ALTERNATE
- STG. - STAGGER

**LAP SCHEDULE**

STEEL GRADE Fe 500			
CONCRETE GRADE C45			
BAR DIA.	TOP BARS	OTHERS BARS	LAP
T12	650	825	500
T16	850	1100	650
T20	1050	1375	825
T25	1625	2125	1250
T32	2075	2700	1600
T40	2600	COUPLER BARS	

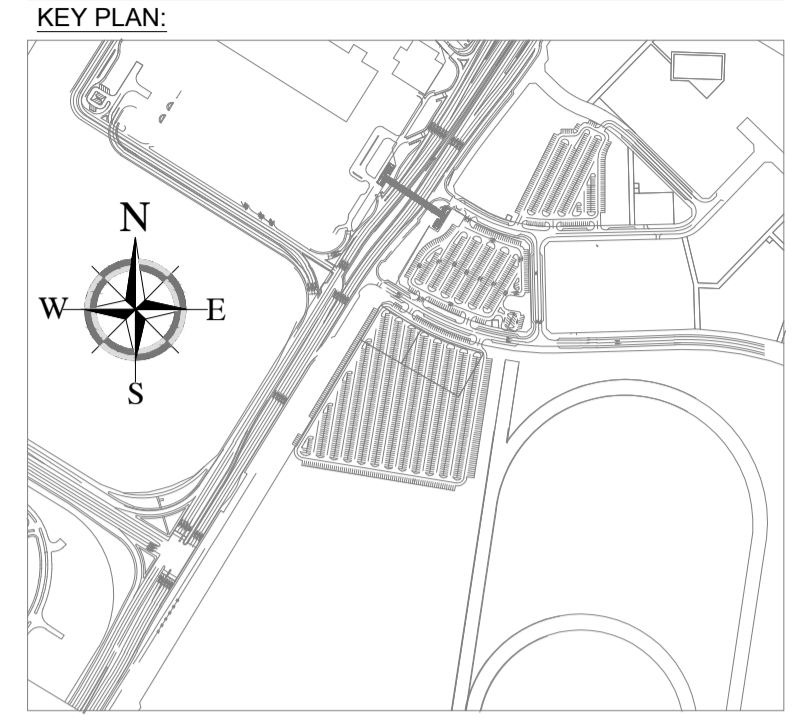
**STRUCTURAL DRAWING REFERENCE**

GENERAL NOTES	- SG-1.1 rev C1
FIRST FRAMING PLAN	- S1-2.2 rev C2
SECOND FRAMING PLAN	- S1-2.2A rev C1
RAMP REINF. DETAILS SHEET-1	- S1-3.1 rev C2
RAMP REINF. DETAILS SHEET-2	- S1-3.1A rev C2
RAMP REINF. DETAILS SHEET-3	- S1-3.1B rev C1

**SHOP DRAWING REFERENCE**

- FOR FIRST FLOOR BEAM REINF. DETAILS REFER DRG. NO: DWTC-ECCM-CADS-SRC-DRG-4989 TO DWTC-ECCM-CADS-SRC-DRG-5000 & DWTC-ECCM-CADS-SRC-DRG-7051 TO DWTC-ECCM-CADS-SRC-DRG-7054
- FOR SECOND FLOOR BEAM REINF. DETAILS REFER DRG. NO: DWTC-ECCM-CADS-SRC-DRG-4745 TO DWTC-ECCM-CADS-SRC-DRG-4760
- FOR FIRST TO SECOND FLOOR COLUMN REINF. DETAILS REFER DRG. NO: DWTC-ECCM-CADS-SRC-DRG-4875

- NOTES**
- NO DIMENSIONS ARE TO BE SCALED
  - ALL DIMENSIONS ARE TO BE CHECKED AND CORRELATED WITH OTHER DRAWINGS PRIOR TO WORK COMMENCING ON SITE
  - DRAWINGS TO BE READ IN CONJUNCTION WITH WRITTEN SPECIFICATION. IN THE EVENT OF ANY DISPARITY BETWEEN DRAWINGS AND WRITTEN SPECIFICATION, IT IS THE CONTRACTORS RESPONSIBILITY TO BRING THIS TO THE ATTENTION OF THE ENGINEER.

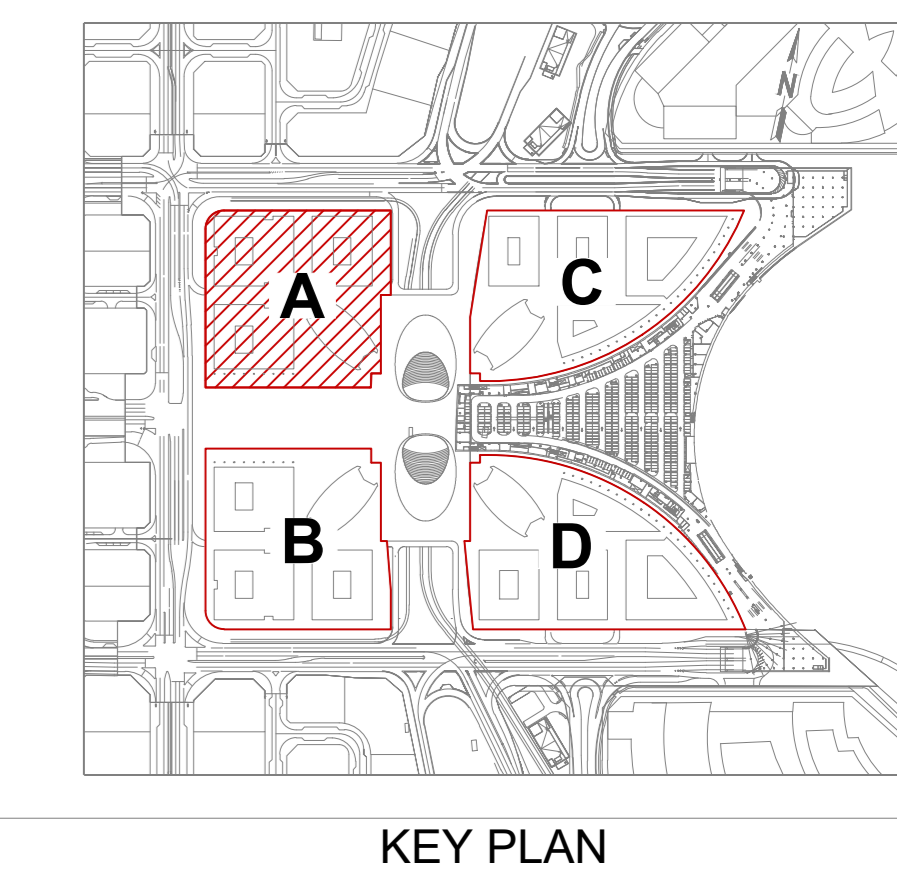


- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METERS UNLESS NOTED OTHERWISE
  - BAR MARK TO BE READ AS : 2x8 - T12 - 30 - 200 - T1  
TWO FACE BARS  
NUMBER OF BARS  
DIA OF BARS IN mm  
BAR MARK  
SPACING OF BARS IN mm  
INDICATES BAR LAYER
  - COVER  
ALL SIDES - 50mm
  - CONCRETE GRADE:  
RAMP BEAMS & SLAB - C45  
COLUMN, LIFT CORE & SHEAR WALL - C50
  - ALL REINFORCEMENT BARS ARE TO BE DEFORMED ROUND STEEL BARS TYPE 2 GRADE 500 COMPLYING WITH THE REQUIREMENT OF BS 4449:2005 SPECIFICATION

Rev.	Description	Date	Drawn	Check	Approved
01	Beams added between grid location Y04 & Y05 & Revised as per comments	20/10/2017	BMT	VYG	STEVEN
00	For Approval	31/07/2017	BMT	VYG	STEVEN

Drawing Status





- NOTES:-**
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - ALL LEVELS ARE IN METERS.
  - GRADE OF REINFORCING STEEL  $F_y = 500 \text{ N/mm}^2$
  - GRADE OF CONCRETE  $f_{ck} = \text{C50/C60 MPa}$  (Cylinder strength/Cube strength)
  - LAP LENGTH REFER TABLE
  - COVER TO REBAR 50 mm
- NOTATION OF REINFORCEMENT BAR.**
- 
- TWO FACE BARS  
 NUMBER OF BARS  
 DIA OF BARS in mm  
 BAR MARK  
 SPACING OF BARS in mm  
 INDICATES BAR LAYER

- Drawing Approval Status**
- A - APPROVED (Consultant / Contractor May Proceed)
  - B - APPROVED WITH COMMENTS (Comments Shall be actioned to achieve A before construction Utilization)
  - C - REVISE AND RESUBMIT (Resubmission required)
  - D - REJECTED (Not Required)
  - E - FOR INFORMATION ONLY
- Name: \_\_\_\_\_  
Date: \_\_\_\_\_

DEPARTMENT	COMPANY	INITIAL	SIGNATURE
ARCHITECTURAL	MMJV	OSA	<i>[Signature]</i>
STRUCTURAL	MMJV	EE	<i>[Signature]</i>
ELECTRICAL	MMJV	EE	<i>[Signature]</i>
MECHANICAL	MMJV	EE	<i>[Signature]</i>
OTHERS			

**REFERENCES**

PHASE	DRAWING NUMBER	TITLE	Rev.	DATE
	9204-BP12A-MMJV-FC-DT-NS-000-0002	ABBREVIATION & SYMBOLS	000	21/04/20
	9204-BP12A-MMJV-FC-DT-NS-000-0003 TO 05	STANDARD NOTES SHEET 1 TO 3	000	21/04/20
	9204-BP12A-MMJV-FC-DT-NS-000-0008	STANDARD COLUMN DETAILS	000	21/04/20
	9204-BP12A-MMJV-FC-DT-NS-000-0145	COLUMN REIN. SCHEDULE PODIUM B01 TO L02	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0146	COLUMN REIN. SCHEDULE PODIUM B01 TO L02	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0147	COLUMN REIN. SCHEDULE PODIUM B01 TO L02	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0109	PODIUM 1 BASEMENT B1 GA PLAN	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0110	PODIUM 2 BASEMENT B1 GA PLAN	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0111	PODIUM 3 BASEMENT B1 GA PLAN	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0112	PODIUM 1 BASEMENT B1 GA PLAN	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0113	PODIUM 2 BASEMENT B1 GA PLAN	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0114	PODIUM 3 BASEMENT B1 GA PLAN	002	02/10/20
	9204-BP12A-MMJV-FC-DT-NS-000-0115	PODIUM 3 BASEMENT B1 GA PLAN	002	02/10/20

**REVISIONS:**

Rev	Date	Revision Details	Drawn	Chkd.	Appt.
003	10-11-2020	REVISED AS PER COMMENTS	IMJ	SON	-
002	08-10-2020	REVISED AS PER COMMENTS	IMJ	SON	-
001	11-06-2020	REVISED AS PER COMMENTS	KMP	SON	-
000	18-08-2020	ISSUED FOR APPROVAL	KMP	SON	-

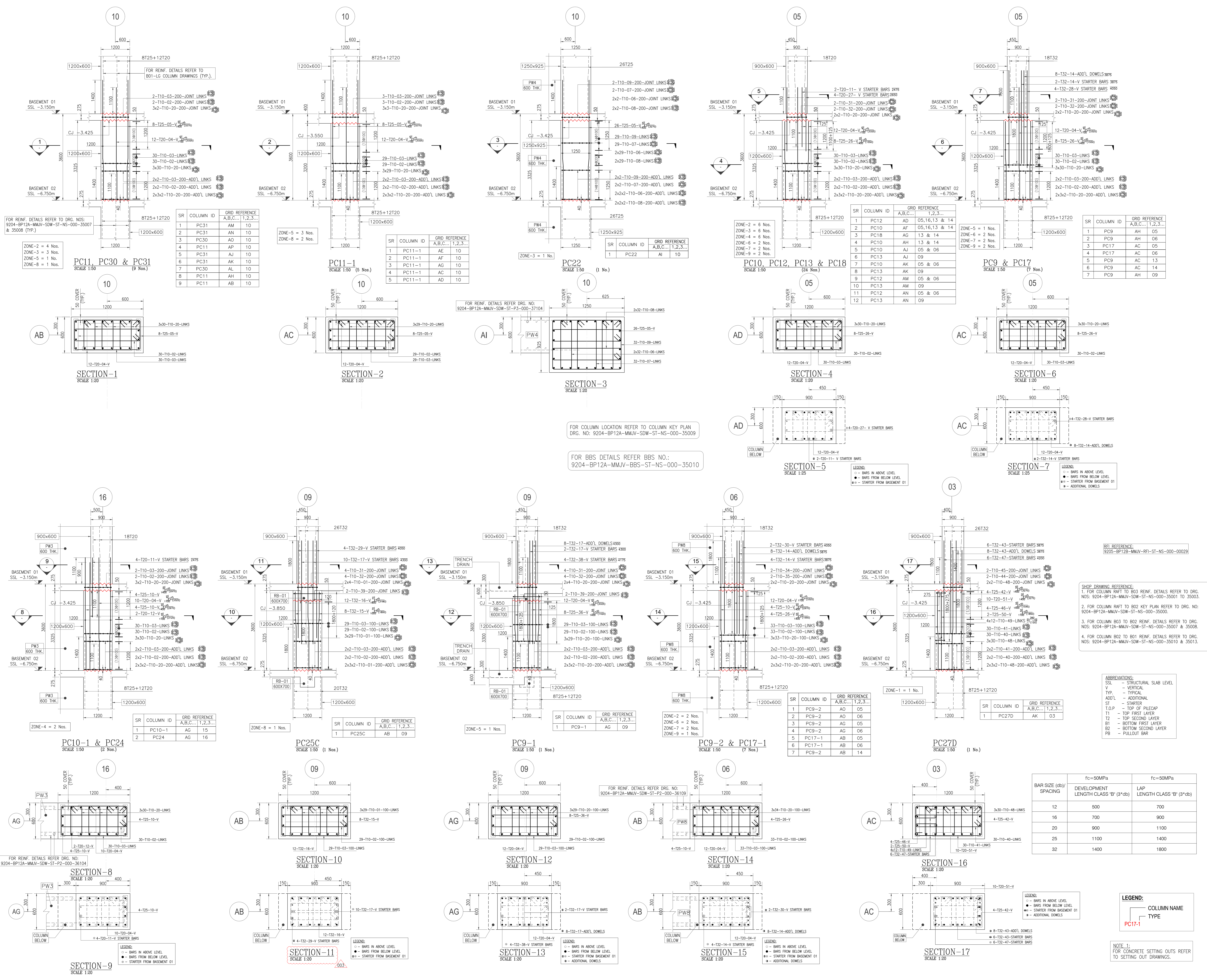
**SHOP DRAWING REFERENCE:**

- FOR COLUMN RAFT TO B03 REIN. DETAILS REFER TO DRG. NOS: 9204-BP12A-MMJV-SOW-ST-P2-000-35101 TO 35103.
- FOR COLUMN RAFT TO B02 KEY PLAN REFER TO DRG. NO: 9204-BP12A-MMJV-SOW-ST-NS-000-35007 & 35008.
- FOR COLUMN B03 TO B02 REIN. DETAILS REFER TO DRG. NOS: 9204-BP12A-MMJV-SOW-ST-NS-000-35007 & 35008.
- FOR COLUMN B02 TO B01 REIN. DETAILS REFER TO DRG. NOS: 9204-BP12A-MMJV-SOW-ST-NS-000-35010 & 35013.

**ABBREVIATIONS:**

SSL	- STRUCTURAL SLAB LEVEL
V	- VERTICAL
TYP.	- TYPICAL
ADD'L	- ADDITIONAL
ST	- STARTER
T.O.P	- TOP OF PILECAP
T1	- TOP FIRST LAYER
T2	- TOP SECOND LAYER
B1	- BOTTOM FIRST LAYER
B2	- BOTTOM SECOND LAYER
PB	- PULLOUT BAR

BAR SIZE (d)/SPACING	$f_{ck} = 50 \text{ MPa}$	
	DEVELOPMENT LENGTH CLASS 'B' ( $3 \times d$ )	LAP LENGTH CLASS 'B' ( $3 \times d$ )
12	500	700
16	700	900
20	900	1100
25	1100	1400
32	1400	1800



FOR COLUMN LOCATION REFER TO COLUMN KEY PLAN DRG. NO: 9204-BP12A-MMJV-SOW-ST-NS-000-35009

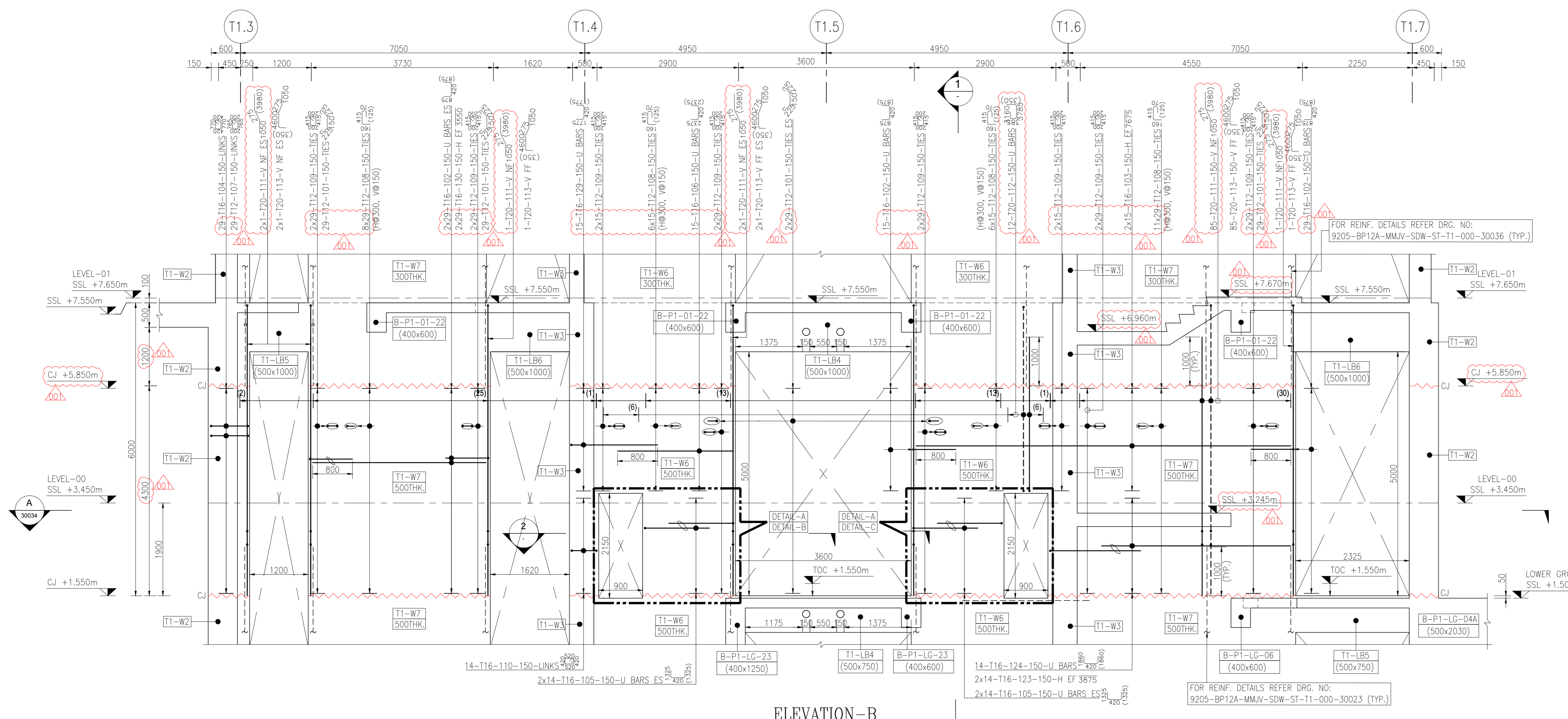
FOR BBS DETAILS REFER BBS NO: 9204-BP12A-MMJV-BBS-ST-NS-000-35010

**LEGEND:**

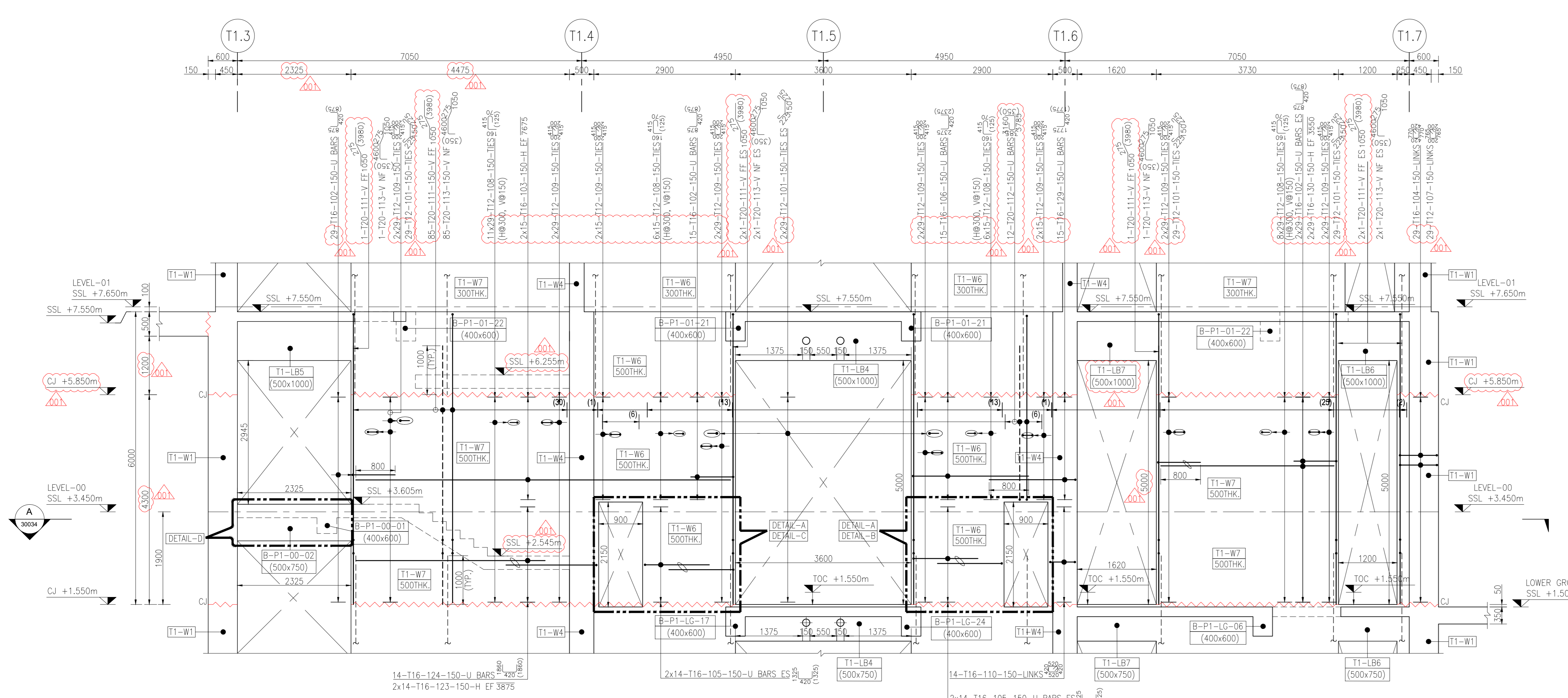
- - BARS IN ABOVE LEVEL
- - BARS FROM BELOW LEVEL
- - STARTER FROM BASEMENT 01
- - ADDITIONAL DOWELS

**NOTE 1:** FOR CONCRETE SETTING OUTS REFER TO SETTING OUT DRAWINGS.

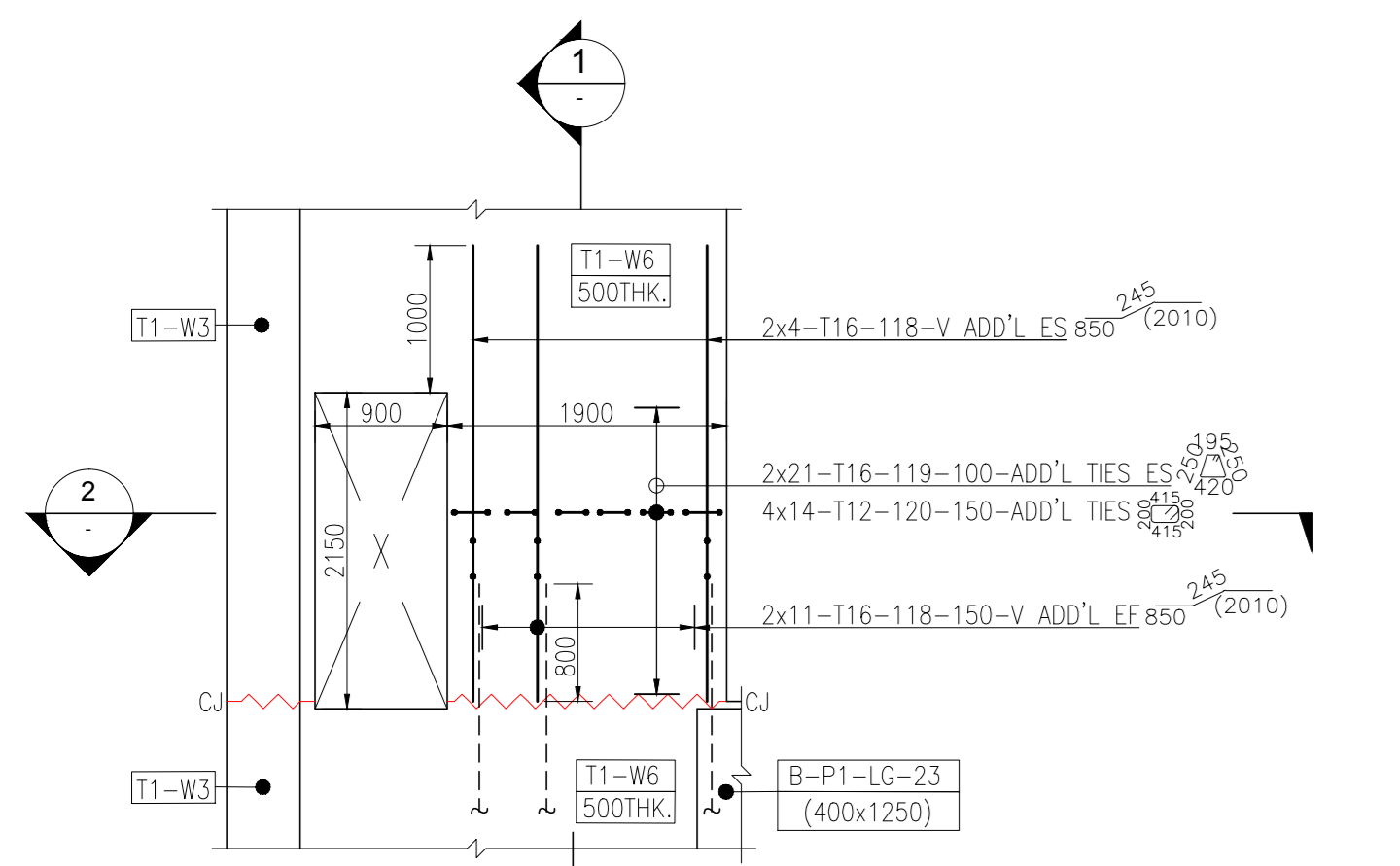




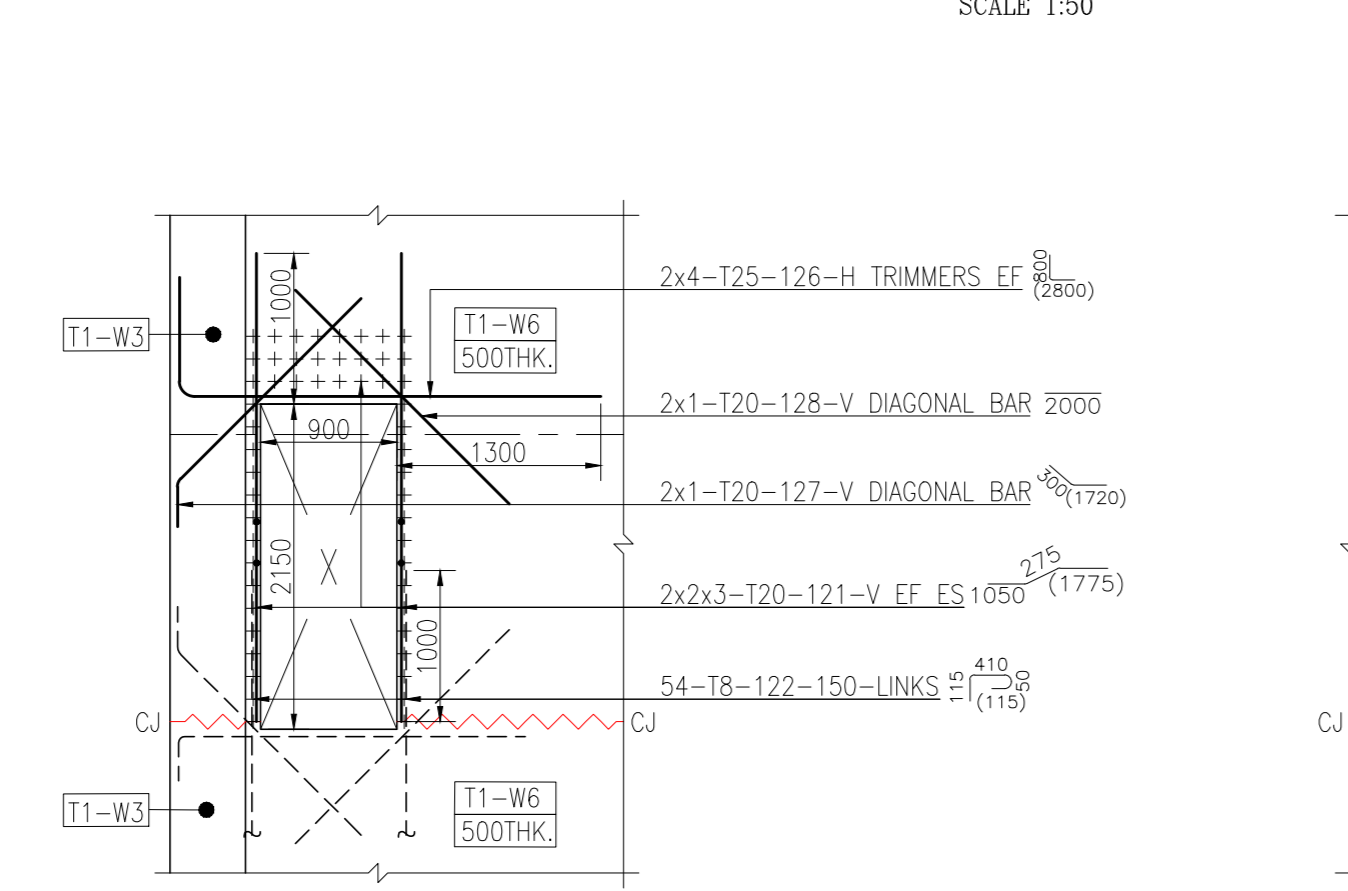
ELEVATION-B  
SCALE 1:50



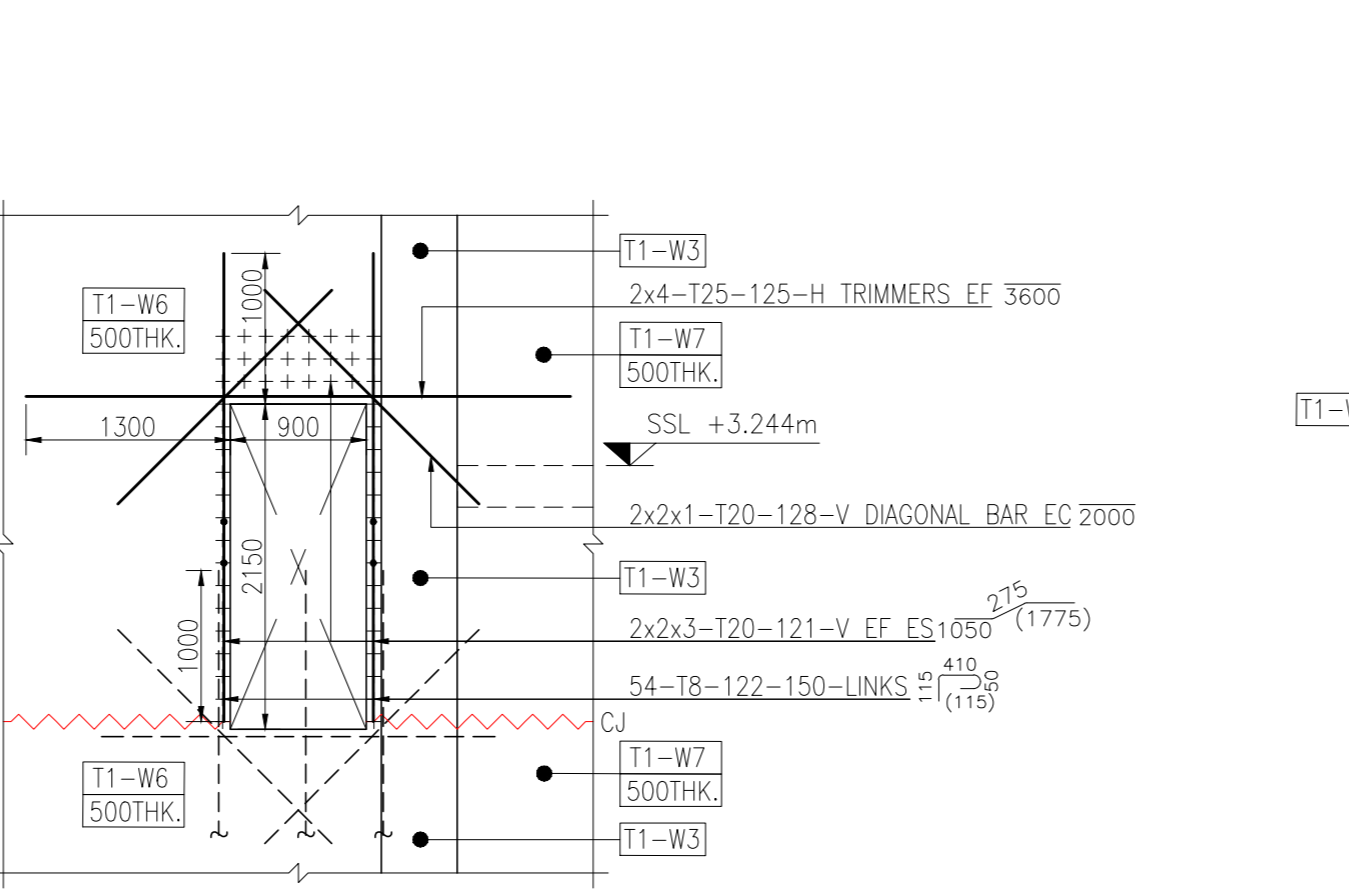
ELEVATION-C  
SCALE 1:50



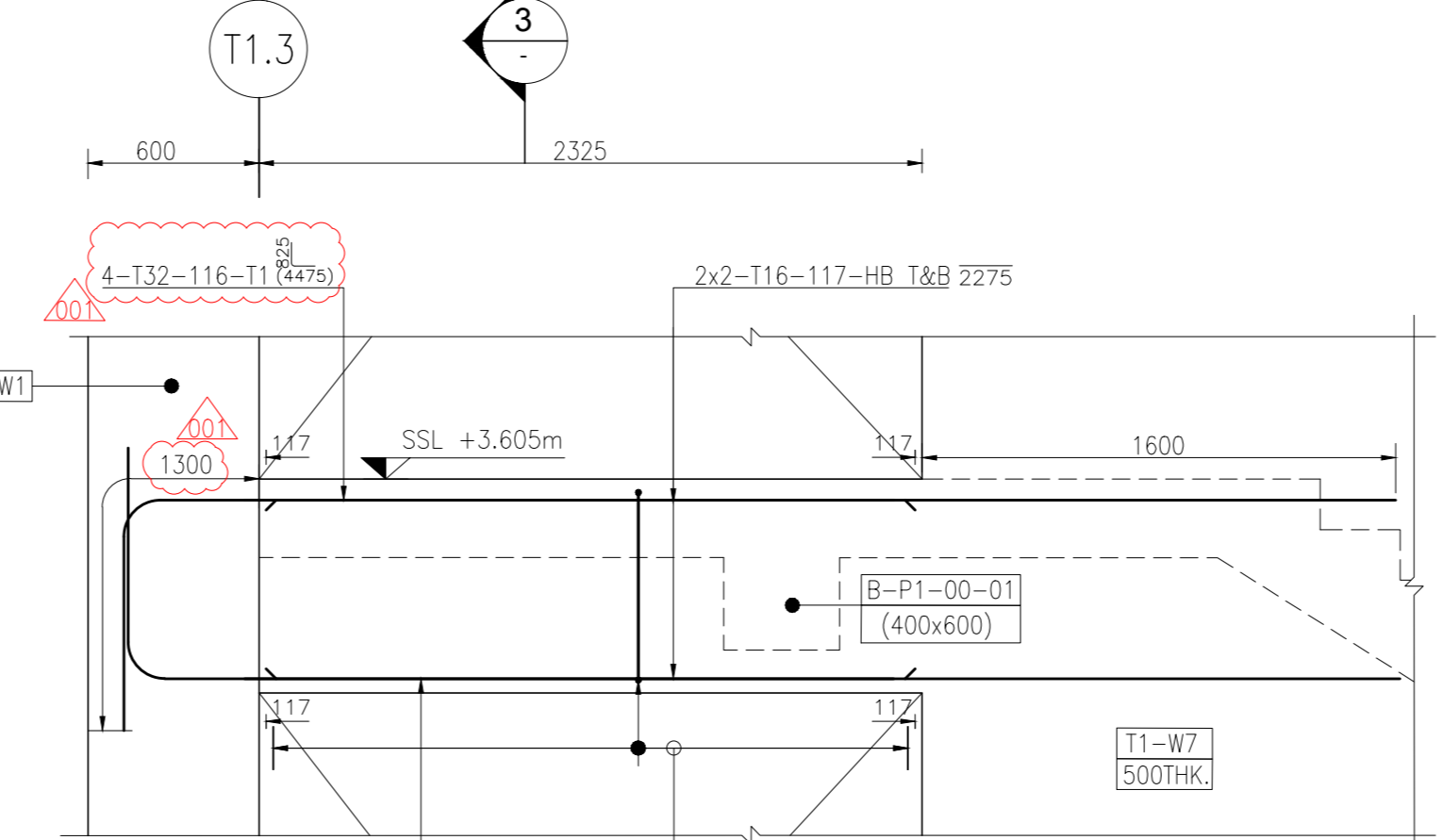
DETAIL-A  
SCALE 1:50 (4 Nos.)



DETAIL-B  
SCALE 1:50 (2 Nos.)



DETAIL-C  
SCALE 1:50 (2 Nos.)



DETAIL-D  
SCALE 1:25

BAR SIZE (db)	fc=80MPa	fc=80MPa
SPACING	DEVELOPMENT LENGTH CLASS 'B' (3*db)	LAP LENGTH CLASS 'B' (3*db)
12	500	600
16	600	800
20	800	1000
25	1000	1300
32	1300	1600

- GA. DRAWING REFERENCE:
- PLOT (1)-CORE WALL LAYOUT BASEMENT B01 LEVEL 9204-BP12A-MMJV-SOW-ST-11-001-2004
  - PLOT (1)-CORE WALL LAYOUT LOWER GROUND LEVEL 9204-BP12A-MMJV-SOW-ST-11-LG-2010
  - PLOT (1)-CORE WALL ELEVATIONS 9204-BP12A-MMJV-SOW-ST-11-000-20013 TO 20017

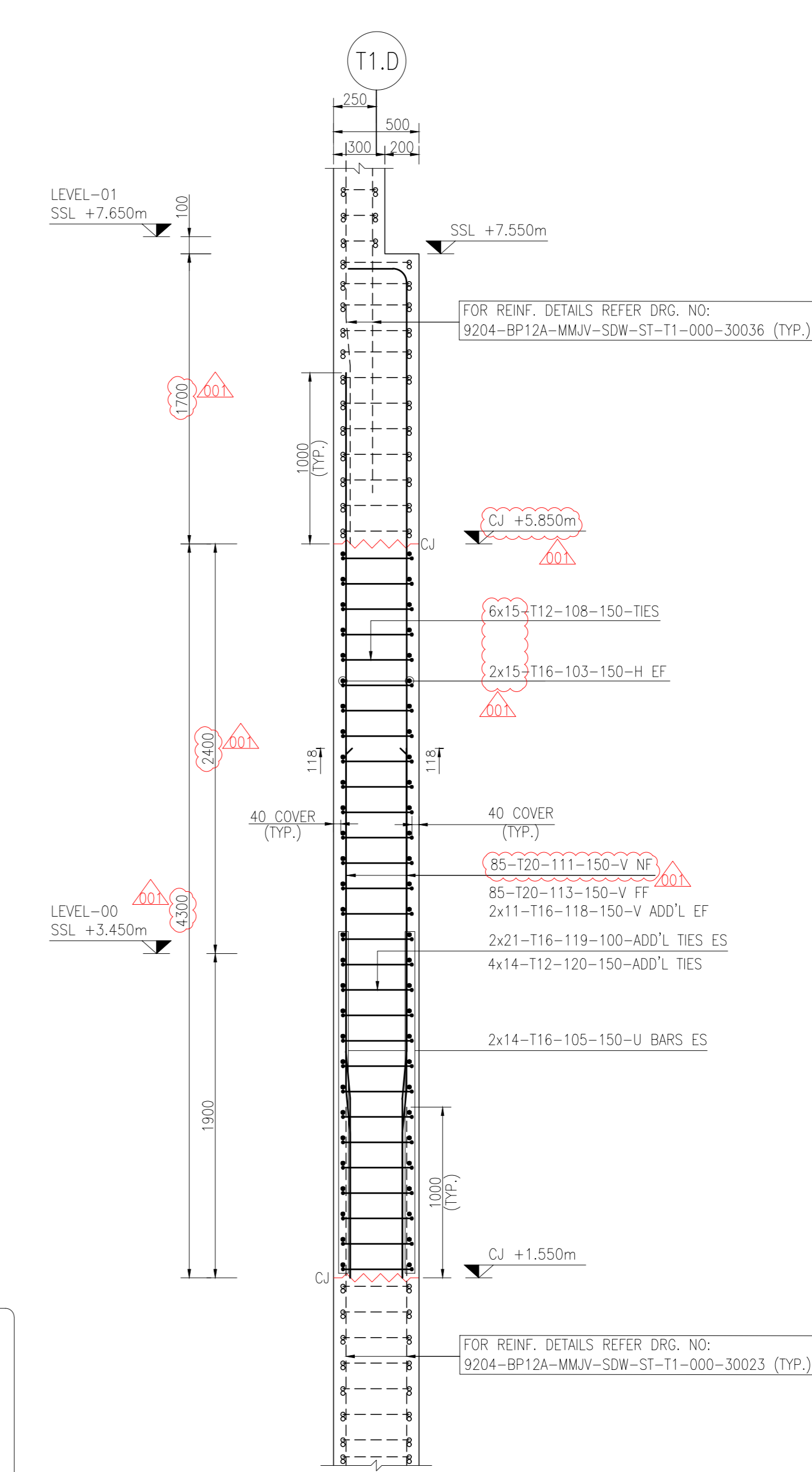
- ABBREVIATIONS:
- SSL - STRUCTURAL SLAB LEVEL
  - T - TOP
  - T1 - TOP FIRST LAYER
  - T2 - TOP SECOND LAYER
  - B - BOTTOM
  - B1 - BOTTOM FIRST LAYER
  - B2 - BOTTOM SECOND LAYER
  - HB - HOLDING BAR
  - ABR - ALTERNATE BAR REVERSED
  - ALT - ALTERNATE
  - H - HORIZONTAL
  - V - VERTICAL
  - NF - NEAR FACE
  - FF - FAR FACE
  - EF - EACH FACE
  - EW - EACH WAY
  - EC - EACH CORNER
  - TH - THREADED

FOR OVER ALL SECTION REFER TO DRG. NO. 9204-BP12A-MMJV-SOW-ST-11-LG-30034-001

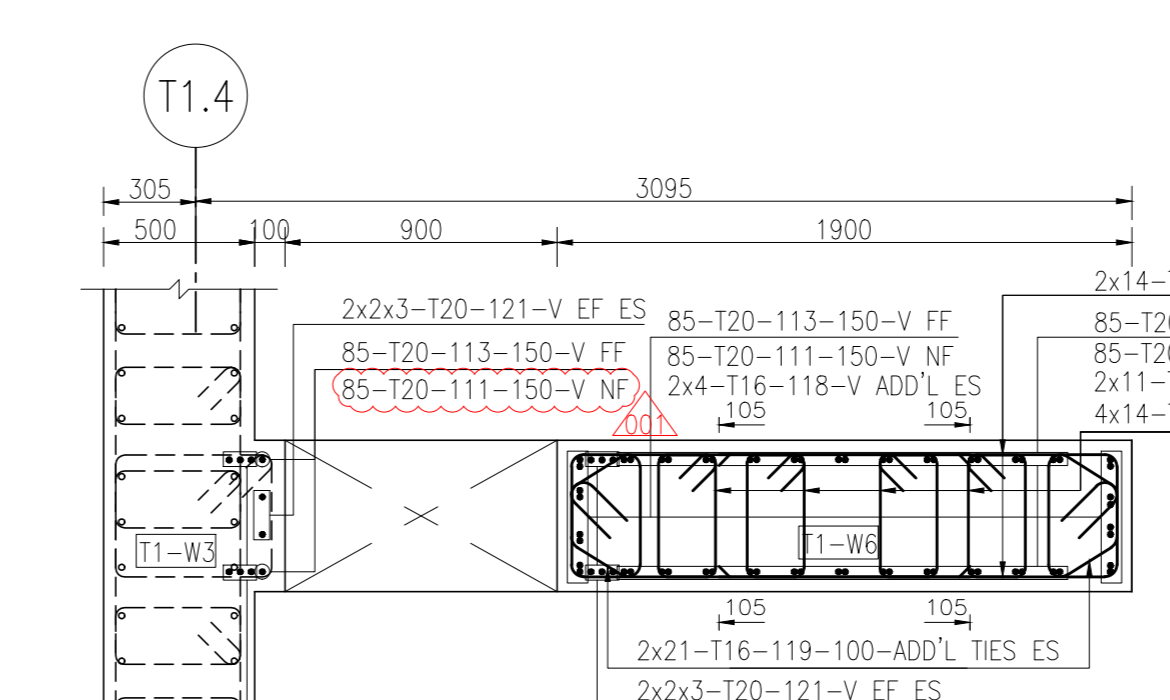
FOR BOB DETAILS REFER BBS NO. 9204-BP12A-MMJV-BBS-ST-11-000-30030-001

- SHOP DRAWING REFERENCE:
- BO1 TO LLG CORE WALL REINF. DETAILS REFER TO DRG. NO. 9204-BP12A-MMJV-SOW-ST-11-000-30022 TO 30028
  - LLG TO L01 CORE WALL REINF. DETAILS REFER TO DRG. NO. 9204-BP12A-MMJV-SOW-ST-11-000-30029 TO 30034
  - BO1 PUL OUT/COUPLER REINF. DETAILS REFER TO DRG. NO. 9204-BP12A-MMJV-SOW-ST-11-B01-30050 & 30051
  - LLG PUL OUT/COUPLER REINF. DETAILS REFER TO DRG. NO. 9204-BP12A-MMJV-SOW-ST-11-LG-30052 TO 30054

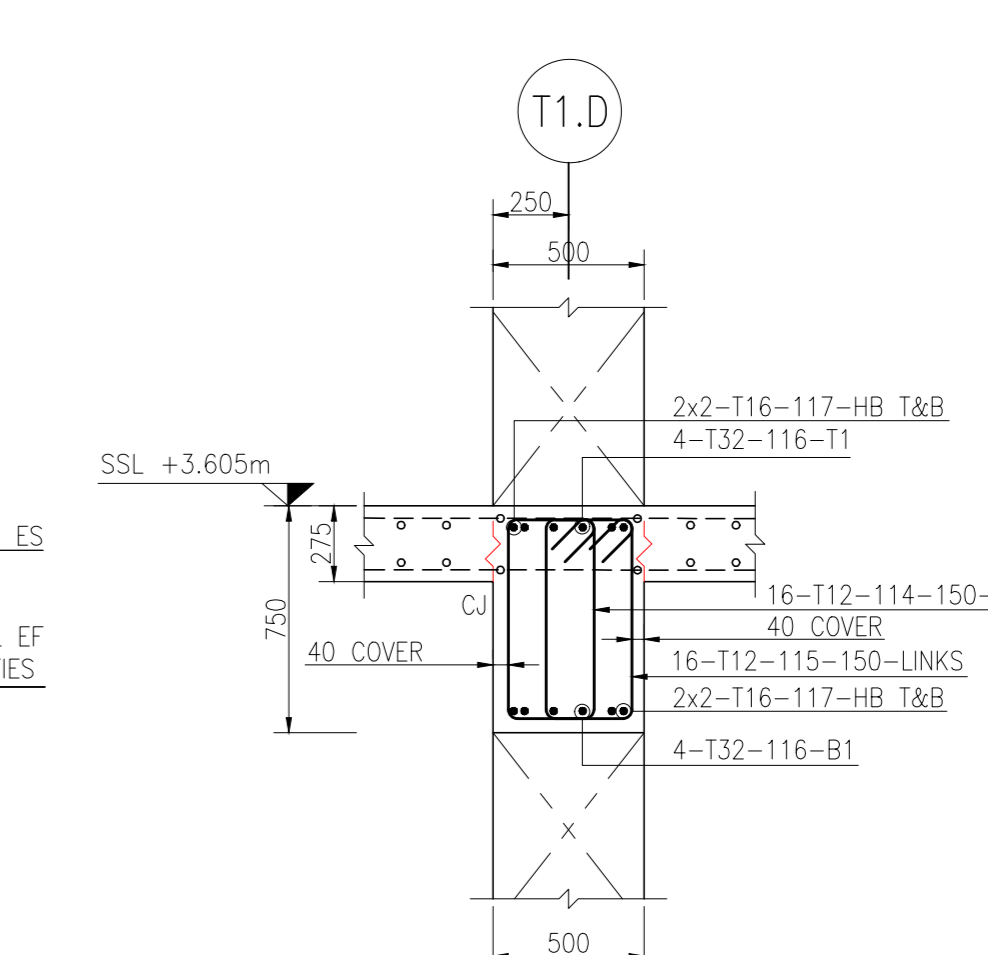
RFI REFERENCE: 9204-BP12A-MMJV-RFI-ST-NS-000-00040-001 9205-BP12B-MMJV-RFI-ST-NS-000-00057-001



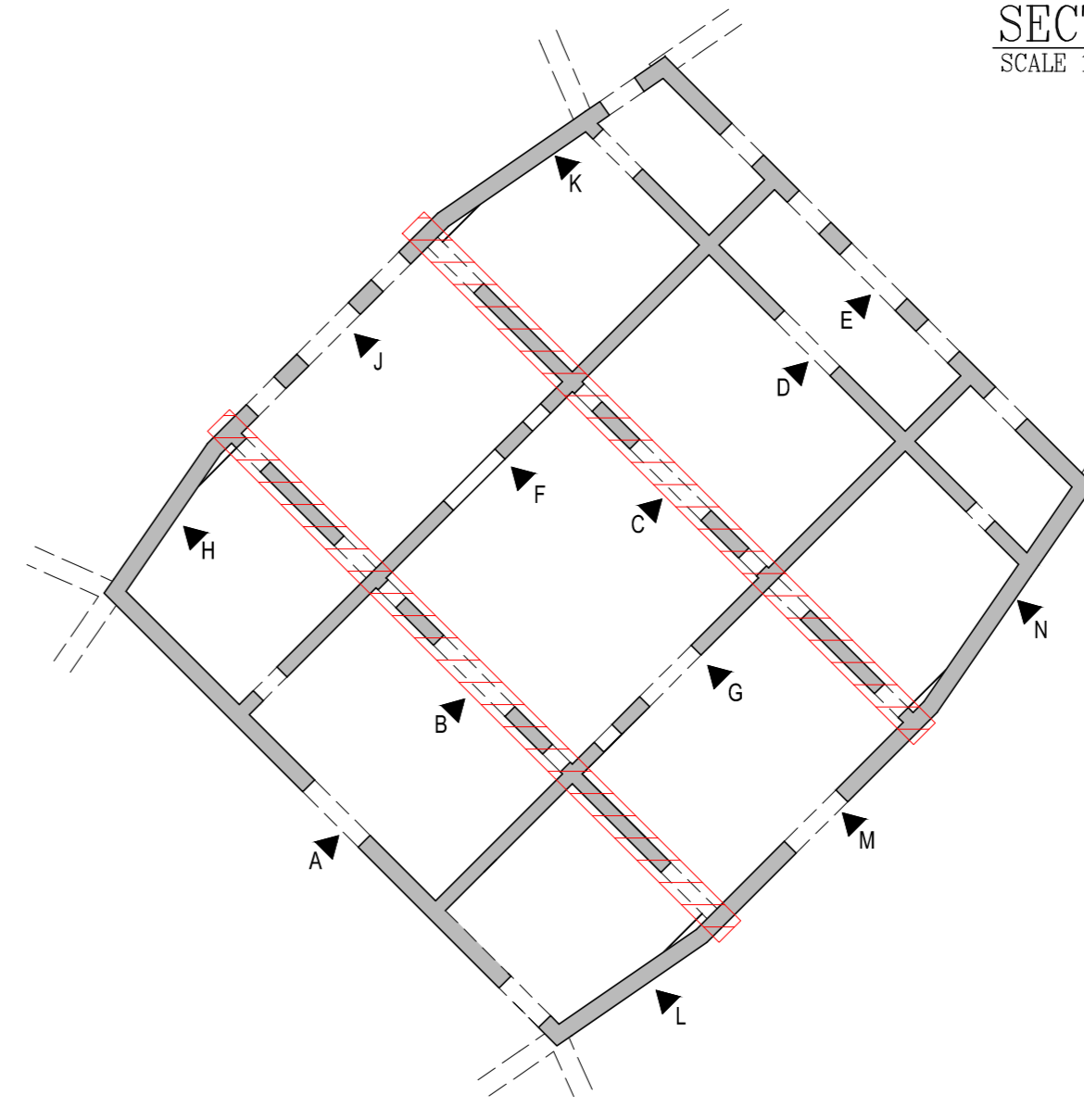
SECTION-1  
SCALE 1:25



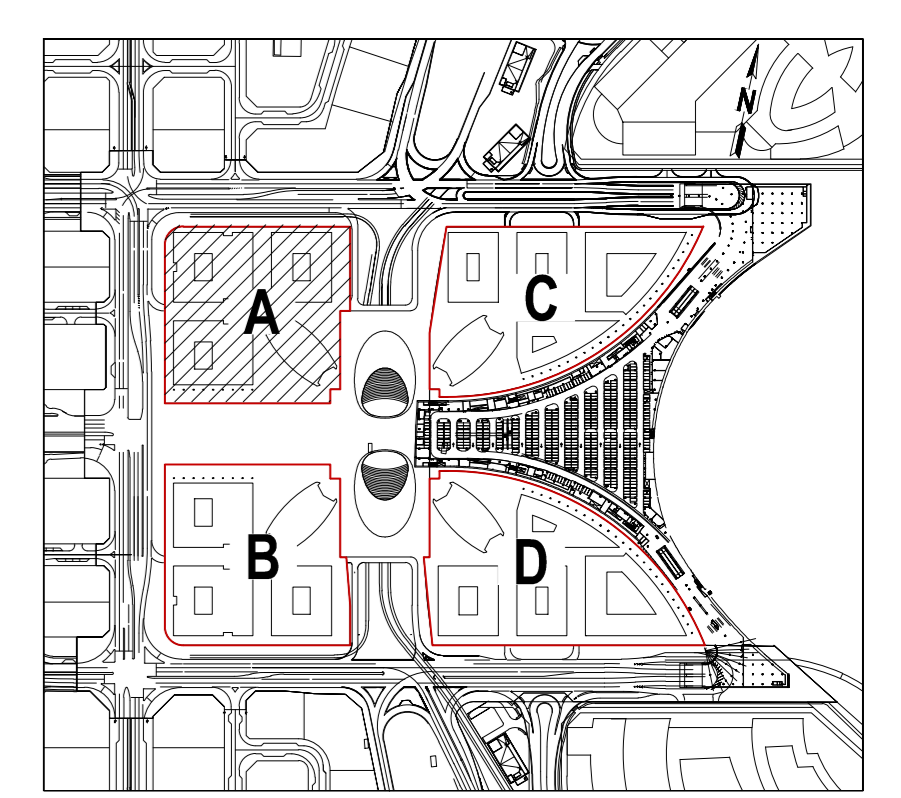
SECTION-2  
SCALE 1:25



SECTION-3  
SCALE 1:25



PLOT 1 CORE WALL KEY PLAN  
SCALE NTS



KEY PLAN

- NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - ALL LEVELS ARE IN METERS
  - GRADE OF REINFORCING STEEL  $F_y = 500$  N/mm<sup>2</sup>
  - GRADE OF CONCRETE  $F_{ck} = C80/95$  MPa (Cylinder/Cube)
  - LAP LENGTH REFER TABLE
  - COVER TO REBAR 40 mm
- NOTATION OF REINFORCEMENT BAR.
- 2x8 - T12 - 30 - 200 - B1
- TWO FACE BARS  
NUMBER OF BARS  
DIA OF BARS IN mm  
BAR MARK  
SPACING OF BARS IN mm  
INDICATES BAR LAYER

- Drawing Approval Status
- A - APPROVED (Consulted/Contractor May Proceed)
  - B - APPROVED WITH COMMENTS (Comments Shall be actioned to achieve A Before construction Utilization)
  - C - REVISE AND RESUBMIT (Resubmission required)
  - D - REJECTED (Not Required)
  - E - FOR INFORMATION ONLY

Name: \_\_\_\_\_

Date: \_\_\_\_\_

DEPARTMENT	COMPANY	INITIAL	SIGNATURE
ARCHITECTURAL	MMJV	MM	JRV
STRUCTURAL	MMJV	MM	JRV
ELECTRICAL	MMJV	MM	JRV
MECHANICAL	MMJV	MM	JRV
OTHERS			

REFERENCES

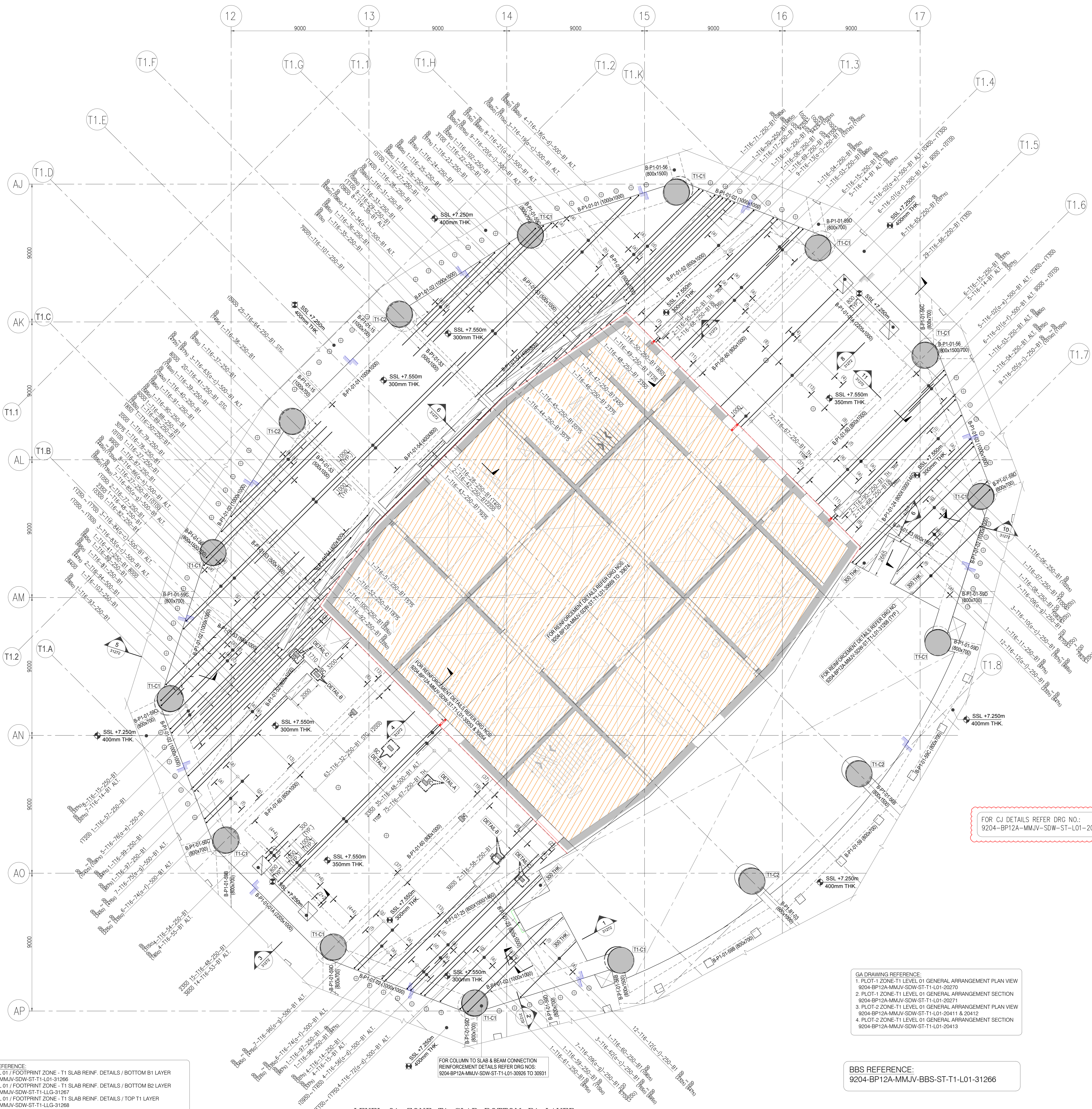
PHASE	DRAWING NUMBER	TITLE	Rev	DATE
001	9204-BP12A-MMJV-FCD-ST-11-LG-0100	LOWER GROUND GENERAL ARRANGEMENT	003	27/08/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0101	LEVEL-00 GENERAL ARRANGEMENT PLAN	003	27/08/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0102	LEVEL-00 GENERAL ARRANGEMENT PLAN	003	27/08/20
002	9204-BP12A-MMJV-FCD-ST-11-LG-0103	ABBREVIATION & SYMBOLS	002	01/09/20
002	9204-BP12A-MMJV-FCD-ST-11-LG-0104	STANDARD NOTES SHEET 1 & 2	002	01/09/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0105	STANDARD NOTES SHEET 3	001	23/03/20
002	9204-BP12A-MMJV-FCD-ST-11-LG-0106	STANDARD NOTES SHEET 4	002	01/09/20
003	9204-BP12A-MMJV-FCD-ST-11-LG-0107	REINFORCING CORE WALL DETAILS	003	07/08/20
003	9204-BP12A-MMJV-FCD-ST-11-LG-0108	REINFORCING CORE WALL DETAILS	003	07/08/20
003	9204-BP12A-MMJV-FCD-ST-11-LG-0109	REINFORCING CORE WALL DETAILS	003	07/08/20
000	9204-BP12A-MMJV-FCD-ST-11-LG-0110	TOWER CORE WALL ELEVATION LG TO L01	000	07/08/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0111	WALL REINFORCING SCHEDULE LG TO L01	001	27/08/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0112	TOWER BEAMS REINFORCING SCHEDULE	001	27/08/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0113	STAIRCASE PLAN & SECTIONS LG TO L01	001	27/08/20
001	9204-BP12A-MMJV-FCD-ST-11-LG-0114	LINK BEAMS REINFORCING SCHEDULE LG TO L01	001	27/08/20
003	9204-BP12A-MMJV-FCD-ST-11-LG-0115	REINFORCING CORE WALL DETAILS	003	27/08/20

REVISIONS:

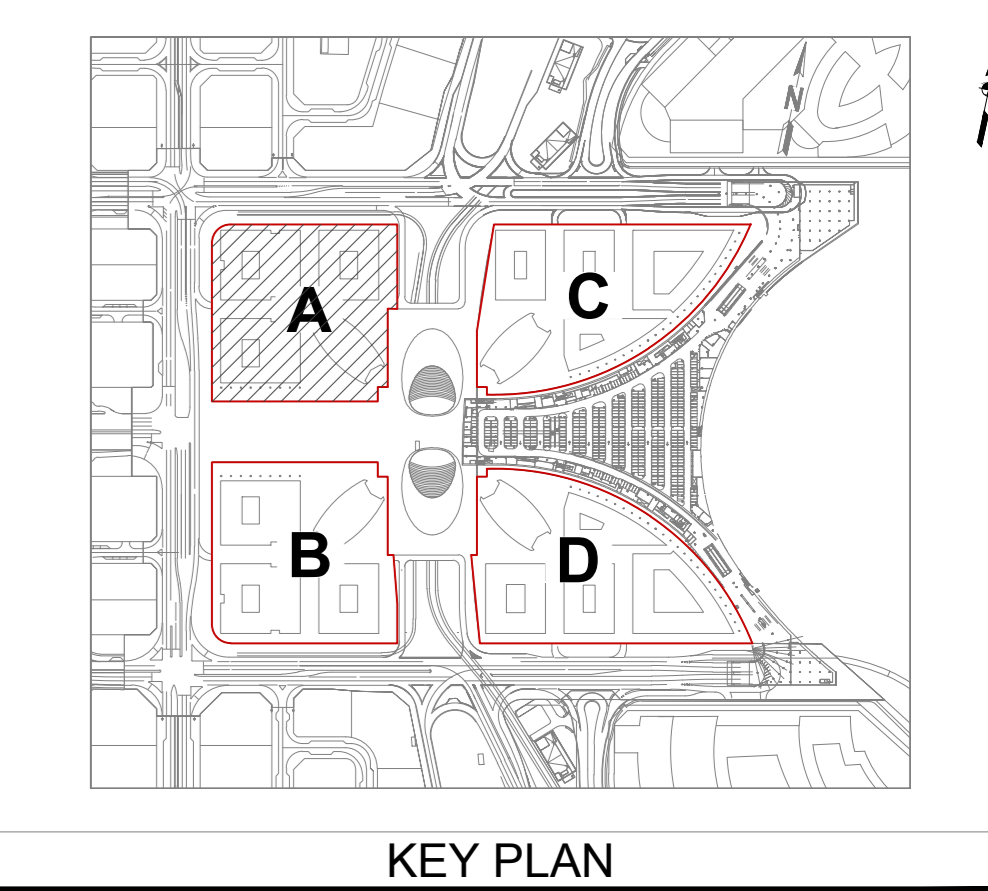
Rev	Date	Revision Details	Drawn	Chkd.	Appt.
001	09-10-2020	ISSUED FOR APPROVAL	MMU	JRV	-
000	15-07-2020	ISSUED FOR APPROVAL	MMU	JRV	-

Stage: \_\_\_\_\_

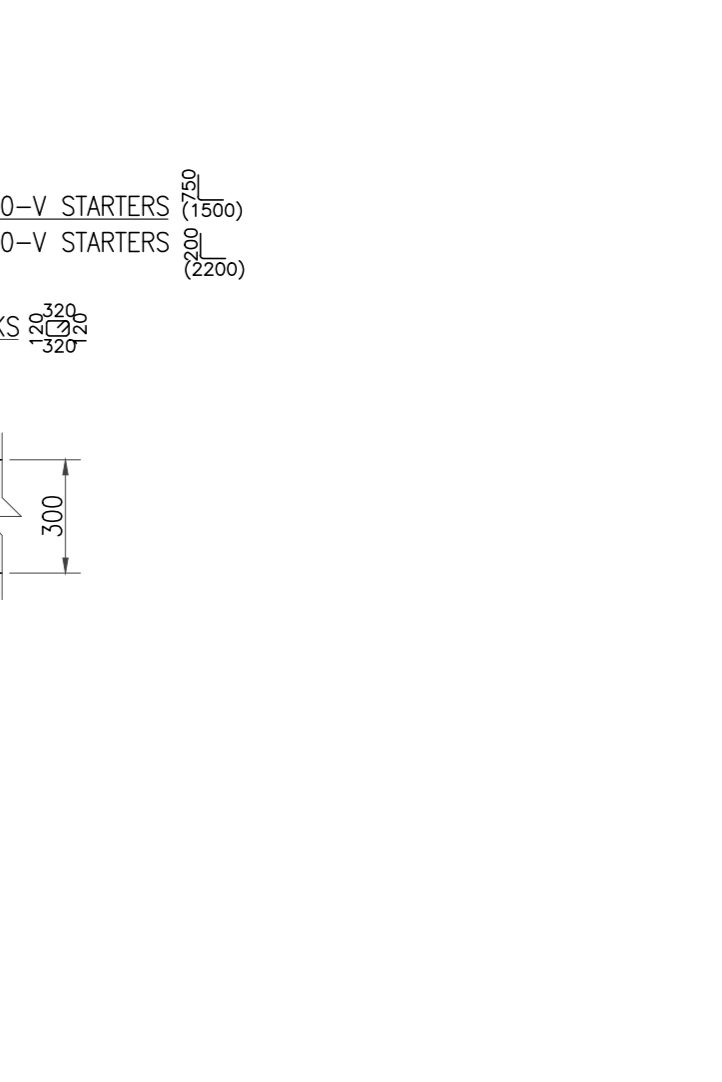
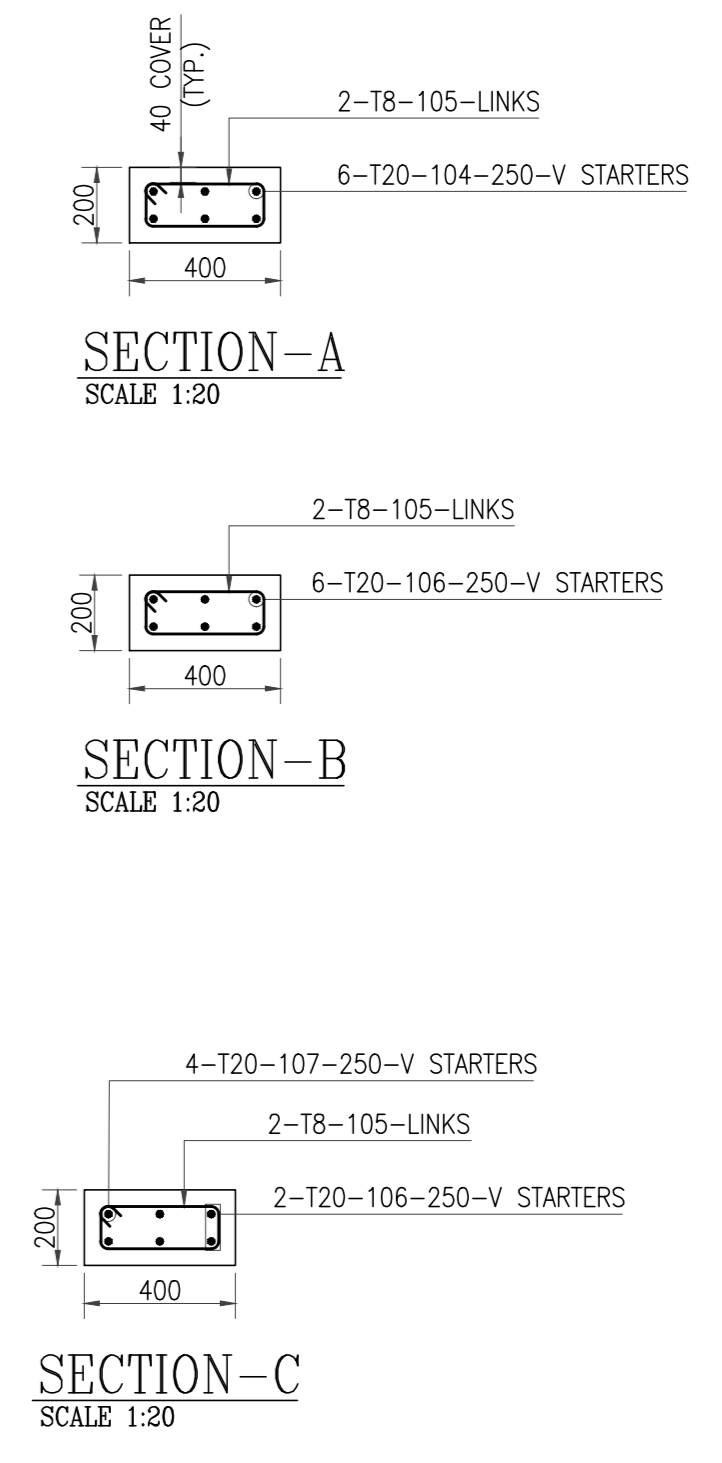
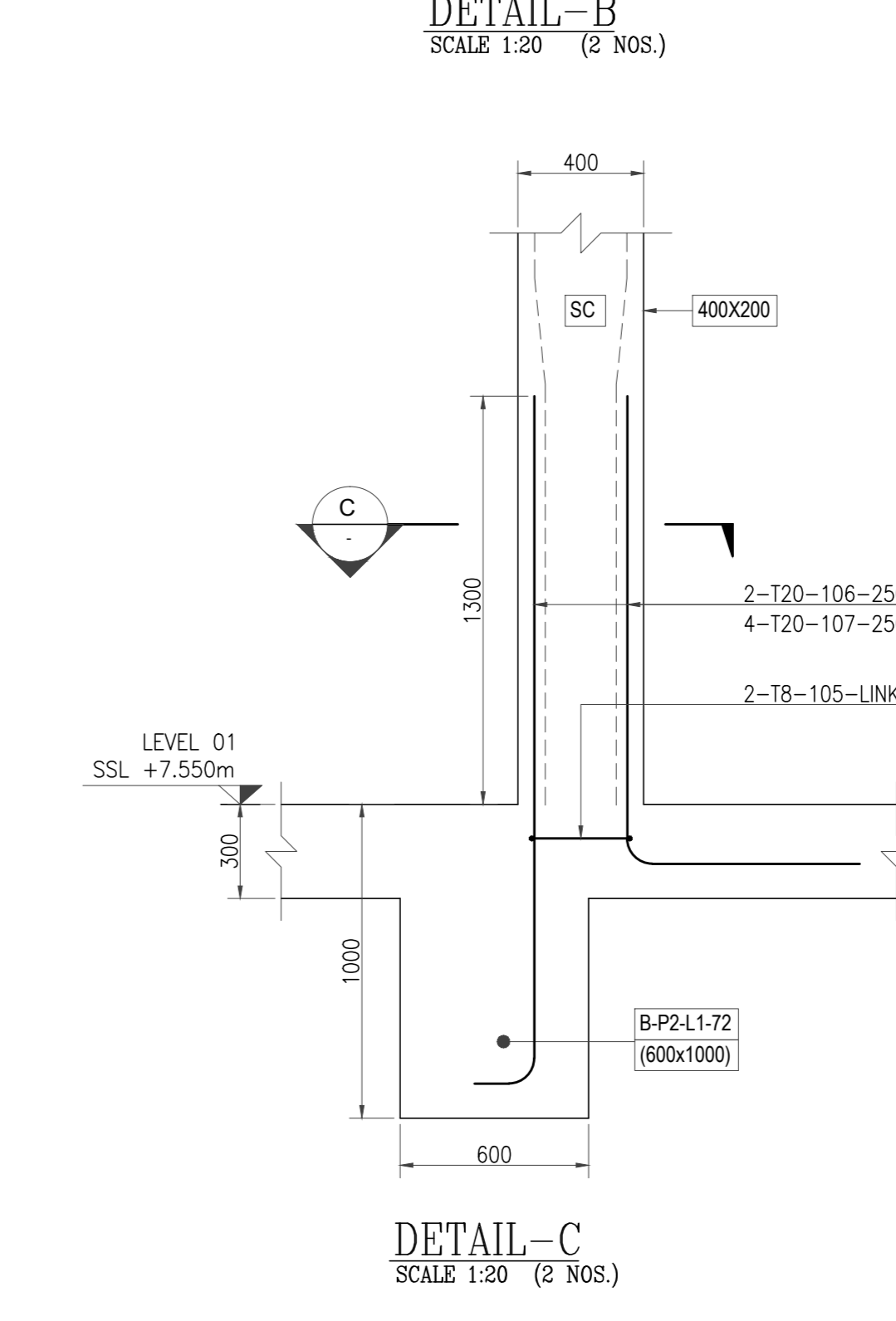
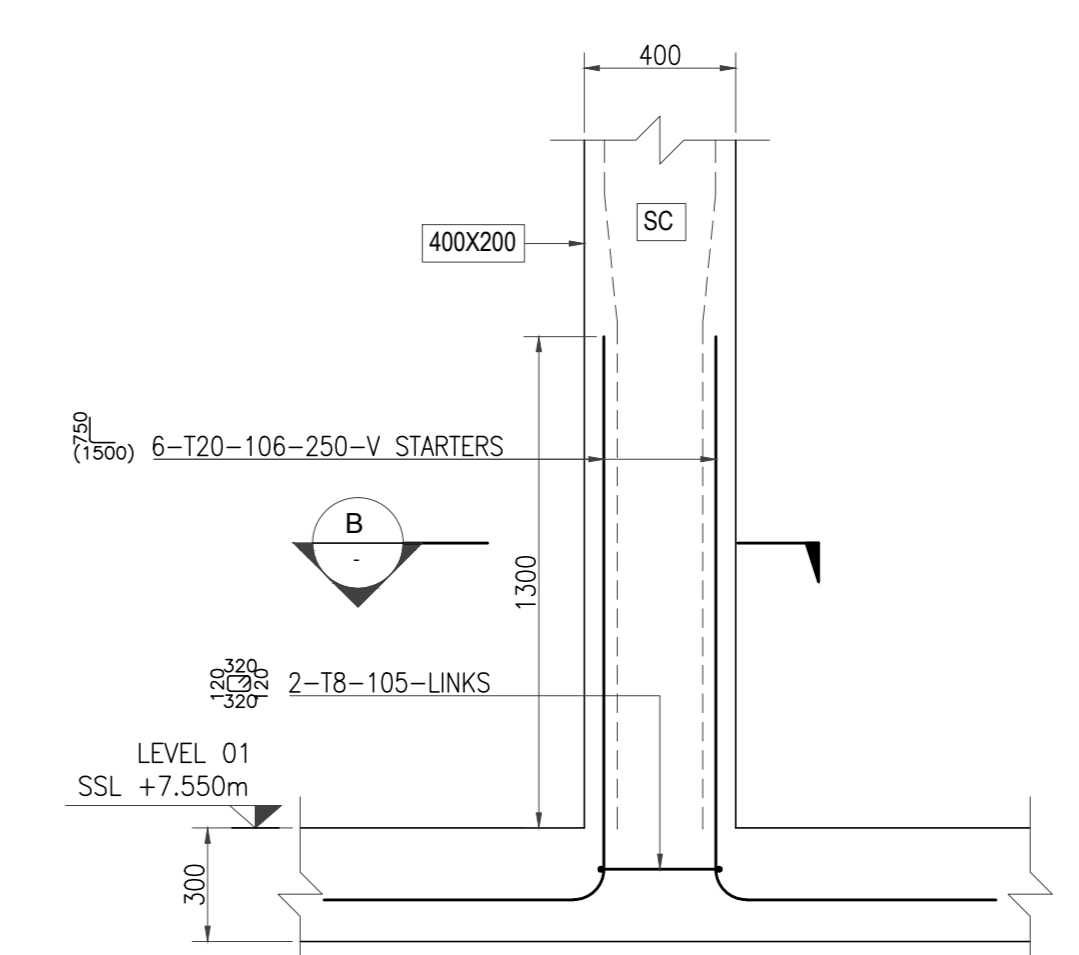
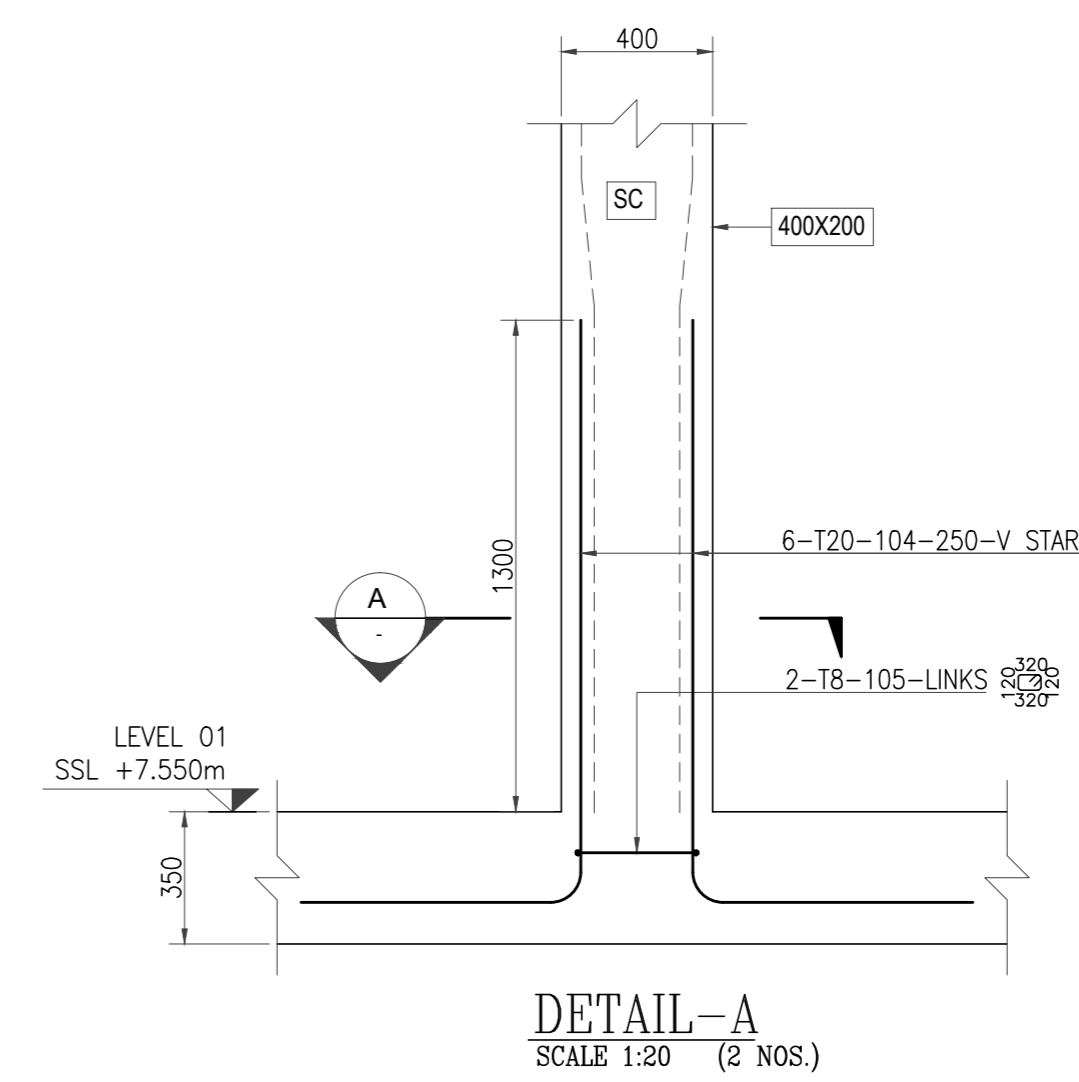




- ABBREVIATIONS:**
- SSL - STRUCTURAL SLAB LEVEL
  - T - TOP
  - T1 - TOP FIRST LAYER
  - T2 - TOP SECOND LAYER
  - B - BOTTOM
  - B1 - BOTTOM FIRST LAYER
  - B2 - BOTTOM SECOND LAYER
  - HB - HOLDING BAR
  - ABR - ALTERNATE BAR REVERSED
  - TYP - TYPICAL
  - STG - STAGGERED
  - CP - COUPLER
  - EX.CP - EXTENDED COUPLER
  - THK - THICKNESS
  - ALT. - ALTERNATE
  - H - HORIZONTAL
  - V - VERTICAL
  - NF - NEAR FACE
  - FF - FAR FACE
  - EF - EACH FACE
  - EW - EACH WALL
  - EC - EACH CORNER
  - TH - THREADED



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS.
  2. ALL LEVELS ARE IN METERS
  3. GRADE OF REINFORCING STEEL  $F_y = 500 \text{ N/mm}^2$
  4. GRADE OF CONCRETE =  $\text{C40/50}$  (CYLINDER STRENGTH Mpa/ CUBE STRENGTH Mpa)
  5. COVER TO REBAR ALL SIDES - 40 mm
- NOTATION OF REINFORCEMENT BAR.**
- 



- Drawing Approval Status**
- A - APPROVED (Consultant / Contractor May Proceed)
  - B - APPROVED WITH COMMENTS (Comments Shall be actioned to achieve A before construction Utilization)
  - C - REVISE AND RESUBMIT (Resubmission required)
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Name: \_\_\_\_\_ Date: \_\_\_\_\_

DEPARTMENT	COMPANY	INITIAL	SIGNATURE
ARCHITECTURAL	MMJV		
STRUCTURAL	MMJV	MMJV	
ELECTRICAL	MMJV	MMJV	
MECHANICAL	MMJV	MMJV	
OTHERS			

**REFERENCES**

PHASE	DRAWING NUMBER	TITLE	Rev	DATE
001	9204-BP12A-MMJV-FCD-ST-T1-L01-31266	TOWER-1 LEVEL 01 GA PLAN	003	27/08/20
002	9204-BP12A-MMJV-FCD-ST-T1-L01-31267	TOWER-1 LEVEL 01 REN PLAN	003	27/08/20
003	9204-BP12A-MMJV-FCD-ST-T1-L01-31268	SECTION & DETAILS	000	27/08/20
004	9204-BP12A-MMJV-FCD-ST-T1-L01-31269	SECTION & DETAILS	003	07/08/20
005	9204-BP12A-MMJV-FCD-ST-T1-L01-31270	SECTION & DETAILS	003	07/08/20
006	9204-BP12A-MMJV-FCD-ST-T1-L01-31271	TYPICAL SLAB RENF SCH & DETAILS	003	07/08/20
007	9204-BP12A-MMJV-FCD-ST-T1-L01-31272	STRUCTURAL STD. RC SLAB DETAILS	002	01/08/20
008	9204-BP12A-MMJV-FCD-ST-T1-L01-31273	BLOCKWORK AND DETAILS	001	01/08/20

**REVISIONS:**

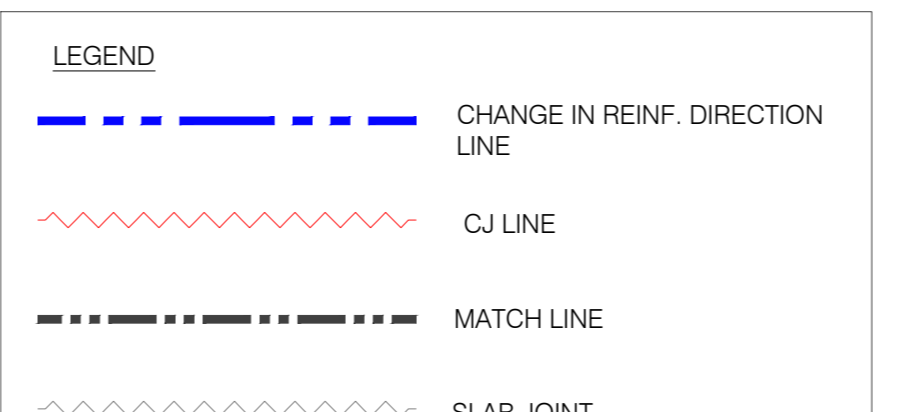
Rev	Date	Revision Details	Drawn	Chkd.	Appd.
002	15-02-2021	REVISED AS PER COMMENTS	TMI	YVN	-
001	28-12-2020	REVISED AS PER COMMENTS	TMI	YVN	-
000	27-10-2020	ISSUED FOR APPROVAL	TMI	YVN	-

Stage: \_\_\_\_\_

FOR CJ DETAILS REFER DRG NO.: 9204-BP12A-MMJV-SDW-ST-L01-20105

- GA DRAWING REFERENCE:**
1. PLOT-1 ZONE-T1 LEVEL 01 GENERAL ARRANGEMENT PLAN VIEW 9204-BP12A-MMJV-SDW-ST-T1-L01-20270
  2. PLOT-1 ZONE-T1 LEVEL 01 GENERAL ARRANGEMENT SECTION 9204-BP12A-MMJV-SDW-ST-T1-L01-20271
  3. PLOT-2 ZONE-T1 LEVEL 01 GENERAL ARRANGEMENT PLAN VIEW 9204-BP12A-MMJV-SDW-ST-T1-L01-20411 & 20412
  4. PLOT-2 ZONE-T1 LEVEL 01 GENERAL ARRANGEMENT SECTION 9204-BP12A-MMJV-SDW-ST-T1-L01-20413

**BBS REFERENCE:** 9204-BP12A-MMJV-BBS-ST-T1-L01-31266

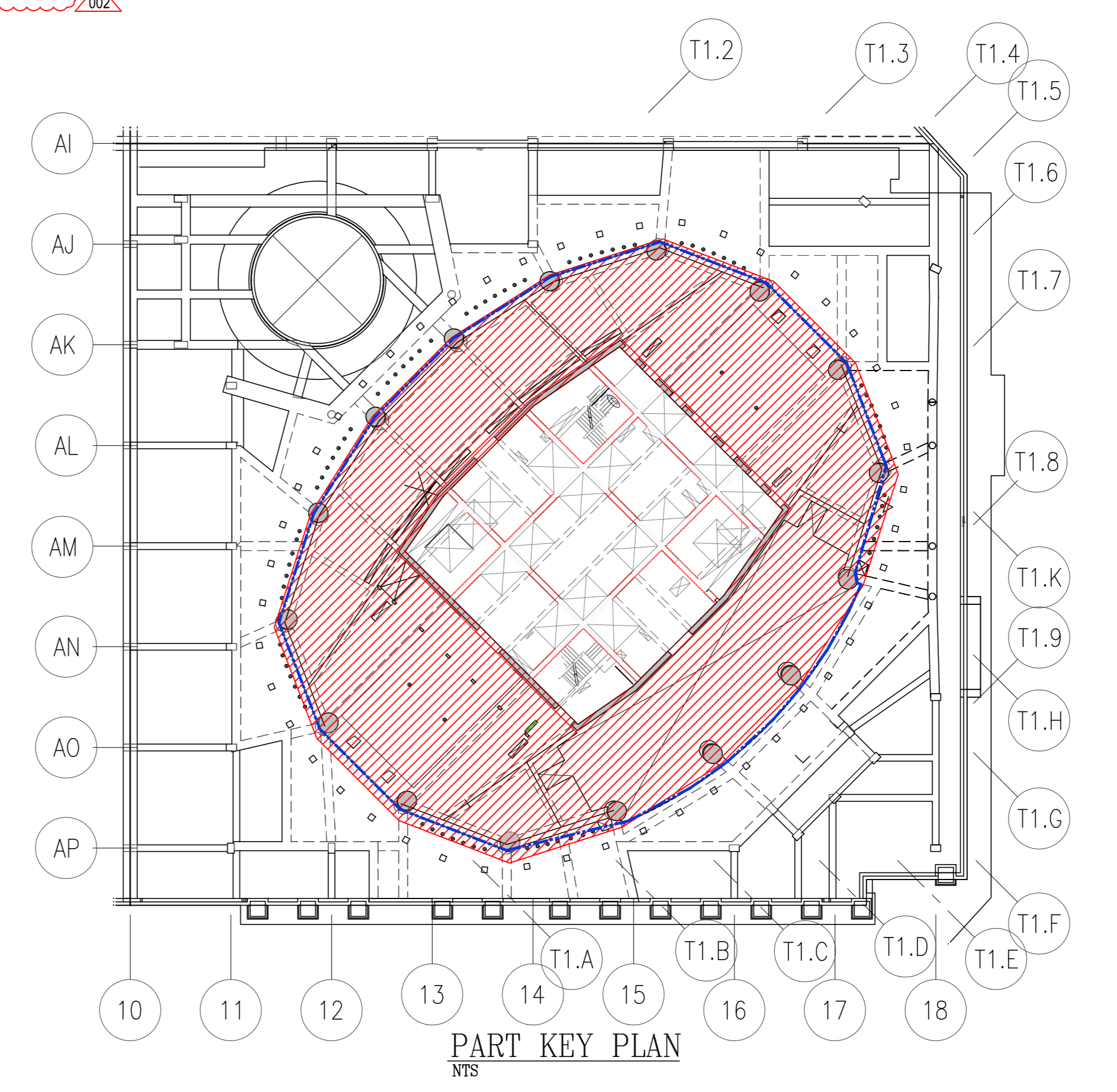


$f_c = 40 \text{ MPa}$

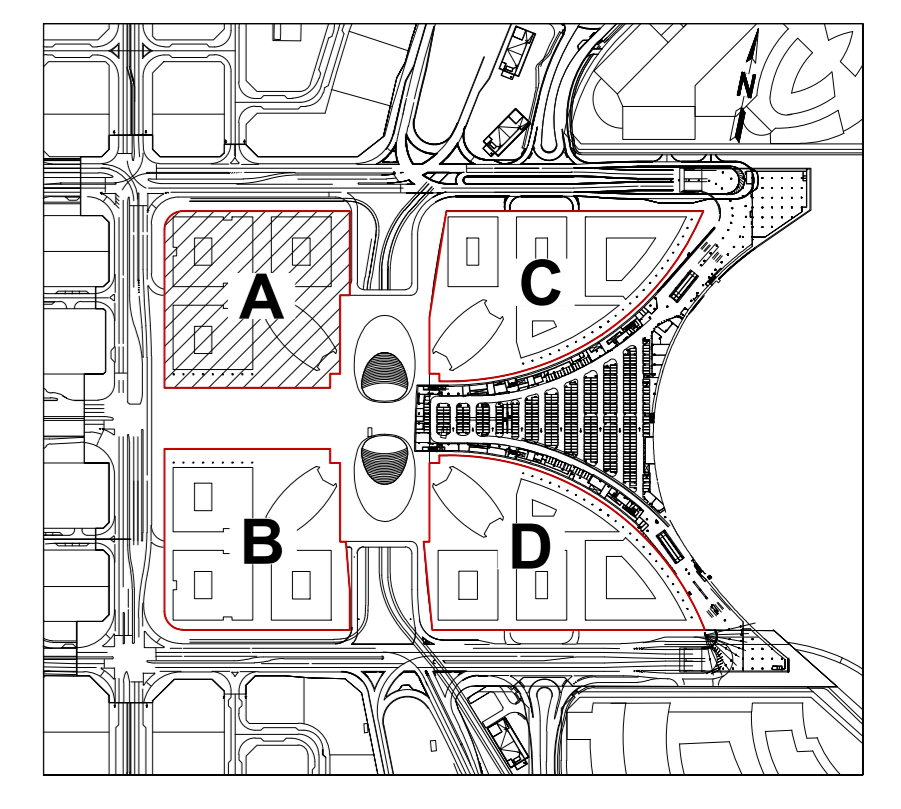
BAR SIZE (db)/ SPACING	DEVELOPMENT LENGTH CLASS 'B' (3" db)	LAP LENGTH CLASS 'B' (3" db)
12	600	750
16	800	1000
20	1000	1300
25	1200	1600
32	1500	2000

- SHOP DRAWING REFERENCE:**
1. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. DETAILS / BOTTOM B1 LAYER 9204-BP12A-MMJV-SDW-ST-T1-L01-31266
  2. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. DETAILS / BOTTOM B2 LAYER 9204-BP12A-MMJV-SDW-ST-T1-L01-31267
  3. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. DETAILS / TOP T1 LAYER 9204-BP12A-MMJV-SDW-ST-T1-L01-31268
  4. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. DETAILS / TOP T2 LAYER 9204-BP12A-MMJV-SDW-ST-T1-L01-31269
  5. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. DETAILS / BOTTOM ADDL 9204-BP12A-MMJV-SDW-ST-T1-L01-31270
  6. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. DETAILS / TOP ADDL 9204-BP12A-MMJV-SDW-ST-T1-L01-31271
  7. TOWER (1) LEVEL 01 / FOOTPRINT ZONE - T1 SLAB REINF. SECTION DETAILS 9204-BP12A-MMJV-SDW-ST-T1-L01-31272
  8. TOWER (1) LEVEL 01 / ZONE - T1 CORE WALL PULLOUT & COUPLER REINF. DETAILS & SECTION 9204-BP12A-MMJV-SDW-ST-T1-L01-30053 & 30054
  9. TOWER (1) LEVEL 01 / ZONE - T1 CORE WALL SLAB REINF. DETAILS & SECTION 9204-BP12A-MMJV-SDW-ST-T1-L01-30055 & 30056

**LEVEL 01-ZONE T1 SLAB BOTTOM B1 LAYER**  
SCALE 1:100

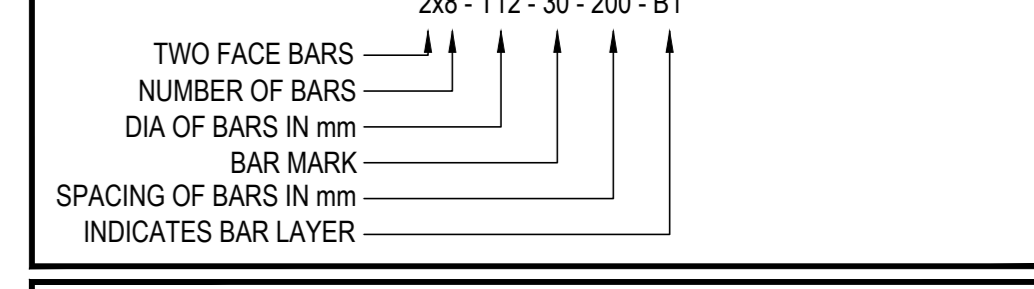






KEY PLAN

**NOTES:-**  
 1. ALL DIMENSIONS ARE IN MILLIMETERS.  
 2. ALL LEVELS ARE IN METERS.  
 3. GRADE OF REINFORCING STEEL  $F_y = 500$  N/mm<sup>2</sup>  
 4. GRADE OF CONCRETE  $F_{ck} = C80/95$  MPa (Cylinder/Cube)  
 5. LAP LENGTH REFER TABLE.  
 6. COVER TO REBAR 40 mm  
**NOTATION OF REINFORCEMENT BAR.**



Drawing Approval Status

- A - APPROVED (Consultant/Contractor May Proceed)
- B - APPROVED WITH COMMENTS (Comments Shall be addressed to achieve A Before construction Utilization)
- C - REVISE AND RESUBMIT (Resubmission required)
- D - REJECTED (Not Required)
- E - FOR INFORMATION ONLY

Name : \_\_\_\_\_  
 Date : \_\_\_\_\_

DEPARTMENT	COMPANY	INITIAL	SIGNATURE
ARCHITECTURAL	MMJV		
STRUCTURAL	MMJV	MM	
ELECTRICAL	MMJV	KK	
MECHANICAL	MMJV	KK	

OTHERS

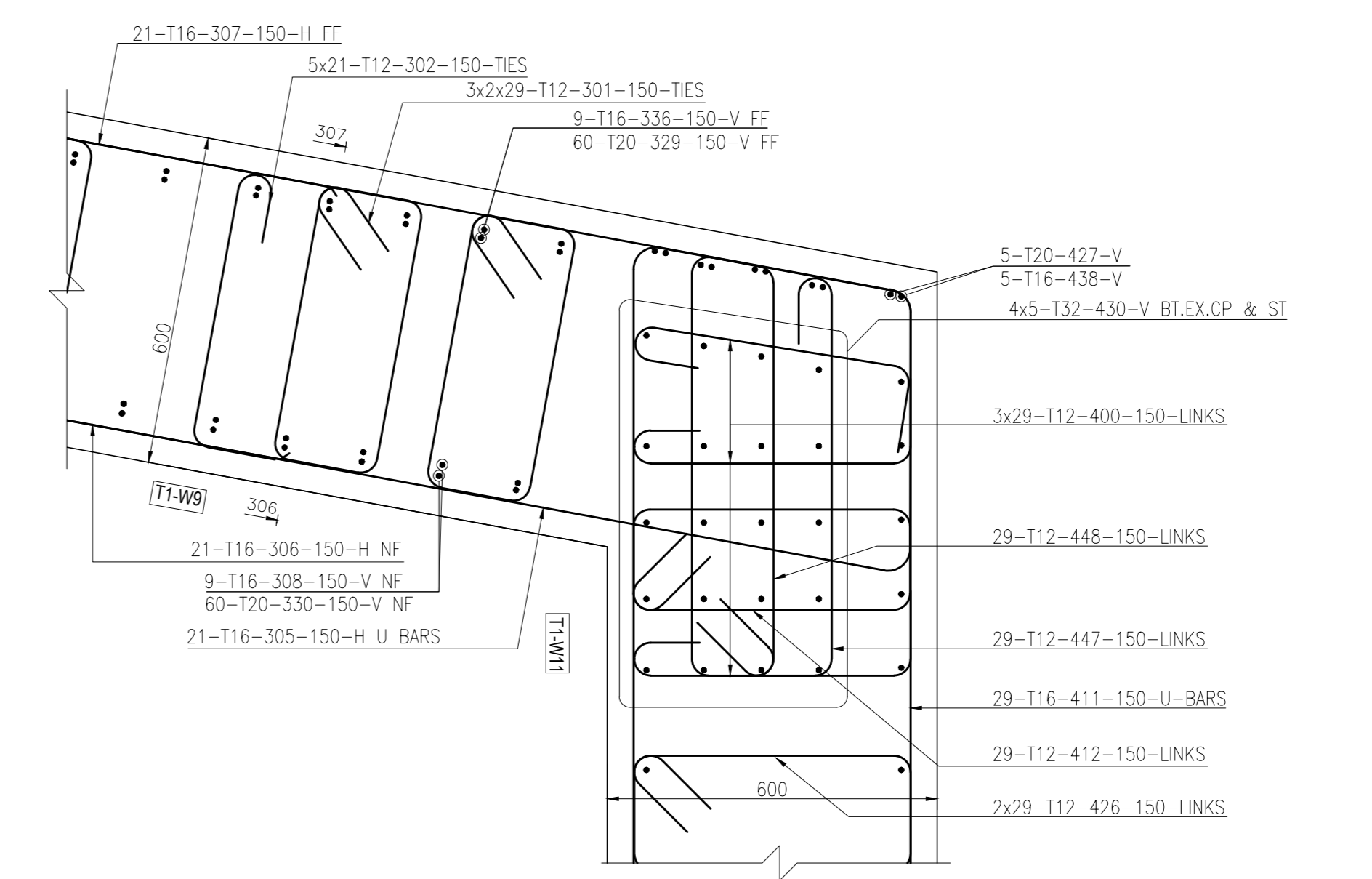
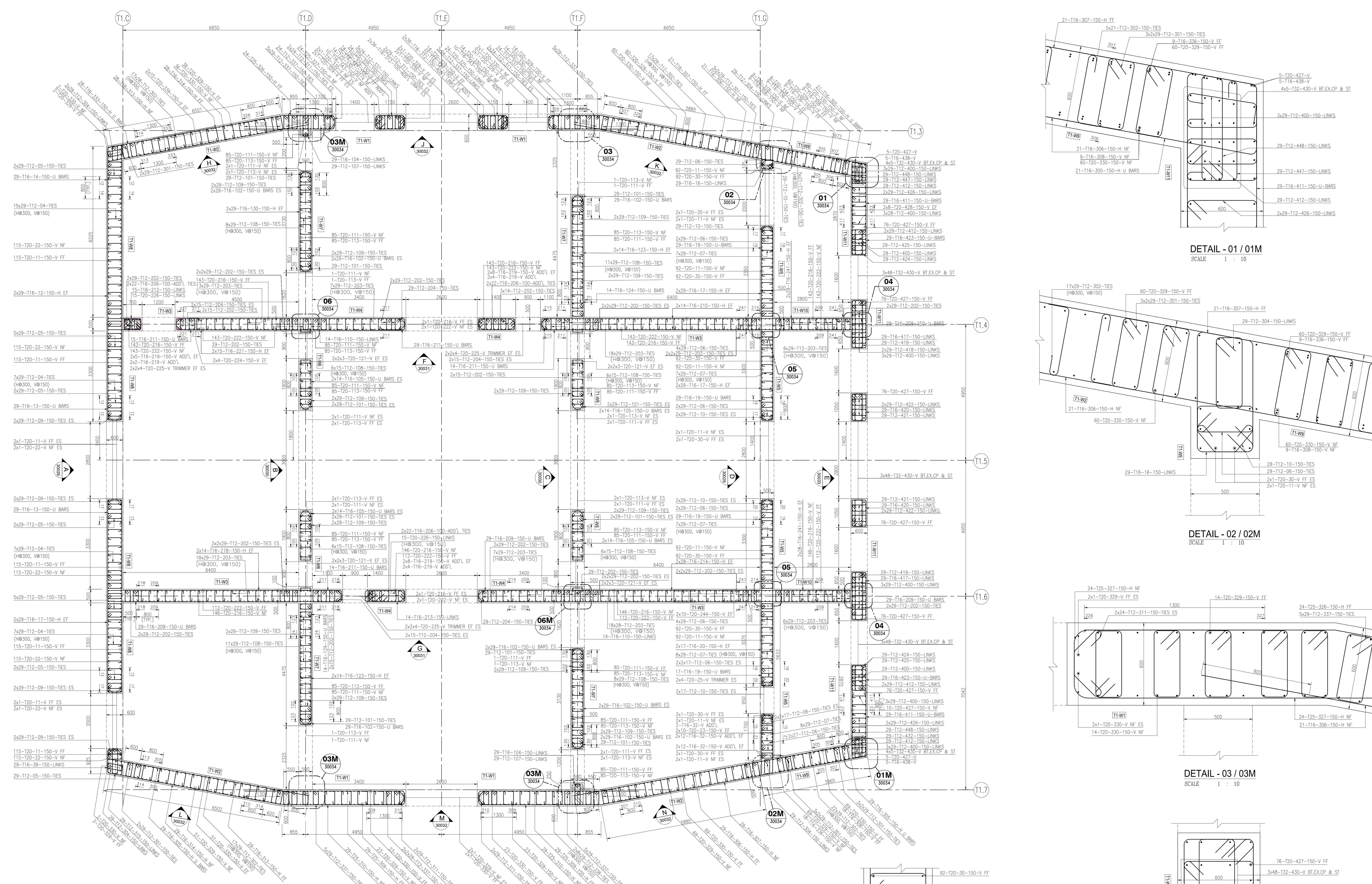
REFERENCES

PHASE	DRAWING NUMBER	TITLE	REV	DATE
001	9204-BP12A-MMJV-RFI-ST-NS-000-00038-002	LOWER GROUND GENERAL ARRANGEMENT	004	08/10/20
002	9204-BP12A-MMJV-RFI-ST-NS-000-00039-001	LEVEL OF GENERAL ARRANGEMENT PLAN	003	22/08/20
003	9204-BP12A-MMJV-RFI-ST-NS-000-00040-001	REINFORCING CORE WALL DETAILS	003	27/08/20
004	9204-BP12A-MMJV-RFI-ST-NS-000-00041-001	ABBREVIATION & SYMBOLS	002	01/09/20
005	9204-BP12A-MMJV-RFI-ST-NS-000-00042-001	STANDARD NOTES SHEET 1 & 3	002	01/09/20
006	9204-BP12A-MMJV-RFI-ST-NS-000-00043-001	REINFORCING CORE WALL DETAILS	003	27/08/20
007	9204-BP12A-MMJV-RFI-ST-NS-000-00044-001	REINFORCING CORE WALL DETAILS	003	27/08/20
008	9204-BP12A-MMJV-RFI-ST-NS-000-00045-001	CORE WALL KEY PLAN	003	07/08/20
009	9204-BP12A-MMJV-RFI-ST-NS-000-00046-001	TOWER CORE WALL ELEVATION LG TO L1	000	07/08/20
010	9204-BP12A-MMJV-RFI-ST-NS-000-00047-001	WALL REINFORCING SCHEDULE LG TO L1	001	27/08/20
011	9204-BP12A-MMJV-RFI-ST-NS-000-00048-001	TOWER BEAMS REINFORCEMENT SCHEDULE	001	27/08/20
012	9204-BP12A-MMJV-RFI-ST-NS-000-00049-001	STAIRCASE PLAN & SECTIONS LG TO L1	000	27/08/20
013	9204-BP12A-MMJV-RFI-ST-NS-000-00050-001	LINK BEAMS REINFORCEMENT SCHEDULE	001	27/08/20

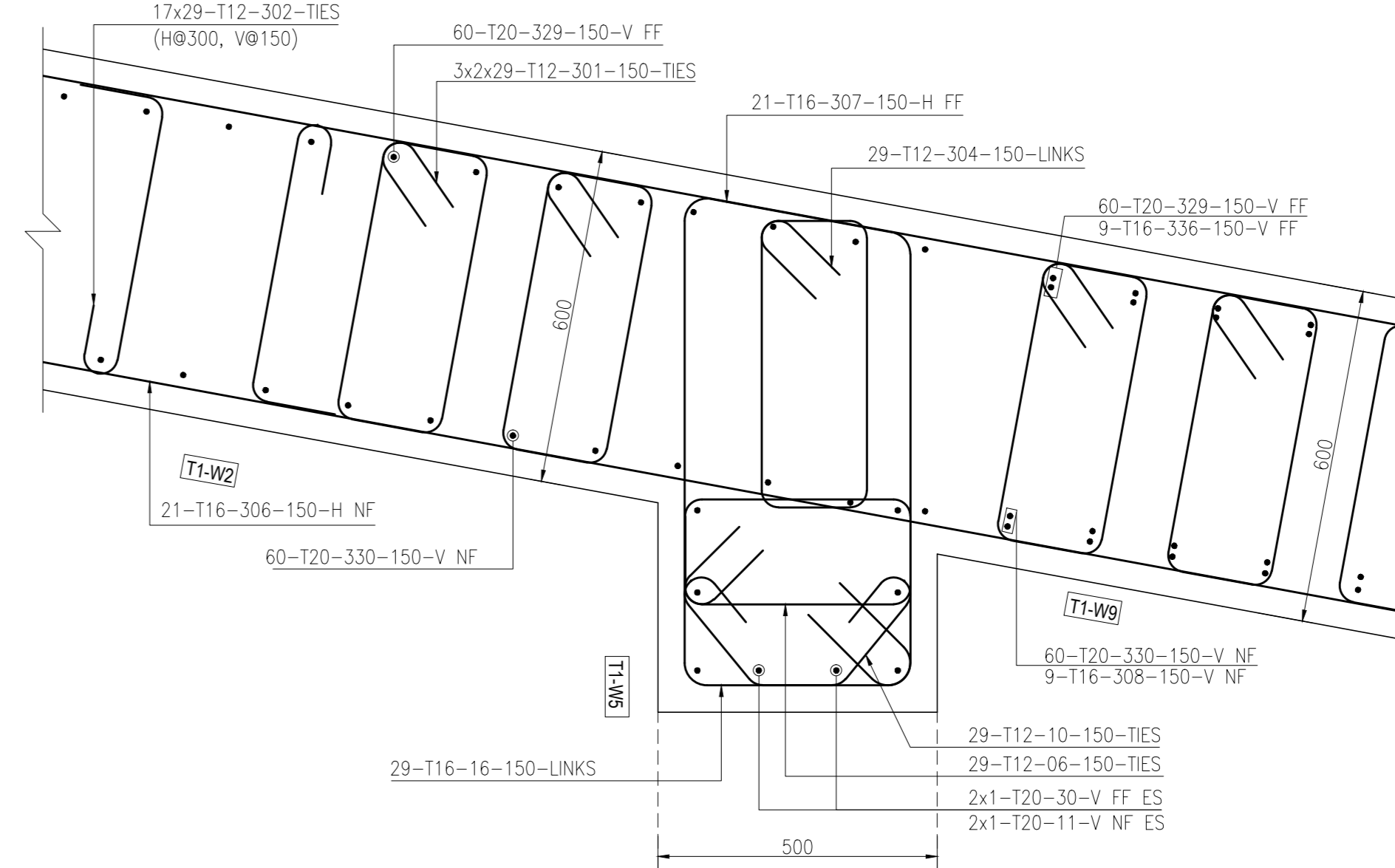
REVISIONS:

REV	DATE	REVISION DETAILS	Drawn	Chkd.	Appd.
002	27-03-2021	ISSUED FOR APPROVAL	SCN	SKS	-
001	09-10-2020	ISSUED FOR APPROVAL	SCN	SKS	-
000	15-07-2020	ISSUED FOR APPROVAL	SCN	SKS	-

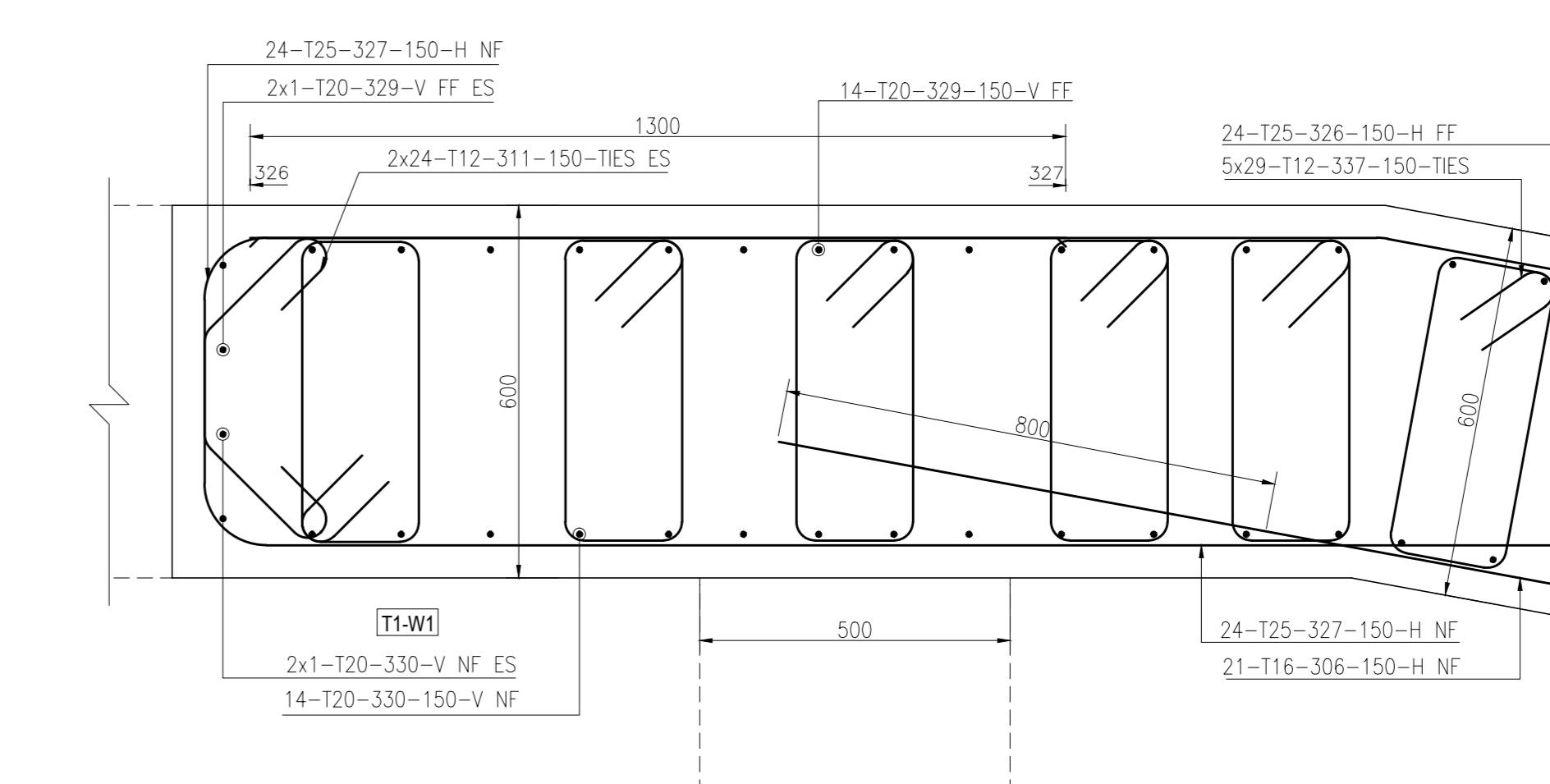
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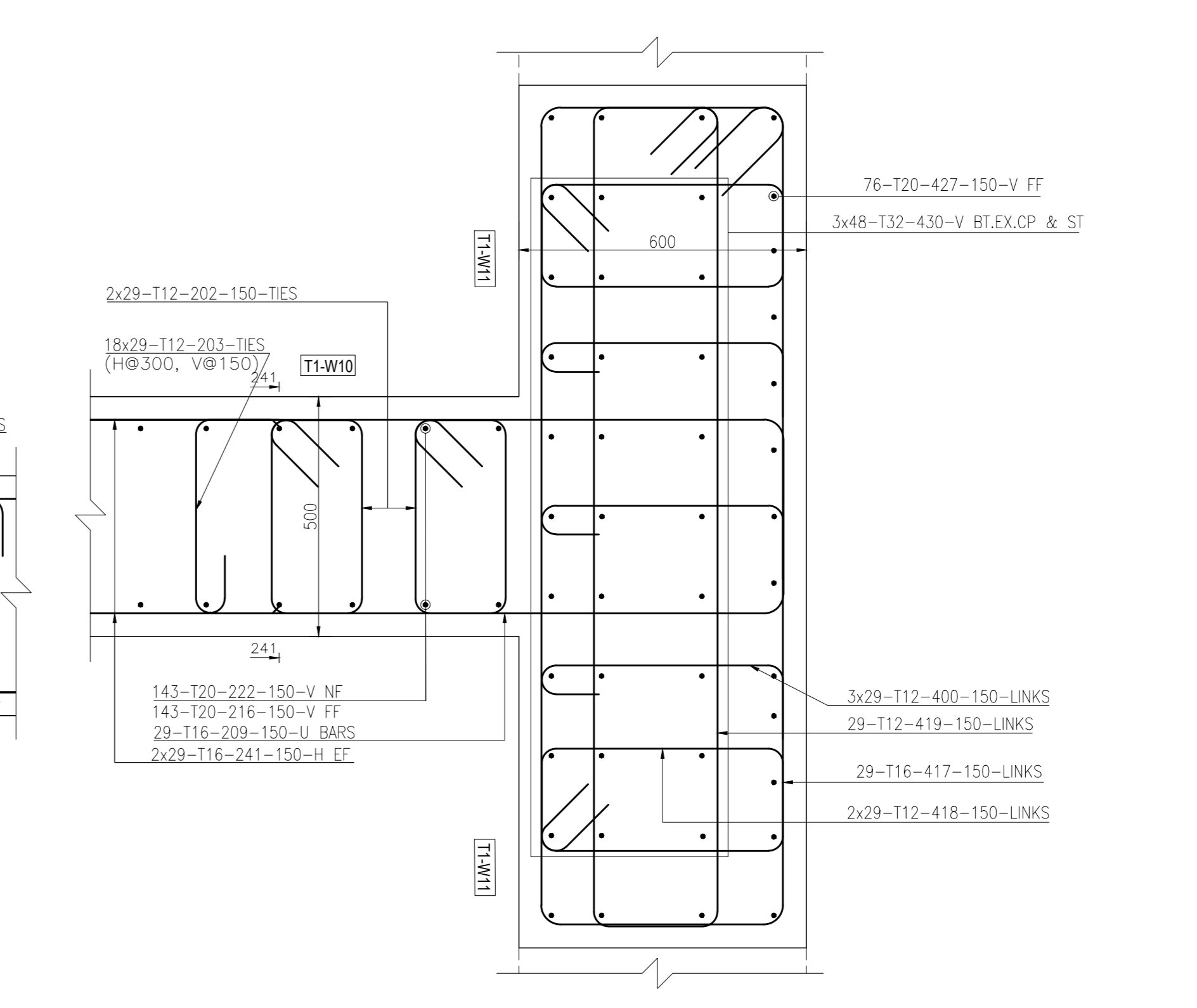
DETAIL - 01 / 01M  
SCALE 1 : 10



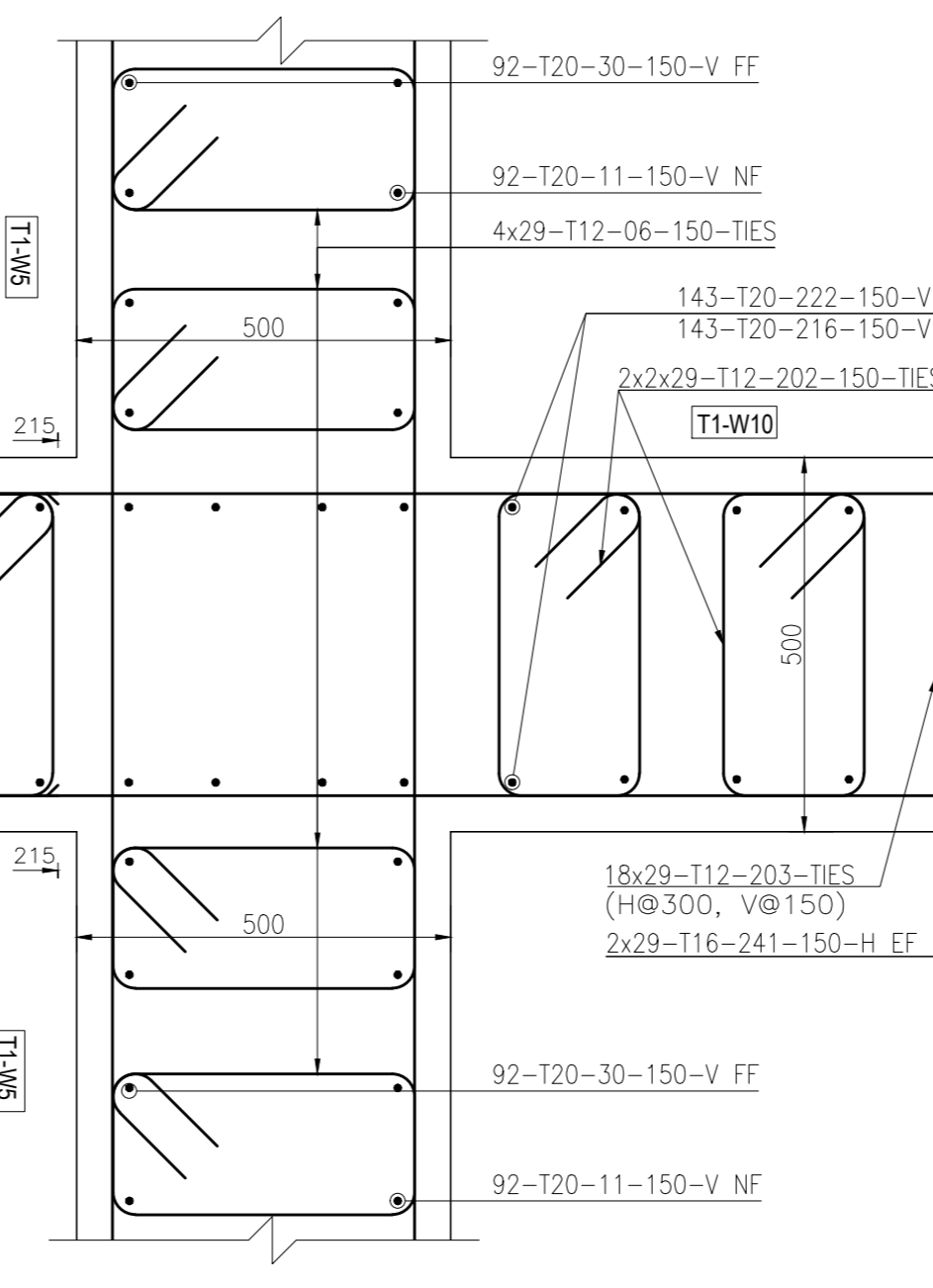
DETAIL - 02 / 02M  
SCALE 1 : 10



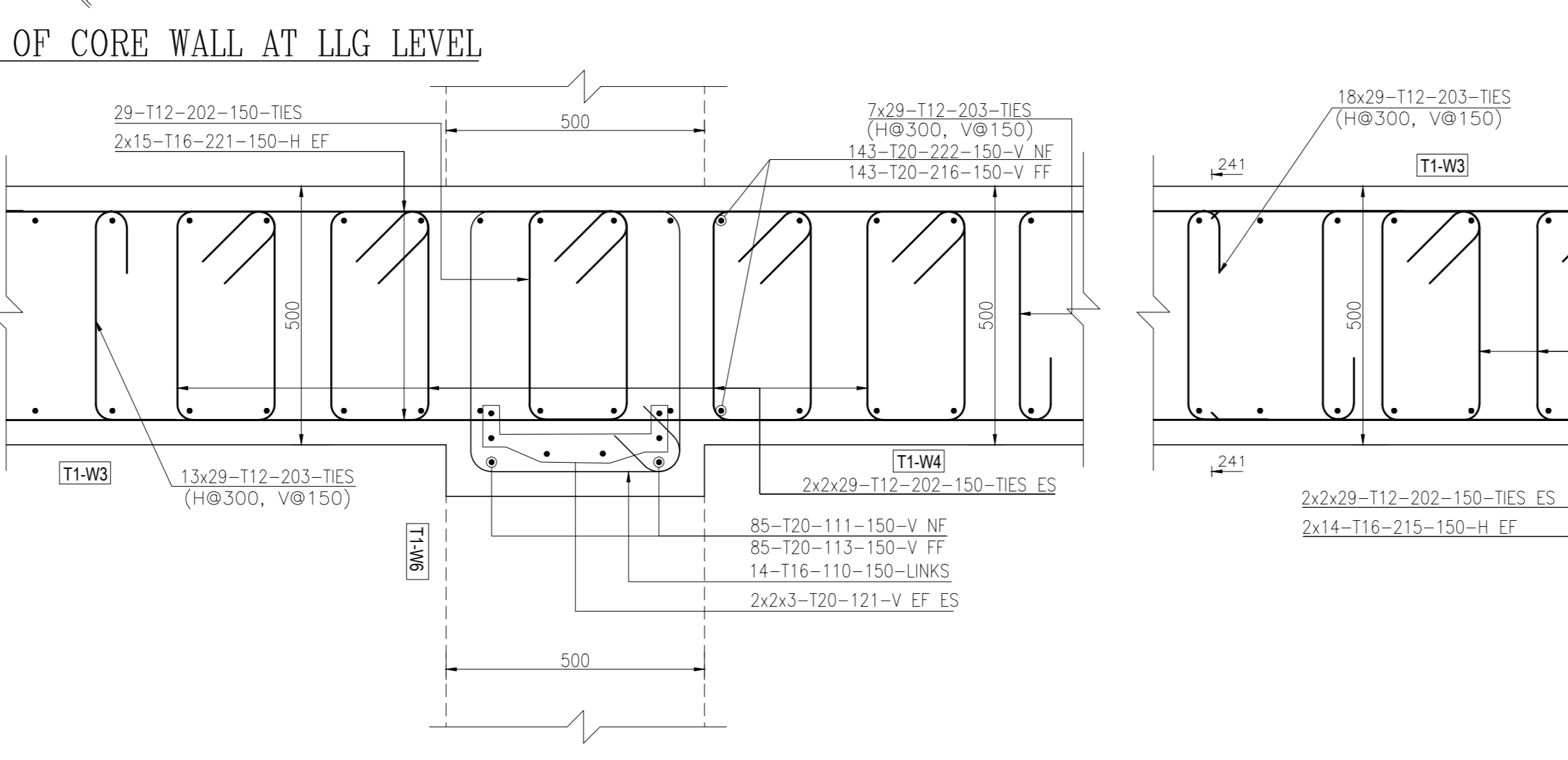
DETAIL - 03 / 03M  
SCALE 1 : 10



DETAIL - 04 / 04M  
SCALE 1 : 10



DETAIL - 05 / 05M  
SCALE 1 : 10



DETAIL - 06 / 06M  
SCALE 1 : 10

**A REINF. DETAILS OF CORE WALL AT LLG LEVEL**

SCALE 1:50

- 1. SHEAR FRICTION VERIFICATIONS:**  
 9204-BP12A-MMJV-RFI-ST-NS-000-00038-002  
 2. RFI FOR REVISED CORE WALL ELEVATIONS.  
 9204-BP12A-MMJV-RFI-ST-NS-000-00063  
 3. RFI REFERENCE FOR TOWER CRANE OPENINGS.  
 9204-BP12A-MMJV-RFI-ST-NS-000-00064  
 4. TYPICAL TRIMMER BARS FOR WALL OPENING GREATER THAN 900mm.  
 9204-BP12A-MMJV-RFI-ST-NS-000-00040-001  
 9205-BP12B-MMJV-RFI-ST-NS-000-00057-001

**ABBREVIATIONS:**  
 ES - EACH SIDE  
 EF - EACH FACE  
 FF - FARE FACE  
 NF - NEAR FACE  
 TYP. - TYPICAL  
 STG. - STAGGERED  
 CP - COUPLER  
 THK - THICKNESS  
 ALT. - ALTERNATE  
 H - HORIZONTAL  
 V - VERTICAL  
 SSL - STRUCTURAL SLAB LEVEL  
 TOL - TOP OF CONCRETE  
 EX. CP. - EXTENDED THREAD WITH COUPLER

BAR SIZE	DEVELOPMENT LENGTH CLASS 'B' (3*db)	LAP LENGTH CLASS 'B' (3*db)
12	500	600
16	600	800
20	800	1000
25	1000	1300
32	1300	1600

**GA. DRAWING REFERENCE:**  
 1. PLOT (1) - CORE WALL LAYOUT BASEMENT B01 LEVEL  
 9204-BP12A-MMJV-SW-ST-T1-B01-20028  
 2. PLOT (1) - CORE WALL LAYOUT LOWER GROUND LEVEL  
 9204-BP12A-MMJV-SW-ST-T1-LLG-20010  
 3. PLOT (1) - CORE WALL ELEVATIONS  
 9204-BP12A-MMJV-SW-ST-T1-000-30029 TO 30034  
 4. TYPICAL TRIMMER BARS FOR WALL OPENING GREATER THAN 900mm.  
 9204-BP12A-MMJV-SW-ST-T1-LLG-30049 TO 30051

**SHOP DRAWING REFERENCE:**  
 1. B01 TO LLG CORE WALL REIN. DETAILS REFER TO DRG NO. 9204-BP12A-MMJV-SW-ST-T1-000-30022 TO 30028  
 2. C1 Ø 150 TO C1 Ø 180 CORE WALL REIN. DETAILS REFER TO DRG NO. 9204-BP12A-MMJV-SW-ST-T1-000-30029 TO 30034  
 3. LLG PUL. OUT/COUPLER REIN. DETAILS REFER TO DRG NO. 9204-BP12A-MMJV-SW-ST-T1-LLG-30049 TO 30051



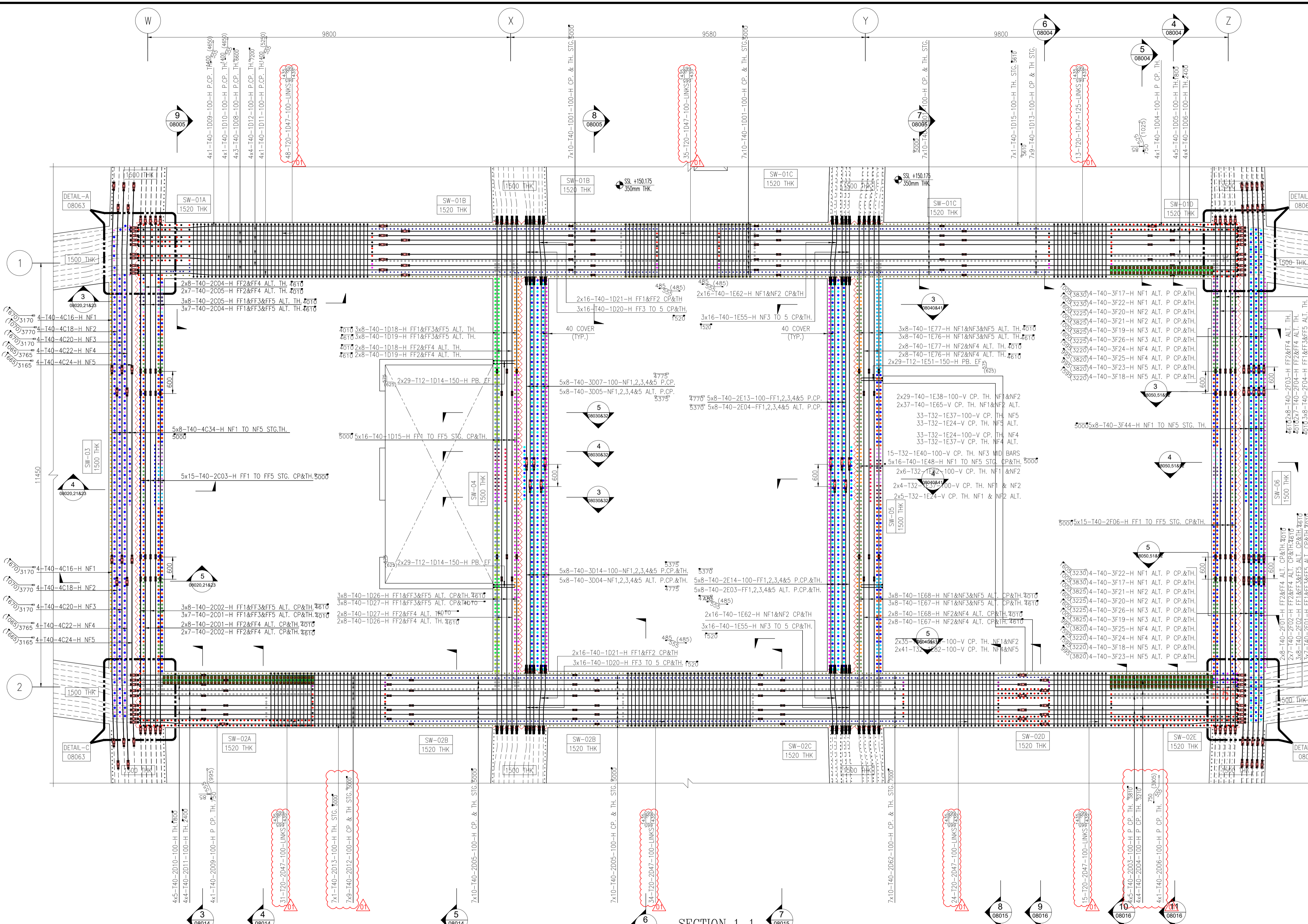
REVIEW STATUS	APPROVED	APPROVED AS NOTED	REJECTED	FOR INFORMATION
DATE REVIEWED				
REVIEWED BY				
DATE REVIEWED				
REVIEWED BY				

- Key Plan**
- 
- General Notes:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
  - DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  - ALL DIMENSIONS AND LEVELS ARE TO BE CONFIRMED AND ANY DISCREPANCIES OR ERRORS, SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
  - ALL CONCRETE EDGES AND CORNER SHOULD BE CHAMFER BY 25mm.
  - CONCRETE COVER & GRADES:
- | LOCATION         | MIX REF.   | COVER                               |
|------------------|------------|-------------------------------------|
| RETAINING WALLS  | C40 / 50-F | 75mm EARTH FACE, 50mm INTERNAL FACE |
| TOWER SLAB       | C50 / 70-S | 30mm                                |
| TOWER COLUMNS    | C75 / 90-S | 40mm                                |
| TOWER BEAR WALLS | C75 / 90-S | 40mm                                |
- STEEL GRADE - 500B
  - BAR MARK TO BE READ AS: 2#8 - T12 - 300 - B1

- Legends:**
- SSL - STRUCTURAL SLAB LEVEL
  - TYP - TYPICAL
  - THK - THICKNESS
  - CONSTRUCTION JOINT
  - TOW - TOP OF WALL
  - CP - COUPLER
  - TH - THREADED
  - BOO - BOTTOM OF OPENING
  - MIX REF.
  - H - HORIZONTAL
  - FF - FAR FACE
  - NF - NEAR FACE
  - PB - PULLOUT BARS
  - EF - EACH FACE
  - ES - EACH SIDE
  - STG - STAGGERED

- Drawing Reference:**
- DMCC-1A-WSP-ZZ-DR-STR-000010 TO 12 - GENERAL NOTES
  - DMCC-1A-WSP-ZZ-DR-STR-000030 TO 38 - STANDARD DETAILS
  - DMCC-1A-WSP-ZZ-DR-STR-500150-2 - CORE WALL SCHEDULE
  - DMCC-1A-WSP-ZZ-DR-STR-500151-2 - CORE WALL SCHEDULE
  - DMCC-1A-WSP-ZZ-DR-STR-500250-500254-B - LINK BEAM SCHEDULE

Rev.	Date	Description	Drn.	Ckd.	Appd.
01	14/10/20	REVISED AS PER COMMENTS	SMN	SUD	-
00	24/09/20	ISSUED FOR APPROVAL	SMN	SUD	-

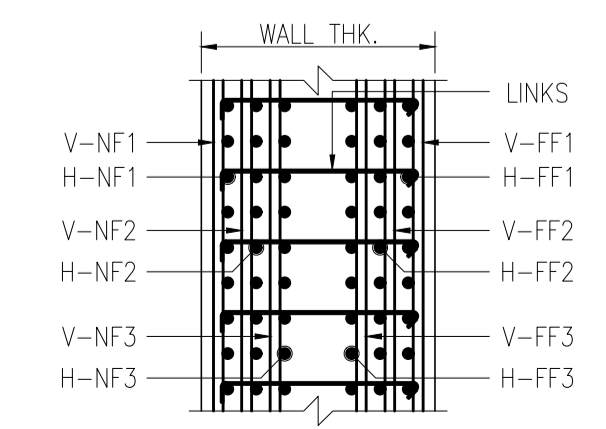


**SECTION 1-1**  
SCALE 1:50

- SHOP DRAWING REFERENCE:**
- +142.450m TO +145.250 CORE WALL REINF. DETAILS REFER TO DRG NO: DUT-CAD-SHD-RFN-TO-L30-08009 TO 08019.
  - +145.250 TO +150.175 CORE WALL REINF. DETAILS REFER TO DRG NO: DUT-CAD-SHD-RFN-TO-L31-08001 TO 08036.
  - L31 SLAB & BEAM PB REINF. DETAILS REFER TO DRG NO: DUT-CAD-SHD-RFN-TO-L31-03500 TO 03504.
  - L32 SLAB & BEAM PB REINF. DETAILS REFER TO DRG NO: DUT-CAD-SHD-RFN-TO-L32-03500 TO 03504.
  - L31 SLAB & BEAM REINF. DETAILS REFER TO DRG NO: DUT-CAD-SHD-RFN-TO-L31-03506 TO 03509.
  - L32 SLAB & BEAM REINF. DETAILS REFER TO DRG NO: DUT-CAD-SHD-RFN-TO-L32-03510 TO 03512.

- JUMP FORM DRAWING REFERENCE:**
- DUT-CNX-SHD-MTH-TO-L02-03040 TO 48\_00

- GA DRAWING REFERENCE:**
- DUT-SIM-SHD-CON-TO-L32-08000 TO 08003 CORE WALL ELEVATIONS

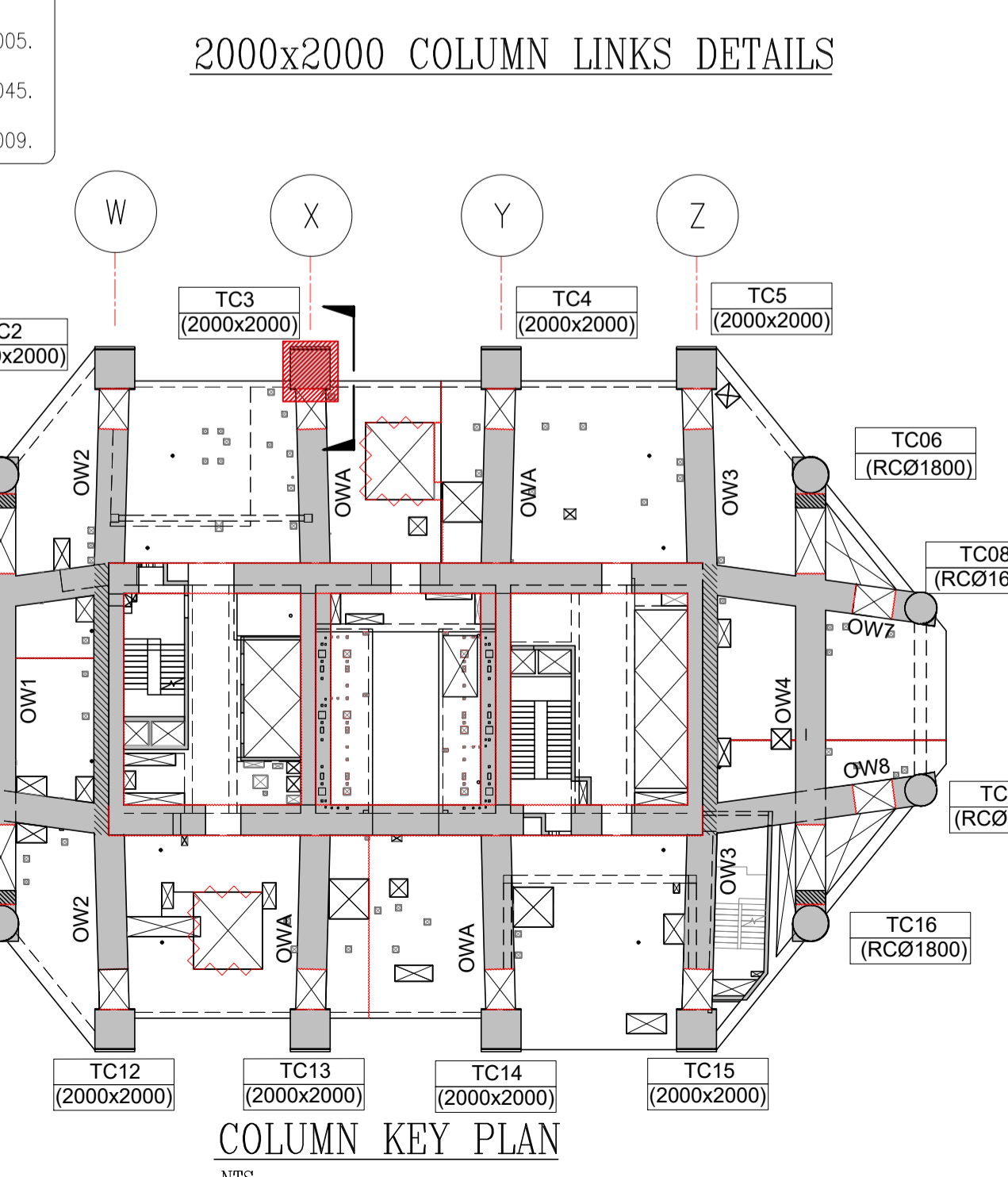
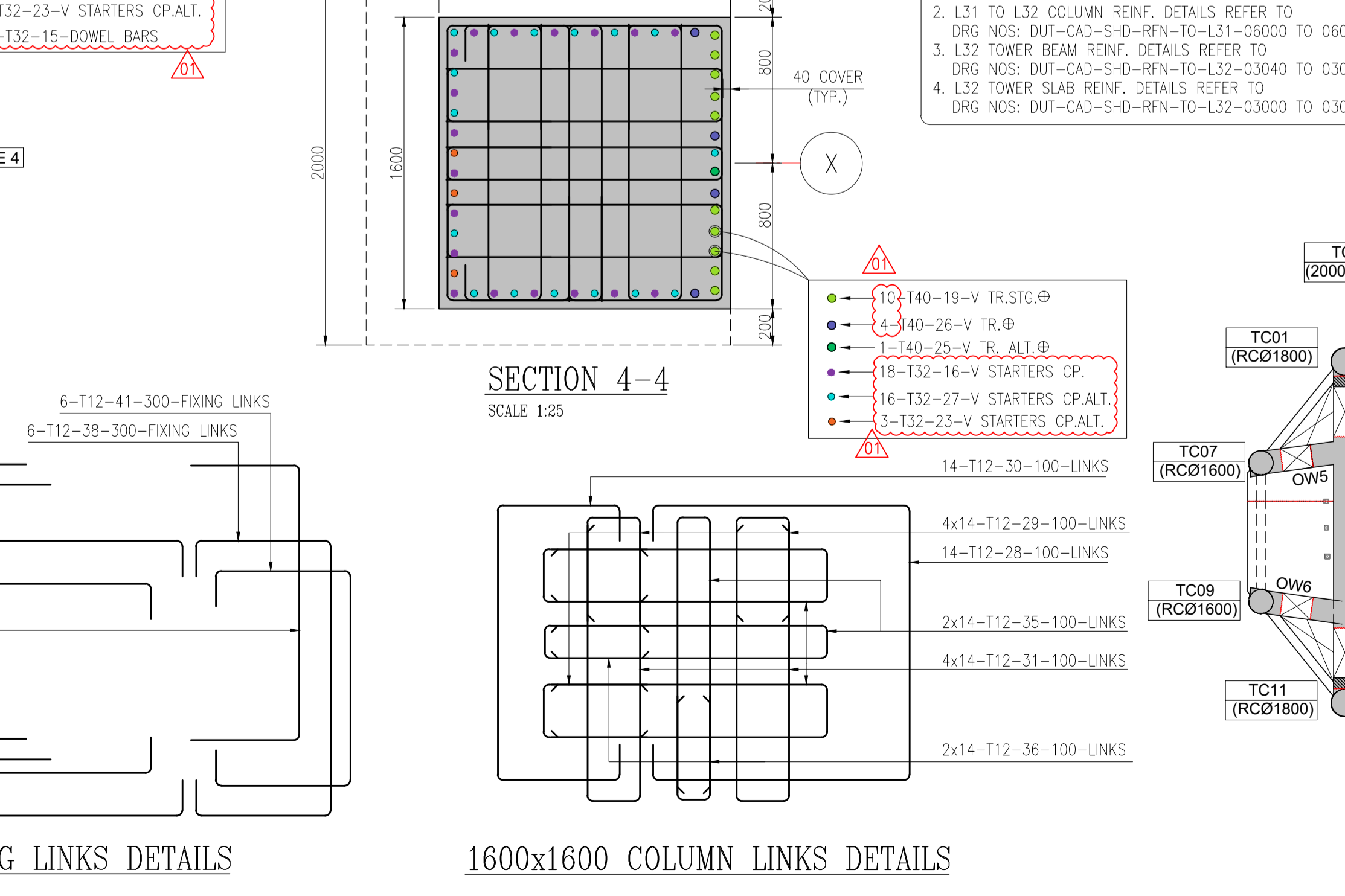
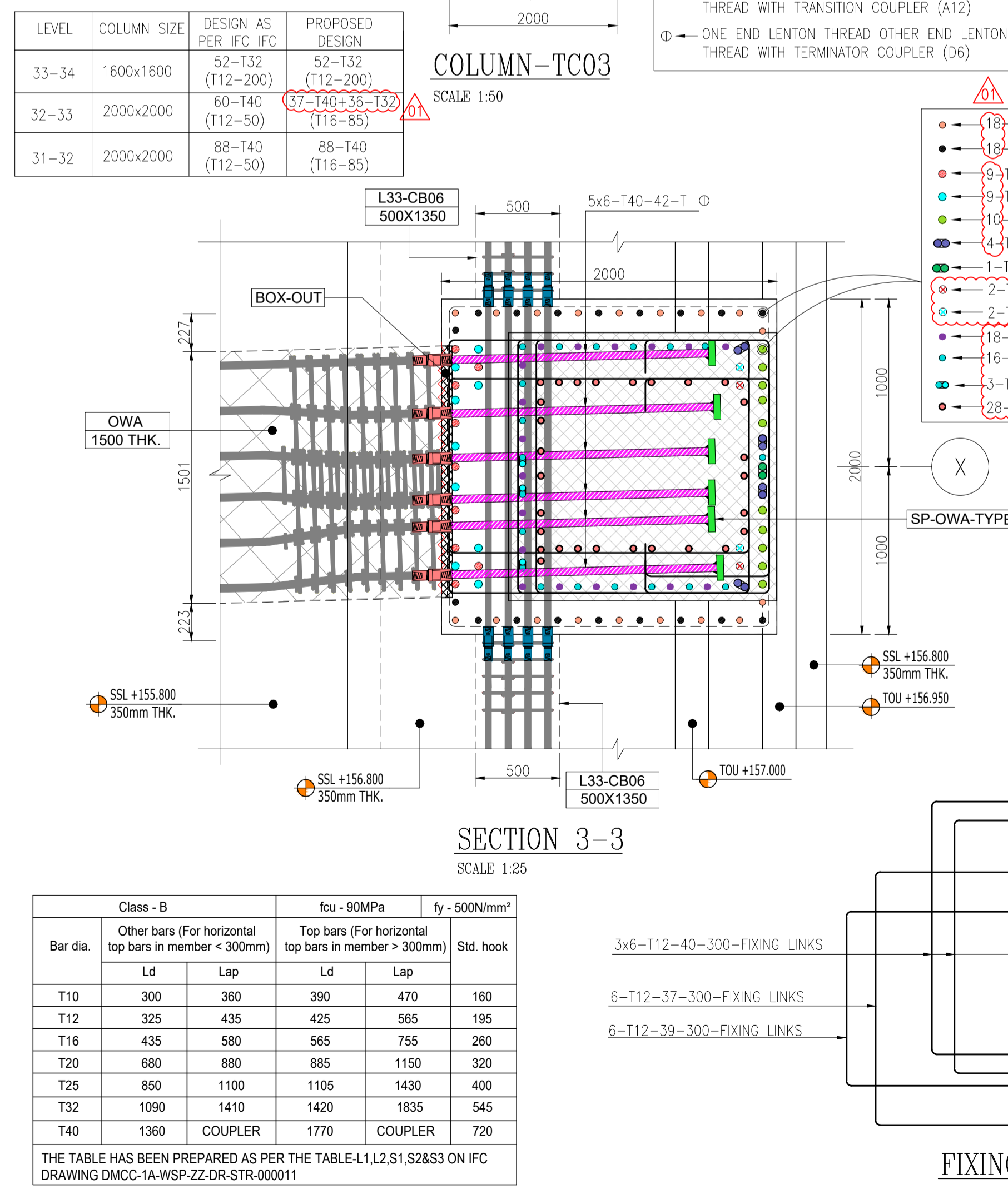
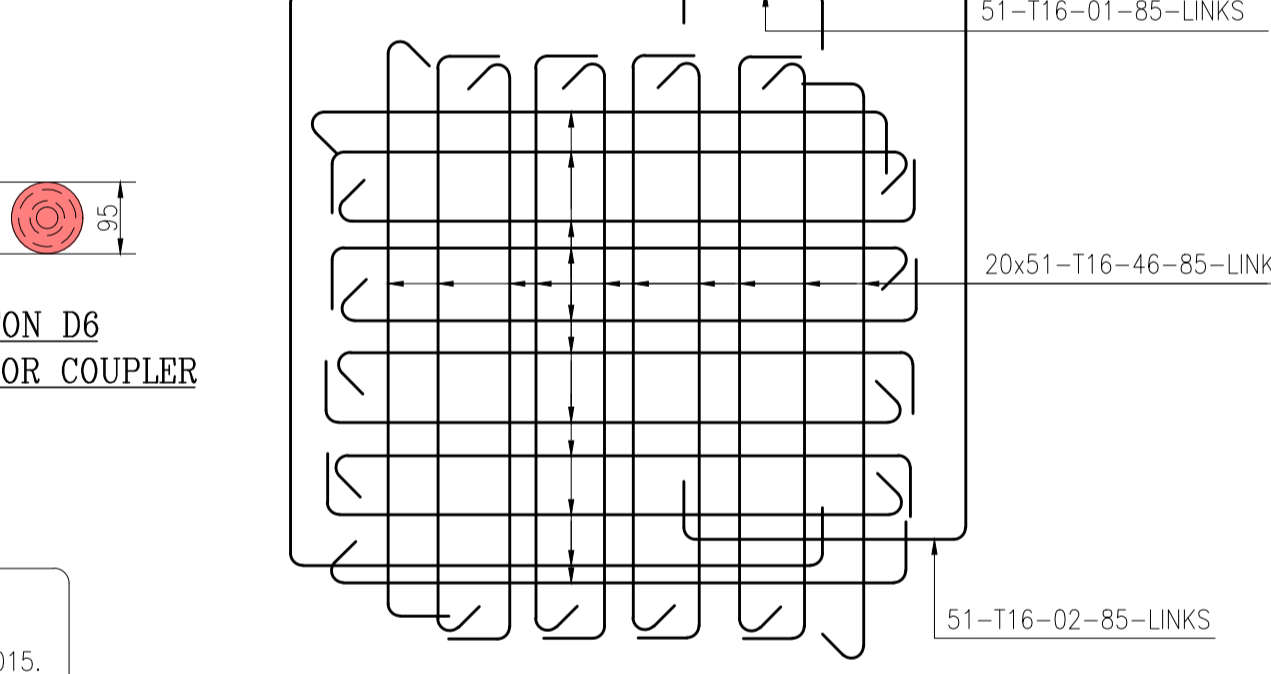
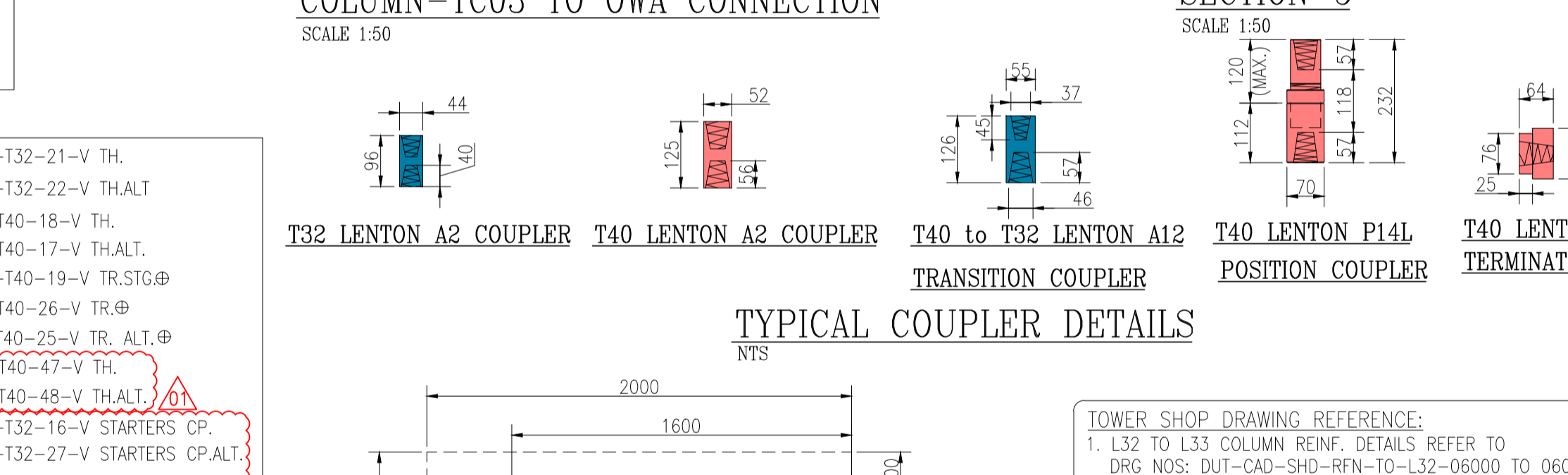
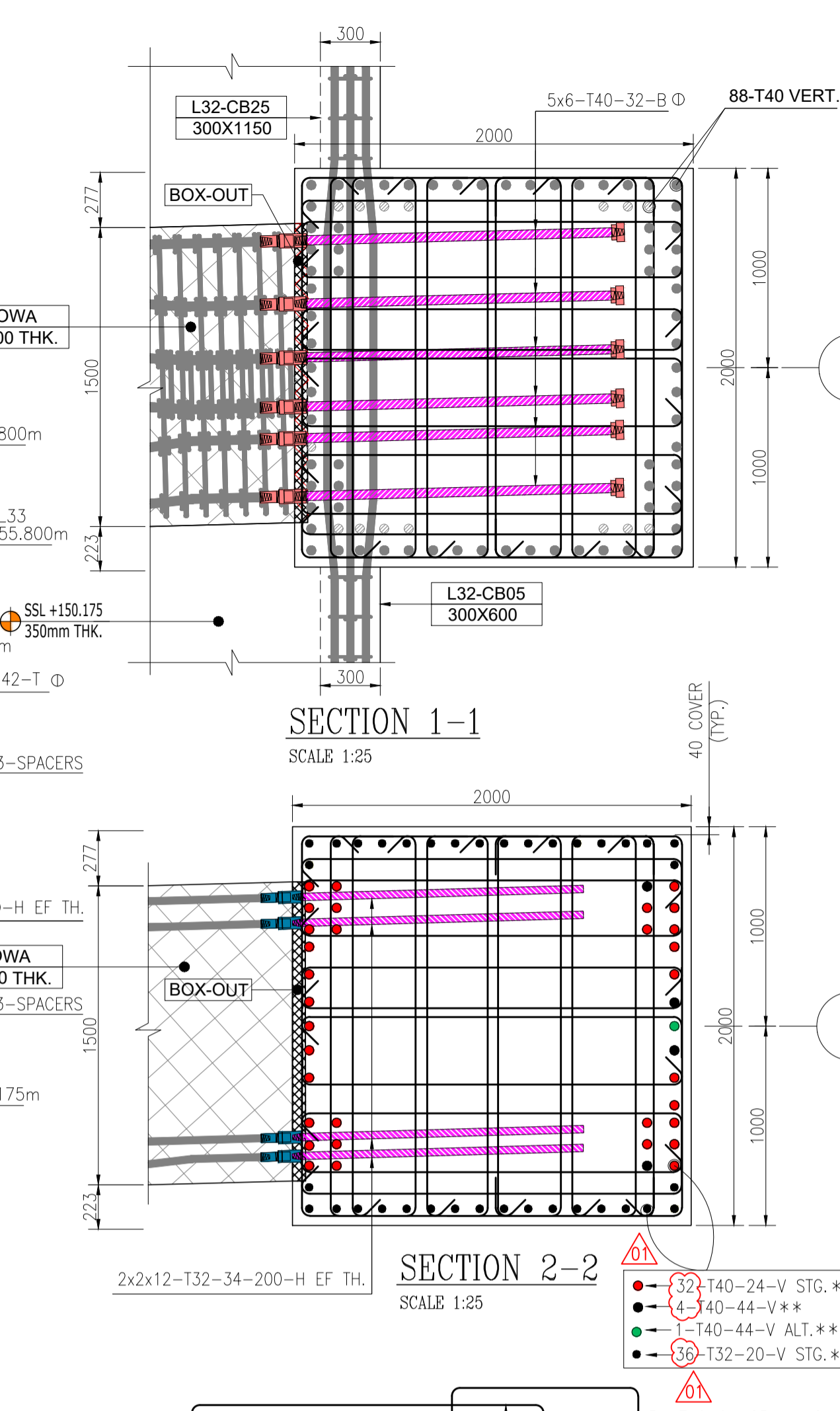
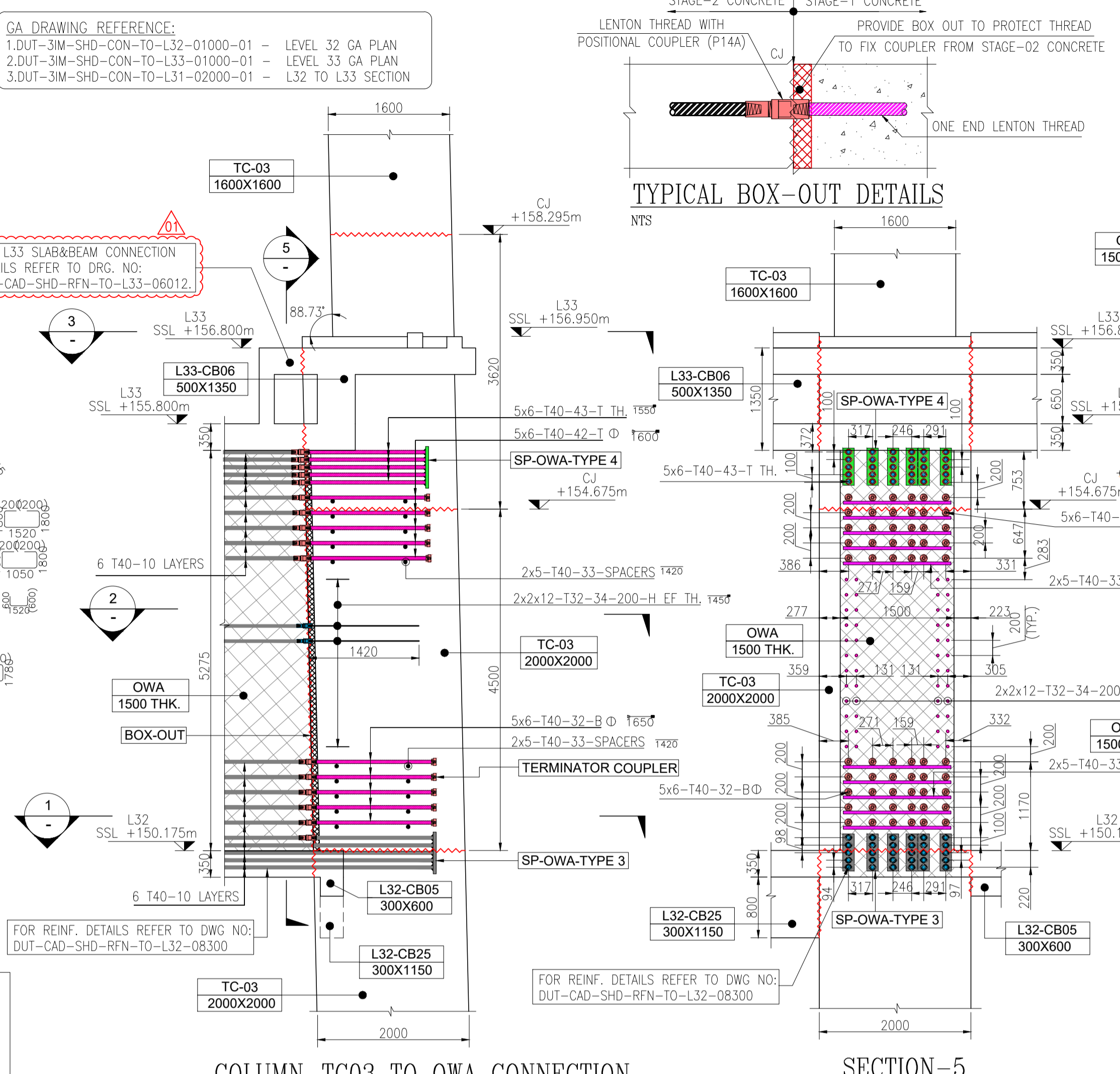
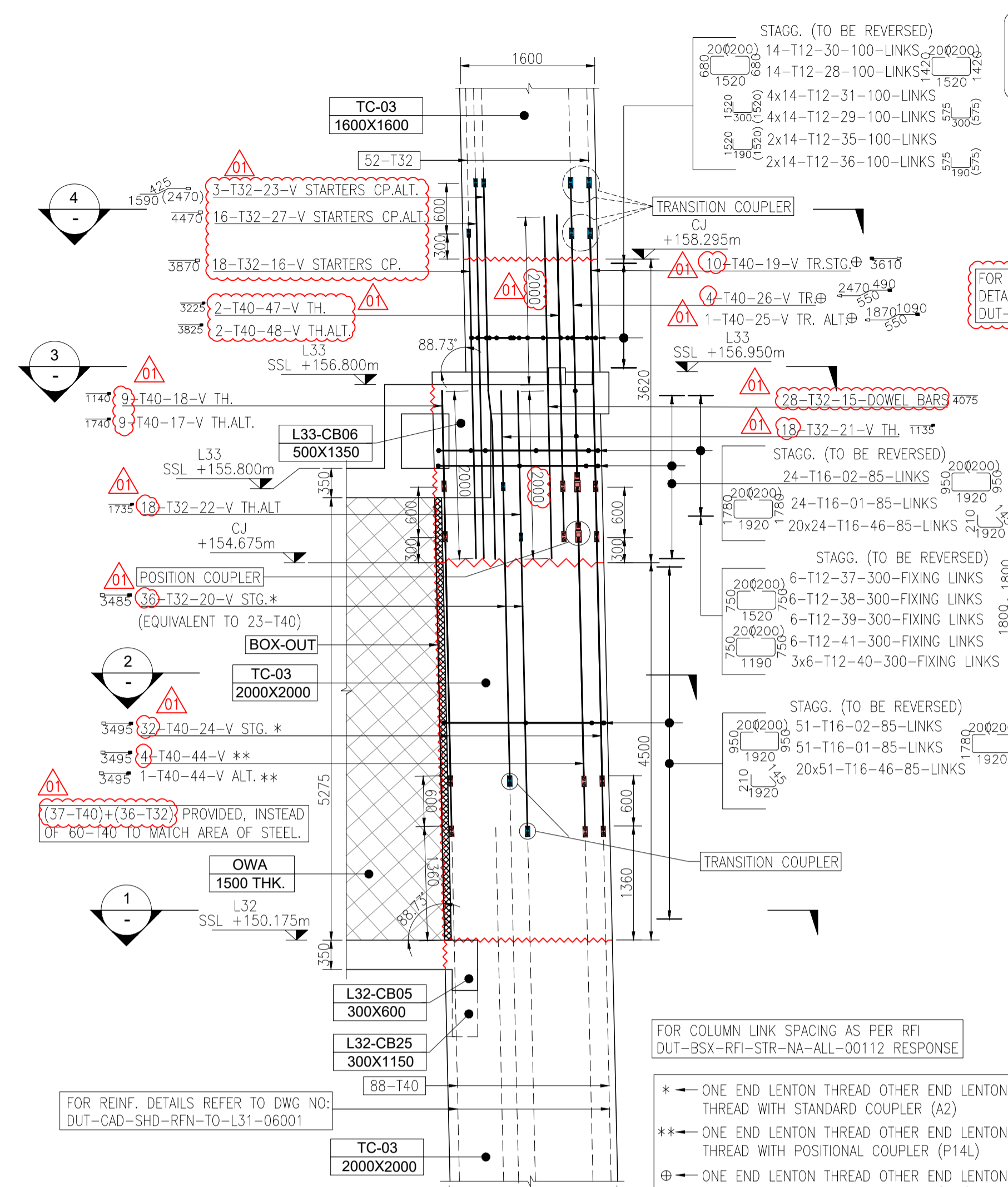


**REIN. LAYER REFERENCE**  
NTS

Bar dia.	Class - B		f <sub>cu</sub> - 90MPa		fy - 500N/mm <sup>2</sup>
	Other bars (For horizontal top bars in member < 300mm)		Top bars (For horizontal top bars in member > 300mm)		
	Ld	Lap	Ld	Lap	
T10	270	360	390	470	160
T12	325	435	425	565	195
T16	435	580	565	755	260
T20	680	880	885	1150	320
T25	850	1100	1105	1430	400
T32	1090	1410	1420	1835	545
T40	1360	COUPLER	1770	COUPLER	720

THE TABLE HAS BEEN PREPARED AS PER THE TABLE L1.L2.S1.S2&S3 ON IFC DRAWING DMCC-1A-WSP-ZZ-DR-STR-000011





Class - B	fcu - 90MPa		fy - 500N/mm <sup>2</sup>		
	Other bars (For horizontal top bars in member < 300mm)	Top bars (For horizontal top bars in member > 300mm)	Ld	Lap	Std. hook
T10	300	360	390	470	160
T12	325	435	425	565	195
T16	435	580	565	755	260
T20	680	880	885	1150	320
T25	850	1100	1105	1430	400
T32	1090	1410	1420	1835	545
T40	1360	COUPLER	1770	COUPLER	720

THE TABLE HAS BEEN PREPARED AS PER THE TABLE-L1,L2,S1,S2&S3 ON IFC DRAWING DMCC-1A-WSP-ZZ-DR-STR-000011

**REVIEW STATUS**

	APPROVED	APPROVED AS NOTED	REJECTED	FOR INFORMATION
DATE REVIEWED				
REVIEWED BY				
DATE REVIEWED				
REVIEWED BY				

**Key Plan**

**General Notes:**

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. MENTIONED SIZE DRAWING SET IS FULL SIZE.
- ALL DIMENSIONS AND LEVELS ARE TO BE CONFIRMED AND ANY DISCREPANCIES OR ERRORS SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- ALL CONCRETE EDGES AND CORNER SHOULD BE CHAMFER BY 25mm.
- CONCRETE COVER & GRADES:
 

LOCATION	MIN. REF. COVER	COVER
RETAINING WALLS	C40 / 50-F	75mm EARTH FACE, 50mm INTERNAL FACE
PODIUM SLAB	C40 / 50-S	25mm ALL SIDES
PODIUM BEAM	C40 / 50-S	40mm ALL SIDES
TOWER COLUMNS	C75 / 90-S	40mm
TOWER SHEAR WALLS	C75 / 90-S	30mm
TOWER SLAB	C56 / 70-S	30mm ALL SIDES
TOWER BEAM	C56 / 70-S	60mm TOP, 40mm BOTTOM & SIDES
- STEEL GRADE - S06B
- BAR MARK TO BE READ AS: 2#8 - T12 - 30 - 200 - B1
- TWO FACE BARS
- NUMBER OF BARS
- DIA OF BARS IN mm
- BAR MARK
- SPACING OF BARS IN mm
- INDICATES BAR LAYER

**Legends:**

- SSL - STRUCTURAL SLAB LEVEL
- TYP. - TYPICAL
- STG. - STAGGERED
- ALT. - ALTERNATE
- CP. - COUPLER
- TH. - THREADED
- TR. - TRANSITION
- V - VERTICAL
- H - HORIZONTAL
- T - TOP
- B - BOTTOM
- THK. - THICKNESS
- CONSTRUCTION JOINT

**Drawing Reference:**

- DMCC-1A-WSP-ZZ-DR-STR-000010 TO 12 - GENERAL NOTES
- DMCC-1A-WSP-ZZ-DR-STR-000030 TO 38 - STANDARD DETAILS
- DMCC-1A-WSP-32-DR-STR-140136-01 - LEVEL 32
- DMCC-1A-WSP-32-DR-STR-140136-02 - LEVEL 33
- DMCC-1A-WSP-ZZ-DR-STR-500105 - COLUMN SCHEDULE
- DMCC-1A-WSP-ZZ-DR-STR-500106 - COLUMN SCHEDULE
- DMCC-1A-WSP-ZZ-DR-STR-500111 TO 500117 - COLUMN DESIGN SECTION
- BBS REF. NO. DUT-CAD-BBS-RFN-TO-L32-06001