Appendix A Sample Drawings

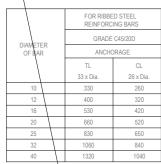
-Software 1 -Software 2

Software 1

GENERAL NOTES FOR REINFORCED CONCRETE STRUCTURE:

- HONG KONG BUILDING (CONSTRUCTION) REGULATION, 1990
- STRUCTURAL USE OF CONCRETE, 2013
- CODE OF PRACTICE ON WIND EFFECTS, HONG KONG, 2004
- CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS, 2011
- CODE OF PRACTICE FOR DEAD AND IMPOSED LOADS, 2011 STRUCTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND
- ER RELEVANT DRAWINGS
- OTHER RELEVANT DRAWINGS. STEEL REINFORCEMENTS FOR CONCRETE SHALL COMPLY WITH THE CONSTRUCTION STANDARD CS2 : 2012 MINIMUM CHARACTERISTIC STRENGTH OF : 500MPa FOR RIBBED STEEL REINFORCING BARS GRADE 500B/C, 250MPa FOR PLAN REINFORCING BARS GRADE 250. MINIMUM BOND / LAP LENGTH OF REINFORCEMENT FOR ALL STRUCTURAL ELEMENTS SHALL BE AS SPECIFIED IN THE FOLLOWING SCHEDULE:

SCHEDULE OF LAP & ANCHORAGE LENGTH FOR DESIGN TO COP 2013



- LEGEND : 1. TL = LAP OR ANCHORAGE LENGTH UNDER TENSION OR LAP LENGTH UNDER COMPRESSION CL = ANCHORAGE LENGTH UNDER COMPRESSION 2. NO SPILCING OF REINFORCEMENT OTHER THAN THOSE SHOWN ON THE DRAWING IS ALLOWED UNLESS OTHERWISE APPROVED BY THE ENGINEER AND TJ. SHALL BE PROVIDED. 3. NOMINAL LAP AND ANCHORAGE FOR DISTRIBUTION BARS TO BE 300 OR WHICHEVER THE GREATER. LAP LENGTH FOR UNEQUAL SIZE BARS SHALL BE BASED UPON THE SMALLER BAR. FOR THE FOLLOWING PROVISIONS a) OR b) APPLY, THE LAP LENGTH SHOULD BE INCREASED BY A ELEMENT OF A SHORE AND A SHORE AND A SHORE AND THE SHOULD BE INCREASED BY A

 - THE FOLLOWING PROVISIONS a) OR b) APPLY, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 1.4. a) WHERE A LAP OCCURS AT THE TOP OF A SECTION AS CAST AND THE MINIMUM COVER IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMENT. b) WHERE A LAP OCCURS AT THE CORNER OF A SECTION AND THE MINIMUM COVER TO EITHER FACE IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMENT, OR WHERE THE CLEAR DISTANCE BETWEEN ADJACENT LAPS IS LESS THAN 75mm OR SIX TIMES THE SIZE OF THE LAPPED REINFORCEMENT, WHICHEVER IS THE GREATER. IF BOTH PART a) & b) CONDITION APPLY, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 20
 - FOR REFERENCE ONLY

 ALL NOMINAL LAPS OF DISTRIBUTION BAR FOR SLABS AND WALLS SHALL BE 300 MINIMUM UNLESS OTHERWISE SPECIFIED.
 FOR DETAILS OF STRUCTURAL FALLS, SEE APPROPRIATE STRUCTURAL AND ARCHITECTURAL DRAWINGS.
 CONCRETE TO SE DESIGNED MIX CONCRETE AS SPECIFIED IN THE FOLLOWING SCHEDULE TO CS1 2010 AND THE GRADE DESIGNATIONS GIVEN ARE THE CHARACTERISTIC CUBE STRENGTH AT 28 DAYS AND THE MAXIMUM AGGREGATE SIZE 20mm. UNLESS OTHERWISE STARTED ON THE DRAWINGS.

	1	۱. ۱
MEMBER	GRADE	7
BEAMS, SLABS AND WALLS	C45/20	Τ
COLUMNS	C45/20	Ν
WATER TANKS	C45/20	١٢

- THE EQUIVALENT SODIUM OXIDE IN CONCRETE MIX SHALL NOT EXCEED 10 kg/m³ OF CONCRETE. CORRESPONDING TEST CERTIFICATES ON ALKALI CONTENT IN CEMENT, ADMITURES, AGGREGATE ETC., ISSUED BY A HOKLAS LABORATORY AND CALCULATION OF THE EQUIVALENT SODIUM OXIDE SHOULD BE SUBMITTED TO THE RSE QUARTERLY.
 CONCRETE CUBES SHALL BE MADE AND TESTED WITH TEST REPORT IN ACORDANCE WITH THE PROVISIONS OF THE HONG KONG BUILDING (CONSTRUCTION) REGULATIONS. 1990 AND THE CONSTRUCTION STANDARD CS1: 2010, EXCEPT SECTION 7.1.
 ININESS CONTENTE CONSTRUCTION STANDARD CS1: 2010, EXCEPT SECTION 7.1.
- 10. UNLESS OTHERWISE STATED, CONCRETE COVER TO ALL REINFORCEMENT SHALL BE AS SPECIFIED IN THE FOLLOWING SCHEDULE OR EQUAL TO THE DIAMETER OF THAT REINFORCEMENT, WHICHEVER IS THE GREATER

IN CONTACT WITH EARTH	SLAB	STAIR	BEAM	COLUMN	WALL
1) CAST ON BLINDING	50	50	50	50	qe
2) CAST AGAINST SOIL	75	75	75	75	75

11. CONCRETE COVER SHALL ALSO FULFIL THE REQUIREMENT FOR APPROPRIATE FIRE RESISTANCE RATING AS SPECIFIED IN THE CODE OF PRACTICE FOR FIRE RESISTING CONSTRUCTION OR INMINAL COVER FOR DURABILITY WHICHEVER IS GREATER.

		RETE COV REINFORCE		NOMINAL	
	120 MINS. F.R.P.	60 MINS. F.R.P.	240 MINS. F.R.P.	COVER FOR DURABILITY	
SLAB, SIMPLY SUPPORTED	35	25	55 *	35	
SLAB, CONTINUOUS	25	25	45 *	35	
STAIR	35	25	55 *	35	
BEAM, SIMPLY SUPPORTED	50 *	30	80 *	40	\
BEAM, CONTINUOUS	50	30	60 *	40	\
COLUMN	35	25	35	35	
WALL	25	25	25	35	
WALL SLAB FOR WATER TANK	40	40	40	40	

- REINFORCEMENT CONSISTING OF EXPANDED METAL LATH OR A WIRE FABRIC NOT LIGHTER THAN 0.5 kg/m² WITH 2mm DIAMETER WIRE AT NOT MORE THAN 100mm CENTRES OR A CONTINUOUS ARRANGEMENT OF LINKS AT NOT MORE THAN 200mm CENTRES SHALL BE INCORPORATED IN THE CONCRETE COVER AT A DISTANCE NOT EXCEEDING 20mm FROM THE FACE OF THE STRUCTURAL MEMBERS SURROUGHING THE PLANTMACHINE ROOMS AND AT OTHER AREAS REQUIRING 120 MINS. R.R. AS SPECIFIED IN THE GENERAL BUILDING PLANS.
- 12 CONSTRUCTION JOINTS TO BE POSITIONED AS FOLLOWS -
- UNIS REQUIRE CONTROL OF BE OFFICIAL AND AT ONE-THIRD OF THE SPAN. THE JOINT IN A FLAB TO BE VERTICAL, AT ONE-THIRD OF THE SPAN. THE JOINT IN A FLAB TO BE VERTICAL, AT ONE-THIRD OF THE PANEL AND PARALLEL TO THE ENFORCEMENT. THE JOINT IN COLUMNS TO BE AT THE UNDERSIDE OF THE LOWEST BEAM OVER THE COLUMNS OR AT THE JOINT IN COLUMNS TO BE AT THE UNDERSIDE OF THE LOWEST BEAM OVER THE COLUMNS OR AT
- 5mm ABOVE FLOOR LEV OT SHOWN SHOULD BE LOCATED TO THE APPROVAL OF THE ENGINEER. 3. CONSTRUCTION JOINTS WHERE I 14. DURING CONSTRUCTION THE STRUFOR REFERENCE ONLY ED IN A STABLE CONDITION AND NO PART
- SHALL BE OVERSTRESSED.
- SHALL BE OVERSTRESSED. 15. SIZE OF CONCRETE ELEMENTS DOES NOT INCLUDE THICKNESS OF VPPLIED FINISHES. 16. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE. 17. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER. THE CONCRETE COVER TO EMBEDDED PIPES OR CONDUITS SHALL BE A MINIMUM RO 20000. HIR AFFROVAL OF THE ENGINEER. THE CONCRETE COVER TO ENNEEDED FIELS ON CONDUCTS SHALL I MINIMUM OF 20mm.
 WATER BORNE PIPES SHALL NOT BE PLACED WITHIN R.C. CONCRETE WITHOUT THE APPROVAL OF THE
- BUILDINGS DEPARTMENT, AP AND RSE. 19. SPACER BARS SHALL BE OF DIAMETER = 25mm OR DIAMETER OF MAIN BAR WHICHEVER IS GREATER
- @1.5m c/c. 20. ALL ROOF SCREEDING TO BE LIGHT WEIGHT CONCRETE OF DENSITY BETWEEN 1600 TO 1700kg/m³ AND
- ALL ROD'S SCREEDING TO BE LIGHT WERTIGHT CONCRETE OF DENSITY BETWEEN 1600 TO 1700kg/m MINIMUM CUBE STRENGTH WERZIN/m² AT 28 DAYS.
 ALL BEAN SIZE TO BE READ AS BREADTH x DEPTH
 ALL LEVELS SHOWIN IN FRAMING PLANS TO BE STRUCTURAL FLOOR LEVEL (LEGEND :

 IGENTION ARE IN MILLIMETRE & LEVEL IN IMPD EXCEPT OTHERWISE STATED.
 ALL DIMENSION ARE IN MILLIMETRE & LEVEL IN IMPD EXCEPT OTHERWISE STATED.
 ALL BEANT TO STEEL REINFORCEMENT SHALL COMPLY WITH BS 8666 2000

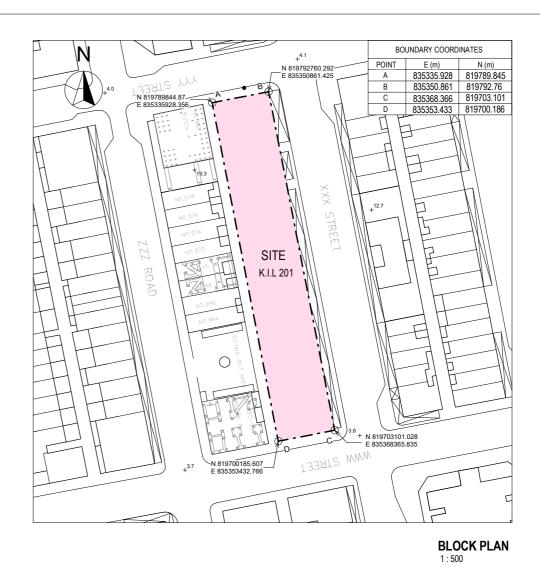
NOTES FOR ANNOTATION OF BARS :

- ALL DIMENSIONS SHOWN ARE IN TIME. ANY DISSEPARY FOUND BETWEEN THE DETAILS SHOWN IN THIS DRAWING AND THAT SHOWN IN DETAILED DRAWNING SHALL BE REPORTED TO THE ENGINEER FOR DIRECTION.
- 3 BAR REFERENCING FOR REFERENCE ONLY
- AR REFERENCING : FOR REFERENCE ONLY EXAMPLE : T6132.200 NUMBER OF BARS: 16 TYPE OF STEL: T (INBBED STEEL REINFORCING BARS GRADE 500B/C) DIAMETER OF BARS. 32mm PITCH OF BARS (IF APPLICABLE): 200 mm

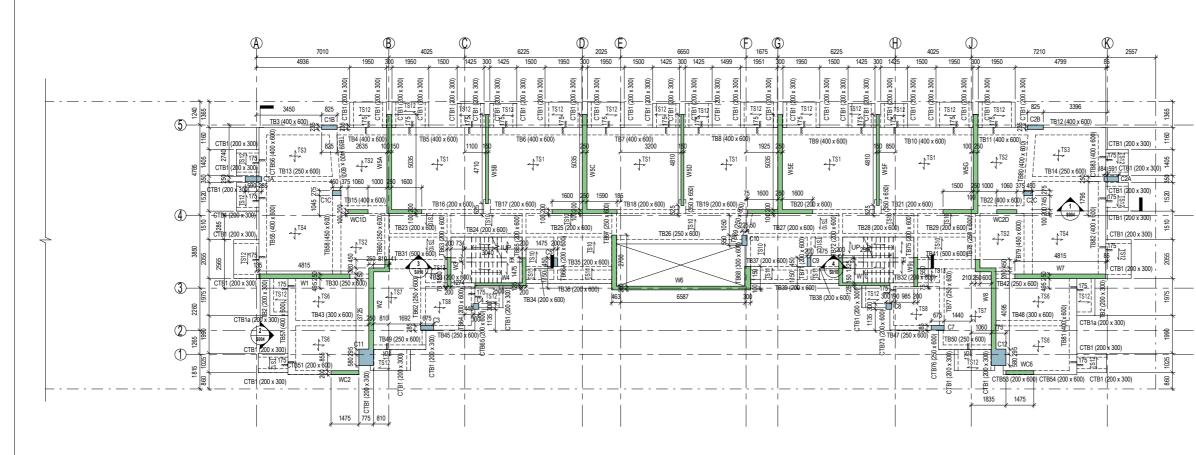
- NOTES FOR CONSTRUCTION OF CANTILEVERED BEAM & SLAB : VTILEVERED PROJECTIONS SHOULD BE GAST MONOLITHICALLY WITH AND AT THE SAME TIME A SECTLY SUPPORTING MEMBERS. CONSTRUCTION JOINTS MUST NOT BE LOCATED ALONG THE
- THE DRECTLY SUPPORTING MEMBERS. CONSTRUCTION JOINTS MUST NOT BE LOCATED ALONG THE EXTERNAL EDGE OF LIFE SUPPORTING MEMBERS. 2. ADEQUATE BAR SPACERS STIGHT D FOR REFERENCE ONLY HE POSITION AND ALIGNMENT OF THE STEEL REINFORCEMENT. 3. DURING CONCRETING, ADEQUATE COMPACTION SHOULD BE GIVEN TO ENSURE COOD QUALITY CONCRETE. EVERY ENDEAVOUR SHOULD ALSO BE MADE TO AVOID STEEL REINFORCEMENT FROM PRIVED DRIVER DO REDPERDED
- BEING DISPLACED OR DEPRESSED. 4. ALL PROPPING TO THE SOFFIT OF THE FORMWORK FOR THE CANTILEVERED PROJECTIONS SHOULD BE MAINTAINED FOR AT LEAST 14 DAYS.

NOTES FOR WATERPROOFING CONSTRUCTION :

- FOR LOCATIONS AND DETAILS OF WATERSTOP AT EXPANSION JOINTS, CONSTRUCTION JOINTS ETC. ER TO ALL RELEVANT DRAWINGS. JOINT NOT SPECIFIED SHALL RECEIVE THE PRIOR APPROVAL
- BY THE ENGINEER. TYPE OF WATERSTOPS SHALL BE AS SPECIFIED IN THE CONTRACT OR TO THE APPROVAL OF THE
- ENGINEER c) DETAIL OF FIXING OF WATERSTOPS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATION OF THE MANUFACTURER. FOR REFERENCE ONLY d) PRIOR TO CONCRETING, THE WAILERS I'VE SHALL BE MAILED, CAPPED OR THEO WITH WIRE TO ITS
- CORRECT POSITION SECURELY AND ADEQUATELY. DETAIL AND SPACING OF SUCH NAILING. CLIPS CORRECT POSITION SECURELY AND ADEQUATELY. DETAIL AND SPRCING OF SUCH NAILING, CLIPS AND TIES SHALL BE IN ACCORDANCE WITH THE RECOMMENDATION OF THE MANUFACTURER AND TO THE APPROVAL OF THE ENGINEER. (e) CARE SHALL BE TAKEN TO AVIO DANY AIR VOIDS BEING TRAPPED BETWEEN THE WATERSTOP AND THE SUPROVIDING CONCRETE. (f) SURROUNDING STEEL REINFORCEMENT SHALL NOT BE PLACED IN CONTACT WITH THENATERSTOP, WHITHEN MOLORING TO END
- MINIMUM SPACING TO BE 40mm. 2. ALL CONCRETE USED IN WATER RETAINING STRUCTURE SHALL BE WATERPROOFING CONCRETE AND COMPLY WITH BS8007.



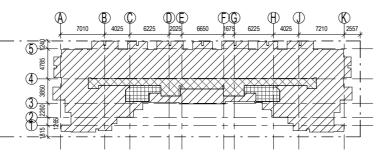
BIM REF	:	
REV	DATE	AMENDMENT
PROJEC		AMENDMENT
	SAMPLE PRC	
		JECT
DRAWIN		
GENE	ERAL NOTES	FOR SUPERSTRUCTURE
SCALE	AS SHOWN	@A1
DRAWIN		REV. NO.
S001		NEV. 190.
3001		
SOURCE		
	90mm (W	/) x 40mm (H) space
	90mm (W for COMF	/) x 40mm (H) space PANY LOGO
	90mm (W for COMF	/) x 40mm (H) space PANY LOGO
	90mm (W for COMF	/) x 40mm (H) space PANY LOGO
	90mm (W for COMF	rl) x 40mm (H) space PANY LOGO
	90mm (W for COMF	/) x 40mm (H) space PANY LOGO
	90mm (W for COMF	/) x 40mm (H) space PANY LOGO
	90mm (W for COMF	/) x 40mm (H) space PANY LOGO
	for COMF	PANY LOGO
	for COMF	/) x 60mm (H) space
	for COMF 90mm (W for AP/RS	PANY LOGO /) x 60mm (H) space SERGE's
	for COMF 90mm (W for AP/RS	/) x 60mm (H) space
	for COMF 90mm (W for AP/RS	PANY LOGO /) x 60mm (H) space SERGE's
	for COMF 90mm (W for AP/RS	PANY LOGO /) x 60mm (H) space SERGE's
	for COMF 90mm (W for AP/RS	PANY LOGO /) x 60mm (H) space SERGE's
	for COMF 90mm (W for AP/RS	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	for COMF 90mm (W for AP/RS	PANY LOGO /) x 60mm (H) space SERGE's
BD's OF	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's OF	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	PANY LOGO /) x 60mm (H) space SERGE's
BD's Of	90mm (W for AP/Rs signature	/) x 60mm (H) space SERGE's // and stamp chop
BD's Of	90mm (W for AP/RS signature FFICAL USE	/) x 60mm (H) space SE/RGE's 'and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 60mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/RS signature FFICAL USE	/) x 60mm (H) space SERGE's and slamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	<pre>// x 60mm (H) space SERGE's // and slamp chop</pre>
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop
BD's Of	90mm (W for AP/Rs signature FFICAL USE	/) x 150mm (H) space SERGE's / and stamp chop



1 TYP FLOOR FRAMING PLAN

NOTES 1. ALL BEAM SIZE TO BE 400(B)x600(D), UNLESS OTHERWISE STATED. 2. ALL SLAB SIZE TO BE 150mm THK, UNLESS OTHERWISE STATED.

COLUMN	SCHEDULE
COLUMN MARK	SIZE (mm)
C1A	250 x 875
C1B	235 x 825
C1C	275 x 450
C2A	250 x 775
C2B	235 x 825
C2C	275 x 450
C3	250 x 675
C4	300 x 300
C5	200 x 450
C7	250 x 675
C8	300 x 300
C9	200 x 450
C10	275 x 550
C11	775 x 875
C12	775 x 875



TYP FLOOR LOADING KEY PLAN 1:300

USAGE	LEGEND	L.L. (kPa)	FIN. (kPa)	F.R.R. (MIN)
STAIRCASE		3.0	1.25	60/60/60
LOBBY		3.0	1.25	60/60/60
DOMESTIC		2.0	0.50	60/60/60
PLANT ROOM	+ + + + + + + + + + + + + + + + + + + +	7.5	1.25	60/60/60
FLAT ROOF	$ \langle \cdot \rangle \rangle$	5.0	5.60	60/60/60

TOWER	FLOOR LEVEL
LEVEL	S.F.L.
5/F	+26.525
6/F	+29.850
7/F	+33.175
8/F	+36.500
9/F	+39.825
10/F	+43.150
11/F	+46.475
12/F	+49.800
15/F	+53.125
16/F	+56.450
17/F	+59.775
18/F	+63.100
19/F	+66.425
20/F	+69.750
21/F	+73.075
22/F	+76.400
23/F	+79.725
25/F	+83.050
26/F	+86.375
27/F	+89.700
28/F	+93.025
29/F	+96.350

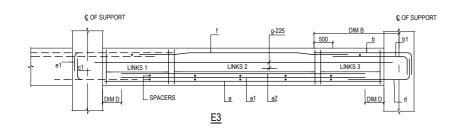
LEGEND:	
	SITE BOUNDARY
\boxtimes	COLUMN / WALL ABOVE
[]	COLUMN / WALL BELOW
	WALL ABOVE & BELOW
	COLUMN ABOVE & BELOW
	BEARING (B.W.) / HANGER WALL (H.W.)
\bowtie	VOID
+26.50	PROPOSED STRUCTURE FLOOR LEVEL
TB1 (300X450)	PROPOSED BEAM MARK AND BEAM SIZE
^{TS1} / ↔ ^{TS2}	PROPOSED SLAB MARK AND SPAN DIRECTION

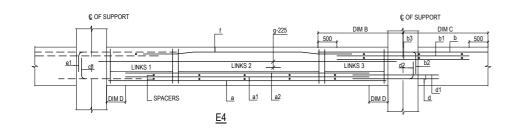
I EGEND.

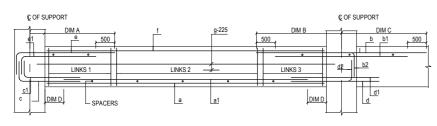
BD REF

051	DATE	AMENDMENT
PROJECT		
CIC SAME	PLE PRO	JECI
SCALE AS S DRAWING NO. S002		DA1 REV. NO.
SOURCE		
	90mm (W for COMP) x 40mm (H) space ANY LOGO
	90mm (W) x 60mm (H) space F/RGE's
	for AP/RS	I x 60mm (H) space E/RGE's and stamp chop
BD's OFFICAI	for AP/RS signature/	E/RGE's
BD's OFFICAL	for AP/RS signature/	E/RGE's
BD's OFFICAI	90mm (W, for BD's a certificatio approved	L/RGE's and stamp chop) x 150mm (H) space pproval stamp / n of copies of

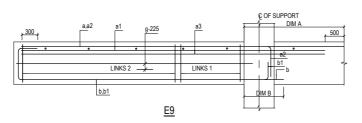
									R.0	. BEAM SC	HEDULE								
	BEAM SIZE						REINFO	RCEMENT						REINFORCEMENT			DIME	NSION	
BEAM MARK	(BXD)	ELEV. REFER	а	a1	a2	b	b1	c	d	e	f	g	LINKS 1	LINKS 2	LINKS 3	A	В	C	D
TB1	200 x 300	E9	2T20	-	-	-	2T16	-	-	-	-	-	<	T10-150(2 LEGS)	>	2550	-	-	-
TB1a	200 x 300	E9	2T20	-	-	-	2T16	-	-	-	-	-	<	T10-150(2 LEGS)	>	2550	-	-	-
TB2	200 x 300	E10	2T16	-	-	2T16	-	-	-	-	-	-	<	T10-200(2 LEGS)	>	-	-	-	-
TB3	400 x 600	E5	4T25	-	-	4T25	-	4T25	4T25	4T25	4T20	-	<	T10-200(4 LEGS)	>	-	1300	1000	-
TB4	400 x 600	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1000	1800	-
TB5	400 x 600	E4	4T25	-	-	4T25		-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1800	1800	-
TB6	400 x 600	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1800	1800	-
TB7	400 x 600	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1800	1800	-
TB8	400 x 600	E4	4T25	-	-	4T25	-	-	4T25	-	4T20		<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1800	1800	-
TB9	400 x 600	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1800	1800	-
TB10	400 x 600	E4	4T25	-	-	4T25		-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1800	1000	-
TB11	400 x 600	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL LINKS + T10	>	-	1000	1300	-
TB12	400 x 600	E3	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(4 LEGS)	>	-	-	-	-
TB13	250 x 600	E10	2T25	-	-	2T25	-	-	-	-	-	-	<	T10-200(2 LEGS)	8T16-200(2 LEGS)	-	-	-	-
TB14	250 x 600	E10	2T25	-	-	2T25	-	-	-	-	-	-	<	T10-200(2 LEGS)	8T16-200(2 LEGS)	-	-	-	-
TB51	200 x 600	E9a	2T20	2T20	2T20	2T20	-	-	-	-	-	T10-225 E.F.	<	T10-150(2 LEGS)	>	1000	-	-	-
TB54	200 x 600	E9a	2T20	2T20	2T20	2T20		-	-	-	-	T10-225 E.F.	<	T10-150(2 LEGS)	>	1000	-	-	-











g-225

<u>E9a</u>

LINKS 1

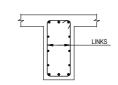
a1

• • •

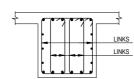
SPACERS

LINKS 2

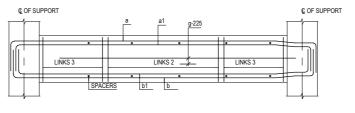
C OF SUPPORT





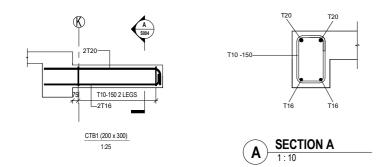


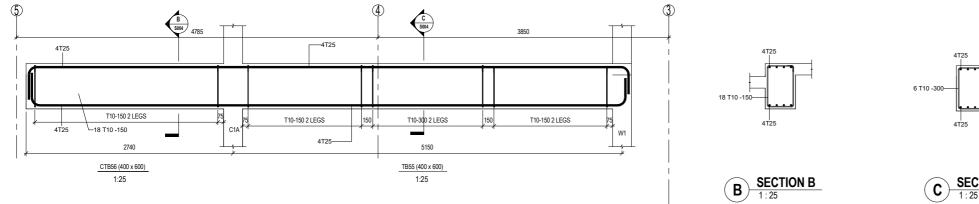
6 LEGS



<u>E10</u>

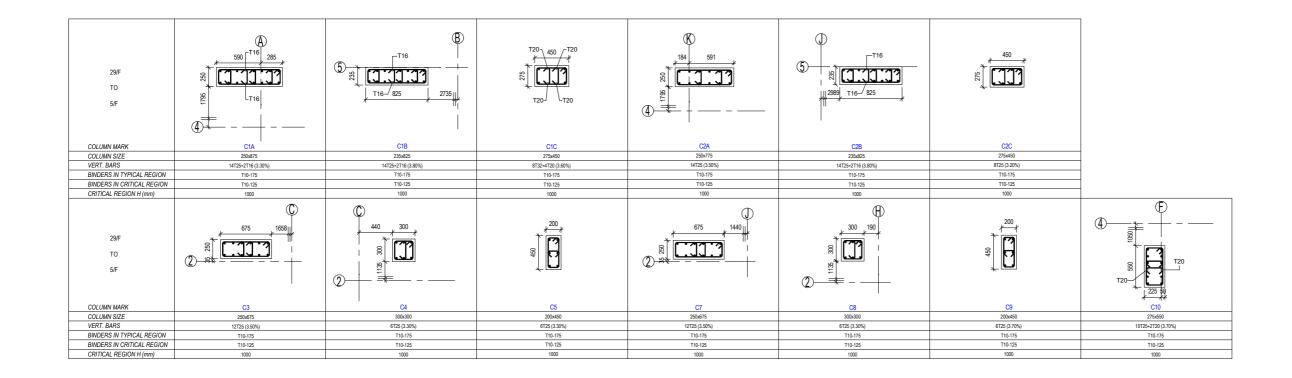
BD REF :		
BIM REF :		
REV	DATE	AMENDMENT
PROJECT	DATE	ANEADINET
	IPLE PRC	IECT
DRAWING TIT	TI E	
	C. SCHEI	DUIF
DLAWIN.	0. 30HL	DULL
SCALE 1:	100@A1	
DRAWING NO).	REV. NO.
DRAWING NO).	REV. NO.
S003		REV. NO.
		REV. NO.
S003		REV. NO.
S003	-	
S003	- 90mm (W	Л) x 40mm (H) space
S003	- 90mm (W	
S003	- 90mm (W	Л) x 40mm (H) space
S003	- 90mm (W	Л) x 40mm (H) space
S003	- 90mm (W	Л) x 40mm (H) space
S003	- 90mm (W	Л) x 40mm (H) space
S003	- 90mm (W	Л) x 40mm (H) space
S003	- 90mm (W	Л) x 40mm (H) space
S003	90mm (W for COMF	/) x 40mm (H) space ANY LOGO
S003	90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
S003	90mm (W for COMF 90mm (W for AP/RS	/) x 40mm (H) space ANY LOGO
S003	90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
S003	90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
S003	90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
S003	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space E/ERGE's
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERGE's / and stamp chop
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature AL USE	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop) x 150mm (H) space
SOURCE	90mm (W for COMF 90mm (W for AP/RS signature AL USE 90mm (W for BD's a certificati) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's and stamp chop
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's and stamp chop
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space SERGE's / and stamp chop y 150mm (H) space pproval stamp / on of copies of plans plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans
SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature AL USE 90mm (W for BD's a certificati approved	 y 40mm (H) space YANY LOGO y 50mm (H) space y And stamp chop y 150mm (H) space y 150mm (H) space pproval stamp / on of copies of plans







BD REF	:	
BIM REF	:	
		1
_		
_		
	DATE	AMENDMENT
PROJEC	AMPLE PRO	
SCALE	AS SHOWN	@A1
DRAWIN		REV. NO.
SUU1		
S004		-
	90mm (V	V) x 40mm (H) space
	90mm (V	
	90mm (V	V) x 40mm (H) space
	90mm (V	V) x 40mm (H) space
	90mm (V	V) x 40mm (H) space
	90mm (V	V) x 40mm (H) space
	90mm (V	V) x 40mm (H) space
	90mm (V	V) x 40mm (H) space
	90mm (V for COM	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space
	90mm (V for COM 90mm (V for AP/R	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
	90mm (V for COM 90mm (V for AP/R	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space
	90mm (V for COM 90mm (V for AP/R	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
	90mm (V for COM 90mm (V for AP/R	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
	90mm (V for COM 90mm (V for AP/R	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
SOURCE	90mm (V for COM 90mm (V for AP/R signature	II) x 40mm (H) space PANY LOGO IV) x 60mm (H) space SERGE's If and stamp chop
SOURCE	90mm (V for COM 90mm (V for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's i/ and stamp chop
SOURCE	90mm (V for COM 90mm (V for AP/R signature	II) x 40mm (H) space PANY LOGO II) x 60mm (H) space SE/RGE's II and stamp chop
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	II) x 40mm (H) space PANY LOGO II) x 60mm (H) space SE/RGE's I and stamp chop
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's V and stamp chop V) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	 v) x 40mm (H) space PANY LOGO v) x 60mm (H) space SE/RGE's v) and stamp chop v) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	 v) x 40mm (H) space PANY LOGO v) x 60mm (H) space SE/RGE's v) and stamp chop v) x 150mm (H) space approval stamp / on of copies of plans
SOURCE	90mm (V for COM 90mm (V for AP/R signature FICAL USE	 v) x 40mm (H) space PANY LOGO v) x 60mm (H) space SE/RGE's v) and stamp chop v) x 150mm (H) space approval stamp / on of copies of plans



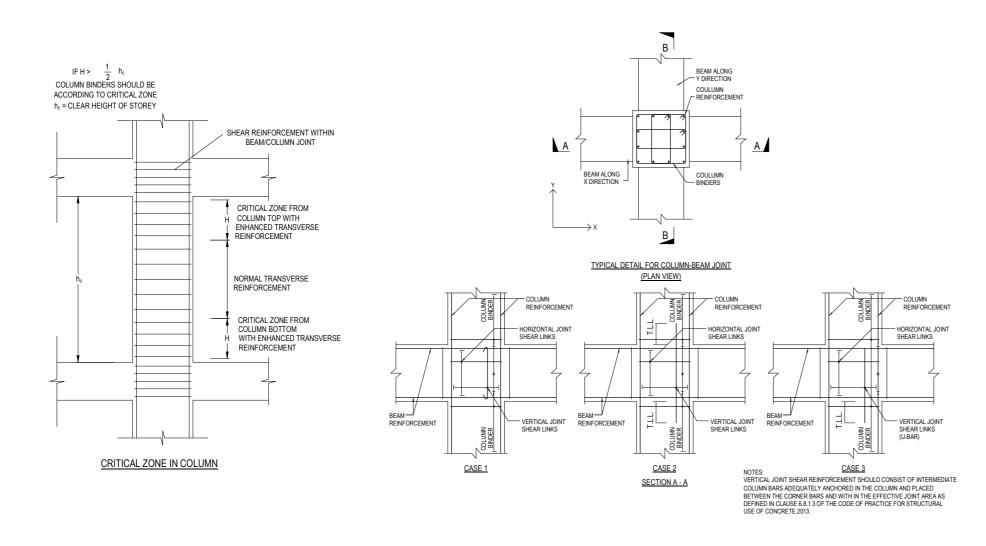
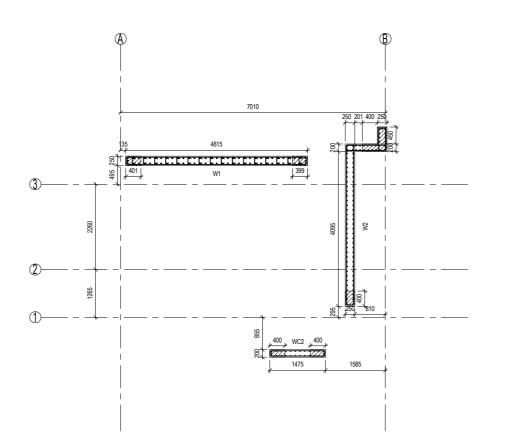
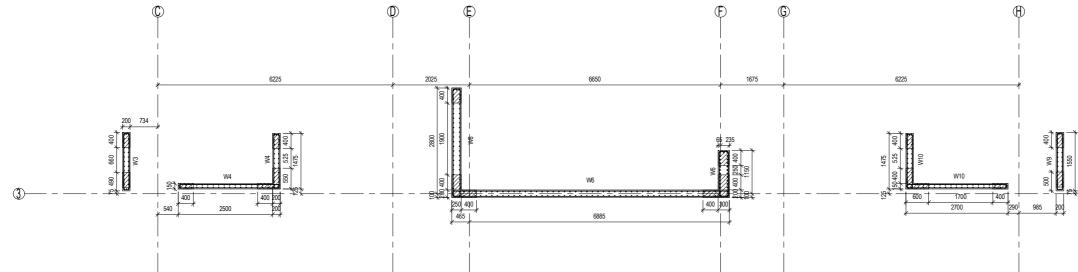


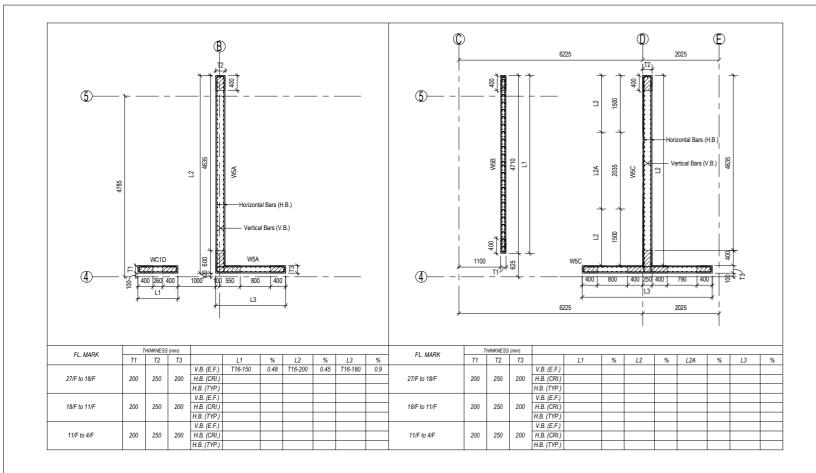
Image: Sector of the sector	BIM REF	:	
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE COLUMN R.C. DETAIL SCALE AS SHOWN@A1 DRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
CIC SAMPLE PROJECT			AMENDMENT
COLUMN R.C. DETAIL SCALE AS SHOWN@A1 JRAWING NO. REV. NO. S005 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved jams			OJECT
SREVING NO. REV. NO. SOUSS SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			ETAIL
SREVING NO. REV. NO. SOUSS SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
SREVING NO. REV. NO. SOUSS SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	SCALE		
SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			nev.no.
90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	0000		
for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans of approved plans of			
for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSERCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans of approved plans of			
90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		:	
for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm ((W) x 40mm (H) space
for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm ((W) x 40mm (H) space MPANY LOGO
for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm ((W) x 40mm (H) space MPANY LOGO
for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm ((W) x 40mm (H) space MPANY LOGO
for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm ((W) x 40mm (H) space IPANY LOGO
for APRSERGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm ((W) x 40mm (H) space MPANY LOGO
BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval siamp / certification of copies of approved plans		90mm (for CO	MPANY LOGO
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (for CO 90mm for AP/l	(W) x 60mm (H) space RSE/RGE's
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (for CO 90mm for AP/l	(W) x 60mm (H) space RSE/RGE's
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (for CO 90mm for AP/l	(W) x 60mm (H) space RSE/RGE's
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (for CO 90mm for AP/l	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
for BD's approval stamp / certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
certification of copies of approved plans	SOURCE	90mm for COM 90mm for APN signatu	(W) x 60mm (H) space RSE/RGE's
approved plans (PNAP ADM-10 APP A)	SOURCE	90mm i for COI 90mm i for AP/i signatu	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop
7	SOURCE	90mm I for COI 90mm I for API signatu FFICAL USE	IPANY LOGO IW) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / tion of copies of
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans
	SOURCE	90mm i for COM 90mm i for AP/I signatu FFICAL USE	(W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ston of copies of ed plans

	1	CONCRETE	THICKNESS		HORIZONTAL	BIND)FR	STEEL RATIO
FLOOR	WALL MARK	GRADE	(mm)	VERTICAL BARS	BARS	HORIZONTAL	VERTICAL	(%)
3/F	W1	C60	250	T40-150	T10-150	T12-300	150	3.4
3/F	W2	C60	250	T25-125	T12-125			1.3
3/F	W3	C60	200	T20-125	T10-100			1.3
3/F	W4	C60	150	T20-150	T10-150			1.4
3/F	W4	C60	200	T20-125	T10-100			1.3
3/F	W5A	C60	200	T20-125	T10-100			1.3
3/F	W5A	C60	250	T25-125	T12-125			1.6
3/F	W5B	C60	150	T20-100	T10-150	T12-200	150	2.1
3/F	W5C	C60	200	T20-125	T10-100			1.3
3/F	W5C	C60	250	T25-125	T12-125			1.6
3/F	W5D	C60	150	T20-125	T10-150			1.7
3/F	W5E	C60	200	T20-125	T10-100			1.3
3/F	W5E	C60	250	T25-125	T12-125			1.6
3/F	W5F	C60	150	T20-100	T10-150	T12-200	150	2.1
3/F	W5G	C60	200	T20-125	T10-100			1.3
3/F	W5G	C60	250	T32-175	T12-125			1.8
3/F	W6	C60	200	T25-150	T10-100			1.6
3/F	W6	C60	250	T20-125	T12-125			1.0
3/F	W6	C60	300	T32-100	T10-150			2.7
3/F	W7	C60	250	T25-150	T12-125			1.3
3/F	W8	C60	250	T32-175	T12-125			1.8
3/F	W9	C60	200	T20-125	T10-100			1.3
3/F	W10	C60	150	T20-150	T10-150			1.4
3/F	W10	C60	200	T20-125	T10-100			1.3
3/F	WC1D	C60	200	T20-125	T10-100			1.3
3/F	WC2	C60	200	T20-125	T10-100			1.3
3/F	WC2D	C60	200	T20-125	T10-100			1.3
3/F	WC6	C60	200	T20-125	T10-100			1.3

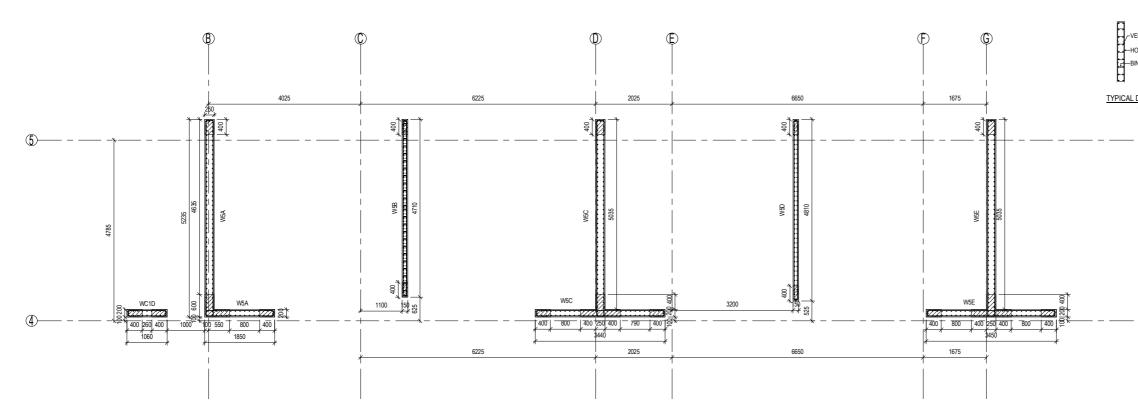


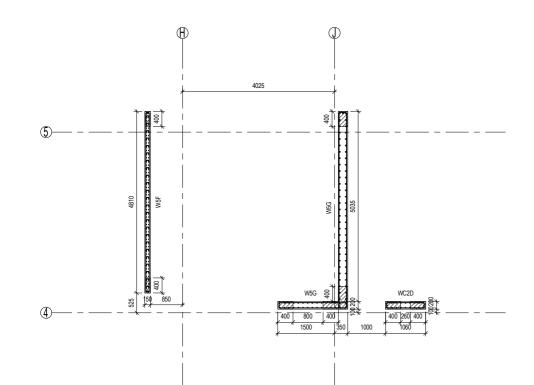


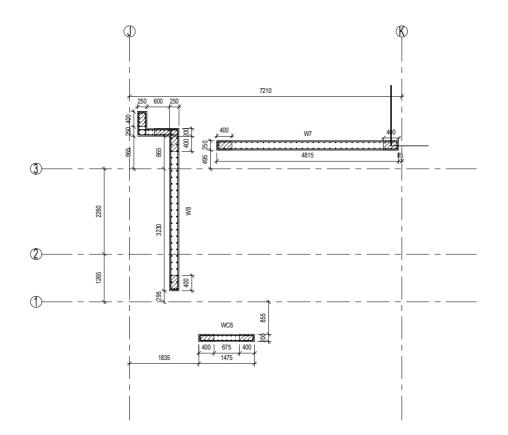
		BD REF :	
		BIM REF :	
LEGEND:			
CONFINED AREA			
_			
,-VERTICAL BAR	BINDERS:		
1.4			
	- HORIZONTAL SPACING T10-200		
E-BINDER			
TYPICAL DETAIL OF WALL			
(N.T.S.)			
			_
		REV DATE AMENDMENT	
		PROJECT	
		CIC SAMPLE PROJECT	
		DRAWING TITLE	
		WALL R.C. DETAIL (1 OF 2)	
		SCALE AS SHOWN@A1	
		DRAWING NO. REV. NO.	
		S006	
		S006	
		S006	
		S006 S0URCE 90mm (W) x 40mm (H) space	
		SOURCE	
		S006 S0URCE 90mm (W) x 40mm (H) space	
		S006 S0URCE 90mm (W) x 40mm (H) space	
		S006 S0URCE 90mm (W) x 40mm (H) space	
		S006 S0URCE 90mm (W) x 40mm (H) space	
		S006 S0URCE 90mm (W) x 40mm (H) space	
ŤØ Ť		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO	
Ť∎		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	
1550		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	
		SOURCE SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification oppies of	



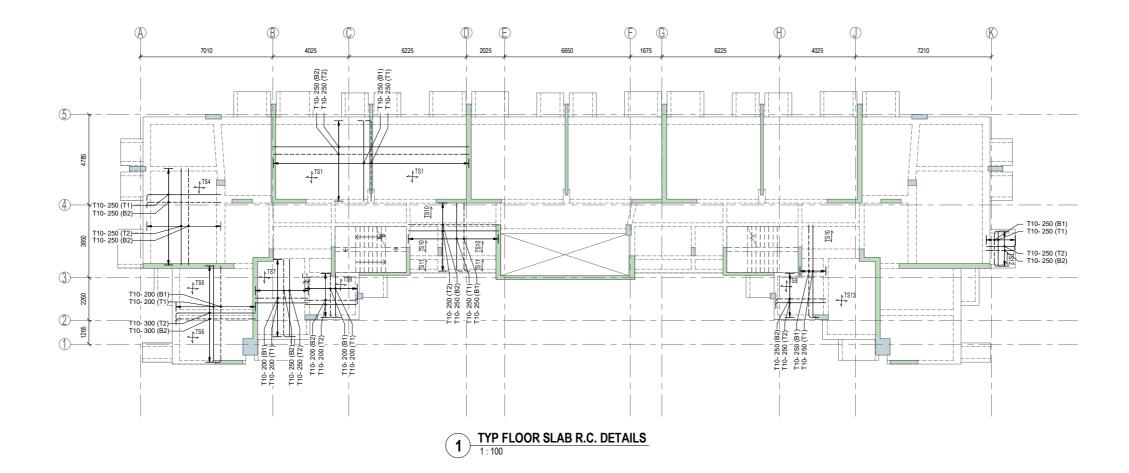
BD REF		
BIM REF	:	
		[
PEV/	DATE	AMENDMENT
PROJEC		AMENDMENT
	SAMPLE PRO	JECT
SCALE		۹۸1
	AS SHOWN	
DRAWIN	G NO.	@A1 REV. NO.
DRAWIN S007	g no. 7	
DRAWIN	g no. 7	
DRAWIN S007	g no. 7	
DRAWIN S007	G NO. 7 : 90mm (W	REV. NO.
DRAWIN S007	G NO. 7 : 90mm (W	
DRAWIN S007	G NO. 7 : 90mm (W	REV. NO.
DRAWIN S007	G NO. 7 : 90mm (W	REV. NO.
DRAWIN S007	G NO. 7 : 90mm (W	REV. NO.
DRAWIN S007	G NO. 7 : 90mm (W	REV. NO.
DRAWIN S007	G NO. 7 : 90mm (W	REV. NO.
DRAWIN S007	G NO. 7 90mm (V for COMF	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space
DRAWIN S007	G NO. 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space
DRAWIN S007	G NO. 90mm (W for COMF 90mm (W for AP/RS	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007	G NO. 90mm (W for COMF 90mm (W for AP/RS	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007	G NO. 90mm (W for COMF 90mm (W for AP/RS	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/RS	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGES
DRAWIN S007 SOURCE	G NO. 90mm (W for COMF 90mm (V for AP/RS signature	REV. NO.
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE'S (and stamp chop) x 150mm (H) space
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space) x 60mm (H) space (and stamp chop) x 150mm (H) space pproval stamp /
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space SERGE's /and stamp chop) x 150mm (H) space spproval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space) x 60mm (H) space (and stamp chop) x 150mm (H) space pproval stamp /
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space SERGE's /and stamp chop) x 150mm (H) space spproval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space SERGE's /and stamp chop) x 150mm (H) space spproval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's /and stamp chop) x 150mm (H) space speroval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's /and stamp chop) x 150mm (H) space speroval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's /and stamp chop) x 150mm (H) space speroval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's /and stamp chop) x 150mm (H) space speroval stamp / on of copies of plans
DRAWIN S007 SOURCE	G NO.	REV. NO.) x 40mm (H) space ANY LOGO () x 60mm (H) space SERGE's /and stamp chop) x 150mm (H) space spproval stamp / on of copies of plans



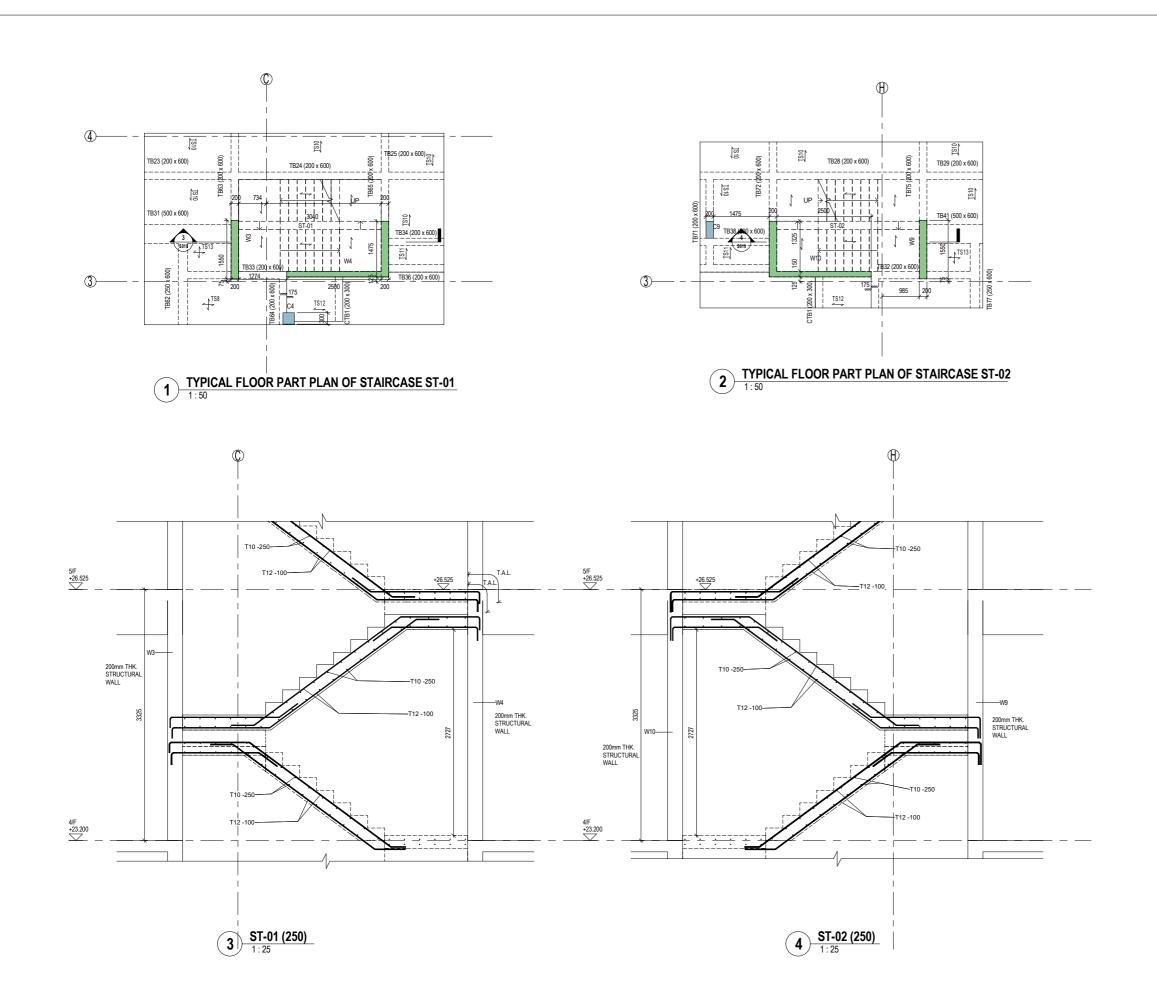




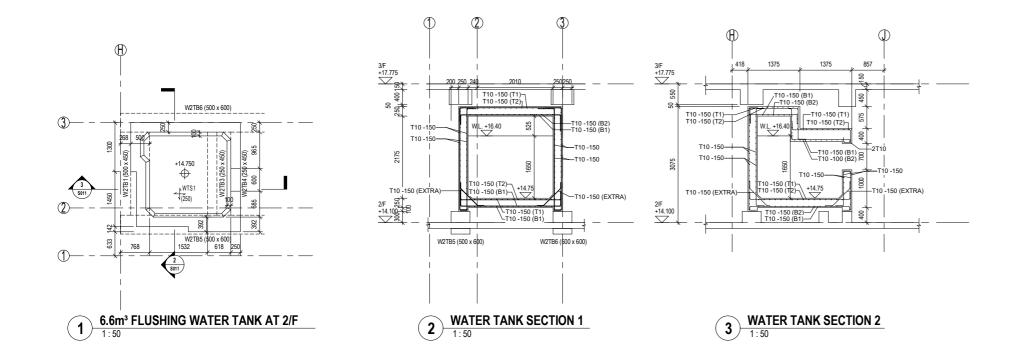
		BD REF	:	
LEGEND:		BIM REF	:	
CONFINED AREA				
V//// OON INED AILEN				
n				
-VERTICAL BAR	BINDERS:			
-HORIZONTAL BAR	HORIZONTAL SPACING T10-200			
	110-200			
YPICAL DETAIL OF WALL				
(N.T.S.)				
				AMENDMENT
		PROJECT	T SAMPLE PRO	
				JEC I
		DRAWING	G TITLE . R.C. DETAI	(2 OF 2)
				_ (_ 0)
		COALE		
		SUALE		
			AS SHOWN	
		DRAWING	G NO.	REV. NO.
		DRAWING	G NO.	
		DRAWING	G NO.	
		DRAWING	G NO.	
		DRAWING	G NO. 90mm (W	REV. NO.
		DRAWING	G NO. 90mm (W	REV. NO.
		DRAWING	G NO. 90mm (W	REV. NO.
		DRAWING	G NO. 90mm (W	REV. NO.
		DRAWING	G NO. 90mm (W	REV. NO.
		DRAWING	G NO. 90mm (W	REV. NO.
		DRAWING	90mm (W for COME	REV. NO. /) x 40mm (H) space /ANY LOGO
		DRAWING	90mm (W for COMF 90mm (V	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING	90mm (W for COMF 90mm (V	REV. NO. /) x 40mm (H) space ?ANY LOGO /) x 60mm (H) space
		DRAWING	90mm (W for COMF 90mm (V	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING	90mm (W for COMF 90mm (V	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (V	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
		DRAWING S008 SOURCE	3 NO. 90mm (W for COMF 90mm (W for AP/RS signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space ERGE'S / and stamp chop
		DRAWING S008 SOURCE	90mm (W for COMF 90mm (W for AP/R signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space ERGE's / and stamp chop /) x 150mm (H) space spproval stamp / on of copies of
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space ERGE's / and stamp chop /) x 150mm (H) space spproval stamp / on of copies of
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans
		DRAWING S008 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FFICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop /) x 150mm (H) space sporoval stamp / on of copies of plans



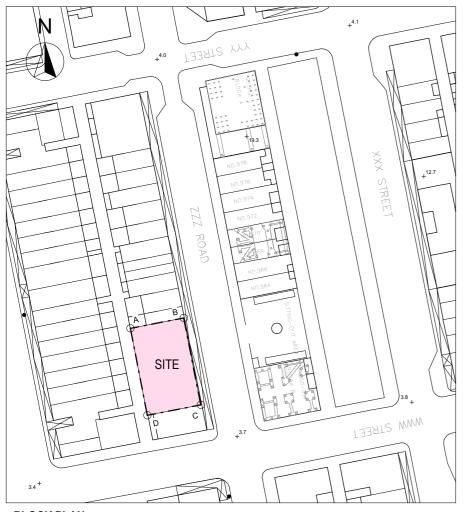
BD REF		
BIM REF		
	1	
REV	DATE	AMENDMENT
PROJEC		AMENDMENT
	SAMPLE PRC	JECT
0.00		
	IG TITLE	
SLAE	BR.C. DETAIL	-
SCALE	1.100@44	
	1 : 100@A1	
DRAWIN	IG NO.	REV. NO.
DRAWIN	ig no. 9	REV. NO.
DRAWIN	ig no. 9	REV. NO.
DRAWIN	ig no. 9	REV. NO.
DRAWIN	ig no. 9	REV. NO.
DRAWIN	IG NO. 9 E 90mm (W	/) x 40mm (H) space
DRAWIN	IG NO. 9 E 90mm (W	
DRAWIN	IG NO. 9 E 90mm (W	/) x 40mm (H) space
DRAWIN	IG NO. 9 E 90mm (W	/) x 40mm (H) space
DRAWIN	IG NO. 9 E 90mm (W	/) x 40mm (H) space
DRAWIN	IG NO. 9 E 90mm (W	/) x 40mm (H) space
DRAWIN	IG NO. 9 E 90mm (W	/) x 40mm (H) space
DRAWIN	IG NO. 9 2 90mm (W for COMF	/) x 40mm (H) space ANY LOGO
DRAWIN	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS	/) x 40mm (H) space PANY LOGO
DRAWIN	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature	() x 40mm (H) space ANY LOGO () x 60mm (H) space SERCE'S
DRAWIN S009 SOURCE	IG NO. 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE) x 40mm (H) space ANY LOGO () x 60mm (H) space SERGE's and stamp chop
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop) x 150mm (H) space
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and slamp chop) x 150mm (H) space pproval slamp / on of copies of jelans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's and stamp chop
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and slamp chop) x 150mm (H) space pproval slamp / on of copies of jelans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and slamp chop) x 150mm (H) space pproval slamp / on of copies of jelans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop) x 150mm (H) space pproval stamp / on of copies of jeans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop) x 150mm (H) space pproval stamp / on of copies of jeans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop) x 150mm (H) space pproval stamp / on of copies of jeans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and slamp chop) x 150mm (H) space pproval slamp / on of copies of jelans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop) x 150mm (H) space pproval stamp / on of copies of jeans
DRAWIN S009 SOURCE	IG NO. 9 9 90mm (W for COMF 90mm (W for AP/RS signature FFICAL USE FFICAL USE 90mm (W for BD's a certificati approved	/) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's /and stamp chop) x 150mm (H) space pproval stamp / on of copies of jeans



BD REF BIM REF	:
BIM REF	
	I
REV	DATE AMENDMENT
PROJEC	
CIC S	SAMPLE PROJECT
DRAWIN STAI	G TITLE RCASE R.C. DETAIL
00415	
	AS SHOWN@A1
DRAWIN	
DRAWIN S010	
)
S010	90mm (W) x 40mm (H) space for COMPANY LOGO
S010) 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
S010) 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space
S010) 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
S010) 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
S010) 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
SOURCE) 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGEs signature/ and stamp chop
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE



BD REF	•	
DIMPER		
BIM REF	1	
	1	
REV PROJEC	DATE AMENDMENT	
	SAMPLE PROJECT	
0.0 0		
DRAWIN		
WAT	ER TANK R.C. DETAIL	
SCALE	1 : 50@A1	
DRAWIN		
S011		
0011	1	
SOURCE		
SOURCE		
SOURCE	E	
SOURCE		
SOURCE	90mm (W) x 40mm (H) space	
SOURCE	90mm (W) x 40mm (H) space	
SOURCE	90mm (W) x 40mm (H) space	
SOURCE	90mm (W) x 40mm (H) space	
SOURCE	90mm (W) x 40mm (H) space	
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO	
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space	
SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO	
SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's 	
SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's 	
SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's 	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's 	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
SOURCE BD's OI	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE	
	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	
	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	

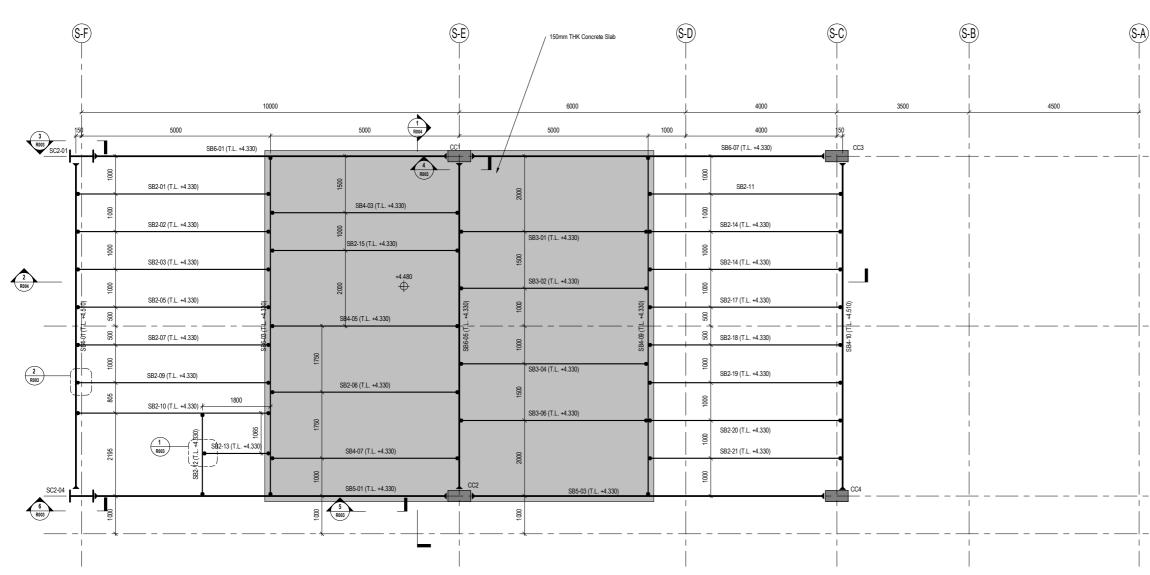




GENERAL NOTES FOR STRUCTURAL STEEL WORKS:

- UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL WORKS SHALL BE GRADE S355 J0 COMPLYING WITH BS EN 100552004 (P) = 355 MPa) EXCEPT HOLLOW SECTION TO BS EN 20210 AND CLASS 1 COMPLYING WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011.
- 2. ALL STEELWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011. STRUCTURAL USE OF STEEL MATERIALS PROPERTIES SHALL COMPLY WITH BS EN 100252004, FOR PERMANENT STRUCTURES. MINIMUM DESIGN STRENGTH ARE AS FOLLOWS:
 - GRADE THICKNESS LESS GRADE THAN OR EQUAL DESIGN STRENGTH TO (mm) S355 16 355
- * THE STRUCTURAL STEEL ARE CLASSIFIED AS CLASS 1 IN ACCORDANCE WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011.
- 3. THE STEELWORK CONTRACTOR IS RESPONSIBLE FOR ENSURING THE STEEL HAS ADEQUATE THROUGH THICKNESS PROPERTIES TO SATISFY THE REQUIREMENTS OF HIS WELDING PROCEDURES AND WELDING SEQUENCE AND THAT THE MATERIAL AT OR ADJACENT TO WELDED LOCATIONS IS FREE OF LAMINATIONS, CENTRELINE SEGREGATION, OR OTHER CRACK LIKE INDICATIONS ON COMPLETION OF WELDING. THE STEELWORK CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUALITY CLASS OF STEEL WITH EMHANCED THROUGH THICKNESS PROPERTIES WHICH MAY BE REQUIRED TO BE COMPATIBLE WITH HIS CHOSEN METHOD OF WORKING.
- 4. ANY DAMAGED SURFACES OF GALVANISED STEEL SHALL BE COATED WITH ANTI-CORROSIVE COLD GALVANISED PRIMER PRIOR TO PAINTING.
- PRIOR TO ERECTION ALL STEELWORK SHALL BE SPRAY WASHED WITH WATER AND DETERGENT THEN SPRAY RINSED WITH CLEAN WATER. THEY SHOULD BE FREE FROM RUST, GREASE AND LOOSING SCALES BEFORE APPLICATION OF SURFACE PROTECTION.
- 6. THE CONTRACTOR SHOULD EMPLOY QUALIFIED WELDERS WITH VALID WELDING CERTIFICATE.
- 7. ALL WELDING WORK SHALL BE CARRIED OUT BY CERTIFIED WELDERS TESTED BY A HOKLAS APPROVED LABORATORY TO BS EN(15614-82002 ALL WELDING WORK TO COMPLY WITH BS EN 1011 SITE WELDING SHALL ONLY BE CARRIED OUT WITH PRIOR WRITTEN CONSENT OF THE ARCHITECT.
- 8. ALL WELD AND BLOT CONVECTIONS SHALL BE INSPECTED BY THE ENGINEER BEFORE BEING COVERED UP AND REPRESENTATIVELY TESTED TO THE SATISFACTORY OF THE ENGINEER.
- 9. THE WELDING STANDARDS SHALL BE IN ACCORDANCE WITH BS EN 1011 PART 1:2009 AND PART 2:2001.
- 10. THE WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH BS EN ISO 15614 PART 1: 2004 AND PART 8:2002.
- 11. THE WELDERS SHALL BE APPROVED IN ACCORDANCE WITH BS EN 287 PART 1:2004.
- 12. THE WELDING TESTS SHALL BE IN ACCORDANCE WITH BS EN 1714;1998 AND BS EN ISO 9934 PART 1:2001.
- 13. UNLESS NOTED OTHERWISE, ALL WELDING SHALL BE 6mm CONTINUOUS FILLET WELD ALL ROUND.
- 14. ABBREVIATIONS FOR WELDING :- \ FOR REFERENCE ONLY
- -FILLET WELD -FULL PENETRATION BUTT FILLET WELD
- FPBW PPBW -PARTIAL PENETRATION BUTT FILLET WELD
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL SHIMMING/PACKING REQUIRED TO ACHIEVE ADEQUATE TOLERANCE AT THE CONNECTIONS.
- 16. THE CONTRACTOR SHOULD VERIFY THE SETTING OUT DIMENSIONS ON STRUCTURAL AND BUILDING PLANS ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER DEFORE CONSTRUCTION WORK IS PROCEEDED.
- 17. THE CONTRACTOR SHOULD SUBMIT THE FABRICATION AND SHOP DRAWING TO THE ENGINEER FOR CHECKING.
- 18. ALL STEEL WORKS SHALL BE GALVANIZED TO BS EN ISO 1461-2009 WITH MIN, ZINC COATING THICKNESS OF 85 MICRONS AND WITH 2 COATS OF ZINC PRIMER.
- 19. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING TO STABILIZE THE STEEL WORKS DURING ERECTION.
- 20. ALL EXISTING FINISHES SHALL BE REMOVED PRIOR TO FIXING END PLATES AND ANCHOR BARS.
- 21. ALL ORDINARY BOLTS SHALL BE ISO GRADE 8.8 BLACK BOLT TO BS 3692:1967, UNLESS NOTED OTHERWISE.
- 22. ALL EXISTING REINFORCEMENT IN THE EXISTING CONCRETE STRUCTURES SHALL BE LOCATED WITH COVERMETER PRIOR TO DRILLING FOR ANCHOR BAR INSTALLATION. NO STEEL BAR SHALL BE CUT FOR DRILLING.

BD REF	:	
BIM REF	:	
		1
REV		AMENDMENT
PROJECT	AMPLE PRO	
		3
SCALE		,
SCALE	G NO.	REV. NO.
DRAWING	 90mm (V	REV. NO.
DRAWING	 90mm (V	REV. NO.
DRAWING	 90mm (V	REV. NO.
DRAWING	 90mm (V	REV. NO.
DRAWING	 90mm (V	REV. NO.
DRAWING	 90mm (V	REV. NO.
DRAWING	 90mm (V for COMF 90mm (V	REV. NO. /) x 40mm (H) space ANY LOGO
DRAWING	90mm (M for COME 90mm (M for AP/R3	REV. NO. /) x 40mm (H) space ANY LOGO
DRAWING	90mm (M for COME 90mm (M for AP/R3	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWING	90mm (M for COME 90mm (M for AP/R3	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWING	90mm (M for COME 90mm (M for AP/R3	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (M for COME 90mm (M for AP/R3	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE'S
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE's
DRAWINC R001 SOURCE	90mm (W for COMf 90mm (W for AP/R signature	REV. NO. /) x 40mm (H) space PANY LOGO /) x 60mm (H) space SERCE's
DRAWINC R001 SOURCE	90mm (W for COMF 90mm (W for AP/R3 signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's / and stamp chop
DRAWINC R001 SOURCE	90mm (W for COMF 90mm (W for AP/R3 signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's / and stamp chop
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's / and stamp chop
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space /ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space /ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans
DRAWINC R001 SOURCE	90mm (M for COMF 90mm (M for AP/Rs signature FICAL USE	REV. NO. /) x 40mm (H) space /ANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop /) x 150mm (H) space pproval stamp / on of copies of plans





	STEEL BEAM SCHEDULE				
TYPE MARK	SIZE	STEEL GRADE			
SB2	UB152x89x16	S355			
SB3	UB203x102x23	S355			
SB4	UB356x171x57	S355			
SB5	UB457x191x74	S355			
SB6	UB533x210x101	S355			

	SCHEDULE OF STEEL COLUMN				
	MARK	SIZE	STEEL GRADE		
Į	SC2	UB610x305x179	S355		

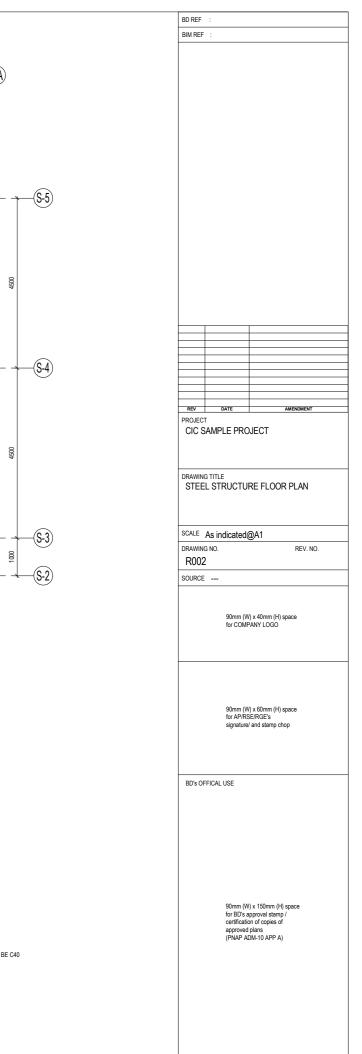
SCI	SCHEDULE OF CONCRETE COLUMN					
Mark	SIZE					
CC1	300 x 600					
CC2	300 x 600					
CC3	300 x 600					
CC4	300 x 600					

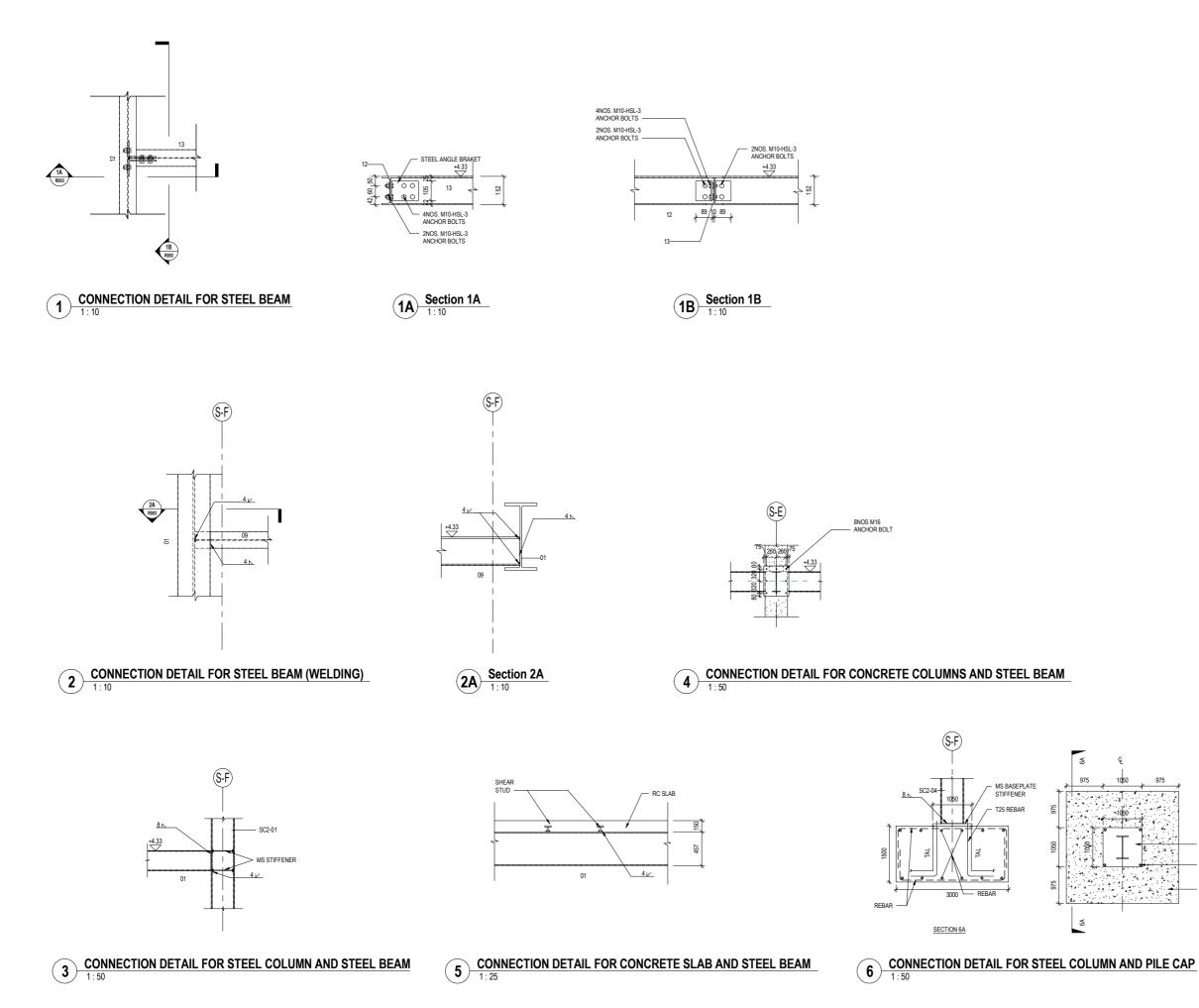
LEGEND

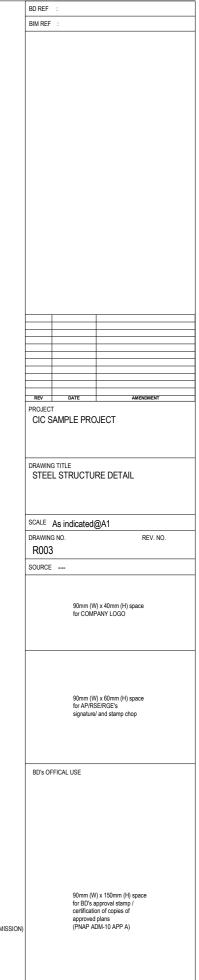
PINNED JOINT

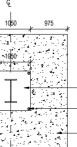
MOMENT JOINT

CONCRETE GRADE OF ALL CONCRETE COLUMNS TO BE C40





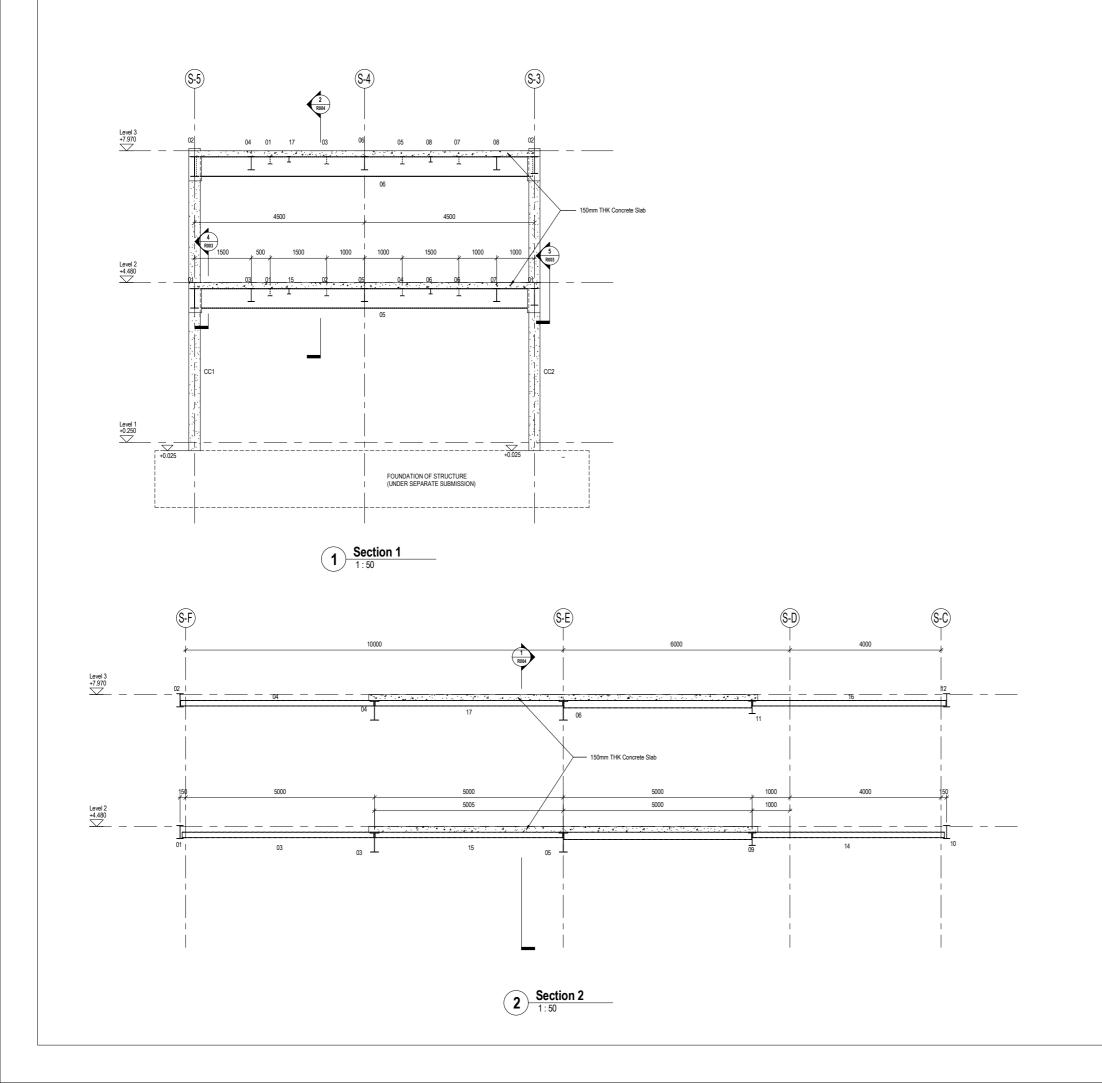




MS BASE PLATE

T25 REBAR

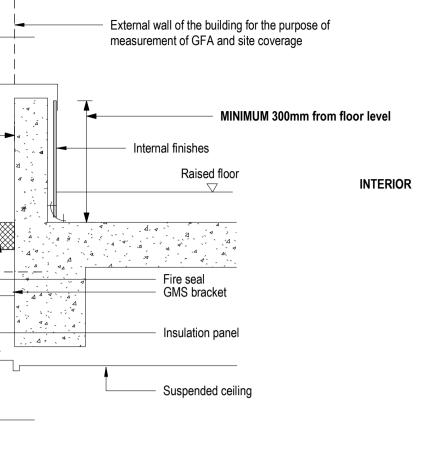
PILE CAP (UNDER SEPARATE SUBMISSION)



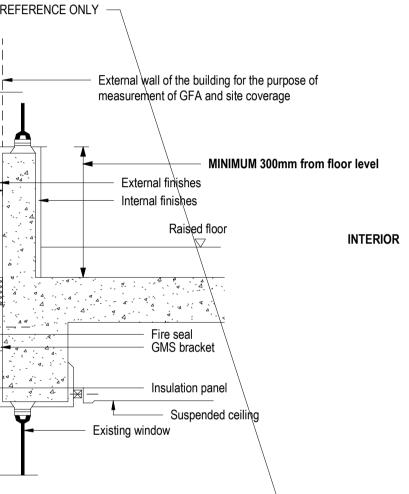
BIN REF : BIM REF : BD's OFFICAL USE SOmm (W) x 150mm (H) space SOMM (W) x 150mm (H) space SOMM (W) x 150mm (H) space			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) × 40mm (H) space for COMPANY LOGO 90mm (W) × 80mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) × 150mm (H) space	BIM REF		
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) × 40mm (H) space for COMPANY LOGO 90mm (W) × 80mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) × 150mm (H) space			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. ROO4 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. ROO4 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 80mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature' and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. ROO4 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
CIC SAMPLE PROJECT DRAWING TITLE STEEL STRUCTURAL SECTIONS SOLE AS SHOWN@A1 DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space			AMENDMENT
DRAWING TITLE STEEL STRUCTURAL SECTIONS SCALE AS SHOWN@A1 DRAWING NO. REV. NO. RO04 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE).IFCT
DRAWING NO. REV. NO. R004 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space	SCALE		244
SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space			
SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space			REV. NO.
90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space	0001102		
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space		90mm (W for COMF) x 40mm (H) space ANY LOGO
90mm (W) x 150mm (H) space		for AP/RS	SE/RGE's
90mm (W) x 150mm (H) space	BD's OF	FICAL USE	
for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)			

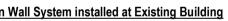
a. C b. C c. C d. C f. Bl g. B	ODE OF PRA ODE OF PRA ODE OF PRA RITISH STAN UILDING (COI	CTICE FOI CTICE FOI CTICE ON CTICE FOI CARD - ST NSTRUCTI	R STRUCTU WIND EFFE R STRUCTU RUCTURAL ION) REGUL	RAL USE OF S RAL USE OF G CTS IN HONG RAL USE OF C USE OF ALUM ATIONS S STEEL (SCI	GLASS, 2018, KONG 2019, CONCRETE 2 IINIUM BS81	B.D. H.K. B.D. H.K. 013, B.D. H.K. 18:1991			Curtian wall system —	-
										Y
2. GLAS	<u>S:</u>							Projection of th system not exc		
1	P10+12A+TP1 URFACE (GL-		ER GREY G	LASS PANEL (GLASS W/LO	W-E COATING (DN .	(domestic build domestic buildi	ing) /250mm (non-	
PI Ye	EFLECTION L ERMISSIBLE OUNG'S MOD ENSITY OF G	STRESS C ULUS, E =	DF TEMPERE 73 kN/mm ²	ED GLASS = 50) N/mm²			face of structur	al elements	
c. G	ASKETS: DEN	ISE : NEO		: 5 DURO - FOI DURO - FOR H					Glass —	
d. S	ETTING BLOC			JRO) QUARTER POI		39				
Tł	HE QUALITY (OAK TESTI	NG FOR ALL ON THE FA	- TEMPERED (BRICATION OF	GLASS FINSULATEE) GLASS UNIT				
	LL GLASS PA			COMMENDAT	ION OF AST	M E773.				
										<u>Section</u>
3. <u>DESIG</u>	ON CRITERIA									ſ
T(2. - I - 3 - 1 - 1 b. C M		FACTOR, = 3.08 kPa = 4.31 kPa n ABOVE I .5 kN/m ² = 1.5kN	Sa = 1.3 (COMPRES (SUCTION) FFL.					Projection of th system not exc (domestic build		
S	TRENGTH	- FOR R	EFERENCE	only —					ng) from the outer	
4. <u>STRU</u>	CTURAL STEI	<u>=L</u>								
a. B	.S. EN. 10210	FOR STE	EL HOLLOW	GRADE S275	J0 CLASS 1.					
b. B	.S. EN. 10025	FOR OTH	ER STRUCT	URAL STEEL	RADE S275	J0 CLASS 1.			Glass ——	-
W	ELDING TO E	.S. EN. 10	011	SECURED BY	RWISE STAT	ſED.				Å
E				TINGS AND G/ VITH TWO CO/		, TREAT CUT ALLIC ZINC-RIC	н			
F(P/	OR FIXING SH AINT TO B.S.	IALL BE H 4652,1995	OT-DIP GAL	KS AND BRAC VANIZING OF 3	ZNC	NESS.				<u>Sectior</u>
5. <u>ANCH</u>	OR BOLT									
	TALLATION (TURER'S SPE			HALL STRICTL	Y IN ACCOR	DANCE WITH TH	ΗE			
	NIMUM EMBEI DR BOLTS US				E FOR THE	ARIOUS TYPE	8			
BD REFEREN NO.				EFFECTIVE EMBEDMENT LENGTH		(kN) (kN)	AR TEST LOAD (kN) TENSILEx1.5			

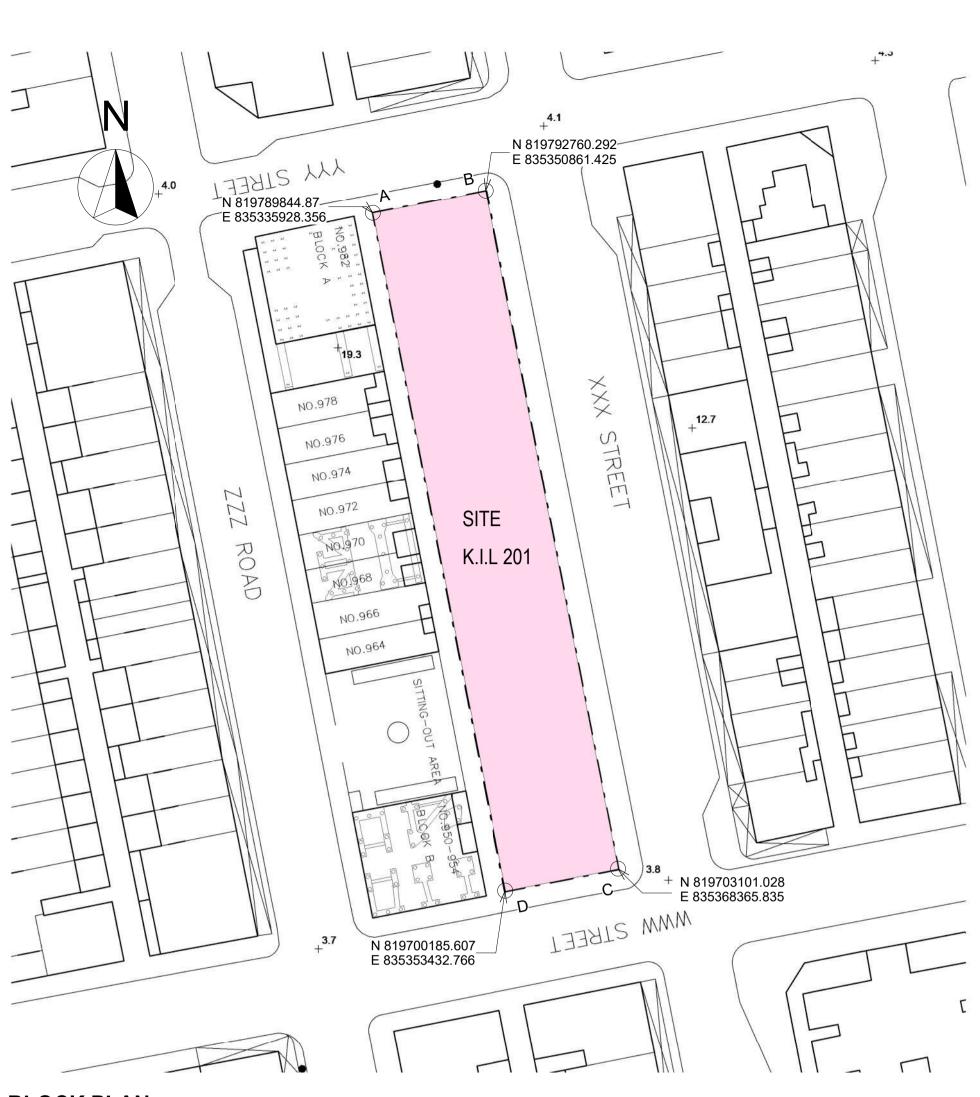
ARRANGEMENTS IS ±25mm











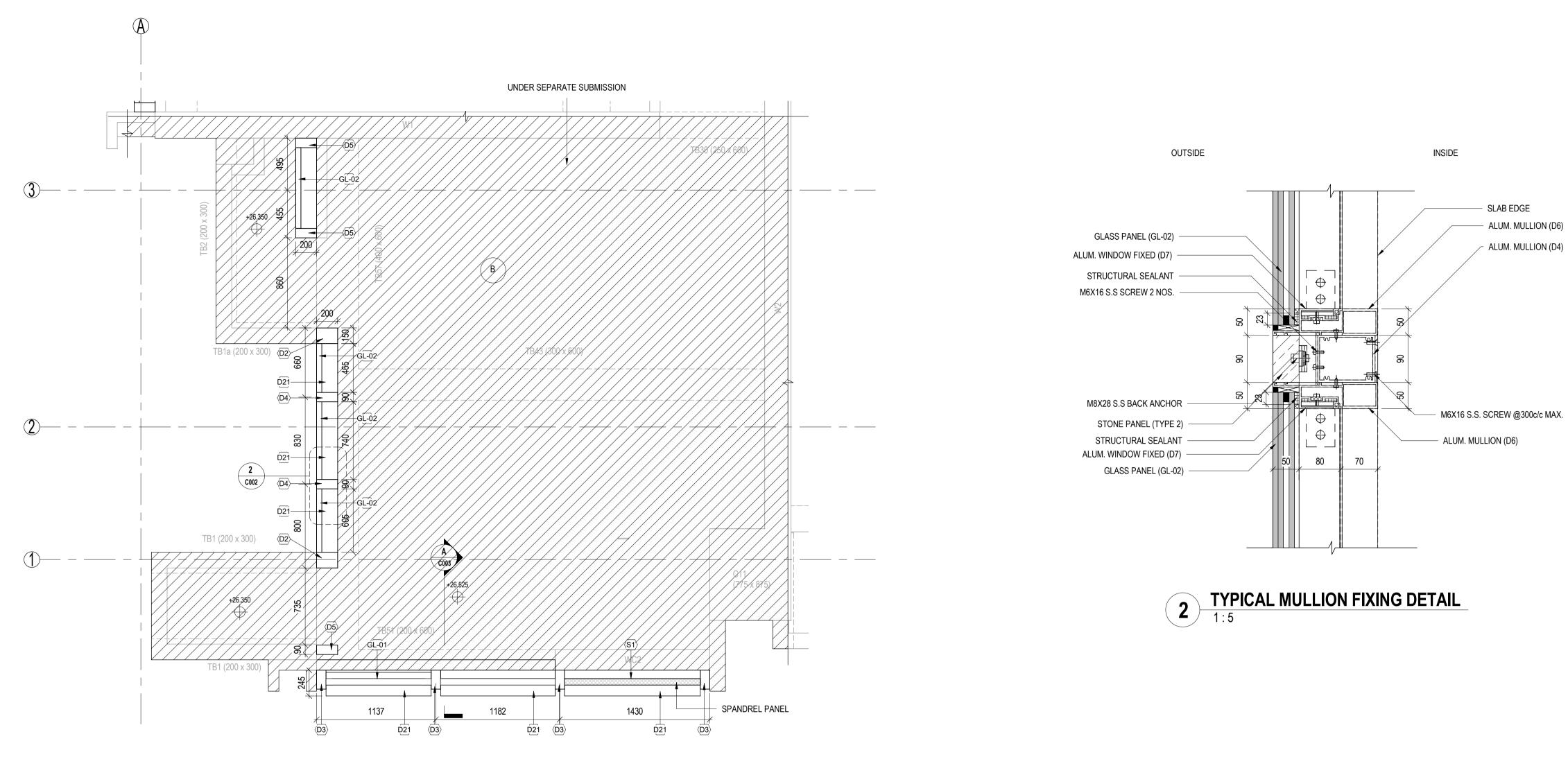
BLOCK PLAN 1 : 500

REV DATE AMENDMENT PROJECT CIC SAMPLE PROJECT DRAWING TITLE CURTAIN WALL GENERAL NOTES SCALE DRAWING NO. REV. NO. C001 SOURCE ---90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop **BD's OFFICAL USE** 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)

BD REF

BIM REF

This is an example of demonstrating the presentation of drawings generated from BIM according to the Standard and User Guides ONLY. It does should refer to other relevant references and remain unchanged no matter whether BIM is used or not used for the preparation of Statutory Plans.



1 5/F CURTAIN WALL LAYOUT PART PLAN (FLAT B) 1:25

NOTES: 1. ALL CONCRETE ELEMENTS ARE UNDER SEPARATED SUBMISSION

om BIM according to the Standard and User Guides ONLY. It does
I requirement of Statutory Plane. The PD enproved requirements

	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
BD's OFFICAL	USE
	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)

for COMPANY LOGO

SOURCE ---

90mm (W) x 40mm (H) space

REV. NO.

C002

DRAWING NO.

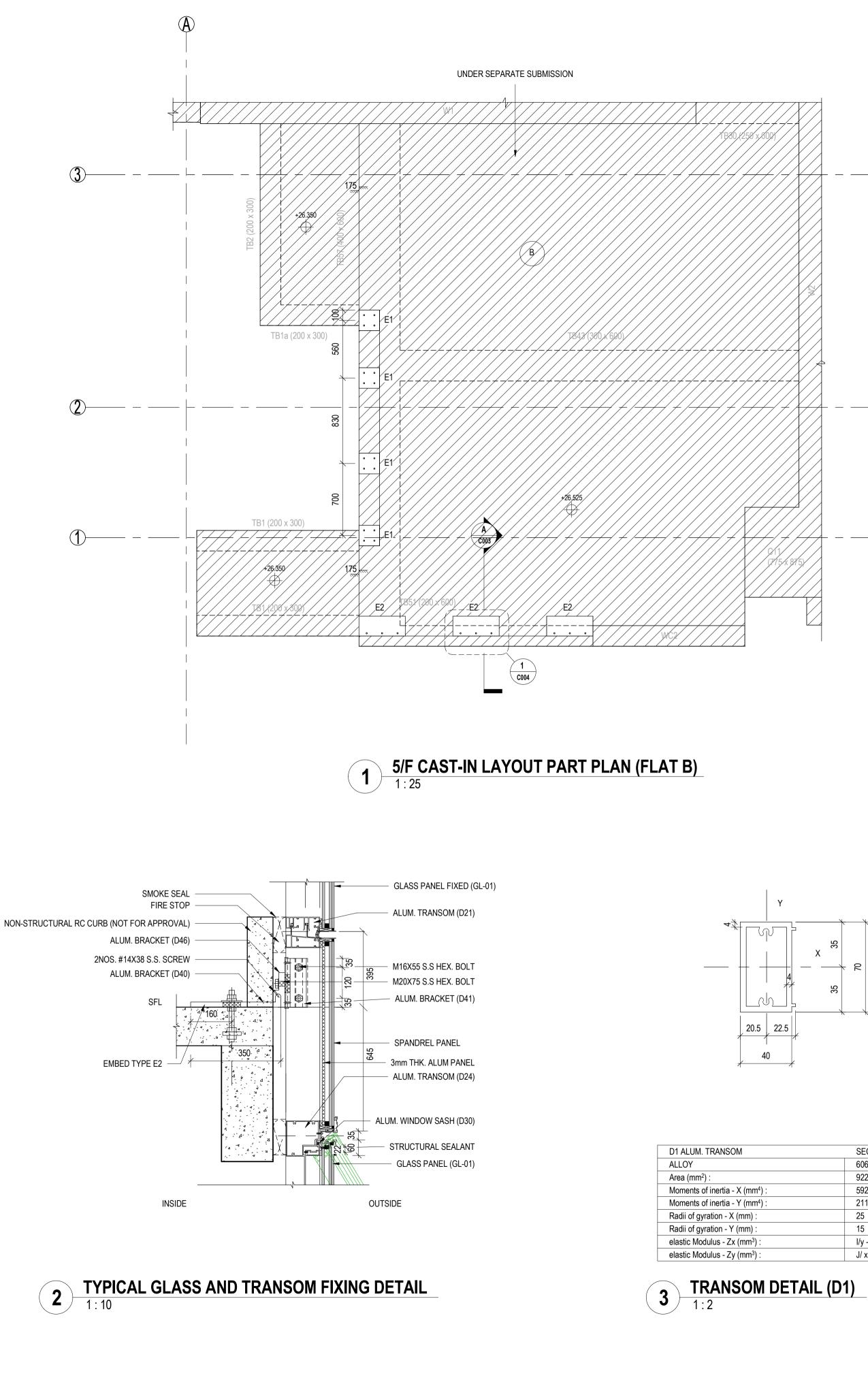
SCALE

BD REF

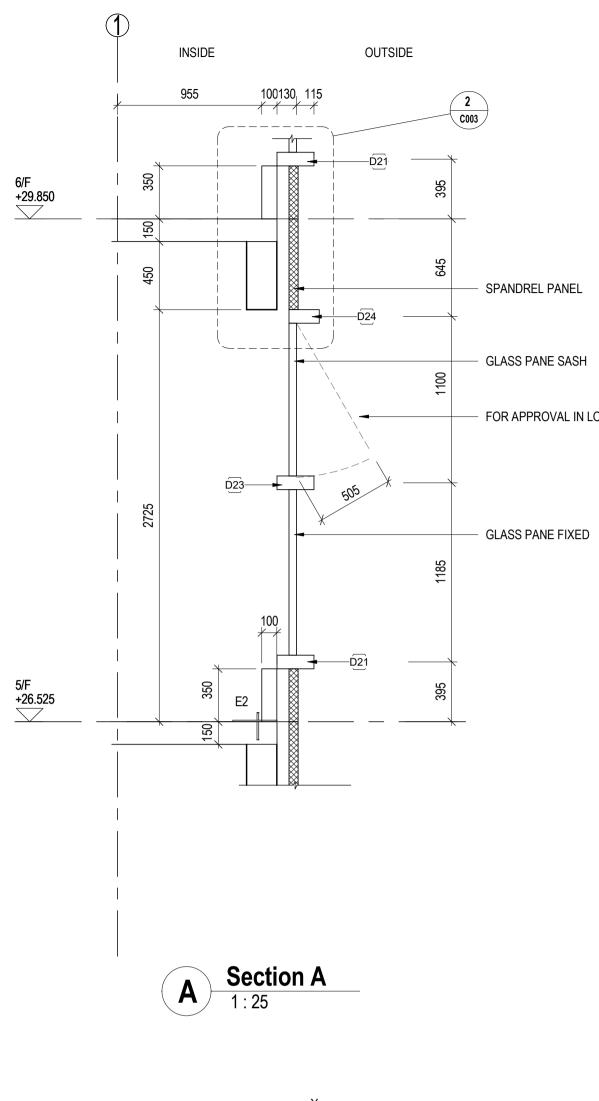
BIM REF

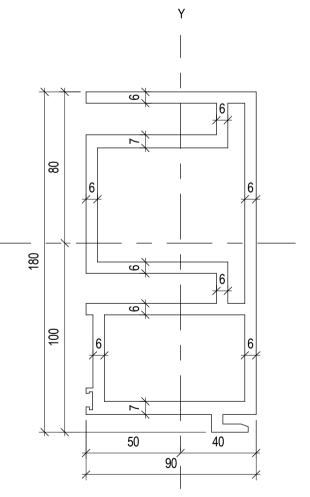
DRAWING TITLE CURTAIN WALL LAYOUT PART PLAN

REV DATE AMENDMENT PROJECT CIC SAMPLE PROJECT



D1 ALUM. TRANSOM	SECTION PROPERTY
ALLOY	6063-T6
Area (mm ²) :	922.5
Moments of inertia - X (mm ⁴) :	592951
Moments of inertia - Y (mm ⁴) :	211886
Radii of gyration - X (mm) :	25
Radii of gyration - Y (mm) :	15
elastic Modulus - Zx (mm ³) :	l/y - max = 16941
elastic Modulus - Zy (mm ³) :	J/ x- max = 9326





D3 ALUM. MULLION	SECTION PROPERTY
ALLOY	6063-T6
Area (mm ²) :	2311.8
Moments of inertia - X (mm ⁴) :	4509546
Moments of inertia - Y (mm ⁴) :	629163
Radii of gyration - X (mm) :	44
Radii of gyration - Y (mm) :	16
elastic Modulus - Zx (mm ³) :	l/y - max = 63137
elastic Modulus - Zy (mm ³) :	J/ x- max = 25172

4 MULLION DETAIL (D3) 1:2

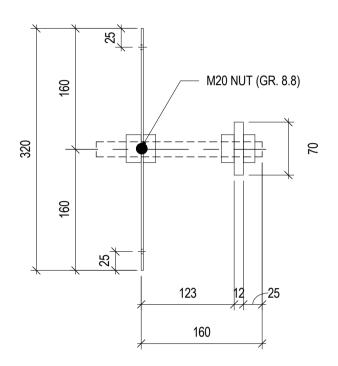
This is an example of demonstrating the presentation of drawings generated from BIM according to the Standard and User Guides ONLY. It does NOT represent the completeness of Submission Drawings under BD's approval requirement of Statutory Plans. The BD approval requirements should refer to other relevant references and remain unchanged no matter whether BIM is used or not used for the preparation of Statutory Plans.

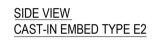
BD REF :
BIM REF :
REV DATE AMENDMENT
PROJECT
CIC SAMPLE PROJECT
DRAWING TITLE CURTAIN WALL CAST-IN LAYOUT PART
PLAN
SCALE
DRAWING NO. REV. NO.
C003
SOURCE
90mm (W) x 40mm (H) space for COMPANY LOGO
90mm (W) x 60mm (H) space for AP/RSE/RGE's
signature/ and stamp chop
BD's OFFICAL USE
90mm (W) x 150mm (H) space for BD's approval stamp /
certification of copies of approved plans
(PNAP ADM-10 APP A)

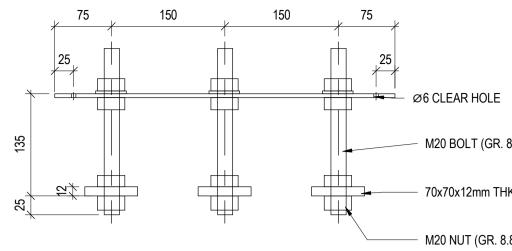
- FOR APPROVAL IN LOCKED POSITION ONLY

UNFACTORED FO	RCES FOR CAST-IN E	MBED TYPE E2
	D.L.	W.L.
Fx (kN)	0	0
Fy (kN)	0	39.5
Fz (kN)	-14	0
Mx (kNm)	0.9	2
My (kNm)	0	0
Mz (kNm)	0	0

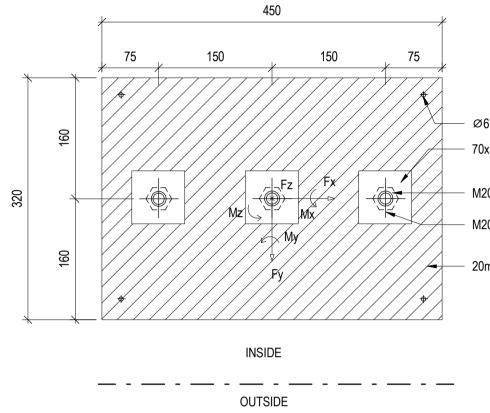
*(W.L.) WIND LOAD ARE REVERSIBLE







ELEVATION VIEW CAST-IN EMBED TYPE E2



<u>PLAN VIEW</u> CAST-IN EMBED TYPE E2



- M20 BOLT (GR. 8.8)

- 70x70x12mm THK. G.M.S. PLATE (GR. S275)

– M20 NUT (GR. 8.8)

Ø6 CLEAR HOLE

- 70x70x12mm THK. G.M.S. PLATE (GR. S275)

— M20 NUT (GR. 8.8)

— M20 BOLT (GR. 8.8)

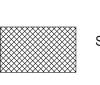
20mm THK. G.M.S. PLATE GRADE S275

BD REF :		
BIM REF :		
REV PROJECT	DATE	AMENDMENT
CIC SAMF	PLE PRC	JECT
EMBED D	ETAIL	
SCALE		
SCALE DRAWING NO.		REV. NO.
		REV. NO.
DRAWING NO.		REV. NO.
DRAWING NO.		REV. NO.
DRAWING NO.	90mm (W	
DRAWING NO.	90mm (W for COMF	REV. NO. /) x 40mm (H) space PANY LOGO
DRAWING NO.	90mm (W for COMF	/) x 40mm (H) space
DRAWING NO.	90mm (W for COMF	/) x 40mm (H) space
DRAWING NO.	90mm (W for COMF	/) x 40mm (H) space
DRAWING NO.	90mm (W for COMF	/) x 40mm (H) space
DRAWING NO.	for COMF	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space
DRAWING NO.	for COMF 90mm (W for AP/RS	/) x 40mm (H) space PANY LOGO
DRAWING NO.	for COMF 90mm (W for AP/RS	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO.	for COMF 90mm (W for AP/RS	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO.	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	for COMF 90mm (W for AP/RS signature . USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	90mm (W for AP/RS signature USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	90mm (W for AP/RS signature USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	90mm (W for AP/RS signature USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	90mm (W for AP/RS signature USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	90mm (W for AP/RS signature USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop
DRAWING NO. C004 SOURCE	90mm (W for AP/RS signature USE	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space SE/RGE's / and stamp chop

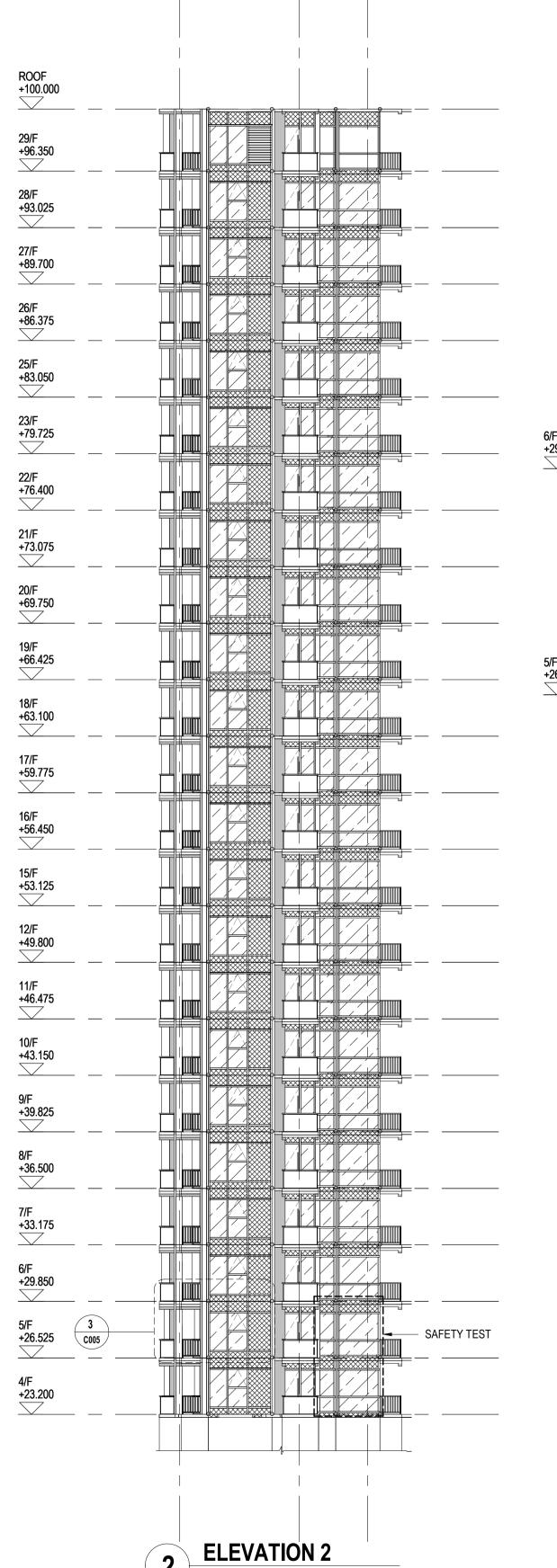
This is an example of demonstrating the presentation of drawings generated from BIM according to the Standard and User Guides ONLY. It does NOT represent the completeness of Submission Drawings under BD's approval requirement of Statutory Plans. The BD approval requirements should refer to other relevant references and remain unchanged no matter whether BIM is used or not used for the preparation of Statutory Plans.

		K	\mathbb{H}	G F	C	B	A
ROOF +100.000	X						
29/F +96.350	3650						
28/F +93.025	3325						
27/F +89.700	3325						
26/F +86.375	3325						
25/F +83.050	3325						
23/F +79.725	3325						
22/F +76.400	3325						
21/F +73.075	3325			KOVIEN BAU			
20/F +69.750	3325						
19/F +66.425	3325						
18/F +63.100	3325						
17/F +59.775	3325						
16/F +56.450	3325						
15/F +53.125	5 3325						
12/F +49.800	5 3325						
11/F +46.475	5 3325						
10/F +43.150	5 3325						
9/F +39.825	25 3325						
8/F +36.500	25 3325						
//F +33.175	25 3325						
5/F	25 3325						
5/F +26.525	25 3325						
4/F +23.200	3325						

ELEVATION 1 1 : 200 1







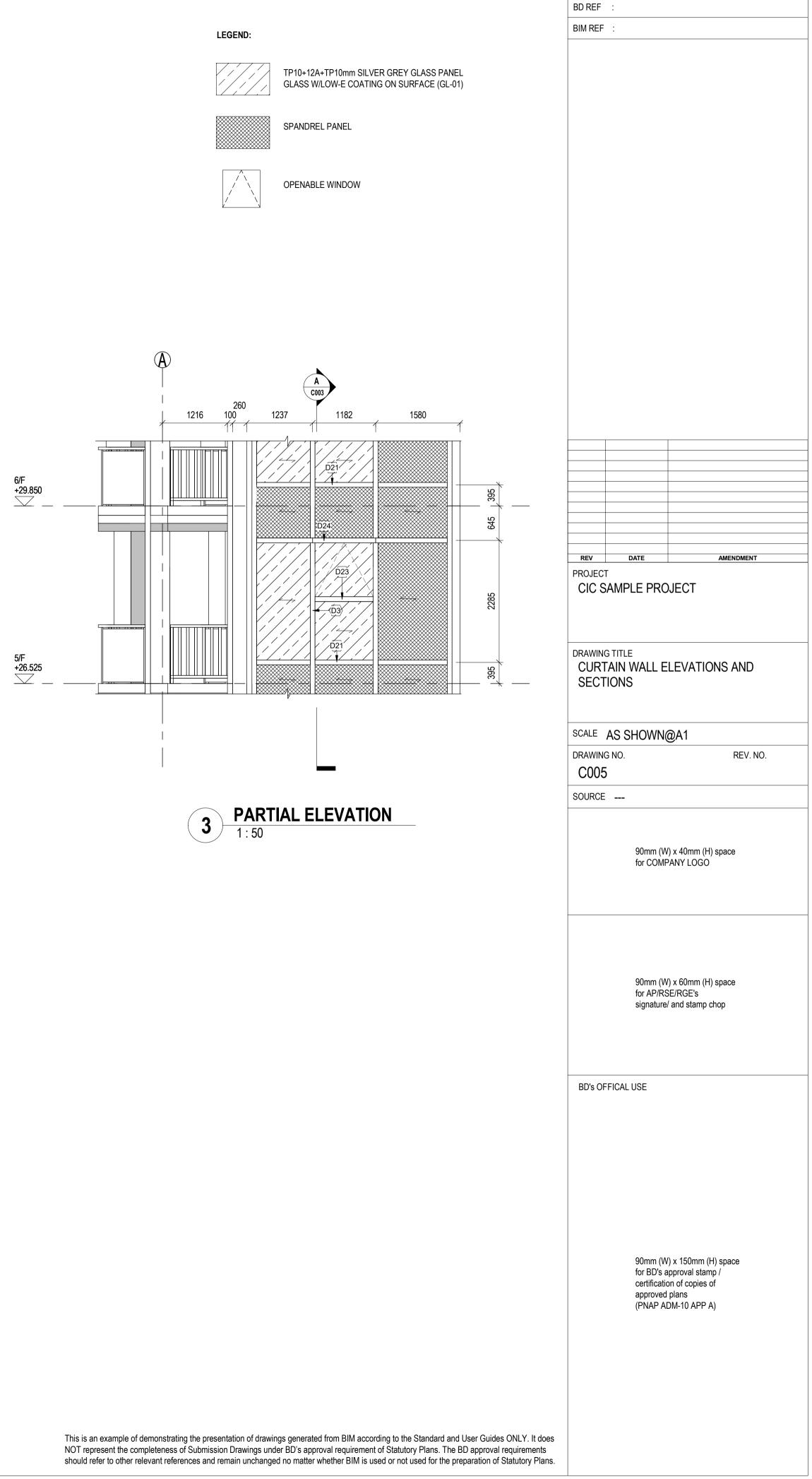
2

1 : 200

A

B

 $\widehat{\mathbf{C}}$



GENERAL NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE STATED. 2. THE LEVELS ARE IN METERS ABOVE PRINCIPAL DATUM(mPD) UNLESS OTHERWISE STATED. 3. ALL PREPOSED CAP TO PLEVEL SHOULD BE 3.98mPD. THICKNESS OF CAP TO BE 2500mm. CONCRETE GRADE OF PILE CAP IS CA520THUDER SEPARATE SUBMISSION)

- CAP IS C45/2014/UDER SEPARATE SUBMISSION) ALL PILE CAP SHOULD SE LUNDER SEPARATE SUBMISSION. ALL FOUNDING LEVELS OF DARED PILES AS SHOWN ARE TENTATIVE ONLY. HEIGHT OF BUILDING TO BE 113m. THE DESIGN OF BORED PILNG WORKS SUBPREMENT OF DO THATCOLE ON WIND EFFECTS IN HONG KONG 2019, CODE OF PRACTICE FOR FOUNDATION 2017 AND PRACTICE NOTES FRML THE BUILDINGS DEPARTMENT. HIGHEST POSSIBLE GROUND WATER LEVEL TO BE +642mPD. EXISTING GROUND LEVELS +642mPD.
- . FLEXIBLE CAP THEORY IS ADAPTED IN PILE DESIGN 10. ALL LATERAL LOADS ARE RESISTED BY BORED PILES & SOCKETED H-SHEET PILES.
- 11. WIND LOAD SHALL BE REVERSIBLE.
- CONSIDERATION OF N.S.F. IS NOT REQUIRED
- 13. THE PILE HEAD FOR BORED PILES IS ASSUMED AS FIXED.

GENERAL NOTES FOR BORED PILE

- . STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND BUILDING CECES DRAWINGS. SETTING OUT TO BE IN ACCORDANCE WITH RELEVANT ARCHITECTURAL DRAWINGS.
- CONCRETE USED IN BORED PILE SHALL HAVE PFA CONTENTS COMPLYING WITH PNAP APP-33 AND NOT EXCEED 25% OF THE
- CONCRETE USED IN BORED PILE SHALL HAVE PFA CONTENTS COMPLYING WITH PNAP APF-33 AND NOT EXCEED 25% OF THE CEMERY CONTENT AND COMPLY WITH PNAP APF-74. THE REACTIVE ALKALU OF CONCRETE EXPRESSED AS THE EQUIVALENT SOBIUM XIDE PER CUBIC METER OF CONCRETE SHOLLD NOT EXCEED 30kg. ALL DESIGNS IN ACCORDANCE WITH HONG KONG (CONSTRUCTION) REGULATION 1990" WITH LOAD COMBINATION IN ACCORDANCE WITH TABLE 2.1 OF "THE CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013" FOR REINFORCED CONCRETE DESINN. THE LOAD COMBINATIONS INCLUDE 1.40-1.84, 1.40-1.4W, 1.20+1.24-1.2W, 1.00-1.4W THE CONTRACTOR HALL ESTABLISH THE BASE SETTING OUT POINTS AND LINES FOR THE ENSINGERS. THE CONTRACTOR SHALL ESTABLISH THE BASE SETTING OUT POINTS AND LINES FOR THE ENSINGERS. THE CONTRACTOR SHALL ESTABLISH THE BASE SET THE CONTRACTOR SHALL CARRY OUT PRE-CONSTRUCTION DUTLETES WITHIN AND CLOSE TO THE EXCAVATION AREA. THE CONTRACTOR SHALL CARRY OUT PRE-CONSTRUCTION DUTLETE SUITING UNDERGROUND UTLITES WITHIN THE WORK AREA. ALL DESIGNER HER CONTRACTOR SHALL CARRY OUT PRE-

- ALL REINFORCEMENTS ARE HIGH TENSILE DEFORMED STEEL BAR (Y) AND MILD STEEL ROUND BAR (R) COMPLYING WITH CS2 2012 WITH MINIMUM YIELD STRESS AS FOLLOWS :
- CS2 2012 WITH MINIMUM YIELD STRESS AS FOLLOWS: HIGH TRUBLE DEPORMED STREL BAR = 500 N/mm² MILD STEEL ROUND BARS = 250 N/m² FOR **REFERENCE ONLY** CONCRETE MIX FOR ALL BORED PILES TO BE GRAUE GAS COMPLYING WITH HONG KONG BUILDING (CONSTRUCTION) REGULATION CONCRETING METHOD TO BE BY TREME: A REDUCTION FACTOR OF 0.8 SHALL BE APPLIED FOR CONCRETE STRENGTH. ALL LAP LENGTHS OF REINFORCEMENT SHALL BE 460 WHERE D IS THE DIAMETER OF REINFORCEMENT. CUT-OFF LEVEL AND TENTATIVE FOUNDING LEVEL FOR ALL PILES ARE SHOWN IN THE BORED PILE SCHEDULES. COVER TO MAIN REINFORCEMENT FOR BORED PILES TO BE 75mm.

- 10. ALL DIMENSIONS ARE IN mm.
- ALL DIMENSIONS ARE IN TIMI.
 ALL LOWENSIONS ARE IN TIMI.
 ALL LEVELS ARE IN MPD.
 ESTIMATED PILE LENGTHS GIVEN IN THE PILING SCHEDULE ARE MEASURED FROM THE CUT-ONE LEVEL OF INDIVIDUAL PILES.
 ESTIMATED PILE LENGTHS GIVEN ARE TENTATIVE. ACTUAL PILE LENGTH FOR INDIVIDUAL PILES VALL BE VERIFIED ON SITE.
 THE TENTATIVE FOUNDING LEVELS OF BORED-PILES ARE APPROXIMATE AS DETERMINED FROM THE BOREHOLE
- THE TENTATIVE FOUNDING LEVELS OF BORED-TIES AND AFFRONTIATE AS DETENTING AND THE BOREHOLE INFORMATION.
 CONCRETE SHALL BE COMPILED WITH CS1: 2010, EXCEPT CLAUSE 7.1.
 BORDE PILE IS DESIGNED AS FIXED HEAD AND PILE CAP TO BE DESIGNED AS FLEXIBLE CAP. PILE CAP SHALL BE PROVIDED AT 82/F (UNDER SEPARATE SUBMISSION)
- AT B2F (UNDER SEPARAT E SUBMISSION) 17. NO NEGATIVE SKIN FRICTION TO BE CONSIDERED FOR PILE DESIGN DUE TO COMPLETION OF CONSOLIDATION AND REDUCTION OF OVERBURDEN PRESSURE FROM THE BASEMENT CONSTRUCTION. 18. CORRESPONDING BP SUBMISSION AND SUBSEQUENT AMENDMENT SHALL BE SUBMITTED TO TALLY WITH THE AS-BUILT 19. CORRESPONDING CONTRACT AND SUBSEQUENT AMENDMENT SHALL BE SUBMITTED TO TALLY WITH THE AS-BUILT SETTING OUT OF BORED PILES.

NOTES ON FOUNDING CRITERIA AND PREDRILLING

- AL BORED PILES SHOULD BE FOUNDED AT THE PRESCRIBED LEVELS WHICH ARE DETERMINED BY THE FOLLOWING CRITERIA: 1. THE EQUINDING STRATUM SHALL BE SLIGHTLY TO MODERATELY DECOMPOSED MODERATELY STRONG ROCK OR MATERIAL HERING CAT (1C) ROCK OF BETTER. WITH A TOTAL CORE RECOVERY OF MORE THAN 85% OF THE GRADE AND MINIMU MPRESSION STRENGTH (UCS) NOT LESS THAN 25MPa OR EQUIVALENTLY POINT LOAD INDEX STRENGTH (PLI50) NOT ΠΝΙΔΧΙΔΙ Ο
- UNIAXIAL COMPRESSION STRENGTH (UCS) NOT LESS THAN 25MPa OR EQUIVALENTLY POINT LOAD INDEX STRENGTH (PLI50) NOT LESS THAN IMPA. THE ALQUIABLE BEARING CAPACITY SHOULD BE 5000 RPa 2. PRE-DRILLING SHALL BE CARRIED OUT FOR EACH PILE TO ASCERTAIN THAT THE FOUNDING TO A DEPTH 5m OR THE DESIGNED LENGTH OF THE ROCK SOCKET OF THE **FOR REFERENCE ONLY** (45 ROCK OR BETTER WITH TCR > 85% WHICHEVER IS DEEPER 3. PRIOR TO THE COMMENCEMENT OF BORED PILE WORKS, PRE-DRILLING RECORDS SHALL BE SUBMITTED TO THE SATISFACTION OF THE ENGINEER. IN CASE CHANGE IN FOUNDING LEVEL IS REQUIRED, CORRESPONDING AMENDMENT SHALL BE SUBMITTED TO BD LEO ADDOVIDI
- FOR APPROVAL
- 4. THE ALLOWABLE BOND BETWEEN ROCK AND CONCRETE SHOULD BE 700 kPA UNDER COMPRESSION OR TRANSIENT TENSION, AND 350kPA UNDER PERMANENT TENSION.

METHOD STATEMENT OF BORED PILE CONSTRUCTION

- AIR COMPRESSORS. 14. THE MUDDY WATER WITHIN THE STEEL CASING SHALL BE CLEANED AND DELIVERED INTO A DESILTING TANK BEFORE
- DISCHARGED INTO DRAINS. 15. THE PILE SHAFT SHALL THEN BE CONCRETED USING HIGH SLUMP TREMIE CONCRETE THROUGH TREMIE PIPE DISPLACING
- FLUID UPWARDS.
- PLOID OF VIANUS. 16. DURING CONCRETING OPERATION, THE TEMPORARY STEEL CASING SHALL BE EXTRACTED SINULTANEOUSLY BY THE OSCILLATOR OR ROTATOR. A HEAD OF APPROX. 2m IS MAINTAINED BETWEEN THE TOP OF THE CONCRETE AND THE BASE OF THE TEMPORARY STEEL CASING. 17. THE BASE OF THE TREMIE PIPE SHALL BE KEPT AT A MINIMUM DEPTH OF APPROX. 2m BELOW THE SUFFACE OF THE CONCRETE AND THE SUFFACE OF THE
- CONCRETE. 18. CONCRETING SHALL BE CARRIED OUT IN ONE CONTINUOUS OPERATION UNTIL 1.0m.ABOVE THE CUT-OFF EVEL 2. THE
- MATURER
- CONCRETING SHALL BE CARRIED OF IN ONE CONTINUOUS OF PERTION UNTIL TURNED VETTHE CFORP EVEL 2. IN TREMIE PIPE VILLE BE STRACTED.
 CORING TEST OF PILES SHALL BE CONDUCTED IN ACCORDANCE WITH PNAP APP-18 AFTER THE CONCRETE IS MATURE 20. THE CONTRACTOR SHALL CARRY OUT SONIC LOGGING TEST FOR 100% AT THE TOTAL NUMBER OF LARGE DIAMETER BORED PILE BY AN INDERNDETIN APPROVED LABORATORY
 NO PILE EXCAVATION SHALL CARRIED OUT WITHIN DISTANCE NO LESS THAN 10m FORM AN ADJACENT PILING BEING UNDER EXCAVATION OR AN ADJACENT PILE HAS BEEN CONCRETING LESS THAN 24 HRS PREVIOUSLY

NOTES ON CONTINGENCY PLAN FOR BORED PILE CONSTRUCTION

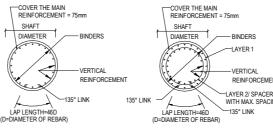
- THE COLLAPSE OF PILE SHAFT EXCAVATION AT AND BELOW THE TIP OF TEMPORARY STEEL CASING OCCURS, WORKS ON BORED PILES SHOULD BE CEASED INMEDIATELY AND FOR REFERENCE ONLY VECTIMED. 2. CONCRETE SHALL THEN BE POURED INTO THE FILE STAFT AND COMPACTED WITH DROP MASS TO FORM A CONCRETE PLUG IN ORDER TO PREVENT FURTHER COLLAPSE OF PILE SHAFT.

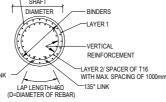
NOTES ON PROOF TEST BY CORE-DRILLING

- CORE_DRILLING SHOULD BE TAKEN THROUGH THE FULL DEPTH OF THE PILE AND CARRIED DOWN TO A DISTANCE OF AT LEAST HALF A DRAKETER OF THE BASE. OR 00mm, WHICHEVER IS LARGER, INTO THE GROUND UPON WHICH THE PILE IS FOUNDED. THE COMPLETED CORES SHOULD BE PROPERLY MARKED AND ARRANGED IN ORDER FOR INSPECTION. THE CONCENT CORES SHOULD BE PROPERLY MARKED AND ARRANGED IN ORDER FOR INSPECTION. THE CONCENT CORES SHOULD SHOT SHOT WILL AND EXPERIENCE ONLY BE MORE THAN FIGURE NO. '(16(b))' IN ACCORDANCE WITH THE CIRCES SHOT SHOT AND EXPERIENCE ONLY BE MORE THAN FIGURE NO. '(16(b))' IN ACCORDANCE WITH THE CIRCEST AND A CONCENTRATE AND CARD AND ARRANGED ARRANGED ARRANGED AND ARRANGED ARRANGED AND ARRANGED AND ARRANGED ARR
- WITH THE CLASSIFICATION DEFINED IN TABLE 4 OF CS12010. 4. ANY ROCK CORE OBTAINED SHALL BE VISUALLY EXAMINED TO CONFORM TO THE REQUIRED ROCK-MATERIAL SPECIFIED IN THE
- 5 THE CORES SHALL ALSO BE EXAMINED TO CONFIRM THE ADEQUACY OF THE INTERFACE BETWEEN THE CONCRETE AND ROME

NOTES ON MINOR IMPERFECTION OF PILE / ROCK INTERFACE

- SHOULD ANY SEDIMENT AND/OR SEGREGATION MORE THAN 50mm THICK BE FOUND AT THE CONCRETE / ROCK INTERFACE DURING THE INTERFACE PROOF DRILLING. REMEDIAL WORKS BY MEANS OF PRESSURE GROUTING SHALL BE CARRIED OUT HE SUPERVISION OF RSE.
- THE PILE BASE SHOOLD BE CLEANED BY HIGH WATER JETTING WITH MINIMUM JET PRESSURE OF 200 BARS PRIOR TO PRESSURE GROUT. SHOULD NOT BE LESS THAN THE CONCRETE STRENGTH
- PRESSUME GROUT. THE GROUT SHOULD BE CEMENT GROUT AND THE GROUT STRENGTH SHOULD NOT BE LESS THAN THE CONCRETE STRENC OF BORED PILES. THE GROUT PRESSURE SHALL NOT BE LESS THAN 25 BAR AND SHALL BE MAINTAINED FOR AT LEAST 5 MINUTES UNTIL NO CONSTRUCTIVE OF THE THAT AND THE LESS THAN 25 BAR AND SHALL BE MAINTAINED FOR AT LEAST 5 MINUTES UNTIL NO
- THE GROUT PRESSURE SHALL NOT BE LESS THAN 25 BAR AND SHALL BE MAINTANED FOR AT LEAST 5 MINUTES UNTIL NO SIGNIFICANT GROUT INTAKE IS NOTED. DETAILED METHOD STATEMENT FOR THE GROUTING WORKS SHALL BE SUBMITTED BY CONTRACTOR TO THE REF FOR HIS ACCEPTANCE PRIOR TO CARRYING OUT THE GROUTING WORKS. THE GROUTING WORKS SHALL BE SUPERVISED BY THE RSE AND ALL RELEVANT RECORDS SHALL BE KEPT ON SITE FOR INSPECTION AT ALL TIMES. FULL DETAILS OF THE REMEDIAL GROUTING WORKS INCLUDING IDENTIFICATION OF THE PILES FOR GROUTING, NATURE AND THICKNESS OF THE SEDIMENTISEGREGATION DISCOVERED. EFFECTIVENES OF FLUSHING AND GROUTING KNOKS. GROUTING RECORDS AND GROUT CUBE TEST REPORTS SHALL BE INCORPORATED IN THE PILLING REPORTS TO BE SUBMITTED TO THE DIMEN AUTHORY LODAN COME INCLUDING SUBJECTION THE PILL OF THE PILLING REPORTS TO BE SUBMITTED TO THE DIMEN AUTHORY LODAN COME INCLUDING SUBJECT ON THE PILLS FOR GROUTING KNOKS. TO THE BUILDING AUTHORITY UPON COMPLETION OF THE PILING WORKS





3

F.L.

SECTION 3-3

3

- CASING

ŧ**ē**≕ē

BORED PILE DIAMETER

TYPICAL TUBE INSTALLATION

(FOR BORED PILE) 1:100

- R10 @ 1000 C/C VERTICAL

150 M.S. PIPE FOR INTERFACE CORING

- STIFFENING LINK, T16 @ 3000 C/C

M.S. PIPE FOR SONIC TEST

(BOTTOM OF SLEEVE TO BE SEALED)



.**m**

DIAMETER OF SHAFT

DIAMETER OF BELLOUT

RCD BELLOUT TOOL (FOR INFORMATION ONLY)

(N.T.S.)

í∰ h

3 ARMS

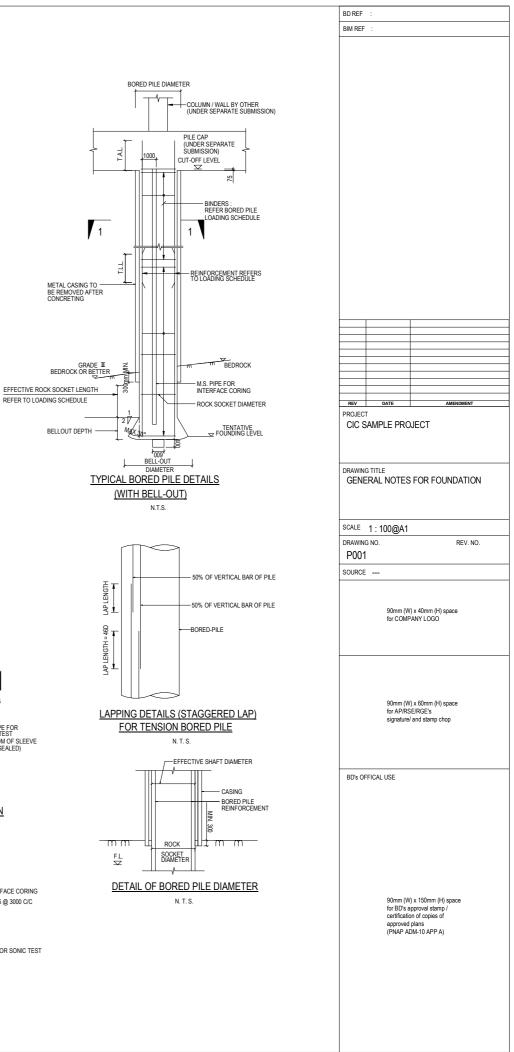


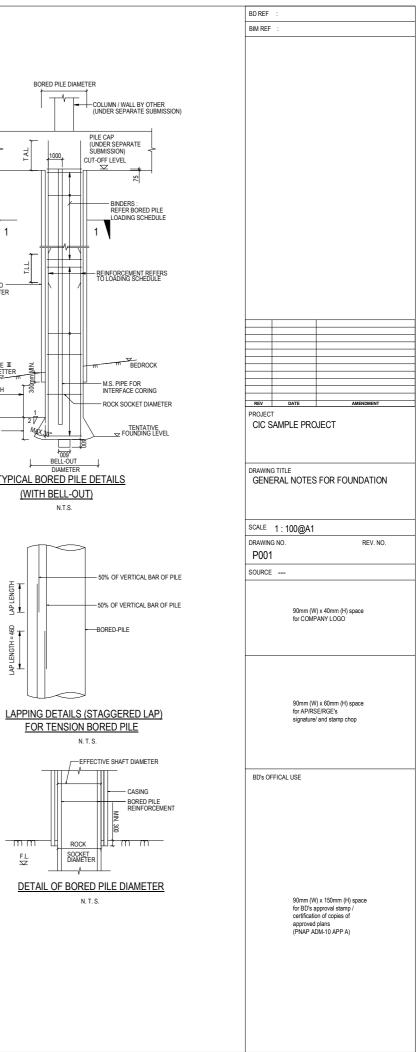
TYPE2

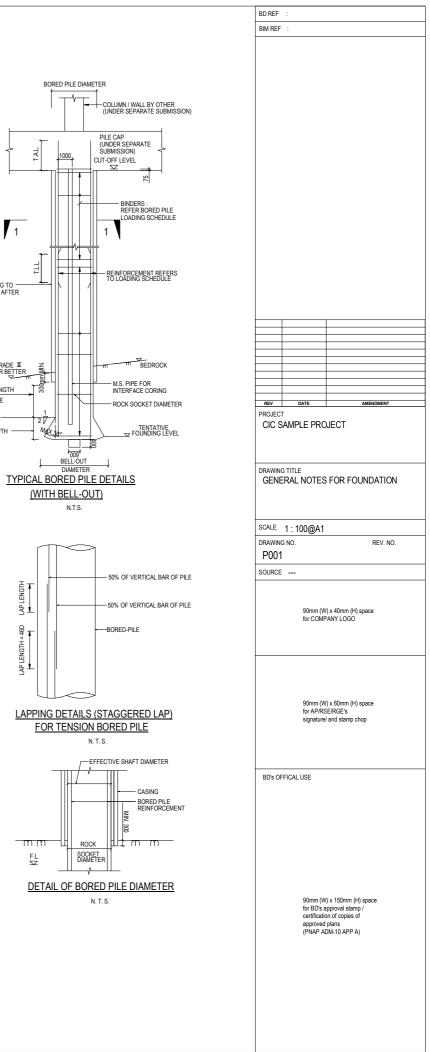
- PNEUMATIC CONTROL

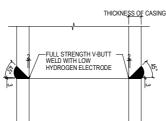
TENTATIVE FOUNDING LEVEL

- RING STABILIZER









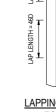


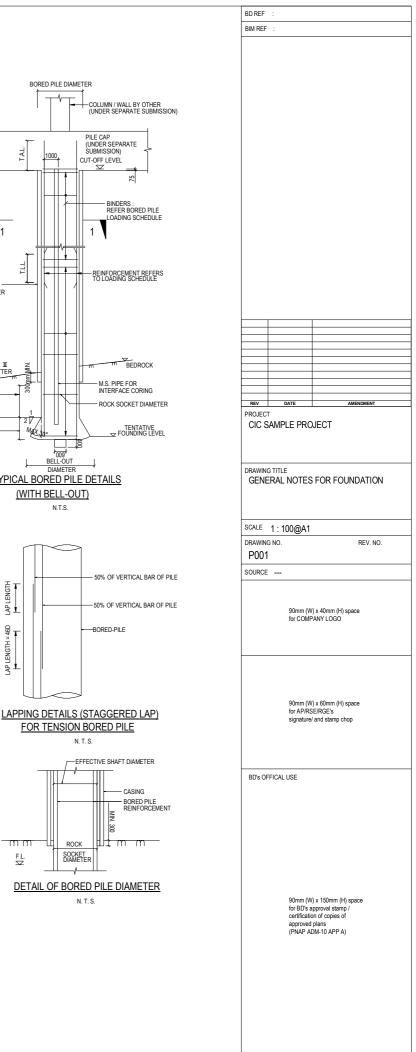
N. T. S.

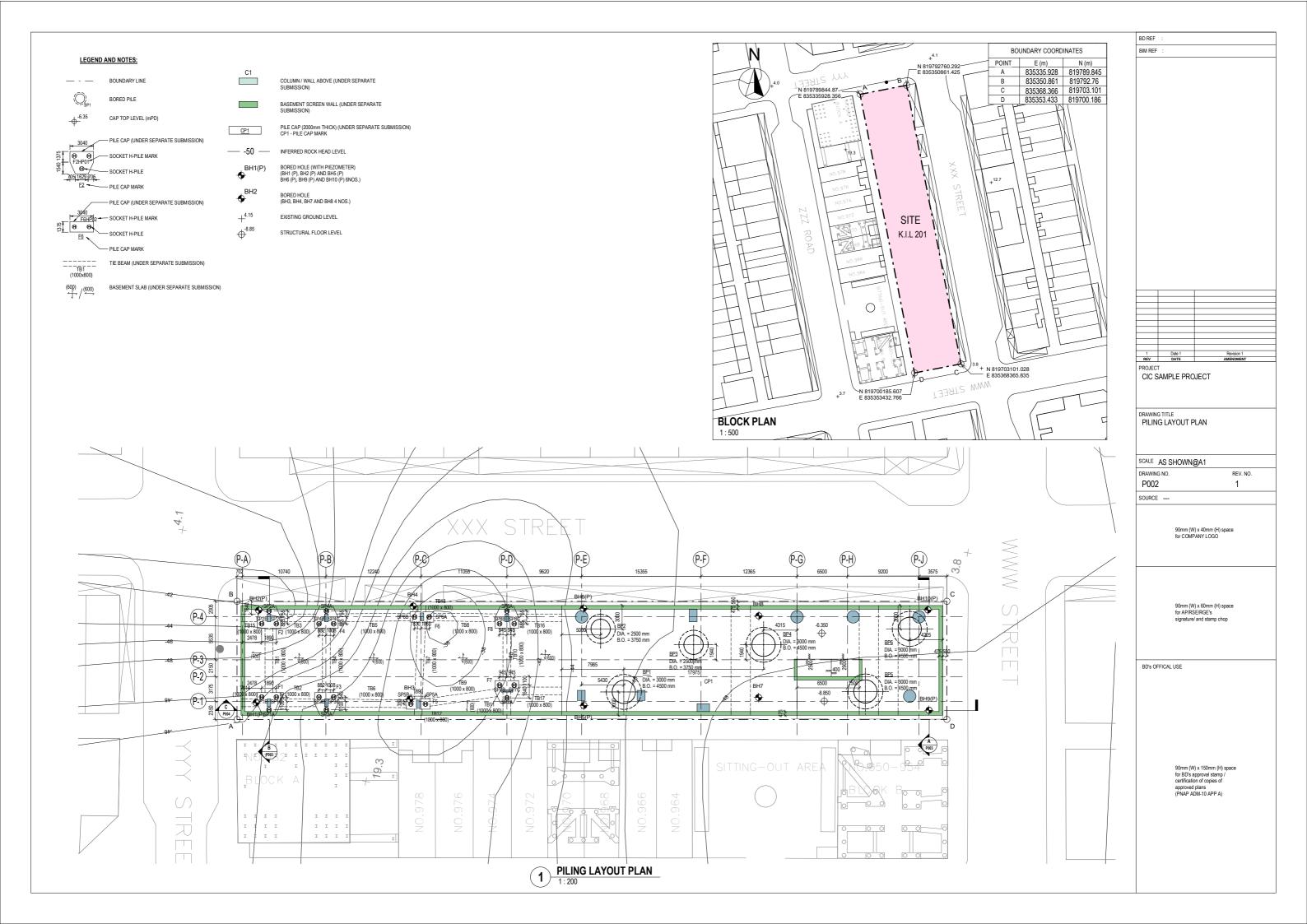


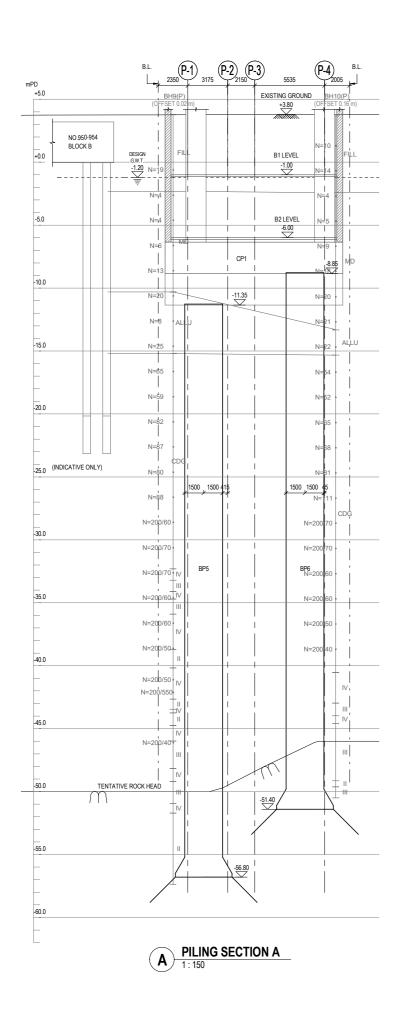
-TAP WELD WITH 4mm — 50 M.S. PIPE FOR SONIC TEST BORED PILE DIAMETER

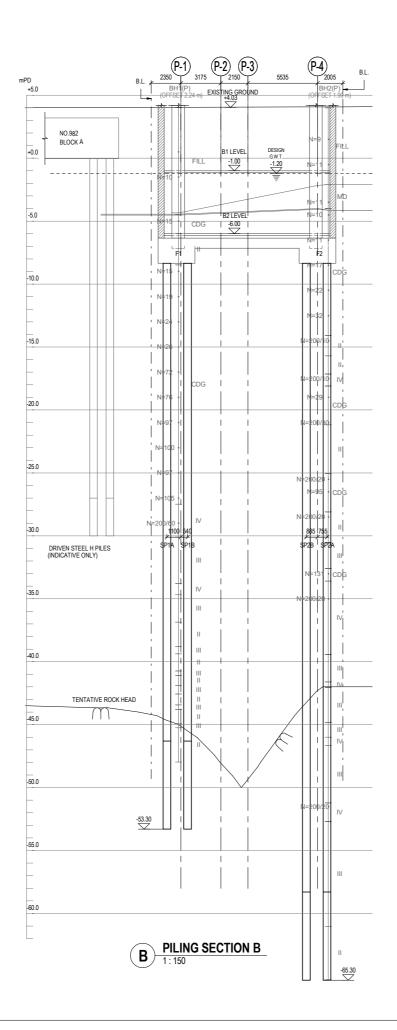


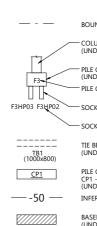






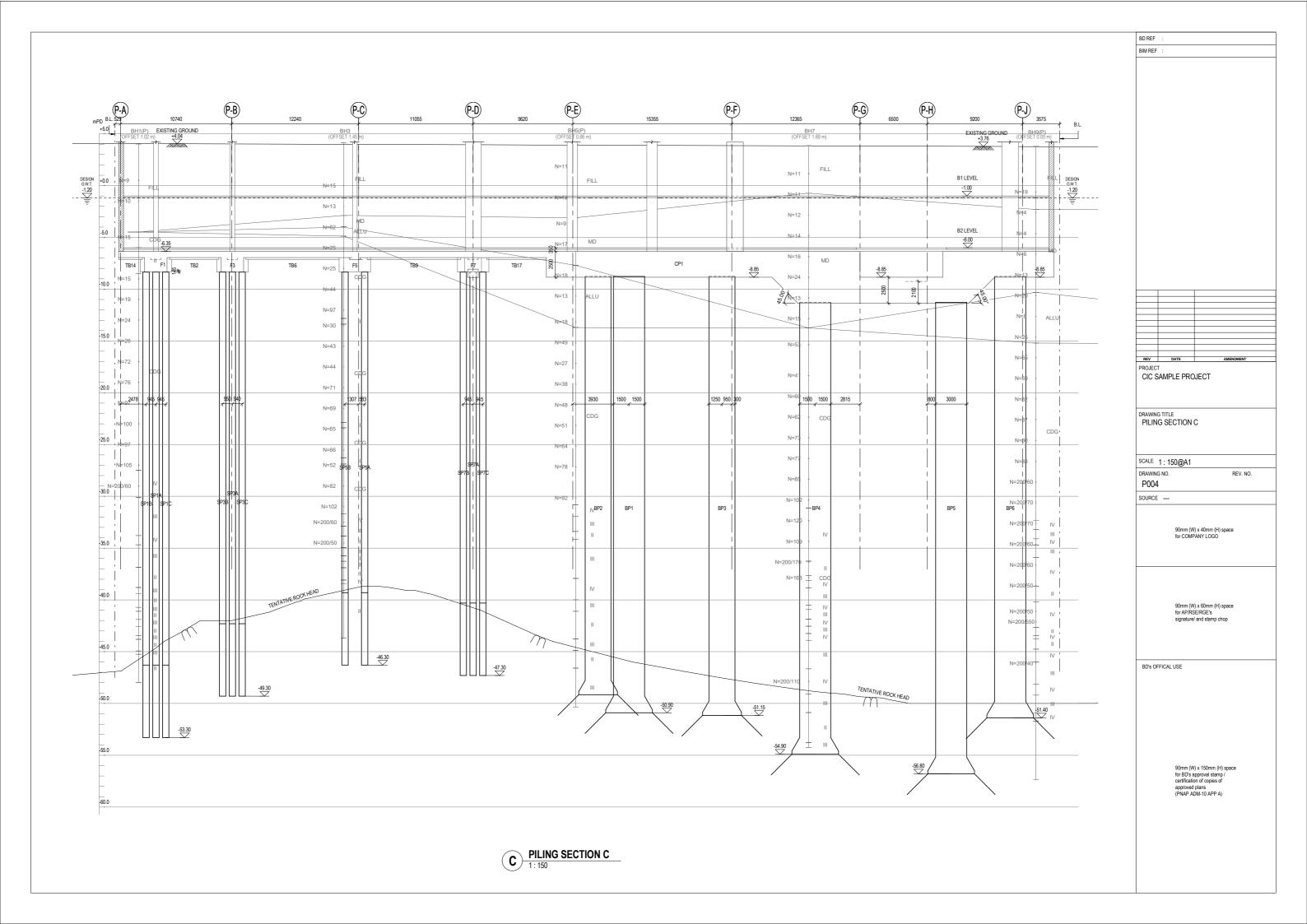


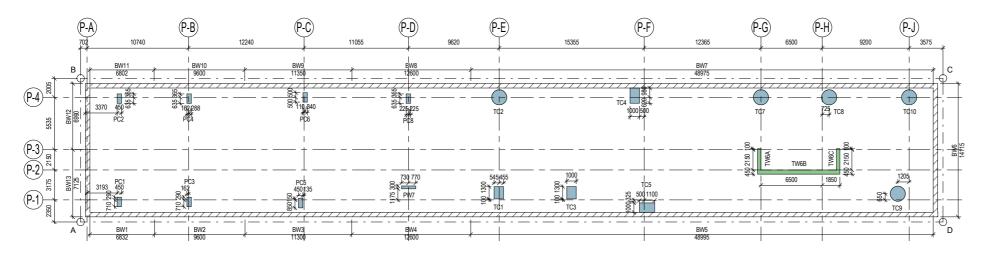




LEGENDS:

BD REF BIM REF BOUNDARY LINE - COLUMN/ WALL (UNDER SEPARATE SUBMISSION) - PILE CAP (UNDER SEPARATE SUBMISSION) PILE CAP MARK SOCKET H-PILE SOCKET H-PILE MARK TIE BEAM (UNDER SEPARATE SUBMISSION) PILE CAP (2000mm THICK) CP1 - PILE CAP MARK (UNDER SEPARATE SUBMISSION) INFERRED ROCK HEAD LEVEL BASEMENT SCREEN WALL (UNDER SEPARATE SUBMISSION) REV DATE AMENDMEN PROJECT CIC SAMPLE PROJECT DRAWING TITLE PILING SECTION A & SECTION B SCALE AS SHOWN@A1 DRAWING NO. REV. NO. P003 SOURCE ----90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)





COLUMN & WALL LAYOUT PLAN 1:200 $(\mathbf{1})$

LOCAL AXIS

Υ

LOCAL AXIS SHOWN ABOVE APPLIES TO COLUMNS & WALLS WITH ANGLE 0°.



LOCAL AXIS SHOWN ABOVE APPLIES TO WALL WITH ANGLE 90°.





LOCAL AXIS SHOWN ABOVE APPLIES TO WALL WITH ANGLE 10°.





LOCAL AXIS SHOWN ABOVE APPLIES TO WALL WITH ANGLE -10°.

DIRECTION OF WIND LOAD CASE

٥°

W

0

 W^{MAX} = ABSOLUTE MAXIMUM OF W_X , W_Y , W_U , W_V

 $\rightarrow W_X$

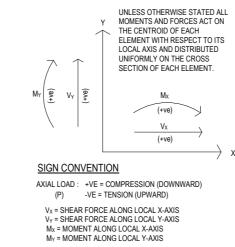
WIND ALONG GLOBAL X

WIND ALONG GLOBAL Y

wind along $\,\,\Theta$

WIND ALONG α

NI



BD REF	:
BIM REF	* :
<u> </u>	
	DATE AMENDMENT
PROJEC	SAMPLE PROJECT
000	
DRAWIN	G TITLE
	JMN / WALL LOADING PLAN
SCALE	AS SHOWN@A1
DRAWIN	G NO. REV. NO.
DRAWIN P005	
P005	5
	5
P005	5
P005	5
P005	5 90mm (W) x 40mm (H) space
P005	5
P005	5 90mm (W) x 40mm (H) space
P005	5 90mm (W) x 40mm (H) space
P005	5 90mm (W) x 40mm (H) space
P005	5 90mm (W) x 40mm (H) space
P005	5 90mm (W) x 40mm (H) space
P005	90mm (W) x 40mm (H) space for COMPANY LOGO
P005	5 90mm (W) x 40mm (H) space
P005	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space
P005	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P005	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P005	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop
P005 SOURCE	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE FFICAL USE 90mm (W) x 150mm (H) space
P005 SOURCE	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
P005 SOURCE	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APIRSEIRGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
P005 SOURCE	5 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P005 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans

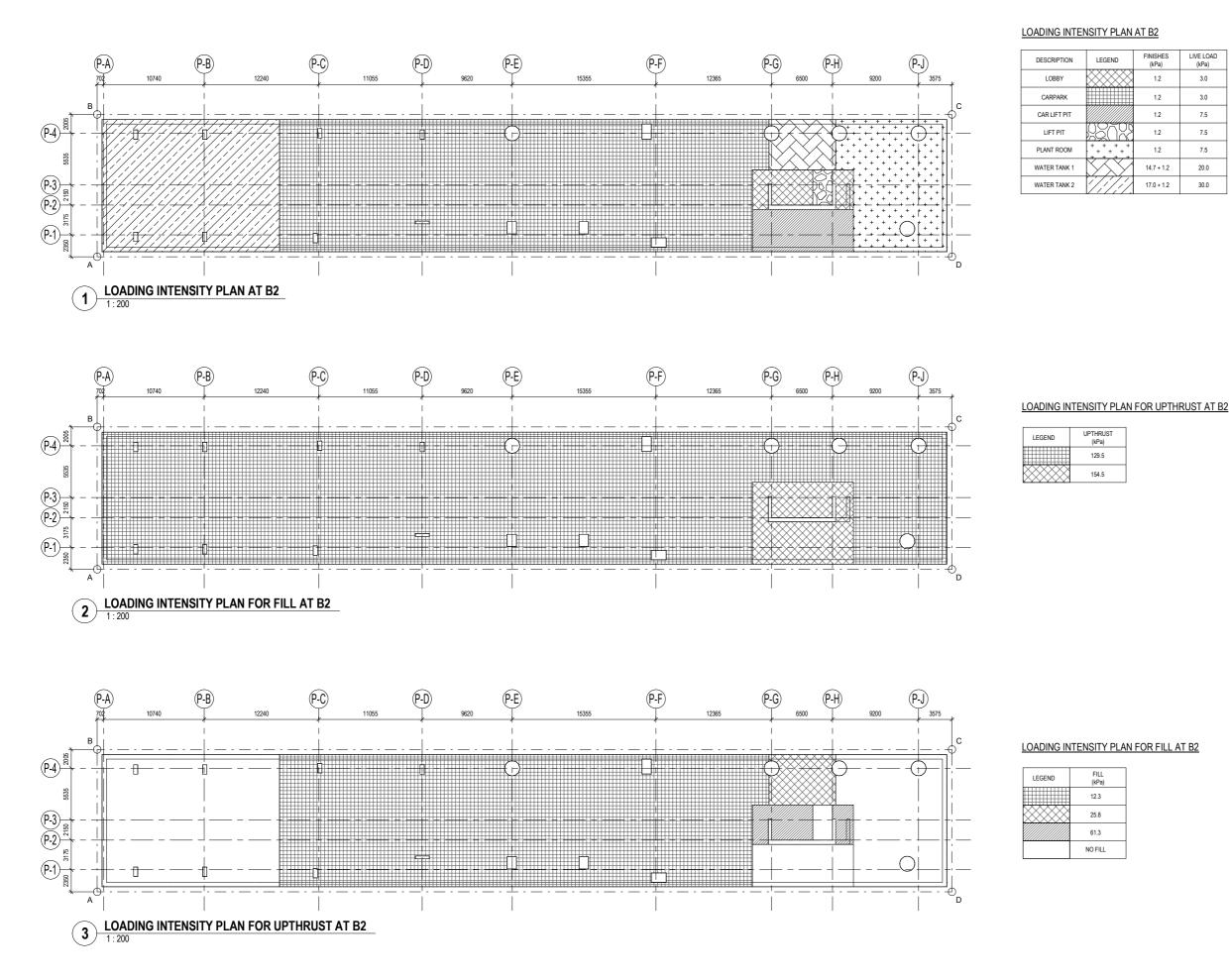
													COLU	MN LOADING	SCHEDULE A	BOVE PILE CA	P (1 OF 2)														
COLUMN MARK	ANGLE									S	DL				D	EAD LOAD (D	L) = Dmin + S[DL				LIVE LO	AD (LL)					DL	+ LL		
COLUMIN MARK	ANGLE	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)
PC1	0	1600	0	0	0	0	0	800	0	0	0	0	0	2400	0	0	0	0	0	700	0	0	0	0	0	3100	0	0	0	0	0
PC2	0	2100	0	0	0	0	0	1400	0	0	0	0	0	3500	0	0	0	0	0	900	0	0	0	0	0	4400	0	0	0	0	0
PC3	0	2400	0	0	0	0	0	1700	0	0	0	0	0	4100	0	0	0	0	0	1000	0	0	0	0	0	5100	0	0	0	0	0
PC4	0	2300	0	0	0	0	0	2000	0	0	0	0	0	4300	0	0	0	0	0	1000	0	0	0	0	0	5300	0	0	0	0	0
PC5	0	2300	0	0	0	0	0	1400	0	0	0	0	0	3700	0	0	0	0	0	900	0	0	0	0	0	4600	0	0	0	0	0
PC6	0	2500	0	0	0	0	0	1400	0	0	0	0	0	3900	0	0	0	0	0	1000	0	0	0	0	0	4900	0	0	0	0	0
PC8	0	3200	0	0	0	0	0	1100	0	0	0	0	0	4300	0	0	0	0	0	1300	0	0	0	0	0	5600	0	0	0	0	0
PW7	0	4200	0	200	0	0	0	1600	0	300	0	0	0	5800	0	500	0	0	0	1800	0	100	0	0	0	7600	0	600	0	0	0
TC1	0	12700	0	0	0	0	0	5600	0	0	0	0	0	18300	0	0	0	0	0	4500	0	0	0	0	0	22800	0	0	0	0	0
TC2	0	19400	0	0	0	0	0	9300	0	0	0	0	0	28700	0	0	0	0	0	6400	0	0	0	0	0	35100	0	0	0	0	0
TC3	0	17200	0	0	0	0	0	7200	0	0	0	0	0	24400	0	0	0	0	0	7100	0	0	0	0	0	31500	0	0	0	0	0
TC4	0	18000	0	0	0	0	0	7400	0	0	0	0	0	25400	0	0	0	0	0	8100	0	0	0	0	0	33500	0	0	0	0	0
TC5	0	24200	0	0	0	0	0	10900	0	0	0	0	0	35100	0	0	0	0	0	9300	0	0	0	0	0	44400	0	0	0	0	0
TC7	0	16200	0	0	0	0	0	7300	0	0	0	0	0	23500	0	0	0	0	0	6100	0	0	0	0	0	29600	0	0	0	0	0
TC8	0	13400	0	0	0	0	0	6700	0	0	0	0	0	20100	0	0	0	0	0	4200	0	0	0	0	0	24300	0	0	0	0	0
TC9	0	13200	0	0	0	0	0	7200	0	0	0	0	0	20400	0	0	0	0	0	4700	0	0	0	0	0	25100	0	0	0	0	0
TC10	0	13000	0	0	0	0	0	7500	0	0	0	0	0	20500	0	0	0	0	0	4300	0	0	0	0	0	24800	0	0	0	0	0
Grand total: 17		167900	0	200	0	0	0	80500	0	300	0	0	0	248400	0	500	0	0	0	63300	0	100	0	0	0	311700	0	600	0	0	0

													COLU	IN LOADING	SCHEDULE AI	BOVE PILE C	AP (2 OF 2)														
COLUMN MARK	ANGLE			1	VX					V	ΥY					V	N					W	N					W	MAX		
COLUMIN MARK	ANGLE	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
PC1	0	-200	10	30	0	0	0	-1000	10	300	0	0	0	-400	10	80	0	0	0	-700	-10	230	0	0	0	1000	10	300	0	0	0
PC2	0	100	10	30	0	0	0	1000	-10	290	0	0	0	200	10	80	0	0	0	800	-10	230	0	0	0	1000	10	290	0	0	0
PC3	0	-200	10	30	0	0	0	-1600	-10	390	0	0	0	-500	10	90	0	0	0	-1200	-10	300	0	0	0	1600	10	390	0	0	0
PC4	0	200	10	30	0	0	0	1600	10	370	0	0	0	400	10	90	0	0	0	1300	-10	290	0	0	0	1600	10	370	0	0	0
PC5	0	-200	10	30	0	0	0	-1800	10	380	0	0	0	-500	10	90	0	0	0	-1400	-10	300	0	0	0	1800	10	380	0	0	0
PC6	0	100	10	20	0	0	0	1500	10	350	0	0	0	300	10	80	0	0	0	1200	-10	280	0	0	0	1500	10	350	0	0	0
PC8	0	-200	10	10	0	0	0	1300	-10	200	0	0	0	-200	10	40	0	0	0	1300	-10	170	0	0	0	1300	10	200	0	0	0
PW7	0	-400	270	10	0	1200	0	-1100	-80	10	0	-400	0	-700	450	10	0	2000	0	-600	-330	10	0	-1400	0	1100	450	10	0	2000	0
TC1	0	-1300	10	20	0	0	0	-11400	-30	510	0	0	0	-3800	-10	90	0	0	0	-8300	-20	420	0	0	0	11400	30	510	0	0	0
TC2	0	-500	50	20	0	0	0	15200	-20	540	0	0	0	1400	80	90	0	0	0	13100	-60	450	0	0	0	15200	80	540	0	0	0
TC3	0	-500	-10	-10	0	0	0	-13100	-10	340	0	0	0	-2700	-10	40	0	0	0	-10400	10	290	0	0	0	13100	10	340	0	0	0
TC4	0	-1400	-10	-20	0	0	0	-13000	-50	350	0	0	0	-4100	-20	20	0	0	0	-9500	-40	310	0	0	0	13000	50	350	0	0	0
TC5	0	-600	50	10	0	0	0	20600	-20	400	0	0	0	2100	80	60	0	0	0	17600	-60	330	0	0	0	20600	80	400	0	0	0
TC7	0	-1500	50	-10	0	0	0	19000	20	-490	0	0	0	300	90	-70	0	0	0	17100	-30	-400	0	0	0	19000	90	490	0	0	0
TC8	0	600	60	20	0	0	0	17000	30	-470	0	0	0	3400	90	-50	0	0	0	13500	-40	-410	0	0	0	17000	90	470	0	0	0
TC9	0	3100	-40	10	0	0	0	-17300	230	330	0	0	0	2700	-30	50	0	0	0	-17100	220	280	0	0	0	17300	230	330	0	0	0
TC10	0	2100	40	-10	0	0	0	13300	60	360	0	0	0	5400	70	40	0	0	0	9100	10	310	0	0	0	13300	70	360	0	0	0
Grand total: 17	0	-800	540	220	0	1200	0	30200	140	4160	0	-400	0	3300	860	830	0	2000	0	25800	-410	3390	0	-1400	0	150800	1250	6080	0	2000	0

													WAL	L LOADING S	SCHEDULE AB	OVE PILE CAP	(1 OF 2)														
WALL MARK	ANGLE			MIN DEAD L	OAD (Dmin)	_				SI	DL	_			[DEAD LOAD (DI	L) = Dmin + Sl	DL				LIVE LO	AD (LL)					DL	+ LL		
	ANGLE	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)	P (kN)	Mx (kNm)	My (kNm)	Vx (kN)	Vy (kN)	Mz (kNm)
BW1	0	2300	0	-900	0	0	0	700	0	-500	0	0	0	3000	0	-1400	0	0	0	400	0	-200	0	0	0	3400	0	-1600	0	0	0
BW2	0	3200	0	-600	0	0	0	1100	0	-300	0	0	0	4300	0	-900	0	0	0	700	0	-100	0	0	0	5000	0	-1000	0	0	0
BW3	0	3200	0	-600	0	0	0	900	0	-300	0	0	0	4100	0	-900	0	0	0	600	0	-100	0	0	0	4700	0	-1000	0	0	0
BW4	0	2600	0	-300	0	0	0	400	0	-100	0	0	0	3000	0	-400	0	0	0	400	0	-100	0	0	0	3400	0	-500	0	0	0
BW5	0	11300	0	-2500	0	0	0	2200	0	2600	0	0	0	13500	0	100	0	0	0	4000	0	-3300	0	0	0	17500	0	-3200	0	0	0
BW6	90	4000	0	-2200	0	0	0	1000	0	-800	0	0	0	5000	0	-3000	0	0	0	1100	0	-600	0	0	0	6100	0	-3600	0	0	0
BW7	0	19600	0	-11400	0	0	0	5800	0	1800	0	0	0	25400	0	-9600	0	0	0	6000	0	-14700	0	0	0	31400	0	-24300	0	0	0
BW8	0	3400	0	500	0	0	0	800	0	300	0	0	0	4200	0	800	0	0	0	600	0	100	0	0	0	4800	0	900	0	0	0
BW9	0	2000	0	-200	0	0	0	200	0	-100	0	0	0	2200	0	-300	0	0	0	200	0	-200	0	0	0	2400	0	-500	0	0	0
BW10	0	2000	0	-100	0	0	0	400	0	-100	0	0	0	2400	0	-200	0	0	0	100	0	-200	0	0	0	2500	0	-400	0	0	0
BW11	0	1700	0	-100	0	0	0	400	0	100	0	0	0	2100	0	0	0	0	0	200	0	-100	0	0	0	2300	0	-100	0	0	0
BW12	90	1600	0	-400	0	0	0	300	0	-200	0	0	0	1900	0	-600	0	0	0	200	0	-100	0	0	0	2100	0	-700	0	0	0
BW13	90	1500	0	-400	0	0	0	400	0	-200	0	0	0	1900	0	-600	0	0	0	200	0	-100	0	0	0	2100	0	-700	0	0	0
TW6A	90	4700	0	200	0	0	0	2000	0	200	0	0	0	6700	0	400	0	0	0	2100	0	-100	0	0	0	8800	0	300	0	0	0
TW6B	0	24200	0	1200	0	0	0	10400	0	200	0	0	0	34600	0	1400	0	0	0	9600	0	1000	0	0	0	44200	0	2400	0	0	0
TW6C	90	4600	0	300	0	0	0	2100	0	100	0	0	0	6700	0	400	0	0	0	1900	0	-100	0	0	0	8600	0	300	0	0	0
Grand total: 16		91900	0	-17500	0	0	0	29100	0	2700	0	0	0	121000	0	-14800	0	0	0	28300	0	-18900	0	0	0	149300	0	-33700	0	0	0

													WAL	L LOADING S	SCHEDULE AE	BOVE PILE CAP	2 (2 OF 2)														
WALL MARK	ANGLE		WX				V	ŶŶ				WX				V	N					V	W					W	MAX		
WALL WARK	ANGLE	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)	P (kN)	Vx (kN)	Vy (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
TW6A	90	-2600	-280	-10	0	-1100	0	8300	4880	-10	0	25500	0	-3300	200	-10	0	1800	0	9400	4330	-10	0	2220	0	9400	4880	10	0	25500	0
TW6B	0	900	3170	10	0	27700	0	-47600	-160	-10	0	600	0	-5300	5340	-10	0	46800	0	-40200	-3190	-10	0	-26100	0	47600	5340	10	0	46800	0
TW6C	90	2400	120	-10	0	300	0	9100	5150	10	0	26700	0	5300	910	10	0	4100	0	5300	4160	10	0	21900	0	9100	5150	10	0	26700	0
Grand total: 3		700	3010	-10	0	26900	0	-30200	9870	-10	0	52800	0	-3300	6450	-10	0	52700	0	-25500	5300	-10	0	-1980	0	66100	15370	30	0	99000	0

PROJECT
PROJECT
DWN@A1
REV. NO.
0mm (W) x 40mm (H) space r COMPANY LOGO
0mm (W) x 60mm (H) space
r AP/RSE/RGE's
gnature/ and stamp chop
_
E
)mm (W) x 150mm (H) space r BDc aneroval stamp (
r BD's approval stamp / ertification of copies of
r BD's approval stamp / ertification of copies of oproved plans
r BD's approval stamp / ertification of copies of
r BD's approval stamp / ertification of copies of oproved plans
r BD's approval stamp / ertification of copies of oproved plans
r BD's approval stamp / ertification of copies of oproved plans
r BD's approval stamp / ertification of copies of oproved plans
r BD's approval stamp / ertification of copies of oproved plans
r BD's approval stamp / ertification of copies of oproved plans



	FINISHES (kPa)	LIVE LOAD (kPa)
×	1.2	3.0
	1.2	3.0
	1.2	7.5
ý	1.2	7.5
	1.2	7.5
~	14.7 + 1.2	20.0
	17.0 + 1.2	30.0

DIM DEE		
BIM REF :		
REV	DATE	AMENDMENT
PROJECT		
CIC SAME	PLE PRC	JECT
SCALE AS	SHOWN	@A1
		@A1 REV. NO.
DRAWING NO. P007		
DRAWING NO. P007		
DRAWING NO. P007	90mm (W	
DRAWING NO. P007	90mm (W for COMF 90mm (W for AP/RS	REV. NO. /) x 40mm (H) space PANY LOGO
SCALE AS 5 DRAWING NO. P007 SOURCE	90mm (W for COMF 90mm (W for AP/Rs signature	REV. NO. // x 40mm (H) space ANY LOGO // x 60mm (H) space SERCE's

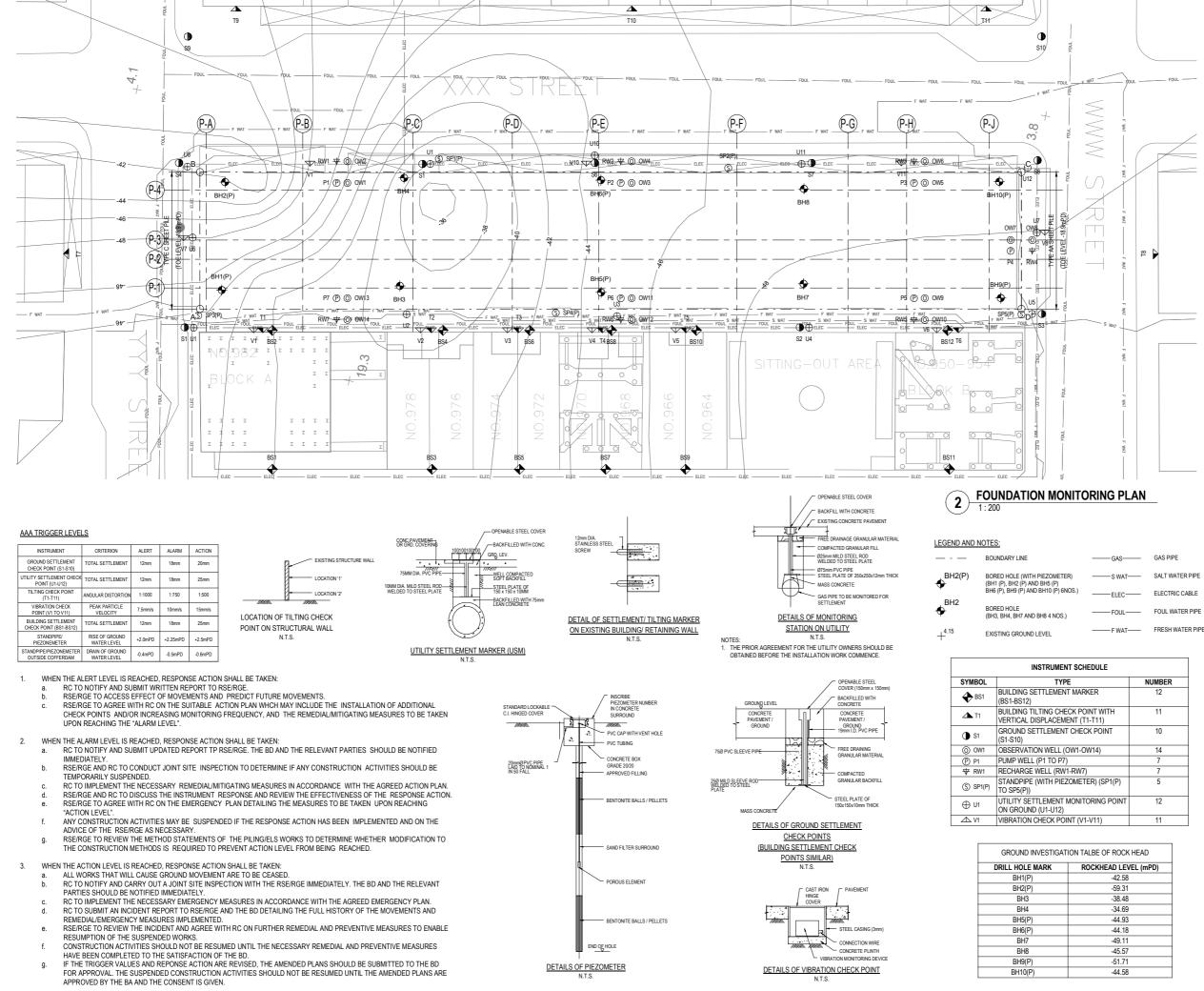
										BORED PILE LC	ADING SCHEDULE	E (1 OF 2)										
						(X)	(AA)	(W)	(Z)	(AB)=(AA)-(Z)	(Y)	(a)	(b)	(c)=(a)+(b)	(d)	(b)+(d)	(e)	(f)=(b)+(d)+(e)	(h)	(i)	(j)	(k)
BORED PILE	BORED PILE CAP THICKNESS (FOR	BORED PILE		ROCK SOCKET	PILE BASE	BELLOUT DEPTH		TENTATIVE ROCKHEAD	TENTATIVE FOUNDING	TENTATIVE PILE LENGTH	EFFECTIVE ROCK SOCKET	SELF-WEIGHT OF BORED PILE	Dmin (total)	Dmin + SWP	SDL(total)	TOTAL DEAD LOAD (DL) = Dmin	LIVE LOAD (LL)	DL + SDL + LL	Wmax (total)	TOTAL UPLIFT FORCE DUE TO	STEPPIN	LOAD DUE TO IG EFFECT
MARK	REFERENCE ONLY)	DIAMETER	SHAFT DIAMETER	DIAMETER	DIAMETER	DELECCT DEI III		LEVEL	LEVEL	LENGTH	LENGTH	(SUBMERGED) (SWP)	Dinin(total)	Dian · Oin	ODE((OBI)	+ SDL	(total)	DE TODE TEE	minax (total)	GROUND WATER (U)		WITH WIND
	(m)	(m)	(m)	(m)	(m)	(m)	(mPD)	(mPD)	(mPD)	(m)	(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
BP1	2.5	3.0	2.80	2.80	4.5	1.50	-8.775	-45.5	-50.90	42.125	3.6	3820	43000	46820	14700	57700	13700	71400	18500	-20400	80	99
BP2	2.5	2.5	2.35	2.35	3.75	1.25	-8.775	-44.5	-49.15	40.375	3.1	2580	33700	36280	14100	47800	9100	56900	18000	-9600	0	0
BP3	2.5	2.5	2.35	2.35	3.75	1.25	-8.775	-46.5	-51.15	42.375	3.1	2700	37500	40200	13500	51000	13000	64000	14700	-15500	0	0
BP4	5.0	3.0	2.80	2.80	4.5	1.50	-11.275	-47.0	-54.90	43.625	3.6	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0
BP5	5.0	3.0	2.80	2.80	4.5	1.50	-11.275	-50.0	-56.80	45.525	5.0	4120	49000	53120	18100	67100	15900	83000	24900	-25300	49	61
BP6	2.5	3.0	2.80	2.80	4.5	1.50	-8.775	-46.0	-51.40	42.625	3.6	3860	38400	42260	17700	56100	10500	66600	24600	-12800	0	0

										BORE	PILE LOADING SC	CHEDULE (2 OF 2)											
	(f)	(f)+(h)	(f)+(a)+(j)	(f)+(h)+(a)+(k)	(l)=(b)+(i)	(m)=(b)-(h)+(i)	(n)=(b)-1.5*(h)+1.5 *(i)				(0)	(p)=(o)*1.25	(q)	(r)=(q)*1.25	(r1)	(p1)	(a1)=Min of(((r1),(p1)/3))+(a)	(u1)=Min of(((r1)*2,(p1))+(a)	(u)=(o)+(q)	(v)=(u)*1.25	(b)+0.9*(u1)-1.5 *(h) +1.5*(i)>0	(b)+(a1)-(h)+(i)>0	
		Max. Pi	E LOAD			MIN. PILE LOAD					PILE BARING (COMPRI		ROCK FRICTION		ROCK FRICTION	ROCK/SOIL	UPLIFT RE	SISTANCE	BORED PILE BEA (COMPRE		STABILITY	(CHECK	
BORED PILE MARK	DL + SDL + LL	DL + SDL + LL + Wmax	DL + SDL + LL + Stepping Load	DL + SDL + LL + Wmax + Stepping Load	Dmin + SWP -U	Dmin + SWP - Wmax - U	Dmin + SWP - 1.5Wmax - 1.5U	VERTIC	AL BARS	LINKS	WITHOUT WIND	WITH WIND	WITHOUT WIND	WITH WIND	(TENSION)	MASS (SUBMERGED)	ALLOWABLE	ULTIMATE	WITHOUT WIND	WITH WIND	Dmin + 0.9*Ru -1.5Wmax - 1.5U	Dmin + Ra - Wmax - U	REFERENCE BORED HOLE
	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	LAYER 1	LAYER 2		(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	
BP1	71400	89900	75300	93819	26420	7920	-11530	54 T40	50 T40	T16 / 300 (2 rings)	79530	99413	17250	21563	11090	21101	10854	24921	96780	120975	7079	14954	BH5
BP2	56900	74900	59480	77480	26680	8680	-5120	44 T50	40 T50	T16 / 200 (1 rings)	55230	69038	12150	15188	8020	14707	7482	17287	67380	84225	7858	13582	BH6
BP3	64000	78700	66700	81400	24700	10000	-5100	44 T50	40 T50	T16 / 200 (1 rings)	55230	69038	12150	15188	8020	15477	7859	18177	67380	84225	8559	15159	BH8
BP4	78300	94100	82250	98050	28150	12350	-6250	54 T40	50 T40	T16 / 300 (2 rings)	79530	99413	17250	21563	11090	21899	11250	25849	96780	120975	13064	19650	BH8
BP5	83000	107900	87169	112081	27820	2920	-22180	54 T40	50 T40	T16 / 300 (2 rings)	79530	99413	17250	21563	15400	32120	14827	34920	96780	120975	5128	13627	BH9
BP6	66600	91200	70460	95060	29460	4860	-13840	54 T40	50 T40	T16 / 300 (2 rings)	79530	99413	17250	21563	11090	21367	10982	25227	96780	120975	5004	11982	BH10

											SOCKET H-PI	LE LOADING SCHE	DULE (1 OF 2)											
		(A)	(A)		(AA)	(w)	(Z)	(AB)		(Y)	(P1)	(P2)	(P3) = (P1) + (P2)	(a)	(P4) = (P3) + (a)	(b)	(d)	(b) + (d)	(e)	(f) = (b) + (d) + (e)	(h)	(i)	(i)	(k) = (j) *
PILE MARK	PILE CAP THICKNESS (FOR REFERENCE	PIPE EFFECTIVE SHAFT	ROCK SOCKET DIAMETER	PILE CAP BASE LEVEL	CUT-OFF LEVEL		TANTATIVE FOUNDING	TENTATIVE PILE LENGTH	TENTATIVE PILE LENGTH ABOVE	EFFECTIVE ROCK SOCKET	ROCK MASS (SUBMEGED)	SOIL MASS SURROUNDING PILE	ROCK/SOIL MASS (SUBMERGED W/O PILE	SELF-WEIGHT (SUBMERGED)	ROCK / SOIL MASS (SUBMERGED) W/ PILE SELF		SDL PER PILE	TOTAL DEAD LOAD (DL) = Dmin	LIVE LOAD (LL)	DL + SDL + LL	Wmax PER PILE	UPLIFT FORCE PER PILE (AT THE BOTTOM OF		LOAD DUE
FILE WARK	ONLY)	DIAMETER	DIVWETER			LEVEL	LEVEL	LENGIN	RH	LENGTH	(ODDMLOLD)	(SUBMERGED)	SELF-WEIGHT	(SWP)	WEIGHT	r erer iee (omin)	LICTILL	+ SDL				CAP) (U)	WITHOUT WIND	WITH W
	(m)	(m)	(mPD)	(mPD)	(mPD)	(m)	(m)	(m)	(m)	(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
SP1A	2.0	0.61	0.61	-8.35	-8.275	-46.3	-53.3	45.025	38.025	7	200	5112	5312	230	5542	2197	1233	3430	1067	4497	333	-2500	441	551
SP1B	2.0	0.61	0.61	-8.35	-8.275	-46.3	-53.3	45.025	38.025	7	200	5112	5312	230	5542	2197	1233	3430	1067	4497	333	-2500	441	551
SP1C	2.0	0.61	0.61	-8.35	-8.275	-46.3	-53.3	45.025	38.025	7	200	5112	5312	230	5542	2197	1233	3430	1067	4497	333	-2500	441	551
SP2A	2.0	0.61	0.61	-8.35	-8.275	-58.3	-65.3	57.025	50.025	7	200	6704	6904	290	7194	2297	1433	3730	1167	4897	333	-2933	190	238
SP2B	2.0	0.61	0.61	-8.35	-8.275	-58.3	-65.3	57.025	50.025	7	200	6704	6904	290	7194	2297	1433	3730	1167	4897	333	-2933	190	238
SP2C	2.0	0.61	0.61	-8.35	-8.275	-58.3	-65.3	57.025	50.025	7	200	6704	6904	290	7194	2297	1433	3730	1167	4897	333	-2933	190	238
SP3A	2.0	0.61	0.61	-8.35	-8.275	-42.3	-49.3	41.025	34.025	7	200	5096	5296	210	5506	2397	1600	3997	1200	5197	533	-3000	626	783
SP3B	2.0	0.61	0.61	-8.35	-8.275	-42.3	-49.3	41.025	34.025	7	200	5096	5296	210	5506	2397	1600	3997	1200	5197	533	-3000	626	783
SP3C	2.0	0.61	0.61	-8.35	-8.275	-42.3	-49.3	41.025	34.025	7	200	5096	5296	210	5506	2397	1600	3997	1200	5197	533	-3000	626	783
SP4A	2.0	0.61	0.61	-8.35	-8.275	-52.8	-59.8	51.525	44.525	7	200	6638	6838	260	7098	1997	1567	3563	1100	4663	533	-3467	96	120
SP4B	2.0	0.61	0.61	-8.35	-8.275	-52.8	-59.8	51.525	44.525	7	200	6638	6838	260	7098	1997	1567	3563	1100	4663	533	-3467	96	120
SP4C	2.0	0.61	0.61	-8.35	-8.275	-52.8	-59.8	51.525	44.525	7	200	6638	6838	260	7098	1997	1567	3563	1100	4663	533	-3467	96	120
SP5A	2.0	0.61	0.61	-8.35	-8.275	-39.3	-46.3	38.025	31.025	7	200	9395	9595	190	9785	2180	1500	3680	800	4480	900	-3300	107	134
SP5B	2.0	0.61	0.61	-8.35	-8.275	-39.3	-46.3	38.025	31.025	7	200	9395	9595	190	9785	2180	1500	3680	800	4480	9000	-3300	107	134
SP6A	2.0	0.61	0.61	-8.35	-8.275	-38.3	-45.3	37.025	30.025	7	200	9106	9306	190	9496	2920	1250	4170	600	4770	300	-4200	0	0
SP6B	2.0	0.61	0.61	-8.35	-8.275	-38.3	-45.3	37.025	30.025	7	200	9106	9306	190	9496	2920	1250	4170	600	4770	300	-4200	0	0
SP7A	2.0	0.61	0.61	-8.35	-8.275	-40.3	-47.3	39.025	32.025	7	200	5436	5636	200	5836	2963	1133	4097	833	4930	367	-4367	54	68
SP7B	2.0	0.61	0.61	-8.35	-8.275	-40.3	-47.3	39.025	32.025	7	200	5436	5636	200	5836	2963	1133	4097	833	4930	367	-4367	54	68
SP7C	2.0	0.61	0.61	-8.35	-8.275	-40.3	-47.3	39.025	32.025	7	200	5436	5636	200	5836	2963	1133	4097	833	4930	367	-4367	54	68
SP8A	2.0	0.61	0.61	-8.35	-8.275	-39.3	-46.3	38.025	31.025	7	200	5271	5471	190	5661	2763	967	3730	700	4430	433	-3333	0	0
SP8B	2.0	0.61	0.61	-8.35	-8.275	-39.3	-46.3	38.025	31.025	7	200	5271	5471	190	5661	2763	967	3730	700	4430	433	-3333	0	0
SP8C	2.0	0.61	0.61	-8.35	-8.275	-39.3	-46.3	38.025	31.025	7	200	5271	5471	190	5661	2763	967	3730	700	4430	433	-3333	0	0

							SOCKET H-PI	LE LOADING SCHE	DULE (2 OF 2)							
	(f)	(f)+(h)	(f)+(a)+(j)	(f)+(h)+(a)+(k)	(l)=(b)+(a)+(i)	(m)=(b)-(h)+(i)	(n)=(b)-1.5*(h)+1.5 *(i)	(0)	(p)=(o)*1.25	(r1)	(p1) = (P3)	(a1)=Min of(((r1),(p1)/3))+(a)	(u1)=Min of(((r1)*2,(p1))+(a)	(b)+0.9*(u1)-1.5 *(h) +1.5*(i)>0	(b)+(a1)-(h)+(i)>0	
		Max. Pi	LE LOAD			MIN. PILE LOAD		PILE BARING (COMPRI		ROCK FRICTION	ROCK/SOIL	UPLIFT RI	ESISTANCE	STABILIT	Y CHECK	
BORED PILE MARK	DL + SDL + LL	DL + SDL + LL + Wmax	DL + SDL + LL + SWP + Stepping Load	DL + SDL + LL + Wmax + SWP + Stepping Load	Dmin + SWP -U	Dmin + SWP - Wmax - U	Dmin + SWP - 1.5Wmax - 1.5U	WITHOUT WIND	WITH WIND	(TENSION)	MASS (SUBMERGED)	ALLOWABLE	ULTIMATE	Dmin + 0.9*Ru -1.5Wmax - 1.5U	Dmin + Ra - Wmax - U	REFERENCE BORED HOLE
	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(m)	(kN)	(kN)	(kN)	Ra (kN)	Ru (kN)	(kN)	(kN)	
SP1A	4497	4830	5168	5611	-73	-407	-1823	6106	9159	3053	5312	2001	5542	2934	1364	BH1
SP1B	4497	4830	5168	5611	-73	-407	-1823	6106	9159	3053	5312	2001	5542	2934	1364	BH1
SP1C	4497	4830	5168	5611	-73	-407	-1823	6106	9159	3053	5312	2001	5542	2934	1364	BH1
SP2A	4897	5230	5377	5730	-347	-680	-2313	6106	9159	3053	6904	2591	6396	3153	1621	BH2
SP2B	4897	5230	5377	5730	-347	-680	-2313	6106	9159	3053	6904	2591	6396	3153	1621	BH2
SP2C	4897	5230	5377	5730	-347	-680	-2313	6106	9159	3053	6904	2591	6396	3153	1621	BH2
SP3A	5197	5730	6033	6722	-393	-927	-2693	6106	9159	3053	5296	1975	5506	2052	839	BH1
SP3B	5197	5730	6033	6722	-393	-927	-2693	6106	9159	3053	5296	1975	5506	2052	839	BH1
SP3C	5197	5730	6033	6722	-393	-927	-2693	6106	9159	3053	5296	1975	5506	2052	839	BH1
SP4A	4663	5197	5019	5565	-1210	-1743	-3743	6106	9159	3053	6838	2539	6366	1726	536	BH2
SP4B	4663	5197	5019	5565	-1210	-1743	-3743	6106	9159	3053	6838	2539	6366	1726	536	BH2
SP4C	4663	5197	5019	5565	-1210	-1743	-3743	6106	9159	3053	6838	2539	6366	1726	536	BH2
SP5A	4480	5380	4777	5704	-930	-1830	-3930	6106	9159	3053	9595	3243	6296	1546	1223	BH3
SP5B	4480	13480	4777	13804	-930	-9930	-16080	6106	9159	3053	9595	3243	6296	-10604	-6877	BH3
SP6A	4770	5070	4960	5260	-1090	-1390	-3640	6106	9159	3053	9306	3243	6296	1836	1663	BH4
SP6B	4770	5070	4960	5260	-1090	-1390	-3640	6106	9159	3053	9306	3243	6296	1836	1663	BH4
SP7A	4930	5297	5184	5564	-1203	-1570	-3937	6106	9159	3053	5636	2079	5836	1116	309	BH5
SP7B	4930	5297	5184	5564	-1203	-1570	-3937	6106	9159	3053	5636	2079	5836	1116	309	BH5
SP7C	4930	5297	5184	5564	-1203	-1570	-3937	6106	9159	3053	5636	2079	5836	1116	309	BH5
SP8A	4430	4863	4620	5053	-380	-813	-2697	6106	9159	3053	5471	2014	5661	2208	1010	BH6
SP8B	4430	4863	4620	5053	-380	-813	-2697	6106	9159	3053	5471	2014	5661	2208	1010	BH6
SP8C	4430	4863	4620	5053	-380	-813	-2697	6106	9159	3053	5471	2014	5661	2208	1010	BH6

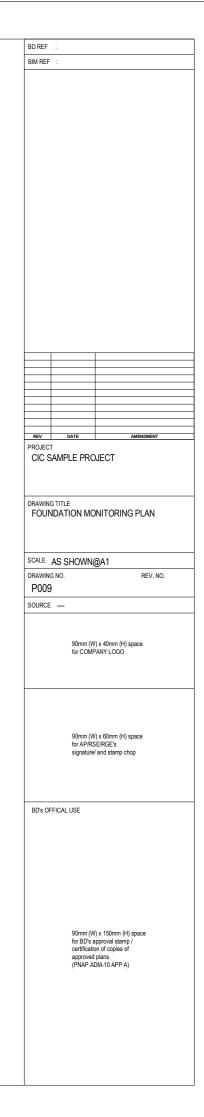
RENCE
HOLE
H5
-16
-18
-18 -19
10
(k) - (i) * 1 2°
(k) = (j) * 1.25 L LOAD DUE TO
NG EFFECT
O WITH WIND
(kN)
551
551
238
238
238 783
783
783
120
120
120 134
120 134 134
120 134 134 0
120 134 134 0 0
120 134 134 0
120 134 134 0 0 68 68 68 68
120 134 134 0 68 68 68 68 0
120 134 134 0 0 68 68 68 68
120 134 134 0 0 68 68 68 0 0 0
120 134 134 0 0 68 68 68 0 0 0
120 134 134 0 0 68 68 68 0 0 0
120 134 134 0 0 68 68 68 0 0 0
120 134 0 0 68 68 68 68 0 0
120 134 134 0 0 68 68 68 0 0 0
120 134 134 0 0 68 68 68 68 68 0 0
120 134 134 0 0 68 68 68 68 68 0 0
120 134 134 0 68 68 68 0 0
120 134 134 0 68 68 68 0 0
120 134 134 0 0 68 68 68 68 68 0 0
120 134 134 0 0 68 68 68 0 0 0
120 134 134 0 0 68 68 68 0 0 0
120 134 0 0 68 68 68 68 68 0 0
120 134 0 0 68 68 68 68 68 0 0
120 134 0 0 68 68 68 68 68 0 0



GAS	C
— S WAT—	S
ELEC-	E
FOUL	F
F WAT	F

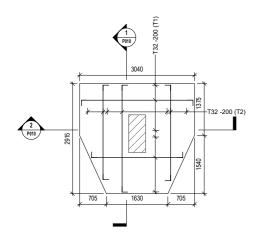
LE	
	NUMBER
	12
NITH 1)	11
DINT	10
	14
	7
	7
SP1(P)	5
IG POINT	12
)	11

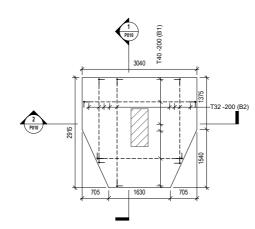
OF ROCK HEAD
HEAD LEVEL (mPD)
-42.58
-59.31
-38.48
-34.69
-44.93
-44.18
-49.11
-45.57
-51.71
-44.58



<u>LEGEND</u>

Ø

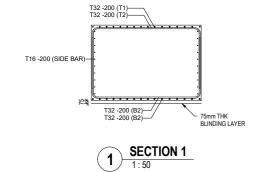


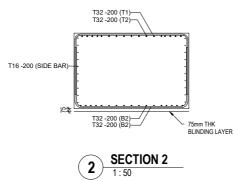






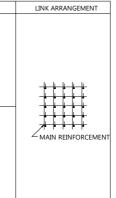


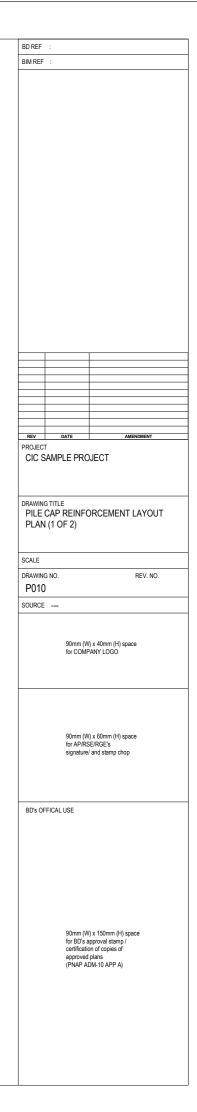


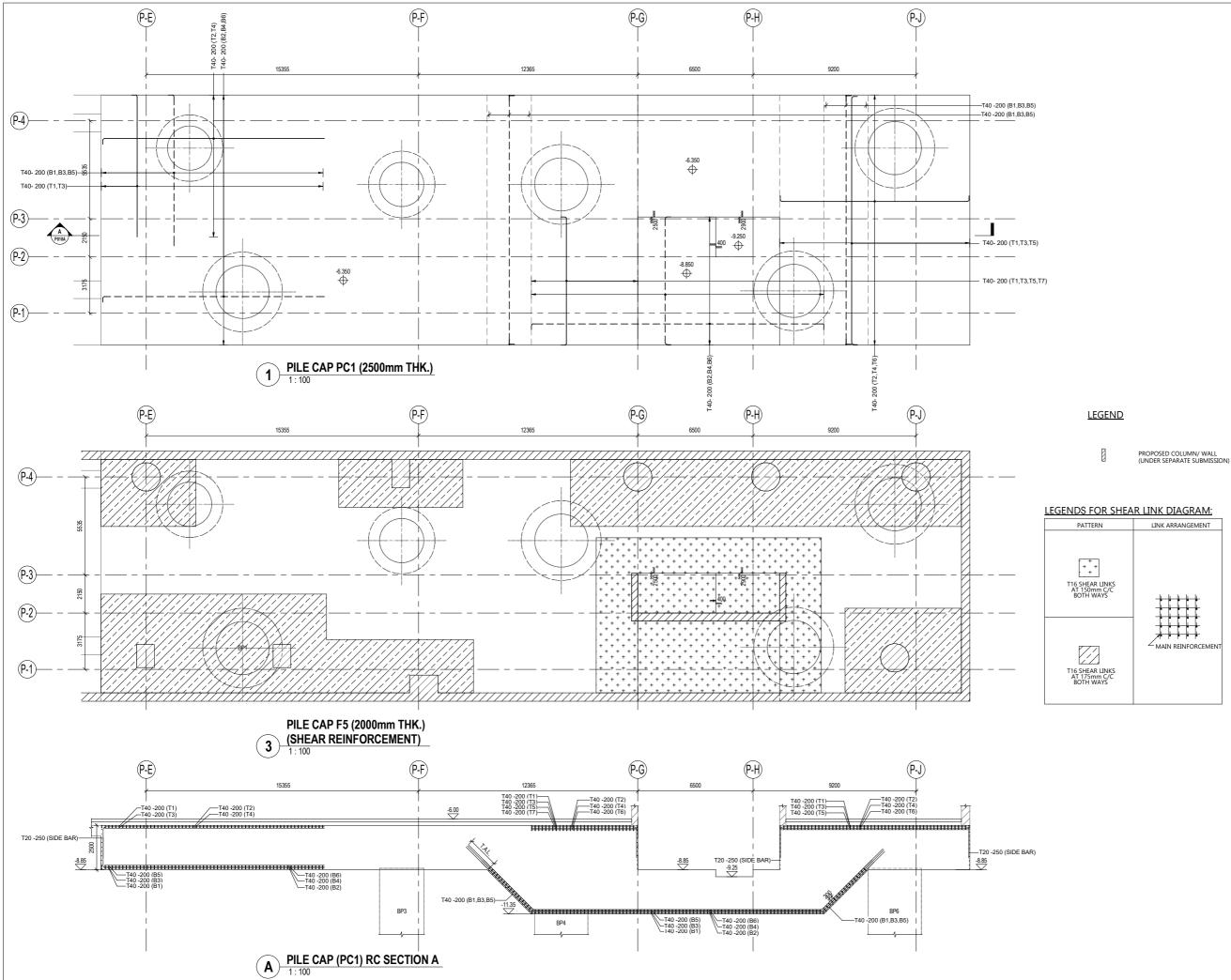


PROPOSED COLUMN/ WALL (UNDER SEPARATE SUBMISSION)

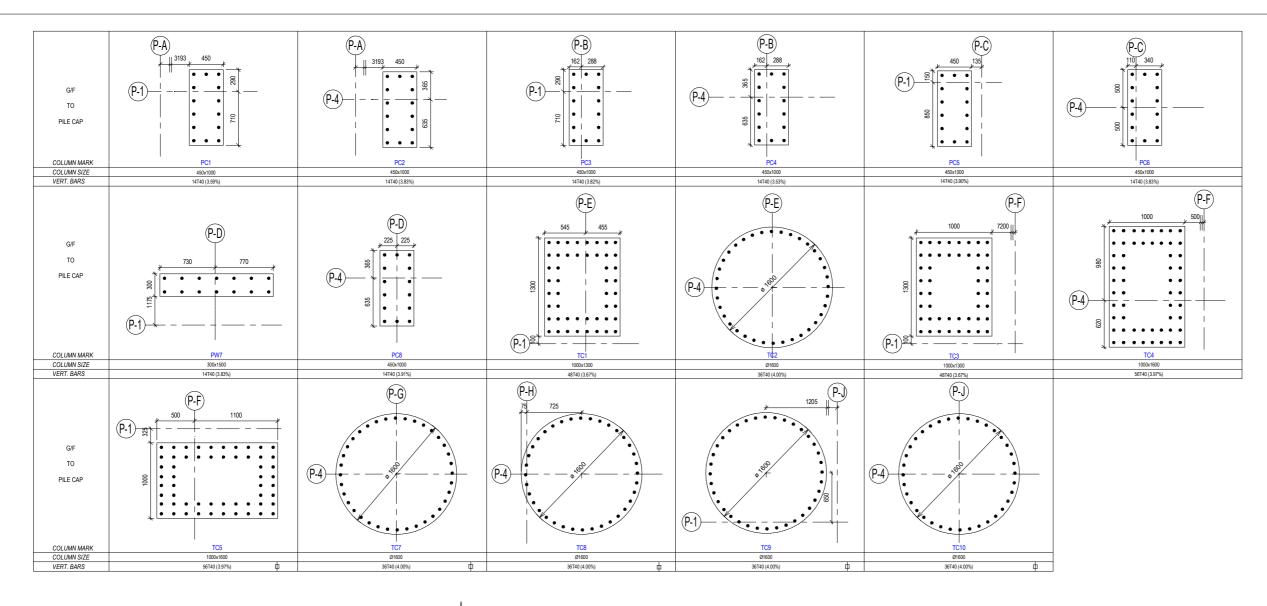
LEGENDS FOR SHEAR LINK DIAGRAM:







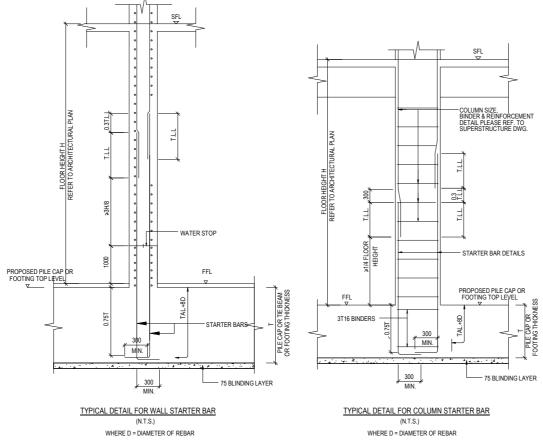
BD REF BIM REF REV DATE PROJECT CIC SAMPLE PROJECT DRAWING TITLE PILE CAP REINFORCEMENT LAYOUT PLAN (2 OF 2) SCALE 1:100@A1 DRAWING NO. REV. NO. P010A SOURCE ----90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)



	WALL STA	RTER BAR SCHED	ULE	
WALL MARK	FLOOR	THICKNESS (mm)	STARTER BAR	STEEL RATIO (%)
TW6A	PILE CAP TO B1/F	350	T40-210	2.7
TW6B	PILE CAP TO B1/F	450	T40-130	2.9
TW6C	PILE CAP TO B1/F	350	T40-210	2.7

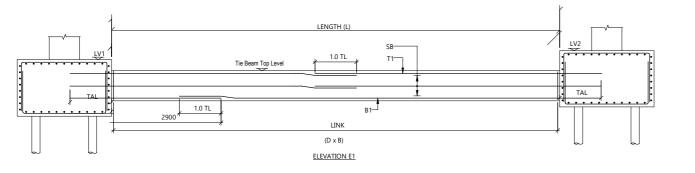
LEGEND:

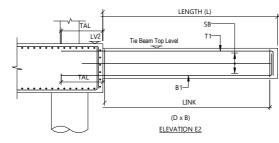
MECHANICAL COUPLER



BIM REF	:	
REV	DATE	AMENDMENT
PROJEC		PartitionEtti
CIC S	SAMPLE PRO	DJECT
		ALL STARTER DETAILS
OOLC		
SCALE	AS SHOWN	A11
DRAWIN		REV. NO.
P011		
SOURCE		
		V) x 40mm (H) space
	90mm (V for COM	PANY LOGO
	90mm (V for COM	PANY LOGO
	90mm (V for COM	PANYLOGO
	90mm (V for COM	PANY LOGO
	90mm (V for COM	PANY LOGO
	for COM	PANY LOGO
	for COM 90mm (V for AP/R	V) x 60mm (H) space SERCE's
	for COM 90mm (V for AP/R	Y) x 60mm (H) space
	for COM 90mm (V for AP/R	V) x 60mm (H) space SERCE's
	for COM 90mm (V for AP/R	V) x 60mm (H) space SERCE's
BD's Of	for COM 90mm (V for AP/R	V) x 60mm (H) space SERCE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	for COM 90mm (V for AP/R signature	PANY LOGO II) x 60mm (H) space SERGE's ε/ and stamp chop
BD's Of	90mm (V for AP/R signature FICAL USE	/) x 60mm (H) space SERGE's ℓ and stamp chop
BD's Of	90mm (V for AP/R signature FFICAL USE	 Y) x 60mm (H) space SE/RGE's y' and stamp chop y' 150mm (H) space approval stamp / on of copies of plans
BD's Of	90mm (V for AP/R signature FFICAL USE	<pre>// ANY LOGO // x 60mm (H) space SERGE's // and slamp chop // x 150mm (H) space approval stamp / // on of copies of</pre>
BD's Of	90mm (V for AP/R signature FFICAL USE	<pre>// x 150mm (H) space SE/RGE's // and stamp chop</pre>
BD's Of	90mm (V for AP/R signature FFICAL USE	<pre>// x 150mm (H) space SE/RGE's // and stamp chop</pre>
BD's Of	90mm (V for AP/R signature FFICAL USE	V) x 60mm (H) space SERGE's 9 and stamp chop V) x 150mm (H) space approval stamp / on of copies of j plans
BD's Of	90mm (V for AP/R signature FFICAL USE	V) x 60mm (H) space SERGE's 9 and stamp chop V) x 150mm (H) space approval stamp / on of copies of j plans
BD's Of	90mm (V for AP/R signature FFICAL USE	V) x 60mm (H) space SERGE's 9 and stamp chop V) x 150mm (H) space approval stamp / on of copies of j plans
BD's Of	90mm (V for AP/R signature FFICAL USE	V) x 60mm (H) space SERGE's 9 and stamp chop V) x 150mm (H) space approval stamp / on of copies of j plans
BD's Of	90mm (V for AP/R signature FFICAL USE	V) x 60mm (H) space SERGE's 9 and stamp chop V) x 150mm (H) space approval stamp / on of copies of j plans

							TIE BEAM R.C.	DETAILS SCHEDU	JLE						
TIE BEAM MARK	BEAM SIZE (D x B)	LENGTH (m)	TIE BEAM TOP LEVEL (mPD)	PILE CAP (P1)	TOP LEVEL (Lv1) (mPD)	PILE CAP (P2)	TOP LEVEL (Lv2) (mPD)	T1	T2	STEEL BAR B1	B2	SB	LINK	SECTION REFERENCE	ELEVATION
TB1	1000 x 800	10.935	-6.35	F1	-6.35	F2	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB2	1000 x 800	7.385	-6.35	F1	-6.35	F3	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB3	1000 x 800	7.400	-6.35	F2	-6.35	F4	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB4	1000 x 800	10.936	-6.35	F3	-6.35	F4	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB5	1000 x 800	12.293	-6.35	F4	-6.35	F6	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB6	1000 x 800	11.818	-6.35	F3	-6.35	F5	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB7	1000 x 800	11.220	-6.35	F5	-6.35	F6	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB8	1000 x 800	10.941	-6.35	F6	-6.35	F8	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB9	1000 x 800	11.530	-6.35	F5	-6.35	F7	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB10	1000 x 800	9.451	-6.35	F7	-6.35	F8	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB11	1000 x 800	3.075	-8.08	F7	-8.08	-	-8.08	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB12	1000 x 800	1.450	-6.35	F5	-6.35	-	-6.35	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB13	1000 x 800	1.455	-6.35	F6	-6.35	-	-6.35	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB14	1000 x 800	3.595	-6.35	F1	-6.35	-	-6.35	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB15	1000 x 800	3.595	-6.35	F2	-6.35	-	-6.35	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB16	1000 x 800	7.065	-6.35	F8	-6.35	PC1	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB17	1000 x 800	7.045	-6.35	F7	-6.35	PC1	-6.35	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1



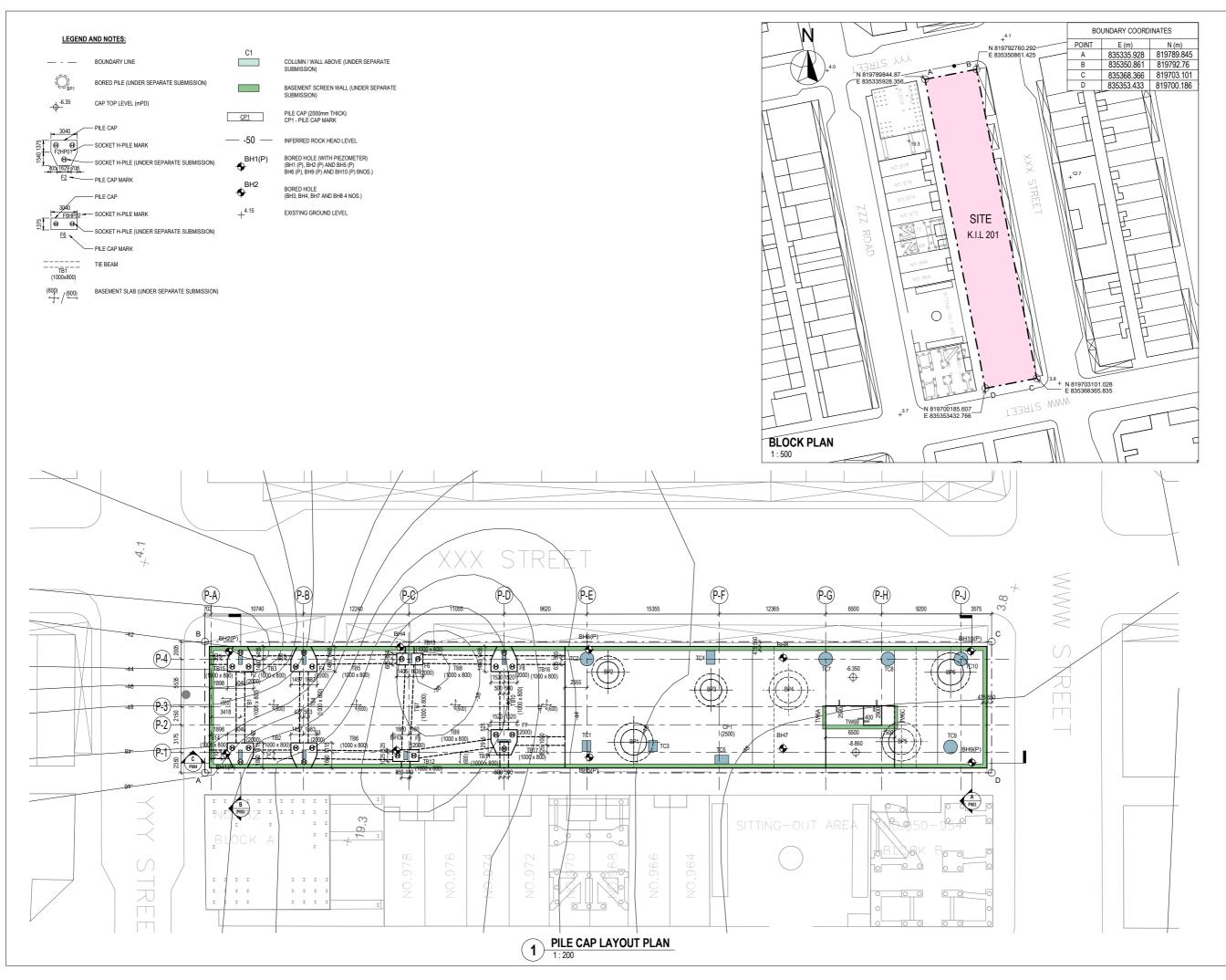




SECTION S1

BD REF	:			
BIM REF	:			
REV		DATE	AMEN	DMENT
PROJECT	Г			
CIC S	SAMP	LE PRC	JECT	
DRAWIN				_
TIE B	EAM	DETAIL	S & SCHEUDI	_E
SCALE				
	1:5	0@A1		
DRAWING		0@A1	F	REV. NO.
	G NO.	0@A1	F	REV. NO.
DRAWING	G NO.	0@A1	F	REV. NO.
DRAWING	G NO.	0@A1	F	REV. NO.
DRAWING	G NO.	0@A1	F	REV. NO.
DRAWING	G NO.			REV. NO.
DRAWING	G NO.	90mm (W	1) x 40mm (H) space	REV. NO.
DRAWING	G NO.	90mm (W		REV. NO.
DRAWING	G NO.	90mm (W	1) x 40mm (H) space	REV. NO.
DRAWING	G NO.	90mm (W	1) x 40mm (H) space	REV. NO.
DRAWING	G NO.	90mm (W	1) x 40mm (H) space	REV. NO.
DRAWING	G NO.	90mm (W	1) x 40mm (H) space	REV. NO.
DRAWING	G NO.	90mm (W	1) x 40mm (H) space	XEV. NO.
DRAWING	G NO.	90mm (W for COMF) x 40mm (H) space ANY LOGO	XEV. NO.
DRAWING	G NO.	90mm (W for COMF 90mm (W) x 40mm (H) space ANY LOGO	REV. NO.
DRAWING	G NO.	90mm (W for COMF 90mm (W for AP/RS	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING	G NO.	90mm (W for COMF 90mm (W for AP/RS) x 40mm (H) space ANY LOGO	XEV. NO.
DRAWING	G NO.	90mm (W for COMF 90mm (W for AP/RS	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	ξΕV. NO.
DRAWING	G NO.	90mm (W for COMF 90mm (W for AP/RS	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	REV. NO.
DRAWING	G NO.	90mm (W for COMF 90mm (W for AP/RS	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	REV. NO.
DRAWING	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	ξΕΥ. ΝΟ.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (V for COMF 90mm (N for AP/Rs signature	1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space E/ERGE's	XEV. NO.
DRAWING P012 SOURCE	3 NO.	90mm (M for COMH 90mm (M for APIR3 signature USE) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for APRR signature) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's / and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	
DRAWING P012 SOURCE	3 NO.	90mm (M for COMF 90mm (M for AP/Rs signature USE 90mm (M for BD's s) x 40mm (H) space ANY LOGO) x 60mm (H) space E/RGE's /and stamp chop	

T12



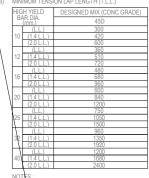
BD REF	:
BIM REF	
	1
REV	DATE AMENDMENT
PROJEC	
CIC S	SAMPLE PROJECT
DRAWIN	
	G TITLE CAP LAYOUT PLAN
PILE	CAP LAYOUT PLAN
PILE	CAP LAYOUT PLAN AS SHOWN@A1
PILE SCALE DRAWIN	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. }
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. }
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. }
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. }
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. 3 5 90mm (W) x 40mm (H) space for COMPANY LOGO
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. COMPANY LOGO 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space signature/ and stamp chop
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. Company of the second seco
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. S G 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO.
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN S STORM (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APIRSE/RGE's signature' and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN S STORM (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APIRSE/RGE's signature' and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN S STORM (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APIRSE/RGE's signature' and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN S STORM (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APIRSE/RGE's signature' and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN S STORM (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APIRSE/RGE's signature' and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN S STORM (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APIRSE/RGE's signature' and stamp chop FFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans
PILE SCALE DRAWIN P013 SOURCE	CAP LAYOUT PLAN AS SHOWN@A1 G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN G NO. REV. NO. CAP LAYOUT PLAN FFICAL USE Signature/ and stamp chop Signature/ and

GENERAL NOTES ON PILE CAP

- ALL DESIGN SHALL COMPLY WITH HONG KONG BUILDING (CONSTRUCTION) REGULATIONS AND THE CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013, CODE OF PRACTICE FOR FOUNDATIONS
- ALL DIMENSIONS ARE IN mm AND ALL LEVEL ARE IN METERS ABOVE PRINCIPAL DATUM UNLESS OTHERWISE STATED.
- 5mm THICK BLINDING LAYER OF GRADE 10/20 CONCRETE SHALL BE LAID
- AL REINFORCEMENT SHALL COMPLY WITH BS4449:1997 AND CONSTRUCTION STANDARD, CS2, 1995 'T' INDICATES HIGH TENSILE STEEL, WITH MINIMUM TENSILE STRASS EQUAL TO 500 MPa.
- CONCRETE FOR ALL PILE CAP SHALL COMPLY WITH CS1:2010 (EXCEPT SECTION 7.1), THE CONCRETE DESIGN MIX SHALL BE GRADE 45D/20 AND MINIMUM CONCRETE COVER SHALL BE 40mm.
- THE REACTIVE ALKALI OF CONCRETE EXPRESSED AS THE EQUIVALENT SODIUM OXIDE PER CUBIC WETER OF OF CONCRETE SHALL NOT EXCEED 3.0kg WHEN DETERMINED IN ACCORDANCE WITH THE SPECIFIED ITEM GIVEN IN APPENDIX A OF PNAP APP-74.
- ANY ADDITIVE OR ADMIXTURE SHALL COMPLY WITH BS5075 AND SHALL NOT BE USED WITHOUT PRIOR AGREEMENT OF THE ENGINEER.
- SAMPLES OF ALL MATERIALS USED SHALL BE TESTED & TEST RESULTS SHALL BE 8. SUBMITTED TO THE ENGINEER FOR APPROVAL ALL WORKS, MATERIALS AND TESTING SUCH AS TESTINGOF STEEL BAR & CONCRETE CUBES SHALL COMPLY WITH GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 1932 EDITION AND HONG KONG BUILDING (CONSTRUCTION) REGFOR REFERENCE ONLY STATED IN THE DRAWING.
- DETAILS SETTING OUT OF THE BUILDING SHALL REFER TO BUILDING PLANS.
 THE CONTRACTOR SHALL CHECK ALL RELEVANT DRAWINGS AND VERIFY LEVELS AND DIMENSIONS IN ADVANCE OF THE WORK AND REPORT ANY DISCREPANCY TO THE ARCHITECT/ENGINEER IMMEDIATELY.
- 11. THE WIND LOAD OF BUILDING IS BASED ON CODE OF PRACTICE ON WIND EFFECTS HONG KONG 2004.
- 12 ALL STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE RELEVAN ARCHITECT'S AND SERVICES ENGINEER'S DRAWINGS THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND VERIFY LEVELS AND DIMENSIONS IN ADVANCE OF THE WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- 13. HIGH TENSILE STEEL BARS (DENOTED BY T) SHALL BE HOT ROLLED TY E 2 DEFORMED BAR OF GRADE 500 TO CS2-2012. MILD STEEL BARS (DENOTE) E SHALL BE FLAIN ROUND GRADE 250 TO CS2-2012. ALL REINFORCEMENT TO BE CUT AND BENT IN ACCORDANCE WITH BS4466.
- 14. ALLOW SUFFICIENT STEEL CHAIRS TO SUPPORT TOP REINFORCEMENTS I AND TIE BEAM TO KEEP VERTICAL WALL REINFORCEMENTS IN THEIR CORRECT ALIGNMENTS
- UNLESS NOTED OTHERWISE, MINIMUM LAP LENGTHS AND MINIMUM ANCHORAGE LENGTHS OF BEAM BARS AND COLUMN BARS SHALL COMPLY WITH CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013 OR BE AS FOLLOW, WHICHEVER IS THE GREATER.

(A)	MINIMUM TE	NSION ANCHORAGE LENGTH (T.A.L.)
	HIGH YIELD	DESIGNED MIX (CONC GRADE)
	BAR DIA. (mm.)	45D
	10	300
	12	360
	16	480
	20	600
	25	750
	32	960
	40	1200

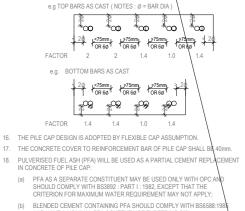
B) MINIMUM TENSION LAP LENGTH (T.L.L.)



ISION LAP LENGTH (T.L.) NORMALLY EQUAL TO LAP LENGTH (L.L.) LENGTH FOR UNEQUAL SIZE BARS JULY BE BASED UPON THE SMALLER BAR. L.L.) APPEARS ON TOP MOST LAYERS OF STEEL BARS ONLY.

FOR REFERENCE ONLY (C) SPECIAL

- (a) WHERE A LAP OCCURS AT THE TOP OF A SECTION AS CAST AND THE MINIMUM COVER IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMENT, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 1.4.
- (b) WHERE A LAP OCCURS AT THE CORNER OF A SECTION AND THE MINMUM COVER TO EITHER FACE IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMENT OR, WHERE THE CLEAS THAN TWICH THE SIZE OF THE LAPED REINFORCEMENT OR, WHERE THE CLEAR DISTANCE BETWEEN ADJACENT LAPS IS LESS THAN 75mm OR SIX TIMES THE SIZE OF THE LAPPED REINFORCEMENT, WHICHEVER IS THE GREATER, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 1.4.
- (c) IN CASE WHERE BOTH CONDITIONS (a) δ (b) APPLY, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 2.0.



AND HAVE A NOMINAL PFA CONTENT NOT EXCEEDING 25

(c) THE PFA CONTENT SHOULD NOT EXCEED 25% BY MASS OF THE

CEMENTITIOUS CONTENT (OPC PLUS PFA) OF THE CONCRETE

NOTES ON PROTECTION OF EARTHWORKS AGAINST HEAVY RAINFALL

- SURFACE WATER FLOWING INTO AND OUT OF THE SITE SHAL NARAGE WALEER FLOWING WHO AND OUT OF THE SITE STALL INTERCEPTED AND CONDUCTED FORM THE SITE TO A SAFE CHARGE POINT AT EACH INTERSECTION AND ABRUPT CHANGE RECTION OF SURFACE CHAINEL, ACCESSIBLE CATCHPIT AL BE PROVIDED ALL DRAINAGE WORKS SHALL BE KEPT R OF DEBRIS
- WHERE PARTIALLY COMPLETED DRAINAGE WORKS DISCHARGE WITHIN E A TEMPORARY CONDUIT SHALL BE PRI RGE POINFOR REFERENCE ONLY ROVIDED TO THE
- DURING EXCAVATION A METHOD OF WORKING SHALL BE IN WHICH THE MINIMUM OF BARE SOIL IS EXPOSED AT AI EXCAVATION TO FORM THE FINAL FACE SHALL BE FOLD IMMEDIATELY WITH SURFACE PROTECTION AND DRAINA
- WHERE TEMPORARY BARE EARTH SLOPE FACES ARE UNIVOIDABLE. THEY SHALL BE PROTECTED WITH HEAVY DUTY SHEETING ADOLDAN SECURED AT THE EDGES, SEALED AT THE CREST, AND LAPD AT JOINTS WHERE SLOPE FACES ARE TO BE TEMPORARILY EXPOSED FOR MORE THAN TWO WEEKS, TEMPORARY DRAINS SHALL BE INSTALLED IN ADDITION TO SURFACING.

NOTES ON COMPACTED BACKFILL (FOR INFORMATION ONLY)

- FILL MATERIAL SHALL BE GRADED, CONTAINING NO PARTICLES. CENTAGE BY MASS PA m BS TEST SIEVE SHALL BE 75% TO 100%
- L MATERIAL SHALL BE PLACED IN LAYERS OF NOT MORE THAN Imm THICK, AND EACH LAYER SHALL BE COMPACTED TO NOT SE THAN 95% MAXIMUM DRY DENSITY.
- FILL ARTERIAL SHALL BE AT OPTIMUM MOISTURE CONTENT DURING COMPACTION THE TOLERANCE ON THE OPTIMUM MOISTURE CONTENT PERCENTAGE SHALL BE 3%, PROVIDED THAT THE FILL MATERIAL IS STILL CARABLE OF BEING COMPACTED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS.
- COMPACTION OF THE SOFT FILL SHALL BE PERFORMED IN ACCORDANCEWITH THE REQUIREMENT STIPULATED IN CLAUSE 6.46 548 OF GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, PMAP APP-5 AND PMAP APP-54.
- FILL MATERIAL SHALFOR REFERENCE ONLY TER.
- IF THE FRACTION OF FILL MATERIAL PASSING A 420 VICRO SIEVE IS PLASTIC, THE LIQUID LIMIT SHALL NOT EXCEED 45% AND THE PLASTIC LIMIT SHALL NOT EXCEED 20%.
- LIMIT SHALL NOT EXCEED 20.9. THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE ONTENT SHALL BE DETERMINED IN ACCORDANCE WITH GEO REPORT NOSS TEST NO 4.3.3 EACH SOIL TYPE SHALL BE TESTED WHEN FIRST GED AND THEREAFTER AT THE SAME TIME AS EVERY SET OF FIELD DENSITY TESTS RECORDS SHALL SHOW CLEARLY SOIL TYPE. TEST LOCATION AND ELEVATION IN mPD FOR EACH TEST TOGETHER WITH THE MAMINIM DRY DENSITY AND OPTIMUM MOISTURE CONTENT RESULTS.
- THE INSITU FIELD DENSITY AND MOISTURE CONTENT SHALL BE DETERMINED IN ACCORDANCE WITH GEO REPORT NO 36 TEST I AND PNAP APP-8.
- ONLY LABORATORIES ACCREDITED UNDER HOKLAS FOR THE RELEV TESTS SHALL BE EMPLOYED IN ACCORDANCE WITH PNAP APP-64 AN THE TEST RESULTS SHALL BE ISSUED ON HOKLAS-ENDORSED TEST CERTIFICATES OR REPORTS.

300 THK.

PILE CAP

HANGER WALL

CONNECTING

- T16-125

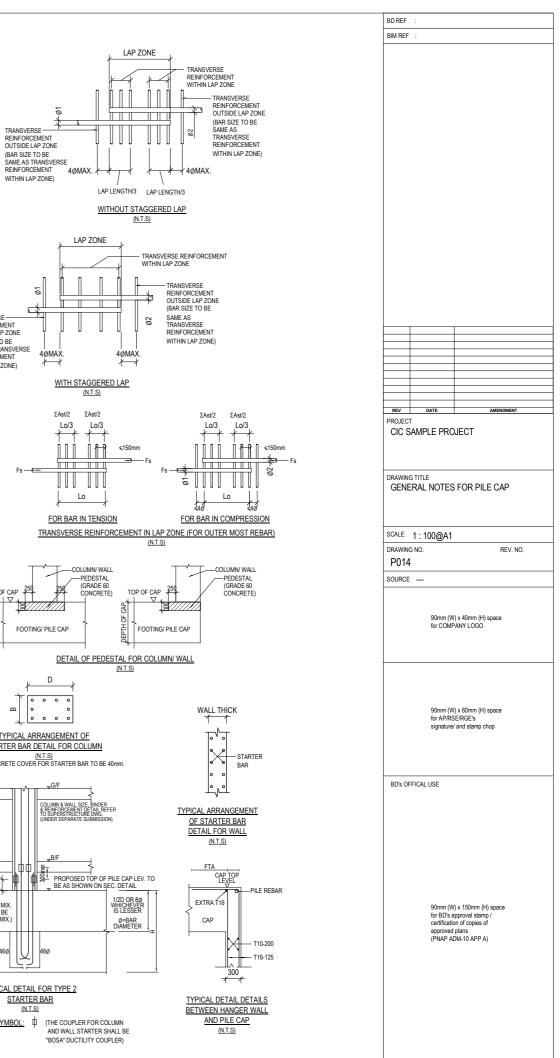
T10-200

- T12-100

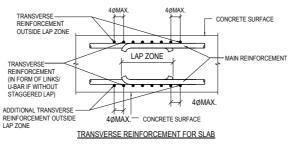
DETAILS OF MINIMUM TRANSVERSE REINFORCEMENT IN LAP ZONE

TALBE : TRANSVERSE REINFORCEMENT

MAIN REINFORCEMENT	TRANSVERSE REINF	ORCEMENT REQU	IRED WITHIN LAP	ZONE		
AT LAP THE SMALLER OF ØT OR Ø2)		(WITH	(WITHOUT STAGGERED LAP)			
0F (01 (02)	(WITH STAGGERED LAP)	1.0TL	1.4TL	2.0TL		
< 20	N	D EXTRA REQUIRE	MENT			
20	4T10 3T12	2x3T10-100	2x3T10-125	2x4T10-125		
25	FOR REFEREN	CE ONLY	2x4T10-100	2x5T10-125		
32	11T10	2x4T12-150	2x5142-125	2x6T12-150		
JZ	8T12	284112-130	20012-120	280112-130		
40	16T10	2x6T12-100	2x6T12-125	2x7T12-150		
	12T12					
50	25T10	2x5T16-125	2x5T16-150	2x9T12-280		
50	18T12	240110-120	2,0110-100	283112-20		

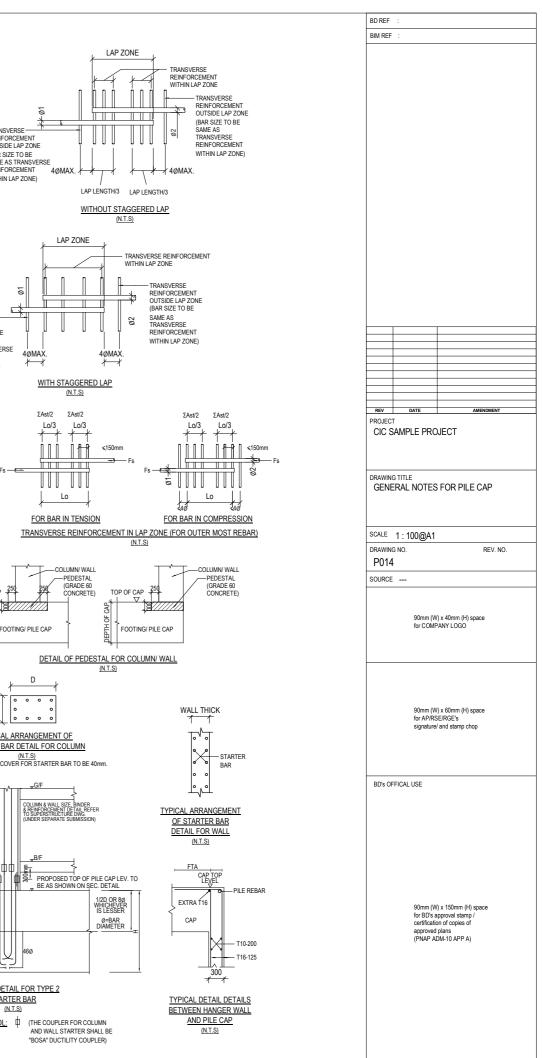


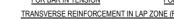


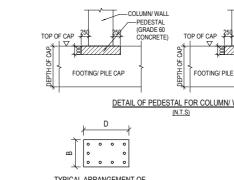




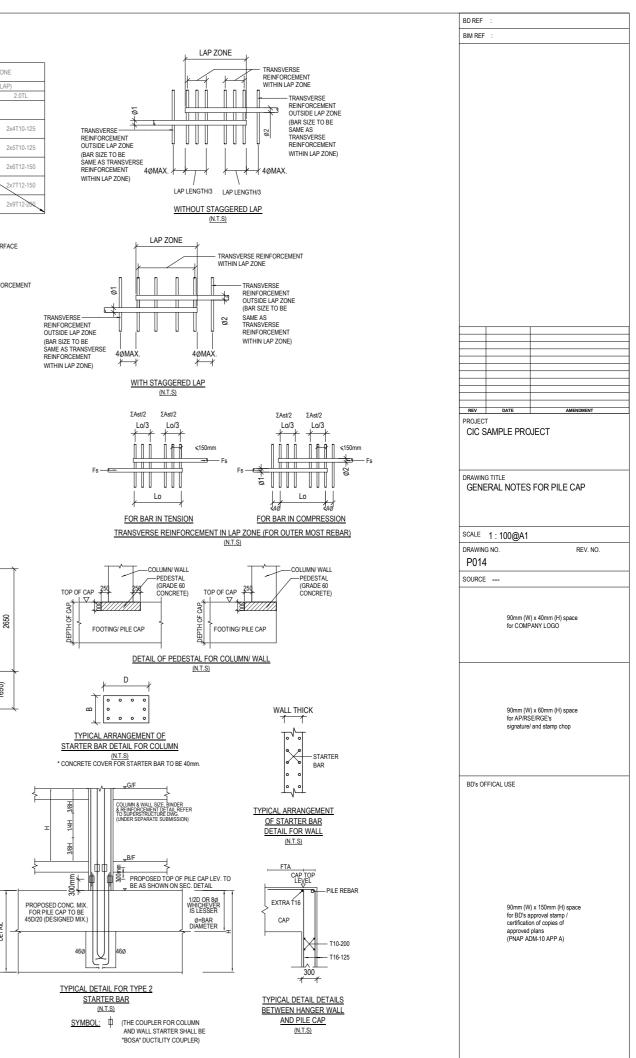
- 1. Ø IS THE SMALLER OF Ø1 AND Ø2
- TRANSVERSE REINFORCEMENT SHOULD BE PLACE PERPENEDICULAR TO 2 THE DIRECTION OF THE LAPPED REINFORCEMENT AND BETWEEN THAT AND THE SURFACE OF THE CONCRETE
- TRANSVERSE REINFORCEMENT SHALL INCLUDE HORIZONTAL BARS BARS OF WALL, BINDERS OF COLUMN OR SHEAR LINKS OF BEAM

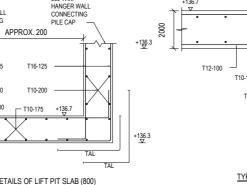




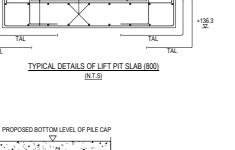








SHOWN ON DET AIL



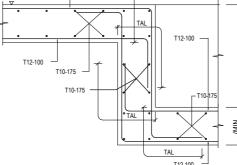
300 THK

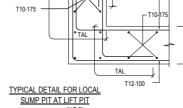


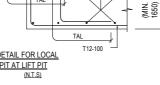
DETAILS OF BENCHING UNDERLYING THE PILE CAP (N.T.S)

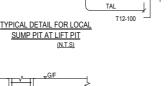
MASS FILL WORKS

2000 T12-100 +136.7



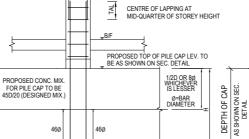






COLUMN & WALL SIZE, BINDER & REINFORCEMENT DETAIL REFER TO SUPERSTRUCTURE DWG. (UNDER SEPARATE SURMISSION)





TYPICAL DETAIL FOR COLUMN & WALL STARTER BAR (FOR INFORMATION ONLY) (N.T.S)

METHOD STATEMENT FOR DEMOLITION WORK:

GENERA DEMOLITION WORKS SHALL COMPLY WITH BUILDING (DEMOLITION WORKS) REGULATIONS. BES187:82, CONSTRUCTION SITE (SAFETY) REGULATIONS, THE GUIDELINES AND REQUIREMENTS SET OUT IN PNAP71 AND CODE OF PRACTICE FOR DEMOLITION OF

- BUILDINGS 2004. ALL STRUCTURES TO BE DEMOLISHED BY ORDINARY HAND-HELD TOOLS. POWERED MECHANICAL PLANTS MAY BE EMPLOYED AND RESTED AT SOLID GROUND TO NELP REMOVAL OF DEBIS AT GIF. DEVIOLITION SHALL BEGIN ON THE ROOF AND PROCEED DOWN FLOOR BY FLOOR TO THE GROUND FLOOR. THE CONCRETE OF EACH STRUCTURAL ELEMENT SHALL BE BROKEN DOWNG RADULALLY. THE REIMFORCEMENT SHALL BE LET IN PLACE UNTIL THE CONCRETE IS BROKEN AWAY AND WHEN ITS SUPPORT IS NO LONGER NEEDED. 1.4
- 1.5 THE DEMOLITION OF EACH STRUCTURAL ELEMENT SHALL BE PERFORMED ACCORDING TO
- THE DEWACHTON'D PACH STRUCT URAL ELEMENT SHALL BE PERPONIED ACCORDING TO THE DETAILS AS SHOWN ON DEMOLITION PLANS. BEFORE DEINQLITION WORKS, THE PROPPING UNDERNEATH CANTILEVER BEAMS IF ANY SHALL BE INSTILLED. BEFORE DEMOLITION WORKS, ALL UNAUTHORIZED STRUCTURES SHALL BE REMOVED. 1.6
- 1.7 1.8 THE CONTRACTORSHOULD VERIFY THE STRUCTURE WITH THE LATEST STRUCTURE APPROVED PLANS INCLUDING A& WORKS) BEFORE COMMENCEMENT OF THE DEMOLITION WORKS. WHERE CONTOINS ON SITE REVEALED SITUATION AND ARRANGEMENT DIFFERENT FROM THE WAILABLE INFORMATION, OR HAVING ANY POTENTIAL INSTABILITY, 1.9 1.10
- DIFFERENT FROM THE AVAILABLE INFORMATION, OR HAVING ANY POTENTIAL INSTABILITY, THE CONTRACTORS SHOLD SFEK OPINION AND ADVICE FROM APIRSE BEFORE PROCEED. GROUND FLOOR SLAB TO BEFOR REFERENCE ONLY ALL SCAFFOLDING WORKS SHOULD STRICTLY FOLLOW THE GUIDANCE NOTES OF CODE OF PRACTICE FOR BAMBOO SCAFFOLDING SAFETY AND GUIDANCE NOTES TO RENOVATION SAFETY ISSUED BY LABOUR DEPARTMENT.

2. DEMOLITION SEQUENCE (TOP DOWN - BY MANUAL METHOD)

- DEMOLITION SEQUENCE SHALL BE DETERMINED ACCORDING TO THE ACTUAL SITE 21 CONDITIONS, RESTRAINTS, ORIGINAL BUILDING LAYOUT AND ITS CONSTRUCTION. IN GENERAL, THE FOLLOWING SEQUENCE SHALL APPLY: i) ALL CANTILEVERED STRUCTURE CANOPIES, AND VERANDAHS SHALL FIRST BE
 - DEMOLISHED PRIOR TO THE DEMOLITION OF MAIN BUILDING AND ITS INTERNAL STRUCTURES ON EACH FLOOR: THE STRUCTURAL ELEMENTS, IN GENERAL, SHALL BE DEMOLISHED IN THE FOLLOWING SEQUENCE:

 - SLAB SECONDARY BEAMS, THEN
 - INTERNAL PRIMARY BEAMS (iii) ALL DEMOLITION WORKS TO BE CARRIED OUT FLOOR BY FLOOR.

 - (iii) THE PERPHERAL ELEMENT OF THE BUILDING SHALL BE DEMOLISHED IN ACCORDANCE WITH THE DEMOLITION SEQUENCE OF PERPHERAL ELEMENTS. (0) THE INTERNAL ELEMENT, ICULDING BEAMS AND COLUMNS SHALL BE DEMOLISHED BY GRADUALLY BREAKING DOWN THE CONCRETE OR BY PULLING THEM DOWN IN A
 - GRADUALLY BREAKING DOWN THE CONCRETE OR BY PULLING THEM DOWN IN A CONTROLLED MANNER. THE ABOVE PROCEDURES SHALL BE REPEATED (IF NECESSARY) FOR DEMOLITION DOWN TO THE LOWEST FLOOR AT GROUND LEVEL.
- PRIOR TO COMMENCEMENT OF THE DEMOLITION WORK AN ASBESTOS INVESTIGATION SURVESTIGATED OUT BY A SPECIALIST ASBESTOS CONSULTANT FIRM TO DETERMINE ANY ASBESTOS BASED PRODUCTS WHICH MAY EXIST.

DEMOLITION SEQUENCE:

- REMOVE THE UBW WORKS UNDER MINOR WORKS IF APPLICABLE. PRIOR TO THE DEMOLITION WORKS, THE HOARDING SHALL BE CONSTRUCTED IN CCORDANCE WITH THE HOARDING PLANS UNDER SEPARATE SUBMISSION.
- TWO-STORIES PROPPING SHOULD BE PROVIDED PRIOR TO START OF DEMOLITION WORK.
- The TWO-STORIES PROPPING SHOULD BE PROVIDED PRIOR TO START OF DEMOLIT REMOVE ALL UBW STRUCTURES. DEMOLINON SEQUENCE OF ROOF FLOOR: a. PARAPPIS, STARHOOD AND OTHER STRUCTURES ABOVE ROOF FLOOR LEVEL; b. EXTERIOR VIALLS LINKING THE CANTILEVERED STRUCTURE AT ROOF FLOOR; c. CANTILEVER VABS OR CANOPY AT ROOF FLOOR; d. REMAINING SLADAT ROOF FLOOR; DEMOLING SLADAT ROOF FLOOR; DEMOLING SLADAT ROOF FLOOR; DEMOLING SLADAT ROOF FLOOR;

- NON-LOAD BEARIN W FOR REFERENCE ONLY OOR BELOW ROOF FLOOR; SECONDARY BEAMS AL ROOF FLOOR;

- f. SECONDARY BEAMS AT NOOF FLOOR; g. MAIN BEAMS AT ROOF FLOOR; h. COLUMINS AND LOAD BEARING WALLS BETWEEN ROOF AND FLOOR BELOW ROOF. DEMOLITION OF SUBSEQUENT FLOORS BELOW ROOF FLOOR: a. PARAPETS, STAIRHOOD AND OTHER STRUCTURES ABOVE FLOOR LEVEL IF APPLICABLE; b. EXTERIOR WALLS LINKING THE CANTILEVERED STRUCTURES IF APPLICABLE; c. CANTILEVERED SLABS OR CANOPY; d. DEMOLING CLABS:
- REMAINING SLABS:
- NON-LOAD BEARING WALLS BETWEEN THE FLOOR AND THE FLOOR BELOW
- SECONDARY BEAMS MAIN REAMS
- h. COLUMNS AND LOAD BEARING WALLS BETWEEN THE FLOOR AND THE FLOOR BELOW

DEMOLITION OF CANTILEVER STRUCTURE:

- PINGS SHALL BE INSTALLED FOR ALL CANTILEVERED STRUCTURES PRIOR TO

- PROPINGS SHALL BE INSTALLED FOR ALL CANTILEVERED STRUCTURES PRIOR TO COTIMENCEMENT OF DENOLITION WORKS. NO STRUCTURAL MEMBER FOR REFERENCE ONLY BOVE THAT FLOOR. THE DEMOLISHED PRIOR TO THE DEMOLITION UP THE UNTILEVER STRUCTOR AT THAT FLOOR. THE EXTERIOR WALL CONNECTED SHALL BE DEMOLISHED FIRST WITH THE CANTILEVER SLAB. ANY STRUCTURE OR DEAD LOAD SUPPORTED BY THE CANTILEVERED SYSTEM SHALL BE REMOVED PRIOR TO DEMOLISHING THE CANTILEVER STATULEVER STATUS FROM THE EXTERIOR EDGE THE CONCRETE SHALL BE BROKEN DOWN GRADUALLY STARTING FROM THE EXTERIOR EDGE THE CONCRETE SHALL BE BROKEN DOWN GRADUALLY STARTING FROM THE EXTERIOR EDGE THE CONCRETE SHALL BE BROKEN DOWN GRADUALLY STARTING FROM THE EXTERIOR EDGE THE CONCRETE SHALL BE BROKEN DOWN GRADUALLY STARTING FROM THE EXTERIOR EDGE. OF THE CANTILEVER FLOOR, WORKING INWARD AND TOWARD ITS SUPPORTING BEAMS.

DEMOLITION OF BRICK IN-FILL WALL:

TO ANOID ANY POTENTIAL HAZARD OF BRICKS FALLING OUT OF THE BUILDING, ALL THE BRICK IN-FILL SHALL BE REMOVED BY PUSHING INWARD, BEFORE DISMANTLING THE REINFORCED CONCRETE FRAMING. WORKING PLATTORMS OTHER TO FOR THE FOR ALL OF LEB RICK IN-FILL WALLS. BRICK REMOVAL SHALL BEWIN FROM THE FOR THE DOWNWARDS. THE WORKS SHALL BE CARRIED OUT LAYER BY LAYER WITH EACH LAYER NOT LARGER THAN 300mm.

PRECAUTIONARY MEASURES:

- HUARDING (SUBMITTED SEPARATELY) THE HOARDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HOARDING PLANS UNDER SEPARATE SUBMISSION.
- TEMPORARY SUPPORT STEEL PROPPING SHALL HAVE A WORKING CAPACITY OF 25kN PER PROP. THE PROPS SHALL BE RACED WITH LATERAL RESTRAINTS IN AT LEAST TWO DIRECTIONS.

- IRACED WITH LATERAL RESTRAINTS IN AT LEAST TWO DIRECTIONS. EXISTING UTILITIES LE EXISTING UTILITIES SHALL BE TERMINATED. SEWER SERVICE AND DRAINAGE CONNECTIONS HALL BE PROPERLY DISCONNECTED AND SEALED OFF AT LAST MANHOLE. CONTRACTOR SHALL SIST THE CLIENT TO COORDINATE WITH UTILITY COMPANIES FOR ALL SERVICE TERMINATION. IOTIFICATION TO APIRSE FOR ANOMALIES OR IRREGULARITIES OBSERVED 1.1 THE FRAMING PLANS ARE RECORDED ON SITE. PRIOR TO THE DEMOLITION WORK, THE CONTRACTOR SHOULD CARRY OUT A DETAILED INSPECTION TO VERIEY THE ACCURACY OF THE INFORMATION AS SHOWN. WHERE CONDITIONS ON SITE REVEALED STUATION AND APPROXEMENT DIFERENT EDGENERED FOR MONAL OF HAVING ANY POTENTIAL HAZARDS. THE ANGEMENT DIFFERENT FROM NORMAL OR HAVING ANY POTENTIAL HAZARDS. THE NTRACTOR SHOULD SEEK OPINION AND ADVICE OF AP/RSE BEFORE PROCEEDING THER
- 4.2 HE CONTRACTOR SHOULD EXAMINE AND IDENTIFY FOR THEMSELVES OF THE NATURE OR THE CONTRACTOR SHOULD EXAMPLE AND LEVENT FOR THE MATCHED UPS OF THE MATCHED TAILCOADING OR SHOULD EXAMPLE AND LEVENT FOR THE MATCHED OR STARCASES. IF UNCERTAIN, APRES ADVICE SHOULD BE SOUGHT, GENERALLY, ALL CANTIEVER CONSTRUCTION SHOULD BE PROPED PRIOR TO THE ACTUAL DEMOLITION. THE CONTRACTOR SHOULD NOTIFY THE APIRSE DURING THE COURSE OF DEMOLITION.
- 4.3 WORKS, THE FOLLOWING DEFECTS, IF ANY
 - STRUCTURAL DEFORMATION; CRACK AND
- i) CORROSION OF REINFORCEMENT
- NDLING DEBRIS
- IG FURNITURE, WOOD FLOORS, DOOR FRAMES, WINDOWS, PIPING SHALL BE ANY EXISTIN 5.2
- ANY EXISTING VENTITURE, WOOD FLOORS, DOOR FRAMES, WINDOWS, PIPING SHALL BE SQRTED AND REMOVED SEPARATELY. DEMOLITION DEARIS SHALL BE PICKED UP ON GROUND FLOOR AND CARRIED AWAY BY DUMP TRUCKS. DEBRIS & LEARING AND TRANSPORTATION SHALL BE SCHEDULED TO MAINTAIN THE FOLLOWING CONDENDS: () DEBRIS ACCUMULATION ON THE COCKLOFT OR FIRST FLOOR OR ABOVE SHALL
- NOT BE HIGHER HAN 100mm. (ii) DEBRIS ACCUMULATION ON THE GROUND FLOOR SHALL NOT EXCEED 1m.
-) NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE CANTILEVER STRUCTURES.
- STRUCTURES. SPECIAL SITE SAFETY 6.1 EMERGENCY EXIT THE EXISTING STAIRCASE SHALL BE USED AS EMERGENCY ROUTE. THE EMERGENCY ROUTE SHALL BE MAINTAINED THROUGHOUT THE DEMOLITION PROCESS. THE ROUTE SHALL BE CLEARED OF OBSTRUCTION AT ALL TIME. SIGNS OR MARKINGS SHALL BE INSTALLED TO CLEARED OF OBSTRUCTION AT ALL TIME. SIGNS OR MARKINGS SHALL BE INSTALLED TO CLEARLY IDENTIFY THE ROUTE.
- 6.2 PROTECTION OF OPENINGS THE CONTRACTOR SHOLD ENSURE THAT EVERY WORK PLACE AND APPROACH AND ALL OPENINGS DANGEROUS TO PERSONS EMPLOYED AND OTHERS SHOLD BE PROVED TO AVOID PERSONS AND PROTECTED. SATISFACTORY MEASURES SHALL BE PROVIDED TO AVOID PERSONS FALLING FROM HEIGHT.
- 6.3 FIRE PREVENTION FIRE EXTINGUISHER OR FIRE FIGHTING EQUIPMENT SHALL BE PLACED IN VISIBLE LOCATIONS, ADJACENT TO THE STAIRCASE, ON EACH FLOOR. ALL FLAMMABLE MATERIALS SHALL BE STORED IN A SAFE LOCATION IN ACCORDANCE WITH THE FACTORIES AND INDUSTRIAL UNDERTAKING REGULATIONS
- FACTORIES AND INDUSTRIAL UNDERTAKING REGULATIONS. DUST AND NOISE () WATER SPRAYING SHALL BE APPLIED TO SUPPRESS THE DUST GENERATED DURING THE DEMOLITION OPERATION AND DEBRIS HAULING. () SUPER SLENCED TYPE AIR COMPRESSOR SHALL BE USED. DEMOLITION WORKS SHALL NOT BE PERFORMED WITHIN THE RESTRICTED HOURS FROM 1900 HRS 10 0700 HRS ON AUX DAY AND FORMATIONE TO FORM UNCO AUX OF THE DEMOLITION WORKS SHALL 6.4
- ALL DAY AND FROM 0700 HRS TO 1900 HRS ON GENERAL HOLIDAYS INCLUDING SUNDAY. OR AS PER EPD'S REQUIREMENT.
- 6.5 TRAINING ALL SITE PERSONNEL SHALL GO THROUGH A TRAINING PROGRAM TO UNDERSTAND THE ALL SITE PERSONNEL SHOLL BY INFOUGH A TRADING PROGRAM TO UNDERSIGN THE PROJECT AND SITE SAFETY REQUIREMENTS. THE TRAINING PROGRAM SHALL BY CONDUCTED BY A COMPETENT TRAINER. THE TRAINING PROGRAM SHALL INCLUDE THE FOLLOWING.
- ALLOWING: AN INDUCTION TRAINING COURSE AT THE BEGINNING OF THE JOB TO CIRCULATE INFORMATION ON THE PROPOSED METHOD AND REQUIRED SAFET MEASURES TO PERFORM THE WORK.
- DAILY SAFETY MEETINGS TO MAINTAIN AND REINFORCE THE SAFETY CONCEPT TYPHOON
- 6.6 IN THE CASE WHEN TYPHOON SIGNAL NO. 3 IS HOISTED. THE CONTRACTOR SHALL INSI ALL EXTERNALLY EXPOSED TEMPORARY WORK AND STRENGTHEN ANY LOOSE CONNECTIONS, AFTER THE TYPHOON, ALL EXTERNALLY EXPOSED TEMPORARY WORKS SHALL BE INSPECTED AND CONFIRMED TO BE SAFE BY THE COMPETENT AND EXPERIENT

MAINTENANCE AND INSPECTION

- THE DEMOLITION WORKS SHALL BE SUPERVISED BY AUTHORIZED PERSON, REGISTERED STRUCTURAL ENGINEER, REGISTERED SPECIALIST CONTRACTOR AND THEIR TECHNICALL MPETENT PERSON IN ACCORDANCE WITH THE SITE SAFETY SUPERVISION PLAN LODGED 7.2
- MIPETENT PERSON IN ACCORDANCE WITH THE SITE SAFE IT SUPERVISION PLAN LODGED THE BUILDING AUTHORITY. I. THE PRECAUTIONARY MEASURES AND TEMPORARY SUPPORTS SHALL BE INSPECTED BY CCONTRACTOR ON A DAILY BASIS, ANY ACCUMULATION OF BUILDING DERISI ON THE THE FANS AND CATCH PLATFORMS SHALL BE REMOVED, ANY DEFICIENCY SHALL BE REPAIRED WHEN FOUND NECESSARY. THE INSPECTION AND REPAIR RECORDS SHALL BE PROVIDED TO THE AP AND RSE.
- BEFORE LEAVING THE JOB SITE EACH DAY, THE CONTRACTOR SHALL IDENTIFY AND RECTIFY 7.3 ANY UNS AFT CONDITIONS SUCH AS PARTIALLY DEMOLISHED STRUCTURAL FLEMENTS AND
- ANT UNSARE COMMITTIONS SUCH AS PARTIFILET DEMOLISHED STRUCTURAL ELEMENTS AND DAMAGED TEXPORARY SUPPORTS. THE BANBOO SAFFOLDING SHALL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH WITH THE CODE OF PRACTICE FOR BANBOO SAFFTY AND THE CONSTRUCTION SITE (SAFETY) REGULATIONS BY THE CONTRACTOR. 74
- - AT THE INITIAL WARNING OF A YPHOON OR A MAJOR STORM EVENT, THE FOLLOWING SHALL 8.2 BE PERFORMED
 - BE PERFORMED: 82.1 CONTRACTOR SHALL SECU**FOR REFERENCE ONLY** AS AND LOOSE ELEMENTS ON SITE. 8.2.2 ALL FLAMMABLE MATERIALS, OXYGEN AND ACETYLENE BOTLES SHALL BE REMOVED OR SECURED IN A SAFE LOCATION. 8.2.3 NO UNSTABLE AND/OR PARTIALLY DEMOLISHED STRUCTURAL ELEMENTS
- SHALL BE BRACED AND SECURED. 9. POST DEMOLITION
- UPON COMPLETION OF THE DEMOLITION, THE SITE SHALL BE LEVELLED AND CLEARED OF 9.1
- IN THE CASE OF NO IMMEDIATE REDEVELOPMENT. THE SITE BOUNDARY SMALL BE 9.2 9.3
- IN THE CASE OF NO INMEDIATE RELEVELOFMENT, THE SITE DOUNDART SAFEL BE COMPLETELY ENCLOSED TO PREVENT PUBLIC ACCESS. DAMAGE TO PAVEMENT, FOOTPATH AND OTHER ELEMENTS WITHIN THE RIGHT OF WAY SHALL BE REPARTED TO ITS ORIGINAL CONDITION PRIOR TO THE COMPLETION OF THE DEMOLITION PROJECT. 10.
- SITE SUPERVISION 10.1 SITE STAFF RESPONSIBLE FOR SUPERVISION AND CONTROL OF DEMOLITION SHALL BE 10.1 EXPERIENCED IN THE DEMOLITION OF BUILDINGS SIMILAR TO THOSE TO BE DEMOLISHED. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM SITE SUPERVISION 10.2
- THE CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM SITE SUPERVIS REQUIREMENTS: A FULL-TIME SITE ENGINEER WHO SHALL BE REGISTERED PROFESSIONAL ENGINEER, IN THE STRUCTURAL, CIVIL OR BUILDING DISCIPLINE AND SHALL BE RESPONSIBLE TO THE CONTRACTOR DURING DEMOLITION OF CANTLEVER ST EXPERIENCED FOREMAN WHO SHALL BE FULL-TIME ON SITE. EACH FOREMAN RESPONSIBLE AND SUPERVISE THE DEMOLITION WORKS FOR EACH ZONE OF DEMULTION WORKS

- DEMOLITION WORKS. (iii) SITE SUPERVISION REQUIREMENTS AS STIPULATED IN THE LATEST VERSION OF DEMOLITION CODE AND BUILDING (DEMOLITION WORKS) REGULATION

Ν

819789844.87

t1þ.з

Ο

Len ap 791

G

لعام هام الحا

N 819700185.607 E 835353432.766

E 835335928.356

JULS L



NOTES ON DEBRIS MANAGEMENT SYSTEM:

- 1.3 1.4 1.5
- 1.6 THE SITE SUPERVISORY PERSONNEL RESPONSIBLE FOR THE DE
- SYSTEM. S DEPARTMENT TOGETHER WITH THE SITE SAFETY SUPERVI
- THE TIME OF CONSENT APPLICATION

NOTES ON SITE VIDEO CAMERA:

- THE RSE FOR AT LEAST 14 DAYS.

NOTES ON BEAM PLUS:

N 819792760.292

E 835350861.425

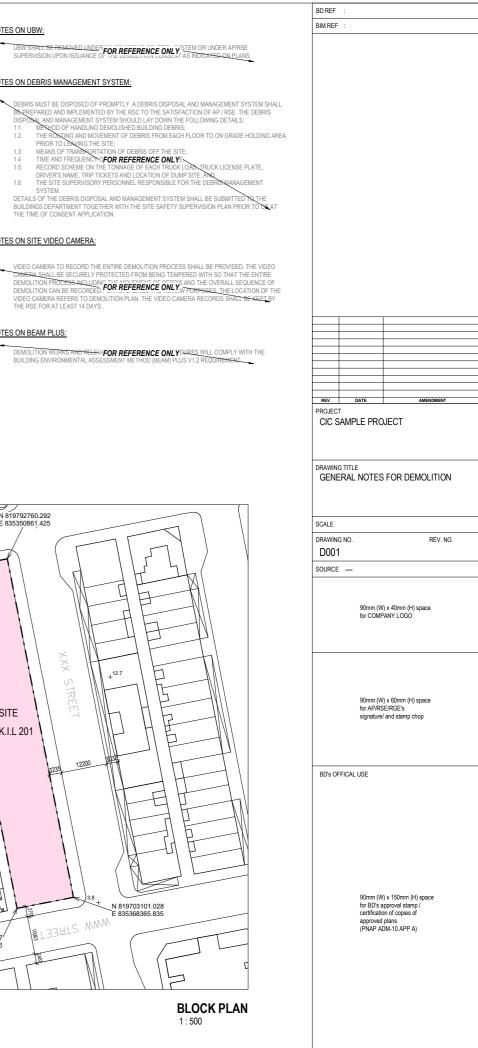
SITE

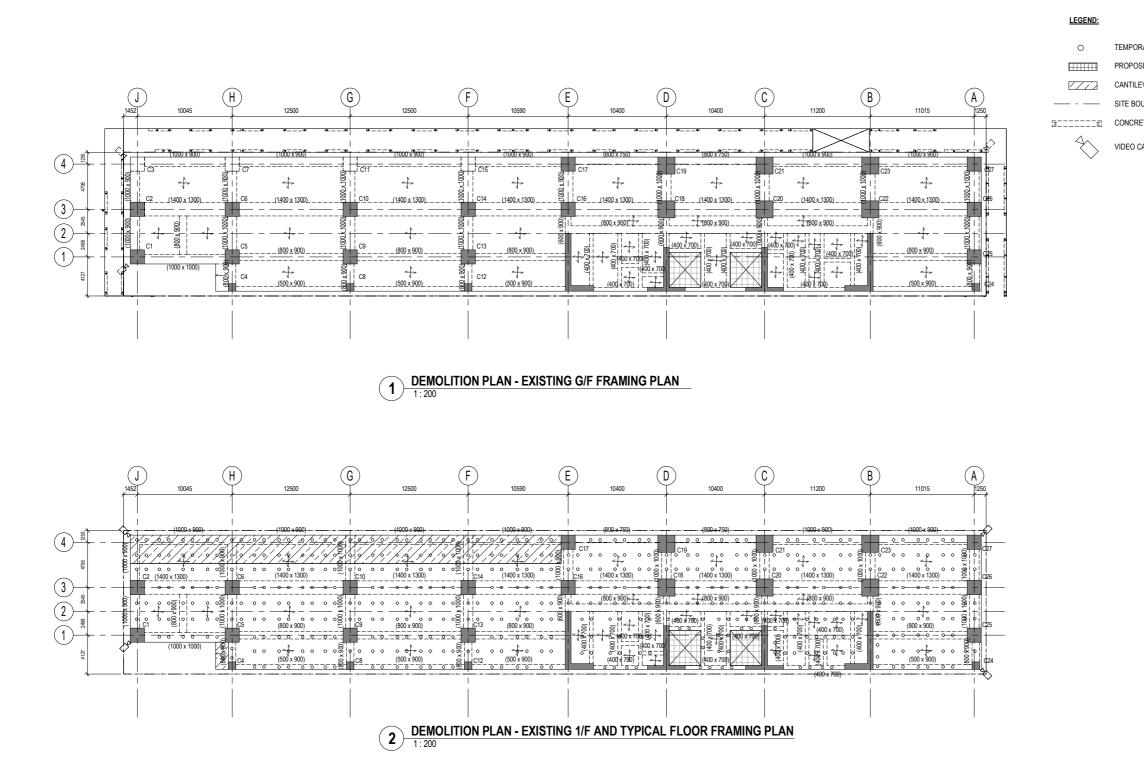
K.I.L 201

+++

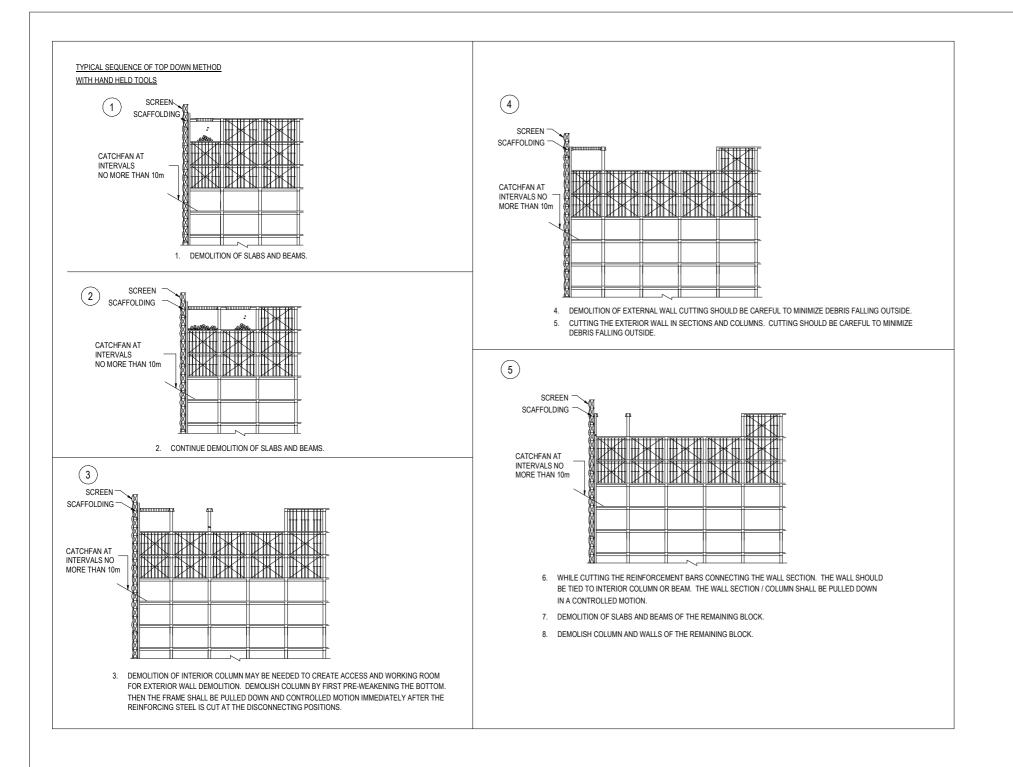
12200

MMM SIBEELS

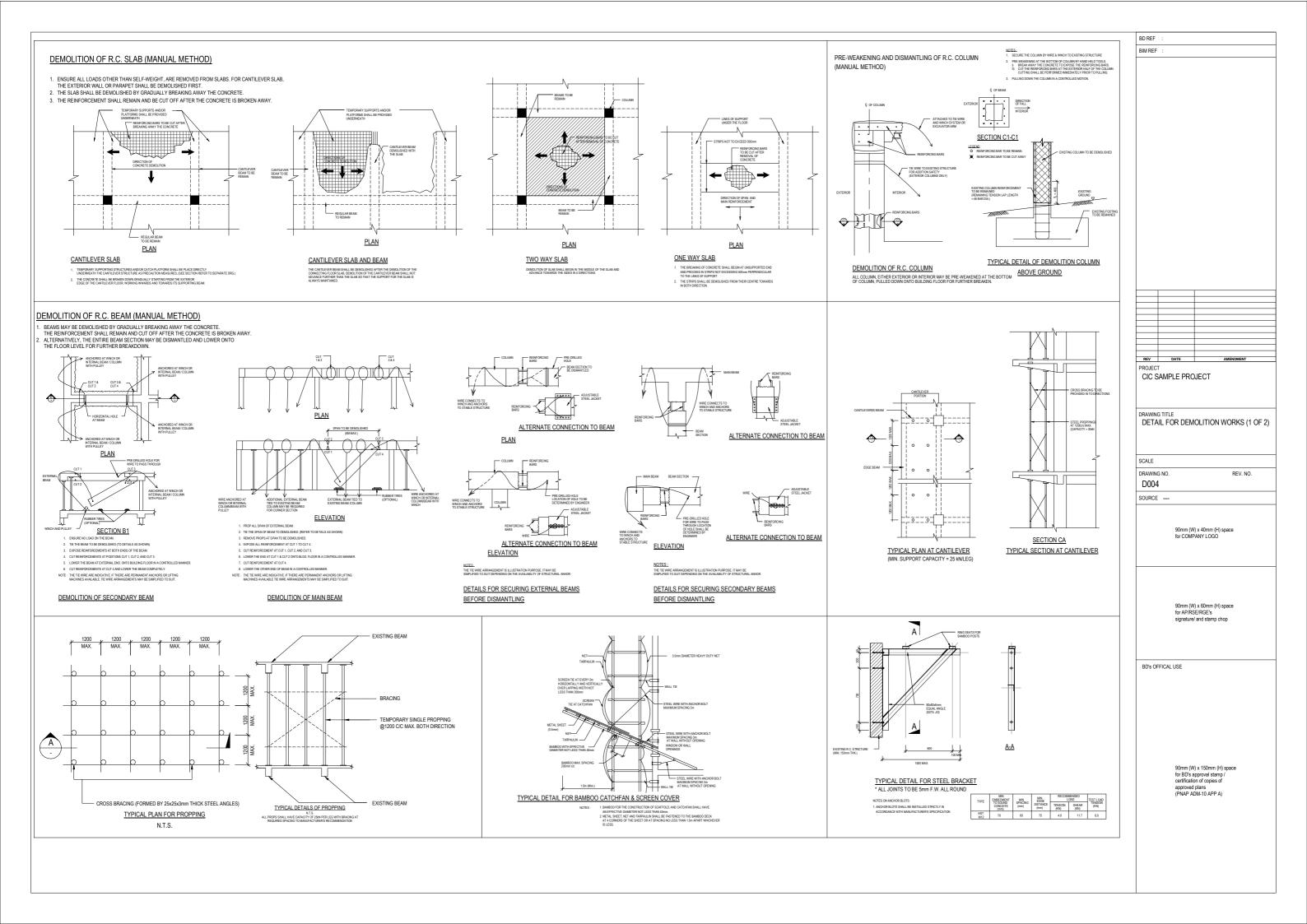


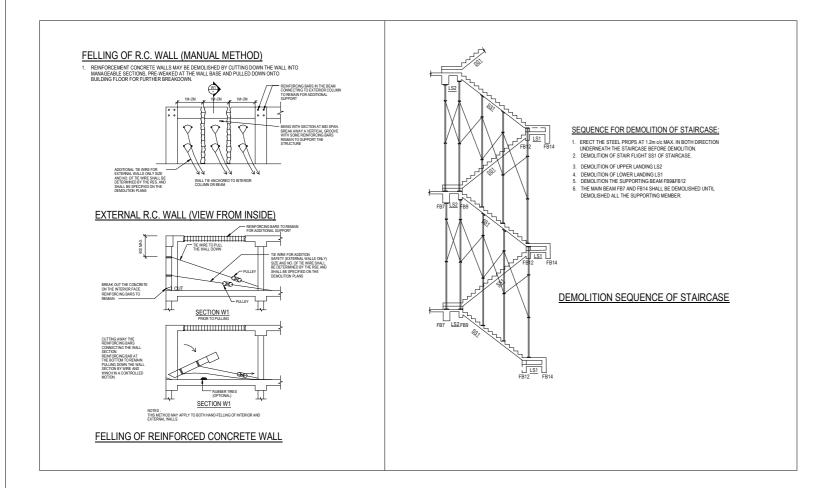


	BD REF		
	BIM REF		
RARY STEEL PROP AT 1200mm c/c UNDER			
SED DEBRIS CHUTE			
EVER STRUCTURE			
UNDARY			
ETE FOOTING			
CAMERA			
	E		
	1	Date 1	Revision 1
	REV	DATE	AMENDMENT
	PROJECT CIC S	AMPLE PRO).IFCT
	DDAMING		
			N - EXISTING G/F, 1/F
		IING PLAN	, -
	SCALE		
	LOVALE		
		AS SHOWN	
	DRAWING	G NO.	REV. NO.
	DRAWING	G NO.	
	DRAWING	G NO.	REV. NO.
	DRAWING	G NO.	REV. NO.
	DRAWING	G NO.	REV. NO. 1
	DRAWING	G NO.	rev. no. 1
	DRAWING	G NO.	REV. NO. 1
	DRAWING	G NO.	REV. NO. 1
	DRAWING	G NO.	REV. NO. 1
	DRAWING	G NO.	REV. NO. 1
	DRAWING	90mm (W for COME	REV. NO. 1
	DRAWING	90mm (W for COMF 90mm (V	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING	90mm (W for COMF 90mm (V	REV. NO. 1) x 40mm (H) space ANY LOGO
	DRAWING	90mm (W for COMF 90mm (V	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING	90mm (W for COMF 90mm (V	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (V	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERCE's
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO. 1
	DRAWING D002 SOURCE	90mm (W for COMF 90mm (W for AP/RS signature FICAL USE	REV. NO. 1 1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space SERGE's / and stamp chop 1) x 150mm (H) space spproval stamp /
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's / and stamp chop) x 150mm (H) space pproval stamp /
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans
	DRAWING D002 SOURCE	90mm (W for COME 90mm (W for AP/RS signature FICAL USE	REV. NO. 1) x 40mm (H) space ANY LOGO () x 60mm (H) space E/RGE's / and stamp chop () x 150mm (H) space pproval stamp / on of copies of pjans



BD REF	:	
BIM REF	:	
	DATE	AMENDMENT
PROJEC	T SAMPLE PRC	
	DLITION DET	AILS (BY HAND HELD
TOOL	DLITION DET	AILS (BY HAND HELD
TOOL	DLITION DET	AILS (BY HAND HELD
TOOL	DLITION DET	TAILS (BY HAND HELD
TOOL	DLITION DET	AILS (BY HAND HELD
TOOL	DLITION DET .S)	
TOOL SCALE DRAWING	DLITION DET S)	AILS (BY HAND HELD
TOOL	DLITION DET S)	
SCALE DRAWING D003	DLITION DET S) S NO.	
TOOL SCALE DRAWING	DLITION DET S) S NO.	
SCALE DRAWING D003	DLITION DET S) S NO.	
SCALE DRAWING D003	DLITION DET S) S NO.	
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W	REV. NO.
SCALE DRAWING D003	DLITION DET S) 3 NO. 3 NO. 90mm (W for COMF	REV. NO.
SCALE DRAWING D003	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
SCALE DRAWING D003	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.
SCALE DRAWING D003	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
SCALE DRAWING D003	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
SCALE DRAWING D003	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
SCALE DRAWING D003	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	DLITION DET S) G NO. 3 90mm (W for COMF 90mm (W for AP/RS	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiin D003 Source	90mm (W for COMF 90mm (W for AP/RS signature	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SERGE's
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF 90mm (W for COMF	REV. NO.
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COME 90mm (W for AP/Rs signature FICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/ROE's (and slamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) G NO. G N	REV. NO. () x 40mm (H) space PANY LOGO () x 60mm (H) space SPRGEs J and stamp chop () x 150mm (H) space spproval stamp / on of copies of
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's (and stamp chop) x 150mm (H) space pproval stamp / on of copies of plans
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO. () x 40mm (H) space PANY LOGO () x 60mm (H) space SPRGEs J and stamp chop () x 150mm (H) space spproval stamp / on of copies of
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiini D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiin D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL scale Drawiin D003 Source	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's / and stamp chop
TOOL SCALE DRAWINI DO03 SOURCE	DLITION DET S) 3 NO. 3 NO. 3 NO. 3 NO. 3 NO. 90mm (W for COMF for COMF for COMF for AP/Rs signature FFICAL USE	REV. NO.) x 40mm (H) space ANY LOGO) x 60mm (H) space SE/RGE's (and stamp chop) x 150mm (H) space pproval stamp / on of copies of plans





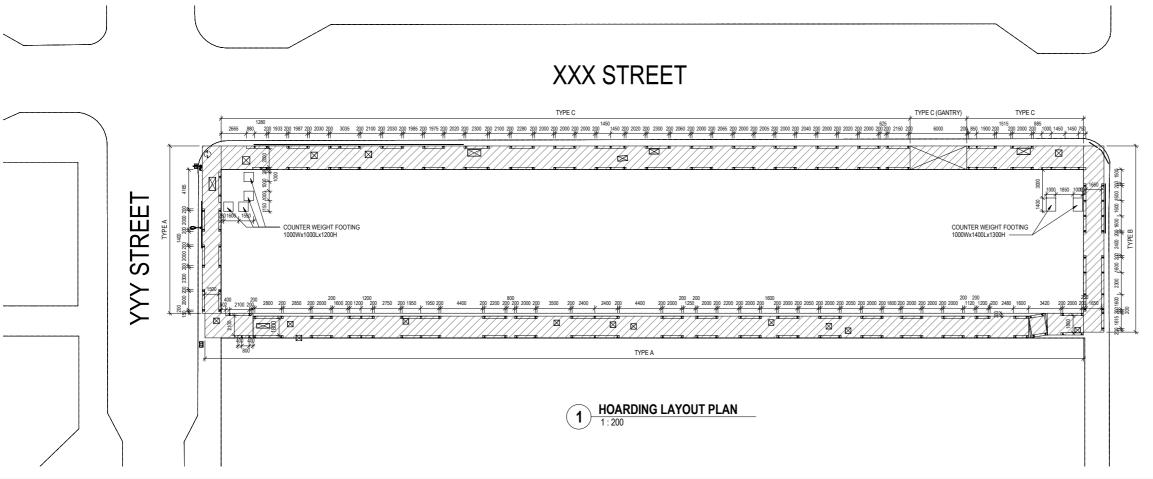
BD REF BIM REF		
DIMITLE		
	DATE	AMENDMENT
PROJEC	T SAMPLE PRO	
SCALE		
DRAWIN	G NO.	REV. NO.
D005	5	
SOURCE		
	90mm (V	V) x 40mm (H) space
	90mm (V for COM	V) x 40mm (H) space PANY LOGO
	90mm (V for COM	V) x 40mm (H) space PANY LOGO
	90mm (V for COM	V) x 40mm (H) space PANY LOGO
	90mm (V for COM	V) x 40mm (H) space PANY LOGO
	90mm (V for COM	V) x 40mm (H) space PANY LOGO
	for COM	PANY LOGO
	for COM	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SERGE's
	for COMf 90mm (V for AP/R	Y) x 60mm (H) space
	for COMf 90mm (V for AP/R	PANY LOGO V) x 60mm (H) space SERGE's
	for COMf 90mm (V for AP/R	V) x 60mm (H) space SERGE's
	for COMf 90mm (V for AP/R	V) x 60mm (H) space SERGE's
BD's Of	for COMf 90mm (V for AP/R	V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	PANY LOGO V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	PANY LOGO V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	PANY LOGO V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	PANY LOGO V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	PANY LOGO V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R signature	PANY LOGO V) x 60mm (H) space SERGE's
BD's Of	90mm (V for AP/R: signature	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE	V) x 60mm (H) space SERGE's e/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	Y) x 60mm (H) space SE/RGE's <i>i</i> and stamp chop Y) x 150mm (H) space approval stamp /
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop
BD's Of	90mm (V for AP/R: signature FICAL USE FICAL USE	V) x 60mm (H) space SE/RGE's 2/ and stamp chop

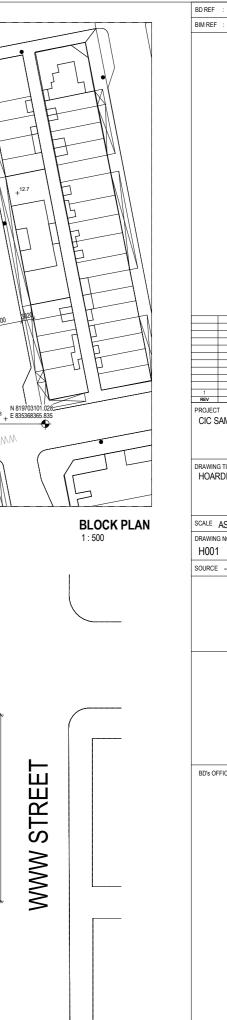
LEGEND:

	PROPOSED COVERED WALKWAY	٥	STREET LIGHT
	PROPOSED GANTRY	0	TRAFFIC LIGHT
I I	CONCRETE FOOTING		PILLAR BOX
	SITE BOUNDARY	\bigcirc	FIRE HYDRANT
\square	MANHOLE		PEDESTRIAN RAILING

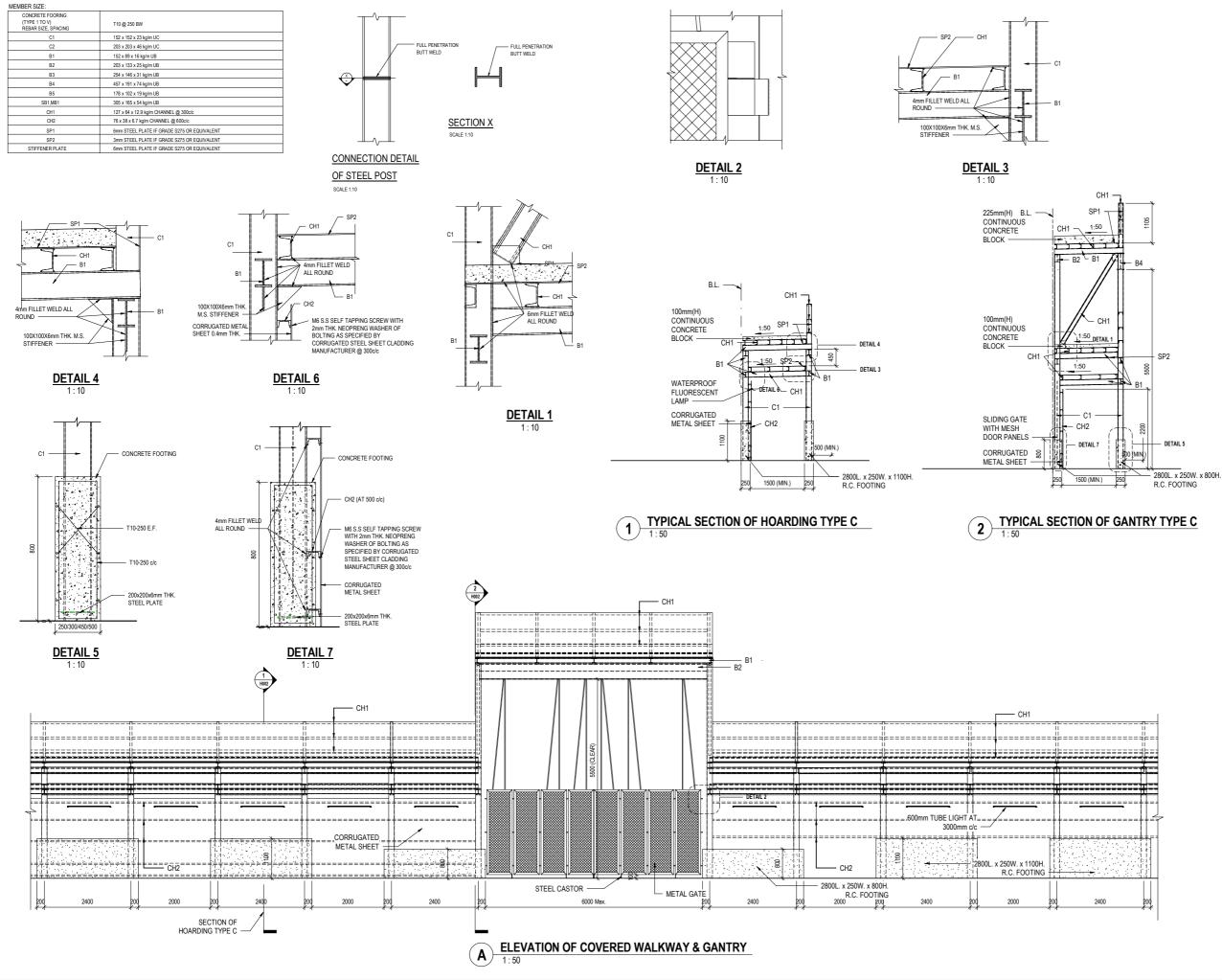
SCHEDULE SHOWING WIDTH OF THE WALKWAY					
STREET/LINE	STREET/LINE ROAD/STREET PAVEMENT CLEAR WIDTH OF WALKWAY				
XXX STREET	18.5 m	2.5 m	2.0 m		
SERVICE LANE	N.A.	2.6 m	1.8 m		
YYY STREET	15.0 m	2.4 m	1.5 m	-	
WWW STREET	15.2 m	2.5 m	1.65 m		

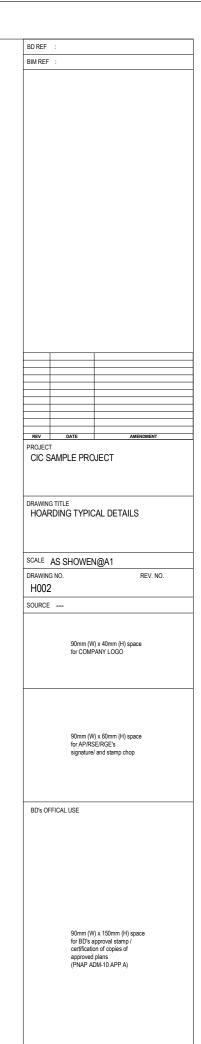






BD REF BIM REF	:	
BIM REF		
	:	
T		
1	Date 1	Revision 1
1 REV	DATE	AMENDMENT
PROJECT		
CIC S/	AMPLE PRO	JECT
DRAWING	TITLE	
	DING LAYO	UT PLAN
00415		
SCALE /	AS SHOWN	@A1
		•
DRAWING		REV. NO.
drawing H001		
H001	NO.	REV. NO.
	NO.	REV. NO.
H001	NO.	REV. NO.
H001	NO.	REV. NO.
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO.
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W	REV. NO. 1
H001	NO. 90mm (W for COMF 90mm (W	REV. NO. 1) x 40mm (H) space ANY LOGO
H001	90mm (M for COMF 90mm (M for AP/R2	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001	90mm (M for COMF 90mm (M for AP/R2	REV. NO. 1) x 40mm (H) space ANY LOGO
H001	90mm (M for COMF 90mm (M for AP/R2	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001	90mm (M for COMF 90mm (M for AP/R2	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001	90mm (M for COMF 90mm (M for AP/R2	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	90mm (M for COMF 90mm (M for AP/R2	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRS signature	REV. NO. 1 /) x 40mm (H) space ANY LOGO /) x 60mm (H) space SERGE's
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APIR3 signature	REV. NO. 1 1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space SERGE's 4 and stamp chop
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APM signature FICAL USE 90mm (M for BD \$ 5	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 60mm (H) space SERGE's / and stamp chop 1) x 150mm (H) space approval stamp /
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APIR; signature FICAL USE 90mm (M for BD's a certificati	REV. NO. 1 1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space SERGE's / and stamp chop 1) x 150mm (H) space approval stamp / on of copies of
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space ANY LOGO 1) x 60mm (H) space SERGE's / and stamp chop 1) x 150mm (H) space approval stamp / on of copies of
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans
H001 SOURCE	NO. 90mm (M for COMF 90mm (M for APRR signature "ICAL USE 90mm (M for BDR signature 90mm (M for CMF	REV. NO. 1 1) x 40mm (H) space PANY LOGO 1) x 50mm (H) space SERGE's 1/ and stamp chop 1) x 150mm (H) space sproval stamp / on of copies of plans





GENERAL NOTES:

- 1. ALL DIMENSIONS ARE IN mm AND LEVELS IN mPD. ALL DESIGN SHALL COMPLY WITH HONG KONG BUILDING (CONSTRUCTION) REGULATION 1990 EDITION AND STRUCTURAL DESIGN OF STEEL IS IN ACCORDANCE WITH THE CODE OF
- EDITION AND STRUCTURAL DESIGN OF STEEL IS IN ACCORDANCE WITH THE CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011. 3. THIS SET OF DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE FOUNDATION PLAN. 4. THE CONTRACTOR SHALL CHECK ALL RELEVANT DRAWINGS AND VERIFY LEVELS AND DIMENSIONS IN ADVANCE OF THE WORK AND WORK AND REPORT ANY DISCREPANCY TO THE ENGINEER IMMEDIATELY. 5. ALL EXCAVATION SHALL BE BACKFILLED TO THE PROPOSED GROUND LEVEL AFTER CONFIGURATION CONTRACTOR CONTENTION OF
- COMPLETION OF FOUNDATION CONSTRUCTION 6. THE CONSTRUCTION SEQUENCE FOR EXCAVATION AND LATERAL SUPPORT, REFER TO DRG, NO, S-FI S-006 TO 007.
- THE INSTALLATION OF SHEET PILE SHALL BE WALL CARRIED OUT TO ACCORDING TO VAL DRAWINGS PRIOR TO THE COMMENCEMENT OF EXCAVATION AND LATERAL SUPPORT WORKS.

NOTES ON CONSTRUCTION MATERIAL

- 1. STRUCTURAL STEEL MEMBERS a. ALL STRUCTURAL STEEL MEMBERS SHALL BE GRADE S355 (CLASS 1) WELDABLE
- STRUCTURAL STEEL AND COMPLY WITH TO BS EN 10025:2004. b. ALL WELDING SHALL COMPLY WITH THE CODE OF PRACTICE FOR STRUCTURAL USE OF
- STEEL 2005, BS EN 1011-1:2009, BS EN 1011-2:2001 & BS EN 499:1995. c. ALL CONNECTIONS SHALL BE 10mm FILLET WELDS ALL ROUNDED UNLESS OTHERWISE
- SPECIFIED d. SAMPLES OF WELDING MATERIALS USED SHALL BE TESTED & TEST RESULTS SHALL BE SAMPLES OF WIELDING MAILEMALS USED STALL BE LESTED & TEST HESOLTS STALL BE SUBMITTED TO REFOR APPROVAL. ALL WORKS, MATERALS AND TESTING SUCH AS TESTING OF STEEL BAR SHALL COMPLY WITH GENERAL SPECIFICATION FOR CIVIL ENCINEER WORKS 1922 EDITION AND HONG KONG BUILDING(CONSTRUCTION) REGULATION 1990 EDITION UNLESS OTHERWISE STATED IN THE DRAWING.

NOTES FOR EXCAVATION AND LATERAL SUPPORT (ELS) WORKS (TEMPORARY) 1. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE ERECTION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY WORKS DURING CONSTRUCTION.

NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING FOUNDATIONS

- NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING FOUNDATIONS, DRAINS, PAVEMENTS, FERTURES, SERVICES ETC. SHOLD ANY DAMAGE OCCUR, NOTIFY THE ARCHITECT AND RELEVANT AUTHORITIES CONCERNED IMMEDIATELY AND MAKE GOOD BY THE CONTRACTOR AT NO EXTRA COST AND NO EXTENSION OF TIME. ALL TEMPORATY WORKS SHALL BE WITHIN THE SITE BOUNDARY. DURING SUBSTRUCTURE CONSTRUCTION, THE GROUNDWATER LEVEL SHALL BE KEPT BELOW THE INNU FOOMTOONLEVE!
- FINAL FORMATION LEVEL.
- FINAL FORMATION LEVEL. 5. THE CONTRACTOR SHALL INCREASE THE FREQUENCY OF MONITORING AS INSTRUCTED BY THE ENGINEER SHOULD ANY UNDUE GROUND MOVEMENT BE OBSERVED. 6. MAX. ANGLE FOR TEMPORARY SOIL CUT SLOPE SHALL BE REFERRED TO PLANS AND SECTIONS, BUT IN NO CIRCUMSTANCE BE GREATER THAN 202IN MD LAYER

NOTES ON STRUCTURAL STEELWORK

- 1. ALL STRUCTURAL STEELWORK SHALL BE COMPLED WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011 2. ALL LEVEL SHOWN ARE IN METERS AND OTHER DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS
- RWISE STATED 3. ALL STRUCTURAL STEEL SECTION SHALL BE WELDABLE STRUCTURAL STEEL TO BS EN 10025:2004
- ALL STROUGHAL STEEL SECTION SHALL BE V UNLESS OTHERWISE NOTED.
 DESIGN SURCHARGE:

 BACK SERVICE LANE (2.0m WIDE): 10kPa

- RECLAMATION STREET (9.0m WIDE) : 20kPa FOOTPATH ALONG RECLAMATION STREET (2.0m WIDE) : 5kPa BEARING PRESSURE AT HOARDING FOOTPATH (0.45m WIDE) : 20kPa
- D.L. & L.L. OF EXISTING BUILDING VIA PILING SYSTEM : (REFER TO RECORD PLAN) DATUM FOR SURCHARGE AT
- 2/3 OF THE LENGTH OF PILE MEASURED FROM GROUND LEVEL f) LIVE LOAD FOR EACH LAYER OF WALING/ STRUT : 2kPa

NOTES ON WELDING

- 1. THE CONTRACTOR SHALL SUBMIT TO AP/ RSE HIS PROPOSED PROCEDURE FOR WELDING. WELDING PROCEDURE WILL BE TESTED IN ACCORDANCE WITH
- FOR WELDING. WELDING PROCEDURE WILL BE TESTED IN ACCORDANCE WITH BS EN ISO 15614-12008. 2. THE CONTRACTOR SHALL ONLY USE QUALIFIED WELDERS WHO HAVE DEMONSTRATED THEIR COMPETENCE IN WELDING TO THE AGREED PROCEDURE. EACH WELDER WILL BE TESTED AS DESCRIBED IN BS EN 287-1204. 3. ALL WELDS SHALL MEET THE ACCEPTANCE CRITERIA LAID DOWN IN BS EN 1011-12009 ADD CRUMUND CODING.
- & BS EN 1011-2:2001. UPON REQUESTED BY THE ARCHITECT WELDS WILL BE TESTED BY RADIOGRAPHIC

- 4. UPON REQUESTED BY THE ARCHITECT WELDS WILL BE TESTED BY/RADIOGRAPHIC EXAMINATION TO BS EN 1714-1998
 5. UNLESS OTHERWISE APPROVED, ALL SPLICES TO BE CONTINUOUS FULL-STRENGTH FULL PENETRATION BUTT WELDS.
 6. UNLESS OTHERWISE APPROVED, ALL SPLICES TO BE CONTINUOUS FULL-STRENGTH FULL PENETRATION BUTT WELDS.
 6. UNLESS OTHERWISE STATED, ALL FILLET WELDS SHALL BE 8mm ALL ROUND.
 7. ALL IMPROPER MATERIALS (e.g. SLAG, DIRT, IRREGULAR/TIES, OIL etc.) TO BE REMOVED FROM JOINTS PRIOR TO WELDING.
 8. ALL WELDING SHALL COMPLY WITH BS EN 1011, P.T./12009, P.T. 22001.
 9. SAMPLES OF ALL MATERIALS (USED SHALL BE TESTED & TESTIN SSUCH AS TESTING OF STEEL BAR SHALL COMPLY WITH GENERAL SPECIFICATION FOR CIVIL ENGINEER WORKS 1992 EDITION AND HONG KONG BUILDING (CONSTRUCTION REGULATION UNLESS OTHERWISE STATED IN
- HONG KONG BUILDING (CONSTRUCTION) REGULATION UNLESS OTHERWISE STATED IN THE DRAWING.

NOTES ON SITE SUPERVISION

THE TCP T5 SITE SUPERVISION PERSONNEL UNDER THE RGE'S STREAM SHALL SUBMIT REGULAR REPORTS OF HER/HIS/THEIR FINDINGS AND RECOMMENDATIONS TO THE RGE. THE RGE SHALL FORMALLY SUBMIT/THESE REPORTS TO THE BD AND PROVIDE A COPY TO THE GEO AT MONTHLY INTERVALS OR MORE FROM TO THE DD AND HAVING A CON-GEO AT MONTHLY INTERVALS OR MORE FROEUENTLY AS NECESSARY TYPICAL CONTENTS OF THE REGULAR REPORTS PREPARED BY THE TCP T5 SITE SUPERVISION PERSONNEL INCLUDE THE FOLLOWING:

(1) PROGRESS OF THE WORKS (2) RESULTS OF MONITORING DURING CONSTRUCTION (3) SITE OBSERVATIONS (4) INSPECTION RECORDS (5) REVIEW

STANDARD FOR FILLING WORK

- 1. FILL MATERIAL SHALL BE GRADED, CONTAINING NO PARTICLES COARSER THAN 200mm AND THE PERCENTAGE BY MASS PASSING 75mm BS TEST SIEVE SHALL BE 75% TO
- 2 THE IN SITU FIELD DRY DENSITIES OF COMPACTED MATERIALS FORMING THE
- THE IN SITU FIELD DRY DENSITIES OF COMPACTED MATERIALS FORMING THE EARTH FILL SLOPE SHALL BE NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY DESCRIBED IN ITEM (2) BELOW. THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENTS SHALL BE DETERMINED IN ACCORDANCE WITH THE STANDARD GIVEN IN GEO SPEC 3 CLAUSE 10.1 & 10.2. EACH SOIL TYPE SHALL BE TESTED WHEN FIRST USED THEREAFTER AT THE SAME TIME AS EVERY SET OF FIELD DENSITY TESTS DEC OPTIMUE DECORDE SAVEL BE KERT IDENTIFYING CON DEMNINGS THE ARE OBTAINED. RECORDS SHALL BE KEPT, IDENTIFYING ON DRAWINGS THE SOIL TYPE, PLAN LOCATION AND ELEVATION REFERENCE TO PRINCIPAL DATUM OF EACH TEST TOGETHER WITH THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENTS. GRAPHS OF DRY DENSITY VS MOISTURE CONTENTS.
- MOISTURE CONTENTS. GRAPHS OF DRY DENSITY VS. MOISTURE CONTENTS, LABORATORY TEST RECORD SHEETS AND A COMPLETE SOIL DESCRIPTION ARE TO BE KEPT IN A COMPANION FOLDER. THE IN SITU FIELD DENSITY AND MOISTURE CONTENTS SHALL BE DETERMINED IN ACCORDANCE WITH THE STANDARG DIVEN IN GEO SPEC 3 CLAUSE 11.1 & PNAP 55 TO DETERMINE THE RELATIVE COMPACTION ACHIEVED. THE IN MODIFIC DETERMINES THE RELATIVE COMPACTION ACHIEVED. THE NUMBER OF DETERMINATIONS FOR EACH BATCH OF FILL MATERIAL SHALL BE AS STATED IN TABLE 1 BELOW. RECORDS SHALL BE KEPT, IDENTIFYING ON DRAWINGS THE SOIL TYPE. PLAN LOCATION AND ELEVATION REFERENCE TO PRINCIPAL DATUM OF EACH TEST TOGETHER WITH DRY DENSITY OF SOIL TESTED. PRINCIPAL DATUM OF EACH TEST TOGETHER WITH DRY DENSITY OF SOIL TESTEE MOISTURE CONTENTS AND RELATIVE COMPACTION ACHIEVED (%). THE FIELD SHEETS, CALCULATION SHEETS AND A COMPLETE SOIL DESCRIPTION ARE TO BE KEPT IN A COMPANION FOLDER. 5. ALL TEST SHALL BE CARRIED OUT BY OR UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER, OR BY AN INDEPENDENT TESTING AGENCY.

NOTES ON PROTECTION OF EARTHWORKS AGAINST HEAVY RAINFALL

SURFACE WATER FLOWING INTO AND OUT OF THE SITE SHALL BE INTERCEPTED AND CONDUCTED FROM THE SITE TO AN INDICATED SAFE DISCHARGE POINT. AT EACH INTERSECTION AND ABRUPT CHANGE IN DIRECTION OF SURFACE DRAINAGE, CHANNELS AND ACCESSIBLE CATCH PIT SHALL BE PROVIDED. ALL DRAINAGE WORKS SHALL BE KEPT CLEAR OF DEBRIS.

- WHERE PARTIALLY COMPLETED DRAINAGE WORKS DISCHARGE WORKS DISCHARGE WITHIN
- Where PARTIALLY COMPLETED DRAINAGE WORKS DISCHARGE WORKS DISCHARGE THE STRE, A TEMPORARY CONDUIT SHALL BE PROVIDED TO THE DISCHARGE POINT.
 DURING EXCAVATION, A METHOD OF WORKING SHALL BE ADOPTED IN WHICH THE MINIMUM ANOUNT OF BARE SOLL IS EXPOSED AT ANY TIME EXCAVATION TO FORM THE FINAL FACE SHALL BE FOLLOWED UP IMMEDIATELY WITH TO FORM THE FINAL FACE SHALL BE FOLLOWED UP IMMEDIATELY WITH
- SURFACE PROTECTION AND DRAINAGE WORKS AND THE FACE PANEL SIZE SHALL BE SMALL ENOUGH TO PERMIT THIS. WHERE TEMPORARY BARE EARTH SLOPE FACES ARE UNAVOIDABLE, THEY SHALL BE PROTECTED WITH HEAVY DUTY SHEETING ADEQUATELY SECURED
- SHALL BE PROTECTED WITH HEAVT DUTY SHEELING AUEQUATELY SECURED AT THE EDGES, SEALED AT THE CREST, AND LAPPED AT JOINTS, WHERE SLOPE FACES ARE TO BE TEMPORARILY EXPOSED FOR MORE THAN TWO WEEKS, TEMPORARY DRAINS SHALL BE INSTALLED IN ADDITION TO SURFACING. TRENCHES OWOR ADJACENT TO SLOPES SHALL BE EXCANATED WITH EXTREME CARE IN SHORT SECTIONS AT A TIME. PRECAUTIONS SHALL ALWAYS BE TAKEN TO PREVENT WATER ENTERING AND CONNECTING IN THE TEMPORE
 - IN THE TRENCHES.

- FOR REFERENCE ONLY NOTES ON SHEET PILING

STEEL SHEET PILES TO COMPLY WITH BS EN 1993-5 2007 GRADE S355.

- STEEL SHEET PILES TO COMPLY WITH BS EN 1993-5 2007 GRADE \$355.
 UPON COMPLETION OF INSTALLING SHEET PILES WALLS, RECORD PLAN FOR SHEET PILES SHALL BE SUBMITTED TO THE BUILDING AUTHORITY VIA THE R.S.E. FOR CONSENT APPLICATION.
 IN CASE ROCK OR OBSTRUCTION DUE TO BOULDER OR CORESTONE IS ENCOUNTERED, PREBORING SHOULD BE CARRIED OUT.
 TOLERANCE THE MAXIMUM PERMISSIBLE DEVIATION FROM THE VERTICAL AT ANY LEVEL OF A ENDER DIR LIFE 10 FEW

- OF A FINISHED PILE IS 1 IN 75. THE SHEET PILE IS T IN 75.
 THE SHEET PILE WALLS SHALL BE INSTALLED BY PRESS-IN, NO VIBRO DRAWING IS ALLOWED DURING INSTALLATION.

NOTES ON EXISTING SERVICES, UTILITIES AND STRUCTURES

- . BEFORE CONSTRUCTION COMMENCES, THE CONTRACTOR SHALL CONSULT THE VARIOUS SERVICES AND UTILITY AUTHORITIES FOR THE EXTENT OF WORKS TO BE CARRIED OUT. THE CONTRACTOR SHALL EXERCISE DUE CARE DURING THE WORKS ON SITE TO AVOID CAUSING DAMAGE TO ADJACENT STRUCTURES PAVETMENT, UTILITIES/SERVICES, PRIVATE
- AND GOVERNMENT PROPERTIES.
- 3. SHOULD ANY DAMAGE OCCUR TO THE ADJACENT STRUCTURES, PAVEMENT UTILITIES/SERVICES.
- PRIVATE AND GOVERNMENT PROPERTIES DUE TO THE CONTRACTOR'S WORKS. THE PAVALE AND OUVERMENT FOR SPONSILES DOE TO THE CONTINUE OF NOT NOT WORKS, THE CONTRACTOR SHALL BE RESPONSILE FOR ANY COST INCURRED FROM THE DAMAGE THE CONTRACTOR SHALL REPAIR, REINSTATE AND MAKE GOOD ANY DAMAGE DUE TO THE CONTRACTOR'S WORKS TO THEIR ORIGINAL CONDITIONS OR TO THE SATISFACTION OF THE CM, UNLESS OTTERWISE SPECIFIED.

PRECAUTIONARY MEASURES TO PREVENT THE OCCURRENCE OF OVER BREAK DURING PREBORING

- A PROCEDURE SHALL BE CARRIED OUT TO MONITOR THE CONDITION OF OVER BREAK. IF THE DRILL BIT IS FOUND NOT TO PROPAGATE AFTER A CONSIDERABLE AMOUNT OF DRILLING, THE OPERATOR OF THE DRILLING RIG SHALL STOP THE DRILLING PROCESS AND INFORM THE ENGINEER IMMEDIATELY. THE RGE/RSE SHALL REVIEW THE GEOLOGY OF THE SPECIFIC LOCATION. PROPOSAL TO LIMIT ANY OVER BREAK OF SOIL SHALL BE SUBMITTED TO AND AGREED BY THE RSE/RGE PRIOR TO
- BREAK OF SOIL SHALL BE SUBMITTED TO AND AGREED BY THE RSE/RGE PRIOR TO ANY FURTHER DRILLING WORKS MAY COMMENCE. SHOULD ANY UNDUE OVER BREAK OF SOIL OBSERVED DURING THE DRILLING OPERATIONS, THE DRILLING AT THAT LOCATION SHOULD BE STOPPED AND THE RSE SHALL BE INFORM IMMEDIATELY. THE MONITORING DATA AND METHOD OF PREBORING SHALL BE REVIEWED. PROPOSAL TO LIMIT ANY FURTHER OVER BREAK OF SOIL SHALL BE SUBMITTED AND AGREED WITH RSE PRIOR TO ANY FURTHER DRILLING WORKS MAY COMMENCE. DRILLING WORKS MAY COMMENCE

PRECAUTIONARY MEASURES FOR PREBORING METHOD

- . (a) THE AMOUNT OF AIR SUPPLY TO LIMIT THE PRESSURE OF DRILLINGS SHOULD BE MONITORED. (b) THE ADVANCEMENT RATE OF DRILL BIT SHOULD BE MONITORED DURING THE BORING.
- THE OVERBREAK SHOULD NOT BE ALLOWED.
 THE DRILL BIT SHOULD BE ADVANCED SIMUTANOUSLY WITH THE STEEL CASING.

DEPROPPING SEQUENCE OF STRUTS

ALL STRUT SHALL NOT BE REMOVED UNTIL CONSTRUCTION UP TO THE GROUND FLOOR OF THE SUPERSTRUCTURE HAS BEEN COMPLETED AND THE REQUIRED 28-DAY CONCRETE

- OF THE SUPERSTRUCTURE HAS BEEN COMPLETED AND THE REQUIRED 28-DAY CONCI STRENGTH HAS BEEN ACHIEVED. STAGE 1: CAST PILE CAPS, STRAP/ GROUND BEAM (UNDER SEPARATE SUBMISSION) STAGE 2: CAST BASEMENT WALL, COLUMN, WALL BEAM & SLAB OF 51/F & GF (UNDER SEPARATE SUBMISSION) STAGE 3: REMOVE ALL STRUTS WHEN GIF SLAB AND BASEMENT WALL ACHIEVE
- 28 DAYS OF STREMGTH

ARE TO BE PRESSED IN FREE OF OBSTRUCTIONS TO ACHIEVE THE REQUIRED TO

- EVELS SPECIFIED. THE CONTRACTOR SHALL SUBMIT A DETAILED METHOD STATEMENT TOGETHER WITH THE CONTRACTOR STALLS SOBILIT A DE TAILED METHOD STATEMENT TOGETHER WITH THE PLANT NO EQUIPMENT FOR PRE-BORING PAP, RS& RGE FOR APPROVAL BÉFORE COMMENCEMENT OF WORKS. THE PROPOSED METHOD AND SEQUENCE OF RRE-BORING SHALL BE ARRANGED SO AS TO MINIMIZE THE CONSTRUCTION NOISE AUTOMIC PROPOND DURING PRE-BORING.
- SHALL ANY UNDUE SETTLEMENT OCCUR DUE TO PRE-BORING, THE CONTRACTOR SHALL SUBMIT A REMEDIAL PROPOSAL FOR THE APPROVAL OF THE RSE TO PREVENT FURTHER UNDUE SETTLEMENT PRIOR TO THE RE-COMMENCEMENT OF THE
- PRE-BORING WORKS THE CONTRACTOR SHALL KEEP RECORD OF EACH PRE-BORED HOLES FOR ENGINEER INSPECTION

SOIL PARAMETER

SOIL PARAMETER				
Ø' (DEGREE) C' (kpa)				
FILL	1			
MD	33	1		
ALL.	32	2		
CDG	34	5		

NOTES ON PRE-BORING FOR INSTALLATION OF SHEET PILES

ANY DIRECTION SHALL BE LESS THAN 1:100. c) DRILL 250mm MINIMUM DIAMETER HOLES FROM EXISTING GROUND

THE PRE-BORED HOLES/SHALL BE SUNK ALONG THE ALIGNMENT OF THE SHEET PILE

WALL USING SYMME HAX DRILLING ME HAD. THE PRE-BORED HOLES SHALL BE SUPPORTED BY TEMPORARY STEEL CASING ALONG THE FULL DEPTH OF THE EXCAVATION. THE PRE-BORED HOLES SHALL BE DRILLED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS: / a) DEVIATION FROM THE CORRECT LINE FOR THE LOCATION NOT GREATER THAN 20mm. b) DEVIATION FROM VERTICALITY OF INDIVIDUAL PRE-BORED HOLES IN ANY DIPECTION SHAM DE LESS THAN 1-00

WALL USING SYMMETRIX DRILLING METHOD. THE PRE-BORED HOLES SHALL BE

LEVEL TO THE REQUIRED LEVEL BY SYMMETRIX DRILLING METHOD. AFTER DRILLING THROUGH TO THE REQUIRED DEPTH OF OBSTRUCTIONS THE

AFTER DRILLING THROUGH TO THE REQUIRED DEPTH OF OBSTRUCTIONS THE INTERIOR OF ACH CASING SHALL BE FILLED WITH APPROVED GRANULAR BACKFILL MATERIAL SMALL BE TOPPED UP IMMEDIATELY. UPON COMPLETION SHEET PILLE WALL SHALL BE INSTALLED TO THE REQUIRED TOE LEVEL BY THE METHOD APPROVED BY THE RES. THROUGH A GUIDE FRAME AT GROUND LEVEL TO ENSURE PROPER PITCHING, VERTICALITY AND ALIGNMENT OF

SHEET PLE WALL NO WITH STANDING THE ABOVE-MENTIONED MINIMUM PRE-BORING REQUIREMENTS,

IT IS THE CONTRACOTR'S RESPONSIBILITY TO PROVIDE ANY ADDITIONAL PRE-BORING OR ALTERNATIVE MEASURES TO ENSURE THAT ALL SHEET PILE WALLS

SCHEDULE OF VERTICAL TIE

SCHEDULE OF VERTICAL TIE					
ITEM MEMBER MARK GRADE MEMBER SIZE					
VERTICAL TIE D4 S355 UBP356x368x174					

SCHEDULE OF HORIZONTAL TIE

SCHEDULE OF HORIZONTAL TIE				
ITEM MEMBER MARK GRADE MEMBER SIZ				
TIE	T1	S355	UC203x203x46	

SCHEDULE OF MAIN STRUT

		SCHEDULE (OF MAIN STRUT	r	
PILE TYPE	LAYER	WALING MEMBER SIZE	STRUT LEVEL (mPD)	HORIZONTAL LOAD (kN/m)	DESIGN LOAD FOR STRUT (kN)
A	1	203X203X46 kg/m UC	+3.1	86	569
A	2	305X305X97 kg/m UC	+1.6	130	860
A	3	356X368X177 kg/m UC	+0.1	251	1661
A	4	356X368X177 kg/m UC	-1.4	452	2990
A	5	356X368X202 kg/m UC	-2.9	640	4234
A	6	356X406X235 kg/m UC	-4.4	824	5451
A	7	356X406X287 kg/m UC	-5.9	805	5326
A	8	356X406X287 kg/m UC	-7.4	961	6358
В	1	203X203X46 kg/m UC	+3.1	156	1032
В	2	356X368X177 kg/m UC	+0.1	410	2713
В	3	356X368X177 kg/m UC	-2.9	411	2719
В	4	356X368X202 kg/m UC	-4.4	600	3969
В	5	356X368X202 kg/m UC	-5.9	623	4122
В	6	356X406X235 kg/m UC	-7.4	528	3493
C	1	203X203X46 kg/m UC	+3.1	130	860
С	2	356X368X177 kg/m UC	+0.1	420	2779
С	3	356X368X202 kg/m UC	-2.9	673	4452
С	4	356X406X287 kg/m UC	-5.9	1032	6827

SCHEDULE OF WALING

SCHEDULE OF WAILING										
PILE	LAYER	WAI ING MEMBER SIZE	COMPRESSION (KN)	SHEAR (kN)	MOMENT (kNm)					
TYPE	LATER	WALING MEMBER SIZE	=1.4*Fh* (1.414*3.15)	=1.4*Fh* (0.6*3.15)	=1.4*Fh* (3.15*2/9)					
A	1	533X210X92 kg/m UB	531	228	100					
A	2	533X210X92 kg/m UB	803	344	151					
A	3	610X305X179 kg/m UB	1550	665	291					
A	4	610X305X179 kg/m UB	2791	1196	524					
A	5	610X305X238 kg/m UB	3952	1694	741					
A	6	610X305X238 kg/m UB	5088	2181	954					
A	7	610X305X238 kg/m UB	4971	2131	932					
Α	8	914X305X289 kg/m UB	5934	2543	1113					
AA	1	533X210X92 kg/m UB	464	199	87					
AA	2	533X210X92 kg/m UB	1186	509	223					
AA	3	610X305X179 kg/m UB	1760	755	330					
AA	4	610X305X238 kg/m UB	3020	1294	567					
AA	5	610X305X238 kg/m UB	3662	1570	687					
AA	6	610X305X238 kg/m UB	3705	1588	695					
AA	7	610X305X238 kg/m UB	3884	1665	729					
В	1	533X210X92 kg/m UB	964	413	181					
В	2	610X305X179 kg/m UB	2532	1085	475					
В	3	610X305X179 kg/m UB	2538	1088	476					
В	4	610X305X238 kg/m UB	3705	1588	695					
В	5	610X305X238 kg/m UB	3847	1649	722					
В	6	610X305X238 kg/m UB	3260	1398	612					
С	1	533X210X92 kg/m UB	803	344	151					
С	2	610X305X179 kg/m UB	2594	1112	487					
С	3	610X305X238 kg/m UB	4156	1781	780					
С	4	914X305X289 kg/m UB	6372	2731	1195					

SECTION PROPERTIES OF WAILING

SECTION PROPERTIES OF WAILING										
		SECTION AREA	MOMENT OF INERTIA	WEIGHT	SECTION MODULUS	DEPTH D	WIDTH B	WEB THICKNESS t	FLANGE THICKNESS T	
ITEM	GRADE	(cm²)	(cm4)	(kg/m)	(cm ³)	(mm)	(mm)	(mm)	(mm)	
533X210X92 kg/m UB	S355	117	55200	92	2070	533.1	209.3	10.1	15.6	
610X305X179 kg/m UB	S355	228	153000	179	4930	620.2	307.1	14.1	23.6	
610X305X238 kg/m UB	S355	303	209000	238	6590	635.8	311.4	18.4	31.4	
914X305X289 kg/m UB	S355	368	504000	289	10900	926.6	307.7	19.5	32.0	

SECTION PROPERTIES OF STRUTS

SECTION PROPERTIES OF STRUTS											
		SECTION AREA	MOMENT OF	WEICHT	SECTION	DEPTH D	WIDTH B	WEB THICKNESS t	FLANGE		
ITEM	GRADE	(cm ²)	INERTIA (cm4)	WEIGHT (kg/m)	MODULUS (cm ³)	(mm)	(mm)	(mm)	THICKNESS T (mm)		
203X203X46 kg/m UC	S355	58.7	4570	46	450	203.2	203.6	7.2	11.0		
305X305X97 kg/m UC	S355	123	22200	97	1450	307.9	305.3	9.9	15.4		
356X368X177 kg/m UC	S355	226	57100	177	3100	368.2	372.6	14.4	23.8		
356X368X202 kg/m UC	S355	257	66300	202	3540	374.6	374.7	16.5	27.0		
356X406X235 kg/m UC	S355	299	79100	235	4150	381.0	394.8	18.4	30.2		
356X406X287 kg/m UC	S355	366	99900	287	5070	393.6	399.0	22.6	36.5		

SECTION PROPERTIES OF SHORT STRUT / SPACER

SECTION PROPERTIES OF SHORT STRUT / SPACER									
ITEM	GRADE	SECTION AREA	MOMENT OF INERTIA (cm4)	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
152x89x24 kg/m CH	S355	30.4	1168	23.87	153	152.4	88.9	7.1	11.6

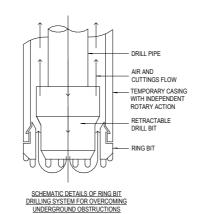
SECTION PROPERTIES OF TIE

В

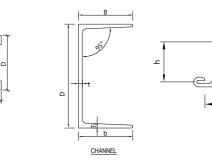
UBP & UC

SECTION PROPERTIES OF HORIZONTAL TIE									
		SECTION AREA		WEIGHT	SECTION MODULUS	DE			
ITEM	GRADE	(cm²)	(cm4)	(kg/m)	(cm ³)	(
203X203X46 kg/m UC	S355	58.7	4570	46	450	2			

SECTION PROPERTIES OF VERTICAL TIE								
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DE (
356X368X174 kg/m UBP	S355	221	51000	173.9	2820	3		



NTS



ECO	ONDARY STRUT AND CO	RNER STRUT
	STRUT MEMBER SIZE	STRUT LEVEL (mPD)
	203X203X46 kg/m UC	+3.1
	356X368X202 kg/m UC	+1.6
	356X368X202 kg/m UC	+0.1
	356X368X202 kg/m UC	-1.4
	356X406X235 kg/m UC	-2.9
	356X406X235 kg/m UC	-4.4
	356X406X235 kg/m UC	-5.9
	356X406X235 kg/m UC	-7.4
	203X203X46 kg/m UC	+3.1
	356X368X202 kg/m UC	+1.6
	356X368X202 kg/m UC	+0.1
	356X368X202 kg/m UC	-1.4
	356X406X235 kg/m UC	-2.9
	356X406X235 kg/m UC	-4.4
	356X406X235 kg/m UC	-5.9
	203X203X46 kg/m UC	+3.1
	356X368X202 kg/m UC	+0.1
	356X368X202 kg/m UC	-2.9
	356X406X235 kg/m UC	-4.4
	356X406X235 kg/m UC	-5.9
	356X406X235 kg/m UC	-7.4
	203X203X46 kg/m UC	+3.1
	356X368X177 kg/m UC	+0.1
	356X368X177 kg/m UC	-2.9
	356X368X202 kg/m UC	-5.9

SCHEDULE OF SE

SCHEDULE OF S

PILE TYPE LAYE

 A
 5

 A
 6

 A
 7

 A
 8

 AA
 1

 AA
 2

 AA
 3

 AA
 4

 AA
 5

 AA
 6

 AA
 7

 B
 1

 B
 1

 B
 3

 B
 4

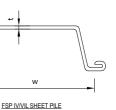
 B
 3

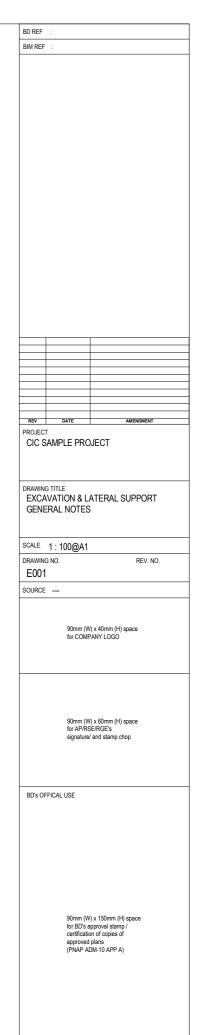
 B
 4

 B
 5

A

PTH D	WIDTH B	WEB THICKNESS t	FLANGE THICKNESS T
mm) 03.2	(mm) 203.6	(mm)	(mm)
UJ.Z	203.0	7.2	11.0
PTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
61.4	378.5	20.3	20.4







- BH1, BH1(P) EXISTING BOREHOLE PROPOSED SHEET PILE PROPOSED SHORT STRUT 4.5 EXISTING LEVEL 7 PROPOSED MAX. 30° OPEN CUT SLOPE

SITE BOUNDARY

SHEET PILE SCHEDULE										
SHEET PILE TYPE	MEMBER SIZE	TOE LEVEL (mPD)	MAX RETAINING HEIGHT (m)	FINAL EXCAVATION LEVEL (mPD)	MIN EMBEDMENT LENGTH (m)	GRADE				
A	FSP-VIL (BOX TYPE)	-23.000	12.675	-10.325	14.225	S275				
AA	FSP-VIL	-18.900	11.275	-7.375	11.525	S275				
В	FSP-VIL	-18.900	12.175	-8.075	10.825	S275				
С	FSP-IV	-18.900	12.175	-8.075	10.825	S275				
D	CHS508.0*16.0	-18.900	11.275	-7.375	11.525	S275				

KA1 KA1	
SA1 SA1	PROPOSED STRUT
-+-2.90	PROPOSED EXCAVATION LEVEL
	PROPOSED BASEMENT WALL (UNDER SEPARATE SUBMISSION)
T1	PROPOSED TIE
GAS	GAS PIPE
S WAT	SALT WATER PIPE
ELEC	ELECTRIC CABLE
FOUL	FOUL WATER PIPE
—F WAT—	FRESH WATER PIPE

SHEET PILE SECTION PROPERTIES											
		DIMENSIONS (mm)		SECTION AREA	MOMENT OF	WEIGHT (PER	SECTION	SECTION AREA	MOMENT OF	WEIGHT (PER 1m	SECTION
MEMBER SIZE	w	h	t	(PER PILE) (cm ²)	INERTIA (PER PILE) (cm4)	NERTIA (PER PILE) (ka/m)	MODULUS (PER PILE) (cm ³)	(PER 1m PILE) (cm ²)	INERTIA (PER 1m PILE) (cm4)	PILE) (kg/m)	MODULUS (PER 1m PILE) (cm ³)
FSP IV	400	170	15.5	97	4670	76.1	362	242.5	38600	153	2270
FSP VIL	500	225	27.6	153	11400	120	680	306	86000	300	3820
FSP VIL (BOX)	500	207	27.6	306	22800	240	1360	306	172000	600	7640

			N 819792760
	(A) ₊ 4.0	LEEKLS LLL	
		N 819789845	
		ALL	
	H M(
		19.3	
٦	H	N0.978	SITE
-		NO.976	× + ¹²
R)			R
_	H HT	N N0.972	SITE
-		7	K.I.L 201
	HT	ZZZ ROAD	
		NO.966	
	TH	NO.964	I
	后口	Sal	
	THT_	SITTING-OUT	
	HT		H; !) (
			3.8 + N
	I H		
		+ ^{3.7} N 81970018 E 83535343	MMM SIREET
		E 83535343	3
	BLOCK PLAN		
	1 : 500		

- ELEC -

ELEC ELEC

- ELEC

+4.1

N 819792760-E 835350861

N

4 TYPE AN BHEET PILE P-B P-D (P-A) TYPE C SHEET PILE (TOE LEVEL SHOP 91352 P-F (P-H) 00 TYPE B SHEET PILE WAT (TOE LEVEL -18.9 mPD) (TOE LEVEL -23.0 mPD) (TOE LEVEL -18.9 mPD) 22150 3150 3150 (P-4) مليتتملم +229 to F WAT FINAL XCAVATION LEVEL -8.075 E D SHEET PILETOE EVE -% -7.375 LEVEL + -10.325 (P-2) -0 . /8.075 2234 ൾ s-**-**Se . ¢° ð (P-1) F WAT -10 TYPE A SHEET PILE IIIII I I T T PECSHEET PILE (THE LEVEL -18.9 mPD) TYPE B SHEET PILE (TOE LEVEL -18.9 mPD) TYPE AA SHEET PILE TOE LEVEL -18.9 mPD (TOE LEVEL -23.0 mPD) 987 $^{\circ}$ 19050-052 19. B I Ι 0 0 0 0 ΙI III X I I III 0 0 0 0

C

IІ

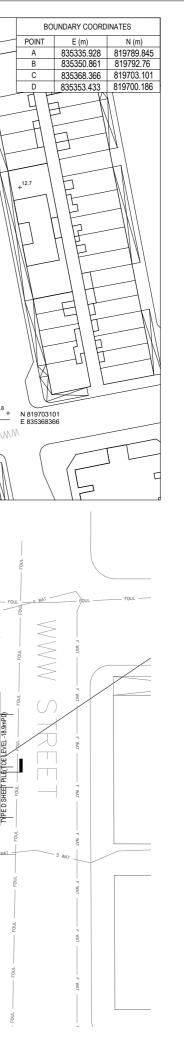
III

- ELEC

- ELEC -

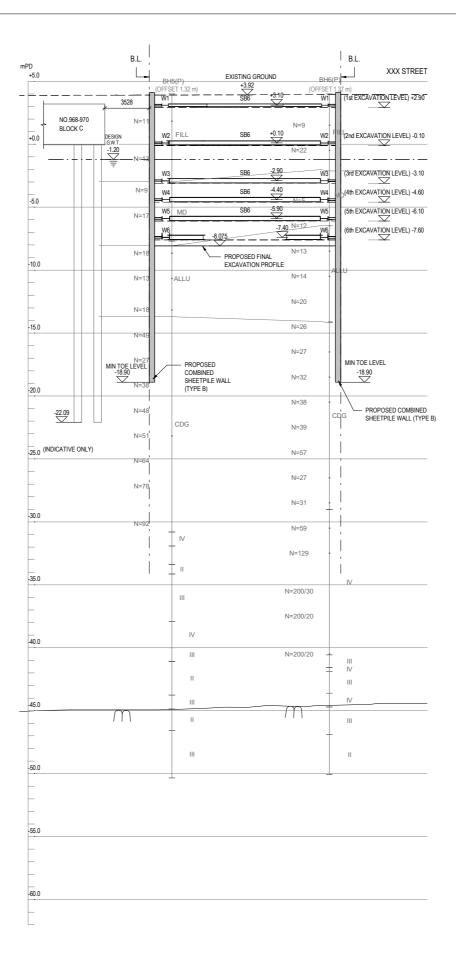
ELEC

- ELEC



	:		
BIM REF			
		_	
-			
		_	
		_	AMENDARY
PROJEC	DATE		AMENDMENT
	Sample Pi	ROJECT	
		LATERAL S	UPPORT
	OUT PLAN		
SCALE	AS SHOW	/N@A1	
SCALE DRAWIN		/N@A1	REV. NO.
	G NO.	/N@A1	REV. NO.
DRAWIN	ig no. 2	/N@A1	REV. NO.
DRAWIN E002	ig no. 2	/N@A1	REV. NO.
DRAWIN E002	ig no. 2	/N@A1	REV. NO.
DRAWIN E002	G NO. 2 = 90mm	n (W) x 40mm (H)	
DRAWIN E002	G NO. 2 = 90mm		
DRAWIN E002	G NO. 2 = 90mm	n (W) x 40mm (H)	
DRAWIN E002	G NO. 2 = 90mm	n (W) x 40mm (H)	
DRAWIN E002	G NO. 2 = 90mm	n (W) x 40mm (H)	
DRAWIN E002	G NO. 2 = 90mm	n (W) x 40mm (H)	
DRAWIN E002	G NO. 2 = 90mm	n (W) x 40mm (H)	
DRAWIN E002	G NO. 2 90mm for CC	n (W) x 40mm (H) DMPANY LOGO	space
DRAWIN E002	G NO. 2 2 90mm for CC	n (W) x 40mm (H) MIPANY LOGO	space
DRAWIN E002	G NO. 2 2 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN E002	G NO. 2 2 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN E002	G NO. 2 2 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 2 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) 7RSE/RGE's	space
DRAWIN	G NO. 2 90mm for CC 90mm for CC	n (W) x 40mm (H) DMPANY LOGO n (W) x 60mm (H) 7RSE/RGE's ture/ and stamp ch	space space
DRAWIN	G NO. 2 90mm for CC 90mm for AF signa FFICAL USE	n (W) x 40mm (H) DMPANY LOGO n (W) x 60mm (H) 7/RSE/RGE's ture/ and stamp ch	space
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE	n (W) x 40mm (H) MIPANY LOGO n (W) x 60mm (H) //RSE/RGE's ture/ and stamp ch 1 (W) x 150mm (H 2's approval stamp 2's approval stamp	space
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) DMPANY LOGO n (W) x 60mm (H) 7/RSE/RGE's ture/ and stamp ch	space space top
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) PRSE/RGE's ture/ and stamp cf n (W) x 150mm (H) 3's approval stamp cation of copies of wed plans	space space lop
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) PRSE/RGE's ture/ and stamp cf n (W) x 150mm (H) 3's approval stamp cation of copies of wed plans	space space top
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) PRSE/RGE's ture/ and stamp cf n (W) x 150mm (H) 3's approval stamp cation of copies of wed plans	space space top
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) PRSE/RGE's ture/ and stamp cf n (W) x 150mm (H) 3's approval stamp cation of copies of wed plans	space space top
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) PRSE/RGE's ture/ and stamp cf n (W) x 150mm (H) 3's approval stamp cation of copies of wed plans	space space top
DRAWIN	G NO. 2 90mm for CC 90mm for AF signal FFICAL USE 90mm for BL certifi appro	n (W) x 40mm (H) MPANY LOGO n (W) x 60mm (H) PRSE/RGE's ture/ and stamp cf n (W) x 150mm (H) 3's approval stamp cation of copies of wed plans	space space top

		B.L.					B.L.
PD +5.0				FX	STING GROUND		XXX STREE
			(OFFS	3H7 ET 2.18 m)	+3.84	(OFFSET 2.15 r	
- -		3528					
	NO.968-970 BLOCK C	N=11	W2	FILL	SA6	+1.60 W2	(2nd EXCAVATION LEVEL) +1.4
+0.0	BEOCK	DESIGN .G.W.T	W3	FILL	SA6 N=16	+0.10 ₩3	(3rd EXCAVATION LEVEL) -0.1
⊢ ′.		-1.20 			SA6 N=20	1.40 W4	(4th EXCAVATION LEVEL) -1.6
_			W5		SA6 N=4	2.90 W5	(5th EXCAVATION LEVEL) -3.10
		11-12	W6		SA6	-4.40 W6	(6th EXCAVATION LEVEL) -4.6
-5.0		N=14			SA6 N=6	- <u>5.90</u> W7	(7th EXCAVATION LEVEL) -6.1
-		N=16		MD	SA6 N=13	-7.40 W8	(8th EXCAVATION LEVEL) -7.6
			╞╧═				(8th EXCAVATION LEVEL) -7.6
-10.0		N=24		-10.325	N=24		
		N=13	-		N=30		
_					ROPOSED FINAL KCAVATION PROFILE		
_		N=15			N=8		
-15.0					N=33	ALLU	
		N=53					
-					N=62		
Ľ		N=41			N=64		
-20.0		N=60					
_		MIN TOE LEVEL			N=70		MIN TOE LEVEL
	-23.16	-23.00 _{N=62}		CDG	N=75		-23.00
-25.0 (IN	DICATIVE ONLY)	 		PROPOSED			PROPOSED
-20.0 '	,	1		BOX TYPE SHEETPILE WALL (TYPE A	N=85	CDG	BOX TYPE SHEETPILE WALL (TYPE A)
_		N=77			N=108		
-		N=85					
-30.0					N=115		
_		N=102		_	N=200/7	D	
		N=120			N=200/7		
		i i		IV	N=200/7		
-35.0		N=109			N=200/7	D	
-		N=200/170		-	N=200/50	, +	
		N=168		II CDG	14-200/30	, N	/
40.0				IV	N=200/50	, +	
-40.0				III IV			1
_				1		+	
-45.0				IV	N=200/50	, 11	/
_				111		-	
_				_	T	()	
_		N=200/110		IV			I
-50.0		M					
_				t		-	
				п			
EE 0			-				
-55.0							
-60.0							



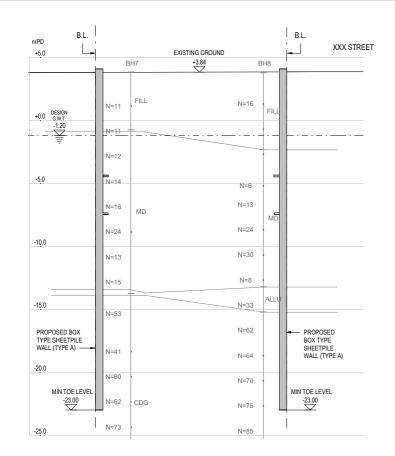




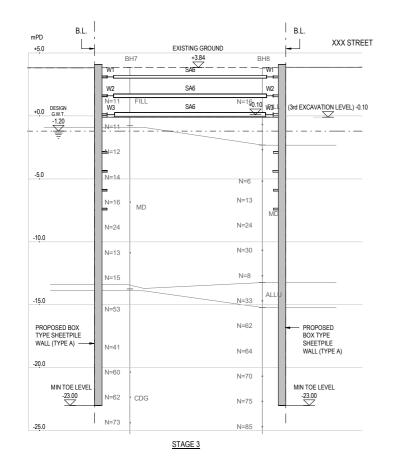


	BD REF		
	BIM REF	:	
ID NOTES:			
UNDARY LINE			
L			
- MPLETELY DECOMPOSED GRANITE			
GHLY DECOMPOSED GRANITE			
DERATELY DECOMPOSED GRANITE			
IGHTLY DECOMPOSED GRANITE			
T N VALUE			
OPOSED WALING			
OPOSED SHORT STRUT OPOSED STRUT			
OPOSED STRUT			
	REV	DATE	AMENDMENT
	PROJEC	T SAMPLE PRO	JECT
			ATERAL SUPPORT
		TONS (1 OF	
	SCALE	AS SHOWN	@A1
	DRAWIN	G NO.	REV. NO.
	E003		
	SOURCE		
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
		90mm (V for AP/RS	/) x 60mm (H) space SE/RGE's
		signature	/ and stamp chop
	BD's O	FICAL USE	
			/) x 150mm (H) space
			approval stamp / on of copies of plans
		approved (PNAP A	pians DM-10 APP A)

											BD REF :
	B.L.									B.L.	BIM REF :
mPD +5.0	L BH2 (OFFSET	(P) 6 94 m)	(OFFSET	H4 [7.47 m]	BH6(P) OFFSET 7.18 m)		BH8	EXISTING	GROUND BH10(P)		
							(OFFSET 6.22 m)	+3.	GROUND BH10(P) (OFFSET 6.97 m Z+3.10 →wy)	
(1st EXCAVATION LI	EVEL) +2.90 W1 +3.10		SC6 I SC6 SC6 SC6 SC6	C6 SC6 <u>x</u> SC6 <u>x</u> SB6 <u>x</u> SB6			<u></u>	<u></u>			
-	N=9			N=	9		N=10	<u>SA6 </u>	+1.60 W2	2nd EXCAVATION LEVEL) +1.40	
+(20 d EXCAVATION L		FILL DESIGN G.W.T.	SC6 TT SC6 SC6 TT 5	FILL	FILL SB6 TT SB6	SB6 TT SB6	FILL SA6 TT SA6	SA6 III SA6	+0.10 W3 FIL	(3rd EXCAVATION LEVEL) -0.10	
	N=11	-1.20			22		N=20 		N=14 1.40 W4	(4th EXCAVATION LEVEL) -1.60	
(3rd EXCAVATION L	LEVEL) -3.10 W3 -2.90	Ŧ	N=22	-			N=4 SA6 TT SA6		- <u>-</u> - <u>-</u> 2.90 W5	(5th EXCAVATION LEVEL) -3.10	
	NELL	mb	<u>SC6 II SC6</u> N=24		<u>SB6</u> <u></u>			<u>SA6_TT SA6_</u>	_ <u>№-4</u> _¥₽ 4.40 w6 _ <u>№=5</u> ¥₽	(6th EXCAVATION EVEL) -4.60	
-5.0	EVEL) -6.10 -6.975 -6.975 N=11			<u> </u>	5 <u>SB6</u>	<u>SB6SB6</u>	<u>SA6SA6</u>	<u>SA6</u>		(6th EXCAVATION LEVEL) -4.60	
	6.975		SC6 TT SC6	<u>06</u>	<u>SB6SB6</u>	<u>SB6SB6</u>	<u>SA6</u>	<u>SA6SA6</u>	- <u>-</u> -5.90 w7	(7th EXCAVATION LEVEL) -6.10	
-			N=30	58	<u>\$86</u> <u>86</u> 8.075	<u>SB6</u>	N=13	<u></u>	N=9	-7.375	
	N=17	CDG		N=1	13	1 20	N=24	-	N=18		
-10.0	N=22		N=37	N=1	ALLU		-10.325				
	N=22		N=45	N=	14 PROPOSED FINAL EXCAVATION PROFILE	2.1	N=30		N=20		
	N=32			N=z	20		N=8		N=21		
	L		N=53	CDG			ALLU		+		
-15.0	N=200/10		N=62	N=2	26	M	N=33		N=22		
		П	20'-**	N=2	27	M	N=62		N=54		
	-18 90 N=200/10	IV	N=61							-18 90	
-20.0	-18.90 N=29		N=65	N=3	32	1	N=64	PROPOSED : WALL (TYPE	D) N=52	-18.90	
		CDG	C0=N	N=3	38		N=70		N=65		
PROPOSED SHEETPILE V (TYPE C)	WALL / N=200/30		N=200/70	- "	CDG	1			11-03	1	
(TYPE C)]	Ш	N=55	- N=3	39	M	N=75		N=68		REV DATE AMENDMENT PROJECT
-25.0			N=78	CDG N=5	57						CIC SAMPLE PROJECT
20.0	N=200/20			-		1	CDG		N=81		
	N=95	CDG	N=200/70	II N=2	27	Ν	N=108		N=111		
	N=200/20		N=200/60-		24				CDG	- 	DRAWING TITLE EXCAVATION & LATERAL SUPPORT
-30.0	N=200/20	П	N=200/40		-	N	V=115		N=200/70		SECTIONS (2 OF 2)
			N=168	N=E	59	N=	200/70		N=200/70		
		III	N=200/190	CDG						1	SCALE AS SHOWN@A1
	N=131	CDG	1	- N=1	29	N=	200/70		N=200/60		DRAWING NO. REV. NO.
-35.0	ΙΤ				IV	N=	200/70		N=200/60		E004
	N=200/20			N=20	0/30						SOURCE
		IV		N=20	0/20	N=	=200/50		N=200/50		
				14=2.0	0/20	N=	200/50		N=200/40		90mm (W) x 40mm (H) space
-40.0	-						200/00				for COMPANY LOGO
		Ш		N=201	0/20		111		+		
-	Ŧ	IV			± ∾ 				IV		
		111					T		1		
-45.0					N N	N=	200/50 IV		IV		
	+						Ť				90mm (W) x 60mm (H) space
	Т				- ///						for AP/RSE/RGE's signature/ and stamp chop
 					II		111	M -			
-50.0		\checkmark							<u> </u>		
	N=200/20	IV						15	GEND AND NOTES		BD's OFFICAL USE
	+							<u> </u>		-	
-55.0									- BOUNDARY L	INE	
								FILL	FILL		
		111						CDG	COMPLETELY	Y DECOMPOSED GRANITE	
								IV	HIGHLY DEC	OMPOSED GRANITE	
-60.0										Y DECOMPOSED GRANITE	
_	+										
								1		COMPOSED GRANITE	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
		Ш						N=28	SPT N VALUE	1	certification of copies of approved plans
				(ELS SECTION C				PROPOSED S	SHEET PILE	approved plans (PNAP ADM-10 APP A)
					C ELS SECTION C					WALING	
									/ PROPOSED S	SHORT STRUT	
									PROPOSED S	STRUT	
										EXCAVATION PROFILE	
1											

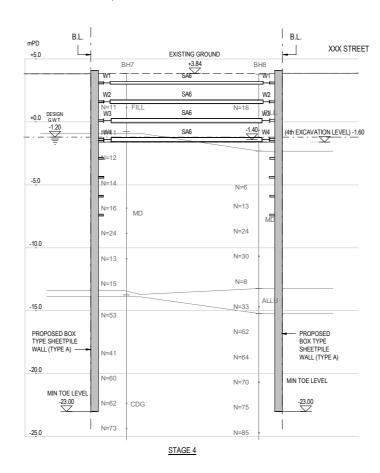


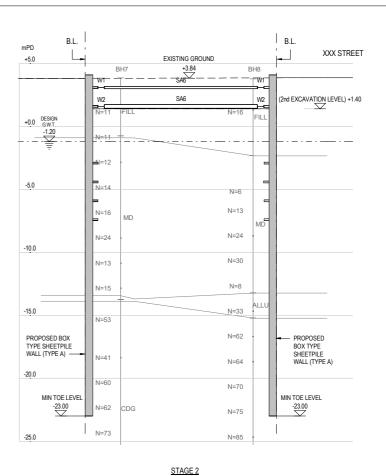
STAGE 0 INSTALL MONITORING CHECKPOINTS AS SHOWN ON DRAWING NO. E008 AND TAKE INITIAL READING
 CARRY OUT INSTALLATION OF SHEET PILES AS SHOWN ON PLAN TO REQUIRED LEVEL.
 CARRY OUT PUMPING TEST AS SHOWN ON DWG NO.: E009.



B.L. B.L. mPD XXX STREET +5.0 EXISTING GROUND BH7 BH8 -W1-(1st EXCAVATION LEVEL) +2.90 N=16 +0.0 DESIGN G.W.T. -1.20 _ . _ . _ . _ -5.0 N=6 N=13 N=16 N=24 -10.0 N=30 N=8 -15.0 N=33 N=62 PROPOSED BOX TYPE SHEETPILE WALL (TYPE A) PROPOSED BOX TYPE SHEETPILE WALL (TYPE A) -N=64 -20.0 N=70 MIN TOE LEVEL MIN TOE LEVEL -23.00 -23.00 =62 N=75 N=73 -25.0 N=85

> STAGE 1 DEWATER AND EXCAVATE TO +2.90mPD.
> INSTALLATION OF THE 1st LAYER WAILINGS, STRUTS & TIES
> CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A, B & C (REFER TO STRUT PRELOAD SCHEDULE IN





DEWATER AND EXCAVATE TO +1.4mPD. INSTALLATION OF THE 2nd LAYER WAILINGS, STRUTS & TIES CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE A & AA (REFER TO STRUT PRELOAD SCHEDULE IN

DWG, NO.: E001)

LEGEND AND NOTES:





DEWATER AND EXCAVATE TO -0.10mPD. INSTALLATION OF THE 3rd LAYER WAILINGS, STRUTS & TIES C CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A, B & C (REFER TO STRUT PRELOAD SCHEDULE IN DWG. NO.: E001)

DEWATER AND EXCAVATE TO -1.60mPD. INSTALLATION OF THE 4th LAYER WAILINGS, STRUTS & TIES CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE A & AA (REFER TO STRUT PRELOAD SCHEDULE IN DWG. NO.: E001)

DWG, NO.: E001.)

BOUNDARY LINE

COMPLETELY DECOMPOSED GRANITE

HIGHLY DECOMPOSED GRANITE

MODERATELY DECOMPOSED GRANITE

SLIGHTLY DECOMPOSED GRANITE

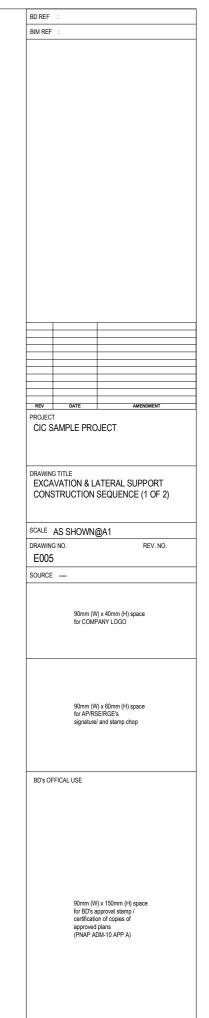
PROPOSED SHEET PILE

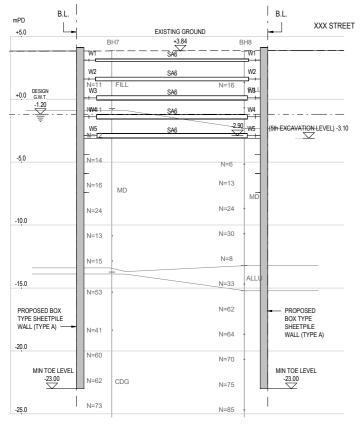
PROPOSED WALING

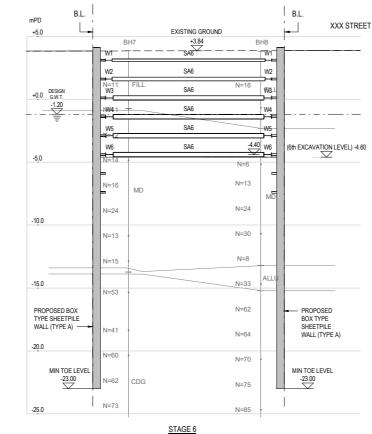
PROPOSED SHORT STRUT

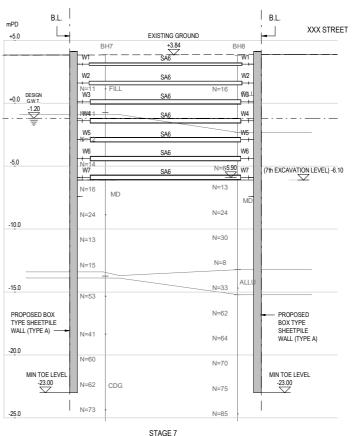
PROPOSED STRUT

- PROPOSED EXCAVATION PROFILE







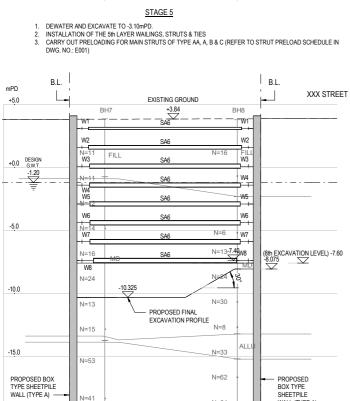


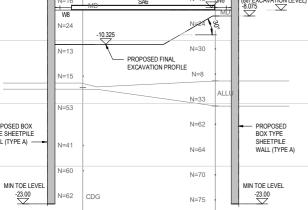
STAGE 7

DEWATER AND EXCAVATE TO -6.10mPD.
 INSTALLATION OF THE 7th LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A, B & C (REFER TO STRUT PRELOAD
 SCHEDULE IN DWG, NO.: E001)

LEGEND AND NOTES:

BOUNDARY LINE _ - _ FILL FILL CDG IV Ш N=28 SPT N VALUE PROPOSED SHEET PILE PROPOSED WALING





STAGE 8

-20.0

-25.0

-23.00

N=73

DEWATER AND EXCAVATE TO -7.60mPD.
 INSTALLATION OF THE 6th LAYER WAILINGS, STRUTS & TIES
 INSTALLATION OF THE 6th LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE A & B (REFER TO STRUT PRELOAD SCHEDULE IN DWG. NO.: E001)
 DEWATER AND EXCAVATE TO FINAL EXCAVATE PROFILE (i.e.: -8.075/-10.325mPD) WITH TEMPORARY CUT SLOPE/25" MAX). (REFER TO
 ELS LAYOUT PLAN IN DWG. NO.: E002).
 CARRY OUT BASEMENT CONSTRUCTION (UNDER SEPARATE SUBMISSION) AND BACKFILL TO PILE CAP TOP
 CARRY OUT BASEMENT CONSTRUCTION (UNDER SEPARATE SUBMISSION)
 ALL STRUT SHALL NOT BE REMOVED UNTIL CONSTRUCTION UP TO G/F.

N=85

DEWATER AND EXCAVATE TO -4.60mPD.
 INSTALLATION OF THE 6th LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A & B (REFER TO STRUT PRELOAD SCHEDULE IN
DWG. NO.: E001)

COMPLETELY DECOMPOSED GRANITE

HIGHLY DECOMPOSED GRANITE

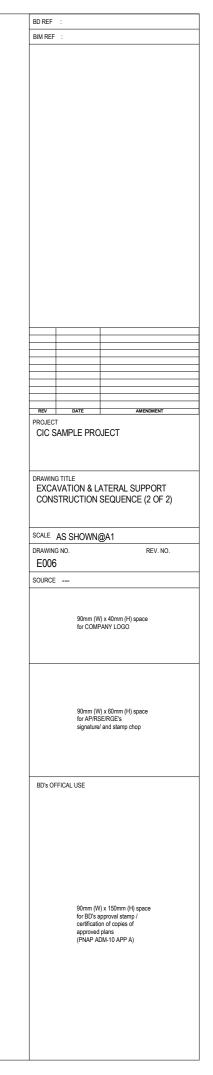
MODERATELY DECOMPOSED GRANITE

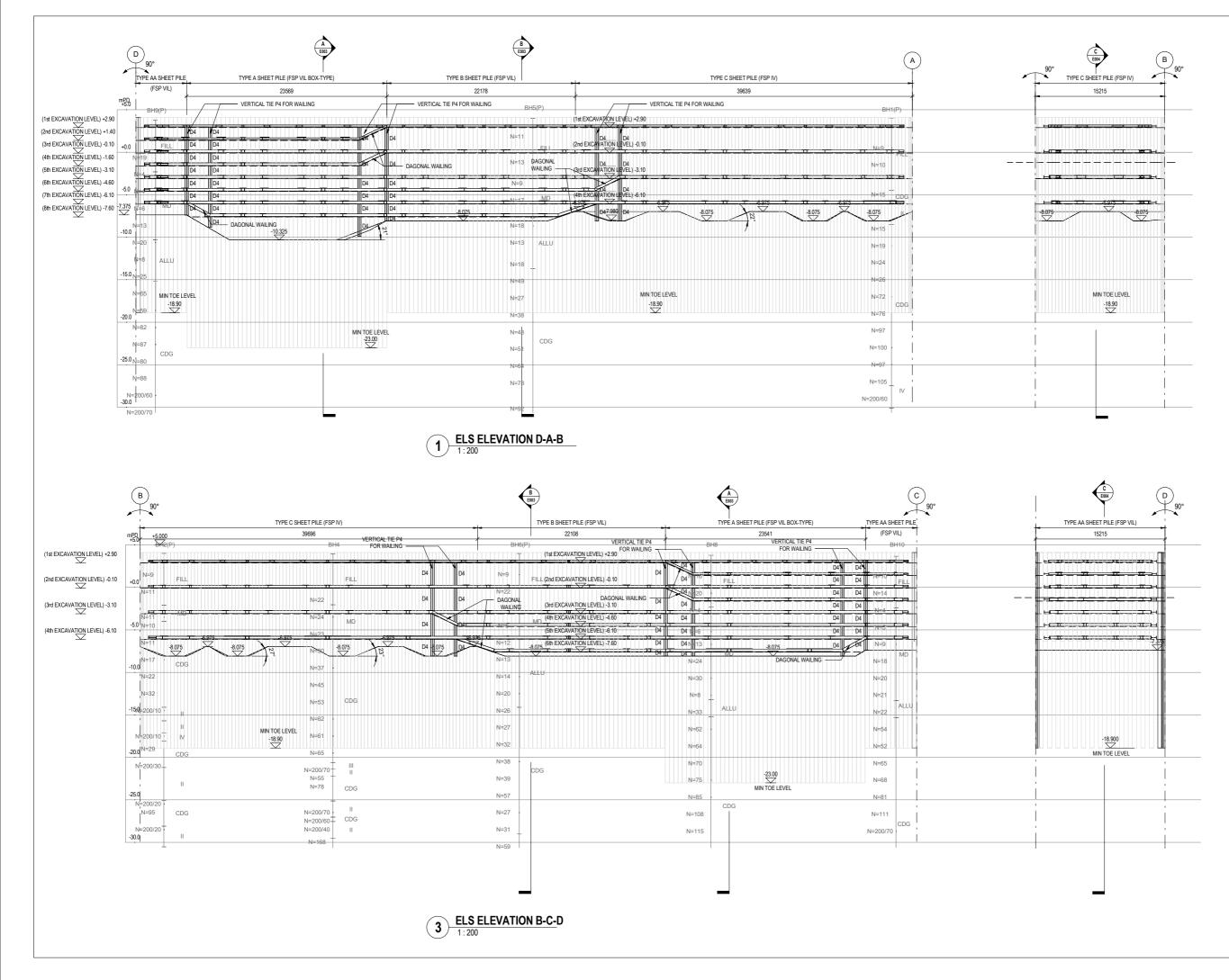
SLIGHTLY DECOMPOSED GRANITE

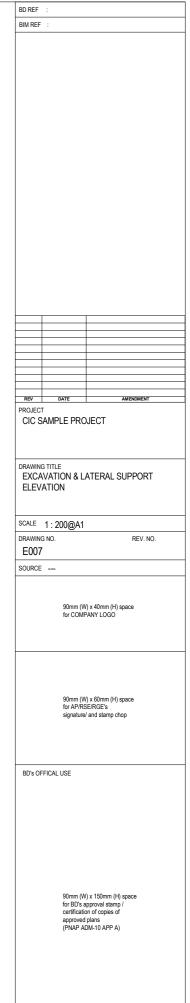
PROPOSED SHORT STRUT

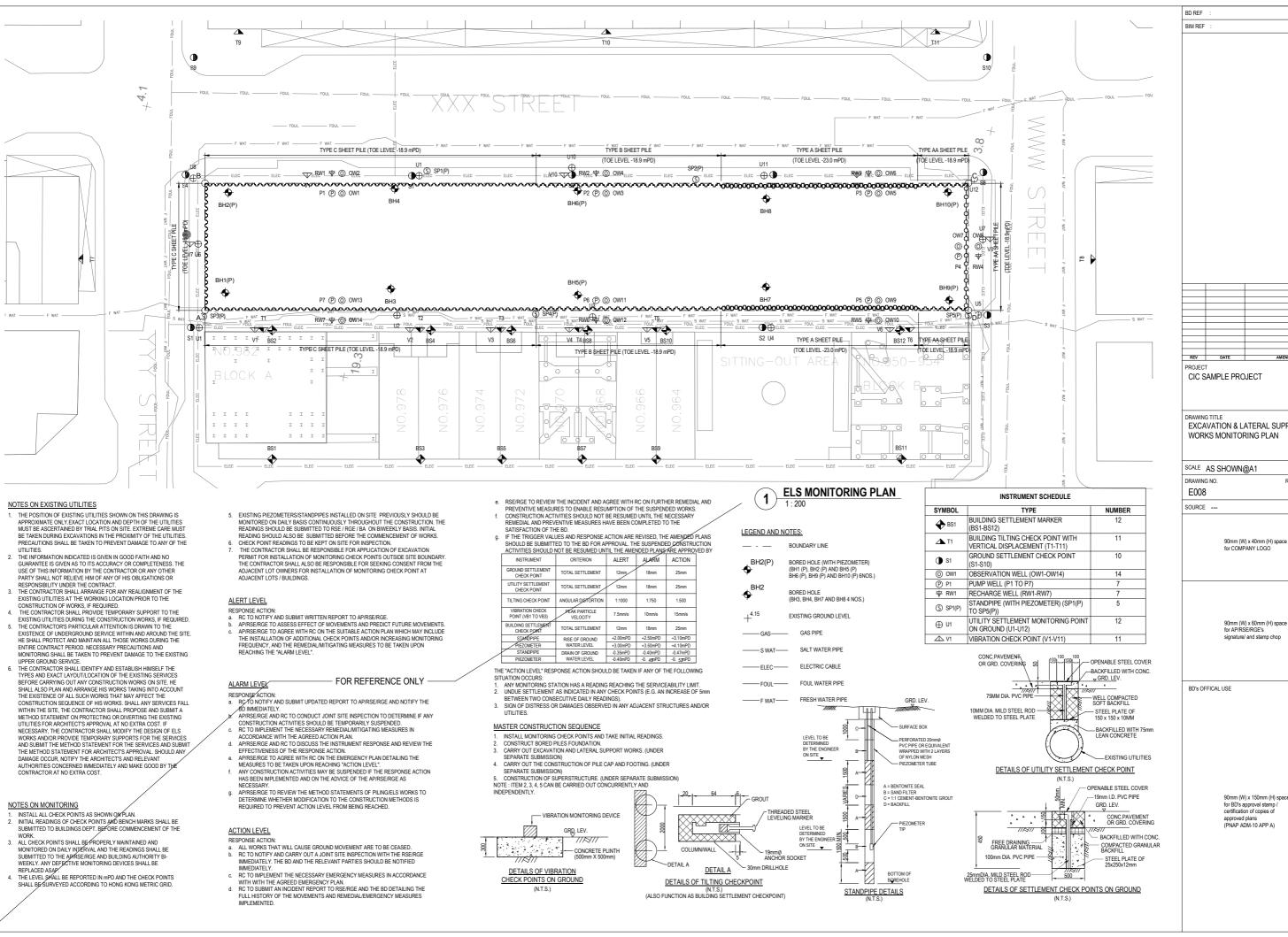
PROPOSED STRUT

PROPOSED EXCAVATION PROFILE





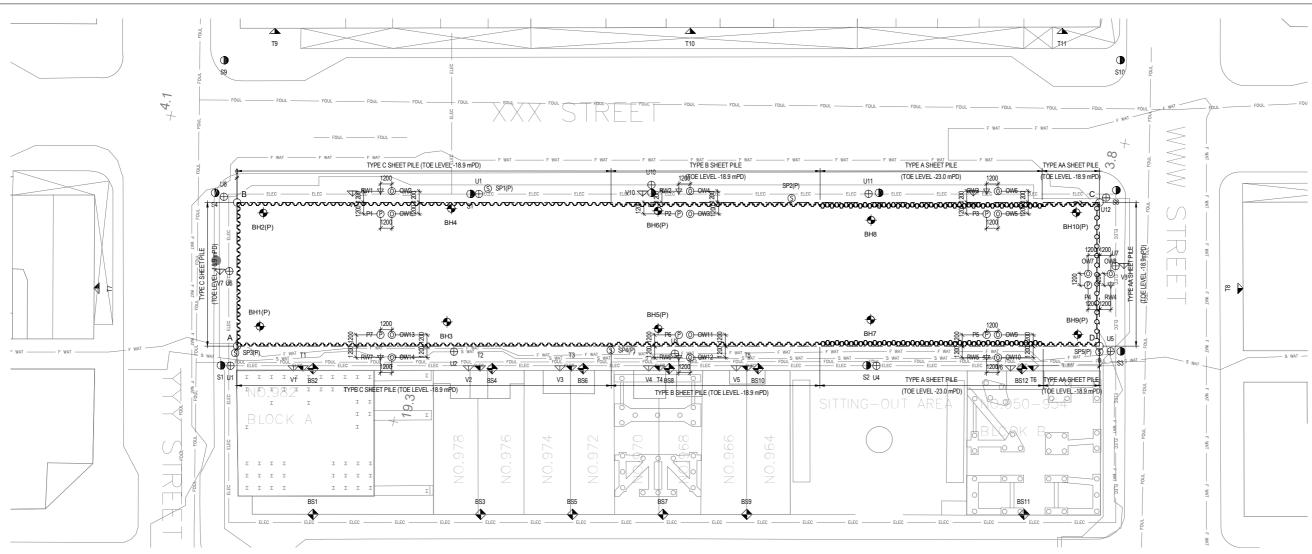




EXCAVATION & LATERAL SUPPORT

REV. NO.

90mm (W) x 150mm (H) space



(I) PUMPING TEST PROCEDURES

1. INSTALL THE DEWATERING WELLS (P1-P7), STANDPIPES AND OBSERVATION WELLS (OW1-OW15) AS SHOWN IN DWG. NO.

THE PROPOSED TOE LEVEL OF THE DEWATERING WELL AND OBSERVATION WELLS ARE AS FOLLOWS:

HOLE	PROPOSED	PROPOSED LEVEL OF WATER LEVEL CONTROL ELECTRODES			
HOLE	TOE LEVEL (mPD)	CUT-ON LEVEL (mPD)	CUT-OUT LEVEL (mPD)		
DEWATERING WELL (P1-P7)	-15.00	-12.50	-13.50		
OBSERVATION WELL (OW1-OW15)	-15.00	N/A	N/A		

- BEFORE INSERTION OF THE SUBMERSIBLE PUMP, THE DEWATERING WELLS SHALL BE CLEANED, FLUSHED AND THE DEPTH OF THE WELL SHALL BE ACCURATELY MEASURED
 THE DEWATERING WELLS INCLUDING DISCHARCE PIPES SHALL THEN BE COMPLETED AND TESTED TO BE FUNCTIONAL
 THE PROPOSED DEWATERING PUMP TO BE INSTALLED IS 'MASTRA' MODEL R95-5-08 WITH A MINIMUM DISCHARGE CAPACITY OF 10CU.M/HR/WELL UNDER A DELIVERY HEAD OF 46M AND BE ABLE TO LOWER WATER LEVEL WITHIN 1M ABOVE THE PUMP.
- FLOW METER AND GATE VALVE TO CONTROL FLOW SHALL BE INCOPORATED INTO EACH DEWATERING WELL. HOW ME LER AND GATE VALVE. 10 CONTROL HOW SHALL BE INCOPORATED INTO EACH DEWATERING WELL.
 BEFORE COMMENCEMENT OF PUMP TEST, WATER LEVELS IN ALL DEWATERING WELLS, STANDPIPES, DSSERVATION WELLS SHALL BE MEASURED AT 4 HOURS INTERVALS FOR A PERIOD OF 72 HOURS. THE LOWEST MEASURED LEVELS IN THE PUMPING TEST.
 ALL DEWATERING PUMPS SHALL BE SWITCHED ON SIMULTANEOUSLY.
 STEADY STATE SHALL BE DEFINED AS SUCH THAT THE RATE OF GROUNDWATER DRAW DOWN BOTH INSIDE AND OUTSIDE THE STITE ISLES THEN 0.1M OVER AN HOUR.
 THE WATER LEVEL IN THE PUMP WELL SHALL BE MAINTAINED AT THE SPECIFIED LEVEL FOR AT LEAST 72 HOURS.
 STEADY STATE SHALL BE DEFINED AS BUCH THAT THE RATE OF GROUNDWATER DRAW DOWN BOTH INSIDE AND OUTSIDE THE STITE ISLES THEN 0.1M OVER AN HOUR.
 THE WATER LEVEL IN THE PUMP WELL SHALL BE MAINTAINED AT THE SPECIFIED LEVEL FOR AT LEAST 72 HOURS.
- 11. SHOULD THE SPECIFIED STEADY STATE IN GROUNDWATER DRAWDOWN NOT BE REACHED, PUMPING SHALL BE CONTINUED UNTIL SUCH A STATE IS REACHED OR AS DIRECTED BY THE ENGINEER. THE MINIMUM TEST PERIOD IS 7
- DAYS 12. DURING THE TEST THE WATER LEVELS IN ALL DEWATERING WELL, OBSERVATION WELLS AS SHOWN ON DWG. NO.
- Domino The TEST THE WATER LEVELS IN REL DEFINITEINIS WHICH SECURITOR WELLS AS STRUMENT.
 LLS AS SHALL BE REACHED AT REGULAR INTERVALS WHICH SHOWN BELVATION WELLS AS STRUMENT.
 ALL MONITORING DATA SHALL BE PRODUCED IN BOTH TABULAR AND GRAPHICAL FORM DURING THE COURSE OF THE PUMPING TEST AND SUBMIT TO ENGINEER FOR BUILDINGS DEPARTMENTS APPROVAL.
 WATER LEVELS SHALL BE MONITORIED AFTER CESSATION OF PUMPING UNTIL RECOVERY TO INITIAL LEVEL #S
- COMPLETED

(II) WATER LEVEL MEASUREMENT

DURING THE PUMPING AND RECOVERY TESTS, THE WATER LEVELS IN THE DEWATERING WELLS, OBSERVATION WELLS AND STANDPIPES SHALL BE MEASURED AT THE FOLLOWING INTERVALS

TIME FROM COMMENCEMENT OF PUMPING TEST (mins)	INTERVAL BETWEEN READINGS (mins)
0-30	5
30-60	10
60-120	18
120-360	30
360-END OF TEST	60

DURING THE RECOVERY PHASE THE READINGS SHALL BE TAKEN CONTINUOUSLY UNTIL THE WATER LEVEL IN ALL DOBSERVATION WELLS AND STANDPIES HAVE RECOVERED TO THEIR PRE-TEST LEVELS OR FOR A PERIOD OF TWO DOBSERVATION WELLS AND STANDPIES HAVE RECOVERED TO THEIR PRE-TEST LEVELS OR FOR A PERIOD OF TWO DAYS, WHICHEVER IS THE SOONER. PRIOR TO TERMINATING READINGS, THE ARCHITECT SHALL BE NOTIFIED.

(III) MONITORING OF CHECKPOINTS

1. DURING THIS TEST AND UNTIL ALL STANDPIPES/ OBSERVATION WELLS HAVE RECOVERED TO THEIR PRE-TEST LEVELS. ALL SETTLEMENT CHECKPOINTS TILTING CHECK POINTS AND UTILITY CHECK POINTS AS SHOWN ON THE DRAWING NO. ELS-01 SHALL BE MONITORIED ONCE PER DAY. THE RESULTS SHALL BE PRODUCED IN ACCORDANCE WITH NOTE (I) 13.

(IV) PUMP TEST CRITERIA

- THE PUMPING TEST SHALL BE CONSIDERED ACCEPTABLE IF THE FOLLOWING CRITERIA ARE MET WHEN THE THE PUMPING TEST SHALL BE CONSIDERED ACCEPTABLE IF THE FOLLOWING CRITERIA ARE MET WHEN TI DESIGNATED WATER LEVEL IS ACHIEVED INSIDE THE SITE: a. NO UNDUE SETTLEMENT OR MOVEMENT OF ANY SETTLEMENT CHECKPOINTS OR TILTING CHECKPOINTS AS STATED IN APPROVED EXCAVATION AND LATERAL SUPPORT WORKS PLAN OR NO DEFECTIONAGE TO ADJACENT GROUND STRUCTURES/ UTILITIES. b. THE GROUND SETTLEMENT DURING DEWATERING SHOULD NOT EXCEED 5.0mm.

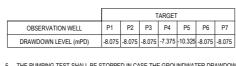
- (V) ASSESSMENT REPORT
- AFTER COMPLETION OF THE PUMPING TEST, THE CONTRACTOR SHALL PREPARE AN ASSESSMENT REPORT BASED ON THE TEST RESULTS DISCUSSING THE ASSUMED AND ACTUAL CONDITIONS ON SITE. INTERPERT THE RESULTS AND ASSESS THE EFFECTS TO THE SURROUNDING STRUCTURES AND UTILITIES. THIS REPORT SHALL BE SUBMITTED TO THE APIRSEIRGE FOR VERIFICATION OF THE WATER CUT-OFF EFFECTIVENESS OF THE SHEET PILE WALL. THIS REPORT SHALL BE SUBMITTED TO BD'S SATISFACTION AFTER REVIEWED AND APPROVED BY AP/RSE/RGE.

(VI) CONTINGENCY MEASURES

1. 2 NUMBERS OF RECHARGE WELL WOULD BE PROVIDED AS CONTINGENCY MEASURES IF GROUNDWATER DRAWDOWN EXCEEDING THE LIMIT AND UNSATISFACTORY PERFORMANCE DURING RECOVERY PHASE WERE FOUND. THE LOCATION OF RECHARGE WELL ARE SHOWN AT DWG. NO. EKS-13

GENERAL MOTES ON PUMPING TESTOR REFERENCE ONLY

- THE PUMPING WELLS SHOWN ARE MINIMUM REQUIREMENT ONLY. NOTWITHSTANDING THESE MINIMUM REQUIREMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE WHATEVER ADDITIONAL MEASURES THAT ARE NECESSARY TO ENSURE THE WATER LEVEL INSIDE THE SITE CAN BE LOWERED TO THE TO THE DESIGNATED LEVEL WITHOUT EXCEEDING THE DRAWDOWN AND SETTLEMENT CRITERIA STATED IN THIS DRAWING.
- INSTALLATION RECORDS AND RESPONSE TEST RESULTS OF THE PIEZOMETERS. STANDPIPES. 2 PUMPING WELLS AND OBSERVATION WELLS SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT
- FOR THE PUMPING WELLS AND OBSERVATION WELLS STALE BE SUBMITTED FRUR TO THE COMMUNICATION OF THE PUMPING TEST. THE PUMPING WELLS AND OBSERVATION WELLS FORM PART OF THE DEWATERING SYSTEM FOR THE FURTING EXCAVATION. THE TARGET GROUNDWATER TABLES TO BE LOWERED WITHIN THE SITE, AS RECORD BY
- OBSERVATION WELLS



- THE PUMPING TEST SHALL BE STOPPED IN CASE THE GROUNDWATER DRAWDOWN OUTSIDE THE SITE EXCEEDS 2.0m. THE CONTRACTOR SHALL INVESTIGATE THE CAUSE OF THE DRAWDOWN AND IMPROVEMENT MEASURES SHALL BE PROPOSED AND IMPLEMENTED. CONTINGENCY MEASURES SUCH
- AS INSTALLATION OF RECHARGE WELLS BEHIND SHEET PILE WALLS MAY BE REQUIRED. COMPLETE PUMPING TESTS RESULT SHALL BE SUBMITTED TO BD AFTER THE SUCCESSFUL
- COMPLETE PUMPING TESTS RESULT SHALL BE SUBMITTED TO BD AFTER THE SUCCESSFUL COMPLETION. PUMP WELLS AND OBSERVATION WELLS SHALL BE PROTECTED FROM DAMAGE. WORKS SHALL BE CARRIED OUT WITH OUE CARE IN PROXIMITY OF THOSE WELLS. IN CASE THE PUMPIOBSERVATION WELL HAS BEEN DAMAGED DURING ANY TIME OF THE CONSTRUCTION WORKS, THE CONTRACTOR SHALL INFORM APRSEIRGE IMMEDIATELY AND REINSTATEMENT SHALL BE CARRIED OUT WITHOUT DELAY.

NOTES FOR PARTIAL PUMPING TEST

- 1. PARTIAL PUMPING TEST SHALL BE CARRIED OUT AFTER INSTALLATION OF PILES AND BEFORE

- PARTIAL PUMPING TEST SHALL BE CARRIED OUT AFTER INSTALLATION OF PILES AND BEFORE COMMENCEMENT OF BULK EXCAVATION. INSTALL PUMP WELL, OBSERVATION WELL, RECHARGING WELL AND PIEZOMETER. THE PUMPING TEST PROPOSAL TO BE SUBMITTED SEPARATELY. THE CRITERIA OF PUMPING TEST REFERS TO THE DWG. NO. ELS-13. A FTER COMPLETION OF THE PARTIAL PUMPING TEST, AN ASSESSMENT REPORT SHALL BE PREPARED BY CONTRACTOR. THIS REPORT SHOULD BE SUBMITTED TO BUILDING AUTHORITY.

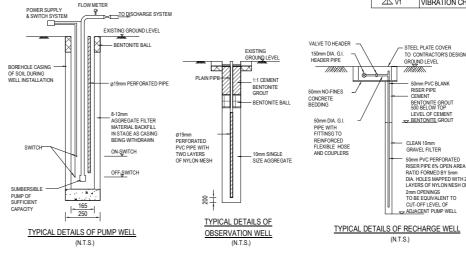
MEASURED GROUNDWATER DRAWDOWN

		ALERT LEVEL	ALARM LEVEL	ACTION LEVEL
	OBSERVATION WELLS	0.75m BELOW THE LOWEST MEASURED	0.80m BELOW THE LOWEST MEASURED	0.87m BELOW THE LOWEST MEASURED
	(OW2, OW4, OW6, OW6, OW8, OW10,	GROUND WATER TABLE (RECORDS WITHIN 72	GROUND WATER TABLE (RECORDS WITHIN 72	GROUND WATER TABLE (RECORDS WITHIN 72
	OW12, OW14)	HOURS PRIOR TO THE CARRYING OUT OF	HOURS PRIOR TO THE CARRYING OUT OF	HOURS PRIOR TO THE CARRYING OUT OF
		PUMPING TEST)	PUMPING TEST)	PUMPING TEST)

INSTRUMENT SCHEDULE			
SYMBOL	TYPE	NUMBER	
♦ BS1	BUILDING SETTLEMENT MARKER (BS1-BS12)	12	
▲ T1	BUILDING TILTING CHECK POINT WITH VERTICAL DISPLACEMENT (T1-T11)	11	
1 S1	GROUND SETTLEMENT CHECK POINT (S1-S10)	10	
OW1	OBSERVATION WELL (OW1-OW14)	14	
P P1	PUMP WELL (P1 TO P7)	7	
₩ RW1	RECHARGE WELL (RW1-RW7)	7	
(\$) SP1(P)	STANDPIPE (WITH PIEZOMETER) (SP1(P) TO SP5(P))	5	
⊕ U1	UTILITY SETTLEMENT MONITORING POINT ON GROUND (U1-U12)	12	
∠\ V1	VIBRATION CHECK POINT (V1-V11)	11	

1

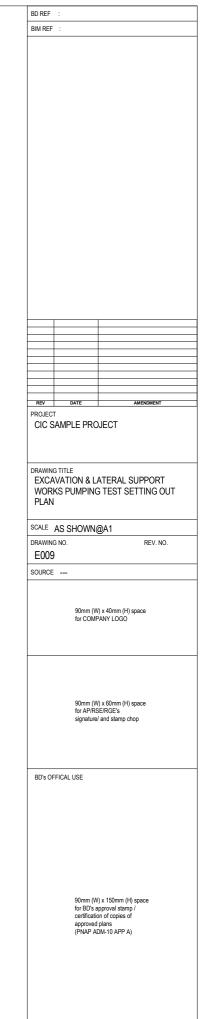
1 · 200

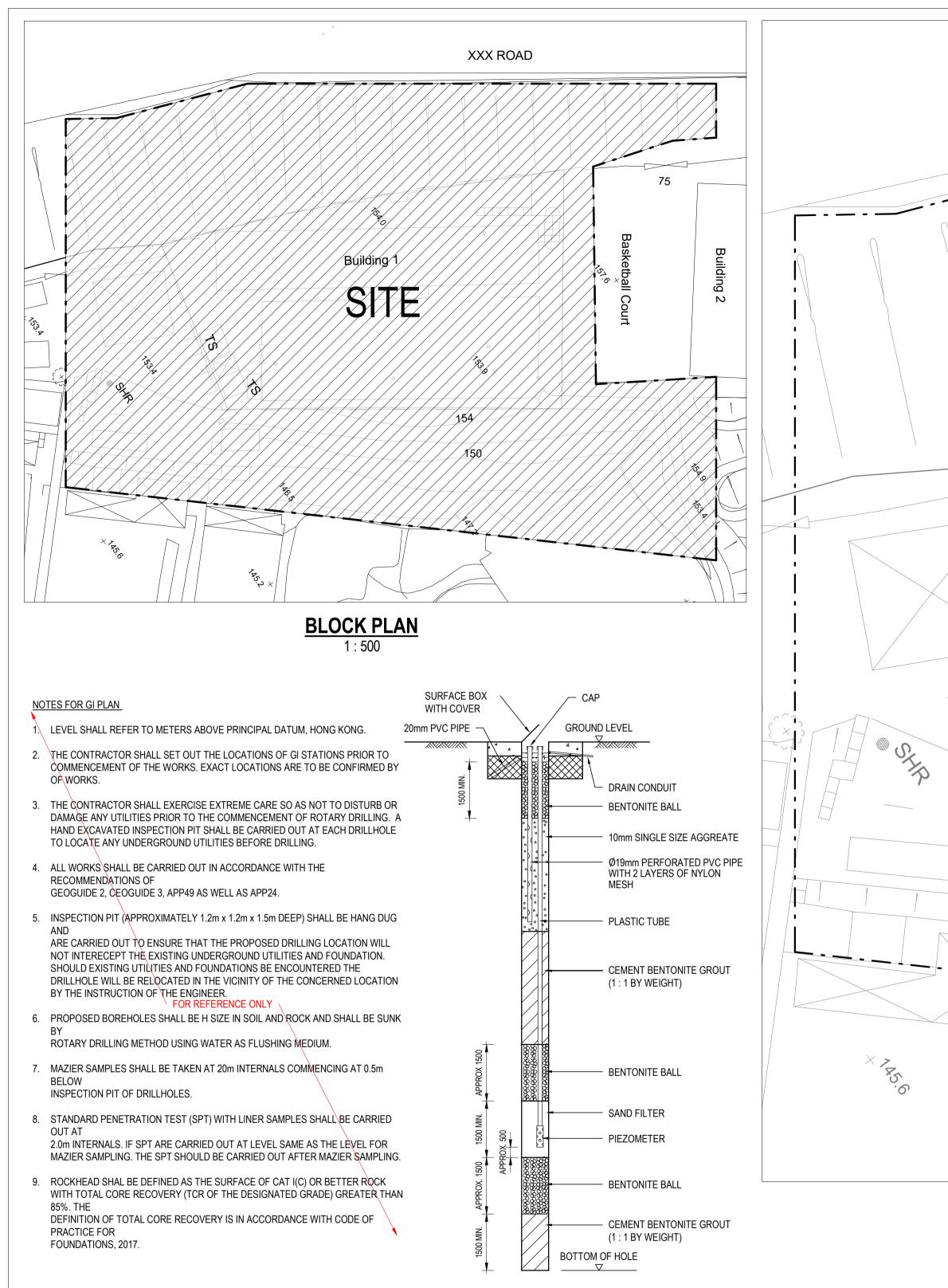


ELS PUMPING TEST SETTING OUT PLAN

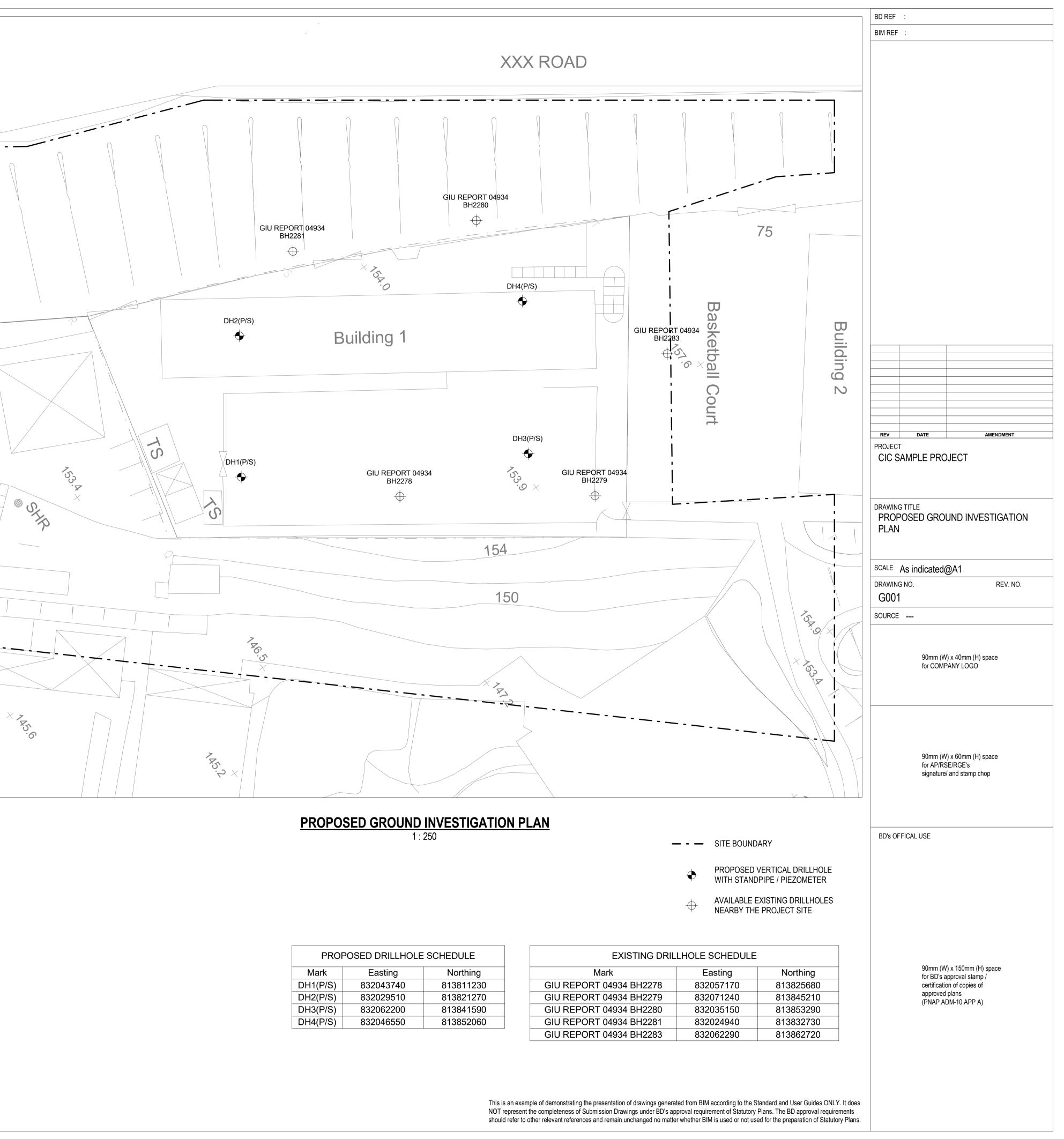
LEGEND AND NOTES:

	BOUNDARY LINE	
BH2(P)	BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.)	
⊕ BH2	BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.)	
+4.15	EXISTING GROUND LEVEL	
GAS	- GAS PIPE	
S WAT	- SALT WATER PIPE	
ELEC	- ELECTRIC CABLE	
FOUL	- FOUL WATER PIPE	
——F WAT—	- FRESH WATER PIPE	

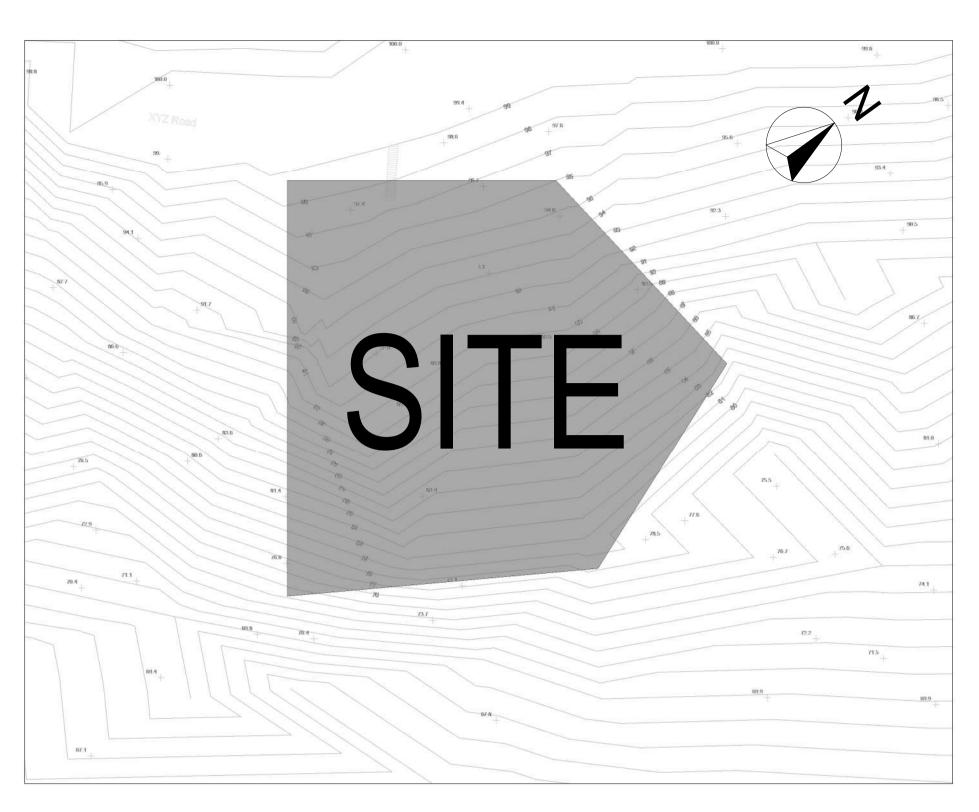




DETAILS OF PIEZOMETER N.T.S



PROF	POSED DRILLHOLE	SCHEDULE	EXISTING DRI	_L
Mark	Easting	Northing	Mark	
DH1(P/S)	832043740	813811230	GIU REPORT 04934 BH2278	
DH2(P/S)	832029510	813821270	GIU REPORT 04934 BH2279	
DH3(P/S)	832062200	813841590	GIU REPORT 04934 BH2280	
DH4(P/S)	832046550	813852060	GIU REPORT 04934 BH2281	
			GIU REPORT 04934 BH2283	



SITE FORMATION BLOCK PLAN 1 : 500

NOTES

- 1. THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING FACILITIES AND DRAINAGE SYSTEM WITHIN AND NEARBY THE SITE UNLESS OTHERWISE INSTRUCTED BY THE SUPERVISOR.
- 2. ANY UTILITIES SHOWN ON THIS PLAN ARE INDICATIVE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE EXACT LOCATIONS AND ALIGNMENT ON SITE
- 3. IF THE CUT SLOPE TO BE LAST FOR MORE THAN A YEAR. SHOTCRETE OR SIMILAR SLOPE SURFACE PROTECTIVE MEASURE SHALL BE APPLIED.
- 4. TEMPORARY DRAINAGE REFER TO TEMPORARY DRAINAGE MANAGEMENT PLAN.
- 5. IF THE LOADING OR GROUNDWATER CONDITIONS ARE DEVIATED FROM THE DESIGN ASSUMPTIONS, FURTHER DESIGN OR CHECKING SHALL BE REQUIRED TO CONFIRM THE MAXIMUM CUT SLOPE ANGLE.
- 6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE PARTICULAR REQUIREMENTS WHICH ARE SHOWN ON INDIVIDUAL DRAWINGS.
- 7. UNLESS OTHERWISE SPECIFIED, THESE GENERAL NOTES ARE APPLICABLE TO ALL GEOTECHNICAL WORKS OF SITE FORMATION.
- 8. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 2006 OR OTHERWISE SPECIFIED.
- 9. THE BOTTOM OF THE EXCAVATION SHALL BE KEPT DRY. WATERFLOW INTO THE EXCAVATION SHALL BE PUMPED TO SAFE DISCHARGE POINT TO AVOID PONDING AT BASE OF EXCAVATION.
- 10. ALL EXCAVATION WORK SHALL NOT REDUCE THE REQUIRED STABILITY OF THE SLOPE.
- 11. IF DURING EXECUTION OF THE WORKS, THE GROUND CONDITIONS ARE FOUND TO BE SUBSTANTIALLY DIFFERENT FROM THE DESIGN, THE ENGINEER MAY CHANGE THE DESIGN AND THE EXTENT OF THE WORKS IN ORDER TO ADDRESS THE ACTUAL GROUND CONDITIONS.
- 12. DURING THE EXECUTION OF WORKS, RECORDS SHALL BE SUBMITTED TO THE ENGINEER OF THE GROUND ENCOUNTERED. THESE RECORDS SHALL INCLUDE THE LEVELS OF SOIL AND ROCK ACROSS THE SLOPE FACE, THE OCCURRENCE OF GROUNDWATER AND THE LOCATIONS OF ANY VOIDS OR WEAK OR WET GROUND.
- 13. REGULAR CLEAN-UP OF DIESEL AND OIL SPILLS SHALL BE CARRIED OUT TO PREVENT CONTAMINATION OF SURFACE DRAINAGE WATER.

DIMENSIONS, LEVELS & SETTING-OUT

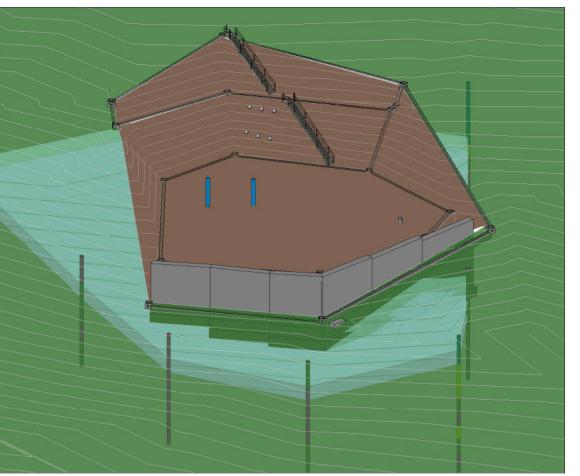
- 1. COORDINATES ARE BASED ON HONG KONG METRIC GRID (1980) UNLESS OTHERWISE SPECIFIED.
- 2. LEVELS ARE IN METRES RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD) UNLES OTHERWISE SPECIFIED.
- 3. DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- 4. SETTING OUT DIMENSIONS, LEVELS, COORDINATES ARE TO BE CALCULATED BY THE CONTRACTOR. NO INFORMATION SHOULD BE SCALED PHYSICALLY OR ELECTRONICALLY FROM THE DRAWINGS OR FILES.
- 5. SETTING OUT OF ALL SLOPES SHALL BE VERIFIED BY THE CONTRACTOR AND AGREED WITH THE ENGINEER ON SITE.

UTILITIES

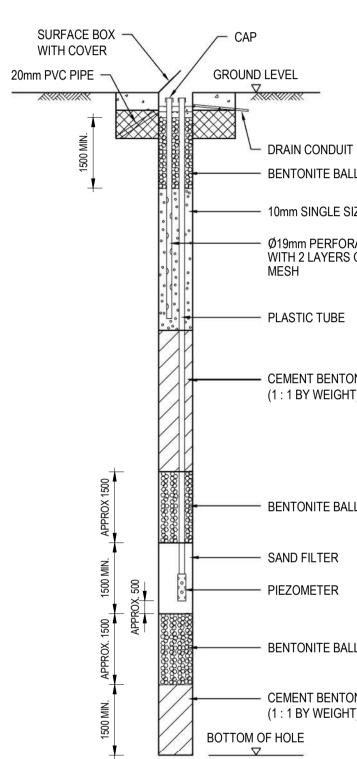
- PRIOR TO COMMENCEMENT OF THE WORKS. THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS OF THE EXISTING UTILITIES AFFECTING OR TO BE AFFECTED BY THE WORKS USING INSPECTION PITS OR OTHER MEANS AS RECOMMENDED BY THE RELEVANT UTILITY / SERVICES COMPANIES OR PARTIES CONCERNED.
- 2. THE CONTRACTOR SHALL EXERCISE EXTREME CARE NOT TO DAMAGE ANY EXISTING UTLITIES OR SERVICES WITHIN OR IN THE VICINITY OF THE WORKS SITE AND WORKS AREA AND SHALL PROVIDE NECESSARY PROTECTION AND SUPPORT TO THE EXISTING UTLITIES OR SERVICES ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT OF UTILITY / SERVICES COMPANIES OR PARTIES CONCERNED DURING THE EXECUTION WORKS. SHOULD ANY DAMAGE OCCUR TO THE UTILITIES / SERVICES DUE TO THE THE WORKS. SHOULD ANY DAMAGE OCCUR TO THE UTILITIES / SERVICES DUE TO THE CONTRACTOR'S WORKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST INCURRED FROM THE DAMAGE.

THE PROTECTION OF EARTHWORKS AGAINST HEAVY RAINFALL

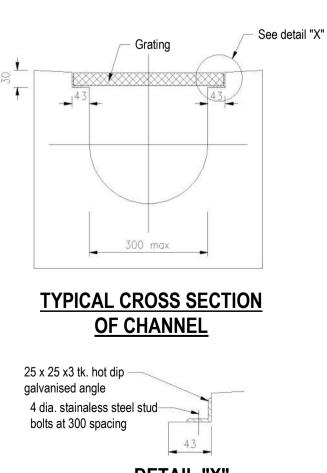
- 1. SURFACE WATER FLOWING INTO THE SITE FROM UPHILL SHALL BE INTERCEPTED AND CONDUCTED FROM THE SITE TO SAFE DISCHARGE POINT. AT EACH INTERSECTION AND ABRUPT CHANGE IN DIRECTION OF SURFACE DRAINAGE CHANNELS AN ACCESSIBLE CATCHPIT SHALL BE PROVIDED, ALL DRAINAGE WORKS SHALL BE KEPT CLEAR OF DEBRIS.
- 2. WHERE PARTIALLY COMPLETED DRAINAGE WORKS DISCHARGE WITHIN THE SITE, A TEMPORARY CONDUIT SHALL BE PROVIDED TO THE DISCHARGE POINT.
- 3. ALL EARTHWORKS SHALL BE GRADED AND SEALED TO ENSURE RUN-OFF AND TO AVOID PONDING.
- 4. A METHOD OF WORKING SHALL BE ADOPTED IN WHICH THE MINIMUM OF BARE SOIL IS EXPOSED AT ANY TIME. EARTHWORK TO FORM THE FINAL FACE SHALL BE FOLLOWED UP IMMEDIATELY WITH SURFACE PROTECTION AND DRAINAGE WORKS AND THE FACE PANEL SIZE SHALL BE ENOUGH TO PERMIT THIS.
- 5. EXCAVATION SHALL NOT BE LEFT OPEN ON OR ADJACENT TO SLOPES.
- 6. IF TRENCHES ON OR ADJACENT TO SLOPE HAVE TO BE EXCAVATED DURING THE WET SEASON, THIS SHALL BE DONE WITH EXTREME CARE IN SHORT SECTIONS AT A TIME. PRECAUTIONS SHALL ALWAYS BE TAKEN TO PREVENT WATER FROM ENTERING AND COLLECTING IN THE TRENCH.
- 7. WHERE TEMPORARY BARE EARTH SLOPE FACES ARE UNAVOIDABLE, THEY SHALL BE PROTECTED WITH IMPERMEABLE SHEETING WELL-SECURED AGAINST THE WIND. WHERE SLOPE FACES ARE TO BE TEMPORARILY EXPOSED FOR MORE THAN TWO WEEKS TEMPORARY HARD SURFACING SHALL BE PROVIDED AND TEMPORARY DRAINS SHALL BE INSTALLED.



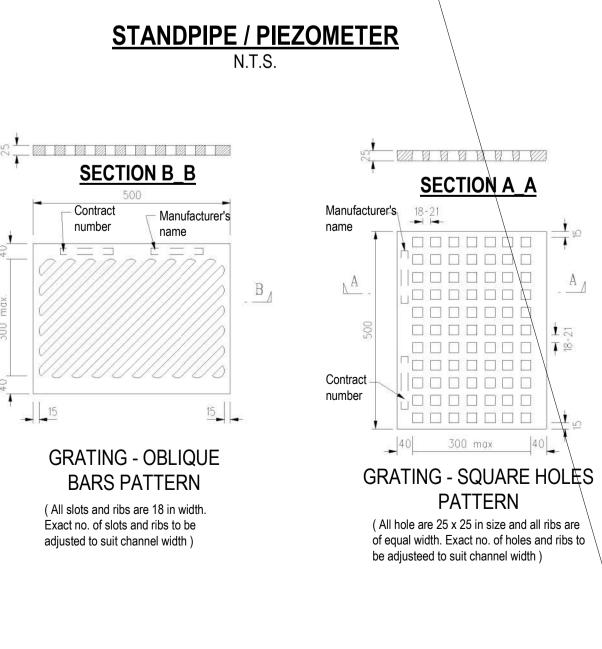
OVERVIEW IN 3D (FOR INFORMATION ONLY)



For Reference Only



DETAIL "X' (Scale 1:5)



- CEMENT BENTONITE GROUT (1:1 BY WEIGHT)

BENTONITE BALL

PIEZOMETER

- SAND FILTER

- CEMENT BENTONITE GROUT (1:1 BY WEIGHT)

PLASTIC TUBE

Ø19mm PERFORATED PVC PIPE WITH 2 LAYERS OF NYLON MESH

10mm SINGLE SIZE AGGREATE

BENTONITE BALL

DRAIN CONDUIT

BD REF **BIM REF** REV DATE AMENDMENT PROJECT CIC SAMPLE PROJECT DRAWING TITLE SITE FORMATION BLOCK PLAN SCALE As indicated@A1 DRAWING NO. REV. NO. T001 SOURCE ---90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop **BD's OFFICAL USE** 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)

LEGEND:

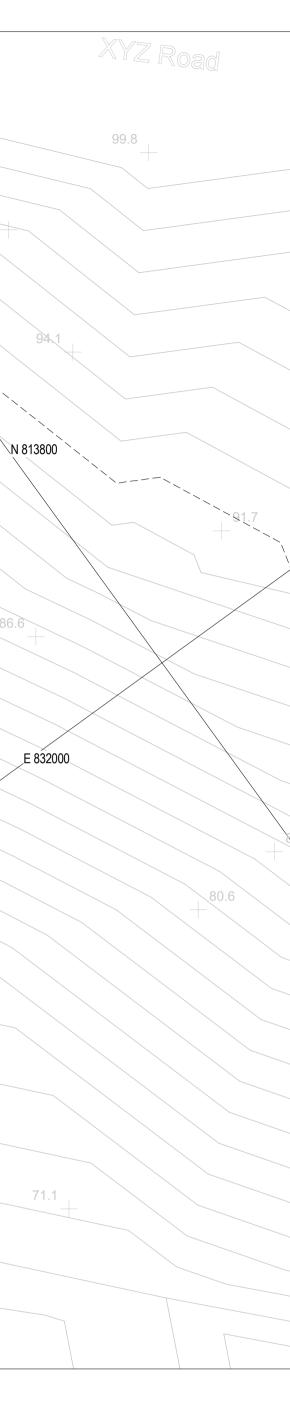
	SITE BOUNDARY
+5.0	SLOPE BERM / PLATFORM LEVEL
225UC	U-CHANNEL
====	RETAINING WALL
	CATCHPIT WITHOUT COVER
□ SN	SOIL NAIL
No.	SOIL CUT SLOPE
<u>Y</u> Y	SOIL FILL SLOPE
ŢŢ	ROCK CUT SLOPE
	ROCK FILL SLOPE
150	EXISTING GROUND PROFILE
150	FINAL SITE FORMATION LEVEL
DH1	PROPOSED VERTICAL DRILLHOLE WITH STANDPIPE PIEZOMETER
DH2 ↔	AVAILABLE EXISTING DRILLHOLES NEARBY THE PROJECT SITE

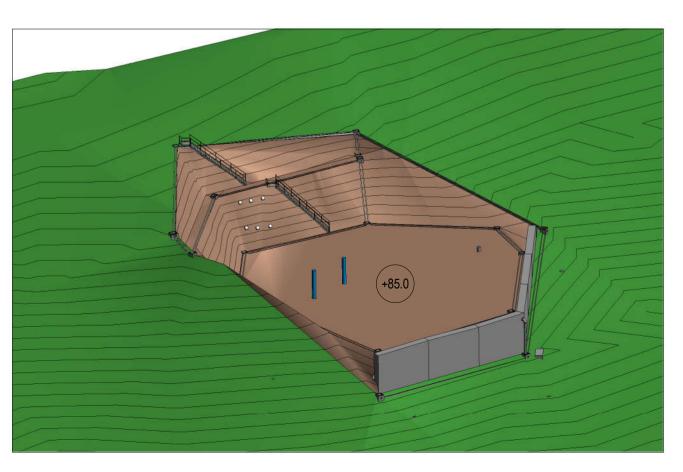
	CA	TCHPIT SCI	HEDULE		
Catchpit Base Slab Depth	Catchpit Depth	Catchpit Length	Catchpit Width	Catchpit Material	Count
150	655	800	800	Concrete Grade 20/20	16
150	655	989.18	800	Concrete Grade 20/20	1

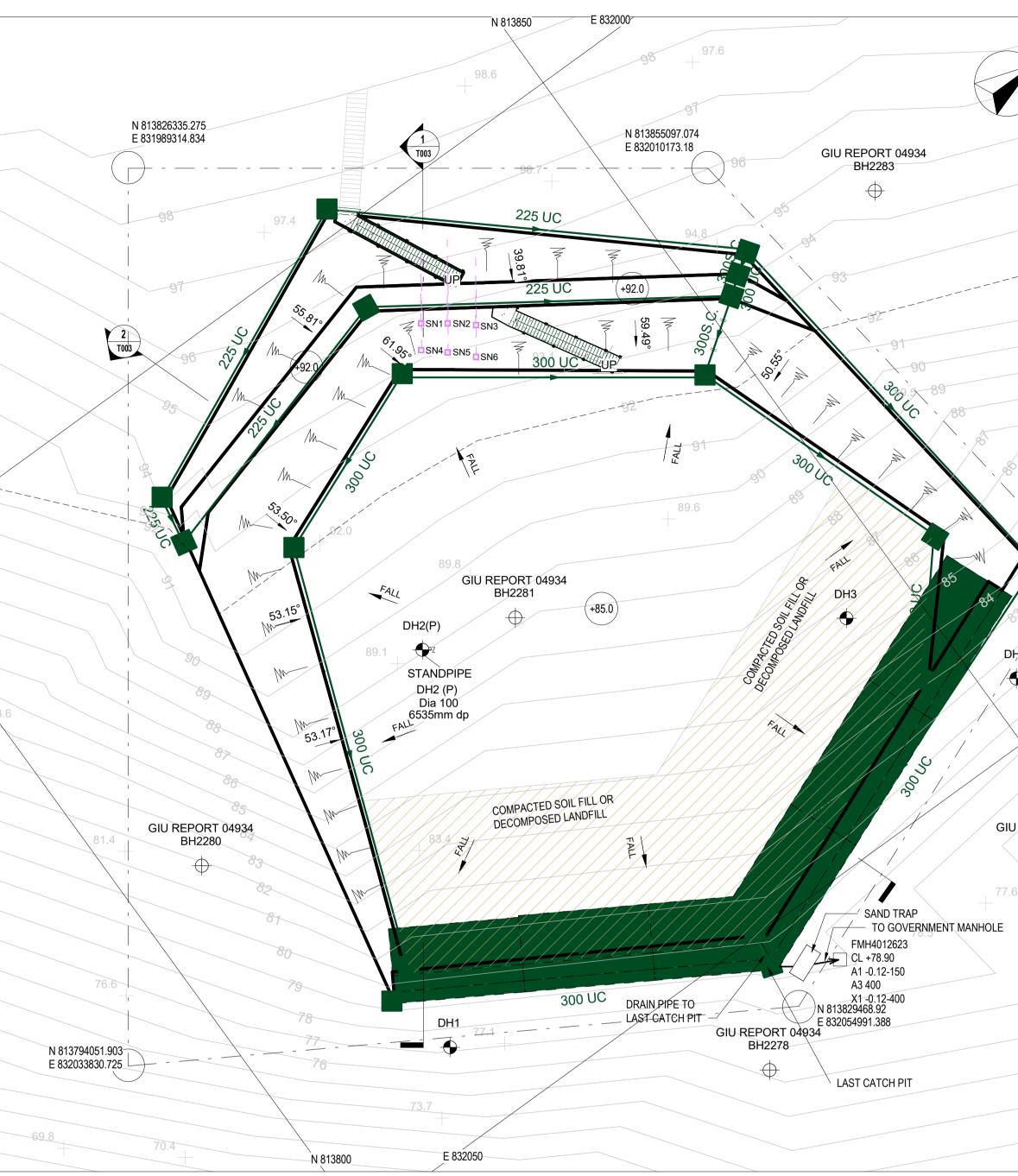
Grand total: 17

		SOIL N	AIL SCHEDU	LE		
		Soil Nail			Soil Nail	Soil Nail Total
Mark	Туре	Dia	Northing	Easting	Inclination	Length
SN1	Nail Head_400x400	50	813835.295	832007.543	20.00°	4000
SN2	Nail Head_400x400	50	813836.607	832008.495	20.00°	5000
SN3	Nail Head_400x400	50	813837.956	832009.604	20.00°	4000
SN4	Nail Head_400x400	50	813834.333	832008.869	20.00°	4000
SN5	Nail Head_400x400	50	813835.564	832009.933	20.00°	5000
SN6	Nail Head_400x400	50	813836.811	832011.183	20.00°	4000

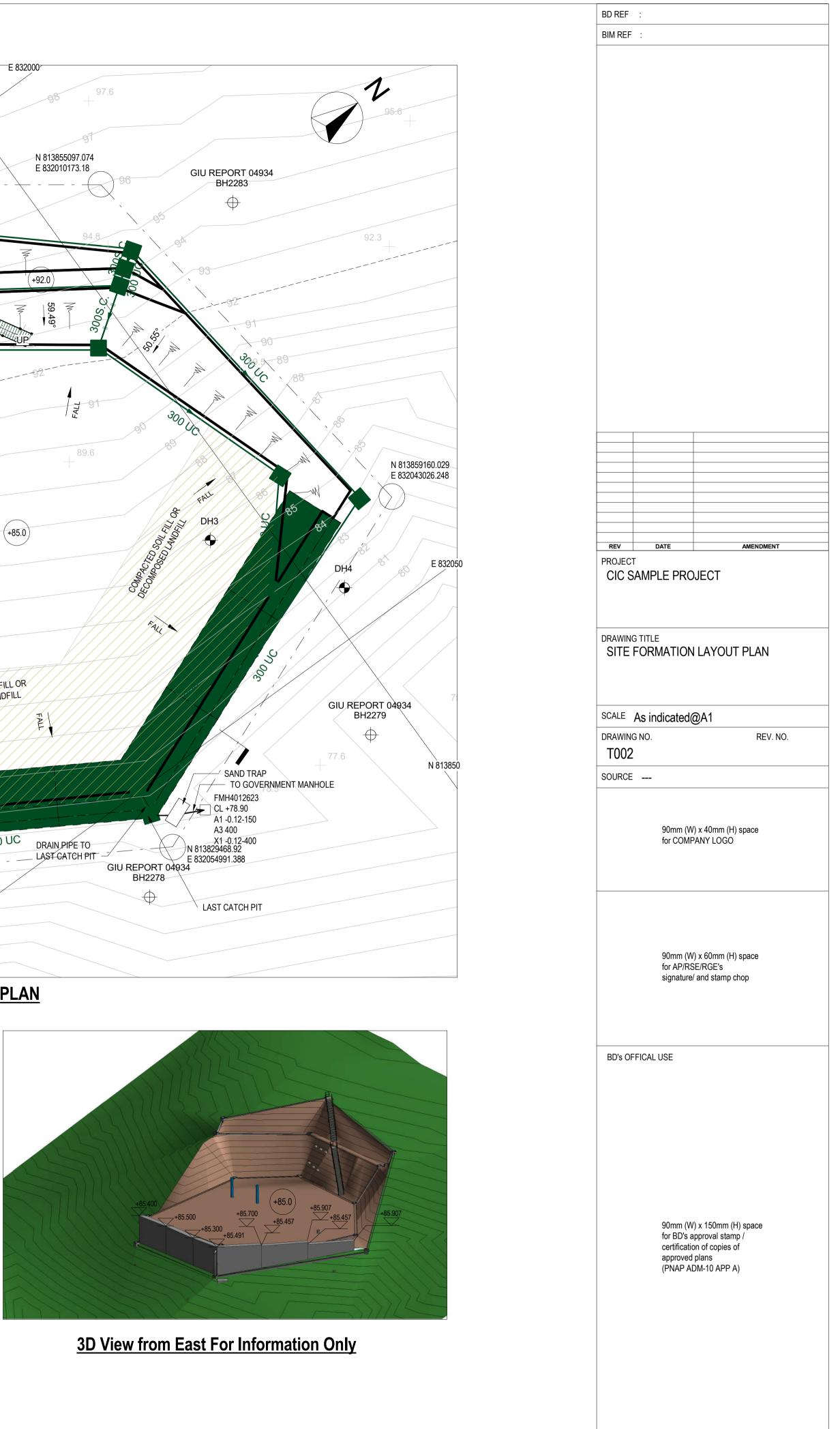
	GI Schedule	
Mark	Northing	Easting
DH1	813810690.2	832044484.336
DH2(P)	813823615.425	832023778.222
DH3	813845788.059	832037467.269
DH4	813852049.716	832046564.18



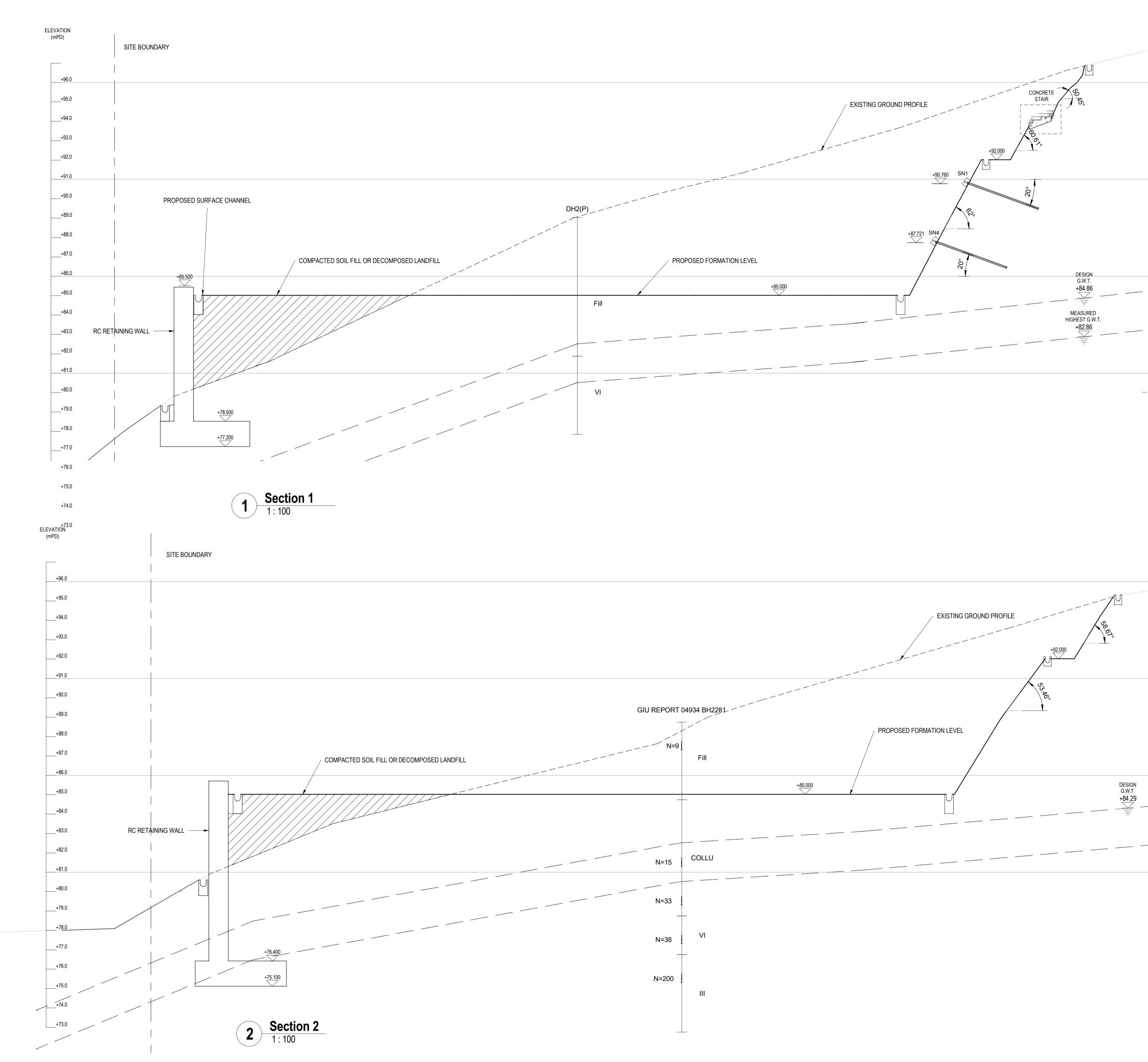




SITE FORMATION LAYOUT PLAN 1 : 200



3D View from South For Information Only



	BD REF			
	BIM REF	:		
SITE BOUNDARY				
	REV	DATE	AMENDMENT	
	PROJEC	T SAMPLE PRC	JECT	
	DRAWIN			
		FORMATION	SECTIONS	
	SCALE	1 : 100@A1		
SITE BOUNDARY	DRAWIN	G NO.	REV. NO.	
	SOURCE			
		90mm (W) x 40mm (H) space ANY LOGO	
			ANTLUGU	
		90mm (W for AP/RS) x 60mm (H) space E/RGE's ′ and stamp chop	
		90mm (W for AP/RS) x 60mm (H) space SE/RGE's	
		90mm (W for AP/RS) x 60mm (H) space SE/RGE's	
	BD's OI	90mm (W for AP/RS) x 60mm (H) space SE/RGE's	
	BD's OI	90mm (W for AP/RS signature) x 60mm (H) space SE/RGE's	
DESIGN G.W.T. +82.61	BD's Of	90mm (W for AP/RS signature) x 60mm (H) space SE/RGE's	
DESIGN G.W.T. +82.61	BD's OI	90mm (W for AP/RS signature) x 60mm (H) space SE/RGE's	
DESIGN G.W.T. +62.61	BD's Of	90mm (W for AP/RS signature) x 60mm (H) space SE/RGE's	
DESIGN G.W.T. +82.61	BD's Of	90mm (W for AP/RS signature) x 60mm (H) space SE/RGE's	
DESIGN G.W.T. +82.61	BD's Of	90mm (W for AP/RS signature FFICAL USE) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp /	
	BD's Ol	90mm (W for AP/RS signature FFICAL USE 90mm (W for BD's a certificatio) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp / on of copies of	
DESIGN G.W.T. +82.61	BD's Ol	90mm (W for AP/RS signature FFICAL USE 90mm (W for BD's a certificatio) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp /	
DESIGN GWT. +82.61 	BD's Ol	90mm (W for AP/RS signature FFICAL USE 90mm (W for BD's a certificatio) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp / on of copies of	
DESIGN GWT. +82.61 	BD's Of	90mm (W for AP/RS signature FFICAL USE 90mm (W for BD's a certificatio) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp / on of copies of	
DESIGN G.W.T. +82.61 	BD's Of	90mm (W for AP/RS signature FFICAL USE 90mm (W for BD's a certificatio) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp / on of copies of	
DESIGN GWT. +82.61 	BD's Of	90mm (W for AP/RS signature FFICAL USE 90mm (W for BD's a certificatio) x 60mm (H) space SE/RGE's ' and stamp chop) x 150mm (H) space pproval stamp / on of copies of	

GENERAL NOTES

- 1. THE WHOLE DRAINAGE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDINGS ORDINANCE AND BUILDING REGULATIONS AND THE CURRENT REGULATIONS OF HONG KONG ENVIRONMENTAL PROTECTION DEPARTMENT.
- 2. ALL DIMENSIONS AND PIPE SIZES SHOWN ON THE DRAWINGS ARE IN mm UNLESS OTHERWISE STATED.
- 3. WHERE THE WASTE PIPE FROM A WASTE FITMENT IS CONNECTED TO A SOIL PIPE, THE TRAP PROVIDED FOR EACH FITMENT SHALL HAVE A WATER SEAL NOT LESS THAN 80mm AND BE VENTED BY MEANS OF ANTISYPHONAGE PIPE OR ANTISYPHONAGE TRAP.
- 4. HORIZONTAL VENT PIPE SHALL BE INSTALLED IN A MANNER THAT THERE IS A CONTINUOUS FALL BACK AT A GRADIENT OF NOT LESS THAN 1 IN 300 INTO THE DISCHARGE PIPE SYSTEM. 5. UNLESS OTHERWISE STATED GRADIENT OF DRAIN PIPES SHALL BE AS FOLLOWS:-

UNELOU UTILI WIQE UTATI	
- 400	EALL 4 40
ø100	FALL 1 : 40
Ø150	FALL 1 : 70
ø225	FALL 1 : 100
Ø300 OR ABOVE	FALL 1 : 150

- 6. ALL UNDERGROUND PIPES SHALL BE PROVIDED WITH PIPE HAUNCHING OR SURROUNDED BY CONCRETE AS SHOWN ON DETAILS DRAWINGS. THE DRAINAGE SUB-CONTRACTOR SHALL CHECK THE SITE BEFORE CONSTRUCTION AND RECTIFY THE PROPOSED PIPE ROUTING. 7. INSPECTION PANELS OF ADEQUATE SIZE SHALL BE PROVIDED AT PIPE DUCTS AND SHAFTS
- FOR INSPECTION AND MAINTENANCE OF PIPES.
- 8. ALL BACK INLET TRAPPED GULLIES SHALL BE VENTILATED BY MEANS OF 80mm DIA. VENT PIPE. 9. ALL SOIL WASTE AND VENT STACKS SHALL BE CARRIED UP TO THE ROOF AND TERMINATED AT NOT LESS THAN 1000mm ABOVE THE ROOF OR AS SHOWN IN DRAWINGS.
- 10. EVERY ANTI-SYPHONAGE PIPE SHALL BE CONNECTED WITH BRANCH SOIL PIPE OR BRANCH WASTE PIPE AT A POINT NOT MORE THAN 300mm FROM TRAP OUTLET.
- 11. WHETHER SHOWN ON THE DRAWINGS OR NOT, SUFFICIENT ACCESS SHALL BE PROVIDED BY MEANS OF CLEANING EYES OR OTHER APPROVED METHOD TO ENABLE ALL DRAINAGE PIPES TO BE CLEARED OF ANY OBSTRUCTION. SUCH ACCESS POINTS SHALL BE SO SITED AT TO ALLOW CLEARANCE FOR THE EASY ENTRY OF CLEANING ROD.
- 12. ALL BENDS IN SOIL PIPES AND WASTE PIPES SHALL HAVE AN OBTUSE ANGLE AND HAVE THE LARGEST PRACTICABLE RADIUS OF CURVATURE. THE BENDS SHALL NOT CHANGE IN ANY WAY OF THE SECTION OF THE PIPE AND A CLEANING EYE SHALL BE PROVIDED AT OR NEAR THE BEND.
- 13. ALL FLOOR DRAINS ARE TO BE COMPLETED WITH FLAT GRATING. THEIR SIZE ARE NOTED AS FOLLOW:



- 14. THE SUB-CONTRACTOR SHOULD CHECK AND ALLOW ADEQUATE FALL FOR THE
- SOIL/WASTE PIPE RUNNING ON FLOOR LEVEL. 15. ALL PIPES PASSING THROUGH EXIT STAIRCASES, FIRE PROTECTED LOBBIES SHALL BE ENCLOSED IN FRR -/60/60 MATERIAL & BASEMENT IN FRR -/120/120 MATERIAL BY MAIN CONTRACTOR.
- 16. EXPANSION JOINTS SHALL BE PROVIDED FOR PIPEWORK PASSING THROUGH BUILDING
- EXPANSION JOINTS. 17. UNLESS OTHERWISE STATED, BRANCH PIPE SIZE SHALL BE AS FOLLOWS: WASTE BRANCH FOR EACH WASH BASIN 32mm WASTE BRANCH FOR EACH KITCHEN SINK 40mm WASTE BRANCH FOR EACH FLOOR DRAIN IN TOILET 50mm WASTE BRANCH FOR EACH SHOWER DRAIN IN TOILET 50mm WASTE BRANCH FOR EACH BATH IN TOILET 40mm WASTE BRANCH FOR EACH FLOOR DRAIN IN PLANT RM. 100mm SOIL BRANCH FOR EACH URINAL 40mm SOIL BRANCH FOR EACH WATER CLOSET 100mm
- VENT BRANCH FOR EACH WATER CLOSET 50mm VENT BRANCH FOR EACH URINAL 32mm 18. ALL MANHOLE AND BITG FRAMES AND COVERS (INCLUDING CAST IRON COVER AND MATCHING COVER) SHALL BE OF AN APPROVED DESIGN CONFORMING TO THE FOLLOWING REQUIREMENTS, UNLESS OTHERWISE INDICATED:
- a. INDOOR CARPARK AREA/DRIVE WAY HEAVY DUTY TYPE DOUBLE SEAL b. OUTDOOR CARPARK AREA/DRIVE WAY - HEAVY DUTY TYPE SINGLE SEAL c.INSIDE BUILDING - MEDIUM DUTY TYPE DOUBLE SEAL
- 19. ALL UNDERGROUND DRAINS ARE TO BE LAID ON A CONCRETE BED NOT LESS THAN 100mm THICK AND AT LEAST 150mm WIDER THAN THE PIPE BORE AND AUNCHED UP BOTH SIDES WITH CONCRETE TO MEET THE PIPE BARREL TANGENTIALLY.

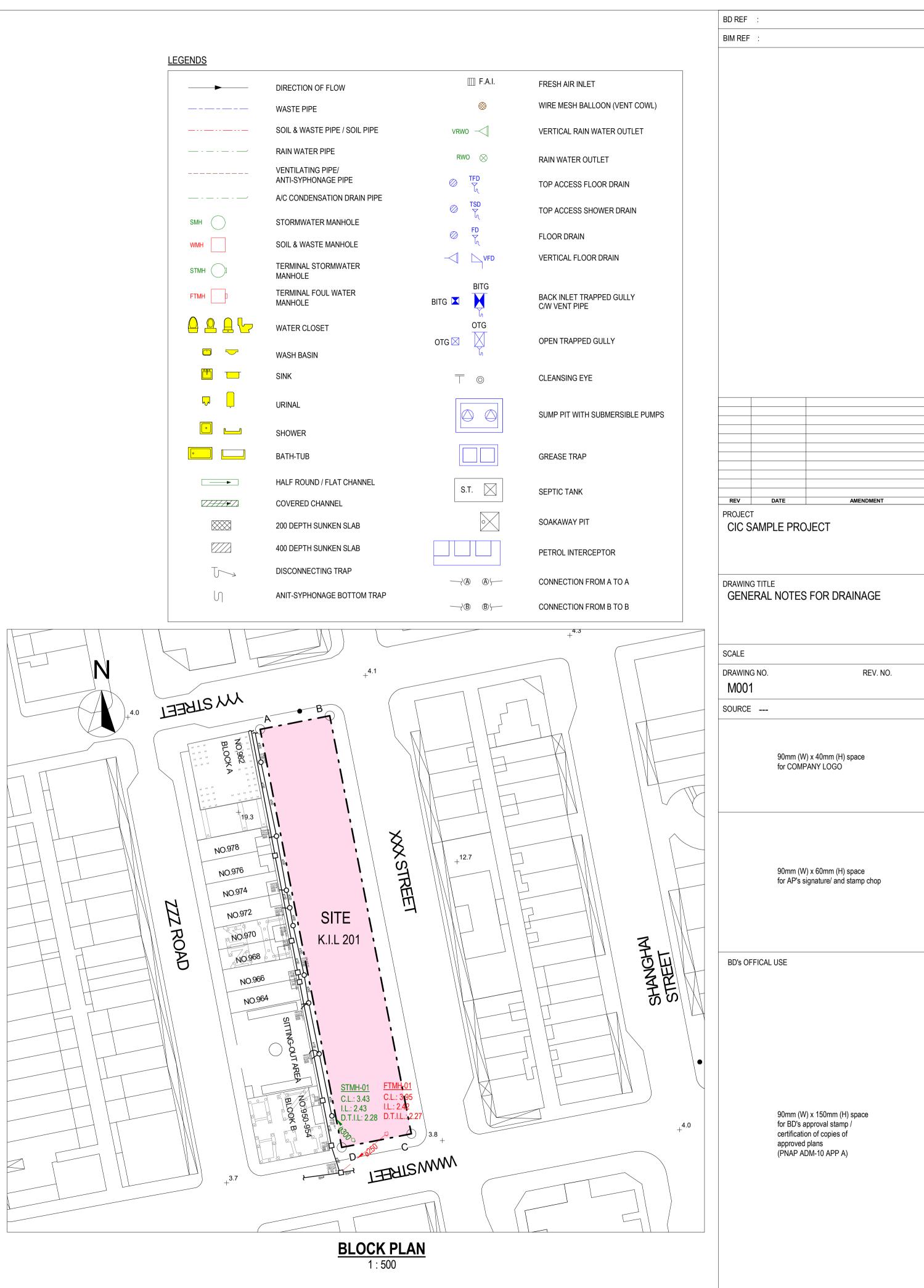
- 20. ALL INVERT LEVELS SHOWN ON MANHOLES ARE THE INVERT LEVEL OF THE MAIN
- CHANNELS IN THE CENTRE OF MANHOLES. 21. ALL UNDERGROUND DRAINS SHALL BE DULY TESTED AND COMPLIED WITH THE REQUIREMENT STATED ON PNRC 11 & PNAP APP-58 PRIOR TO THE BACKFILLING OF
- TRENCHES 22. WHETHER SHOWN ON THE DRAWING OR NOT, SUFFICIENT PROTECTIVE GUARD SH
- BE SUPPLIED AND INSTALLED BY MAIN CONTRACTOR. 23. POSITION OF MANHOLES SHALL BE CO-ORDINATE WITH OTHER TRADES/SERVICES. EXACT POSITION AND SET-OUT TO BE DETERMINED ON SITE.
- 24. CAST IRON AIRTIGHT BOLTED COVER SHALL BE USED TO BACK INLET TRAPPED GULLIES WHICH ARE SITUATED INSIDE BUILDING AND THE AIR TIGHT TRAPPED GUL SHALL BE VENTILATED.
- 25. EVERY STORM WATER PIPE WHICH DISCHARGE TO A CHANNEL OR A TRAP SHALL DISCHARGE AT A POINT NOT MORE THAN 150MM ABOVE THE TOP OF THE CHANNEL DISCHARGE INTO A TRAPPED AND VENTED INSPECTION CHAMBER.
- 26. SIZE OF TRAPS FOR FITMENTS SHALL BE THE SAME AS THE PIPE SIZE NOTED FOR FITMENTS.
- 27. FACES OF EVERY MANHOLE WITHIN SITE SHALL BE RENDERED WITH CEMENT MORT SO AS TO PROVIDE A SMOOTH AND IMPERVIOUS SURFACE.
- 28. UPON THE COMPLETEION OF DRAINAGE CONNECTION WORKS BY THE SUB-CONTRACTOR. A JOINT INSPECTION WITH D.S.D SHALL BE CARRIED OUT AND THE A BUILT SEWER AND STORMWATER DRAINS RECORDS WILL BE FURNISHED TO D.S.D. 29. ALL BENDING RADIUS OF THE UNDERGROUND PIPE SHOULD BE GREATER THAN 6
- TIMES OF THE PIPE DIA.. 30. ALL CONDENSATE DRAIN PIPES SHALL BE CONNECTED TO THE STORM WATER PIPE
- NOT REQUIRED TO CONNECT WITH ANTI SYPHONIC TRAP. 31. UNLESS OTHERWISE SPECIFIED, ALL FINISHED FLOOR GRADIENT SHALL BE 1 IN 100
- FALL 32. UNDERGROUND DRAIN SHALL HAVE AN INTERNAL DIAMETER OF NOT LESS THAN 100mm DIA.
- 33. BEFORE CONSTRUCTION OF THE DRAINAGE WORKS, THE SUB-CONTRACTOR SHOL CHECK THE EXACT LOCATION AND INVERT LEVELS OF THE EXISITNG GOVERNMEN
- PIPELINES AND MANHOLES. 34. ALL PIPES SHALL BE SURROUNDED WITH 150mm CONCRETE WHEN COVER DEPTH I
- LESS THAN 900mm UNDER ROAD AND 450mm UNDER FOOTWAY. 35. NO PIPE JOINTS SHALL BE PERMITTED WITHIN THE THICKNESS OF WALLS OR FLOO 36. FRESH AIR INLETS SHALL BE STRONG CAST IRON APPROX. 50MM(W)x115MM(H) x140 WITH CURVED BACK FIXING EATS CASTED ON FOR CONNECTION PIPE 100MM DIAMETER WITH POLISHED STAINLESS STEEL SKILLED FRONT SCREWED ON AND
- FOR REFERENCE ONLY FITTED WITH THIN ALUMINIUM-FLAP VALVE FIXED AT MINIMUM 2.5M ABOVE GROUNI LEVEL OR SHOWN ON THE DRAWINGS. 37. TRAPPED GULLIES SHALL BE WITH HINGED CAST IRON GRATING OR COVER WITH
 - FRAME. CAST IRON GULLY TRAP OF APPROPRIATE SIZE SHALL MATCH WITH THE DF PIPES AND PROVIDE A MIN. 75MM DEEP-WATER SEAL AND WITH MIN. 50MM DIAMETE VENT PIRE FOR SEALED COVER GULLY.
 - 38. FLOOR DRAINS OR VERTICAL GRATINGS SHALL BE SET IN POSITIONS AND SEAL THE CLEARANCE BETWEEN THE FLOOR DRAINS AND THE FLOOR SLABS AFTER INSTALLATION.
 - 39. DRAINAGE WORKS OUTSIDE LOT BOUNDARY ARE FOR BD REFERENCE ONLY. 40. CCTV AND MANHOLÈ SURVEY SHALL BE CARRIED OUT AT THE EARLY STAGE OF TH CONSTRUCTION AND THE COMPLETION OF THE WHOLE DRAINAGE SERVICES SYSTE THE EXTENT OF CCTV SURVEY SHALL SUBJECT TO ARCHITECT/ ENGINEER'S APPROVAL.
 - EARLY STAGE FROM GOVERNMENT MANHOLE EMH4055942 TO FMH4055943 - FROM GOVERNMENT MANHOLE SMH4074523 TO SMH4074524 - FROM GOVERNMENT MANHOLE SMH4074527 TO SMH4074529
 - COMPLETION FROM FOUL WATER TERMINAL MANHOLE FMH-B01 TO FMH4055942 OF SYSTEM - FROM GOVERNMENT MANHOLE FMH4055942 TO FMH4055943 - FROM STORM WATER TERMINAL MANHOLE T.SMH-101 TO SMH4074523 - FROM GOVERNMENT MANHOLE SMH4074523 TO SMH4074524 - FROM STORM WATER TERMINAL MANHOLE T.SMH-B01 TO SMH-B13
 - FROM GOVERNMENT MANHOLE SMH-B13 TO SMH4074527
 - FROM GOVERNMENT MANHOLE SMH4074527 TO SMH4074529
 - 41. SUNKEN TRENCH SHALL BE BACKFILL WITH LIGHT WEIGHT CONCRETE. CLEANSING EYE SHALL BE PROVIDED FOR PIPEWORKS INSIDE SUNKEN TRENCH.

	ABOVEGROUND:	GALVANIZED STEEL TUBE TO BS EN 10255 'MEDIUM' GRADE WITH SCREW JOINT FOR INSIDE PIPE DUCT &	ABBRE	VIATION		
ABOVEGROUND SOIL / WASTE /	Ø32 - Ø40 (INSIDE PIPE DUCT / PODIUM AREA)	PODIUM AREA OR UPVC PIPE TO BS EN 465*-1 / BS 4514 FOR INTERNAL AREA.	T/A	TO ABOVE	STG OTG	SEAL TR
SOIL & WASTE / RAIN WATER VENT PIPE	Ø50 - Ø300 (INSIDE PIPE DUCT / PODIUM AREA / WITHIN 2m FROM TRANSFER PLATE)	CAST IRON TO BS 416 / BS 437	T/B F/A F/B	TO BELOW FROM ABOVE FROM BELOW	WP SP	OPEN TE WASTE I SOIL PIF
	ALL SIZES (INSIDE SUNKEN SLAB / WITHIN SAME COMPARTMENT AREA)	UPVC PIPE TO BS 4514 / BS EN 1329-1	U/S	UNDERSLAB	RW VP	RAIN WA VENT PI
	Ø32 TO Ø65	UPVC PIPE TO BS 5255 & BS EN 1329				
	Ø80 - Ø150 (EXTERNAL & ABOVE 2m ABOVE TRANSFER PLATE))	UPVC PIPE TO BS 4514 / BS EN 1329-1	F/L H/L	FLOOR LEVEL HIGH LEVEL	U/G AFFL	UNDEF ABOVE FLOOF
	Ø350 AND ABOVE	DUCTILE IRON TO BS EN 598 WITH INTERNAL HIGH ALUMINA CEMENT COATING	M/L L/L	MID LEVEL LOW LEVEL	C/W P.I.	COMPI
PUMPED DRAINAGE PIPE	UP TO 005 FOR REFERENCE ONL	G.I. PIPES TO BS EN 10255 MEDIUM GRADE FOR Y ABOVEGROUND, HEAVY GRADE FOR UNDERGROUND	A/G	ABOVE GROUND	F.M.H. S.M.H.	FOUL
	Ø80 AND ABOVE	DUCTILE IRON TO BS EN 598 WITH INTERNAL HIGH ALUMINA CEMENT LINING			A1 A2	DRAIN
A/C CONDENSATE DRAIN SYSTEM	EXTERNAL AND ALL SIZES	UPVC PIPES AND FITTINGS TO BS EN 1329-1 / BS 4514			AZ A3	DRAIN
	INSIDE PIPE DUCT / PODIUM AREA / TRANSFER PLATE AND ALL SIZES	G.I. PIPE TO BS EN 10255 MEDIUM GRADE C/W 9mm ELASTOMERIC THERMAL INSULATION CLASS O			X1	DRAIN
UNDERGROUND SOIL / WASTE /	ø100 - ø225	CAST IRON TO BS 437				
SOIL & WASTE / RAIN WATER	ø250 - ø375	CAST IRON TO BS 1211 / BS 4622	DN GOVT.	DIAMETER(MM) GOVERNMENT	L	JPVC.P. U
VENT PIPE	Ø400 AND ABOVE	DUCTILE IRON TO BS EN 598	R.W.O.	RAIN WATER OULE		BITG B
UNDERGROUND SOIL AND WASTER PIPE CONNECT TO PUBLIC DRAINAGE SYSTEM	ALL SIZE	HIGH DENSITY POLYETHYLENE PIPES TO BS EN 12201-2:2011, PE 100.	C.I.P. C.D.P. CON. PI		N PIPE C	M.H. N D.T.I.L. D
UNDERGROUND RAIN WATER PIPE CONNECT TO PUBLIC DRAINAGE SYSTEM	ALL SIZE	CONCRETE PIPE TO BS EN 5911 PART 100 CLASS H	AP	ACCESS PANEL		

PIPEWORK MATERIAL SCHEDULE

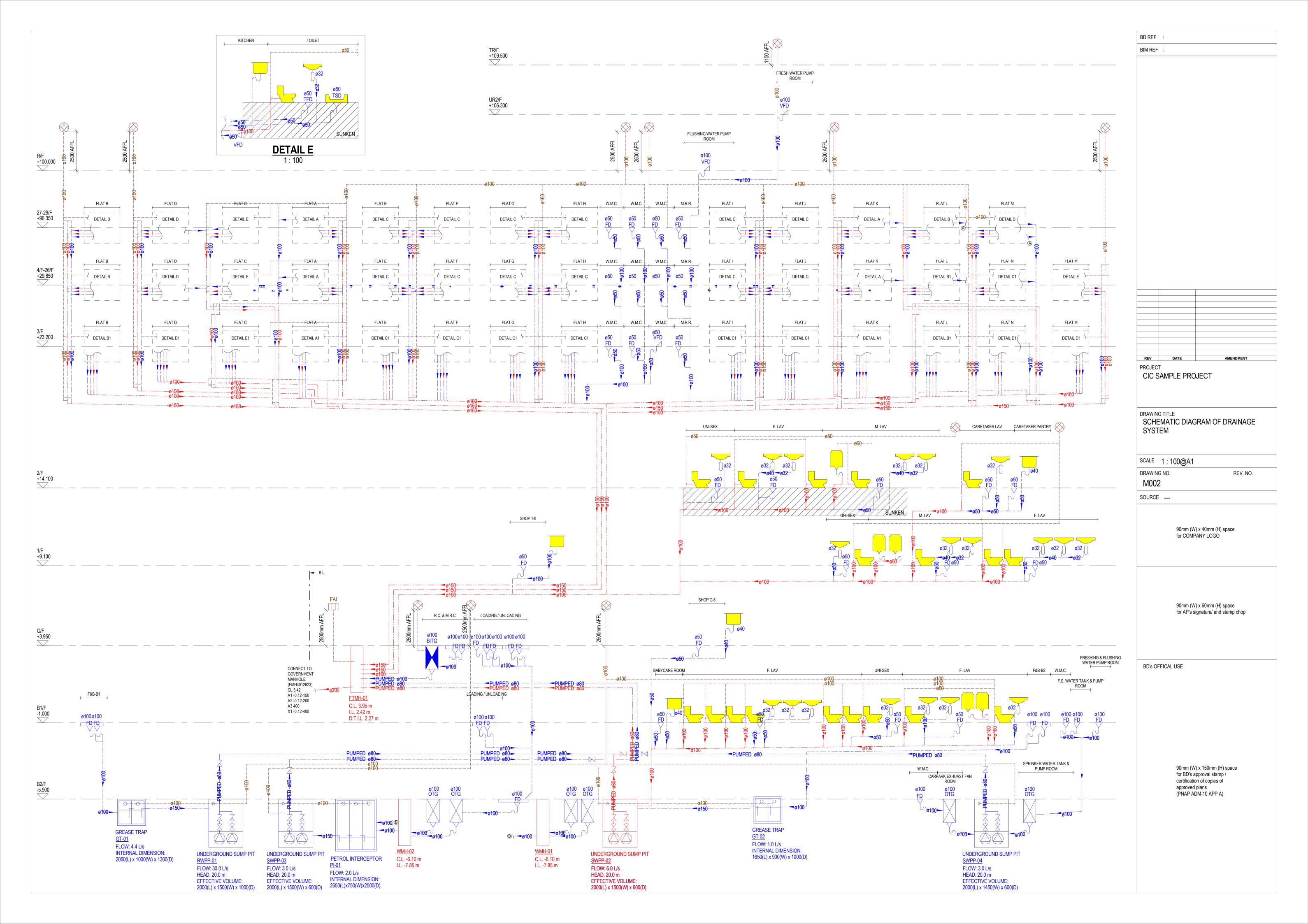
F			
HALL			
S.			
LLIES			
LOR			
RTAR			
AS).			
PE IS			
0			
ULD IT			
IS			
ORS. ∙0(D)			
ID			
RAIN ER			
łΕ			
HE TEM.			

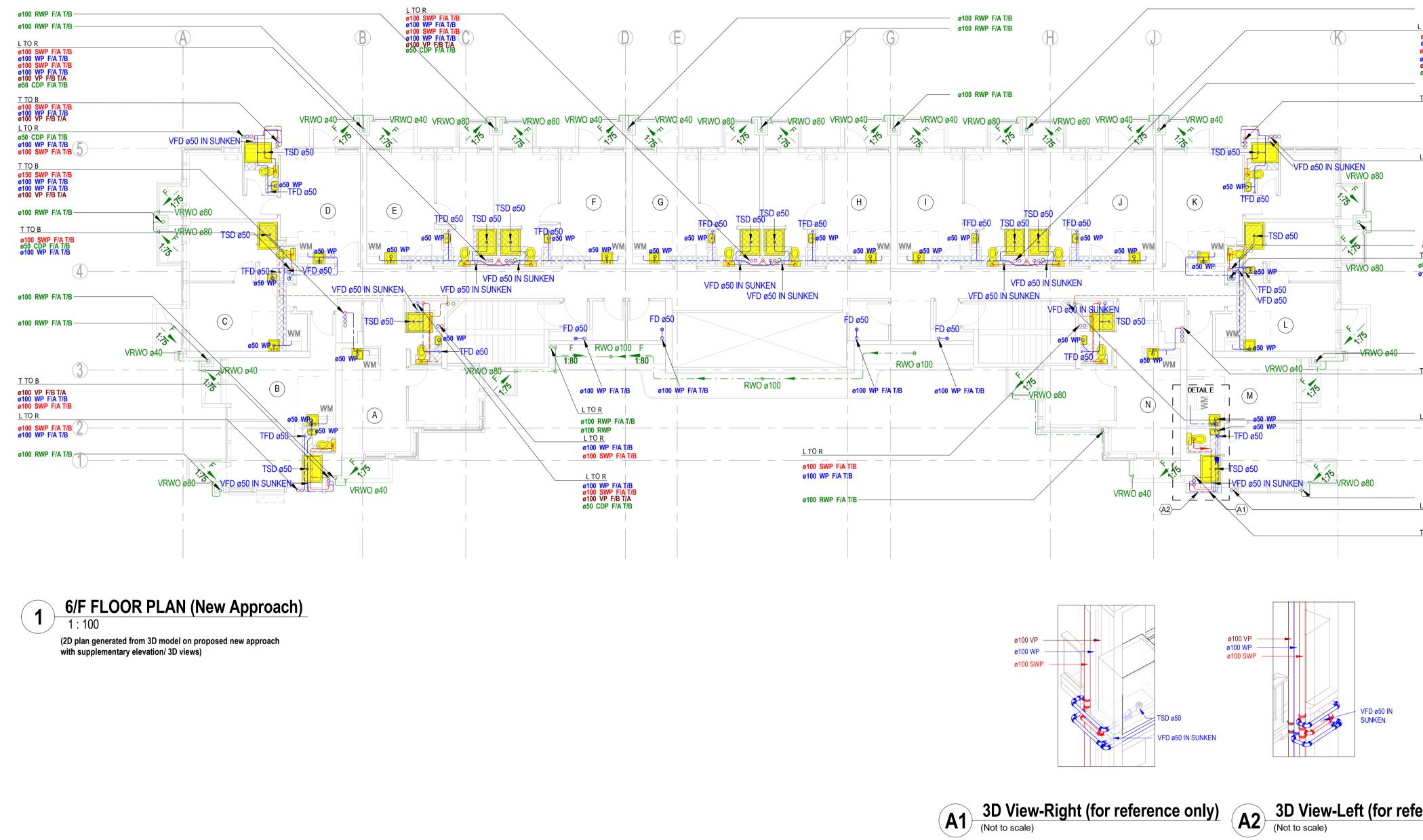
<u>)S</u>		
	DIRECTION OF FLOW	
	WASTE PIPE	
	SOIL & WASTE PIPE / SOIL PIPE	VRWO
/	RAIN WATER PIPE	RWO
	VENTILATING PIPE/ ANTI-SYPHONAGE PIPE	TT 🔘
	A/C CONDENSATION DRAIN PIPE	
н	STORMWATER MANHOLE	<u> </u>
н	SOIL & WASTE MANHOLE	Ø T
ин	TERMINAL STORMWATER MANHOLE	\prec
ИН	TERMINAL FOUL WATER MANHOLE	BITG 🔀
<u>e</u> e	WATER CLOSET	C
	WASH BASIN	OTG 🖂
	SINK	T
L	URINAL	
	SHOWER	
	BATH-TUB	
	HALF ROUND / FLAT CHANNEL	S.T.
<i>│ </i>	COVERED CHANNEL	
	200 DEPTH SUNKEN SLAB	
	400 DEPTH SUNKEN SLAB	
Ţ	DISCONNECTING TRAP	
Ŋ	ANIT-SYPHONAGE BOTTOM TRAP	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~



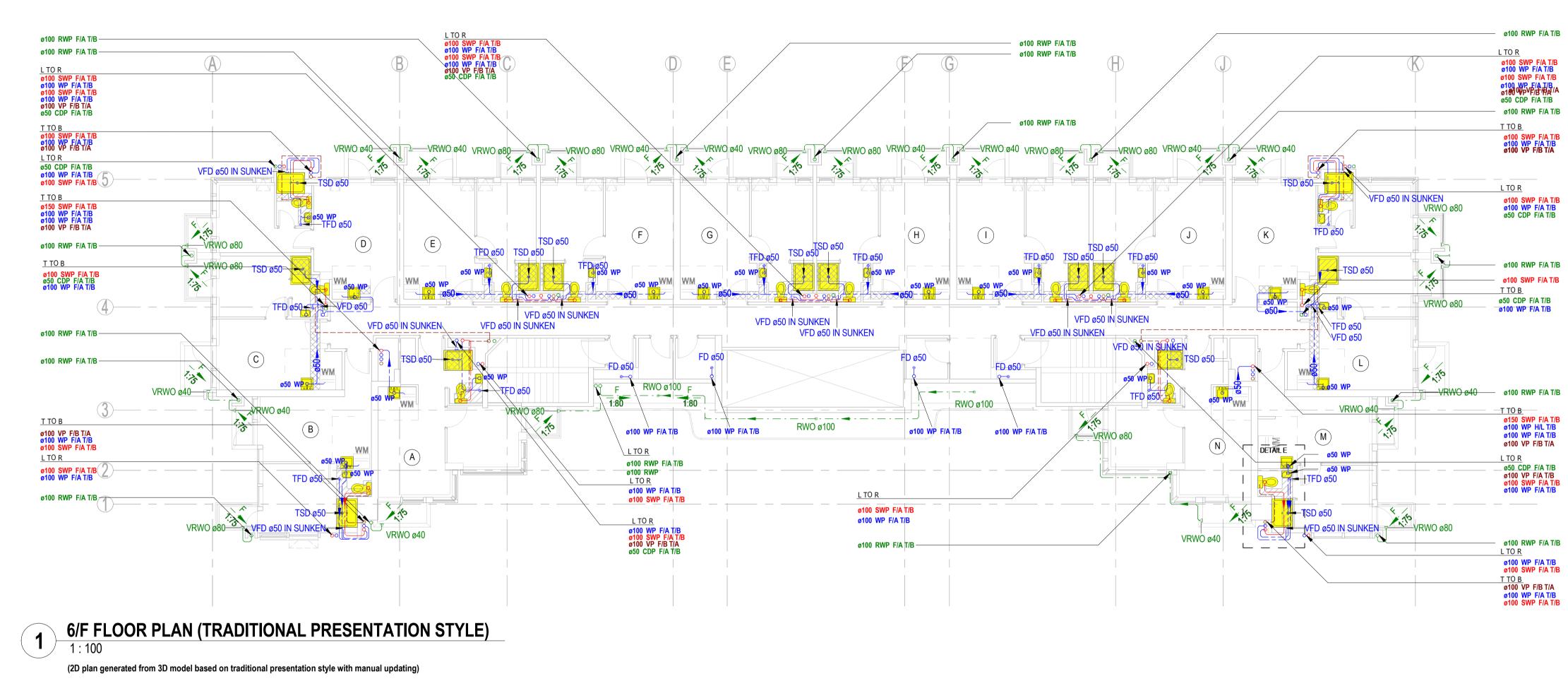
<u>LO</u>	C	K	Ρ	LA
	1:	50	00	

SEAL TRAPPED GULLY OPEN TRAPPED GULLY WASTE PIPE SOIL PIPE RAIN WATER VENT PIPE	•••••	••••••
UNDERGROUND ABOVE FINISHED FLOOR LEVEL COMPLETE WITH PETROL INTERCEPTOR H. FOUL WATER MANHOLE H. STORM WATER MANHOLE DRAIN INLET PIPE 1 DRAIN INLET PIPE 2 DRAIN INLET PIPE 3 DRAIN OUTLET PIPE 1	F.D. V.G. C.L. I.L. A/C C.E. TFD TSD VRWO	FLOOR DRAIN VERTICAL GRATING COVER LEVEL INVERT LEVEL AIR CONDITIONING CLEANING EYE TOP ACCESS FLOOR DRAIN TOP ACCESS SHOWER DRAIN VERTICAL RAIN WATER OUTLET
UPVC.P. UNPLASTICIZED POLY CHLORIDE PIPE BITG BACK INLET TRAPPEL M.H. MANHOLE D.T.I.L. DISCONNECTING TRA INVERT LEVEL	O GULLY	

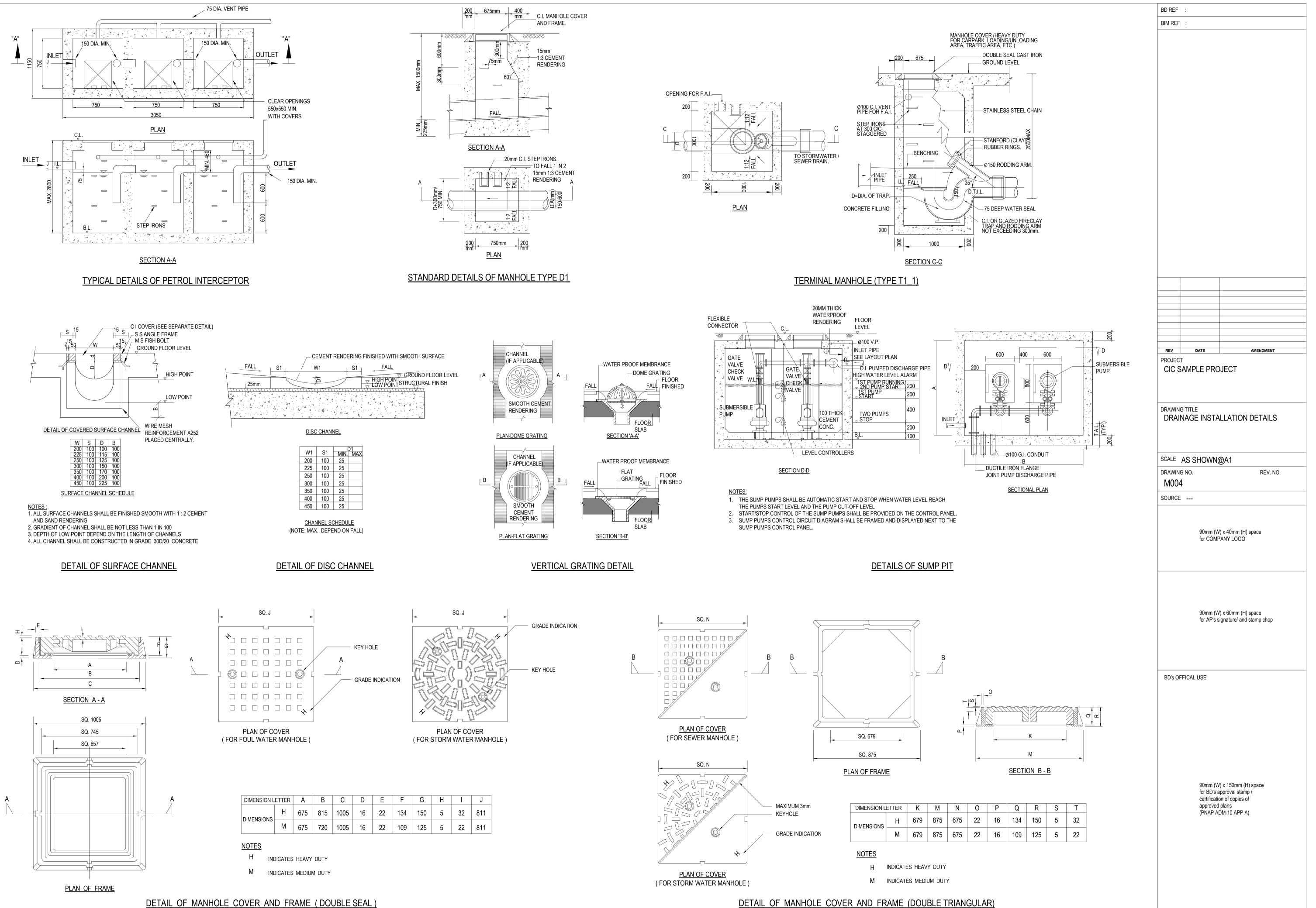




	BD REF	:	
	BIM REF	:	
— ø100 RWP F/A T/B			
L TO R Ø100 SWP F/A T/B Ø100 WP F/A T/B Ø100 SWP F/A T/B Ø100 WP F/A T/B Ø100 VP F/B T/A Ø50 CDP F/A T/B Ø100 RWP F/A T/B			
<u>T TO B</u> ø100 SWP F/A T/B ø100 WP F/A T/B ø100 VP F/B T/A			
L TO R ø100 SWP F/A T/B ø100 WP F/A T/B ø50 CDP F/A T/B			
 Ø100 RWP F/A T/B Ø100 SWP F/A T/B T TO B Ø50 CDP F/A T/B Ø100 WP F/A T/B 			
— ø100 RWP F/A T/B			
<u> </u>			
©100 VP F/B T/A L TO R 	REV PROJEC CIC S	date T SAMPLE PRC	amendment
 Ø100 RWP F/A T/B L TO R Ø100 WP F/A T/B Ø100 SWP F/A T/B 		NAGE LAYO	UT PLAN FOR (NEW APPROACH)
T TO B ø100 VP F/B T/A ø100 WP F/A T/B ø100 SWP F/A T/B			, , ,
	SCALE DRAWIN	1 : 100@A1 IG NO.	REV. NO.
	M003		
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
farran a a mhu)			
ference only)		90mm (W for AP's s	/) x 60mm (H) space signature/ and stamp chop
	BD's O	FFICAL USE	
		for BD's a certification approved	/) x 150mm (H) space approval stamp / on of copies of l plans DM-10 APP A)



BIM REF	
	:
REV	DATE AMENDMENT
PROJECT	
CIC SA	AMPLE PROJECT
DRAWING	TITLE
DRAIN	IAGE LAYOUT PLAN FOR
	AL FLOOR (TRADITIONAL STY
SCALE	1 : 100@A1
M003a	a
SOURCE	
	90mm (W) x 40mm (H) space
	for COMPANY LOGO
	A
	90mm (W) x 60mm (H) space for AP's signature/ and stamp chop
	for AP's signature/ and stown chan
	for AP's signature/ and stamp chop
	for AP's signature/ and stamp chop
	for AP's signature/ and stamp chop
	for AP's signature/ and stamp chop
BD's OFF	for AP's signature/ and stamp chop
BD's OFF	
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's OFF	FICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of



DETAIL OF MANHOLE COVER AND FRAME (DOUBLE TRIANGULAR)

(N. T. S.)

	STORM WATE	R MANHOLI	E SCHEDUL	E	
MANHOLE NO.	DRAIN DIAMETER (mm)	C.L.	11	DEPTH (mm)	TYPE
SMH-01	150	-6.15	-7.9	1750	D1
Grand total: 1	150	-0.15	-7.9	1750	

Grand total: 1

	FOUL WATE	r manhole	SCHEDULE	E	
	DRAIN DIAMETER				
MANHOLE NO.	(mm)	C.L.	I.L.	DEPTH (mm)	TYPE
WMH-01	150	-6.1	-7.85	1750	D1
WMH-02	150	-6.1	-7.85	1750	D1
Grand total: 2					

Grand total: 2

	FOUL WATE	R TERMINAL	MANHOLE	SCHEDULE		
MANHOLE NO.	DRAIN DIAMETER (mm)	C.L.	I.L.	D.T.I.L.	DEPTH (mm)	TYPE
FTMH-01	225	+3.95	+2.42	+2.27	1680	T1_1
Grand total: 1						

	STORM WATE	R TERMINA	L MANHOLE	SCHEDULE	E	
MANHOLE NO.	DRAIN DIAMETER (mm)	C.L.	I.L.	D.T.I.L.	DEPTH (mm)	TYPE
STMH-01	225	+3.43	+2.43	+2.28	1150	T1_1
Grand total: 1						

Grand total: 1

PE	TROL INTER	CEPTOR S	CHEDULE	
PETROL INTERCEPTOR NO.	C.L.	I.L.	B.L.	DEPTH (mm)
PI-01	-5.9	-6.9	-8.4	2500
Grand total: 1				

		SUMP PIT	SCHEDULE				
						PUMP DU	TY (EACH)
SUMP PIT NO.	SUMP PIT SIZE (LxWxD)	C.L.	I.L.	B.L.	PUMP NO.	FLOW (I/s)	HEAD (m)
RWPP-01	2000(L) x 1500(W) x 1000(D)	-5.85	-6.5	-8	RSP01-01,02	30.0	20
SWPP-02	2000(L) x 1500(W) x 600(D)	-5.85	-6.5	-7.5	SSP02-01,02	6.0	20
SWPP-03	2000(L) x 1500(W) x 600(D)	-5.85	-6.5	-7.5	SSP03-01,02	3.0	20
SWPP-04	2000(L) x 1450(W) x 600(D)	-5.85	-6.5	-7.5	SSP04-01,02	3.0	20
Grand total: 4					,		

Grand total: 4

GRE	ASE TRAP S	SCHEDULE	
GREASE TRAP NO.	C.L.	B.L.	DEPTH (mm)
GT-01	-5.9	-7.2	1300
GT-02	-5.9	-6.9	1000
Grand total: 2			1

Grand total: 2

BIM REF			
REV		DATE	AMENDMENT
PROJEC		LE PRC).IFCT
SCALE	AS S	HOWN	@A1
DRAWIN			REV. NO.
M008	5		
SOURCE			
		90mm (W	/) x 40mm (H) space
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
		90mm (W for COMF	/) x 40mm (H) space PANY LOGO
		for COMF	PANY LOGO /) x 60mm (H) space
		for COMF	PANY LOGO
		for COMF	PANY LOGO /) x 60mm (H) space
		for COMF	PANY LOGO /) x 60mm (H) space
		for COMF	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's Of	FFICAL	for COMF 90mm (W for AP's s	/) x 60mm (H) space signature/ and stamp chop
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a	/) x 60mm (H) space ignature/ and stamp chop
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans
BD's Of	FFICAL	90mm (W for AP's s USE 90mm (W for BD's a certification approved	/) x 60mm (H) space ignature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of plans

Software 2

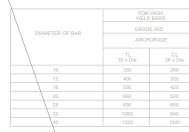
GENERAL NOTES FOR REINFORCED CONCRETE STRUCTURE:

1. DESIGN TO COMPLY WITH :

- . HONG KONG BUILDING (CONSTRUCTION) REGULATION, 1990 THE STRUCTURAL USE OF CONCRETE, 2013 CODE OF PRACTICE ON WIND EFFECTS, HONG KONG, 2004 CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS, 2011 CODE OF PRACTICE FOR FIRE SAFETY IN BUILDINGS, 2011
- ALL STRUCTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND HER RELEVANT DRAWINGS
- 3. STEEL REINFORCEMENTS FOR CONCRETE SHALL COMPLY WITH THE CONSTRUCTION STANDARD CS2 2012 MINIMUM CHARACTERISTIC STRENGTH OF: 500MPa FOR HIGH YIELD STEEL BAR GRADE 50000, 250MPa FOR MILD STEEL BAR GRADE 250.

4. MINIMUM BONDIAP LENGTH OF REINFORCEMENT FOR ALL STRUCTURAL ELEMENTS SHALL BE AS SPECIFIED IN THE FOLLOWING SCHEDULE:





LEGEND :

1. TL = LAP OR LENGTH UNDER TENSION OR LAP LENGTH UNDER COMPRESSION 2. CL = ANCHORAGE LENGTH UNDER COMPRESSION

3. NO SPLICING OF REINFORCEMENT OTHER THAN THOSE SHOWN ON THE DRAWING IS ALLOWED UNLESS OTHERWISE APPROVED BY THE ENGINEER AND TL SHALL BE PROVIDED. 4. NOMINAL LAP AND ANHORAGE FOR DISTRIBUTION BARS TO BE 300 OR NL WHICHEVER THE GREATER. LAP LENGTH FOR UNEQUAL SIZE BARS SHALL BE BASED UPON THE SMALLER BAR. FOR THE FOLLOWING PROVISIONS 00 OR) APPLY. THE LAP LENGTH SHOLD BE INCREASED BY A FACTOR OF 1.4

a) WHERE A LAP OCCURS AT THE TOP OF A SECTION AS CAST AND THE MINIMUM COVER IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMENT.

b) WHERE A LAP OCCURE AT THE CORNER OF A SECTION AND THE MINIMUM COVER TO EITHER FACE IS LESS THAN TWO FTHE SIZE OF THE LAPPER DEINFORCEMENT. OR WHERE THE ACLE AR DISTANCE BETWEEN ADJACENT LAPS IS LESS THAN 75mm OR SIX TIMES THE SIZE OF THE LAPPED REINFORCEMENT. WHICH EVER IS THE GREATER.

IF BOTH PART a) & b) CONDITION APPLY, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 2.0. 5. ALL NOMINAL LAPS OF DISTRIBUTION BAR FOR SLABS AND WALLS SHALL BE 300 MINIMUM UNLESS

6. FOR DETAILS OF STRUCTURAL FALLS SEE APPOPPHATE STRUCTURAL AND ADCHITECTURAL DRAWINGS.

7. CONCRETE TO BE DESIGNED MIX CONCRETE AS SPECIFIED IN THE FOLLOWING SCHEDULE TO CS1:2010 AND THE GRADE DESIGNATIONS GIVEN ARE THE CHARACTERISTIC CUBE STRENGTH AT SA DAYS AND THE MAXIMUM AGGREGATE SUE2 20mm. UNLESS OTHERWISE STARTED ON THE DRAWINGS.

	\
MEMBER	GRADE
EAM, SLABS AND WALLS	C45/20
OLUMNS	C45/20
VATER TANKS	C45/20

8. THE EQUIVALENT SODULIA OXIDE IN CONCRETE MIX SHALL NOT EXCEED 3.0 KG PER CUBIC METER OF CONCRETE. CORRESPONDING TEST CERTIFICATES ON ALKALL CONTENT IN COMENT, ADMIXTURES. AGGREGATE ETC., ISSUED BY A HOKLAS LABORATORY AND CALCULATION OF THE EQUIVALENT SODIUM OXIDE SHOULD BE SUBMITTED TO THE RSE QUARTERLY.

CONCRETE CUBES SHALL BE MADE AND TESTED WITH TEST REPORT IN ACCORDANCE WITH THE POVISIONS OF THE HONG KONG BUILDING CONSTRUCTION REGULATIONS : 1990 AND THE CONSTRUCTION STANDARD CS1 : 2010, EXCEPT SECTION 7.1 .

			\		
IN CONTACT WITH EARTH	SLAB	STAIR	BEAM	COLUMN	WALL
1.1 CAST ON BLINDING	50	50	50	50	50
1.2 CAST AGAINST SOIL	75	75	75	75	75

				\
		NCRETE COVER		NOMINAL COVER FOR
	120 MINS. F.R.P.		240 MINS. F.R.P.	DURABILITY
SLAB, SIMPLY SUPPORTED	35	25	55*	35
SLAB, CONTINUOUS	25	25	45*	35
STAIR	35	25	55*	35
BEAM, SIMPLY SUPPORTED	50*	30	80*	40
BEAM CONTINUOUS	50	30	60*	40
COLUMN	35	25	35	35
WALL	25	25	25	35
WALL SLAB FOR WATER TANK	40	40	40	40

REINFORGEMENT CONSISTING OF EXAMPLED METAL LATH OR, A WIRE FARING NOT LIGHTER THAN INFORMATION DUMIETER WIRE THAN TO MORE THAN 100mm CENTRES OR A CONTINUOUS IRRANGEMENT OF LINKS AT NOT MORE THAN 200mm CENTRES SHALL BE INCORPORATED IN THE CONCRETE COVER AT A DISTANCE NOT EXCEEDING 200m FROM THE FACE OF THE STRUCTURAL IEMBERS SURROUNDING THE PLANTIMACHINE ROOMS AND AT OTHER AREAS REQUIRING 120 MINE R.P. AS SPECIFIED IN THE GENERAL BUILDING PLANS.

a. The JOINT IN A BEAH TO BE VERTICAL AND AT ONE-THID OF THE SPAN. b. THE JOINT IN A SLAB TO BE VERTICAL AT ONE-THID OF THE PANEL AND DRALLEL TO THE REINFORCEMENT c. THE JOINT IN COLLIMNS TO BE AT THE UNDERSIDE OF THE LOWEST BEAM OVER THE COLLIMINS OR AT 75mm ABOVE FLOOR EVEL. 13. CONSTRUCTION JOINTS WHERE NOT SHOWN SHOULD BE LOCATED TO THE APPROVAL OF THE ENGINEER 14. DURING CONSTRUCTION THE STRUCTURE SHOULD BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED APPLE BE UNLIANTED ELEMENTS QUES NOT INCLUDE THICKNESS OF APPLIED FINISHES. 16. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE. 17. PIPES OR CONDUTTS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER. FOR REFERENCE ONLY 18. WATER BORNE PIPES SHALL NOT BE PLACED WITHIN R.C. CONCRETE WITHOUT THE APPROVAL OF THE BUILDINGS DEPARTMENT, AP AND RSE. 19. SPACER BARS SHALL BE OF DIAMETER = 25mm OR DIAMETER OF MAIN BAR WHICHEVER IS GREATER 20. ALL ROOF SCREEDING TO BE LIGHT WEIGHT CONCRETE OF DENSITY BETWEEN 1600 TO 1700kg/3 AND MINIMUM CUBE STRENGTH Uw=21Milm2 AT 28 DAYS. 21. ALL BEAM SIZE TO BE READ AS BREADTH x DEPTH 22. ALL LEVELS SHOWN IN FRAMING PLANS TO BE STRUCTURAL FLOOR LEVEL. (LEGEND : 108.7 SFL STRUCTURAL FLOOR LEVEL AT 108.7 mPD.) 24. ALL EARTH BACKFILLING TO BE COMPACTED TO 95% OF MAX. DRY DENSITY TO BS 1377-TI 25. ALL BENT TO STEEL REINFORCEMENT SHALL COMPLY WITH BS 8666:2000



NUMBER OF BARS: 16 TYPE OF STEEL: T (HIGH YIELD STEEL BAR GRADE 500)/ DIAMETER OF BARS: 32mm PITCH OF BARS (IF APPLICABLE): 200 mm

NUMBER OF BARS: 16 TYPE OF STEEL: T (HIGH YIELD STEEL BAR GRADE 500)/ DIAMETER OF BARS: 32mm PITCH OF BARS (IF APPLICABLE): 200 mm

NOTES FOR ANNOTATION OF BARS :

1. ALL DIMENSIONS SHOWN ARE IN mm.

WATERSTOP :

CONSTRUCTION JOINTS TO BE POSITIONED AS FOLLOWS

N LIIS YYY +4.1 +4.0 -0 NO.982 CENTER ::: XXX N0978 0 23 STREET SITE 111 ROAD F \bigcirc AREA ПĘ H <u>المان الق</u> YYY STREET , 3.7

1

BLOCK PLAN 1.500





ANY DISCREPANCY FOUND BETWEEN THE DETAILS SHOWN IN THIS DRAWING AND THAT SHOWN IN DETAILED DRAWINGS SHALL BE REPORTED TO THE ENGINEER FOR DIRECTION.

NOTES FOR CONSTRUCTION OF CANTILEVERED BEAM & SLAB :

ALL CANTILEVERED PROJECTIONS SHOULD BE CAST MONOLITHICALLY WITH AND AT THE SAME TIME AS THE DIRECTLY SUPPORTING MEMBERS. CONSTRUCTION JOINTS MUST NOT BE LOCATED ALONG THE EXTERNAL EDGE OF THE SUPPORTING MEMBERS.

2. ADEQUATE BAR SPACERS SHOLD BE PROVIDED TO MAINTAIN THE POSITION AND ALIGNMENT OF THE STEEL REINFORCEMENT. DURING CONCRETING, ADEQUATE COMPACTION SHOULD BE GIVEN TO ENSURE GOOD QUALITY CONCRETE: EVERY ENDEAVOUR SHOULD ALSO BE MADE TO AVOID STEEL REINFORCEMENT FROM BEING DISPLACED OR DEPERSENT.

4. ALL PROPPING TO THE SOFFIT OF THE FORMWORK FOR THE CANTILEVERED PROJECTIONS SHOULD BE MAINTAINED FOR AT LEAST 14 DAYS.

a) FOR LOCATIONS AND DETAILS OF WATERSTOP AT EXPANSION JOINTS, CONSTRUCTION JOINTS ETC. REFER TO ALL RELEVANT DRAWINGS. JOINT NOT SPECIFIED SHALL RECEIVE THE PRIOR APPROVAL BY THE NGINEER.

b) TYPE OF WATERSTOPS SHALL BE AS SPECIFIED IN THE CONTRACT OR TO THE APPROVAL OF THE ENGINEER.

d) PROPERTO CONCORETING, THE WITERSTORE PALL BE MALED, CLIPPED OR THEIR WITH HIME TO ITS CORRECT FOOTION BECUBERY, WID ADDROVED BETTINE UP SANDO OF SHORE OF SUBCH NALING, CLIPPED THES SHALL BE IN ACCORDANCE WITH THE RECOMMENDATION OF THE MANUFACTURER AND TO THE UPPROVAL OF THE ENGINEER. a) CARE SHALL BE TAKEN TO AVOID ANY AIR VOIDS BEING TRAPPED BETWEEN THE WATERSTOP AND THE SURROUNDING CONCRETE.

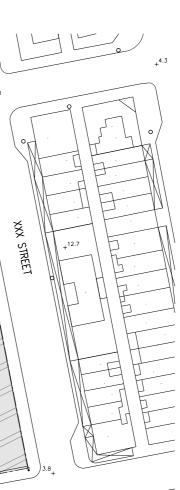
1) SURROUNDING STEEL REINFORCEMENT SHALL NOT BE PLACED IN CONTACT WITH THE WATERSTOP, MINIMUM SPACING TO BE 40mm.

e) DETAIL OF FIXING OF WATERSTOOD SUAL BE IN ACCORDANCE WITH THE RECOMMENDA MANUFACTURER. FOR REFERENCE ONLY

2. ALL CONCRETE USED IN WATER RETAINING STRUCTURE SHALL BE WATERPROOFING CO COMPLY WITH BS8007.

3. BAR REFERENCING : FOR REFERENCE ONLY

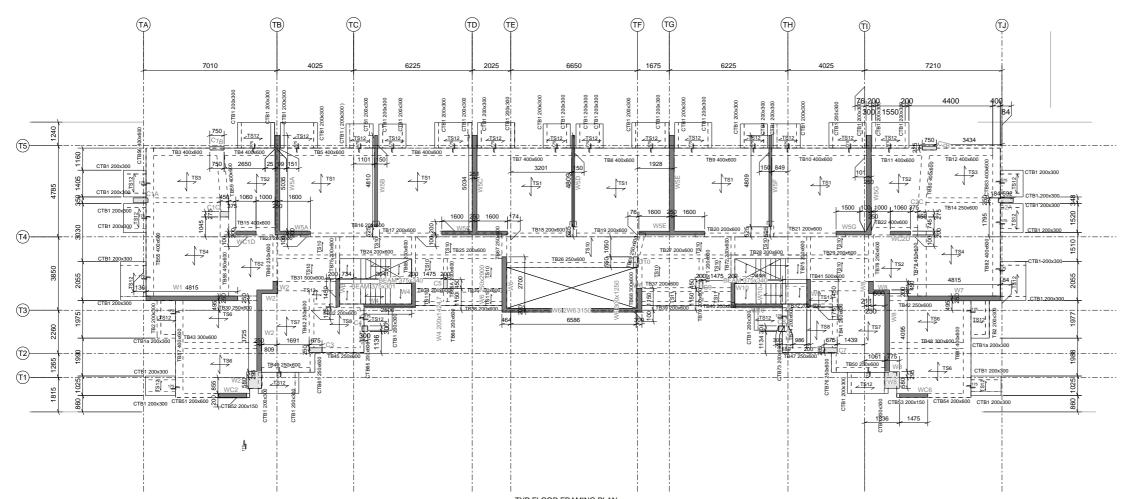
NOTES FOR WATERPROOFING CONSTRUCTION :



+12.7



BIM REF		
BIIIITE	F:	
REV PROJEC	DATE	AMENDMENT
CICS	SAMPLE	PROJECT
	NG TITLE	FOR SUPERSTRUCTURE
OLINEI		
SCALE		
DRAWIN	NG NO.	REV. NO.
S001		REV. NO.
S001		REV. NO.
S001		REV. NO.
S001	E	
S001	E 90mm	REV. NO. (W) x 40mm (H) space MPANY LOGO
S001	E 90mm	(W) x 40mm (H) space
S001	E 90mm	(W) x 40mm (H) space
S001	E 90mm	(W) x 40mm (H) space
S001	E 90mm	(W) x 40mm (H) space
S001	E 90mm	(W) x 40mm (H) space
S001	E 90mm for CO!	(W) x 40mm (H) space MPANY LOGO
S001	90mm i for COI 90mm i for AP/	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
S001	90mm i for COI 90mm i for AP/	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space
S001	90mm i for COI 90mm i for AP/	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
S001	90mm i for COI 90mm i for AP/	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
S001	90mm i for COI 90mm i for AP/	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm i for COI 90mm i for AP/	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
SOURC	E 90mm for COI 90mm for AP/ signatu	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop
BD's O	90mm i for COM 90mm for AP/ signatu	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
SOURC	90mm for COI 90mm for AP/ signatu FFICAL USE	(W) x 40mm (H) space WPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans



TYP FLOOR FRAMING PLAN

NOTES

COLUMN SCHEDULE

SIZE (mm) 775x250

> 750x200 450x275

775x250

750x200

450x275

675x250 300x300

200x450

675x250

300x300

200x450

250x550

MARK

C1A C1B

C1C C2A

C2B

C2C

C3

C4 C5

C7

C8

C9

C10

. ALL BEAM SIZE TO BE 400(B)x600(D), UNLESS OTHERWISE STATED. 2. ALL SLAB SIZE TO BE 150mm THK, UNLESS OTHERWISE STATED.

W1	250	
W2	200	
W2	250	
W2	875	
W3	200	
W4	150	
W4	200	
W5A	200	
W5A	250	
W5B	150	
W5C	200	
W5C	250	
W5D	150	
W5E	200	
W5E	250	
W5F	150	
W5G	200	
W5G	250	
W6	200	
W6	250	
W6	300	
W7	250	
W8	200	
W8	250	
W8	875	
W9	200	
W10	150	
W10	200	
WC1D	200	
WC2	250	
WC2D	200	
WC6	200	
	•	

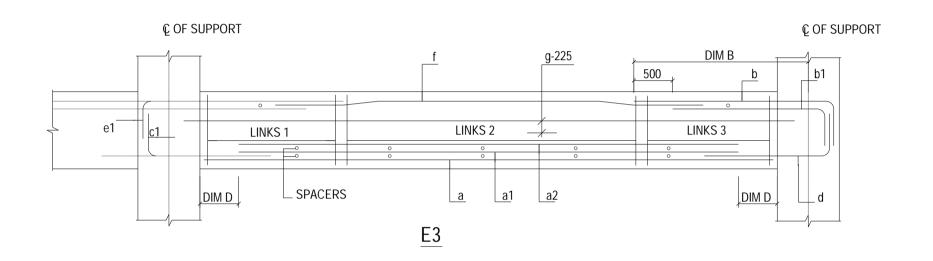
WALL SCHEDULE MARK THICKNESS (mm)

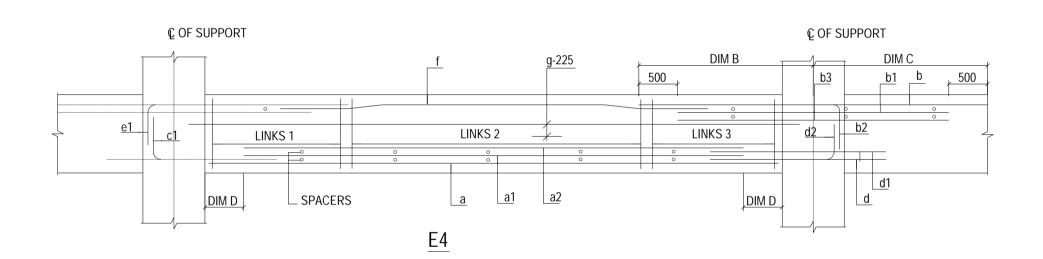
	(TA) (TB) (TC)	TDTE THTG	TH (I)	(T)
(75)		┶═╫╪╌┽╴╘╴┢═╴┟═╴╢═╶╝╴	╌╄╌╍╶╋╌╴╤	
(14) (13) (13)				
			N	

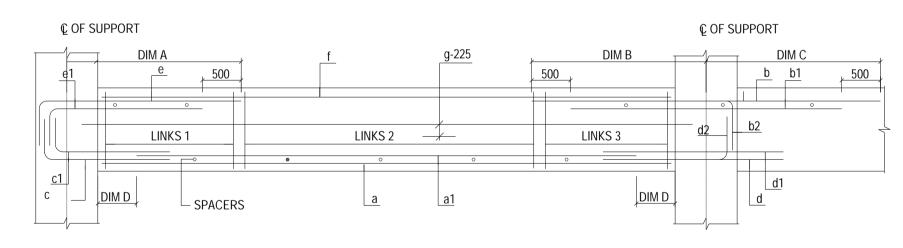
USAGE	LEGEND	LL (kPa)	FIN. (kPa)	F.R.R. (Min)
		3.0	1.25	60/60/60
LOBBY		3.0	1.25	60/60/60
DOMESTIC		2.0	0.5	60/60/60
PLANT ROOM	- - - - - - - - - -	7.5	1.25	60/60/60
FLAT ROOF		5.0	5.60	60/60/60

BD REF		
BIWDL		
BIM REF		
		1
REV	DATE	AMENDMENT
PROJEC		
		PROJECT
010 0		I NOSEOT
	IG TITLE	
TYP F	loor Frammir	ng
SCALE		
DRAWIN	IG NO.	REV. NO.
S002		
SOURC	E	
	90mm (W) x 40mm (H) space
	90mm (for CON	W) x 40mm (H) space MPANY LOGO
	90mm (for CON	W) X 40mm (H) space IPANY LOGO
	90mm (for CON	W) X 40mm (H) space IPANY LOGO
	90mm (for CON	W) X 40mm (H) Space
	90mm (for CON	W) X 40mm (H) space APANY LOGO
	for CON	APANY LOGO
	for CON	/IPANY LOGO W) x 60mm (H) space
	for CON 90mm (for AP/f	APANY LOGO
	for CON 90mm (for AP/f	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/f	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/f	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD'S O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for CON 90mm (for AP/f signatu	/IPANY LOGO W) x 60mm (H) space RSE/RGE's
BD's O	for COM 90mm (for AP/f signatu	//PANY LOGO W) x 60mm (H) space RSE/RGE's re/ and stamp chop
BD's O	for CON 90mm (for AP) signatu FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp /
BD's O	for COM 90mm (for AP/I signatu FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp /
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans
BD's O	for COM 90mm (for AP) Signatu FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ad plans

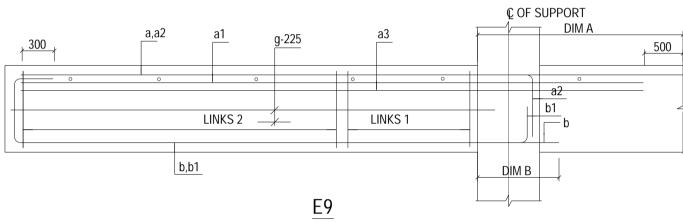
									R.C	C. BEAM SC	HEDULE								
	BEAM SIZE		REINFORCEMENT							REINFORCEMENT			DIMENSION						
BEAM MARK	(DxB)	ELEV. REFER	а	a1	a2	b	b1	С	d	е	f	g	LINKS 1	LINKS 2	LINKS 3	А	В	С	D
TB1	300x200	E9	2T20	-	-	-	2T16	-	-	-	-	-	<	T10-150(2 LEGS)	>	2550	-	-	-
TB1a	300x200	E9	2T20	-	-	-	2T16	-	-	-	-	-	<	T10-150(2 LEGS)	>	2550	-	-	-
TB2	300x200	E10	2T16	-	-	2T16	-	-	-	-	-	-	<	T10-200(2 LEGS)	>	0	-	-	-
TB3	600x400	E5	4T25	-	-	4T25	-	4T25	4T25	4T25	4T20	-	<	T10-200(4 LEGS)	>	0	1300	1000	-
TB4	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1000	1800	-
TB5	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1000	1800	-
TB6	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1800	1800	-
TB7	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1800	1800	-
TB8	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1800	1800	-
TB9	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1800	1800	-
TB10	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1800	1800	-
TB11	600x400	E4	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(2 LEGS) TORSIONAL_LINKS+T10	>	0	1800	1000	-
TB12	600x400	E3	4T25	-	-	4T25	-	-	4T25	-	4T20	-	<	T10-200(4 LEGS)	>	0	1000	1300	-
TB13	600x250	E10	2T25	-	-	2T25	-	-	-	-	-	-	<	T10-200(2 LEGS)	8T16-200(2 LEGS)	0	-	-	-
TB14	600x250	E10	2T25	-	-	2T25	-	-	-	-	-	-	<	T10-200(2 LEGS)	8T16-200(2 LEGS)	0	-	-	-
TB51	600x200	E9a	2T20	2T20	2T20	2T20	-	-	-	-	-	T10-225 E.F.	<	T10-150(2 LEGS)	>	1000	-	-	-
TB54	600x200	E9a	2T20	2T20	2T20	2T20	-	-	-	-	-	T10-225 E.F.	<	T10-150(2 LEGS)	>	1000	-	-	-

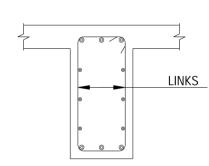




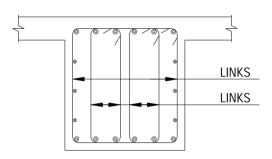


<u>E5</u>

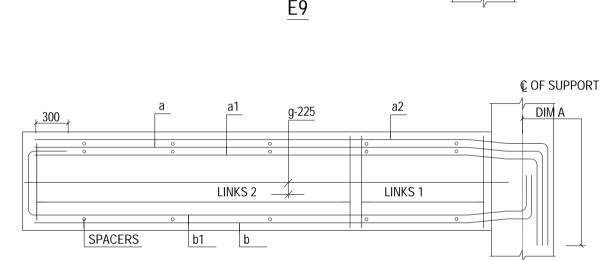




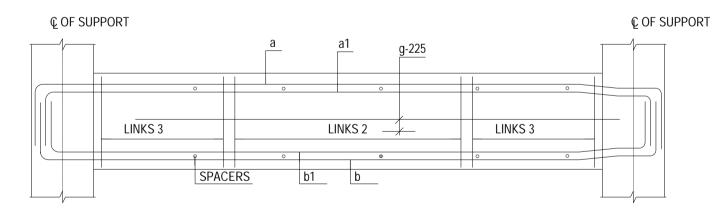




6 LEGS

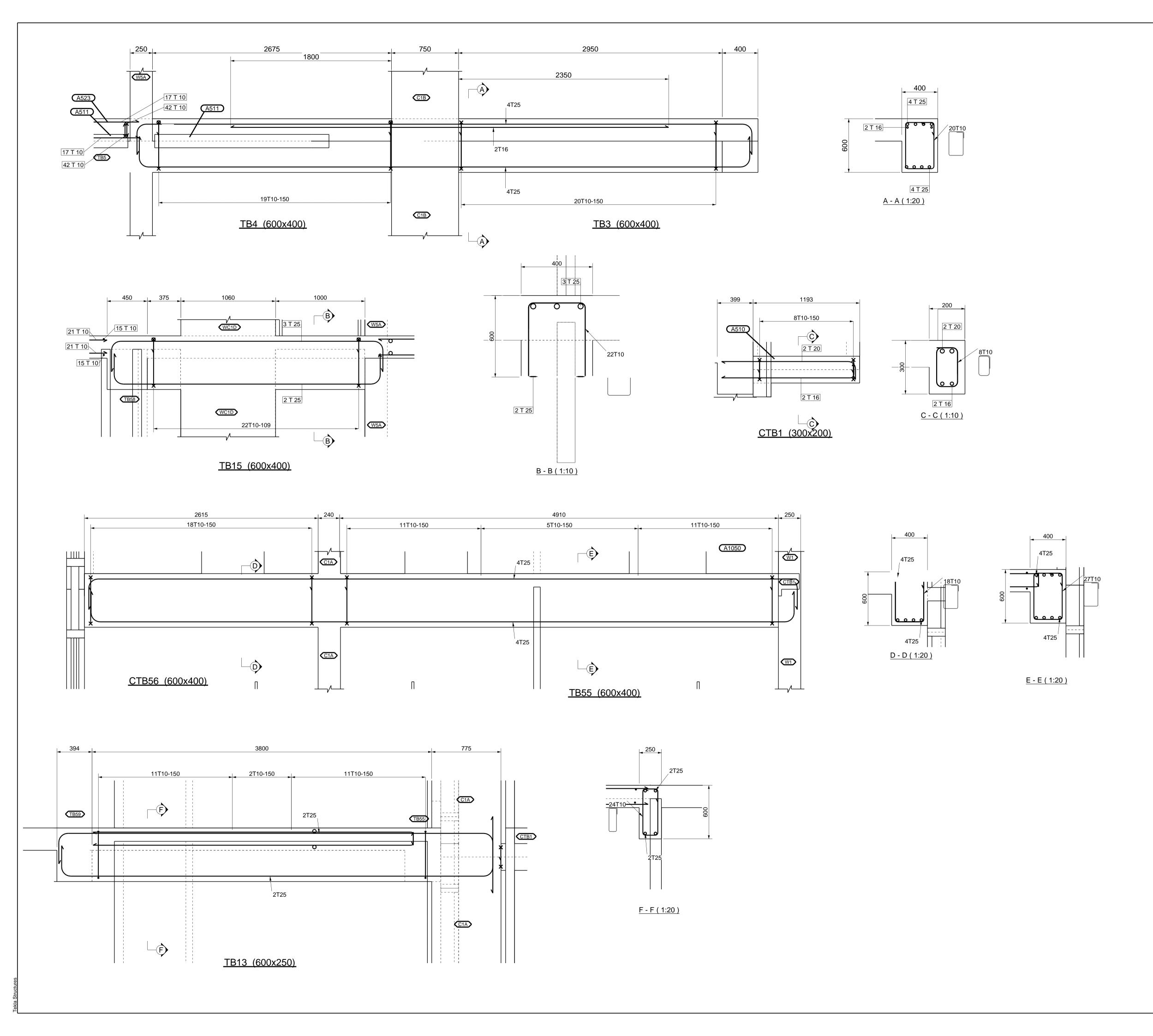




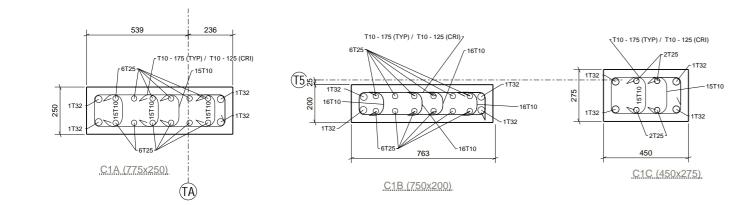


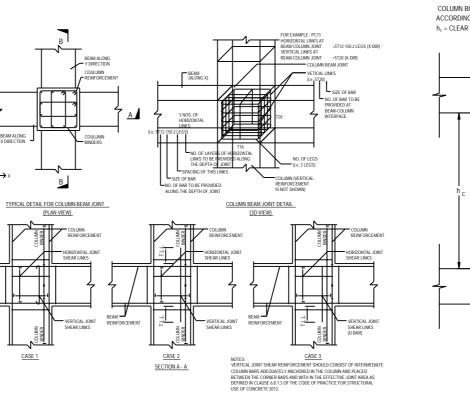
E10

BIM RE	F :		
REV	[DATE	AMENDMENT
PROJE		יחו ר חו	
	SAIV	IPLE PI	ROJECT
DRAWI		ile .C. SCH	FDI II F
		.0. 0011	
COALE			~ ^ 4
		SHOWN	
DRAWII			REV. NO.
SOURC	`		
SOURC	·C		
		90mm (\	N) x 40mm (H) space
		90mm (\ for COM	W) x 40mm (H) space IPANY LOGO
		90mm (\ for COM	W) x 40mm (H) space IPANY LOGO
		90mm (\ for COM	N) x 40mm (H) space IPANY LOGO
		90mm (\ for COM	N) x 40mm (H) space IPANY LOGO
		90mm (\ for COM	W) x 40mm (H) space IPANY LOGO
		for COM	IPANY LOGO
		for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space !SE/RGE's
		for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space
		for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space !SE/RGE's
		for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space !SE/RGE's
		90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space !SE/RGE's
BD's C	DFFICA	90mm (\ for AP/R signature	N) x 60mm (H) space SE/RGE's e/ and stamp chop
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans
BD's C	DFFICA	90mm (\ for AP/R signature L USE	N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp / ion of copies of d plans



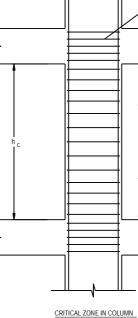
BD	D REF	:		
BII	M REI	F :		
	ROJEC		DATE	AMENDMENT
			IPLE PI	ROJECT
	> Δ \ Λ/ΙΝ	NG TIT	1 F	
			C DETA	IL
				-
S		10.0		
<u> </u>			SHOWN	
DF	RAWIN	AS S NG NO		@A1 REV. NO.
DF	rawin 5004	NG NO		
DF	RAWIN	NG NO		
DF	rawin 5004	NG NO		
DF	rawin 5004	NG NO		REV. NO.
DF	rawin 5004	NG NO	90mm (\	
DF	rawin 5004	NG NO	90mm (\	REV. NO. N) x 40mm (H) space
DF	rawin 5004	NG NO	90mm (\	REV. NO. N) x 40mm (H) space
DF	rawin 5004	NG NO	90mm (\	REV. NO. N) x 40mm (H) space
DF	rawin 5004	NG NO	90mm (\	REV. NO. N) x 40mm (H) space
DF	rawin 5004	NG NO	90mm (\	REV. NO. N) x 40mm (H) space
DF	rawin 5004	NG NO	90mm (\ for COM	REV. NO. W) x 40mm (H) space IPANY LOGO
DF	rawin 5004	NG NO	90mm (\ for COW 90mm (\ for AP/R	REV. NO. W) x 40mm (H) space IPANY LOGO
DF	rawin 5004	NG NO	90mm (\ for COW 90mm (\ for AP/R	REV. NO. W) x 40mm (H) space IPANY LOGO
DF	rawin 5004	NG NO	90mm (\ for COW 90mm (\ for AP/R	REV. NO. W) x 40mm (H) space IPANY LOGO
DF	rawin 5004	NG NO	90mm (\ for COW 90mm (\ for AP/R	REV. NO. W) x 40mm (H) space IPANY LOGO
DF	rawin 5004	NG NO	90mm (\ for COW 90mm (\ for AP/R	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COM 90mm (\ for AP/R signatur	REV. NO. W) x 40mm (H) space IPANY LOGO
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop M) x 150mm (H) space
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur L USE	REV. NO. AV) x 40mm (H) space IPANY LOGO AV) x 60mm (H) space RSE/RGE's e/ and stamp chop AV) x 150mm (H) space approval stamp / tion of copies of
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space ISE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. AV) x 40mm (H) space IPANY LOGO AV) x 60mm (H) space RSE/RGE's e/ and stamp chop AV) x 150mm (H) space approval stamp / tion of copies of
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space ISE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space RSE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space RSE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space RSE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space ISE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space ISE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
SC	RAWIN SOO4 DURC	NG NO	90mm (\ for COW 90mm (\ for AP/R signatur	REV. NO. M) x 40mm (H) space IPANY LOGO W) x 60mm (H) space RSE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans

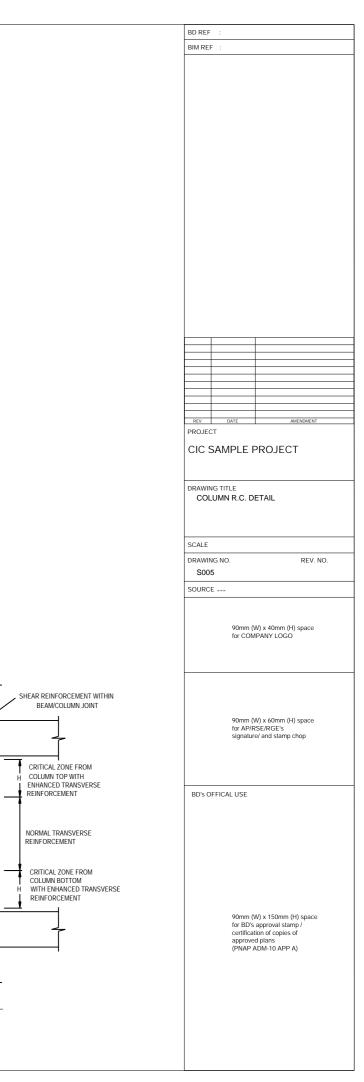




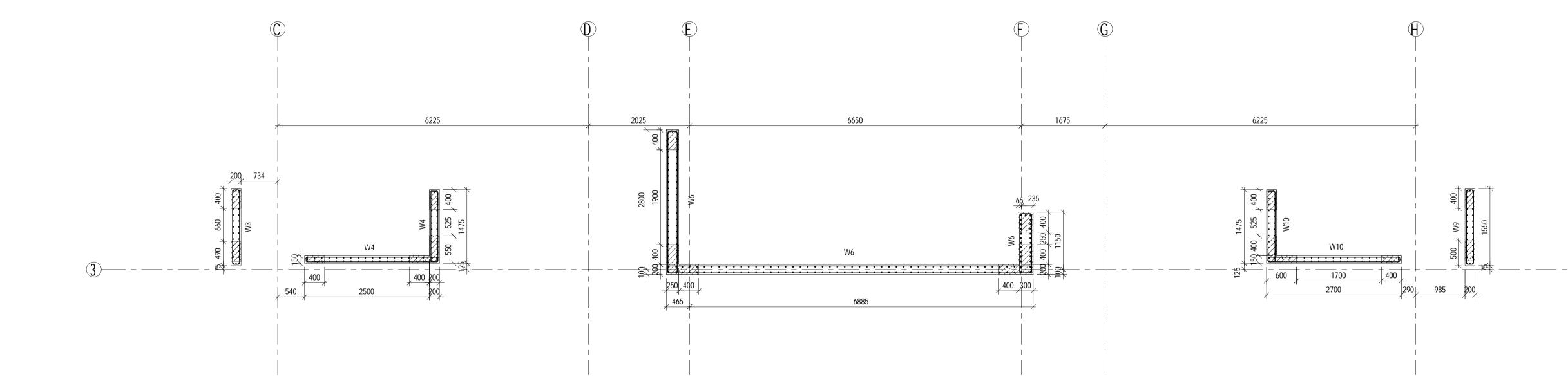
A

 $\label{eq:IFH} \begin{array}{ll} \text{IF H} > & \displaystyle \frac{1}{2} & h_c \\ \\ \text{COLUMN BINDERS SHOULD BE} \\ \text{ACCORDING TO CRITICAL ZONE} \end{array}$ h_c = CLEAR HEIGHT OF STOREY





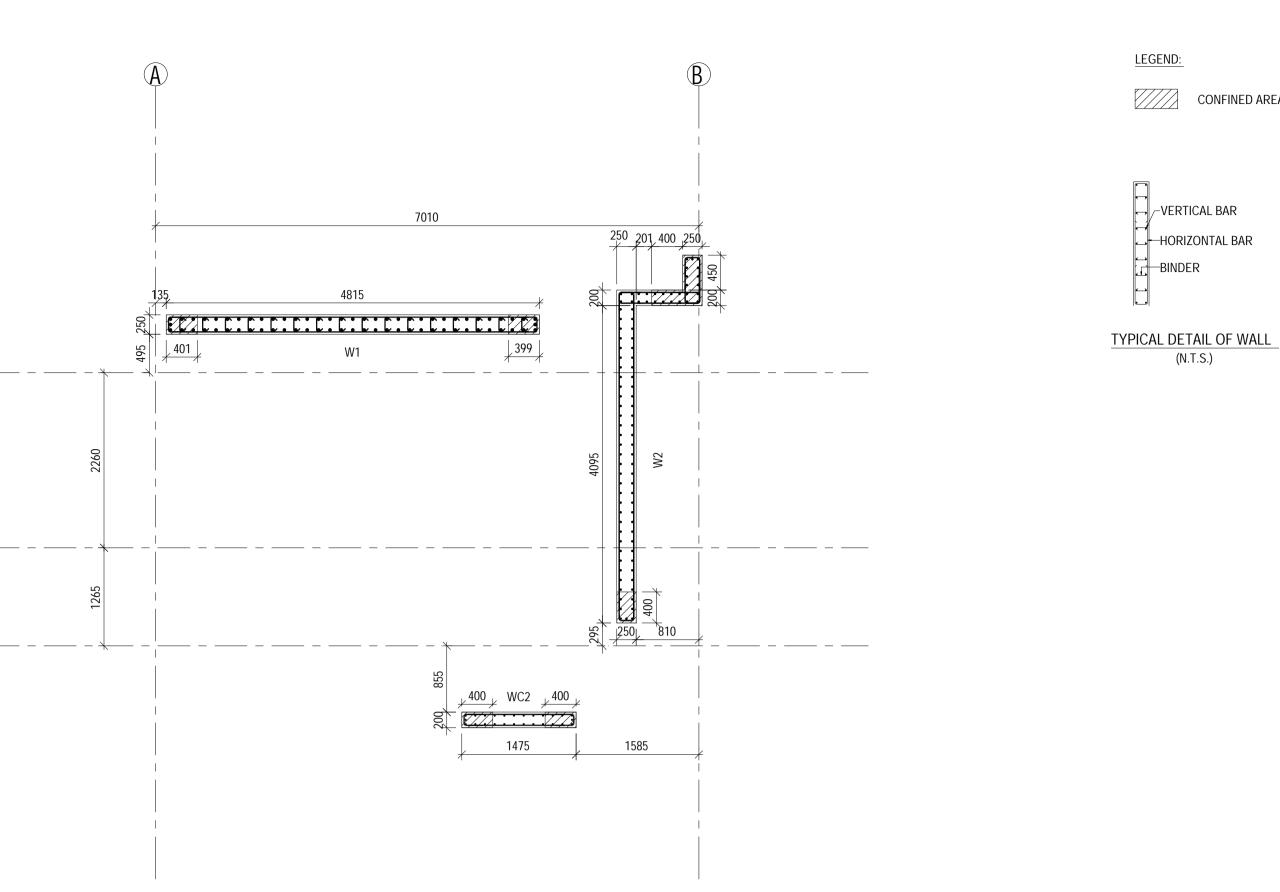
			R.C. \	WALL SCHEDU	LE			•
FLOOR	WALL MARK	CONCRETE GRADE	THICKNESS (mm)	VERTICAL BARS	HORIZONTAL BARS	BINDE HORIZONTAL	ER VERTICAL	STEEL RATIO
4/F	W1	C60	250	T40-150	T10-150	T12-300	150	3.4
4/F	W2	C60	250	T25-125	T12-125			1.3
4/F	W3	C60	200	T20-125	T10-100			1.3
4/F	W4	C60	150	T20-150	T10-150			1.4
4/F	W4	C60	200	T20-125	T10-100			1.3
4/F	W5A	C60	200	T20-125	T10-100			1.3
4/F	W5A	C60	250	T25-125	T12-125			1.6
4/F	W5B	C60	150	T20-100	T10-150	T12-200	150	2.1
4/F	W5C	C60	200	T20-125	T10-100			1.3
4/F	W5C	C60	250	T25-125	T12-125			1.6
4/F	W5D	C60	150	T20-125	T10-150			1.7
4/F	W5E	C60	200	T20-125	T10-100			1.3
4/F	W5E	C60	250	T25-125	T12-125			1.6
4/F	W5F	C60	150	T20-100	T10-150	T12-200	150	2.1
4/F	W5G	C60	200	T20-125	T10-100			1.3
4/F	W5G	C60	250	T32-175	T12-125			1.8
4/F	W6	C60	200	T25-150	T10-100			1.6
4/F	W6	C60	250	T20-125	T12-125			1.0
4/F	W6	C60	300	T32-100	T10-150			2.7
4/F	W7	C60	250	T25-150	T12-125			1.3
4/F	W8	C60	250	T32-175	T12-125			1.8
4/F	W9	C60	200	T20-125	T10-100			1.3
4/F	W10	C60	150	T20-150	T10-150			1.4
4/F	W10	C60	200	T20-125	T10-100			1.3
4/F	WC1D	C60	200	T20-125	T10-100			1.3
4/F	WC2	C60	200	T20-125	T10-100			1.3
4/F	WC2D	C60	200	T20-125	T10-100			1.3
4/F	WC6	C60	200	T20-125	T10-100			1.3



3

2

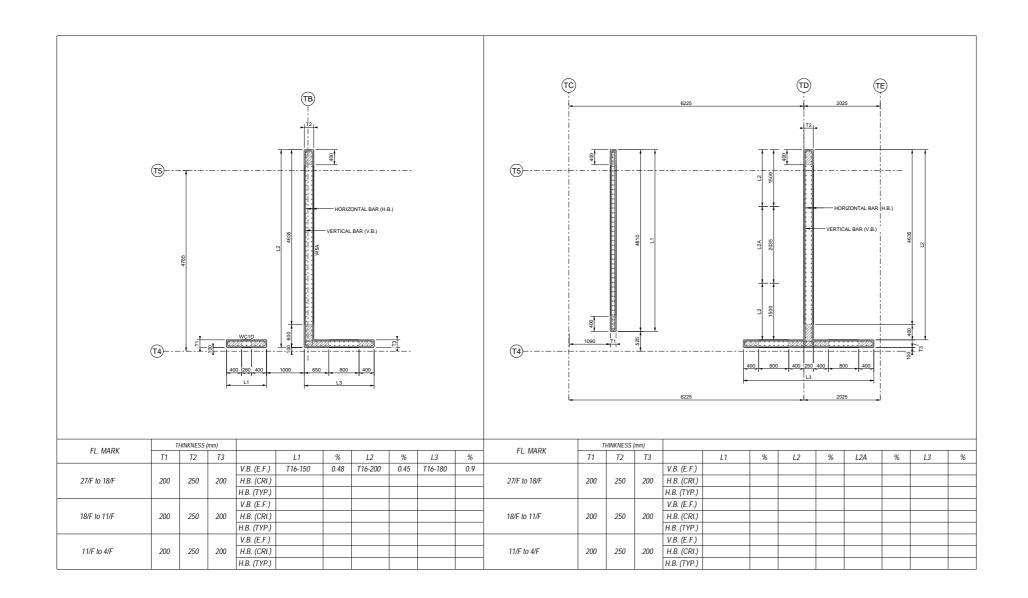
(1)



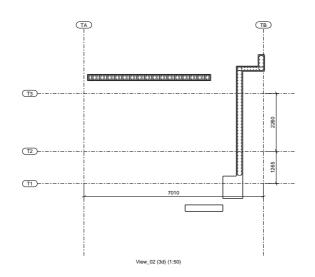
CONFINED AREA

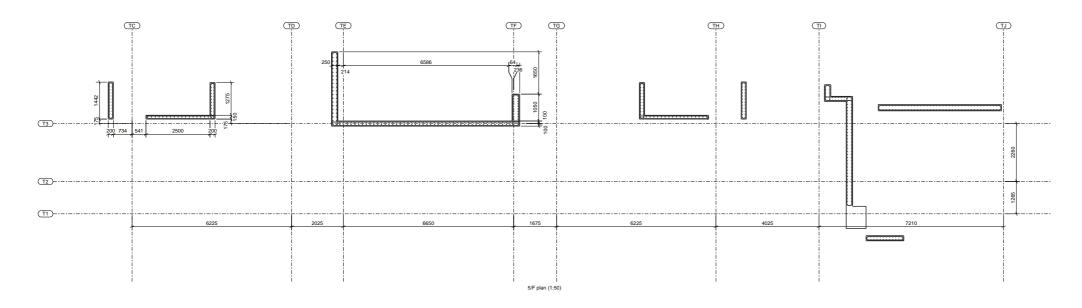
BINDERS: / HORIZONTAL SPACING T10-200

BD REF	• •			
	•			
BIM REI	F :			
REV	DA	TE	AMENDMENT	
PROJE	СТ			
CIC	SAMF	PLE PI	ROJECT	
DRAWIN \ M/ A			AIL (1 OF 2)	
SCALE	AS Sł	HOWN	@A1	
DRAWI	NG NO.		REV. NO.	
S006				
SOURC				
SOURC	E			
SOURC	E			
SOURC		00	Al) 40 (11)	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		90mm (\ for CON	W) x 40mm (H) space IPANY LOGO	
SOURC		for CON	IPANY LOGO W) x 60mm (H) space	
SOURC		for CON 90mm (\ for AP/R	IPANY LOGO	
SOURC		for CON 90mm (\ for AP/R	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
SOURC		for CON 90mm (\ for AP/R	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
SOURC		for CON 90mm (\ for AP/R	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
		90mm (\ for AP/R signatur	IPANY LOGO W) x 60mm (H) space RSE/RGE's	
	DFFICAL	90mm (\ for AP/R signatur . USE	IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop M) x 150mm (H) space	
	DFFICAL	90mm (\ for AP/R signatur USE	IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop (I) x 150mm (H) space approval stamp /	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	
	DFFICAL	90mm (\ for AP/R signatur USE USE 90mm (\ for BD's certificat approve	 IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans	

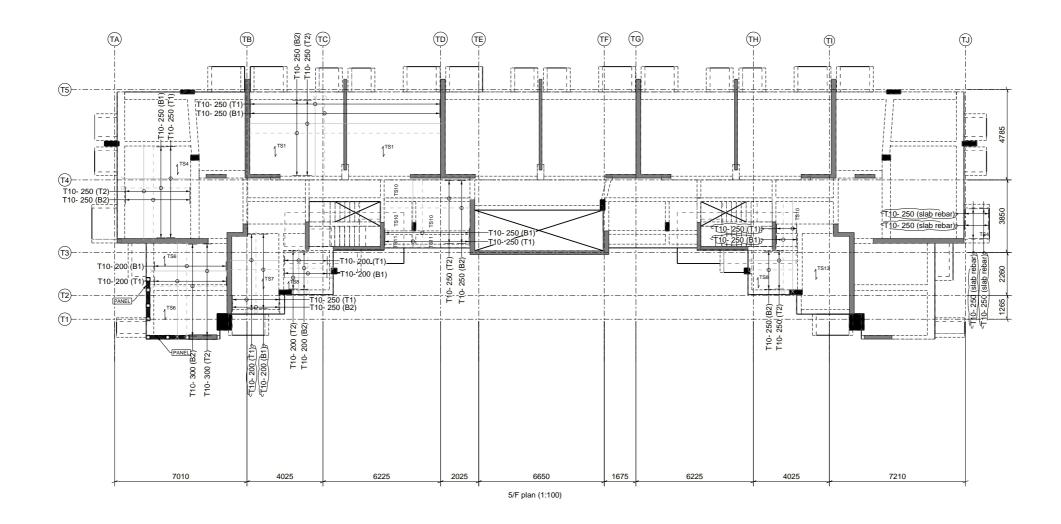


BD REF BIM REF		
DIW KLI	· .	
_		
REV	DATE	AMENDMENT
PROJEC		
		PROJECT
010 0		ROSEOT
DRAWIN		
WALL F	R.C. DETAIL	(Schedule)
SCALE		
DRAWIN	C NO	REV. NO.
	GNO.	KEV. NO.
S007	-	
SOURCE	·	
	E	
		W) x 40mm (H) space
	90mm ('	W) x 40mm (H) space IPANY LOGO
	90mm ('	W) x 40mm (H) space IPANY LOGO
	90mm ('	W) x 40mm (H) space IPANY LOGO
	90mm ('	W) x 40mm (H) space IPANY LOGO
	90mm ('	W) x 40mm (H) space IPANY LOGO
	90mm ('	W) x 40mm (H) space IPANY LOGO
	90mm (for COM	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space
	90mm (for CON 90mm (for AP/F	(PANY LOGO W) x 60mm (H) space SE//RGE's
	90mm (for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space
	90mm (for CON 90mm (for AP/F	(PANY LOGO W) x 60mm (H) space SE//RGE's
	90mm (for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for CON 90mm (for AP/F	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	(PANY LOGO W) x 60mm (H) space SE//RGE's
SOURCE	90mm (for CON 90mm (for AP/F signatur	W) x 60mm (H) space VSE/RGE's e/ and stamp chop
SOURCE	90mm (for CON 90mm (for AP/F signatur FFICAL USE	<pre>//PANY LOGO /// x 60mm (H) space // And stamp chop // x 150mm (H) space // and stamp // // space // and s</pre>
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	(PANY LOGO) (W) x 60mm (H) space (SE/RGE's e/ and stamp chop (W) x 150mm (H) space approval stamp / tion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	<pre>//PANY LOGO /// x 60mm (H) space // SSE/RGE's // and stamp chop // x 150mm (H) space approval stamp / ition of copies of</pre>
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO (M) x 60mm (H) space (SE/RGE's e/ and stamp chop (M) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	(PANY LOGO) (W) x 60mm (H) space (SE/RGE's e/ and stamp chop (W) x 150mm (H) space approval stamp / tion of copies of d plans

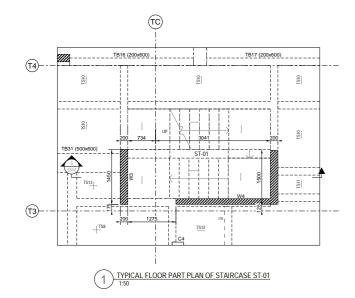


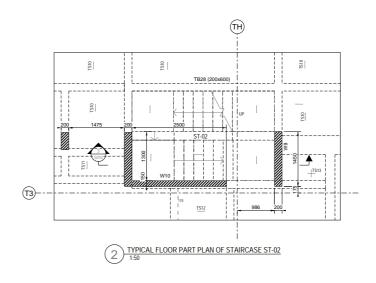


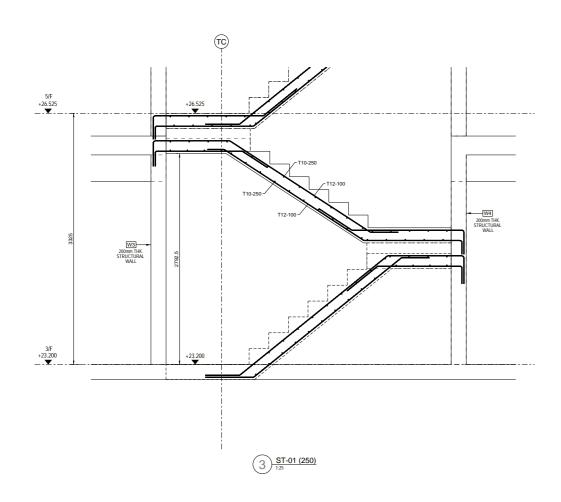
	BD REF :	
	BIM REF :	
LEGEND :		
CONFINED AREA		
BINDERS		
Vertical Bar		
T10.200		
Binder		
TYPICAL DETAIL OF WALL		
(N.T.S.)		
	REV DATE AMENDMENT	
	PROJECT	
	CIC SAMPLE PROJECT	
	DRAWING TITLE	
	WALL RC DETAIL	
	SCALE	
	DRAWING NO. REV. NO	
	S008	
	SOURCE	
	90mm (W) x 40mm (H) space for COMPANY LOGO	
	90mm (W) x 60mm (H) space	
	for AP/RSE/RGE's signature/ and stamp chop	
	BD's OFFICAL USE	
	90mm (W) x 150mm (H) space	
	for BD's approval stamp / certification of copies of	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of approved plans	
	for BD's approval stamp / certification of copies of approved plans	

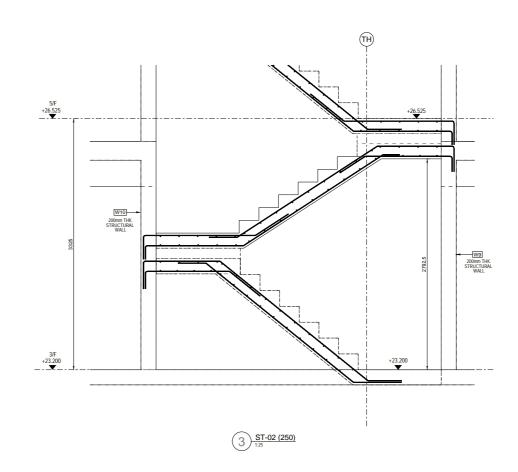


BD REF BIM REF		
BIIIITEI		
REV PROJEC		AMENDMENT
CIC S	SAMPLE F	PROJECT
DRAWIN	G TITLE	
	R.C. DETAIL	
SCALE		
DRAWIN	C NO	REV. NO.
S009	0110.	NET. NO.
SOURCE		
	90mm (W) x 40mm (H) space
		/PANY LOGO
	for CON	
	for CON	
	for CON	
	for COM	
	for CON	
	for CON	
	for CON	W) x 60mm (H) space
	for CON 90mm (for AP/F	
	for CON 90mm (for AP/F	W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F	W) x 60mm (H) space SE/RGE's
BD's O	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's OI	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's O	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's O	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's Ol	90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's
BD's OI	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's OI	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's OI	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's
BD's OI	for COM 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's re/ and stamp chop
BD's OI	for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp /
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's OI	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's OI	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's OI	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's Ol	for COM 90mm (for AP/F signatur FFICAL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans

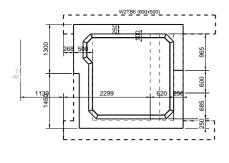




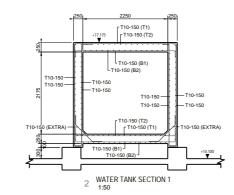


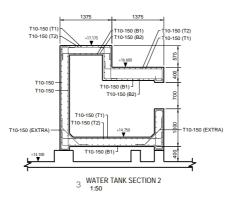


BD REF	:	
BIM REF		
	-	
REV		AMENDMENT
PROJEC	т	
CIC S	SAMPLE I	PROJECT
SCALE		
DRAWIN	IG NO.	REV. NO.
S010		
SOURCE	E	
		W) x 40mm (H) space
	90mm (for CON	/IPANY LOGO
	90mm (for CON	IPANY LOGO
	90mm (for CON	/PANY LOGO
	90mm (for CON	IPANY LOGO
	90mm (for CON	IPANY LOGO
	90mm (for CON	IPANY LOGO
	for CON	
	for CON 90mm (for AP/F	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F	W) x 60mm (H) space
	for CON 90mm (for AP/F	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space S5E/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space S5E/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space S5E/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's
	for CON 90mm (for AP/F signatur	W) x 60mm (H) space RSE/RGE's re/ and stamp chop
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp /
	for CON 90mm (for AP/F signatu FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space : approval stamp / tion of copies of
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for CON 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans



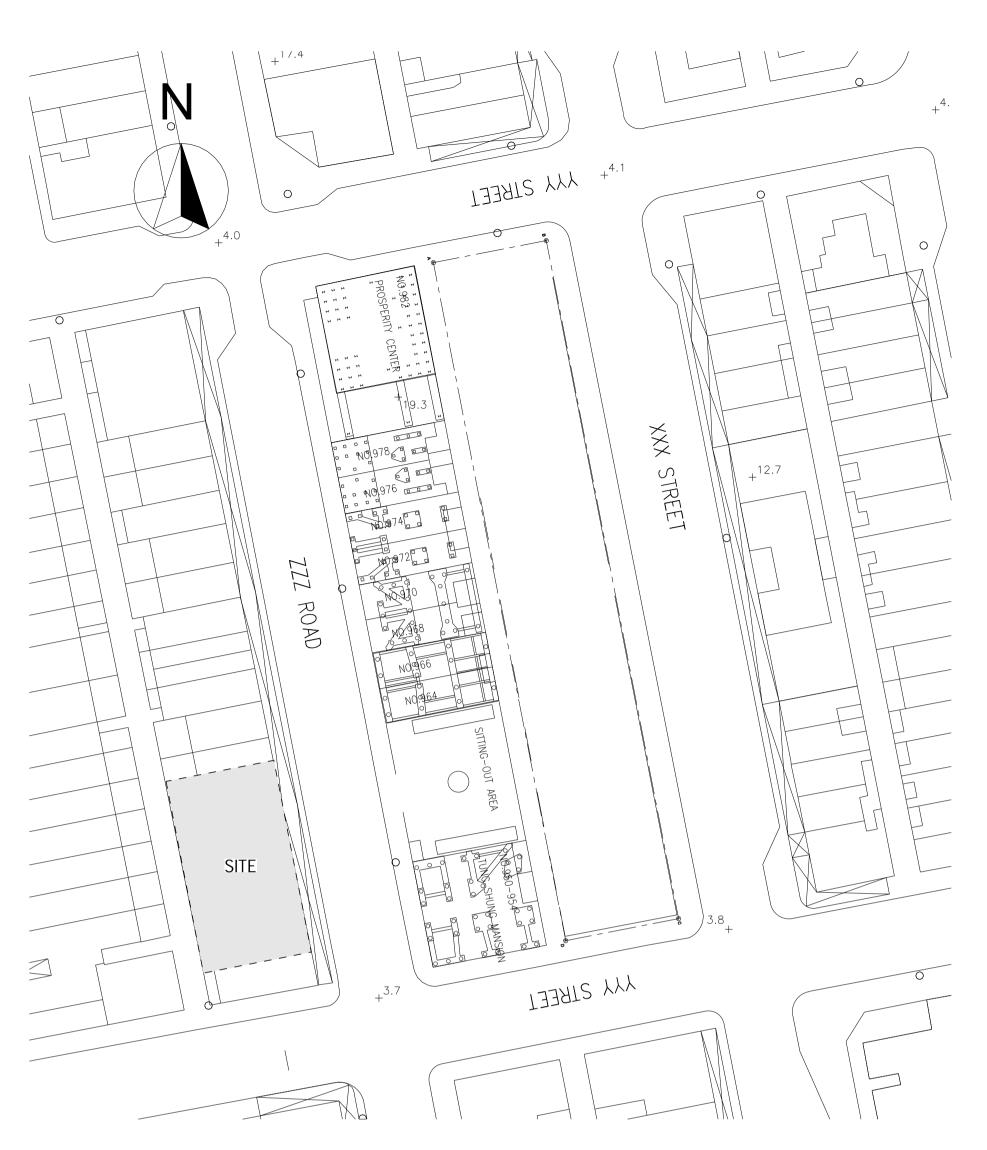
2 S011





6.6m3 FLUSHING WATER TANK AT 2/ F 1:50

BIM REI		
BIM REI	F :	
REV	DATE	AMENDMENT
PROJE		
CIC	SAMPI F I	PROJECT
	NG TITLE	
WAT	ER TANK R.	C. DETAIL
SCALE		
DRAWIN		REV. NO.
S011		REV. NO.
00000	L	
SOURC		
SOURC		
SOURC	90mm (W) x 40mm (H) space
SOURC	90mm (for CON	W) x 40mm (H) space IPANY LOGO
SOURC	90mm (for CON	W) x 40mm (H) space IPANY LOGO
SOURC	90mm (for CON	W) x 40mm (H) space IPANY LOGO
SOURC	90mm (for CON	W) x 40mm (H) space IPANY LOGO
SOURC	90mm (for CON	W) x 40mm (H) space IPANY LOGO
SOURC	90mm (for CON	W) x 40mm (H) space IPANY LOGO
SOURC	for CON	IPANY LOGO W) x 60mm (H) space
SOURC	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURC	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space
SOURC	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURC	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur DFFICAL USE	W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space
	90mm (for AP/F signatur DFFICAL USE 90mm (for BD's	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp /
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of a plans
	90mm (for AP/F signatur)FFICAL USE	W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of a plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	90mm (for AP/F signatur)FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans



BLOCK PLAN

GENERAL NOTES FOR STRUCTURAL STEEL WORKS

1. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL WORKS SHALL BE GRADE S355 J0 COMPLYING WITH BS EN 10025:2004 (Py = 355 MPa) EXCEPT HOLLOW SECTION TO BS EN 20210 AND CLASS 1 COMPLYING WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011.

 ALL STEELWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011. STRUCTURAL USE OF STEEL MATERIALS PROPERTIES SHALL COMPLY WITH BS EN 10025:2004, FOR PERMANENT STRUCTURES. MINIMUM DESIGN STRENGTH ARE AS FOLLOWS:

GRADE	THICKNESS LESS THAN OR EQUAL TO (mm)	DESIGN STRENGTH N/mm2
S355	16	355

* THE STRUCTURAL STEEL ARE CLASSIFIED AS CLASS 1 IN ACCORDANCE WITH CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011.

3. THE STEELWORK CONTRACTOR IS RESPONSIBLE FOR ENSURING THE STEEL HAS ADEQUATE THROUGH THICKNESS PROPERTIES TO SATISFY THE REQUIREMENTS OF HIS WELDING PROCEDURES AND WELDING SEQUENCE AND THAT THE MATERIAL AT OR ADJACENT TO WELDED LOCATIONS IS FREE OF LAMINATIONS, CENTRELINE SEGREGATION, OR OTHER CRACK LIKE INDICATIONS ON COMPLETION OF WELDING. THE STEELWORK CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUALITY CLASS OF STEEL WITH ENHANCED THROUGH THICKNESS PROPERTIES WHICH MAY BE REQUIRED TO BE COMPATIBLE WITH HIS CHOSEN METHOD OF WORKING.

4. ANY DAMAGED SURFACES OF GALVANISED STEEL SHALL BE COATED WITH ANTI-CORROSIVE COLD GALVANISED PRIMER PRIOR TO PAINTING.

5. PRIOR TO ERECTION ALL STEELWORK SHALL BE SPRAY WASHED WITH WATER AND DETERGENT THEN SPRAY RINSED WITH CLEAN WATER. THEY SHOULD BE FREE FROM RUST, GREASE AND LOOSING SCALES BEFORE APPLICATION OF SURFACE PROTECTION.

6. THE CONTRACTOR SHOULD EMPLOY QUALIFIED WELDERS WITH VALID WELDING CERTIFICATE.

 ALL WELDING WORK SHALL BE CARRIED OUT BY CERTIFIED WELDERS TESTED BY A HOKLAS APPROVED LABORATORY TO BS EN 15614-8:2002 ALL WELDING WORK TO COMPLY WITH BS EN 1011 SITE WELDING SHALL ONLY BE CARRIED OUT WITH PRIOR WRITTEN CONSENT OF THE ARCHITECT.

8. ALL WELD AND BLOT CONNECTIONS SHALL BE INSPECTED BY THE ENGINEER BEFORE BEING COVERED UP AND REPRESENTATIVELY TESTED TO THE SATISFACTORY OF THE ENGINEER.

9. THE WELDING STANDARDS SHALL BE IN ACCORDANCE WITH BS EN 1011 PART 1:2009 AND PART 2:2001.

10. THE WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH BS EN ISO 15614 PART 1: 2004 AND PART 8:2002.

11. THE WELDERS SHALL BE APPROVED IN ACCORDANCE WITH BS EN 287 PART 1:2004.

12. THE WELDING TESTS SHALL BE IN ACCORDANCE WITH BS EN 1714:1998 AND BS EN ISO 9934 PART 1:2001.

13. UNLESS NOTED OTHERWISE, ALL WELDING SHALL BE 6mm CONTINUOUS FILLET WELD ALL ROUND.

14. ABBREVIATIONS FOR WELDING :-

FW -FILLET WELD FPBW -FULL PENETRATION BUTT FILLET WELD

PPBW -PARTIAL PENETRATION BUTT FILLET WELD

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL SHIMMING/PACKING REQUIRED TO ACHIEVE ADEQUATE TOLERANCE AT THE CONNECTIONS.

16. THE CONTRACTOR SHOULD VERIFY THE SETTING OUT DIMENSIONS ON STRUCTURAL AND BUILDING PLANS ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER BEFORE CONSTRUCTION WORK IS PROCEEDED.

17. THE CONTRACTOR SHOULD SUBMIT THE FABRICATION AND SHOP DRAWING TO THE ENGINEER FOR CHECKING.

18. ALL STEEL WORKS SHALL BE GALVANIZED TO BS EN ISO 1461:2009 WITH MIN. ZINC COATING THICKNESS OF 85 MICRONS AND WITH 2 COATS OF ZINC PRIMER.

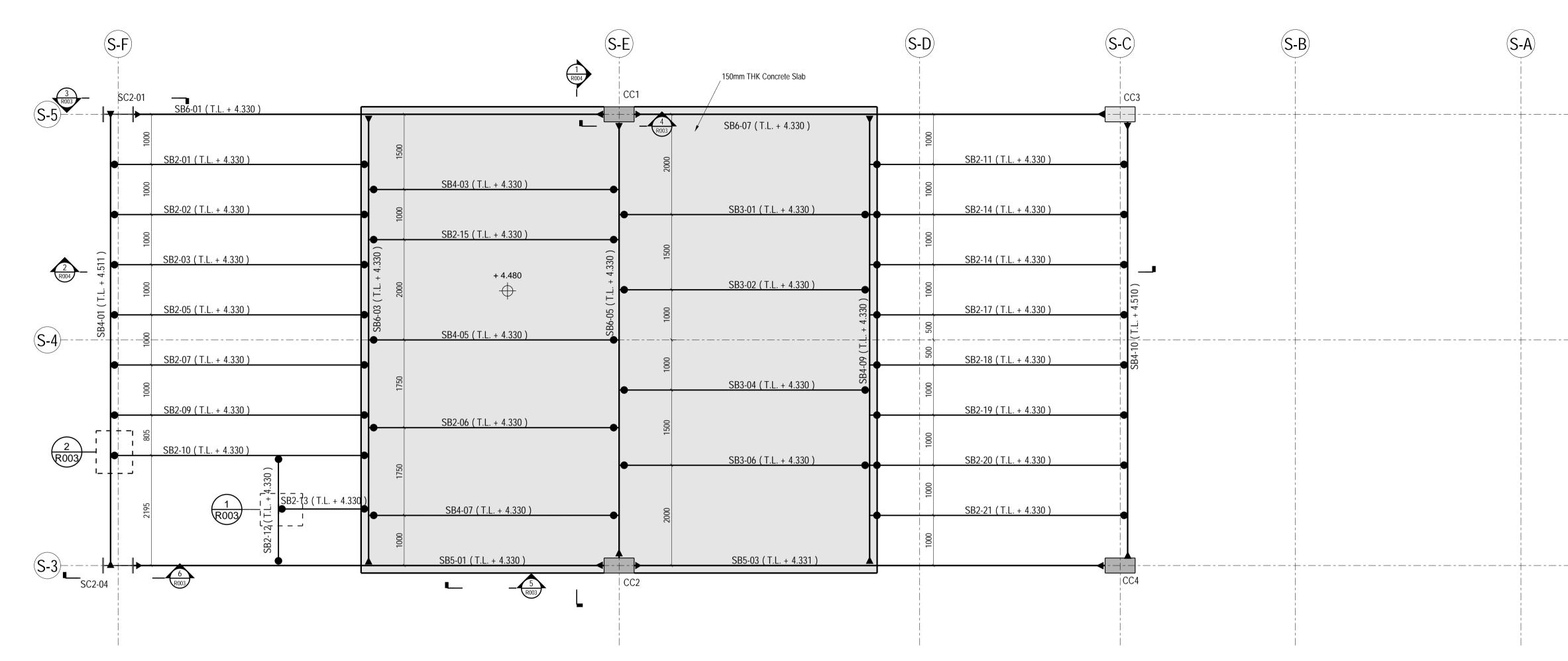
19. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING TO STABILIZE THE STEEL WORKS DURING ERECTION.

20. ALL EXISTING FINISHES SHALL BE REMOVED PRIOR TO FIXING END PLATES AND ANCHOR BARS. \setminus

21. ALL ORDINARY BOLTS SHALL BE ISO GRADE 8.8 BLACK BOLT TO BS 3692:1967, UNLESS NOTED OTHERWISE.

22. ALL EXISTING REINFORCEMENT IN THE EXISTING CONCRETE STRUCTURES SHALL BE LOCATED WITH OVERMETER PRIOR TO DRILLING FOR ANCHOR BAR INSTALLATION. NO STEEL BAR SHALL BE CUT FOR DRILLING.

REV	DATE	AMENDMENT
PROJEC		PROJECT
CONF		
SCALE DRAWIN	AS SHOW	N@A1 REV. NO.
drawin R001	IG NO.	
DRAWIN	IG NO.	
drawin R001	IG NO. E 90mm	REV. NO.
drawin R001	IG NO. E 90mm	REV. NO.
drawin R001	IG NO. E 90mm	REV. NO.
drawin R001	IG NO. E 90mm for CC	n (W) x 40mm (H) space
drawin R001	IG NO. E 90mm for CC 90mm for AP	REV. NO.
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	REV. NO. n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	n (W) x 40mm (H) space DMPANY LOGO
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	n (W) x 40mm (H) space DMPANY LOGO n (W) x 60mm (H) space D/RSE/RGE's ture/ and stamp chop
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	n (W) x 40mm (H) space DMPANY LOGO (W) x 60mm (H) space P/RSE/RGE's sure/ and stamp chop
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	n (W) x 40mm (H) space DMPANY LOGO n (W) x 60mm (H) space D/RSE/RGE's ture/ and stamp chop
DRAWIN	IG NO. E 90mm for CC 90mm for AP signat	n (W) x 40mm (H) space DMPANY LOGO n (W) x 60mm (H) space D/RSE/RGE's ture/ and stamp chop



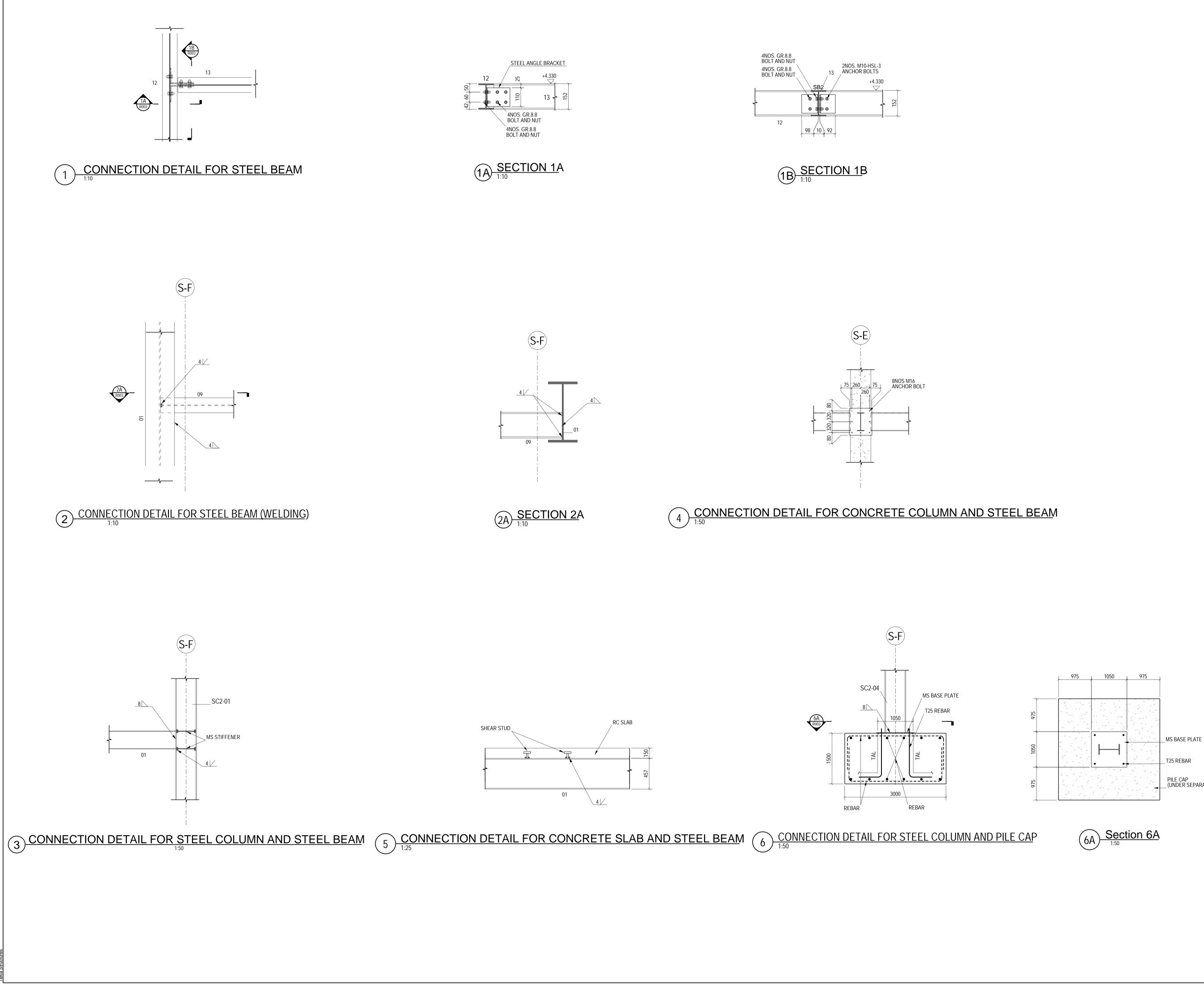
1 Level 2 Framing Plan

STEEL COLUMN SCHEDU			
MARK	PROFILE		
SC2-01	UB610*305*179		
SC2-04	UB610*305*179		

CONCRE	CONCRETE COLUMN S		
MARK	PROFILE		
CC1	600x300		
CC2	600x300		
CC3	600x300		
CC4	600x300		

LEGEND		BD REF			
		BIM RE	F :		
	PINNED JOINT				
	MOMENT JOINT				
CONCRETE GRADE O	F ALL CONCRETE COLUMNS TO BE C40				
		REV	DATE		MENDMENT
		PROJE	СТ		
		CIC	Sample P	ROJECT	
		511	EEL STRUCT	URE FLOO	R PLAN
		SCALE	AS SHOWN	@A1	
		DRAWIN			REV. NO.
		SOURC			
			90mm ()	W) x 40mm (H)	space
			for CON	1PANY LOGO	,
LE M	STEEL BEAM SCHEDULE		90mm (\	W) x 60mm (H)) space
S355 SI	B2UB152*89*16S355B3UB203*102*23S355			RSE/RGE's re/ and stamp of	chop
SI	B4UB356*171*57S355B5UB457*191*74S355				
SICHEDULE	B6 UB533*210*101 S355				
		BD's C	OFFICAL USE		

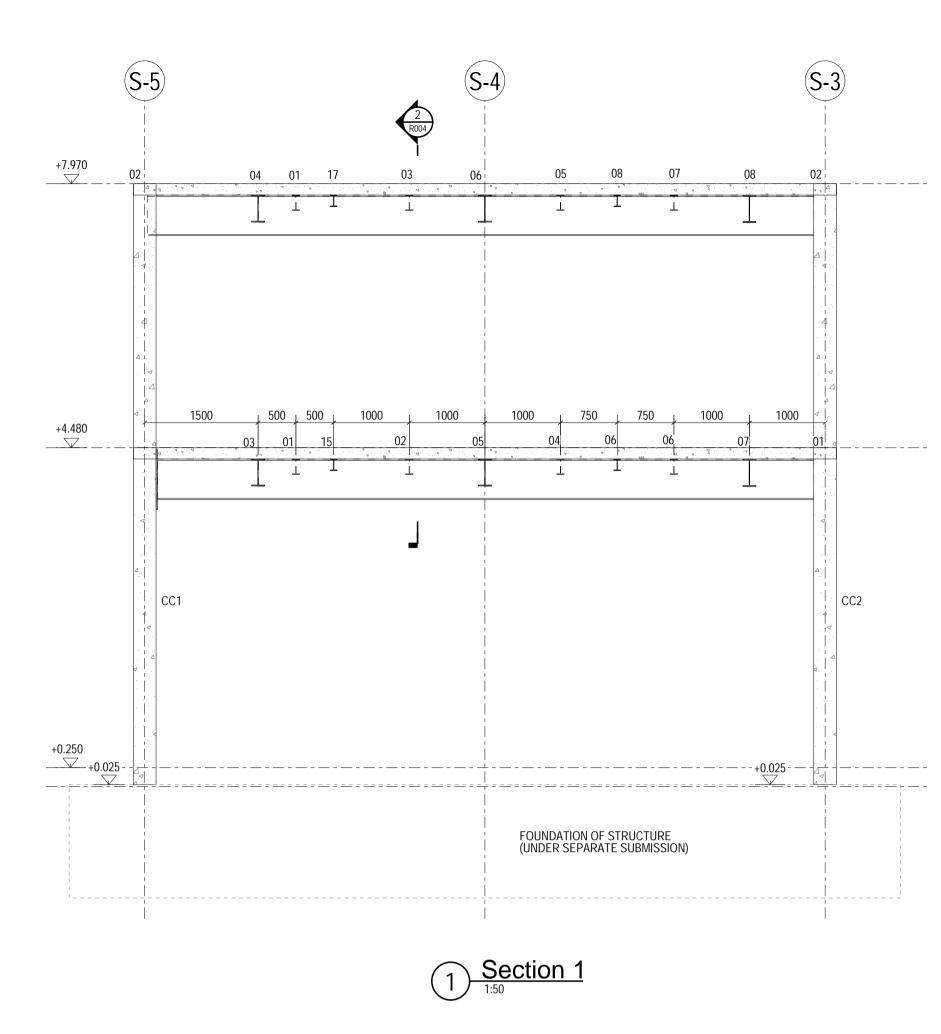
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)

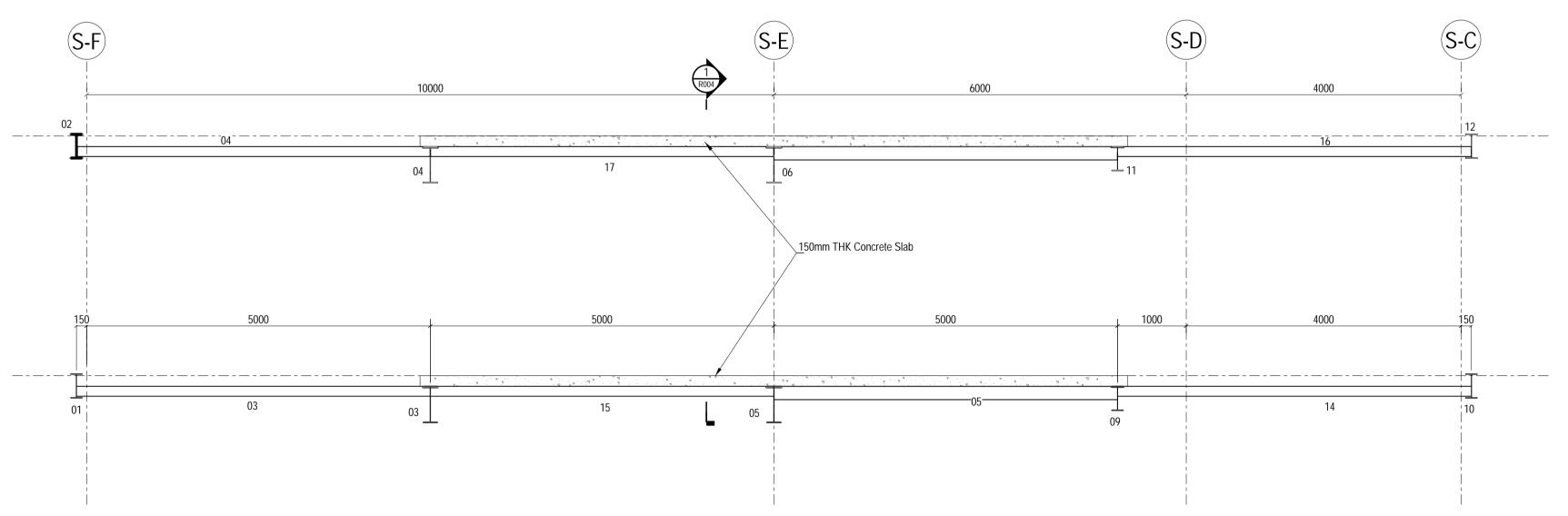


	BD REF		
		· .	
	REV	DATE	AMENDMENT
	PROJEC CIC	SAMPLE P	ROJECT
		NG TITLE	URE DETAIL
		AS SHOWN	
	DRAWIN R003	NG NO.	REV. NO.
	SOURC	E	
		90mm ('	W) x 40mm (H) space
		for COM	IPANY LOGO
		for AP/F	W) x 60mm (H) space RSE/RGE's
		signatur	re/ and stamp chop
	BD's O	FFICAL USE	
SUBMISSION)			
		for BD's	W) x 150mm (H) space approval stamp / tion of copies of
		approve	ed plans ADM-10 APP A)
			I

_T25 REBAR

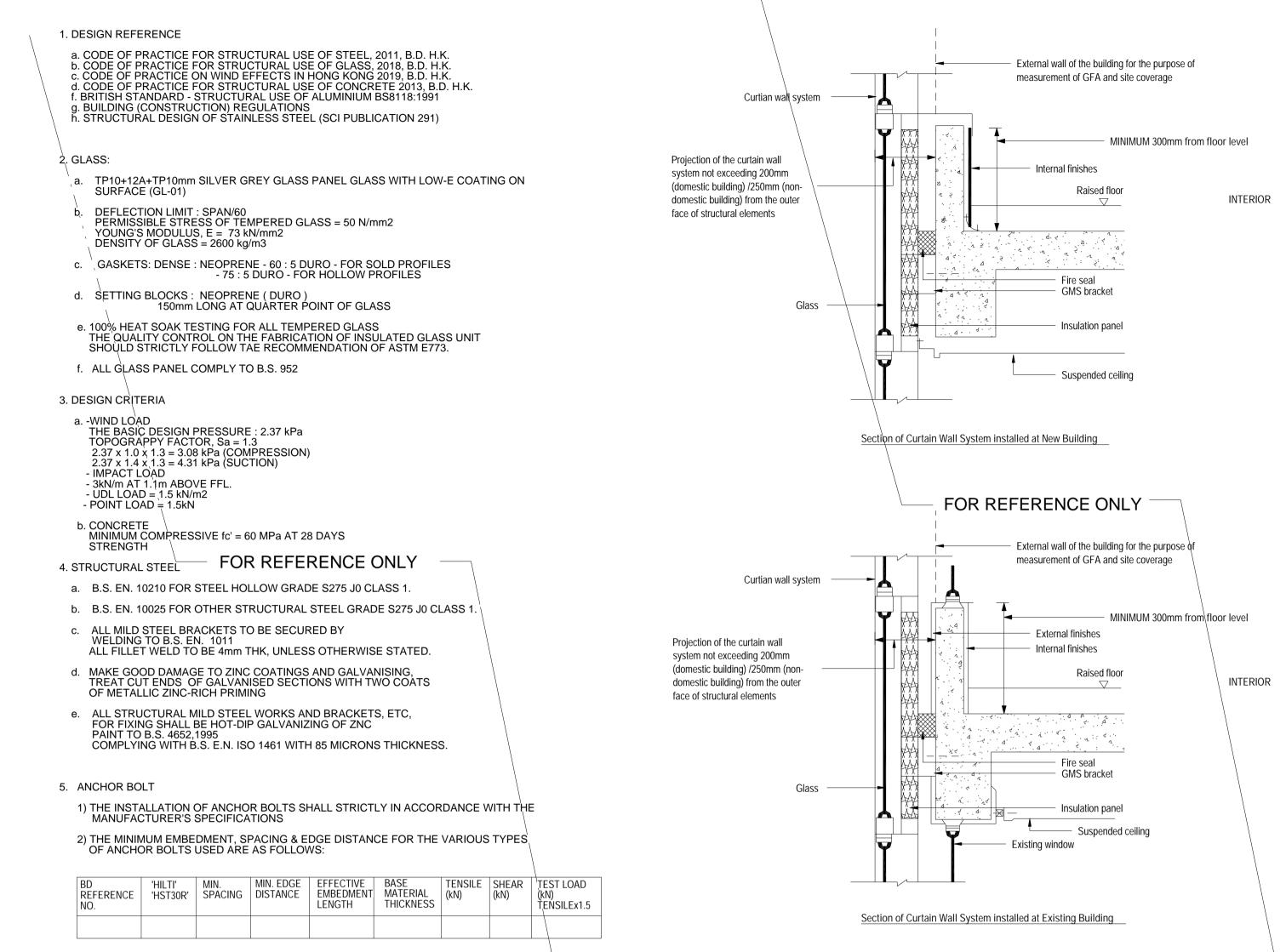
PILE CAP ____(UNDER SEPARATE S







		1
REV	DATE	AMENDMENT
PROJEC CIC	SAMPLE P	PROJECT
DRAWIN	NG TITLE	
		TURE SECTIONS
		TURE SECTIONS
STE	EEL STRUC	
STE SCALE DRAWIN	EEL STRUC	
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN	l@A1
STE SCALE DRAWIN	EEL STRUC AS SHOWN	l@A1
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN NG NO. E	I@A1 REV. NO. (W) x 40mm (H) space
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN NG NO. E	I@A1 REV. NO.
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN NG NO. E	I@A1 REV. NO. (W) x 40mm (H) space
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN NG NO. E	I@A1 REV. NO. (W) x 40mm (H) space
STE SCALE DRAWIN R004	EL STRUC AS SHOWN NG NO. E 90mm of for COM	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/	I@A1 REV. NO. (W) x 40mm (H) space
STE SCALE DRAWIN R004	EEL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/ signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EEL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/ signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/ signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/ signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EL STRUC AS SHOWN NG NO. E 90mm (for COR 90mm (for AP/ signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's
STE SCALE DRAWIN R004 SOURCI	EL STRUC AS SHOWN JG NO. E 90mm (for CON 90mm (for AP/) signatu	J@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's ire/ and stamp chop (W) x 150mm (H) space
STE SCALE DRAWIN R004 SOURCI	AS SHOWN NG NO. E 90mm (for CON 90mm (for AP/) signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
STE SCALE DRAWIN R004 SOURCI	AS SHOWN NG NO. E 90mm (for CON 90mm (for AP/) signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's ire/ and stamp chop (W) x 150mm (H) space
STE SCALE DRAWIN R004 SOURCI	AS SHOWN NG NO. E 90mm (for CON 90mm (for AP/) signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans
STE SCALE DRAWIN R004 SOURCI	AS SHOWN NG NO. E 90mm (for CON 90mm (for AP/) signatu	I@A1 REV. NO. (W) x 40mm (H) space MPANY LOGO (W) x 60mm (H) space RSE/RGE's re/ and stamp chop (W) x 150mm (H) space s approval stamp / ation of copies of ed plans



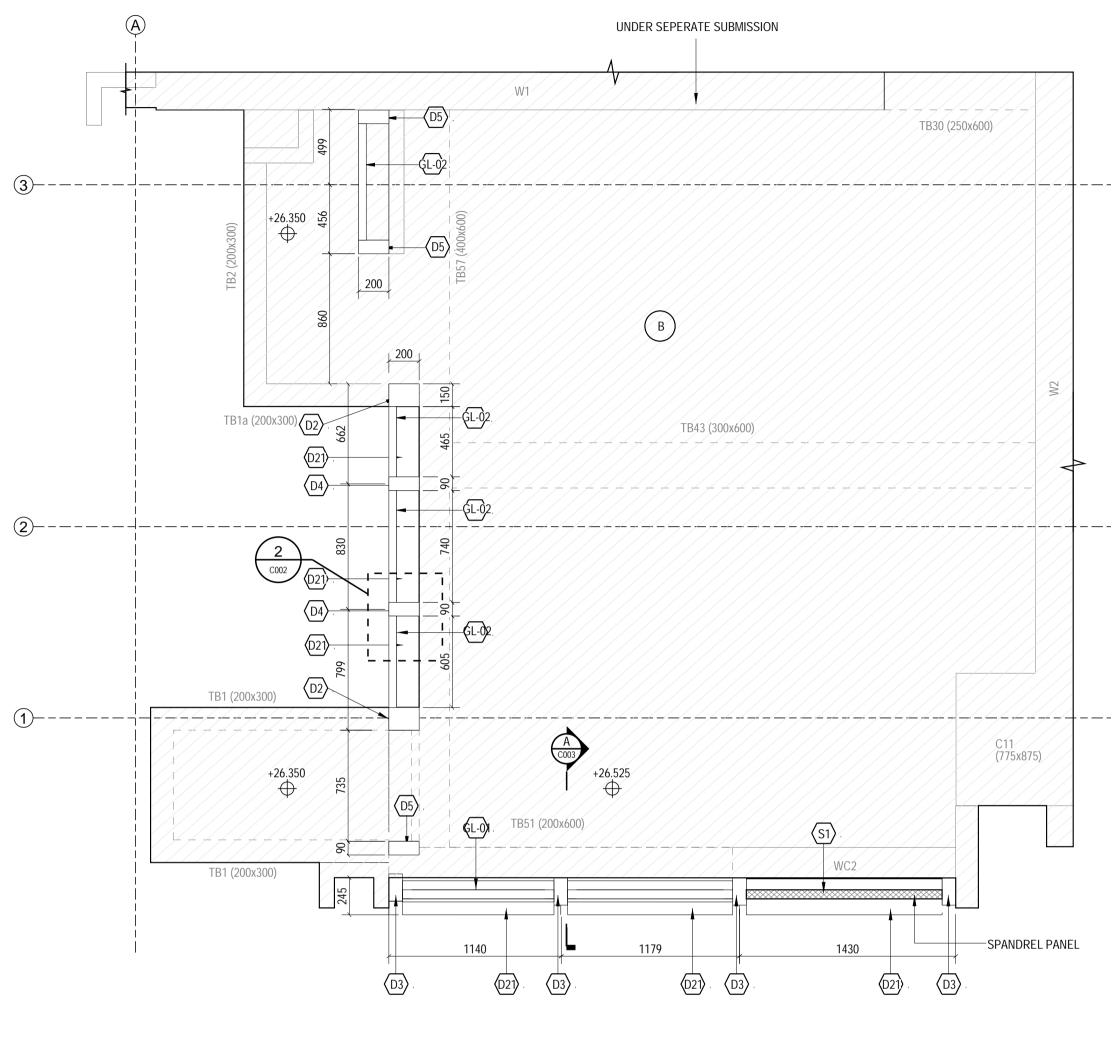
6. ALLOWABLE TOLERANCE:

ALLOWABLE TOLERANCE OF THE POSITIONING OF WINDOW SUPPORTS AND ARRANGEMENTS IS ±25mm

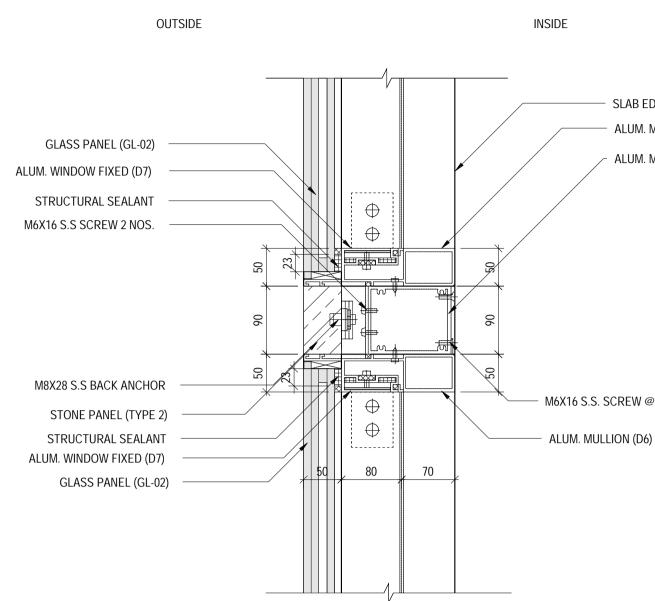


BLOCK PLAN 1:500

	BD REF :
	BIM REF :
+4.	
STR +12.7	
XXX STREET	
	REV DATE AMENDMENT
	CIC SAMPLE PROJECT
	DRAWING TITLE
3.8	CURTAIN WALL GENERAL NOTES
λ	
	SCALE AS SHOWN@A1
	DRAWING NO. REV. NO.
	C001
	SOURCE
	90mm (W) x 40mm (H) space for COMPANY LOGO
	90mm (W) x 60mm (H) space for AP/RSE/RGE's
	for AP/RSE/RGE's signature/ and stamp chop
	BD's OFFICAL USE
	90mm (W) x 150mm (H) space for BD's approval stamp /
	certification of copies of
	approved plans
	approved plans (PNAP ADM-10 APP A)
	approved plans
generated from BIM according to the Standard and User Guides ONLY. It does	approved plans
generated from BIM according to the Standard and User Guides ONLY. It does D's approval requirement of Statutory Plans. The BD approval requirements o matter whether BIM is used or not used for the preparation of Statutory Plans.	approved plans

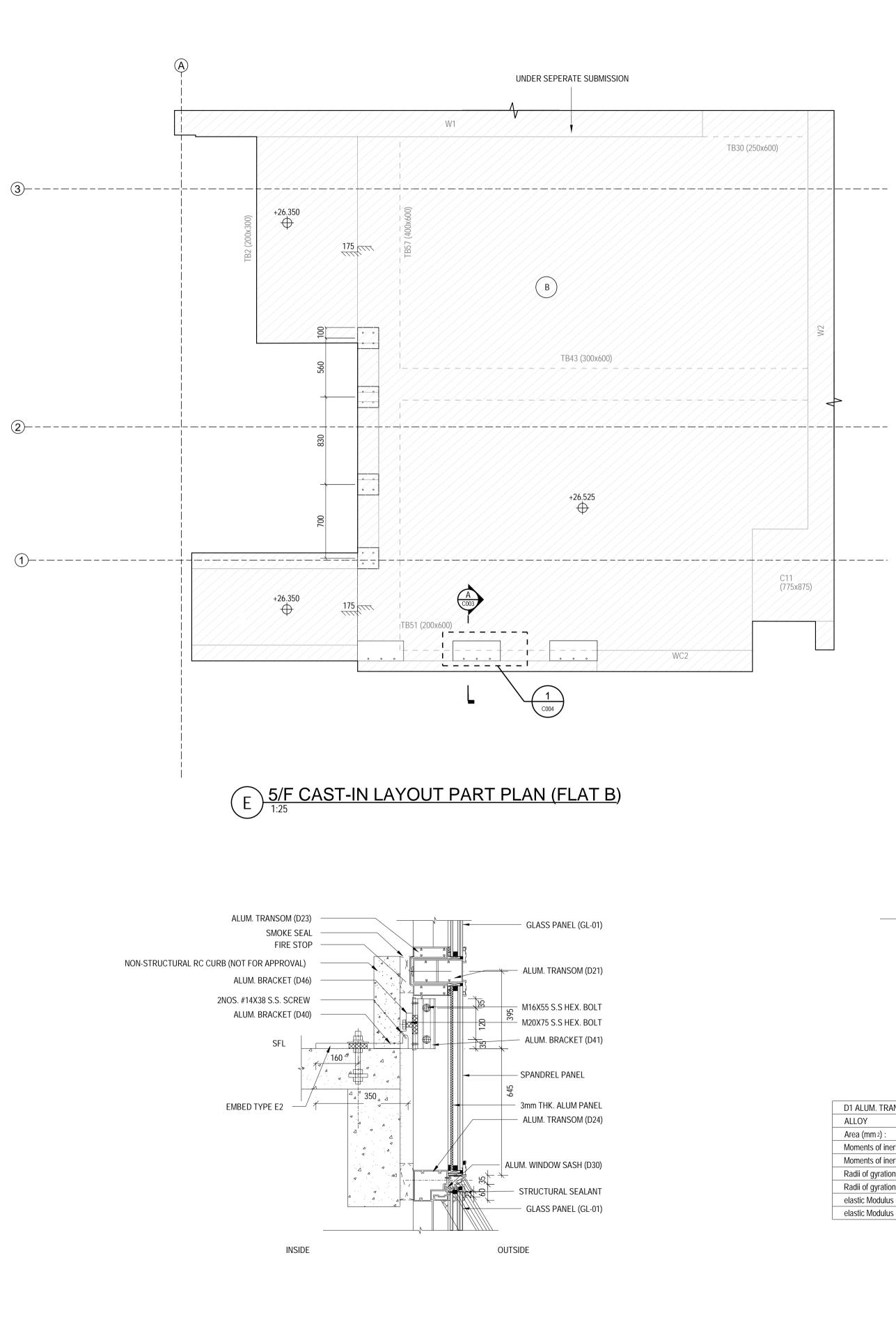


1) 5/F CURTAIN WALL LAYOUT PART PLAN (FLAT B)





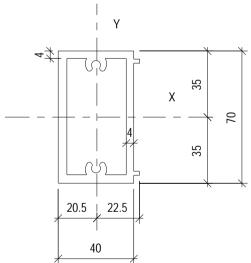
	BD REF :
	BIM REF :
DGE	
MULLION (D6)	
MULLION (D4)	
2/2300c/c MAX.	
)	
	REV DATE AMENDMENT PROJECT
	CIC SAMPLE PROJECT
	DRAWING TITLE CURTAIN WALL LAYOUT PART PLAN
	SCALE AS SHOWN@A1
	DRAWING NO. REV. NO.
	C002
	SOURCE
	90mm (W) x 40mm (H) space for COMPANY LOGO
	IOI COMPANY LOGO
	90mm (W) x 60mm (H) space for AP/RSE/RGE's
	signature/ and stamp chop
	BD's OFFICAL USE
	90mm (W) x 150mm (H) space
	for BD's approval stamp / certification of copies of
	approved plans
	(PNAP ADM-10 APP A)
rated from BIM according to the Standard and User Guides ONLY. It does approval requirement of Statutory Plans. The BD approval requirements ter whether BIM is used or not used for the preparation of Statutory Plans.	
ter whether BIM is used or not used for the preparation of Statutory Plans.	



This is an example of demonstrating the presentation of drawings generated from BIM according to the Standard and User Guides ONLY. It does NOT represent the completeness of Submission Drawings under BD's approval requirement of Statutory Plans. The BD approval requirements should refer to other relevant references and remain unchanged no matter whether BIM is used or not used for the preparation of Statutory Plans.

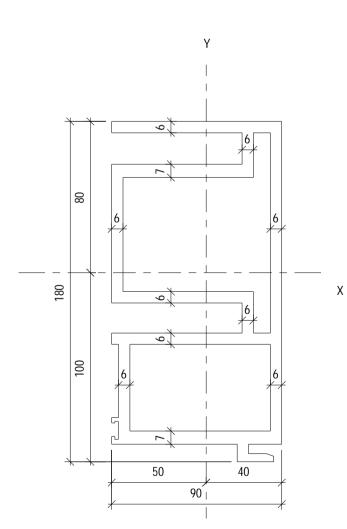
3 TRANSOM DETAIL (D1)

D1 ALUM. TRANSOM	SECTION PROPERTY
ALLOY	6063-T6
Area (mm ²):	922.5
Moments of inertia - X (mm 4) :	592951
Moments of inertia - Y (mm 4) :	211886
Radii of gyration - X (mm) :	25
Radii of gyration - Y (mm) :	15
elastic Modulus - Zx (mm 3) :	l/y - max = 16941
elastic Modulus - Zy (mm 3) :	J/ x- max = 9326

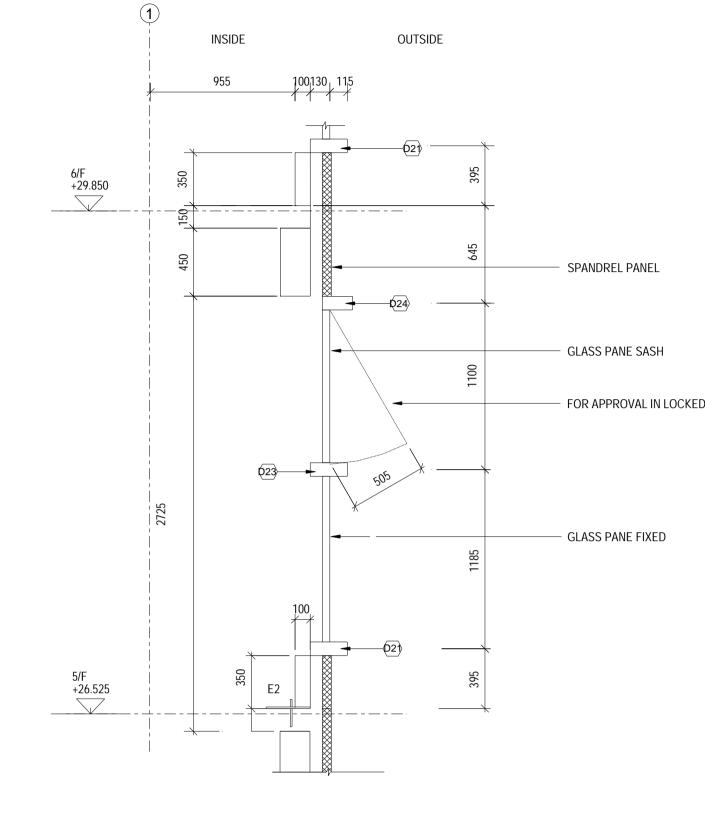




D3 ALUM. MULLION	SECTION PROPERTY
ALLOY	6063-T6
Area (mm 2) :	2311.8
Moments of inertia - X (mm 4):	4509546
Moments of inertia - Y (mm 4):	629163
Radii of gyration - X (mm) :	44
Radii of gyration - Y (mm) :	16
elastic Modulus - Zx (mm 3) :	l/y - max = 63137
elastic Modulus - Zy (mm 3) :	J/ x- max = 25172

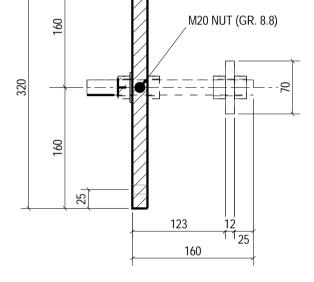






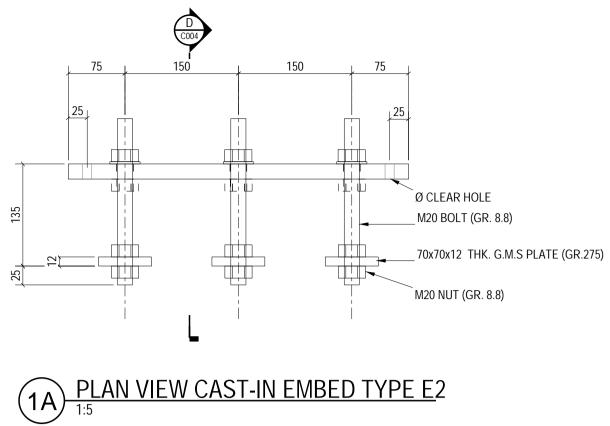
	BD REF :
	BIM REF :
D POSITION ONLY	
	REV DATE AMENDMENT
	PROJECT CIC SAMPLE PROJECT
	DRAWING TITLE
	CURTAIN WALL CAST-IN LAYOUT PLAN
	SCALE AS SHOWN@A1
	DRAWING NO. REV. NO.
	C003
	C003
	C003 SOURCE
	SOURCE 90mm (W) x 40mm (H) space
	SOURCE
	SOURCE 90mm (W) x 40mm (H) space
	SOURCE 90mm (W) x 40mm (H) space
	SOURCE 90mm (W) x 40mm (H) space
	SOURCE 90mm (W) x 40mm (H) space
	SOURCE 90mm (W) x 40mm (H) space
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
coording to the Standard and User Guides ONLY. It does	SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans

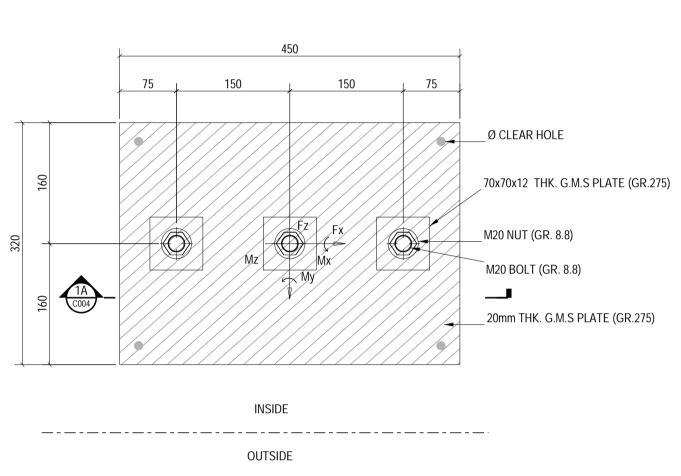
D SIDE VIEW CAST-IN EMBED TYPE E2

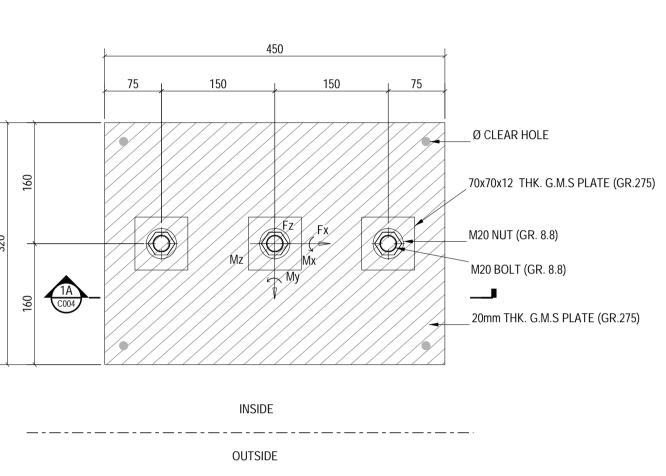


*(W.L.) WIND LOAD ARE REVERSIBLE

UNFACTORED FORC	ES FOR CAST-IN	EMBED TYPE E2
	D.L.	W.L.
Fx (kN)	0	0
Fy (kN)	0	39.5
Fz (kN)	-14	0
Mx (kNm)	0.9	2
My (kNm)	0	0
Mz (kNm)	0	0







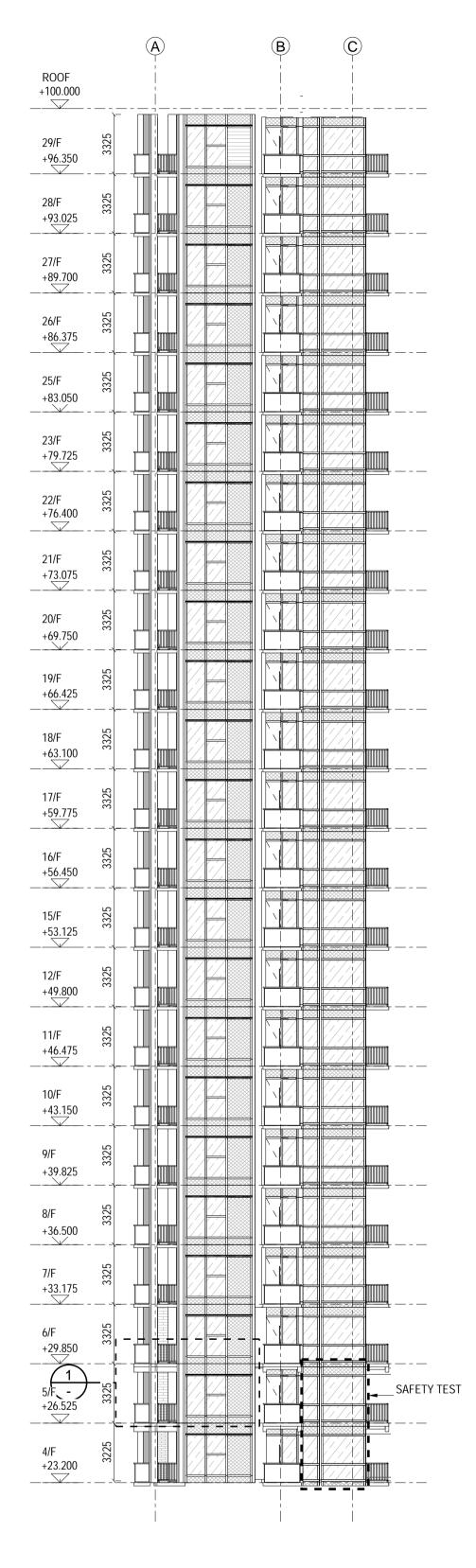


BIM REF	:
REV	DATE AMENDMENT
PROJEC	SAMPLE PROJECT
CIC	SAMPLE PROJECT
	NG TITLE BED DETAIL
	AS SHOWN@A1
DRAWIN C004	IG NO. REV. NO.
SOURC	E
	90mm (W) x 40mm (H) space
	for COMPANY LOGO
	90mm (W) x 60mm (H) space for AP/RSE/RGE's
	signature/ and stamp chop
BD's O	FFICAL USE
BD's O	90mm (W) x 150mm (H) space
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp /
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
BD's O	90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans

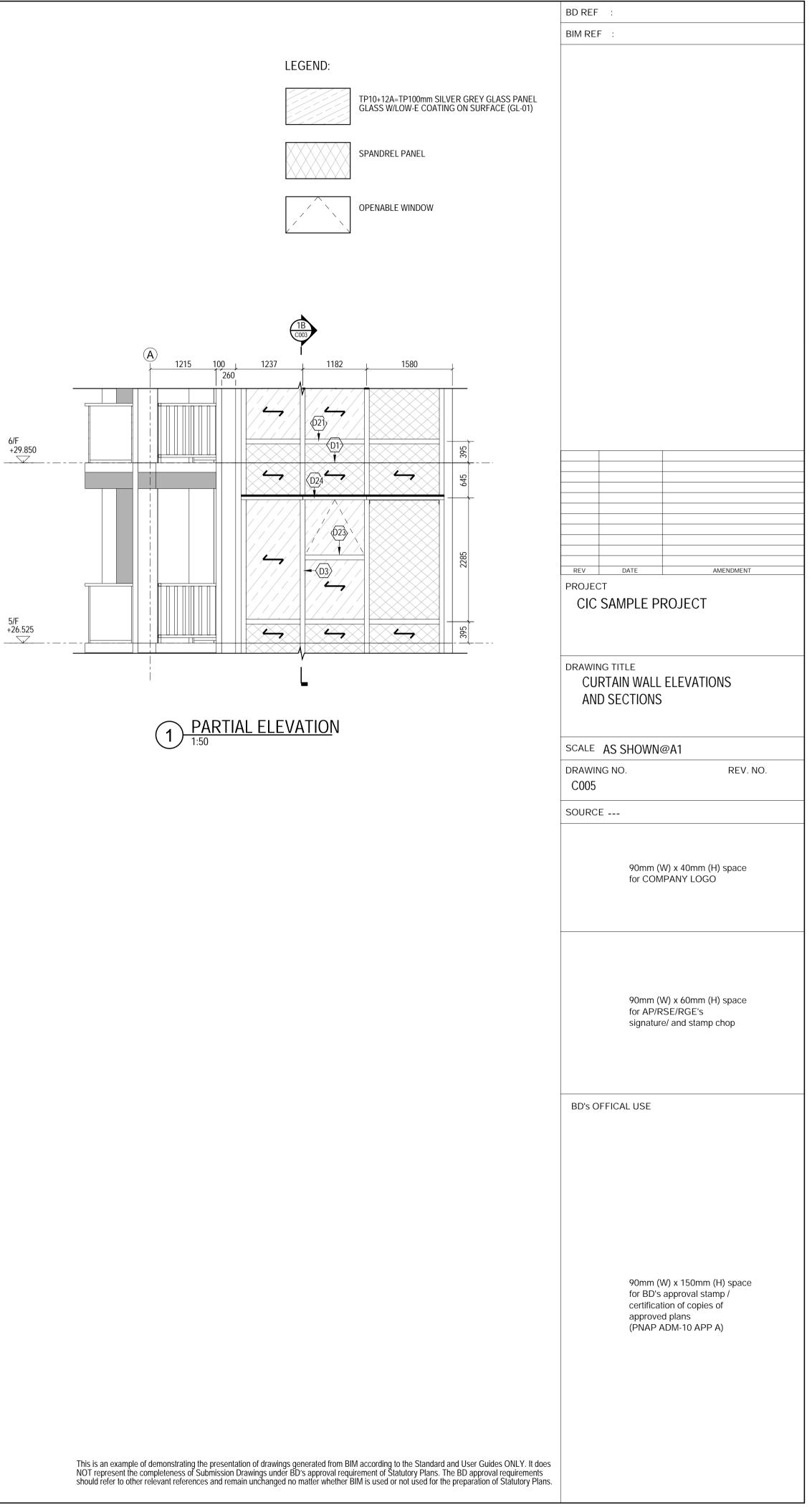
This is an example of demonstrating the presentation of drawings generated from BIM according to the Standard and User Guides ONLY. It does NOT represent the completeness of Submission Drawings under BD's approval requirement of Statutory Plans. The BD approval requirements should refer to other relevant references and remain unchanged no matter whether BIM is used or not used for the preparation of Statutory Plans.

ROOF	K	(H)	G F	Ċ	B	A
+100.000 29/F 0598						
+96.350						
28/F 528 +93.025						
27/F 522 +89.700						
26/F 5288 +86.375						
25/F 525 +83.050						
23/F 5225						
22/F 522/F 476.400						
21/F 522 +73.075						
 20/F						
+69.750						
+00.425						
18/F 5288 +63.100						
17/F 59.775						
16/F 56.450						
15/F 53.125						
12/F 5288 +49.800						
11/F ² CEE +46.475						
10/F 5222 +43.150						
9/F 3352						
+39.825 8/F 500						
+36.500						
+33.175						<u>_</u>
+29.850 ~~						
5/F 5/F +26.525						
4/F 5255 +23.200						

1 <u>ELEVATION 1</u> 1:200



2 ELEVATION 2 1:200



DIMENSION, ALIGNMENT AND INTEGRITY OF THE PILE ROCK SOCKET AND BELLOUT THE CONTRACTOR SHALL SUBMITTE PROPOSED METHOD FOR APPROVAL PRIOT OF COMMENCEMENT OF THE WORKS. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER IMMEDIATELY AFTER TESTING AND SUBMITTED TO BO TOGET/ERE WITH FORM BA14.
12. STEEL REINFORCEMENT SHITL BE BEE EABLICATED INTO A CES AND LOWERED INTO THE TEMPOR STEEL CASING. FOR REFERENCE ONLY
13. FINAL CLEANING SHALL BE ACHIEVED BY MEANS OF HAMMER GRABCD AND AIR LIFTING METHOD USING HIGH PRESSURE AIR COMPRESSORS.
14. THE MUDDY WATER WITHIN THE STEEL CASING SHALL BE CLEANED AND DELIVERED INTO A DESILTIN TANK BEFORE DISCHARGED INTO DRAINS.
15. THE PILE SHAFT SHALL THEN BE CONCRETED USING HIGH SLUMP TREMIE CONCRETE THROUGH TRE PIPE DISPLACING FLUID UPWARDS.
16. DURING CONCRETING OPERATION, THE TEMPORARY STEEL CASING SHALL BE EXTRACTED SIMULTANEOUSLY BY THE OSCILLATOR OR ROTATOR. A HEAD OF APPROX. 2m IS MAINTAINED BETWEEN THE TOP OF THE CONCRETE AND THE BASE OF THE TEMPORARY STEEL CASING.
17. THE BASE OF THE TREMIE PIPE SHALL BE KEPT AT A MINIMUM DEPTH OF APPROX. 2m BELOW THE SURFACE OF THE CONCRETE.
18. CONCRETING SHALL BE CARRIED OUT IN ONE CONTINUOUS OPERATION UNTIL 1.0m.ABOVE THE CUT LEVEL 2 . THE TREMIE PIPE WILL BE EXTRACTED.
19. CORING TEST OF PILES SHALL BE CONDUCTED IN ACCORDANCE WITH PNAP APP-18 AFTER THE CONCRETE IS MATURED.
20. THE CONTRACTOR SHALL CARRY OUT SONIC LOGGING TEST FOR 100% AT THE TOTAL NUMBER OF LARGE DIAMETER BORED PILE BY AN INDEPENDENT APPROVED LABORATORY
21. NO PILE EXCAVATION SHALL CARRIED OUT WITHIN DISTANCE NO LESS THAN 10m FORM AN ADJACEN

FOR PILE ENLARGEMENT BELLOUT, IT SHALL BE FORMED BY EMPLOYING A BELLING OUT TOOL 11. THE CONTRACTOR SHALL CARRY OUT KODEN PILE MONITORING TESTS ON ALL (100%) BORED PILES OR SIMILAR ELECTRONIC CALIBRATION TEST METHOD APPROVED BY THE ENGINEER TO CHECK THE

9. TO LEAANCE FOR BORE PILES - THE MAX, DEVIATION OF THE CENTRE OF THE HEAD OF EACH PILE FROM THE DESIGNED EXHITER POINT BALL NOT BE MORE THAN FORM IN ANY DIRECTION THE MAX DEVIATION FROM THE VERTICAL ANSI OF THE PILE THROUGH THE CENTROID OF THE FINISHED PILE SHALL NOT BE MORE THAN 11 N [D.

DRARY STEEL CASING SHALL BE EXTENDED BY BOLTING OR WELDING ON ADDITIONAL CASIN LATED AND JACKED DOWN BY A OSCILLATOR OR BE ROTATED DOWN BY A ROTATOR. THE JASING SHALL MAINTAIN A MINIMUM OF 1.5m EMBEDMENT LENGTH FROM EXCAVATION LEVEL VERTICALITY OF THE CASING SHALL BE MONITORED BY MEANS OF SPIRIT LEVEL FROM TIME TO TIME.

4. EXCAVATION OF SOIL WITHIN THE TEMPORARY CASING SHALL BE CARRIED OUT BY A HAMMER GRAB. EXCAVATION IN ROCK/BOULDER SHALL BE CARRIED OUT BY RCD.

 BEFORE THE COMMENCEMENT OF THE BORED PILE CONSTRUCTION, PREDRILLHOLES TO BE CA QUT AT PILE POSITION TO VERIFY THE FOUNDING LEVEL. THE HYDRAULIC OSCILLATOR OR ROTATOR SHALL BE SET UP IN CONJUNCTION WITH A CRANE AND THE PORARY STEEL CASING OF THE REQUIRED DIAMETER SHALL BE INSTALLED INTO THE GROUND.

METHOD STATEMENT OF BORED PILE CONSTRUCTION

4. THE ALLOWABLE BOND BETWEEN ROCK AND CONCRETE SHOULD BE 700 KPA UNDER COMPRESSION OR TRANSIENT TENSION AND 350 KPA UNDER PERMANENT TENSION

2. PRE-DRILLING SHALL BE CARRIED OUT FOR EACH PILE TO ASCERTAIN THAT THE FOUNDING TO A DEPTH 5m OR THE DESIGNE FOR REFERENCE ONLY INTO CONTINUOUS CAT (1C) ROCK OR BETTER WITH TCR. 3. PRIOR TO THE COMMENCEMENT OF BORED PILE WORKS, PRE-DRILLING RECORDS SHALL BE SUBMITTED TO THE SATISFACTION OF THE ENGINEER. IN CASE CHANGE IN FOUNDING LEVEL IS REQUIRED CORRESPONDING AMENUMENT SHALL BE SUBMITTED TO BD FOR APPROVAL

1. THE FOUNDING STRATUM SHALL BE SLIGHTLY TO MODERATELY DECOMPOSED MODERATELY STR ROCK OR MATERIAL WEATHERING CAT (IC) ROCK OF BETTER, WITH A TOTAL CORE RECOVERY OF MORE THAN 80% OF THE GRADE ADD MINIMUM LINKALA COMPRESSION STREMGTH (IUCS) NOT LESS THAN 20MPA OR EQUIVALENTLY POINT LOAD INDEX STRENGTH (PLBO) NOT LESS THAN 1MPa. THE LLOVABLE BEARING CAPACITY SHOLLD BE 5000 IP9

ALL BORED PILES SHOULD BE FOUNDED AT THE PRESCRIBED LEVELS WHICH ARE DETERMINED BY THE FOLLOWING CRITERIA:

NOTES ON FOUNDING CRITERIA AND PREDRILLING

8. CUT-OFF LEVEL AND TENTATIVE FOUNDING LEVEL FOR ALL PILES ARE SHOWN IN THE BORED PILE SCHEDULES 10. ALL DIMENSIONS ARE IN mm. 11. ALL LEVELS ARE IN mPD. 12. ESTIMATED PILE LENGTHS GIVEN IN THE PILING SCHEDULE ARE ME/ LEVEL 1 OF INDIVIDUAL PILES. ESTIMATED PILE LENGTHS GIVEN ARE TENTATIVE. ACTUAL PILE LENGTH SHALL BE VERIFIED ON SITE. 14. THE TENTATIVE FOUNDING LEVELS OF BORED-BOREHOLE INFORMATION 15. CONCRETE SHALL BE COMPILED WITH CS1 : 2010, EXCEPT CLAUSE 7. 16. BORED PILE IS DESIGNED AS FIXED HEAD AND PILE CAP TO BE DESIGNED SHALL BE PROVIDED AT B2/F (UNDER SEPARATE SUBMISSION) 18. CORRESPONDING GBP SUBMISSION AND SUBSEQUENT AMENDMENT SHALL BE SUBMITTED TO 1 WITH THE AS-BUILT SETTING OUT OF BORED PILES.

7. ALL LAP LENGTHS OF REIFOR REFERENCE ONLY DIAMETER OF

UTLITED WITHIN (RE WORK ARC). S. ALL REINFORCEMENTS ARE HIGH TENSILE DEFORMED STEEL BAR (Y) AND MILD STEEL ROUND BAR (R) COMPLYING WITH CS2: 2012 WITH MINIMUM YIELD STRESS AS FOLLOWS : HIGH TENSILE DEFORMED STEEL BAR - 500 Way mm MLD STEEL ROUND BARS - 250 Way mm CONSTRUCTION BEAULATION CONCRETING METHOD TO BE BY TREMIE. A REDUCTION FACTOR OF 0.8 SHALL BE APPLIE FOR QOVCRETE STRENGTH.

TACTOR IS ADVISED TO INSPECT THE CONDITIONS ON SITE AND TO RECORD THE EXISTING OF EATURES AND UTILITIES WITHIN AND CLOSE TO THE EXOLATION AREA. THE R SHALL CARRY OUT PRE-CONSTRUCTION DIVERSION OF THE EXISTING UNDERGROUND THIN THE WORK AREA.

 ALL DESIGN IS IN ACOORDANCE WITH 'HONG KONGICONSTRUCTION) REGULATION 1987 WITH LOAD COMBINATION IN ACOORDANCE WITH THALE 2.1 OF 'THE CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013' FOR REINFORCED CONCRETE DESIGN. THE LOAD COMBINATIONS INCLUDE 1.4D+1.8L, 1.4D+1.WJ, 12D+12.4L-12V, 1.0D - 1.4W THE CONTRACTOR SHALL ESTABLISH THE BASE SETTING OUT POINTS AND LINES FOR THE USINEERS

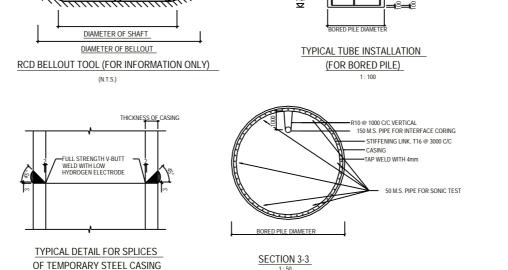
ONCRETE USED IN BORED PILE SHALL HAVE PFA CONTENTS COMPLYING WITH PNAP APP-33 AND NOT SED 25% OF THE CEMENT CONTENT AND COMPLY WITH PNAP APP-74. THE REACTIVE ALKALL OF GRETE EXPRESSED AS THE EQUIVALENT SOLUM OXIDE PER CUBIC METER OF CONCRETE SHOULD

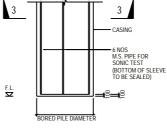
LL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL ND BUILDING SERVICES DRAWINGS. SETTING OUT TO BE IN ACCORDANCE WITH RELEVANT RCHITECTURAL DRAWINGS

GENERAL NOTES FOR BORED PILE

GENERAL NOTES

- 10. ELEXIBLE CAP THEORY IS ADAPTED IN PILE DESIGN
- 9. HIGHEST POSSIBLE GROUND WATER LEVEL TO BE +4.10m
- a. THE DESIGN OF BORED THE STATE AND ADDRESS OF A DATA OF A DAT
- 5. ALL PILE CAP SHOULD BE UNDER SEPARATE SUBMISSION. 6. ALL FOUNDING LEVELS OF BORED PILES AS SHOWN ARE TEN
- 4. CONCRETE GRADE OF PILE CAP IS C45/20UNDER SEPARATE SUBMISSION)
- 3. ALL PROPOSED CAP TOP LEVEL SHOULD BE -6.35mPD. THICKNESS OF CAP TO BE 2500mm/2000m
- . ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE STATES







PNEUMATIC CONTROL

TENTATIVE FOUNDING LEVEL

RING STABILIZER

NOTES ON PROOF TEST BY CORE-DRILLING

1. CORE-DRILLING SHOULD BE TAKEN THROUGH THE FULL DEPTH OF THE PILE AND CARRIED DOWN TO A DISTANCE OF AT LEAST HALF A DIAMETER OF THE BASE, OR 00mm, WHICHEVER IS LARGER, INTO THE GROUND UPON WHICH THE PILE IS FOUNDED. 2. THE COMPLETED CORE TAKEN SHOULD BE PROPERLY MARKED AND ARRANGED IN ORDER FOR INSPECTION.

3. THE CONCRETE COMES SHE FOR REFERENCE ONLY & COMES SHOULD NOT BE MORE THAT HE UNDER NOT THE OTHER SHOULD NOT BE MORE THAT HE UNDER NO. (160) MADE CALMANCE WITH THE OTHER SHOULD NOT BE SHOULD NOT BE

5. THE CORES SMALL ALSO BE EXAMINED TO CONFIRM THE ADEQUACY OF THE INTERFACE BETWEEN THI CONCRETE AND ROCK.

SHOULD ANY SEDIMENT AND RSEGREGATION MORE THAN 50mm THICK BE FOUND AT THE CONCRETE ROCK INTERFACE DURING THE INTERFACE PROOF DRILLING, REMEDIAL WORKS BY MEANS OF PRESSURE GROUTING SHALL BE CARRIED OUT UNDER THE SUPERVISION OF RSE.

3. THE GROUT SHOULD BE CEMENT GROUT AND THE GROUT STRENGTH SHOULD NOT BE LESS THAN THE CONCRETE STRENGTH OF BORD FILES, EFERENCE ONLY

4. THE GROUT PRESSURE SHALL NOT BE LESS THAN 25 BAR AND SHALL BE MAINTAINED FOR AT LEAST MINUTES UNTIL NO SIGNIFICANT GROUT INTAKE IS NOTED.

5. DETALED METHOD STATEMENT FOR THE GROUTING WORKS SHALL BE SUBMITED BY CONTRACTOR THE RES FOR HIS ACCEPTANCE FORCE TO CARRYING OUT THE GROUTING WORKS SHALL BE SUPERVISED BY THE RSE AND ALL RELEVANT RECORDS SHALL BE KEPT ON SITE FOR INSPECTION AT ALL TIMES.

6. FULL DETAILS OF THE REMEDIAL GROUTING WORKS INCLUDING IDENTIFICATION OF THE PILES FOR GROUTING, NATURE AND THICKNESS OF THE SEDIMENTISEGREGATION DISCOVERED, EFFECTIVENESS OF FLUSHING AND GROUTING WORKS, GROUTING RECORDS AND ROUTICUBE TEST REPORTS SHALL I INCORPORATED IN THE PILING REPORTS TO BE SUBMITTED TO THE BUILDING AUTHORITY UPON COMPLETION OF THE PILING WORKS.

COVER THE MAIN REINFORCEMENT = 75mm

 \triangleleft

BINDERS

VERTICAL

35° LINK

SHAFT

ھے

LAP LENGTH=46D (D=DIAMETER OF REBAR)

BORED PILE WITH

SINGLE LAYER REINF'T

N. T. S.

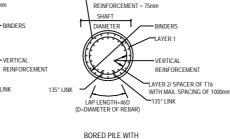
3 ARMS

TYPE1

4. ANY ROCK CORE OBTAINED SHALL BE VISUALLY EXAMINED TO CONFORM TO THE RE MATERIAL SPECIFIED IN THE DESIGN.

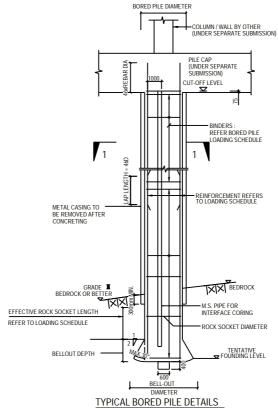
2. THE PILE BASE SHOULD BE CLEANED BY HIGH WATER JETTING WITH MINIMUM JET P BARS PRIOR TO PRESSURE GROUT

NOTES ON MINOR IMPERFECTION OF PILE / ROCK INTERFACE



COVER THE MAIN

DOUBLE LAYER REINF'T



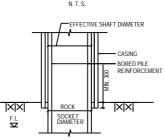
(WITH BELL-OUT)



- 50% OF VERTICAL BAR OF PILE ΕT - 50% OF VERTICAL BAR OF PILE a l -BORED-PILE ₿Τ GTH AP I

LAPPING DETAILS (STAGGERED LAP) FOR TENSION BORED PILE

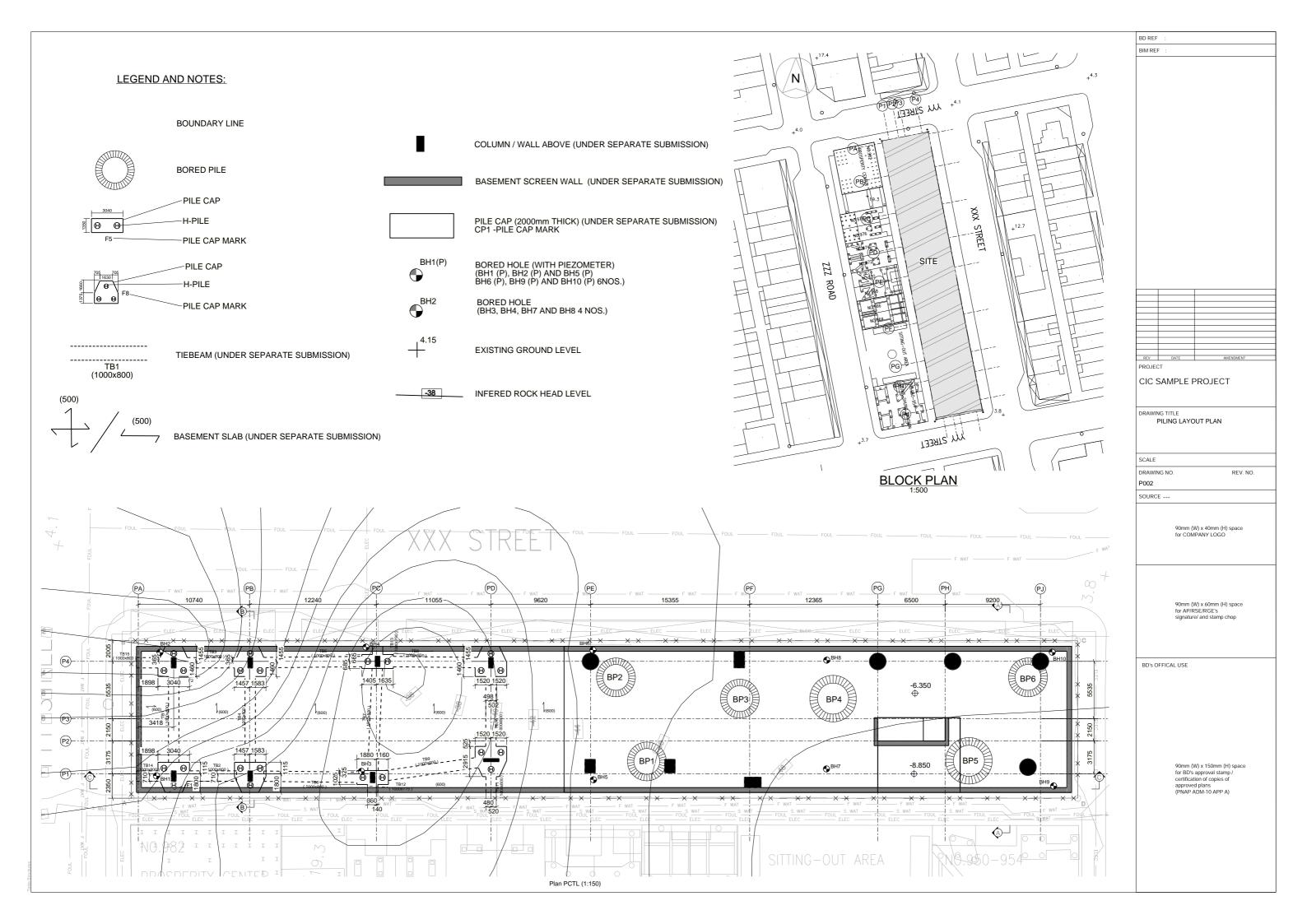
N. T. S.

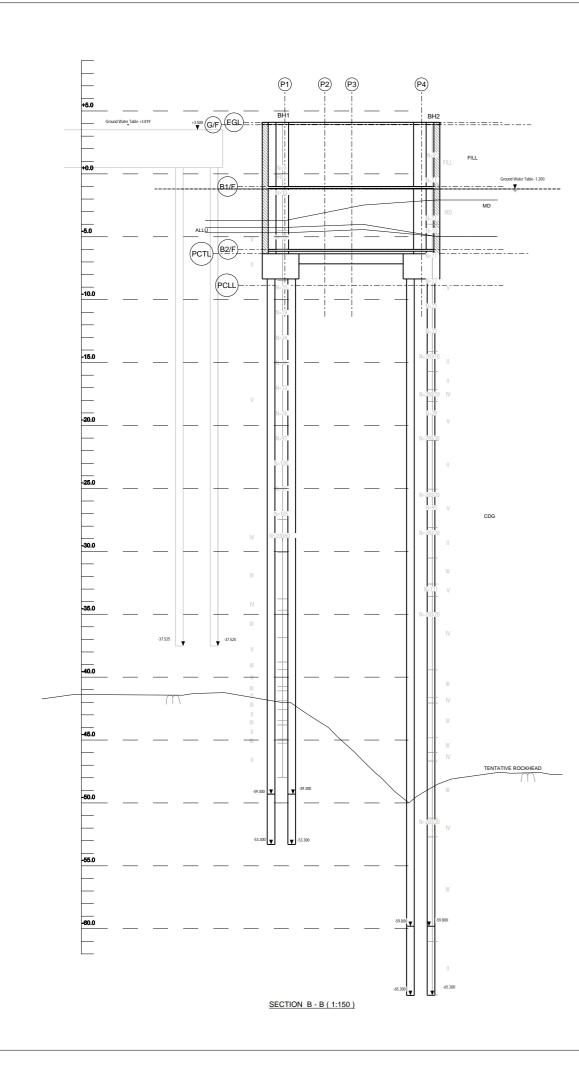


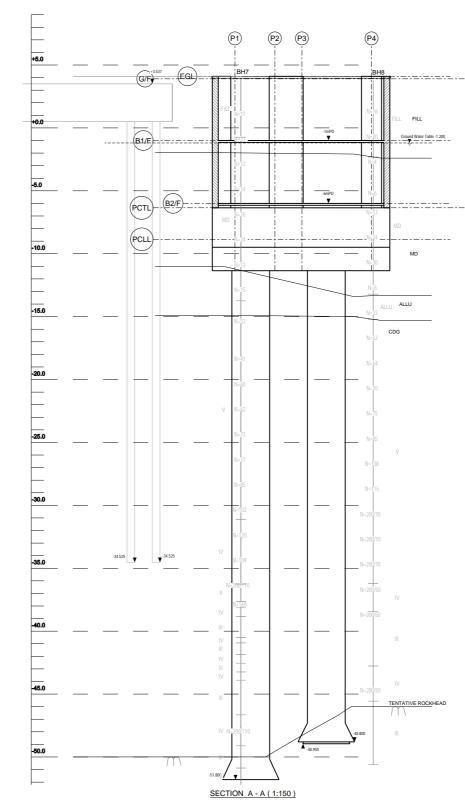
DETAIL OF BORED PILE DIAMETER

N. T. S.

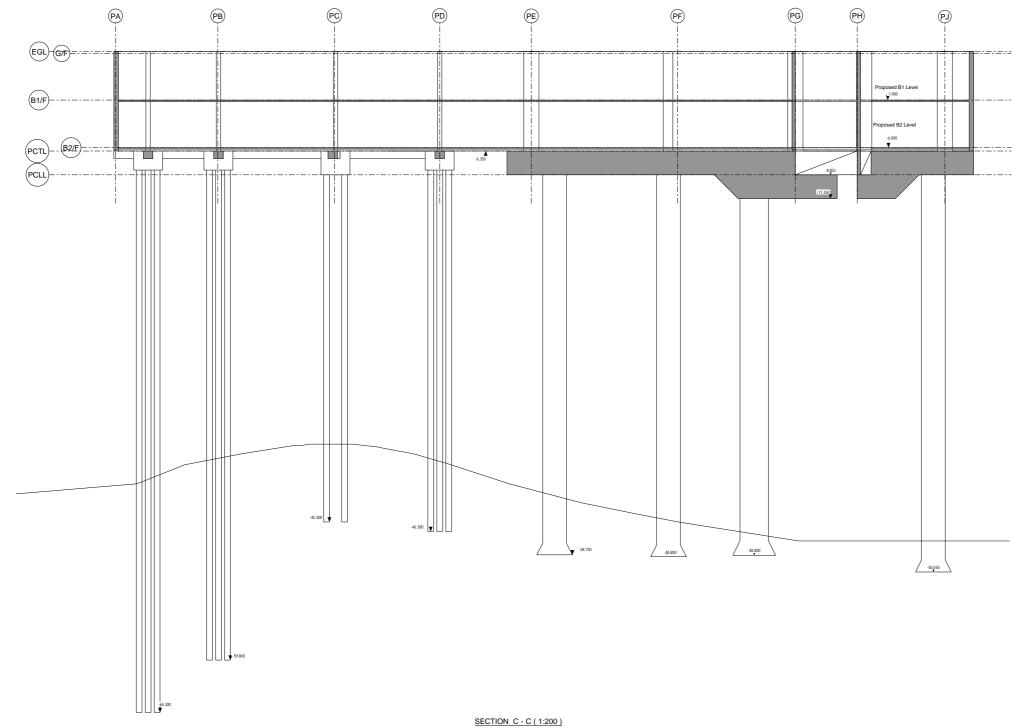
BIM REI		
	F :	
REV PROJEC		AMENDMENT
CICS	SAMPLE I	PROJECT
GENE	RAL NOTES	FOR FOUNDATION
SCALE		
		DEV NO
	NG NO.	REV. NO.
DRAWIN P001 SOURC		REV. NO.
P001		REV. NO.
P001	E	
P001	E 90mm (REV. NO. W) x 40mm (H) space IPANY LOGO
P001	E 90mm (W) x 40mm (H) space
P001	E 90mm (W) x 40mm (H) space
P001	E 90mm (W) x 40mm (H) space
P001	E 90mm (W) x 40mm (H) space
P001	E 90mm (for CON	W) x 40mm (H) space
P001	E 90mm (for CON 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001	E 90mm (for CON 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space
P001	E 90mm (for CON 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001	E 90mm (for CON 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	E 90mm (for CON 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P001 SOURC	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space RSE/RGE's e/ and stamp chop
P001 SOURC	90mm (for COM 90mm (for AP/f signatur 9FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RCE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE 90mm (for BD's certifica approve	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RCE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE 90mm (for BD's certifica approve	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE'S re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ed plans
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE'S re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ed plans
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE'S re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of ed plans
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
P001 SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
SOURC	90mm (for CON 90mm (for AP/f signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans



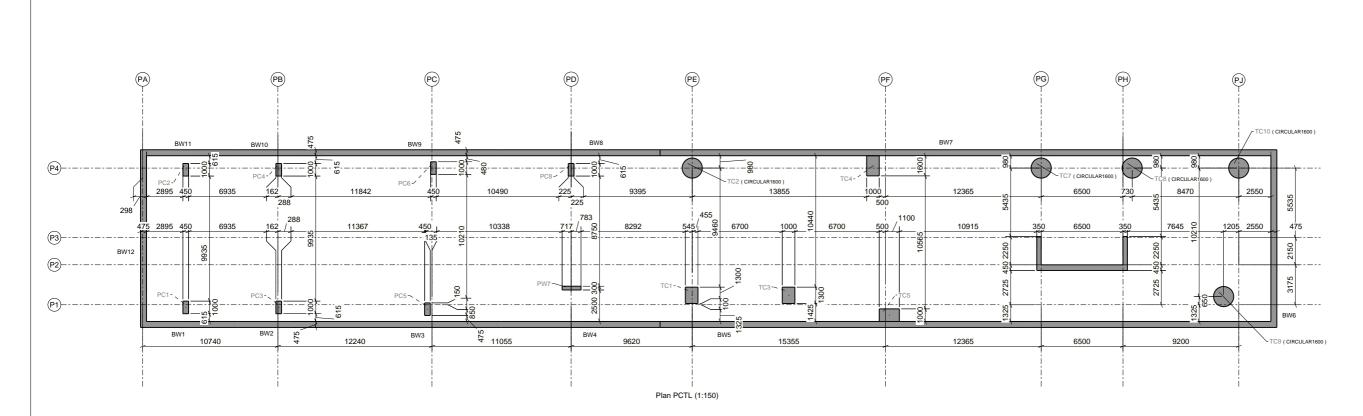




		BD REF	:	
		BIM REI	· :	
	Lot Boundary			
T'I	COLUMN/ WALL (UNDER SEPARATE SUBMISSION)			
	PILE CAP (UNDER SEPARATE SUBMISSION)			
 F3	PILE CAP MARK			
F3HP01 F3HP02	SOCKET H-PILE			
TB1 (1000x800)	 TIE BEAM (UNDER SEPARATE SUBMISSION)			
	PILE CAP (2000mm THICK) CP1 -PILE CAP MARK (UNDER SEPARATE SUBMISSION)			
	Basement Wall			
		PROJEC		AMENDMENT
		CICS	Sample F	PROJECT
				ION A & SECTION B
			12	
		SCALE		
		DDAM		
			IG NO.	REV. NO.
		P003 SOURC		REV. NO.
		P003		REV. NO.
		P003	E 90mm (\	REV. NO. M) x 40mm (H) space IPANY LOGO
		P003	E 90mm (\	W) x 40mm (H) space
		P003	E 90mm (\	W) x 40mm (H) space
		P003	90mm (t for COM	W) x 40mm (H) space
		P003	90mm (for COM 90mm (for AP/R	W) x 40mm (H) space IPANY LOGO
		P003	90mm (for COM 90mm (for AP/R	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R signatur	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R signatur	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R signatur	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R signatur	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R signatur	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space ISE/RGE's
		P003 SOURC	90mm (for COM 90mm (for AP/R signatur FFICAL USE	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space rSE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp /
		P003 SOURC	90mm () for COM 90mm () for AP/R signatur FFICAL USE	Al) x 40mm (H) space IPANY LOGO Al) x 60mm (H) space ISE/RGE's e/ and stamp chop Al) x 150mm (H) space approval stamp / ion of copies of
		P003 SOURC	90mm () for COM 90mm () for AP/R signatur FFICAL USE	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
		P003 SOURC	90mm () for COM 90mm () for AP/R signatur FFICAL USE	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
		P003 SOURC	90mm () for COM 90mm () for AP/R signatur FFICAL USE	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans
		P003 SOURC	90mm () for COM 90mm () for AP/R signatur FFICAL USE	M) x 40mm (H) space IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / tion of copies of d plans



BIM REF						
1						
	_					
					D447-1-7	
PROJEC		ALE.		AMEN	UMENI	
CIC S	SAM	PLE F	PROJE	CT		
			~			
PILIIN	G SE(JIION	U			
SCALE						
DRAWIN	ig NO.			F	REV. NO	·
1.004						
SOURCI	E					
SOURCI	E					
SOURCI	E					
SOURCI	E	90mm (1	N) x 40mr	n (H) sp	pace	
SOURCI	E	90mm (1 for CON	W) x 40mr IPANY LO	n (H) sp IGO	pace	
SOURCI	Ξ	90mm (\ for CON	W) x 40mr IPANY LO	n (H) sp GO	bace	
SOURCI	E	90mm (\ for CON	W) x 40mr IPANY LO	n (H) sp GO	pace	
SOURCI	E	90mm (I for CON	N) x 40mr IPANY LO	n (H) sp GO	bace	
SOURCI	E	90mm (\ for CON	N) x 40mr PANY LO	n (H) sp GO	pace	
SOURCI	E	90mm (\ for COM	N) x 40mr PANY LC	n (H) sp GO	pace	
SOURCI		90mm (\	IPANY LO	n (H) sp		
SOURCI		90mm (1 for AP/F	IPANY LO	n (H) sp	pace	
SOURCI		90mm (1 for AP/F	IPANY LO	n (H) sp	pace	
SOURCI		90mm (1 for AP/F	IPANY LO	n (H) sp	pace	
SOURCI		90mm (1 for AP/F	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
SOURCI BD's O		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
		90mm (\ for AP/R signatur	IPANY LO	n (H) sp	pace	
	FFICAI	90mm (i for AP/F signatur	W) x 60mr SE/RGE's	n (H) sp s mp choj	p	
	FFICAI	90mm (i for AP/F signatur USE 90mm (i	M) x 60mr SE/RGE's / and sta	n (H) sp 3 mp chop	p p	
	FFICAI	90mm () I USE 90mm () USE	M) x 60mm x 60mm e/ and sta e/ and sta	n (H) sp 3 mp chop	p p	
	FFICA	90mm () 90mm () for AP/R signatur	M) x 60mm x 60mm e/ and sta e/ and sta	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	
	FFICA	90mm () 90mm () for AP/R signatur	(N) x 60mm SE/RGE's e/ and sta approval ion of cop oplans.	n (H) sp s mp choj stamp /	p p	



LOCAL AXIS

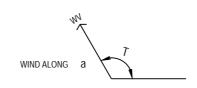


→ wo

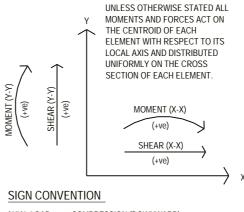
WIND ALONG X 0°



WIND ALONG T



WMAX = ABSOLUTE MAXIMUM OF W0, W90, WU, WV



AXIAL LOAD : + COMPRESSION (DOWNWARD) - TENSION (UPWARD) (P)

 $\begin{array}{l} V_X = \text{SHEAR FORCE ALONG LOCAL X-AXIS} \\ V_Y = \text{SHEAR FORCE ALONG LOCAL Y-AXIS} \\ M_X = \text{MOMENT ALONG LOCAL X-AXIS} \\ M_Y = \text{MOMENT ALONG LOCAL Y-AXIS} \end{array}$





LOCAL AXIS SHOWN ABOVE APPLIES TO COLUMNS & WALLS WITH ANGLE 0°.

Y

LOCAL AXIS SHOWN ABOVE APPLIES TO WALL WITH ANGLE 90°.

, 1°

LOCAL AXIS SHOWN ABOVE APPLIES TO WALL WITH ANGLE 1°.

LOCAL AXIS SHOWN ABOVE APPLIES TO WALL WITH ANGLE -1°.

	÷ :	
	1	
	DATE	AMENDMENT
PROJEC		PROJECT
DRAWIN	IG TITLE	
		OADING PLAN
SCALE		
DRAWIN	IG NO.	REV. NO.
P005		
SOURCI	E	
		W) x 40mm (H) space IPANY LOGO
		W) x 40mm (H) space IPANY LOGO
	for CON	(PANY LOGO)
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	(PANY LOGO)
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
BD's O	90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's e/ and stamp chop W) x 150mm (H) space
BD's O	90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
BD's O	90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space RSE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
BD's O	90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space .approval stamp / tion of copies of d plans
BD's O	90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space .approval stamp / tion of copies of d plans
BD's O	90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
BD's O	90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans

COLUMN LOADING SCHEDULE ABOVE PILE CAP (1 OF 2)

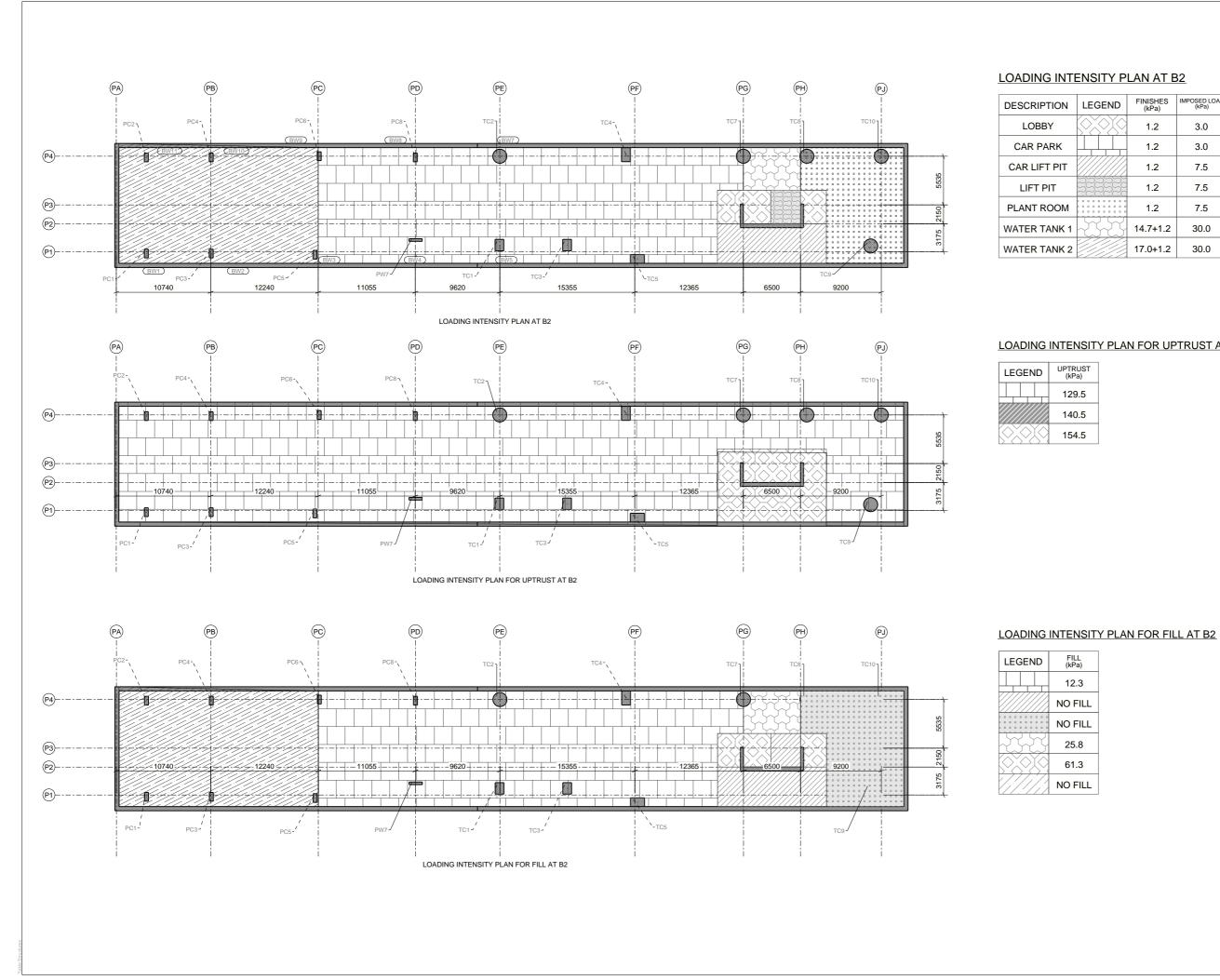
COLUMN MARK ANGLE		MIN DEAD LOAD (Dmin)			SDL			DEAD LOAD (DL) = Dmin + SDL			LIVE LOAD (LL)			DL + LL		
COLOWIN MAR	ANGLE	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)
PC1	0	1600	0	0	800	0	0	2400	0	0	700	0	0	3100	0	0
PC2	0	2100	0	0	1400	0	0	3500	0	0	900	0	0	4400	0	0
PC3	0	2400	0	0	1700	0	0	4100	0	0	1000	0	0	5100	0	0
PC4	0	2300	0	0	2000	0	0	4300	0	0	1000	0	0	5300	0	0
PC5	0	2300	0	0	1400	0	0	3700	0	0	900	0	0	4600	0	0
PC6	0	2500	0	0	1400	0	0	3900	0	0	1000	0	0	4900	0	0
PC8	0	3200	0	0	1100	0	0	4300	0	0	1300	0	0	5600	0	0
PW7	0	4200	0	200	1600	0	300	5800	0	500	1800	0	100	7600	0	600
TC1	0	12700	0	0	5600	0	0	18300	0	0	4500	0	0	22800	0	0
TC2	0	19400	0	0	9300	0	0	28700	0	0	6400	0	0	35100	0	0
TC3	0	17200	0	0	7200	0	0	24400	0	0	7100	0	0	31500	0	0
TC4	0	18000	0	0	7400	0	0	25400	0	0	8100	0	0	33500	0	0
TC5	0	24200	0	0	10900	0	0	35100	0	0	9300	0	0	44400	0	0
TC7	0	16200	0	0	7300	0	0	23500	0	0	6100	0	0	29600	0	0
TC8	0	13400	0	0	6700	0	0	20100	0	0	4200	0	0	24300	0	0
TC9	0	13200	0	0	7200	0	0	20400	0	0	4700	0	0	25100	0	0
TC10	0	13000	0	0	7500	0	0	20500	0	0	4300	0	0	24800	0	0

											c	COLUMN LOADI	G SCHEDULE	ABOVE PILE CA	2 (2 OF 2)											
COLUMN MAR	ANGLE			W0					W90					WD1					WD2					WMAX		
COLOWIN	ANGLE	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)
PC1	0	-200	10	30	0	0	-1000	10	300	0	0	-400	10	80	0	0	-700	-10	230	0	0	1000	10	300	0	0
PC2	0	100	10	30	0	0	1000	-10	290	0	0	200	10	80	0	0	800	-10	230	0	0	1000	10	290	0	0
PC3	0	-200	10	30	0	0	-1600	-10	390	0	0	-500	10	90	0	0	-1200	-10	300	0	0	1600	10	390	0	0
PC4	0	200	10	30	0	0	1600	-10	370	0	0	400	10	90	0	0	1300	-10	290	0	0	1600	10	370	0	0
PC5	0	-200	10	30	0	0	-1800	10	380	0	0	-500	10	90	0	0	-1400	-10	300	0	0	1800	10	380	0	0
PC6	0	100	10	20	0	0	1500	10	350	0	0	300	10	80	0	0	1200	-10	280	0	0	1500	10	350	0	0
PC8	0	-200	10	10	0	0	1300	-10	200	0	0	-200	10	40	0	0	1300	-10	170	0	0	1300	10	200	0	0
PW7	0	-400	270	10	0	1200	-1100	-80	10	0	-400	-700	450	10	0	2000	-600	-330	10	0	-1400	1100	450	10	0	2000
TC1	0	-1300	10	20	0	0	-11400	-30	510	0	0	-3800	-10	90	0	0	-8300	-20	420	0	0	11400	30	510	0	· ·
TC2	0	-500	50	20	0	0	15200	-20	540	0	0	1400	80	90	0	0	13100	-60	450	0	0	15200	80	540	0	0
TC3	0	-500	-10	-10	0	0	-13100	-10	340	0	0	-2700	-10	40	0	0	-10400	10	290	0	0	13100	10	340	0	0
TC4	0	-1400	-10	-20	0	0	-13000	-50	350	0	0	-4100	-20	20	0	0	-9500	-40	310	0	0	13000	50	350	0	0
TC5	0	-600	50	10	0	0	20600	-20	400	0	0	2100	80	60	0	0	17600	-60	330	0	0	20600	80	400	0	0
TC7	0	-1500	50	-10	0	0	19000	20	-490	0	0	300	90	-70	0	0	17100	-30	-400	0	0	19000	90	490	0	0
TC8	0	600	60	20	0	0	17000	30	-470	0	0	3400	90	-50	0	0	13500	-40	-410	0	0	17000	90	470	0	0
TC9	0	3100	-40	10	0	0	-17300	230	330	0	0	2700	-30	50	0	0	-17100	220	280	0	0	17300	230	330	0	0
TC10	0	2100	40	-10	0	0	13300	60	360	0	0	5400	70	40	0	0	9100	10	310	0	0	13300	70	360	0	0

									OVE PILE CAP (,						
WALL MARK	ANGLE	M	IN DEAD LOAD (Dmin)		SDL		DEAD	LOAD (DL) = DI	min + SDL		LIVE LOAD (LL)		DL + LL	
WALL WARK	ANGLE	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)	P (kN)	M2 (kNm)	M3 (kNm)
BW1	0	2300	0	-900	700	0	-500	3000	0	-1400	400	0	-200	3400	0	-1600
BW2	0	3200	0	-600	1100	0	-300	4300	0	-900	700	0	-100	5000	0	-1000
BW3	0	3200	0	-600	900	0	-300	4100	0	-900	600	0	-100	4700	0	-1000
BW4	0	2600	0	-300	400	0	-100	3000	0	-400	400	0	-100	3400	0	-500
BW5	0	11300	0	-2500	2200	0	2600	13500	0	100	4000	0	-3300	17500	0	-3200
BW6	90	4000	0	-2200	1000	0	-800	5000	0	-3000	1100	0	-600	6100	0	-3600
BW7	0	19600	0	-11400	5800	0	1800	25400	0	-9600	6000	0	-14700	31400	0	-24300
BW8	0	3400	0	500	800	0	300	4200	0	800	600	0	100	4800	0	900
BW9	0	2000	0	-200	200	0	-100	2200	0	-300	200	0	-200	2400	0	-500
BW10	0	2000	0	-100	400	0	-100	2400	0	-200	100	0	-200	2500	0	-400
BW11	0	1700	0	-100	400	0	100	2100	0	0	200	0	-100	2300	0	-100
BW12	90	1600	0	-400	300	0	-200	1900	0	-600	200	0	-100	2100	0	-700
TW6A	90	4700	0	200	2000	0	200	6700	0	400	2100	0	-100	8800	0	300
TW6B	0	24200	0	1200	10400	0	200	34600	0	1400	9600	0	1000	44200	0	2400
TW6C	90	4600	0	300	2100	0	100	6700	0	400	1900	0	-100	8600	0	300

												WALL LOADING	SCHEDULE AB	OVE PILE CAP (2 OF 2)											
WALL MARK	ANGLE			WO					W90					WD1					WD2					WMAX		
WALL MARK	ANGLE	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)	P (kN)	V2 (kN)	V3 (kN)	M2 (kNm)	M3 (kNm)
TW6A	90	-2600	-280	-10	0	25500	8300	4880	-10	0	-1100	-3300	200	-10	0	1800	9400	4330	-10	0	2220	9400	4880	10	0	25500
TW6B	0	900	3170	10	0	600	-47600	-180	-10	0	27700	-5300	5340	-10	0	46800	-40200	-3190	-10	0	-26100	47600	5340	10	0	46800
TWEC	90	2400	120	-10	0	26700	9100	5150	10	0	300	5300	910	10	0	4100	5300	4160	10	0	21900	9100	5150	10	0	26700

BD REF		
BIM REI	F :	
REV		AMENDMENT
PROJEC	CT	
CICS	SAMPLE F	PROJECT
DRAWIN	NG TITLE	
		OADING SCHEDULE
SCALE		
DRAWI	NG NO.	REV. NO.
DRAWIN	NG NO.	REV. NO.
P006		REV. NO.
		REV. NO.
P006		REV. NO.
P006	Ē	
P006	E 90mm (1	REV. NO. W) x 40mm (H) space IPANY LOGO
P006	E 90mm (1	W) x 40mm (H) space
P006	E 90mm (1	W) x 40mm (H) space
P006	E 90mm (1	W) x 40mm (H) space
P006	E 90mm (1	W) x 40mm (H) space
P006	E 90mm (1	W) x 40mm (H) space
P006	E 90mm (1	W) x 40mm (H) space
P006	E 90mm (for COM	W) x 40mm (H) space IPANY LOGO
P006	E 90mm (for COM 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	E 90mm (for COM 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space
P006	E 90mm (for COM 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	E 90mm (for COM 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	E 90mm (for COM 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	E 90mm (for COM 90mm (for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for CON 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's
P006	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop
P006	90mm (for COM 90mm (for AP/F signatur 0FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space ISE/RGE's e/ and stamp chop
P006	90mm (for COM 90mm (for AP/F signatur 0/FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans
P006	E 90mm (for COM 90mm (for AP/F signatur FFICAL USE	 W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / ition of copies of d plans



END	FINISHES (kPa)	IMPOSED LOAD (kPa)
X	1.2	3.0
	1.2	3.0
	1.2	7.5
	1.2	7.5
	1.2	7.5
-73	14.7+1.2	30.0
	17.0+1.2	30.0

LOADING INTENSITY PLAN FOR UPTRUST AT B2

BD REF :	
BIM REF :	
	DATE AMENDMENT
PROJECT	
	IPLE PROJECT
010 0/11	
DRAWING TIT	
LOADING	INTENSITY PLAN
SCALE	
DRAWING NO	. REV. NO.
DRAWING NO P007). REV. NO.
P007). REV. NO.
). REV. NO.
P007). REV. NO.
P007). REV. NO.
P007	90mm (W) x 40mm (H) space
P007	
P007	90mm (W) x 40mm (H) space
P007	90mm (W) x 40mm (H) space
P007	90mm (W) x 40mm (H) space
P007	90mm (W) x 40mm (H) space
P007	90mm (W) x 40mm (H) space
P007	90mm (W) x 40mm (H) space
P007	90mm (W) x 40mm (H) space for COMPANY LOGO
P007	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P007	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space
P007	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P007	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P007	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop VL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop LL USE
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop VL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop VL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
P007 SOURCE	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop VL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans

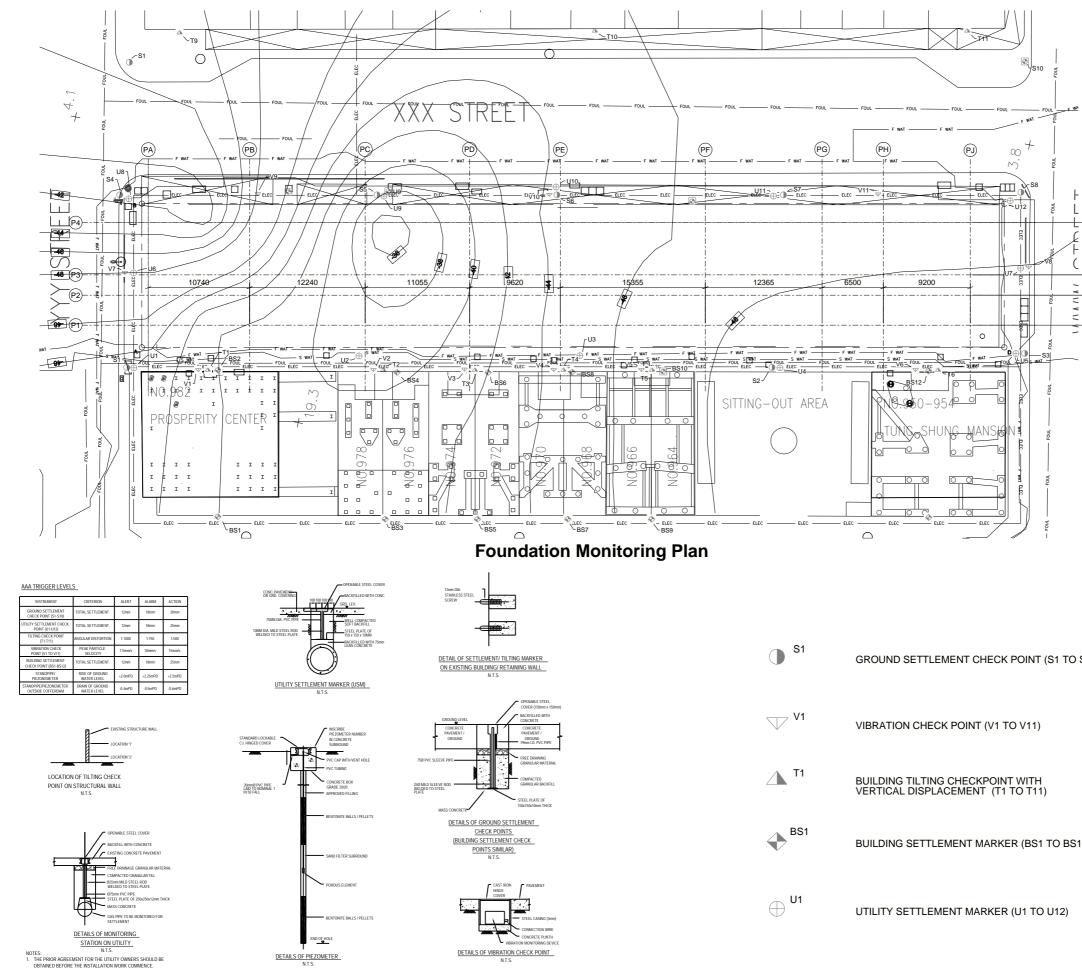
									В	ORED PILE L	OADING SCH	EDULE (1 OF	2)									
						(X)	(AA)	(W)	Z=W-0.3-(X)-(Y)	(AB)=(AA)-(Z)	(Y)	(a)	(b)	(c)=(a)+(b)	(d)	(b)+(d)	(e)	(f)=(b)+(d)+(e)	(h)	(i)	(j)	(k)
BORED PILE	BORED PILE CAP THICKNESS (FOR	BORED PILE		ROCK SOCKET		BELLOUT DEPTH	CUT-OFF LEVEL	TENTATIVE ROCKHEAD	TENTATIVE	TENTATIVE PILE	EFFECTIVE ROCK SOCKET	SELF-WEIGHT OF BORED PILE	Dmin (total)	Dmin + SWP	SDL(total)	TOTAL DEAD LOAD (DL) = Dmin	LIVE LOAD (LL)	DL + SDL + LL	Wmax (total)	TOTAL UPLIFT FORCE DUE TO		L LOAD DUE TO NG EFFECT
MARK	REFERENCE ONLY)	DIAMETER	SHAFT DIAMETER	DIAMETER	DIAMETER	BELLOUT DEPTH	CUI-OFF LEVEL	LEVEL	LEVEL	LENGTH	LENGTH	(SUBMERGED) (SWP)	Dinin (total)	Dimit + SWF	SDE(IUIAI)	+ SDL	(total)	DE + 3DE + EE	willax (lotal)	GROUND WATER (U)	WITHOUT WIND	WITH WIND
	(m)	(m)	(m)	(m)	(m)	(m)	(mPD)	(mPD)	(mPD)	(m)	(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
BP1	2.50	3.00	2.80	2.80	4.50	1.50	-8.761	-47.00	-52.40	43.639	3.60	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0
BP3	2.50	3.00	2.80	2.80	4.50	1.50	-8.761	-47.00	-52.40	43.639	3.60	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0
BP4	2.50	3.00	2.80	2.80	4.50	1.50	-11.280	-47.00	-52.40	41.120	3.60	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0
BP4	2.50	3.00	2.80	2.80	4.50	1.50	-8.761	-47.00	-52.40	43.639	3.60	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0
BP5	2.50	3.00	2.80	2.80	4.50	1.50	-11.280	-47.00	-52.40	41.120	3.60	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0
BP6	2.50	3.00	2.80	2.80	4.50	1.50	-8.780	-47.00	-52.40	43.620	3.60	3950	45600	49550	17500	63100	15200	78300	15800	-21400	0	0

	(f)	(f)+(h)	(f)+(a)+(j)	(f)+(h)+(a)+(k)	(l)=(b)+(i)	(m)=(b)-(h)+(i)	(n)=(b)-1.5*(h)+1.5 *(i)				(o)	(p)=(o)*1.25	(q)	(r)=(q)*1.25	(r1)	(p1)	(a1)=Min of((((r1),(p1)/3))+(a)	(u1)=Min of(((r1)*2,(p1))+(a)	(u)=(o)+(q)	(v)=(u)*1.25	(b)+0.9*(u1)-1.5 *(h) +1.5*(i)>0	(b)+(a1)-(h)+(i)>0	
		MAX. F	PILE LOAD			MIN. PILE LOA	D				PILE BARING (COMPRE		ROCK FRICTION (COMPRESSION)	ROCK FRICTION	ROCK/SOIL	UPLIFT RE	SISTANCE	BORED PILE BEAF (COMPRE		STABILI	TY CHECK	
BORED PILE MARK	DL + SDL + LL	DL + SDL + LL + Wmax	DL + SDL + LL + Stepping Load	DL + SDL + LL + Wmax + Stepping Load	Dmin + SWP -U	Dmin + SWP - Wmax - U	Dmin + SWP - 1.5Wmax - 1.5U	VERTIC	AL BARS	LINKS	WITHOUT WIND	WITH WIND	WITHOUT WIND	WITH WIND	(TENSION)	MASS (SUBMERGED)	ALLOWABLE	ULTIMATE	WITHOUT WIND	WITH WIND	Dmin + 0.9*Ru -1.5Wmax - 1.5U	Dmin + Ra - Wmax - U	REFERENCE BORED HOLE
	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	LAYER 1	LAYER 2		(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	Ra (kN)	Ru (kN)	(kN)	(kN)	(kN)	(kN)	
BP1	78300	94100	82250	98050	28150	12350	-6250	54 T40	50 T40	T16 / 300 (2 rings)	798530	998162	17250	21562	11090	21899	11249	25849	815780	1019725	13064	19649	BP1
BP3	78300	94100	82250	98050	28150	12350	-6250	54 T40	50 T40	T16 / 300 (2 rings)	798530	998162	17250	21562	11090	21899	11249	25849	815780	1019725	13064	19649	BP3
BP4	78300	94100	82250	98050	28150	12350	-6250	54 T40	50 T40	T16 / 300 (2 rings)	798530	998162	17250	21562	11090	21899	11249	25849	815780	1019725	13064	19649	BP4
BP5	78300	94100	82250	98050	28150	12350	-6250	54 T40	50 T40	T16 / 300 (2 rings)	798530	998162	17250	21562	11090	21899	11249	25849	815780	1019725	13064	19649	BP5
BP6	78300	94100	82250	98050	28150	12350	-6250	54 T40	50 T40	T16 / 300 (2 rings)	798530	998162	17250	21562	11090	21899	11249	25849	815780	1019725	13064	19649	BP6

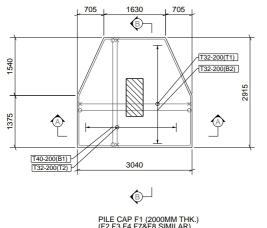
											SOCKET H-	PILE LOADING S	SCHEDULE (1 OF	2)										
		(A)	(A)		(AA)	(w)	(Z)	(AB)		(Y)	(P1)	(P2)	(P3) = (P1) + (P2)	(a)	(P4) = (P3) + (a)	(b)	(d)	(b) + (d)	(e)	(f) = (b) + (d) + (c)	(h)	(1)	0	(k) = (j) * 1.25
PILE MARK	PILE CAP THICKNESS (FOR REFERENCE ONLY)	PIPE EFFECTIVE SHAFT DIAMETER	ROCK SOCKET DIAMETER	PILE CAP BASE LEVEL	CUT-OFF LEVEL	TENTATIVE ROCKHEAD LEVEL	TENTATIVE FOUNDING LEVEL	TENTATIVE PILE LENGTH	TENTATIVE PILE LENGTH ABOVE RH	EFFECTIVE ROCK SOCKET LENGTH	ROCK MASS (SUBMEGED)	SOIL MASS SURROUNDING PILE (SUBMERGED)	ROCK/SOIL MASS (SUBMERGED W/O PILE SELF-WEIGHT	SELF-WEIGHT (SUBMERGED) (SWP)	ROCK / SOIL MASS (SUBMERGED) W/ PILE SELF WEIGHT		SDL PER PILE	TOTAL DEAD LOAD (DL) - Dmin + SDL	LIVE LOAD (LL)	DL + SDL + LL	Wmax PER PILE	UPLIFT FORCE PER PILE (AT THE BOTTOM OF CAP) (U)		L LOAD DUE TO NG EFFECT
	(m)	(m)	(mPD)	(mPD)	(mPD)	(m)	(m)	(m)	(m)	(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)
SP1A	2	0.55	0.55	-53.30	-28.275	-46.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP1B	2	0.55	0.55	-63.30	-28.275	-46.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP1C	2	0.55	0.55	-63.30	-28.275	-46.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP2A	2	0.55	0.55	-65.30	-28.275	-58.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP2B	2	0.55	0.55	-65.30	-28.275	-58.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP2C	2	0.55	0.55	-65.30	-28.275	-58.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP3A	2	0.55	0.55	-49.30	-28.275	-42.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP3B	2	0.55	0.55	-49.30	-28.275	-42.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP3C	2	0.55	0.55	-49.30	-28.275	-42.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP4A	2	0.55	0.55	-59.80	-28.275	-52.80		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP4B	2	0.55	0.55	-59.80	-28.275	-52.80		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP4C	2	0.55	0.55	-59.80	-28.275	-52.80		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP5A	2	0.55	0.55	-46.30	-28.275	-39.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP5B	2	0.55	0.55	-46.30	-28.275	-39.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000	l	0
SP6A	2	0.55	0.55	-45.30 -45.30	-28.275 -28.275	-38.30 -38.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		
SP6B	2	0.55	0.55	45.30	-28.275	-38.30		-8.275		/				190		8290	2900	11190	2100	13290	1300	-10000		0
SP7A	2	0.55	0.55	47.30	-28.275	-40.30		-8.275		7				190		8290	2900 2900	11190	2100	13290	1300	-10000		0
SP7B	2	0.55	0.55	47.30	-28.275	-40.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP7C	2	0.55	0.55	47.30	-28.275	-40.30		-8.275		1				190		8290	2900	11190	2100	13290	1300	-10000		0
SP8A	2	0.55	0.55	-46.30	-28.275	-39.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP8B	2	0.55	0.55	-46.30	-28.275	-39.30		-8.275		7				190		8290	2900	11190	2100	13290	1300	-10000		0
SP8C	2	4.55	0.55	++0.30	*28.275	-39.30	1	-0.2/5	1	L /		1	1	130	1	0290	2300	1190	2:00	13200	1300	-10000	1	

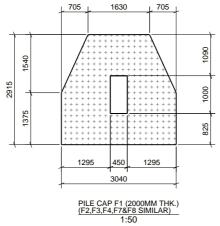
							SOCKET H-I	PILE LOADING S	CHEDULE (2 OF	F 2)						
	(1)	(f)+(h)	(f)+(a)+(j)	(f)+(h)+(a)+(k)	(l)=(b)+(a)+(l)	(m)=(b)-(h)+(i)	(n)=(b)-1.5*(h)+1.5 *(i)	(0)	(p)=(o)*1.25	(r1)	(p1) = (P3)	(a1)-Min of((([r1),(p1)/3))+(a)	(µ1)-Min of((((r1)*2,(p1))+(a)	(b)+0.9"(u1)-1.5 "(h) +1.5"(i)>0	(b)+(a1)-(b)+(i)>0	
		MAX. F	ILE LOAD			MIN. PILE LOAI	5		NG CAPACITY RESSION)	ROCK FRICTION	ROCK/SOIL	UPLIFT R	ESISTANCE	STABILI	TY CHECK	
BORED PILE MARK	DL + SDL + LL	DL + SDL + LL + Wmax	DL + SDL + LL + SWP + Stepping Load	DL + SDL + LL + Wmax + SWP + Stepping Load	Dmin + SWP -U	Dmin + SWP - Wmax - U	Dmin + SWP - 1.5Wmax - 1.5U	WITHOUT WIND	WITH WIND	(TENSION)	MASS (SUBMERGED)	ALLOWABLE	ULTIMATE	Dmin + 0.9"Ru -1.5Wmax - 1.5U	Dmin + Ra - Wmax - U	REFERENCE BORED HOLI
	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(m)	(kN)	(kN)	(kN)	Ra (kN)	Ru (kN)	(kN)	(kN)	
SP1A	13290															
SP1B	13290															
SP1C	13290															
SP2A	13290															
SP2B	13290															
SP2C	13290															
SP3A	13290															
SP3B	13290															
SP3C	13290															
SP4A	13290															
SP4B	13290															
SP4C	13290															
SP5A	13290															
SP5B	13290															
SP6A	13290															
SP6B	13290															
SP7A	13290															
SP7B	13290															
SP7C	13290															
SP8A	13290															
SP8B	13290															
SP8C	13290															

BD REF				
BIM REF	- :			
			1	
REV	D	ATE	AMENDMENT	
PROJEC				
CICS	SAM		PROJECT	
0.00			1100201	
DRAWIN				
F	PILE	LOAD S	SCHEDULE	
SCALE				
SCALE DRAWIN	IG NO		REV. NO.	
	IG NO		REV. NO.	
DRAWIN			REV. NO.	
DRAWIN P008			REV. NO.	
DRAWIN P008			REV. NO.	
DRAWIN P008		90mm (1	W) x 40mm (H) space	
DRAWIN P008		90mm (1		
DRAWIN P008		90mm (1	W) x 40mm (H) space	
DRAWIN P008		90mm (1	W) x 40mm (H) space	
DRAWIN P008		90mm (1	W) x 40mm (H) space	
DRAWIN P008		90mm (1	W) x 40mm (H) space	
DRAWIN P008		90mm () for CON	W) x 40mm (H) space IPANY LOGO	
DRAWIN P008		90mm (i for COM 90mm (i for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008		90mm (i for COM 90mm (i for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space	
DRAWIN P008		90mm (i for COM 90mm (i for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008		90mm (i for COM 90mm (i for AP/F	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (for COIV for COIV 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's	
DRAWIN P008 SOURCI	E	90mm (i for COIv for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop	
DRAWIN P008 SOURCI	E	90mm (for CON 90mm (for AP/IP signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space RSE/RGE's e/ and stamp chop	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp /	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	
DRAWIN P008 SOURCI	E	90mm (for COM 90mm (for AP/F signatur	W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space StE/RGE's te/ and stamp chop w) x 150mm (H) space approval stamp / tion of copies of	

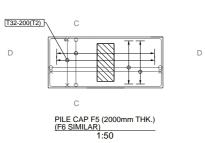


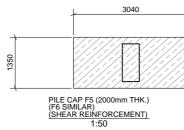
	BD REF :	
	BIM REF :	
<u>4</u> 14		
F		
L		
C		
(b		
<u> </u>		
2150		
3175		
-		
_		
-		
	REV DATE	AMENDMENT
	PROJECT	
	CIC SAMPLE F	
	CIC SAMPLE P	RUJECI
	DRAWING TITLE	
	FOUNDATION MON	NITORING PLAN
	SCALE	
	DRAWING NO.	REV. NO.
	P009	
	SOURCE	
	SOURCE	
	SOURCE	
	90mm (\	M) x 40mm (H) space
	90mm (\	M) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
) S10)	90mm (\	W) x 40mm (H) space IPANY LOGO
0 S10)	90mm (\	W) x 40mm (H) space IPANY LOGO
) S10)	90mm (u for COM 90mm (u	IPANY LOGO M) x 60mm (H) space
D S10)	90mm (for COM 90mm (for AP/R	IPANY LOGO
0 S10)	90mm (for COM 90mm (for AP/R	IPANY LOGO M) x 60mm (H) space ISE/RGE's
9 S10)	90mm (for COM 90mm (for AP/R	IPANY LOGO M) x 60mm (H) space ISE/RGE's
) S10)	90mm (for COM 90mm (for AP/R	IPANY LOGO M) x 60mm (H) space ISE/RGE's
9 S10)	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
9 S10)	90mm (for COM 90mm (for AP/R	IPANY LOGO M) x 60mm (H) space ISE/RGE's
) S10)	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
) S10)	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
9 S10)	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
) S10)	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
9 S10)	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
	90mm (U for COM 90mm (U for AP/R signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
	90mm (\ for COM 90mm (\ for AP/R signatur BD's OFFICAL USE	M) x 60mm (H) space ISE/RGE's e/ and stamp chop
	90mm (for COM 90mm (for AP/R signatur BD'S OFFICAL USE	/PANY LOGO M) x 60mm (H) space :SE/RGE's e/ and stamp chop M) x 150mm (H) space
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
D S10) S12)	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans
	90mm (for COM 90mm (for AP/R signatur BD's OFFICAL USE BD's OFFICAL USE	IPANY LOGO M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / ion of copies of d plans







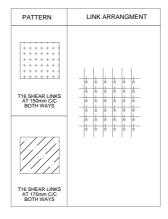


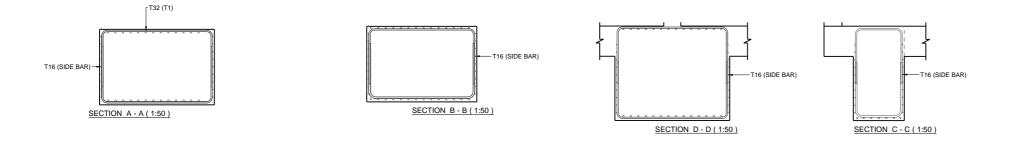


LEGEND:

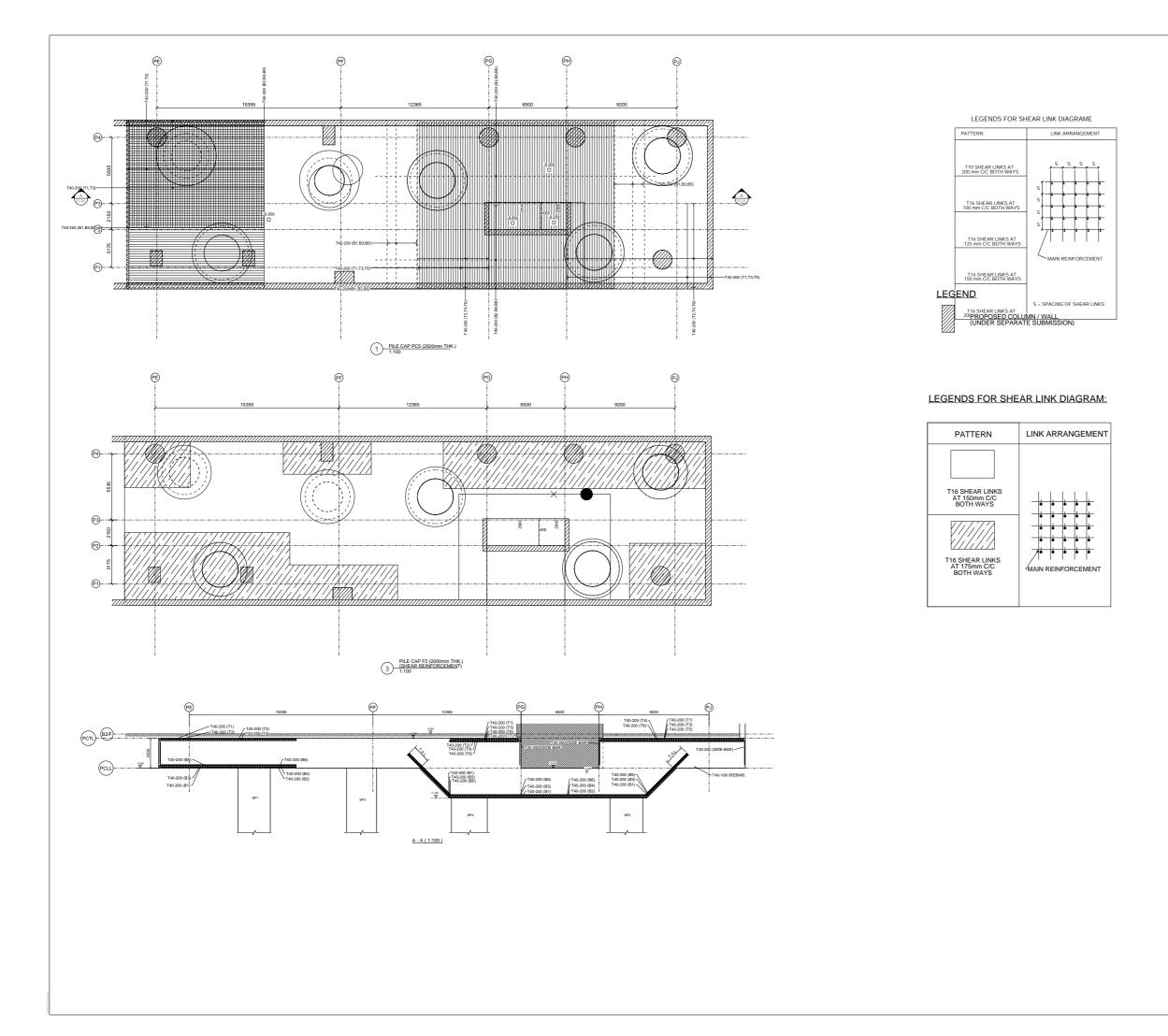


LEGENDS FOR SHEAR LINKS DIAGRAM :



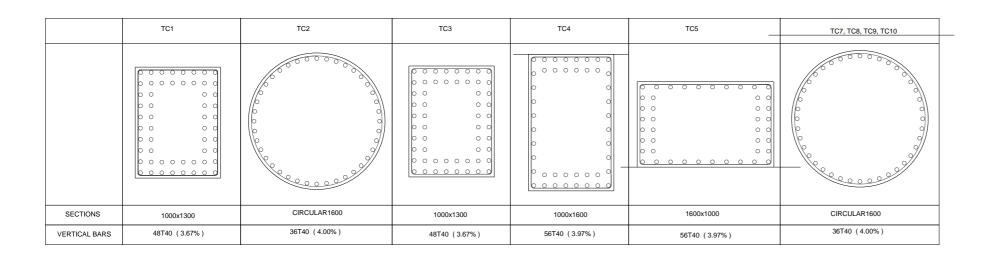


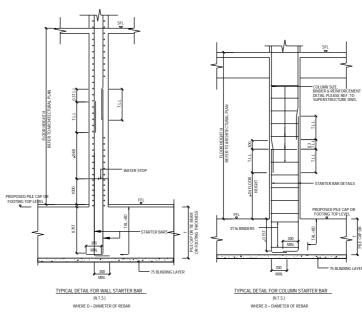
BD REF		
REV	DATE	AMENDMENT
PROJEC		
CICS		PROJECT
DRAWIN	IG TITLE	
	AP REINFOI	
LATUU	JI PLAN (I	OF 2)
SCALE		
DRAWIN	NG NO.	REV. NO.
P010		
SOURCI	E	
	90mm (W) x 40mm (H) space
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	for CON	IPANY LOGO W) x 60mm (H) space
	for CON 90mm (for AP/F	IPANY LOGO
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	for CON 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
	90mm (for AP/F signatur	W) x 60mm (H) space SE/RGE's re/ and stamp chop
	for CON 90mm (for AP/F signatur FFICAL USE	IPANY LOGO W) x 60mm (H) space RSE/RGE's re/ and stamp chop W) x 150mm (H) space
	90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SSE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space SSE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
	for COM 90mm (for AP/F signatur FFICAL USE	 W) x 60mm (H) space SE/RGE's re/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans



BD REF : BIM REF :		
BIM REF :		
251/	DATE	AMPAIDMPAIT
PROJECT	DATE	AMENDMENT
CIC SAN	1PLE F	PROJECT
DRAWING TI	TLE	
		RCEMENT
LAYOUT P	PLAN (2)	OF 2)
SCALE		
DRAWING NO	D.	REV. NO.
P010A		
SOURCE		
	90mm ()	W) x 40mm (H) space
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	W) x 40mm (H) space IPANY LOGO
	90mm (for CON	M) x 40mm (H) space IPANY LOGO
	90mm (' for CON	W) x 40mm (H) space IPANY LOGO
	for CON	IPANY LOGO M) x 60mm (H) space
	for CON 90mm (I for AP/F	IPANY LOGO M) x 60mm (H) space ISE/RGE's
	for CON 90mm (I for AP/F	IPANY LOGO M) x 60mm (H) space
	for CON 90mm (I for AP/F	IPANY LOGO M) x 60mm (H) space ISE/RGE's
	for CON 90mm (I for AP/F	IPANY LOGO M) x 60mm (H) space ISE/RGE's
	for CON 90mm (I for AP/F	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BDy OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFICA	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC/	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (for AP/F signatur	IPANY LOGO M) x 60mm (H) space ISE/RGE's
BD's OFFIC	90mm (i for AP/F signatur	M) x 60mm (H) space ISE/RGE's e/ and stamp chop
BD's OFFIC	90mm () 90mm () AL USE 90mm ()	<pre>/PANY LOGO // x 60mm (H) space // SE/RGE's e/ and stamp chop // x 150mm (H) space</pre>
BD's OFFIC	90mm () 90mm AP/F signatur	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp /
BD's OFFIC/	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / iton of copies of
BD's OFFIC.	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC.	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC.	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans
BD's OFFIC.	90mm () 90mm () for AP/F signatur AL USE 90mm () for BD's certifica	M) x 60mm (H) space (SE/RGE's e/ and stamp chop M) x 150mm (H) space approval stamp / lion of copies of d plans

	PC1	PC2	PC3	PC4	PC5	PC6	PW7	PC8
SECTIONS	450x1000	450x1000	450x1000	450x1000	450x1000	450x1000	300x1500	450x1000
VERTICAL BARS	14T40 (3.59%)	14T40 (3.83%)	14T40 (3.82%)	14T40 (3.53%)	14T40 (3.90%)	14T40 (3.83%)	14T40 (3.83%)	14T40 (3.91%)

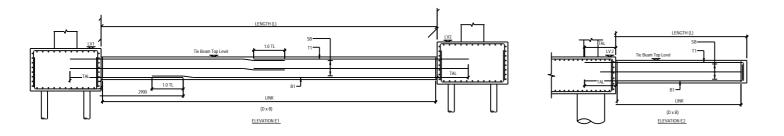




BD REF :
BIM REF :
REV DATE AMENDMENT
PROJECT
CIC SAMPLE PROJECT
CIC SAMI LET ROSECT
DRAWING TITLE
COLUMN AND WALL STARTER DETAILS
SCALE
DRAWING NO. REV. NO.
P011
SOURCE
90mm (W) x 40mm (H) space
for COMPANY LOGO
90mm (W) x 60mm (H) space for AP/RSE/RGE's
signature/ and stamp chop
BD's OFFICAL USE
BB3 OFFICIE USE
90mm (W) x 150mm (H) space
for BD's approval stamp / certification of copies of
approved plans
(PNAP ADM-10 APP A)

FOOTING THICKNESS

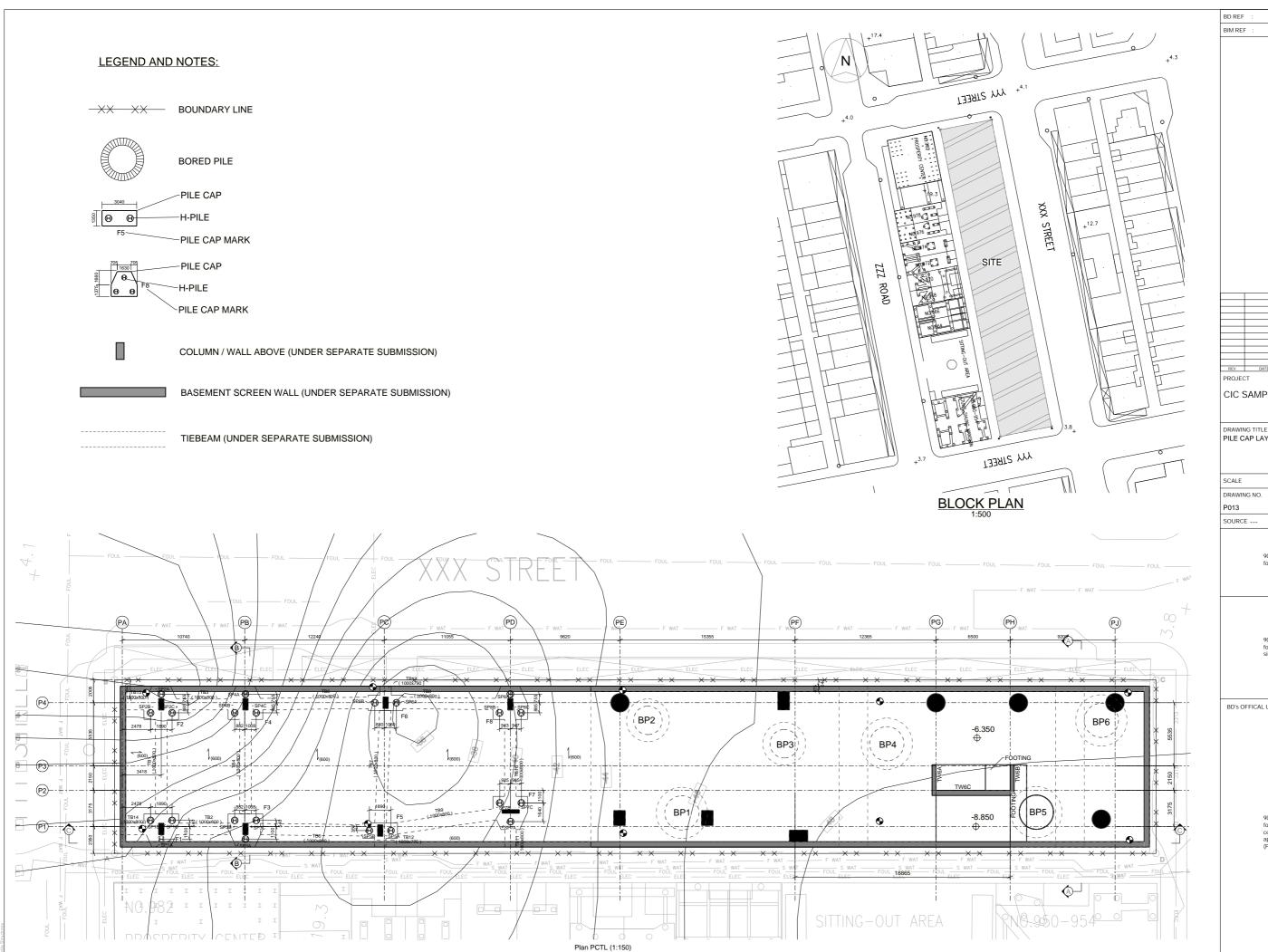
	TIE BEAM R.C. DETAILS SCHEDULE													
TIE BEAM MARK	BEAM SIZE (D x B)	LENGTH (m)	PILE CAP (P1)	TOP LEVEL (Lv1)	PILE CAP (P2)	TOP LEVEL (Lv2)	T1	T2	STEEL BAR B1	B2	SB	Link	SECTION REFERENCE	ELEVATION
TB1	1000 x 800	10.935	F1	-6350	F2	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB2	1000 x 800	7.385	F1	-6350	F3	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB3	1000 x 800	7.400	F2	-6350	F4	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB4	1000 x 800	10.936	F3	-6350	F4	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB5	1000 x 800	12.293	F4	-6350	F6	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB6	1000 x 800	11.818	F3	-6350	F5	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB7	1000 x 800	11.220	F5	-6350	F6	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB8	1000 x 800	10.941	F6	-6350	F8	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB9	1000 x 800	11.530	F5	-6350	F7	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB10	1000 x 800	9.451	F7	-6350	F8	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB11	1000 x 800	3.075	BW4	-6350	F7	-6350	10T32		10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB12	1000 x 800	1.450	BW3	-6350	F5	-6350	10T32		10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB13	1000 x 800	1.455	BW9	-6350	F6	-6350	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB14	1000 x 800	3.595	BW13	-6350	F1	-6350	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB15	1000 x 800	3.595	BW12	-6350	F2	-6350	10T32	-	10T32	-	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E2
TB16	1000 x 800	7.065	F8	-6350	PC1	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1
TB17	1000 x 800	7.045	F7	-6350	PC1	-6350	10T40	6T40	10T40	6T40	5T12 E.F.	T12-150 T.S.	SECTION S1	ELEVATION E1





SECTION S1

BIM REF		
	:	
REV PROJEC		AMENDMENT
CIC S	SAMPLE F	PROJECT
DRAWIN		
		& SCHEDULE
SCALE		
DRAWIN	C NO	REV. NO.
	G NO.	KEV. NO.
PU12		
P012	:	
P012 SOURCE	E	
	:	
	90mm (\	W) x 40mm (H) space
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (\	W) x 40mm (H) space IPANY LOGO
	90mm (for COM	IPANY LOGO
	90mm (i for CON 90mm (i for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	90mm (i for CON 90mm (i for AP/F	IPANY LOGO W) x 60mm (H) space
	90mm (i for CON 90mm (i for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
	90mm (i for CON 90mm (i for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (i for CON 90mm (i for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
SOURCE	90mm (for COM 90mm () for AP/F signatur FFICAL USE	<pre>//PANY LOGO // x 60mm (H) space // SE/RGE's e/ and stamp chop // x 150mm (H) space</pre>
SOURCE	90mm (for COM 90mm () for AP/F signatur FFICAL USE	<pre>//PANY LOGO /// x 60mm (H) space XSE/RGE's e/ and stamp chop // x 150mm (H) space approval stamp / iton of copies of</pre>
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	<pre>//PANY LOGO /// x 60mm (H) space /// SE//RGE's // and stamp chop // x 150mm (H) space approval stamp / iton of copies of</pre>
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans
SOURCE	90mm (for COM 90mm (for AP/F signatur FFICAL USE	W) x 60mm (H) space (SE/RGE's e/ and stamp chop W) x 150mm (H) space approval stamp / lion of copies of d plans



BD REF		
BIM RE		
- Sun IL		
REV	DATE	AMENDMENT
PROJE		
CIC	SAMPLE F	PROJECT
PILE	AP LAYOUT	PLAN
SCALE		
DRAWI	NG NO.	REV. NO.
DRAWI P013		REV. NO.
DRAWI		REV. NO.
DRAWI P013		REV. NO.
DRAWI P013	E	
DRAWI P013	E 90mm (V	REV. NO. M) x 40mm (H) space IPANY LOGO
DRAWI P013	E 90mm (V	W) x 40mm (H) space
DRAWI P013	E 90mm (V	W) x 40mm (H) space
DRAWI P013	E 90mm (V	W) x 40mm (H) space
DRAWI P013	E 90mm (V	W) x 40mm (H) space
DRAWI P013	E 90mm (V	W) x 40mm (H) space
DRAWI P013	E 90mm (v for COM 90mm (v	V) x 40mm (H) space IPANY LOGO V) x 60mm (H) space
DRAWI P013	90mm (v for COM 90mm (v	W) x 40mm (H) space PANY LOGO
DRAWI P013	90mm (v for COM 90mm (v	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWI P013	90mm (v for COM 90mm (v	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWI P013	90mm (v for COM 90mm (v	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space SE/RGE's
DRAWII P013 SOURC	E 90mm (v for COM 90mm (v for AP/R signature	V) x 40mm (H) space PANY LOGO V) x 60mm (H) space (SE/RGE's e/ and stamp chop
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signatur	V) x 40mm (H) space IPANY LOGO V) x 60mm (H) space SE/RGE's e/ and stamp chop V) x 150mm (H) space approval stamp / ion of copies of
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature FFICAL USE	V) x 40mm (H) space IPANY LOGO V) x 60mm (H) space SE/RGE's e/ and stamp chop V) x 150mm (H) space approval stamp / ion of copies of d plans
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature FFICAL USE	V) x 40mm (H) space IPANY LOGO V) x 60mm (H) space SE/RGE's e/ and stamp chop V) x 150mm (H) space approval stamp / ion of copies of
DRAWII P013 SOURC	90mm (v for COM 90mm (v for AP/R signature FFICAL USE	V) x 40mm (H) space IPANY LOGO V) x 60mm (H) space SE/RGE's e/ and stamp chop V) x 150mm (H) space approval stamp / ion of copies of d plans

GENERAL NOTES ON PILE CAP

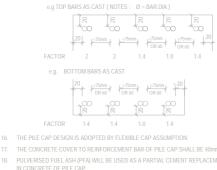
- ALL DESIGN SHALL COMPLY WITH HONG KONG BUILDING (CONSTRUCTION) REGULATIONS AND THE CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013, CODE OF PRACTICE FOR FOUNDATIONS
- ALL DIMENSIONS ARE IN mm AND ALL LEVEL ARE IN METERS ABOVE PRINCIPAL DATUM UNLESS OTHERWISE STATED.
- 75mm THICK BLINDING LAYER OF GRADE 10/20 CONCRETE SHALL BE LAID UNDERNEATH ALL PILE CAP
- ALL REINFORCEMENT SHALL COMPLY WITH BS4449:1997 AND CONSTRUCTION STANDARD, CS2, 1995 'T INDICATES HIGH TENSILE STEEL, WITH MINIMUM TENSILE STRESS EQUAL TO 500 MPa.
- CONCRETE FOR ALL PILE CAP SHALL COMPLY WITH CS1:2010 (EXCEPT SECTION 7.1) THE CONCRETE DESIGN MIX SHALL BE GRADE 45D/20 AND MINIMUM CONCRETE COVER SHALL BE 40mm.
- IE REACTIVE ALKALL OF CONCRETE EXPRESSED AS THE EQUIVALENT SODIUM OXI R CUBIC METER OF OF CONCRETE SHALL NOT EXCEED 3.0kg WHEN DETERMINED ACCORDANCE WITH THE SPECIFIED ITEM GIVEN IN APPENDIX A OF PNAP APP-74.
- NY ADDITIVE OR ADMIXTURE SHALL COMPLY WITH BS5075 AND SHALL NOT BE SED WITHOUT PRIOR AGREEMENT OF THE ENGINEER.
- SAMPLES OF ALL MATERIALS USE OF HALL BE TESTED & TEST RESULTS SHALL BE SUMITTED TO THE ENGINEER FOR APPROVAL ALL WORKS, MATERIALS AND TESTING SUCH AS TESTING OF SITEL BAR ACONCRETE CUBES SHALL COMPLY WITH GENERAL SPECIFICATION OF CIVIL ENGINEERING WORKS 1992 EDITION AND HONG KONG BUILDING (CONSTRUCTION) REGULATION UNLESS OTHERWISE STATED IN THE DRAWING.
- DETAILS SETTING OUT OF THE BUILDING SHALL REFER TO BUILDING PLANS. THE CONTRACTOR SHALL CHECK ALL RELEVANT DRAWINGS AND VERIFY LEVELS AND DIMENSIONS IN ADVANCE OF THE WORK AND REPORT ANY DISCREPANCY TO THE ARCHITECT/ENGINEER IMMEDIATELY.
- THE WIND LOAD OF BUILDING IS BASED ON CODE OF PRACTICE ON WIND
- ELETECTS (OWN KNING ADM. ALL STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTS AND SERVICES ENGINEERS DRAWINGS THE CONTRACTOR SHALL CHECK ALL DRAWINGS AND VERITY LEVELS AND DIMENSIONS IN ADVANCE OF THE WORK AND FOR REFERENCE ONLY. REFERENCE ONLY
- HIGH TENSIE STEEL BARS (DENOTED BY T) SHALL BE HOT ROLLED TYPE 2 DEFORMED BAR OF GRADE 500 TO CS2-2012, MILD STEEL BARS (DENOTED BY R) SHALL BE PLAIN ROUND GRADE 250 TO CS2-2012, ALL REINFORCEMENT TO BE CUT AND BENT IN ACCORDANCE WITH B54466.
- ALLOW SUFFICIENT STEEL CHAIRS TO SUPPORT TOP REINFORCEMENTS IN PILE CAP AND TIE BEAM TO KEEP VERTICAL WALL REINFORCEMENTS IN THEIR CORRECT ALIGNMENTS
- UNLESS NOTED OTHER VERTICAL WHER REIN ORCENTS IN THE CORRECT AUDMINENT UNLESS NOTED OTHERWISE, MINIMUM LAP LENGTHS AND MINIMUM ANCHORAGE LENGTHS OF BEAM BARS AND COLUMN BARS SHALL COMPLY WITH CODE OF PRACTICE FOR STRUCTURAL USE OF CONCRETE 2013 OR BE AS FOLLOW, WHICHEVER IS THE GREATER.

HIGH YIELD	DESIGNED MIX (CONC GRADE)
BAR DIA.	45D
10	
12	
16	
20	
32	960
40	

	H YIELD	DESIGNED MIX (CONC GRADE)	
	R DIA. mm.)	45D	
10	(1.4 L.L.)	420	
			1
12	(1.4 L.L.)		
			1
		480	
16	(1.4 L.L.)		
		960	
	(1.4 L.L.)	840	
	(L.L.)		
25	(1.4 L.L.)	1050	
		1500	
	(L.L.)	960	
32	(1.4 L.L.)	1350	
	(2.0 L.L.)		
	(L.L.)	1200	
40	(1.4 L.L.)	1680	
	(2.0 L.L.)		

TENSION LAP LENGTH (T.L.) NORMALLY EQUAL TO LAP LENGTH (L.L.) LAP LENGTH FOR UNEQUAL SIZE BARS JULY BE BASED UPON THE SM. (2.0 L.L.) APPEARS ON TOP MOST LAYERS OF STEEL BARS ONLY.

- (a) WHERE A LAP OCCURS AT THE TOP OF A SECTION AS CAST AND THE MINIMUM COVER IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMENT, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 1.4.
- WHERE A LAP OCCUPES AT THE CORNER OF A SECTION AND THE MINMUM COVER TO EITHER FACE IS LESS THAN TWICE THE SIZE OF THE LAPPED REINFORCEMEN OR, WHERE THE CLEAR DISTANCE BETWEEN ADJACENT LAPS IS LESS THAN 75m OR SIX TIMES THE SIZE OF THE LAPPED REINFORCEMENT. WHICHEVER IS THE GREATER, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 1.4.
- (c) IN CASE WHERE BOTH CONDITIONS (a) & (b) APPLY, THE LAP LENGTH SHOULD BE INCREASED BY A FACTOR OF 2.0.



- (a) PFA AS A SEPARATE CONSTITUENT MAY BE USED ONLY WITH OPC AND SHOULD COMPLY WITH BS3892 : PART I : 1982, EXCEPT THAT THE CRITERION FOR MAXIMUM WATER REQUIREMENT MAY NOT APPLY;
- (b) BLENDED CEMENT CONTAINING PFA SHOULD COMPLY WITH BS6588:1985 AND HAVE A NOMINAL PEA CONTENT NOT EXCEEDING 25%
- (c) THE PFA CONTENT SHOULD NOT EXCEED 25% BY MASS OF THE CEMENTITIOUS CONTENT (OPC PLUS PFA) OF THE CONCRETE.

NOTES ON PROTECTION OF EARTHWORKS AGAINST HEAVY RAINFALL

- SURFACE WALLEN FLOWING INTO AND OUT OF THE SITE SHALL IS INTERCEPTED ADD CONDUCTED FORM THE SITE TO A SAFE VISCHARGE POINT AT EACH INTERSECTION AND ABRUPT CHANGE (DIRECTION OF SURFACE CHANNEL, ACCESSIBLE CATCHPIT HALL BE PROVIDED ALL DRAINAGE WORKS SHALL BE KEPT LEAR OF DEBRIS.
- TOR REFERENCE ONLY
- VHERE TEMPORARY BARE EARTH SLOPE FACES ARE UNAVOIDA IEVE THE USE OF THE ACCENT OF THE OFFICE OFF

NOTES ON COMPACTED BACKFILL (FOR INFORMATION ONLY)

- FILL MATERIAL SHALL BE GRADED, CONTAINING NO PARTICLES COARSER THAN 200mm AND THE PERCENTAGE BY MASS PASSINI
- FILL MATERIAL SHALL BE PLACED IN LAYERS OF NOT MORE THAN 300mm THICK, AND EACH LAYER SHALL BE COMPACTED TO NOT LESS THAN 95% MAXIMUM DRY DENSITY.
- LL MATERIALS SHALL BE AT OPTIMUM MOISTURE CONTENT DURING MPACTION THE TOLERANCE ON THE OPTIMUM MOISTURE CONTEN RCENTAGE SHALL BE 3%, PROVIDED THAT THE FILL MATERIAL IS "LL CARABLE OF BEING COMPACTED IN ACCORDANCE WITH
- COMPACTION OF THE SOFT FILL SHALL BE PERFORMED IN CCORDANCE WITH THE REQUIREMENT STIPULATED IN CLAUSE 6.46 6.48 OF GENERAL SPECIFICATION FOR JULE ENGINEERING WORKS, PNAP APP-8 AND PNAP APP-64.
- THFOR REFERENCE ONLY AVE IS
- , THE LIQUID LIMIT SHALL NOT IALL NOT EXCEED 20%.
- THE INFORMULE OF TRANSPORT PAIL OF THING TRANSPORT COUNTE BE DETERMINED IN ACCORDANCE WITH GEOREPORT NO 34 NO 4.3.3 EACH SOIL TYPE SHALL BE TESTED WHEN FIRST USE THEREAFTER AT THE SAME THE AS EVERY SET OF FILL DET RECORDS SHALL SHOW CLEARLY SOIL TYPE, TEST LOCATION ELEVATION IN MOP FOR EACH TEST TOGETHEEW WITH THE MAX DENSITY AND OPTIMUM MOISTURE CONTENT RESULTS.
- THE INSITU FIELD DENSITY AND MOISTURE CONTENT SHALL BE DETERMINED IN ACCORDANCE WITH GEO REPORT NO 36 TEST NO AND PNAP APP-8.
- ONLY LABORATORIES ACCREDITED UNDER HOKLAS FOR THE REL

300 THK. HANGER WALL

CONNECTING

T16-125

T10-200

- T12-100

PILE CAP

300 THK.

HANGER WALL

CONNECTING

PILE CAP

+1<u>36</u>.

APPROX. 200

T16-125

T10-200

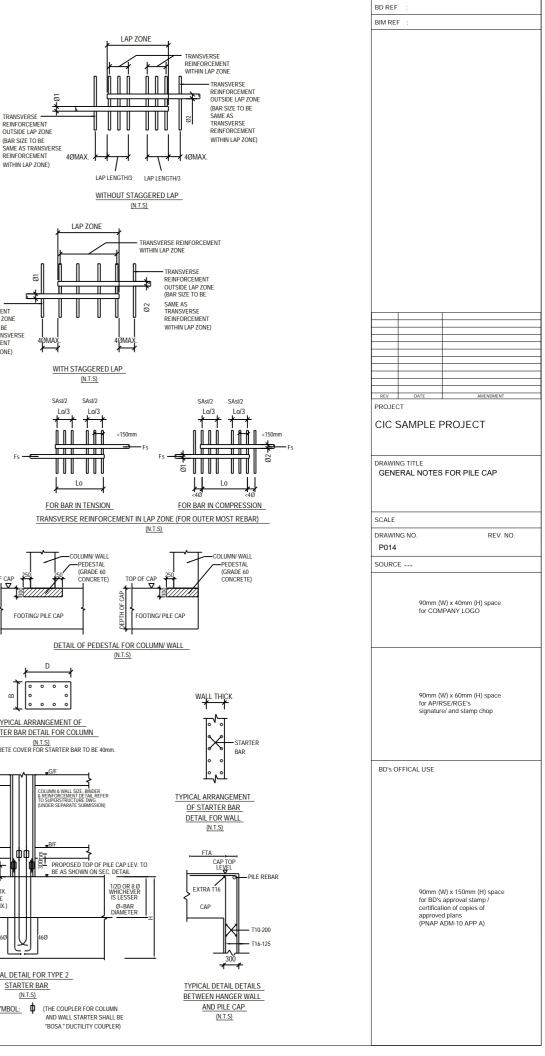
T10-175

TYPICAL DETAILS OF LIFT PIT SLAB (800)

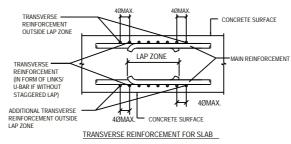
DETAILS OF MINIMUM TRANSVERSE REINFORCEMENT IN LAP ZONE

TALBE : TRANSVERSE REINFORCEMENT

MAIN REINFORCEMENT	TRANSVERSE REINFORCEMENT REQUIRED WITHIN LAP ZONE						
AT LAP (THE SMALLER OF Ø1 OR Ø2)		(WITHOUT STAGGERED LAP)					
01 Ø1 0K Ø2)	(WITH STAGGERED LAP)	1.0TL	1.4TL	2.0TL			
< 20	NO EXTRA REQUIREMENT						
20	4T10	2x3T10-100	2x3T10-125	2x4T10-125			
20	3T12	2X3110-100	2X3110-123	284110-125			
25	7T10	2x3T12-125	2x4T10-100	2x5T10-125			
23	5T12	283112-123	284110-100	283110-123			
32	11T10	2x4T12-150	2x5T12-125	2x6T12-150			
32	8T12	284112-130	283112-123	2x0112-130			
40	16T10	2x6T12-100	2x6T12-125	2,7712.150			
40	12T12	2x0112-100	2X0112-125	2x7T12-150			
50	25T10	2x5T16-125	2x5T16-150	3-0T13 300			
UC	18T12	2X3110-125	2X3110-150	2x9T12-200			



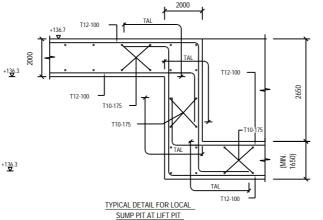




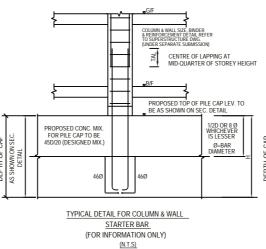


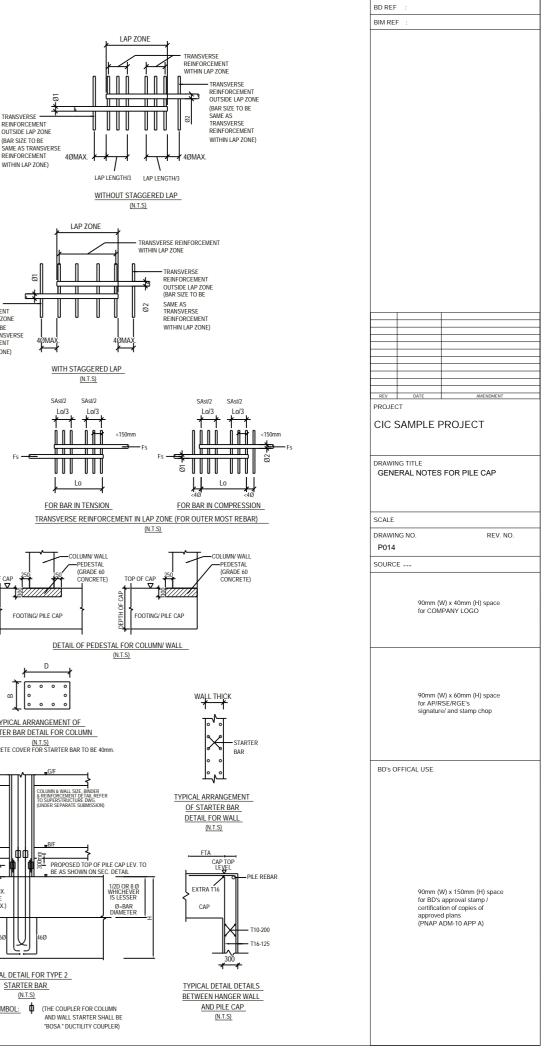
NOTES :

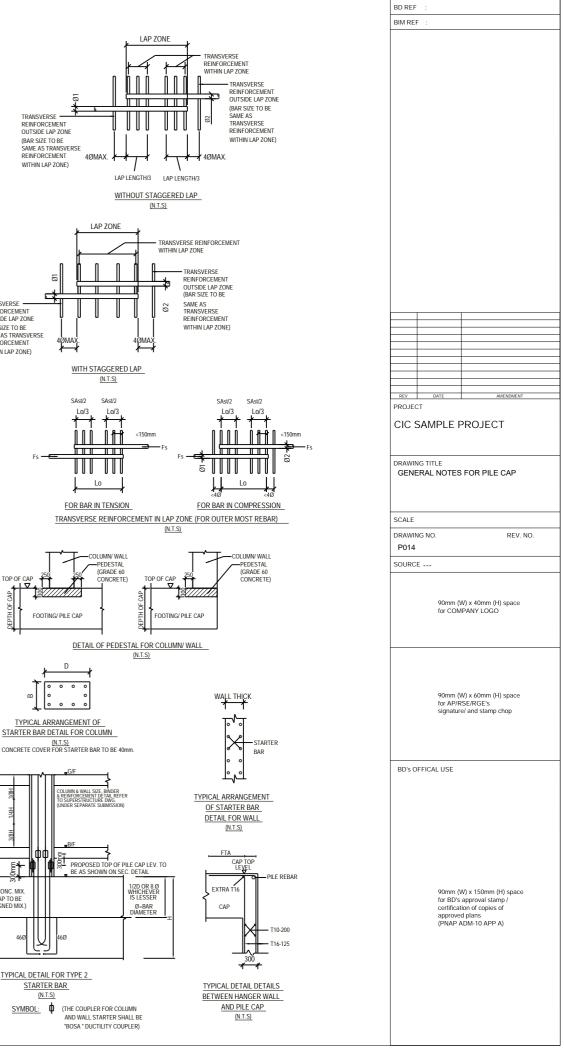
- 1. Ø IS THE SMALLER OF Ø1 AND Ø2
- TRANSVERSE REINFORCEMENT SHOULD BE PLACE PERPENEDICULAR TO 2 THE DIRECTION OF THE LAPPED REINFORCEMENT AND BETWEEN THAT AND THE SURFACE OF THE CONCRETE
- TRANSVERSE REINFORCEMENT SHALL INCLUDE HORIZONTAL BARS BARS OF WALL, BINDERS OF COLUMN OR SHEAR LINKS OF BEAM

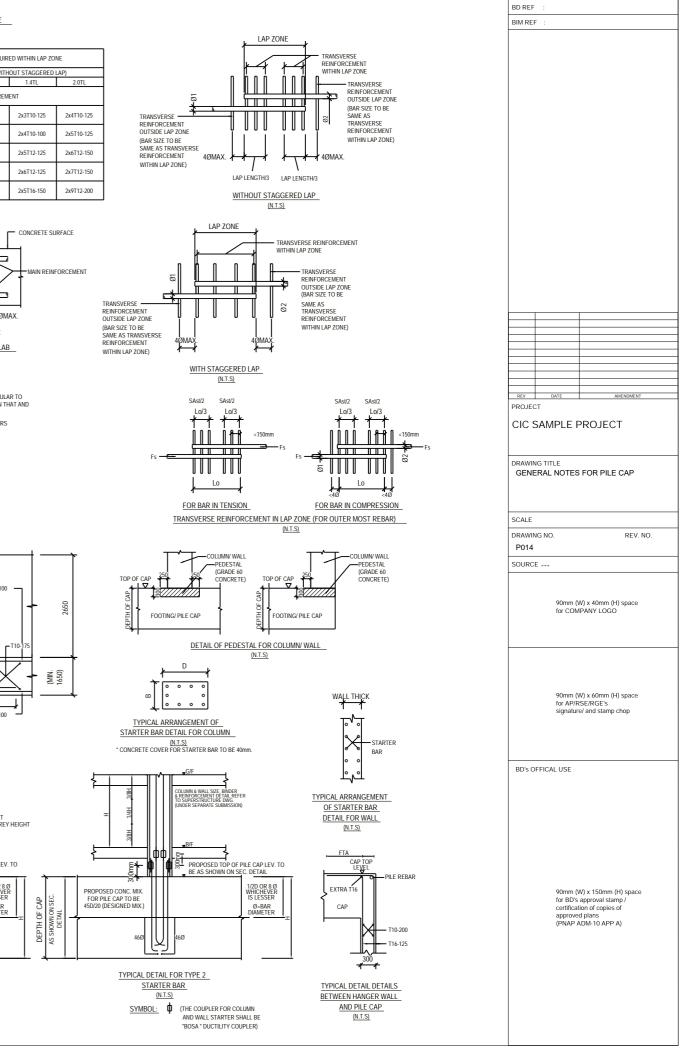


(N.T.S)

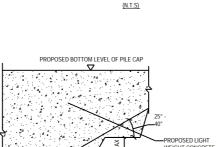


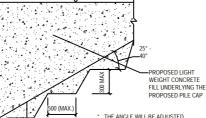












DETAILS OF BENCHING UNDERLYING THE PILE CAP

<u>(N.T.S)</u>

EXCAVATION LINE

MASS FILL WORKS

BENCHES TO BE CUT IMMEDIATELY PRIOR TO CARRY OUT LIGHT WEIGHT

TO SUIT STEEPER CUTTING AS NECESSARY

METHOD STATEMENT FOR DEMOLITION WORK:

1. DEMOLITION WORKS SHALL COMPLY WITH BUILDING (DEMOLITION WORKS) REGULATIONS, BS6187.82, CONTRUCTION STE (SAFETY) REGULATIONS, THE GUIDELINES AND REQUIREMENTS SET OUT IN PNAP71 AND CODE OF PRACTICE FOR DEMOLITION OF BUILDINGS 2004.

ALL STRUCTURES TO BE DEMOLISHED BY ORDINARY HAND-HELD TOOLS. WERED MECHANICAL PLANTS MAY BE EMPLOYED AND RESTED AT SOLID GROUND TO HELP REMOVAL O

IOLITION SHALL BEGIN ON THE ROOF AND PROCEED DOWN FLOOR BY FLOOR TO THE GROUND FLOO FTE OF EACH STRUCTURAL ELEMENT SHALL BE BROKEN DOWN GRADUALLY. THE MENT SHALL BE LEFT IN FLACE UNTIL THE CONCRETE IS BROKEN AWAY AND WHEN ITS SUPPORT

TION OF EACH STRUCTURAL ELEMENT SHALL BE PERFORMED ACCORDING TO THE DETAIL ITION WORKS, THE PROPPING UNDERNEATH CANTILEVER BEAMS IF ANY SHALL BE 1.6 BEFORE INSTALLED.

1.7 BEFORE D ION WORKS, ALL UNAUTHORIZED STRUCTURES SHALL BE REMOVED

1.8 THE CONTRACTOR SHOULD VERIFY THE STRUCTURE WITH THE LATEST STRUCTURE APROVED PLAN INCLUDING AND WORKS BEFORE COMMENCEMENT OF THE DEWILTION WORKS, WHERE CONDITIONS ON SITE REVEALED STRUATION AND ARRANGEMENT DIFFERENT FROM THE AVAILABLE INFORMATION, OR HAVING WY FORTINIL INSTALLITY. THE CONTRACTORS SHOLD SEEN OPINION AND ADVICE FROM APROVE BEFORE BEFORE SHOLD STRUCTURE CONTRACTORS SHOLD SEEN OPINION AND ADVICE FROM APROVE BEFORE DEVICE THE ADVICE FROM APROVED AND ADVICE AND ADVICE STRUCTURE FROM APROVED ADVICE FROM APROVED BEFORE ADVICED ADVICE FROM APROVED ADVICE ADVICED ADVICE ADVICED ADVICE ADVICED ADVICE ADVI 1.9 GROUND FLOOR SLAB FOR REFERENCE ONLY

1.10 ALL SCAFFOLDING WORKS SHOULD STRICTLY FOLLOW THE GUIDANCE NOTES OF CODE OF PRACTICE OR BAMBOO SCAFFOLDING SAFETY AND GUIDANCE NOTES TO RENOVATION SAFETY ISSUED BY LABOUR PPARTMENT 2. DEMOLITION SEQUENCE (TOP DOWN - BY MANUAL METHOD)

2.1 DEMOLITION SEQUENCE SHALL BE DETERMINED ACCORDING TO THE ACTUAL RESTRAINTS, ORIGINAL BUILDING LAYOUT AND ITS CONSTRUCTION. IN GENERAL, TH SHALL APPLY. (i) ALL CANTILEVERED STRUCTURE CANOPIES, AND VERANDAHS SHALL FIRST BE DE DEMOLITION OF MAIN BUILDING AND ITS INTERNAL STRUCTURES ON EACH FLOOR;

(ii) THE STRUCTURAL ELEMENTS, IN GENERAL, SHALL BE DEMOLISHED IN THE FOLLO - SLAB - SECONDARY BEAMS, THEN - INTERNAL PRIMARY BEAMS

(iii) ALL DEMOLITION WORKS TO BE CARRIED OUT FLOOR BY FLOOR. (iv) THE PERIPHERAL ELEMENT OF THE BUILDING SHALL BE DEMOLISHED IN ACCORDANCE WI DEMOLITION SEQUENCE OF PERIPHERAL ELEMENTS.

(v) THE INTERNAL ELEMENT, INCLUDING BEAMS AND COLUMNS SHALL BE DEMOLISHED BY GRADU BREAKING DOWN THE CONCRETE OR BY PULLING THEM DOWN IN A CONTROLLED MANNER. (vi) THE ABOVE PROCEDURES SHALL BE REPEATED (IF NECESSARY) FOR DEMOLITION DOWN TO TH FLOOR AT GROUND LEVEL. PRIOR TO COMMENCEMENT OF THE DEMOLITION WORK AN ASBESTOS INVESTIGATION SURVEY SHA CARRIED OUT BY A SPECIALIST ASBESTOS CONSULTANT FIRM TO DETERMINE ANY ASBESTOS BASED PRODUCTS WHICH MAY EXIST.

DEMOLITION SEQUENCE:

PRIOR TO THE DEMOLITION WORKS, THE HOARDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ARDING PLANS UNDER SEPARATE SUBMISSION. 4 REMOVE ALL UBW STRUCTURES. a. PARAPETS b. EXTERIOR WALLS LINKING THE CANTILEVERED STRUCTURE AT ROOF FLOOR: ABS OR CANOPY AT ROOF FLOOR; d. REMAINING SLAB AT ROOF FLOOR; e. NON-LOAD BEARING WHE FLOOR: 1. SECONDARY BEARING WHE FLOOR: g. MAIN BEAMS AT ROOF FLOOR; e. NON-LOAD BEARING WALLS BETWEEN THE FLOOR AND THE FLOOR BELOW;

g. MAIN BEAMS;

DEMOLITION SEQUENCE OF UBW STRUCTURES:

THE DEMOLITION OF UBW STRUCTURES SHALL BE CARRIED OUT BY HAND HELD b. REMOVE THE STEEL BEFOR REFERENCE ONLY THE STEEL BEAMS SHALL BE SAFETY THE DEFORE CUTTING c. REMOVE THE RC WALL IN HORIZONTAL STRIP OF NOT MORE THAN 500mm HEIGHT FROM TOP TO BOTTOM.

DEMOLITION OF CANTILEVER STRUCTURE:

1. PROPPINGS SHALL BE INSTALLED FOR ALL CANTILEVERED STRUCTURES PRIOR TO COMI DEMOLITION WORKS. 2. NO STRUCTURAL MEMBER WITHIN THE BUILDING ON ABOVE THAT FLOOR CAN BE DEMOLISHED PRIOR TO THE DEMOLITION OF THE CANTIL FUR STRUCTURE AT THAT FLOOR 3. THE EXTERIOR WALL CFOR REFERENCE ONLY I THE CANTILEVER SLAB.

ANY STRUCTURE OR DEAD LOAD SUPPORTED BY THE CANTILEVERED SYSTEM SHALL BE REMOVED TO DEMOLISHING THE CANTILEVER SLAB.

DEMOLITION OF BRICK IN-FILL WALL:

TO AVOID ANY POTENTIAL HAZARD OF BRICKS FALLING OUT OF THE BUILDING, ALL THE BRICK IN-FILL SHALL BE REINUVED BY PUSHING MVARD, BEFORE DISMATILING THE REINVORCES CONCRETE FRAMMIG. WORKING FLATFORMS OUTSIDE THE BLIDDING HALL BE USED TO LEBMOVAL OF THE BRICK IN-FILL WALLS. BRICK REMOVAL SHALL BEEN FROM THE TOP LAYER DOWNARDS. THE WORKS SHALL BE CARRIED OUT

PRECAUTIONARY MEASURES:

HOARDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HOARDING PLANS UNDER SEPARATE MISSION. 2. TEMPORARY SUPPORT STEEL PROPPING SHALL HAVE A WORKING CAPACITY OF 25kN PER PROP. THE PROPS SHALL BE BRACED LATERAL RESTRAINTS IN AT LEAST TWO DIRECTIONS.

ALL EXISTING UTILITIES SHALL BE TERMINATED. SEWER SERVICE AND DRAINAGE CONNECTIONS SHALL BE PROPERLY DISCONNECTED AND SEALED OFF AT LAST MARNOLE. CONTRACTOR SHALL ASSIST THE CLIENT TO COORDINATE WITH UTILITY COMPANIES FOR ALL SERVICE TERMINATION. 4. NOTIFICATION TO APIRSE FOR ANOMALIES OR IRREGULARITES OBSERVED

1 THE FRAMING PLANS ARE REFORMED WINNED WINN WHERE CONDITIONS ON SITE REVEALED SITUATION AND ARRANGEMENT DIFFER IAVING ANY POTENTIAL HAZARDS. THE IAVING ANY POTENTIAL HAZARDS. THE

2 THE CONTRACTOR SHOULD EXAMINE AND DENTIFY FOR THEMSELVES OF THE NATING OR TAIL-LOADIN F ANY CANTLEVER CONSTRUCTION SUCH AS BALCONIES, HEAVY CORNICES OF TAIRCASES, I LUNCERT PRESE ADVICE SHOULD BE SOUGHT, GENERALLY, ALL CANTLEVER CONSTRUCTION SHOULD BE PROPPED NOR TO THE ACTUAL DEMOLTION. 4.3 THE CONTRACTOR SHOULD NOTIFY THE AP/RSE DURING THE COURSE OF DEMOLITION WOR FOLLOWING DEFECTS, IF ANY

(i) STRUCTURAL DEFORMATION; (ii) CRACK; AND (iii) CORROSION OF REINFORCEMENT

ANY EXISTING FURNITURE, WOOD FLOORS, DOOR FRAMES, WINDOWS, PIPING SHALL BE SO MOVED SEPARATELY.

S ACCUMULATION ON THE COCKLOFT OR FIRST FLOOR OR ABOVE SHALL NOT BE HI

O DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE CANTILEVER STRUCTU

6. SPECIAL SITE SAFETY

THE EXISTII MAINTAINEI ALL TIME, S G STAIRCASE SHALL BE USED AS EMERGENCY ROUTE. THE EMERGENCY ROUTE SHALL BE THROUGHOUT THE DEMOLITION PROCESS, THE ROUTE SHALL BE CLEARED OF OBSTRUCTION AT SNS OR MARKINGS SHALL BE INSTALLED TO CLEARLY IDENTIFY THE ROUTE.

IALL BE APPLIED TO SUPPRESS THE DUST GENERATED DURING THE D S HAULING.

(i) SUPER SILENCED TYPE AIR COMPRESSOR SHALL BE USED. DEMOLITION WORKS SHALL NOT BE PERFORMED WITHIN THE RESTRICTED HOURS FROM 1900 HRS TO 0700 HRS ON ALL DAY AND FROM 0700 HRS TO 1900 HRS ON GENERAL HOLDAYS INCLUDING SUNDAY. OR AS PER FPR'S REPOILIREMENT

SO THROUGH A TRAINING PROGRAM TO UNDERSTAND THE PROJECT AND SITE TRAINING PROGRAM SHALL BE CONDUCTED BY A COMPETENT TRAINER. THE ICLUDE THE FOLLOWING:

() AN INDUCTION TRAINING COURSE AT THE BEGINNING OF THE JOB TO CIRCULATE INFORMATION ON THE PROPOSED METHOD AND REQUIRED SAFETY MEASURES TO PERFORM THE WORK. MAINTAIN AND REINFORCE THE SAFETY CONCEPT

(ii) DAILY SAFETY MEETIN 6.6 TYPHOON

IN THE CASE WHEN TYPHOON SIGNAL NO. 3 IS HOISTED, THE CONTRACTOR SHALL INSPECT ALL EXTERNALLY EXPOSED TEMPORARY WORK AND STRENGTHEN ANY LOOSE CONNECTIONS, AFTER THE TYPHOON, ALL EXTERNALLY EXPOSED TEMPORARY WORKS SHALL BE INSPECTED AND CONFIRMED TO BE SAFE BY THE

7.1 THE DEMOLITION WORKS SHALL BE SUPERVISED BY AUTHORIZED PERSON, REGIST ENGINEER, REGISTERED SPECIALIST CONTRACTOR AND THEIR TECHNICALLY COMPET ACCORDANCE WITH THE SITE SAFETY SUPERVISION PLAN LODGED WITH BUILDING AJU 7.2 ALL THE PRECAUTIONARY MEASURES AND TEMPORARY SUPPORTS SHALL BE INSPEC CONTRACTOR ON A DAILY BASIS. ANY ACCUMULATION OF BUILDING DEBRIS ON THE CAT PLATFORMS SHALL BE REMOVED. ANY DEFICIENCY SHALL BE REPARED WHEN FOUND N INSPECTION AND REPAIR RECORDS SHALL BE PROVIDED TO THE AP AND RSE. CTED BY THE CH FANS AND CATCH ECESSARY, THE 7.3 BEFORE LEAVING THE JOB SITE EACH DAY, THE CONTRACTOR SHALL IDENTIFY AV CONDITIONS SUCH AS PARTIALLY DEMOLISHED STRUCTURAL ELEMENTS AND DAMAG 7.4 THE BAMBOO SCAFFOLDING SHALL BE INSPECTED AND MAINTAINED IN ACCORDAN PROTICE FOR BAMBOO SAFETY AND THE CONSTRUCTION SITE (SAFETY) REGULATIO CONTRACTOR.

8. EMERGENCY PLAN 8.1 EMERGENCY TELEPHONE NUMBERS SHALL BE CLEARLY DISPLAYED IN A CONSPICUOUS LOCATION. IN THE EVENT OF ANY EMERGENCY OR ACCIDENT, THE CONTRACTOR SHALL NOTIFY THE POLICE AND FIRE SERVICES DEPARTMENTS FOR ASSISTANCE. THE CONTRACTOR SHALL ALSO NOTIFY THE AP AND RSE IMMEDIATELY. 8.2 AT THE INITIAL WARNING OF A TYPHOON OR A MAJOR STORM EVENT, THE FOLLOWING PERFORMED. L BE 8.2.2 ALL FLAMMABLE MATERIALS, OXYGEN AND ACETYLENE BOTTLES SHALL BE REMOVED O SAFE LOCATION. 8.2.3 NO UNSTABLE AND/OR PARTIALLY DEMOLISHED STRUCTURAL ELEMENTS SHALL BE BRAI SECURED. 9.1 UPON COMPLETION OF THE DEMOLITION, THE SITE SHALL BE LEVELLE 9.2 IN THE CASE OF NO IMMEDIATE REDEVELOPMENT, THE SITE BOUNDARY SHALL BE COMPLETE ENCLOSED TO PREVENT PUBLIC ACCESS.

10.1 SITE STAFF RESPONSIBLE FOR SUPERVISION AND CONTROL OF DEMOLITION SHALL BE EXPERTIME DEMOLITION OF BUILDINGS SIMILAR TO THOSE TO BE DEMOLISHED. 10.2 THE CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM SITE SUPERVISION REQUIREME (i) A FULL-TIME SITE ENGINEER WHO SHALL BE REGISTERED PROFESSIONAL ENGINEER, IN THE STRUC CIVIL OR BUILDING DISCIPLINE AND SHALL BE DIRECTLY RESPONSIBLE TO THE CONTRACTOR DURING DEMOLITION OF CANTILEVER STRUCTURES.

(ii) EXPERIENCED FOREMAN WHO SHALL BE FULL-TIME ON SITE. EACH FOREMAN SHALL BE RESPONS SUPERVISE THE DEMOLITION WORKS FOR EACH ZONE OF THE DEMOLITION WORKS. (iii) SITE SUPERVISION REQUIREMENTS AS STIPULATED IN THE LATEST VERSION OF THE DEMO AND BUILDING (DEMOLITION WORKS) REGULATION.

NOTES ON UBW:

1. UBW SHALL BE REMOVED UND FOR REFERENCE ONLY ARSE SUPERVISION UPON ISSUANCE OF THE DEMOLITIC FOR REFERENCE ONLY

NOTES ON DEBRIS MANAGEMENT SYSTEM:

1. DEBRIS MUST BE DISPOSED OF PROMPTLY. A DEBRIS DISPOSAL AND MANAGEMENT SYSTEM SHALL BE PREPARED AND IMPLEMENTED BY THE RSC TO THE SATISFACTION OF AP. RSE. THE DEBRIS DISPOSAL AND MANAGEMENT SYSTEM SHOLD LAY DOWN THE FOLLOWING DETAILS.

 1.1 METHOD OF HANDLING DEMOLISHED BUILDING DEBRIS;
 1.2 THE ROUTING AND NOVEMENT OF DEBRIS FROM EACH FLOOR TO ON GRADE HOLDING AREA PRIOR TO
LEAVING THE SITE; 1.3 MEANS OF TRANSPORTATION FOR REFERENCE ONLY 1.4 TIME AND FREQUENCY OF DEBRIS DISPOSAL OFF SITE;

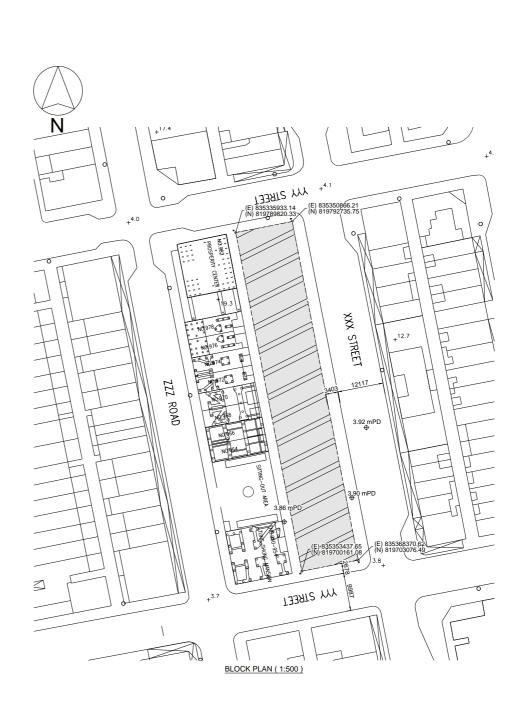
1.5 RECORD SCHEME ON THE TONNAGE OF EACH TRUCK LOAD, TRUCK LICENS TICKETS AND LOCATION OF DUMP SITE; AND DETAILS OF THE DEBRIS DISPOSAL AND MANAGEMENT SYSTEM SHALL BE SUBMITTED TO THE BUILDINGS DEPARTMENT TOGETHER WITH THE SITE SAFETY SUPERVISION PLAN PRIOR TO OR AT THE TIME OF CONSENT APPLICATION

NOTES ON SITE VIDEO CAMERA:

To vieto camera to record the entire demonstrom process small be prim shall be expressioned by process small be prim including the moviement of the **DRR REFERENCE ONLY** with for reference and prever plankows the Coartin vieto and process and plan the video camera records small be kept by the rise for at least to ROVIDED. THE VIDEO CAMER, TIRE DEMOLITION PROCESS TION CAN BE RECORDED REFERS TO DEMOLITION 4 DAYS

NOTES ON BEAM PLUS:

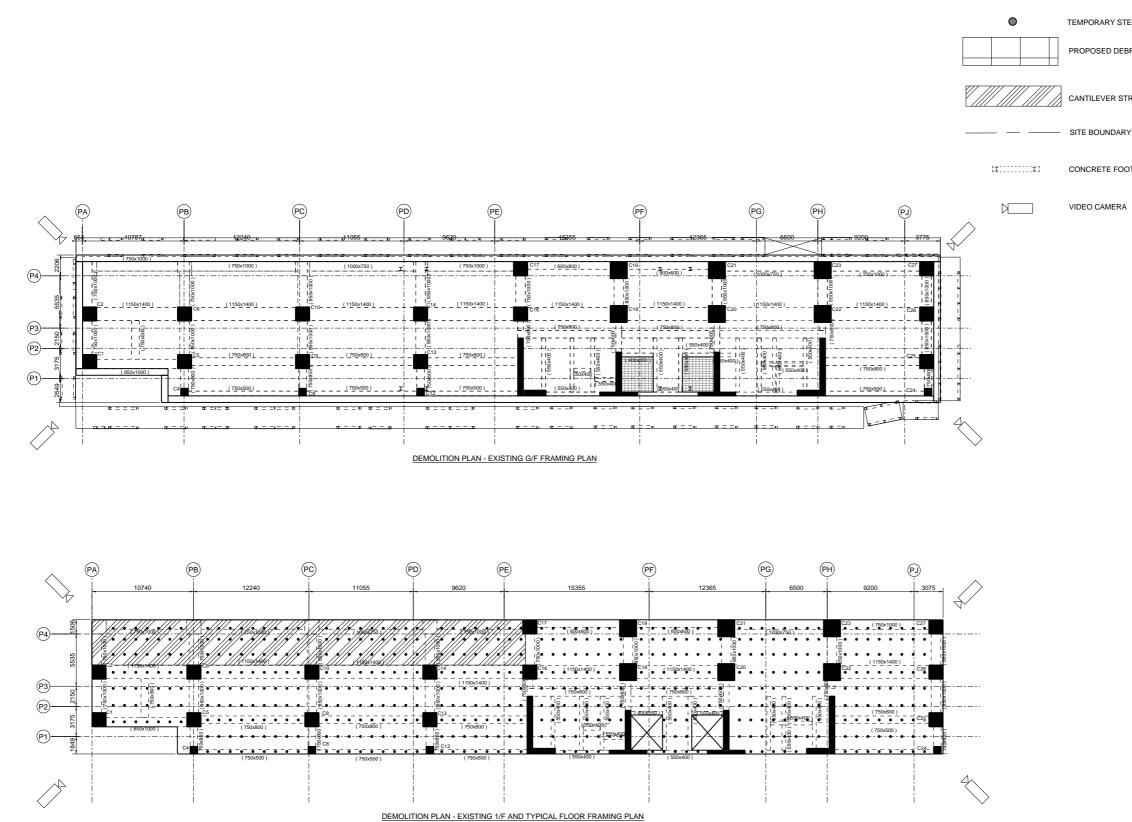
1. DEMOLITION WORKS AND REFOR REFERENCE ONLY COMPLY WITH THE BUILDING



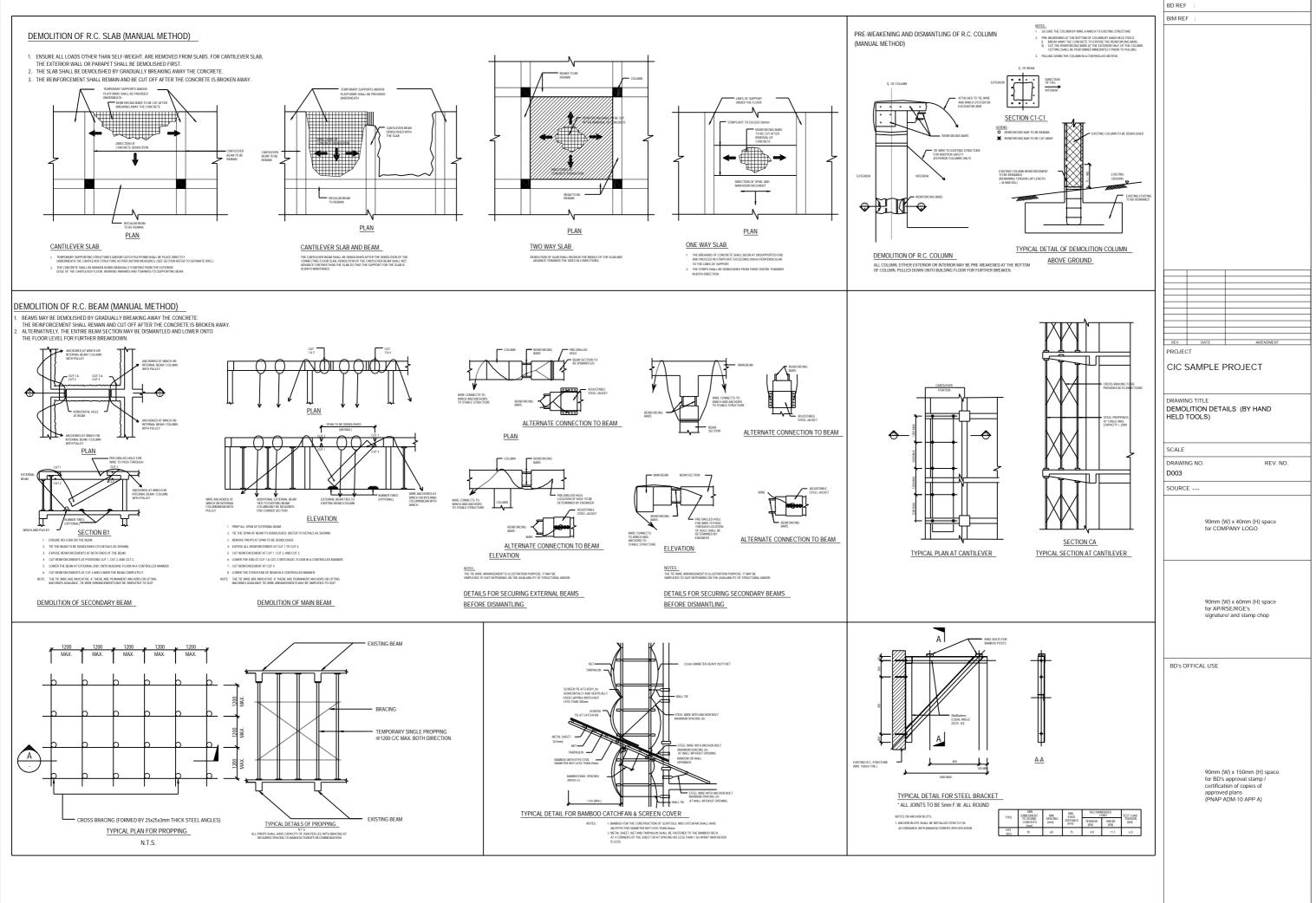
BIM REF	:						
	BIM REF :						
REV	DATE	AMENDMENT					
PROJEC							
		PROJECT					
		ROJEOT					
DRAWIN							
OFNER	RAL NOTES	FOR DEMOLITION					
GENER							
GENER							
GENER							
SCALE							
	G NO.	REV. NO.					
SCALE	G NO.						
SCALE							
SCALE DRAWIN D001							
SCALE DRAWIN D001							
SCALE DRAWIN D001	 90mm (1	REV. NO.					
SCALE DRAWIN D001	 90mm (1	REV. NO.					
SCALE DRAWIN D001	 90mm (1	REV. NO.					
SCALE DRAWIN D001	 90mm (1	REV. NO.					
SCALE DRAWIN D001	 90mm (1	REV. NO.					
SCALE DRAWIN D001	 90mm (1	REV. NO.					
SCALE DRAWIN D001	90mm (for COM	REV. NO. W) x 40mm (H) space IPANY LOGO					
SCALE DRAWIN D001	90mm (for CON 90mm (for AP/F	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001	90mm (for CON 90mm (for AP/F	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space					
SCALE DRAWIN D001	90mm (for CON 90mm (for AP/F	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001	90mm (for CON 90mm (for AP/F	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001	90mm (for CON 90mm (for AP/F	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					
SCALE DRAWIN D001 SOURCE	90mm (for CON 90mm (for AP/F signatur	REV. NO. W) x 40mm (H) space IPANY LOGO W) x 60mm (H) space SE/RGE's					

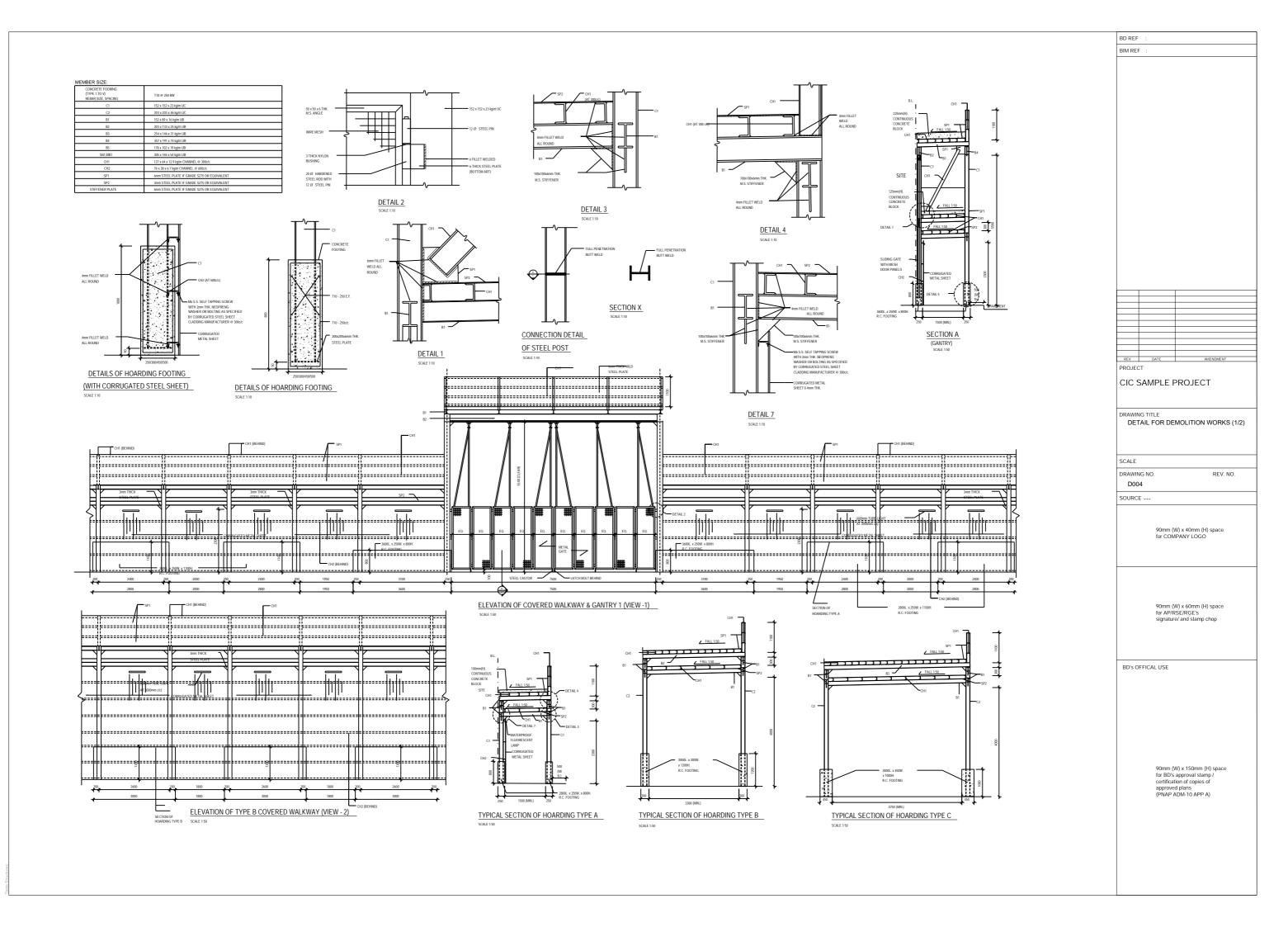
90mm (W) x 150mm (H) space for BD's approval stamp certification of copies of (PNAP ADM-10 APP A)

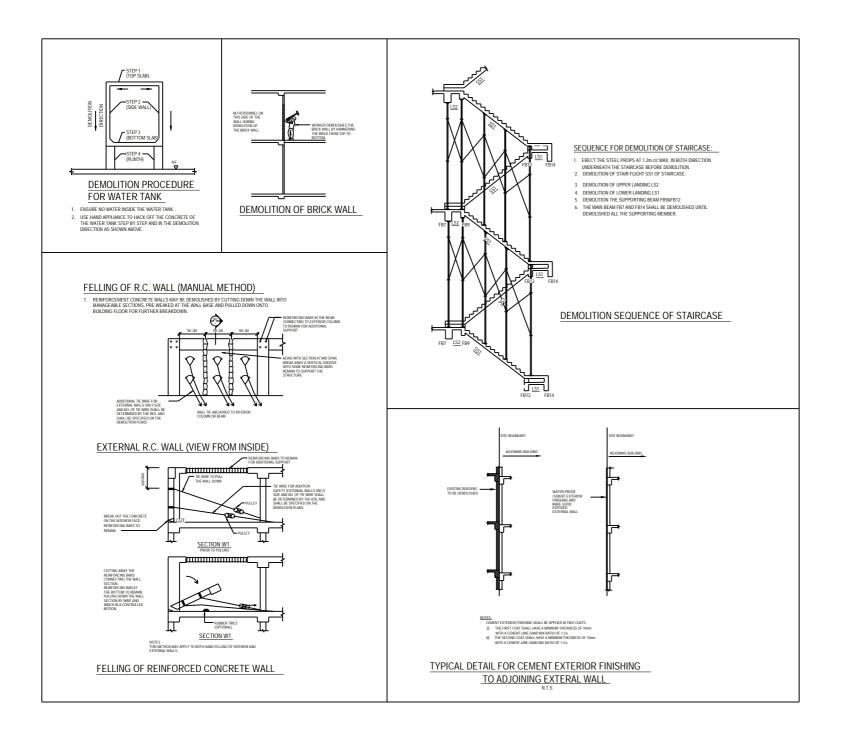
LEGEND :



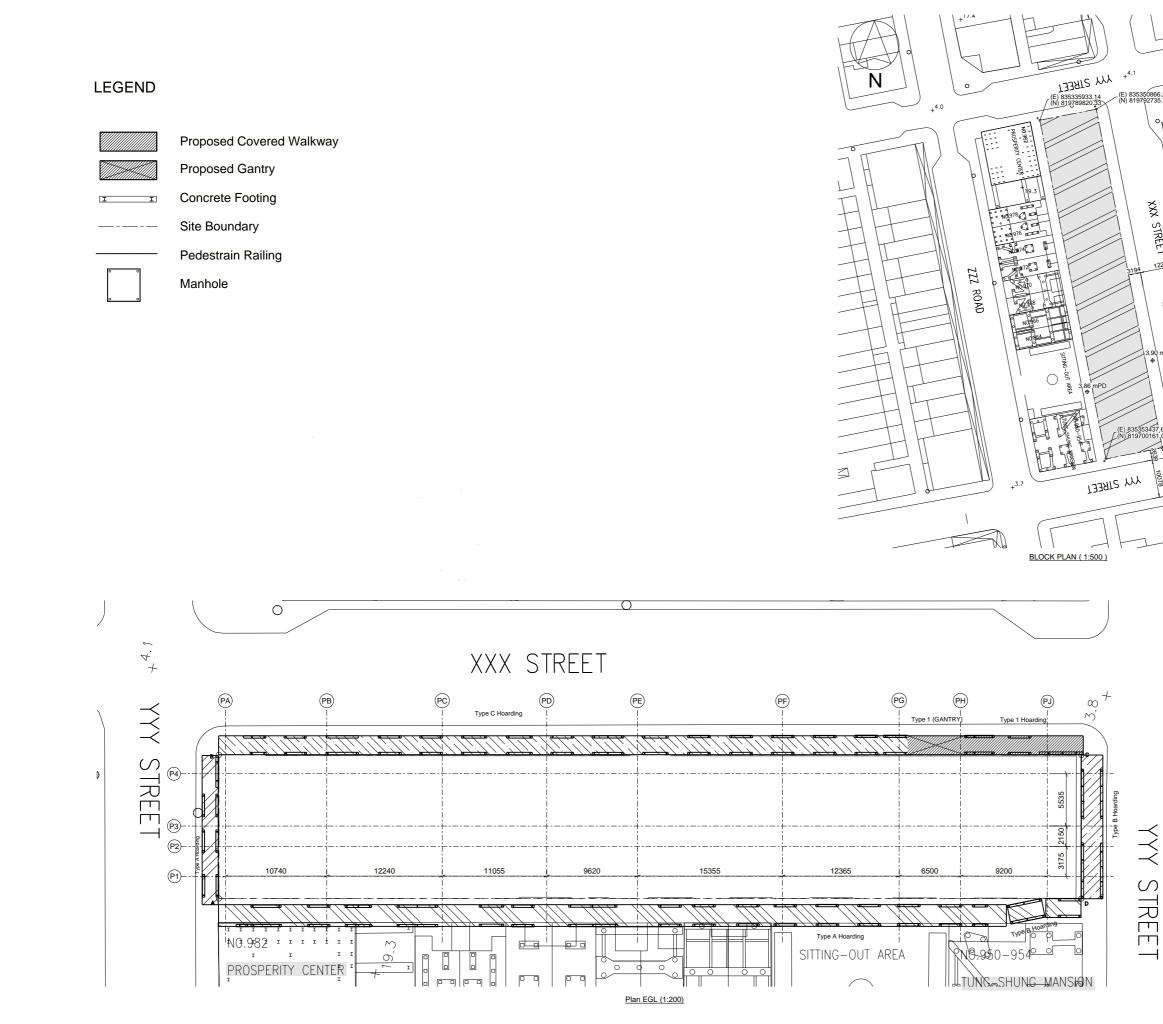
	BD REF		
	DIVIREI	г. 	
EEL PROP AT 1200mm c/c UNDER			
RIS CHUTE			
RUCTURE			
(
TING			
	REV PROJEC		AMENDMENT
	CICS	SAMPLE	PROJECT
	DEMO	NG TITLE NITION PLA ING PLAN	AN EXISTING G/F, 1/F
	SCALE		
	DRAWIN	NG NO.	REV. NO.
	SOURC	E	
			(W) x 40mm (H) space MPANY LOGO
		for AP/	(W) x 60mm (H) space (RSE/RGE's ure/ and stamp chop
	BD's C	FFICAL USE	
		for BD' certific approv	(W) x 150mm (H) space 's approval stamp / ation of copies of ed plans ADM-10 APP A)



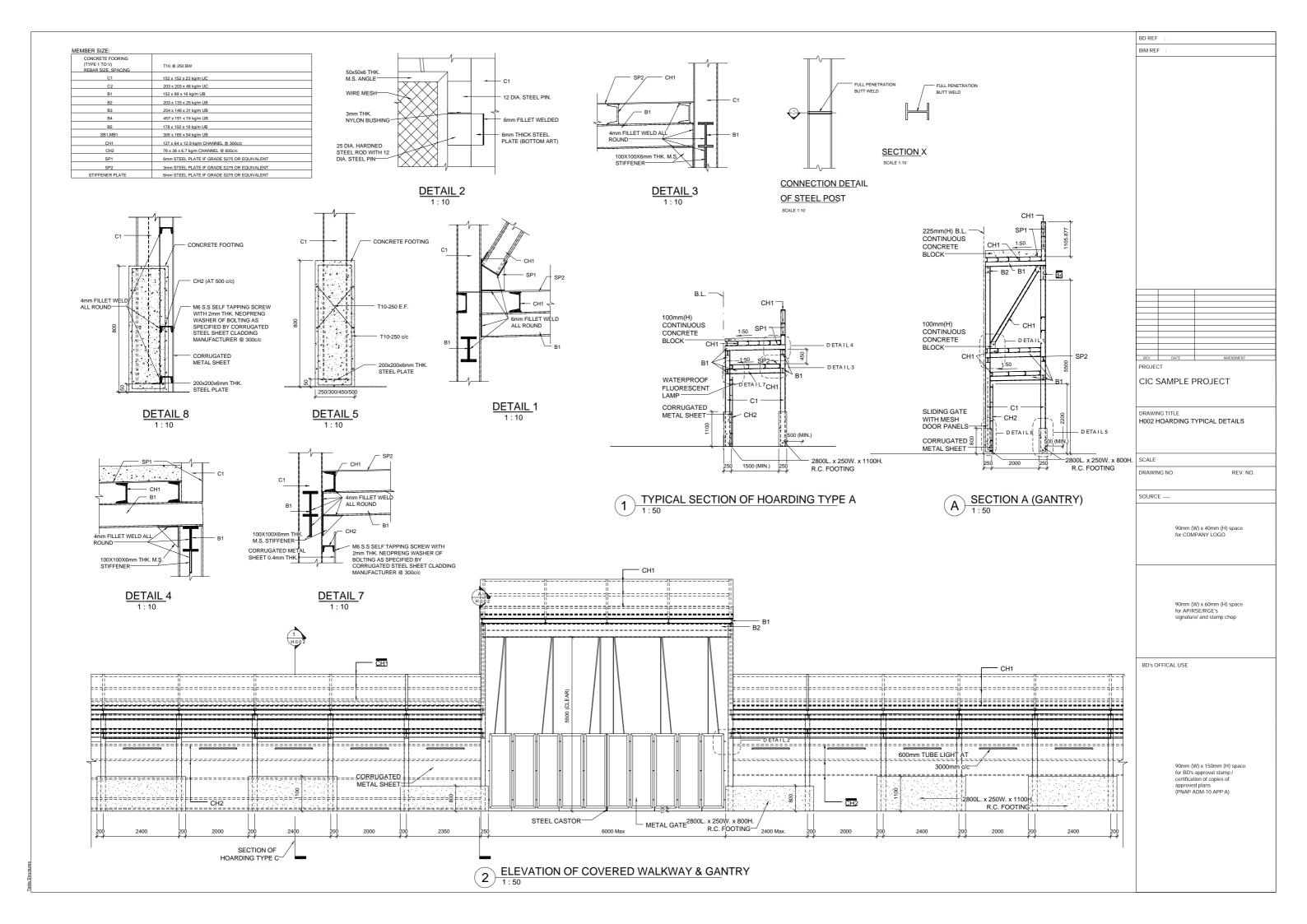




	1
DATE	AMENDMENT
	PROJECT
	ROJECT
TLE	
FOR DE	MOLITION WORKS (2/2)
	REV. NO.
J.	REV. NO.
	W) x 40mm (H) space
90mm (W) x 40mm (H) space IPANY LOGO
90mm (W) x 40mm (H) space IPANY LOGO
90mm (W) x 40mm (H) space IPANY LOGO
90mm (W) x 40mm (H) space IPANY LOGO
90mm (W) x 40mm (H) space IPANY LOGO
90mm (W) x 40mm (H) space IPANY LOGO
90mm (for CON	IPANY LOGO
90mm (for COM 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space
90mm (for COM 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (for AP/F signatur	IPANY LOGO W) x 60mm (H) space SE/RGE's
90mm (for COM 90mm (signatur AL USE	<pre>//PANY LOGO /// x 60mm (H) space // ssE/RGE's e/ and stamp chop // // stamp chop</pre>
90mm (for CON 90mm (for AP/F signatur AL USE	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop /// X 150mm (H) space // approval stamp /</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	W) x 60mm (H) space SEJRGE'S e/ and stamp chop W) x 150mm (H) space approval stamp / tion of copies of
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>
90mm (for COM 90mm (for APIF signatur AL USE 90mm (for BD's certifica approve	<pre>//PANY LOGO /// X 60mm (H) space /// SE/RGE's // and stamp chop // x 150mm (H) space // approval stamp / // tion of copies of // dplans</pre>



	BD REF :
	BIM REF :
+4.	
M H H	
NAT I FI AII	
INF TI FI_IN'	
+12.7	
3.92 mPD	
3.92 mPD	
mPD	
	REV DATE AMENDMENT
1 /k l F	
	CIC SAMPLE PROJECT
.65 1.08 (N) 819703076.49	
3.8 ₊	DRAWING TITLE
0	HOARDING LAYOUT PLAN
0	
	DRAWING NO. REV. NO. H001
	SOURCE
I	90mm (W) x 40mm (H) space for COMPANY LOGO
\searrow	
	90mm (W) x 60mm (H) space for AP/RSE/RGE's
	IUI AF/KJL/KGL S
	signature/ and stamp chop
/	signature/ and stamp chop
(signature/ and stamp chop
	signature/ and stamp chop
	BD's OFFICAL USE
	signature/ and stamp chop
	BD's OFFICAL USE
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
	Signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans



GENERAL NOTES:

- ALL DIMENSIONS ARE IN mm AND LEVELS IN mPD.
- ALL DESIGN SHALL COMPLY WITH HONG KONG BUILDING (CONSTRUCTION) REGULATION 1990 EDITION AND STRUCTURAL DESIGN OF STEEL IS IN ACCORDANCE WITH THE CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011.
- THIS SET OF DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE FOUNDATION PLAN. THE CONTRACTOR SHALL CHECK ALL RELEVANT DRAWINGS AND VERIFY LEVELS AND DIMENSIONS IN ADVANCE OF THE WORK AND WORK AND REPORT ANY DISCREPANCY TO THE ENGINEER IMMEDIATELY.
- ALL EXCAVATION SHALL BE BACKFILLED TO THE PROPOSED GROUND LEVEL AFTER COMPLETION OF FOUNDATION CONSTRUCTION. THE CONSTRUCTION SEQUENCE FOR EXCAVATION AND LATERAL SUPPORT, REFER TO
- DRG. NO. S-ELS-006 TO 007. THE INSTALLATION OF SHEET PILE SHALL BE WALL CARRIED OUT TO ACCORDING TO APPROVAL DRAWINGS PRIOR TO THE COMMENCEMENT OF EXCAVATION AND LATERAL SUPPORT WORKS.

NOTES ON CONSTRUCTION MATERIAL

- 1. STRUCTURAL STEEL MEMBERS
- a. ALL STRUCTURAL STEEL MEMBERS SHALL BE GRADE S355 (CLASS 1) WELDABLE STRUCTURAL STEEL AND COMPLY WITH TO BS EN 10025:2004.
- b. ALL WELDING SHALL COMPLY WITH THE CODE OF PRACTICE FOR STRUCTURAL USE OF
- STEEL 2005, BS EN 1011-1:2009, BS EN 1011-2:2001 & BS EN 499:1995. ALL CONNECTIONS SHALL BE 10mm FILLET WELDS ALL ROUNDED UNLESS OTHERWISE
- SPECIFIED. d. SAMPLES OF WELDING MATERIALS USED SHALL BE TESTED & TEST RESULTS SHALL BE SUBMITTED TO RSE FOR APPROVAL. ALL WORKS, MATERIALS AND TESTING SUCH AS TESTING OF STEEL BAR SHALL COMPLY WITH GENERAL SPECIFICATION FOR CIVIL ENGINEER WORKS 1992 EDITION AND HONG KONG BUILDING(CONSTRUCTION) REGULATION 1990 EDITION UNLESS OTHERWISE STATED IN THE DRAWING.

NOTES FOR EXCAVATION AND LATERAL SUPPORT (ELS) WORKS (TEMPORARY)

- THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE ERECTION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY WORKS DURING CONSTRUCTION.
- NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING FOUNDATIONS, DRAINS, PAVEMENTS, FEATURES, SERVICES ETC. SHOULD ANY DAMAGE OCCUR, NOTIFY THE ARCHITECT AND RELEVANT AUTHORITIES CONCERNED IMMEDIATELY AND MAKE GOOD BY THE CONTRACTOR AT NO EXTRA COST AND NO EXTENSION OF TIME.
- ALL TEMPORARY WORKS SHALL BE WITHIN THE SITE BOUNDARY
- DURING SUBSTRUCTURE CONSTRUCTION, THE GROUNDWATER LEVEL SHALL BE KEPT BELOW THE FINAL FORMATION LEVEL.
- THE CONTRACTOR SHALL INCREASE THE FREQUENCY OF MONITORING AS INSTRUCTED BY THE ENGINEER SHOULD ANY UNDUE GROUND MOVEMENT BE OBSERVED.
- MAX. ANGLE FOR TEMPORARY SOIL CUT SLOPE SHALL BE REFERRED TO PLANS AND SECTIONS. BUT IN NO CIRCUMSTANCE BE GREATER THAN 20?IN MD LAYER.

NOTES ON STRUCTURAL STEELWORK

- 1. ALL STRUCTURAL STEELWORK SHALL BE COMPLED WITH CODE OF PRACTICE FOR THE STRUCTURAL
- USE OF STEEL 2011. 2. ALL LEVEL SHOWN ARE IN METERS AND OTHER DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS
- OTHERWISE STATED.
- 3. ALL STRUCTURAL STEEL SECTION SHALL BE WELDABLE STRUCTURAL STEEL TO BS EN 10025:2004 UNLESS OTHERWISE NOTED.
- 4. DESIGN SURCHARGE: a) BACK SERVICE LANE (2.0m WIDE) : 10kPa
- b) RECLAMATION STREET (9.0m WIDE) : 20kPa
- c) FOOTPATH ALONG RECLAMATION STREET (2.0m WIDE) : 5kPa
- d) BEARING PRESSURE AT HOARDING FOOTPATH (0.45m WIDE) : 20kPa
- e) D.L. & L.L. OF EXISTING BUILDING VIA PILING SYSTEM : (REFER TO RECORD PLAN) DATUM FOR SURCHARGE AT
- 2/3 OF THE LENGTH OF PILE MEASURED FROM GROUND LEVEL
- f) LIVE LOAD FOR EACH LAYER OF WALING/ STRUT : 2kPa

NOTES ON WELDING

- THE CONTRACTOR SHALL SUBMIT TO AP/ RSE HIS PROPOSED PROCEDURE FOR WELDING. WELDING PROCEDURE WILL BE TESTED IN ACCORDANCE WITH BS EN ISO 15614-1:2004+A1:2008.
- THE CONTRACTOR SHALL ONLY USE QUALIFIED WELDERS WHO HAVE DEMONSTRATED THEIR COMPETENCE IN WELDING TO THE AGREED PROCEDURE. EACH WELDER
- WILL BE TESTED AS DESCRIBED IN BS EN 287-1:2004. ALL WELDS SHALL MEET THE ACCEPTANCE CRITERIA LAID DOWN IN BS EN 1011-1:2009
- & BS EN 1011-2:2001. UPON REQUESTED BY THE ARCHITECT WELDS WILL BE TESTED BY RADIOGRAPHIC EXAMINATION TO BS EN 1435:1997 OR ULTRASONIC EXAMINATION TO BS EN 1714:1998
- UNLESS OTHERWISE APPROVED, ALL SPLICES TO BE CONTINUOUS FULL-STRENGTH FULL PENETRATION BUTT WELDS.
- UNLESS OTHERWISE STATED, ALL FILLET WELDS SHALL BE 8mm ALL ROUND.
- ALL IMPROPER MATERIALS (e.g. SLAG, DIRT, IRREGULARITIES, OIL etc.) TO BE REMOVED FROM JOINTS PRIOR TO WELDING.
- ALL WELDING SHALL COMPLY WITH BS EN 1011, P.T. 1:2009, P.T. 2:2001. SAMPLES OF ALL MATERIALS USED SHALL BE TESTED & TEST RESULTS SHALL BE SUBMITTED TO RSE FOR APPROVAL. ALL WORKS, MATERIALS AND TESTING SUCH AS TESTING OF STEEL BAR SHALL COMPLY WITH GENERAL SPECIFICATIÓN FOR CIVIL ENGINEER WORKS 1992 EDITION AND HONG KONG BUILDING (CONSTRUCTION) REGULATION UNLESS OTHERWISE STATED IN THE DRAWING.

NOTES ON SITE SUPERVISION

THE TCP T5 SITE SUPERVISION PERSONNEL UNDER THE RGE'S STREAM SHALL SUBMIT REGULAR REPORTS OF HER/HIS/THE/R FINDINGS AND RECOMMENDATIONS TO THE RGE. THE RGE SHALL FORMALLY SUBMIT THESE REPORTS TO THE BD AND PROVIDE A COPY TO THE GEO AT MONTHLY INTERVALS OR MORE FREQUENTLY AS NECESSARY TYPICAL CONTENTS OF THE REGULAR REPORTS PREPARED BY THE TCP T5 SITE SUPERVISION PERSONNEL INCLUDE THE FOLLOWING:

(1) PROGRESS OF THE WØRKS (2) RESULTS OF MONITORING DURING CONSTRUCTION (3) SITE OBSERVATIONS

(4) INSPECTION RECORDS (5) REVIEW

- STANDARD FOR FILLING WORK
- 1. FILL MATERIAL SHALL BE GRADED. CONTAINING NO PARTICLES COARSER THAN 200mm AND THE PERCENTAGE BY MASS PASSING 75mm BS TEST SIEVE SHALL BE 75% TO 100%
- 2. THE IN SITU FIELD DRY DENSITIES OF COMPACTED MATERIALS FORMING THE EARTH FILL SLOPE SHALL BE NOT LESS THAN 95% OF THE MAXIMUM DRY
- DENSITY DESCRIBED IN ITEM (2) BELOW. 3. THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENTS SHALL BE DETERMINED IN ACCORDANCE WITH THE STANDARD GIVEN IN GEO SPEC 3 CLAUSE 10.1 & 10.2. EACH SOIL TYPE SHALL BE TESTED WHEN FIRST USED THEREAFTER AT THE SAME TIME AS EVERY SET OF FIELD DENSITY TESTS ARE OBTAINED. RECORDS SHALL BE KEPT, IDENTIFYING ON DRAWINGS THE SOIL TYPE, PLAN LOCATION AND ELEVATION REFERENCE TO PRINCIPAL DATUM OF EACH TEST TOGETHER WITH THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENTS. GRAPHS OF DRY DENSITY VS MOISTURE CONTENTS, LABORATORY TEST RECORD SHEETS AND A COMPLETE SOIL DESCRIPTION ARE TO BE KEPT IN A COMPANION FOLDER.
- 4. THE IN SITU FIELD DENSITY AND MOISTURE CONTENTS SHALL BE DETERMINED IN ACCORDANCE WITH THE STANDARD GIVEN IN GEO SPEC 3 CLAUSE 11.1 & PNAP 55 TO DETERMINE THE RELATIVE COMPACTION ACHIEVED. THE NUMBER OF DETERMINATIONS FOR EACH BATCH OF FILL MATERIAL SHALL BE AS STATED IN TABLE 1 BELOW. RECORDS SHALL BE KEPT, IDENTIFYING ON DRAWINGS THE SOIL TYPE, PLAN LOCATION AND ELEVATION REFERENCE TO PRINCIPAL DATUM OF EACH TEST TOGETHER WITH DRY DENSITY OF SOIL TESTED, MOISTURE CONTENTS AND RELATIVE COMPACTION ACHIEVED (%). THE FIELD SHEETS, CALCULATION SHEETS AND A COMPLETE SOIL DESCRIPTION ARE TO BE KEPT IN A COMPANION FOLDER.
- ALL TESTS SHALL BE CARRIED OUT BY OR UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER, OR BY AN INDEPENDENT TESTING AGENCY.

NOTES ON PROTECTION OF EARTHWORKS AGAINST HEAVY RAINFALL

- 1. SURFACE WATER FLOWING INTO AND OUT OF THE SITE SHALL BE INTERCEPTED AND CONDUCTED FROM THE SITE TO AN INDICATED SAFE DISCHARGE POINT. AT EACH INTERSECTION AND ABRUPT CHANGE IN DIRECTION OF SURFACE DRAINAGE, CHANNELS AND ACCESSIBLE CATCH PIT SHALL BE PROVIDED. ALL DRAINAGE WORKS SHALL BE KEPT CLEAR OF DEBRIS.
- 2. WHERE PARTIALLY COMPLETED DRAINAGE WORKS DISCHARGE WORKS DISCHARGE WITH/N THE SITE, A TEMPORARY CONDUIT SHALL BE PROVIDED TO THE DISCHARGE POINT.
- DURING EXCAVATION, A METHOD OF WORKING SHALL BE ADOPTED IN WHICH THE MINIMUM AMOUNT OF BARE SOIL IS EXPOSED AT ANY TIME. EXCAVATION TO FORM THE FINAL FACE SHALL BE FOLLOWED UP IMMEDIATELY WITH SURFACE PROTECTION AND DRAINAGE WORKS AND THE FACE PANEL SIZE SHALL BE SMALL ENOUGH TO PERMIT THIS.
- 4. WHERE TEMPORARY BARE EARTH SLOPE FACES ARE UNAVOIDABLE, THEY SHALL BE PROTECTED WITH HEAVY DUTY SHEETING ADEQUATELY SECURED AT THE EDGES, SEALED AT THE CREST, AND LAPPED AT JOINTS. WHERE SLOPE FACES ARE TO BE TEMPORARILY EXPOSED FOR MORE THAN TWO WEEKS, TEMPORARY DRAINS SHALL BE INSTALLED IN ADDITION TO SURFACING.
- TRENCHES ON/OR ADJACENT TO SLOPES SHALL BE EXCAVATED WITH EXTREME CARE IN SHORT SECTIONS AT A TIME. PRECAUTIONS SHALL ALWAYS BE TAKEN TO PREVENT WATER ENTERING AND CONNECTING IN THE TRENCHES

NOTES ON SHEET PILING FOR REFERENCE ONLY

- ✓ STEEL SHEET PILES TO COMPLY WITH BS EN 1993-5 2007 GRADE S355. UPON COMPLETION OF INSTALLING SHEET PILE WALLS, A RECORD PLAN FOR SHEET PILES SHALL BE SUBMITTED TO THE BUILDING AUTHORITY VIA THE R.S.E. FOR CONSENT APPLICATION.
- IN CASE ROCK OR OBSTRUCTION DUE TO BOULDER OR CORESTONE IS ENCOUNTERED, PREBORING SHOULD BE CARRIED OUT.
- TOLERANCE THE MAXIMUM PERMISSIBLE DEVIATION FROM THE VERTICAL AT ANY LEVEL OF A FINISHED PILE IS 1 IN 75. THE SHEET PILE WALLS SHALL BE INSTALLED BY PRESS-IN, NO VIBRO DRAWING IS ALLOWED DURING INSTALLATION.

NOTES ON EXISTING SERVICES, UTILITIES AND STRUCTURES

- BEFORE CONSTRUCTION COMMENCES, THE CONTRACTOR SHALL CONSULT THE VARIOUS 1. SERVICES AND UTILITY AUTHORITIES FOR THE EXTENT OF WORKS TO BE CARRIED OUT. THE CONTRACTOR SHALL EXERCISE DUE CARE DURING THE WORKS ON SITE TO AVOID
- CAUSING DAMAGE TO ADJACENT STRUCTURES PAVETMENT, UTILITIES/SERVICES, PRIVATE AND GOVERNMENT PROPERTIES.
- SHOULD ANY DAMAGE OCCUR TO THE ADJACENT STRUCTURES, PAVEMENT, UTILITIES/SERVICES,
- PRIVATE AND GOVERNMENT PROPERTIES DUE TO THE CONTRACTOR'S WORKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST INCURRED FROM THE DAMAGE. THE CONTRACTOR SHALL REPAIR, REINSTATE AND MAKE GOOD ANY DAMAGE DUE TO THE CONTRACTOR'S WORKS TO THEIR ORIGINAL CONDITIONS OR TO THE SATISFACTION OF THE CM, UNLESS OTHERWISE SPECIFIED.

PRECAUTIONARY MEASURES TO PREVENT THE OCCURRENCE OF OVER BREAK DURING PREBORING

- 1. A PROCEDURE SHALL BE CARRIED OUT TO MONITOR THE CONDITION OF OVER BREAK. IF THE DRILL BIT IS FOUND NOT TO PROPAGATE AFTER A CONSIDERABLE AMOUNT OF DRILLING, THE OPERATOR OF THE DRILLING RIG SHALL STOP THE DRILLING PROCESS AND INFORM THE ENGINEER IMMEDIATELY. THE RGE/RSE SHALL REVIEW THE GEOLOGY OF THE SPECIFIC LOCATION. PROPOSAL TO LIMIT ANY OVER BREAK OF SOIL SHALL BE SUBMITTED TO AND AGREED BY THE RSE/RGE PRIOR TO ANY FURTHER DRILLING WORKS MAY COMMENCE.
- 2. SHOULD ANY UNDUE OVER BREAK OF SOIL OBSERVED DURING THE DRILLING OPERATIONS, THE DRILLING AT THAT LOCATION SHOULD BE STOPPED AND THE RSE SHALL BE INFORM IMMEDIATELY. THE MONITORING DATA AND METHOD OF PREBORING SHALL BE REVIEWED. PROPOSAL TO LIMIT ANY FURTHER OVER BREAK OF SOIL SHALL BE SUBMITTED AND AGREED WITH RSE PRIOR TO ANY FURTHER DRILLING WORKS MAY COMMENCE.

PRECAUTIONARY MEASURES FOR PREBORING METHOD

- 1. (a) THE AMOUNT OF AIR SUPPLY TO LIMIT THE PRESSURE OF DRILLINGS SHOULD BE MONITORED.
- (b) THE ADVANCEMENT RATE OF DRILL BIT SHOULD BE MONITORED DURING THE BORING. THE OVERBREAK SHOULD NOT BE ALLOWED.
- 3. THE DRILL BIT SHOULD BE ADVANCED SIMUTANOUSLY WITH THE STEEL CASING.

DEPROPPING SEQUENCE OF STRUTS

ALL STRUT SHALL NOT BE REMOVED UNTIL CONSTRUCTION UP TO THE GROUND FLOOR OF THE SUPERSTRUCTURE HAS BEEN COMPLETED AND THE REQUIRED 28-DAY CONCRETE STRENGTH HAS BEEN ACHIEVED.

STAGE 1 : CAST PILE CAPS, STRAP/ GROUND BEAM (UNDER SEPARATE SUBMISSION) STAGE 2 : CAST BASEMENT WALL, COLUMN, WALL, BEAM & SLAB OF B1/F & G/F (UNDER SEPARATE SUBMISSION)

STAGE 3 : REMOVE ALL STRUTS WHEN G/F SLAB AND BASEMENT WALL ACHIEVE 28 DAYS OF STREMGTH

NOTES ON PRE-BORING FOR INSTALLATION OF SHEET PILES

- 1. THE PRE-BORED HOLES \$HALL BE SUNK ALONG THE ALIGNMENT OF THE SHEET PILE
- WALL USING SYMMETRIX DRILLING METHOD. THE PRE-BORED HOLES SHALL BE SUPPORTED BY TEMPORARY STEEL CASING ALONG THE FULL DEPTH OF THE EXCAVATION. 2. THE PRE-BORED HOL∉S SHALL BE DRILLED IN ACCORDANCE WITH THE FOLLOWING
- **REQUIREMENTS:** a) DEVIATION FRØM THE CORRECT LINE FOR THE LOCATION NOT
- GREATER THAN 20mm. b) DEVIATION FROM VERTICALITY OF INDIVIDUAL PRE-BORED HOLES IN
- ANY DIRECTION SHALL BE LESS THAN 1:100.
- c) DRILL 250m/m MINIMUM DIAMETER HOLES FROM EXISTING GROUND LEVEL TO/THE REQUIRED LEVEL BY SYMMETRIX DRILLING METHOD.
- 3. AFTER DRILLING THROUGH TO THE REQUIRED DEPTH OF OBSTRUCTIONS THE INTERIOR OF/EACH CASING SHALL BE FILLED WITH APPROVED GRANULAR BACKFILL
- MATERIAL SHALL BE TOPPED UP IMMEDIATELY. 4. UPON COMPLETION SHEET PILE WALL SHALL BE INSTALLED TO THE REQUIRED TOE LEVEL BY/THE METHOD APPROVED BY THE RSE. THROUGH A GUIDE FRAME AT
- GROUND/LEVEL TO ENSURE PROPER PITCHING, VERTICALITY AND ALIGNMENT OF SHEET PILE WALL 5. NO WITHSTANDING THE ABOVE-MENTIONED MINIMUM PRE-BORING REQUIREMENTS,
- IT IS THE CONTRACOTR'S RESPONSIBILITY TO PROVIDE ANY ADDITIONAL PRE-BORING OR ALTERNATIVE MEASURES TO ENSURE THAT ALL SHEET PILE WALLS ARE/TO BE PRESSED IN FREE OF OBSTRUCTIONS TO ACHIEVE THE REQUIRED TOE LE∦ELS SPECIFIED.
- 6. TI∕IE CONTRACTOR SHALL SUBMIT A DETAILED METHOD STATEMENT TOGETHER WITH THE PLANT AND EQUIPMENT FOR PRE-BORING to AP, RSE & RGE FOR APPROVAL BEFORE COMMENCEMENT OF WORKS. THE PROPOSED METHOD AND SEQUENCE OF [/] PRE-BORING SHALL BE ARRANGED SO AS TO MINIMIZE THE CONSTRUCTION NOISE DURING PRE-BORING.
- SHALL ANY UNDUE SETTLEMENT OCCUR DUE TO PRE-BORING, THE CONTRACTOR SHALL SUBMIT A REMEDIAL PROPOSAL FOR THE APPROVAL OF THE RSE TO PREVENT FURTHER UNDUE SETTLEMENT PRIOR TO THE RE-COMMENCEMENT OF THE PRE-BORING WORKS.
- THE CONTRACTOR SHALL KEEP RECORD OF EACH PRE-BORED HOLES FOR ENGINEER INSPECTION.

SOIL PARAMETER

	SOIL PARAMETER								
Ø' (DEGREE) C' (kpa)									
FILL	33	1							
MD	33	1							
ALL.	32	2							
CDG	34	5							

SCHEDULE OF VERTICAL TIE							
ITEM MEMBER MARK GRADE MEMBER SIZ							
VERTICAL_TIE	D4	S355	UBP356*368*174				

SCHEDULE OF HORIZONTAL TIE								
ITEM MEMBER MARK GRADE MEMBER SIZ								
HORIZONTAL_TIE	T1	S355	UC203*203*46					

		SCHEDUL	E OF MAIN STR	JT		
PILE TYPE	LAYER	STRUT MEMBER SIZE	STRUT LEVEL	HORIZONTAL LOAD (kN/m)	DESIGN LOAD FOR STRUT (kN)	
А	1	UC305*305*97	+3.254	86	569	
А	2	UC305*305*97	+1.754	130	860	
А	3	UC356*368*177	+0.284	251	1661	
А	4	UC356*368*177	-1.216	452	2990	
А	5	UC356*368*202	-2.713	640	4234	
А	6	6 UC356*406*235		824	5451	
А	7	UC356*406*287	-5.703	805	5326	
А	8	UC356*406*287 -7.203		961	6358	
В	1	UC305*305*97	+3.254	156	1032	
В	2	UC356*368*177	+0.284	410	2713	
В	3	UC356*368*177	-2.716	411	2719	
В	4	UC356*368*202	-4.213	600	3969	
В	5	UC356*368*202	-5.713	623	4122	
В	6	UC356*406*235	-7.210	528	3493	
С	1	UC305*305*97	+3.254	130	860	
С	2	UC356*368*177	+0.284	420	2779	
С	3	UC356*368*202	-2.713	-2.713 673		
С	4	UC356*406*287	-5.703	1032	6827	

			HEDULE OF WAL COMPRESSION (kNm)	SHEAR (kNm)	MOMENT (kNm	
PILE TYPE	LAYER	WALING MEMBER SIZE	=1.4*Fh* (1.414*3.15)	=1.4*Fh* (0.6*3.15)	=1.4*Fh* (3.15^2/9)	
А	1	UB533*210*92	531	228	100	
А	2	UB533*210*92	803	344	151	
А	3	UB610*305*179	1550	665	291	
А	4	UB610*305*179	2791	1196	524	
А	5	UB610*305*238	3952	1694	741	
А	6	UB610*305*238	5088	2181	9541	
А	7	UB610*305*238	4871	2131	932 113 87 223	
А	8	UB914*305*289	5934	243		
AA	1	UB533*210*92	464	199		
AA	2	UB533*210*92	1186	509		
AA	3	UB610*305*179	1760	755	330	
AA	4	UB610*305*238	3020	1294	567	
AA	5	UB610*305*238	3662	1570	687	
AA	6	UB610*305*238	3705	1588	695	
AA	7	UB610*305*238	3884	1665	729	
В	1	UB533*210*92	964	413	181	
В	3	UB610*305*179	2532	1085	475	
В	3	UB610*305*179	2538	1088	476	
В	5	UB610*305*179	2538	1088	476	
В	6	UB610*305*238	3705	1588	695	
В	7	UB610*305*238	3874	1649	722	
В	8	UB610*305*238	3260	1398	612	
С	1	UB533*210*92	803	344	151	
С	3	UB610*305*179	2594	1112	487	
С	5	UB610*305*238	4156	1781	780	
С	7	UB914*305*289	6372	2731	1195	

SECTION PROPERTIES OF WALING									
ITEM	GRADE	SECTION AREA (cm ²)	MOMENT OF INERTIA (cm4)	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
UB533*210*92	S355	118	55333	92	2076	533.1	209.3	10.1	15.6
UB610*305*179	S355	228	151434	178	4906	620.2	307.1	14.1	23.6
UB610*305*238	S355	304	207747	238	6564	635.8	311.4	18.4	31.4
UB914*305*289	S355	369	504850	289	10897	926.6	307.7	19.5	32.0

			SECTION	PROPERT	IES OF STR	UTS			
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm4)	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
UC305*305*97	S355	123	22184	96	1442	307.9	305.3	9.9	15.4
UC356*368*177	S355	226	57040	177	3099	368.2	372.6	14.4	23.8
UC356*368*202	S355	258	66255	202	3538	374.6	374.7	16.5	27.0
UC356*406*235	S355	300	79103	235	4153	381.0	394.8	18.4	30.2
UC356*406*287	S355	366	99817	287	5073	393.6	399.0	22.6	36.5

	SECTION PROPERTIES OF SHORT STRUT / SPACER								
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm4)	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
152X89X24	S355	30.4	1168	29.05	153	152.4	88.9	7.1	11.6

	SECTION PROPERTIES OF HORIZONTAL TIE								
ITEM	GRADE	SECTION AREA (cm ²)	MOMENT OF INERTIA (cm4)	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
UC203*203*46	S355	58.8	4565	46.18	449	203.2	203.6	7.2	11.0

SECTION PROPERTIES OF VERTICAL TIE									
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm4)	WEIGHT (kg/m)	SECTION MODULUS (cm ³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
UBP356*368*174	S355	221.5	5100	172.32	2820	361.4	378.5	20.3	20.4

SCHEDULE OF SEONDARY STRUT AND CORNER STRUT						
PILE TYPE	LAYER	STRUT MEMBER SIZE	STRUT LEVEL			
А	1	UC305*305*97	+3.254			
А	2	UC305*305*97	+1.754			
А	3	UC356*368*177	+0.284			
А	4	UC356*368*177	-1.216			
А	5	UC356*368*202	-2.713			
А	6	UC356*406*235	-4.210			
А	7	UC356*406*287	-5.703			
А	8	UC356*406*287	-7.203			
В	1	UC305*305*97	+3.254			
В	2	UC356*368*177	+0.284			
В	3	UC356*368*177	-2.716			
В	4	UC356*368*202	-4.213			
В	5	UC356*368*202	-5.713			
В	6	UC356*406*235	-7.210			
С	1	UC305*305*97	+3.254			
С	2	UC356*368*177	+0.284			
С	3	UC356*368*202	-2.713			
С	4	UC356*406*287	-5.703			

BIM REF : : BIM REF :: BIM REF	BIM RE	.F :	
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE	REV	DATE AMENDME	INT
DRAWING TITLE EXCAVATION & LATERAL SUPPORT GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			
EXCAVATION & LATERAL SUPPORT SCALE AS SHOWN@A1 REV. NO. DRAWING NO. EV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	CIC	SAMPLE PROJECT	
EXCAVATION & LATERAL SUPPORT SCALE AS SHOWN@A1 REV. NO. DRAWING NO. EV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
EXCAVATION & LATERAL SUPPORT SCALE AS SHOWN@A1 REV. NO. DRAWING NO. EV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
GENERAL NOTES SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
DRAWING NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	GE	ENERAL NOTES	UKI
DRAWING NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
DRAWING NO. E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	SCALE		
E001 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			
90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	0.0.000	ING INC. REV	V. NO.
for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans	E001	ING INU. RE ^V	V. NO.
for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			V. NO.
for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			V. NO.
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		CE	
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		CE 90mm (W) x 40mm (H) space	
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		CE 90mm (W) x 40mm (H) space	
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		CE 90mm (W) x 40mm (H) space	
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		CE 90mm (W) x 40mm (H) space	
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		CE 90mm (W) x 40mm (H) space	
BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (W) x 40mm (H) space for COMPANY LOGO	e
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	e
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	e
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	e
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans		90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
for BD's approval stamp / certification of copies of approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
approved plans	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop	e
(PNAP ADM-10 APP A)	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE	e
	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE 90mm (W) x 150mm (H) spa for BD's approval stamp / certification of copies of approved plans	e
	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE 90mm (W) x 150mm (H) spa for BD's approval stamp / certification of copies of approved plans	e
	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE 90mm (W) x 150mm (H) spa for BD's approval stamp / certification of copies of approved plans	e
	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE 90mm (W) x 150mm (H) spa for BD's approval stamp / certification of copies of approved plans	e
	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE 90mm (W) x 150mm (H) spa for BD's approval stamp / certification of copies of approved plans	e
	SOURC	90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop 0FFICAL USE 90mm (W) x 150mm (H) spa for BD's approval stamp / certification of copies of approved plans	e

LEGEND:

4.5

SA1 SA1

+2.90

T1

 \leq

SITE BOUNDARY _____ _ _ ____ EXISTING BOREHOLE PROPOSED SHEET PILE PROPOSED SHORT STRUT EXISTING LEVEL PROPOSED MAX. 30° OPEN CUT SLOPE KA1 KA1

PROPOSED STRUT

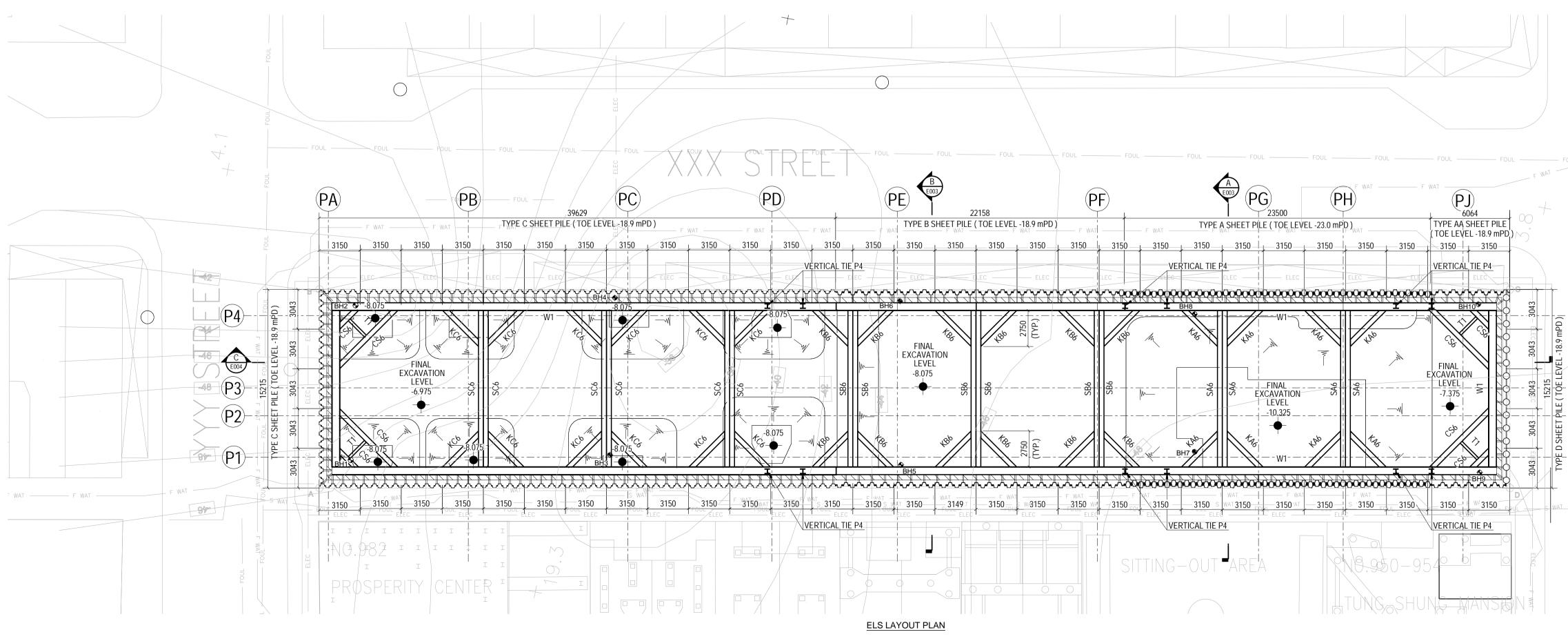
PROPOSED EXCAVATION LEVEL PROPOSED BASEMENT WALL (UNDER SEPARATE SUBMISSION) PROPOSED TIE

- ——GAS ——— GAS PIPE ——S WAT —— SALT WATER PIPE
- ——ELEC —— ELECTRIC CABLE
- F WAT FRESH WATER PIPE

SHEET PILE SCHEDULE							
SHEET PILE TYPE MEMBER SIZE		TOE LEVEL (mPD)	MAX RETAINING HEIGHT (m)	FINAL EXCAVATION LEVEL (mPD)	MIN. EMBEDMENT LENGTH (m)	GRADE	
А	FSP-VIL-BOX	-23.000	12.675	-10.325	14.225	S275	
AA	FSP-VIL	-18.900	11.275	-7.375	11.525	S275	
В	FSP-VIL	-18.900	12.175	-8.075	10.825	S275	
С	FSP-IV	-18.900	12.175	-8.075	10.825	S275	
D	CHS508.0*16.0	-18.900	11.275	-7.375	11.525	S275	

DIMENSION (mm)			SECTION AREA	MOMENT OF	WEIGHT (PER PILE) (kg/m)
W	h	t	(PER PILE) (cm ²)	PILE) (cm4)	PILE) (kg/m)
400	170	15.5	97	4670	76.1
500	225	27.6	153	11400	120.0
500	450	27.6	306	22800	240.0
	w 400 500	w h 400 170 500 225	w h t 400 170 15.5 500 225 27.6	w h t (PER PILE) (cm²) 400 170 15.5 97 500 225 27.6 153	w h t SECTION AREA (PER PILE) (cm²) INERTIA (PER PILE) (cm4) 400 170 15.5 97 4670 500 225 27.6 153 11400

SHEET PILE SECTIO						
	DIMENSION (mm)			Moment of Inertia (per	WEIGHT (PER	
ITEM	d	t	(PER PILE) (cm ²)	PILE) (cm4)	PILE) (kg/m)	
CHS508.0*16.0	508.0	16.0	247	74909	194	



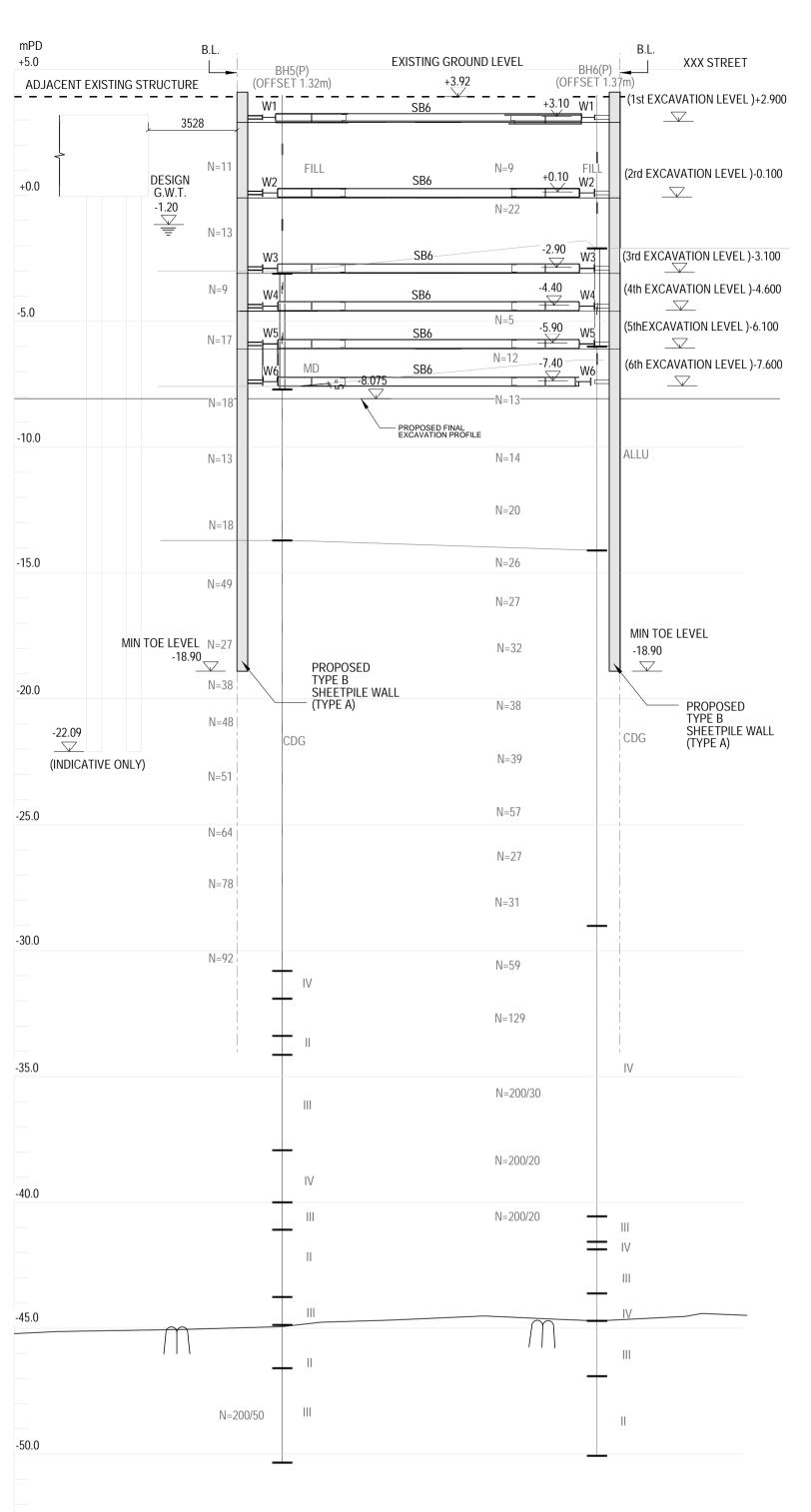


0	OPERTIES							
2	SECTION MODULUS (PER PILE) (cm ³)	SECTION AREA (PER 1m PILE) (cm ²)	MOMENT OF INERTIA (PER 1m PILE) (cm4)	WEIGHT (PER 1m PILE) (kg/m)	SECTION MODULUS (PER 1m PILE) (cm ³)			
	362	242.5	38600	153.00	2270			
	680	306.0	86000	300.00	3820			
	1360	306.0	172000	600.00	7640			
PERTIES								
	SECTION MODULUS (PER PILE) (cm ³)	SECTION AREA (PER 1m PILE) (cm ²)	MOMENT OF INERTIA (PER 1m PILE) (cm4)	WEIGHT (PER 1m PILE) (kg/m)	SECTION MODULUS (PER 1m PILE) (cm ³)			
	2949	618.27	74909	390.00	2949			

BD REF BOUDARY COORDINATES **BIM REF** POINT E (m) N (m) A 835335.928 819789.845 B 835350.861 819792.760 C 835368.366 819703.101 D 835353.433 819700.186 XXX STREE 12.7 REV DATE AMENDMENT PROJECT CIC SAMPLE PROJECT N 819703101 — E 835368366 DRAWING TITLE **EXCAVATION & LATERAL SUPPORT** LAYOUT PLAN SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E002 SOURCE ---90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE \bigcirc 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)

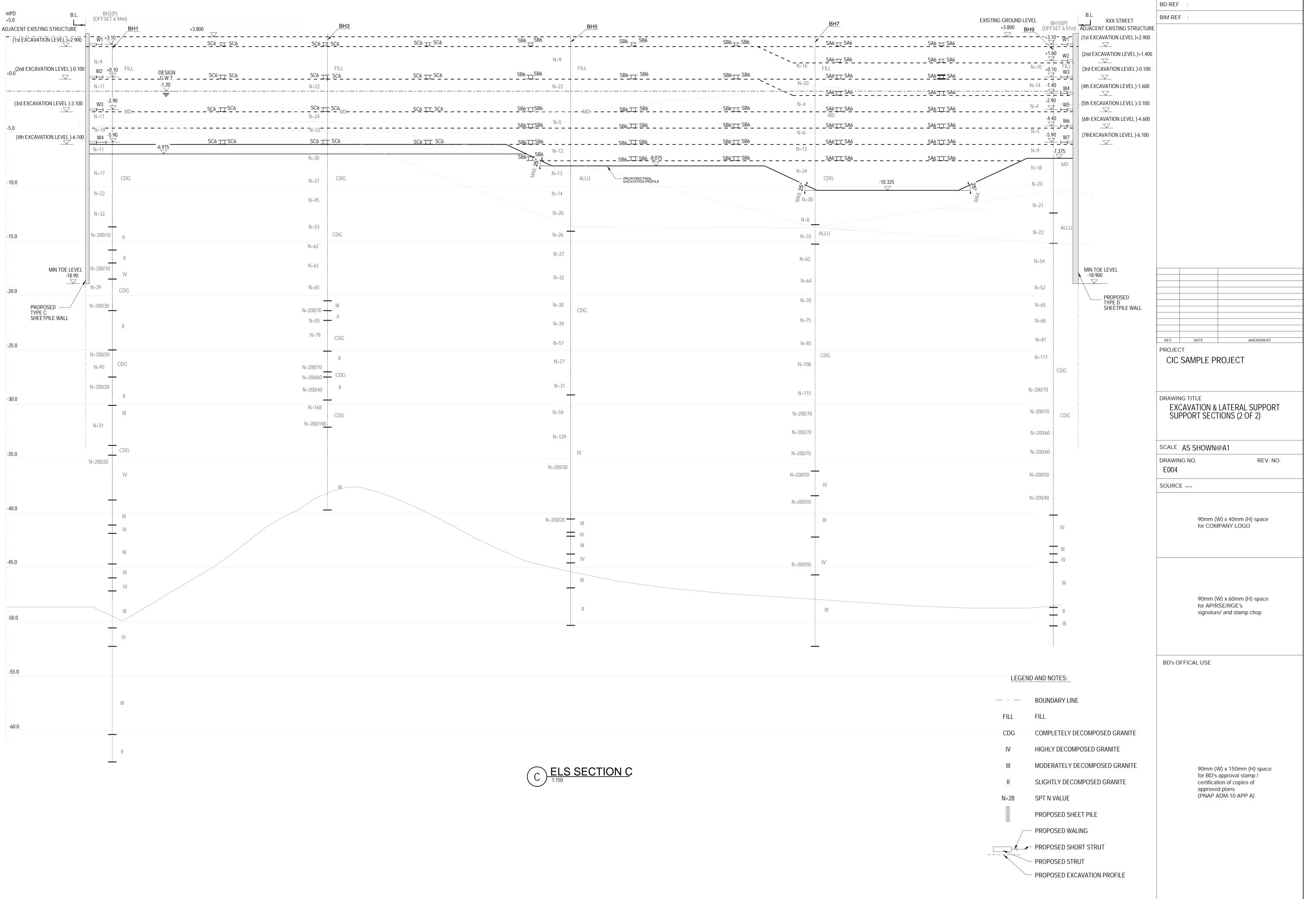
mPD mPD B.L. B.L. +5.0 EXISTING GROUND LEVEL XXX STREET +5.0 ADJACENT EXISTING STRUCTURE (OFFSET 2.18m) W1 SA6 W1 (1st EXCAVATION LEVEL)+2.900 \square 3528 +<u>1.60</u>_W2 (2nd EXCAVATION LEVEL)+1.400 SA6 N=16 +0.10 FILL W3 \square N=1(3rd EXCAVATION LEVEL)-0.100 DESIGN G.W.T. SA6 +0.0 +0.0 N=20 -1.40 W4 (4th EXCAVATION LEVEL)-1.600 -1.20 SA6 ____ -2.90 N=4 W5-(5 (5th EXCAVATION LEVEL)-3.100 SA6 N=12 \square -4.40 W6 (6th EXCAVATION LEVEL)-4.600 SA6 \square -5.0 -5.0 N=14 N=6 -5.90 W7 (7thEXCAVATION LEVEL)-6.100 SA6 W7 N=13 -7.40 W8 (8th EXCAVATION) (8th EXCAVATION LEVEL)-7.600 N=16 W8 SA6 N=24 N=24 -10.325 -10.0 -10.0 N=30 N=13 PROPOSED FINAL EXCAVATION PROFILE N=8 N=15 ALLU -15.0 -15.0 N=33 N=53 N=62 N=41 N=64 -20.0 -20.0 N=60 N=70 -22.09 MIN TOE LEVEL MIN TOE LEVEL -23.00 -23.00 N=62 -23.16 CDG N=75 (INDICATIVE ONLY) N=85 N=73 PROPOSED PROPOSED -25.0 -25.0 BOX TYPE SHEETPILE WALL (TYPE A) BOX TYPE CDG SHEETPILE WALL (TYPE A) N=108 N=77 N=115 N=85 | -30.0 -30.0 N=102 N=200/70 N=120 N=200/70 N=109 N=200/70 -35.0 -35.0 N=200/170 N=68 N=200/50 CDG IV N=200/50 -40.0 -40.0 N=200/50 -45.0 -45.0 N=200/50 -50.0 $|| \rangle$ -55.0 -55.0 -60.0 -60.0 A ELS SECTION A 1:150

Tekla Structure

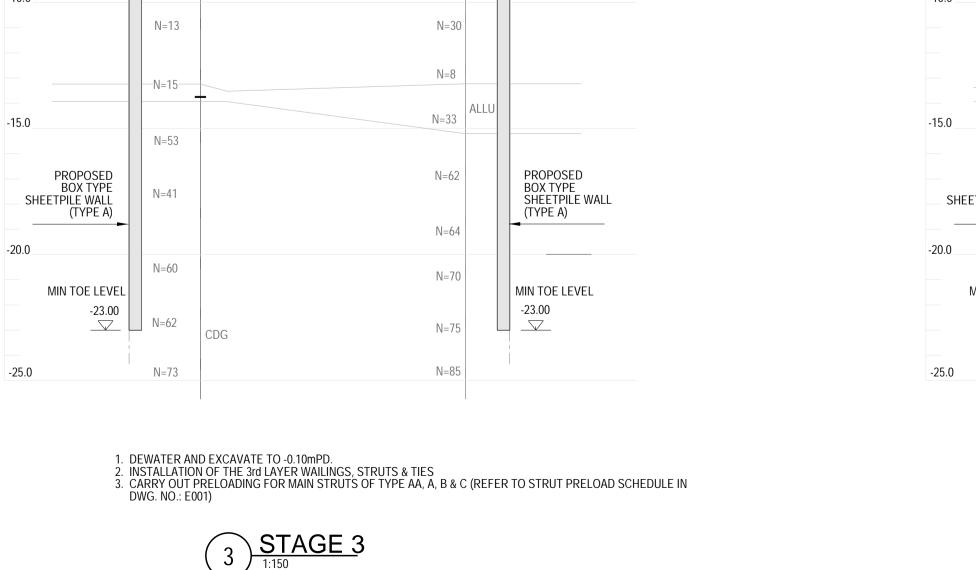


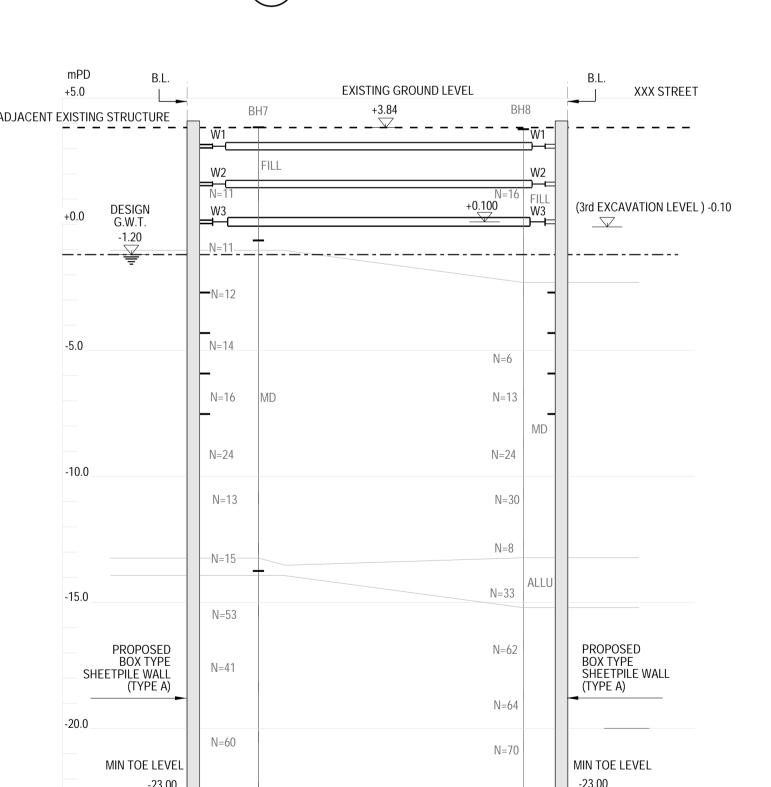
B ELS SECTION B

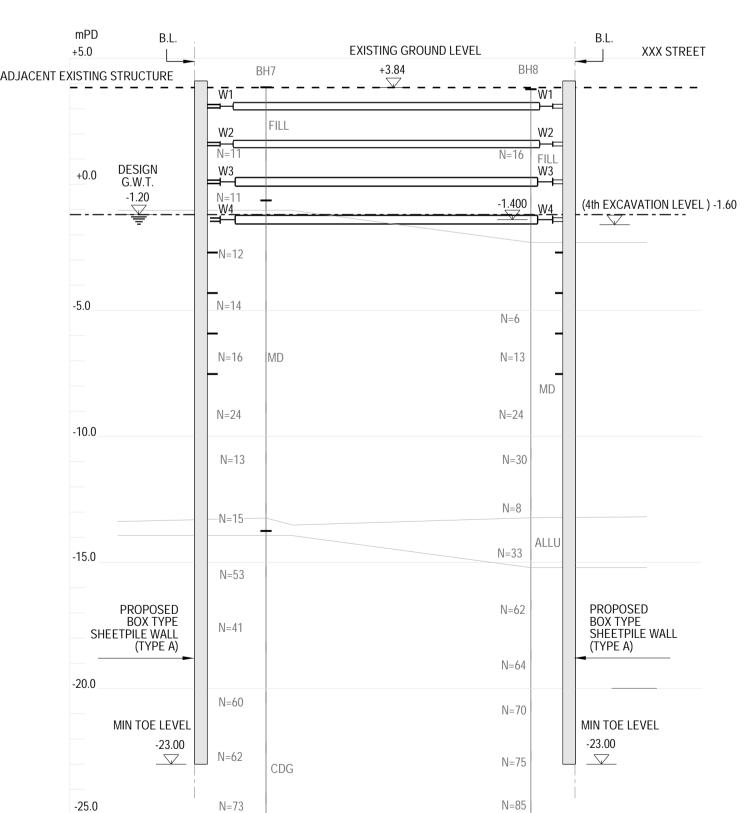
LEERLA MAD MOTES. I COMPLETENT OF COMPASED GRAVITE III MADERATELY OF COMPASED GRAVITE IIII MADERATELY OF COMPASED GRAVITE IIII MADERATELY OF COMPASED GRAVITE IIII MADERATELY OF COMPASED GRAVITE IIIII MADERATELY OF COMPASED GRAVITE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			BD REF : BIM REF :			
FILL III CCC COMPLETELY DECOMPOSED GRAINTE IV INSILVEY DECOMPOSED GRAINTE IV-23 SET IN VALUE IV-2005ED SHORT STRUT	LEGEND	AND NOTES:				
CDG COMPLETELY DECOMPOSED GRAVITE IN MODERATELY DECOMPOSED GRAVITE IN SUBJECT Y DECOMPOSED GRAVIT		BOUNDARY LINE				
MIGH Y DECOMPOSED GRAVITE IIII SUGATION DECOMPOSED GRAVITE IIIII SUGATION DECOMPOSED GRAVITE IIIIII Y DECOMPOSED SINUT IIIIIII Y DECOMPOSED SINUT IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	FILL	FILL				
III MODERATELY DECOMPOSED GRANTE III SURATI Y DECOMPOSED GRANTE III SURATI Y DECOMPOSED GRANTE III PROPOSED STRUT PROPOSED STRUT PROPOSED STRUT PROPOSED DECAMINON PROFILE III CLESANTION PROFILE IIII CLESANTION PROFILE IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	CDG	COMPLETELY DECOMPOSED GRANITE				
II SLIGHT V DECOMPOSED GRAVITE N28 SPT N VALUE PROPOSED SHOET FILE PROPOSED SHOET STRUT PROPOSED STRUT PROPOSED EXCAVATION PROFILE PROPOSED EXCAVATION PROFILE Image: manual struct Image: manual struct Image: manual struct PROPOSED EXCAVATION PROFILE Image: manual struct Image: manual struct Image: manual struct Image: manual struct <tdi< th=""><th>IV</th><th>HIGHLY DECOMPOSED GRANITE</th><th></th></tdi<>	IV	HIGHLY DECOMPOSED GRANITE				
	III	MODERATELY DECOMPOSED GRANITE				
PROPOSED SHOT STRUT PROPOSED EXCAVATION PROFILE	II	SLIGHTLY DECOMPOSED GRANITE				
PROPOSED SHORT STRUT PROPOSED EXCAVATION PROFILE		SPT N VALUE				
		PROPOSED SHEET PILE				
PROPOSED EXCAVATION PROFILE PROPOSED EXCAVATION PROFILE PROJECT CIC SAMPLE PROJECT PROJECT CIC SAMPLE PROJECT PROJECT SCALE AS SHOW/M@A1 PROVING NO. REV. NO. E003 SOURCE Proving 01 x 40mm 01 space for COMPANY LODO Proving 01 x 40mm 01 space for SUPPORT SEETIONS (1 OF 2) Proving 01 x 40mm 01 space for SUPPORT SEETIONS Proving 01 x 40mm 01 space Proving 01 x 40mm 01 x 40mm 01 space Proving 01 x 40mm 01 x 40						
PROPOSED EXCAVATION PROFILE Image: State of the state of						
Image: Second State Sta						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature ² and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approved samp / certification of copies of approved pairs						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature ² and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approved samp / certification of copies of approved pairs						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature and stamp chop BD's OFFICAL USE 90mm (V) x 150mm (H) space for BD's approval stamp / certification of copies of approval disc						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature ² and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approved samp / certification of copies of approved pairs						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature ² and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approved samp / certification of copies of approved pairs						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature ² and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approved samp / certification of copies of approved pairs						
PROJECT CIC SAMPLE PROJECT DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRESERGES signature ² and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approved samp / certification of copies of approved pairs						
DRAWING TITLE EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRESERGE's signature' and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / conflictation of copies of approval plane			PROJECT			
EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / conflication of copies of approved plans			CIC SAMPLE PROJECT			
EXCAVATION & LATERAL SUPPORT SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 40mm (H) space for APRSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / conflication of copies of approved plans						
SUPPORT SECTIONS (1 OF 2) SCALE AS SHOWN@A1 DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for APRSERRCE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approval stamp / certification of copies of approval plans						
DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			SUPPORT SECTIONS (1 OF 2)			
DRAWING NO. REV. NO. E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
E003 SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			SCALE AS SHOWN@A1			
SOURCE 90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE			SOURCE			
90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE						
90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			90mm (W) x 40mm (H) space			
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			for COMPANY LOGO			
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans			90mm (W) x 60mm (H) space			
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans						
for BD's approval stamp / certification of copies of approved plans			BD's OFFICAL USE			
for BD's approval stamp / certification of copies of approved plans						
for BD's approval stamp / certification of copies of approved plans						
for BD's approval stamp / certification of copies of approved plans						
for BD's approval stamp / certification of copies of approved plans						
for BD's approval stamp / certification of copies of approved plans						
certification of copies of approved plans			90mm (W) x 150mm (H) space			
(PNAP ADM-10 APP A)			certification of copies of			
			(PNAP ADM-10 APP A)			











(TYPE A) <u>STAGE 0</u>

INSTALL MONITORING CHECKPOINTS AS SHOWN ON DRAWING NO. E008 AND TAKE INITIAL READING
 CARRY OUT INSTALLATION OF SHEET PILES AS SHOWN ON PLAN TO REQUIRED LEVEL.
 CARRY OUT PUMPING TEST AS SHOWN ON DWG NO.: E009.

mPD mPD B.L B.L. B.L. EXISTING GROUND LEVEL XXX STREET +5.0 +5.0 -+3.84 BH8 BH7 ADJACENT EXISTING STRUCTURE ADJACENT EXISTING STRUCTURE _ _ _ _ _ _ _ _ _ IFILL N=11 N=16 DESIGN G.W.T. DESIGN G.W.T. +0.0 +0.0 -1.20 -1.20 _----N=12 -5.0 -5.0 N=14 N=6 N=13 N=16 IMD N=24 N=24 -10.0 -10.0 N=13 N=30 N=8 —N=15— N=33 -15.0 -15.0 N=53 PROPOSED BOX TYPE PROPOSED BOX TYPE N=62 PROPOSED BOX TYPE N=41 SHEETPILE WALL (TYPE A) SHEETPILE WALL (TYPE A) SHEETPILE WALL (TYPE A) _____ N=64 -20.0 -20.0 N=60 N=70 MIN TOE LEVEL MIN TOE LEVEL MIN TOE LEVEL -23.00 -23.00 -23.00 N=62 $\neg \bigtriangledown$ N=75 CDG N=85 N=85 -25.0 -25.0 N=73 N=73



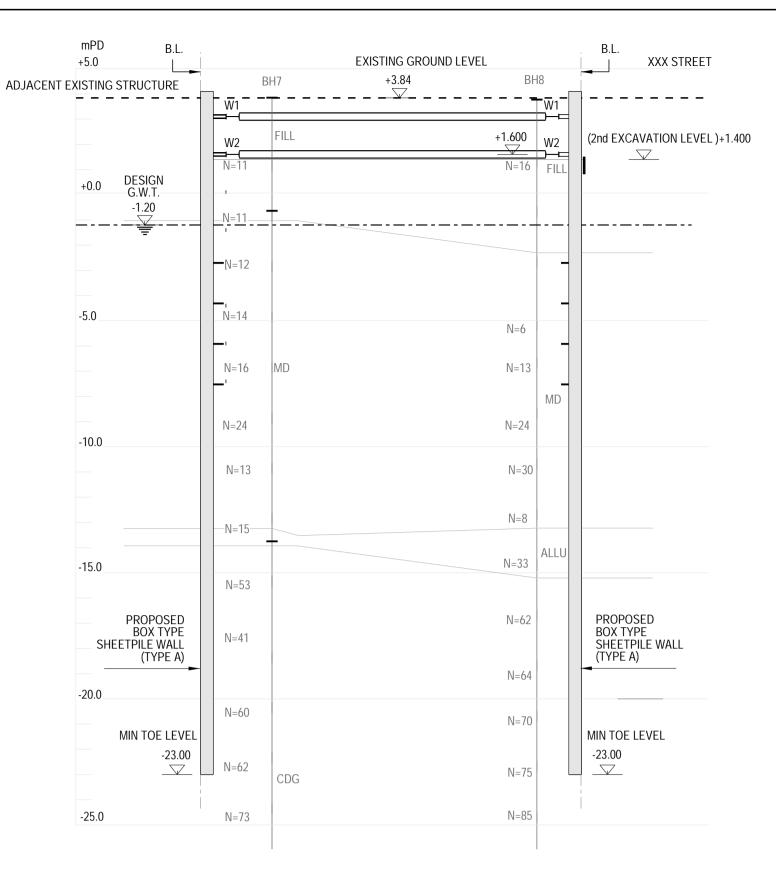
1. DEWATER AND EXCAVATE TO -1.60mPD. INSTALLATION OF THE 4th LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE A & AA (REFER TO STRUT PRELOAD SCHEDULE IN DWG. NO.: E001)

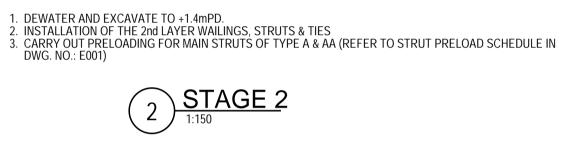
STAGE '

DWG. NO.: E001.)

			EXISTING GROUND LEVEL	_		B.L.	XXX STREE	T
	BI	H7	+3.84	BH				
=	⊒(+3.100		(1st EXCA		_)+2.900
	N=11	FILL		N=16	FILL			
	N=11							
	N=12							
	N=14			N=6				
-	N=16	MD		N=13	MD			
_	N=24			N=24				
	N=13			N=30				
	-N=15			N=8				
	N=53			N=33	ALLU			
	N=41			N=62		PROPO BOX TY SHEETF (TYPE A	SED PE PILE WALL A)	
				N=64			<u> </u>	
	N=60			N=70		MIN TOE	LEVEL	
	N=62	CDG		N=75		-23.00		

DEWATER AND EXCAVATE TO +2.90mPD.
 INSTALLATION OF THE 1st LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A, B & C (REFER TO STRUT PRELOAD SCHEDULE IN DUC NO. FORT





BOUNDARY LINE _ - _ FILL FILL COMPLETELY DECOMPOSED GRANITE CDG HIGHLY DECOMPOSED GRANITE IV MODERATELY DECOMPOSED GRANITE ||| SLIGHTLY DECOMPOSED GRANITE 11 N=28 SPT N VALUE PROPOSED SHEET PILE – PROPOSED WALING PROPOSED SHORT STRUT ---– PROPOSED STRUT – PROPOSED EXCAVATION PROFILE

LEGEND AND NOTES:

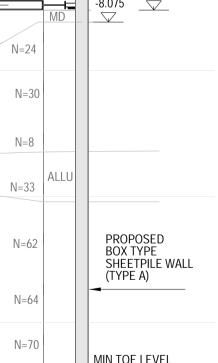
TF	AMENDMENT
HOWN	
	REV. NO.
00.000000 (/)	
	N) x 40mm (H) space IPANY LOGO
for COM	IPANY LOGO
for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space SE/RGE's
for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space
for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space SE/RGE's
for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
for COM 90mm (\ for AP/R	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO N) x 60mm (H) space 2SE/RGE's
90mm (\ for AP/R signature	IPANY LOGO
90mm (\ for AP/R signature . USE	IPANY LOGO N) x 60mm (H) space SE/RGE's e/ and stamp chop N) x 150mm (H) space approval stamp /
90mm (\ for AP/R signature . USE 90mm (\ for BD's certificat approve	<pre>// IPANY LOGO // X 60mm (H) space // SE/RGE's // and stamp chop // x 150mm (H) space approval stamp / ion of copies of d plans</pre>
90mm (\ for AP/R signature . USE 90mm (\ for BD's certificat approve	<pre>// IPANY LOGO // X 60mm (H) space // SE/RGE's // and stamp chop // x 150mm (H) space approval stamp / ion of copies of</pre>
90mm (\ for AP/R signature . USE 90mm (\ for BD's certificat approve	<pre>// IPANY LOGO // X 60mm (H) space // SE/RGE's // and stamp chop // x 150mm (H) space approval stamp / ion of copies of d plans</pre>
90mm (\ for AP/R signature . USE 90mm (\ for BD's certificat approve	<pre>// IPANY LOGO // X 60mm (H) space // SE/RGE's // and stamp chop // x 150mm (H) space approval stamp / ion of copies of d plans</pre>
90mm (\ for AP/R signature . USE 90mm (\ for BD's certificat approve	<pre>// IPANY LOGO // X 60mm (H) space // SE/RGE's // and stamp chop // x 150mm (H) space approval stamp / ion of copies of d plans</pre>
	E TION & UCTIO





N=85

N=60 N=70 MIN TOE LEVEL MIN TOE LEVEL -23.00 N=62 N=75 CDG



(8th EXCAVATION LEVEL) -7.60 -8.075

(4th EXCAVATION LEVEL) -1.60

XXX STREET

B.L

-

BH8

N=6

W8

-7.40 N=13



EXISTING GROUND LEVEL

+3.84

- PROPOSED FINAL EXCAVATION PROFILE

DWG. NO.: E001)

BH7

FILL

W2

N=24

N=13

—N=15—

N=53

N=41

N=73

-10.325

mPD

+5.0

ADJACENT EXISTING STRUCTURE

+0.0

-5.0

-10.0

-15.0

-20.0

-25.0

PROPOSED BOX TYPE

-23.00

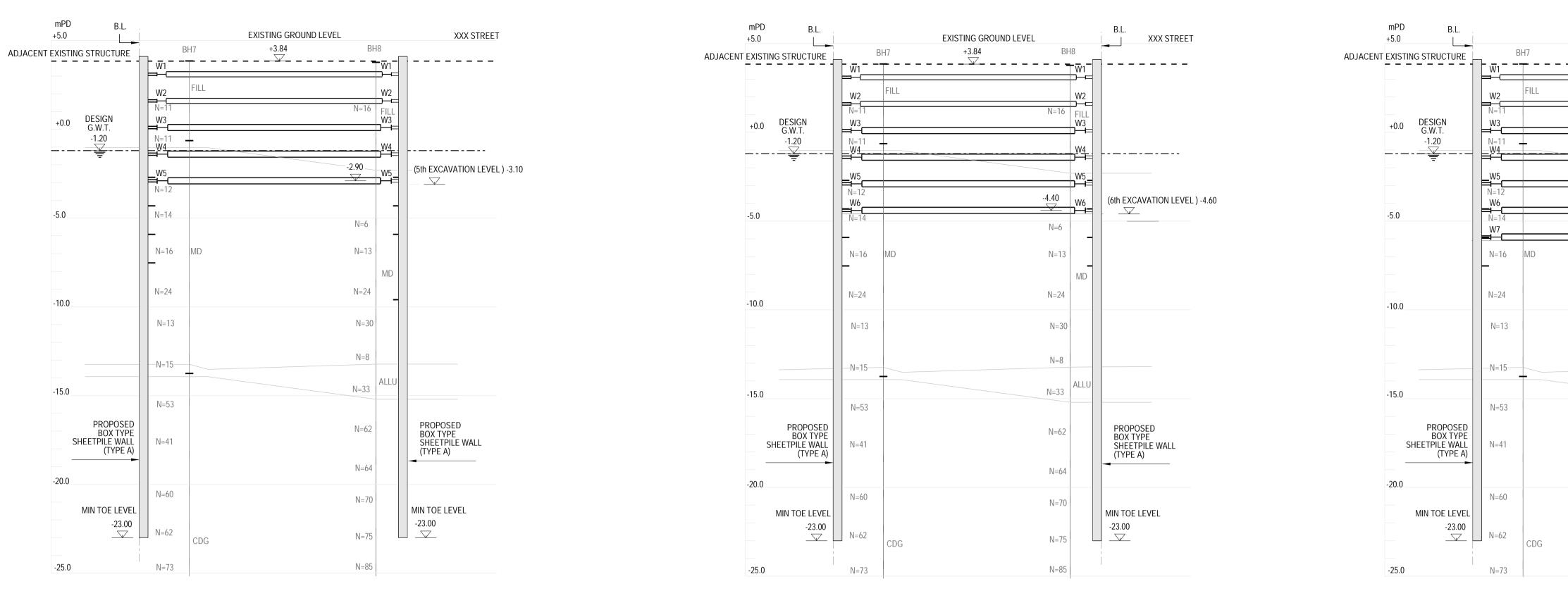
SHEETPILE WALL (TYPE A)

DESIGN G.W.T.

_-----

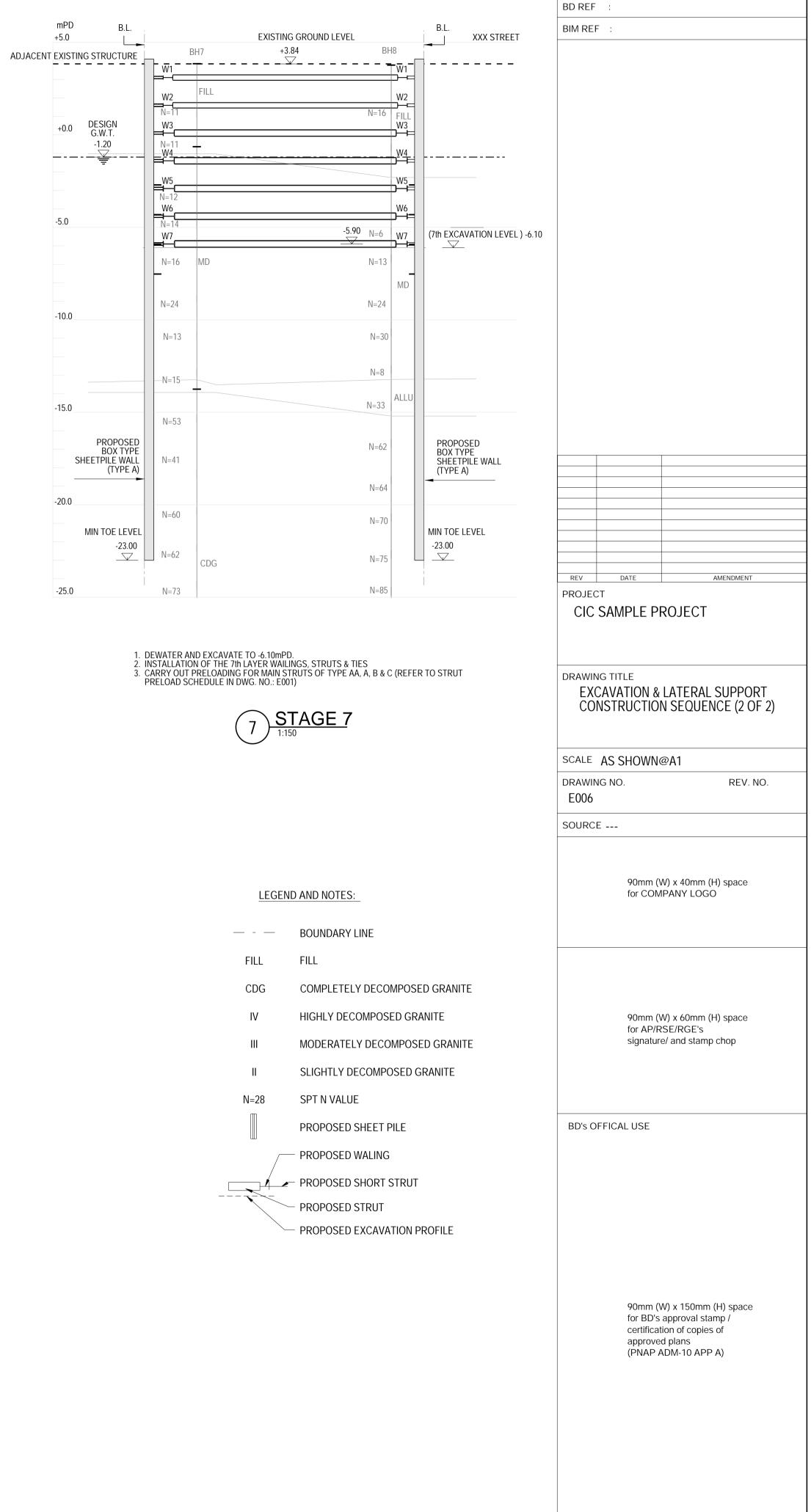
-1.20

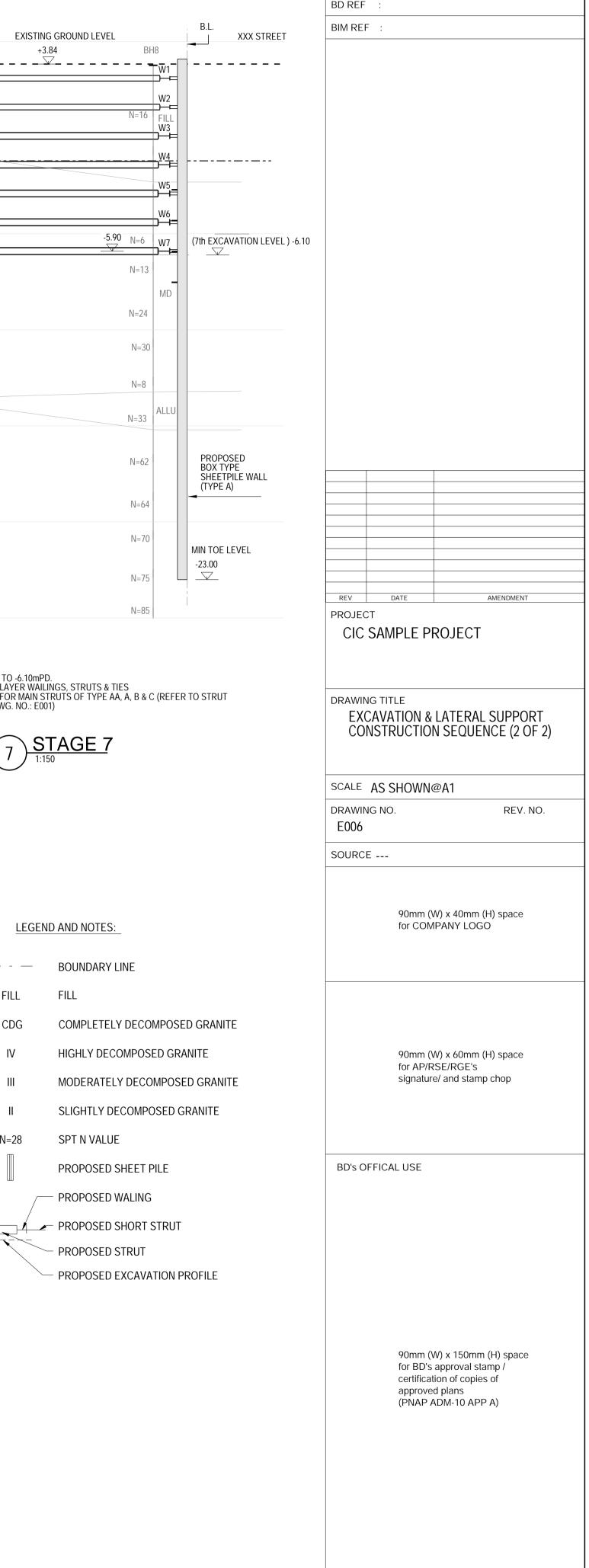
DEWATER AND EXCAVATE TO -3.10mPD.
 INSTALLATION OF THE 5th LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A, B & C (REFER TO STRUT PRELOAD SCHEDULE IN COMPACT FOR THE STRUT PRELOAD SCHEDULE FOR THE STRUT PRELOAD SCHEDULE FOR THE STRUT PRELOAD SCHEDULE FOR THE SCHEDULE FOR THE STRUT PRELOAD SCHEDULE FOR THE SCHEDULE FOR THE

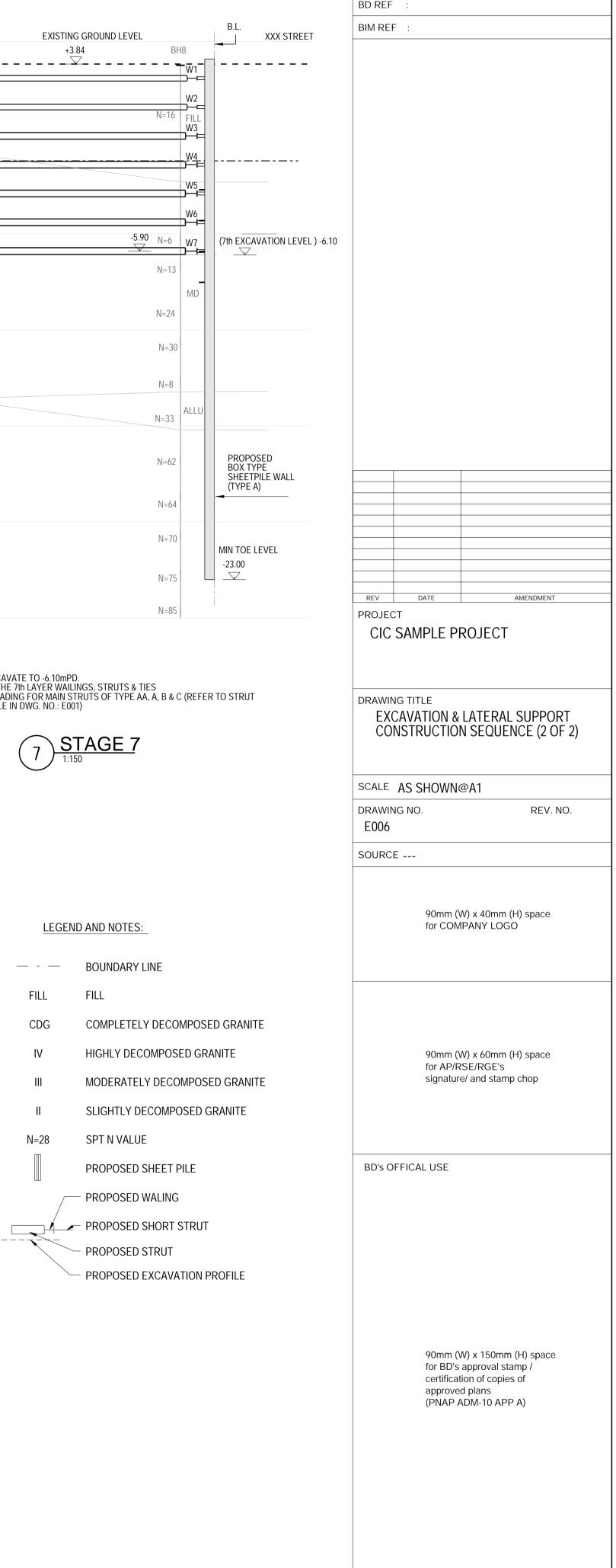


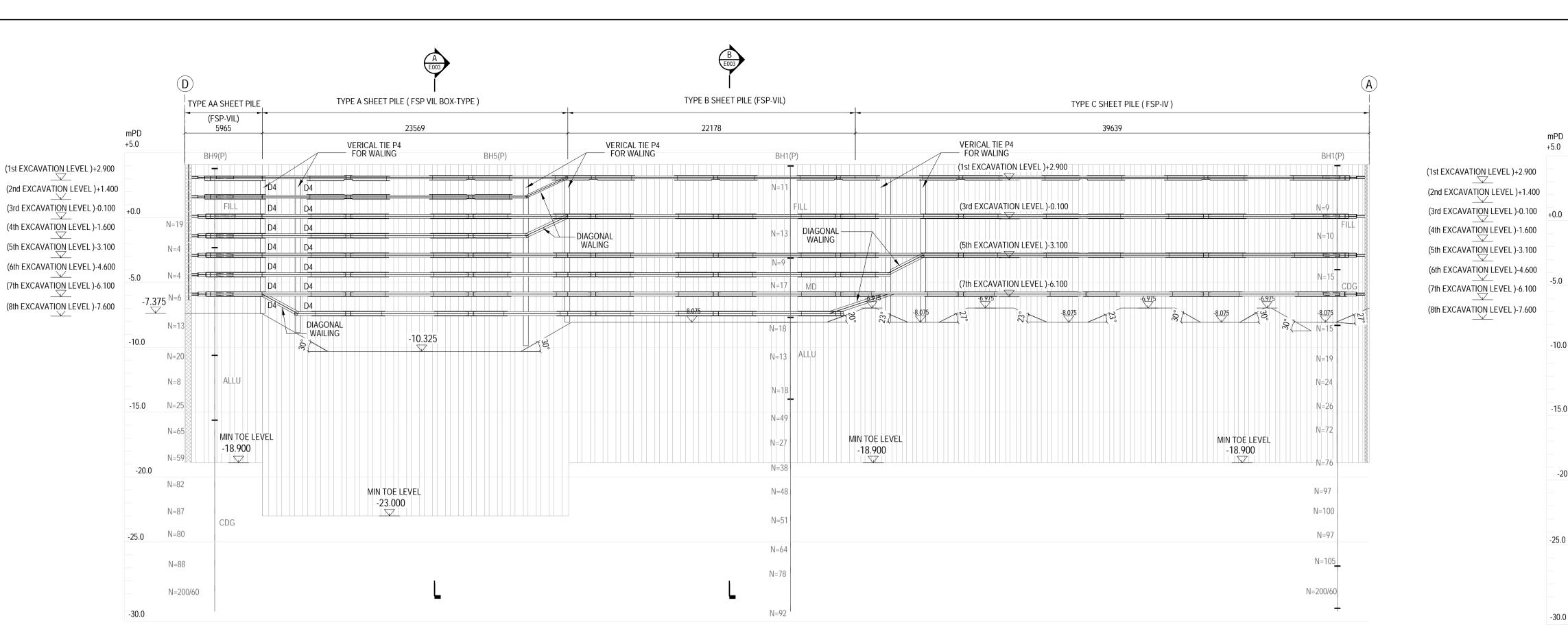
 DEWATER AND EXCAVATE TO -4.60mPD.
 INSTALLATION OF THE 6th LAYER WAILINGS, STRUTS & TIES
 CARRY OUT PRELOADING FOR MAIN STRUTS OF TYPE AA, A & B (REFER TO STRUT PRELOAD SCHEDULE IN STRUCTURE TO TAKE. DWG. NO.: E001)

6 STAGE 6

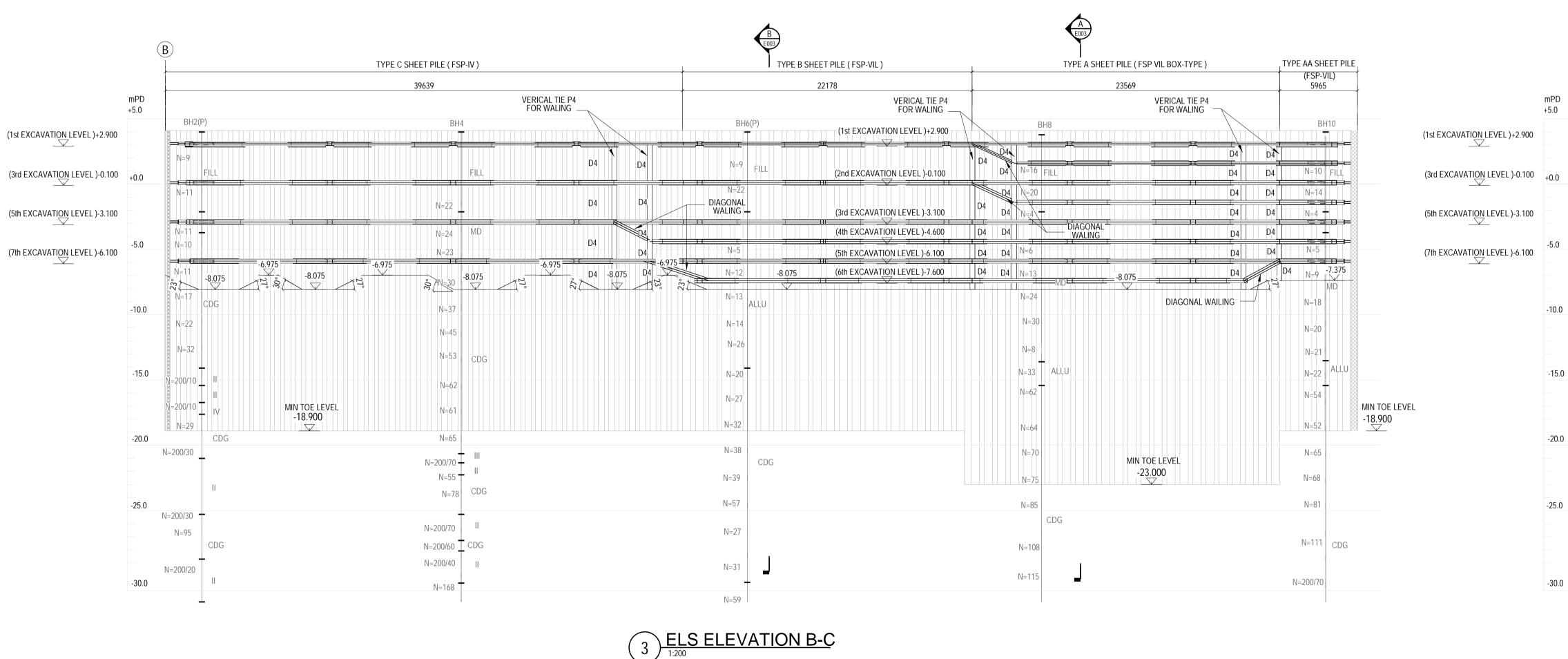


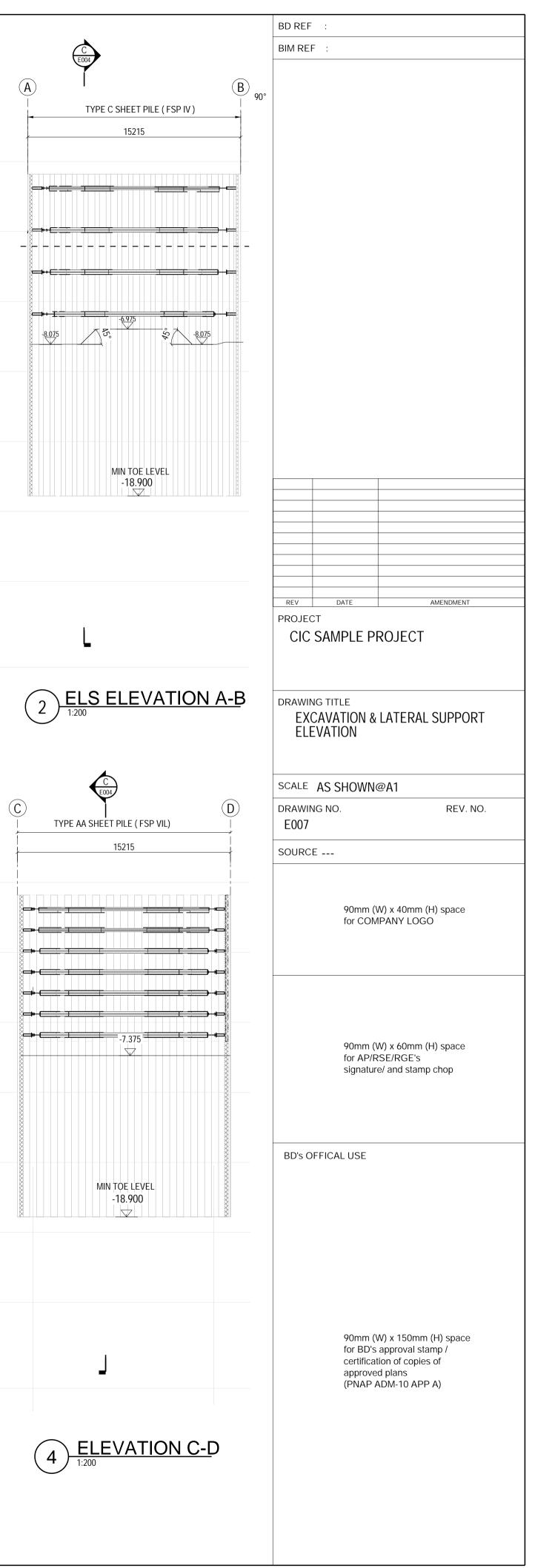






1) ELS ELEVATION D-A





mPD

+5.0

-5.0

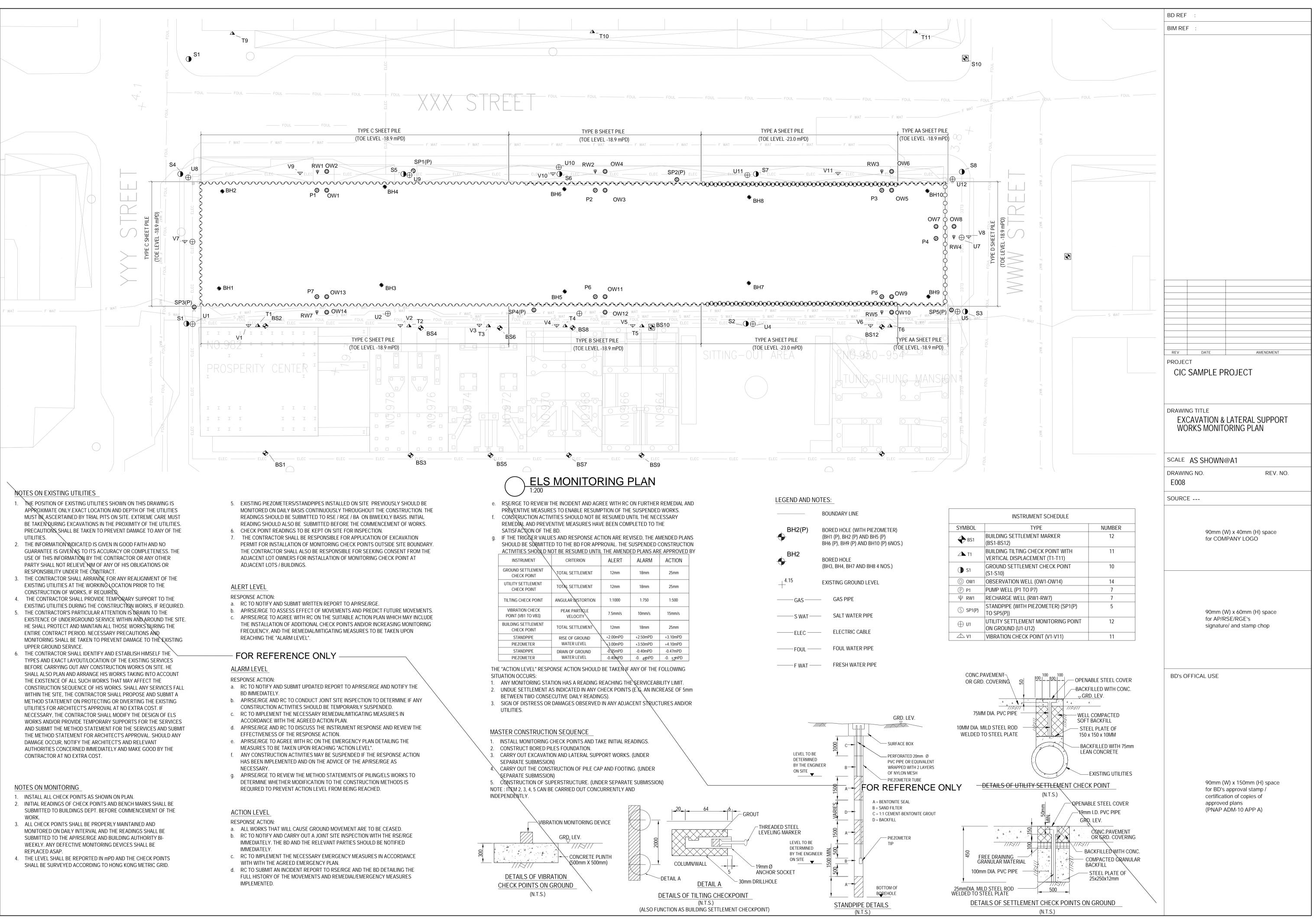
-10.0

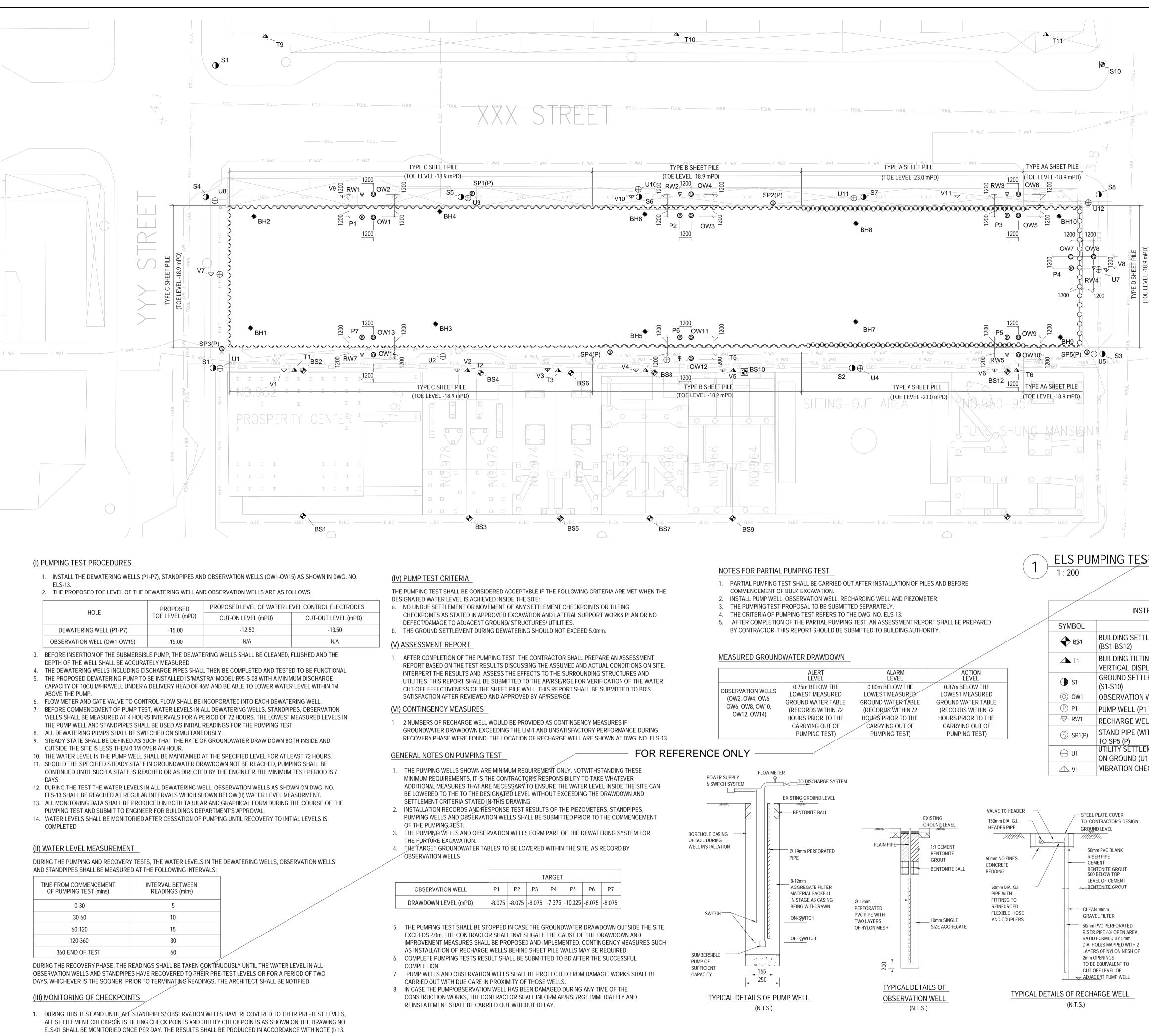
-15.0

-20.0

-25.0

-30.0



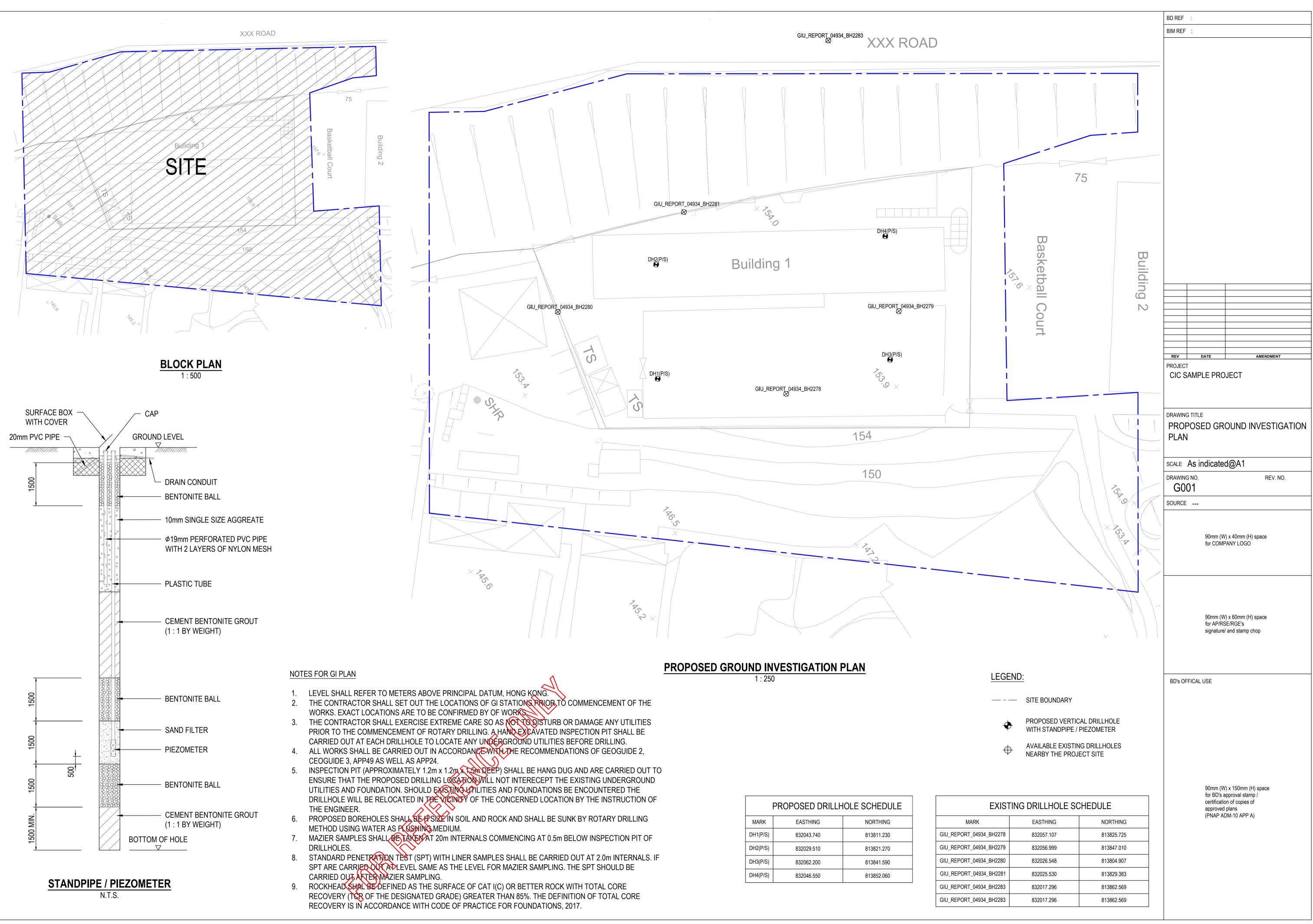


HOLE	PROPOSED	PROPOSED LEVEL OF WATER LEVEL CONTROL ELECTRODES				
HOLE	TOE LEVEL (mPD)	CUT-ON LEVEL (mPD)	CUT-OUT LEVEL (mPD)			
DEWATERING WELL (P1-P7)	-15.00	-12.50	-13.50			
OBSERVATION WELL (OW1-OW15)	-15.00	N/A	N/A			

TIME FROM COMMENCEMENT OF PUMPING TEST (mins)	INTERVAL BETWEEN READINGS (mins)
0-30	5
30-60	10
60-120	15
120-360	30
360-END OF TEST	60

			I	ARGE
OBSERVATION WELL	P1	P2	P3	P4
DRAWDOWN LEVEL (mPD)	-8.075	-8.075	-8.075	-7.37

			BD REF :
			BIM REF :
			-
117		FOUL FOUL	_
F WAT	FOUL	FOUL	
	F WAT		
			_
r.			-
	F WAT		-
(TOE LEVEL -18.9 mPD)	WAT		
(TOE	F WAT		
\mathbb{N}			-
\leq			
	/AT	S WAT	
S W	VAT		
	WAT		REV DATE AMENDMENT
			PROJECT
			CIC SAMPLE PROJECT
	FWA		
			EXCAVATION & LATERAL SUPPORT WORKS PUMPING TEST SETTING OUT
	WAT		PLAN
			SCALE AS SHOWN@A1
			DRAWING NO. REV. NO.
	TING OU	ΤΡΙΔΝ	E009
			SOURCE
ISTRUMENT S	SCHEDULE		90mm (W) x 40mm (H) space for COMPANY LOGO
ISTRUMENT S	SCHEDULE	NUMBER	
		NUMBER 12	
TYPE TTLEMENT M	I ARKER	12	
TYPE TTLEMENT M TING CHECK. SPLACEMEN	/ARKER (POINT WITH IT (T1-T11)		
TYPE TTLEMENT M	/ARKER (POINT WITH IT (T1-T11)	12	
TYPE TTLEMENT M TING CHECK. SPLACEMEN	Marker C Point With It (T1-T11) Heck Pont	12 11	for COMPANY LOGO 90mm (W) x 60mm (H) space
TYPE TTLEMENT N TING CHECK SPLACEMEN TTLEMENT CH DN WELL (OW (P1 TO P7)	Marker (Point With It (t1-t11) Heck Pont /1-ow14)	12 11 10 14 7	for COMPANY LOGO
TYPE TTLEMENT W TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R	Marker (Point With It (t1-t11) Heck Pont /1-ow14)	12 11 10 14 7 7 7	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
TYPE TTLEMENT W TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R	Marker (Point With It (t1-t11) Heck Pont /1-ow14)	12 11 10 14 7 7 7	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
TYPE TTLEMENT W TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF	Marker (Point With It (t1-t11) Heck Pont /1-ow14)	12 11 10 14 7 7 7 5	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
TYPE TTLEMENT N TING CHECK SPLACEMEN TTLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOI	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (XW7) METER) (SP1(P) NITORING POIN	12 11 10 14 7 7 7 5	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT M TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZON LEMENT MO (U1-U2)	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (XW7) METER) (SP1(P) NITORING POIN	12 11 10 14 7 7 7) 5 NT 12	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's
TYPE TTLEMENT M TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2)	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (XW7) METER) (SP1(P) NITORING POIN	12 11 10 14 7 7 7) 5 NT 12	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT W TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (XW7) METER) (SP1(P) NITORING POIN	12 11 10 14 7 7 5 JT 12 11	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT W TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	ARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) NITORING POIN (V1-V11)	12 11 10 14 7 7 5 JT 12 11	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT W TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) METER) (SP1(P) NITORING POIN (V1-V11) (V1-V11) (C1-V11)	12 11 10 14 7 7 5 JT 11 12 14 7 14 7 11 TES: BOUNDARY LINE	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT M TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	ARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) NITORING POIN (V1-V11)	12 11 10 14 7 7 5 JT 11 12 14 7 14 7 14 7 11 TES: BOUNDARY LINE BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P)	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT M TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) METER) (SP1(P) NITORING POIN (V1-V11) (V1-V11) EGEND AND NO BH2(P)	12 11 10 14 7 7 7 7 11 12 13 14 7 14 14 7 11 11 TES: BOUNDARY LINE BORED HOLE (WITH PIEZOMETER)	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT M TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) METER) (SP1(P) NITORING POIN (V1-V11) (V1-V11) (V1-V11) (V1-V11) (V1-V11) (V1-V11)	12 11 10 14 7 7 7 7 7 11 12 14 7 14 7 12 11 12 11 <t< td=""><td>for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop</td></t<>	for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
TYPE TTLEMENT M TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) (V1-V11) (V1-V11) (V1-V11) (V1-V11) BH2(P) BH2	12 11 10 14 7 7 7 7 7 11 12 14 7 14 7 12 11 <t< td=""><td>90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space</td></t<>	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) METER) (SP1(P) NITORING POIN (V1-V11) (V1-V11) EGEND AND NO BH2(P)	12 11 10 14 7 7 7 7 7 11 12 14 7 14 7 12 11 12 11 <t< td=""><td>90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of</td></t<>	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-V11) (V1-V11) (V1-V11) BH2(P) BH2(P) BH2 4.15	12 11 10 14 7 7 5 JT 12 11 80RED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.)	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) (V1-V11) (V1-V11) (V1-V11) (V1-V11) BH2(P) BH2 4.15 	12 11 10 14 7 7 5 1 12 14 7 5 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL GAS PIPE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CH N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-V11) (V1-V11) (V1-V11) BH2(P) BH2(P) BH2 4.15	12 11 10 14 7 7 5 1 12 14 7 5 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL GAS PIPE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CI N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) (V1-V11) (V1-V11) (V1-V11) (V1-V11) BH2(P) BH2 4.15 	12 11 10 14 7 7 7 7 7 7 7 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL GAS PIPE SALT WATER PIPE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CI N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-V11) (V1-V11) (V1-V11) EGEND AND NO BH2(P) BH2 4.15 GAS 	12 11 10 14 7 7 7 5 11 12 13 14 7 14 7 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL - GAS PIPE - SALT WATER PIPE - ELECTRIC CABLE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CI N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-W14) (V1-V11) (V1-V11) (V1-V11) EGEND AND NO BH2(P) BH2 H2 BH2(P) BH2 	12 11 10 14 7 7 7 7 7 7 7 12 17 12 14 7 7 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL - GAS PIPE - SALT WATER PIPE - ELECTRIC CABLE - FOUL WATER PIPE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CI N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER (POINT WITH IT (T1-T11) HECK PONT /1-OW14) (V1-V11) (V1-V11) (V1-V11) EGEND AND NO BH2(P) BH2 4.15 GAS 	12 11 10 14 7 7 5 11 12 7 5 11 12 13 14 7 7 5 NT 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL - GAS PIPE - SALT WATER PIPE - ELECTRIC CABLE - FOUL WATER PIPE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
TYPE TTLEMENT N TING CHECK SPLACEMEN TLEMENT CI N WELL (OW (P1 TO P7) VELL (RW1-R (WITH PIEZOF LEMENT MO (U1-U2) CHECKPOINT	MARKER C POINT WITH IT (T1-T11) HECK PONT /1-OW14) 22W7) METER) (SP1(P) NITORING POIN (V1-V11) CGEND AND NO BH2(P) BH2(P) BH2 A.15 GAS 	12 11 10 14 7 7 5 11 12 7 5 11 12 13 14 7 7 5 NT 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 11 12 13 14 15 BORED HOLE (WITH PIEZOMETER) (BH1 (P), BH2 (P) AND BH5 (P) BH6 (P), BH9 (P) AND BH10 (P) 6NOS.) BORED HOLE (BH3, BH4, BH7 AND BH8 4 NOS.) EXISTING GROUND LEVEL - GAS PIPE - SALT WATER PIPE - ELECTRIC CABLE - FOUL WATER PIPE	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans



PROPOSED DRILLHOLE SCHEDULE							
MARK	EASTHING	NORTHING					
DH1(P/S)	832043.740	813811.230					
DH2(P/S)	832029.510	813821.270					
DH3(P/S)	832062.200	813841.590					
DH4(P/S) 832046.550 813852.060							

	EXIST
MARK	
GIU_REPORT_04934_	_BH2278
GIU_REPORT_04934_	_BH2279
GIU_REPORT_04934_	BH2280
GIU_REPORT_04934_	_BH2281
GIU_REPORT_04934_	_BH2283
GIU_REPORT_04934_	BH2283



SITE FORMATION BLOCK PLAN NTS.

NOTES

- 1. THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING FACILITIES AND DRAINAGE SYSTEM WITHIN AND NEARBY THE SITE UNLESS OTHERWISE INSTRUCTED BY THE SUPERVISOR.
- 2. ANY UTILITIES SHOWN ON THIS PLAN ARE INDICATIVE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE EXACT LOCATIONS AND ALIGNMENT ON SITE.
- 3. IF THE CUT SLOPE TO BE LAST FOR MORE THAN A YEAR, SHOTCRETE OR SIMILAR SLOPE SURFACE PROTECTIVE MEASURE SHALL BE APPLIED.
- 4. TEMPORARY DRAINAGE REFER TO TEMPORARY DRAINAGE MANAGEMENT PLAN.
- 5. IF THE LOADING OR GROUNDWATER CONDITIONS ARE DEVIATED FROM THE DESIGN ASSUMPTIONS, FURTHER DESIGN OR CHECKING SHALL BE REQUIRED TO CONFIRM THE MAXIMUM CUT SLOPE ANGLE.
- 6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND THE PARTICULAR REQUIREMENTS WHICH ARE SHOWN ON INDIVIDUAL DRAWINGS.
- 7. UNLESS OTHERWISE SPECIFIED, THESE GENERAL NOTES ARE APPLICABLE TO ALL GEOTECHNICAL WORKS OF SITE FORMATION.
- 8. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS 2006 OR OTHERWISE SPECIFIED.
- 9. THE BOTTOM OF THE EXCAVATION SHALL BE KEPT DRY. WATERFLOW INTO THE EXCAVATION SHALL BE PUMPED TO SAFE DISCHARGE POINT TO AVOID PONDING AT BASE OF EXCAVATION.
- 10. ALL EXCAVATION WORK SHALL NOT REDUCE THE REQUIRED STABILITY OF THE SLOPE 11. IF DURING EXECUTION OF THE WORKS, THE GROUND CONDITIONS ARE FOR TO RE SUBSTANTIALLY DIFFERENT FROM THE DESIGN, THE ENGINEER MAY CHANGE THE DESIGN AND THE EXTENT OF THE WORKS IN ORDER TO ADDRESS THE ACTUAL PROVIDE ON DECEMBER OF THE WORKS IN ORDER TO ADDRESS THE ACTUAL PROVIDE OF THE WORKS IN OTHER TO ADDRESS THE ACTUAL PROVIDE OF THE WORKS IN OTHER TO ADDRESS THE ACTUAL PROVIDE OF THE WORKS IN OTHER TO ADDRESS THE ACTUAL PROVIDE OF THE WORKS IN OTHER TO ADDRESS THE ACTUAL PROVIDE OF THE ACTUAL PROVI
- 12. DURING THE EXECUTION OF WORKS, RECORDS SHALL BE SUBRITISD TO THE ENONELS OF THE GROUND ENCOUNTERED. THESE RECORDS SHALL INCLODE THE LEVELS OF SOLLAND ROCK ACROSS THE SLOPE FACE, THE OCCURRENCE OF GROUNDWATER AND THE LOCATIONS OF ANY VOIDS OR WEAK OR WET GROUN
- 13. REGULAR CLEAN-UP OF DIESEL AND OIL SPILLS SHALL BE CARRED OUT TO PREVENT CONTAMINATION OF SURFACE DRAINAGE WATE

DIMENSIONS, LEVELS & SETTING-OUT

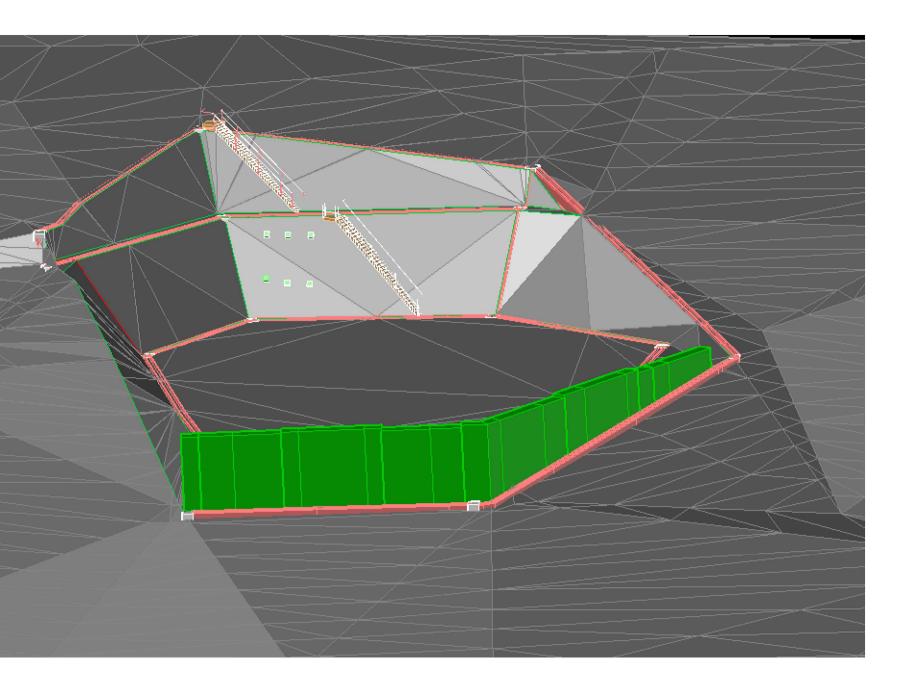
- 1. COORDINATES ARE BASED ON HONG KONG METRIC GRID (1980) UNLESS OTHERWISE SPECIFIED.
- 2. LEVELS ARE IN METRES RELATIVE TO HONG KONG PRINCIPAL DATUM (mPD) UNLES OTHERWISE SPECIFIED.
- 3. DIMENSIONS ARE N MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ETTING OUT DWENS ONS, LEVELS, COORDINATES ARE TO BE CALCULATED BY THE CONTRACTOR. NO INFORMATION SHOULD BE SCALED PHYSICALLY OR ELECTRONICALLY FROM THE DRAWINGS OR FILES.
- SENTING OUT OF ALL SLOPES SHALL BE VERIFIED BY THE CONTRACTOR AND AGREND WITH THE ENGINEER ON SITE.

UTILITIES

- PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRAC THE EXACT LOCATIONS OF THE EXISTING UTILIZES AFFECTING OR TO BE AFFECTED BY THE WORKS USING INSPECTION PITS OR OTHER MEANS AS RECOMMENDED BY THE RELEVANT UTILITY / SERVICES COMPANIES OR PARTIES CONCERNED.
- 2. THE CONTRACTOR SHALL EXERCISE EXTREME CARE NOT TO DAMAGE ANY EXISTING UTLITIES OR SERVICES WITHIN OK IN THE VICINITY OF THE WORKS SITE AND WORKS UTLITIES OR SERVICES WITHIN OR IN THE MCINITY OF THE WORKS SITE AND WORKS AREA AND SHALL PROVIDE NECESSARY REOTECTION AND SUPPORT TO THE EXISTING UTLITIES OR SERVICES ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT OF UTILITY / BERVICES COMPANIES OR PARTIES CONCERNED DURING THE EXECUTION WORKS. SHOULD ANY DAMAGE OCCUR TO THE UTILITIES / SERVICES DUE TO THE THE WORKS. SHOULD ANY DAMAGE OCCUR TO THE UTILITIES / SERVICES DUE TO THE CONTRACTOR'S WORKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST INCURRED FROM THE DAMAGE.

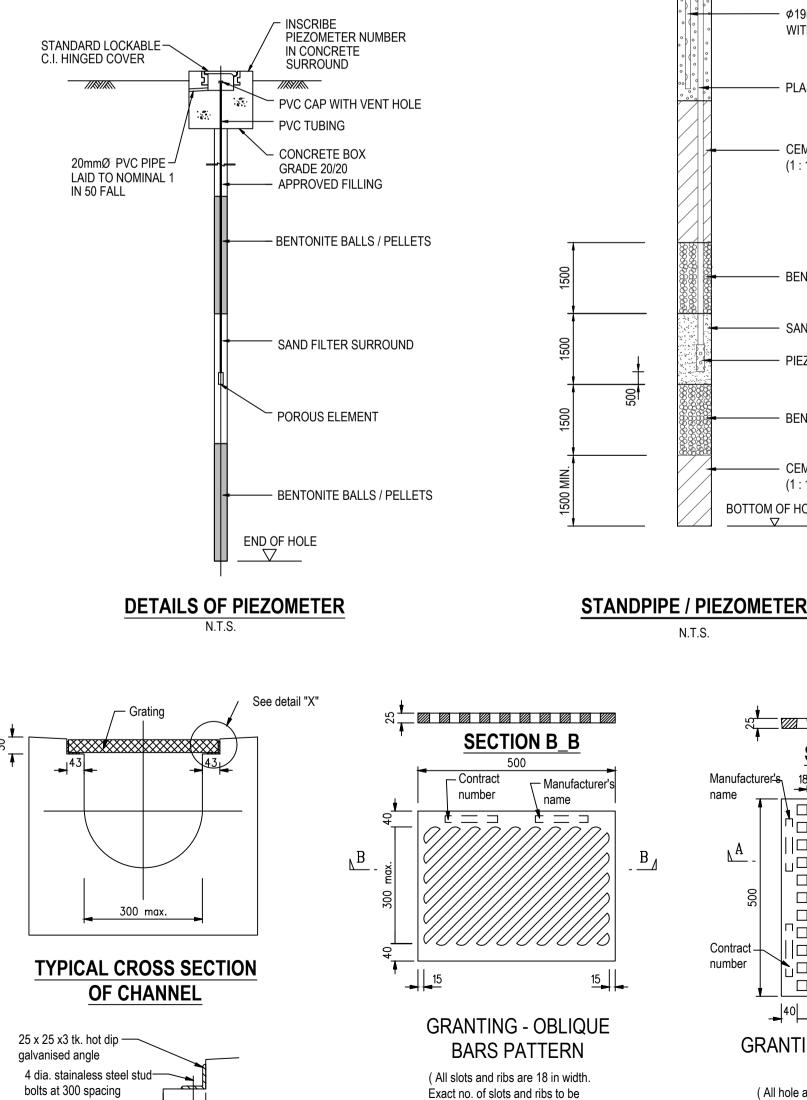
THE PROTECTION OF EARTHWORKS AGAINST HEAVY RAINFALL

- SURFACE WATER FLOWING INTO THE SITE FROM UPHILL SHALL BE INTERCEPTED AND CONDUCTED FROM THE SITE TO SAFE DISCHARGE POINT. AT EACH NTERSECTION AND ABRUPT CHANGE IN DIRECTION OF SURFACE DRAINAGE CHANNELS AN ACCESSIBLE CATCHPIT SHALL BE PROVIDED, ALL DRAINAGE NORKS CHALL BE KEPT CLEAR OF DEBRIS.
- WHERE PARTIALLY COMPLETED DRAINAGE WORKS DISCHARGE WITHIN THE SITE, A TZMPORARY CONDUIT SHALL BE PROVIDED TO THE DISCHARGE POINT.
- 3 ALL EARTHWORKS SHALL BE GRADED AND SEALED TO ENSURE RUN-OFF AND TO AVOID PONDING.
- SOIL IS EXPOSED AT ANY TIME. EARTHWORK TO FORM THE FINAL FACE SHALL BE FOLLOWED UP IMMEDIATELY WITH SURFACE PROTECTION AND DRAINAGE WORKS AND THE FACE PANEL SIZE SHALL BE ENOUGH TO PERMIT THIS.
- 5. EXCAVATION SHALL NOT BE LEFT OPEN ON OR ADJACENT TO SLOPES.
- 6. IF TRENCHES ON OR ADJACENT TO SLOPE HAVE TO BE EXCAVATED DURING THE WET SEASON, THIS SHALL BE DONE WITH EXTREME CARE IN SHORT SECTIONS AT A TIME. PRECAUTIONS SHALL ALWAYS BE TAKEN TO PREVENT WATER FROM ENTERING AND COLLECTING IN THE TRENCH.
- 7. WHERE TEMPORARY BARE EARTH SLOPE FACES ARE UNAVOIDABLE, THEY SHALL BE PROTECTED WITH IMPERMEABLE SHEETING WELL-SECURED AGAINST THE WIND. WHERE SLOPE FACES ARE TO BE TEMPORARILY EXPOSED FOR MORE THAN TWO WEEKS TEMPORARY HARD SURFACING SHALL BE PROVIDED AND TEMPORARY DRAINS SHALL BE INSTALLED.



OVERVIEW IN 3D (FOR INFORMATION ONLY) NTS.

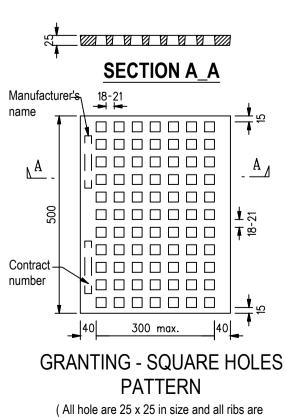
A METHOD OF WORKING SHALL BE ADOPTED IN WHICH THE MINIMUM OF BARE



43

DETAIL "X" (Scale 1:5)

adjusted to suit channel width)



of equal width. Exact no. of holes and ribs to be adjusteed to suit channel width)

(1:1 BY WEIGHT) BOTTOM OF HOLE

 ∇

BENTONITE BALL

- CEMENT BENTONITE GROUT

PIEZOMETER

- SAND FILTER

(1:1 BY WEIGHT)

- CEMENT BENTONITE GROUT

 DRAIN CONDUIT BENTONITE BALL - 10mm SINGLE SIZE AGGREATE

- PLASTIC TUBE

BENTONITE BALL

WITH 2 LAYERS OF NYLON MESH

GROUND LEVEL

SURFACE BOX WITH COVER

20mm PVC PIPE

AMENDMENT REV PROJECT CIC SAMPLE PROJECT DRAWING TITLE SITE FORMATION BLOCK PLAN SCALE As indicated@A1 DRAWING NO. REV. NO. T001 SOURCE ---90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop **BD's OFFICAL USE**

> 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)

BD REF

BIM REF

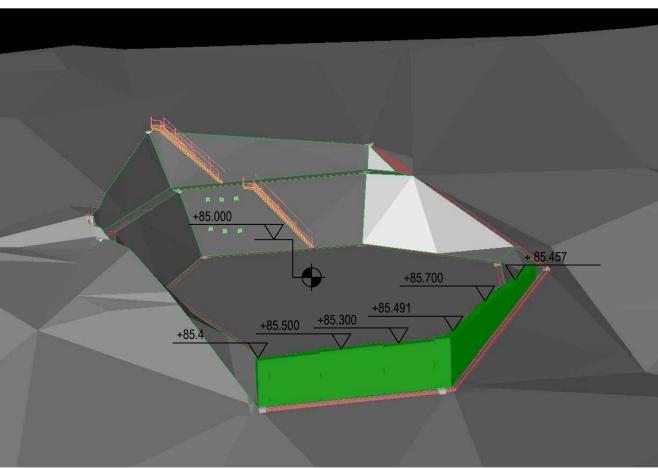
LEGEND:

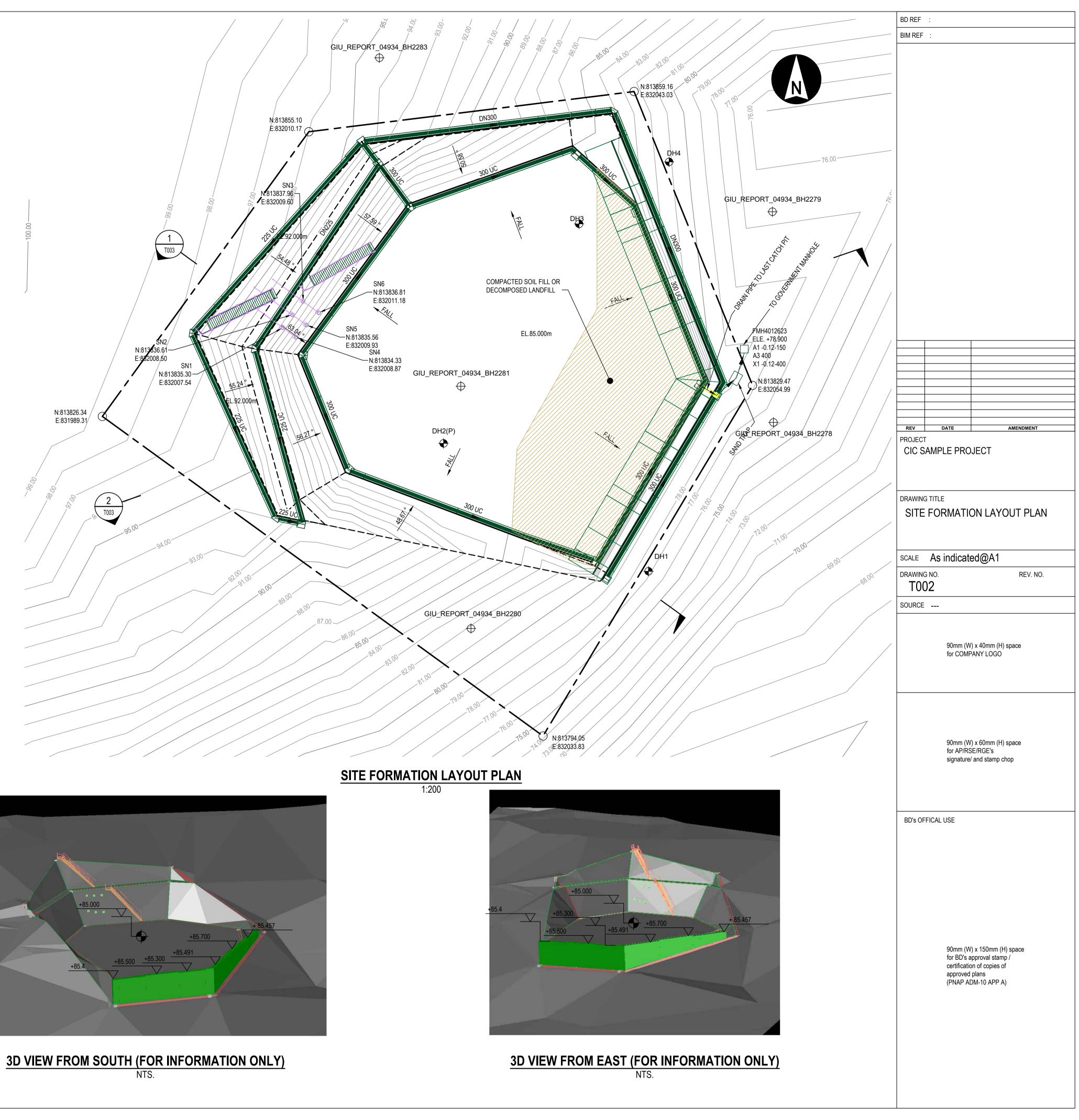
	SITE BOUNDARY
EL. +5.00	SLOPE BERM / PLATFORM LEVEL
225UC	U-CHANNEL
	RETAINING WALL
	CATCHPIT WITHOUT COVER
□ sn	SOIL NAIL
F F	SOIL CUT SLOPE
Y Y	SOIL FILL SLOPE
▼ ▼	ROCK CUT SLOPE
ŢŢ	ROCK FILL SLOPE
150 151	EXISTING GROUND PROFILE
150 151	FINAL SITE FORMATION LEVEL
DH1	PROPOSED VERTICAL DRILLHOLE WITH STANDPIPE / PIEZOMETER
DH2 Ф	AVAILABLE EXISTING DRILLHOLES NEARBY THE PROJECT SITE

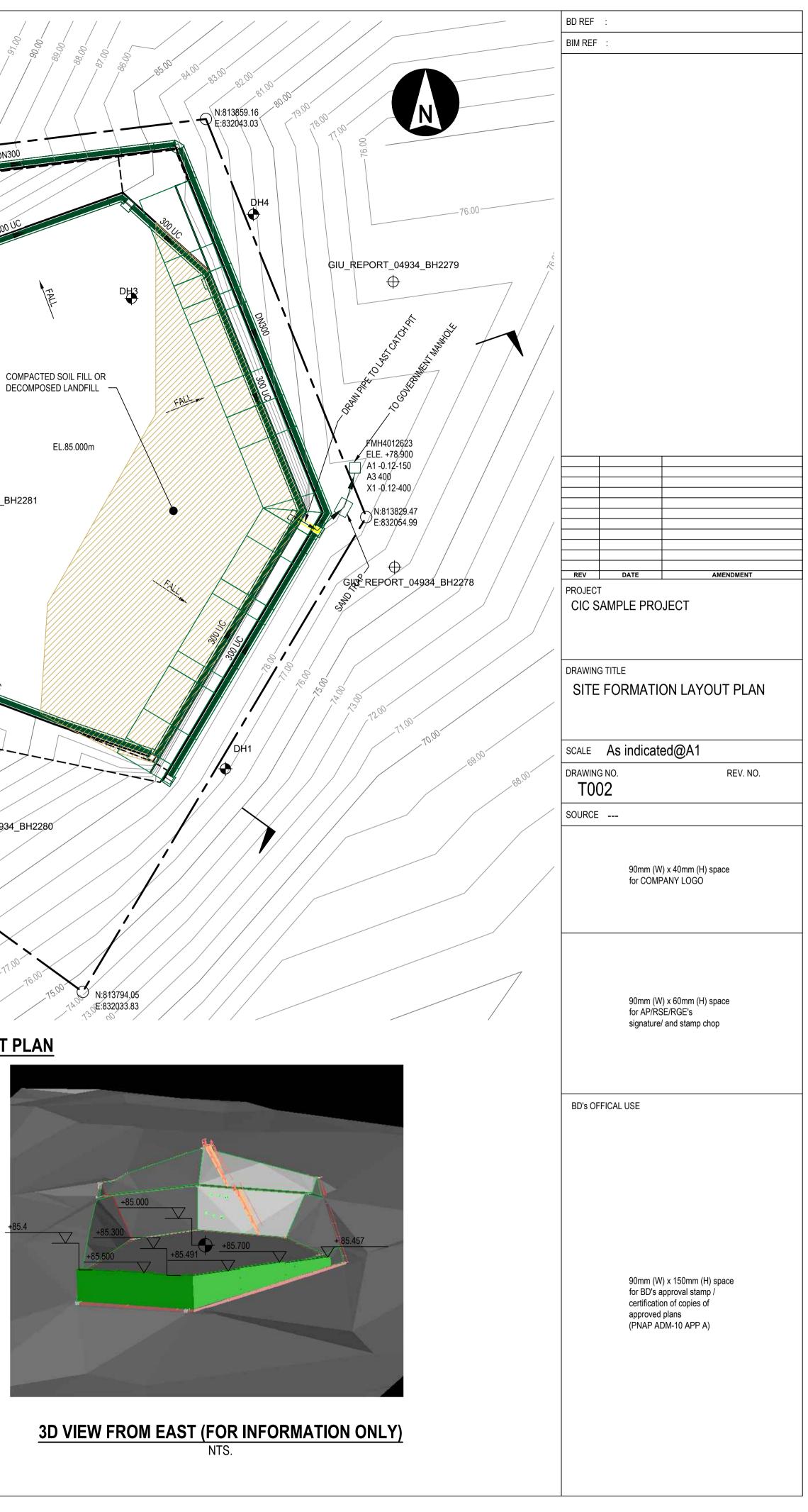
	SOIL NAIL SCHEDULE									
MARK	EASTING	NORTHING	ELEVATION (mPD)	SOIL NAIL DIA.	SOIL NAIL	DESCRIPTION				
SN1	832007.543	813835.295	90.856	50	20.00°	Type Nail Head_400x400, Dia 50mm, Inclination(Degree) 20.00, L = 4000				
SN2	832008.495	813836.607	90.751	50	20.00°	Type Nail Head_400x400, Dia 50mm, Inclination(Degree) 20.00, L = 5000				
SN3	832009.604	813837.956	90.741	50	20.00°	Type Nail Head_400x400, Dia 50mm, Inclination(Degree) 20.00, L = 4000				
SN4	832008.869	813834.333	87.817	50	20.00°	Type Nail Head_400x400, Dia 50mm, Inclination(Degree) 20.00, L = 4000				
SN5	832009.933	813835.564	87.499	50	20.00°	Type Nail Head_400x400, Dia 50mm, Inclination(Degree) 20.00, L = 5000				
SN6	832011.183	813836.811	87.465	50	20.00°	Type Nail Head_400x400, Dia 50mm, Inclination(Degree) 20.00, L = 4000				

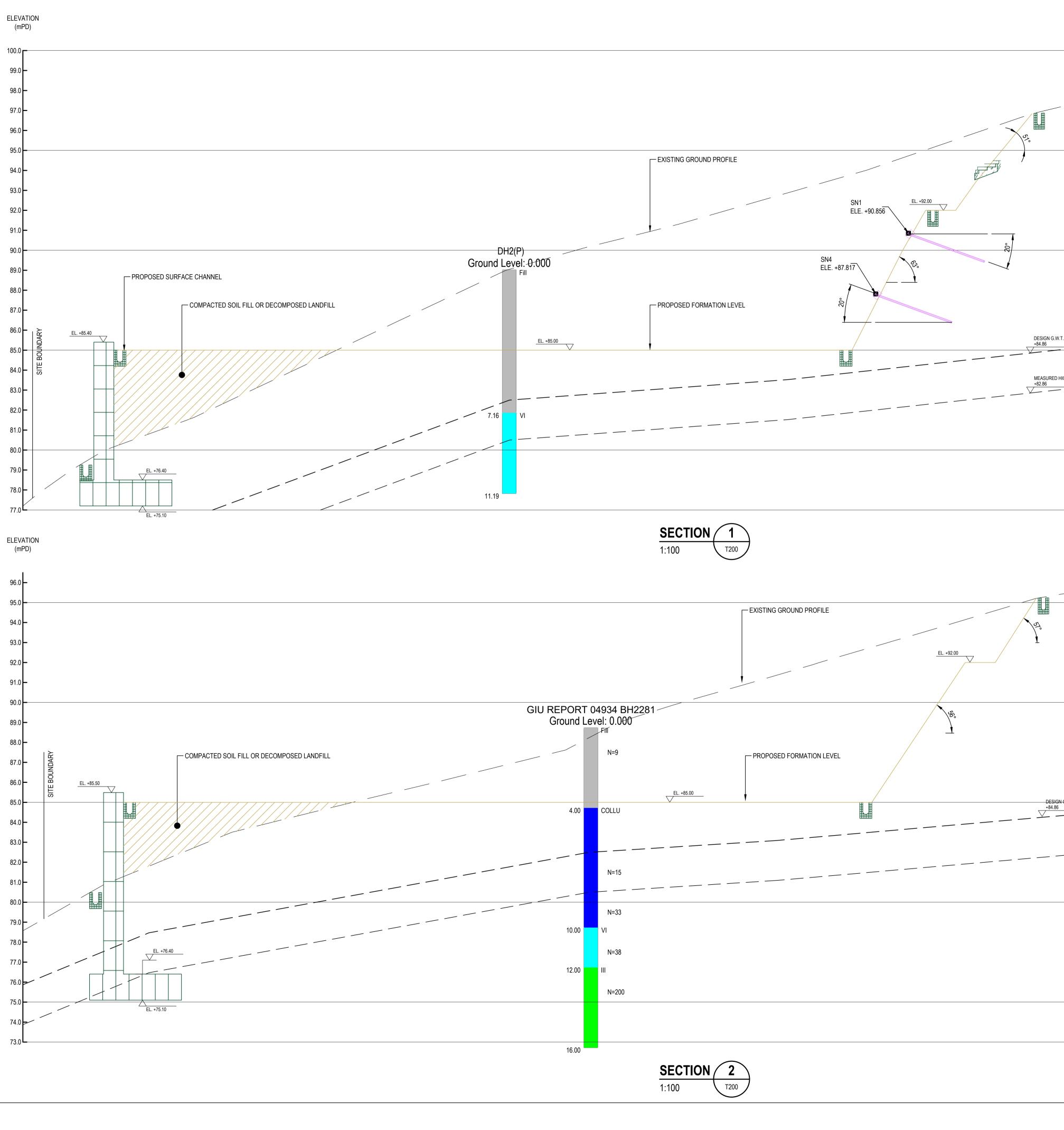
CATHPIT SCHEDULE									
CATCHPIT NAME	EASTING	NORTHING	CATHPIT WIDTH (mm)	CATHPIT LENGTH (mm)	CATHPIT DEPTH (m)	CATCHPIT TOP LEVEL (mPD)	CATCHPIT BOTTOM LEVEL (mPD)	CATCHPIT MATERIAL	
PIT_15	831998.530	813834.705	800	800	0.800	97.492	96.692	Concrete Grade 20/20	
PIT_14	832015.553	813854.103	800	800	0.800	94.589	93.789	Concrete Grade 20/20	
PIT_16	832006.946	813816.170	800	800	0.800	93.997	93.197	Concrete Grade 20/20	
PIT_12	832017.175	813851.862	800	800	0.800	92.000	91.200	Concrete Grade 20/20	
PIT_11	832004.808	813833.124	800	800	0.800	92.000	91.200	Concrete Grade 20/20	
PIT_10	832009.415	813815.479	800	800	0.800	91.994	91.194	Concrete Grade 20/20	
PIT_09	832014.243	813821.001	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_06	832037.217	813852.757	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_07	832020.420	813847.490	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_08	832009.615	813832.519	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_05	832043.215	813846.967	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_03	832039.157	813811.679	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_04	832049.642	813829.492	800	800	0.800	85.000	84.200	Concrete Grade 20/20	
PIT_13	832040.839	813857.052	800	800	0.800	84.188	83.400	Concrete Grade 20/20	
PIT_02	832040.211	813809.921	800	800	0.800	79.445	78.850	Concrete Grade 20/20	
PIT_01	832051.335	813828.475	800	800	0.800	79.243	78.700	Concrete Grade 20/20	
SAND TRAP	832053.290	813830.186	1200	1200	0.800	78.983	78.223	Concrete Grade 20/20	
FMH4012623	832054.156	813833.144	800	800	0.800	79.053	78.100	Concrete Grade 20/20	

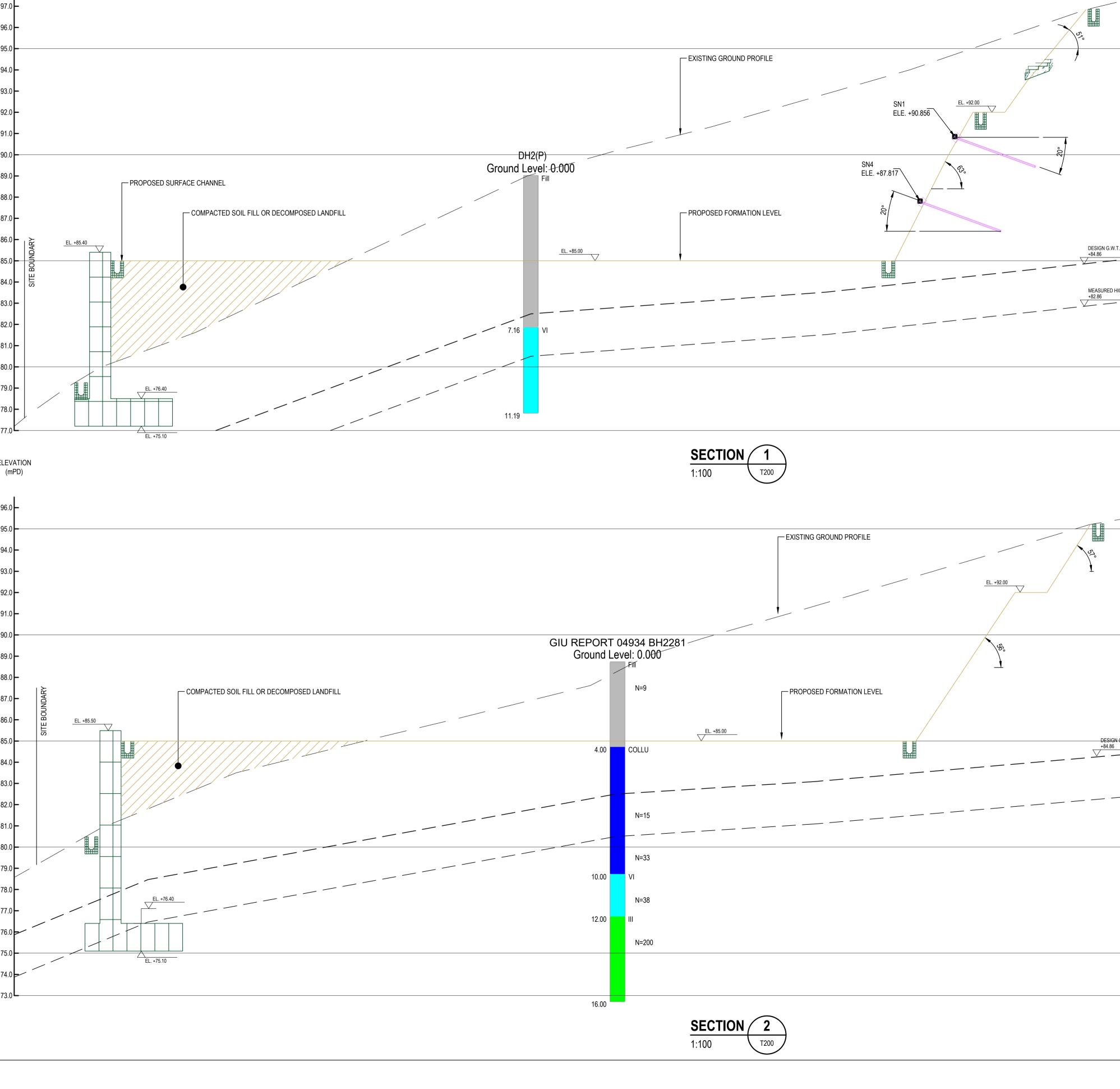
GI SCHEDULE						
MARK	EASTING	NORTHING				
DH1	832044.484	813810.690				
DH2(P)	832023.778	813823.615				
DH3	832037.467	813845.788				
DH4	832046.564	813852.050				











DARY	BD REF :
SITE BOUNDARY	BIM REF :
SITE	
W.T.	
) HIGHEST G.W.T.	
	REV DATE AMENDMENT
	PROJECT
	CIC SAMPLE PROJECT
ARY	
SITE BOUNDARY	DRAWING TITLE
SITE B	SITE FORMATION SECTION
	SCALE 1:100@A1
	DRAWING NO. REV. NO. T003
	SOURCE
	90mm (W) x 40mm (H) space for COMPANY LOGO
	90mm (W) x 40mm (H) space for COMPANY LOGO
	90mm (W) x 40mm (H) space for COMPANY LOGO
	90mm (W) x 40mm (H) space for COMPANY LOGO
	90mm (W) x 40mm (H) space for COMPANY LOGO
	90mm (W) x 60mm (H) space
	90mm (W) x 60mm (H) space for AP/RSE/RGE's
	90mm (W) x 60mm (H) space for AP/RSE/RGE's
SN G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
GN.G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's
GN G.W.T. 6 MEASURED HIGHEST G.W.T. +82.86	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp /
MEASURED HIGHEST G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
MEASURED HIGHEST G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
MEASURED HIGHEST G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
GN G.W.T. 6 MEASURED HIGHEST G.W.T. +82.86	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
MEASURED HIGHEST G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
MEASURED HIGHEST G.W.T.	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans
6	90mm (W) x 60mm (H) space for AP/RSE/RGE's signature/ and stamp chop BD's OFFICAL USE 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans

GENERAL NOTES

- 1. THE WHOLE DRAINAGE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDINGS ORDINANCE AND BUILDING REGULATIONS AND THE CURRENT REGULATIONS OF 21. ALL UNDERGROUND DRAINS SHALL BE DULY TESTED AND COMPLIED WITH THE HONG KONG ENVIRONMENTAL PROTECTION DEPARTMENT.
- 2. ALL DIMENSIONS AND PIPE SIZES SHOWN ON THE DRAWINGS ARE IN mm UNLESS
- OTHERWISE STATED.
- 3. WHERE THE WASTE PIPE FROM A WASTE FITMENT IS CONNECTED TO A SOIL PIPE, THE TRAP PROVIDED FOR EACH FITMENT SHALL HAVE A WATER SEAL NOT LESS THAN 80mm AND BE VENTED BY MEANS OF ANTISYPHONAGE PIPE OR ANTISYPHONAGE TRAP.
- 4. HORIZONTAL VENT PIPE SHALL BE INSTALLED IN A MANNER THAT THERE IS A CONTINUOUS FALL BACK AT A GRADIENT OF NOT LESS THAN 1 IN 300 INTO THE DISCHARGE PIPE SYSTEM. 5. UNLESS OTHERWISE STATED GRADIENT OF DRAIN PIPES SHALL BE AS FOLLOWS:-

Ø100	FALL 1 : 40
ø150	FALL 1 : 70
ø225	FALL 1 : 100
ø300 or above \	FALL 1 : 150

- 6. ALL UNDERGROUND PIPES SHALL BE PROVIDED WITH PIPE HAUNCHING OR SURROUNDED BY 27. FACES OF EVERY MANHOLE WITHIN SITE SHALL BE RENDERED WITH CEMENT MORTAR CONCRETE AS SHOWN ON DETAILS DRAWINGS. THE DRAINAGE SUB-CONTRACTOR SHALL CHECK THE SITE BEFORE CONSTRUCTION AND RECTIFY THE PROPOSED PIPE ROUTING. 7. INSPECTION PANELS OF ADEQUATE SIZE SHALL BE PROVIDED AT PIPE DUCTS AND SHAFTS
- FOR INSPECTION AND MAINTENANCE OF PIPES.
- 8. ALL BACK INLET TRAPPED GULLIES SHALL BE VENTILATED BY MEANS OF 80mm DIA. VENT PIPE. 29. ALL BENDING RADIUS OF THE UNDERGROUND PIPE SHOULD BE GREATER THAN 6 9. ALL SOIL WASTE AND VENT STACKS SHALL BE CARRIED UP TO THE ROOF AND TERMINATED AT NOT LESS THAN 1000mm ABOVE THE ROOF OR AS SHOWN IN DRAWINGS.
- 10. EVERY ANTI-SYPHONAGE PIPE SHALL BE CONNECTED WITH BRANCH SOIL PIPE OR BRANCH WASTE PIPE AT A POINT NOT MORE THAN 300mm FROM TRAP OUTLET.
- 11. WHETHER SHOWN ON THE DRAWINGS OR NOT, SUFFICIENT ACCESS SHALL BE PROVIDED BY MEANS OF CLEANING EYES OR OTHER APPROVED METHOD TO ENABLE ALL DRAINAGE PIPES TO BE CLEARED OF ANY OBSTRUCTION. SUCH ACCESS POINTS SHALL BE SO SITED AT TO ALLOW CLEARANCE FOR THE EASY ENTRY OF CLEANING ROD.
- 12. ALL BENDS IN SOIL PIPES AND WASTE PIPES SHALL HAVE AN OBTUSE ANGLE AND HAVE THE LARGEST PRACTICABLE RADIUS OF CURVATURE. THE BENDS SHALL NOT CHANGE IN ANY WAY OF THE SECTION OF THE PIPE AND A CLEANING EYE SHALL BE PROVIDED AT OR NEAR THE
- BEND. 13. ALL FLOOR DRAINS ARE TO BE COMPLETED WITH FLAT GRATING. THEIR SIZE ARE NOTED AS FOLLOW:

FOR REFERENCE ONLY



- 14. THE SUB-CONTRACTOR SHOULD CHECK AND ALLOW ADEQUATE FALL FOR THE
- SOIL/WASTE PIPE RUNNING ON FLOOR LEVEL. 15. ALL PIPES PASSING THROUGH EXIT STAIRCASES, FIRE PROTECTED LOBBIES SHALL BE ENCLOSED IN FRR -/60/60 MATERIAL & BASEMENT IN FRR -/120/120 MATERIAL BY MAIN
- CONTRACTOR. 16. EXPANSION JOINTS SHALL BE PROVIDED FOR PIPEWORK PASSING THROUGH BUILDING
- EXPANSION JOINTS. 17. UNLESS OTHERWISE STATED, BRANCH PIPE SIZE SHALL BE AS FOLLOWS:
- WASTE BRANCH FOR EACH WASH BASIN 32mm WASTE BRANCH FOR EACH KITCHEN SINK 40mm WASTE BRANCH FOR EACH FLOOR DRAIN IN TOILET 50mm WASTE BRANCH FOR EACH SHOWER DRAIN IN TOILET 50mm WASTE BRANCH FOR EACH BATH IN TOILET 40mm WASTE BRANCH FOR EACH FLOOR DRAIN IN PLANT RM. 100mm SOIL BRANCH FOR EACH URINAL 40mm SOIL BRANCH FOR EACH WATER CLOSET 100mm VENT BRANCH FOR EACH WATER CLOSET 50mm VENT BRANCH FOR EACH URINAL 32mm
- 18. ALL MANHOLE AND BITG FRAMES AND COVERS (INCLUDING CAST IRON COVER AND MATCHING COVER) SHALL BE OF AN APPROVED DESIGN CONFORMING TO THE FOLLOWING REQUIREMENTS, UNLESS OTHERWISE INDICATED: a. INDOOR CARPARK AREA/DRIVE WAY -HEAVY DUTY TYPE DOUBLE SEAL b. OUTDOOR CARPARK AREA/DRIVE WAY HEAVY DUTY TYPE SINGLE SEAL c.INSIDE BUILDING -MEDIUM DUTY TYPE DOUBLE SEAL
- 19. ALL UNDERGROUND DRAINS ARE TO BE LAID ON A CONCRETE BED NOT LESS THAN 100mm THICK AND AT LEAST 150mm WIDER THAN THE PIPE BORE AND AUNCHED UP BOTH SIDES WITH CONCRETE TO MEET THE PIPE BARREL TANGENTIALLY.

- 20. ALL INVERT LEVELS SHOWN ON MANHOLES ARE THE INVERT LEVEL OF THE MAIN CHANNELS IN THE CENTRE OF MANHOLES.
- REQUIREMENT STATED ON PNRC 11 & PNAP APP-58 PRIOR TO THE BACKFILLING OF
- TRENCHES. 22. WHETHER SHOWN ON THE DRAWING OR NOT, SUFFICIENT PROTECTIVE GUARD SHALL BE SUPPLIED AND INSTALLED BY MAIN CONTRACTOR.
- 23. POSITION OF MANHOLES SHALL BE CO-ORDINATE WITH OTHER TRADES/SERVICES.
- EXACT POSITION AND SET-OUT TO BE DETERMINED ON SITE. 24. CAST IRON AIRTIGHT BOLTED COVER SHALL BE USED TO BACK INLET TRAPPED GULLIES WHICH ARE SITUATED INSIDE BUILDING AND THE AIR TIGHT TRAPPED GULLIES SHALL BE VENTILATED.
- 25. EVERY STORM WATER PIPE WHICH DISCHARGE TO A CHANNEL OR A TRAP SHALL DISCHARGE AT A POINT NOT MORE THAN 150MM ABOVE THE TOP OF THE CHANNEL OR DISCHARGE INTO A TRAPPED AND VENTED INSPECTION CHAMBER.
- 26. SIZE OF TRAPS FOR FITMENTS SHALL BE THE SAME AS THE PIPE SIZE NOTED FOR FITMENTS.
- SO AS TO PROVIDE A SMOOTH AND IMPERVIOUS SURFACE. 28. UPON THE COMPLETEION OF DRAINAGE CONNECTION WORKS BY THE SUB-
- CONTRACTOR. A JOINT INSPECTION WITH D.S.D SHALL BE CARRIED OUT AND THE AS BUILT SEWER AND STORMWATER DRAINS RECORDS WILL BE FURNISHED TO D.S.D.
- TIMES OF THE PIPE DIA.. 30. ALL CONDENSATE DRAIN PIPES SHALL BE CONNECTED TO THE STORM WATER PIPE IS NOT REQUIRED TO CONNECT WITH ANTI SYPHONIC TRAP.
- 31. UNLESS OTHERWISE SPECIFIED, ALL FINISHED FLOOR GRADIENT SHALL BE 1 IN 100 FALL
- 32. UNDERGROUND DRAIN SHALL HAVE AN INTERNAL DIAMETER OF NOT LESS THAN 100mm DIA.
- 33. BEFORE CONSTRUCTION OF THE DRAINAGE WORKS, THE SUB-CONTRACTOR SHOULD CHECK THE EXACT LOCATION AND INVERT LEVELS OF THE EXISITNG GOVERNMENT PIPELINES AND MANHOLES.
- 34. ALL PIPES SHALL BE SURROUNDED WITH 150mm CONCRETE WHEN COVER DEPTH IS
- LESS THAN 900mm UNDER ROAD AND 450mm UNDER FOOTWAY. 35. NO PIPE JOINTS SHALL BE PERMITTED WITHIN THE THICKNESS OF WALLS OR FLOORS. 36. FRESH AIR INLETS SHALL BE STRONG CAST IRON APPROX. 50MM(W)x115MM(H) x140(D) WITH CURVED BACK FIXING EATS CASTED ON FOR CONNECTION PIPE 100MM DIAMETER WITH POLISHED STAINLESS STEEL SKILLED FRONT SCREWED ON AND
- FITTED WITH THIN ALUMINIUM-FLAP VALVE FIXED AT MINIMUM 2.5M ABOVE GROUND LEVEL OR SHOWN ON THE DRAWINGS. 37. TRAPPED GULLIES SHALL BE WITH HINGED CAST IRON GRATING OR COVER WITH
- FRAME. CAST IRON GULLY TRAP OF APPROPRIATE SIZE SHALL MATCH WITH THE DRAIN PIPES AND PROVIDE A MIN. 75MM DEEP-WATER SEAL AND WITH MIN. 50MM DIAMETER VENT PIRE FOR SEALED COVER GULLY.
- 38. FLOOR DRAINS OR VERTICAL GRATINGS SHALL BE SET IN POSITIONS AND SEAL THE CLEARANCE BETWEEN THE FLOOR DRAINS AND THE FLOOR SLABS AFTER INSTALLATION.
- 39. DRAINAGE WORKS, OUTSIDE LOT BOUNDARY ARE FOR BD REFERENCE ONLY. 40. CCTV AND MANHOLE SURVEY SHALL BE CARRIED OUT AT THE EARLY STAGE OF THE CONSTRUCTION AND THE COMPLETION OF THE WHOLE DRAINAGE SERVICES SYSTEM. THE EXTENT OF CCTV SURVEY SHALL SUBJECT TO ARCHITECT/ ENGINEER'S APPROVAL.
- EARLY STAGE FROM GOVERNMENT MANHOLE, FMH4055942 TO FMH4055943 - FROM GOVERNMENT MANHOLE SMH4074523 TO SMH4074524 - FROM GOVERNMENT MANHOLE SMH4074527 TO SMH4074529
- COMPLETION FROM FOUL WATER TERMINAL MANHOLE J.FMH-B01 TO FMH4055942 OF SYSTEM - FROM GOVERNMENT MANHOLE FMH4055942 TO FMH4055943 - FROM STORM WATER TERMINAL MANHOLE T.SMH-101 TO SMH4074523 - FROM GOVERNMENT MANHOLE SMH4074523 TO SMH4074524 - FROM STORM WATER TERMINAL MANHOLE T.SMH-BQ1 TO SMH-B13
 - FROM GOVERNMENT MANHOLE SMH-B13 TO SMH4074527
 - FROM GOVERNMENT MANHOLE SMH4074527 TO SMH4074529
- 41. SUNKEN TRENCH SHALL BE BACKFILL WITH LIGHT WEIGHT CONCRETE. CLEANSING EYE SHALL BE PROVIDED FOR PIPEWORKS INSIDE SUNKEN TRENCH.

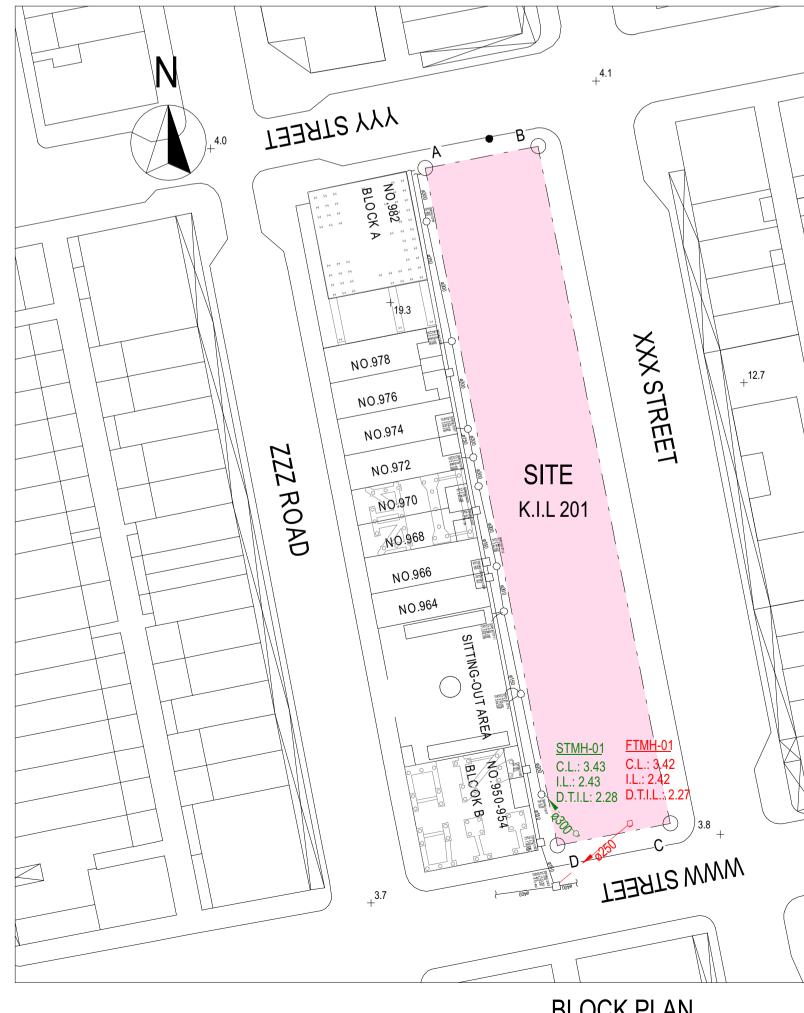
	ABOVEGROUND:	GALVANIZED STEEL TUBE TO BS EN 10255 'MEDIUM' GRADE WITH SCREW JOINT FOR INSIDE PIPE DUCT &	ABBRE	VIATION	
ABOVEGROUND SOIL / WASTE /	Ø32 - Ø40 (INSIDE PIPE DUCT / PODIUM AREA)	PODIUM AREA OR UPVC PIPE TO BS EN 465*-1 / BS 4514 FOR INTERNAL AREA.	T/A	TO ABOVE	S
SOIL & WASTE / RAIN WATER VENT PIPE	Ø50 - Ø300 (INSIDE PIPE DUCT / PODIUM AREA / WITHIN 2m FROM TRANSFER PLATE)	CAST IRON TO BS 416 / BS 437	T/B F/A F/B	TO BELOW FROM ABOVE FROM BELOW	O' W SF
	ALL SIZES (INSIDE SUNKEN SLAB / WITHIN SAME COMPARTMENT AREA)	UPVC PIPE TO BS 4514 / BS EN 1329-1	U/S	UNDERSLAB	R\ VI
	Ø32 TO Ø65	UPVC PIPE TO BS 5255 & BS EN 1329			
	Ø80 - Ø150 (EXTERNAL & ABOVE 2m ABOVE TRANSFER PLATE))	UPVC PIPE TO BS 4514 / BS EN 1329-1	F/L H/L	FLOOR LEVEL HIGH LEVEL	U A
	Ø350 AND ABOVE	DUCTILE IRON TO BS EN 598 WITH INTERNAL HIGH ALUMINA CEMENT COATING	M/L L/L	MID LEVEL LOW LEVEL	C
PUMPED DRAINAGE PIPE	UP TO 265 FOR REFERENCE ONLY	G.I. PIPES TO BS EN 10255 MEDIUM GRADE FOR ABOVEGROUND, HEAVY GRADE FOR UNDERGROUND	A/G	ABOVE GROUND	F
	Ø80 AND ABOVE	DUCTILE IRON TO BS EN 598 WITH INTERNAL HIGH ALUMINA CEMENT LINING	DN	DIAMETER(MM)	
A/C CONDENSATE DRAIN SYSTEM	EXTERNAL AND ALL SIZES	UPVC PIPES AND FITTINGS TO BS EN 1329-1 / BS 4514	GOVT. R.W.O.	GOVERNMENT	-т
	INSIDE PIPE DUCT / PODIUM AREA / TRANSFER PLATE AND ALL SIZES	G.I. PIPE TO BS EN 10255 MEDIUM GRADE C/W 9mm ELASTOMERIC THERMAL INSULATION CLASS O	C.I.P. C.D.P.	CAST IRON PIPE	
UNDERGROUND SOIL / WASTE /	Ø100 - Ø225	CAST IRON TO BS 437		PE CONCRETE PIF	
SOIL & WASTE / RAIN WATER	Ø250 - Ø375	CAST IRON TO BS 1211 / BS 4622	AP	ACCESS PANE	Ĺ
VENT PIPE	Ø400 AND ABOVE	DUCTILE IRON TO BS EN 598			
UNDERGROUND SOIL AND WASTER PIPE CONNECT TO PUBLIC DRAINAGE SYSTEM	ALL SIZE	HIGH DENSITY POLYETHYLENE PIPES TO BS EN 12201-2:2011, PE 100.			
UNDERGROUND RAIN WATER PIPE CONNECT TO PUBLIC DRAINAGE SYSTEM	ALL SIZE	CONCRETE PIPE TO BS EN 5911 PART 100 CLASS H			

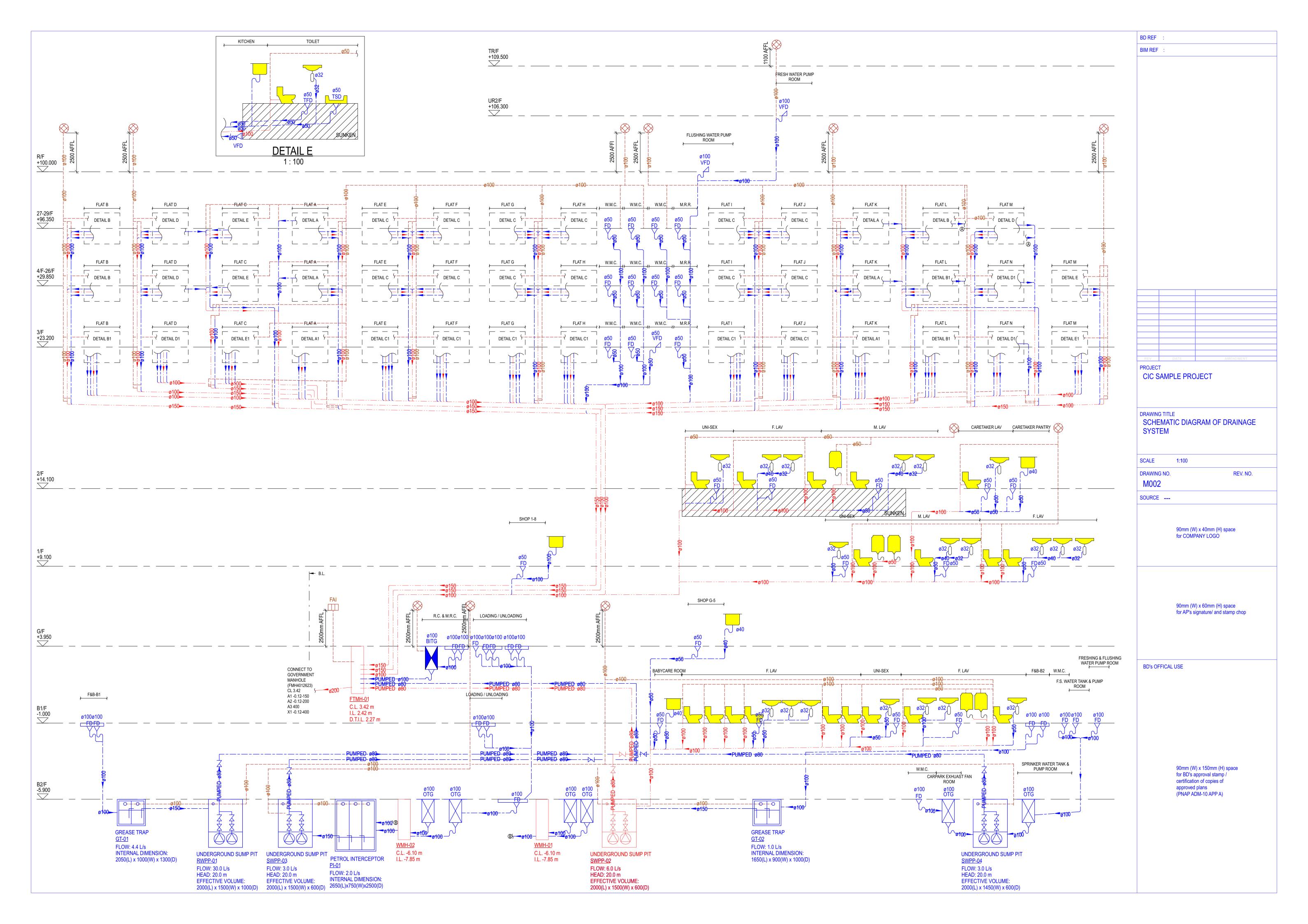
PIPEWORK MATERIAL SCHEDULE

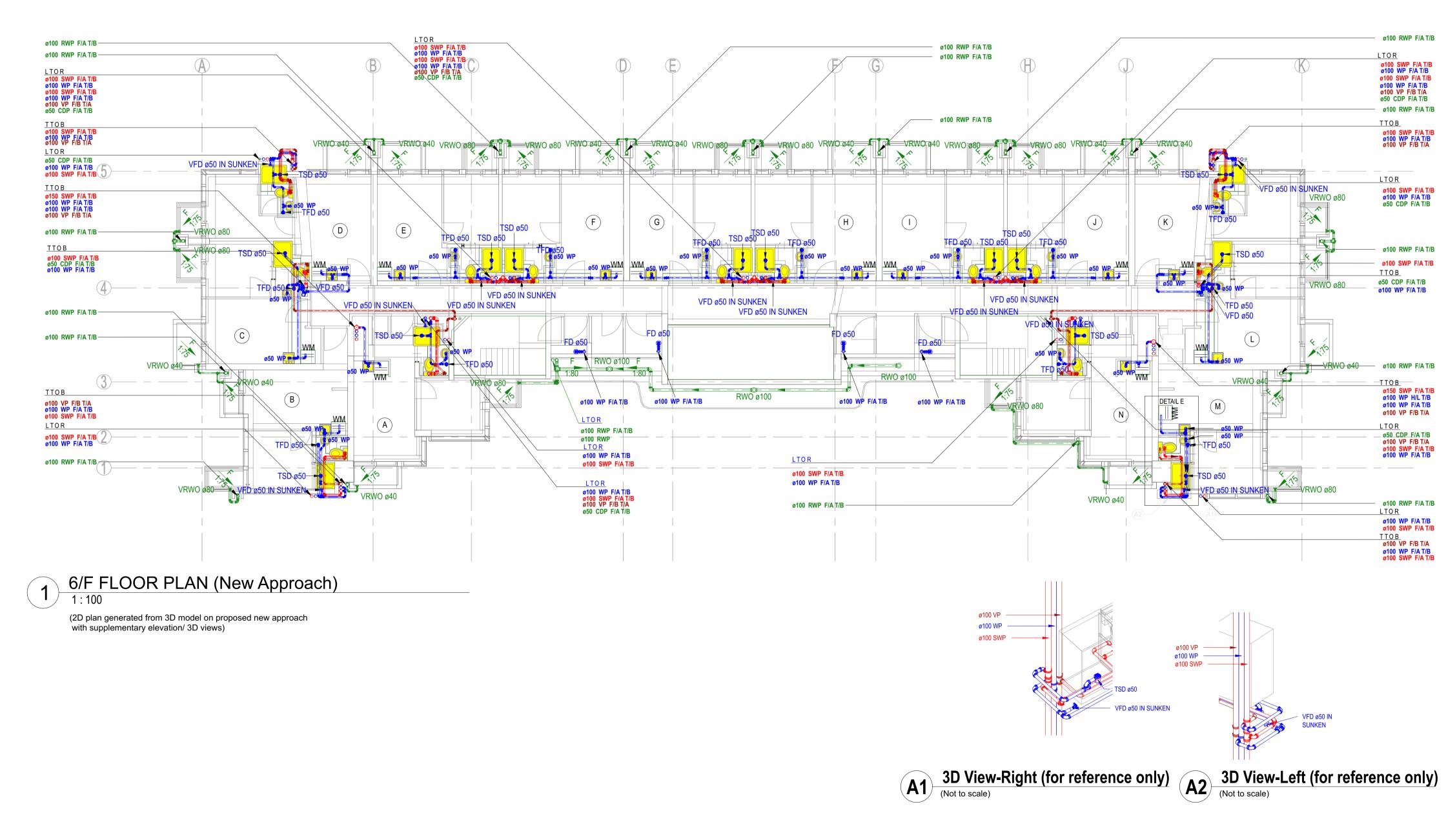
AFFL

P.D. PLANTER DRAIN STG SEAL TRAPPED GULLY OTG OPEN TRAPPED GULLY S.S. STAINLESS STEEL WP WASTE PIPE S.W.P. SOIL & WASTE PIPE SP SOIL PIPE R.W.P. RAINWATER PIPE RW RAIN WATER G.S.P. GALVANIZED STEEL PIPE VP VENT PIPE D.I.P. DUCTILE IRON PIPE U/G UNDERGROUND F.D. FLOOR DRAIN ABOVE FINISHED V.G. VERTICAL GRATING FLOOR LEVEL C.L. COVER LEVEL C/W COMPLETE WITH P.I. PETROL INTERCEPTOR I.L. INVERT LEVEL 30VE GROUND F.M.H. FOUL WATER MANHOLE A/C AIR CONDITIONING S.M.H. STORM WATER MANHOLE C.E. CLEANING EYE UPVC.P. UNPLASTICIZED POLYVINYL TFD TOP ACCESS FLOOR DRAIN CHLORIDE PIPE TOP ACCESS SHOWER DRAIN TSD TOP ACCESS SHOWER DRAIN BITG BACK INLET TRAPPED GULLY VERTICAL RAIN WATER VRWO OUTLET M.H. MANHOLE NDENSATE DRAIN PIPE D.T.I.L. DISCONNECTING TRAP INVERT LEVEL

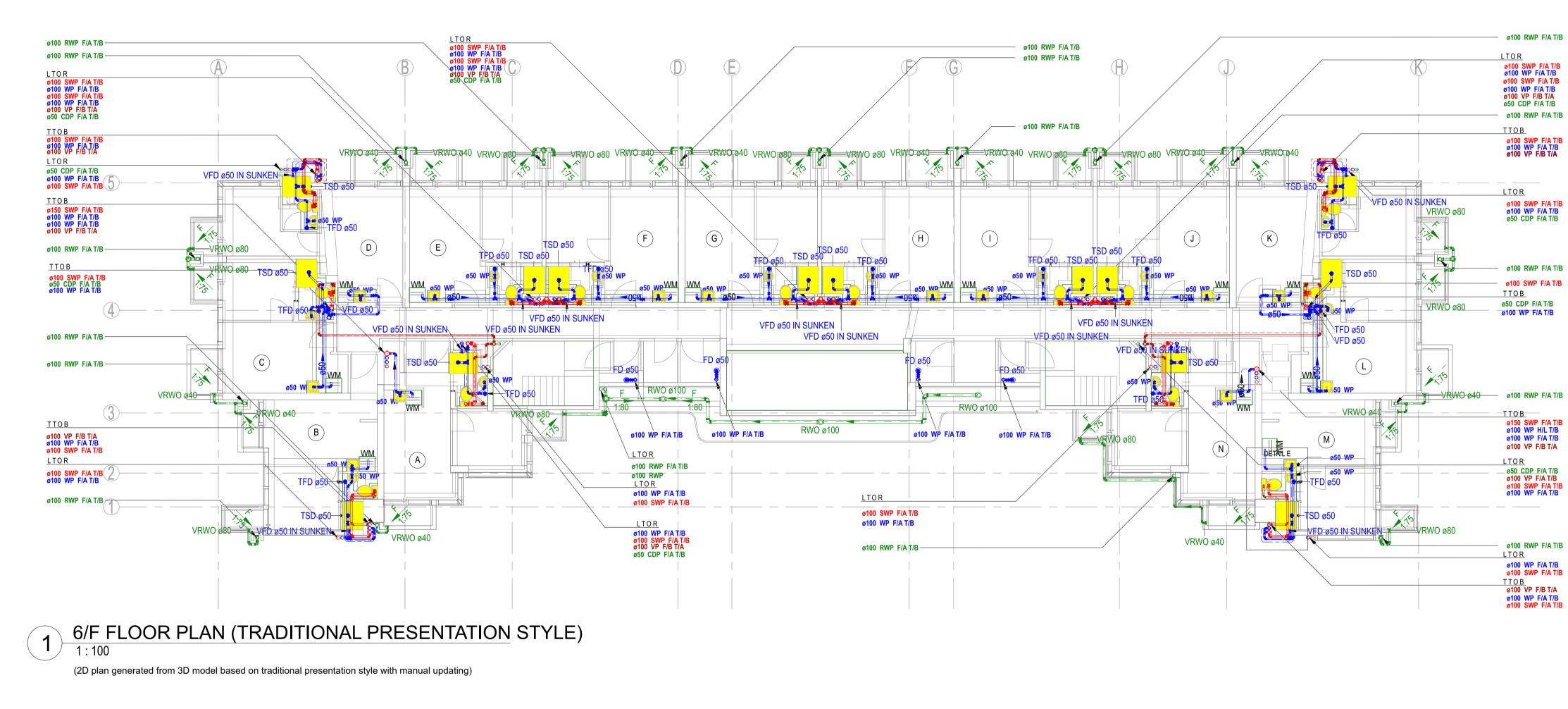
					BD REF :
ENDS					BIM REF :
>	DIRECTION OF FLOW	IIII F.A.I.	FRESH AIR INLET		
	WASTE PIPE	©	WIRE MESH BALLOON (VENT COWL)		
	SOIL & WASTE PIPE / SOIL PIPE	VRWO -	VERTICAL RAIN WATER OUTLET		
	RAIN WATER PIPE	RWO ⊗			
	VENTILATING PIPE/ ANTI-SYPHONAGE PIPE		RAIN WATER OUTLET		
	A/C CONDENSATION DRAIN PIPE	TFD	TOP ACCESS FLOOR DRAIN		
SMH	STORMWATER MANHOLE	SD TSD	TOP ACCESS SHOWER DRAIN		
WMH	SOIL & WASTE MANHOLE	Ø ^{FD}	FLOOR DRAIN		
STMH	TERMINAL STORMWATER MANHOLE		VERTICAL FLOOR DRAIN		
FTMH	TERMINAL FOUL WATER MANHOLE	BITG	BACK INLET TRAPPED GULLY C/W VENT PIPE		
	WATER CLOSET	OTG			
	WASH BASIN	отд 🖂 🖌	OPEN TRAPPED GULLY		
	SINK	\top \otimes	CLEANSING EYE		
	URINAL				
	SHOWER		SUMP PIT WITH SUBMERSIBLE PUMPS		
·	BATH-TUB				
	HALF ROUND / FLAT CHANNEL		GREASE TRAP		
	COVERED CHANNEL	S.T.	SEPTIC TANK		
	200 DEPTH SUNKEN SLAB		SOAKAWAY PIT		REV DATE AMENDMENT
	400 DEPTH SUNKEN SLAB		PETROL INTERCEPTOR		PROJECT CIC SAMPLE PROJECT
	DISCONNECTING TRAP		CONNECTION FROM A TO A		
Л	ANIT-SYPHONAGE BOTTOM TRAP		CONNECTION FROM B TO B		DRAWING TITLE
					GENERAL NOTES FOR DRAINAGE
			+4.3		
					SCALE 1:500
	+4.1		$\overline{\mathbf{z}}$		DRAWING NO. REV. NO. MOO1
ATS YYY	B				SOURCE
A					
нин и и и ВLOCK А и и и и и и и и и и и и и и и и и и и					90mm (W) x 40mm (H) space for COMPANY LOGO
Р и и и и и и и					
	3.			Y	
19.3 H					
NO.978		+ ^{12.7}			
NO.976					90mm (W) x 60mm (H) space for AP's signature/ and stamp chop
NO.974 NO.972					
NO.970				-	
NO.968	K.I.L 201		SHANGHAI STREET		BD's OFFICAL USE
NO.966			REA	M	
NO.964			HS IS	M	
	SITTIN				
	SITTING-OUT AREA				
	STMH-01 FTM	H-01			
	B B C.L.: 3.43 C.L.:	3,42 2,42			90mm (W) x 150mm (H) space
		3.8	+4.	.0	for BD's approval stamp / certification of copies of
	D. Alto	TS WWW			approved plans (PNAP ADM-10 APP A)
+3.7		TO IMM.			
\square					
	<u>BLOCK P</u> 1 : 500				



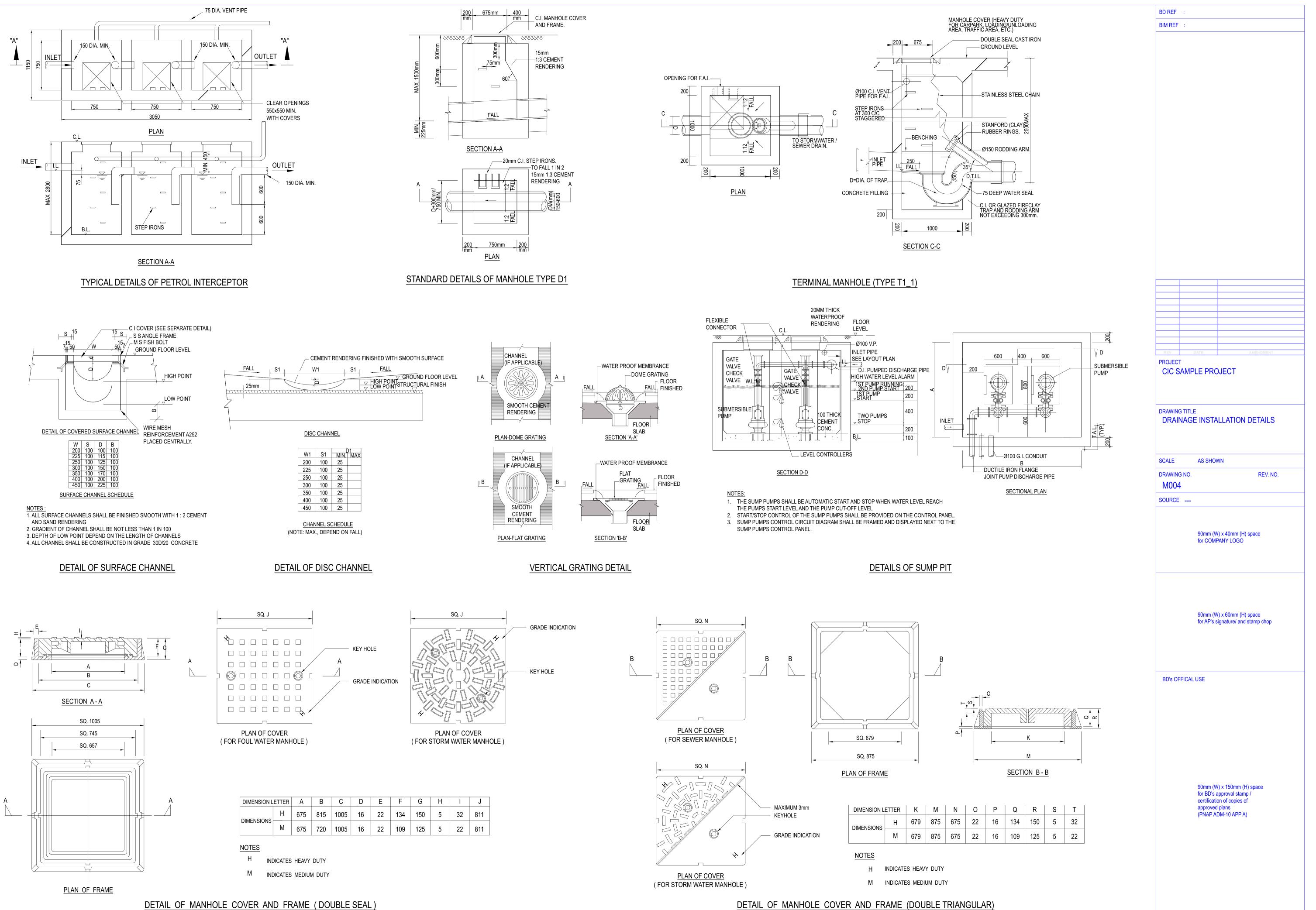




BD REF **BIM REF** PROJECT **CIC SAMPLE PROJECT** DRAWING TITLE DRAINAGE LAYOUT PLAN FOR TYPICAL FLOOR (NEW APPROACH) SCALE 1:100, 1:50 DRAWING NO. REV. NO. M003 SOURCE ---90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP's signature/ and stamp chop **BD's OFFICAL USE** 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)



BD REF **BIM REF** PROJECT **CIC SAMPLE PROJECT** DRAWING TITLE DRAINAGE LAYOUT PLAN FOR TYPICAL FLOOR (TRADITIONAL STYLE) SCALE 1:100 DRAWING NO. REV. NO. M003a SOURCE ---90mm (W) x 40mm (H) space for COMPANY LOGO 90mm (W) x 60mm (H) space for AP's signature/ and stamp chop **BD's OFFICAL USE** 90mm (W) x 150mm (H) space for BD's approval stamp / certification of copies of approved plans (PNAP ADM-10 APP A)



(N. T. S.)

STORM WATER MANHOLE SCHEDULE							
DRAIN DIAMETERMANHOLE NO.(mm)C.L.I.L.DEPTH (mm)TYPE							
SMH-01 150 -6.15 -7.9 1750 D1							
Grand total: 1			•	•			

Grand total: 1

FOUL WATER MANHOLE SCHEDULE							
DRAIN DIAMETER (mm)DEPTH (mm)MANHOLE NO.(mm)C.L.I.L.DEPTH (mm)TYPE							
WMH-01	150	-6.1	-7.85	1750	D1		
WMH-02 150 -6.1 -7.85 1750 D1							
Crand total: 2							

Grand total: 2

	FOUL WATER TERMINAL MANHOLE SCHEDULE							
DRAIN DIAMETER (mm)C.L.I.L.D.T.I.L.DEPTH (mm)TYPE								
FTMH-01	225	+3.42	+2.42	+2.27	1150	T1_1		
Grand total: 1								

STORM WATER TERMINAL MANHOLE SCHEDULE							
DRAIN DIAMETER I.L. D.T.I.L. DEPTH (mm) TYPE							
STMH-01	225	+3.43	+2.43	+2.28	1150	T1_1	
Grand total: 1							

Grand total: 1

PETROL INTERCEPTOR SCHEDULE							
PETROL INTERCEPTOR NO. C.L. I.L. B.L. DEPTH (mm)							
PI-01 -5.9 -6.9 -8.4 2500							
Grand total: 1							

SUMP PIT SCHEDULE								
						PUMP DU	TY (EACH)	
SUMP PIT NO.	SUMP PIT SIZE (LxWxD)	C.L.	I.L.	B.L.	PUMP NO.	FLOW (I/s)	HEAD (m)	
RWPP-01	2000(L) x 1500(W) x 1000(D)	-5.85	-6.5	-8	RSP01-01,02	30.0	20	
SWPP-02	2000(L) x 1500(W) x 600(D)	-5.85	-6.5	-7.5	SSP02-01,02	6.0	20	
SWPP-03	2000(L) x 1500(W) x 600(D)	-5.85	-6.5	-7.5	SSP03-01,02	3.0	20	
SWPP-04	2000(L) x 1450(W) x 600(D)	-5.85	-6.5	-7.5	SSP04-01,02	3.0	20	
Grand total: 4		-	1	1		I		

GREASE TRAP SCHEDULE				
GREASE TRAP NO.	C.L.	B.L.	DEPTH (mm)	
GT-01	-5.9	-7.2	1300	
GT-02	-5.9	-6.9	1000	

Grand total: 2

BIM REF :		
REV	DATE	AMENDMENT
PROJECT		
CIC SAM	PLE PRC	DJECT
DRAWING NO		REV. NO.
SOURCE	-	
	90mm (V	/) x 40mm (H) space
	90mm (W for COMI	/) x 40mm (H) space PANY LOGO
	90mm (W for COMł	/) x 40mm (H) space PANY LOGO
	90mm (W for COM	/) x 40mm (H) space PANY LOGO
	for COM	PANY LOGO
	for COMF	/) x 40mm (H) space PANY LOGO /) x 60mm (H) space signature/ and stamp chop
	for COMF	PANY LOGO /) x 60mm (H) space
	for COMF	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COM 90mm (W for AP's s	PANY LOGO /) x 60mm (H) space
BD's OFFICA	for COMI 90mm (W for AP's s AL USE 90mm (W	<pre>PANY LOGO // x 60mm (H) space signature/ and stamp chop // x 150mm (H) space</pre>
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati	<pre>PANY LOGO // x 60mm (H) space signature/ and stamp chop // x 150mm (H) space approval stamp / on of copies of</pre>
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati approved	<pre>PANY LOGO // x 60mm (H) space signature/ and stamp chop // x 150mm (H) space approval stamp / on of copies of</pre>
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati approved	/) x 60mm (H) space signature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of i plans
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati approved	/) x 60mm (H) space signature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of i plans
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati approved	/) x 60mm (H) space signature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of i plans
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati approved	/) x 60mm (H) space signature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of i plans
BD's OFFICA	90mm (W for AP's s AL USE 90mm (W for BD's a certificati approved	/) x 60mm (H) space signature/ and stamp chop /) x 150mm (H) space approval stamp / on of copies of i plans