

Appendix B

BIM Object Presentation Summary

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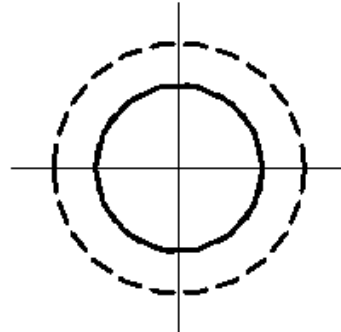
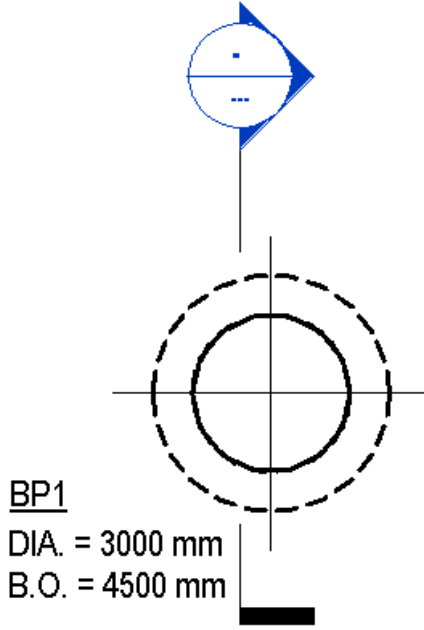
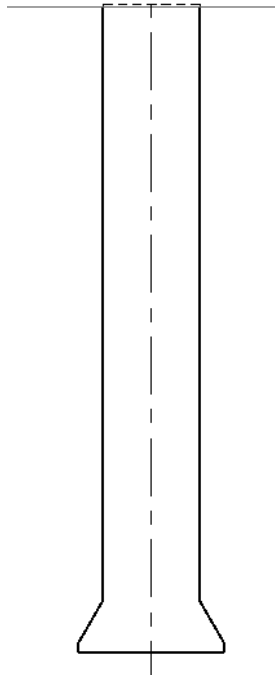
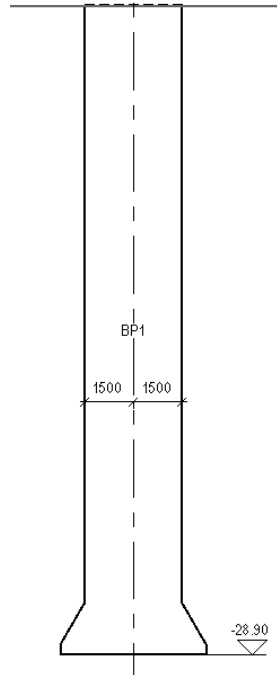

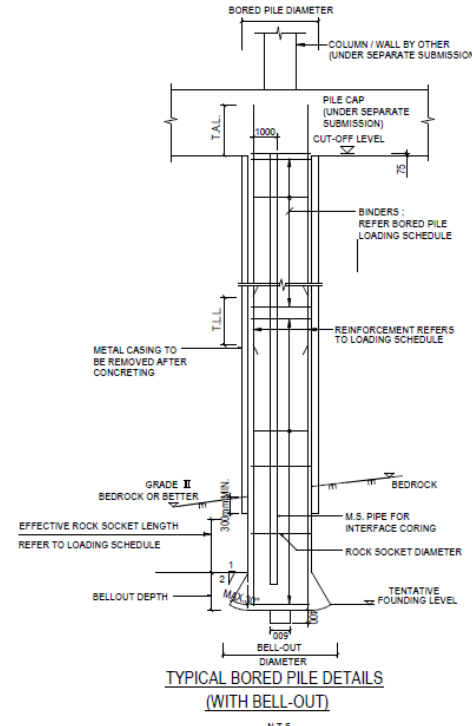
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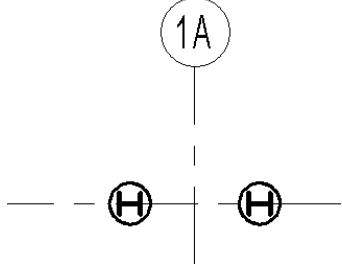
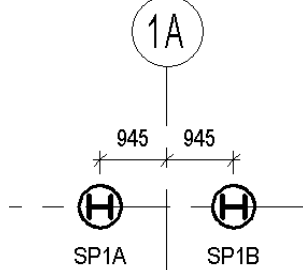
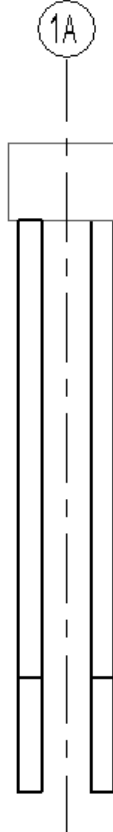
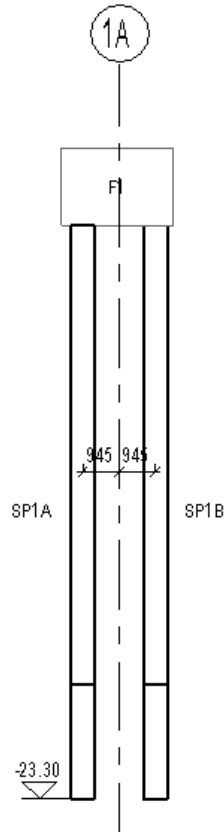

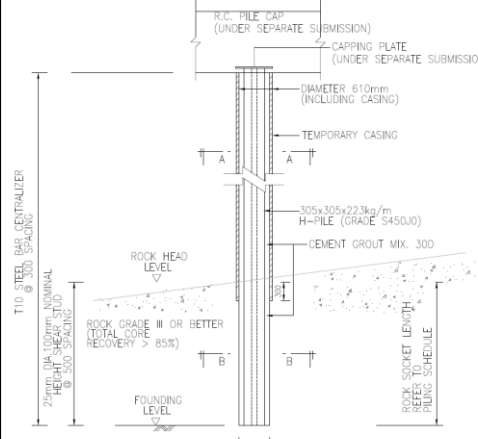
BIM OBJECT		BORED PILE			
	 <p>BP1 DIA. = 3000 mm B.O. = 4500 mm</p>				
PLAN VIEW OF OBJECT		PLAN VIEW OF OBJECT (WITH ANNOTATION)		SECTION VIEW OF OBJECT (WITH ANNOTATION)	
				3D VIEW (FOR REFERENCE ONLY)	
				DETAILS (2D DRAFTING)	

■ Graphical information
 ■ Non-graphical information
 ■ Schedule formula

BORED PILE LOADING SCHEDULE (1 OF 2)																						
BORED PILE MARK	BORED PILE CAP THICKNESS (FOR REFERENCE ONLY)	BORED PILE DIAMETER	BORED PILE EFFECTIVE SHAFT DIAMETER	ROCK SOCKET DIAMETER	PILE BASE DIAMETER	(X)	(AA)	(W)	(Z)	(AB)/(AA)(Z)	(Y)	(a)	(b)	(d)=(a)-(b)	(d)	(b)-(d)	(e)	(f)=(b)-(d)-(e)	(h)	(i)	(j)	(k)
						BELLOUT DEPTH	CUT-OFF LEVEL	TENTATIVE ROCKHEAD LEVEL	TENTATIVE FOUNDING LEVEL	TENTATIVE PILE LENGTH	EFFECTIVE ROCK SOCKET LENGTH	SELF-WEIGHT OF BORED PILE (SUBMERGED) (SWP)	Dmin (total)	Dmin + SWP	SDL (total)	TOTAL DEAD LOAD (DL) = Dmin + SDL	LIVE LOAD (LL) (total)	DL + SDL + LL	Wmax (total)	TOTAL UPLIFT FORCE DUE TO GROUND WATER (U)	ADDITIONAL LOAD DUE TO STEPPING EFFECT	
	(m)	(m)	(m)	(m)	(m)	(m)	(mPD)	(mPD)	(mPD)	(m)	(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	WITHOUT WIND	WITH WIND
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

BORED PILE LOADING SCHEDULE (2 OF 2)																							
	(f)	(f)+(h)	(f)+(a)+(i)	(f)+(h)+(a)+(k)	(i)=(b)+(j)	(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 off(((r1),(p1)/3))+a	(u1)=Min off(((r1)*2,(p1))+a)	(w)=(o)+(q)	(v)=(u)*1.25	(b)+0.9*(u1)-1.5*(h)+1.5*(i)>0	(b)+(a1)-(h)+(i)>0		
BORED PILE MARK	MAX. PILE LOAD				MIN. PILE LOAD			VERTICAL BARS		LINKS	PILE BARING CAPACITY (COMPRESSION)		ROCK FRICTION (COMPRESSION)		ROCK FRICTION (TENSION)	ROCK/SOIL MASS (SUBMERGED)	UPLIFT RESISTANCE		BORED PILE BEARING CAPACITY (COMPRESSION)		STABILITY CHECK		REFERENCE BORED HOLE
	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				WITHOUT WIND	WITH WIND	WITHOUT WIND	WITH WIND			ALLOWABLE	ULTIMATE	WITHOUT WIND	WITH WIND	Dmin + 0.9*Ru -1.5Wmax - 1.5U	Dmin + Ra - Wmax - U	
	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	LAYER 1	LAYER 2		(m)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	
BP1	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

SCHEDULE

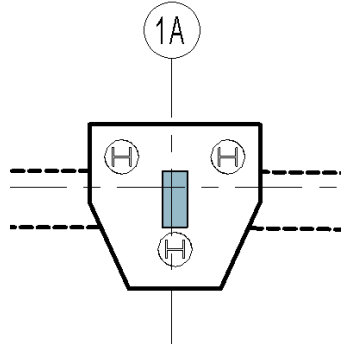
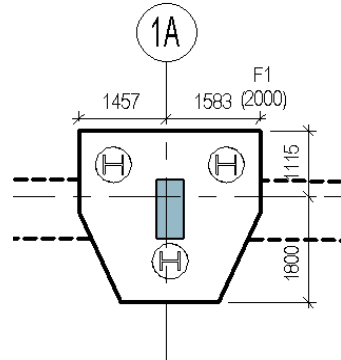
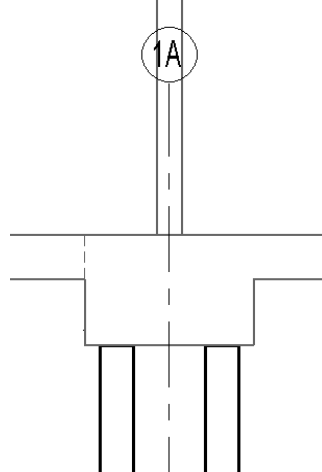
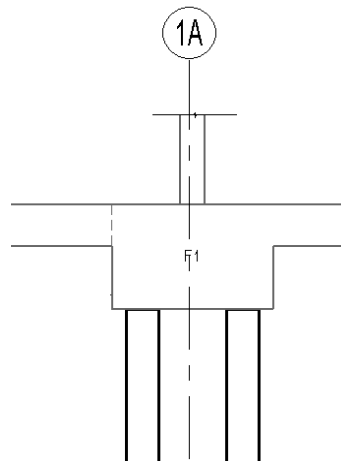
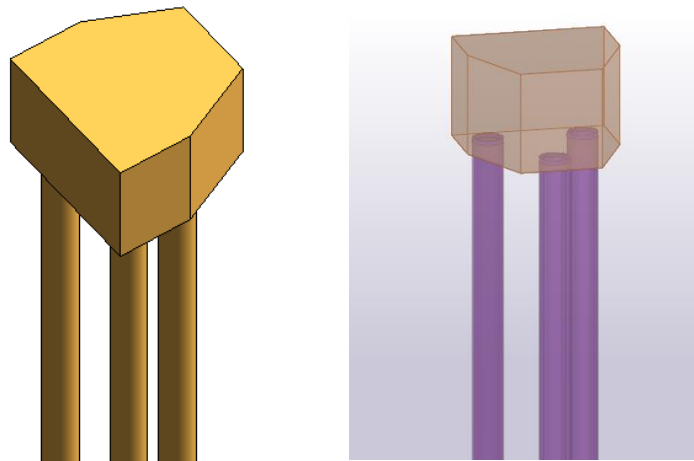
BIM OBJECT		SOCKET H-PILE			
					
					
PLAN VIEW OF OBJECT		PLAN VIEW OF OBJECT (WITH ANNOTATION)		SECTION VIEW OF OBJECT (WITH ANNOTATION)	
				SECTION VIEW OF OBJECT (WITH ANNOTATION)	
				3D VIEW(FOR REFERENCE ONLY)	
				DETAILS (2D DRAFTING)	

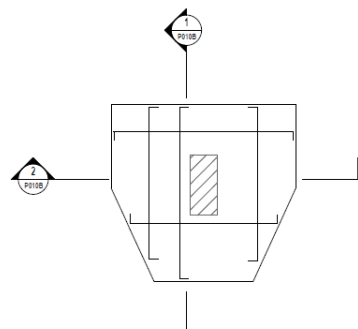
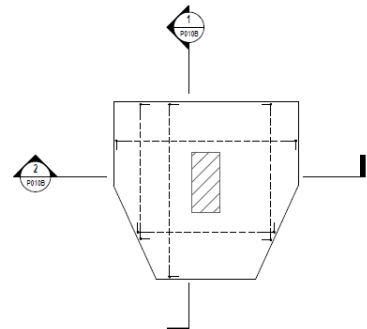
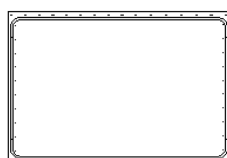
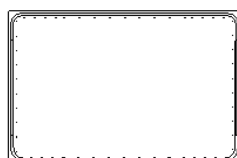
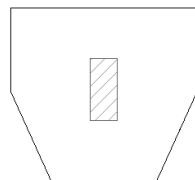
■ Graphical information
■ Non-graphical information
■ Schedule formula

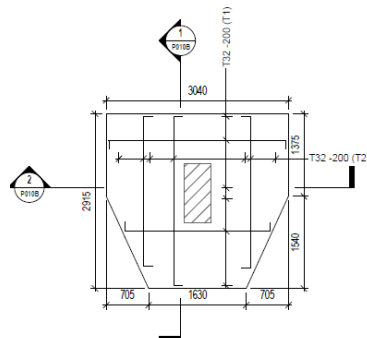
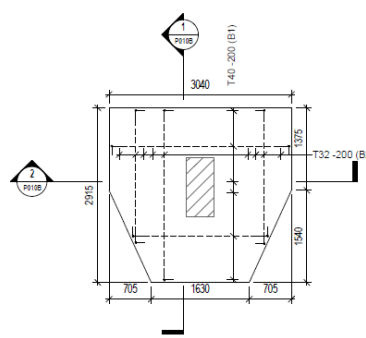
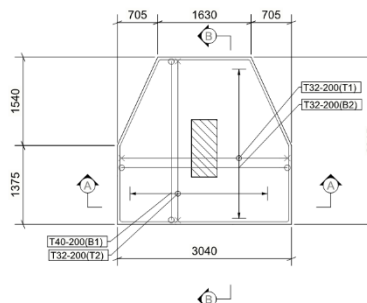
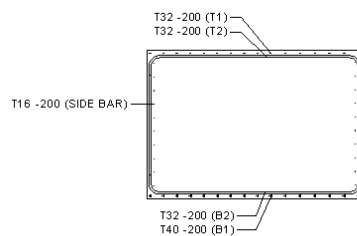
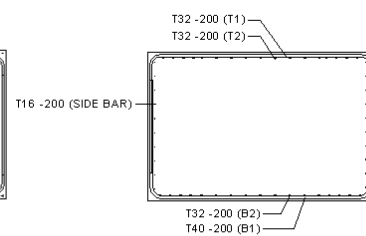
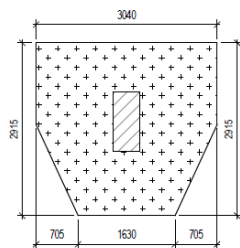
SOCKET H-PILE LOADING SCHEDULE (1 OF 2)																								
		(A)	(A)		(AA)	(w)	(Z)	(AB)		(Y)	(P1)	(P2)	(P3) = (P1) + (P2)	(a)	(P4) = (P3) + (a)	(b)	(d)	(b) + (d)	(e)	(f) = (b) + (d) + (e)	(h)	(i)	(j) = (i) * 1.25	
PILE MARK	PILE CAP THICKNESS (FOR REFERENCE ONLY)	PIPE EFFECTIVE SHAFT DIAMETER	ROCK SOCKET DIAMETER	PILE CAP BASE LEVEL	CUT-OFF LEVEL	TANTATIVE ROCK-HEAD LEVEL	TANTATIVE 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	Min DEAD LOAD PER PILE (Dmin)	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)	ADDITIONAL LOAD DUE TO STEPPING EFFECT	
																						WITHOUT WIND	WITH WIND	
		(m)	(mPD)	(mPD)	(mPD)	(m)	(m)	(m)	(m)	(m)	(m)	(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

SOCKET H-PILE LOADING SCHEDULE (2 OF 2)																
	(f)	(f)+(h)	(f)+(a)+(i)	(f)+(h)+(a)+(k)	(l)=(k)+(a)+(i)	(m)=(b)-(h)+(i)	(n)=(b)-1.5*(h)+1.5*(i)	(o)	(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	
PILE MARK	MAX. PILE LOAD				MIN. PILE LOAD			PILE BARING CAPACITY (COMPRESSION)		ROCK FRICTION (TENSION)	ROCK/SOIL MASS (SUBMERGED)	UPLIFT RESISTANCE		STABILITY CHECK		REFERENCE BORED HOLE
	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			ALLOWABLE	ULTIMATE	Dmin + 0.9Ru -1.5Wmax - 1.5U	Dmin + Ra - Wmax - U	
	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	(m)	(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


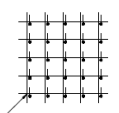

SCHEDULE

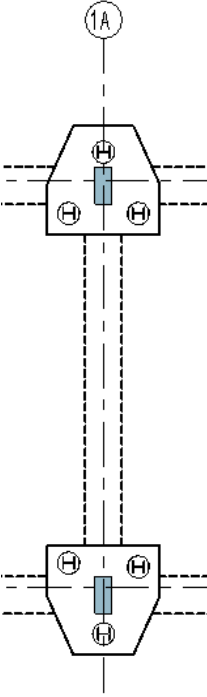
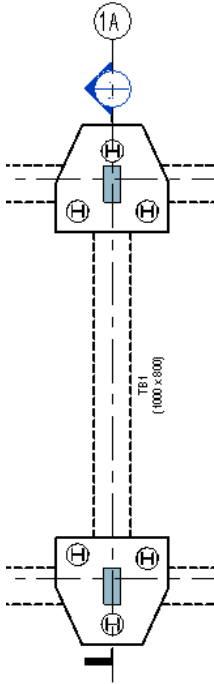
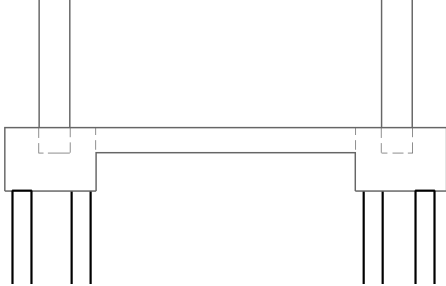
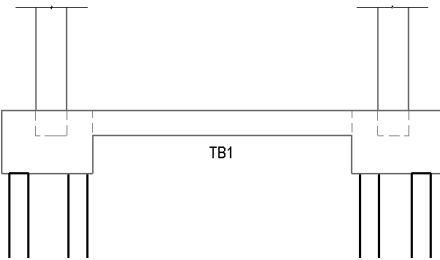
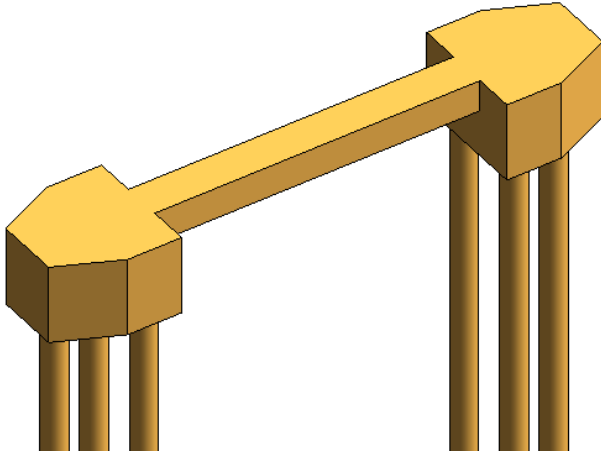
BIM OBJECT	PILE CAP			
				
PLAN VIEW OF OBJECT	PLAN VIEW OF OBJECT (WITH ANNOTATION)	SECTION VIEW OF OBJECT	SECTION VIEW OF OBJECT (WITH ANNOTATION)	3D VIEW(FOR REFERENCE ONLY)

		
PILE CAP F1 (2000mm THK.) TOP BAR 1 : 50	PILE CAP F1 (2000mm THK.) BOTTOM BAR 1 : 50	
		
1 SECTION 1 1 : 50	2 SECTION 2 1 : 50	PILE CAP F1 (2000mm THK.) (F2, F3, F4, F7 & F8 SIMILAR) (SHEAR REINFORCEMENT) 1 : 50
RC DETAIL OF OBJECT		

		
PILE CAP F1 (2000mm THK.) TOP BAR 1 : 50	PILE CAP F1 (2000mm THK.) BOTTOM BAR 1 : 50	PILE CAP F1 (2000mm THK.) (F2, F3, F4, F7 & F8 SIMILAR) 1 : 50
		
1 SECTION 1 1 : 50	2 SECTION 2 1 : 50	PILE CAP F1 (2000mm THK.) (F2, F3, F4, F7 & F8 SIMILAR) (SHEAR REINFORCEMENT) 1 : 50
RC DETAIL OF OBJECT WITH ANNOTATION		

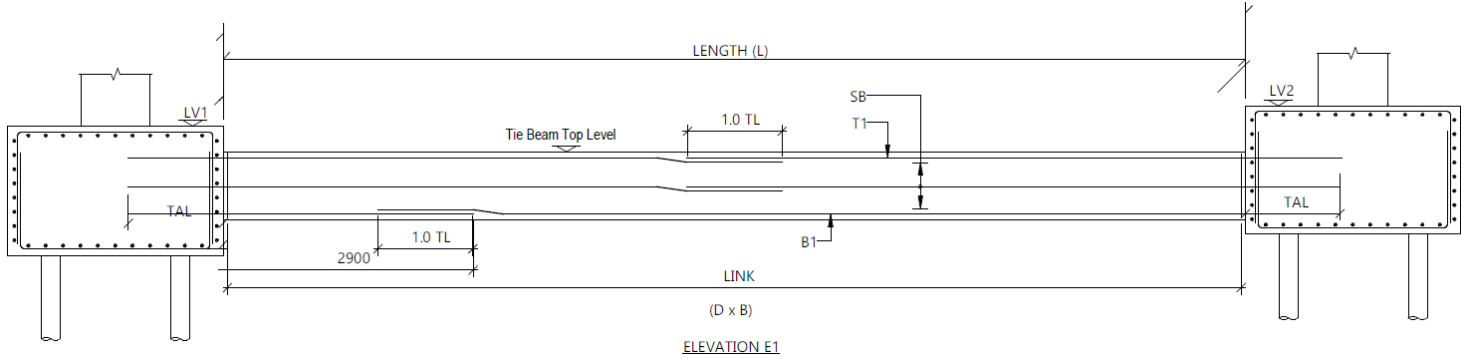
LEGEND FOR SHEAR LINK DIAGRAM:

PATTERN	LINK ARRANGEMENT
 T16 SHEAR LINKS AT 150mm C/C BOTH WAYS	 MAIN REINFORCEMENT
 T16 SHEAR LINKS AT 175mm C/C BOTH WAYS	

BIM OBJECT	TIE BEAM			
				
PLAN VIEW OF OBJECT	PLAN VIEW OF OBJECT (WITH ANNOTATION)	SECTION VIEW OF OBJECT	SECTION VIEW OF OBJECT (WITH ANNOTATION)	3D VIEW(FOR REFERENCE ONLY)

■ Graphical information
 ■ Non-graphical information
 ■ Schedule formula

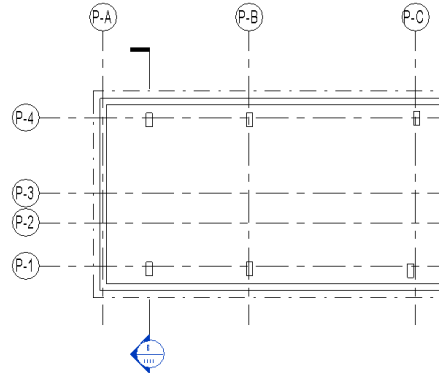
TIE BEAM R.C. DETAILS SCHEDULE															
TIE BEAM MARK	BEAM SIZE (D x B)	LENGTH (m)	TIE BEAM TOP LEVEL (mPD)	PILE CAP (P1)	TOP LEVEL (Lv1) (mPD)	PILE CAP (P2)	TOP LEVEL (Lv2) (mPD)	STEEL BAR					LINK	SECTION REFERENCE	ELEVATION REFERENCE
								T1	T2	B1	B2	SB			
TB1	1000 x 800	10.935	-6.35	F1	-6.35	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



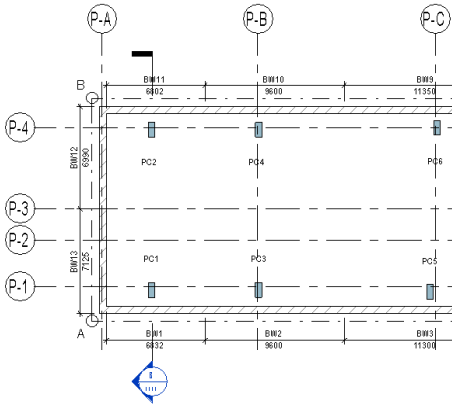
SCHEDULE

BIM OBJECT

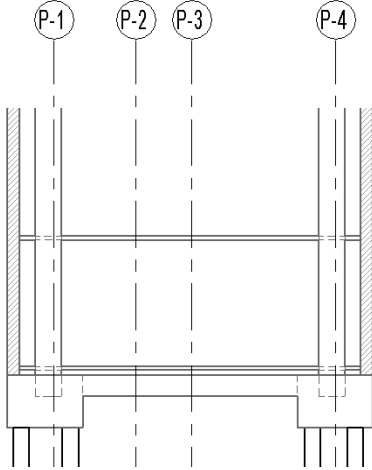
SCREEN WALL



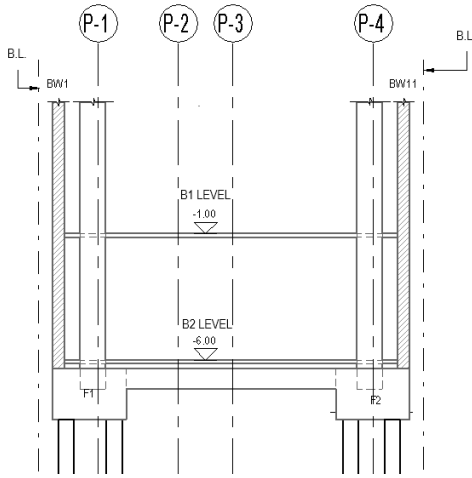
PLAN VIEW OF OBJECT



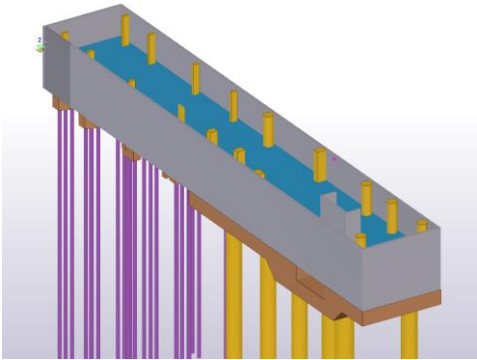
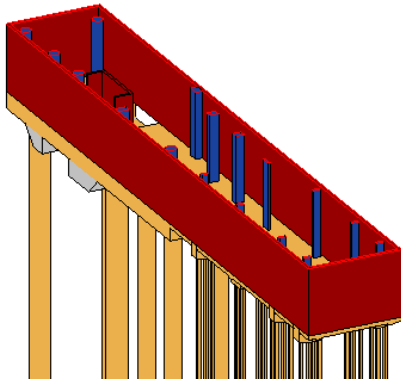
PLAN VIEW OF OBJECT
(WITH ANNOTATION)



SECTION VIEW OF OBJECT



SECTIONVIEW OF OBJECT
(WITH ANNOTATION)

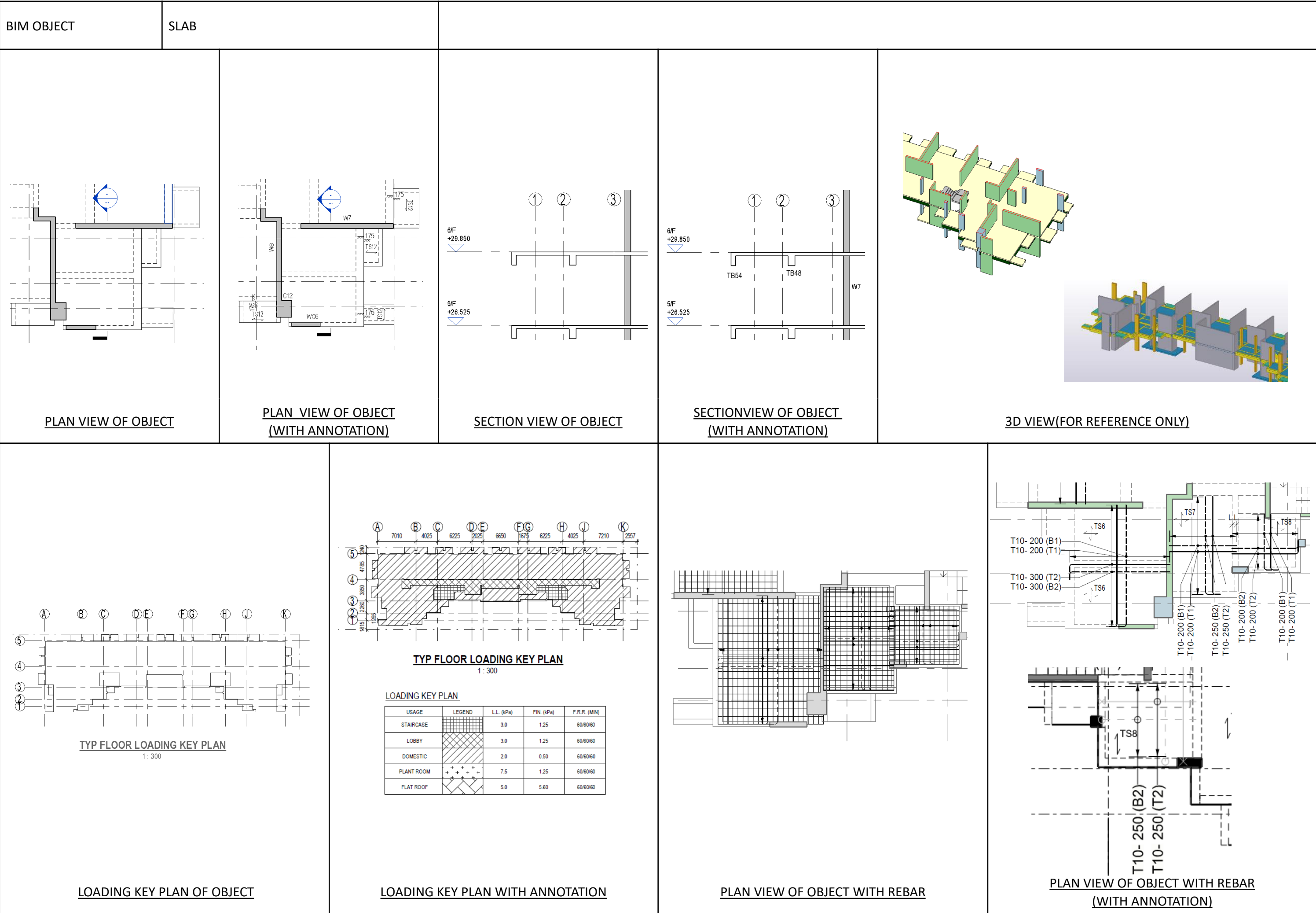


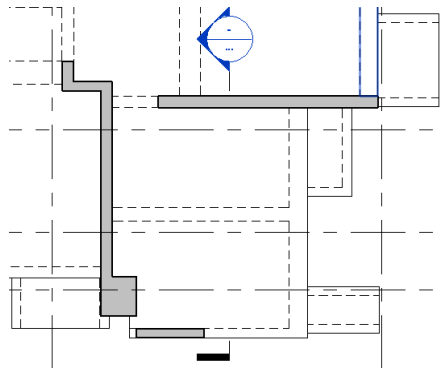
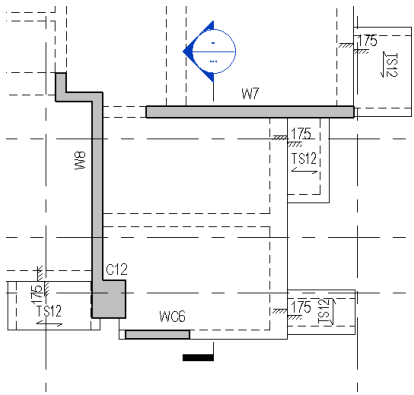
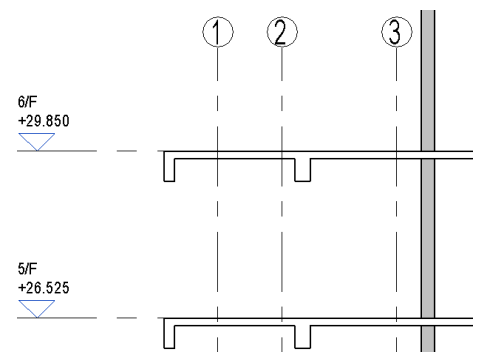
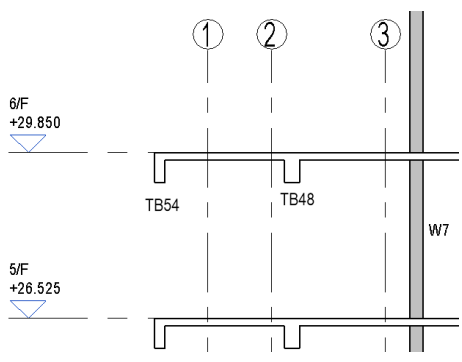
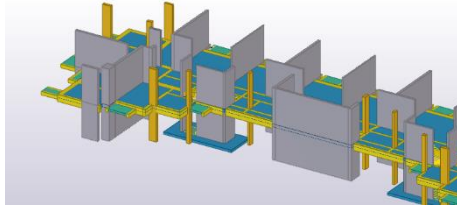
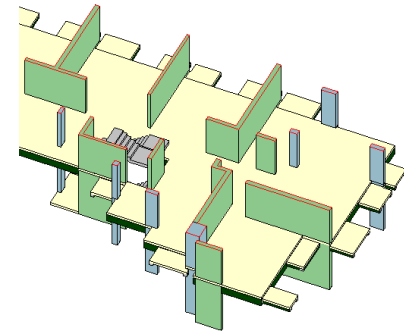
3D VIEW(FOR REFERENCE ONLY)

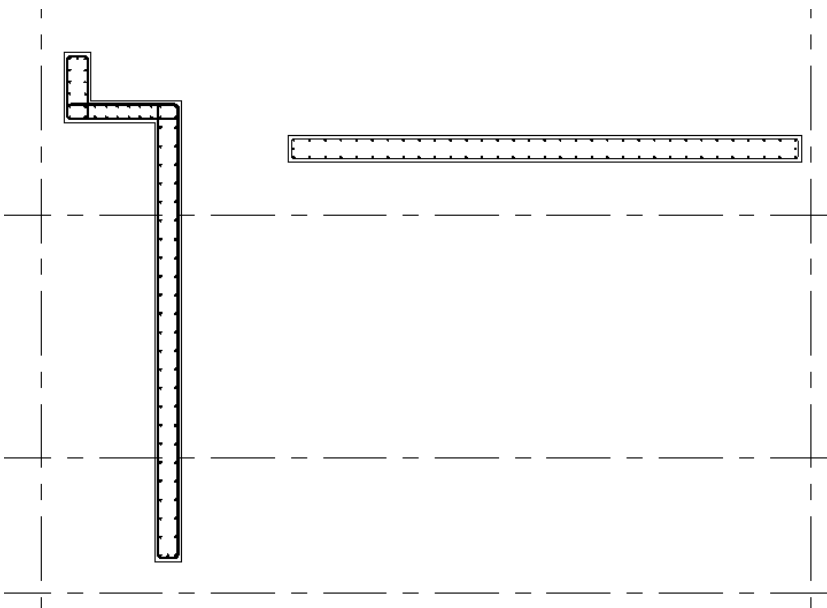
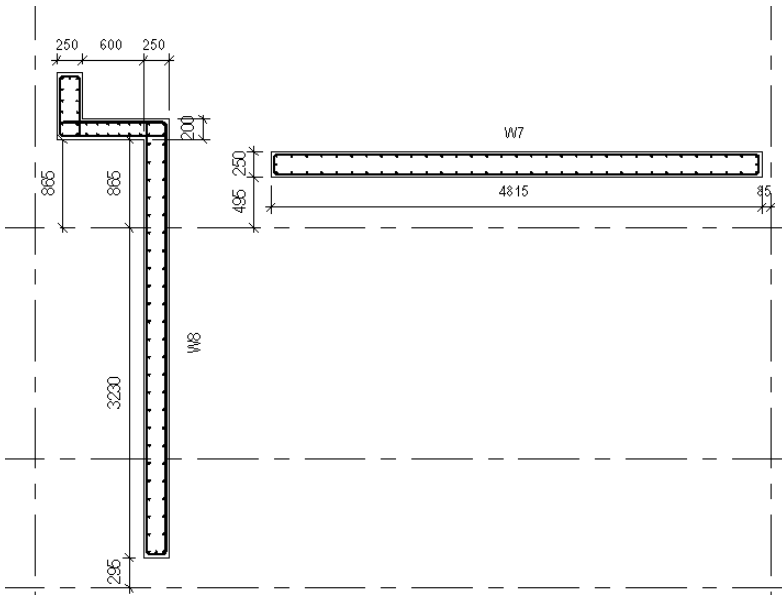
■ Graphical information ■ Non-graphical information ■ Schedule formula

WALL LOADING SCHEDULE ABOVE PILE CAP (1 OF 2)																															
WALL MARK	ANGLE	MIN DEAD LOAD (Dmin)						SDL						DEAD LOAD (DL) = Dmin + SDL						LIVE LOAD (LL)						DL + LL					
		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	200	200	0	700	0	-500	200	200	0	3000	0	-1400	400	400	0	400	0	-200	200	200	0	3400	0	-1600	600	600	0
BW2	0	3200	0	-600	200	200	0	1100	0	-300	200	200	0	4300	0	-900	400	400	0	700	0	-100	200	200	0	5000	0	-1000	600	600	0
Grand total: 2		5500	0	-1500	400	400	0	1800	0	-800	400	400	0	7300	0	-2300	800	800	0	1100	0	-300	400	400	0	8400	0	-2600	1200	1200	0

SCHEDULE

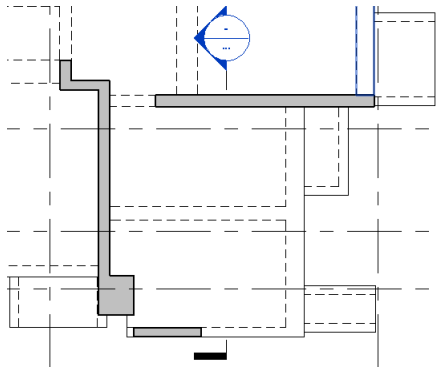


BIM OBJECT	STRUCTURAL WALL			
				<div></div>
<u>PLAN VIEW OF OBJECT</u>	<u>PLAN VIEW OF OBJECT (WITH ANNOTATION)</u>	<u>SECTION VIEW OF OBJECT</u>	<u>SECTIONVIEW OF OBJECT (WITH ANNOTATION)</u>	<u>3D VIEW(FOR REFERENCE ONLY)</u>

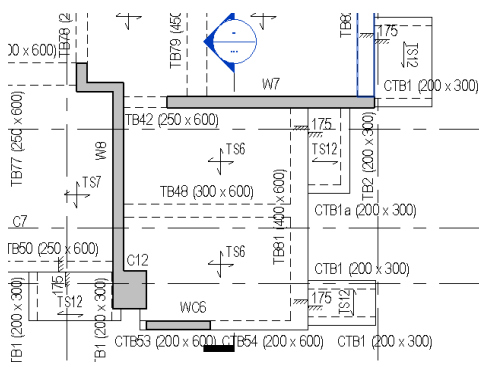
	<div><div><div></div> Graphical information</div><div></div> Non-graphical information</div> <div></div> Schedule formula																																						
<u>PLAN VIEW OF OBJECT WITH REBAR</u>	<div><div><div>LEGEND:</div><div><div></div> GRID LINE</div><div><div></div> VERTICAL BAR</div><div><div></div> HORIZONTAL BAR</div><div><div></div> BINDER</div></div><div>TYPICAL DETAIL OF WALL (N.T.S.)</div></div> <table><tr><th colspan="9">R.C. WALL SCHEDULE</th></tr><tr><th rowspan="2">FLOOR</th><th rowspan="2">WALL MARK</th><th rowspan="2">CONCRETE GRADE</th><th rowspan="2">THICKNESS (mm)</th><th rowspan="2">VERTICAL BARS</th><th rowspan="2">HORIZONTAL BARS</th><th colspan="2">BINDER</th><th rowspan="2">STEEL RATIO (%)</th></tr><tr><th>HORIZONTAL</th><th>VERTICAL</th></tr><tr><td>3/F</td><td>W7</td><td>C60</td><td>250</td><td>T25-150</td><td>T12-125</td><td>T12-200</td><td>150</td><td>1.3</td></tr><tr><td>3/F</td><td>W8</td><td>C60</td><td>250</td><td>T32-175</td><td>T12-125</td><td>T12-200</td><td>150</td><td>1.8</td></tr></table> <div><u>PLAN VIEW OF OBJECT WITH REBAR (WITH ANNOTATION)</u></div>	R.C. WALL SCHEDULE									FLOOR	WALL MARK	CONCRETE GRADE	THICKNESS (mm)	VERTICAL BARS	HORIZONTAL BARS	BINDER		STEEL RATIO (%)	HORIZONTAL	VERTICAL	3/F	W7	C60	250	T25-150	T12-125	T12-200	150	1.3	3/F	W8	C60	250	T32-175	T12-125	T12-200	150	1.8
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BIM OBJECT

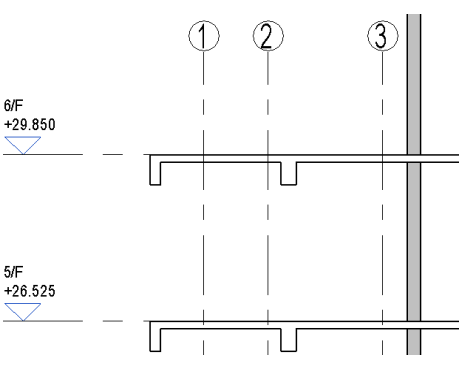
BEAM



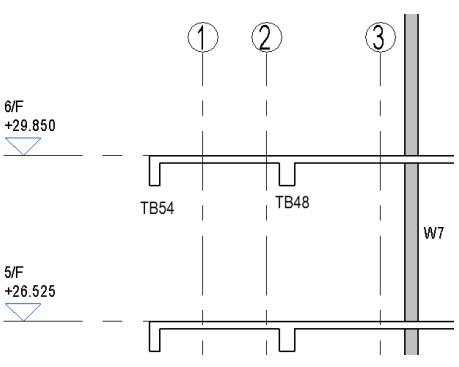
PLAN VIEW OF OBJECT



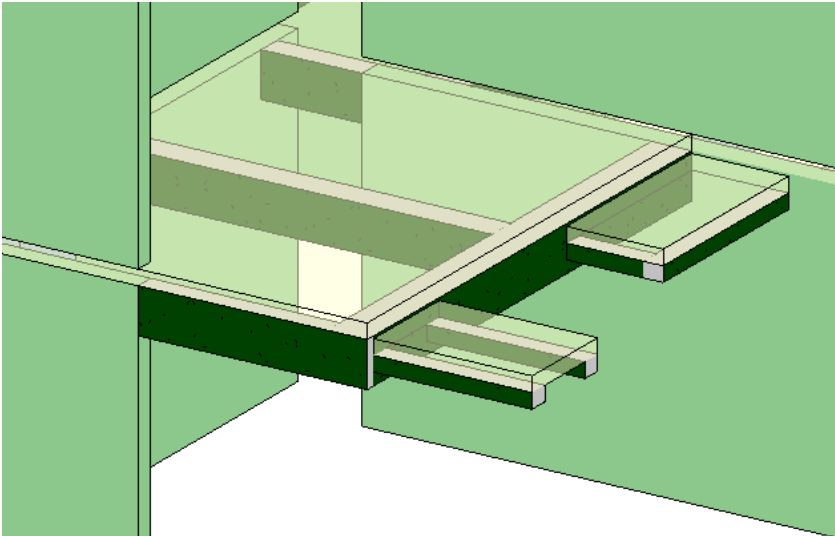
PLAN VIEW OF OBJECT WITH ANNOTATION



SECTION VIEW OF OBJECT



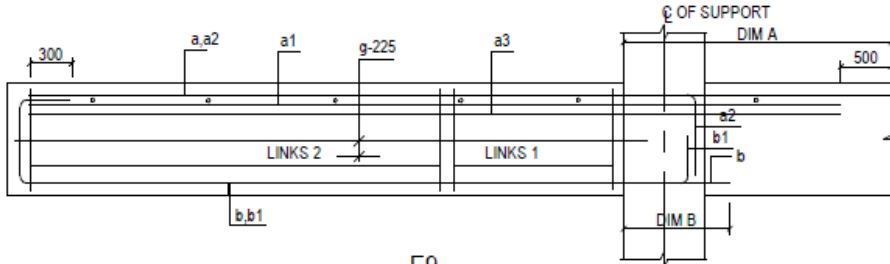
SECTIONVIEW OF OBJECT ANNOTATION



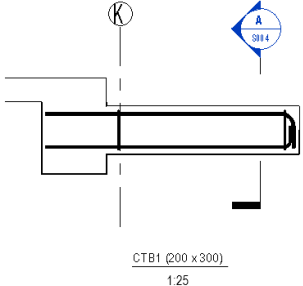
3D VIEW(FOR REFERENCE ONLY)

■ Graphical information ■ Non-graphical information ■ Schedule formula

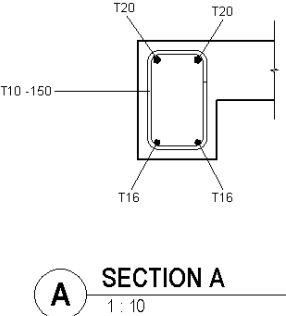
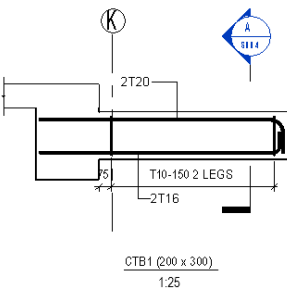
R.C. BEAM SCHEDULE																			
BEAM MARK	BEAM SIZE (BXD)	ELEV. REFER	REINFORCEMENT										REINFORCEMENT			DIMENSION			
			a	a1	a2	b	b1	c	d	e	f	g	LINKS 1	LINKS 2	LINKS 3	A	B	C	D
TB1	200 x 300	E9	2T20	-	-	-	2T16	-	-	-	-	-	←	T10-150(2 LEGS)	→	2550	-	-	-
TB1a	200 x 300	E9	2T20	-	-	-	2T16	-	-	-	-	-	←	T10-150(2 LEGS)	→	2550	-	-	-



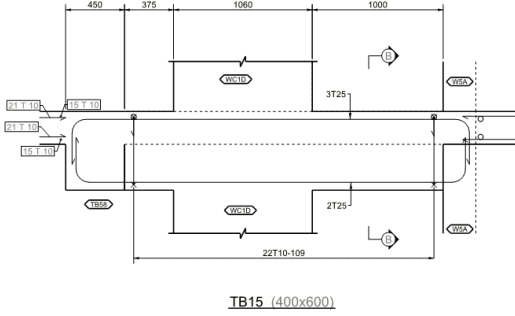
E9
RC DETAIL (SCHEDULE FORMAT)



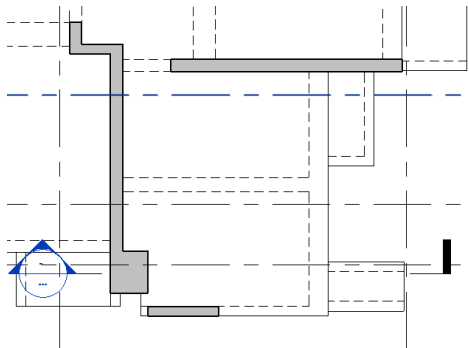
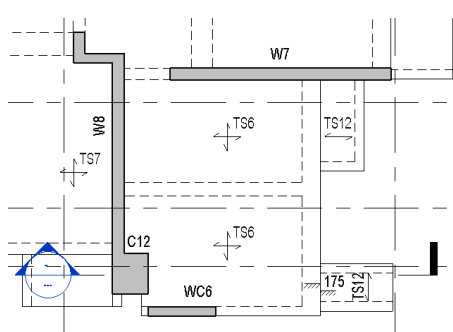
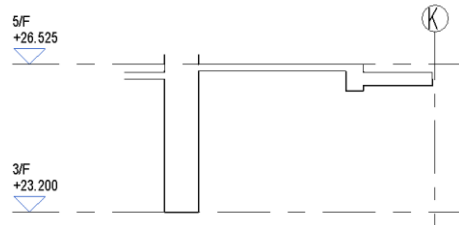
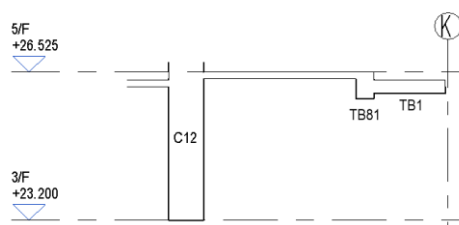
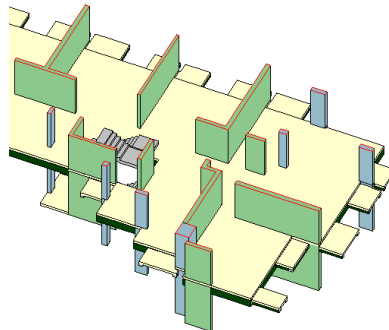
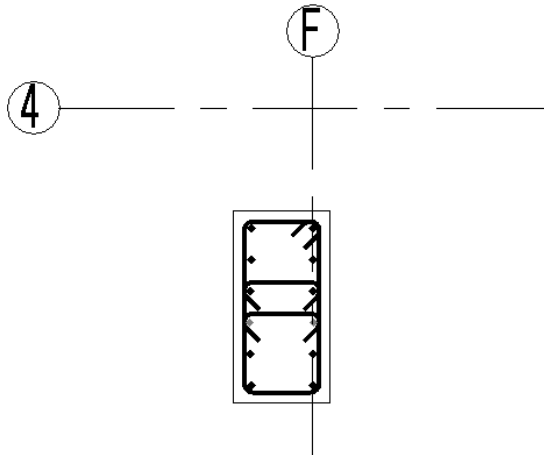
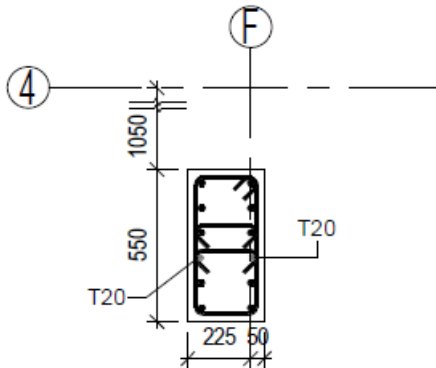
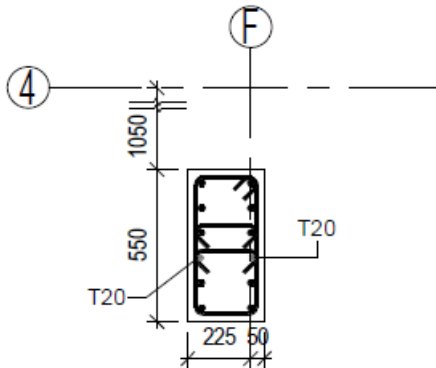
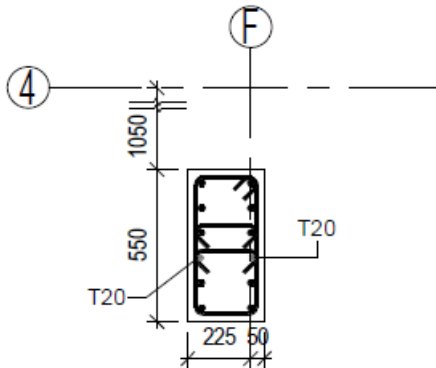
SECTION VIEW OF OBJECT WITH REBAR

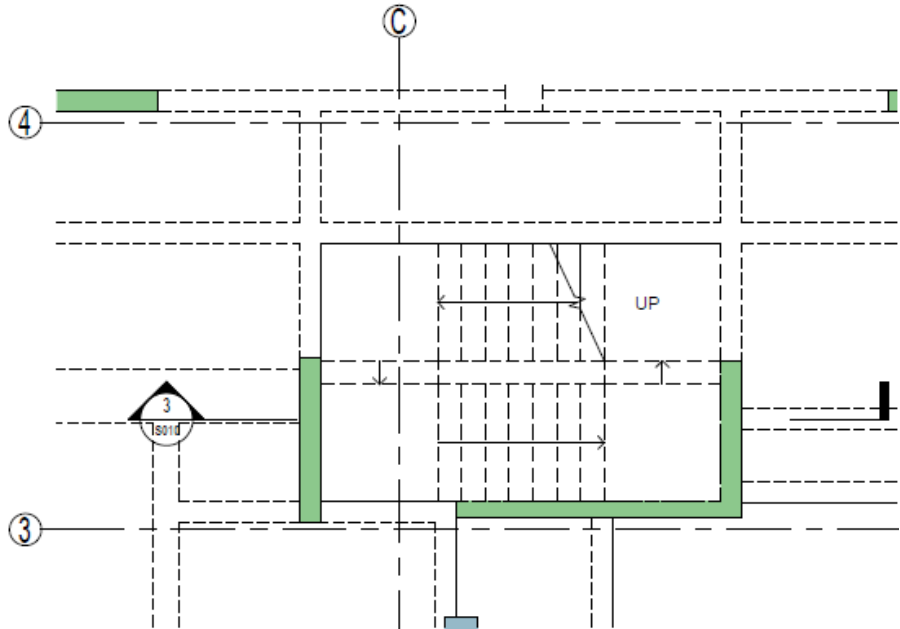
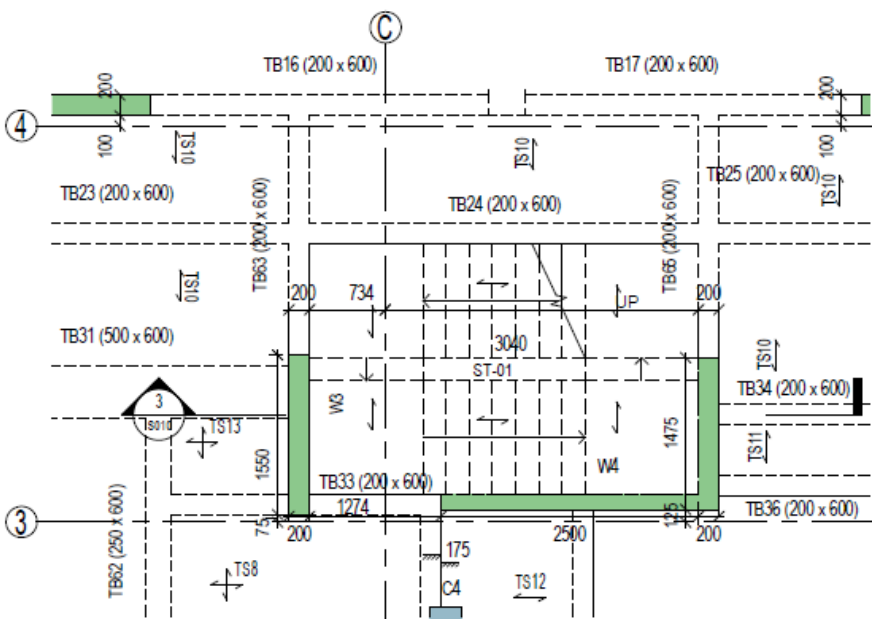
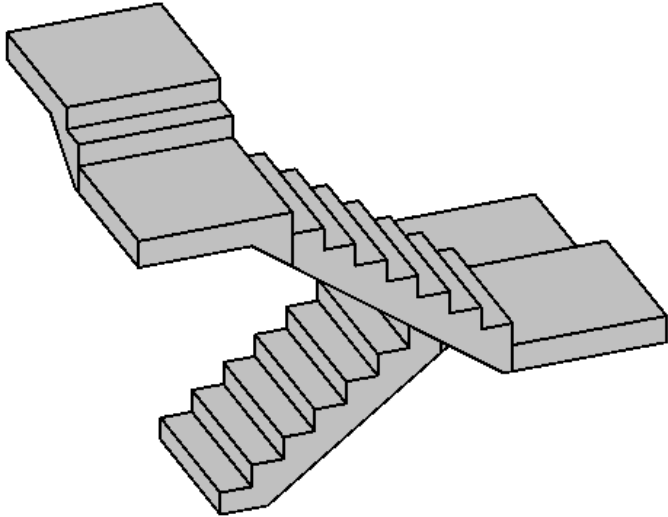
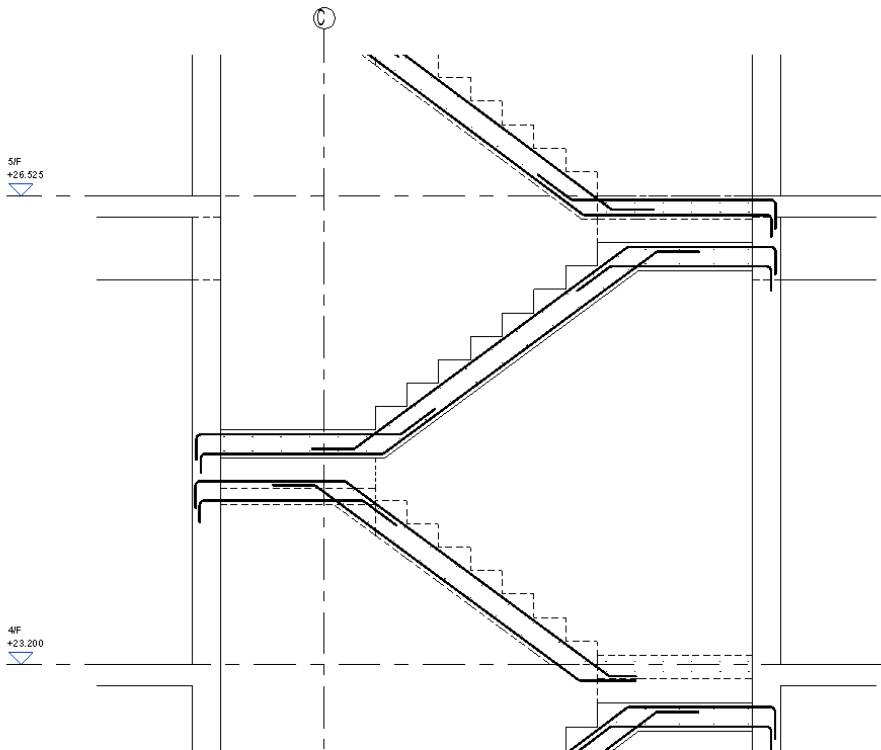
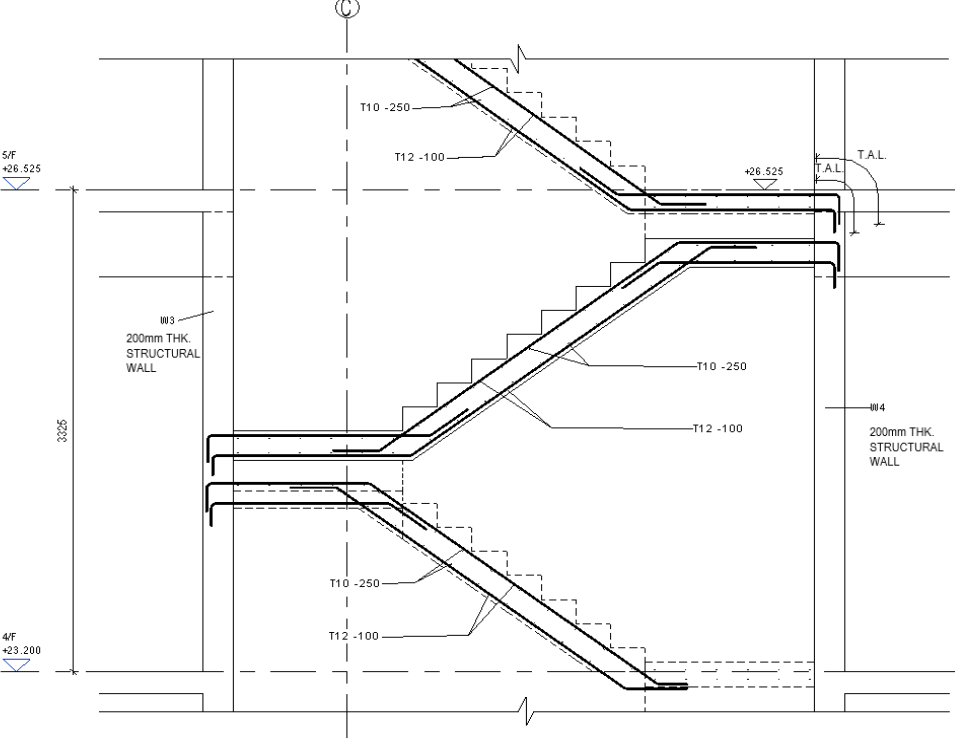


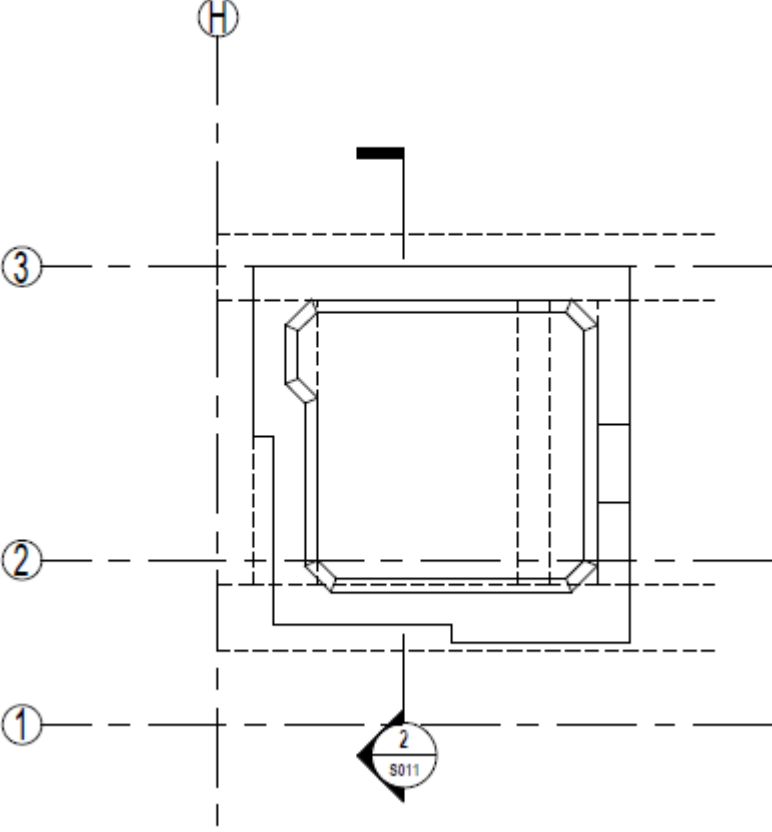
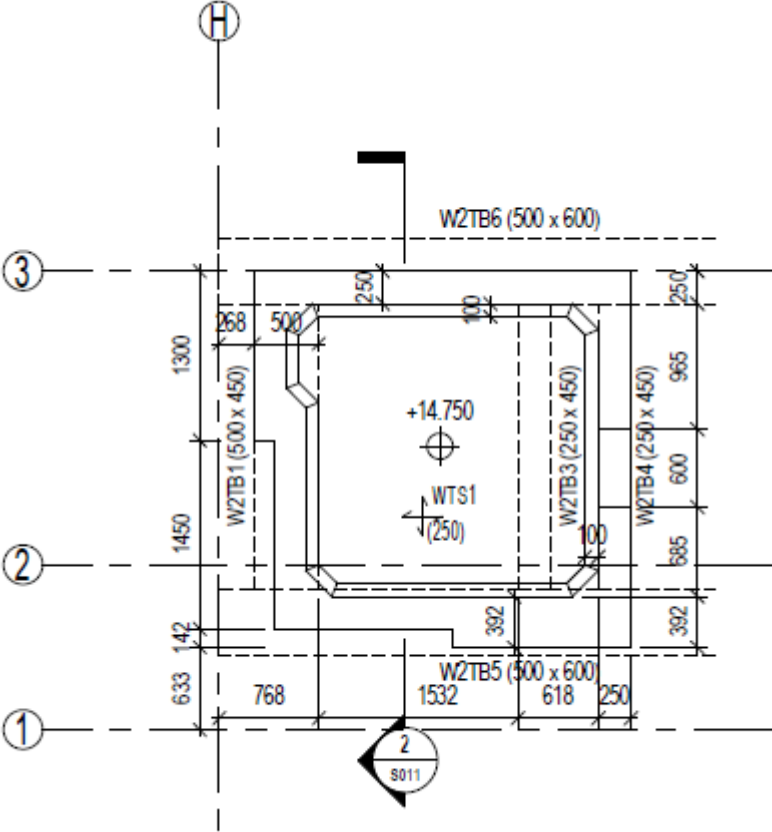
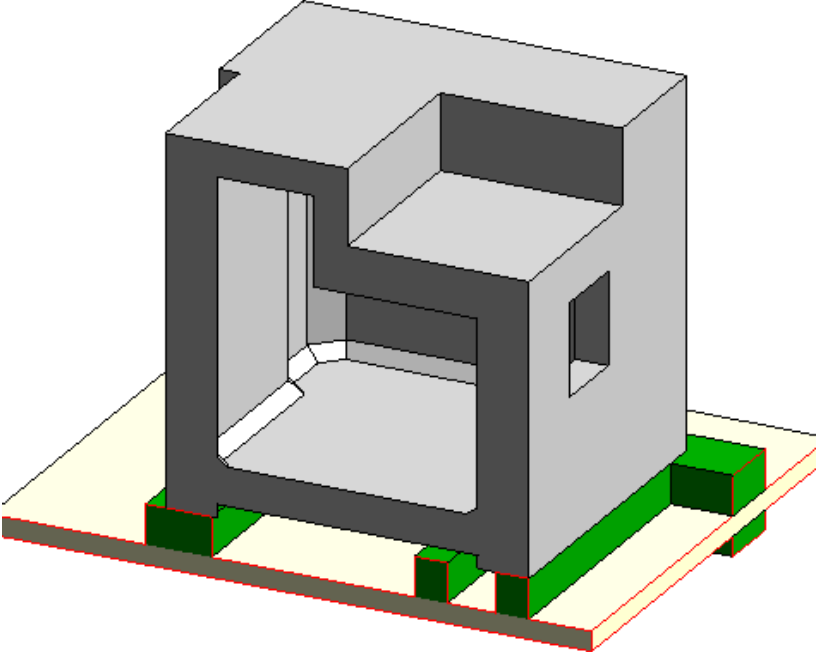
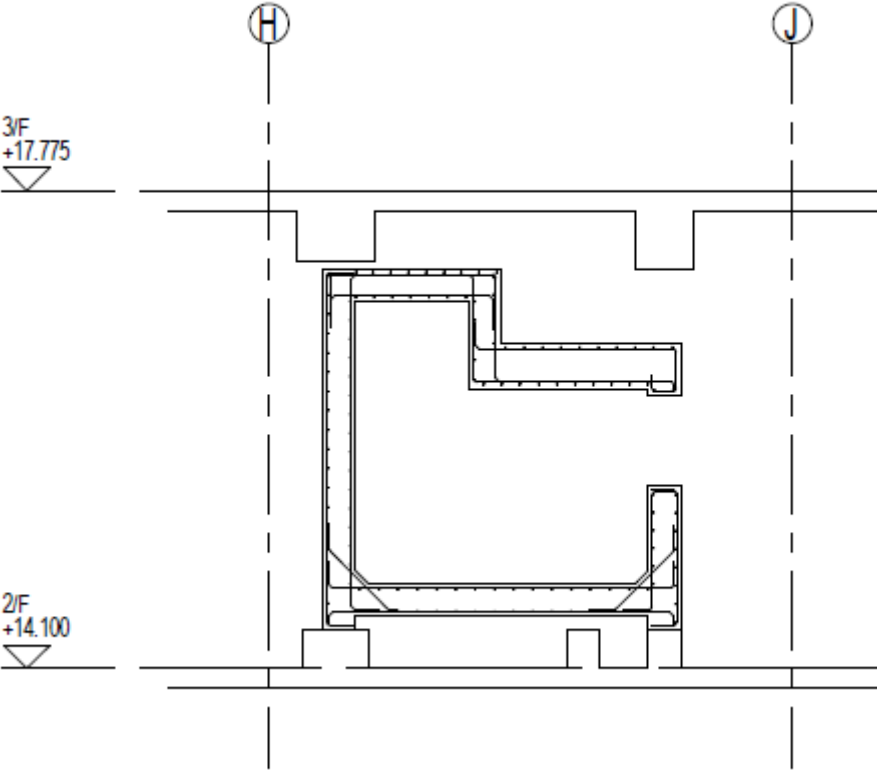
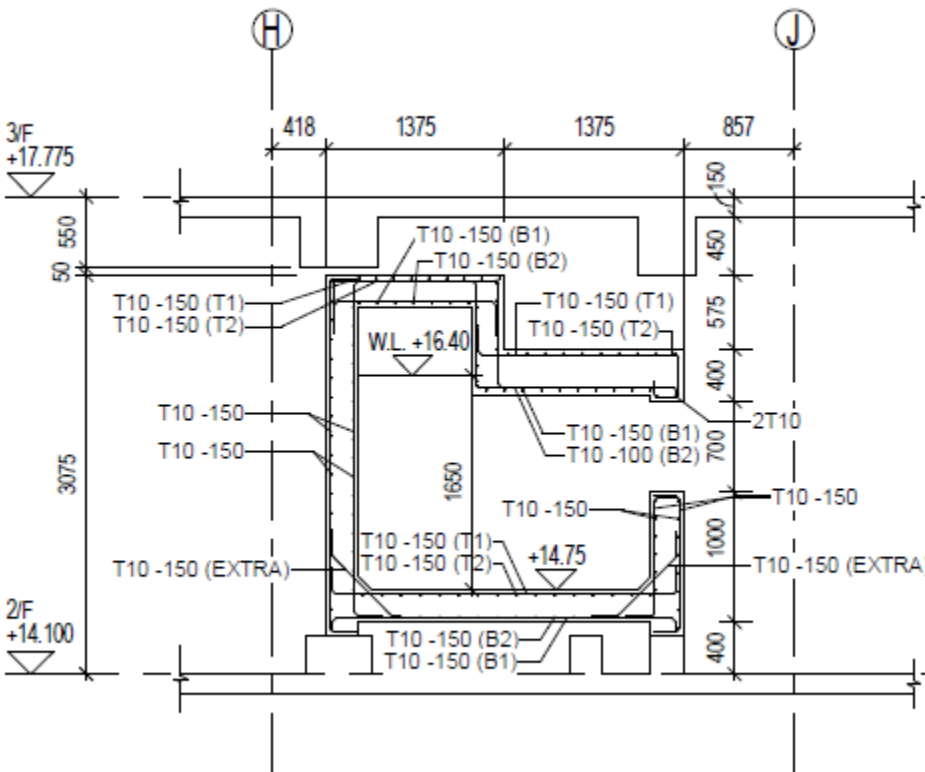
SECTION VIEW OF OBJECT WITH REBAR (WITH ANNOTATION)

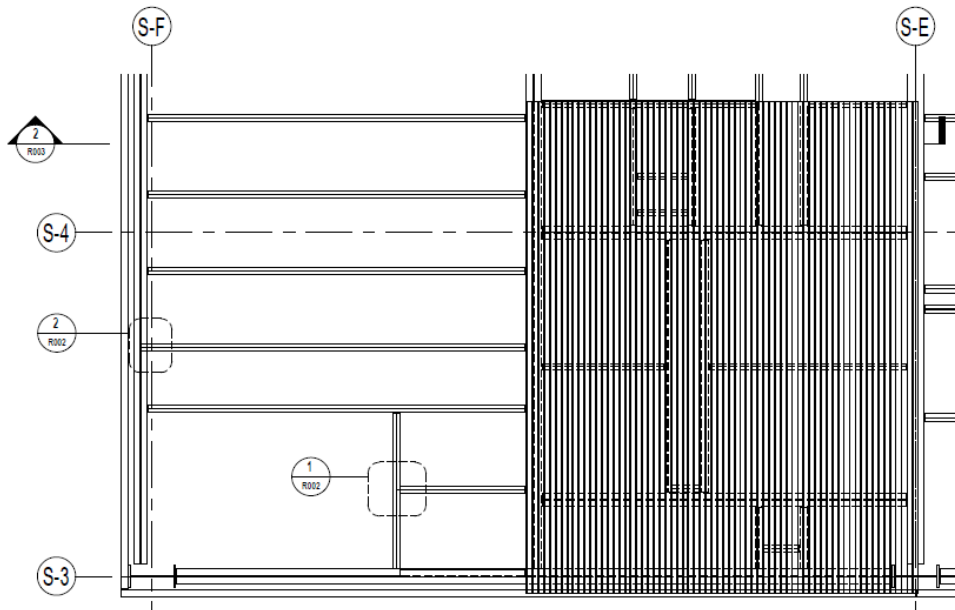
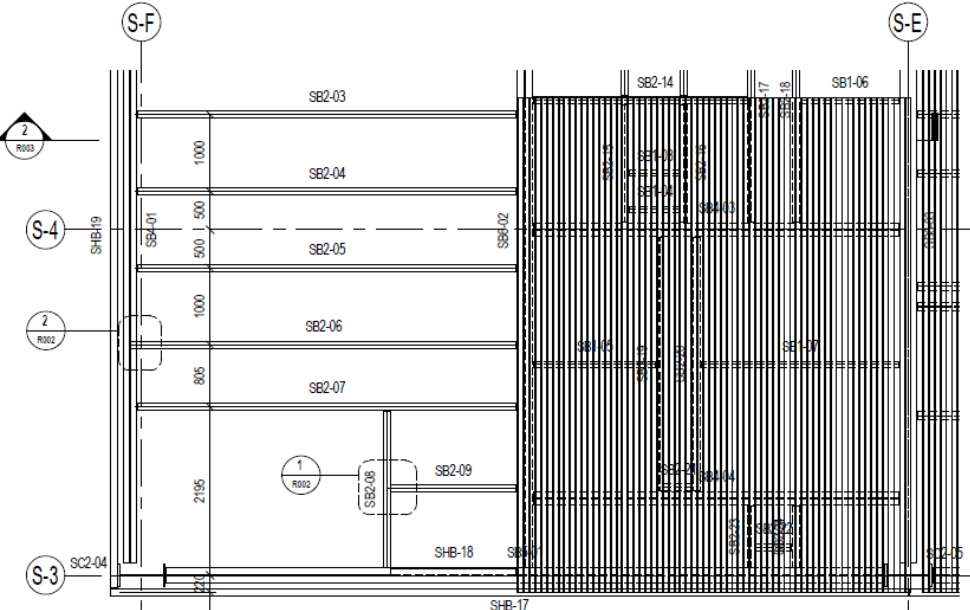
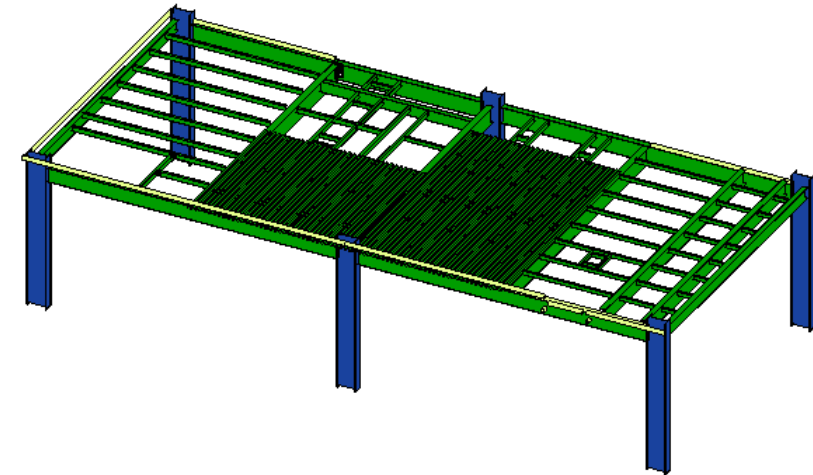
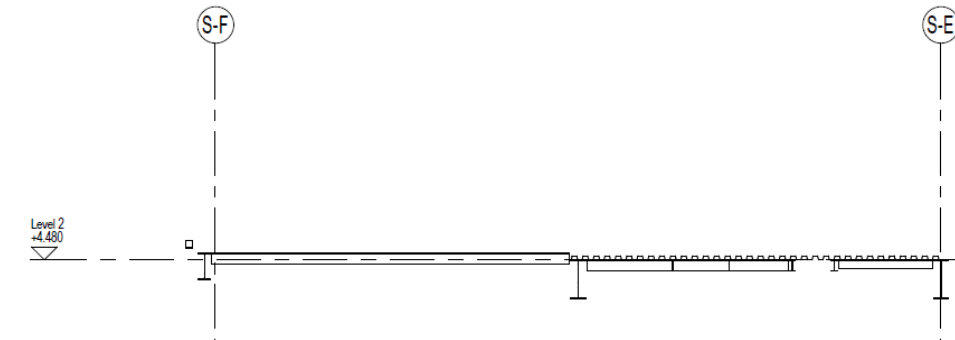
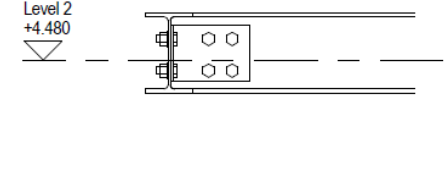
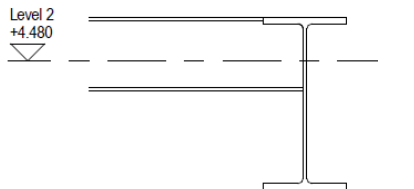
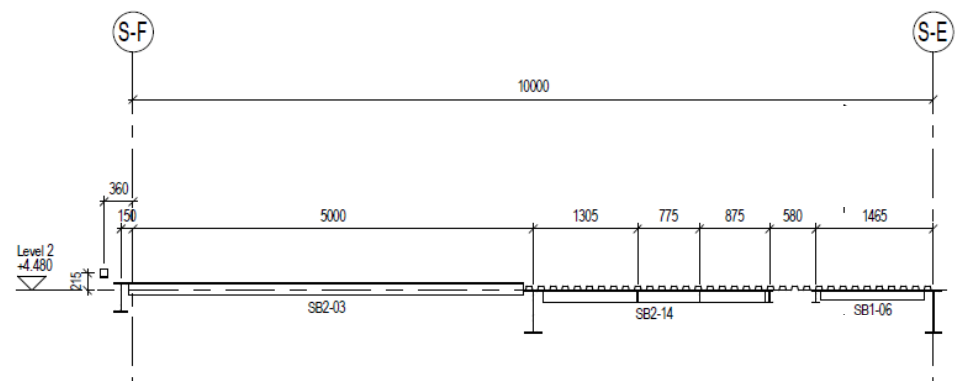
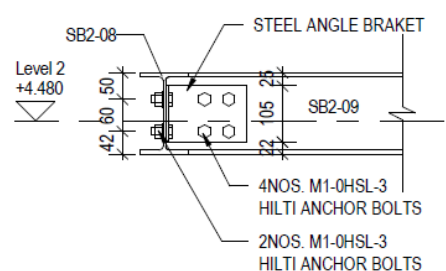
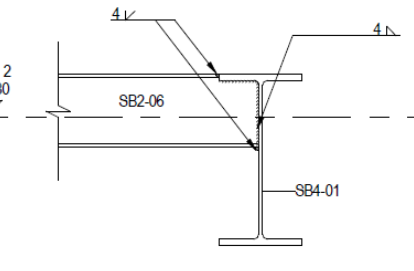


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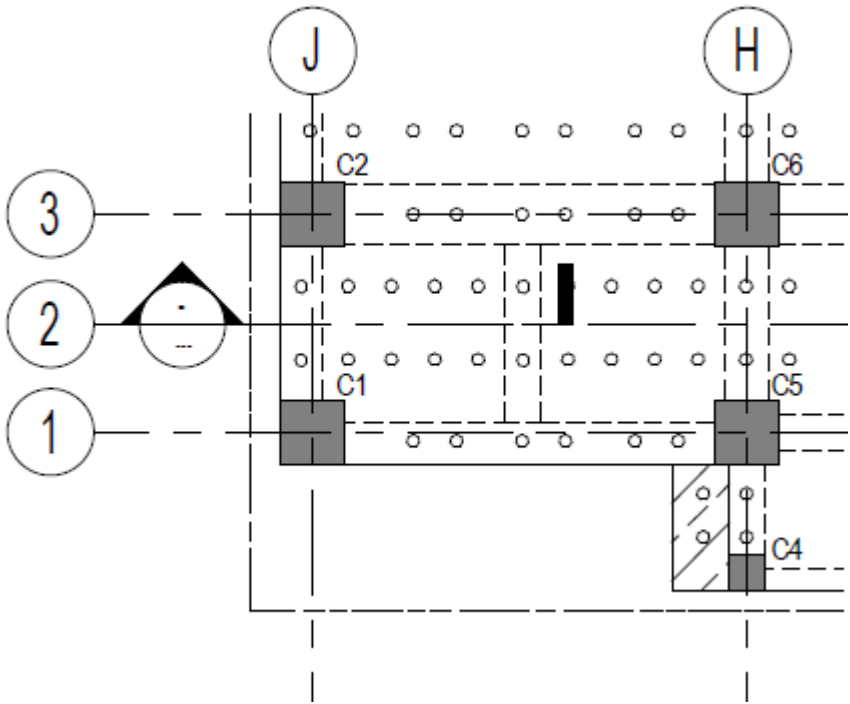
BIM OBJECT		STRUCTURAL COLUMN																																
																																		
PLAN VIEW OF OBJECT	PLAN VIEW OF OBJECT (WITH ANNOTATION)	SECTION VIEW OF OBJECT	SECTIONVIEW OF OBJECT (WITH ANNOTATION)	3D VIEW(FOR REFERENCE ONLY)																														
		<table><tr><td>29/F TO 5/F</td><td></td></tr><tr><td>COLUMN MARK</td><td>C10</td></tr><tr><td>COLUMN SIZE</td><td>275x550</td></tr><tr><td>VERT. BARS</td><td>10T25+2T20 (3.70%)</td></tr><tr><td>BINDERS IN TYPICAL REGION</td><td>T10-175</td></tr><tr><td>BINDERS IN CRITICAL REGION</td><td>T10-125</td></tr><tr><td>CRITICAL REGION H (mm)</td><td>1000</td></tr></table>		29/F TO 5/F		COLUMN MARK	C10	COLUMN SIZE	275x550	VERT. BARS	10T25+2T20 (3.70%)	BINDERS IN TYPICAL REGION	T10-175	BINDERS IN CRITICAL REGION	T10-125	CRITICAL REGION H (mm)	1000	<div>■ Graphical information ■ Non-graphical information</div> <table><tr><th colspan="2">COLUMN SCHEDULE</th></tr><tr><th>COLUMN MARK</th><th>SIZE (mm)</th></tr><tr><td>C1A</td><td>250 x 875</td></tr><tr><td>C1B</td><td>235 x 825</td></tr><tr><td>C1C</td><td>275 x 450</td></tr><tr><td>C2A</td><td>250 x 775</td></tr><tr><td>C2B</td><td>235 x 825</td></tr><tr><td>C2C</td><td>275 x 450</td></tr></table>	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
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PLAN VIEW OF OBJECT WITH REBAR		PLAN VIEW OF OBJECT WITH REBAR (WITH ANNOTATION)		SCHEDULE																														

BIM OBJECT	STAIRCASE	
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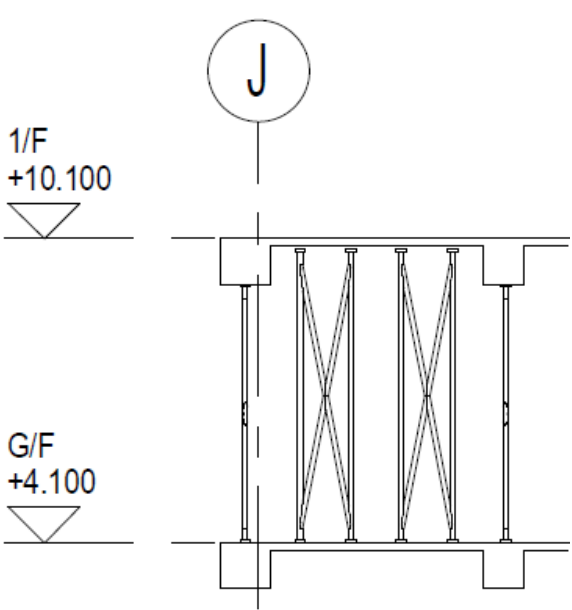
BIM OBJECT	WATER TANK	
 <p>PLAN VIEW OF OBJECT</p>	 <p>PLAN VIEW OF OBJECT WITH ANNOTATION</p>	 <p>3D VIEW(FOR REFERENCE ONLY)</p>
 <p>PLAN VIEW OF OBJECT WITH REBAR</p>	 <p>SECTION VIEW OF OBJECT WITH REBAR (WITH ANNOTATION)</p>	

BIM OBJECT	STEEL STRUCTURE																																																		
																																																			
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SECTION VIEW OF OBJECT	CONNECTION DETAIL OF OBJECT	<table><tr><th colspan="3">STEEL BEAM SCHEDULE</th></tr><tr><th>TYPE MARK</th><th>SIZE</th><th>STEEL GRADE</th></tr><tr><td>SB6</td><td>UB533x210x101</td><td>S355</td></tr><tr><td>SB5</td><td>UB457x191x74</td><td>S355</td></tr><tr><td>SB4</td><td>UB356x171x57</td><td>S355</td></tr><tr><td>SB3</td><td>UB203x102x23</td><td>S355</td></tr><tr><td>SB2</td><td>UB152x89x16</td><td>S355</td></tr><tr><td>SB1</td><td>UB127x76x13</td><td>S355</td></tr><tr><td>SHB</td><td>SHS100x100x4</td><td>S355</td></tr><tr><td>SCH1</td><td>CH305x89x42</td><td>S355</td></tr><tr><td>SCH2</td><td>CH203x76x24</td><td>S355</td></tr></table> <table><tr><th colspan="3">STEEL COLUMN SCHEDULE</th></tr><tr><th>TYPE MARK</th><th>SIZE</th><th>STEEL GRADE</th></tr><tr><td>SC1</td><td>UC152x152x30</td><td>S355</td></tr><tr><td>SC2</td><td>UB610x305x179</td><td>S355</td></tr><tr><td>SHC1</td><td>SHS100x100x4</td><td>S355</td></tr></table>		STEEL BEAM SCHEDULE			TYPE MARK	SIZE	STEEL GRADE	SB6	UB533x210x101	S355	SB5	UB457x191x74	S355	SB4	UB356x171x57	S355	SB3	UB203x102x23	S355	SB2	UB152x89x16	S355	SB1	UB127x76x13	S355	SHB	SHS100x100x4	S355	SCH1	CH305x89x42	S355	SCH2	CH203x76x24	S355	STEEL COLUMN SCHEDULE			TYPE MARK	SIZE	STEEL GRADE	SC1	UC152x152x30	S355	SC2	UB610x305x179	S355	SHC1	SHS100x100x4	S355
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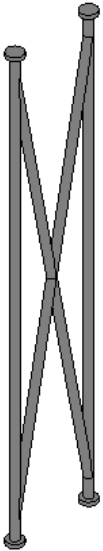
BIM OBJECT	PROPPING	



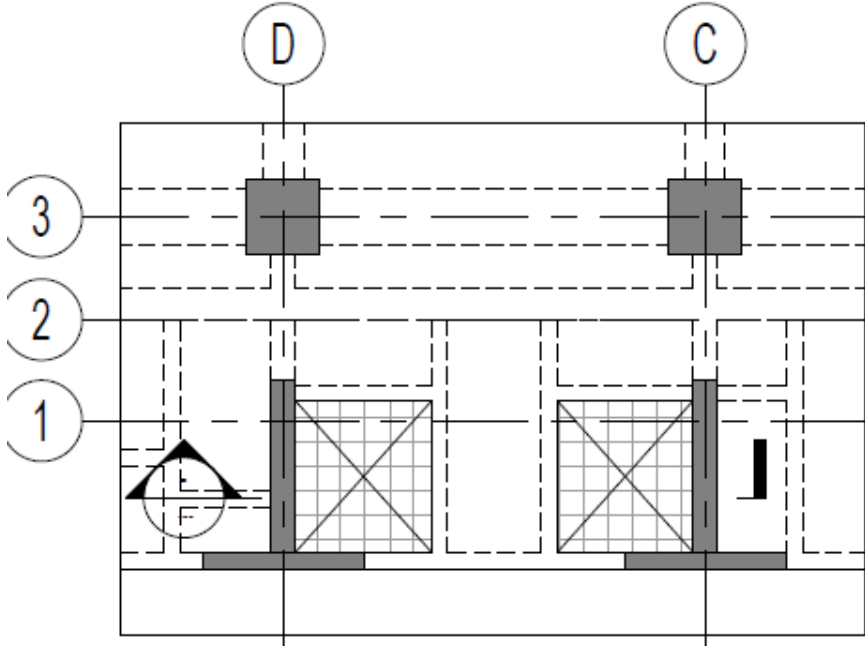
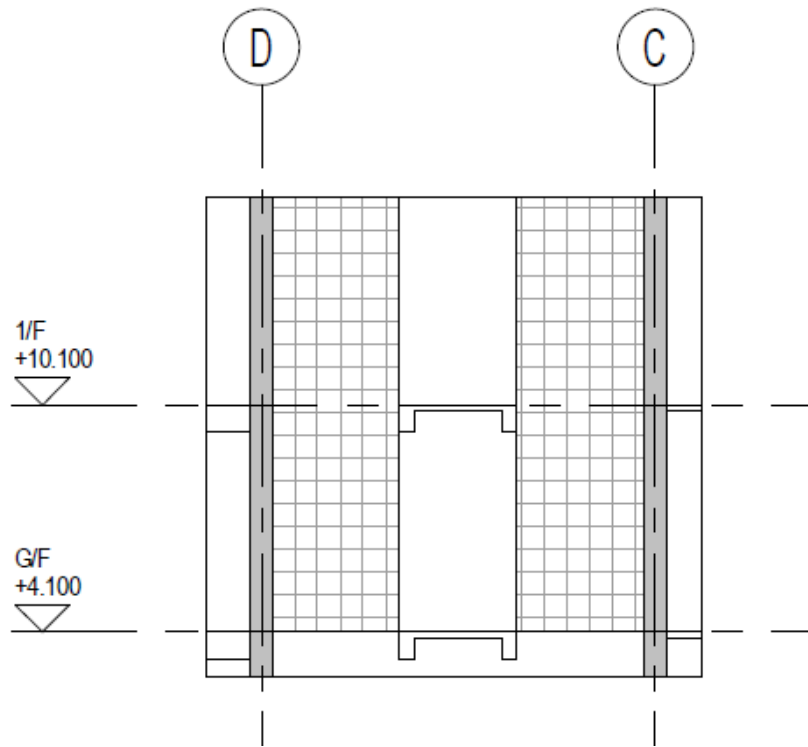
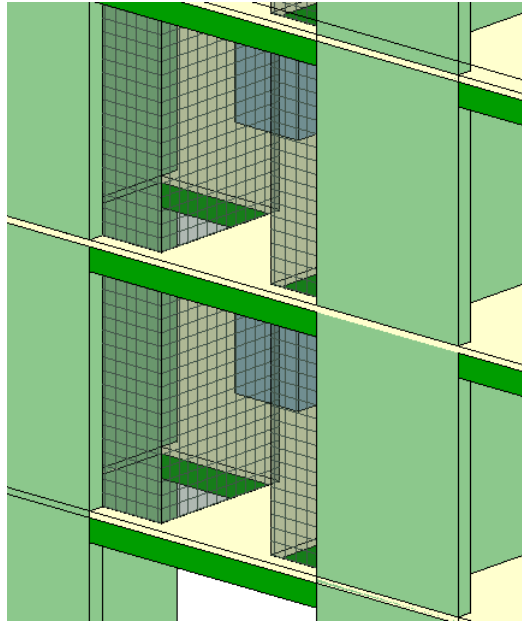
PLAN VIEW OF OBJECT



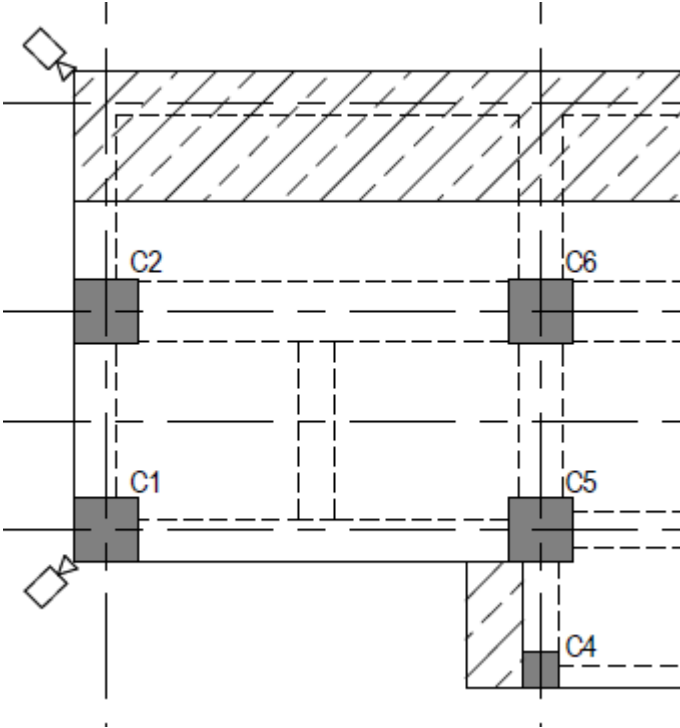
SECTION VIEW OF OBJECT



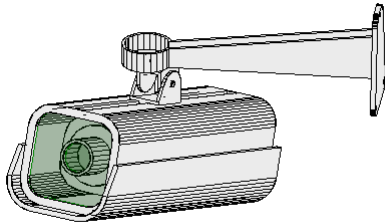
3D VIEW(FOR REFERENCE ONLY)

BIM OBJECT	DEBRIS CHUTE		
<div></div> <p>PLAN VIEW OF OBJECT</p>	<div></div> <p>SECTION VIEW OF OBJECT</p>	<div></div> <p>3D VIEW(FOR REFERENCE ONLY)</p>	

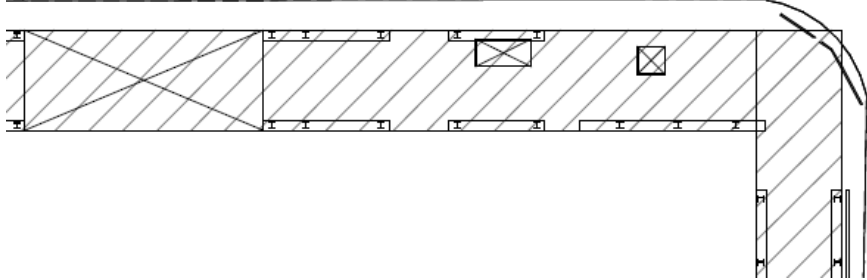
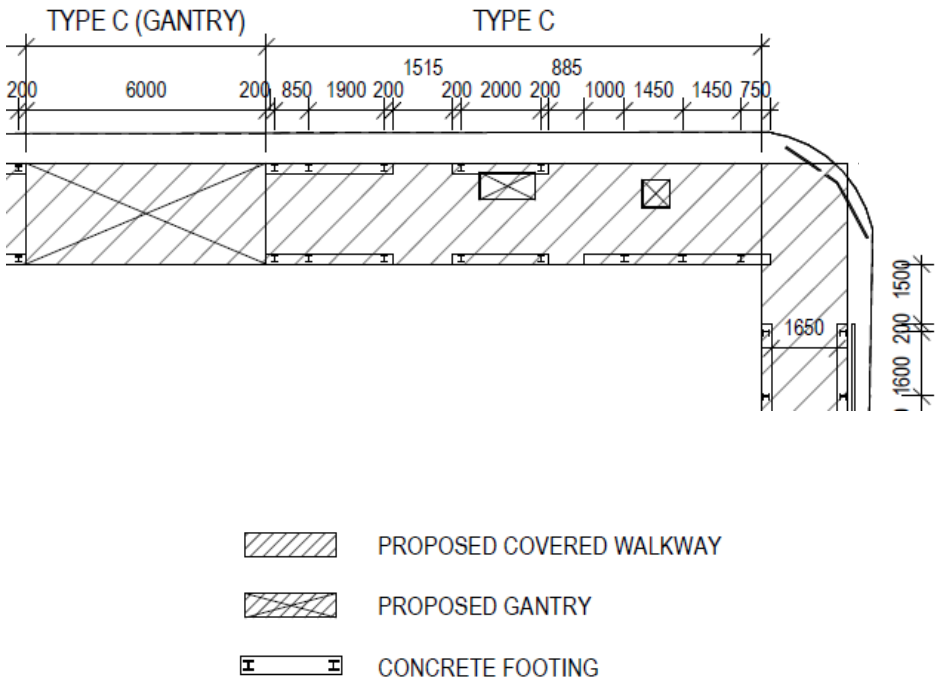
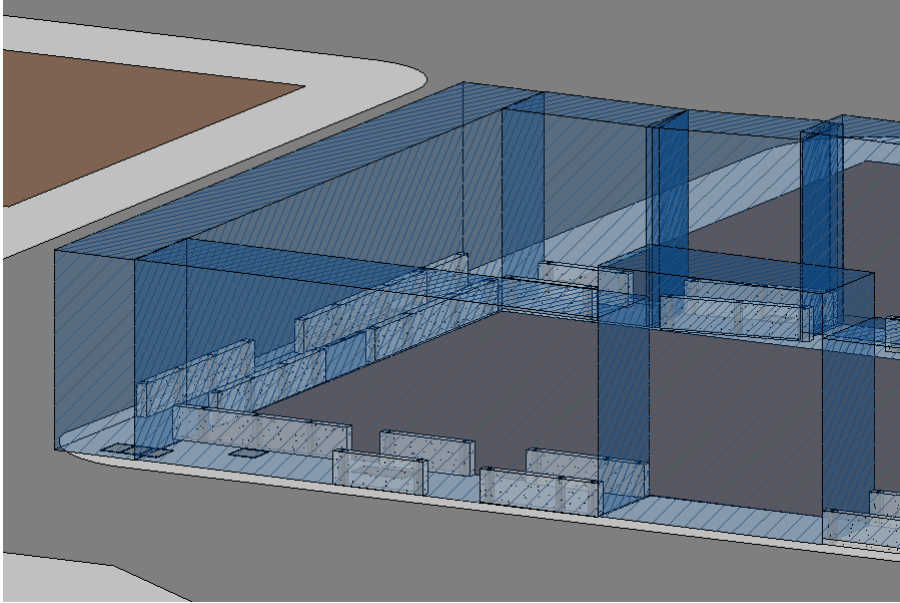
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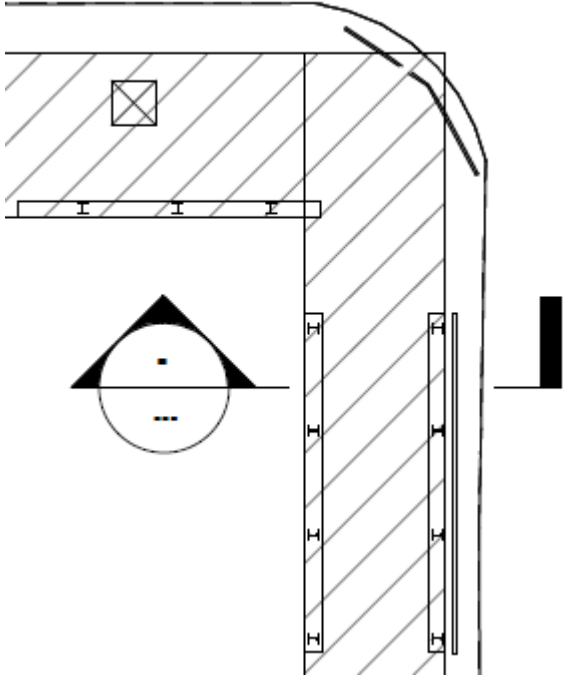
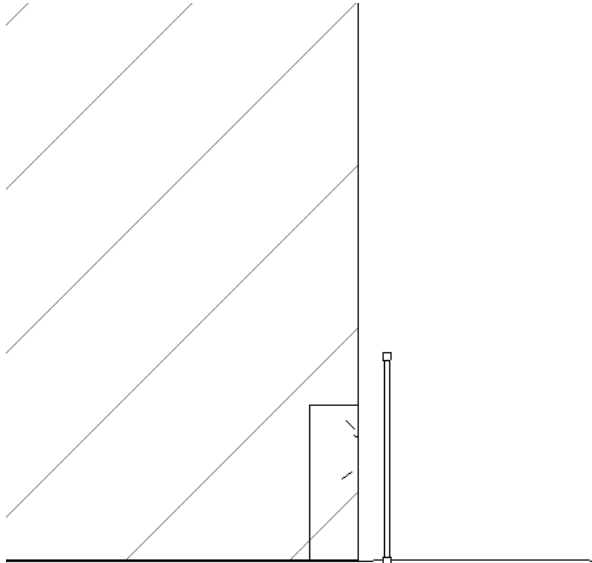
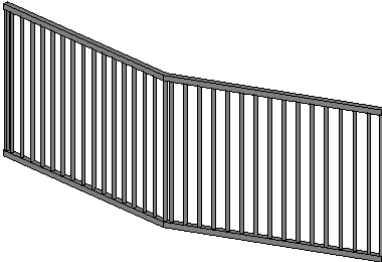


PLAN VIEW OF OBJECT

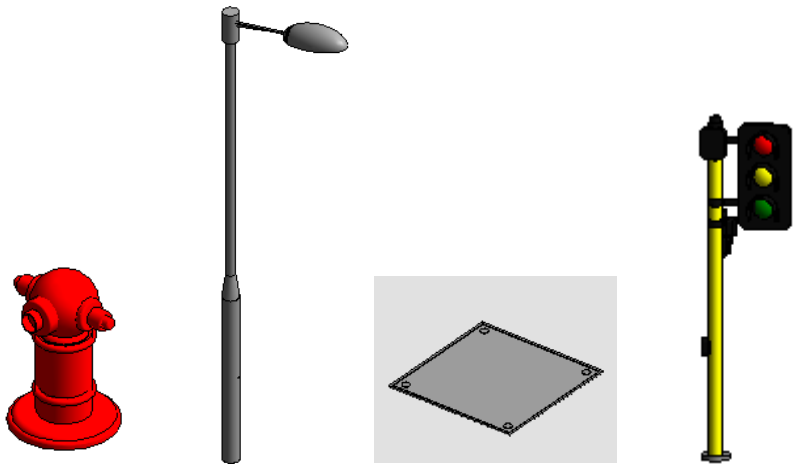
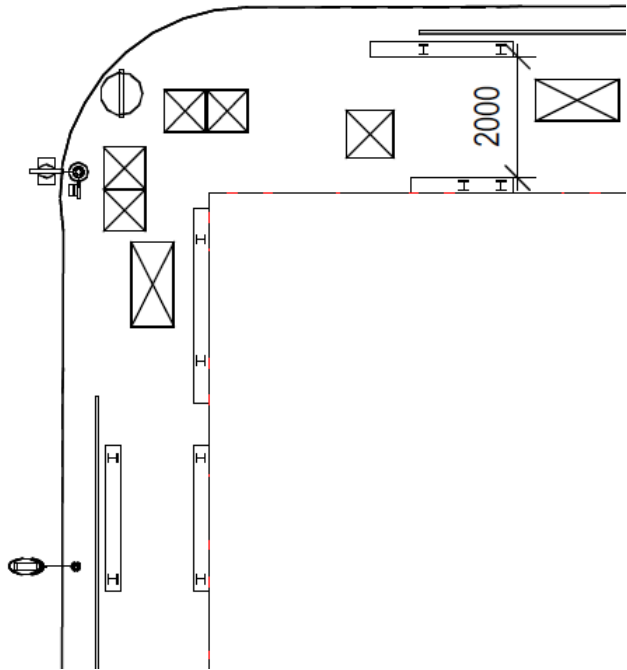


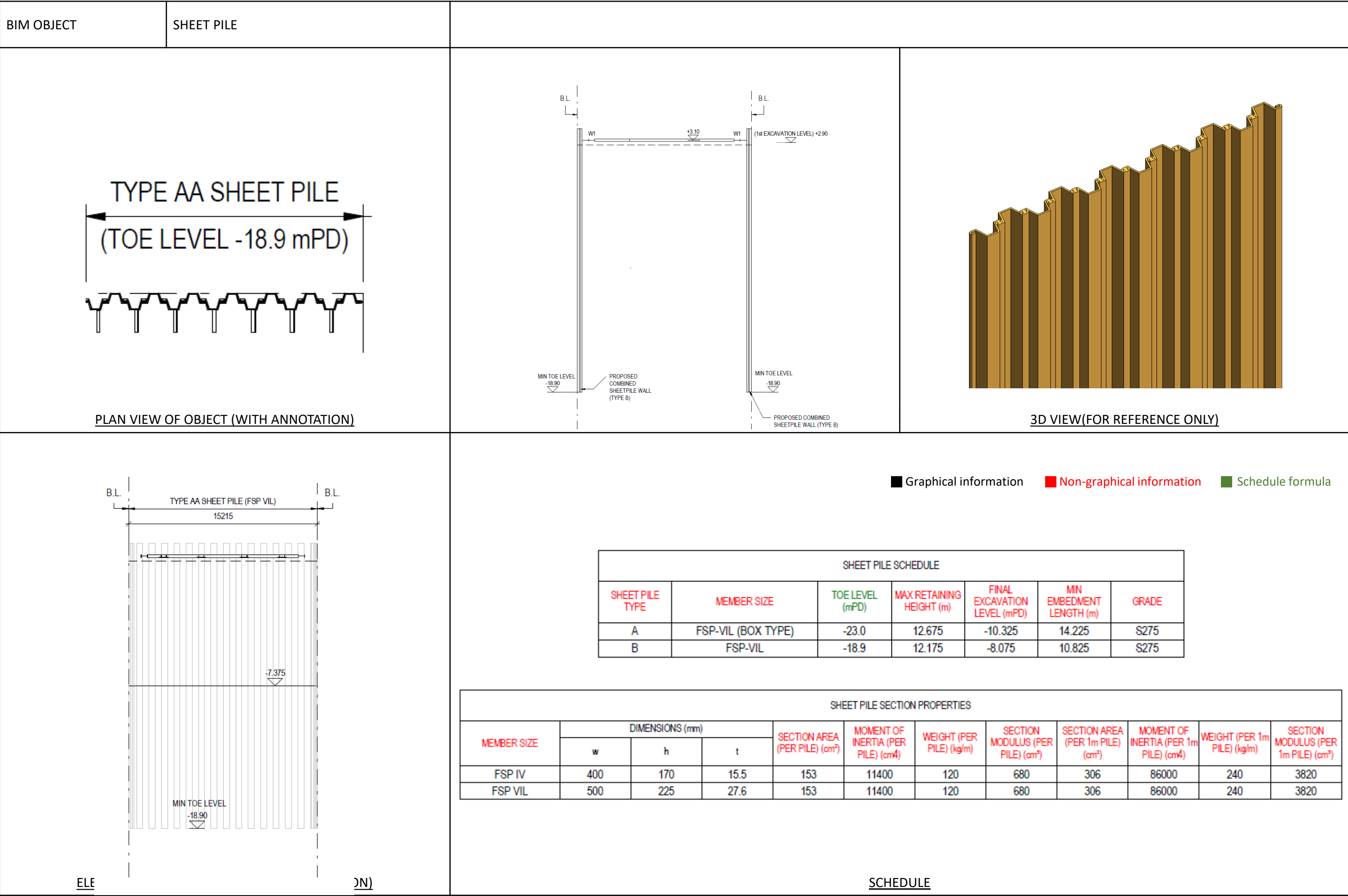
3D VIEW(FOR REFERENCE ONLY)

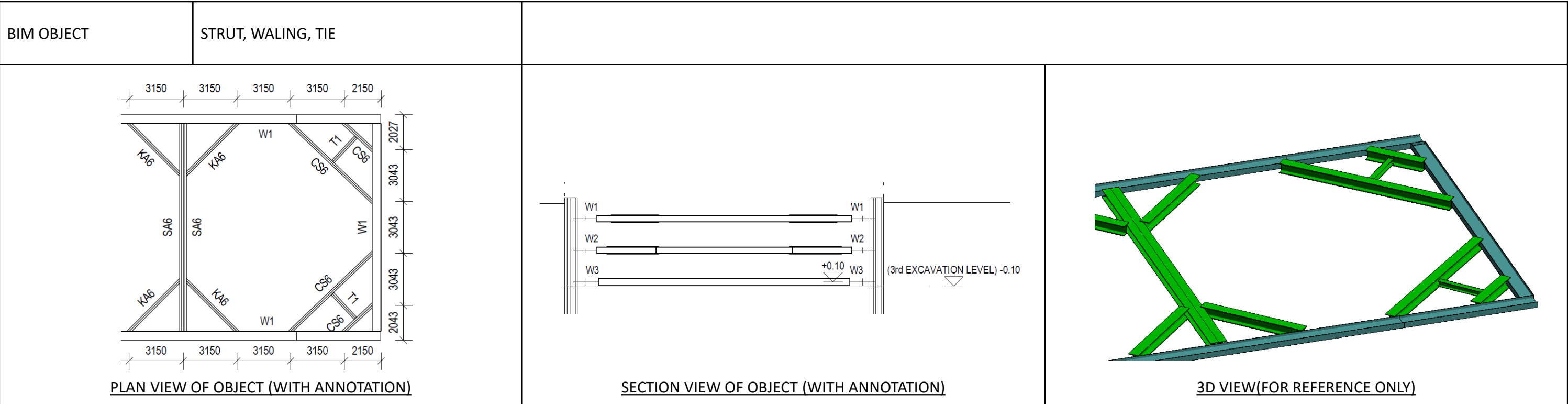
BIM OBJECT	HOARDING, GANTRY AND CONCRETE FOOTING	
 <p>PLAN VIEW OF OBJECT</p>	 <p>PLAN VIEW OF OBJECT (WITH ANNOTATION)</p>	 <p>3D VIEW(FOR REFERENCE ONLY)</p>

BIM OBJECT	RAILING		
<div data-bbox="290 296 816 926"></div> <div data-bbox="362 1031 750 1115"><div><div></div>PEDESTRIAN RAILING</div><div>PLAN VIEW OF OBJECT</div></div>		<div data-bbox="1228 436 1780 961"></div> <div data-bbox="1317 1083 1647 1115">SECTION VIEW OF OBJECT</div>	<div data-bbox="2249 598 2605 842"></div> <div data-bbox="2223 1083 2611 1115">3D VIEW(FOR REFERENCE ONLY)</div>

BIM OBJECT	STREET FURNITURES	
<p data-bbox="409 1087 688 1115"><u>PLAN VIEW OF OBJECT</u></p>		<p data-bbox="1748 1087 2145 1115"><u>3D VIEW(FOR REFERENCE ONLY)</u></p>







■ Graphical information ■ Non-graphical information ■ Schedule formula

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

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

SCHEDULE OF MAIN STRUT						
PILE TYPE	LAYER	WALING MEMBER SIZE	PRELOAD (kN/m)	PRELOAD PER STRUT (kN)	HORIZONTAL LOAD (kN/m)	DESIGN LOAD FOR STRUT (kN)
A	1	305X305X97 kg/m UC	20	95	86	569
A	2	305X305X97 kg/m UC	50	237	130	860

SECTION PROPERTIES OF WALING									
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm⁴)	WEIGHT (kg/m)	SECTION MODULUS (cm³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (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

SECTION PROPERTIES OF STRUTS									
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm⁴)	WEIGHT (kg/m)	SECTION MODULUS (cm³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
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

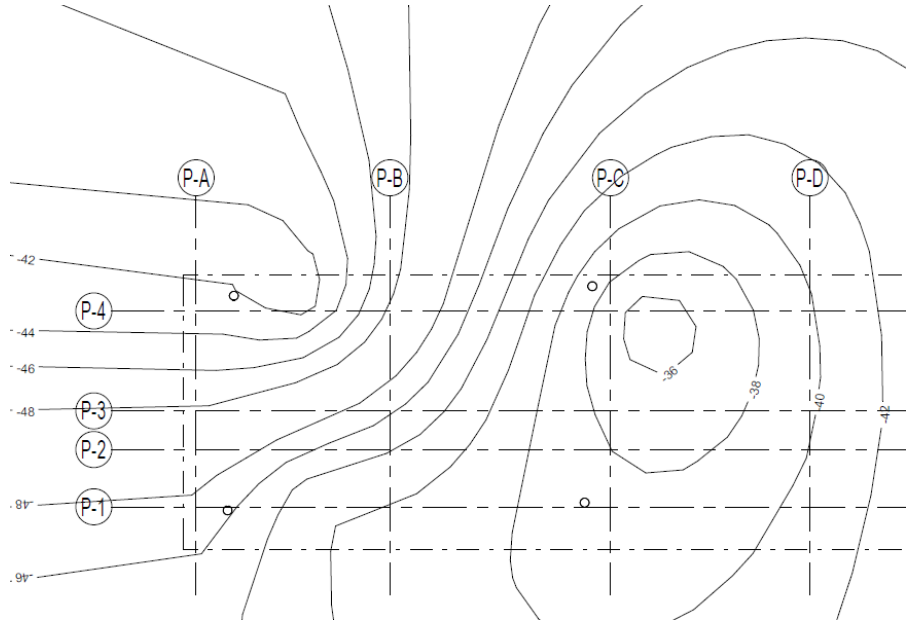
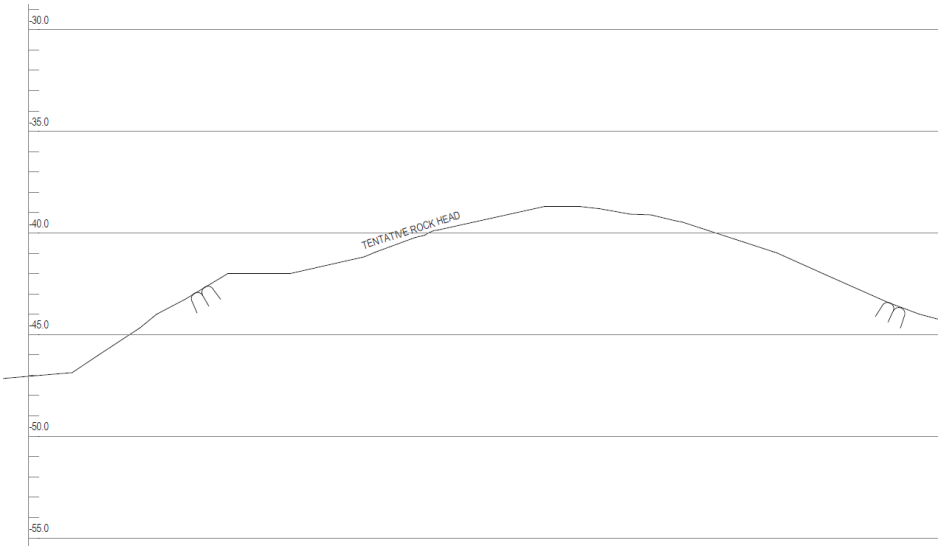
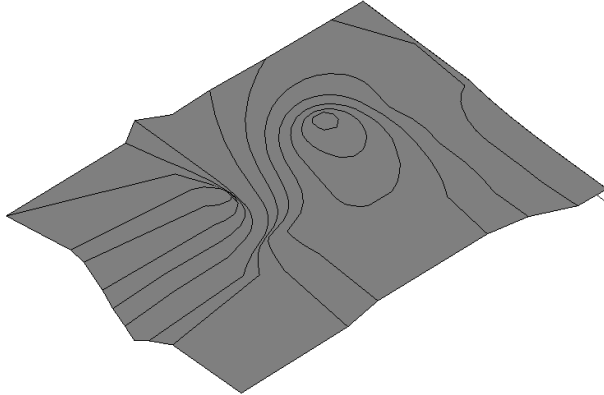
SCHEDULE OF WALING					
PILE TYPE	LAYER	WALING MEMBER SIZE	COMPRESSION (kN) =1.4*F _h * (1.414*3.15)	SHEAR (kN) =1.4*F _h * (0.6*3.15)	MOMENT (kNm) =1.4*F _h * (3.15*2/9)
A	1	533x210x92 kg/m UB	531	228	100
A	2	533x210x92 kg/m UB	803	344	151

SCHEDULE OF SECONDARY STRUT AND CORNER STRUT			
PILE TYPE	LAYER	WALING MEMBER SIZE	STRUT LEVEL (mPD)
A	1	356X368X202 kg/m UC	+3.1
A	2	356X368X202 kg/m UC	+1.6

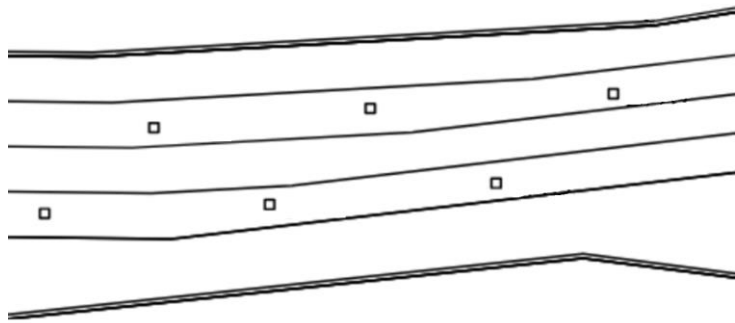
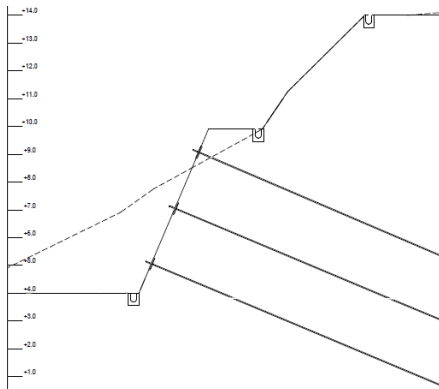
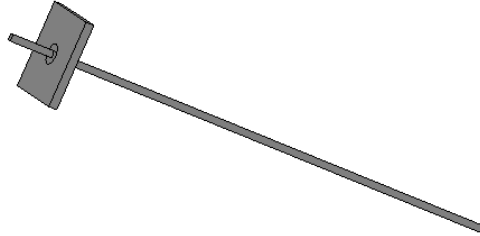
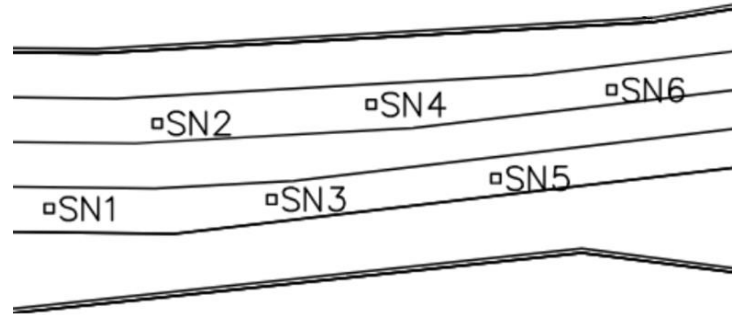
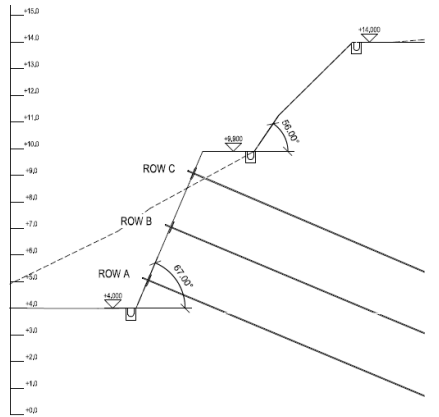
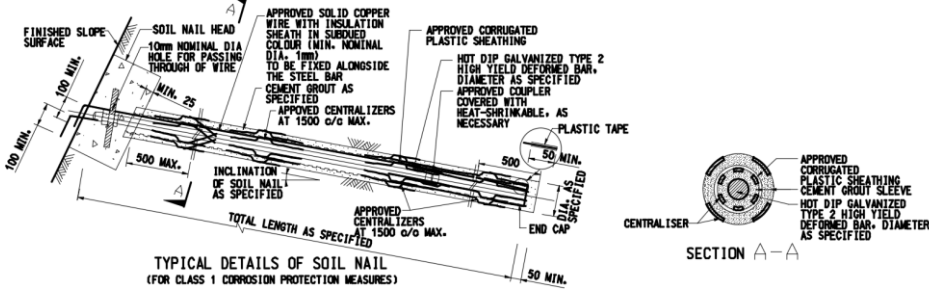
SECTION PROPERTIES OF SHORT STRUT / SPACER									
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm⁴)	WEIGHT (kg/m)	SECTION MODULUS (cm³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
152x89x24 kg/m CH	S355	30.4	1168	23.87	153	152.4	88.9	7.1	11.6

SECTION PROPERTIES OF HORIZONTAL TIE									
ITEM	GRADE	SECTION AREA (cm²)	MOMENT OF INERTIA (cm⁴)	WEIGHT (kg/m)	SECTION MODULUS (cm³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
203X203X46 kg/m UC	S355	58.7	4570	46	450	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 (cm³)	DEPTH D (mm)	WIDTH B (mm)	WEB THICKNESS t (mm)	FLANGE THICKNESS T (mm)
356X368X174 kg/m UBP	S355	221	51000	173.9	2820	361.4	378.5	20.3	20.4

BIM OBJECT	ROCK PROFILE	
 <p>PLAN VIEW OF OBJECT (WITH ANNOTATION)</p>	 <p>SECTION VIEW OF OBJECT (WITH ANNOTATION)</p>	 <p>3D VIEW(FOR REFERENCE ONLY)</p>

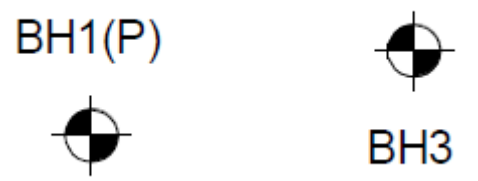
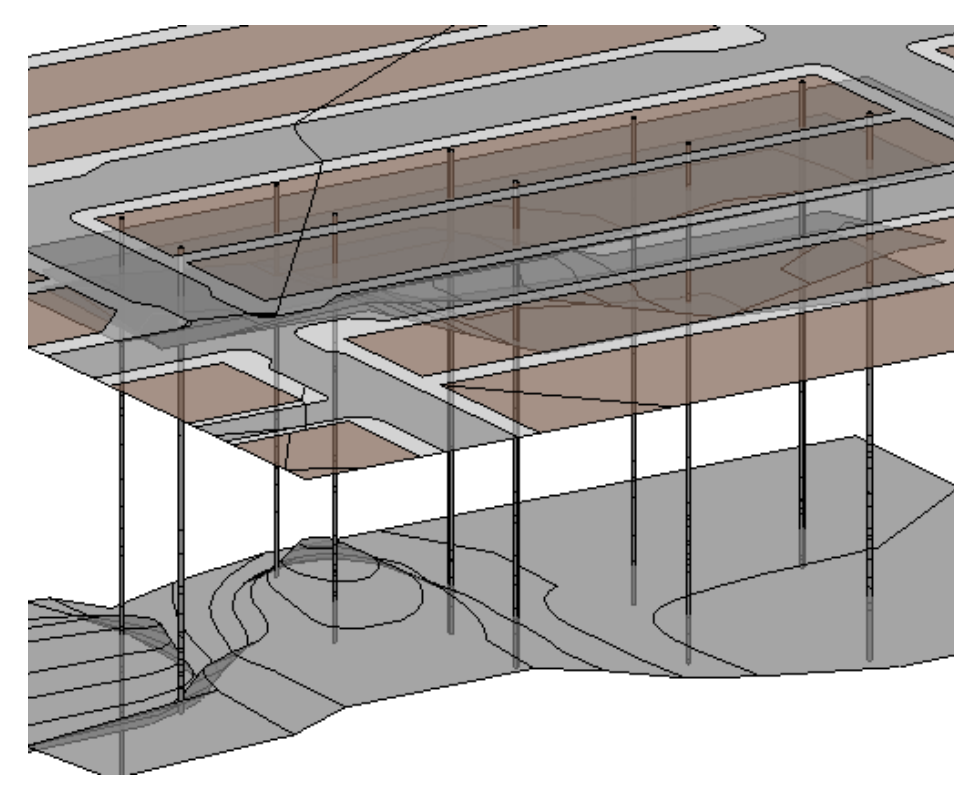
BIM OBJECT	SOIL PROFILE		
<div><p>LEGEND: (+5.0) SLOPE BERM / PLATFORM LEVEL</p><p>PLAN VIEW OF OBJECT (WITH ANNOTATION)</p></div>	<div><p>SECTION VIEW OF OBJECT (WITH ANNOTATION)</p></div>	<div><p>3D VIEW(FOR REFERENCE ONLY)</p></div>	

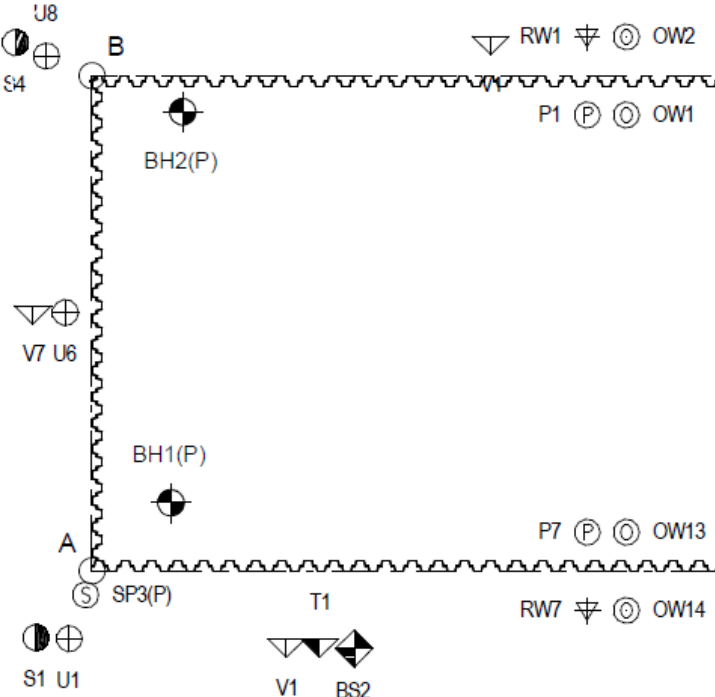

BIM OBJECT	SOIL NAIL		
 <p>PLAN VIEW OF OBJECT</p>		 <p>SECTION VIEW OF OBJECT</p>	 <p>3D VIEW(FOR REFERENCE ONLY)</p>
 <p>PLAN VIEW OF OBJECT (WITH ANNOTATION)</p>		 <p>SECTION VIEW OF OBJECT (WITH ANNOTATION)</p>	 <p>DETAILS (2D DRAFTING)</p>

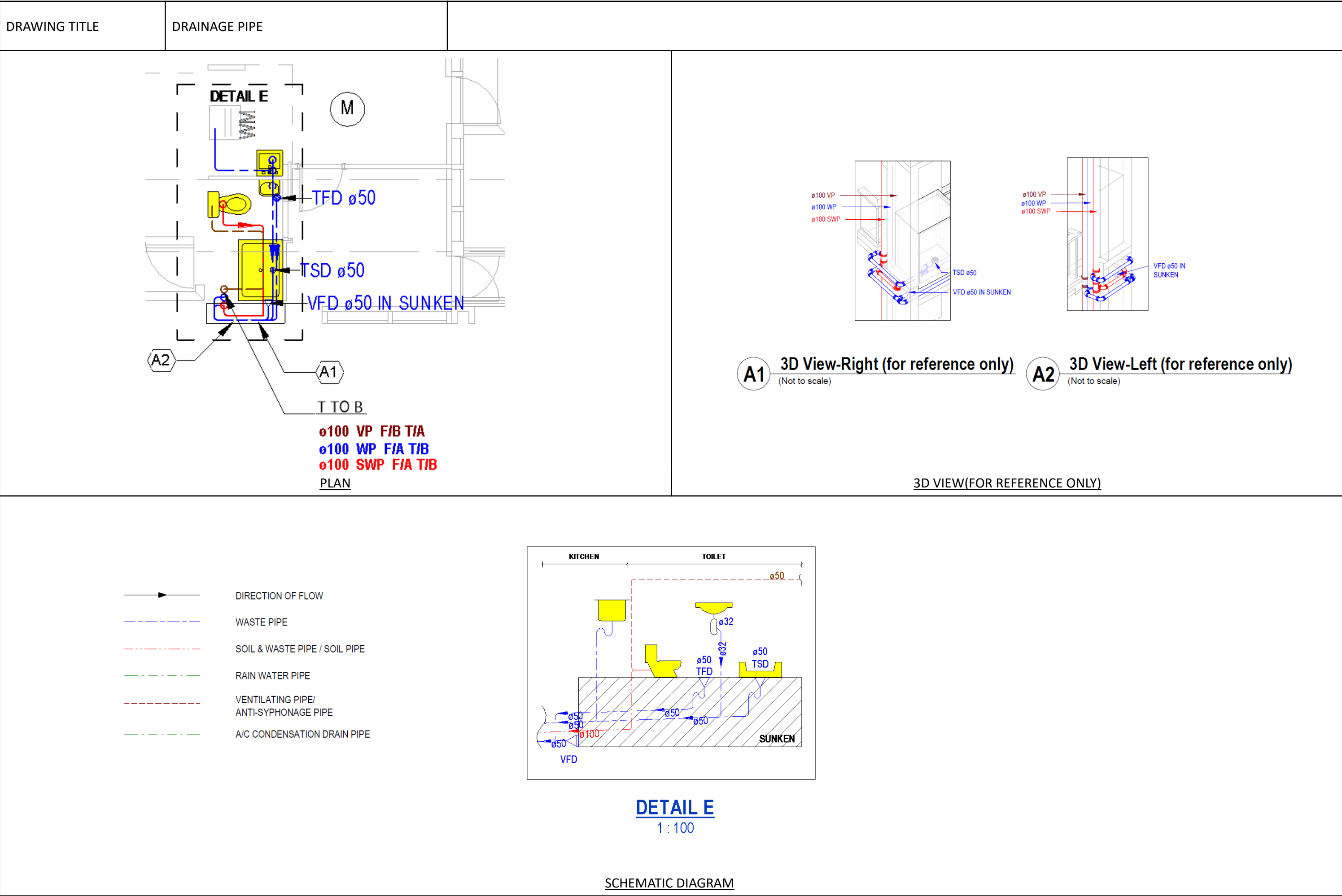
■ Graphical information
 ■ Non-graphical information

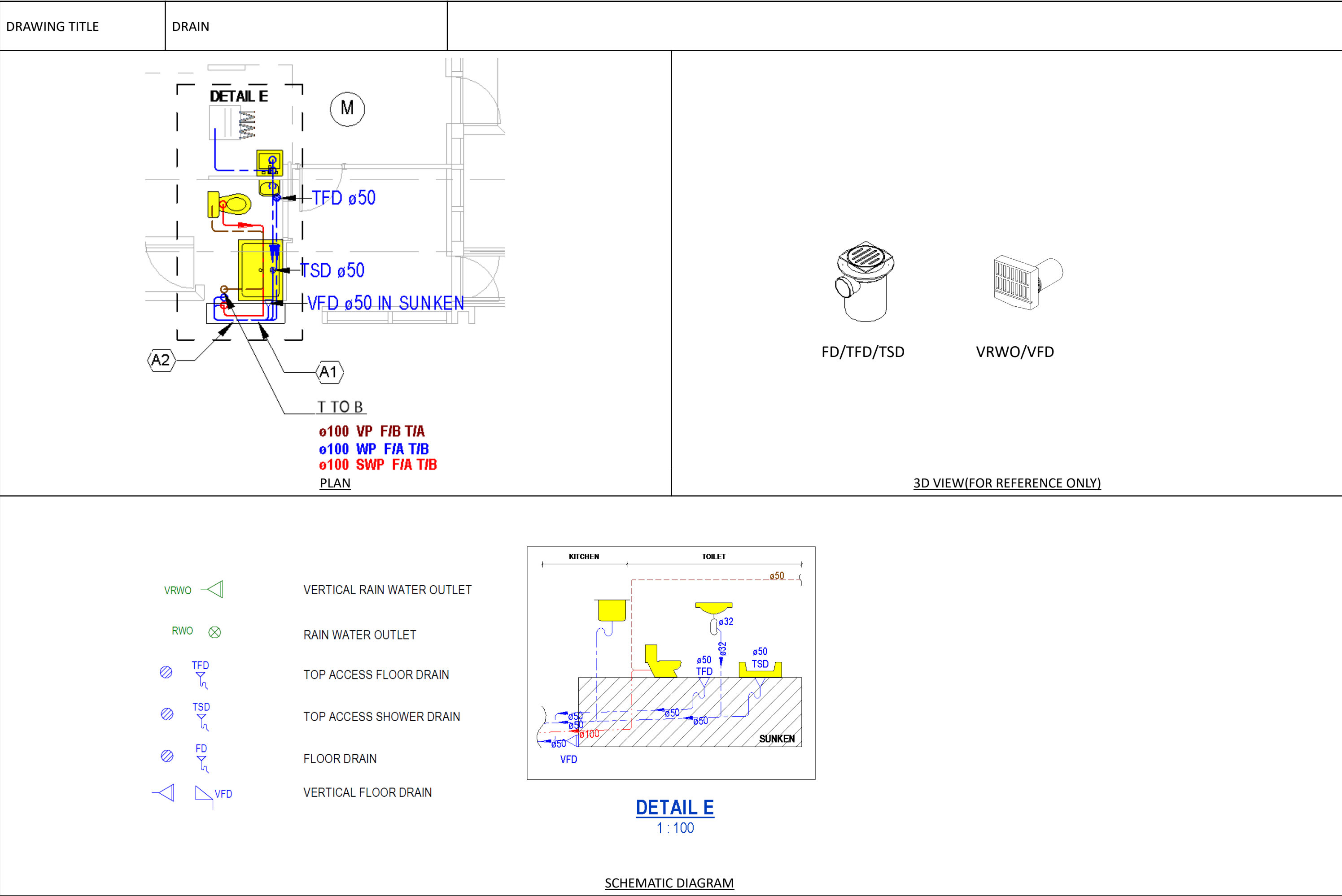
Soil Nail Schedule								
Soil Nail Type	Soil Nail Head Type	Mark	Soil Nail Diameter	Soil Nail Inclination	Soil Nail Total Length	Hole Diameter	Designed Anchorage Length	Bearing Angle
			(mm)	(degree)	(mm)	(mm)	(mm)	(degree)
Soil Nail with Typical Nail Head	Nail Head 800 x 800	SN 1	50	20	4000	100	1500	155

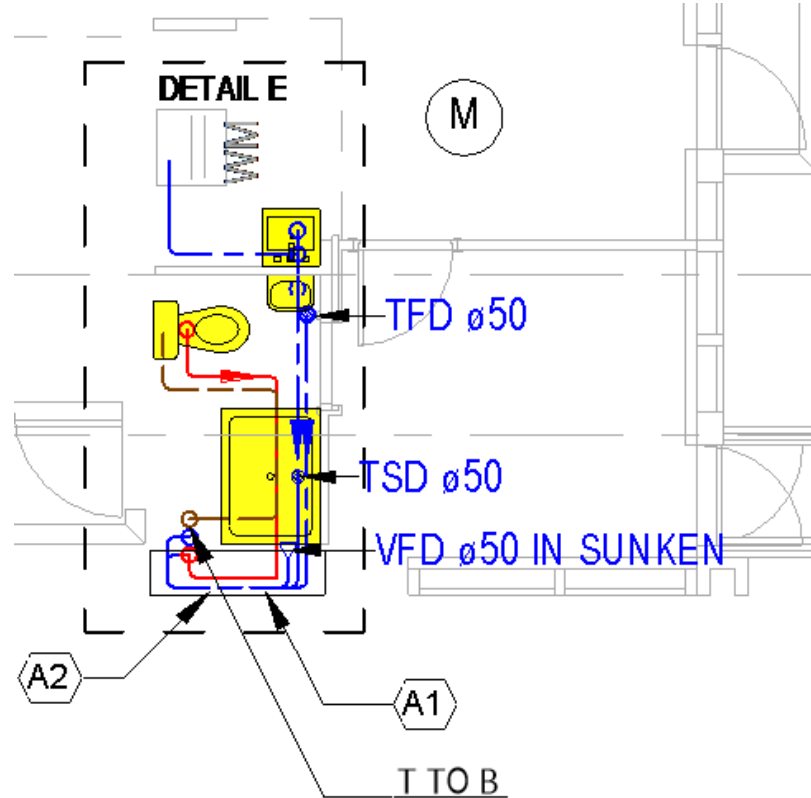
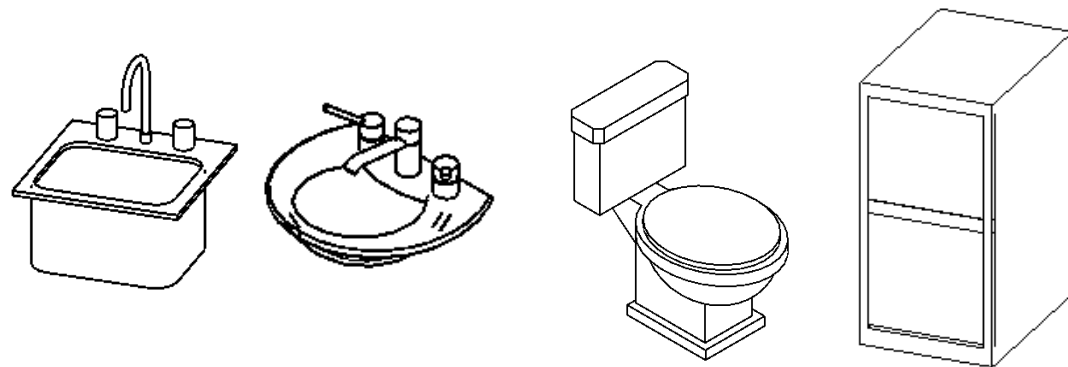
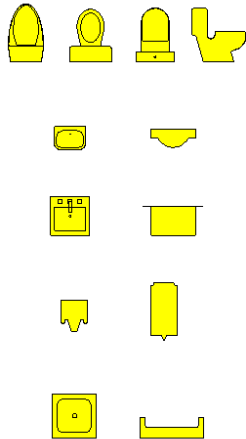
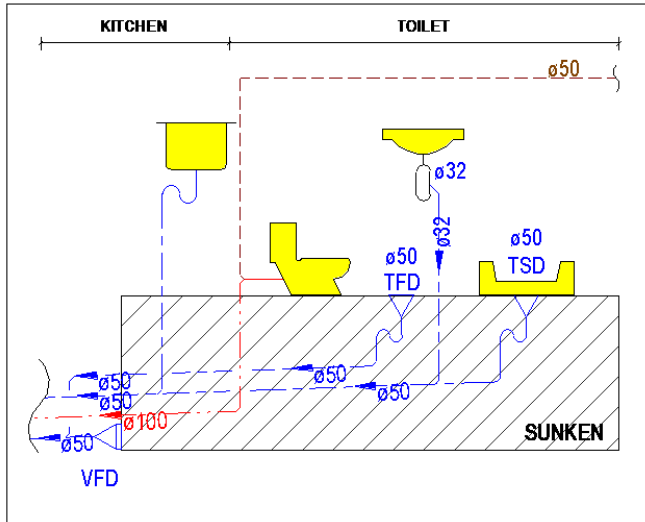
SCHEDULE





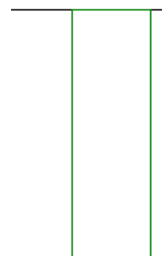
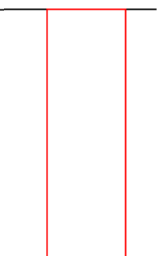
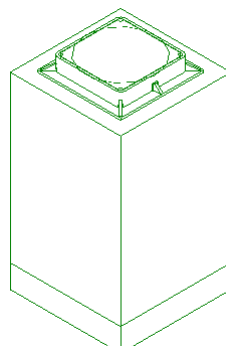
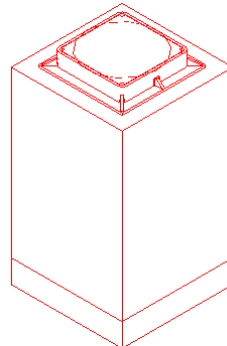
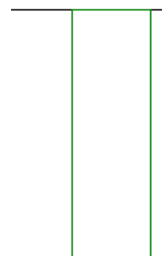
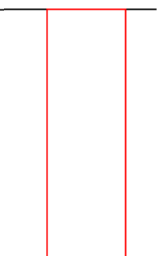
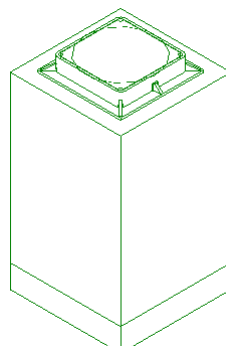
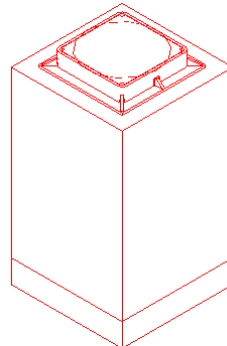
BIM OBJECT	ROCK CORE SAMPLE																																														
<div><div>BH1(P)</div><div></div></div> <div>PLAN VIEW OF OBJECT (WITH ANNONTAION)</div>		<div><div><div>BH1(P) (OFFSET 0.86 m)</div><div>BH3 (OFFSET 1.69 m)</div></div><table><tr><td>N=11</td><td>FILL</td><td>N=11</td><td>FILL</td></tr><tr><td>N=13</td><td></td><td>N=11</td><td></td></tr><tr><td>N=9</td><td></td><td>N=12</td><td></td></tr><tr><td>N=17</td><td>MD</td><td>N=14</td><td></td></tr><tr><td>N=18</td><td></td><td>N=16</td><td>MD</td></tr><tr><td>N=13</td><td>ALLU</td><td>N=24</td><td></td></tr><tr><td>N=18</td><td></td><td>N=13</td><td></td></tr><tr><td>N=49</td><td></td><td>N=15</td><td></td></tr><tr><td>N=27</td><td></td><td>N=53</td><td></td></tr><tr><td>N=38</td><td></td><td>N=41</td><td></td></tr><tr><td>N=48</td><td></td><td>N=60</td><td></td></tr></table></div> <div>SECTION VIEW OF OBJECT (WITH ANNONTAION)</div>	N=11	FILL	N=11	FILL	N=13		N=11		N=9		N=12		N=17	MD	N=14		N=18		N=16	MD	N=13	ALLU	N=24		N=18		N=13		N=49		N=15		N=27		N=53		N=38		N=41		N=48		N=60		<div></div> <div>3D VIEW(FOR REFERENCE ONLY)</div>
N=11	FILL	N=11	FILL																																												
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N=9		N=12																																													
N=17	MD	N=14																																													
N=18		N=16	MD																																												
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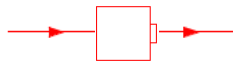


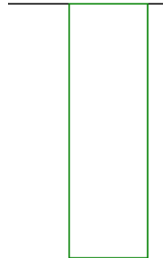
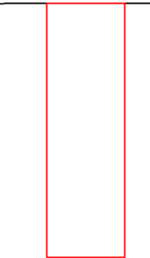
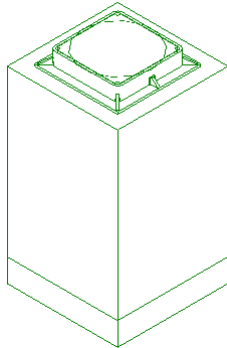
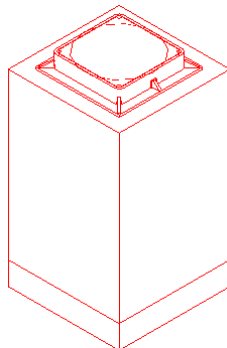
BIM OBJECT	MONITORING INSTRUMENTS																																		
<div><p>PLAN VIEW OF OBJECT (WITH ANNONTAION)</p></div>	<div><div><div>■ Graphical information</div><div>■ Non-graphical information</div></div><table><tr><th colspan="3">INSTRUMENT SCHEDULE</th></tr><tr><th>SYMBOL</th><th>TYPE</th><th>NUMBER</th></tr><tr><td>BS1</td><td>BUILDING SETTLEMENT MARKER (BS1-BS12)</td><td>12</td></tr><tr><td>T1</td><td>BUILDING TILTING CHECK POINT WITH VERTICAL DISPLACEMENT (T1-T11)</td><td>11</td></tr><tr><td>S1</td><td>GROUND SETTLEMENT CHECK POINT (S1-S10)</td><td>10</td></tr><tr><td>OW1</td><td>OBSERVATION WELL (OW1-OW14)</td><td>14</td></tr><tr><td>P1</td><td>PUMP WELL (P1 TO P7)</td><td>7</td></tr><tr><td>RW1</td><td>RECHARGE WELL (RW1-RW7)</td><td>7</td></tr><tr><td>SP1(P)</td><td>STANDPIPE (WITH PIEZOMETER) (SP1(P) TO SP5(P))</td><td>5</td></tr><tr><td>U1</td><td>UTILITY SETTLEMENT MONITORING POINT ON GROUND (U1-U12)</td><td>12</td></tr><tr><td>V1</td><td>VIBRATION CHECK POINT (V1-V11)</td><td>11</td></tr></table><p>SCHEDULE</p></div>	INSTRUMENT SCHEDULE			SYMBOL	TYPE	NUMBER	BS1	BUILDING SETTLEMENT MARKER (BS1-BS12)	12	T1	BUILDING TILTING CHECK POINT WITH VERTICAL DISPLACEMENT (T1-T11)	11	S1	GROUND SETTLEMENT CHECK POINT (S1-S10)	10	OW1	OBSERVATION WELL (OW1-OW14)	14	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	<div><p>3D VIEW(FOR REFERENCE ONLY)</p></div>
INSTRUMENT SCHEDULE																																			
SYMBOL	TYPE	NUMBER																																	
BS1	BUILDING SETTLEMENT MARKER (BS1-BS12)	12																																	
T1	BUILDING TILTING CHECK POINT WITH VERTICAL DISPLACEMENT (T1-T11)	11																																	
S1	GROUND SETTLEMENT CHECK POINT (S1-S10)	10																																	
OW1	OBSERVATION WELL (OW1-OW14)	14																																	
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																																	





DRAWING TITLE	SANITARY FITMENT	
 <p>ø100 VP F/B T/A ø100 WP F/A T/B ø100 SWP F/A T/B PLAN</p>		 <p><u>Sink</u> <u>Wash Basin</u> <u>Water Closet</u> <u>Shower</u></p> <p>3D VIEW(FOR REFERENCE ONLY)</p>
 <p>WATER CLOSET</p> <p>WASH BASIN</p> <p>SINK</p> <p>URINAL</p> <p>SHOWER</p>		 <p>DETAIL E 1 : 100</p> <p>SCHMATIC DIAGRAM</p>

DRAWING TITLE	MANHOLE																																								
<div><div>LEGEND:</div><div><div></div><div>STORMWATER MANHOLE</div></div><div><div></div><div>SOIL & WASTE MANHOLE</div></div><div><div></div><div><u>SMH-01</u> C.L.: -6.15 I.L.: -7.90</div></div><div><div></div><div><u>WMH-01</u> C.L.: -6.10 I.L.: -7.85</div></div><div>PLAN</div></div> <td colspan="2"><div><div></div><div><u>SMH-01</u> C.L.: -6.15 I.L.: -7.90</div></div><div><div></div><div><u>WMH-01</u> C.L.: -6.10 I.L.: -7.85</div></div><div>SCHEMATIC DIAGRAM</div></td> <td colspan="2"><div><div></div><div>STORM WATER MANHOLE</div></div><div><div></div><div>SOIL & WASTEMANHOLE</div></div><div>3D VIEW(FOR REFERENCE ONLY)</div></td>		<div><div></div><div><u>SMH-01</u> C.L.: -6.15 I.L.: -7.90</div></div> <div><div></div><div><u>WMH-01</u> C.L.: -6.10 I.L.: -7.85</div></div> <div>SCHEMATIC DIAGRAM</div>		<div><div></div><div>STORM WATER MANHOLE</div></div> <div><div></div><div>SOIL & WASTEMANHOLE</div></div> <div>3D VIEW(FOR REFERENCE ONLY)</div>																																					
<div><div><div></div> Graphical information</div><div><div></div> Non-graphical information</div></div> <div><div><table><tr><th colspan="6">STORM WATER MANHOLE SCHEDULE</th></tr><tr><th>MANHOLE NO.</th><th>DRAIN DIAMETER (mm)</th><th>C.L.</th><th>I.L.</th><th>DEPTH (mm)</th><th>TYPE</th></tr><tr><td>SMH-01</td><td>150</td><td>-6.15</td><td>-7.9</td><td>1750</td><td>D1</td></tr></table><div>Grand total: 1</div></div><div><div><table><tr><th colspan="6">FOUL WATER MANHOLE SCHEDULE</th></tr><tr><th>MANHOLE NO.</th><th>DRAIN DIAMETER (mm)</th><th>C.L.</th><th>I.L.</th><th>DEPTH (mm)</th><th>TYPE</th></tr><tr><td>WMH-01</td><td>150</td><td>-6.1</td><td>-7.85</td><td>1750</td><td>D1</td></tr></table><div>Grand total: 1</div></div><div>SCHEDULE</div></div></div>						STORM WATER MANHOLE SCHEDULE						MANHOLE NO.	DRAIN DIAMETER (mm)	C.L.	I.L.	DEPTH (mm)	TYPE	SMH-01	150	-6.15	-7.9	1750	D1	FOUL WATER MANHOLE SCHEDULE						MANHOLE NO.	DRAIN DIAMETER (mm)	C.L.	I.L.	DEPTH (mm)	TYPE	WMH-01	150	-6.1	-7.85	1750	D1
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WMH-01	150	-6.1	-7.85	1750	D1																																				

DRAWING TITLE	TERMINAL MANHOLE					
<div><div>LEGEND:</div><div><div>STORMWATER MANHOLE</div><div>SOIL & WASTE MANHOLE</div></div><div><div><div>STMH-01 C.L.: 3.43 I.L.: 2.43</div></div><div><div>FTMH-01 C.L.: 3.42 I.L.: 2.42</div></div></div><div>PLAN</div></div>	<div><div><div>STMH-01 C.L.: 3.43 I.L.: 2.43</div></div><div><div>FTMH-01 C.L.: 3.42 I.L.: 2.42</div></div></div> <div>SCHEMATIC DIAGRAM</div>		<div><div><div>STORM WATER MANHOLE</div></div><div><div>SOIL & WASTEMANHOLE</div></div></div> <div>3D VIEW(FOR REFERENCE ONLY)</div>			

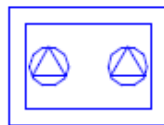
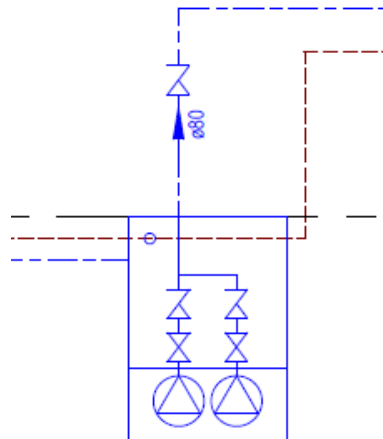
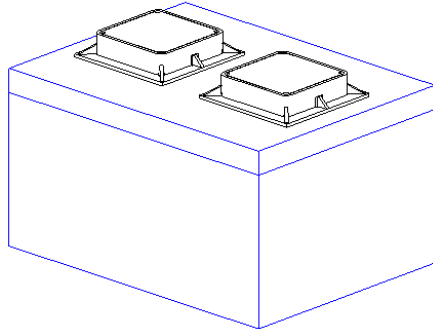
■ Graphical information

■ Non-graphical information







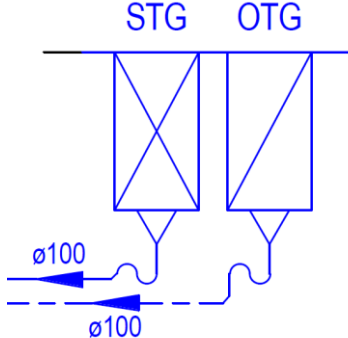
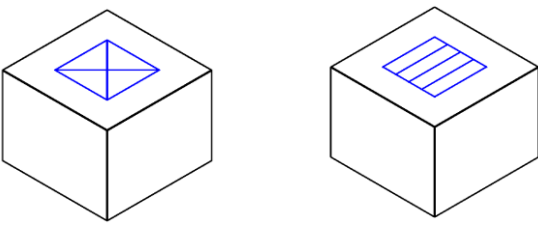
FOUL WATER TERMINAL MANHOLE SCHEDULE						
MANHOLE NO.	DRAIN DIAMETER (mm)	C.L.	I.L.	D.T.I.L.	DEPTH (mm)	TYPE
FTMH-01	225	+3.42	+2.42	+2.27	1150	T1_1
Grand total: 1						

STORM WATER TERMINAL MANHOLE SCHEDULE						
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						



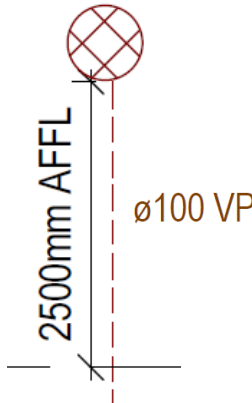
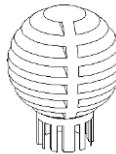
SCHEDULE

DRAWING TITLE	SUMP PIT																																
<div><div><div>SWPP-01</div><div>FLOW: 6.0 L/s</div><div>HEAD: 20.0 m</div><div>EFFECTIVE VOLUME:</div><div>2000(L) x 1500(W) x 600(D)</div><div>UNDERGROUND SUMP</div><div>PIT W/ 2 NOS.</div><div>SUBMERSIBLE PUMP</div><div>C.L.: -5.85</div><div>I.L.: -6.50</div></div><div></div></div> <div>PLAN</div>		<div></div> <div>UNDERGROUND SUMP PIT SWPP-01 FLOW: 6.0 L/s HEAD: 20.0 m EFFECTIVE VOLUME: 2000(L) x 1500(W) x 600(D)</div> <div>SCHEMATIC DIAGRAM</div>				<div></div> <div>3D VIEW(FOR REFERENCE ONLY)</div>																											
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<table><tr><th colspan="8">SUMP PIT SCHEDULE</th></tr><tr><th rowspan="2">SUMP PIT NO.</th><th rowspan="2">SUMP PIT SIZE (LxWxD)</th><th rowspan="2">C.L.</th><th rowspan="2">I.L.</th><th rowspan="2">B.L.</th><th rowspan="2">PUMP NO.</th><th colspan="2">PUMP DUTY (EACH)</th></tr><tr><th>FLOW (l/s)</th><th>HEAD (m)</th></tr><tr><td>SWPP-01</td><td>2000(L) x 1500(W) x 600(D)</td><td>-5.85</td><td>-6.5</td><td>-7.5</td><td>SSP01-01,02</td><td>6.0</td><td>20</td></tr></table> <div>Grand total: 1</div> <div>SCHEDULE</div>								SUMP PIT SCHEDULE								SUMP PIT NO.	SUMP PIT SIZE (LxWxD)	C.L.	I.L.	B.L.	PUMP NO.	PUMP DUTY (EACH)		FLOW (l/s)	HEAD (m)	SWPP-01	2000(L) x 1500(W) x 600(D)	-5.85	-6.5	-7.5	SSP01-01,02	6.0	20
SUMP PIT SCHEDULE																																	
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SWPP-01	2000(L) x 1500(W) x 600(D)	-5.85	-6.5	-7.5	SSP01-01,02	6.0	20																										

DRAWING TITLE	PETROL INTERCEPTOR																	
<div><div><div><div></div><div></div><div></div></div></div><div><div>PI-01</div><div>FLOW: 2.0 L/s</div><div>INTERNAL DIMENSION:</div><div>2650(L)x750(W)x2500(D)</div><div>C.L.: 5.90</div><div>I.L.: 4.90</div></div></div> <div>PLAN</div>	<div><div><div><div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div></div></div><div><div>PETROL INTERCEPTOR</div><div>PI-01</div><div>FLOW: 2.0 L/s</div><div>INTERNAL DIMENSION:</div><div>2650(L)x750(W)x2500(D)</div></div></div><div>SCHEMATIC DIAGRAM</div></div>	<div><div><div><div></div><div></div><div></div></div></div><div>3D VIEW(FOR REFERENCE ONLY)</div></div>																
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PETROL INTERCEPTOR SCHEDULE																		
PETROL INTERCEPTOR NO.	C.L.	I.L.	B.L.	DEPTH (mm)														
PI-01	+5.9	+4.9	+3.4	2500														

DRAWING TITLE	OPEN TRAPPED GULLY / SEAL TRAPPED GULLY		
<div data-bbox="261 279 783 825"><div><div>OTG</div><div></div><div>OTG</div><div></div><div>OPEN TRAPPED GULLY</div></div><div><div>STG</div><div></div><div>STG</div><div></div><div>SEAL TRAPPED GULLY</div></div><div><div>STG ø100</div><div></div></div><div><div>OTG ø100</div><div></div></div></div> <div data-bbox="516 1087 581 1119"><u>PLAN</u></div>		<div data-bbox="1311 468 1635 783"></div> <div data-bbox="1347 1087 1620 1119"><u>SCHEMATIC DIAGRAM</u></div>	<div data-bbox="2160 489 2662 772"><div>STG</div><div>OTG</div></div> <div data-bbox="2220 1087 2614 1119"><u>3D VIEW(FOR REFERENCE ONLY)</u></div>

DRAWING TITLE	FRESH AIR INLET		
<div><div><div><div></div><div></div><div></div></div><div>F.A.I.</div></div><div>FRESH AIR INLET</div></div> <div><div><div><div></div><div></div><div></div></div><div>ø100 VP TERMINATE AT H/L W/ FAI GRATING AT 2500mm AFFL</div></div></div> <div>PLAN</div>	<div><div><div><div></div><div></div><div></div></div><div>2500mm AFFL</div><div>ø100 VP</div></div><div>SCHEMATIC DIAGRAM</div></div> <div><div><div><div></div><div></div><div></div></div></div><div>3D VIEW(FOR REFERENCE ONLY)</div></div>		

DRAWING TITLE	WIRE BALLON		
<div><div></div><div>WIRE MESH BALLOON (VENT COWL)</div></div> <div><div></div><div>ø100 VP TERMINATE AT H/L W/ BALLOON GRATING AT 2500mm AFFL</div></div>	<div></div>	<div></div>	
<u>PLAN</u>		<u>SCHEMATIC DIAGRAM</u>	<u>3D VIEW(FOR REFERENCE ONLY)</u>

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