

工程指示 / 要求簡箋 ENGINEER INSTRUCTIONS(E.I.)

工程指示編號:	EI- 5319	修改版本:	A
	HK- 2129		
工程編號:	J 856	工程名稱:	TSWTL23
收件人:	生統 / 林仁安	發件人:	bearLam
工程項目:	工地窗大圖(拆圖及配件BM表)A:更新至9th Shop Drawing	日期:	30/11/2022

☐ 原合約工程包	☐ 原合約工程加 / 減賬 QT-	☐ 新工程報價 QT-
---------------------------------	--	------------------------------------

信件批核號碼/圖紙參考編號:	批核模具圖紙編號:
客戶指示附件:	管理內部批簽署:

☐ 初步鋁料 B.M.	☐ 加工拆圖, 然後生產	☐ 尺寸表
☐ 正式鋁料 B.M.	☐ 技術上資料/指示	☐ 報價
☐ 配件 B.M.	☐ 樣辦或貨品說明書	☐ 分判合約
☐ 其他:		

內容: 現附上最新的圖紙供貴司進行拆圖及更新BM用途
完成上列要求日期: 02/12/2022

國內

☐ 生產技術總監	☐ 連附件	☐ 技術部	☐ 連附件	☐ 生產部	☐ 連附件
☐ 採購部	☐ 連附件	☒ 生產統籌部	☒ 連附件	☐ 報關組	☐ 連附件
☐ 質檢部	☐ 連附件	☐ 會計部	☐ 連附件	☐ 機械設計部	☐ 連附件
☒ 香港辦	☒ 連附件	☒ 其他: 林仁安			

香港

☐ 行政部	☐ 連附件	☐ 會計部	☐ 連附件	☐ 統籌部	☐ 連附件	☐ 工程部	☐ 連附件
☐ 採購部	☐ 連附件	☐ QS部	☐ 連附件	☐ 地盤管理	☐ 連附件	☐ 維修部	☐ 連附件

*發件人簽署: bear Lam	*組別成員批核簽署: [Signature] 30/11/2022
傳遞編號:	項目經理簽署: [Signature]

PROJECT :

PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP,TSWTL
NO.23,AREA 33,TIN SHUI WAI, N.T.

9

SHOP DRAWING FOR IN-SITU WINDOW OF TOWER

DATE: 29-Nov-22



美特鋁質有限公司

MIDI ALUMINIUM FABRICATOR LTD.

Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27727666

H	29/11/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
G	27/08/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
F	1/08/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
E	18/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
D	24/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	20/01/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	24/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
A	16/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
NO.	DATE	REVISED	BY
DWG NO. : J856-SD-IW-0000			REV. : H

DRAWING SUBMISSION REGISTER

PROJECT: PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T. TITLE: IN-SITU WINDOW OF TOWER SHOPDRAWING SUBMISSION	DATE OF ISSUE											SUBMISSION STATE (FOR B.D / A.S.D)			SUBMISSION STATE (FOR CLIENT / CONSULTANT)			SUBMISSION STATE (FOR ARCHITECT)			FABRICATION / CONSTRUCTION STATE						
	ISSUE	1	2	3	4	5	6	7	8			AP - APPROVED AC - APPROVED SUB. TO CONDITION NA - NOT APPROVED	AP - APPROVED AC - APPROVED SUB. TO CONDITION NA - NOT APPROVED	AP - APPROVED AC - APPROVED SUB. TO CONDITION NA - NOT APPROVED	ISSUE TO CHINA OFFICE	ISSUE TO SITE	ISSUE TO SUB-CONTRACTOR										
	DAY	15	16	24	13	24	1	27	29																		
	MONTH	9	11	11	1	6	8	8	11																		
	YEAR	21	21	21	22	22	22	22	22																		
DRAWING TITLE	DWG. NO.	REVISIONS											COMMENT DATE	REV.	STATE	COMMENT DATE	REV.	STATE	COMMENT DATE	REV.	STATE	REV.	DATE	REV.	DATE	REV.	DATE
COVER PAGE	J856-SD-IW-0000	-	A	B	C	D	F	G	H																		
DRAWING REGISTER	J856-SD-IW-0001	-	A	B	C	D	E	F	G																		
DRAWING REGISTER	J856-SD-IW-0002	-	A	B	C	D	E	F	G																		
DRAWING REGISTER	J856-SD-IW-0003	-	A	B	C	D	E	F	G																		
GENERAL NOTES FOR IN-SITU WINDOW	J856-SD-IW-GN01	-	-					-	-																		
GENERAL NOTES FOR IN-SITU WINDOW	J856-SD-IW-GN02	-	-					-	-																		
EXTRUSION LIST FOR IN-SITU WINDOW	J856-SD-IW-1101	-	A	A	A	A	A	A	A																		
EXTRUSION LIST FOR IN-SITU WINDOW	J856-SD-IW-1102	-	A	A	A	B	C	D	D																		
EXTRUSION LIST FOR IN-SITU WINDOW	J856-SD-IW-1103	-																									
PLAN FOR IN-SITU WINDOW AT TOWER 1	J856-SD-IW-3101	-	A	B	C	D	D	D	E																		
PLAN FOR IN-SITU WINDOW AT TOWER 1	J856-SD-IW-3102	-		A	B	C	C	D	E																		
PLAN FOR IN-SITU LOUVER AT TOWER 1	J856-SD-IW-3106								-																		
PLAN FOR IN-SITU LOUVER AT TOWER 1	J856-SD-IW-3107								-																		
PLAN FOR IN-SITU WINDOW AT TOWER 2	J856-SD-IW-3201	-	A	B	C	D	E	E	F																		
PLAN FOR IN-SITU WINDOW AT TOWER 2	J856-SD-IW-3202	-		A	B	C	D	D	E																		
PLAN FOR IN-SITU LOUVER AT TOWER 2	J856-SD-IW-3206								-																		
PLAN FOR IN-SITU LOUVER AT TOWER 2	J856-SD-IW-3207								-																		
PLAN FOR IN-SITU WINDOW AT TOWER 3	J856-SD-IW-3301	-	A	B	C	D	E	E	F																		
PLAN FOR IN-SITU WINDOW AT TOWER 3	J856-SD-IW-3302	-		A	B	C	D	D	E																		
PLAN FOR IN-SITU LOUVER AT TOWER 3	J856-SD-IW-3306								-																		
PLAN FOR IN-SITU LOUVER AT TOWER 3	J856-SD-IW-3307								-																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5101	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5102	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5103	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5104	-	A	B	C	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5105	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5106	-	A	B	C	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5107	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5108	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5109	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5110	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5111			A	B	B	C	D	D																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5112			A	B	B	C	D	D																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5113					-	-	-	-																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5114					-	-	-	-																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5115					-	-	-	-																		
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	J856-SD-IW-5116								-																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5201	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5202	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5203	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5204	-	A	B	C	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5205	-	A	B	B	C	D	E	E																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5206	-	A	B	C	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5207	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5208	-	A	B	B	C	C	C	C																		

IN-HOUSE DESIGN CHECKER

 美特鋁質有限公司
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27727666

DWG NO. : J856-SD-IW-0001 REV. : G

DRAWING SUBMISSION REGISTER

PROJECT: PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T. TITLE: IN-SITU WINDOW OF TOWER SHOPDRAWING SUBMISSION	DATE OF ISSUE											SUBMISSION STATE (FOR B.D / A.S.D)			SUBMISSION STATE (FOR CLIENT / CONSULTANT)			SUBMISSION STATE (FOR ARCHITECT)			FABRICATION / CONSTRUCTION STATE						
	ISSUE	1	2	3	4	5	6	7	8			AP - APPROVED			AP - APPROVED			AP - APPROVED			ISSUE TO CHINA OFFICE		ISSUE TO SITE		ISSUE TO SUB-CONTRACTOR		
	DAY	15	16	24	13	24	1	27	29			AC - APPROVED SUB. TO CONDITION			AC - APPROVED SUB. TO CONDITION			AC - APPROVED SUB. TO CONDITION									
	MONTH	9	11	11	1	6	8	8	11			NA - NOT APPROVED			NA - NOT APPROVED			NA - NOT APPROVED									
	YEAR	21	21	21	22	22	22	22	22																		
DRAWING TITLE	DWG. NO.	REVISIONS											COMMENT DATE	REV.	STATE	COMMENT DATE	REV.	STATE	COMMENT DATE	REV.	STATE	REV.	DATE	REV.	DATE	REV.	DATE
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5209	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5210	-	A	B	B	B	B	B	B																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5211	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5212	-		A	B	B	C	C	C																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5213	-		A	B	B	C	D	D																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5214					-	A	A	A																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5215					-	A	A	B																		
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	J856-SD-IW-5216					-	A	A	A																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5301	-	A	B	B	C	D	E	F																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5302	-	A	B	B	C	D	E	F																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5303	-	A	B	C	C	D	D	D																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5304	-	A	B	B	C	D	E	F																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5305	-	A	B	C	C	D	D	D																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5306	-	A	B	B	C	D	E	F																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5307	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5308	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5309	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5310	-	A	B	B	C	C	C	C																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5311	-	A	B	B	C	D	D	E																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5312	-		A	B	B	C	D	E																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5313	-		A	B	B	C	D	E																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5314	-		A	B	C	D	D	D																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5315	-		A	B	B	C	C	D																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5316	-		A	B	B	B	B	B																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5317	-		A	A	B	C	C	D																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5318					-	A	A	B																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5319					-	A	A	C																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5320					-	A	A	B																		
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	J856-SD-IW-5321								-																		
WINDOW SCHEDULE FOR TOWER IN-SITU LOUVER	J856-SD-IW-5401								-																		
WINDOW SCHEDULE FOR TOWER IN-SITU LOUVER	J856-SD-IW-5402								-																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6001	-	-	-	A	A	B	B	B																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6002	-	-	-	A	A	B	B	B																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6003	-	-	-	A	A	B	B	B																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6004	-	A	B	B	C	D	D	D																		
IN-SITU WINDOW SECTION TYPICAL LOCK & HINGES DETAIL	J856-SD-IW-6005	-	A	A	A	A	A	A	A																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6006	-	A	A	A	B	C	C	C																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6007	-	A	A	A	A	A	C	C																		
IN-SITU WINDOW SECTION TYPICAL LOCK & HINGES DETAIL	J856-SD-IW-6007a	-	A	A	A	A	A	A	A																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6008					-	A	A	A																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-6009								-																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-7001	-	A	B	B	B	C	C	C																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-7002	-	A	B	B	C	D	D	D																		
TYPICAL DETAILS FOR IN-SITU WINDOW	J856-SD-IW-7003	-	A	B	B	C	D	D	D																		

IN-HOUSE DESIGN CHECKER

美特鋁質有限公司

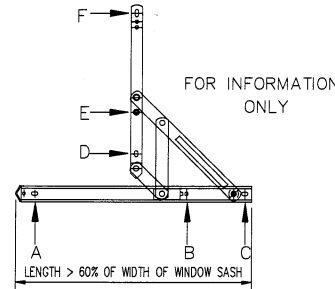
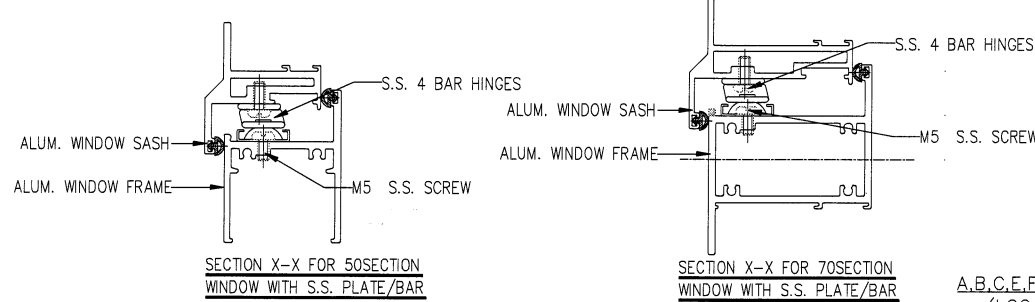
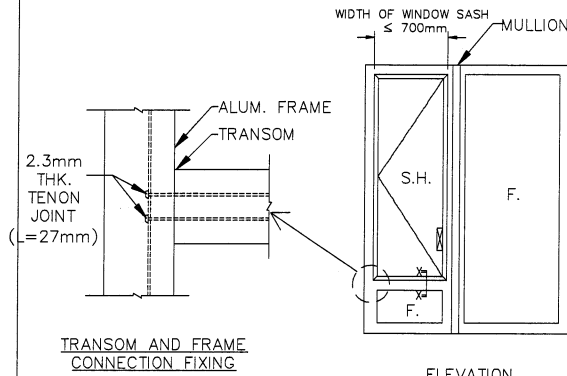
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27727666

DWG NO. : J856-SD-IW-0002REV. : G

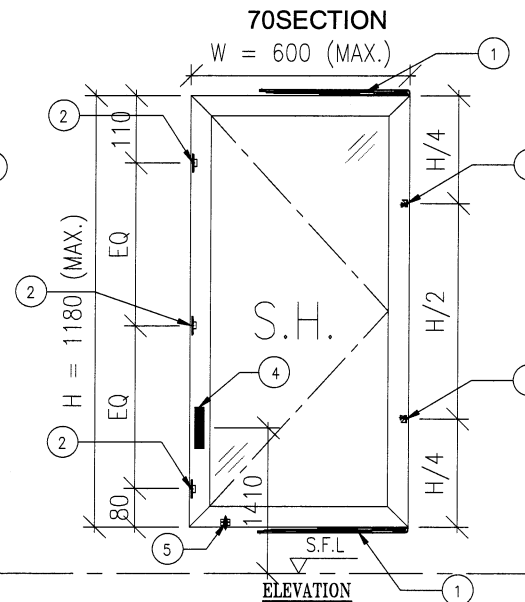
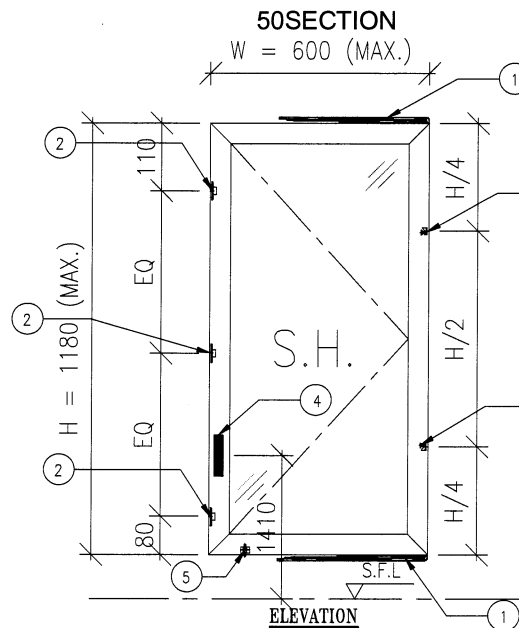
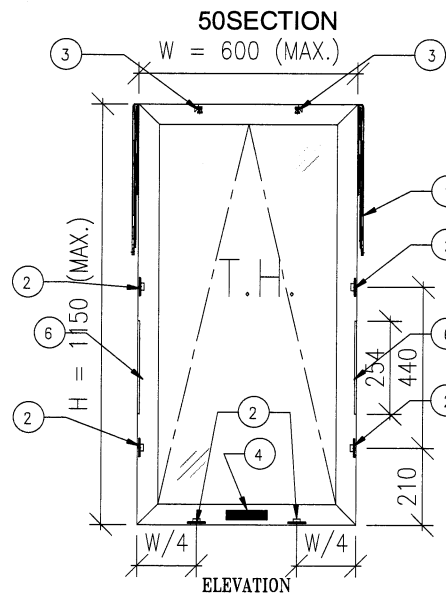
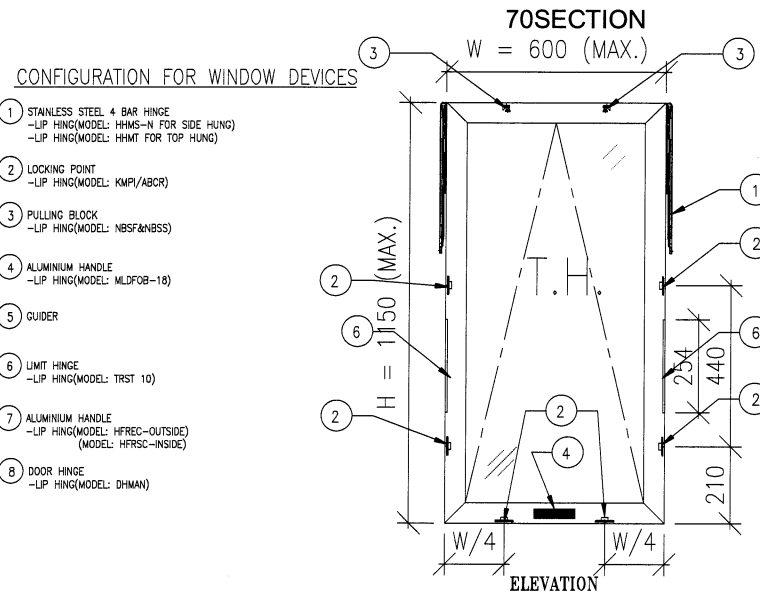
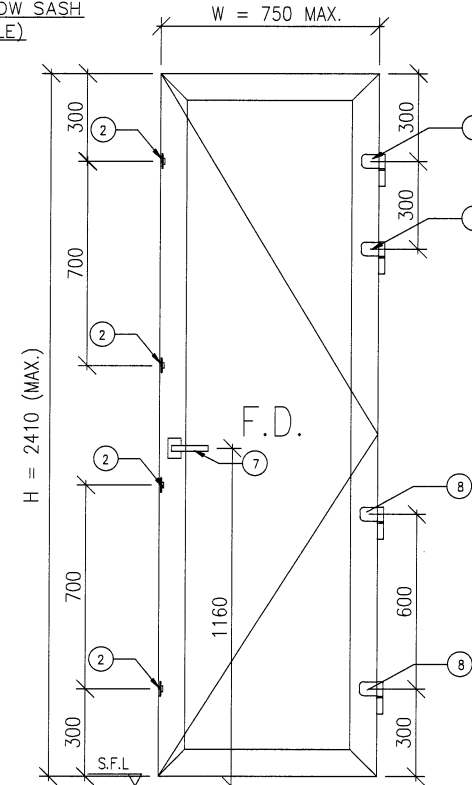
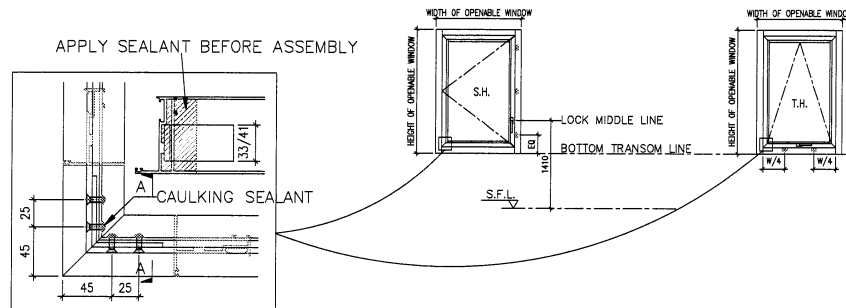
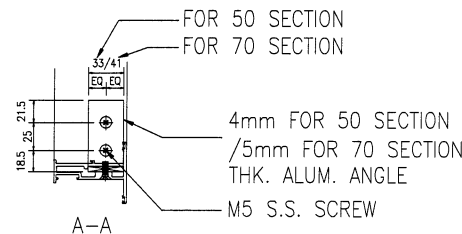
DRAWING SUBMISSION REGISTER

[illegible]

GENERAL NOTES FOR IN-SITU ALUM. WINDOW PAGE 2



S.S. 4 BAR HINGE (LIP HING)
A,B,C,E,F=LOCATION FOR SCREW TO WINDOW FRAME/SASH
(LOCAL THICKENING BY S.S. PLATE/BAR(MIN.3mm))
D=LOCATION FOR SCREW TO WINDOW SASH
(LOCAL THICKENING BY ANGLE)



B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
a r c h i t e c t s

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

α ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

NO.	DATE	REVISED	BY
-----	------	---------	----

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE : GENERAL NOTES FOR
ALUM. WINDOW

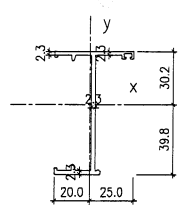
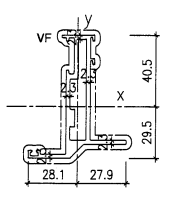
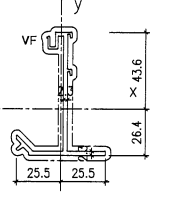
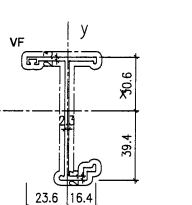
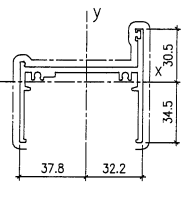
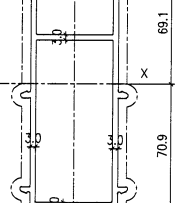
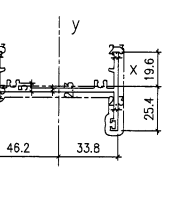
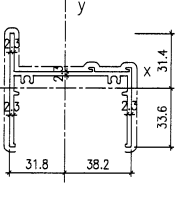
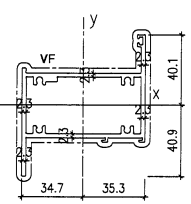
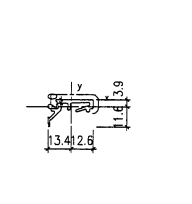
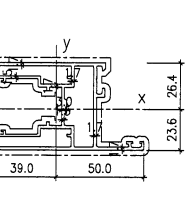
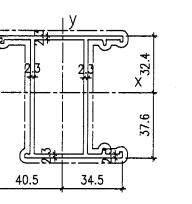
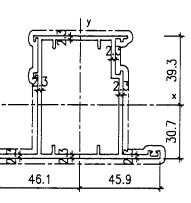
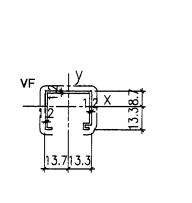
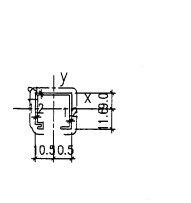
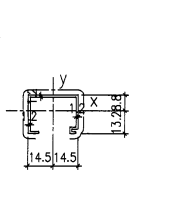
DATE : 18-Aug-22	SCALE : 1:3
------------------	-------------

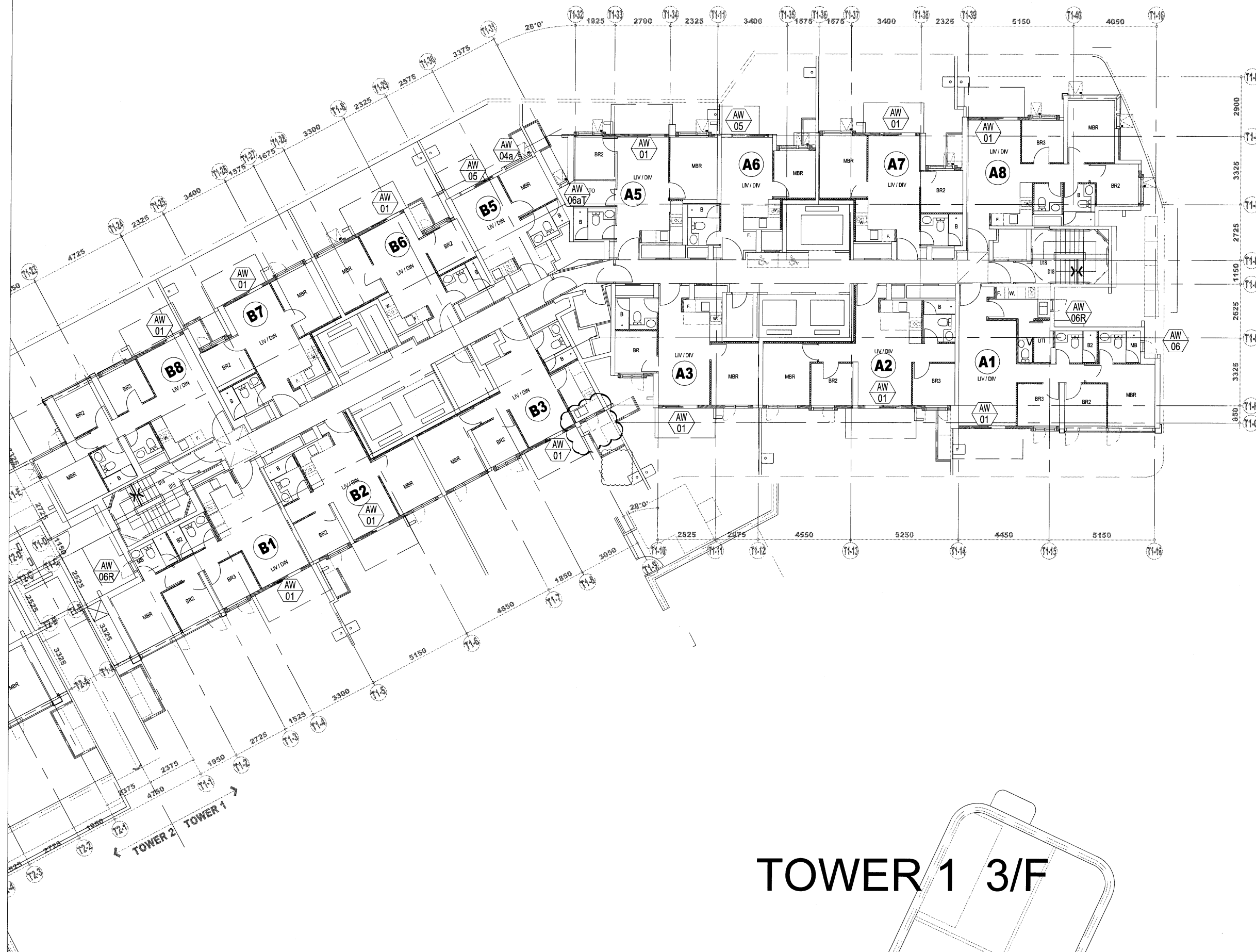
DRAWN BY : Ivan

 美特鋁質有限公司
MIDI ALUMINIUM FABRICATOR LTD.

Units 6-8, Sunray Industrial Centre, 1/
610 Cha Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27727666

DWG NO. : J856-SD-IW-GN02

MEMBER : IW-01 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>331.3</td></tr><tr><td>Perimeter (mm)</td><td>352.8</td></tr><tr><td>Bounding Box - X (mm)</td><td>-20.0 to 25.0</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-39.8 to 30.2</td></tr><tr><td>Centroid - X (mm)</td><td>0.0</td></tr><tr><td>Centroid - Y (mm)</td><td>0.0</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>25022.1</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>39720.2</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-2436.1</td></tr><tr><td>Radius of gyration - X (mm)</td><td>21.5</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>21.5</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>25373.7 along (1.9 -0.1)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>25373.7 along (0.1 1.9)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 631.7</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 1148.8</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	331.3	Perimeter (mm)	352.8	Bounding Box - X (mm)	-20.0 to 25.0	Bounding Box - Y (mm)	-39.8 to 30.2	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of Inertia - X (mm⁴)	25022.1	Moment of Inertia - Y (mm⁴)	39720.2	Product of Inertia - XY (mm⁴)	-2436.1	Radius of gyration - X (mm)	21.5	Radius of gyration - Y (mm)	21.5	Principal moment along X-Y (mm⁴)	25373.7 along (1.9 -0.1)	Principal moment along Y-X (mm⁴)	25373.7 along (0.1 1.9)	Elastic Modulus - Xx (mm²)	177 y-max= 631.7	Elastic Modulus - Yy (mm²)	277 x-max= 1148.8	CKHK15860 MEMBER : IW-02 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>331.3</td></tr><tr><td>Perimeter (mm)</td><td>352.8</td></tr><tr><td>Bounding Box - X (mm)</td><td>-20.0 to 25.0</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-39.8 to 30.2</td></tr><tr><td>Centroid - X (mm)</td><td>0.0</td></tr><tr><td>Centroid - Y (mm)</td><td>0.0</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>25022.1</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>39720.2</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-2436.1</td></tr><tr><td>Radius of gyration - X (mm)</td><td>21.5</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>21.5</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>25373.7 along (1.9 -0.1)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>25373.7 along (0.1 1.9)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 631.7</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 1148.8</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	331.3	Perimeter (mm)	352.8	Bounding Box - X (mm)	-20.0 to 25.0	Bounding Box - Y (mm)	-39.8 to 30.2	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of Inertia - X (mm⁴)	25022.1	Moment of Inertia - Y (mm⁴)	39720.2	Product of Inertia - XY (mm⁴)	-2436.1	Radius of gyration - X (mm)	21.5	Radius of gyration - Y (mm)	21.5	Principal moment along X-Y (mm⁴)	25373.7 along (1.9 -0.1)	Principal moment along Y-X (mm⁴)	25373.7 along (0.1 1.9)	Elastic Modulus - Xx (mm²)	177 y-max= 631.7	Elastic Modulus - Yy (mm²)	277 x-max= 1148.8	MEMBER : IW-03 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>329.8</td></tr><tr><td>Perimeter (mm)</td><td>316.3</td></tr><tr><td>Bounding Box - X (mm)</td><td>-25.5 to 25.5</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-26.4 to 43.6</td></tr><tr><td>Centroid - X (mm)</td><td>0.0</td></tr><tr><td>Centroid - Y (mm)</td><td>0.0</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>21530.1</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>34979.8</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-4835.9</td></tr><tr><td>Radius of gyration - X (mm)</td><td>13.2</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>25.2</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>215492.2 along (1.9 0.9)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>33645.7 along (0.9 1.9)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 8911.8</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 1385.3</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	329.8	Perimeter (mm)	316.3	Bounding Box - X (mm)	-25.5 to 25.5	Bounding Box - Y (mm)	-26.4 to 43.6	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of Inertia - X (mm⁴)	21530.1	Moment of Inertia - Y (mm⁴)	34979.8	Product of Inertia - XY (mm⁴)	-4835.9	Radius of gyration - X (mm)	13.2	Radius of gyration - Y (mm)	25.2	Principal moment along X-Y (mm⁴)	215492.2 along (1.9 0.9)	Principal moment along Y-X (mm⁴)	33645.7 along (0.9 1.9)	Elastic Modulus - Xx (mm²)	177 y-max= 8911.8	Elastic Modulus - Yy (mm²)	277 x-max= 1385.3	MEMBER : IW-04 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>308.0</td></tr><tr><td>Perimeter (mm)</td><td>284.3</td></tr><tr><td>Bounding Box - X (mm)</td><td>-23.6 to 18.4</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-39.4 to 30.6</td></tr><tr><td>Centroid - X (mm)</td><td>0.0</td></tr><tr><td>Centroid - Y (mm)</td><td>0.0</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>22625.8</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>32945.3</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>24548.9</td></tr><tr><td>Radius of gyration - X (mm)</td><td>26.7</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>18.3</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>22324.3 along (1.9 0.1)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>12323.9 along (-0.1 1.9)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 526.5</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 887.0</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	308.0	Perimeter (mm)	284.3	Bounding Box - X (mm)	-23.6 to 18.4	Bounding Box - Y (mm)	-39.4 to 30.6	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of Inertia - X (mm⁴)	22625.8	Moment of Inertia - Y (mm⁴)	32945.3	Product of Inertia - XY (mm⁴)	24548.9	Radius of gyration - X (mm)	26.7	Radius of gyration - Y (mm)	18.3	Principal moment along X-Y (mm⁴)	22324.3 along (1.9 0.1)	Principal moment along Y-X (mm⁴)	12323.9 along (-0.1 1.9)	Elastic Modulus - Xx (mm²)	177 y-max= 526.5	Elastic Modulus - Yy (mm²)	277 x-max= 887.0	B.D. REF :
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	331.3																																																																																																																																			
Perimeter (mm)	352.8																																																																																																																																			
Bounding Box - X (mm)	-20.0 to 25.0																																																																																																																																			
Bounding Box - Y (mm)	-39.8 to 30.2																																																																																																																																			
Centroid - X (mm)	0.0																																																																																																																																			
Centroid - Y (mm)	0.0																																																																																																																																			
Moment of Inertia - X (mm⁴)	25022.1																																																																																																																																			
Moment of Inertia - Y (mm⁴)	39720.2																																																																																																																																			
Product of Inertia - XY (mm⁴)	-2436.1																																																																																																																																			
Radius of gyration - X (mm)	21.5																																																																																																																																			
Radius of gyration - Y (mm)	21.5																																																																																																																																			
Principal moment along X-Y (mm⁴)	25373.7 along (1.9 -0.1)																																																																																																																																			
Principal moment along Y-X (mm⁴)	25373.7 along (0.1 1.9)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 631.7																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 1148.8																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	331.3																																																																																																																																			
Perimeter (mm)	352.8																																																																																																																																			
Bounding Box - X (mm)	-20.0 to 25.0																																																																																																																																			
Bounding Box - Y (mm)	-39.8 to 30.2																																																																																																																																			
Centroid - X (mm)	0.0																																																																																																																																			
Centroid - Y (mm)	0.0																																																																																																																																			
Moment of Inertia - X (mm⁴)	25022.1																																																																																																																																			
Moment of Inertia - Y (mm⁴)	39720.2																																																																																																																																			
Product of Inertia - XY (mm⁴)	-2436.1																																																																																																																																			
Radius of gyration - X (mm)	21.5																																																																																																																																			
Radius of gyration - Y (mm)	21.5																																																																																																																																			
Principal moment along X-Y (mm⁴)	25373.7 along (1.9 -0.1)																																																																																																																																			
Principal moment along Y-X (mm⁴)	25373.7 along (0.1 1.9)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 631.7																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 1148.8																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	329.8																																																																																																																																			
Perimeter (mm)	316.3																																																																																																																																			
Bounding Box - X (mm)	-25.5 to 25.5																																																																																																																																			
Bounding Box - Y (mm)	-26.4 to 43.6																																																																																																																																			
Centroid - X (mm)	0.0																																																																																																																																			
Centroid - Y (mm)	0.0																																																																																																																																			
Moment of Inertia - X (mm⁴)	21530.1																																																																																																																																			
Moment of Inertia - Y (mm⁴)	34979.8																																																																																																																																			
Product of Inertia - XY (mm⁴)	-4835.9																																																																																																																																			
Radius of gyration - X (mm)	13.2																																																																																																																																			
Radius of gyration - Y (mm)	25.2																																																																																																																																			
Principal moment along X-Y (mm⁴)	215492.2 along (1.9 0.9)																																																																																																																																			
Principal moment along Y-X (mm⁴)	33645.7 along (0.9 1.9)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 8911.8																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 1385.3																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	308.0																																																																																																																																			
Perimeter (mm)	284.3																																																																																																																																			
Bounding Box - X (mm)	-23.6 to 18.4																																																																																																																																			
Bounding Box - Y (mm)	-39.4 to 30.6																																																																																																																																			
Centroid - X (mm)	0.0																																																																																																																																			
Centroid - Y (mm)	0.0																																																																																																																																			
Moment of Inertia - X (mm⁴)	22625.8																																																																																																																																			
Moment of Inertia - Y (mm⁴)	32945.3																																																																																																																																			
Product of Inertia - XY (mm⁴)	24548.9																																																																																																																																			
Radius of gyration - X (mm)	26.7																																																																																																																																			
Radius of gyration - Y (mm)	18.3																																																																																																																																			
Principal moment along X-Y (mm⁴)	22324.3 along (1.9 0.1)																																																																																																																																			
Principal moment along Y-X (mm⁴)	12323.9 along (-0.1 1.9)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 526.5																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 887.0																																																																																																																																			
MEMBER : IW-05 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>555.03</td></tr><tr><td>Perimeter (mm)</td><td>411.75</td></tr><tr><td>Bounding Box - X (mm)</td><td>-37.8 to 32.2</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-34.5 to 30.5</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>126378.85</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>437062.55</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-37250.77</td></tr><tr><td>Radius of gyration - X (mm)</td><td>41.66</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>58.08</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>126514.34 along (3.89 0.11)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>443768.88 along (-0.11 3.89)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 3397.38</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 1581.38</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	555.03	Perimeter (mm)	411.75	Bounding Box - X (mm)	-37.8 to 32.2	Bounding Box - Y (mm)	-34.5 to 30.5	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	126378.85	Moment of Inertia - Y (mm⁴)	437062.55	Product of Inertia - XY (mm⁴)	-37250.77	Radius of gyration - X (mm)	41.66	Radius of gyration - Y (mm)	58.08	Principal moment along X-Y (mm⁴)	126514.34 along (3.89 0.11)	Principal moment along Y-X (mm⁴)	443768.88 along (-0.11 3.89)	Elastic Modulus - Xx (mm²)	177 y-max= 3397.38	Elastic Modulus - Yy (mm²)	277 x-max= 1581.38	MEMBER : IW-06 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>1209.48</td></tr><tr><td>Perimeter (mm)</td><td>688.62</td></tr><tr><td>Bounding Box - X (mm)</td><td>-31.01 to 31.00</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-35.06 to 36.05</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>2841972.24</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>285218.51</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-14.61</td></tr><tr><td>Radius of gyration - X (mm)</td><td>48.86</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>16.19</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>2841972.24 along (1.90 1.00)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>285218.51 along (0.00 1.00)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 42624.11</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 18871.04</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	1209.48	Perimeter (mm)	688.62	Bounding Box - X (mm)	-31.01 to 31.00	Bounding Box - Y (mm)	-35.06 to 36.05	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	2841972.24	Moment of Inertia - Y (mm⁴)	285218.51	Product of Inertia - XY (mm⁴)	-14.61	Radius of gyration - X (mm)	48.86	Radius of gyration - Y (mm)	16.19	Principal moment along X-Y (mm⁴)	2841972.24 along (1.90 1.00)	Principal moment along Y-X (mm⁴)	285218.51 along (0.00 1.00)	Elastic Modulus - Xx (mm²)	177 y-max= 42624.11	Elastic Modulus - Yy (mm²)	277 x-max= 18871.04	MEMBER : IW-07 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>402.8</td></tr><tr><td>Perimeter (mm)</td><td>352.7</td></tr><tr><td>Bounding Box - X (mm)</td><td>-46.2 to 33.8</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-25.4 to 19.6</td></tr><tr><td>Centroid - X (mm)</td><td>0.0</td></tr><tr><td>Centroid - Y (mm)</td><td>0.0</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>26382.2</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>31543.8</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-2621.8</td></tr><tr><td>Radius of gyration - X (mm)</td><td>16.1</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>17.4</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>26384.7 along (1.9 -0.1)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>31543.8 along (0.1 1.9)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 1155.4</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 848.4</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	402.8	Perimeter (mm)	352.7	Bounding Box - X (mm)	-46.2 to 33.8	Bounding Box - Y (mm)	-25.4 to 19.6	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of Inertia - X (mm⁴)	26382.2	Moment of Inertia - Y (mm⁴)	31543.8	Product of Inertia - XY (mm⁴)	-2621.8	Radius of gyration - X (mm)	16.1	Radius of gyration - Y (mm)	17.4	Principal moment along X-Y (mm⁴)	26384.7 along (1.9 -0.1)	Principal moment along Y-X (mm⁴)	31543.8 along (0.1 1.9)	Elastic Modulus - Xx (mm²)	177 y-max= 1155.4	Elastic Modulus - Yy (mm²)	277 x-max= 848.4	MEMBER : IW-08 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>496.1</td></tr><tr><td>Perimeter (mm)</td><td>411.8</td></tr><tr><td>Bounding Box - X (mm)</td><td>-31.8 to 38.2</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-33.6 to 31.4</td></tr><tr><td>Centroid - X (mm)</td><td>0.0</td></tr><tr><td>Centroid - Y (mm)</td><td>0.0</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>98837.7</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>377224.7</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>3373.1</td></tr><tr><td>Radius of gyration - X (mm)</td><td>17.7</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>30.8</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>95178.1 along (1.9 -0.1)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>380853.3 along (0.1 1.9)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 2592.5</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 8878.0</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	496.1	Perimeter (mm)	411.8	Bounding Box - X (mm)	-31.8 to 38.2	Bounding Box - Y (mm)	-33.6 to 31.4	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of Inertia - X (mm⁴)	98837.7	Moment of Inertia - Y (mm⁴)	377224.7	Product of Inertia - XY (mm⁴)	3373.1	Radius of gyration - X (mm)	17.7	Radius of gyration - Y (mm)	30.8	Principal moment along X-Y (mm⁴)	95178.1 along (1.9 -0.1)	Principal moment along Y-X (mm⁴)	380853.3 along (0.1 1.9)	Elastic Modulus - Xx (mm²)	177 y-max= 2592.5	Elastic Modulus - Yy (mm²)	277 x-max= 8878.0	CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG ARCHITECT : Iwk&partners architects MAIN CONTRACTOR : Yee Fai Building Contractors Ltd. STRUCTURAL ENGINEER : ARUP FACADE CONSULTANT: ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	555.03																																																																																																																																			
Perimeter (mm)	411.75																																																																																																																																			
Bounding Box - X (mm)	-37.8 to 32.2																																																																																																																																			
Bounding Box - Y (mm)	-34.5 to 30.5																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	126378.85																																																																																																																																			
Moment of Inertia - Y (mm⁴)	437062.55																																																																																																																																			
Product of Inertia - XY (mm⁴)	-37250.77																																																																																																																																			
Radius of gyration - X (mm)	41.66																																																																																																																																			
Radius of gyration - Y (mm)	58.08																																																																																																																																			
Principal moment along X-Y (mm⁴)	126514.34 along (3.89 0.11)																																																																																																																																			
Principal moment along Y-X (mm⁴)	443768.88 along (-0.11 3.89)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 3397.38																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 1581.38																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	1209.48																																																																																																																																			
Perimeter (mm)	688.62																																																																																																																																			
Bounding Box - X (mm)	-31.01 to 31.00																																																																																																																																			
Bounding Box - Y (mm)	-35.06 to 36.05																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	2841972.24																																																																																																																																			
Moment of Inertia - Y (mm⁴)	285218.51																																																																																																																																			
Product of Inertia - XY (mm⁴)	-14.61																																																																																																																																			
Radius of gyration - X (mm)	48.86																																																																																																																																			
Radius of gyration - Y (mm)	16.19																																																																																																																																			
Principal moment along X-Y (mm⁴)	2841972.24 along (1.90 1.00)																																																																																																																																			
Principal moment along Y-X (mm⁴)	285218.51 along (0.00 1.00)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 42624.11																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 18871.04																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	402.8																																																																																																																																			
Perimeter (mm)	352.7																																																																																																																																			
Bounding Box - X (mm)	-46.2 to 33.8																																																																																																																																			
Bounding Box - Y (mm)	-25.4 to 19.6																																																																																																																																			
Centroid - X (mm)	0.0																																																																																																																																			
Centroid - Y (mm)	0.0																																																																																																																																			
Moment of Inertia - X (mm⁴)	26382.2																																																																																																																																			
Moment of Inertia - Y (mm⁴)	31543.8																																																																																																																																			
Product of Inertia - XY (mm⁴)	-2621.8																																																																																																																																			
Radius of gyration - X (mm)	16.1																																																																																																																																			
Radius of gyration - Y (mm)	17.4																																																																																																																																			
Principal moment along X-Y (mm⁴)	26384.7 along (1.9 -0.1)																																																																																																																																			
Principal moment along Y-X (mm⁴)	31543.8 along (0.1 1.9)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 1155.4																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 848.4																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	496.1																																																																																																																																			
Perimeter (mm)	411.8																																																																																																																																			
Bounding Box - X (mm)	-31.8 to 38.2																																																																																																																																			
Bounding Box - Y (mm)	-33.6 to 31.4																																																																																																																																			
Centroid - X (mm)	0.0																																																																																																																																			
Centroid - Y (mm)	0.0																																																																																																																																			
Moment of Inertia - X (mm⁴)	98837.7																																																																																																																																			
Moment of Inertia - Y (mm⁴)	377224.7																																																																																																																																			
Product of Inertia - XY (mm⁴)	3373.1																																																																																																																																			
Radius of gyration - X (mm)	17.7																																																																																																																																			
Radius of gyration - Y (mm)	30.8																																																																																																																																			
Principal moment along X-Y (mm⁴)	95178.1 along (1.9 -0.1)																																																																																																																																			
Principal moment along Y-X (mm⁴)	380853.3 along (0.1 1.9)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 2592.5																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 8878.0																																																																																																																																			
MEMBER : IW-09 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>618.97</td></tr><tr><td>Perimeter (mm)</td><td>544.41</td></tr><tr><td>Bounding Box - X (mm)</td><td>-40.52 to 34.48</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-37.55 to 32.45</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>488058.08</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>205205.70</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>49388.18</td></tr><tr><td>Radius of gyration - X (mm)</td><td>27.41</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>18.33</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>474771.18 along (3.88 0.19)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>198146.50 along (-0.19 3.88)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 1240.00</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 5147.08</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	618.97	Perimeter (mm)	544.41	Bounding Box - X (mm)	-40.52 to 34.48	Bounding Box - Y (mm)	-37.55 to 32.45	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	488058.08	Moment of Inertia - Y (mm⁴)	205205.70	Product of Inertia - XY (mm⁴)	49388.18	Radius of gyration - X (mm)	27.41	Radius of gyration - Y (mm)	18.33	Principal moment along X-Y (mm⁴)	474771.18 along (3.88 0.19)	Principal moment along Y-X (mm⁴)	198146.50 along (-0.19 3.88)	Elastic Modulus - Xx (mm²)	177 y-max= 1240.00	Elastic Modulus - Yy (mm²)	277 x-max= 5147.08	MEMBER : IW-10 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>615.13</td></tr><tr><td>Perimeter (mm)</td><td>621.56</td></tr><tr><td>Bounding Box - X (mm)</td><td>-13.35 to 19.65</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-11.84 to 3.85</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>1409.18</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>5887.83</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-1338.63</td></tr><tr><td>Radius of gyration - X (mm)</td><td>1.30</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>2.39</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>768.61 along (5.98 0.22)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>6138.59 along (-0.22 0.98)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 68.87</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 405.88</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	615.13	Perimeter (mm)	621.56	Bounding Box - X (mm)	-13.35 to 19.65	Bounding Box - Y (mm)	-11.84 to 3.85	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	1409.18	Moment of Inertia - Y (mm⁴)	5887.83	Product of Inertia - XY (mm⁴)	-1338.63	Radius of gyration - X (mm)	1.30	Radius of gyration - Y (mm)	2.39	Principal moment along X-Y (mm⁴)	768.61 along (5.98 0.22)	Principal moment along Y-X (mm⁴)	6138.59 along (-0.22 0.98)	Elastic Modulus - Xx (mm²)	177 y-max= 68.87	Elastic Modulus - Yy (mm²)	277 x-max= 405.88	MEMBER : IW-11 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>600.8</td></tr><tr><td>Perimeter (mm)</td><td>600.8</td></tr><tr><td>Bounding Box - X (mm)</td><td>-28.0 to 30.8</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-23.8 to 28.4</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>2679.88</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>3074.88</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>133.07</td></tr><tr><td>Radius of gyration - X (mm)</td><td>2.16</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>1.98</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>2654.81 along (0.94 -0.34)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>3081.44 along (0.34 -0.94)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 378.38</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 391.97</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	600.8	Perimeter (mm)	600.8	Bounding Box - X (mm)	-28.0 to 30.8	Bounding Box - Y (mm)	-23.8 to 28.4	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	2679.88	Moment of Inertia - Y (mm⁴)	3074.88	Product of Inertia - XY (mm⁴)	133.07	Radius of gyration - X (mm)	2.16	Radius of gyration - Y (mm)	1.98	Principal moment along X-Y (mm⁴)	2654.81 along (0.94 -0.34)	Principal moment along Y-X (mm⁴)	3081.44 along (0.34 -0.94)	Elastic Modulus - Xx (mm²)	177 y-max= 378.38	Elastic Modulus - Yy (mm²)	277 x-max= 391.97	MEMBER : IW-12 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>618.92</td></tr><tr><td>Perimeter (mm)</td><td>544.41</td></tr><tr><td>Bounding Box - X (mm)</td><td>-40.52 to 34.48</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-37.55 to 32.45</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>488058.08</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>205205.70</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>49388.18</td></tr><tr><td>Radius of gyration - X (mm)</td><td>27.41</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>18.33</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>474771.18 along (3.88 0.19)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>198146.50 along (-0.19 3.88)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 1240.00</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 5147.08</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	618.92	Perimeter (mm)	544.41	Bounding Box - X (mm)	-40.52 to 34.48	Bounding Box - Y (mm)	-37.55 to 32.45	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	488058.08	Moment of Inertia - Y (mm⁴)	205205.70	Product of Inertia - XY (mm⁴)	49388.18	Radius of gyration - X (mm)	27.41	Radius of gyration - Y (mm)	18.33	Principal moment along X-Y (mm⁴)	474771.18 along (3.88 0.19)	Principal moment along Y-X (mm⁴)	198146.50 along (-0.19 3.88)	Elastic Modulus - Xx (mm²)	177 y-max= 1240.00	Elastic Modulus - Yy (mm²)	277 x-max= 5147.08	A 10/11/2021 NO. DATE REVISION SUBJECT TO ARCH.COMMENT REVISED Ivan BY
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	618.97																																																																																																																																			
Perimeter (mm)	544.41																																																																																																																																			
Bounding Box - X (mm)	-40.52 to 34.48																																																																																																																																			
Bounding Box - Y (mm)	-37.55 to 32.45																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	488058.08																																																																																																																																			
Moment of Inertia - Y (mm⁴)	205205.70																																																																																																																																			
Product of Inertia - XY (mm⁴)	49388.18																																																																																																																																			
Radius of gyration - X (mm)	27.41																																																																																																																																			
Radius of gyration - Y (mm)	18.33																																																																																																																																			
Principal moment along X-Y (mm⁴)	474771.18 along (3.88 0.19)																																																																																																																																			
Principal moment along Y-X (mm⁴)	198146.50 along (-0.19 3.88)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 1240.00																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 5147.08																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	615.13																																																																																																																																			
Perimeter (mm)	621.56																																																																																																																																			
Bounding Box - X (mm)	-13.35 to 19.65																																																																																																																																			
Bounding Box - Y (mm)	-11.84 to 3.85																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	1409.18																																																																																																																																			
Moment of Inertia - Y (mm⁴)	5887.83																																																																																																																																			
Product of Inertia - XY (mm⁴)	-1338.63																																																																																																																																			
Radius of gyration - X (mm)	1.30																																																																																																																																			
Radius of gyration - Y (mm)	2.39																																																																																																																																			
Principal moment along X-Y (mm⁴)	768.61 along (5.98 0.22)																																																																																																																																			
Principal moment along Y-X (mm⁴)	6138.59 along (-0.22 0.98)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 68.87																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 405.88																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	600.8																																																																																																																																			
Perimeter (mm)	600.8																																																																																																																																			
Bounding Box - X (mm)	-28.0 to 30.8																																																																																																																																			
Bounding Box - Y (mm)	-23.8 to 28.4																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	2679.88																																																																																																																																			
Moment of Inertia - Y (mm⁴)	3074.88																																																																																																																																			
Product of Inertia - XY (mm⁴)	133.07																																																																																																																																			
Radius of gyration - X (mm)	2.16																																																																																																																																			
Radius of gyration - Y (mm)	1.98																																																																																																																																			
Principal moment along X-Y (mm⁴)	2654.81 along (0.94 -0.34)																																																																																																																																			
Principal moment along Y-X (mm⁴)	3081.44 along (0.34 -0.94)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 378.38																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 391.97																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	618.92																																																																																																																																			
Perimeter (mm)	544.41																																																																																																																																			
Bounding Box - X (mm)	-40.52 to 34.48																																																																																																																																			
Bounding Box - Y (mm)	-37.55 to 32.45																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	488058.08																																																																																																																																			
Moment of Inertia - Y (mm⁴)	205205.70																																																																																																																																			
Product of Inertia - XY (mm⁴)	49388.18																																																																																																																																			
Radius of gyration - X (mm)	27.41																																																																																																																																			
Radius of gyration - Y (mm)	18.33																																																																																																																																			
Principal moment along X-Y (mm⁴)	474771.18 along (3.88 0.19)																																																																																																																																			
Principal moment along Y-X (mm⁴)	198146.50 along (-0.19 3.88)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 1240.00																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 5147.08																																																																																																																																			
MEMBER : IW-13 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>684.59</td></tr><tr><td>Perimeter (mm)</td><td>627.83</td></tr><tr><td>Bounding Box - X (mm)</td><td>-46.09 to 45.91</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-30.39 to 30.31</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>507549.28</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>348855.50</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>7184.28</td></tr><tr><td>Radius of gyration - X (mm)</td><td>27.23</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>22.27</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>507973.63 along (1.30 -0.05)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>348853.12 along (-0.05 1.30)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 1201.47</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 759.58</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	684.59	Perimeter (mm)	627.83	Bounding Box - X (mm)	-46.09 to 45.91	Bounding Box - Y (mm)	-30.39 to 30.31	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	507549.28	Moment of Inertia - Y (mm⁴)	348855.50	Product of Inertia - XY (mm⁴)	7184.28	Radius of gyration - X (mm)	27.23	Radius of gyration - Y (mm)	22.27	Principal moment along X-Y (mm⁴)	507973.63 along (1.30 -0.05)	Principal moment along Y-X (mm⁴)	348853.12 along (-0.05 1.30)	Elastic Modulus - Xx (mm²)	177 y-max= 1201.47	Elastic Modulus - Yy (mm²)	277 x-max= 759.58	MEMBER : IW-14 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>684.59</td></tr><tr><td>Perimeter (mm)</td><td>627.83</td></tr><tr><td>Bounding Box - X (mm)</td><td>-46.09 to 45.91</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-30.39 to 30.31</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>507549.28</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>348855.50</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>7184.28</td></tr><tr><td>Radius of gyration - X (mm)</td><td>27.23</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>22.27</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>507973.63 along (1.30 -0.05)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>348853.12 along (-0.05 1.30)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 1201.47</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>277 x-max= 759.58</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	684.59	Perimeter (mm)	627.83	Bounding Box - X (mm)	-46.09 to 45.91	Bounding Box - Y (mm)	-30.39 to 30.31	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	507549.28	Moment of Inertia - Y (mm⁴)	348855.50	Product of Inertia - XY (mm⁴)	7184.28	Radius of gyration - X (mm)	27.23	Radius of gyration - Y (mm)	22.27	Principal moment along X-Y (mm⁴)	507973.63 along (1.30 -0.05)	Principal moment along Y-X (mm⁴)	348853.12 along (-0.05 1.30)	Elastic Modulus - Xx (mm²)	177 y-max= 1201.47	Elastic Modulus - Yy (mm²)	277 x-max= 759.58	MEMBER : IW-15 GRADE : 6063-T6 FINISH : PVF2 3-COATING  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>654.5</td></tr><tr><td>Perimeter (mm)</td><td>148.64</td></tr><tr><td>Bounding Box - X (mm)</td><td>-10.91 to 10.49</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-11.58 to 9.94</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>4751.50</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>2880.84</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>-1.13</td></tr><tr><td>Radius of gyration - X (mm)</td><td>2.64</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>1.68</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>4751.48 along (1.00 0.00)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>2880.85 along (0.00 1.00)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 409.48</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>177 x-max= 369.20</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	654.5	Perimeter (mm)	148.64	Bounding Box - X (mm)	-10.91 to 10.49	Bounding Box - Y (mm)	-11.58 to 9.94	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	4751.50	Moment of Inertia - Y (mm⁴)	2880.84	Product of Inertia - XY (mm⁴)	-1.13	Radius of gyration - X (mm)	2.64	Radius of gyration - Y (mm)	1.68	Principal moment along X-Y (mm⁴)	4751.48 along (1.00 0.00)	Principal moment along Y-X (mm⁴)	2880.85 along (0.00 1.00)	Elastic Modulus - Xx (mm²)	177 y-max= 409.48	Elastic Modulus - Yy (mm²)	177 x-max= 369.20	MEMBER : IW-16 GRADE : 6063-T6 FINISH :  REGIONS <table><tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr><tr><td>Area (mm²)</td><td>687.1</td></tr><tr><td>Perimeter (mm)</td><td>176.18</td></tr><tr><td>Bounding Box - X (mm)</td><td>-14.48 to 14.54</td></tr><tr><td>Bounding Box - Y (mm)</td><td>-13.17 to 8.83</td></tr><tr><td>Centroid - X (mm)</td><td>0.00</td></tr><tr><td>Centroid - Y (mm)</td><td>0.00</td></tr><tr><td>Moment of Inertia - X (mm⁴)</td><td>6302.63</td></tr><tr><td>Moment of Inertia - Y (mm⁴)</td><td>1504.88</td></tr><tr><td>Product of Inertia - XY (mm⁴)</td><td>16.90</td></tr><tr><td>Radius of gyration - X (mm)</td><td>3.09</td></tr><tr><td>Radius of gyration - Y (mm)</td><td>1.17</td></tr><tr><td>Principal moment along X-Y (mm⁴)</td><td>6302.82 along (1.00 0.00)</td></tr><tr><td>Principal moment along Y-X (mm⁴)</td><td>1508.88 along (0.00 1.00)</td></tr><tr><td>Elastic Modulus - Xx (mm²)</td><td>177 y-max= 478.38</td></tr><tr><td>Elastic Modulus - Yy (mm²)</td><td>177 x-max= 804.64</td></tr></table>	MASS PROPERTIES (UNIT)	VALUES	Area (mm²)	687.1	Perimeter (mm)	176.18	Bounding Box - X (mm)	-14.48 to 14.54	Bounding Box - Y (mm)	-13.17 to 8.83	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of Inertia - X (mm⁴)	6302.63	Moment of Inertia - Y (mm⁴)	1504.88	Product of Inertia - XY (mm⁴)	16.90	Radius of gyration - X (mm)	3.09	Radius of gyration - Y (mm)	1.17	Principal moment along X-Y (mm⁴)	6302.82 along (1.00 0.00)	Principal moment along Y-X (mm⁴)	1508.88 along (0.00 1.00)	Elastic Modulus - Xx (mm²)	177 y-max= 478.38	Elastic Modulus - Yy (mm²)	177 x-max= 804.64	JOB NO. : J-856 PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T. TITLE : DIE LIST FOR IN-SITU WINDOW DATE : 02-Aug-21 SCALE : 1:40 DRAWN BY : Ivan CHECKED BY : 美特鋁質有限公司 MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666 <
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	684.59																																																																																																																																			
Perimeter (mm)	627.83																																																																																																																																			
Bounding Box - X (mm)	-46.09 to 45.91																																																																																																																																			
Bounding Box - Y (mm)	-30.39 to 30.31																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	507549.28																																																																																																																																			
Moment of Inertia - Y (mm⁴)	348855.50																																																																																																																																			
Product of Inertia - XY (mm⁴)	7184.28																																																																																																																																			
Radius of gyration - X (mm)	27.23																																																																																																																																			
Radius of gyration - Y (mm)	22.27																																																																																																																																			
Principal moment along X-Y (mm⁴)	507973.63 along (1.30 -0.05)																																																																																																																																			
Principal moment along Y-X (mm⁴)	348853.12 along (-0.05 1.30)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 1201.47																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 759.58																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	684.59																																																																																																																																			
Perimeter (mm)	627.83																																																																																																																																			
Bounding Box - X (mm)	-46.09 to 45.91																																																																																																																																			
Bounding Box - Y (mm)	-30.39 to 30.31																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	507549.28																																																																																																																																			
Moment of Inertia - Y (mm⁴)	348855.50																																																																																																																																			
Product of Inertia - XY (mm⁴)	7184.28																																																																																																																																			
Radius of gyration - X (mm)	27.23																																																																																																																																			
Radius of gyration - Y (mm)	22.27																																																																																																																																			
Principal moment along X-Y (mm⁴)	507973.63 along (1.30 -0.05)																																																																																																																																			
Principal moment along Y-X (mm⁴)	348853.12 along (-0.05 1.30)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 1201.47																																																																																																																																			
Elastic Modulus - Yy (mm²)	277 x-max= 759.58																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	654.5																																																																																																																																			
Perimeter (mm)	148.64																																																																																																																																			
Bounding Box - X (mm)	-10.91 to 10.49																																																																																																																																			
Bounding Box - Y (mm)	-11.58 to 9.94																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	4751.50																																																																																																																																			
Moment of Inertia - Y (mm⁴)	2880.84																																																																																																																																			
Product of Inertia - XY (mm⁴)	-1.13																																																																																																																																			
Radius of gyration - X (mm)	2.64																																																																																																																																			
Radius of gyration - Y (mm)	1.68																																																																																																																																			
Principal moment along X-Y (mm⁴)	4751.48 along (1.00 0.00)																																																																																																																																			
Principal moment along Y-X (mm⁴)	2880.85 along (0.00 1.00)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 409.48																																																																																																																																			
Elastic Modulus - Yy (mm²)	177 x-max= 369.20																																																																																																																																			
MASS PROPERTIES (UNIT)	VALUES																																																																																																																																			
Area (mm²)	687.1																																																																																																																																			
Perimeter (mm)	176.18																																																																																																																																			
Bounding Box - X (mm)	-14.48 to 14.54																																																																																																																																			
Bounding Box - Y (mm)	-13.17 to 8.83																																																																																																																																			
Centroid - X (mm)	0.00																																																																																																																																			
Centroid - Y (mm)	0.00																																																																																																																																			
Moment of Inertia - X (mm⁴)	6302.63																																																																																																																																			
Moment of Inertia - Y (mm⁴)	1504.88																																																																																																																																			
Product of Inertia - XY (mm⁴)	16.90																																																																																																																																			
Radius of gyration - X (mm)	3.09																																																																																																																																			
Radius of gyration - Y (mm)	1.17																																																																																																																																			
Principal moment along X-Y (mm⁴)	6302.82 along (1.00 0.00)																																																																																																																																			
Principal moment along Y-X (mm⁴)	1508.88 along (0.00 1.00)																																																																																																																																			
Elastic Modulus - Xx (mm²)	177 y-max= 478.38																																																																																																																																			
Elastic Modulus - Yy (mm²)	177 x-max= 804.64																																																																																																																																			



B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- X1 — DETAIL MARK NO.
 X001 — REFER SHEET NO.

1. F.F.L. — FINISHED FLOOR LEVEL
2. S.F.L. — STRUCTURAL FLOOR LEVEL
3. (R) — REVERSED DETAIL
4. GLASS LEGEND

EGL-1 — 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.

EGL-2 — 10mm THK. CLEAR TEMPERED GLASS

EGL-4 — 10mm THK. TEMPERED ACID ETCHED GLASS

E	11/11/2022	UPDATE 14TH 20221109 GBP	Ivan
D	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
A	09/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
NO.	DATE	REVISED	BY

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

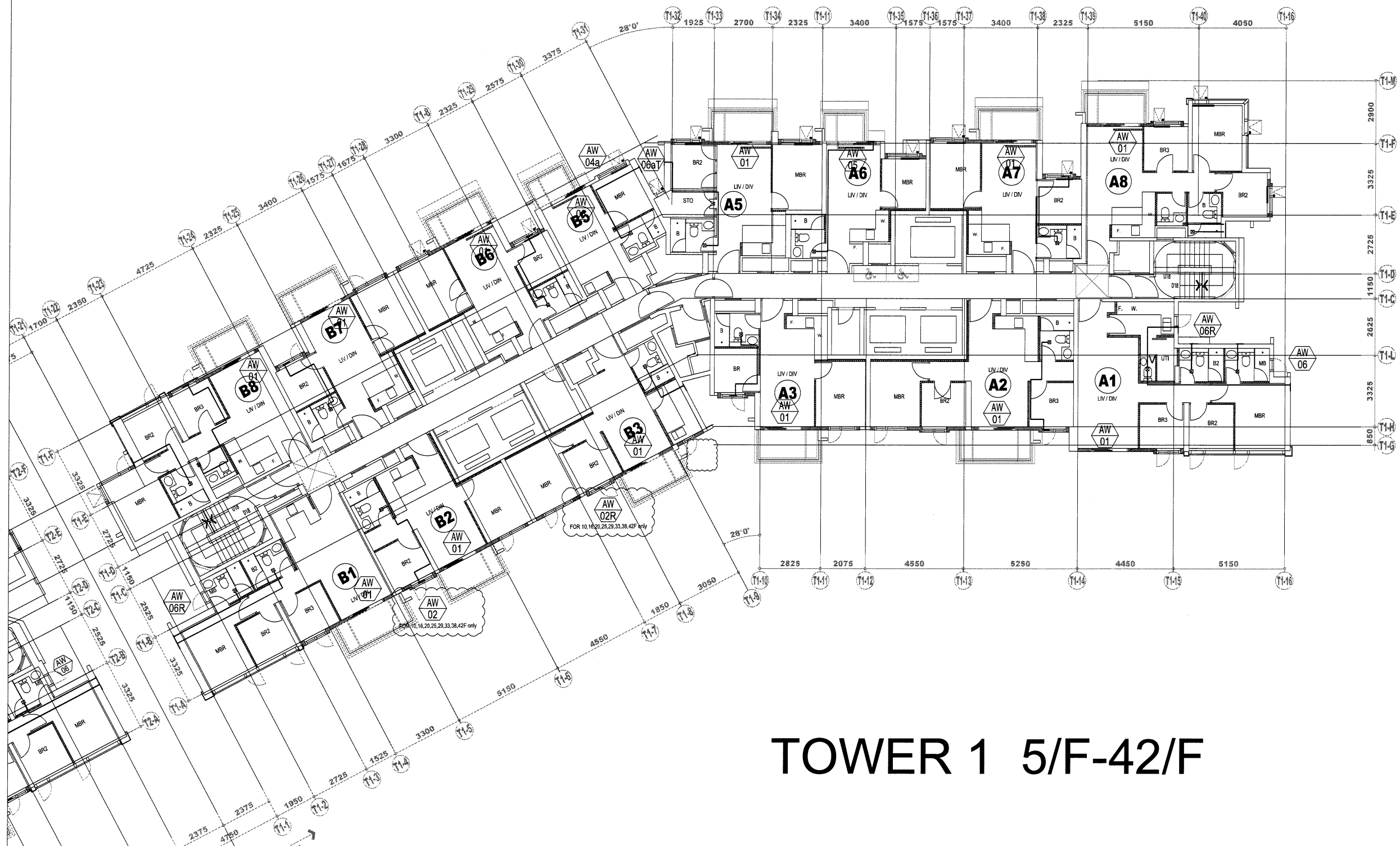
TITLE :
PLAN FOR IN-SITU WINDOW
AT TOWER 1

DATE : 02-Aug-21 SCALE : 1:200

DRAWN BY : Ivan CHECKED BY :

美特鋁質有限公司
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3101 REV. : E



TOWER 1 5/F-42/F

B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- x1 --- DETAIL MARK NO.
- x001 --- REFER SHEET NO.

1. F.F.L. --- FINISHED FLOOR LEVEL
2. S.F.L. --- STRUCTURAL FLOOR LEVEL
3. --- REVERSED DETAIL
4. GLASS LEGEND

EGL-1---8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.

EGL-2---10mm THK. CLEAR TEMPERED GLASS

EGL-4---10mm THK. TEMPERED ACID ETCHED GLASS

E	11/11/2022	UPDATE 14TH 20221109 GBP	Ivan
D	25/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	21/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
A	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
NO.	DATE	REVISED	BY

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE :
PLAN FOR IN-SITU WINDOW
AT TOWER 1

DATE : 02-Aug-21 SCALE : 1:200

DRAWN BY : Ivan CHECKED BY :

美特鋁質有限公司
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3102 REV. : G

TOWER 1 R/F

B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- X1 --- DETAIL MARK NO.
X001 --- REFER SHEET NO.

1. F.F.L. --- FINISHED FLOOR LEVEL
2. S.F.L. --- STRUCTURAL FLOOR LEVEL
3. (R) --- REVERSED DETAIL
4. GLASS LEGEND
EGL-1 --- 8mm+12mm AIR GAP+8mm THK. I.G.U.
EGL-2 --- 10mm THK. CLEAR TEMPERED GLASS

NO.	DATE	REVISED	BY
-----	------	---------	----

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWL
NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE :
PLAN FOR IN-SITU LOUVER
TOWER 1

DATE : 02-Aug-21 SCALE : 1:40

DRAWN BY : Ivan CHECKED BY :

美特铝质有限公司
MIDI ALUMINUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 27727666

DWG NO. : J856-SD-IW-3107

REV. : -

TOWER 1 UR/F

B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- X1 --- DETAIL MARK NO.
X001 --- REFER SHEET NO.

1. F.F.L. --- FINISHED FLOOR LEVEL
2. S.F.L. --- STRUCTURAL FLOOR LEVEL
3. (R) --- REVERSED DETAIL

4. GLASS LEGEND
EGL-1---8mm+12mm AIR GAP+8mm THK. I.G.U.
EGL-2---10mm THK. CLEAR TEMPERED GLASS

NO.	DATE	REVISED	BY
JOB NO. :	J-856		
PROJECT :	PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.		
TITLE :	PLAN FOR IN-SITU LOUVER T1&T2 R/F		
DATE :	02-Aug-21	SCALE :	1:40
DRAWN BY :	Ivan	CHECKED BY :	
 美特鋁質有限公司 MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 2727666			
DWG NO. :	J856-SD-IW-3107	REV. :	-

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

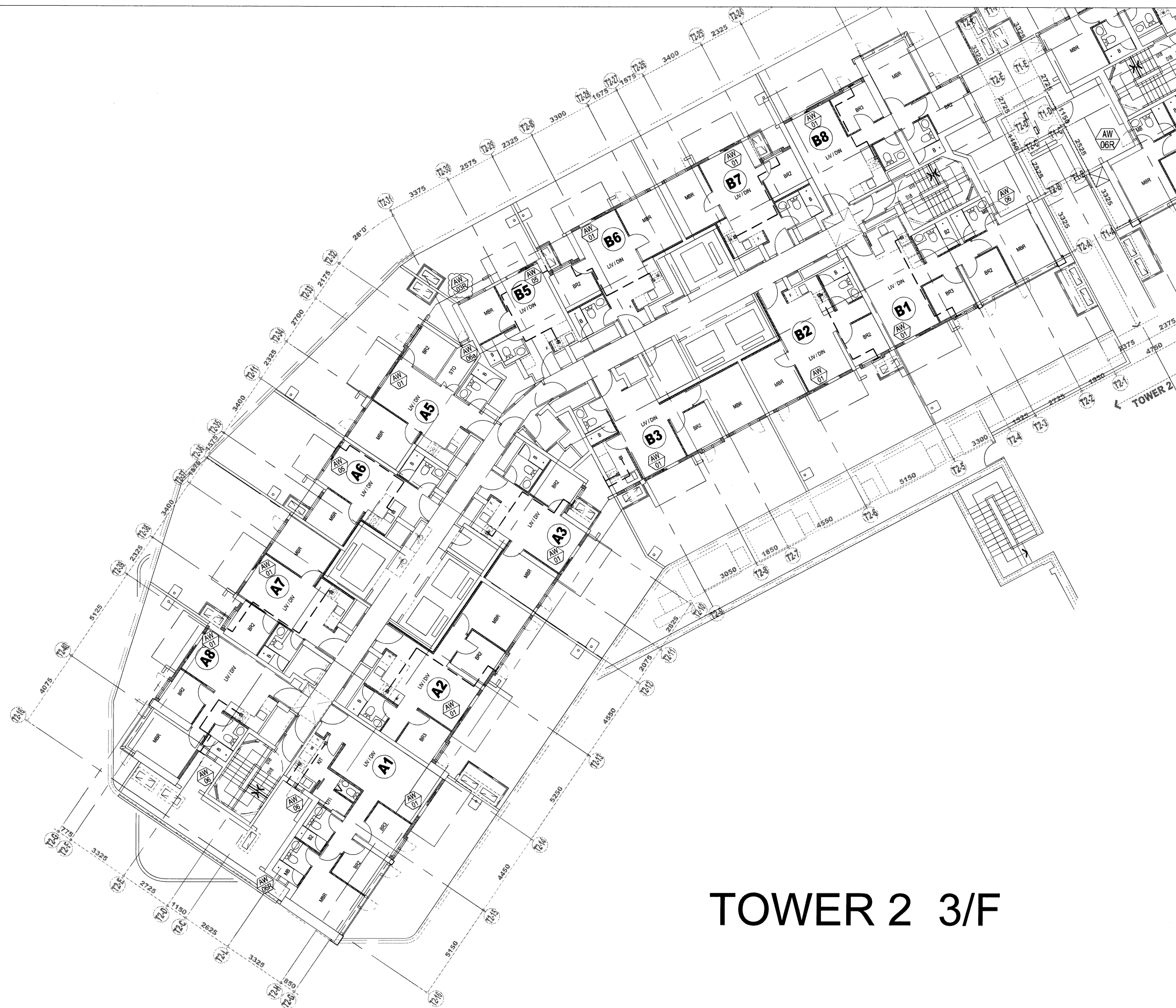
TITLE :
PLAN FOR IN-SITU LOUVER
T1&T2 R/F

DATE : 02-Aug-21 SCALE : 1:40

DRAWN BY : Ivan CHECKED BY :

 **美特鋁質有限公司**
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3107 REV. : -



TOWER 2 3/F

B.D. REF :

CLIENT :
SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :
lwk&partners
architects

MAIN CONTRACTOR :
Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :
ARUP

FACADE CONSULTANT:
ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :
X1 --- DETAIL MARK NO.
X001 --- REFER SHEET NO.

1. F.F.L. --- FINISHED FLOOR LEVEL
2. S.F.L. --- STRUCTURAL FLOOR LEVEL
3. (R) --- REVERSED DETAIL
4. GLASS LEGEND
EGL-1---8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
EGL-2---10mm THK. CLEAR TEMPERED GLASS
EGL-4---10mm THK. TEMPERED ACID ETCHED GLASS

NO.	DATE	REVISED	BY
F	11/11/2022	UPDATE 14TH 20221109 GBP	Ivan
E	11/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
D	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
A	09/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

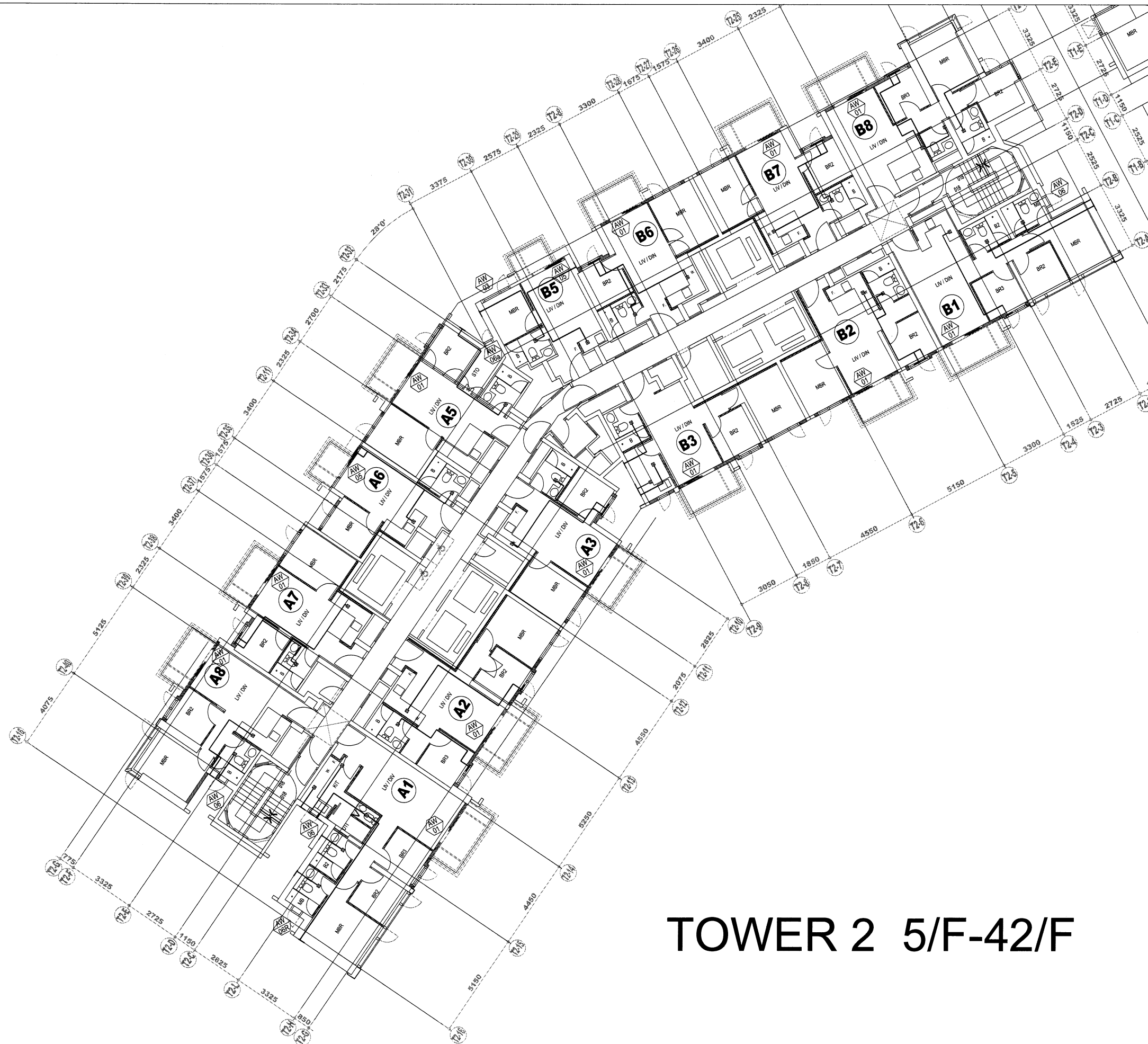
TITLE :
PLAN FOR IN-SITU WINDOW
AT TOWER 2

DATE : 02-Aug-21 SCALE : 1:200

DRAWN BY : Ivan CHECKED BY :

美特鋁質有限公司
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3201 REV. : F



WINDOW MARK	QUANTITY
AW-02	9
AW-02R	4
AW-03R	3
AW-04	5
AW-04R	1
AW-06	1
AW-08	1

TOWER 2 5/F-42/F

B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- x1 — DETAIL MARK NO.
- x001 — REFER SHEET NO.

1. F.F.L. — FINISHED FLOOR LEVEL
2. S.F.L. — STRUCTURAL FLOOR LEVEL
3. (R) — REVERSED DETAIL
4. GLASS LEGEND

EGL-1 — 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.

EGL-2 — 10mm THK. CLEAR TEMPERED GLASS

EGL-4 — 10mm THK. TEMPERED ACID ETCHED GLASS

E	11/11/2022	UPDATE 14TH 20221109 GBP	Ivan
D	11/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	21/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
A	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
NO.	DATE	REVISED	BY

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

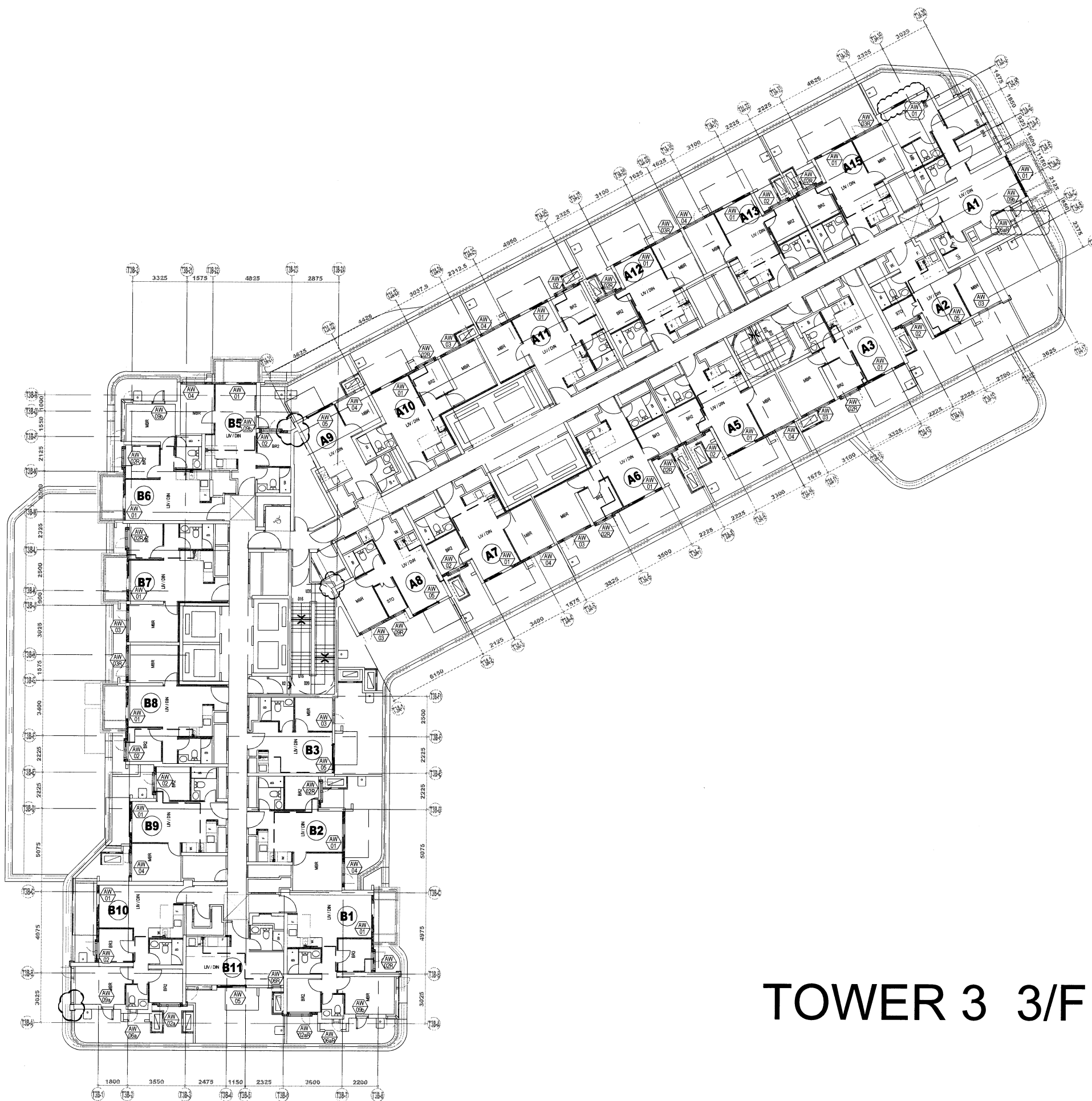
TITLE :
PLAN FOR IN-SITU WINDOW
AT TOWER 2

DATE : 02-Aug-21 SCALE : 1:200

DRAWN BY : Ivan CHECKED BY :

美特鋁質有限公司
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3202 REV. : E



WINDOW MARK	QUANTITY
AW-02	9
AW-02R	10
AW-02a	1
AW-02aR	1
AW-03	5
AW-03R	3
AW-04	7
AW-09R	1

TOWER 3 3/F

B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- X1 --- DETAIL MARK NO.
- X001 --- REFER SHEET NO.

1. F.F.L. --- FINISHED FLOOR LEVEL
2. S.F.L. --- STRUCTURAL FLOOR LEVEL
3. (R) --- REVERSED DETAIL
4. GLASS LEGEND

EGL-1---8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.

EGL-2---10mm THK. CLEAR TEMPERED GLASS

EGL-4---10mm THK. TEMPERED ACID ETCHED GLASS

F	11/11/2022	UPDATE 14TH 20221109 GBP	Ivan
E	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
D	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
A	09/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
NO.	DATE	REVISED	BY

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

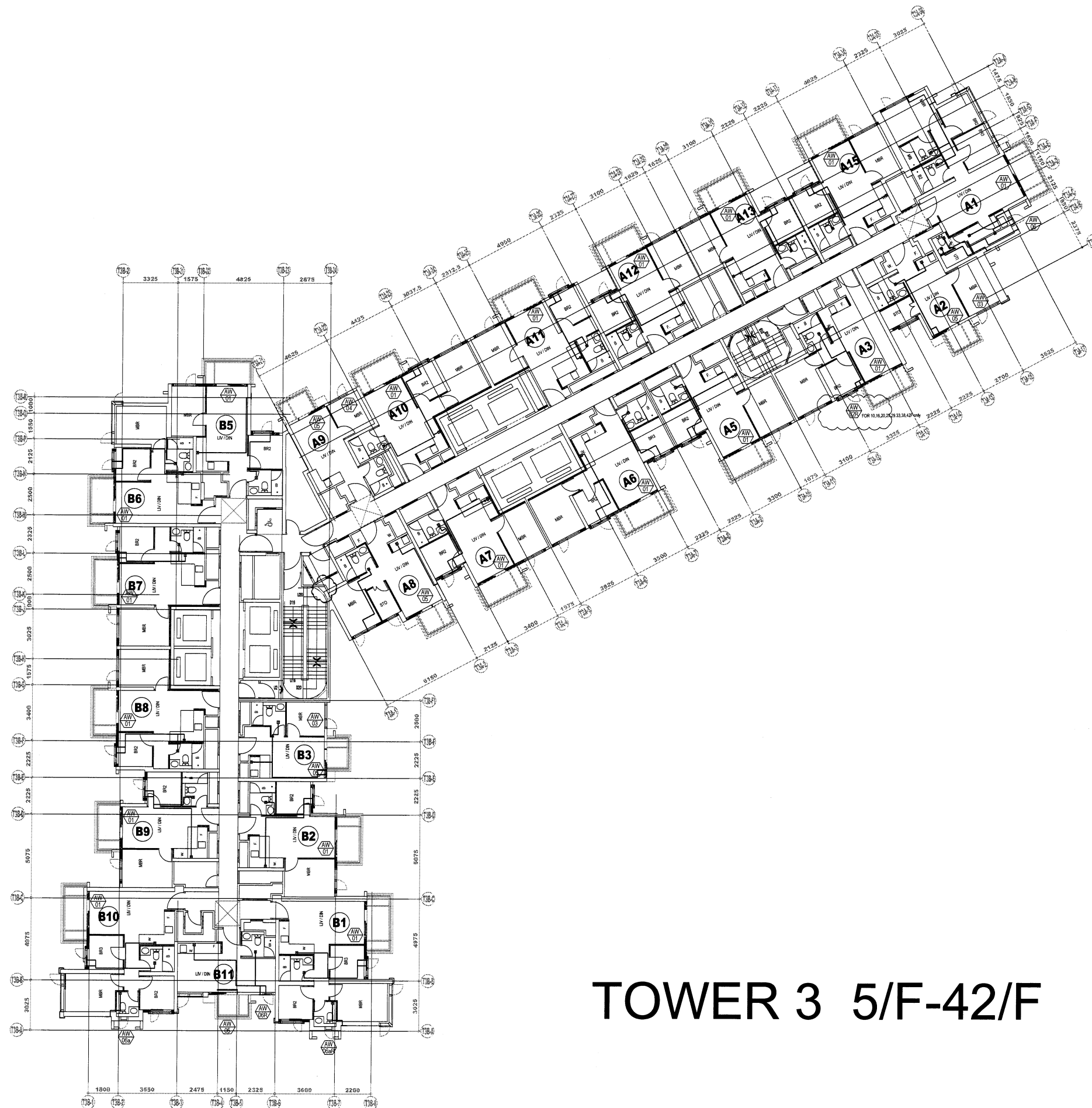
TITLE :
PLAN FOR IN-SITU WINDOW
AT TOWER 3

DATE : 02-Aug-21 SCALE : 1:200

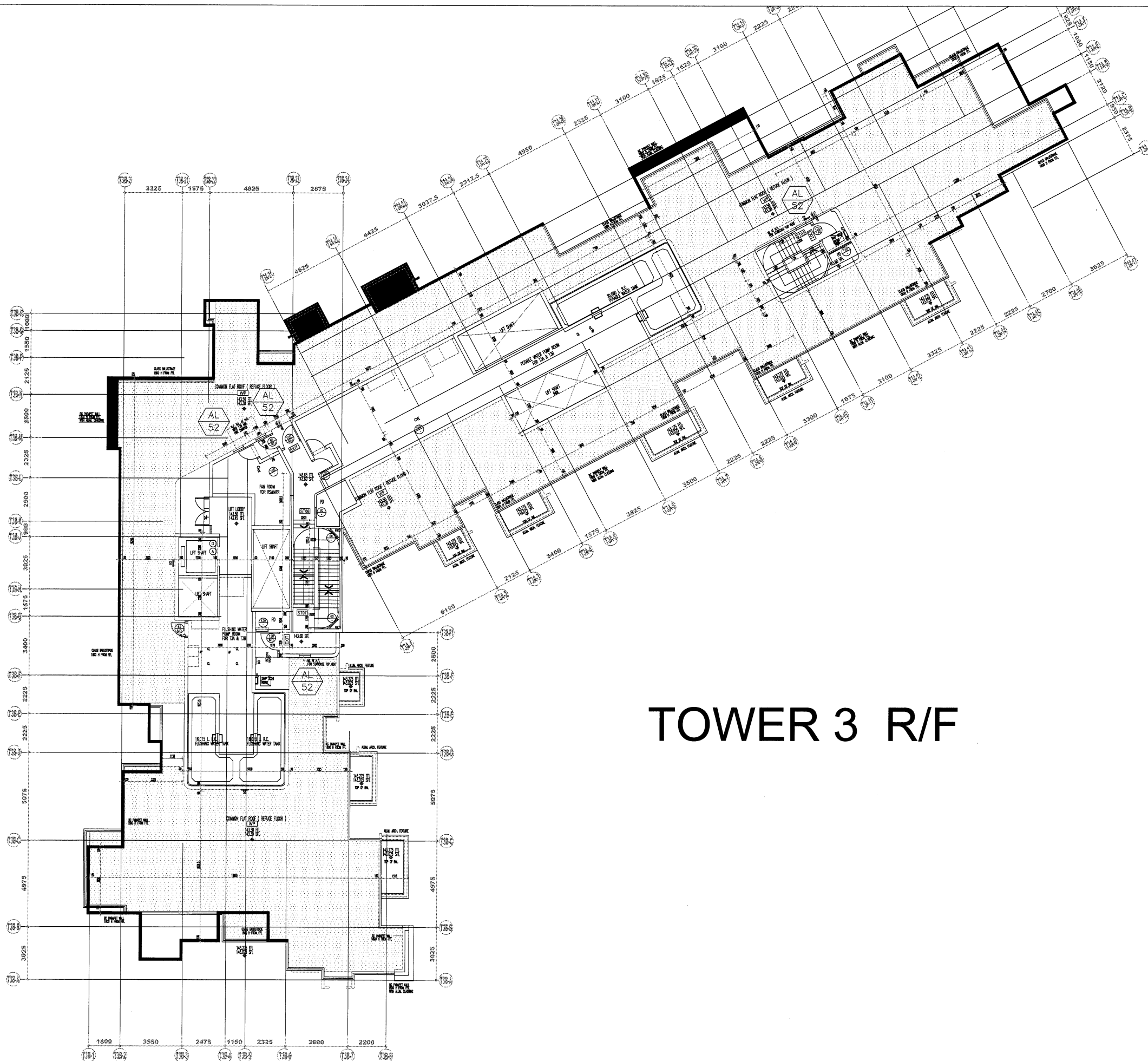
DRAWN BY : Ivan CHECKED BY :

MIDI 美特鋁質有限公司
ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3301 REV. : F



B.D. REF :



TOWER 3 R/F

B.D. REF :

CLIENT :

SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lwk&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :

ARUP

FACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

NOTE :

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

- x1 — DETAIL MARK NO.
X001 — REFER SHEET NO.

1. F.F.L. — FINISHED FLOOR LEVEL
2. S.F.L. — STRUCTURAL FLOOR LEVEL
3. (M) — REVERSED DETAIL
4. GLASS LEGEND

EGL-1 — 8mm+12mm AIR GAP+8mm THK. I.G.U.
EGL-2 — 10mm THK. CLEAR TEMPERED GLASS

NO.	DATE	REVISED	BY
-----	------	---------	----

JOB NO. : J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE :
PLAN FOR IN-SITU LOUVER
AT TOWER 3

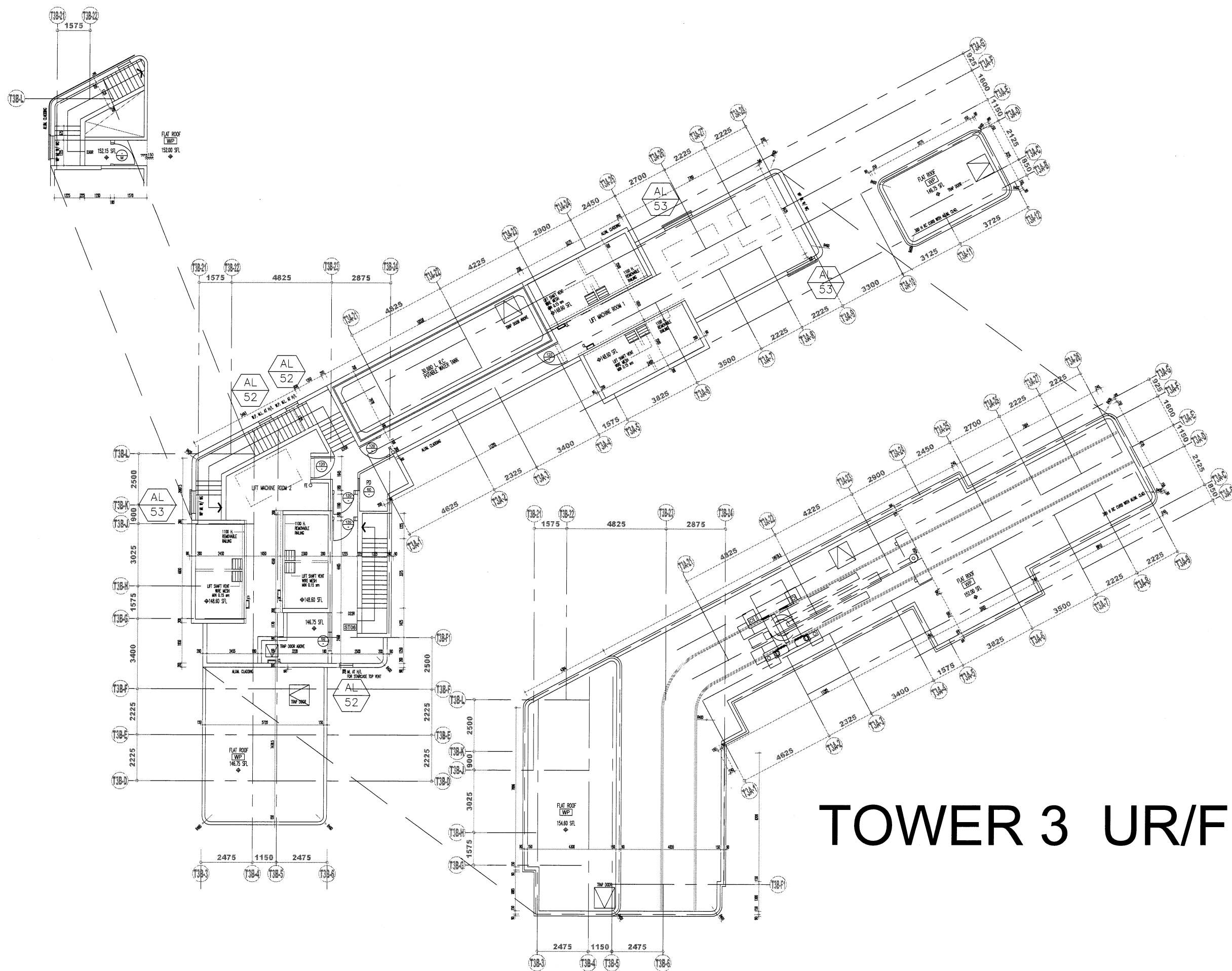
DATE : 02-Aug-21 SCALE : 1:40

DRAWN BY : Ivan CHECKED BY :

美特铝质有限公司
MIDI ALUMINIUM FABRICATOR LTD.
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 2727666

DWG NO. : J856-SD-IW-3306

REV. : -



TOWER 3 UR/F

B.D. REF :

CLIENT :
SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :
lwk&partners
architects

MAIN CONTRACTOR :
Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER :
ARUP

FACADE CONSULTANT:
ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

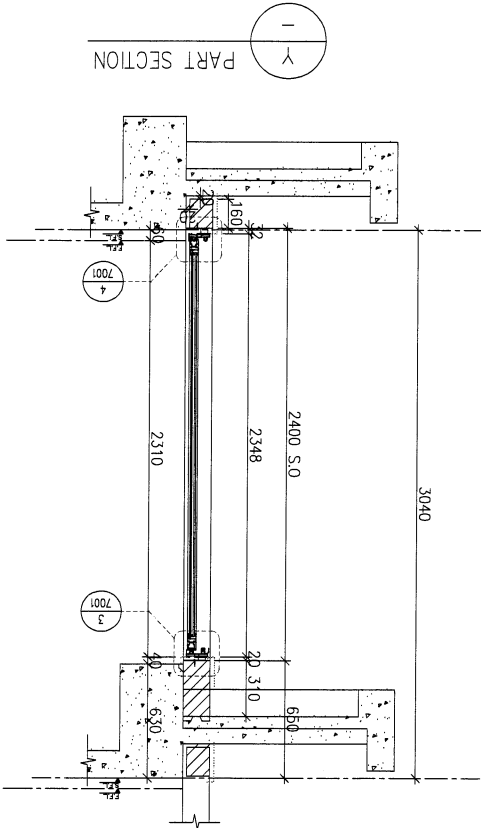
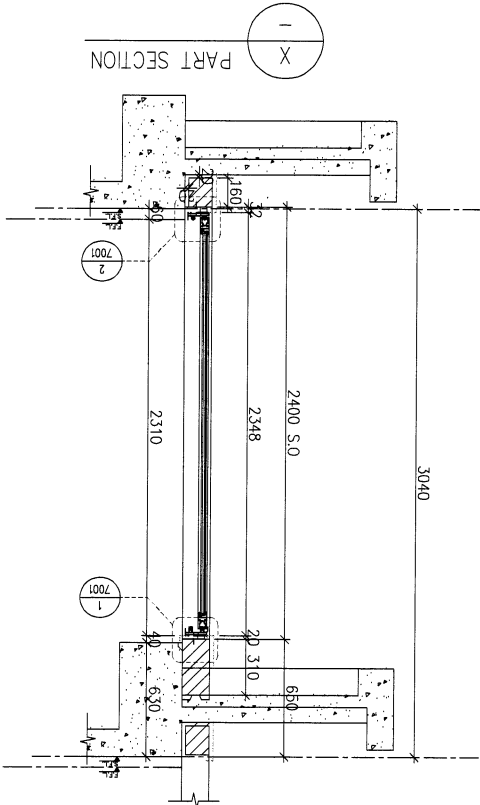
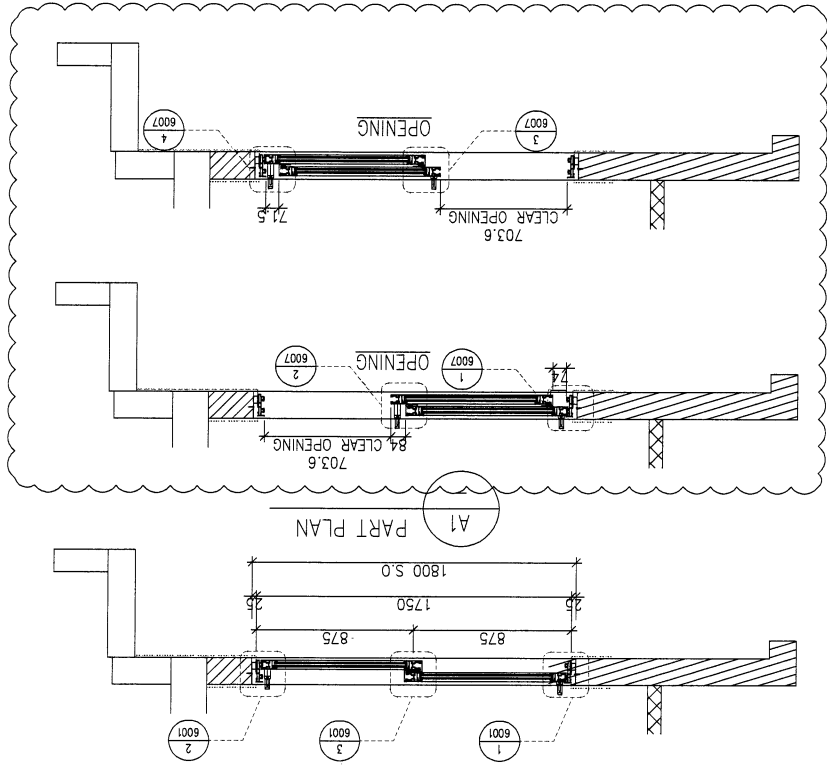
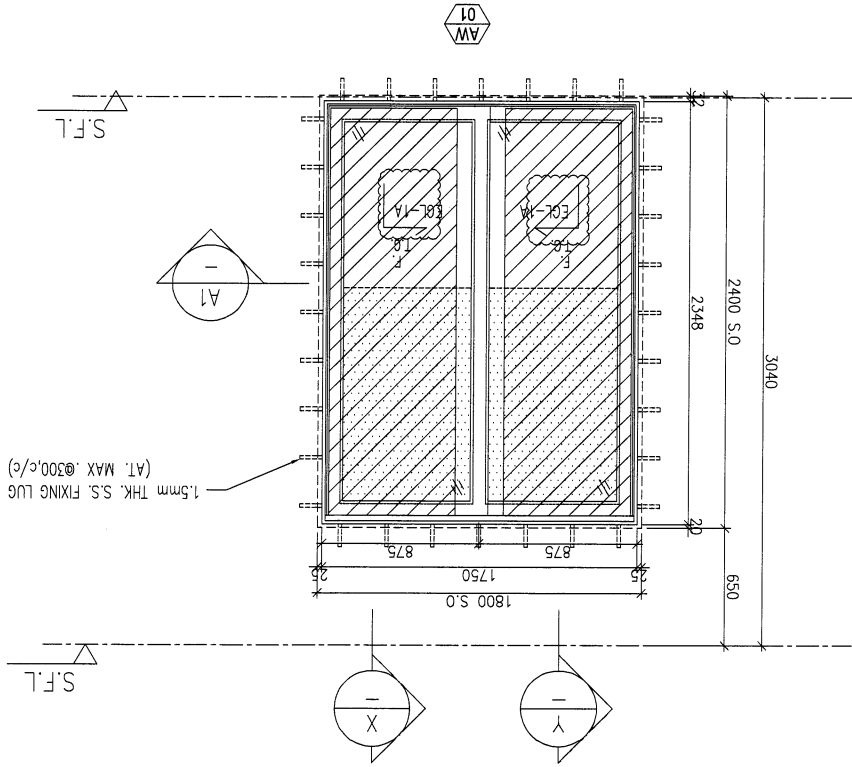
NOTE :
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :
X1 -- DETAIL MARK NO.
X001 -- REFER SHEET NO.

1. F.F.L. -- FINISHED FLOOR LEVEL
2. S.F.L. -- STRUCTURAL FLOOR LEVEL
3. (R) -- REVERSED DETAIL
4. GLASS LEGEND
EGL-1 -- 8mm+12mm AIR GAP+8mm THK. I.G.U.
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS

NO.	DATE	REVISED	BY
JOB NO. :	J-856		
PROJECT :	PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.		
TITLE :	PLAN FOR IN-SITU LOUVER AT TOWER 3		
DATE : 02-Aug-21	SCALE : 1:40		
DRAWN BY : Ivan	CHECKED BY :		
美特鋁質有限公司 MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 2727666			
DWG NO. : J856-SD-IW-3307	REV. : -		

	REQUIRE	OPENABLE AREA	1.447	1.682	1.591	1.681
	PROVIDED	GLAZING AREA	OPENABLE AREA	GLAZING AREA	GLAZING AREA	GLAZING AREA
LOCATION	AL-LIV					

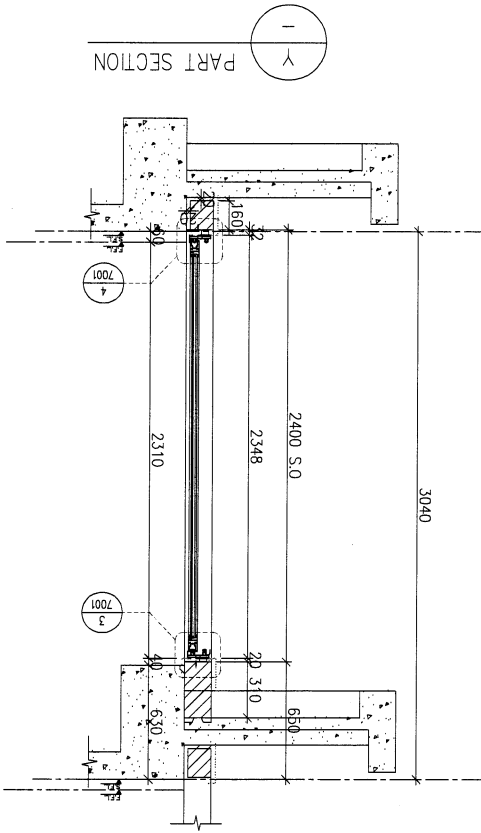
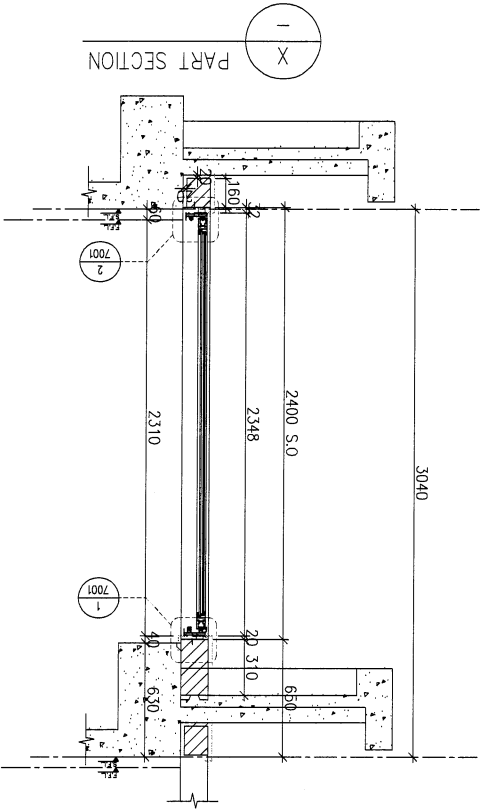
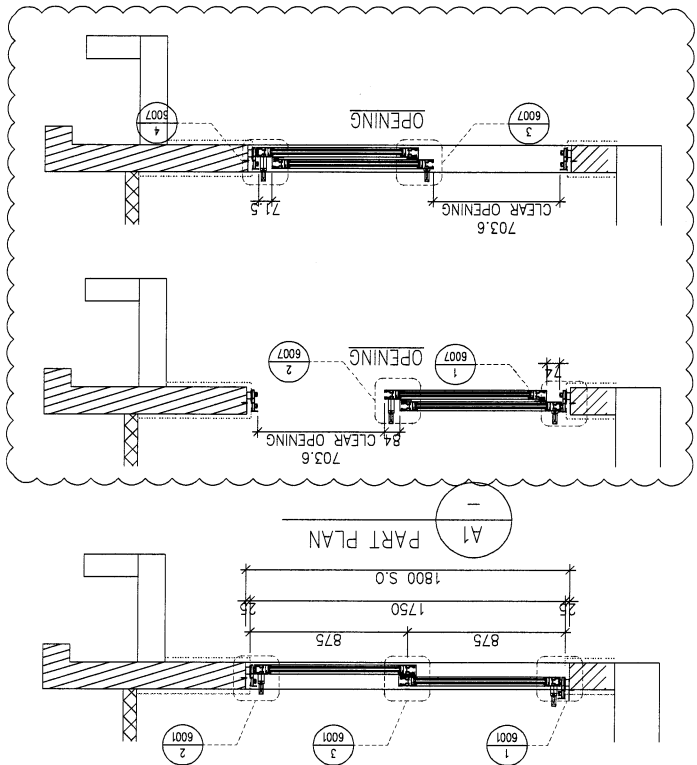


B.D. REF. :	
CLIENT :	
K SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
SK 怡輝建築有限公司 Yee Fai Building Contractors Ltd.	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
100X DETAIL MARK NO.	
3. REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (A) -- REVERSED DETAIL	
4. GLASS LEGEND	
ECL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
ECL-2--10mm THK. CLEAR TEMPERED GLASS	
ECL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
ECL-14--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
B71/B81--FIXING DETAIL (DWG. NO. F102)	
B82--FIXING DETAIL (DWG. NO. F102)	
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TWIN STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	
DATE : 02-Aug-21	
DRAWN BY : Ivan	
CHECKED BY :	
美特堅有限公司 MIDI ALUMINIUM FABRICATOR LTD.	
Units 6-8, Sunmy Industrial Centre, 1/F 610 Cheong Kwong Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
DWG NO. : J856-SD-IW-5101	
REV. : E	

LOCATION	OPENABLE AREA	1.272	1.527	1.591	1.681
	GLAZING AREA				
	PROVIDED				
B3-LIV		1.048	1.486		
A5-LIV		1.198	1.409		
A2-LIV		1.272	1.527	1.591	1.681
REQUIRE					

Architectural drawing of a double door assembly. The drawing includes the following details:

- Dimensions:**
 - Overall width: 1800 S.O.
 - Overall height: 3040
 - Door leaf width (each): 875
 - Door leaf height (each): 2400 S.O.
 - Clearance at top and bottom: 20
 - Clearance on sides: 25
- Labels and Callouts:**
 - 10 MV**: Located at the top center.
 - S.F.L**: Located at the top left and bottom left.
 - A1**: Located on the left side, pointing to the door leaf.
 - 1.5mm THK. S.S. FIXING LUG (AT. MAX. @300/c)**: Located on the left side, pointing to the door leaf.
 - 1750**: Dimension across the bottom of the door assembly.
 - 2400 S.O.**: Dimension across the top of the door assembly.
 - 2348**: Dimension across the top of the door assembly.
 - 650**: Dimension across the bottom of the door assembly.
 - 875**: Dimension across the width of each door leaf.
 - 20**: Dimension across the top and bottom of the door assembly.
 - 25**: Dimension across the sides of the door assembly.
- Other Details:**
 - Two circular symbols labeled **X** and **Y** are located at the bottom left and bottom right, respectively.
 - The door assembly is shown with a central vertical line and diagonal hatching on the door leaves.



NO.	DATE	REVISIONS
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT
D	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT
E	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT

NOTE:
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND:

100X
X1

--DETAIL MARK NO.
--REFER SHEET NO.
3. --REVERSED DETAIL
2. S.F.L. --STRUCTURAL FLOOR LEVEL
1. F.F.L. --FINISHED FLOOR LEVEL
4. GLASS LEGEND
EOL-1--8mmthk+12mm AIR GAP+10mmTP THK, I.G.U
EOL-2--10mm THK, CLEAR TEMPERED GLASS
EOL-14-8mmthk+12mm AIR GAP+8mmTP THK, I.G.U
BT/BB1-FIXING DETAIL (DWG. NO. PD01)
BB2-FIXING DETAIL (DWG. NO. PD02)

Client :	 SUN HUNG KAI REAL ESTATE AGENT LTD.
ARCHITECT :	42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG Iw&k&partners a r c h i t e c t s
MAIN CONTRACTOR :	 Yee Pal Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

DATE: 02-Aug-21	SCALE: 1:40	CHECKED BY:	 MIDI ALUMINIUM FABRICATOR LTD. 美特铝质有限公司
DRAWN BY: Ivon		Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kwloon Tel: 23489211-4 Fax: (852) 27727666	
DWG NO.: J856-SD-IW-5102		REV.: E	

B.D. REF :

ARCHIT

MAIN CONTRACTOR :

YK **怡輝建築有限公司** **Yee Fai Building Contractors Ltd.**

STRUCTURAL ENGINEER :

ARUP

ACADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist

ALL DIMENSIONS ARE IN mm.
ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
ALL DIMENSIONS TO BE VERIFIED ON SITE
BEFORE FABRICATION.

EGEND:

F.F.L. -- FINISHED FLOOR LEVEL
 S.F.L. -- STRUCTURAL FLOOR LEVEL
 (R) -- REVERSED DETAIL

GL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.

GL-4---10mm THK. TEMPERED ACID ETCHED GLASS
GL-1A-8mmHS+12mm ALR GAP+8mmTP THK 1511

T1/B81-FIXING DETAIL (DWG. NO. FD01)
B2-FIXING DETAIL (DWG. NO. FD02)

26/06/2022	REVISION SUBJECT TO ARCH.COMMENT	IGN
28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	IGN

23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT
------------	----------------------------------	------------	----------------------------------

DATE	REMOVED	BY
------	---------	----

DB NO. : J-856

PROJECT :

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TWIN STOP, TSWL
NO.23, AREA 33, TIN SHUI WAI, N.T.

FILE :
WINDOW SCHEDULE FOR
TOWER 1 IN-SITU WINDOW

: 371

WINDOW SCHEDULE FOR
TOWER 1 IN-SITU WINDOW

DATE :

ATE : 02-Aug-21

SCALE : 1:40

RAWN BY: IVDN

LOCATION	3/F-42/F (4/F, 13/F, 14/F, 24/F, 34/F OMITTED) UNIT B3, A2, A5
----------	--

SECTION	/0mm ALUM. SECTION
---------	--------------------

GLAZING	EGL-1A
---------	--------

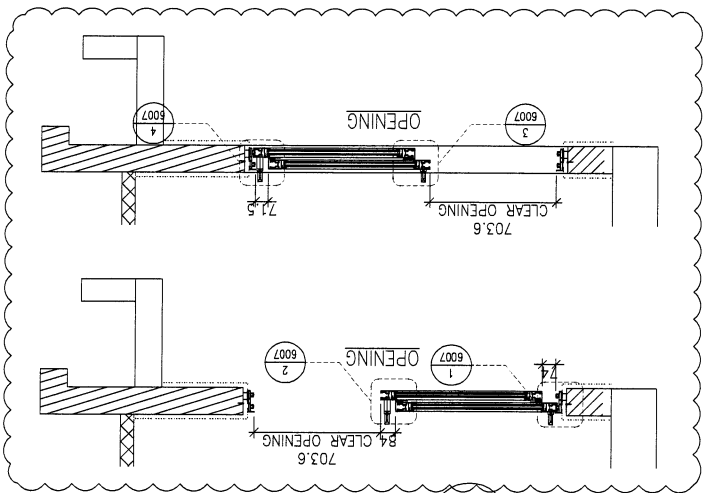
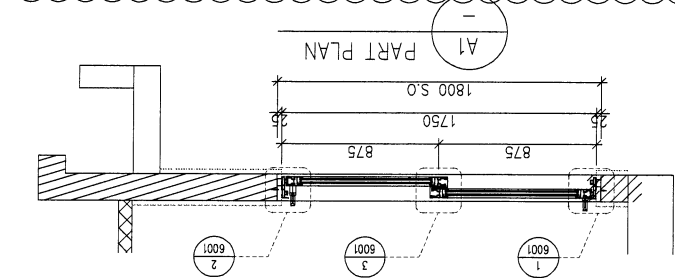
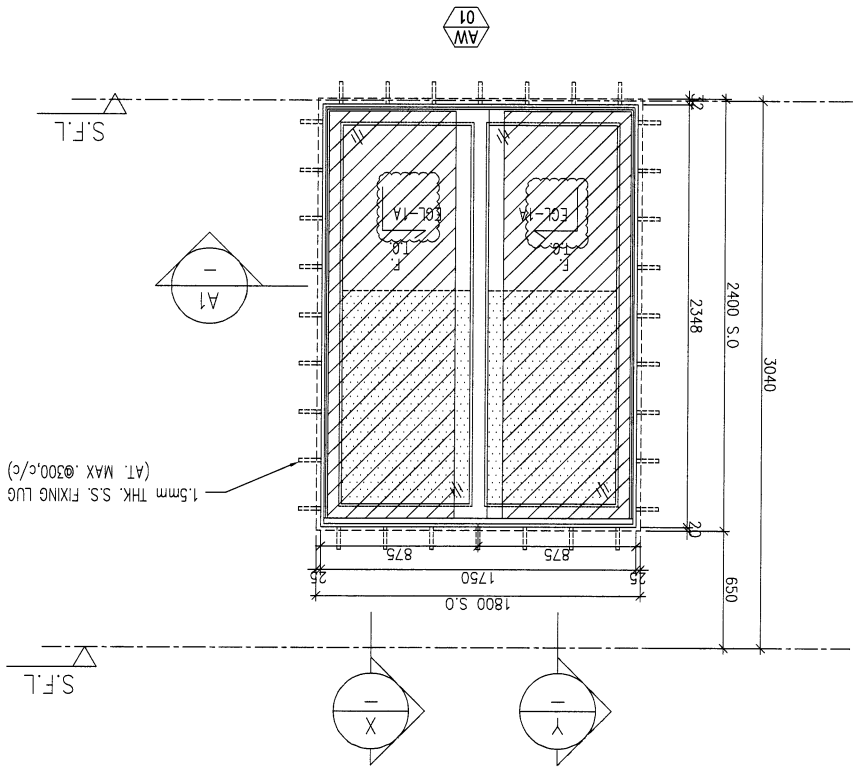
QUANTITY	35 Nos./35	35 Nos./35	35 Nos./35
----------	------------	------------	------------

REMARKS	FACADE(TYPE 1)F02 FOR 3/F~42/F)
---------	---------------------------------

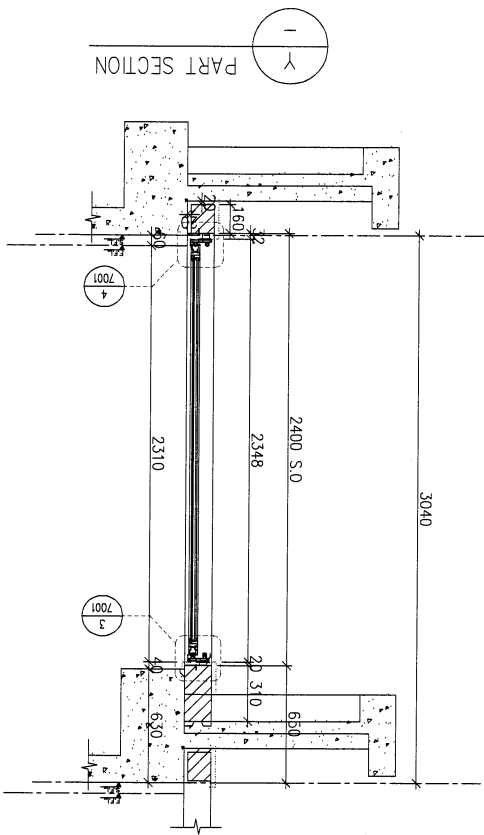
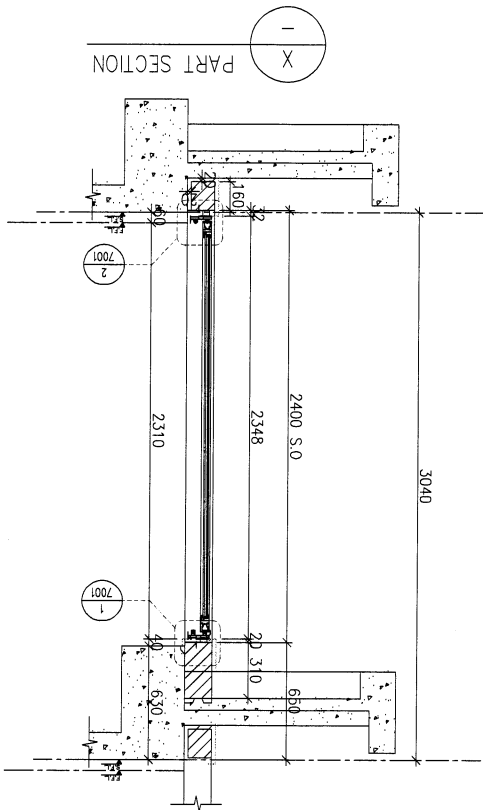
ELEVATION

WINDOW
MARK

LOCATION	OPENABLE AREA	GLAZING AREA	PROVIDED
A3-LIV	1.212	1.416	1.591
A5-LIV	1.210	1.429	
B2-LIV	1.240	1.475	
B6-LIV	1.196	1.405	
B7-LIV	1.196	1.405	



WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AW 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A3,A7,B6,B2,B7	70mm ALUM. SECTION	EGL-1A	35 Nos./35 Nos./35 Nos./35 Nos.	FACADE(TYPE 11PF04 FOR 3/F~42/F)
AW 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B7	70mm ALUM. SECTION	EGL-1A	35 Nos.	FACADE(TYPE 11PF04R FOR 3/F~42/F)

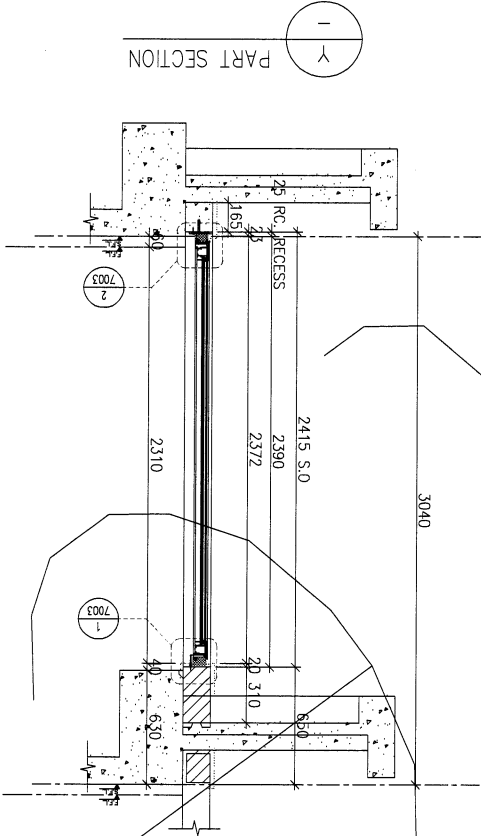
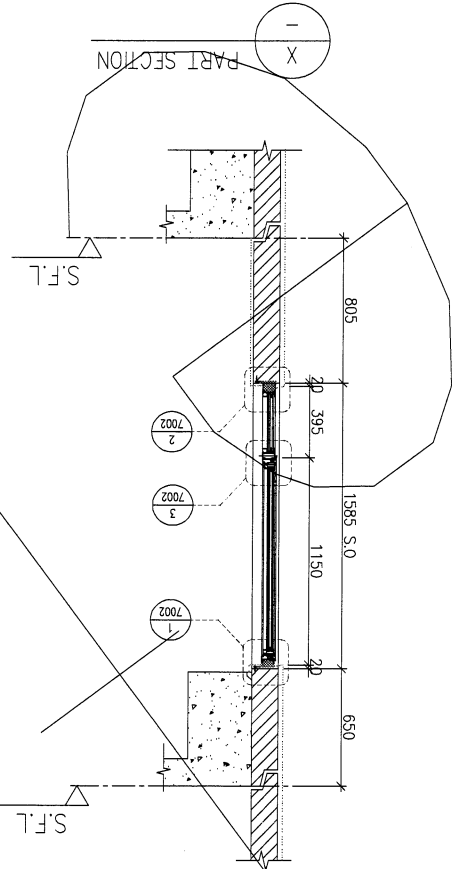
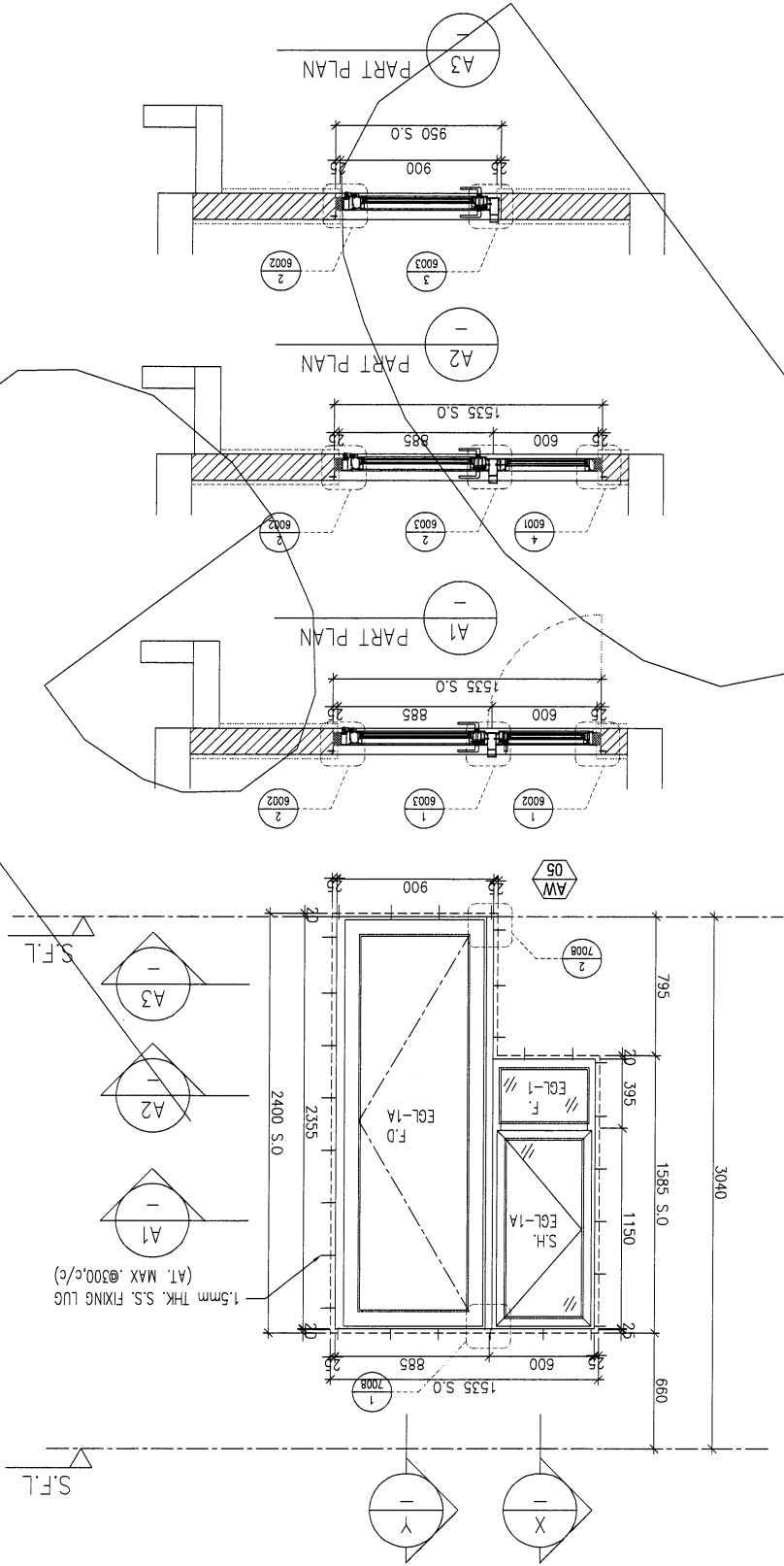


B.D. REF. :	
CLIENT :	
ARCHITECT : H K SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
MAIN CONTRACTOR : Iw&partners a r c h i t e c t s	
STRUCTURAL ENGINEER : Yee Fai Building Contractors Ltd. 怡慎建築有限公司	
FACADE CONSULTANT: ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE: 1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND: X1 100% DETAIL MARK NO. REFER SHEET NO. 1. F.F.L. -- FINISHED FLOOR LEVEL 2. S.F.L. -- STRUCTURAL FLOOR LEVEL 3. (R) -- REVERSED DETAIL 4. GLASS LEGEND EdL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EdL-2--10mm THK. CLEAR TEMPERED GLASS EdL-4--10mm THK. TEMPERED ACID ETCHED GLASS EdL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. B1/B1-B1-FIXING DETAIL (DWG. NO. FD01) B82-FIXING DETAIL (DWG. NO. FD02)	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	
JOB NO. : J-856	
BY : NO. E 26/06/2022 D 28/07/2022 C 22/06/2022 B 23/11/2021 A 10/11/2021 REVISION SUBJECT TO ARCH. COMMENT REVISION SUBJECT TO ARCH. COMMENT REVISION SUBJECT TO ARCH. COMMENT REVISION SUBJECT TO ARCH. COMMENT REVISION SUBJECT TO ARCH. COMMENT REVISION SUBJECT TO ARCH. COMMENT	
DATE : 02-Aug-21 SCALE : 1:40 CHECKED BY : DRAWN BY : Ivon	
Units 6-8, Sunny Industrial Centre, 1/F 810 Cho Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27727666 DWG NO. : J856-SD-IW-5103 REV. : E	

WINDOW MARK
LOCATION
SECTION
GLAZING
QUANTITY
REMARKS

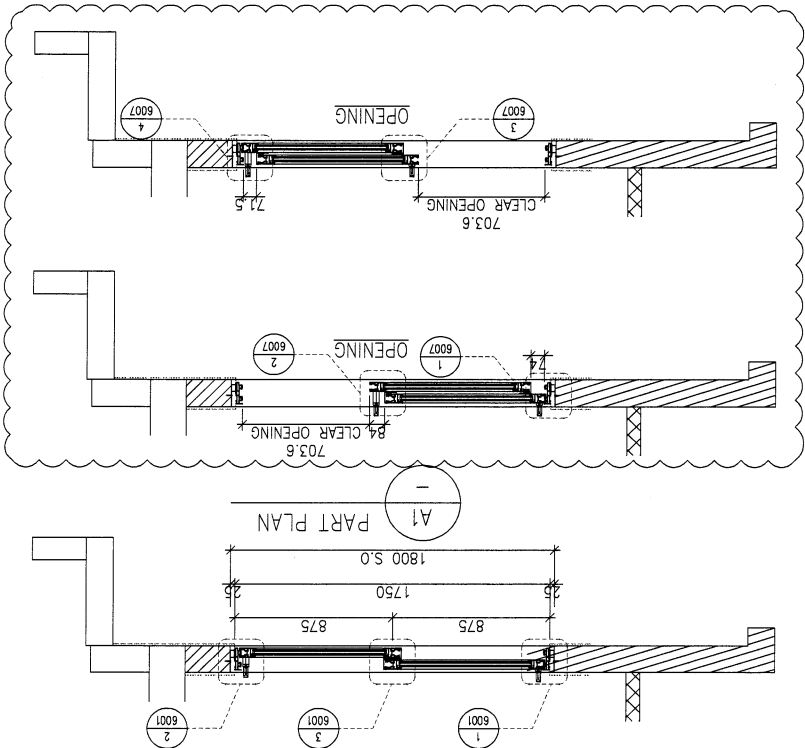
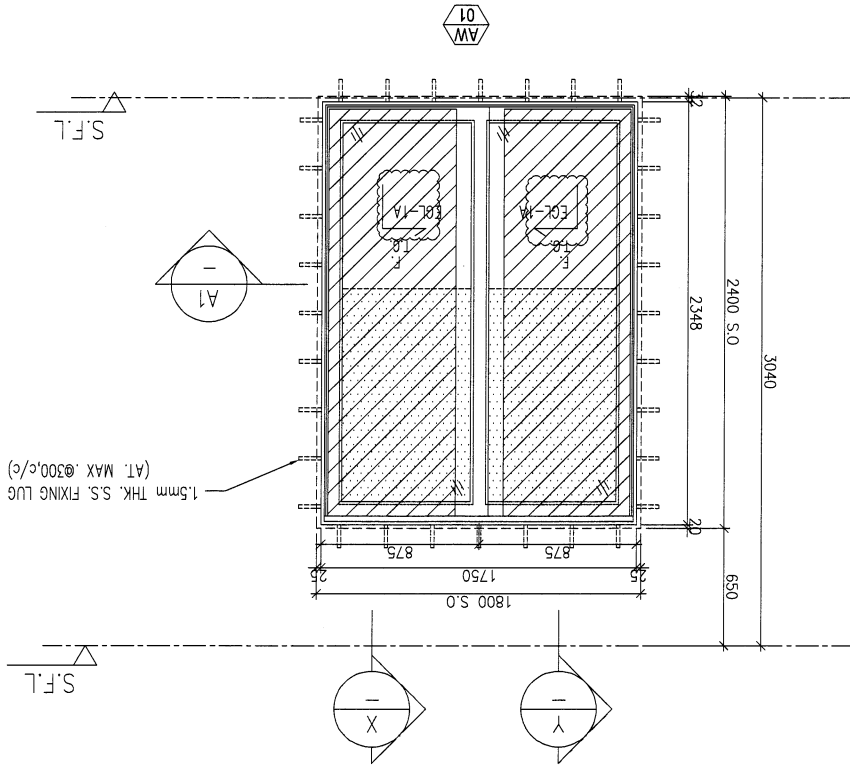
ELEVATION

5/F-42/F(13/F,14/F,24/F,34/F OMITTED) UNIT A6
70mm ALUM. SECTION
EGL-1,EGL-1A
34 Nos
FACADE(TYPE T1PF07 FOR 5/F~42/F)

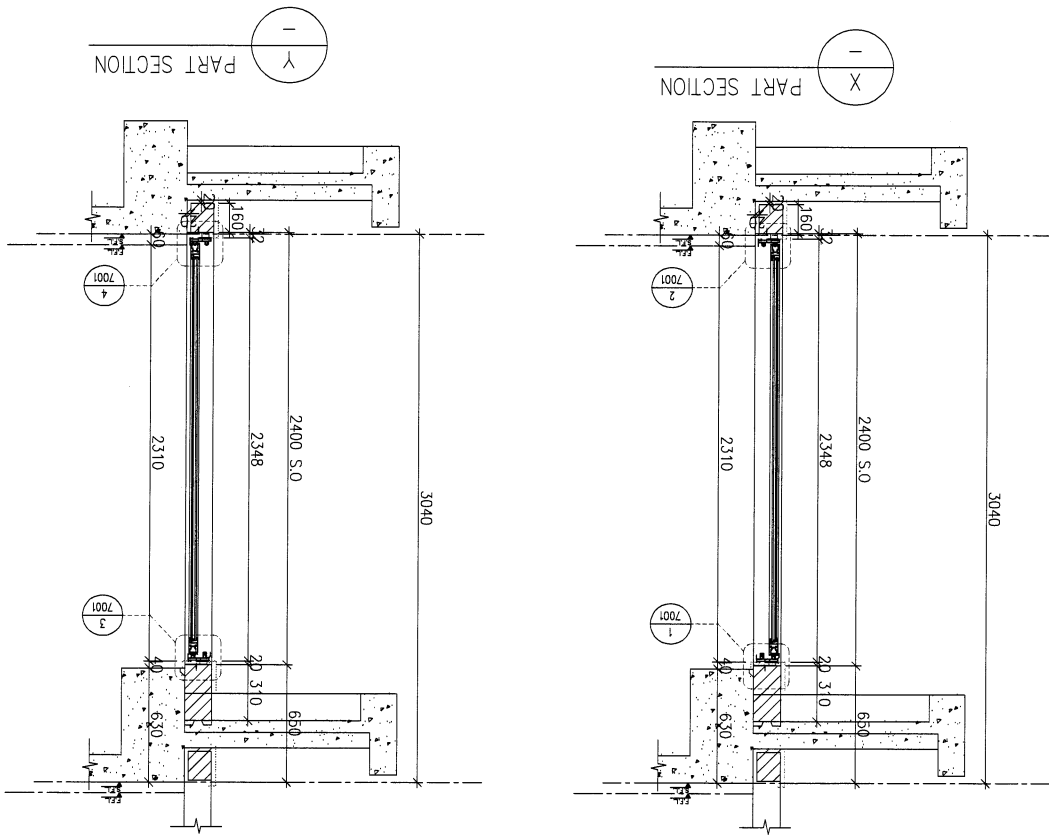


B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡耀建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
1. F.F.L.-- FINISHED FLOOR LEVEL	
2. S.F.L.-- STRUCTURAL FLOOR LEVEL	
3. --- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
DWG NO. : J856-SD-IW-5104	
REV. : C	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
MIDI ALUMINIUM FABRICATOR LTD. 美特鋁質有限公司	

		REQUIRE	
		OPENABLE AREA	GLAZING AREA
A8-LIV	1.488	1.669	1.591
B1-LIV	1.429	1.778	1.681
B8-LIV	1.641	1.792	



WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AM 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A8,B1,B8	70mm ALUM. SECTION	EGL-1A	35 Nos./35 Nos.	FACADE(TYPE T1PF08 FOR 3/F~42/F)
AM 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B8	70mm ALUM. SECTION	EGL-1A	35 Nos./35 Nos.	FACADE(TYPE T1PF08 FOR 3/F~42/F)



NO.	DATE	REVISION	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	WPN
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	WPN
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	WPN
D	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	WPN
E	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	WPN

NOTE:
1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE.
BEFORE FABRICATION.

LEGEND:

1.	F.F.L. - FINISHED FLOOR LEVEL
2.	S.F.L. - STRUCTURAL FLOOR LEVEL
3.	(R) - REVERSED DETAIL
4.	GLASS LEGEND

1.	10mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
2.	10mmHS+12mm THK. CLEAR TEMPERED GLASS
3.	10mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
4.	10mmHS+12mm AIR GAP+8mmTP THK. I.G.U.

DETAIL MARK NO. _____ REFER SHEET NO. _____

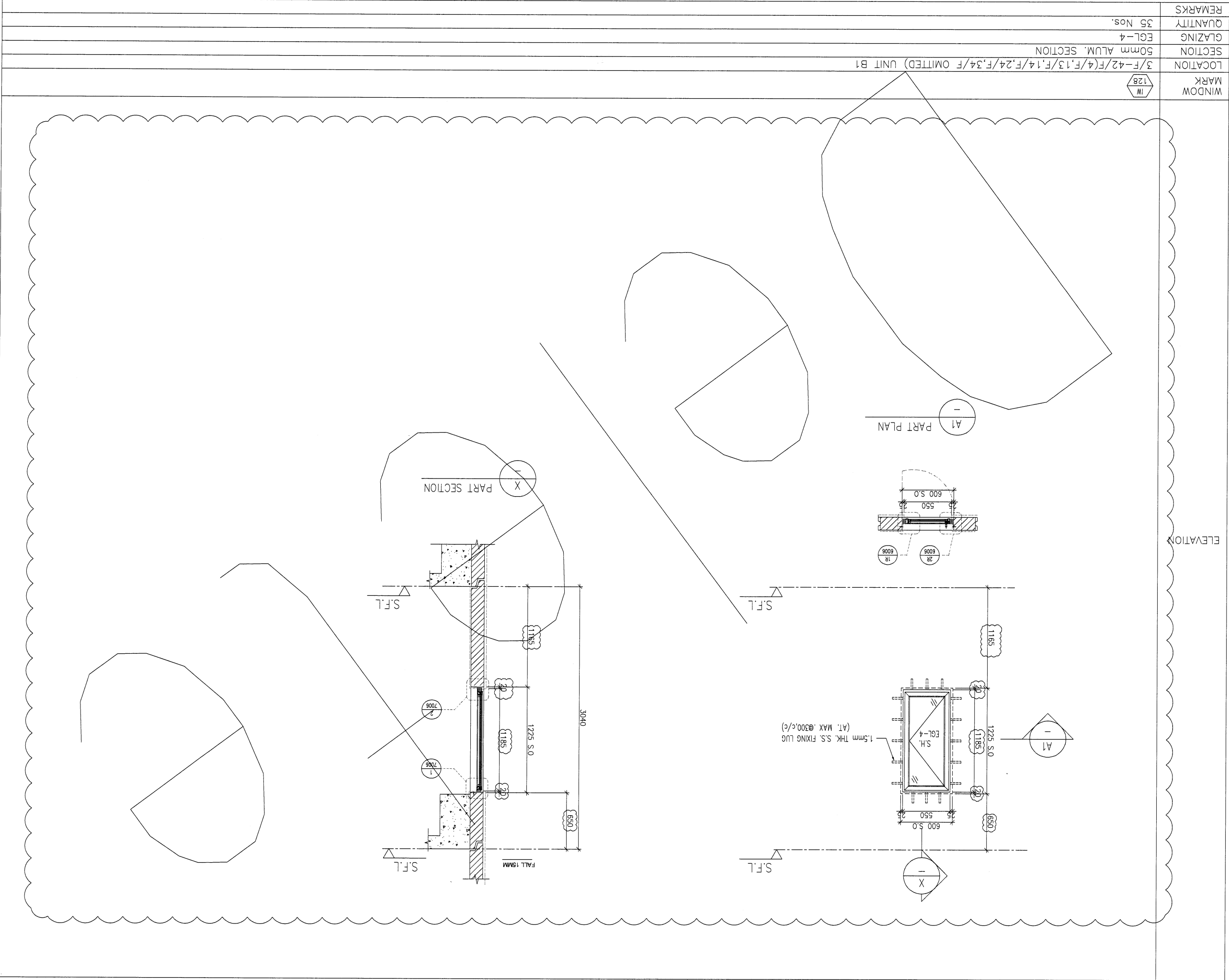
100X

B2/B1-FIXING DETAIL (DWG. NO. F002)

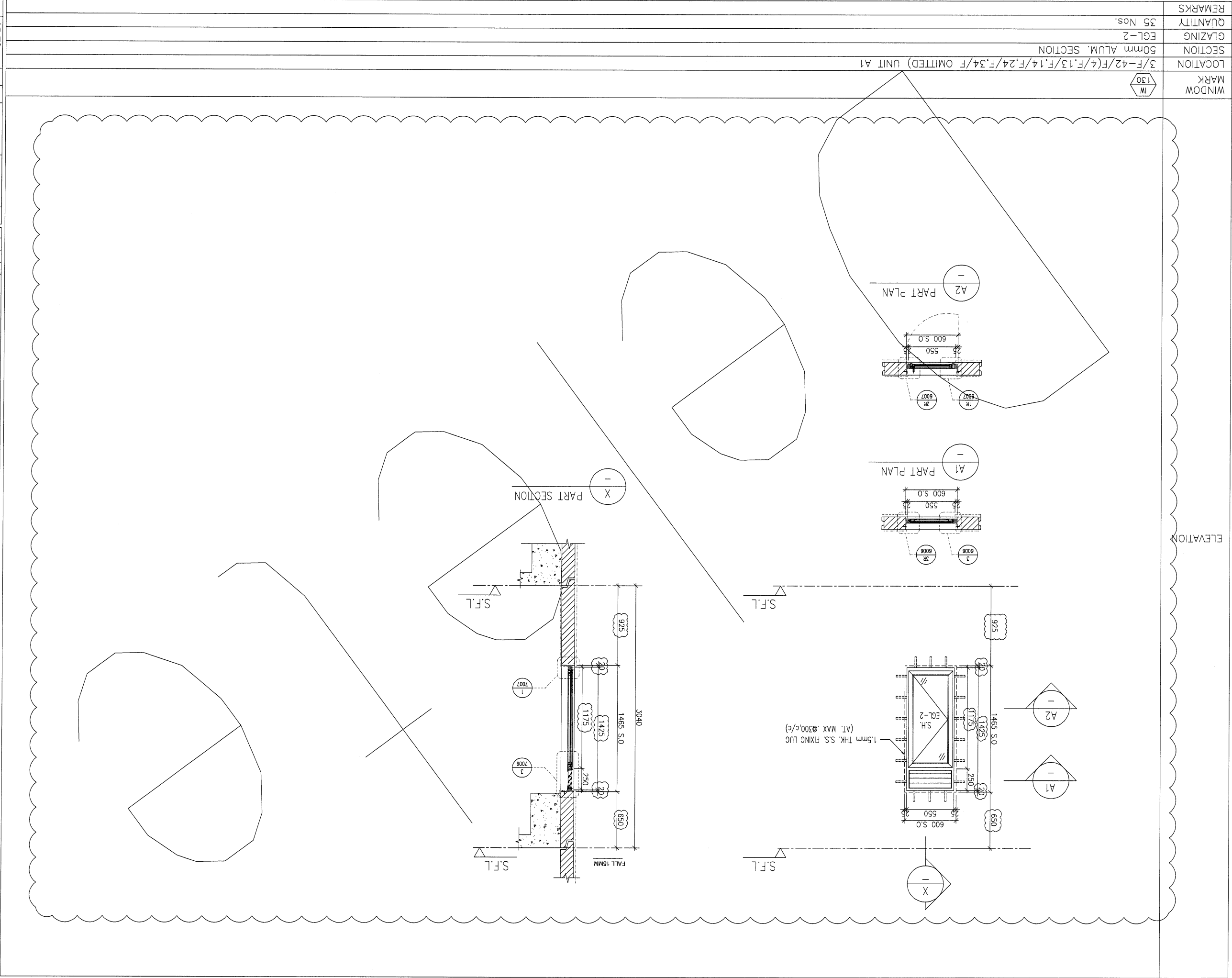
B1/B1-FIXING DETAIL (DWG. NO. F001)

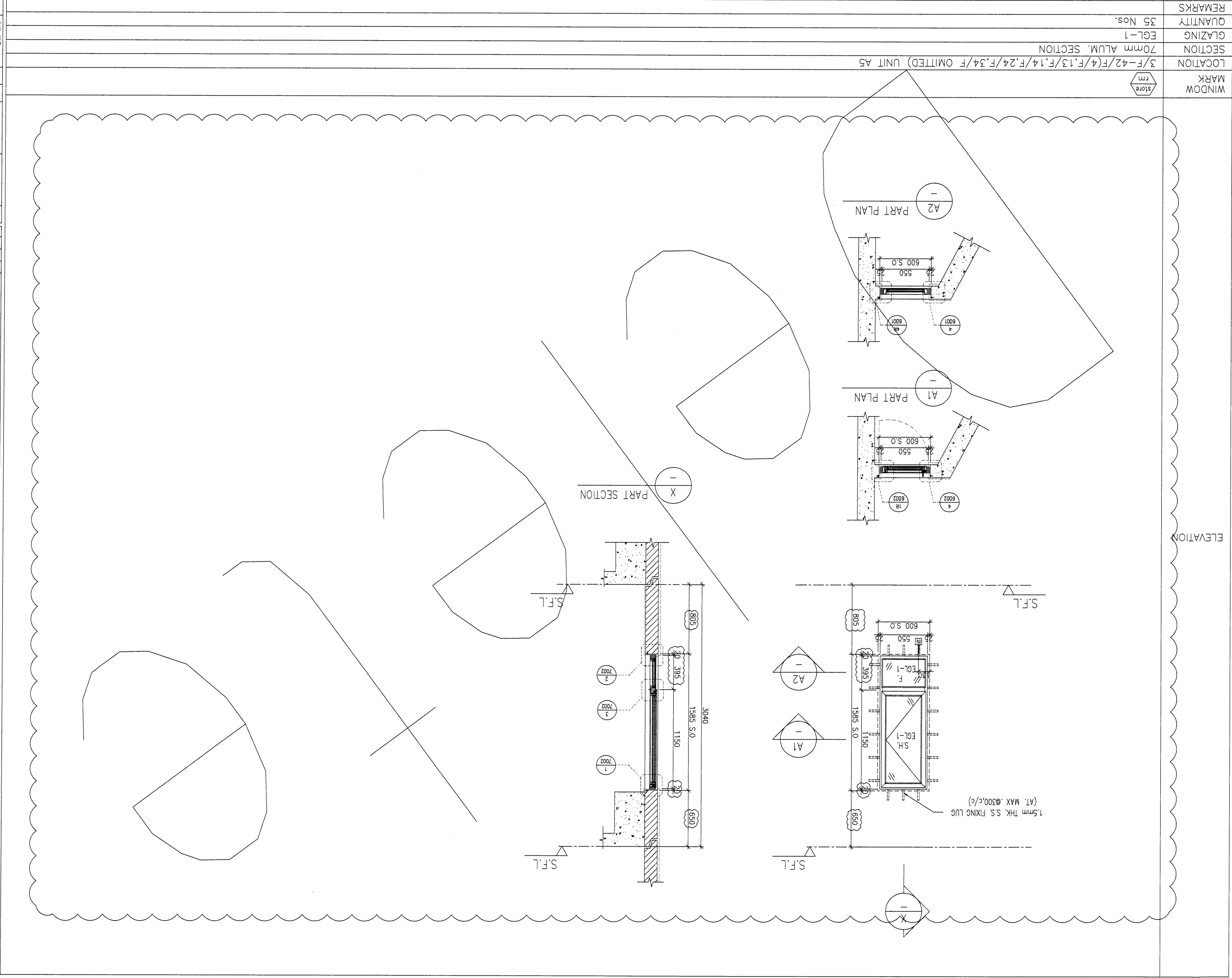
CLIENT :	 SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	iwk&partners a r c h i t e c t s
MAIN CONTRACTOR :	 Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FAÇADE CONSULTANT:	 ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist

B.D. REF :



B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO.	
X1001 REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	
DATE : 06-Aug-21	SCALE : 1:40
DRAWN BY : Ivan	CHECKED BY :
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27272666	
DWG NO. : J856-SD-W-5108	
REV. : C	





WINDOW MARK	store
LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A5
SECTION	70mm ALUM. SECTION
GLAZING	EGL-1
QUANTITY	35 Nos.
REMARKS	

DATE : 06-Aug-21	DRAWN BY : Ivan
SCALE : 1:40	CHECKED BY :
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW	

NO.	DATE	REVISION	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	ivan
B	24/11/2021	REVISION SUBJECT TO ARCH.COMMENT	ivan
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	ivan

NOTE:

- ALL DIMENSIONS ARE IN mm.
- ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
- ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

- DETAIL MARK NO. (X1)
- REFER SHEET NO. (X001)
- 1. F.F.L.--FINISHED FLOOR LEVEL
- 2. S.F.L.--STRUCTURAL FLOOR LEVEL
- 3. (X) --- REVERSED DETAIL
- 4. GLASS LEGEND
- EGL-1---8mmHS+12mm AIR GAP+10mmTP THK, I.G.U.
- EGL-2---10mm THK, CLEAR TEMPERED GLASS
- EGL-4---10mm THK, TEMPERED ACID ETCHED GLASS
- EGL-1A---8mmHS+12mm AIR GAP+6mmTP THK, I.G.U.
- BT1/BB1---FIXING DETAIL (DWG. NO. FD01)
- BB2---FIXING DETAIL (DWG. NO. FD02)

CLIENT :

SUN HUNG KAI REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lw&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.
怡輝建築有限公司

STRUCTURAL ENGINEER :

ARUP

FAÇADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Façade Specialist

LEGEND:

1. ALL DIMENSIONS ARE IN mm.

2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.

3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

DETAIL MARK NO. (X1)

REFER SHEET NO. (X001)

1. F.F.L.--FINISHED FLOOR LEVEL

2. S.F.L.--STRUCTURAL FLOOR LEVEL

3. (X) --- REVERSED DETAIL

4. GLASS LEGEND

EGL-1---8mmHS+12mm AIR GAP+10mmTP THK, I.G.U.

EGL-2---10mm THK, CLEAR TEMPERED GLASS

EGL-4---10mm THK, TEMPERED ACID ETCHED GLASS

EGL-1A---8mmHS+12mm AIR GAP+6mmTP THK, I.G.U.

BT1/BB1---FIXING DETAIL (DWG. NO. FD01)

BB2---FIXING DETAIL (DWG. NO. FD02)

DWG NO. : J856-SD-IW-5110

REV. : C

DATE : 06-Aug-21

SCALE : 1:40

DRAWN BY : Ivan

CHECKED BY :

PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.

TITLE : WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW

JOB NO. : J-856

PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.

TITLE : WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW

DATE : 06-Aug-21

SCALE : 1:40

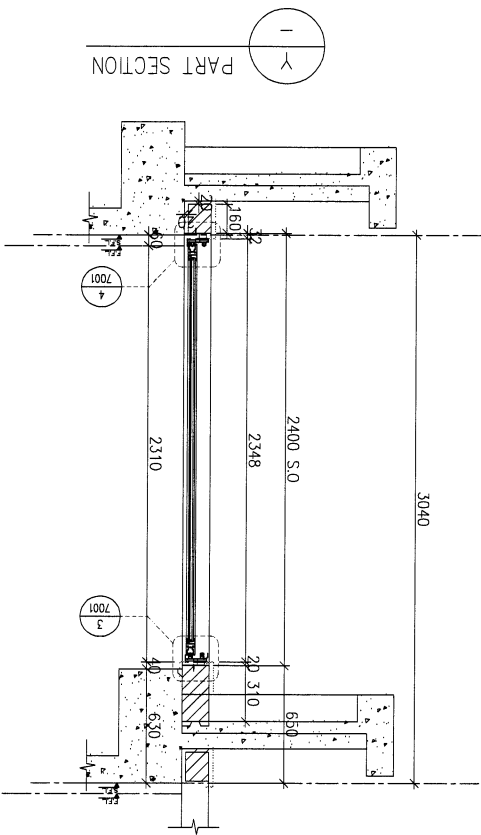
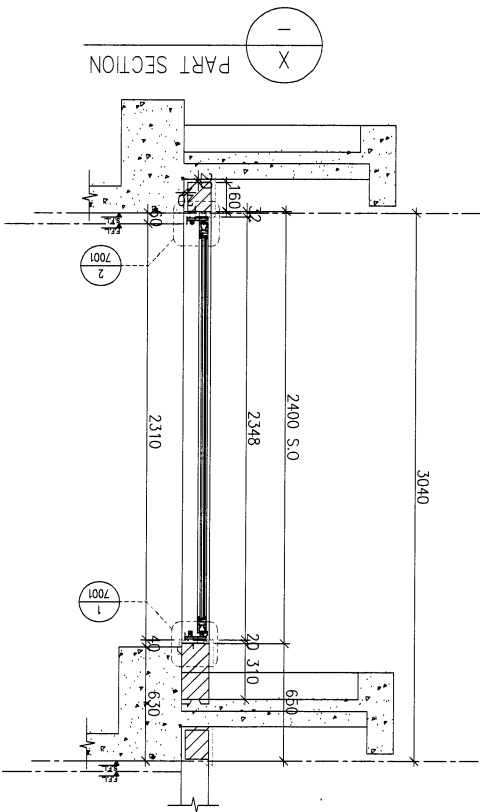
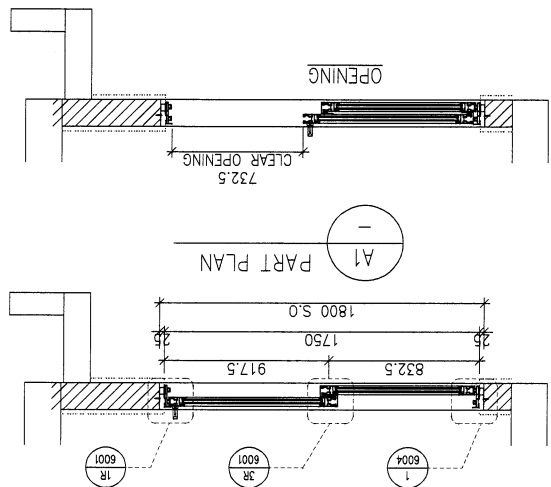
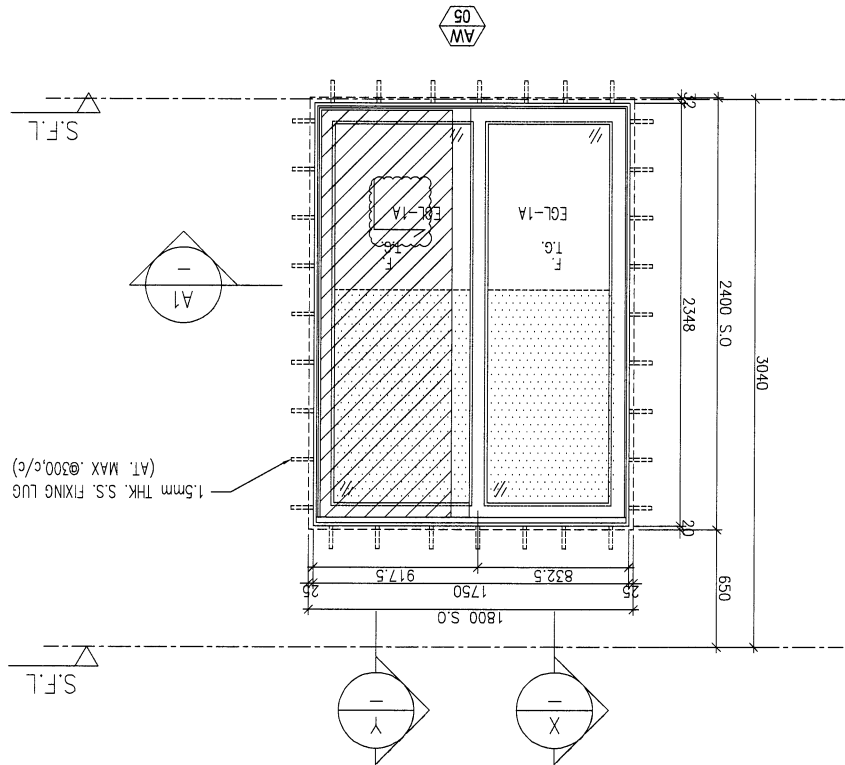
DRAWN BY : Ivan

CHECKED BY :

DWG NO. : J856-SD-IW-5110

REV. : C

LOCATION	OPENABLE AREA	GLAZING AREA	1.239	1.657	1.681
	REQUIRE				PROVIDED
A6-LIV					



NO.	DATE	REVISIONS	BY
A	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	(wpn)
B	13/07/2022	REVISION SUBJECT TO ARCH.COMMENT	(wpn)
C	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	(wpn)
D	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	(wpn)

NOTE :

1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND :

1.	F.F.L. — FINISHED FLOOR LEVEL
2.	S.F.L. — STRUCTURAL FLOOR LEVEL
3.	(↺) — REVERSED DETAIL
4.	GLASS LEAD

EG-1—6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.
EG-2—10mm THK. CLEAR TEMPERED GLASS
EG-4—4—10mm THK. CLEAR TEMPERED GLASS
EG-5—6mmHS+12mm AIR GAP+10mmTP THK. I.G.U.

BR-1/BB-1-FIXING DETAIL (DWG. NO. F011)
BR-2-FIXING DETAIL (DWG. NO. F002)

CLIENT :	 SUN HUNG KAI REAL ESTATE AGENCY LTD.
	42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	Iw&k&partners a r c h i t e c t s
MAIN CONTRACTOR :	 Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FAÇADE CONSULTANT:	 ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist

B.D. REF :

DATE: 02-Aug-21	SCALE: 1:40	CHECKED BY:	 MIDI 美特铝业有限公司 ALUMINIUM FABRICATOR LTD.	Units 6-B, Sunnyway Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27727666	DWG NO.: J856-SD-IW-5111	REV.: D
-----------------	-------------	-------------	--	---	--------------------------	---------

TITLE : WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW

JOB NO. :	J-856	PROJECT :	PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.
-----------	-------	-----------	---

REMARKS	FACADE(TYPE T1PF07 FOR 3/F-42/F)
---------	----------------------------------

GLAZING	EGL-1A
---------	--------

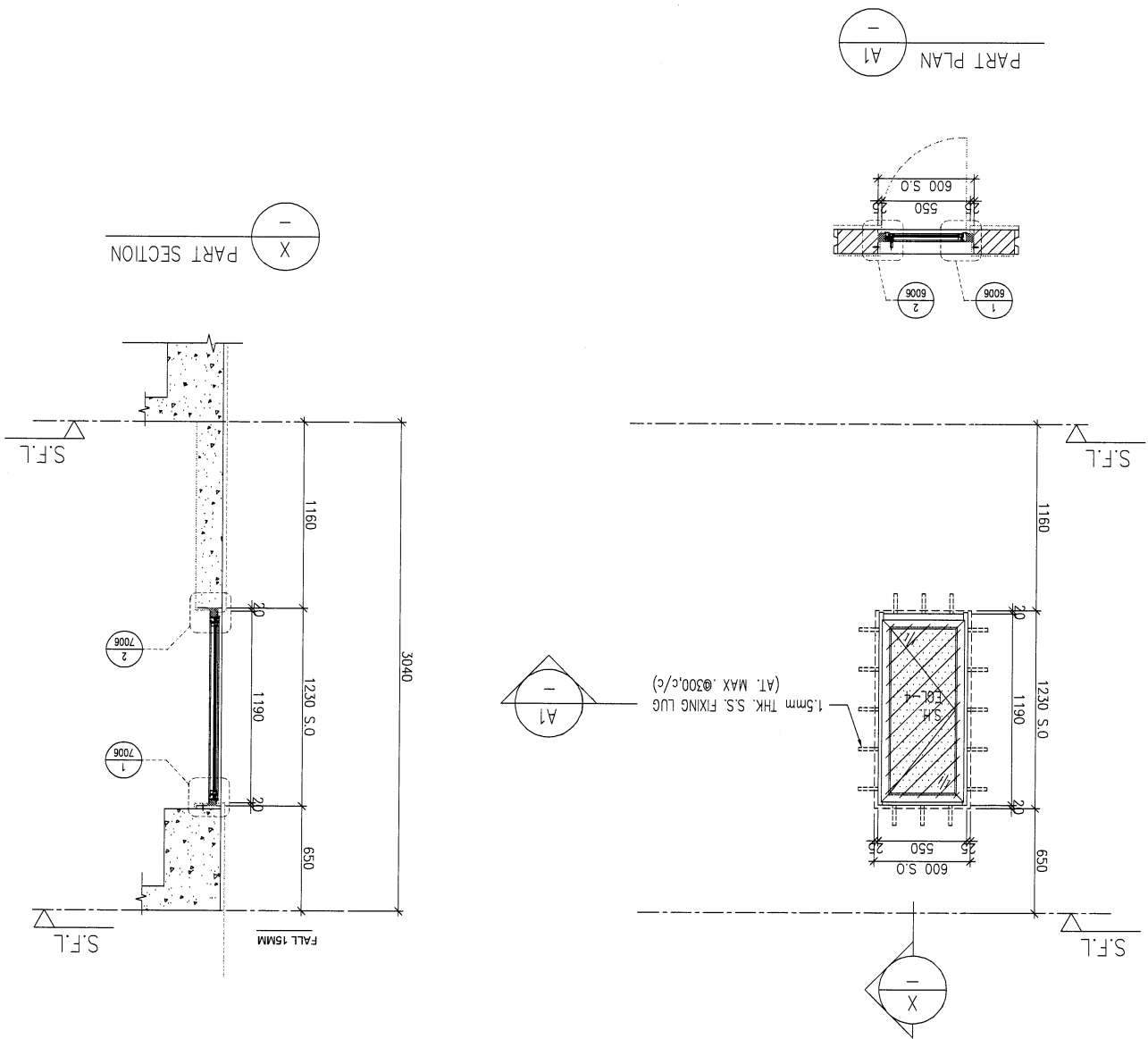
SECTION	70mm ALUM. SECTION
---------	--------------------

LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A6
----------	---

ELEVATION

LOCATION	OPENABLE AREA	GLAZING AREA	0.318	0.318	0.318
			0.278	0.444	0.318
			0.318	0.497	0.408
A1-M.BATH					
A1-KIT					
B1-M.BATH					

WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AW 06	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A1 AT	50mm ALUM. SECTION	EGL-4	35 Nos	50mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HMS-N14)
AM 06R		3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A1,B1	EGL-4	35 Nos./35 Nos.	



JOB NO. :	J-856
PROJECT :	PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TUN WING STOP, TSMWL NO.23, AREA 33, TIN SHUI WAI, N.T.
TITLE :	WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW
DATE :	22-JUN-22
DRAWN BY :	Ivan
CHECKED BY :	
 美特铝业有限公司 MIDITECH ALUMINIUM FABRICATOR LTD. Units 6-8, Sunny Industrial Centre, 1/F 610 Che Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
DWG NO. :	J856-SD-IW-5113
REV. :	-

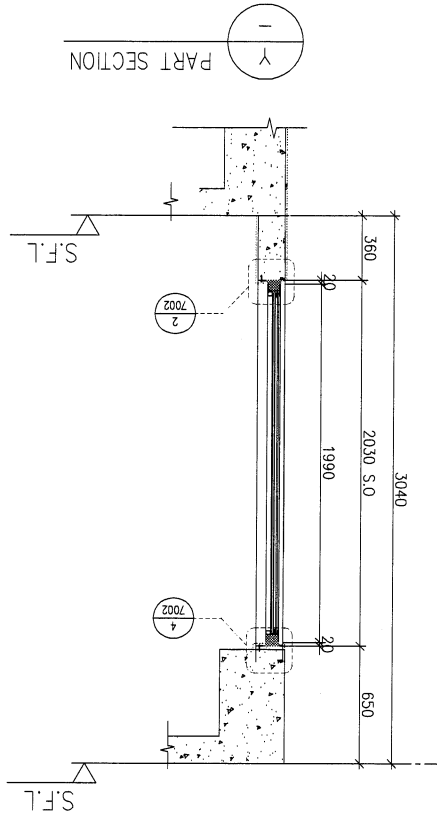
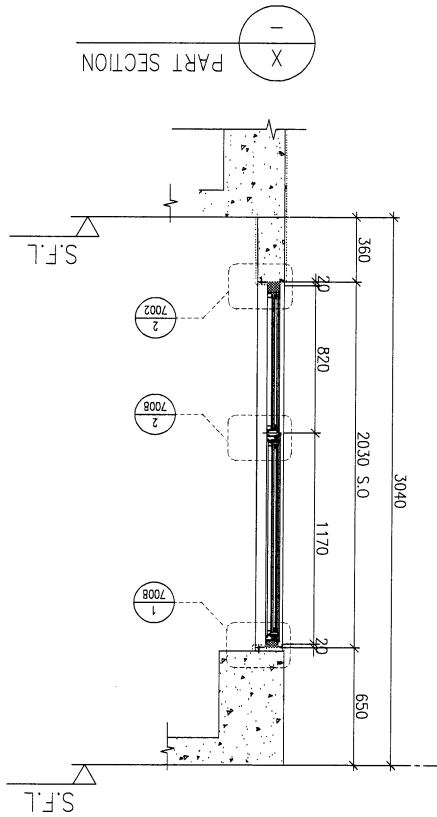
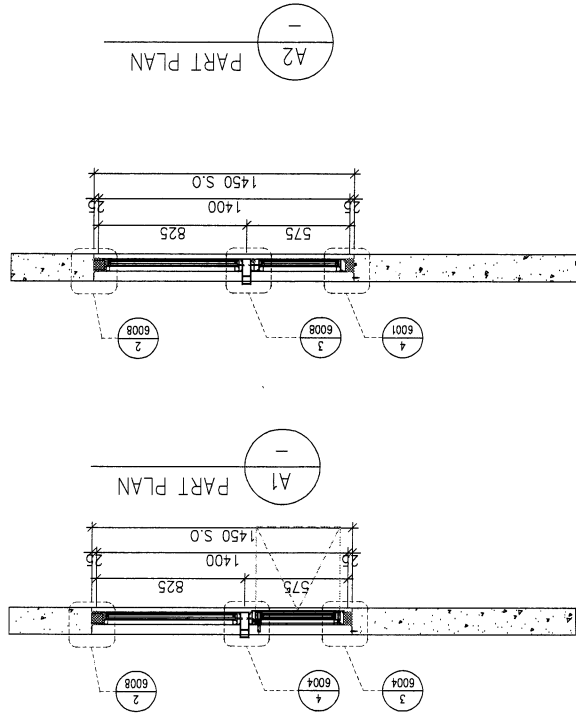
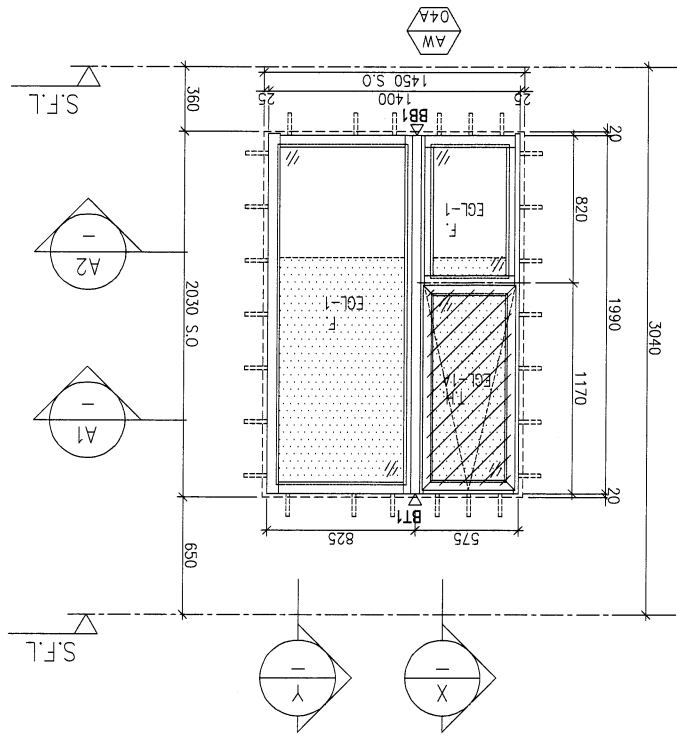
NO.	DATE	REVISED
1.	ALL DIMENSIONS ARE IN mm.	
2.	ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3.	ALL DIMENSIONS TO BE VERIFIED ON SITE	
LEGEND:		
(100)	DETAIL MARK NO.	
1.	F.F.L. --- FINISHED FLOOR LEVEL	
2.	S.F.L. --- STRUCTURAL FLOOR LEVEL	
3.	(R) --- REVERSED DETAIL	
4.	GLASS LEADNO	
EC1-1	--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EC1-2	--10mm THK. CLEAR TEMPERED GLASS	
EC1-4	--10mm THK. TEMPERED ACID ETCHED GLASS	
EC1-1A	--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BBT1	FIXING DETAIL (DWG. NO. PD01)	
BB2	FIXING DETAIL (DWG. NO. PD02)	

CLIENT :	 SK SUN HUNG KAI REAL ESTATE AGENCY LTD.
	42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	architects lwk&partners
MAIN CONTRACTOR :	 H&K 怡輝建築有限公司 Yee Fai Building Contractors Ltd.
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

B.D. REF :

	REQUIRE	OPENABLE AREA	GLAZING AREA	0.472	0.504	1.321
	PROVIDED	OPENABLE AREA	GLAZING AREA	0.295	0.504	1.321
						B5-MBR

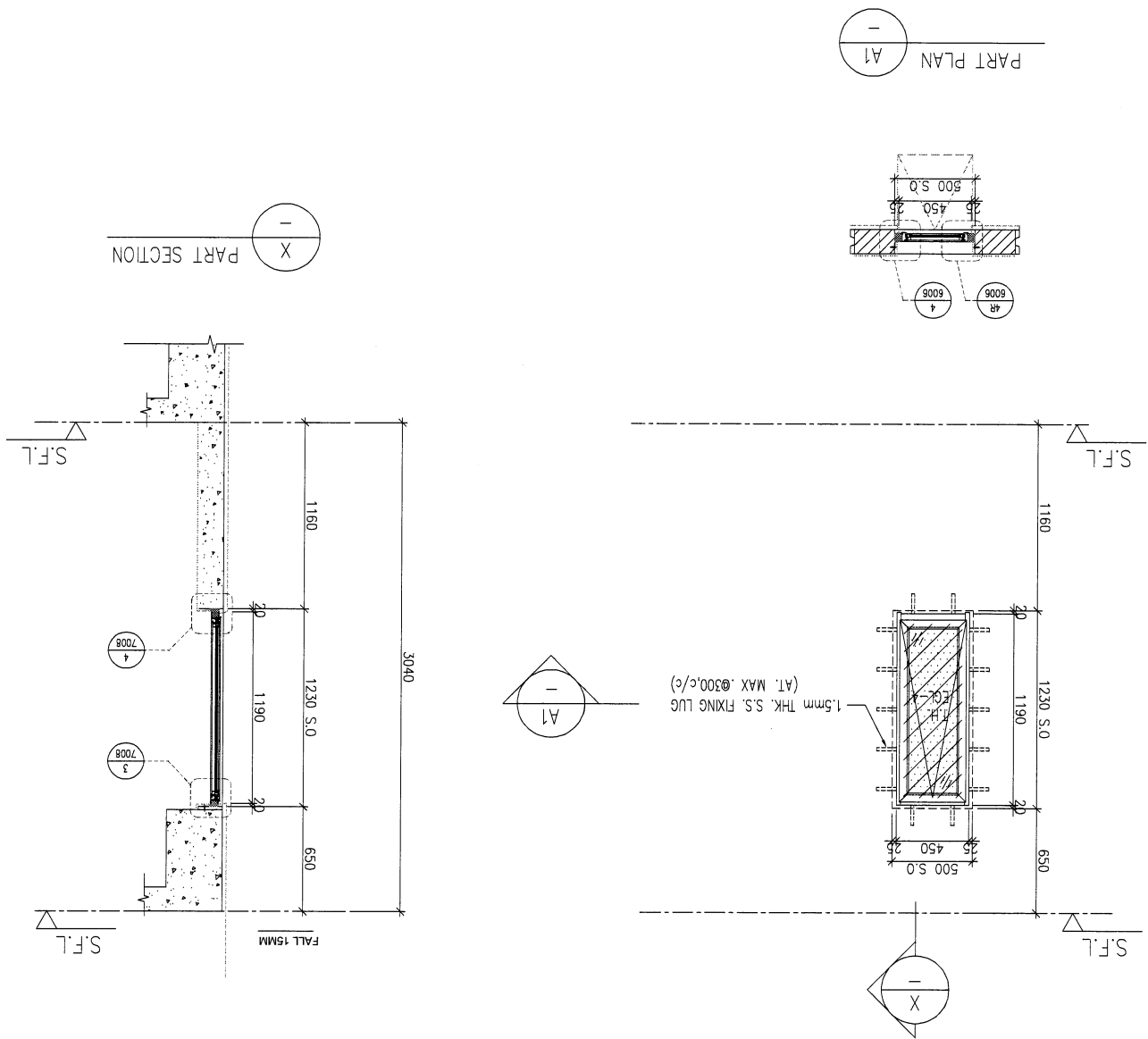
WINDOW MARK		LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B5	SECTION	70mm ALUM. SECTION	GLAZING	EGL-1 / EGL-1A	QUANTITY	35 Nos	REMARKS	70mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HHMT-14)
-------------	---	----------	---	---------	--------------------	---------	----------------	----------	--------	---------	--



DWG NO. : J856-SD-IW-5114		REV. : -
Plot: 23489211-4 Fox: (852) 27727666 Units 6-8, Sunray Industrial Centre, 1/F 810 Cho Kwo Ling Road, Kowloon		
 MIDI ALUMINIUM FABRICATOR LTD. 美特铝业有限公司		
DRAWN BY : Ivan		CHECKED BY :
DATE : 22-Jun-22		SCALE : 1:40
WINDOW SCHEDULE FOR TOWER 1 IN-SITU WINDOW		
TITLE :		
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.		
JOB NO. : J-856		
NO.	DATE	REVISED
BY		
BB2-FIXING DETAIL (DWG. NO. FD02) BT1/BB1-FIXING DETAIL (DWG. NO. FD01) EC6-1A-6mmHS+12mm AIR GAP+8mmTP THK. I.G.U. EC6-4-4-10mm THK. CLAR TEMPERED GLASS EC6-2-2-10mm THK. CLAR TEMPERED GLASS EC6-1-1-6mmHS+12mm AIR GAP+10mmTP THK. I.G.U. 4. GLASS LEGEND 3.  -- REVERSED DETAIL 2. S.F.L. -- STRUCTURAL FLOOR LEVEL 1. F.F.L. -- FINISHED FLOOR LEVEL  DETAIL MARK NO. 1001 -- REFER SHEET NO. LEGEND : BEFORE FABRICATION. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 1. ALL DIMENSIONS ARE IN mm. NOTE :		
 α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist		
FACADE CONSULTANT:		
 ARUP		
STRUCTURAL ENGINEER :		
 Yee Fai Building Contractors Ltd. 怡輝建築有限公司		
MAIN CONTRACTOR :		
 IWK&Partners a r c h i t e c t s		
ARCHITECT :		
 SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, MANCHEL, HONGKONG		
CLIENT :		
B.D. REF. :		

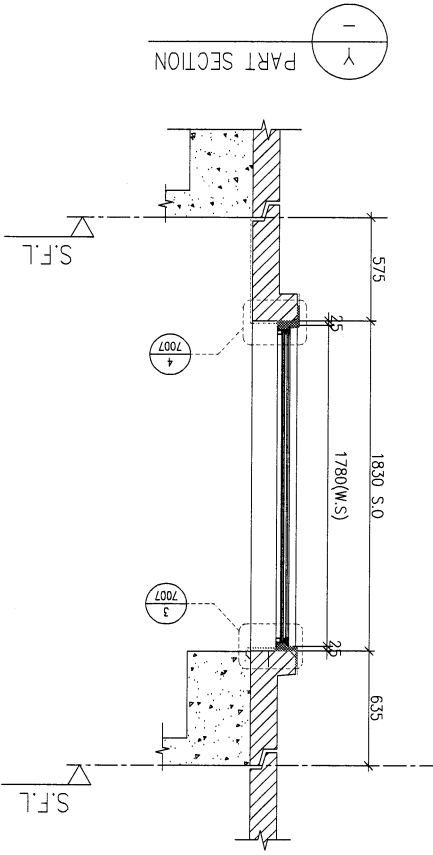
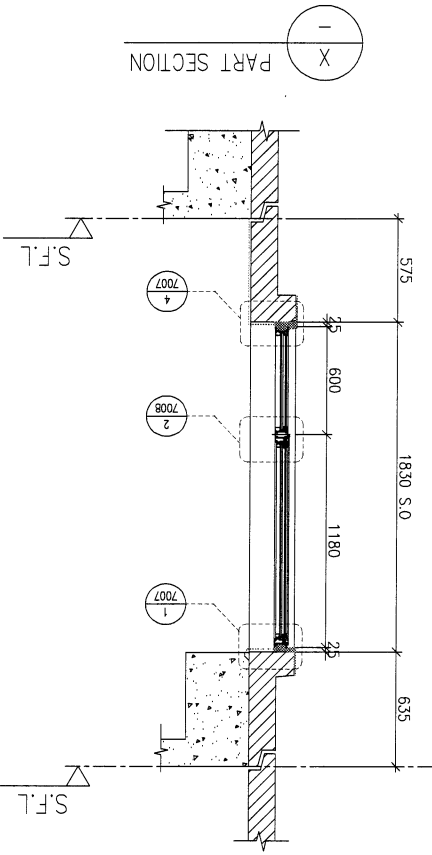
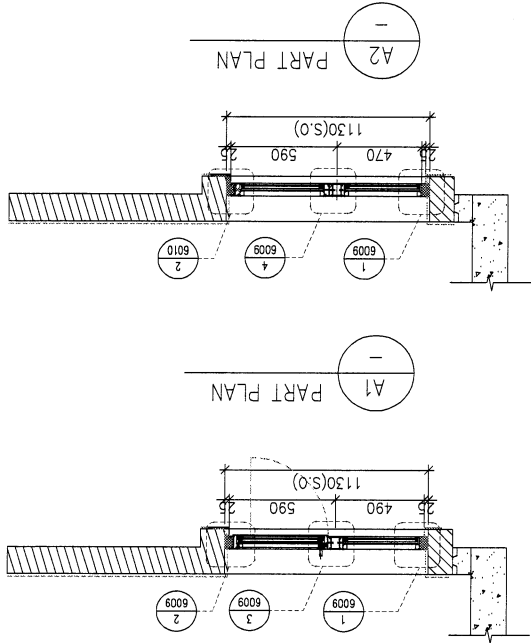
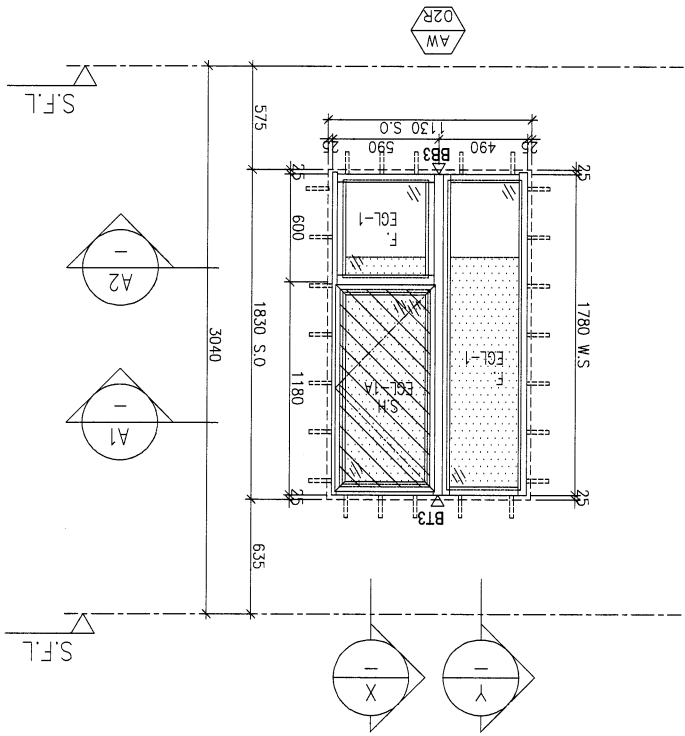
		REQUIRED	PROVIDED
LOCATION	OPENABLE AREA	GLAZING AREA	OPENABLE AREA
A5-ST RM	N/A	N/A	0.389
			0.306

WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A5	50mm ALUM. SECTION	EGL-4	35 Nos	50mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HHMT-14)



CLIENT :		SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, MANHAT, HONGKONG		ARCHITECT :		Iw&partners a r c h i t e c t s		MAIN CONTRACTOR :		Yee Fai Building Contractors Ltd. 怡輝建築有限公司		STRUCTURAL ENGINEER :		ARUP		FACADE CONSULTANT:		α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
B.D. REF :																			
CLIENT :		SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, MANHAT, HONGKONG		ARCHITECT :		Iw&partners a r c h i t e c t s		MAIN CONTRACTOR :		Yee Fai Building Contractors Ltd. 怡輝建築有限公司		STRUCTURAL ENGINEER :		ARUP		FACADE CONSULTANT:		α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	

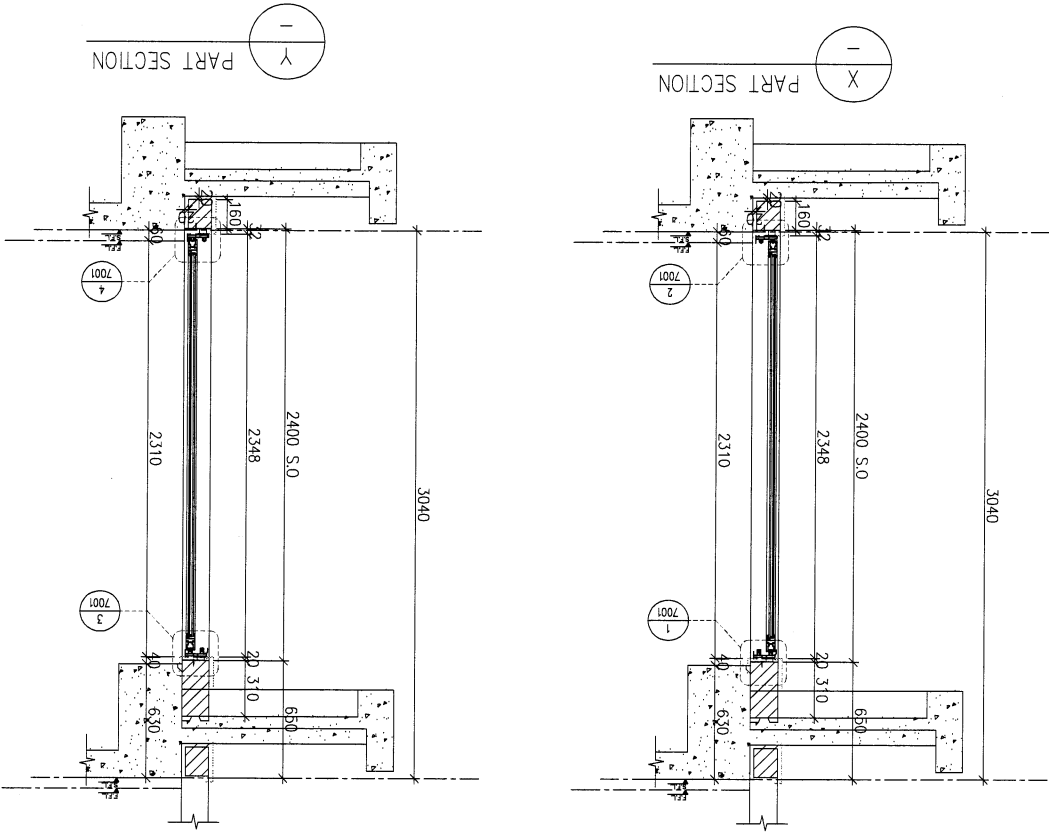
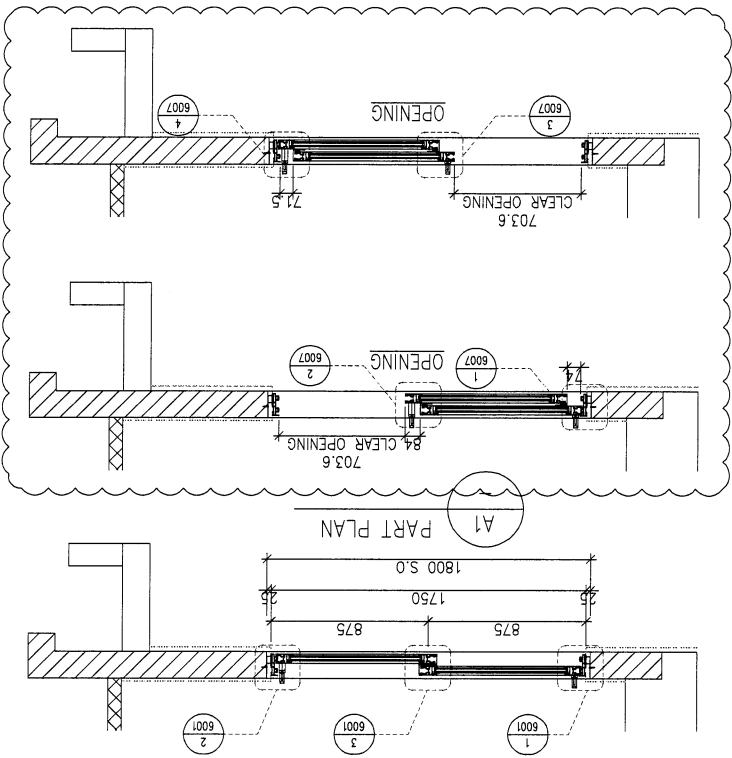
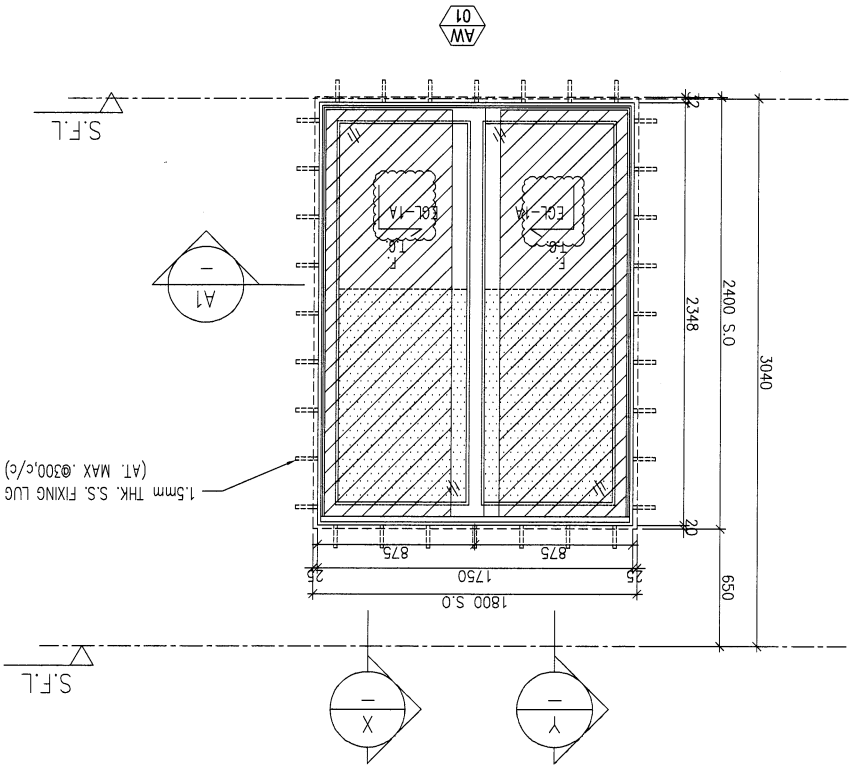
	REQUIRE	OPENABLE AREA	GLAZING AREA	0.420	0.548	0.985
	PROVIDED	OPENABLE AREA	GLAZING AREA	0.263	0.548	0.985
A2-BR1		OPENABLE AREA	GLAZING AREA	0.263	0.548	0.985



WINDOW MARK	PREAST WINDOW CHANGE TO IN-SITU WINDOW	10/F,16/F,20/F,25/F,29/F,33/F,38/F,42/F UNIT B3	10/F,16/F,20/F,25/F,29/F,33/F,38/F,42/F UNIT B2	SECTION 70mm ALUM. SECTION	GLAZING EGL-1,EGL-1A	QUANTITY 8 Nos	REMARKS FACADE(TYPE 11PF-08 FOR 3/F~42/F) ,4 BAR HINGE-LIP HING (HHMS-N16)

B.D. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, MANULIA, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
YK 怡輝建築有限公司 Yee Fai Building Contractors Ltd.	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
① DETAIL MARK NO.	
② REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEGEND	
ECL-1--6mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
ECL-2--10mm THK. CLEAR TEMPERED GLASS	
ECL-4--10mm THK. CLEAR TEMPERED GLASS	
ECL-1A--6mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 3 ALUM. WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Iyona	
CHECKED BY :	
UNITS 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, KwaiLam Tel:23492911-4 Fax:(852)27772666	
DWG NO. : J856-SD-IW-5116	
REV. : -	

LOCATION	A1-LIV	1.447	1.682	1.591	1.681
	OPENABLE AREA	GLAZING AREA	OPENABLE AREA	GLAZING AREA	PROVIDED



ELEVATION

WINDOW MARK

LOCATION
SECTION
GLAZING
QUANTITY
REMARKS

3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A1
70mm ALUM. SECTION
EGL-1A
35 Nos.

FACADE(TYPE 12PF01 FOR 3/F~42/F)

NO.	DATE	REVISION	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	lvon
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	lvon
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	lvon
D	26/07/2022	REVISION SUBJECT TO ARCH.COMMENT	lvon
E	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	lvon

NOTE:

- ALL DIMENSIONS ARE IN mm.
- ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
- ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

- DETAIL MARK NO. (X1)
- REFER SHEET NO. (X001)
- 1. F.F.L.--FINISHED FLOOR LEVEL
- 2. S.F.L.--STRUCTURAL FLOOR LEVEL
- 3. (R) -- REVERSED DETAIL
- 4. GLASS LEGEND
- EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
- EGL-2--10mm THK. CLEAR TEMPERED GLASS
- EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
- EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
- BT1/BB1--FIXING DETAIL (DWG. NO. FD01)
- BB2--FIXING DETAIL (DWG. NO. FD02)

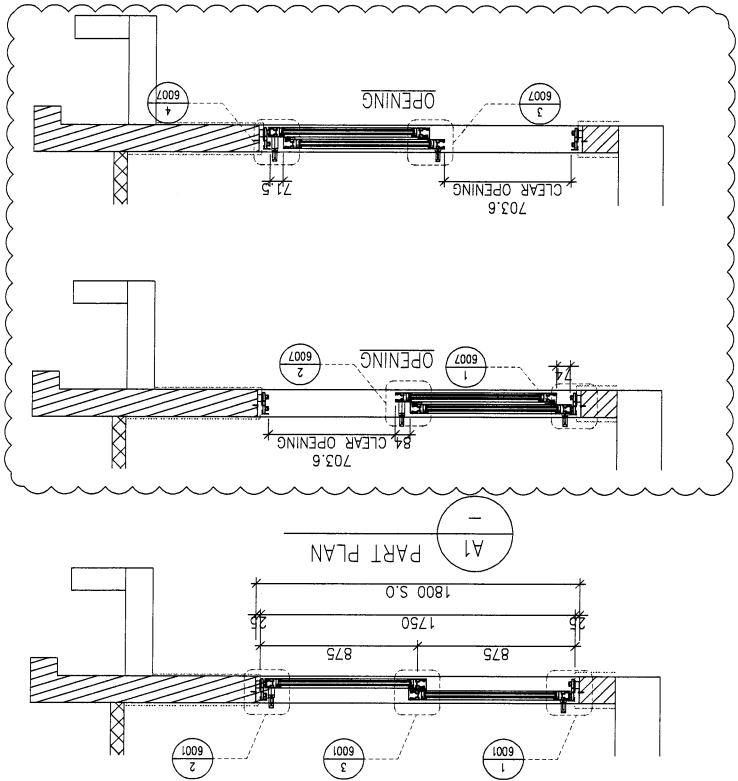
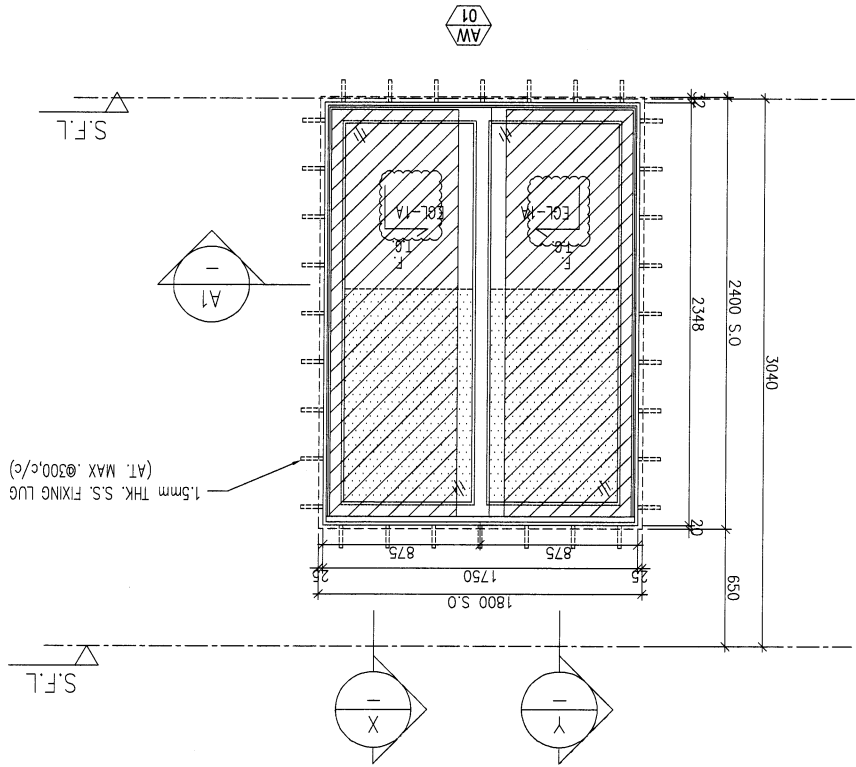
JOB NO. : J-856	PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	TITLE : WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW
DATE : 02-Aug-21	SCALE : 1:40	CHECKED BY :
DRAWN BY : lvon	REV. : E	DWG NO. : J856-SD-IW-5201

Units 6-8, Sunray Industrial Centre, 1/F,
610 Cho Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27272666

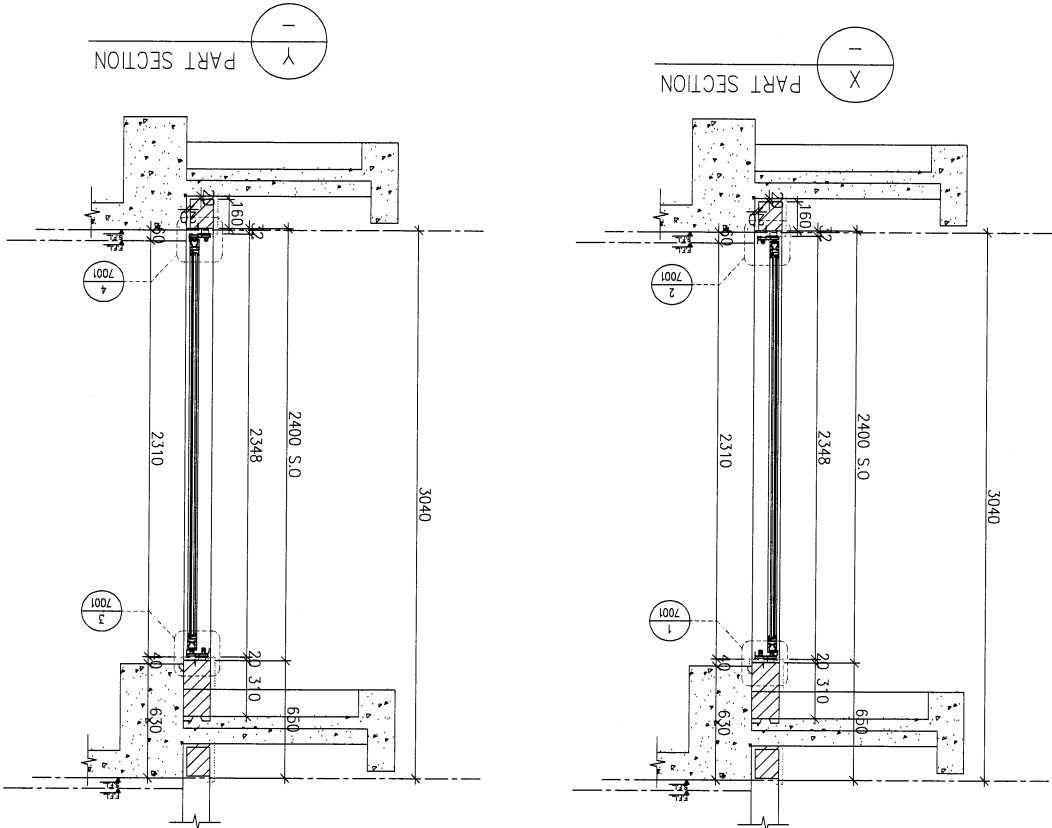
MIDI
ALUMINIUM FABRICATOR LTD.
美特铝业有限公司

B.D. REF :	CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	ARCHITECT : lw&partners a r c h i t e c t s	MAIN CONTRACTOR : Yee Fai Building Contractors Ltd. 怡輝建築有限公司	STRUCTURAL ENGINEER : ARUP	FACADE CONSULTANT : ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist
------------	---	--	--	--------------------------------------	---

LOCATION	OPENABLE AREA	1.272	GLAZING AREA	1.527	OPENABLE AREA	1.591	GLAZING AREA	1.681
REQUIRE								
B3-LIV		1.048		1.486				
A5-LIV		1.198		1.409				

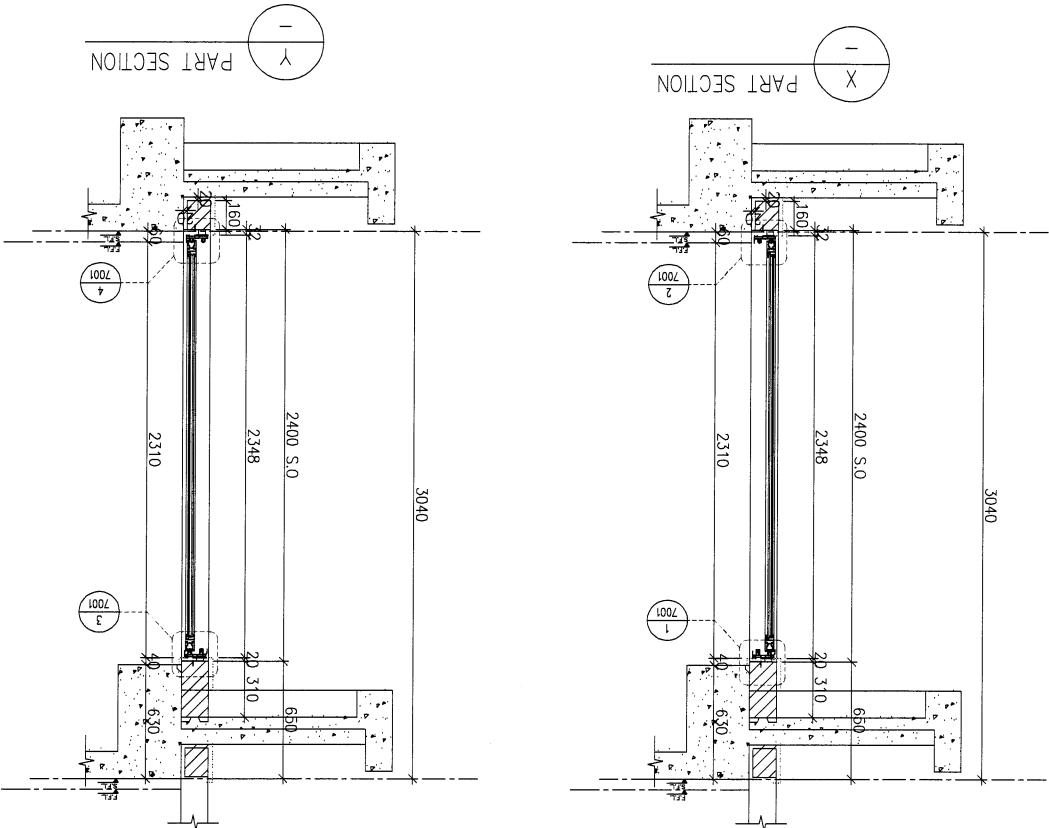
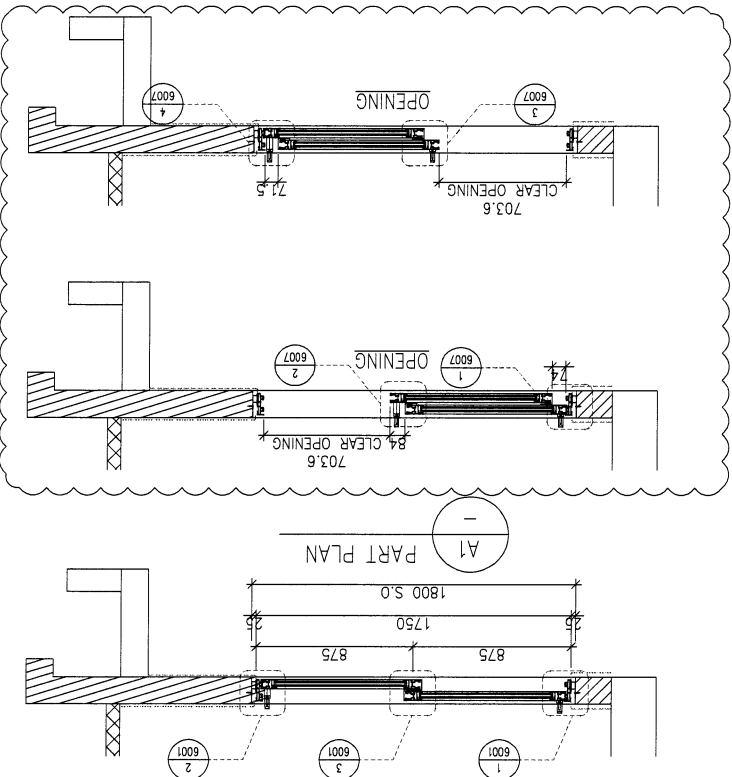
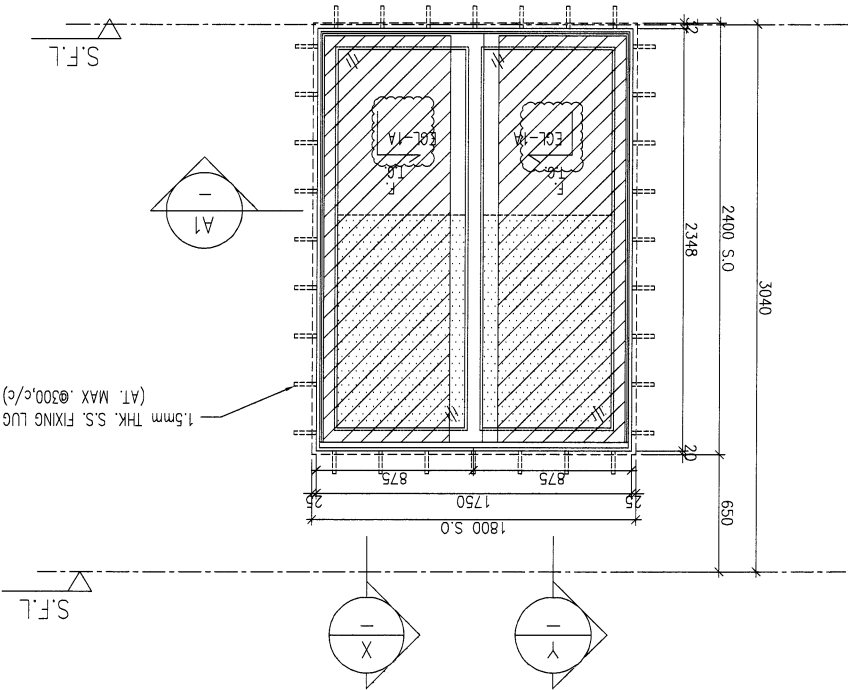


WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A2 , A5 , B3	70mm ALUM. SECTION	EGL-1A	35 Nos./35 Nos.	FACADE(TYPE 12PF02 FOR 3/F~42/F)
AM				35 Nos.	FACADE(TYPE 12PF02R FOR 3/F~42/F)



B.O. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WINGHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FAÇADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
DETAIL MARK NO. 1001 --- REFER SHEET NO.	
1. F.F.L. --- FINISHED FLOOR LEVEL	
3. S.F.L. --- STRUCTURAL FLOOR LEVEL	
3. (2) --- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1 --- 6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
EGL-2 --- 10mm THK. CLEAR TEMPERED GLASS	
EGL-4 --- 10mm THK. TEMPERED ACID TROCHED GLASS	
EGL-1A --- 6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
BRT/BRT1 --- FIXING DETAIL (DWG. NO. FDO1)	
BRT2 --- FIXING DETAIL (DWG. NO. FDO2)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP.TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Iwgn	
CHECKED BY :	
 MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunney Industrial Centre, 1/F 610 Cho Ling Road, Kwailoon Tel:23489211-4 Fax:(852)2772666	
REV. : E	
DWG NO. : J856-SD-IW-5-202	

LOCATION	OPENABLE AREA	GLAZING AREA	OPENABLE AREA	GLAZING AREA
A3-LIV	1.202	1.416	1.591	1.681
A7-LIV	1.155	1.339		
B2-LIV	1.240	1.475		
B6-LIV	1.196	1.405		
B7-LIV	1.196	1.405		



WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AW 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B7, B2, A3, A7, B6	70mm ALUM. SECTION	EGL-1A	35 Nos./35 Nos./35 Nos./35 Nos.	FACADE(TYPE T2PF04 FOR 3/F~42/F)
AW 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B2,A3,A7,B6	70mm ALUM. SECTION	EGL-1A	35 Nos./35 Nos./35 Nos./35 Nos.	FACADE(TYPE T2PF04R FOR 3/F~42/F)

DWG NO. : J856-SD-IW-5203	REV. : E
Units 6-B, Sunny Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)2727666	
MIDI ALUMINIUM FABRICATOR LTD. 美特铝业有限公司	
DRAWN BY : Ivan	CHECKED BY :
DATE : 02-Aug-21	SCALE : 1:40

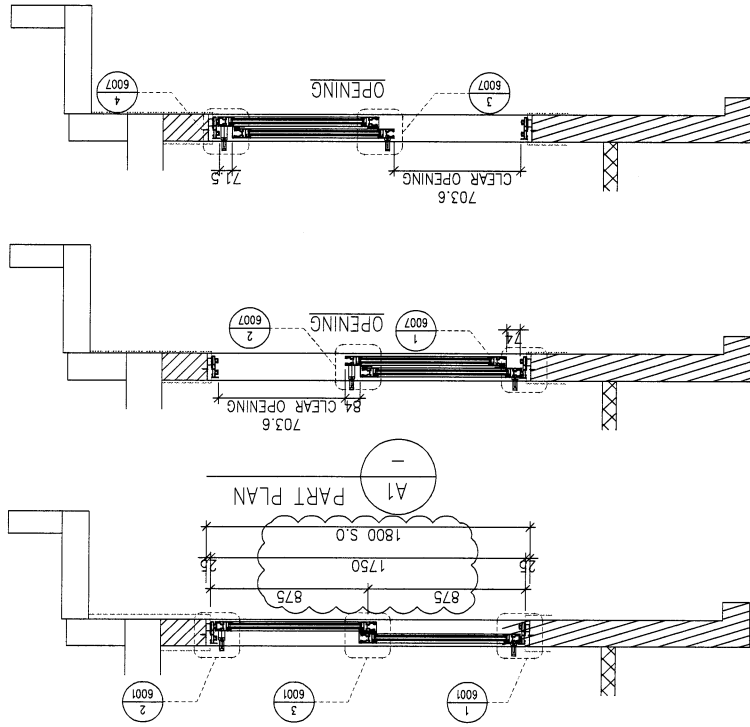
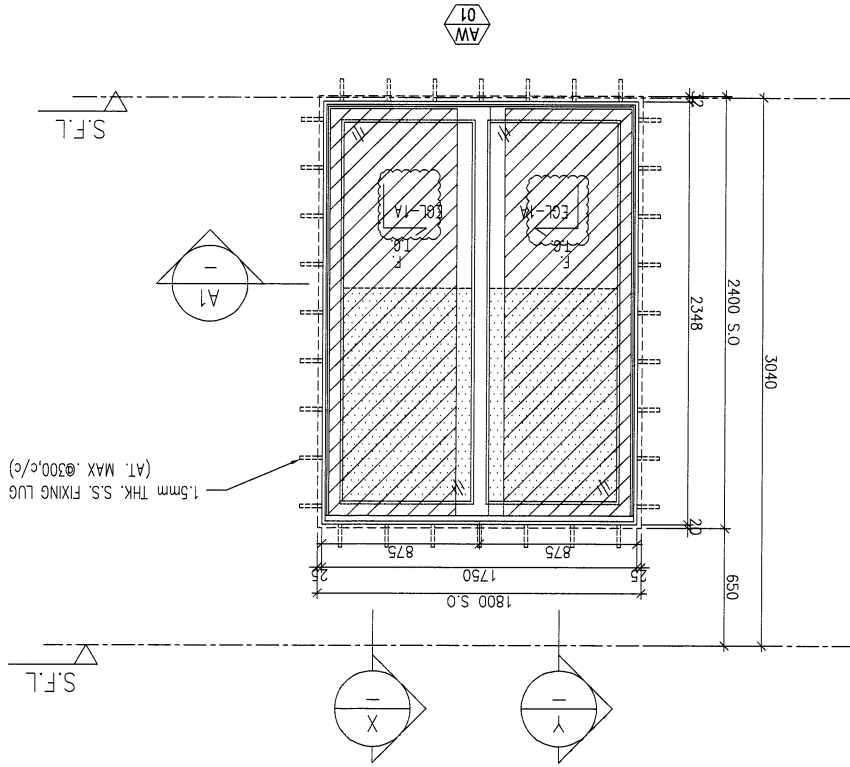
JOB NO. : J-856	PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.
TITLE : WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	

NO.	DATE	REVISION	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivan
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
D	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan
E	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivan

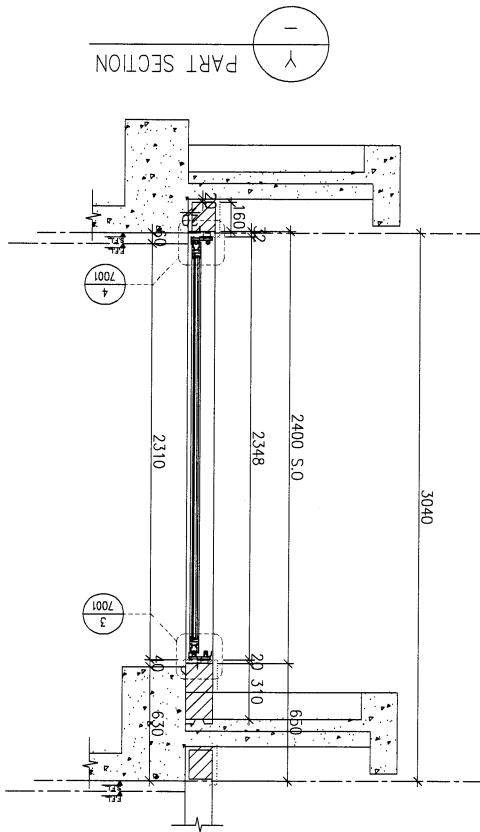
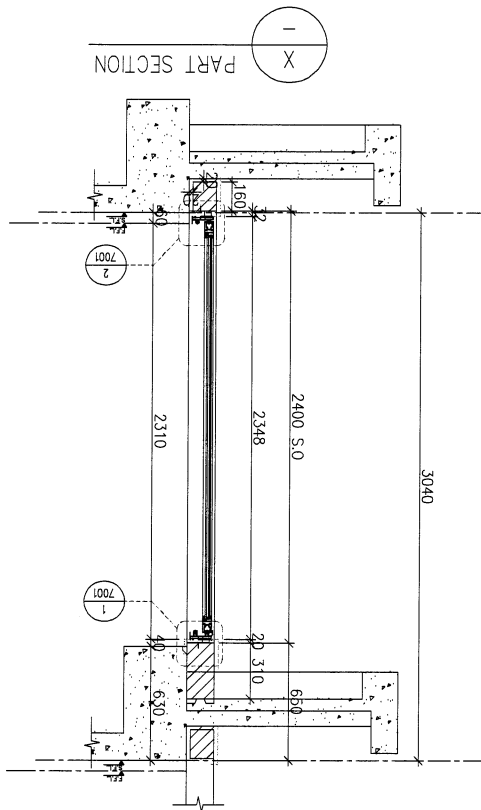
NOTE:	1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND:	1. F.F.L.--FINISHED FLOOR LEVEL
2. S.F.L.--STRUCTURAL FLOOR LEVEL	3. --REVERSED DETAIL
4. GLASS LEGEND	EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-2--10mm THK. CLEAR TEMPERED GLASS	EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
EGL-1A--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	EGL-1A--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)	BB2-FIXING DETAIL (DWG. NO. FD02)

CLIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	lw&partners
MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

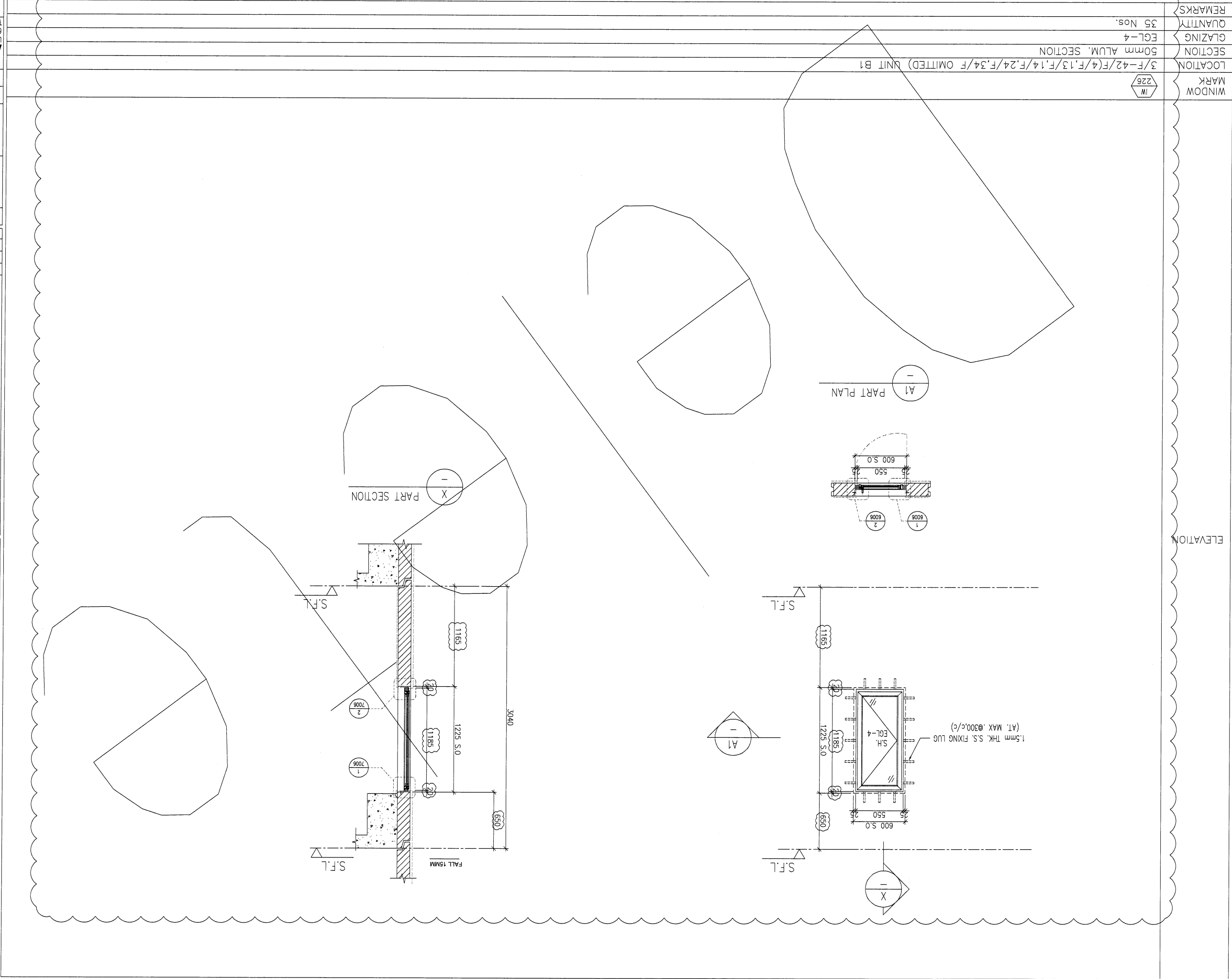
LOCATION	OPENABLE AREA	GLAZING AREA	1.475	1.591	GLAZING AREA	PROVIDED
A8-LIV	0.922	1.429	1.778	1.787	1.681	
B1-LIV	1.429	1.778	1.787	1.638		
B8-LIV	1.638	1.787	1.638	1.787		



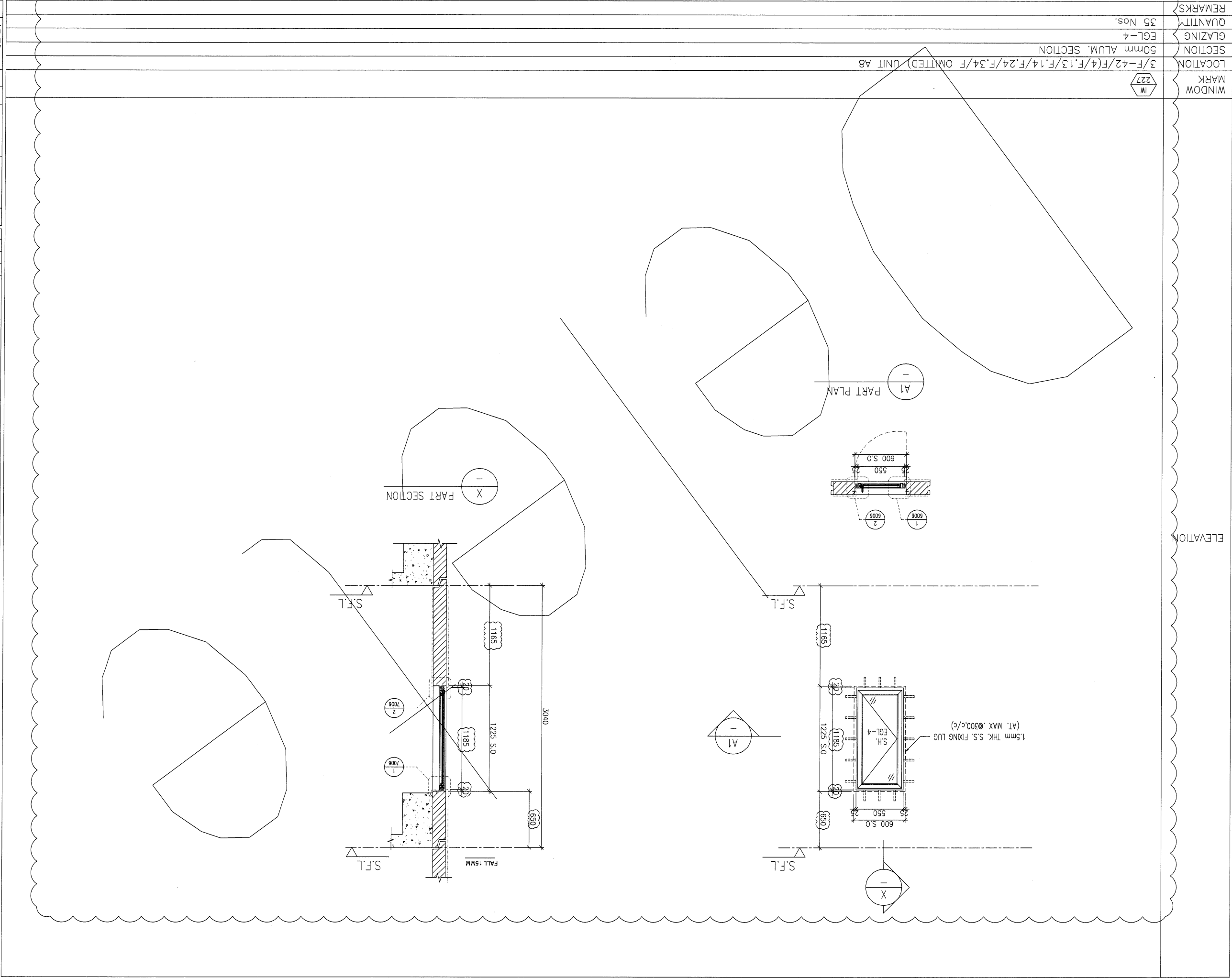
WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AW 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (B8, A8, B1)	70mm ALUM. SECTION	EGL-1A	35 Nos./ 35 Nos.	35 Nos./ 35 Nos.
AW 01	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B1	70mm ALUM. SECTION	EGL-1A	35 Nos.	35 Nos.
					FAÇADE TYPE 12PF08R FOR 3/F~42/F



B.D. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡隆建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
1000 X1 DETAIL MARK NO. 1000 REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEADING	
ECL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
ECL-2--10mm THK. CLAR TEMPERED GLASS	
ECL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
ECL-1A--8mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
BT1/BT1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAL, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
MIDI ALUMINIUM FABRICATOR LTD. 美特铝业有限公司	
DWG NO. : J856-SD-IW-5205	
REV. : E	



B.O. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WINGHAI, HONGKONG	
ARCHITECT :	
Iw&partners architects	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO.	
X001 REFER SHEET NO.	
1. F.F.L.--FINISHED FLOOR LEVEL	
2. S.F.L.--STRUCTURAL FLOOR LEVEL	
3. --REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 2 IN-STU WINDOW	
DATE : 06-Aug-21	SCALE : 1:40
DRAWN BY : Ivan	CHECKED BY :
MIDI ALUMINIUM FABRICATOR LTD. Units 6-B, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27272666	
DWG NO. : J856-SD-IW-5207	
REV. : C	



REMARKS
QUANTITY
GLAZING
SECTION
LOCATION
WINDOW MARK

35 Nos.
EGL-4
50mm ALUM. SECTION
3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A8
227

DWG NO. : J856-SD-IW-5208
REV. : C
DATE : 06-Aug-21
SCALE : 1:40
DRAWN BY : Ivan
CHECKED BY :

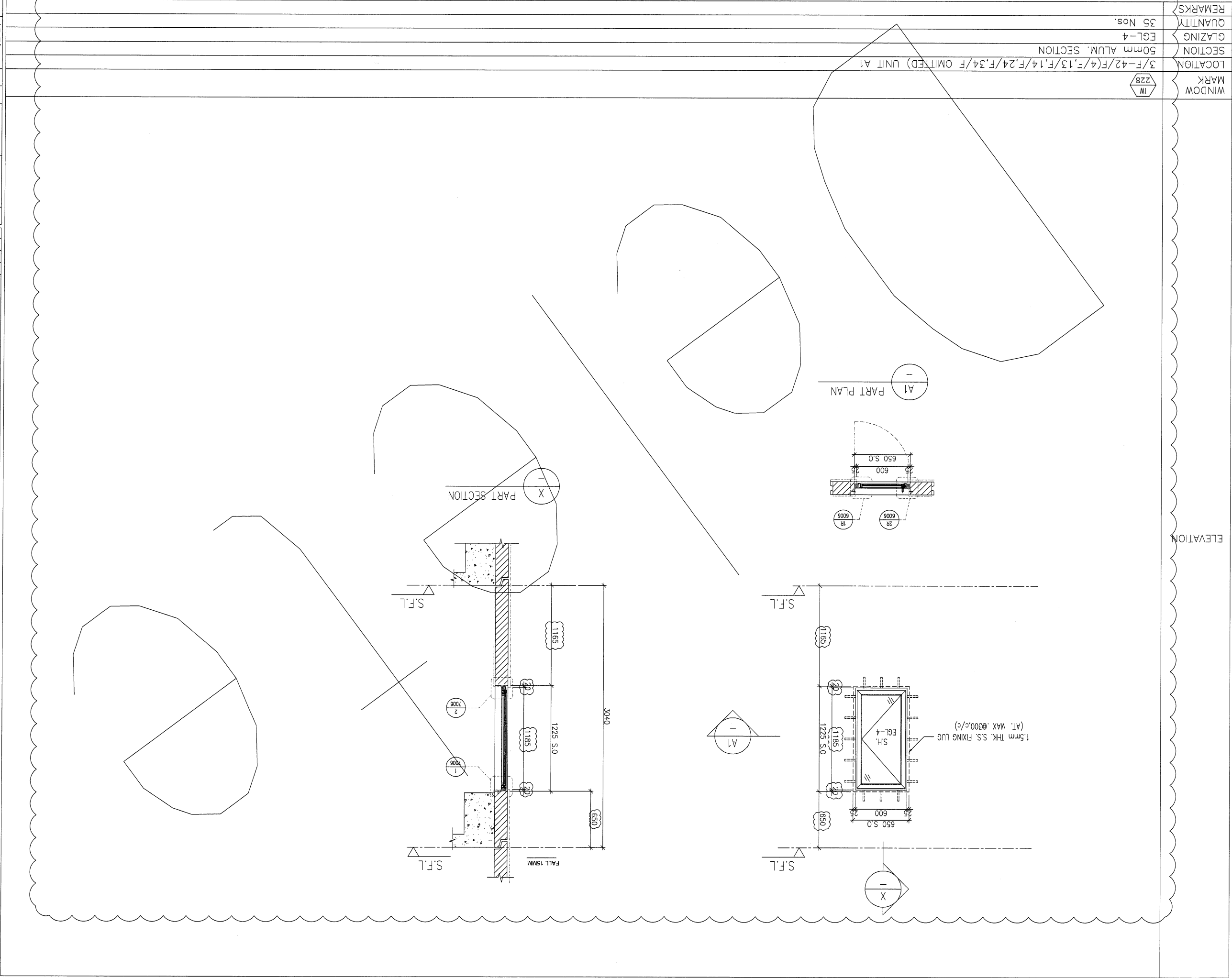
JOB NO. : J-856
PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, TSWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.
TITLE :
WINDOW SCHEDULE FOR
TOWER 2 IN-SITU WINDOW

NO.	DATE	REVISION
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT
B	24/11/2021	REVISION SUBJECT TO ARCH.COMMENT
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT

NOTE:
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND:
1. F.F.L. -- FINISHED FLOOR LEVEL
2. S.F.L. -- STRUCTURAL FLOOR LEVEL
3. -- REVERSED DETAIL
4. GLASS LEGEND
EGL-1 -- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS
EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS
EGL-1A -- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)
BB2-FIXING DETAIL (DWG. NO. FD02)

CLIENT :
SUN HUNG KAI REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :
IWK&PARTNERS
MAIN CONTRACTOR :
Yee Fai Building Contractors Ltd.
STRUCTURAL ENGINEER :
ARUP
FAÇADE CONSULTANT:
ALPHA CONSULTING LIMITED
Steel Structure & Façade Specialist

B.D. REF :



REMARKS	
QUANTITY	35 Nos.
GLAZING	EGL-4
SECTION	50mm ALUM. SECTION
LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A1
WINDOW MARK	228
TITLE :	
WINDOW SCHEDULE FOR	
TOWER 2 IN-SITU WINDOW	
DATE : 06-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE	
LIGHT RAIL TIN WING STOP,TSWTL	
NO.23,AREA 33,TIN SHUI WAI, N.T.	
MIDI ALUMINUM FABRICATOR LTD.	
Units 6-B, Sunray Industrial Centre, 1/F	
610 Cha Kwo Ling Road, Kowloon	
Tel:23489211-4 Fax:(852)27727666	
REV. : C	
DWG NO. : J856-SD-IW-5209	

NO.	DATE	REVISED
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT
B	24/11/2021	REVISION SUBJECT TO ARCH.COMMENT
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT

BY	REVISED
Wan	Wan
Wan	Wan
Wan	Wan

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

- 1. F.F.L. -- FINISHED FLOOR LEVEL
- 2. S.F.L. -- STRUCTURAL FLOOR LEVEL
- 3. -- REVERSED DETAIL
- 4. GLASS LEGEND
- EGL-1--8mmHS+12mm AIR GAP+10mmTP THK, I.G.U.
- EGL-2--10mm THK, CLEAR TEMPERED GLASS
- EGL-4--10mm THK, TEMPERED ACID ETCHED GLASS
- EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK, I.G.U.
- BT1/BB1--FIXING DETAIL (DWG. NO. FD01)
- BB2--FIXING DETAIL (DWG. NO. FD02)

DETAIL MARK NO. X001 REFER SHEET NO.

CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD.

42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT : IWK&PARTNERS

MAIN CONTRACTOR : Yee Fai Building Contractors Ltd.

STRUCTURAL ENGINEER : ARUP

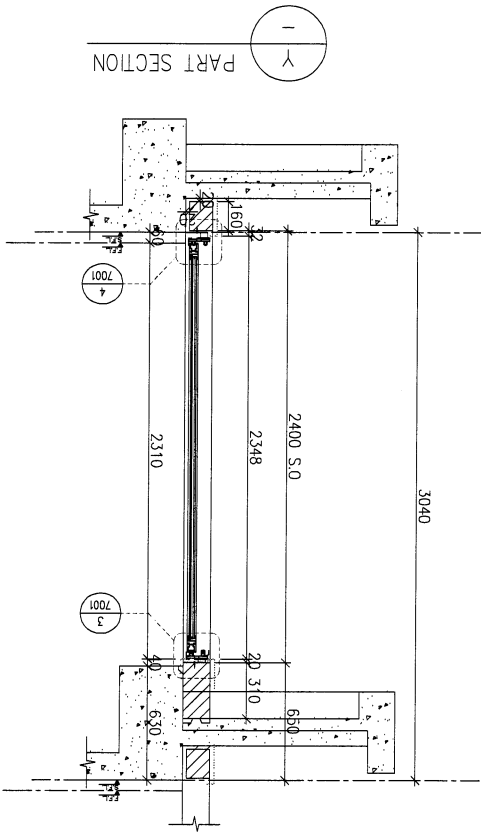
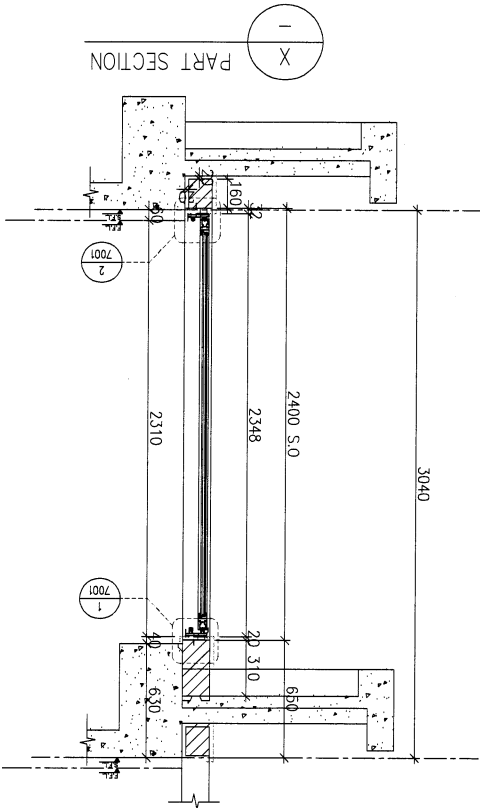
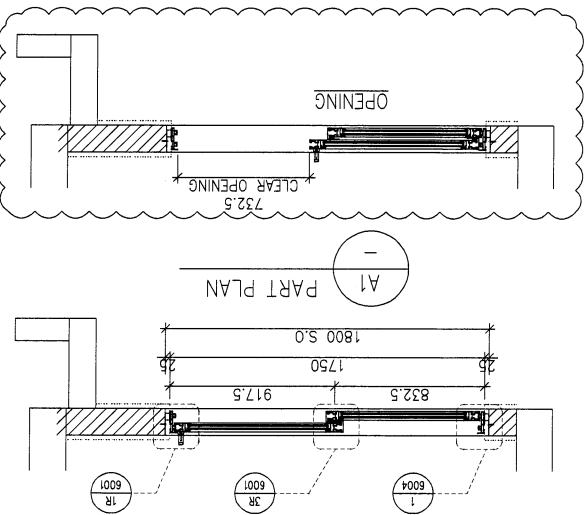
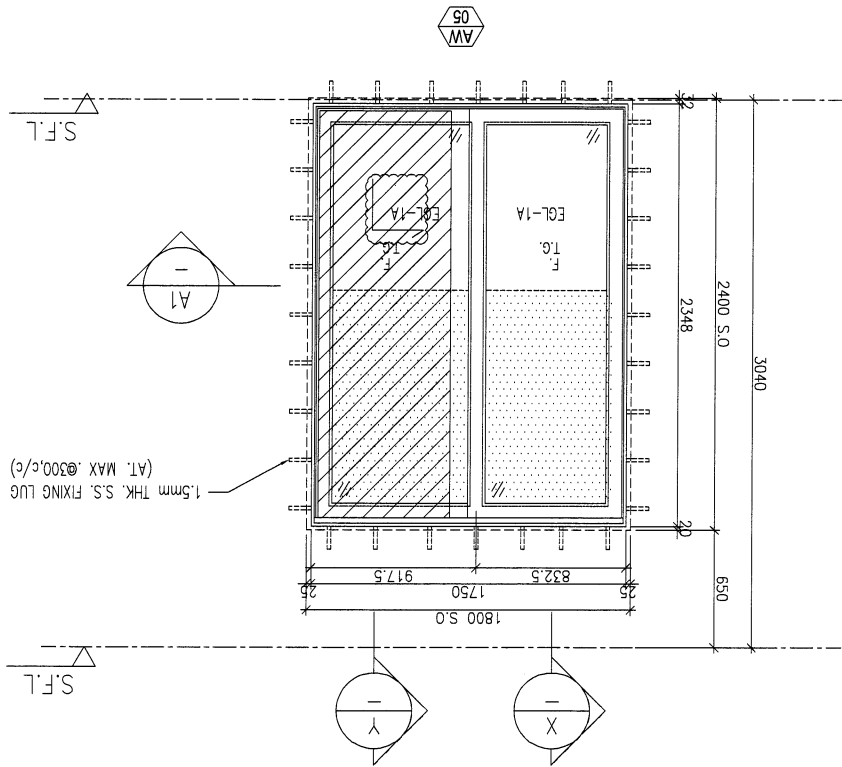
FAÇADE CONSULTANT: ALPHA CONSULTING LIMITED

Steel Structure & Façade Specialist

B.D. REF :

B.O. REF. :	
CLIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAU, HONGKONG
ARCHITECT :	IWK&partners a r c h i t e c t s
MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd. 怡輝建築有限公司 STRUCTURAL ENGINEER :
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist NOTE : 1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. BEFORE FABRICATION, LEGEND : (X1) DETAIL MARK NO. REFER SHEET NO. 1. F.F.L.--FINISHED FLOOR LEVEL 2. S.F.L.--STRUCTURAL FLOOR LEVEL 3. (A)--REVERSED DETAIL 4. GLASS LEGEND EGL-1--6mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-2--10mm THK. CLEAR TEMPERED GLASS EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS EGL-1A--6mmHS+12mm AIR GAP+8mmTP THK. I.G.U. B71/B81-FIXING DETAIL (DWG. NO. FD01) B82-FIXING DETAIL (DWG. NO. FD02)
JOB NO. :	J-856
PROJECTOED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAT,N.T.	TITLE : WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW
DATE : 06-Aug-21	SCALE : 1:40
DRAWN BY : Ivan	CHECKED BY :
MIDI ALUMINIUM FABRICATOR LTD. 美特鋁業有限公司 Units 6-8, Sunny Industrial Centre, 1/f 610 Che Kwong Road, Kwailoon Tel:23489211-4 Fax:(852)2727666 DWG NO.: J856-SD-IW-5211 REV. : C	

	REQUIRE	OPENABLE AREA	1.092	A6-LIV
	PROVIDED	GLAZING AREA	1.239	LOCATION
		OPENABLE AREA	1.681	



twk&partners

ARCHITECT :

42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

SUN HUNG KAI REAL ESTATE AGENCY LTD.

YEE FAI Building Contractors Ltd.

STRUCTURAL ENGINEER :

ALPHA CONSULTING LIMITED

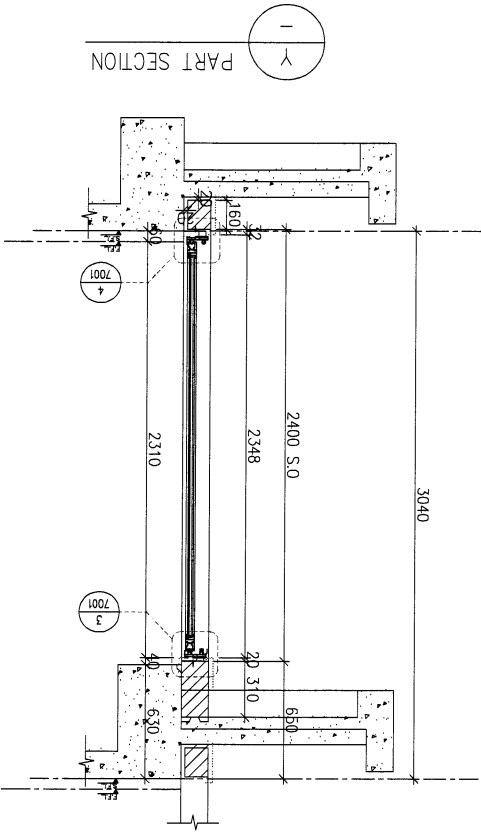
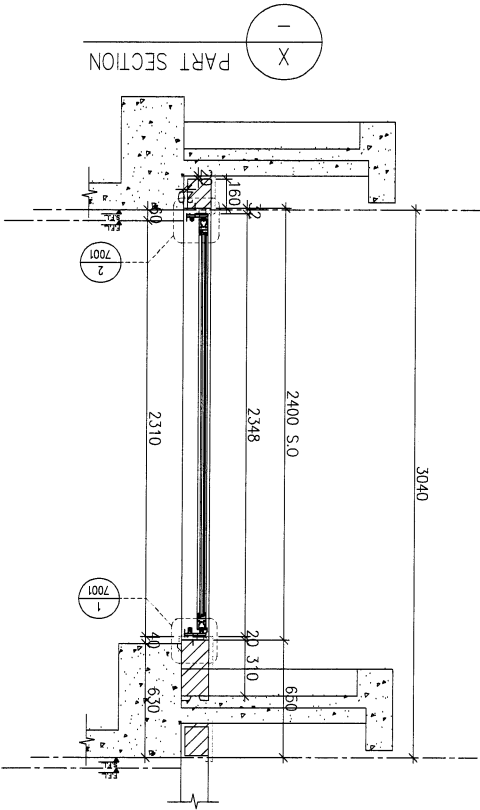
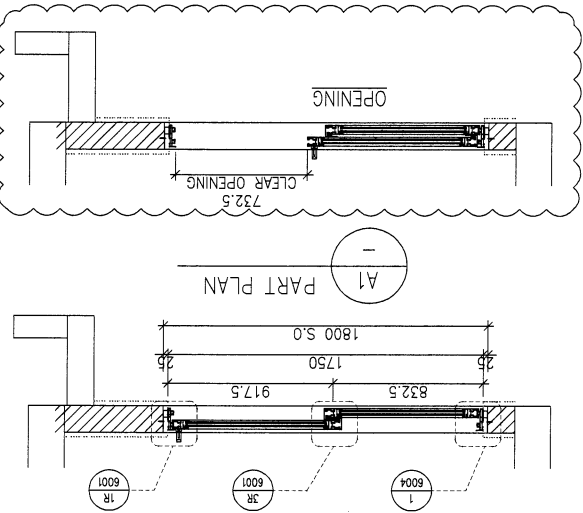
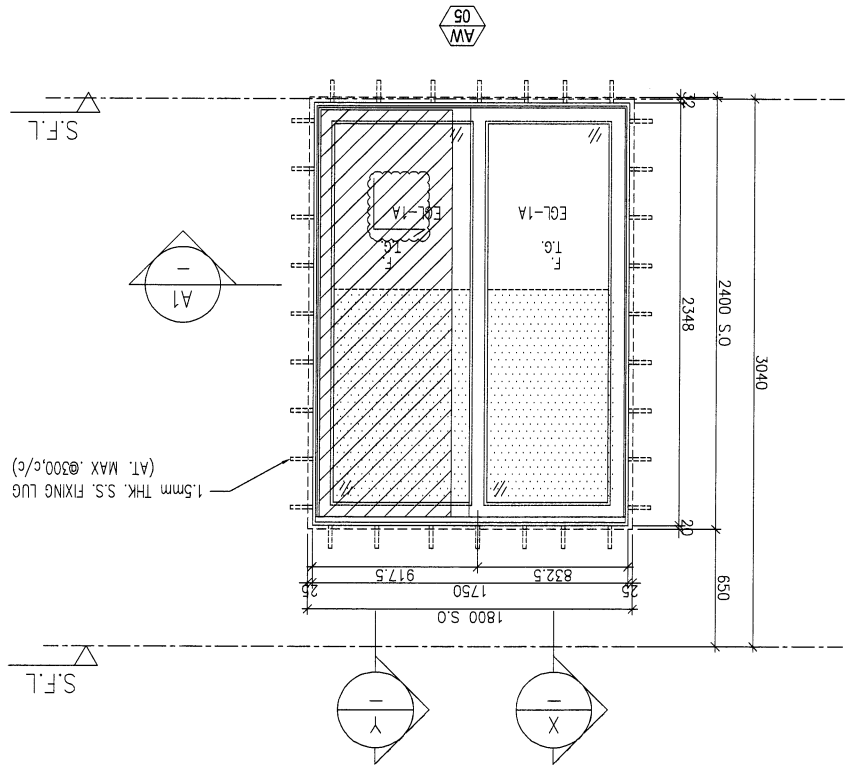
Steel Structure & Facade Specialist

NO.	DATE	REVISION
A	23/11/2021	REVISION SUBJECT TO ARCH COMMENT
B	19/01/2022	REVISION SUBJECT TO ARCH COMMENT
C	28/07/2022	REVISION SUBJECT TO ARCH COMMENT

BB2-FIXING DETAIL (DWG. NO. FD02)
 BT/BB1-FIXING DETAIL (DWG. NO. FD01)
 ECL-1A-BmmHs+12mm AIR GAP+BmmP THK, I.G.U.
 ECL-4-4-10mm THK, TEMPERED ACID ETCHED GLASS
 ECL-2-2-10mm THK, CLEAR TEMPERED GLASS
 ECL-1-BmmHs+12mm AIR GAP+10mmP THK, I.G.U.
 4. GLASS LEGEND
 3. ⑧ - REVERSED DETAIL
 2. S.F.L - STRUCTURAL FLOOR LEVEL
 1. F.F.L - FINISHED FLOOR LEVEL
 (X) - DETAIL MARK NO.
 (X001) - REFER SHEET NO.
 LEGEND
 1. ALL DIMENSIONS ARE IN mm.
 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

08 NO.:	J-856
PROJECT :	PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TUN WING STOP, TSWL NO.23, AREA 33, TIN SHUI WAI, N.T.
TITLE :	WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW
DATE :	02-Aug-21
DRAWN BY :	Ivan
CHECKED BY :	
SCALE :	1:40
 美特铝业有限公司 ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/f, 10 Cha Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27277666	
SWG NO.:	J-856-SD-IW-5212
REV.:	C

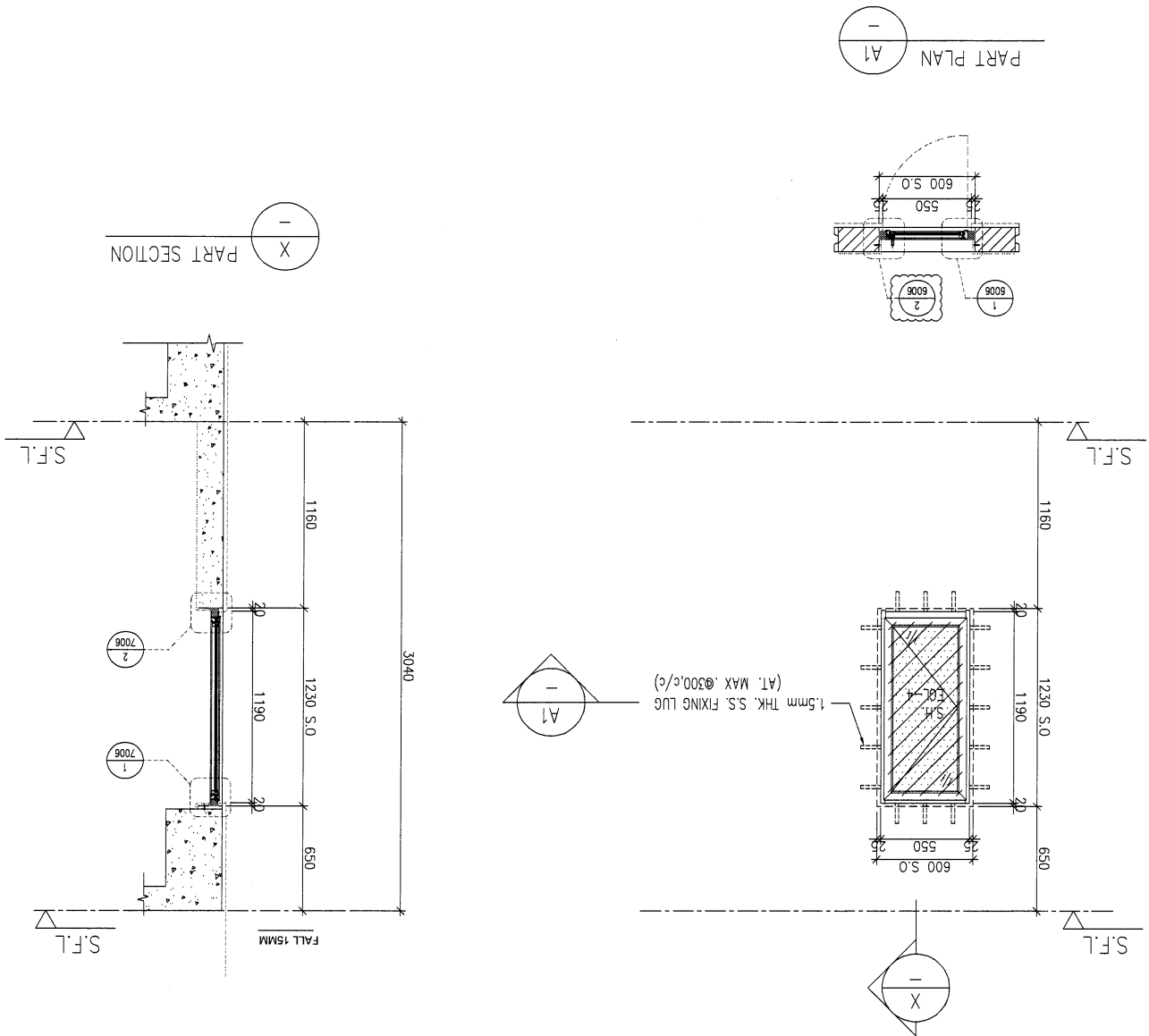
	REQUIRE	OPENABLE AREA	GLAZING AREA	1.053		B5-LIV
	PROVIDED	OPENABLE AREA	GLAZING AREA	1.681		



B.O. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
YK 怡輝建築有限公司 Yee Fai Building Contractors Ltd.	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE	
BEFORE FABRICATION.	
LEGEND:	
⑪ DETAIL MARK NO.	
⑩ REFER SHEET NO.	
1. F.F.L. --- FINISHED FLOOR LEVEL	
2. S.F.L. --- STRUCTURAL FLOOR LEVEL	
3. (R) --- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1---8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2---10mm THK. CLEAR TEMPERED GLASS	
EGL-4---10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A---8mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
BFL/BBL-FIXING DETAIL (DWG. NO. FDO2)	
BFL/BBL-FIXING DETAIL (DWG. NO. FDO1)	
D 26/08/2022	
REVISION SUBJECT TO ARCH.COMMENT	
C 28/07/2022	
REVISION SUBJECT TO ARCH.COMMENT	
B 13/01/2021	
REVISION SUBJECT TO ARCH.COMMENT	
A 23/11/2021	
NO DATE REVISION	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivon	
CHECKED BY :	
美特經貿有限公司 MIDI ALUMINIUM FABRICATOR LTD.	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwong Road, Kowloon Tel:23489211-4 Fax:(852)27727866	
DWG NO. : J856-SD-IW-5213	
REV. : D	

LOCATION	OPENABLE AREA	GLAZING AREA	PROVIDED
A1-KIT	0.278	0.474	0.497
A1-M.BATH	0.318	0.318	
A8-BATH	0.199	0.318	
B1-M.BATH	0.318	0.318	

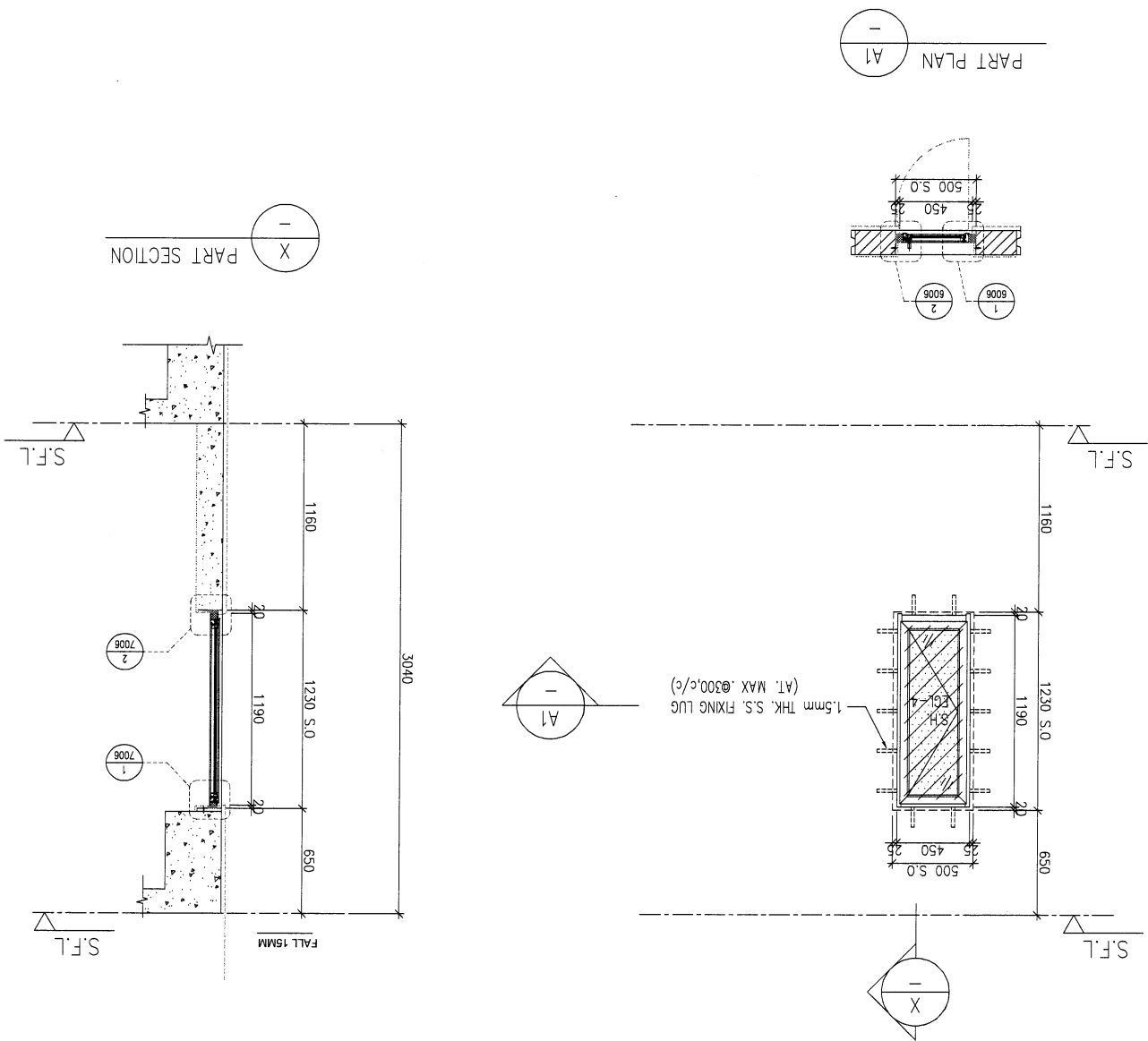
WINDOW MARK		3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A1,A8,B1	50mm ALUM. SECTION	GLAZING EGL-4	35 Nos./35 Nos./35 Nos.	REMARKS
		3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A1	50mm ALUM. SECTION	EGL-4	35 Nos.	50mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HHMS-N14)



B.O. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENT LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO. X001 REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEZEND	
ECL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
ECL-2--10mm THK. CLEAR TEMPERED GLASS	
ECL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BRT/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	
DATE : 22/06/2022	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. 美特鋁業有限公司	
Units 6-8, Sunny Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
DWG NO.: J856-SD-IW-5214	
REV. : A	

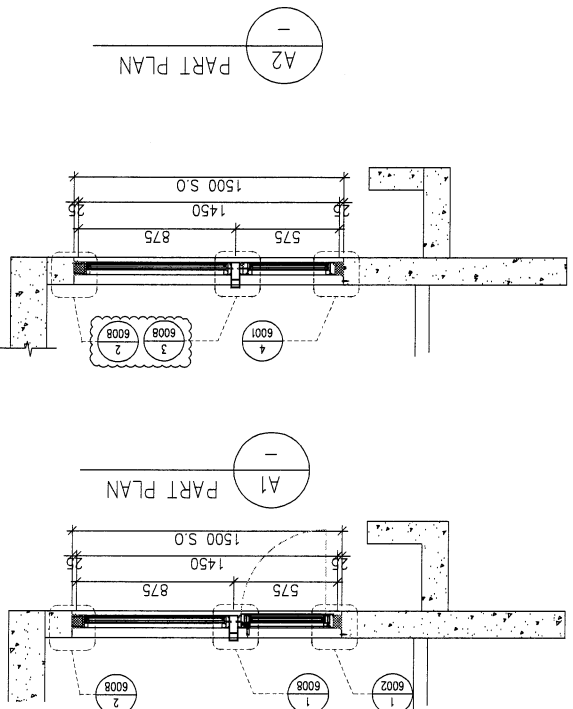
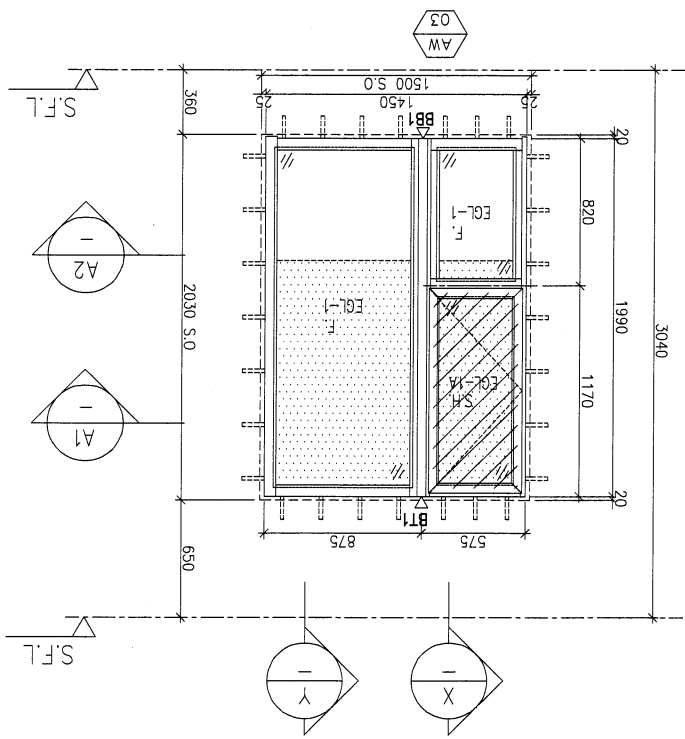
	REQUIRE	OPENABLE AREA	GLAZING AREA	N/A	0.389	0.306
	PROVIDED	OPENABLE AREA	GLAZING AREA	N/A	0.389	0.306

WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT A5	50mm ALUM. SECTION	EGL-4	35 Nos.	50mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HINGE (HMS-N12)

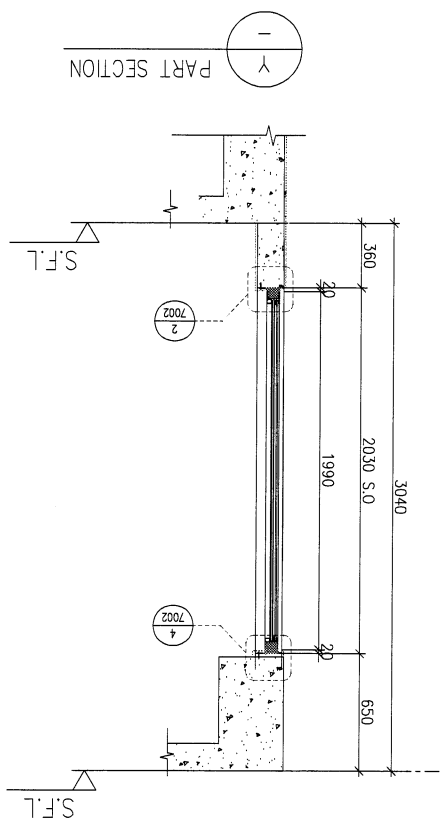
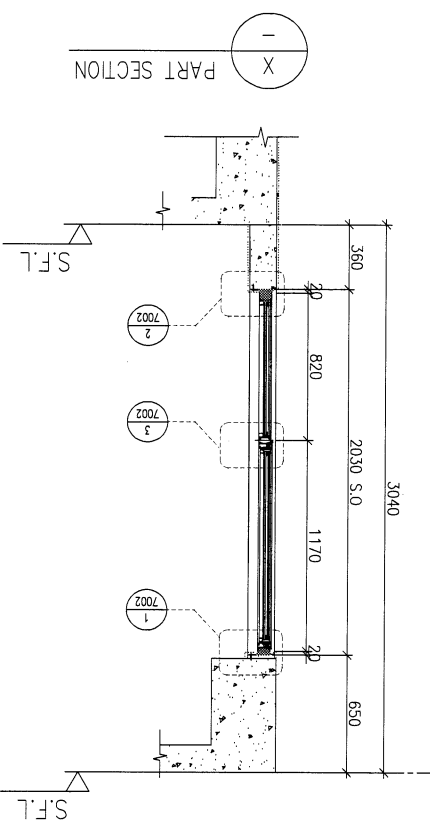


B.D. REF. :	
CLIENT :	
H K SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
H K Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
 DETAIL MARK NO. 1001	
REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A--6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
B7/B81-FIXING DETAIL (DWG. NO. FD01)	
B82-FIXING DETAIL (DWG. NO. FD02)	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW	
DATE : 22/06/2022	
SCALE : 1:40	
DRAWN BY : Iwgn	
CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwong Road, Kwloon Tel:2348921-4 Fax:(852)27727666	
美特鋁質有限公司	
DWG NO. : J856-SD-IW-5215	
REV. : B	

	PROVIDED	GLAZING AREA	0.504	1.383
	REQUIRE	GLAZING AREA	0.472	
		OPENABLE AREA	0.295	
		LOCATION		B5-MBR

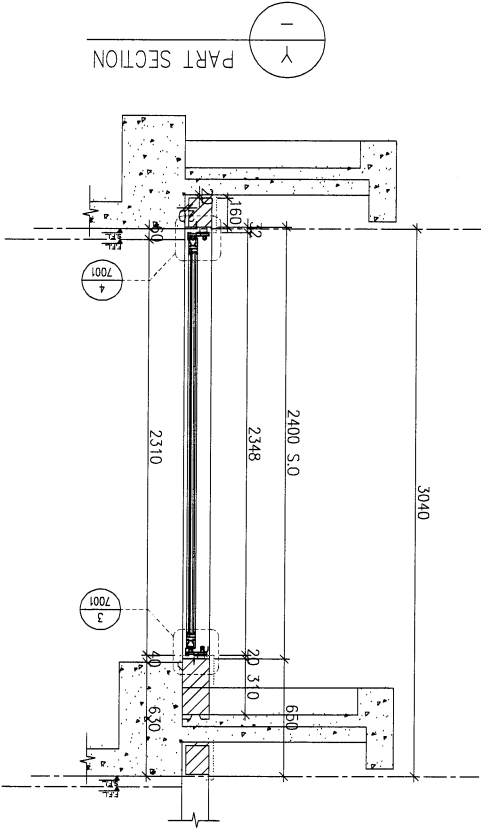
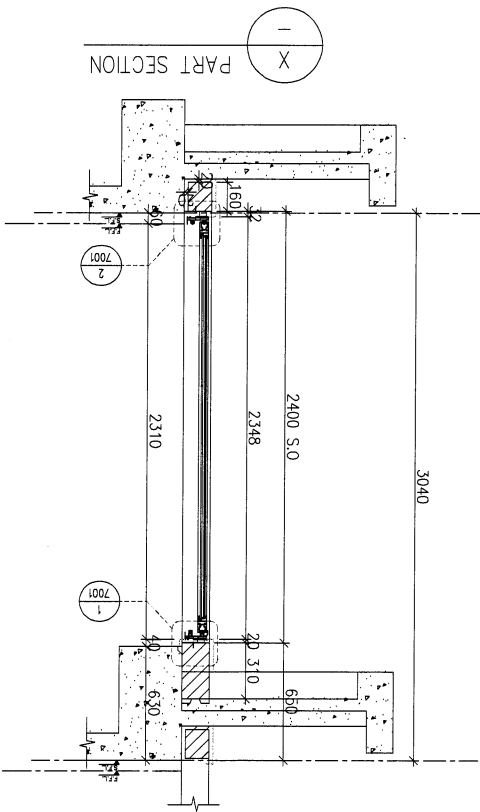
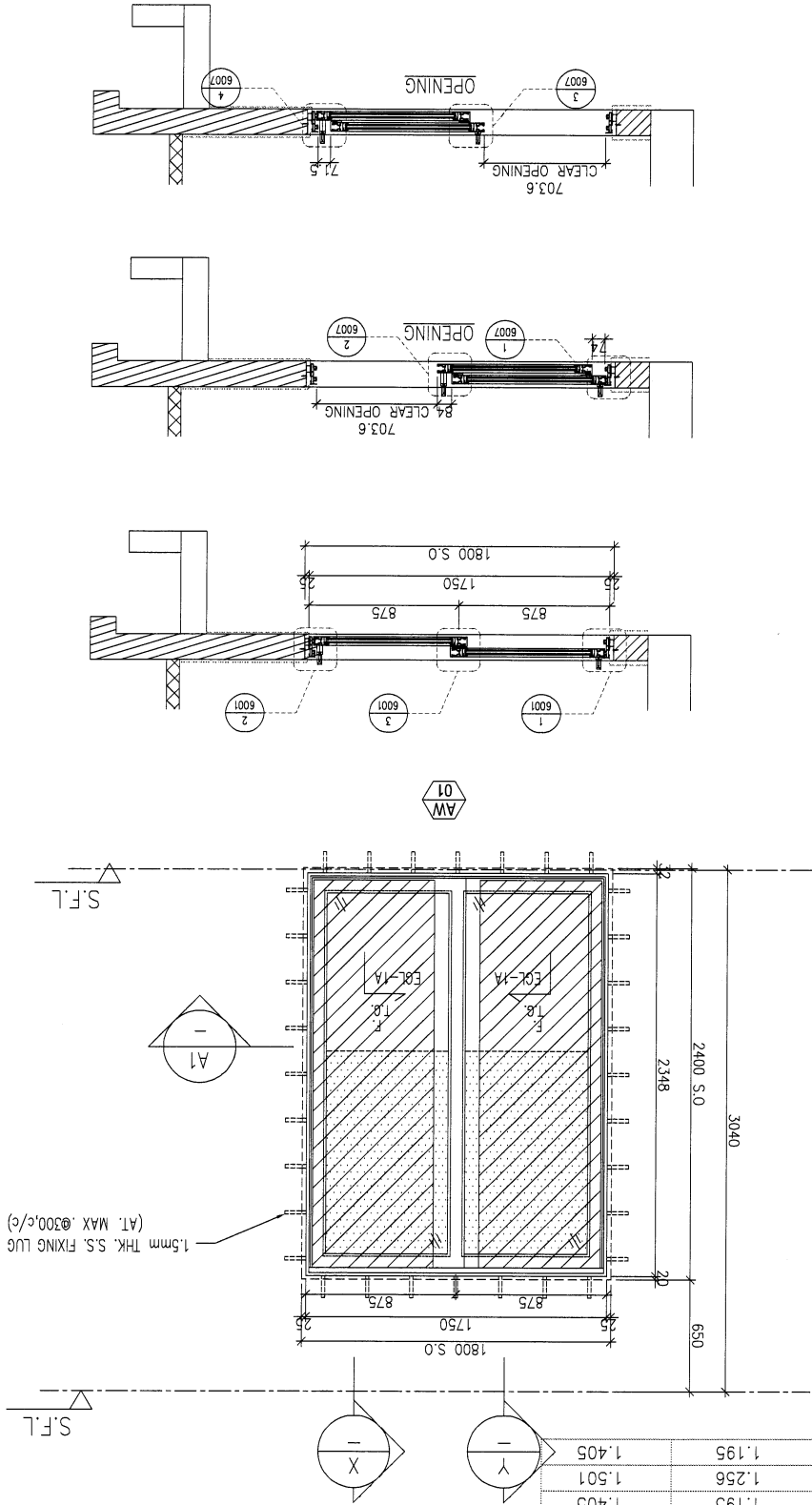


WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AM 03	5/F-42/F,14/F,13/F,14/F,24/F,34/F OMITTED) UNIT B5	70mm ALUM. SECTION	EGL-1 / EGL-1A	34 Nos.	70mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HMS-N14)
AM 03R	3/F UNIT A1	50mm ALUM. SECTION	EGL-4	1 No.	

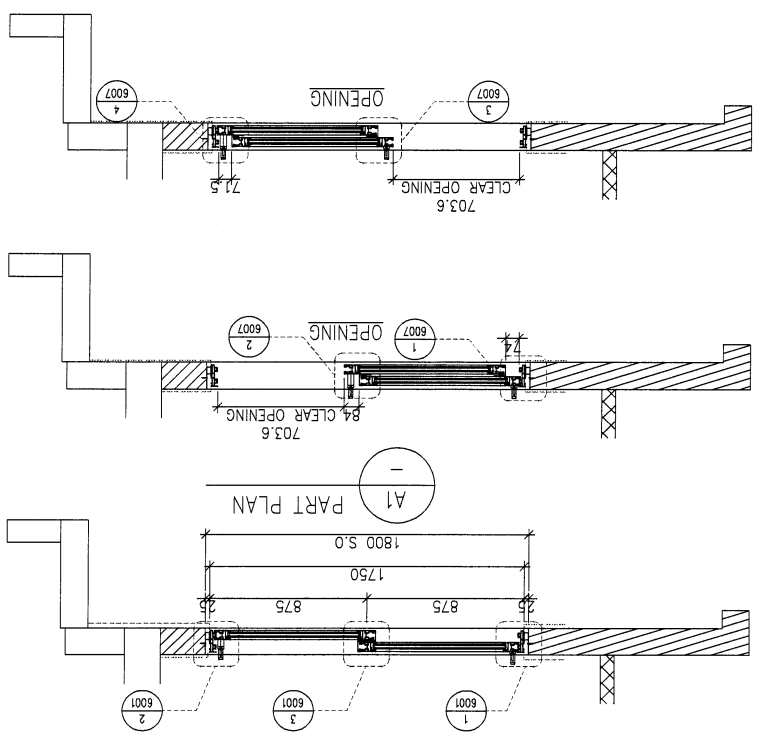
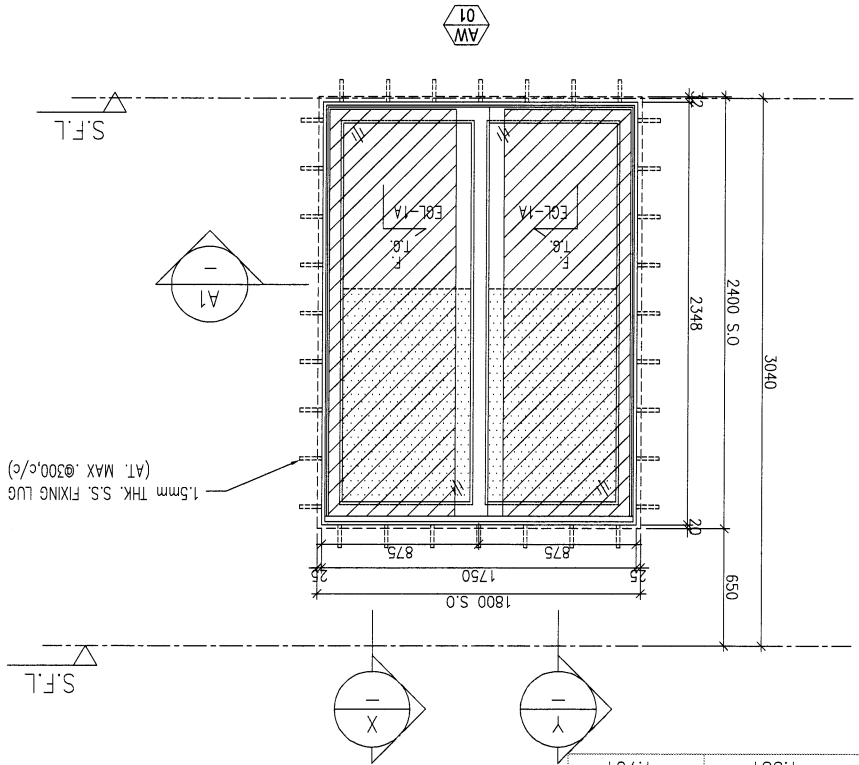


B.D. REF :
CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT : Iw&partners architects
MAIN CONTRACTOR : Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER : ARUP
FACADE CONSULTANT: α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist
NOTE : 1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND: X1DETAIL MARK NO. 1001REFER SHEET NO. 1. F.F.L -- FINISHED FLOOR LEVEL 2. S.F.L -- STRUCTURAL FLOOR LEVEL 3. R / REVERSED DETAIL 4. GLASS LEGEND ECL-1--6mmH5+12mm AIR GAP+10mmTP THK. I.G.U. ECL-2--10mm THK. CLEAR TEMPERED GLASS ECL-4--10mm THK. CLEAR TEMPERED ACID ETCHED GLASS ECL-1A--6mmH5+12mm AIR GAP+6mmTP THK. I.G.U. BT1/B81-FIXING DETAIL (DWG. NO. FD01) BB2-FIXING DETAIL (DWG. NO. FD02)
JOB NO. : J-856
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA.A33,TIN SHUI WAI, N.T.
TITLE : WINDOW SCHEDULE FOR TOWER 2 IN-SITU WINDOW
DATE : 22/06/2022 SCALE : 1:40 DRAWN BY : Ivan CHECKED BY :
MIDI ALUMINIUM FABRICATOR LTD. 美特鋁質有限公司 Units B-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kwailoon Tel:23489211-4 Fax:(852)27727666
DWG NO. : JB56-SD-IW-5216 REV. : B

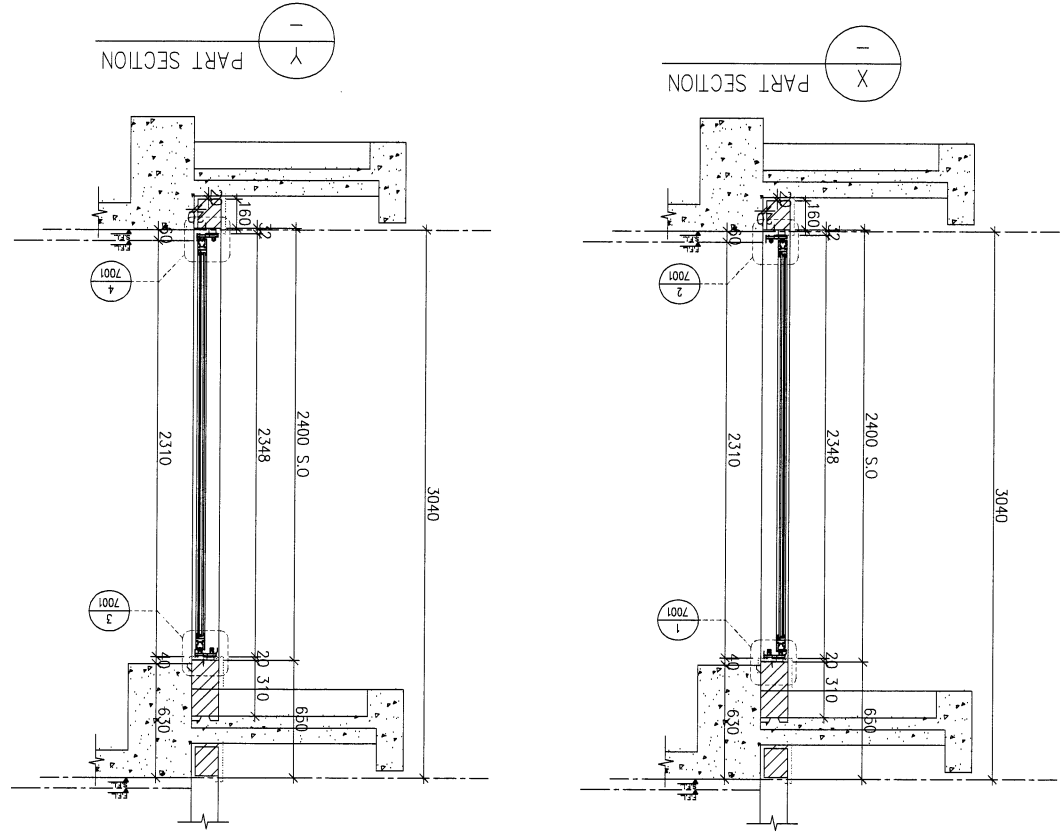
LOCATION	OPENABLE AREA	GLAZING AREA	PROVIDED
A3-LIV	1.229	1.457	1.591
A6-LIV	1.195	1.405	1.681
A10-LIV	1.240	1.475	
A11-LIV	1.196	1.405	
A12-LIV	1.196	1.405	
A13-LIV	1.196	1.405	
B5-LIV	1.195	1.405	
B8-LIV (LAWYER WORKS)	1.256	1.501	
B11-LIV	1.195	1.405	

[illegible]

B.D. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
1X 100X --- DETAIL MARK NO. --- REFER SHEET NO.	
1. F.F.L. --- FINISHED FLOOR LEVEL	
2. S.F.L. --- STRUCTURAL FLOOR LEVEL	
3.  --- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1 --- 6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
EGL-2 --- 10mm THK. CLEAR TEMPERED GLASS	
EGL-4 --- 10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A --- 6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
BT1/BB1 --- FIXING DETAIL (DWC. NO. FD01)	
BB2 --- FIXING DETAIL (DWC. NO. FD02)	
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TUNING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Iyvan	
CHECKED BY :	
 美特銘實有限公司 M&P ALUMINIUM FABRICATOR LTD.	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
DWG NO. : J856-SD-W-5302	
REV. : F	

[illegible]

WINDOW MARK	AW 01	
LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (A3,A6,B1,B10)	
SECTION	70mm ALUM. SECTION	
GLAZING	EGL-1A	
QUANTITY	35 Nos/35 Nos/35 Nos/35 Nos	
REMARKS	FACADE(TYPE T3PF08 FOR 3/F~42/F)	

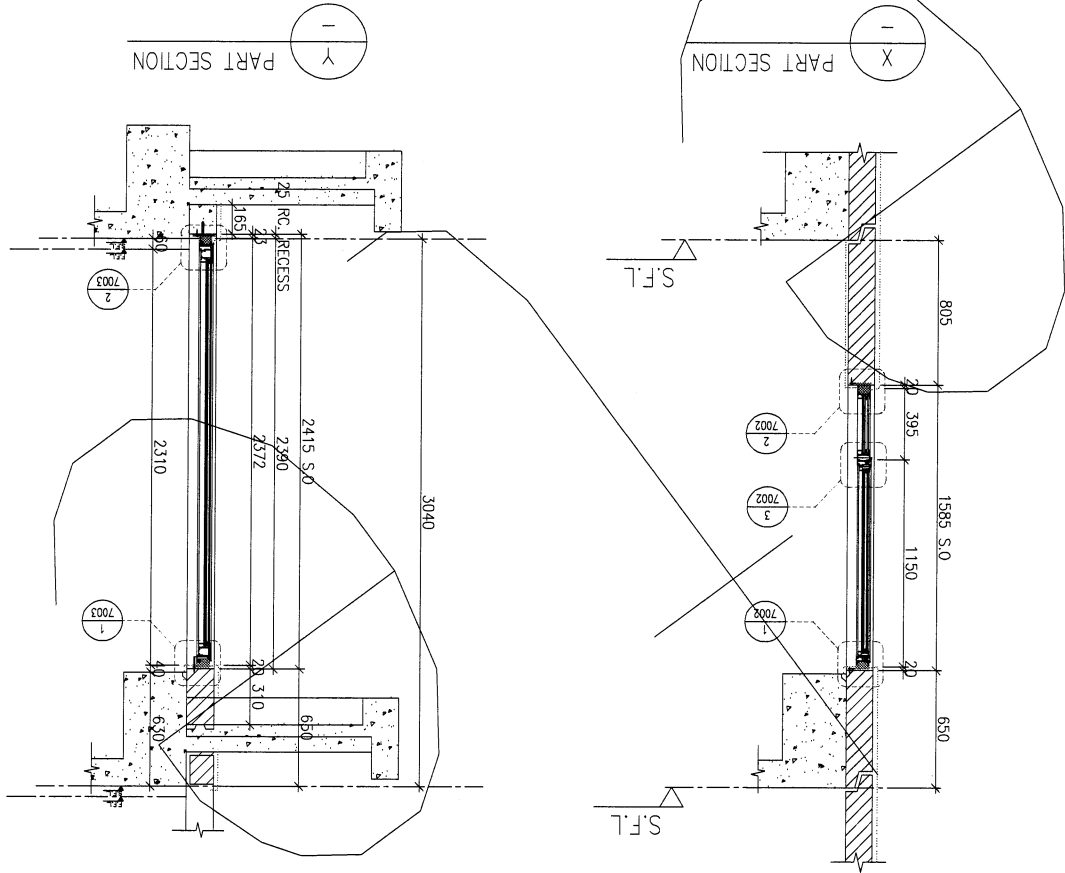
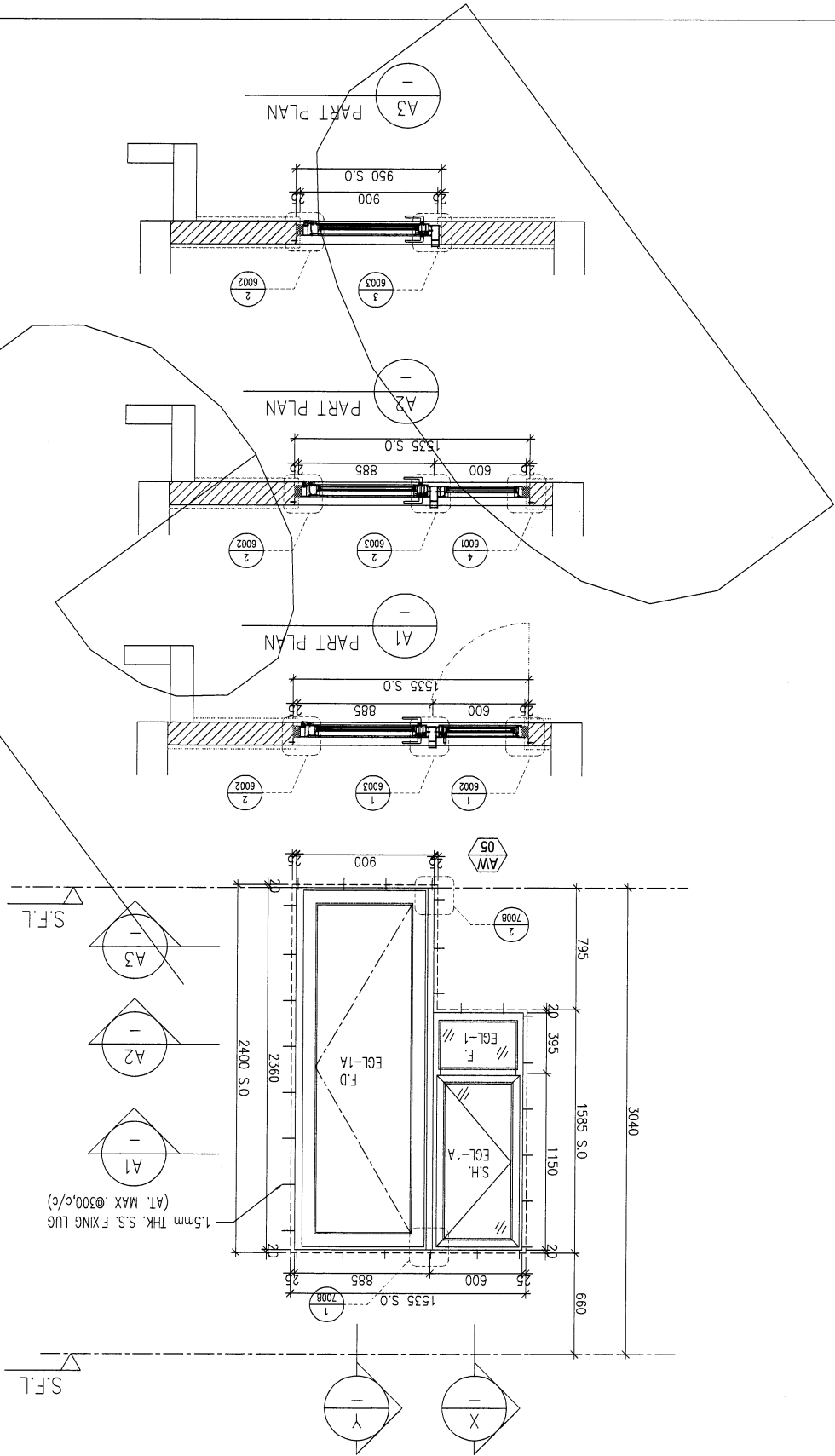


	B.D. REF :
CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, MANCHEL, HONGKONG	
ARCHITECT : IWK&partners architects	
MAIN CONTRACTOR : Yee Fai Building Contractors Ltd. 怡康建築有限公司	
STRUCTURAL ENGINEER : ARUP	
FACADE CONSULTANT: ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE: 1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
(X1) DETAIL MARK NO. (X001) REFER SHEET NO. 1. F.F.L -- FINISHED FLOOR LEVEL 2. S.F.L -- STRUCTURAL FLOOR LEVEL 3. (R) -- REVERSED DETAIL 4. GLASS LEGEND EGL-1--6mmH+12mm AIR GAP+10mmTP THK. I.G.U. EGL-2--10mm THK. CLEAR TEMPERED GLASS EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS EGL-1A--6mmH+12mm AIR GAP+8mmTP THK. I.G.U. B7/B81-FIXING DETAIL (DWG. NO. FD01) B82-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TWIN STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21 SCALE : 1:40 CHECKED BY : DRAWN BY : Ivan	
MIDI ALUMINIUM FABRICATOR LTD. 美特铝业有限公司	
Units 6-8, Sunray Industrial Centre, 1/f 610 Cho Kwong Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
DWG NO. : J856-SD-IW-5304	REV. : F

REMARKS
QUANTITY
GLAZING
SECTION
LOCATION
WINDOW
MARK

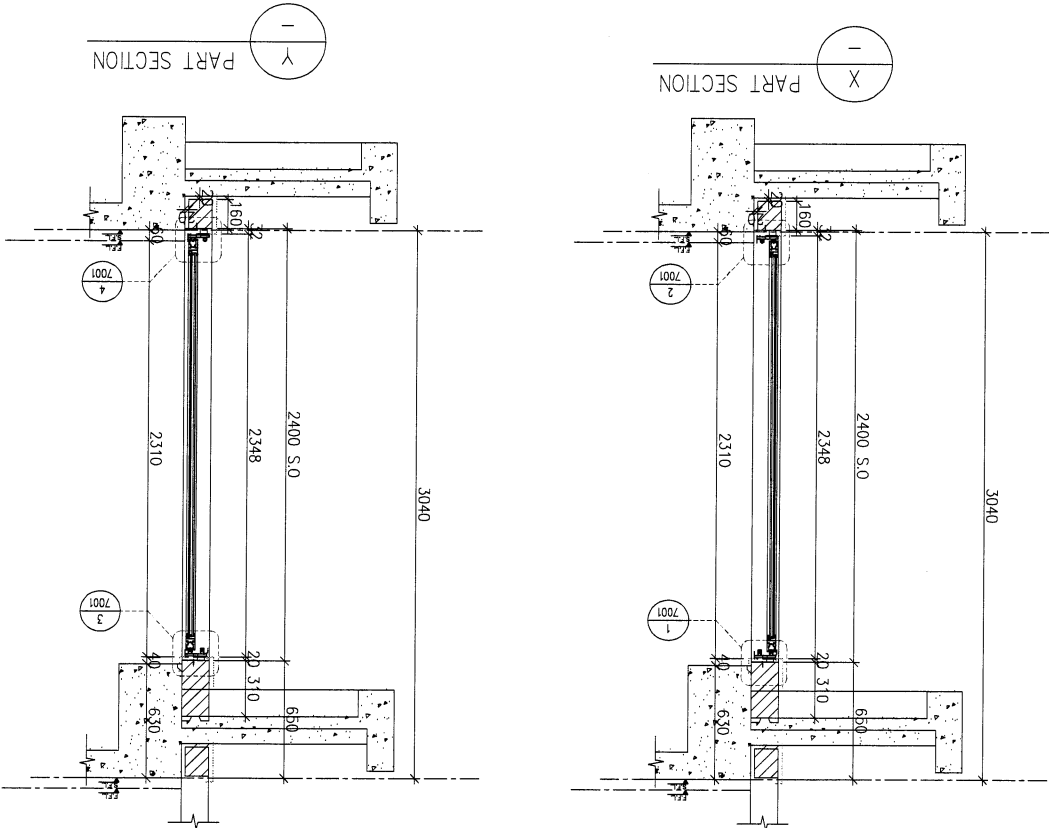
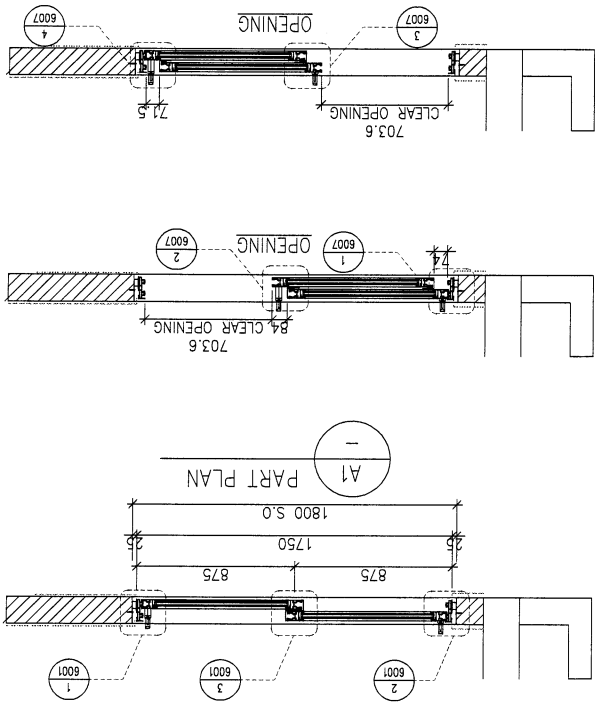
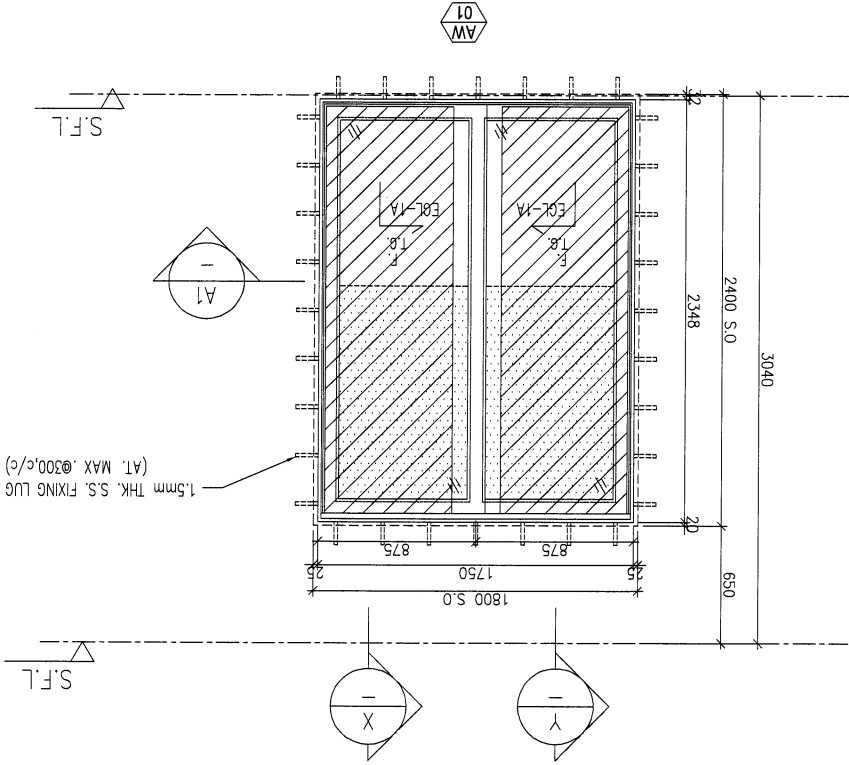
ELEVATION

5/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT B10
70mm ALUM. SECTION
EGL-1/EGL-1A
34 Nos
FACADE(TYPE T3PF11 FOR 5/F~42/F)



B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP Steel Structure & Facade Specialist	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED	
NOTE:	
1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO. X001 REFER SHEET NO.	
1. F.F.L.--FINISHED FLOOR LEVEL 2. S.F.L.--STRUCTURAL FLOOR LEVEL 3. --REVERSED DETAIL 4. GLASS LEGEND EGL-1---8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-2---10mm THK. CLEAR TEMPERED GLASS EGL-4---10mm THK. TEMPERED ACID ETCHED GLASS EGL-1A---8mmHS+12mm AIR GAP+6mmTP THK. I.G.U. BT1/BB1--FIXING DETAIL (DWG. NO. FD01) BB2--FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856 PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T. TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21 SCALE : 1:40 DRAWN BY : Ivan CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27272666	
DWG NO. : J856-SD-IW-5305 REV. : D	

	REQUIRE			
LOCATION	OPENABLE AREA	GLAZING AREA	1.746	
A15-LIV	OPENABLE AREA	GLAZING AREA	1.511	
	PROVIDED	OPENABLE AREA	1.591	
		GLAZING AREA	1.681	



WINDOW MARK	AW 01
LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (A1)
SECTION	70mm ALUM. SECTION
GLAZING	EGL-1A
QUANTITY	36 Nos (3/F FOR 2 Nos.)
REMARKS	FACADE(TYPE T3PF17 FOR 3/F~42/F)

JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23 AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21	DRAWN BY : Ivin
SCALE : 1:40	CHECKED BY :
DWG NO. : J856-SD-IW-5306	
REV. : F	

NO.	DATE	REVISION	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivin
B	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	Ivin
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivin
D	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivin
E	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivin
F	11/11/2022	REVISION SUBJECT TO ARCH.COMMENT	Ivin

NOTE:

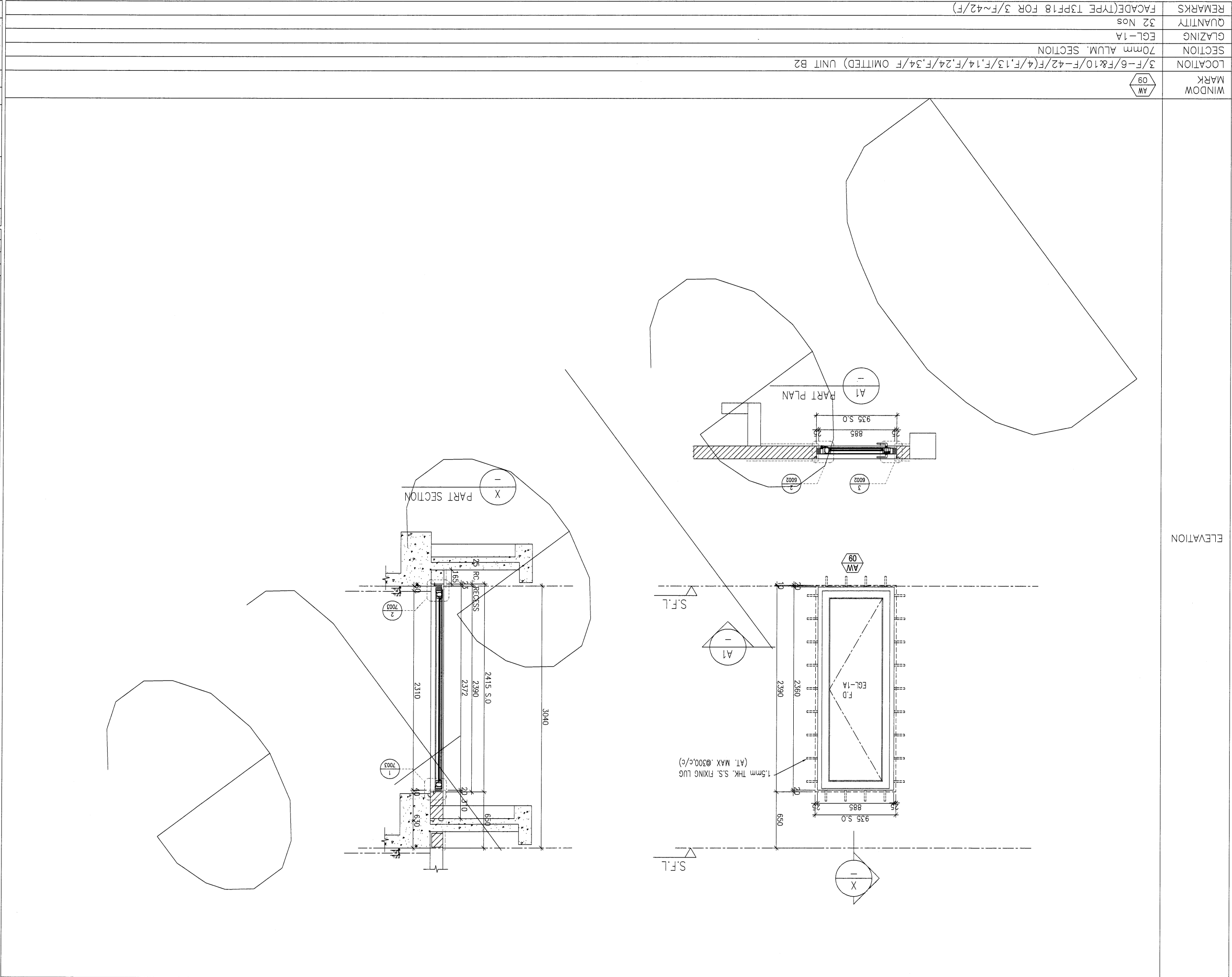
- ALL DIMENSIONS ARE IN mm.
- ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
- ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

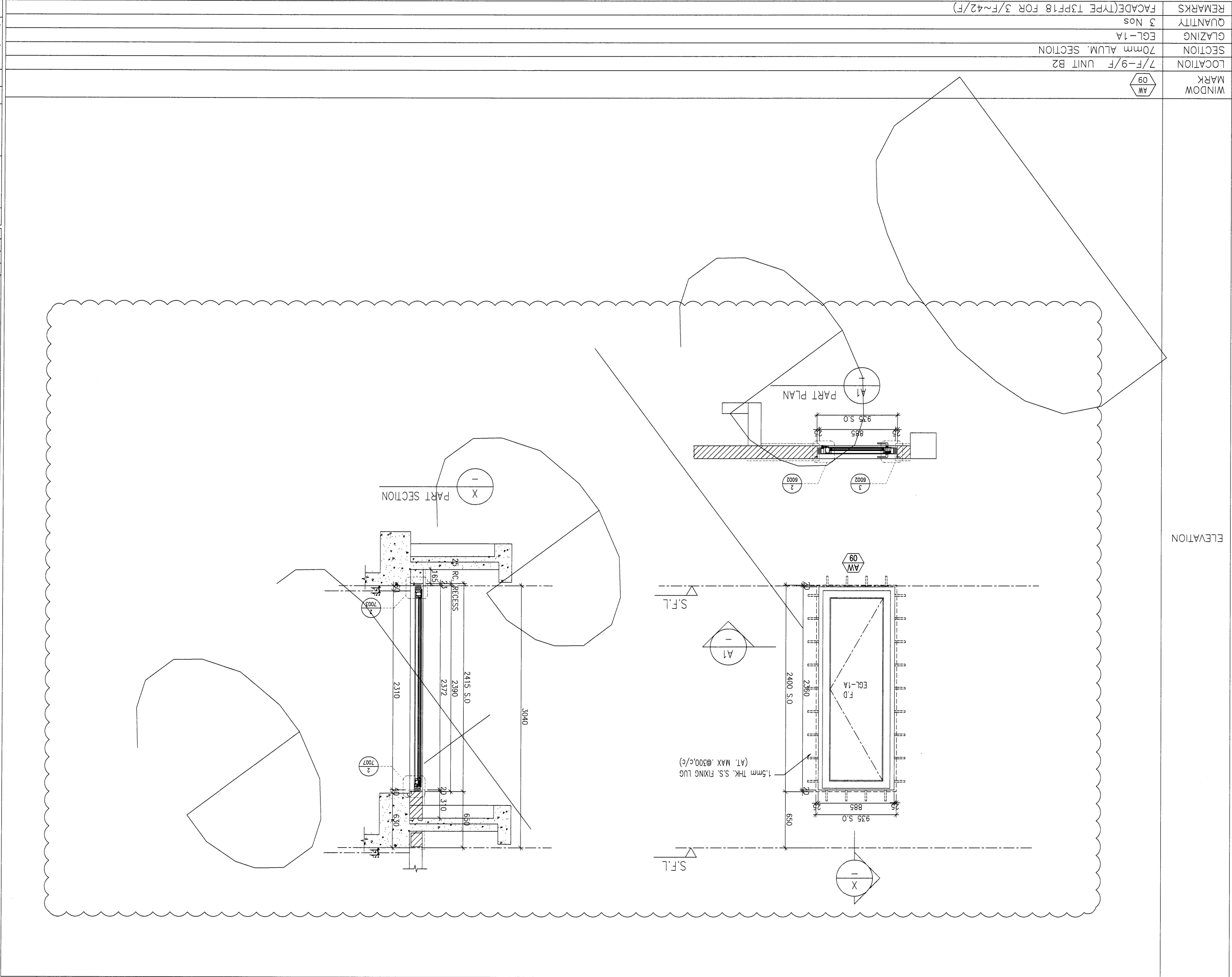
- DETAIL MARK NO.
- REFER SHEET NO.
- 1. F.F.L.--FINISHED FLOOR LEVEL
- 2. S.F.L.--STRUCTURAL FLOOR LEVEL
- 3. --REVERSED DETAIL
- 4. GLASS LEGEND
- EGL-1--8mmHS+12mm AIR GAP+10mmTP THK, I.G.U.
- EGL-2--10mm THK. CLEAR TEMPERED GLASS
- EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
- EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK, I.G.U.
- BT1/BB1--FIXING DETAIL (DWG. NO. FD01)
- BB2--FIXING DETAIL (DWG. NO. FD02)

CLIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	lw&partners architects
MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

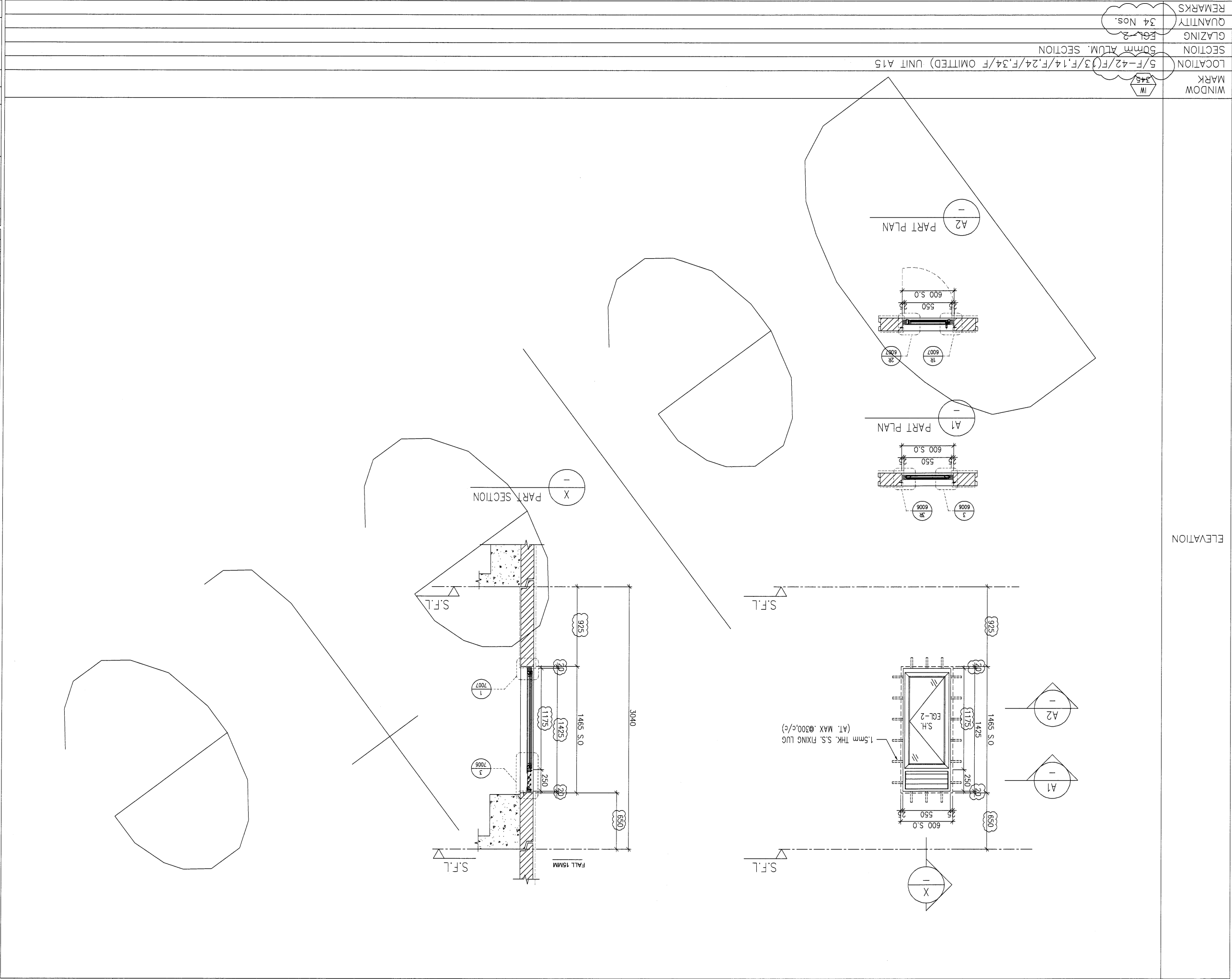
B.D. REF :



B.O. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (X) -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
C 22/06/2022 REVISION SUBJECT TO ARCH.COMMENT	
B 23/11/2021 REVISION SUBJECT TO ARCH.COMMENT	
A 10/11/2021 REVISION SUBJECT TO ARCH.COMMENT	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)2727666	
DWG NO. : J856-SD-IW-5307	
REV. : C	



B.O. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE :	
1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND :	
1. F.F.L.--FINISHED FLOOR LEVEL 2. S.F.L.--STRUCTURAL FLOOR LEVEL 3. --REVERSED DETAIL 4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK, I.G.U. EGL-2--10mm THK, CLEAR TEMPERED GLASS EGL-4--10mm THK, TEMPERED ACID ETCHED GLASS EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK, I.G.U. B1/B1--FIXING DETAIL (DWG. NO. FD01) BB2--FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21 SCALE : 1:40	
DRAWN BY : Ivan CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666	
DWG NO. : J856-SD-IW-5308 REV. : C	

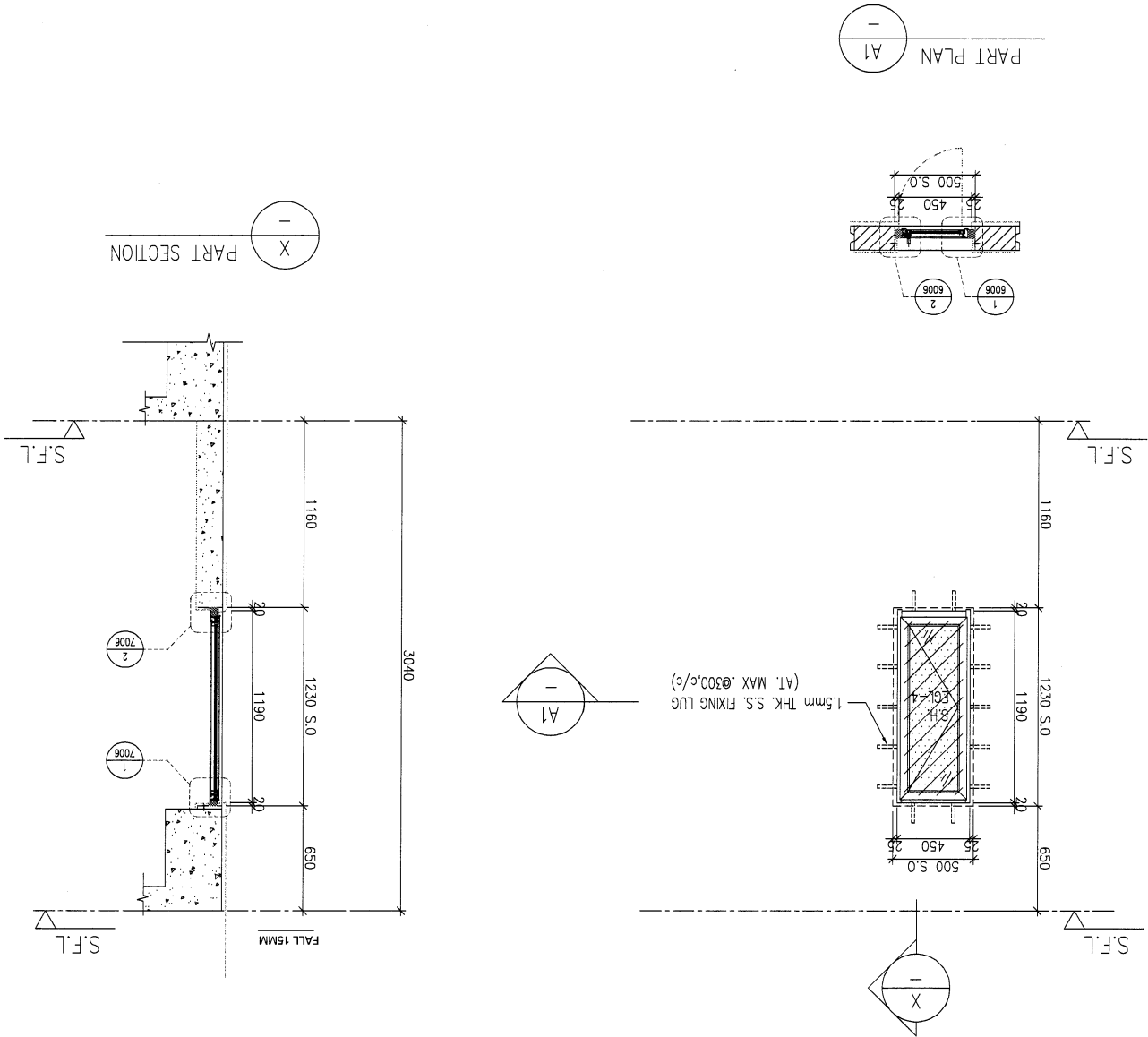


B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
lw&partners architects	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡耀建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 ———— DETAIL MARK NO.	
X001 ———— REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO.: J-856	
PROJECT:	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE:	
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE: 06-Aug-21	
SCALE: 1:40	
DRAWN BY: lvon	
CHECKED BY:	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)2727666	
MIDI ALUMINUM FABRICATOR LTD. 美特鋁質有限公司	
DWG NO.: J856-SD-IW-5309	
REV.: C	

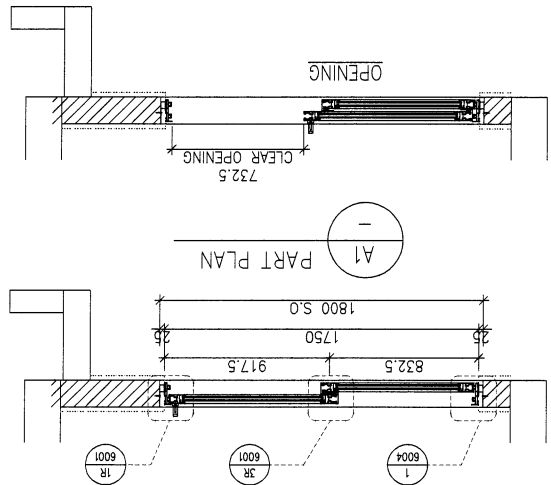
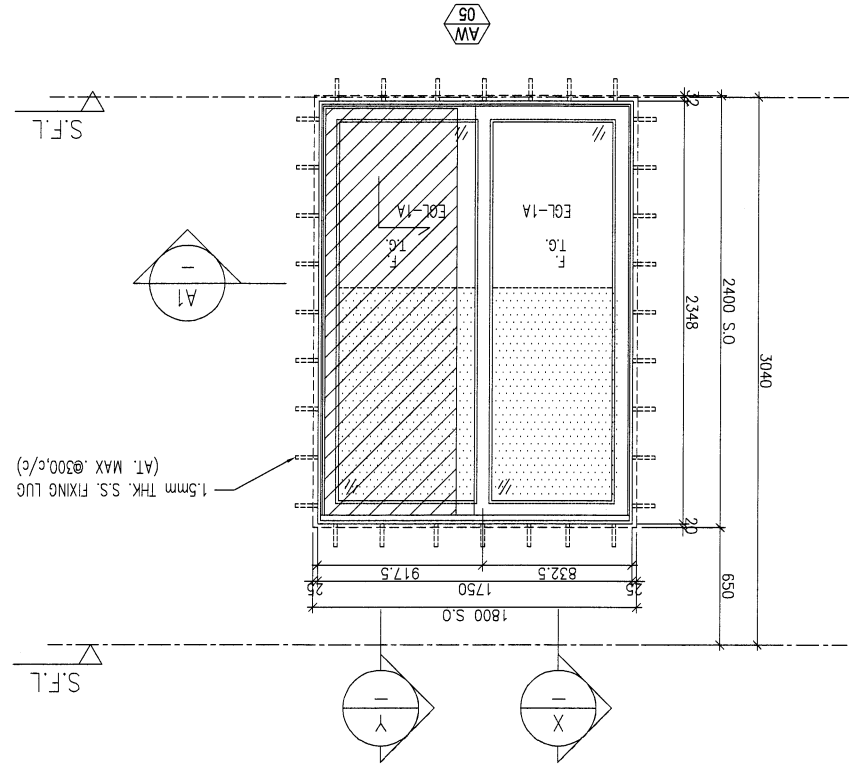
WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AW Obg	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (B10)	50mm ALUM. SECTION	EGL-4	35 Nos.	50mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HHMS-N14)
AW Obg	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (A1 3F ONLY), B1	50mm ALUM. SECTION	EGL-4	35 Nos.	

NO.	DATE	REMOVED	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	WON
B	24/11/2021	REVISION SUBJECT TO ARCH.COMMENT	WON
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	WON
D	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	WON
E	11/11/2022	REVISION SUBJECT TO ARCH.COMMENT	WON

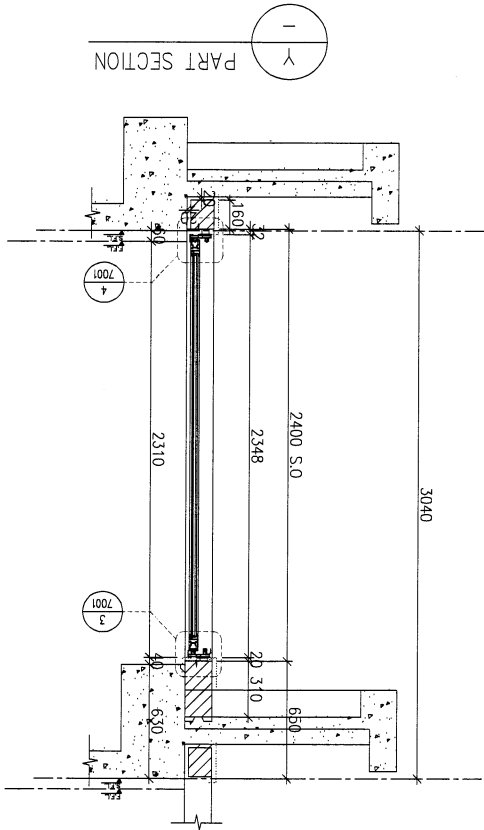
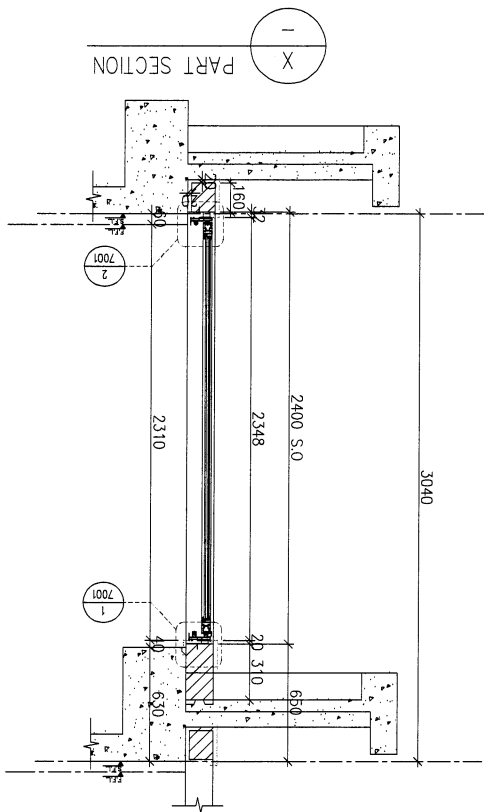
B.O. REF :	
CLIENT :	SUN HUNG KAI  REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	Iw&k&partners a r c h i t e c t s
MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd.  怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED  Steel Structure & Facade Specialist



LOCATION	OPENABLE AREA	GLAZING AREA	1.015	1.116	1.637	1.681
	A1-LIV		1.023	1.129		
	A8-LIV		1.082	1.222		
	REQUIRE				PROVIDED	



WINDOW MARK	05	LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT {A2,A8,A9}	SECTION	70mm ALUM. SECTION	GLAZING	EGL-1A	QUANTITY	35 Nos/35 Nos/35 Nos	REMARKS	FACADE(TYPE 13PF07 FOR 3/F-42/F)
-------------	----	----------	---	---------	--------------------	---------	--------	----------	----------------------	---------	----------------------------------



NO.	DATE	REVISIONS	BY
A	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	WJH
B	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	WJH
C	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	WJH
D	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	WJH
E	11/11/2022	REVISION SUBJECT TO ARCH.COMMENT	WJH

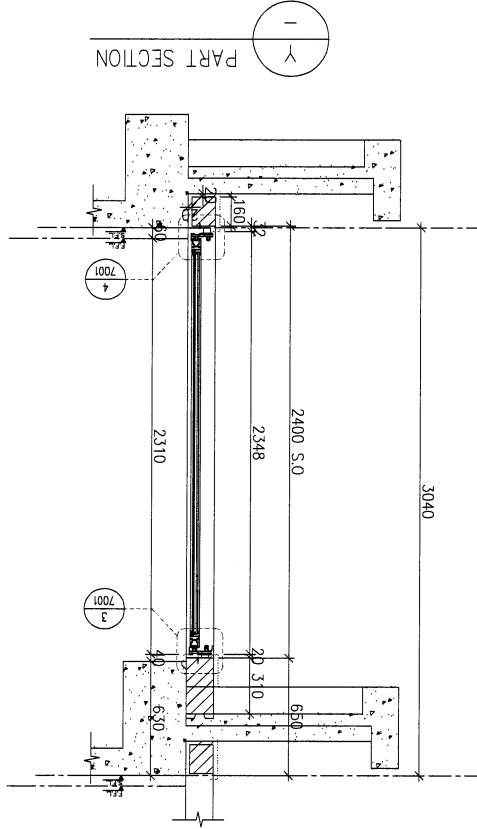
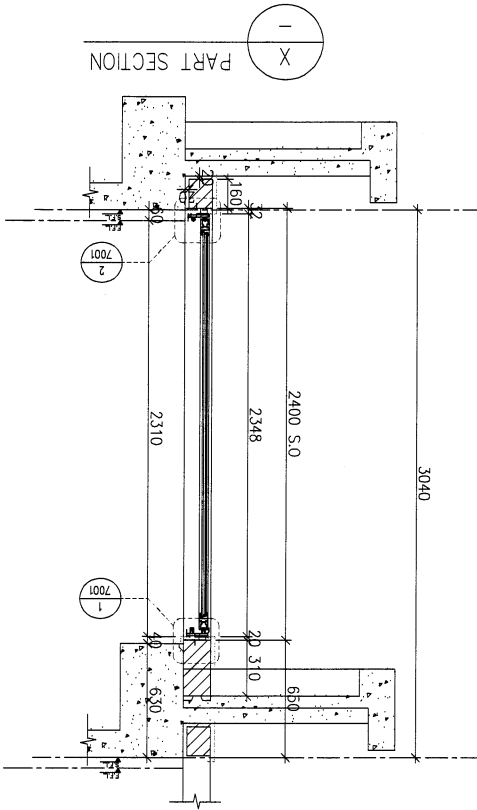
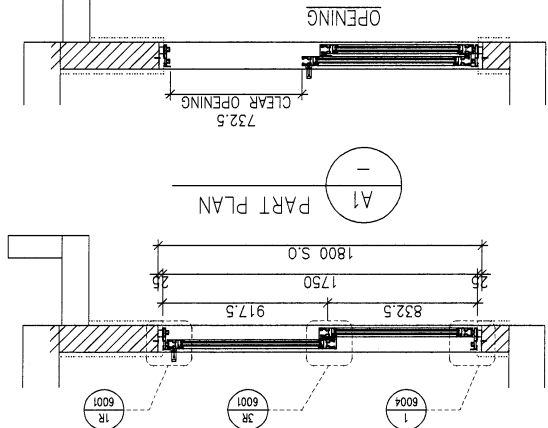
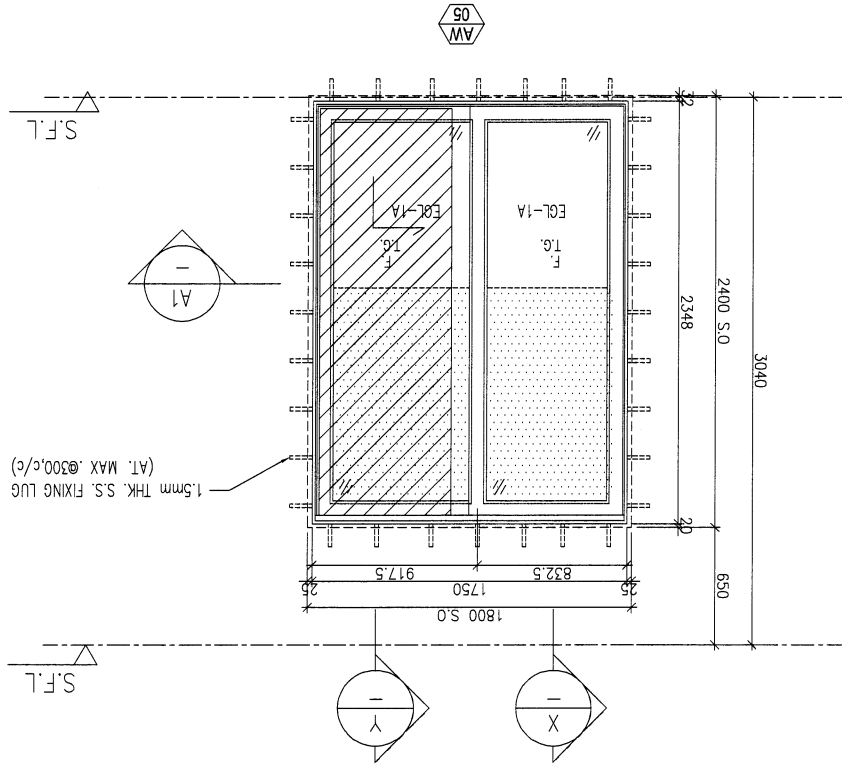
1. F.F.L. -- FINISHED FLOOR LEVEL
2. F.F.L. -- STRUCTURAL FLOOR LEVEL
3. (R) -- REVERSED DETAIL
4. GLASS LEGEND
EGL-1--8mmx12mm AIR GAP+10mmTP THK. I.G.U.
EGL-2--10mm THK. CLEAR TEMPERED GLASS
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
EGL-11--8mmx12mm AIR GAP+8mmTP THK. I.G.U.
BT/BB1-FIXING DETAIL (DWG. NO. FD01)
BB2-FIXING DETAIL (DWG. NO. FD02)

NOTE:
1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

CLIENT :	 SUN HUNG KAI REAL ESTATE AGENCY LTD.
	42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	a r c h i t e c t s Iw&partners
MAIN CONTRACTOR :	 Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FAÇADE CONSULTANT:	α ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist

B.D. REF :

	REQUIRED			B10-LIV	1.001	1.053	
	OPENABLE AREA	N/A		B2-LIV	N/A	N/A	1.681
	GLAZING AREA		1.657				
	PROVIDED						



NO.	DATE	REVISIONS	BY
A	23/11/2021	REVISION SUBJECT TO ARCH.COMMENT	WVN
B	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	WVN
C	28/07/2022	REVISION SUBJECT TO ARCH.COMMENT	WVN
D	26/08/2022	REVISION SUBJECT TO ARCH.COMMENT	WVN
E	11/11/2022	REVISION SUBJECT TO ARCH.COMMENT	WVN

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. BEFORE FABRICATION,

LEGEND:

⑩ DETAIL MARK NO.

⑪ REFER SHEET NO.

1. F.F.L. — FINISHED FLOOR LEVEL
2. S.F.L. — STRUCTURAL FLOOR LEVEL
3. ⌀ — REVERSED DETAIL

4. GLASS LEGEND

EG-1 — 8mmHS+12mm AIR GAP+10mmTP THK. LG.U.

EG-2 — 10mm THK. CLEAR TEMPERED GLASS

EG-4 — 4-10mm THK. TEMPERED ACID ETCHED GLASS

EG-15 — 15mmHS+12mm AIR GAP+8mmTP THK. LG.U.

BT/1/BS1-FIXING DETAIL (DWG. NO. 'FD01')

BS2-KLIND DETAIL (DWG. NO. 'FD02')

α ALPHA CONSULTING LIMITED
Steel Structure & Facade Specialist
FACADE CONSULTANT:

ARUP
STRUCTURAL ENGINEER :

S K Yee Fai Building Contractors Ltd.
怡輝建築有限公司
MAIN CONTRACTOR :

Iw&partners
a r c h i t e c t s
ARCHITECT :

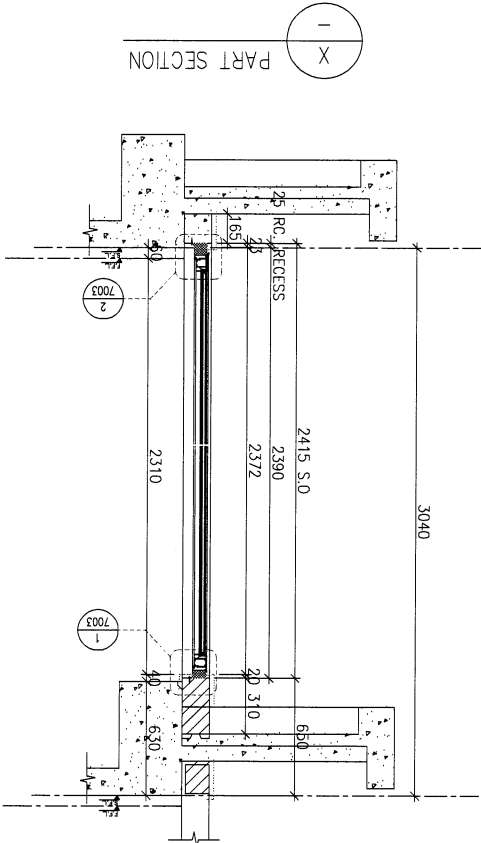
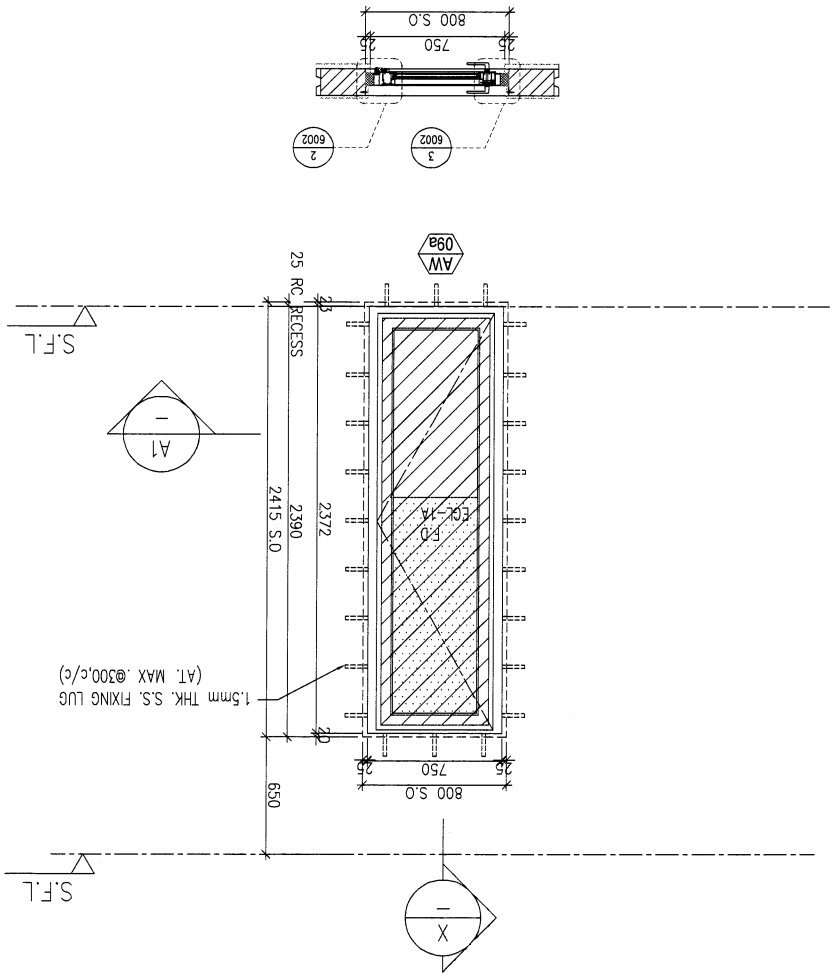
S K SUN HUNG KAI
REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
CLIENT :

B.D. REF :

DATE : 02-Aug-21	SCALE : 1:40	CHECKED BY :	 美特铝貿有限公司 ALUMINIUM FABRICATOR LTD.	Units 6-8, Sunray Industrial Centre, 1/F 10 Chiu Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27772666	DWG NO. : J856-SD-IW-5313 REV. : E
------------------	--------------	--------------	--	---	---------------------------------------

WINDOW MARK	AW	05	
LOCATION	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (B3, B11)		
SECTION	70mm ALUM. SECTION		
GLAZING	EGL-1A		
QUANTITY	35 Nos/ 35 Nos		
REMARKS	FACADE(TYPE TJPF11 FOR 3/F-42/F)		

	REQUIRE		
LOCATION	OPENABLE AREA	GLAZING AREA	0.464
B3-MBR			0.257
A15-KIT			0.411
PROVIDED			
OPENABLE AREA			1.357
GLAZING AREA			0.561



ELEVATION

WINDOW MARK	AW 09a
LOCATION	3/F UNIT B10
SECTION	70mm ALUM. SECTION
GLAZING	EGL-2
QUANTITY	(1No.)
REMARKS	

JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 06-Aug-21	SCALE : 1:40
DRAWN BY : Ivan	CHECKED BY :
Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666 MIDI ALUMINIUM FABRICATOR LTD. 美特鋁質有限公司	
DWG NO. : J856-SD-IW-5314	
REV. : D	

NO.	DATE	REVISED	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	ivan
B	13/01/2022	REVISION SUBJECT TO ARCH.COMMENT	ivan
C	22/06/2022	REVISION SUBJECT TO ARCH.COMMENT	ivan
D	11/11/2022	REVISION SUBJECT TO ARCH.COMMENT	ivan

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

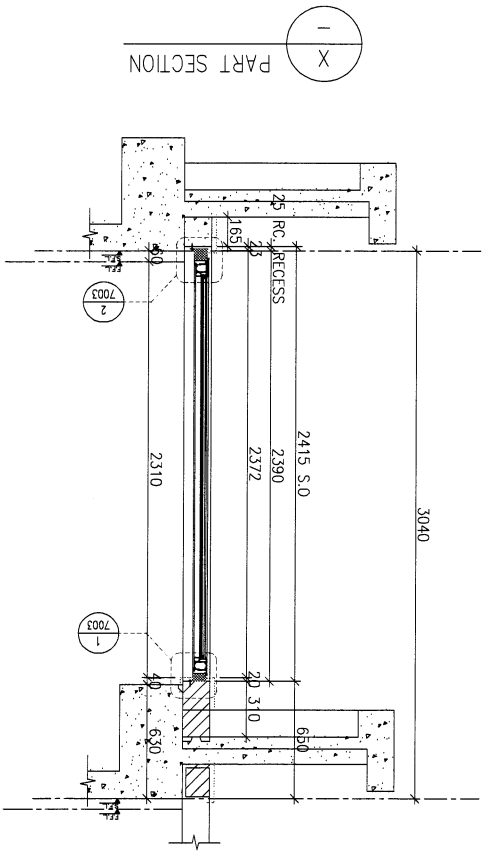
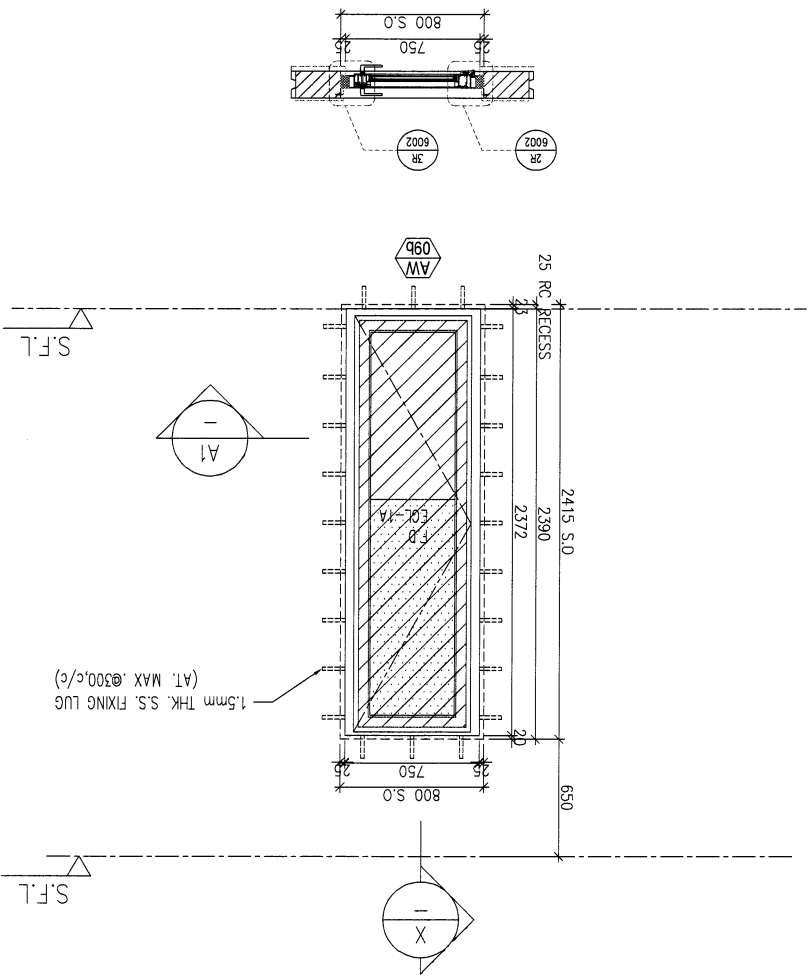
- xi DETAIL MARK NO.
- x001 REFER SHEET NO.

1. F.F.L.--FINISHED FLOOR LEVEL
2. S.F.L.--STRUCTURAL FLOOR LEVEL
3. (X) -- REVERSED DETAIL
4. GLASS LEGEND
- EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
- EGL-2--10mm THK. CLEAR TEMPERED GLASS
- EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
- EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
- BT1/BB1-FIXING DETAIL (DWG. NO. FD01)
- BB2-FIXING DETAIL (DWG. NO. FD02)

CLIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	lw&partners
MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

B.D. REF :

REQUIRE		PROVIDED	
LOCATION	OPENABLE AREA	OPENABLE AREA	GLAZING AREA
B1-MBR	0.464	0.742	1.357
B8-MBR	0.452	0.732	1.501
(AM01&AM09b)		1.256	1.501



ELEVATION

WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AM09b	3/F UNIT (A1,B1,B5,B6)	70mm ALUM. SECTION	EGL-1A	1 No. / 1 No. / 1 No.	

CLIENT :

SUN HUNG KAI REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT :

lw&partners
architects

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.
怡輝建築有限公司

STRUCTURAL ENGINEER :

ARUP

FAÇADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Façade Specialist

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND:
X1 DETAIL MARK NO.
X007 REFER SHEET NO.
1. F.F.L.--FINISHED FLOOR LEVEL
2. S.F.L.--STRUCTURAL FLOOR LEVEL
3. Ⓢ --REVERSED DETAIL
4. GLASS LEGEND
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-2--10mm THK. CLEAR TEMPERED GLASS
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
B1/B8-1-FIXING DETAIL (DWG. NO. FD01)
B8-2-FIXING DETAIL (DWG. NO. FD02)

JOB NO. :

J-856

PROJECT :

PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.

TITLE :

WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW

DATE :

06-Aug-21

SCALE :

1:40

DRAWN BY :

lvgn

CHECKED BY :

Units 6-8, Sunray Industrial Centre, 1/F
610 Chai Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27272666
MIDI ALUMINIUM FABRICATOR LTD.
美特鋁質有限公司

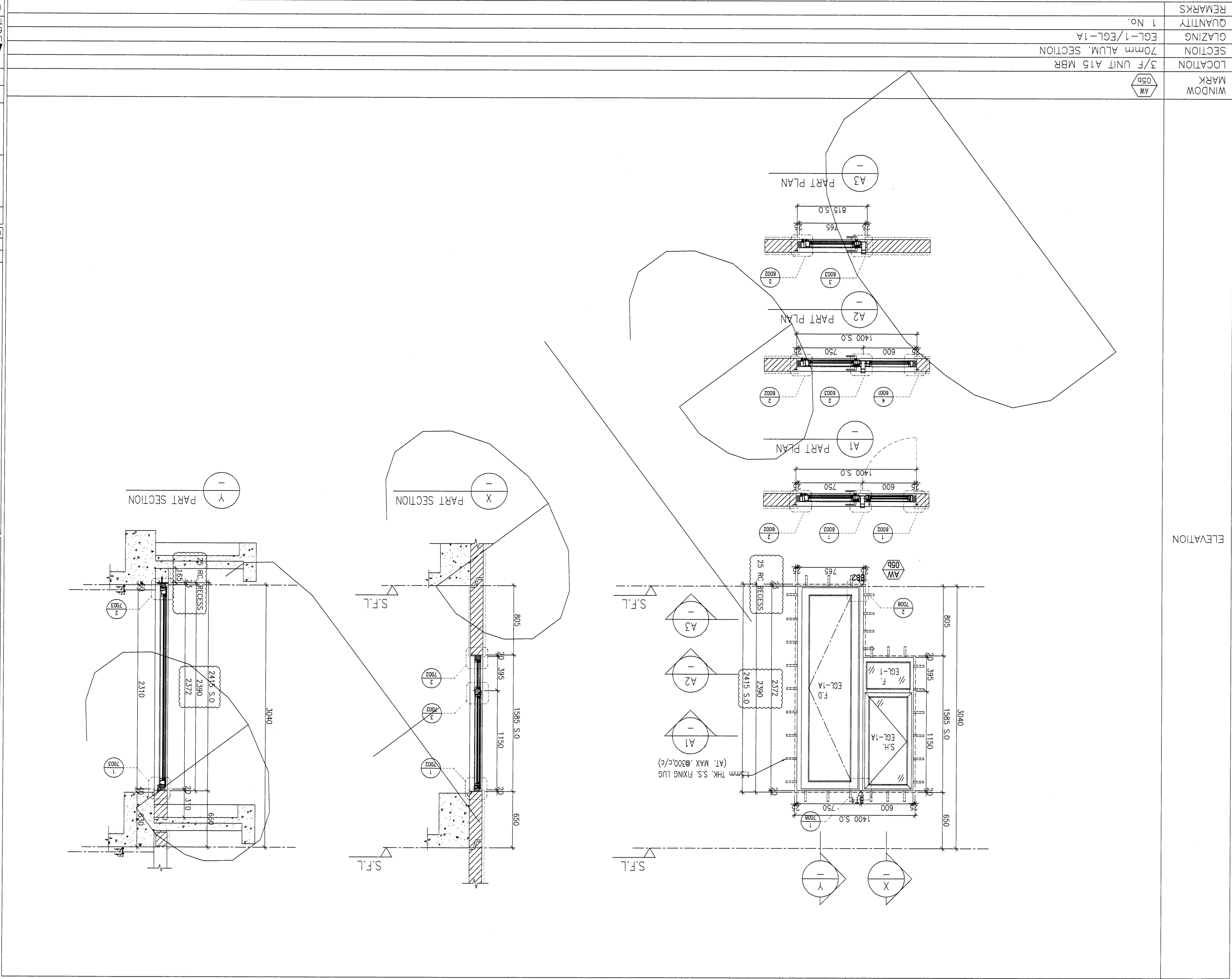
DWG NO. :

J856-SD-IW-5315

REV. :

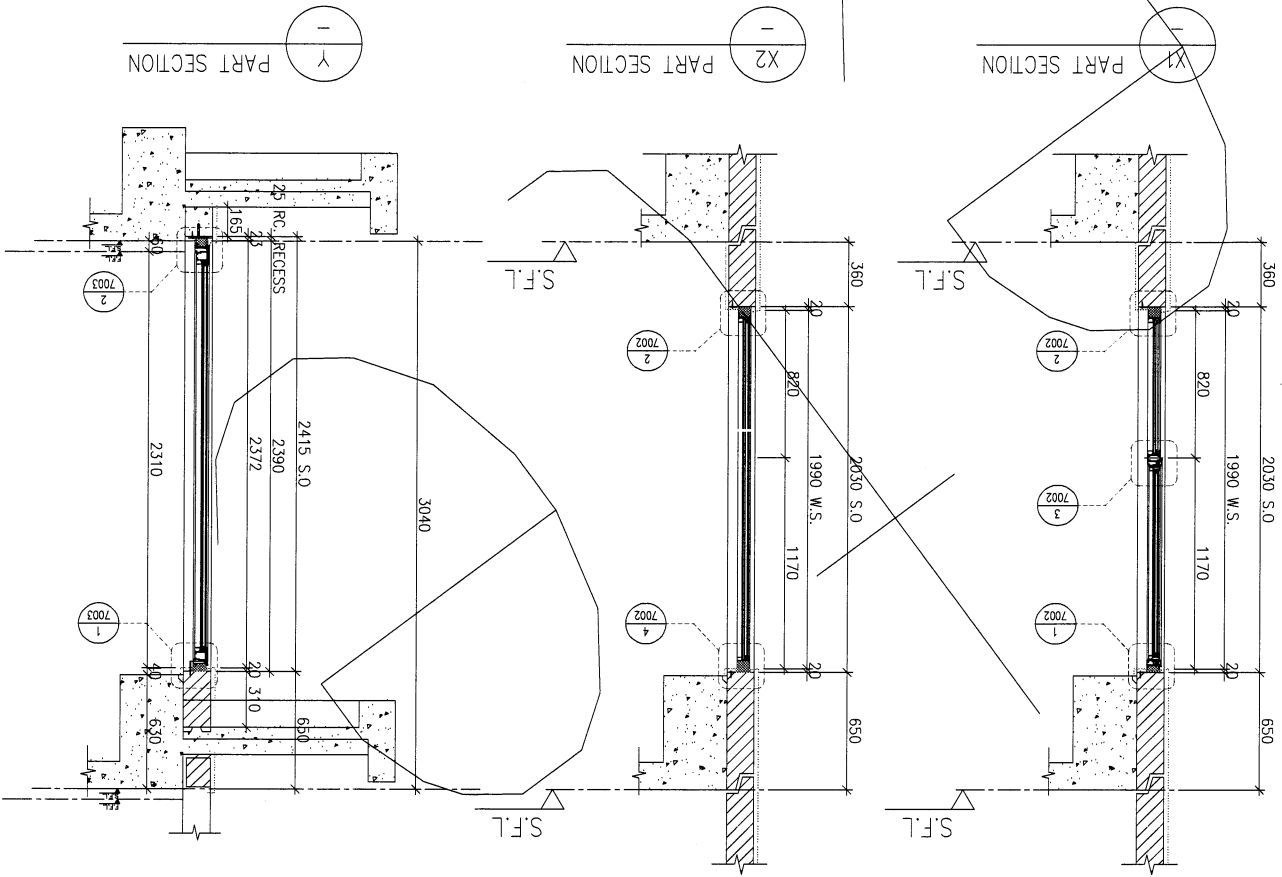
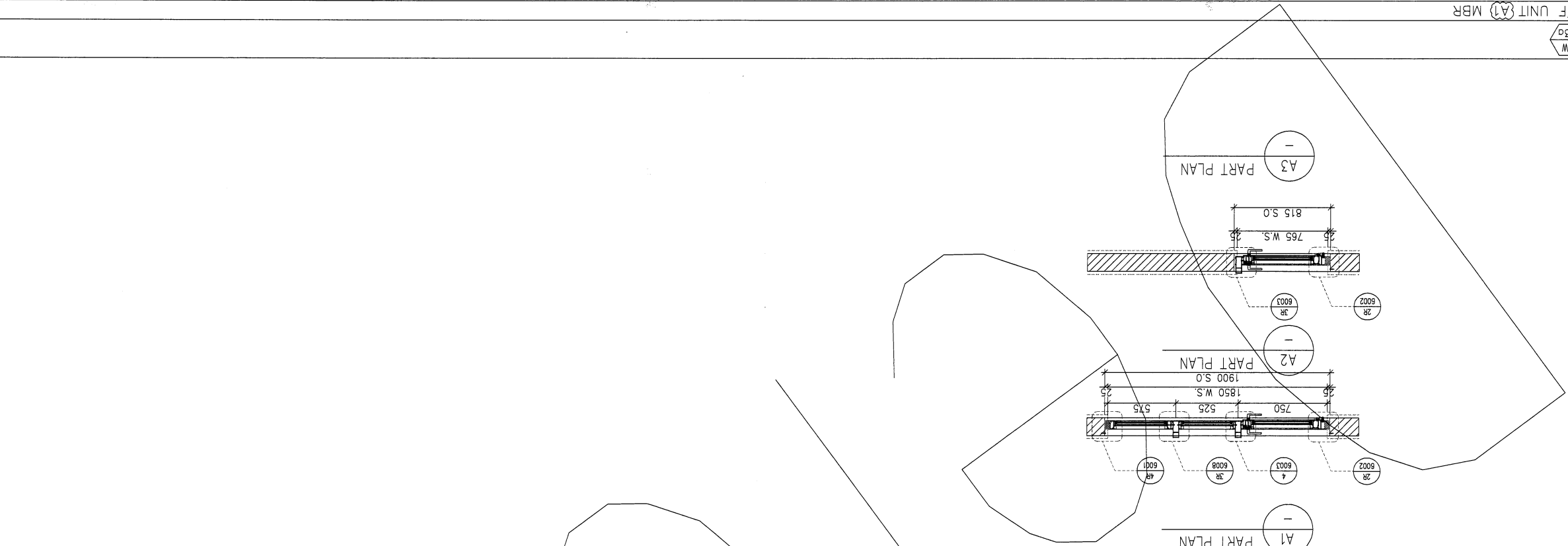
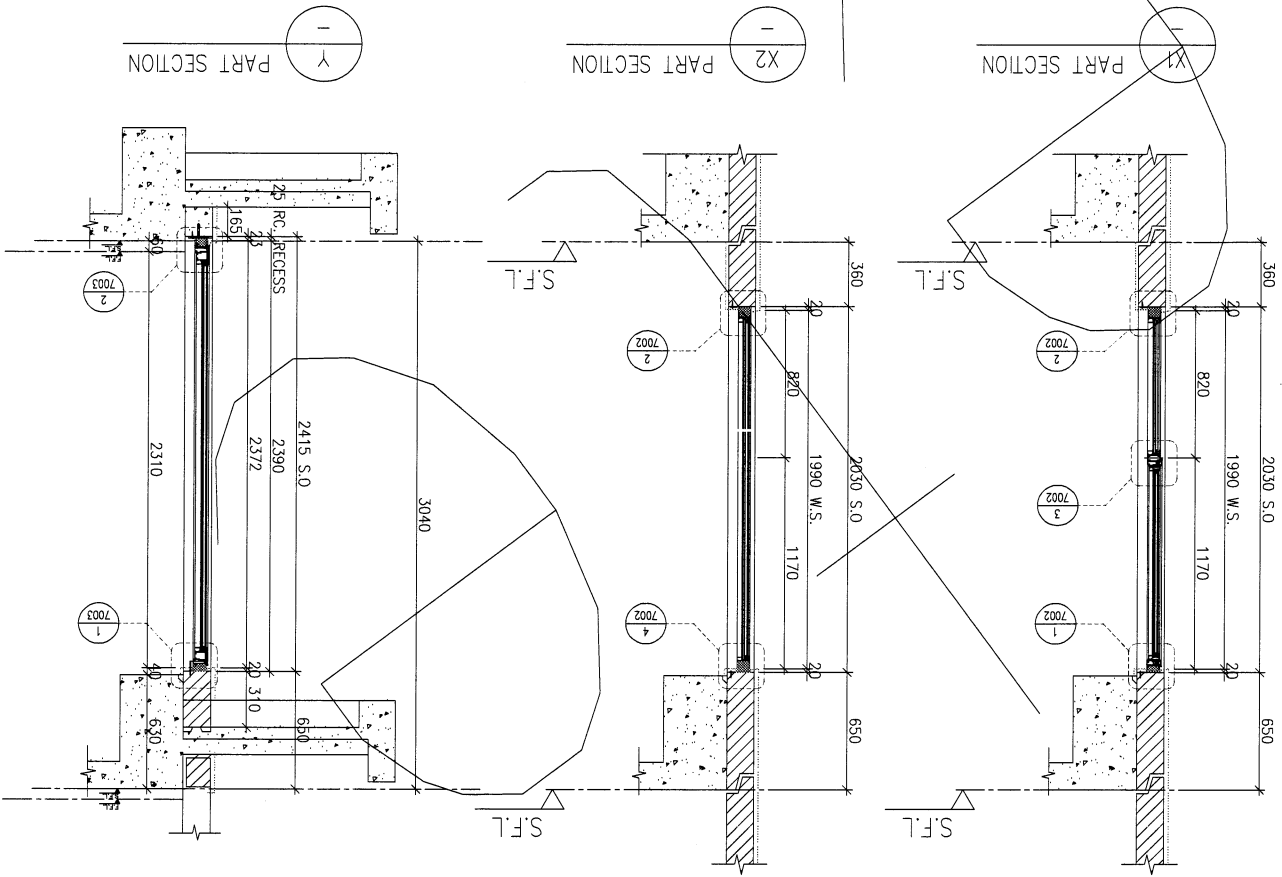
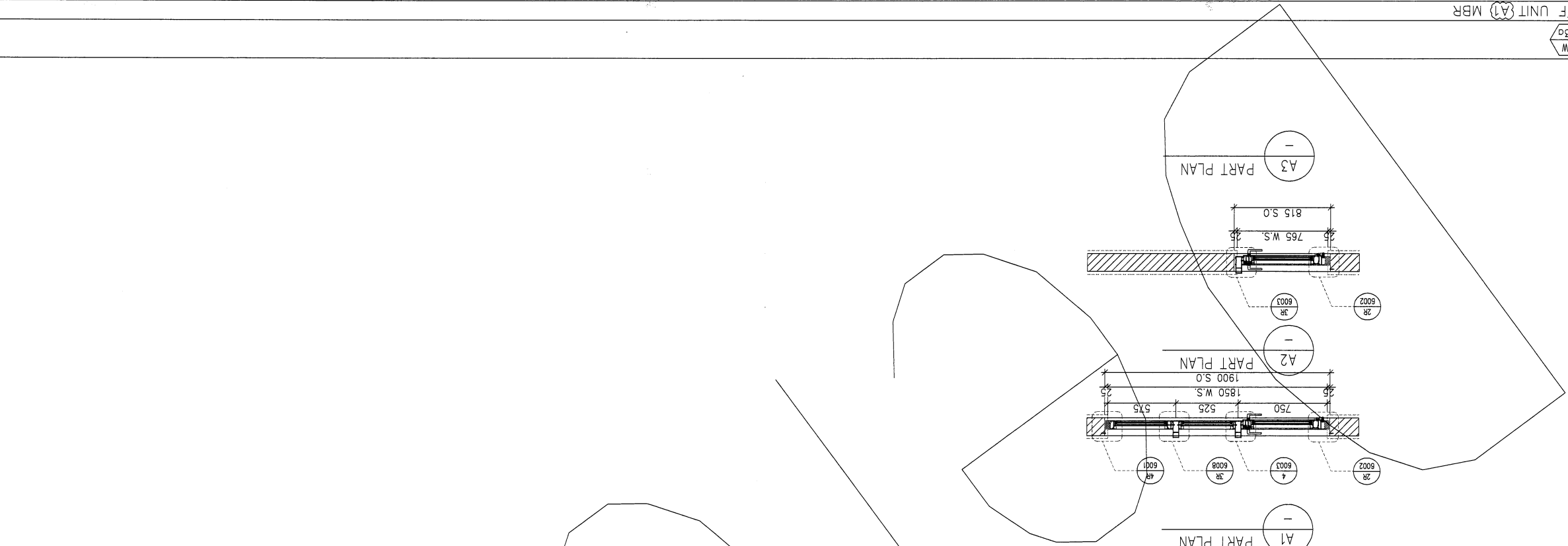
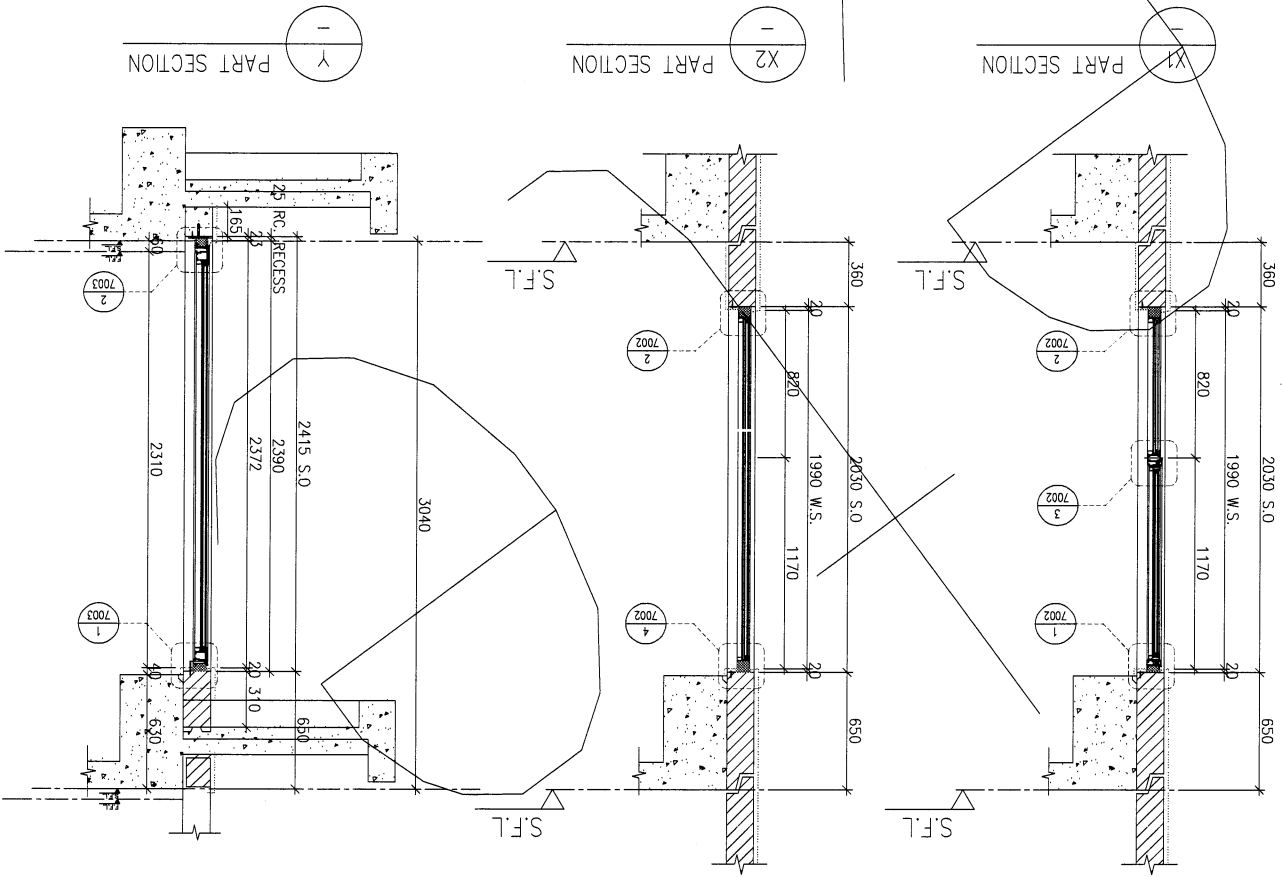
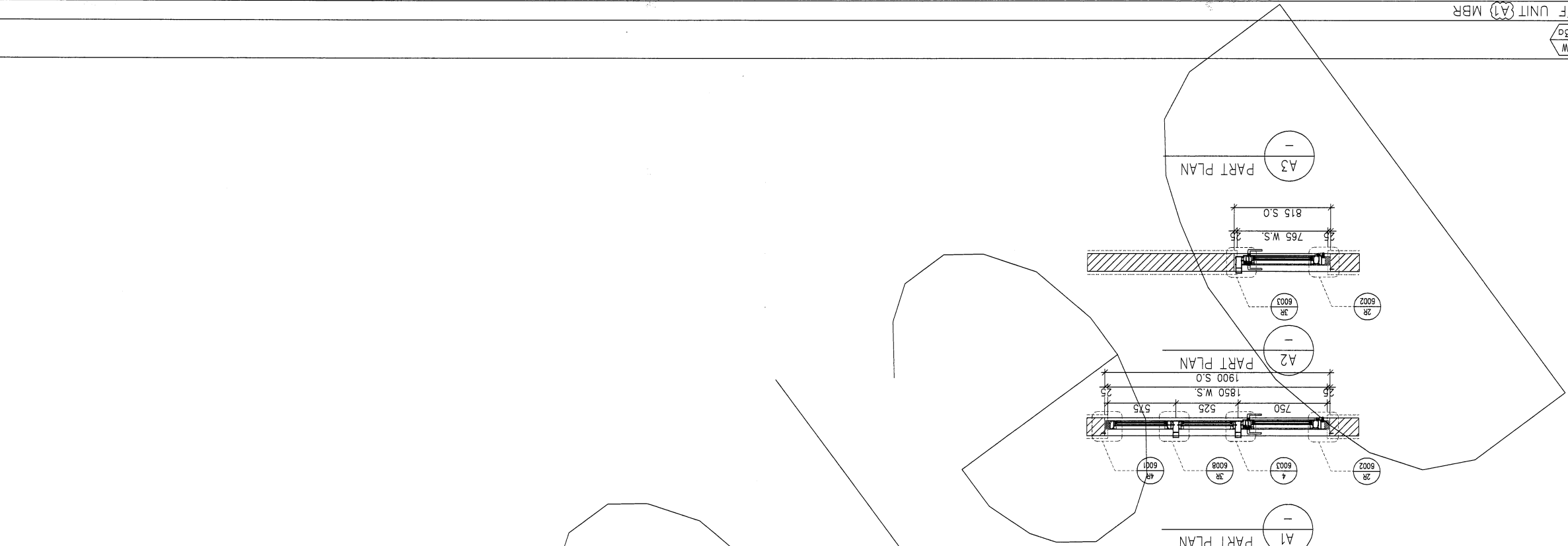
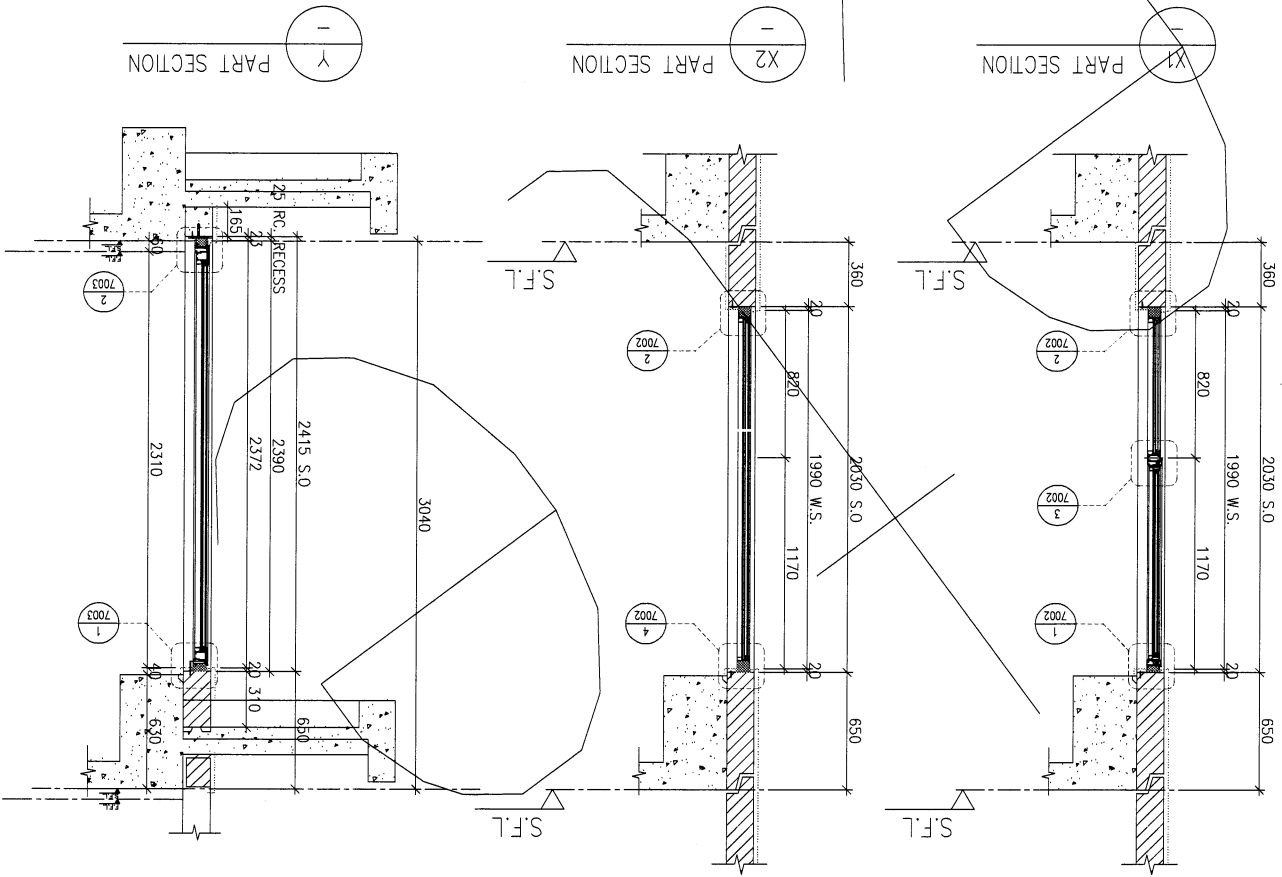
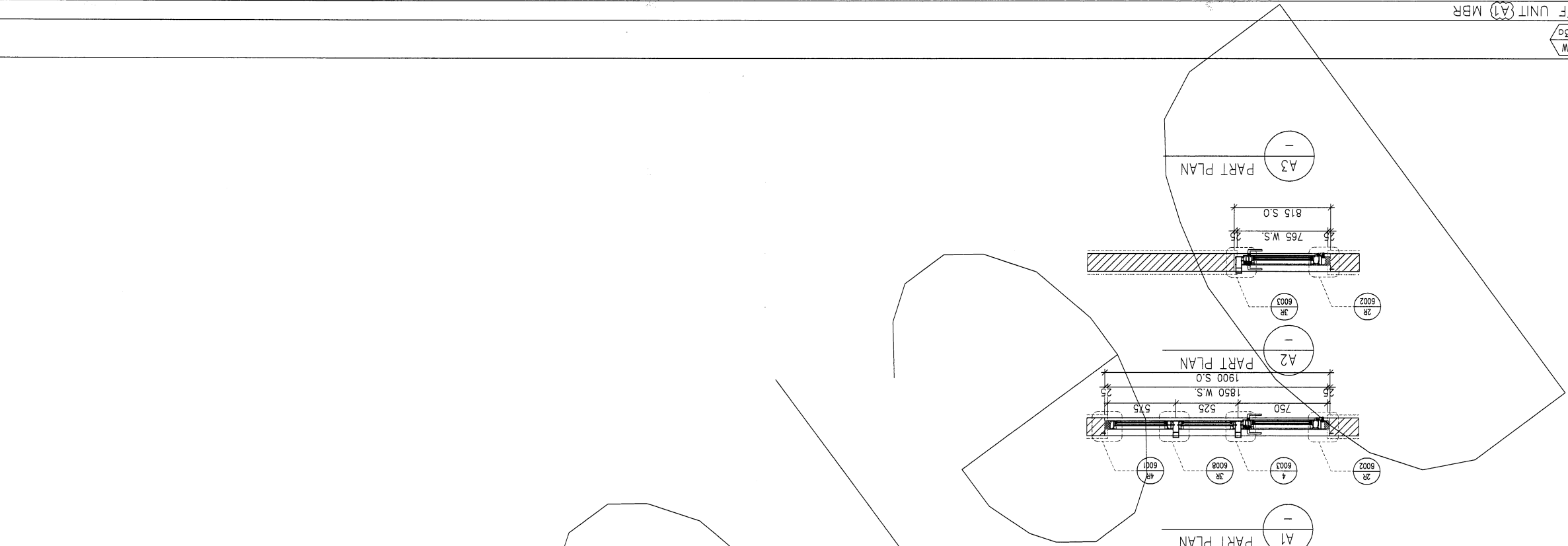
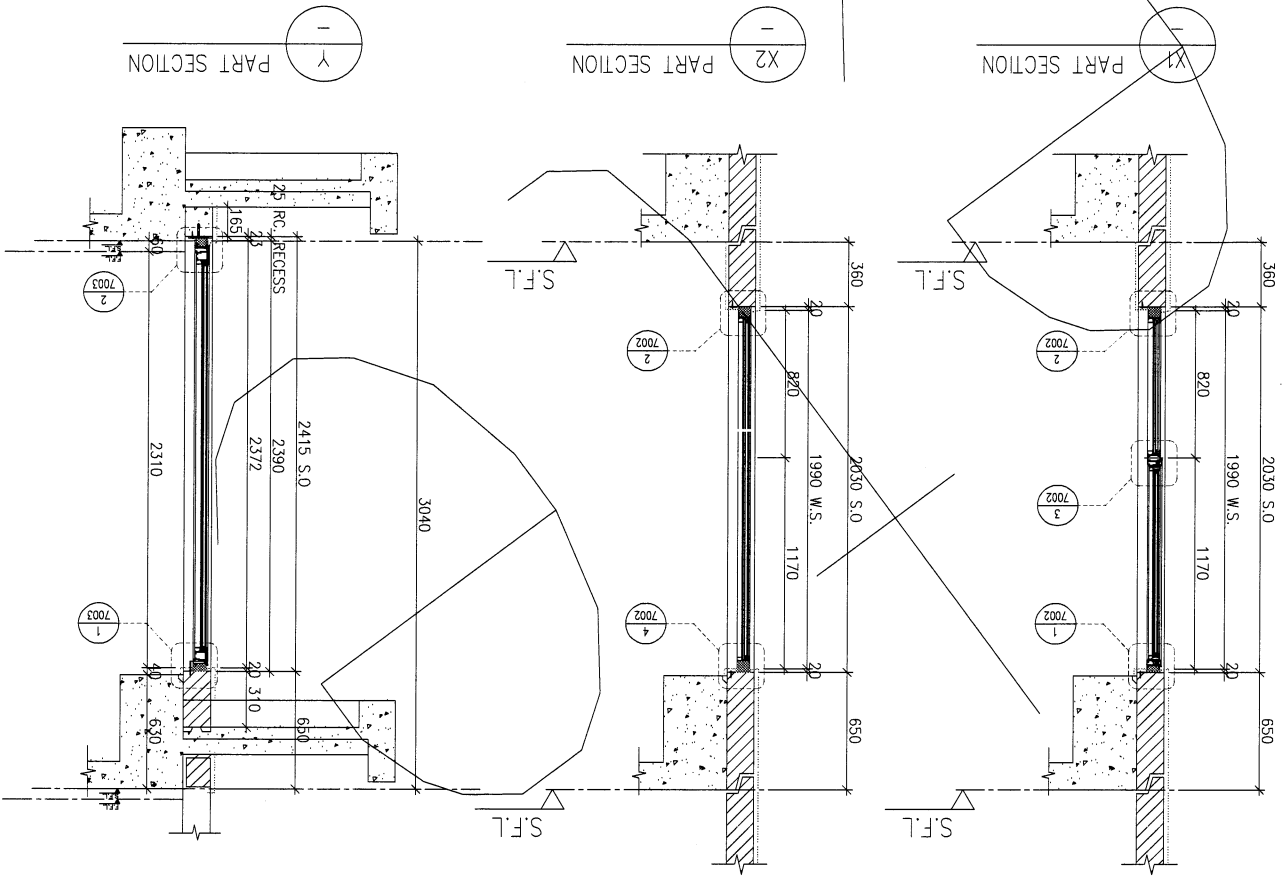
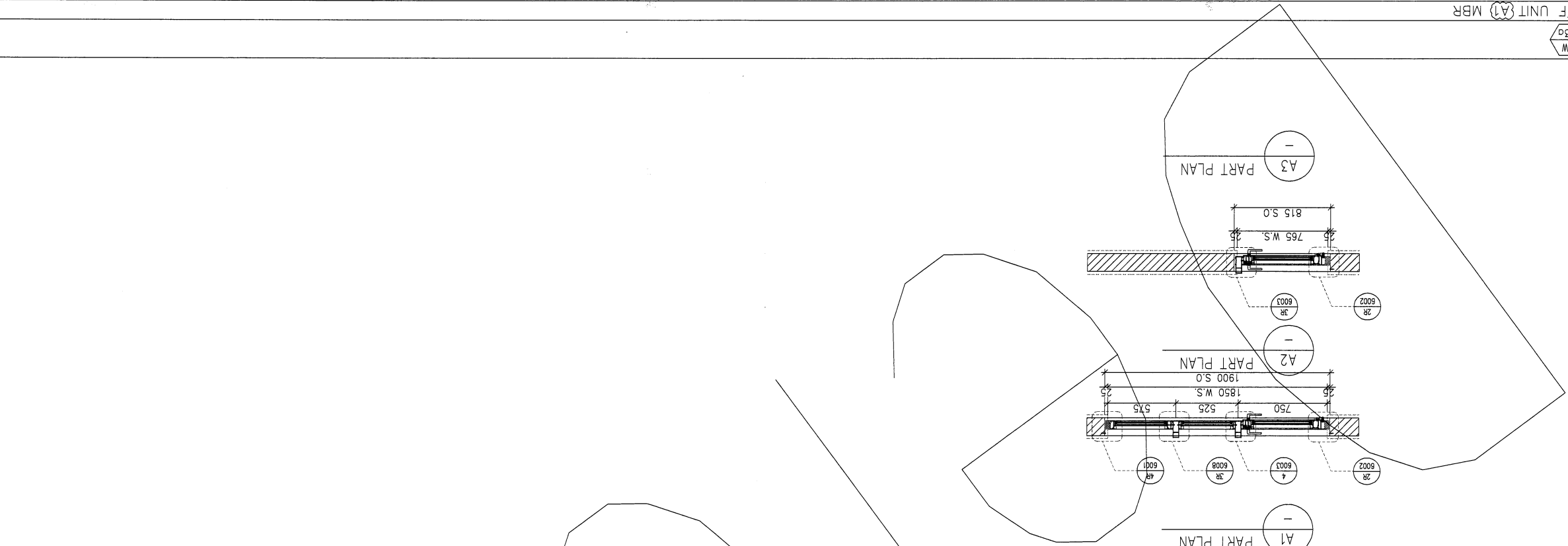
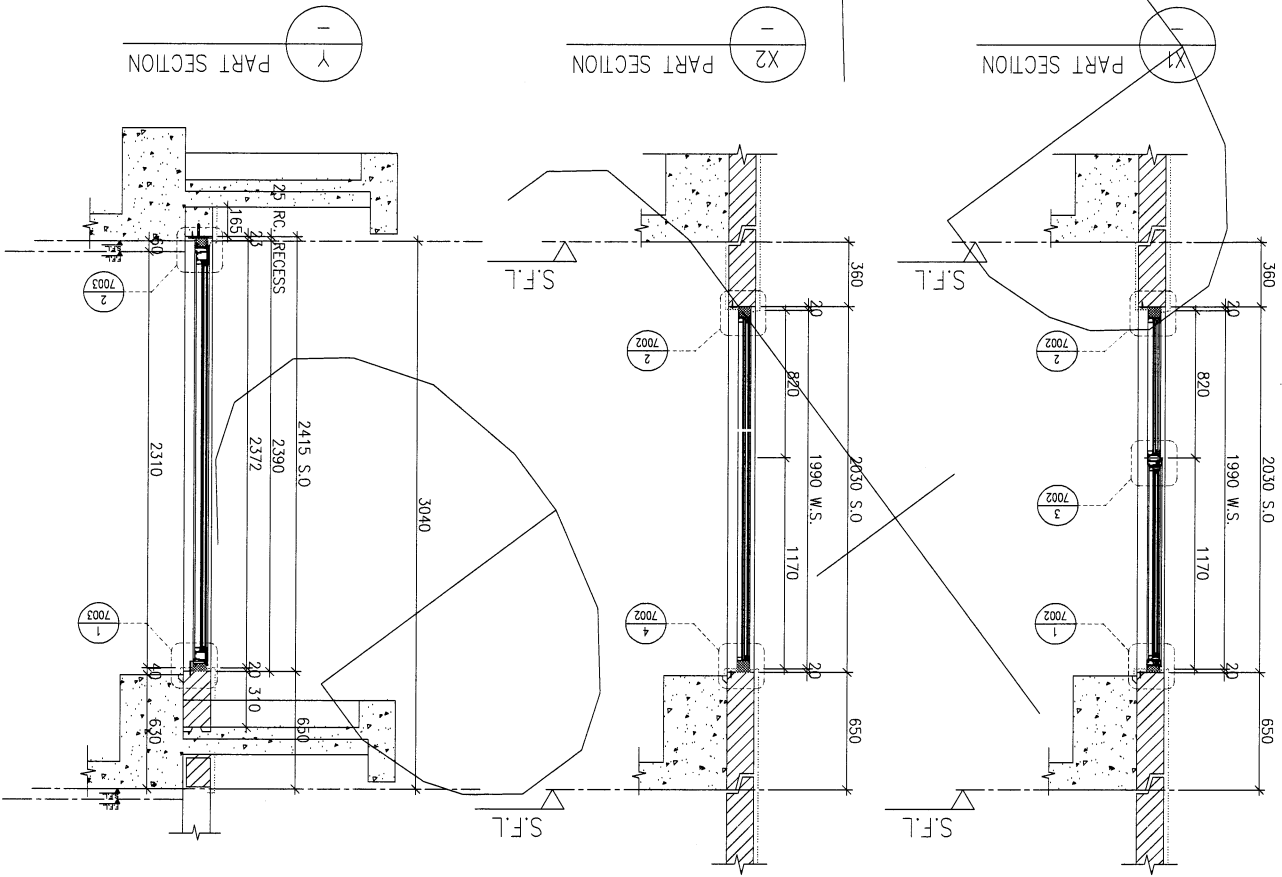
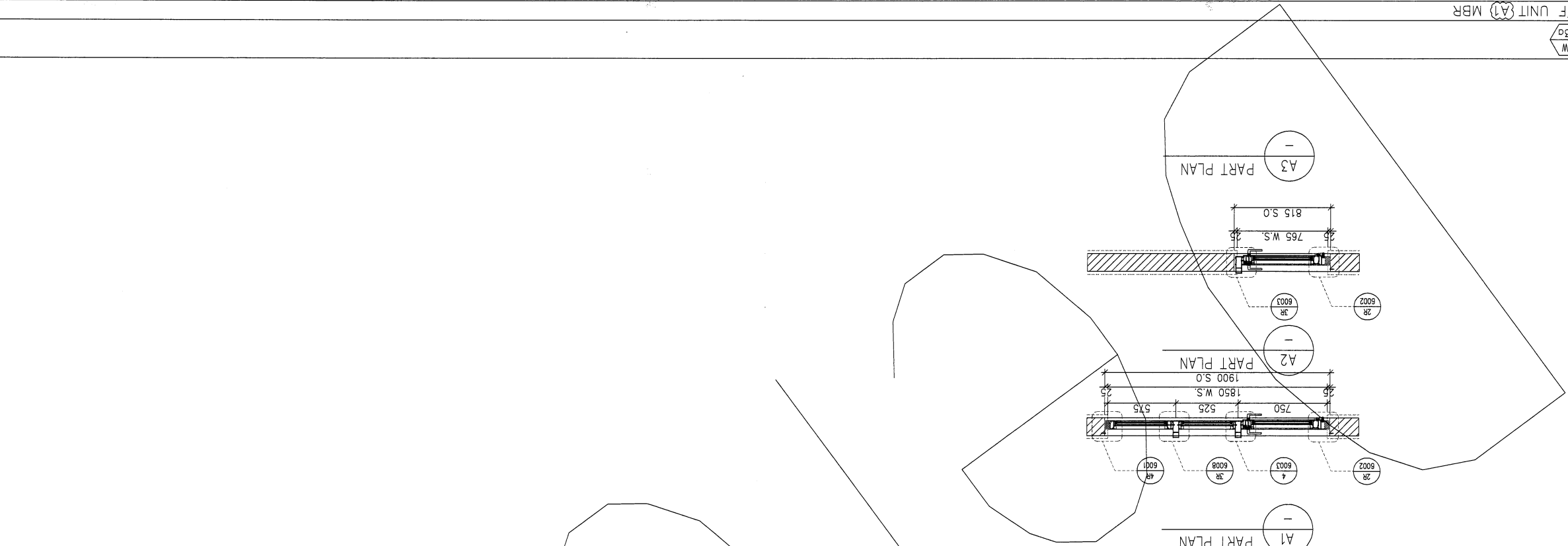
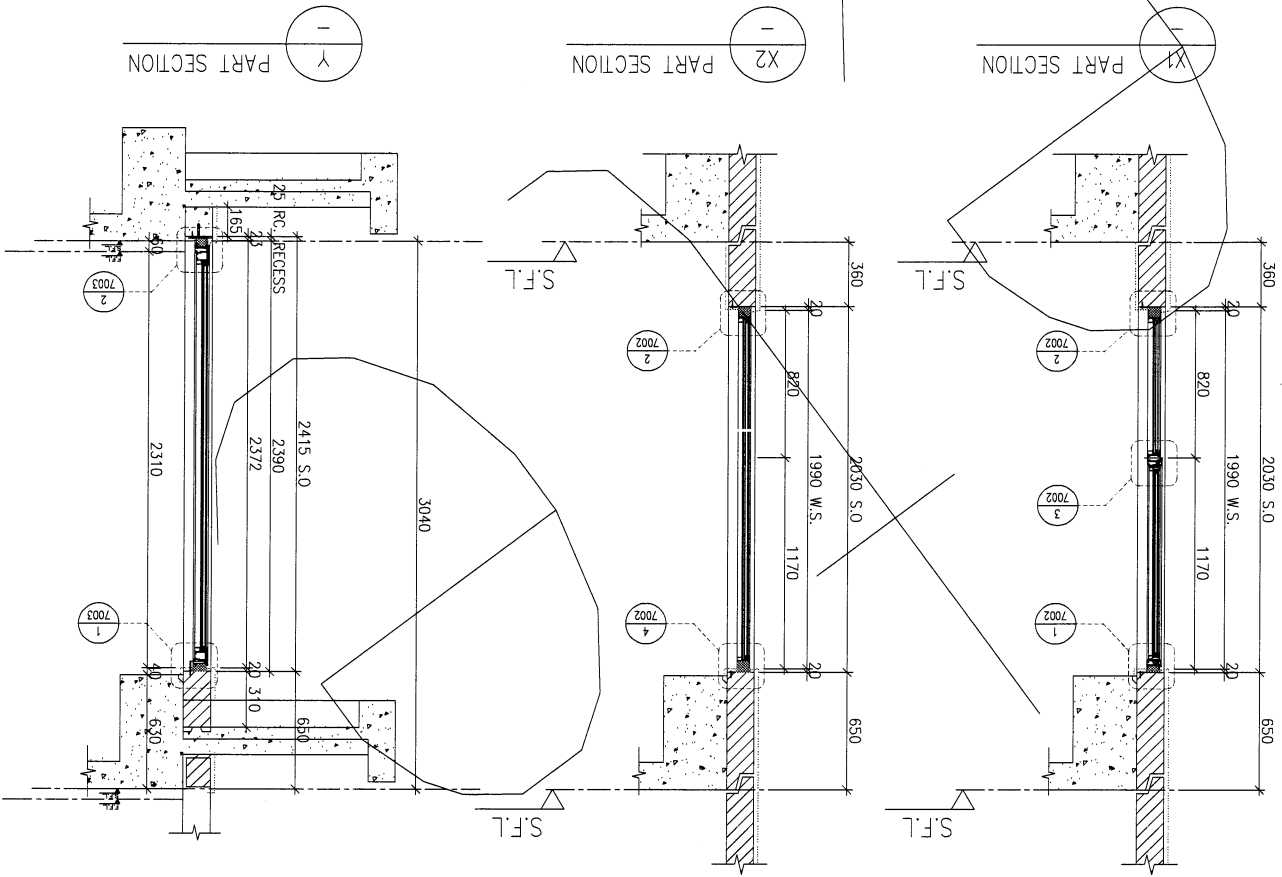
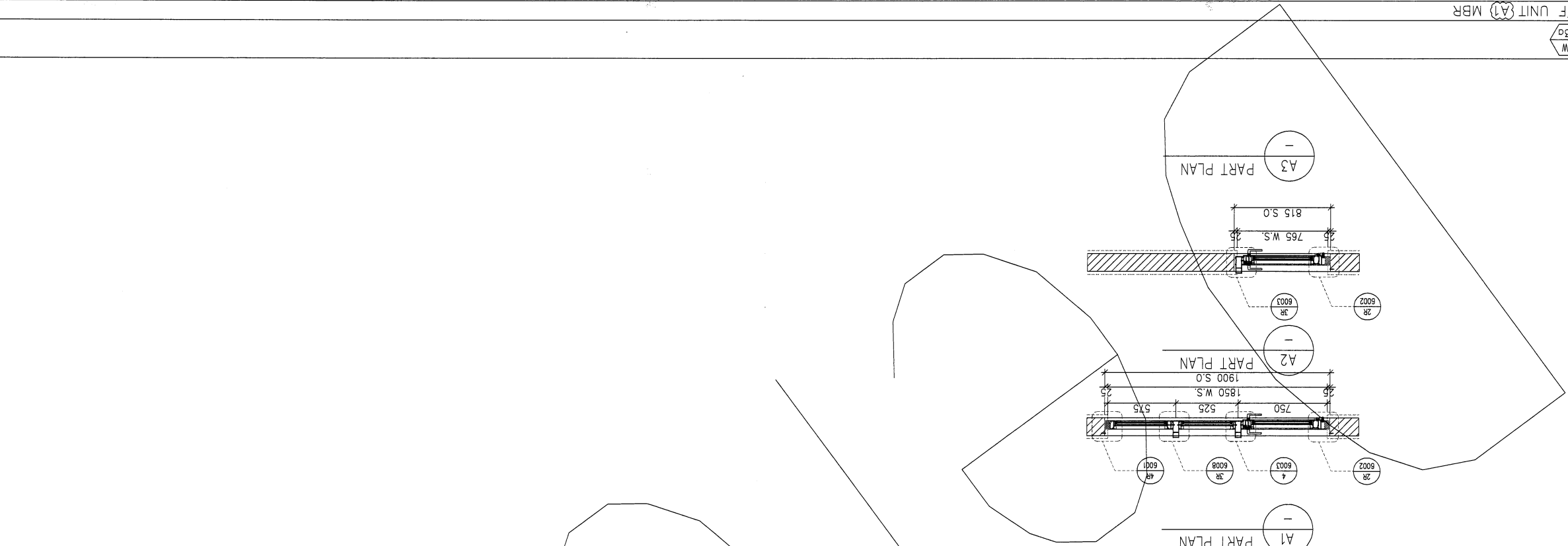
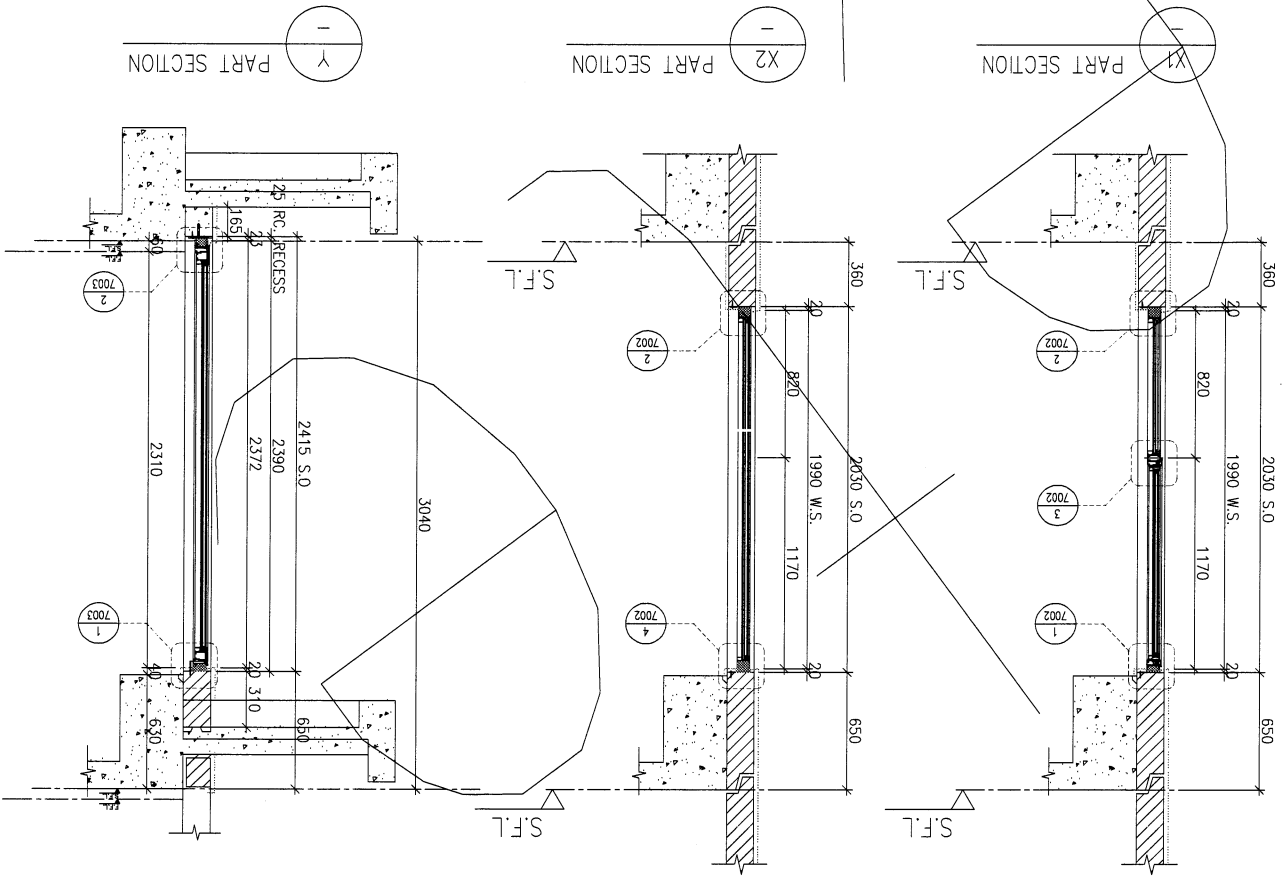
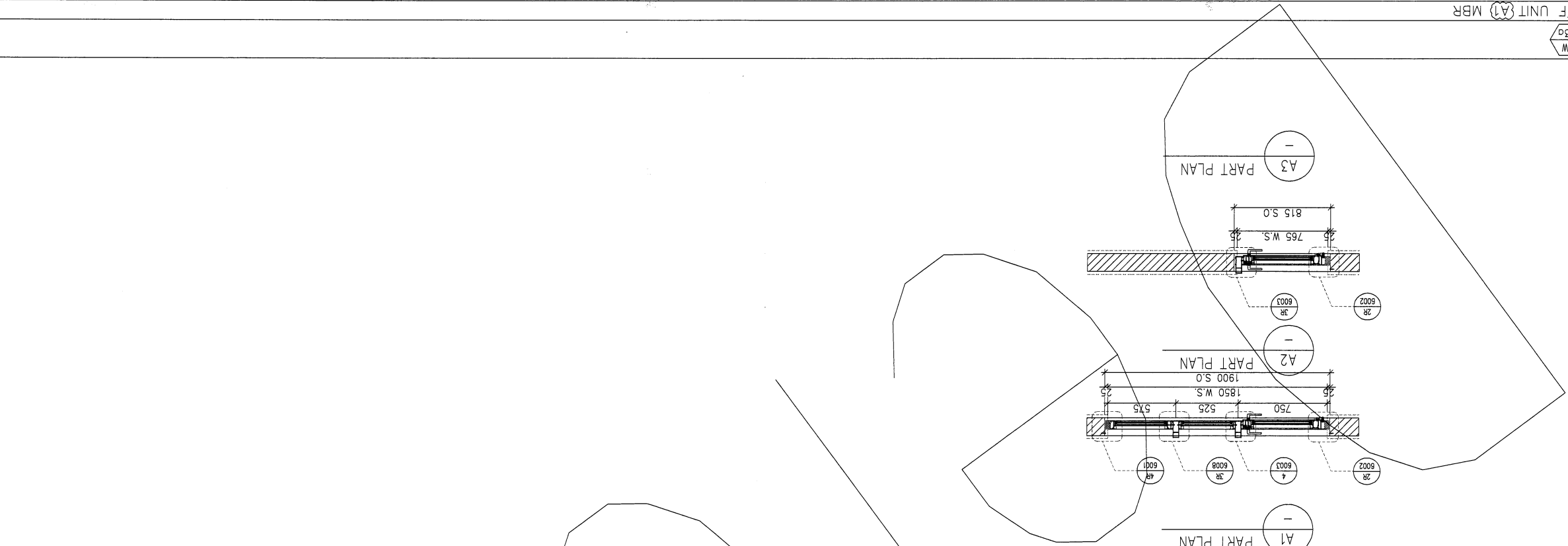
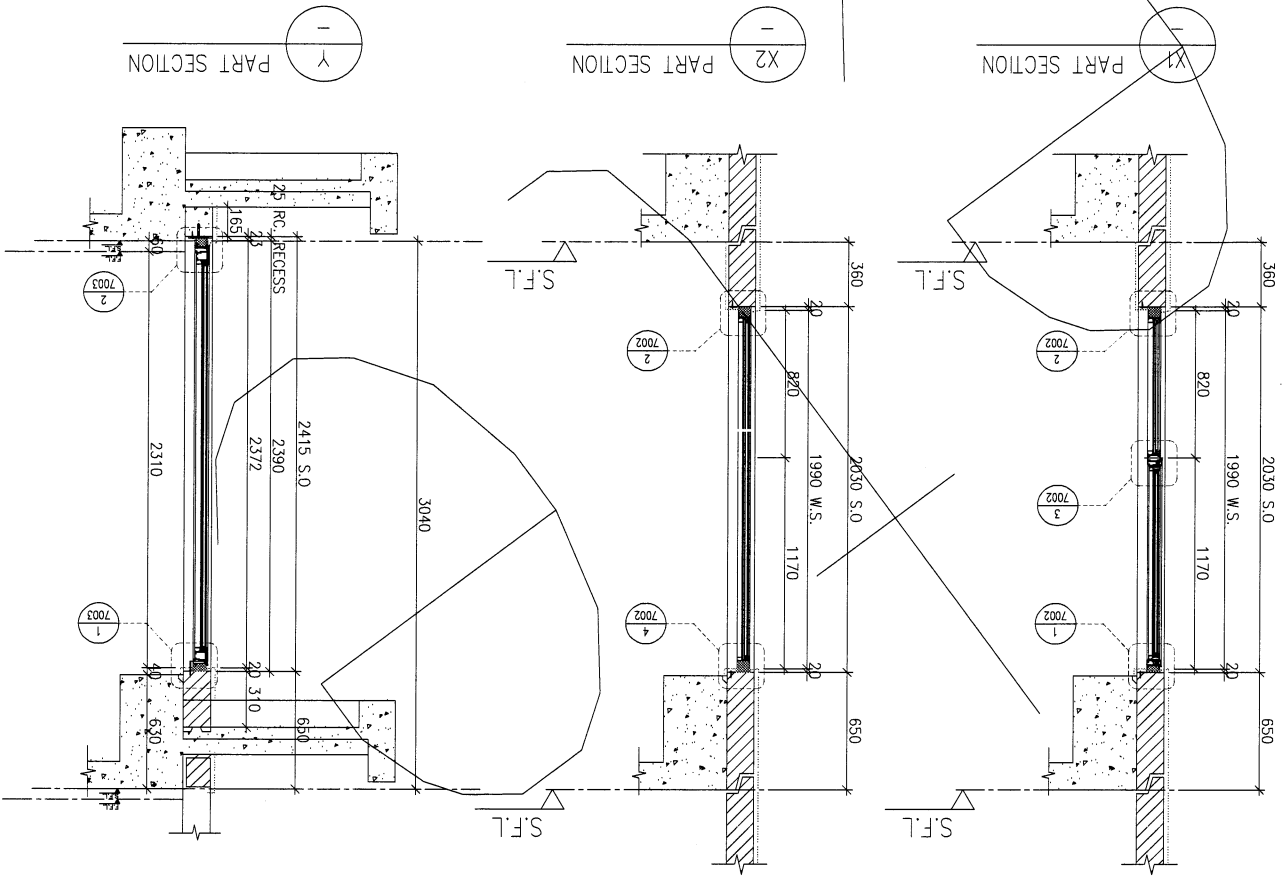
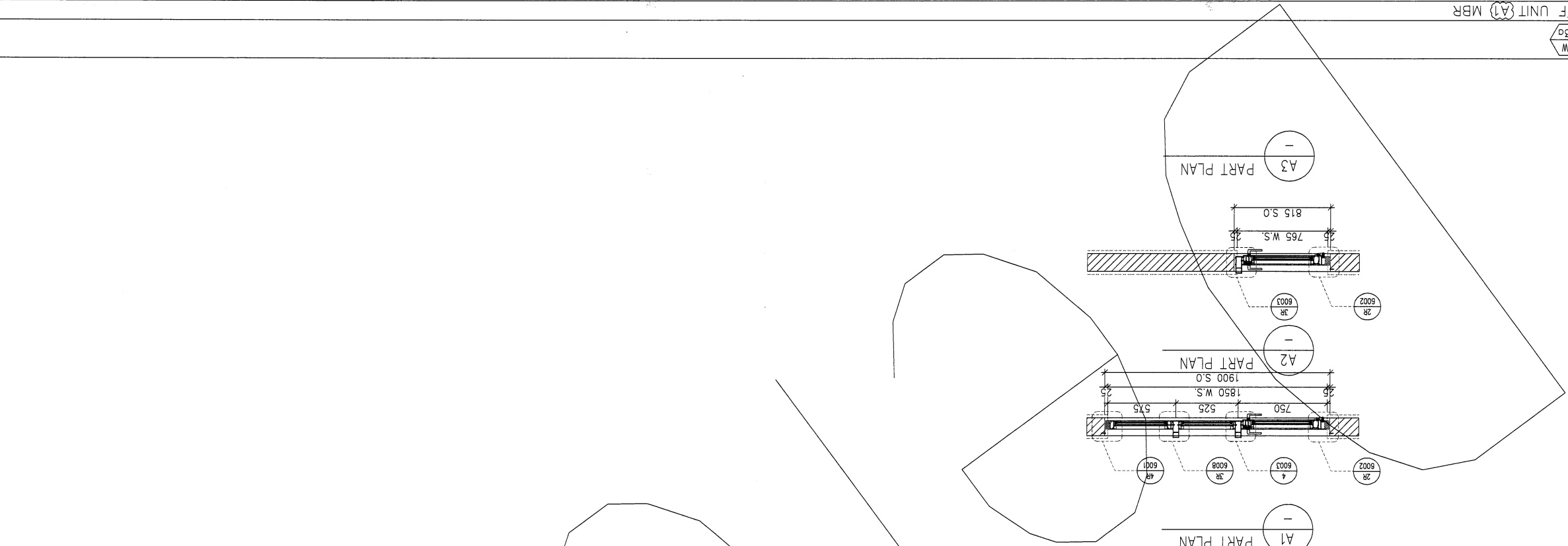
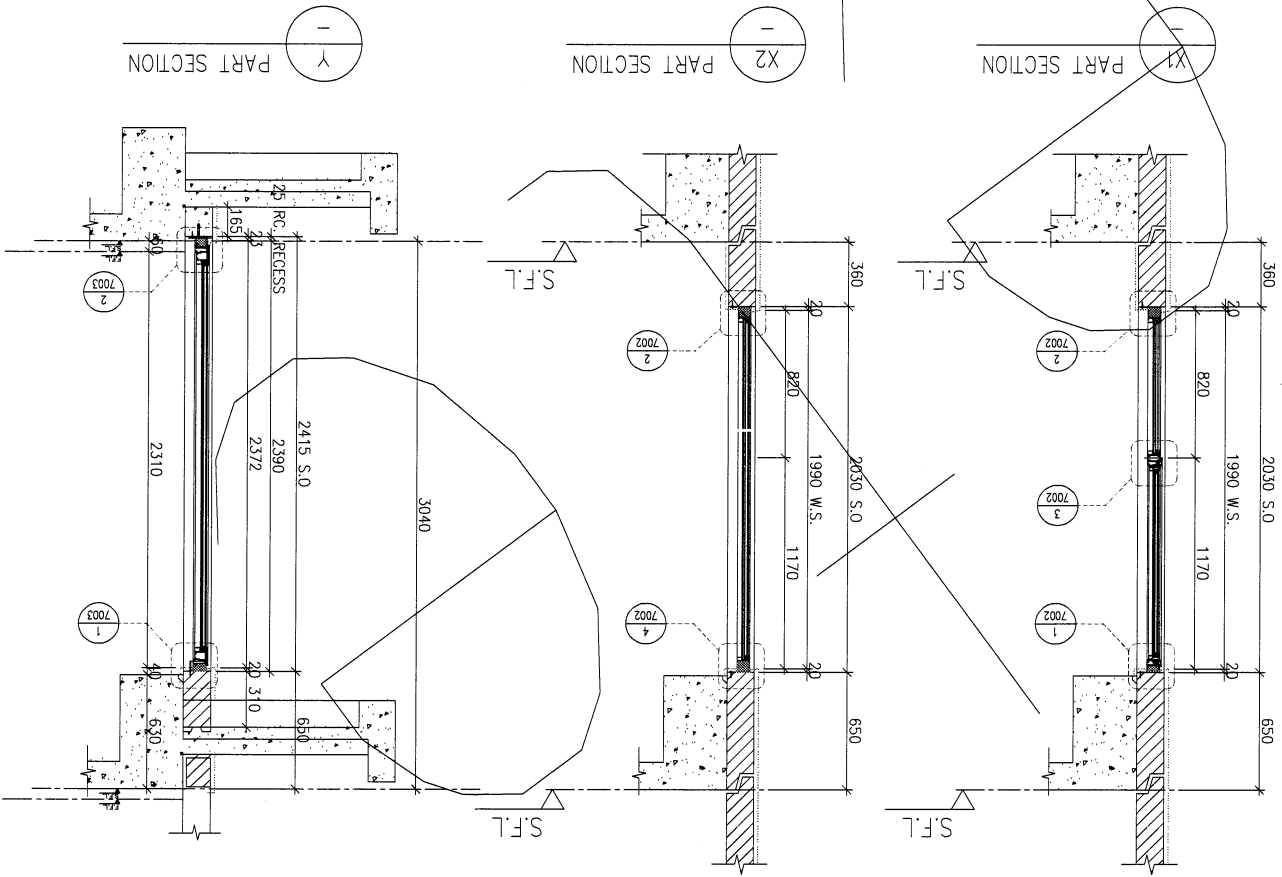
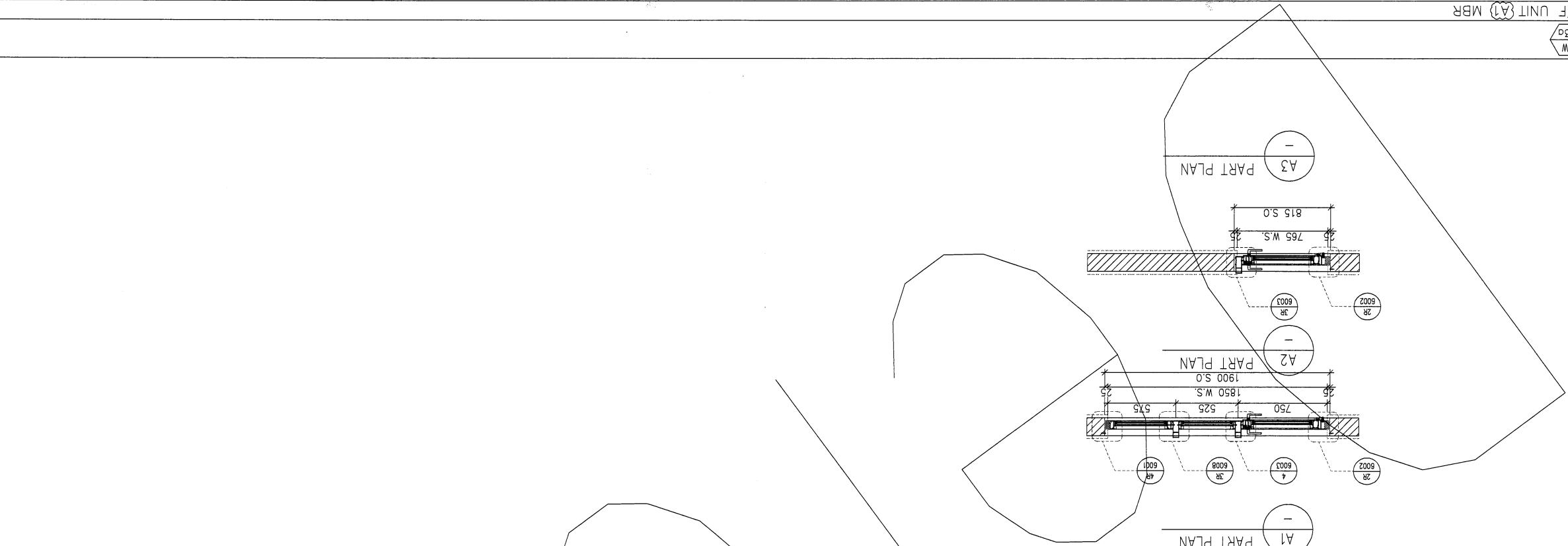
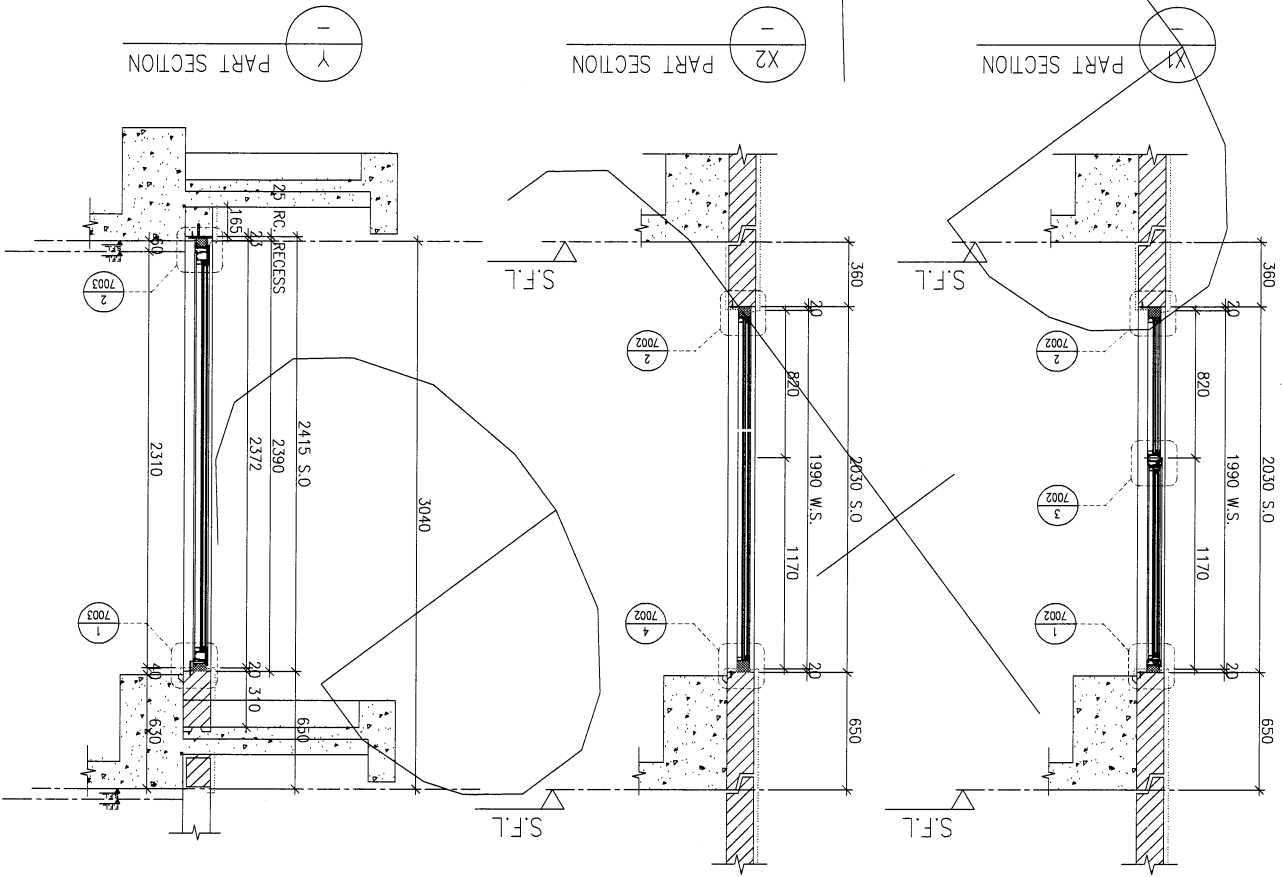
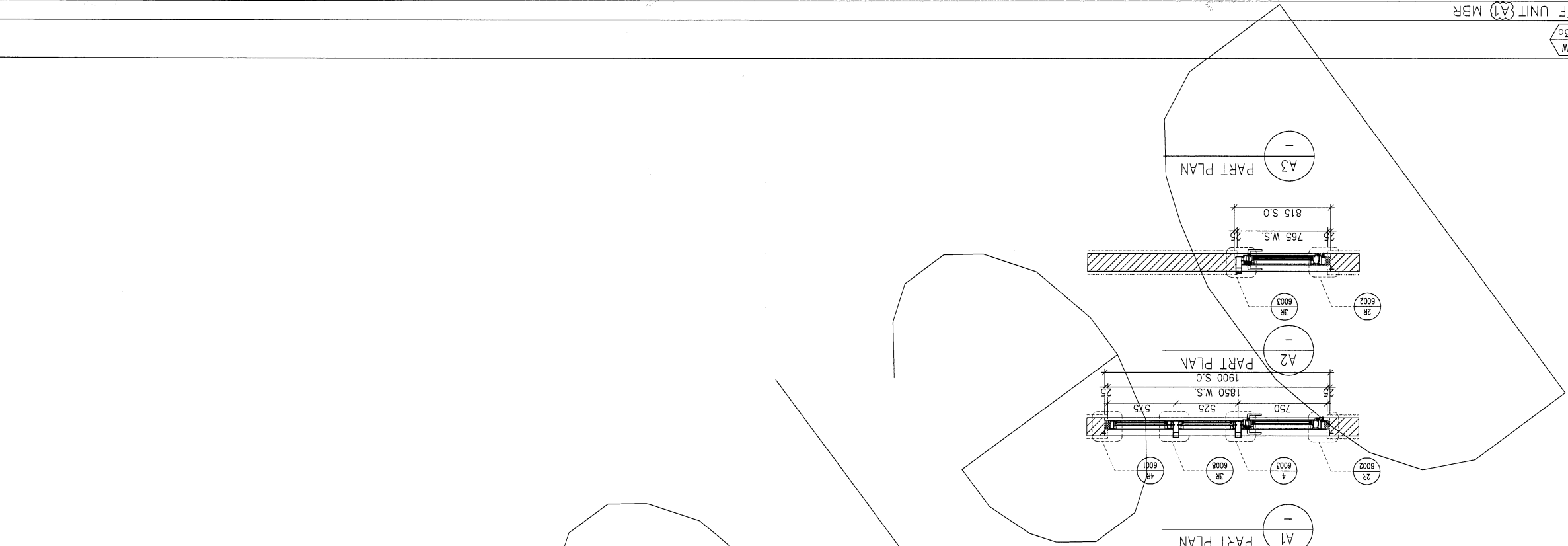
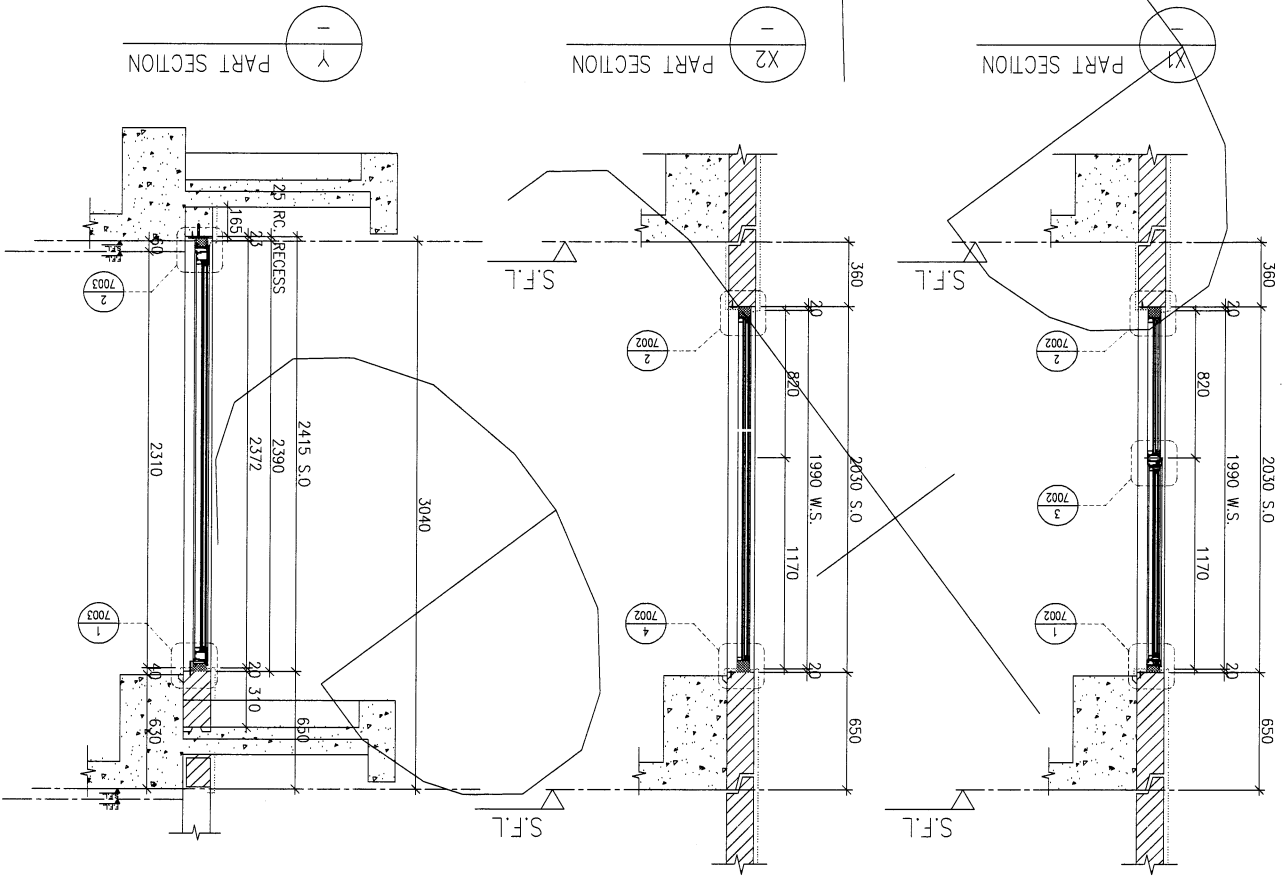
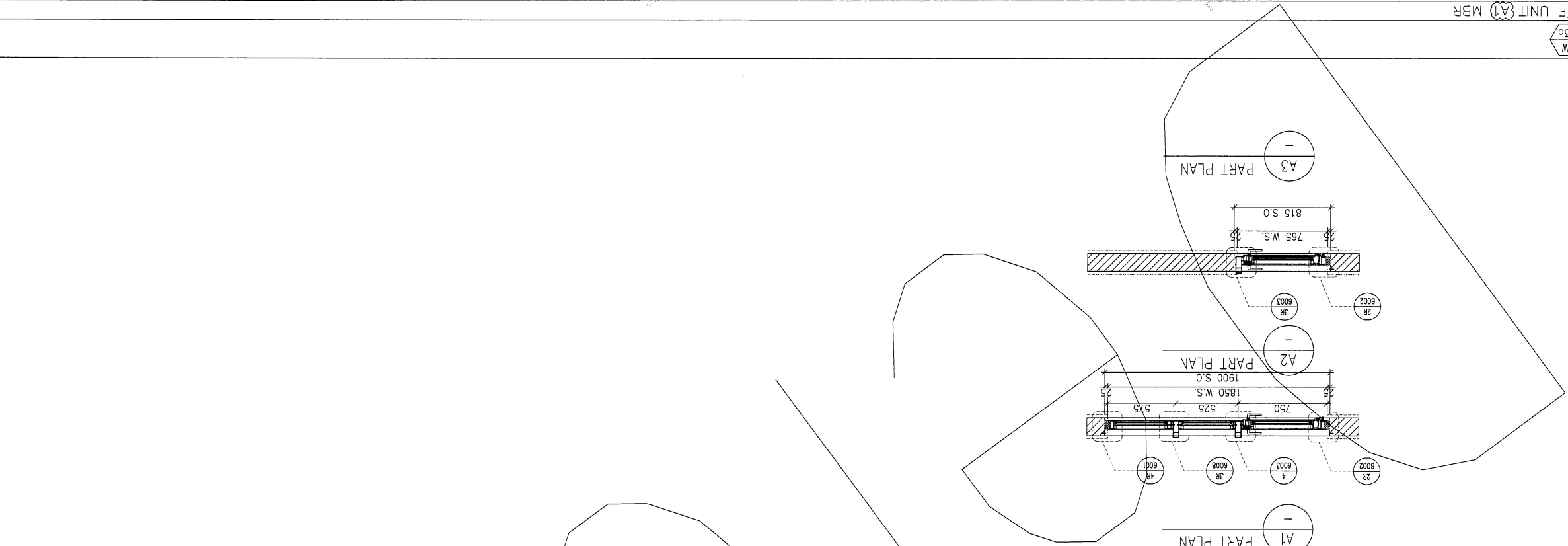
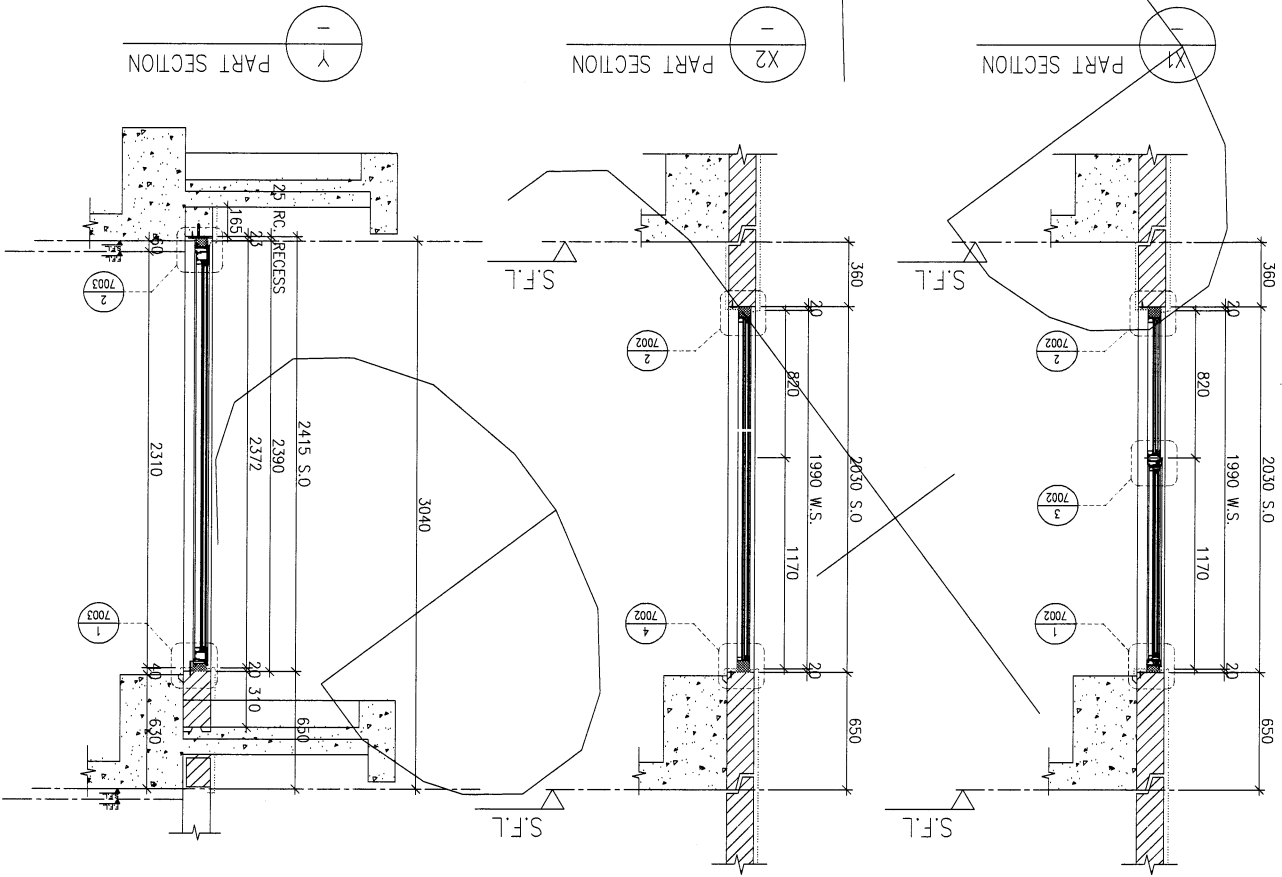
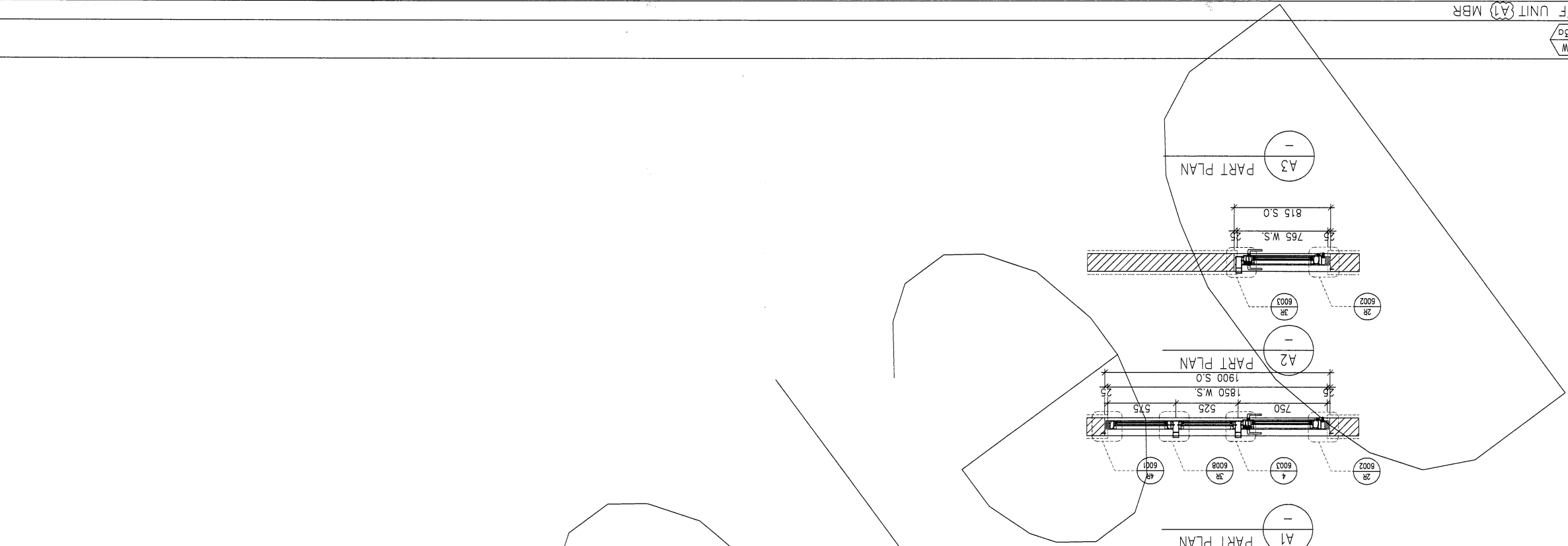
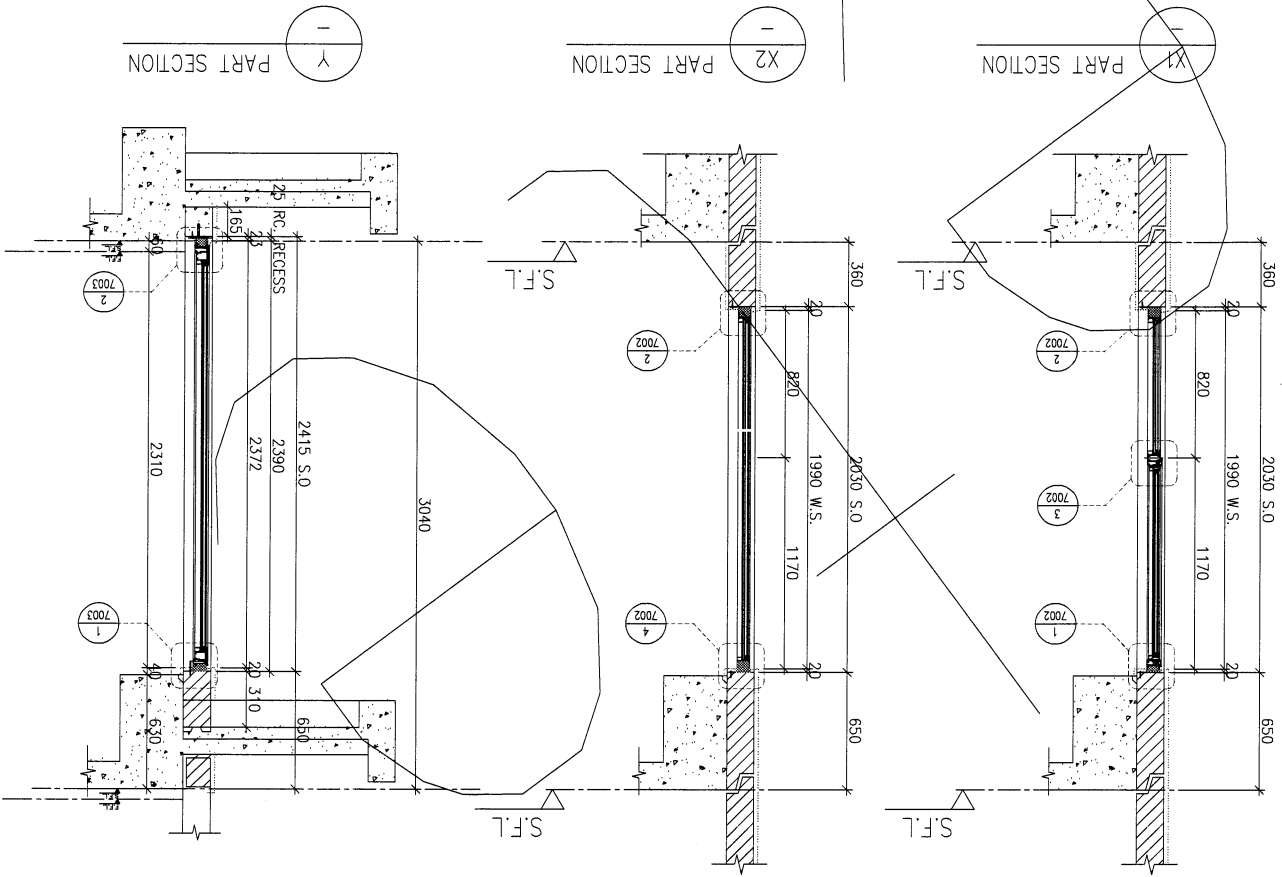
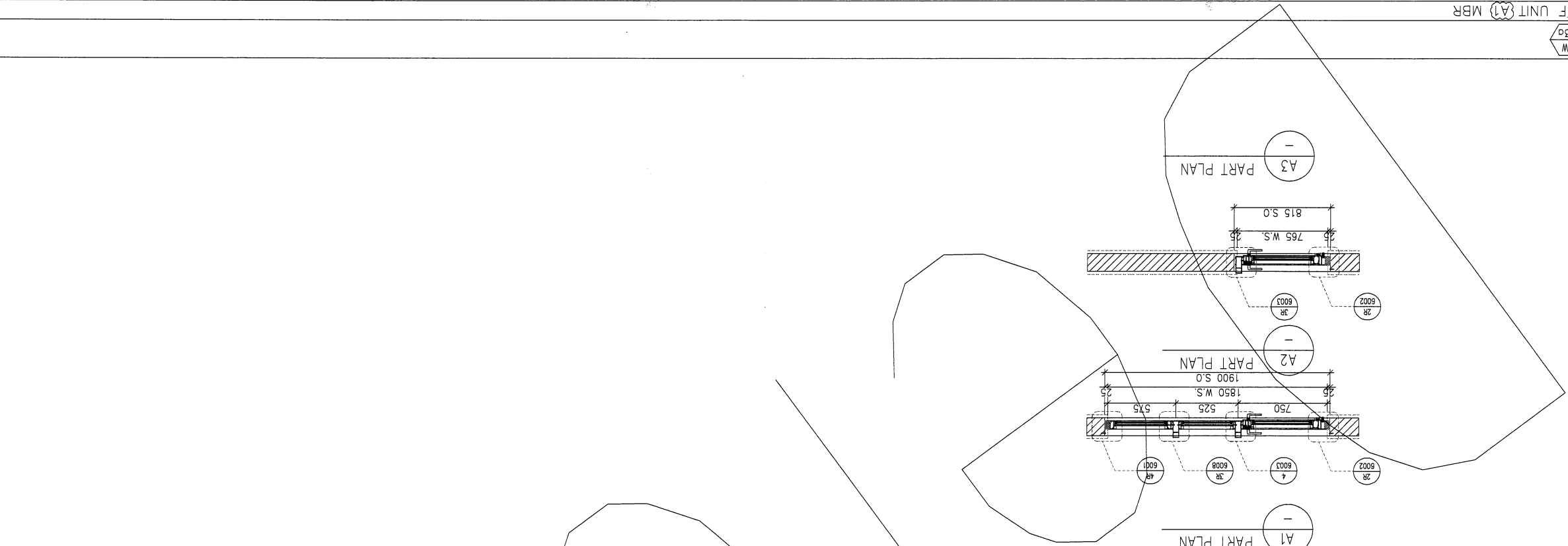
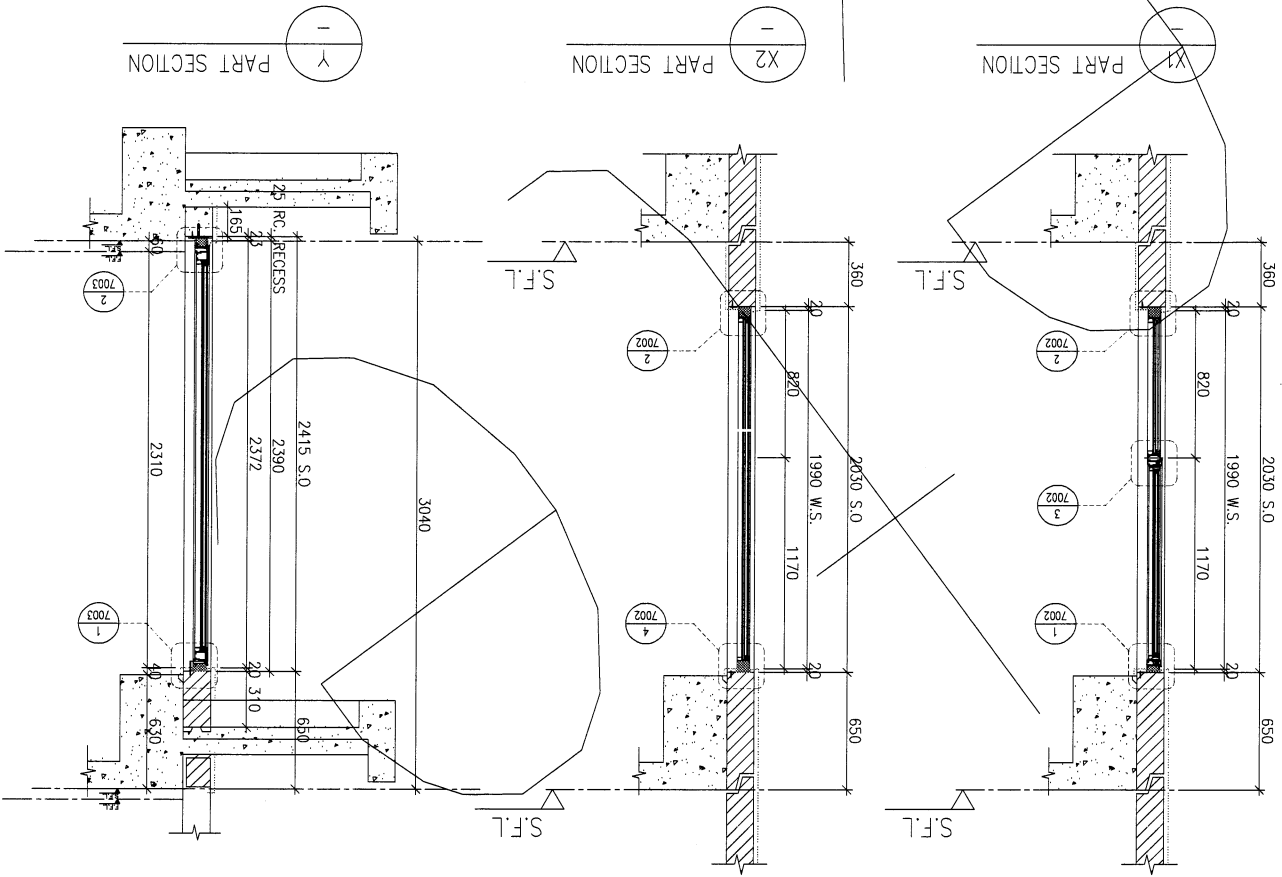
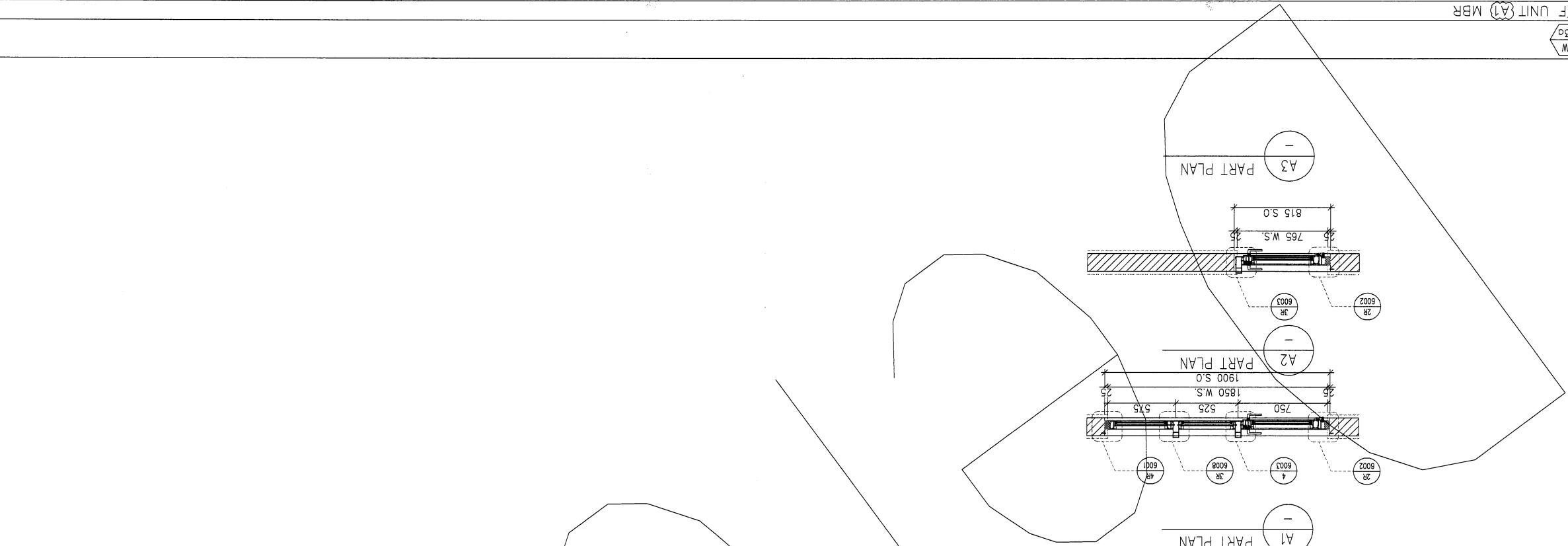
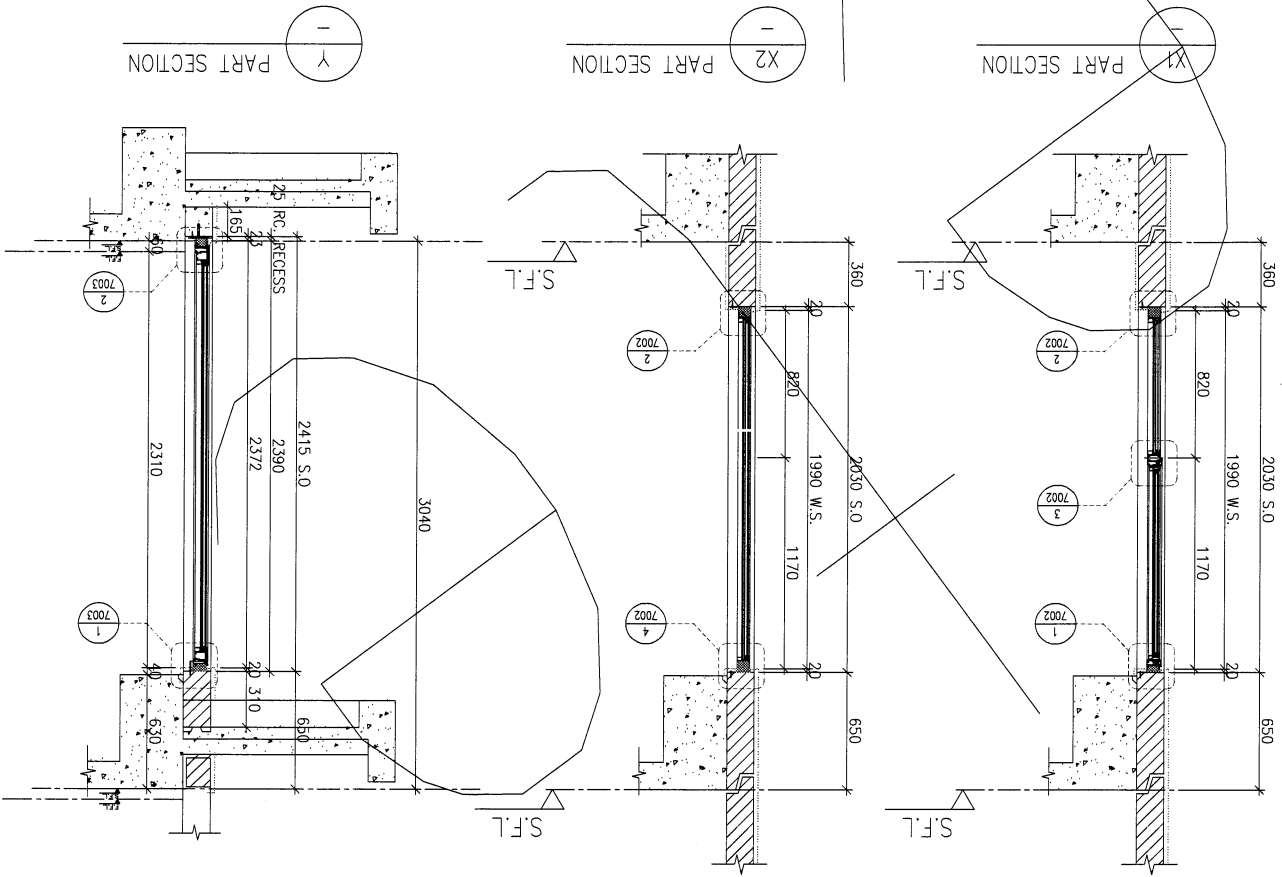
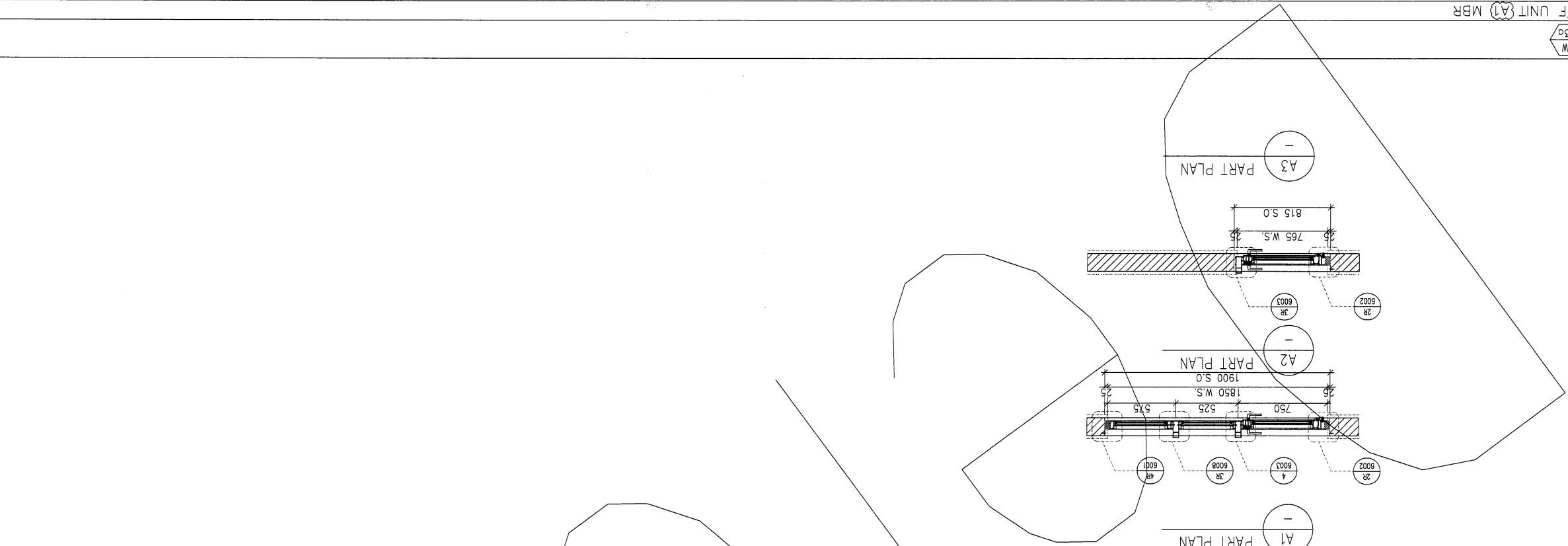
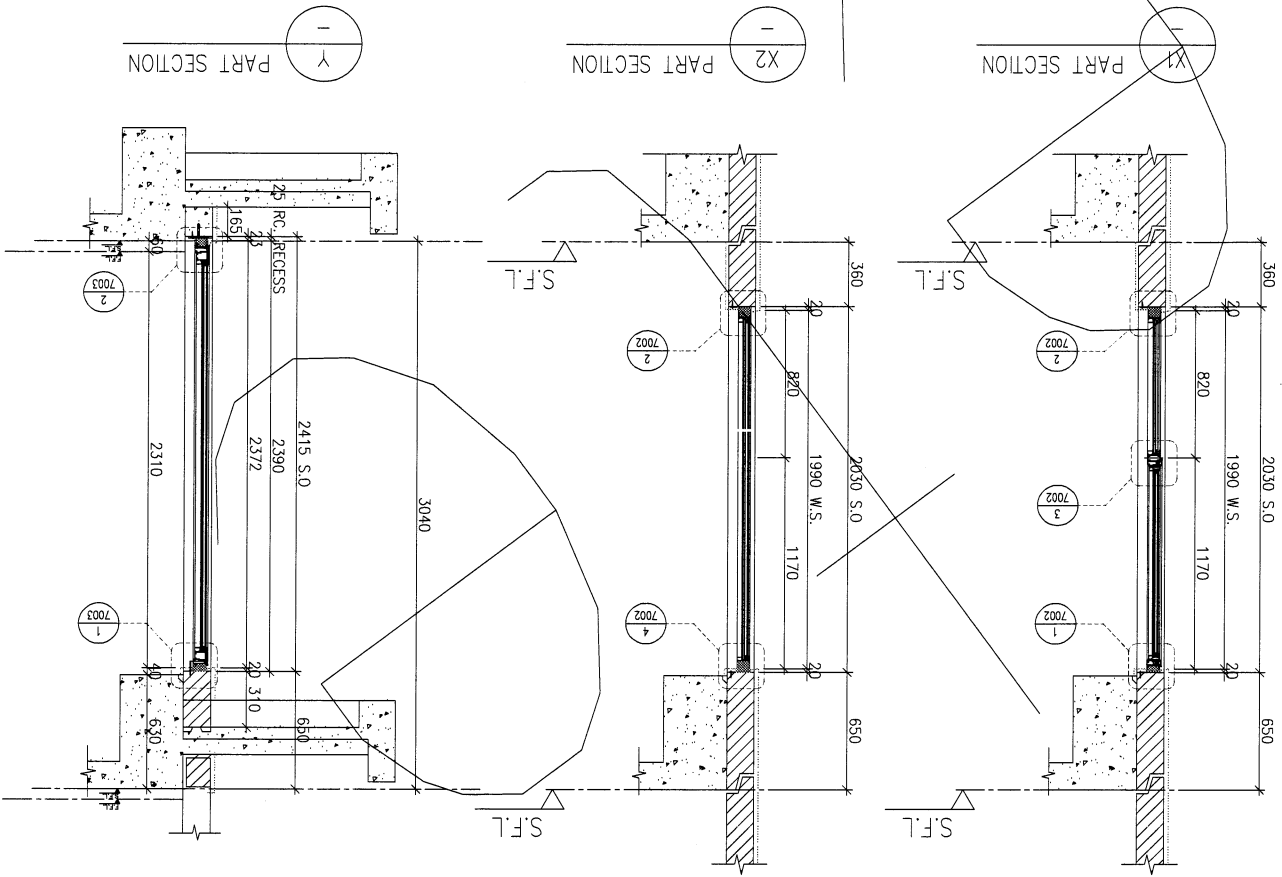
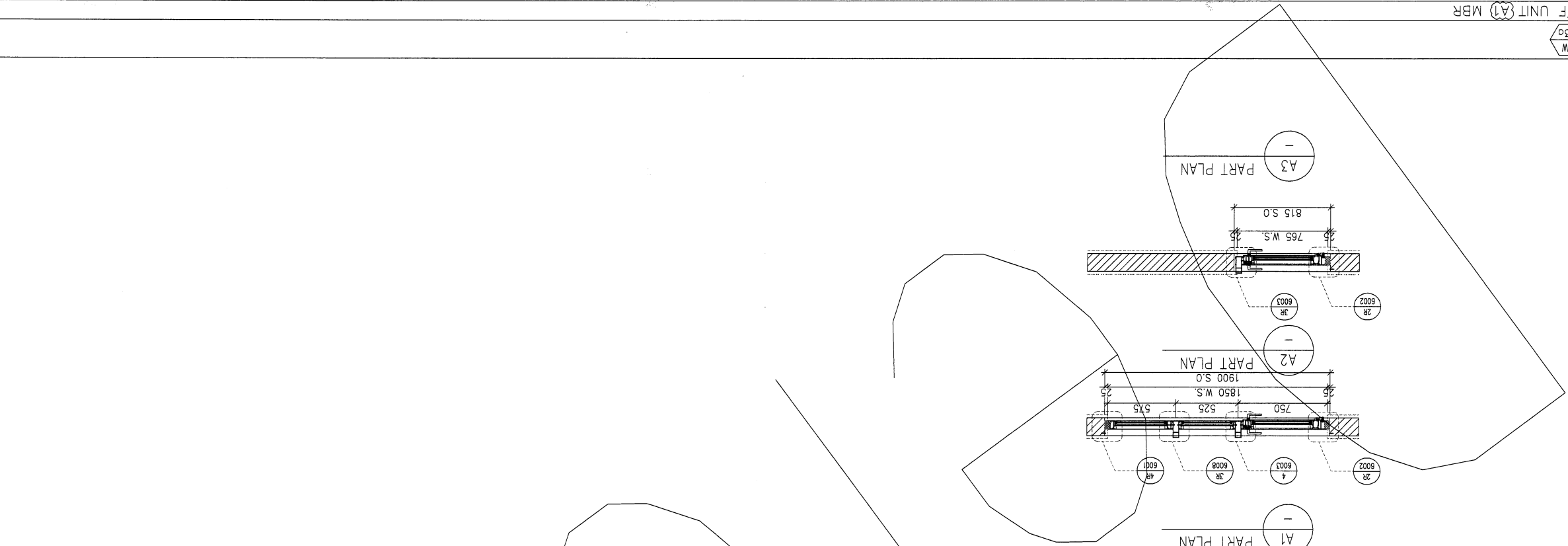
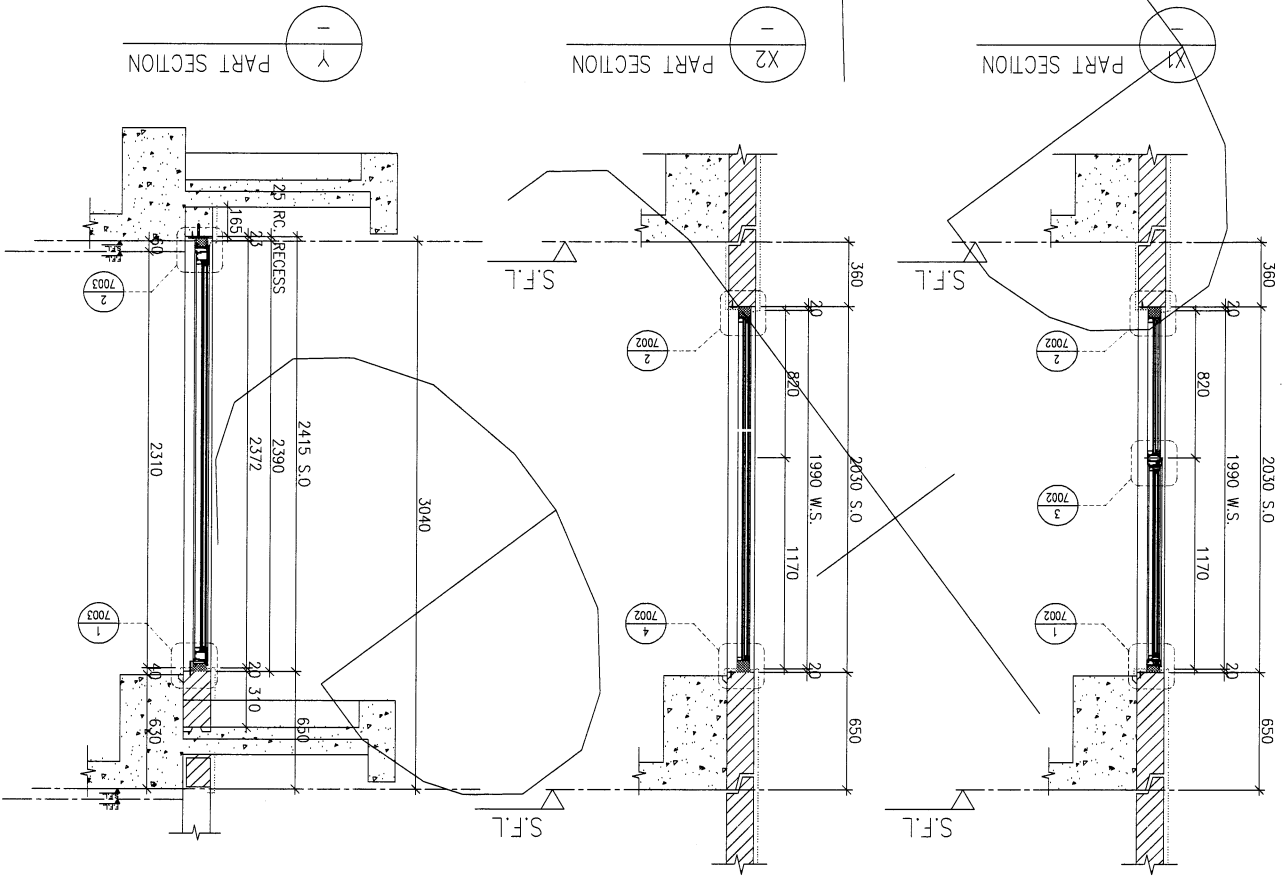
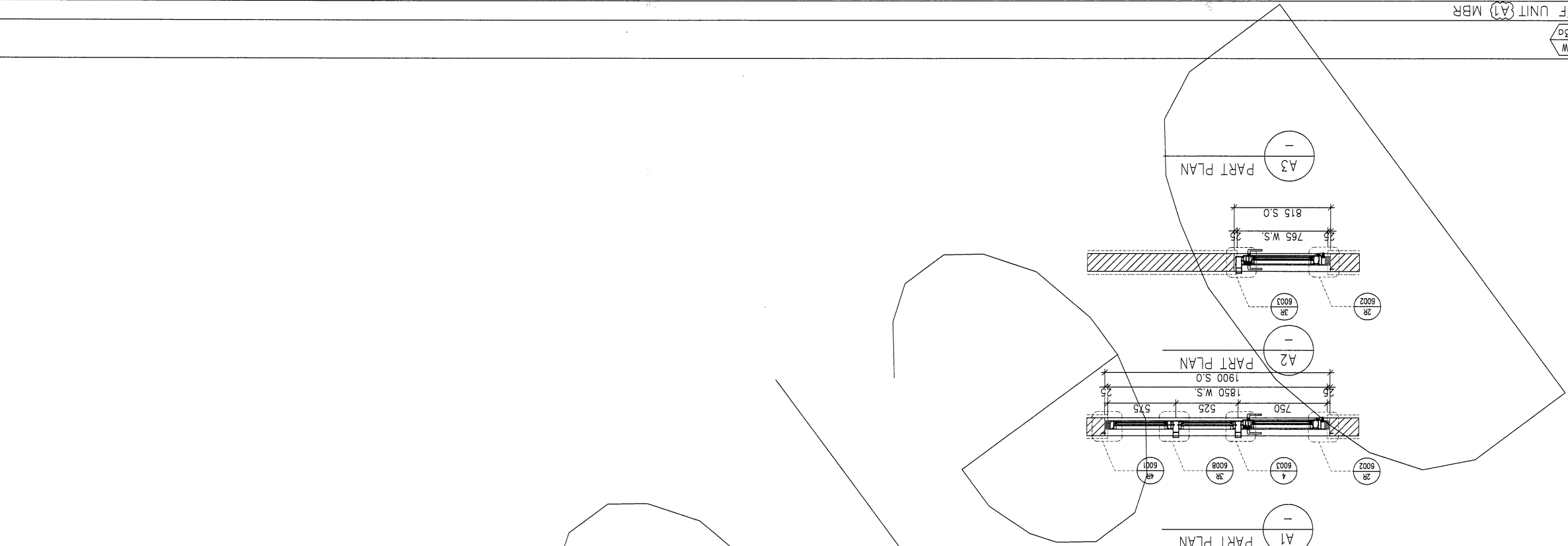
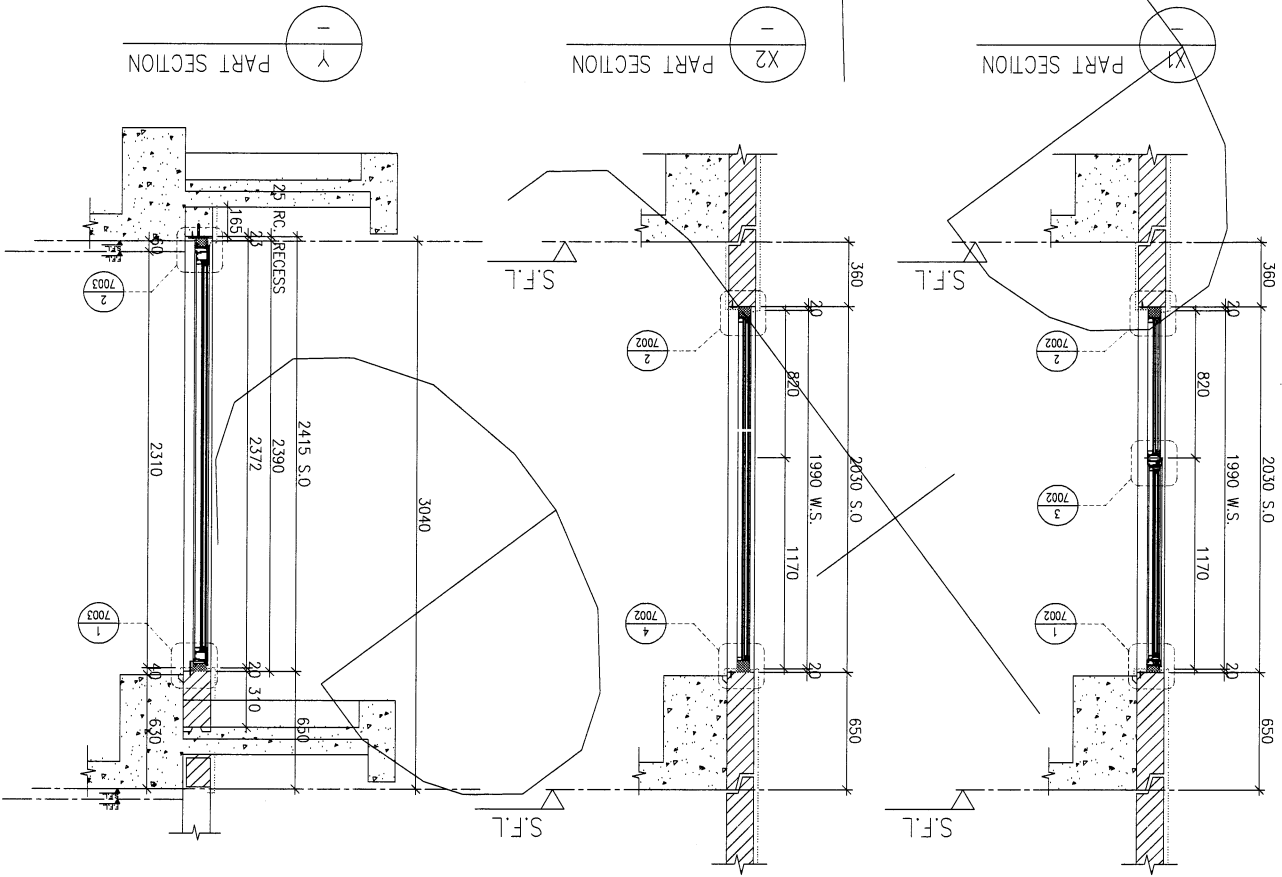
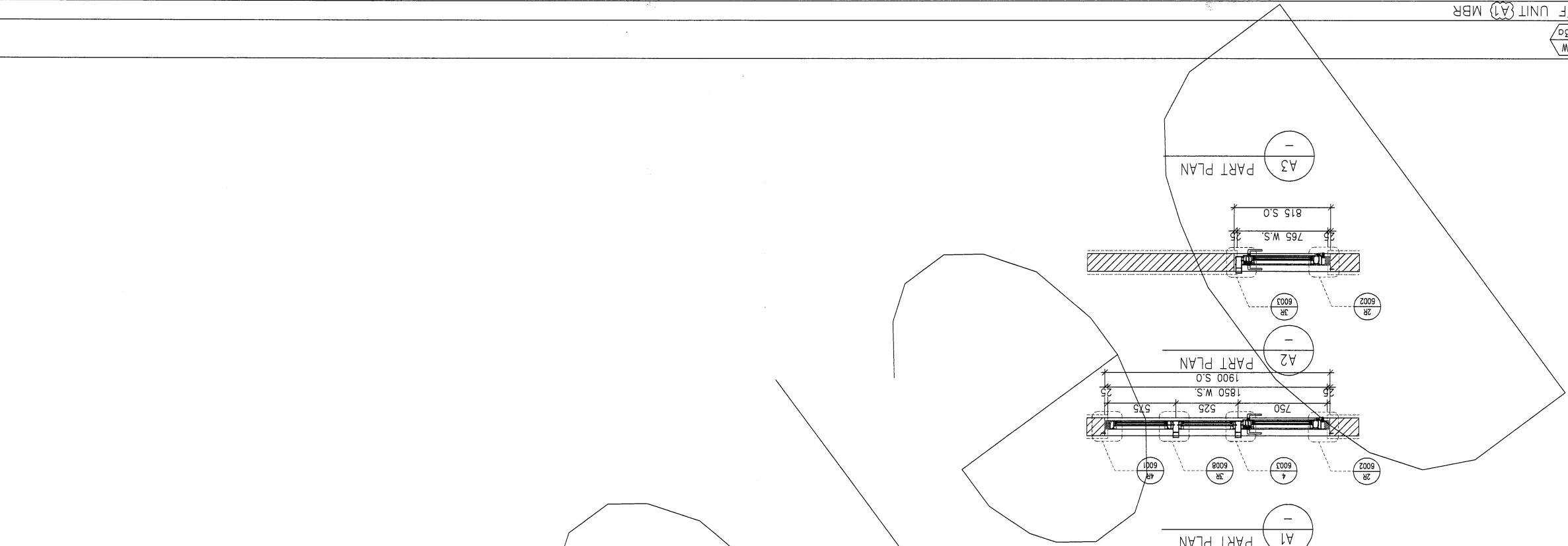
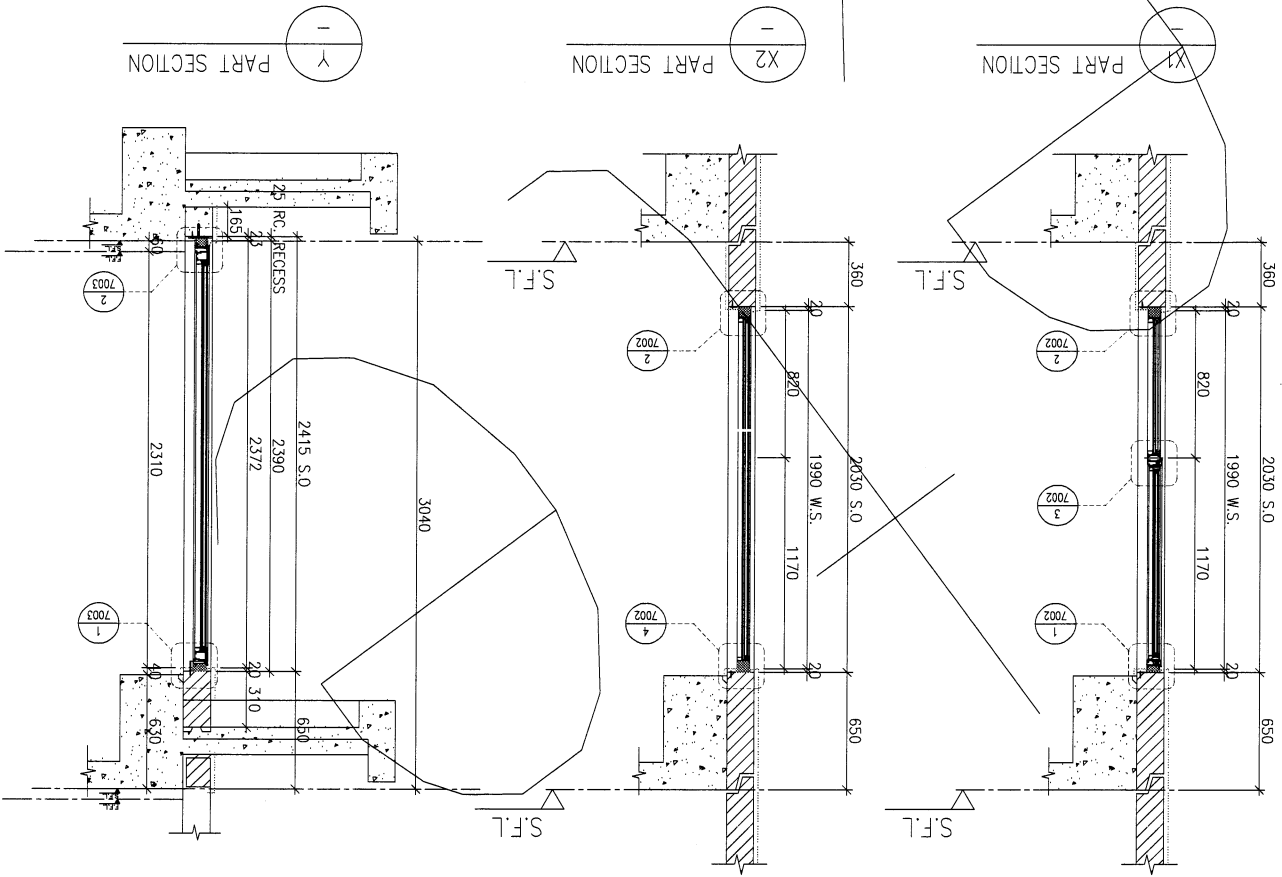
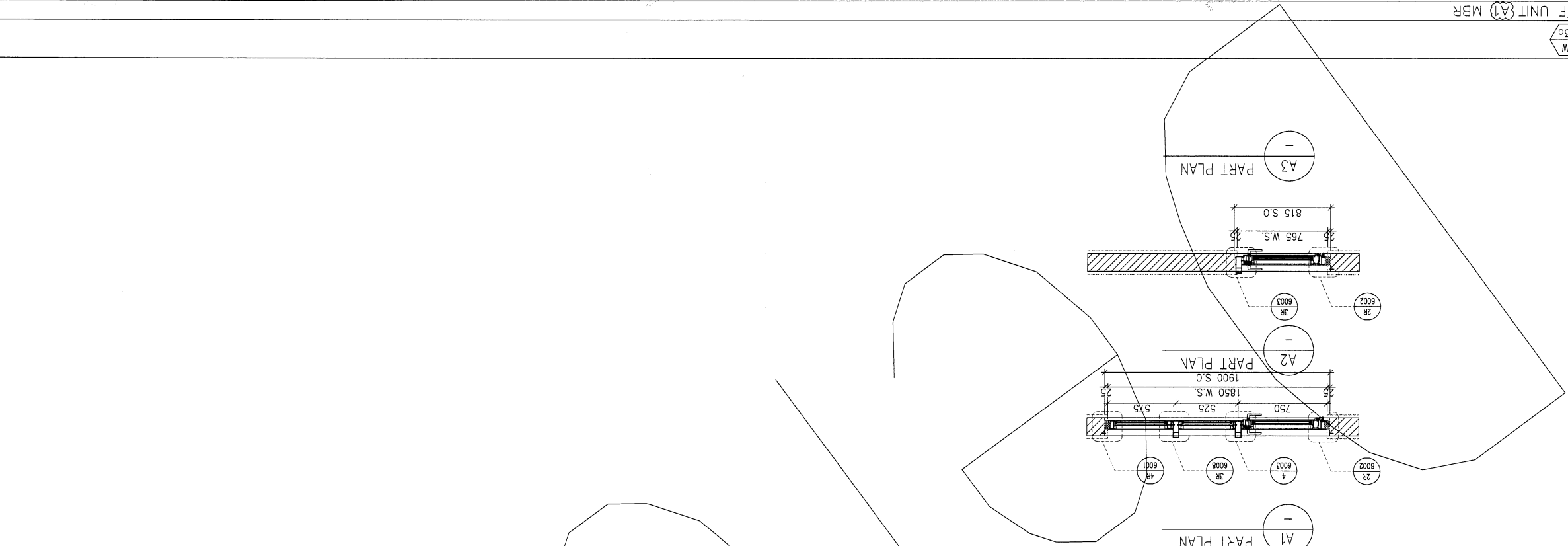
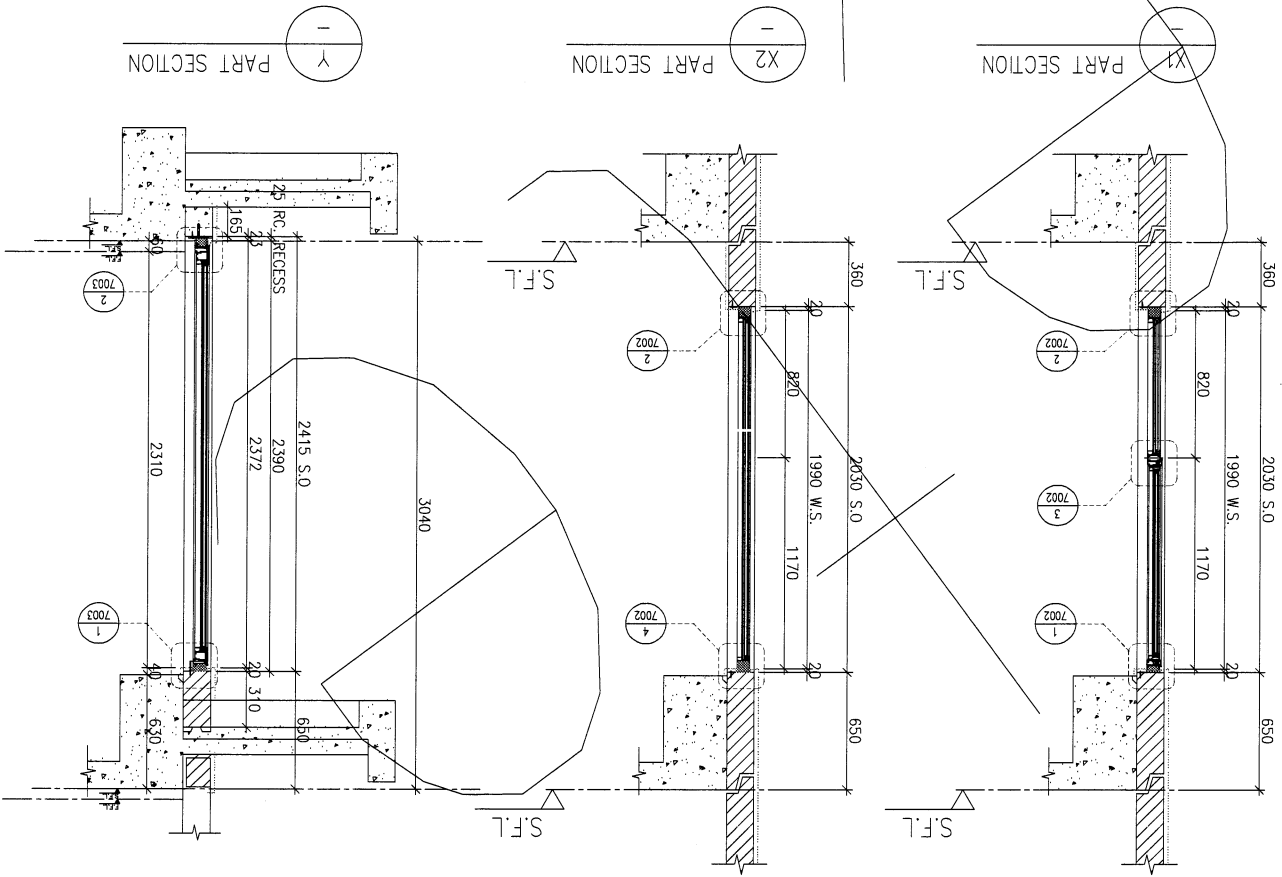
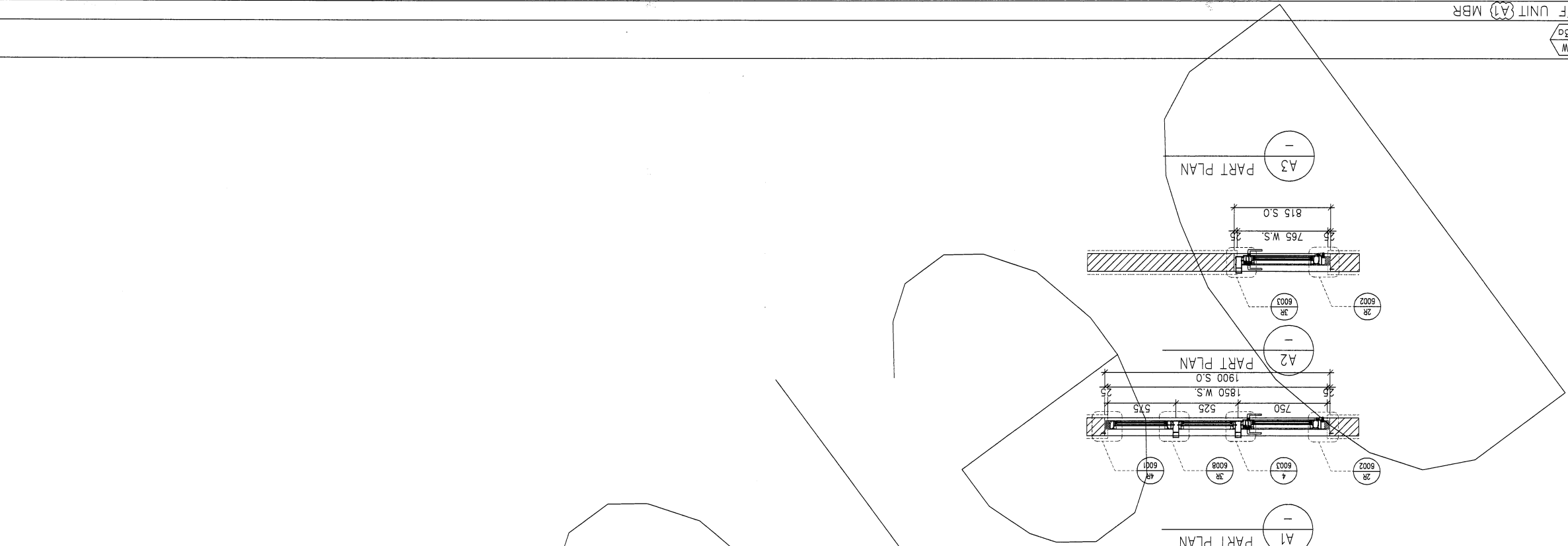
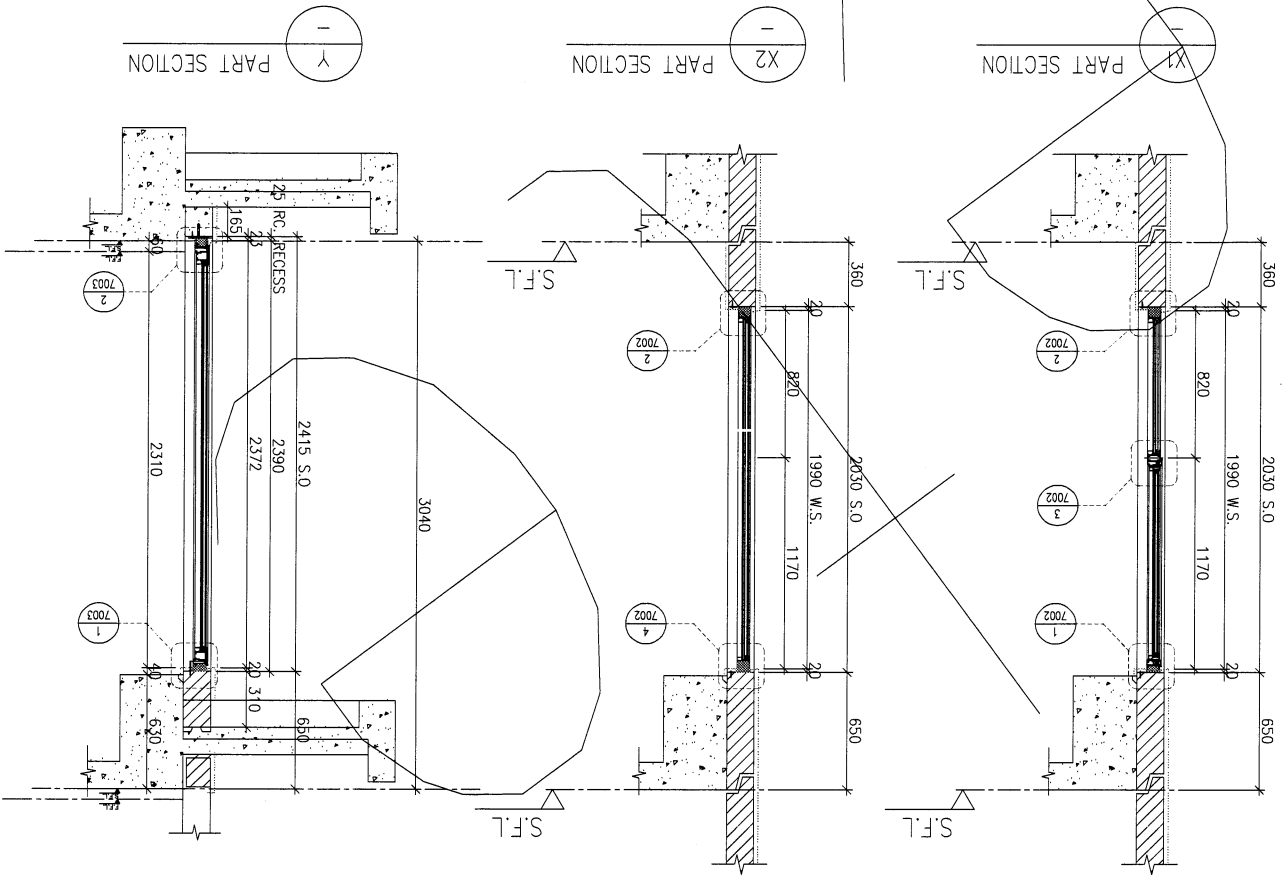
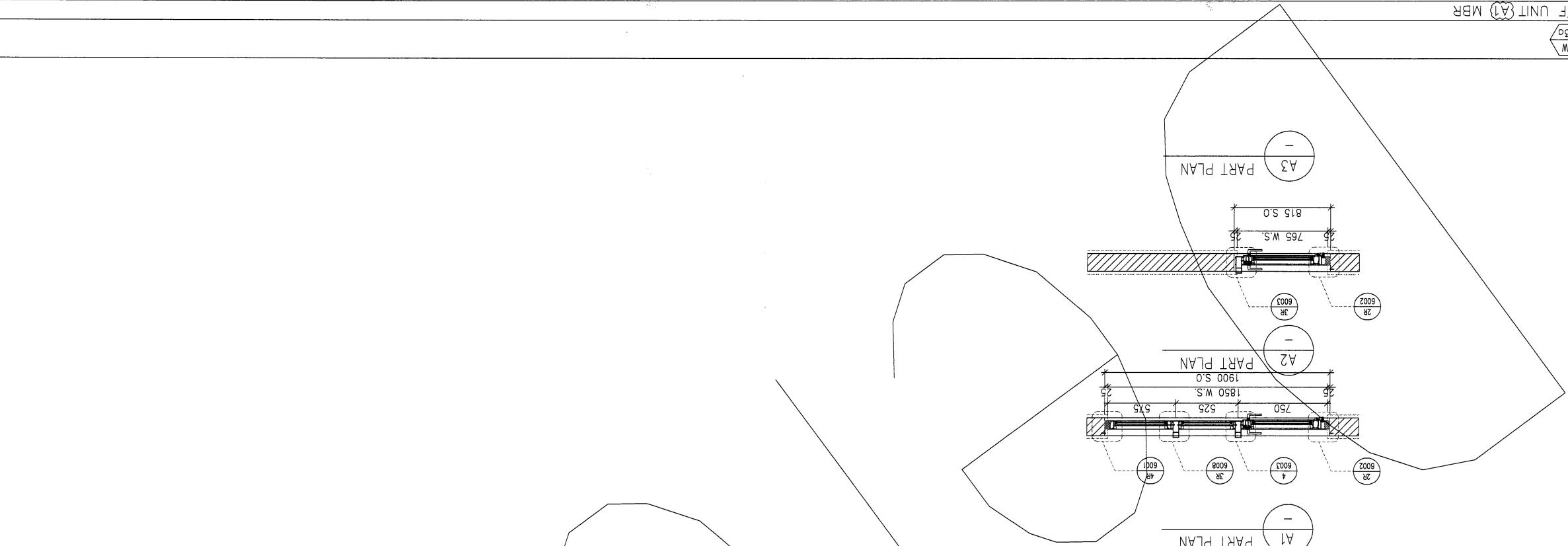
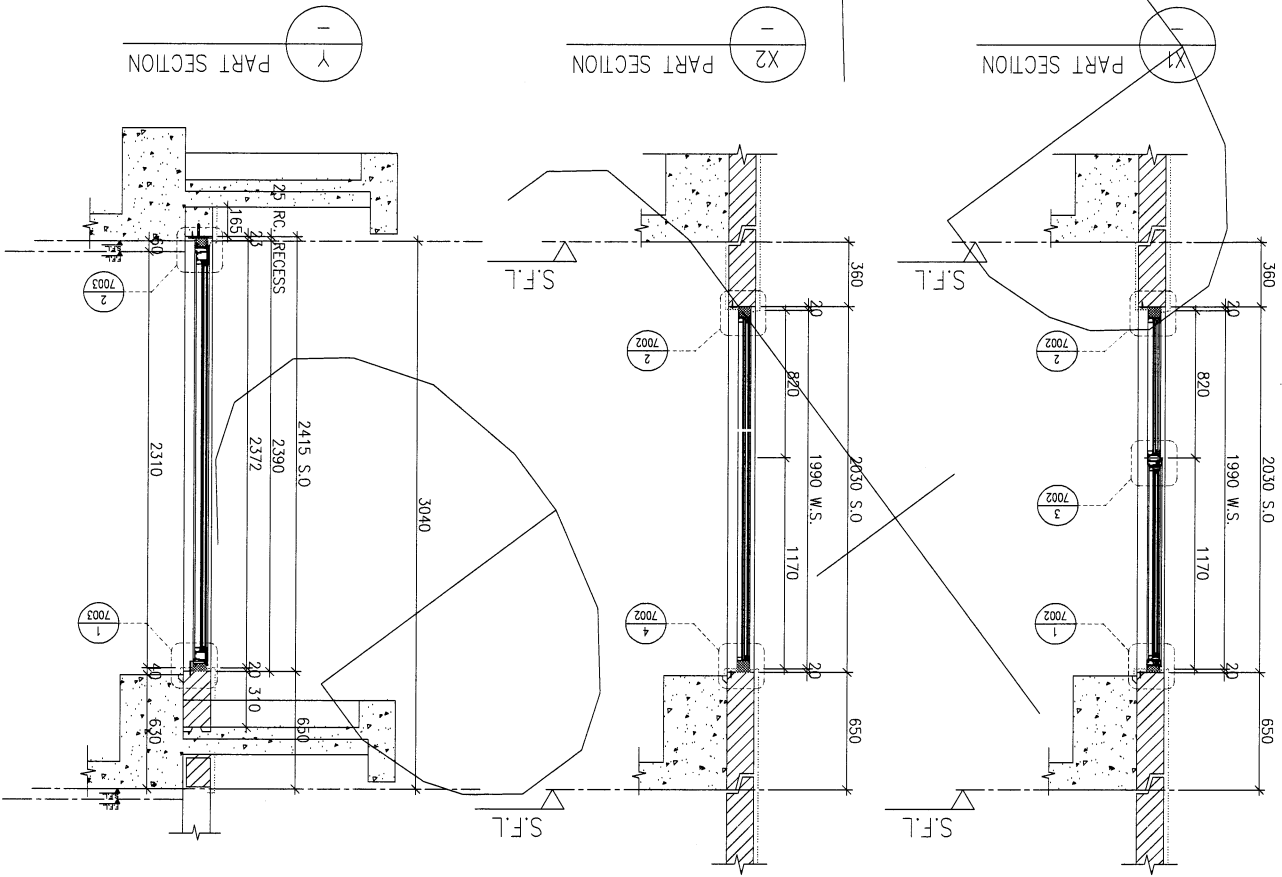
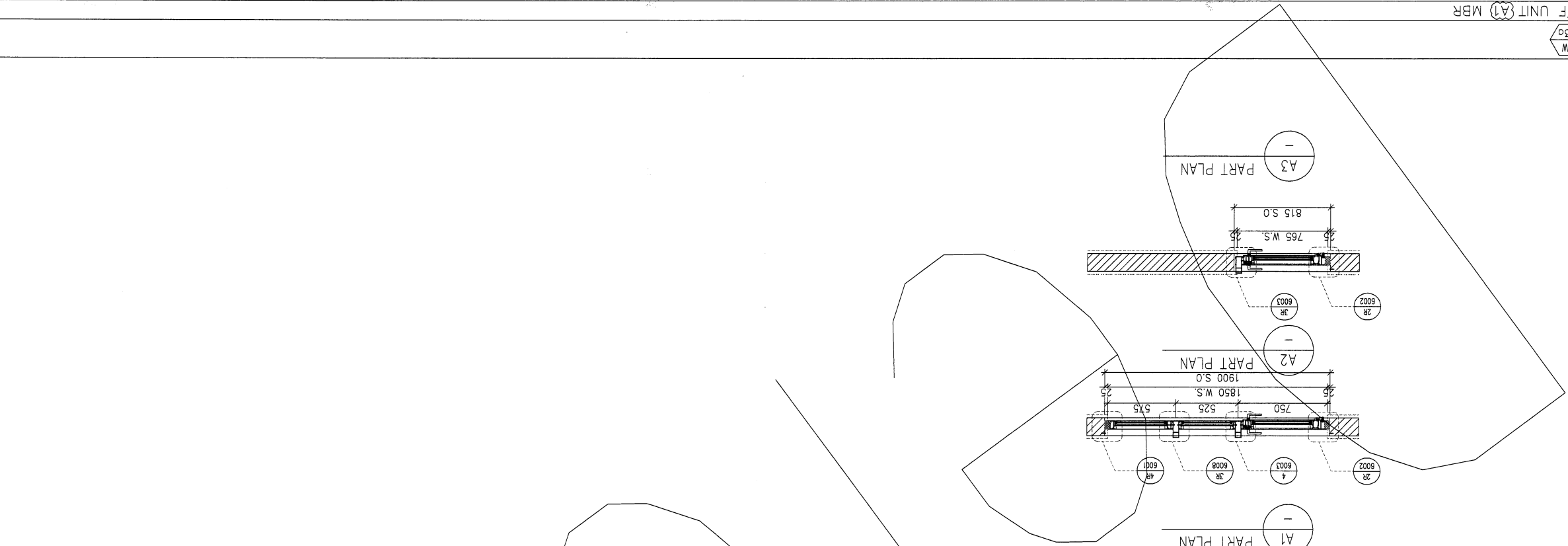
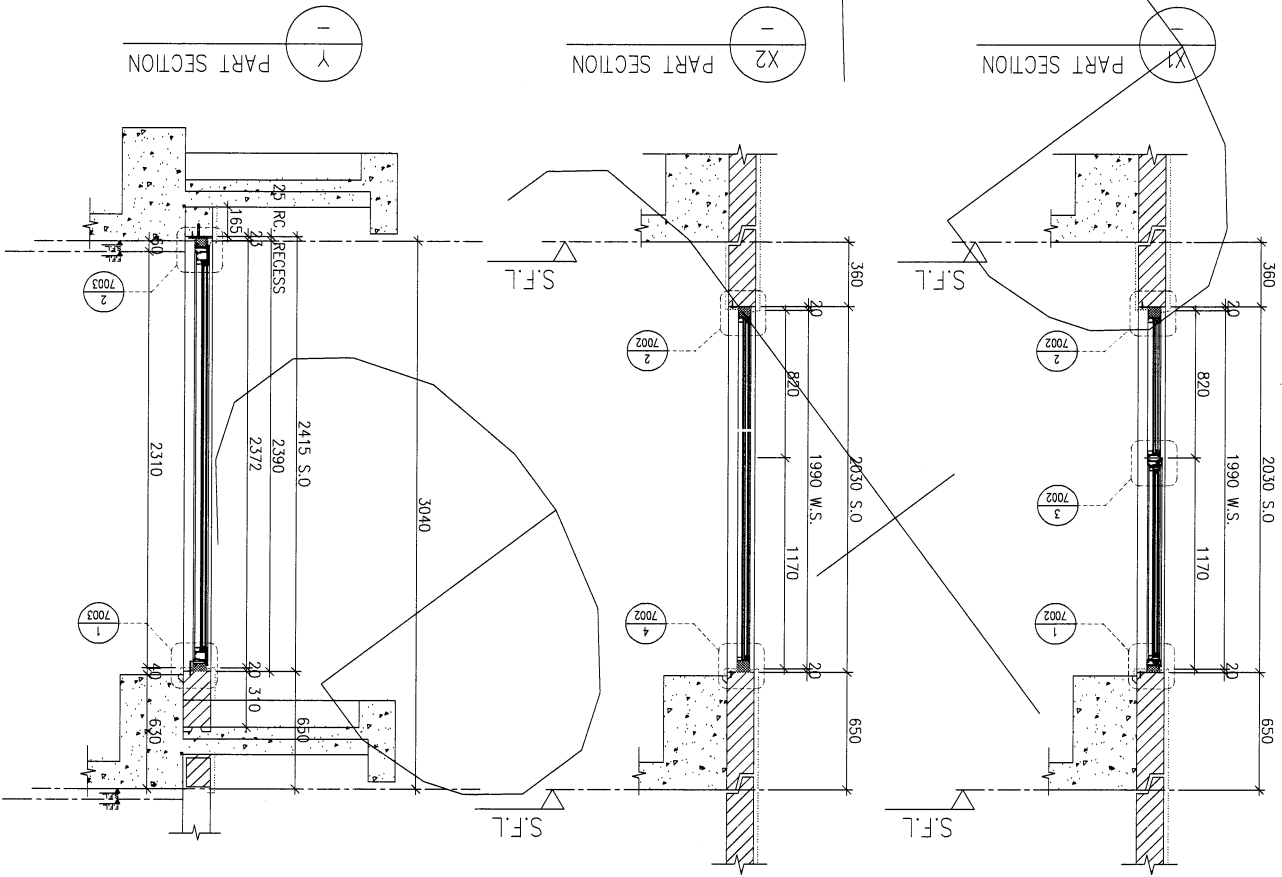
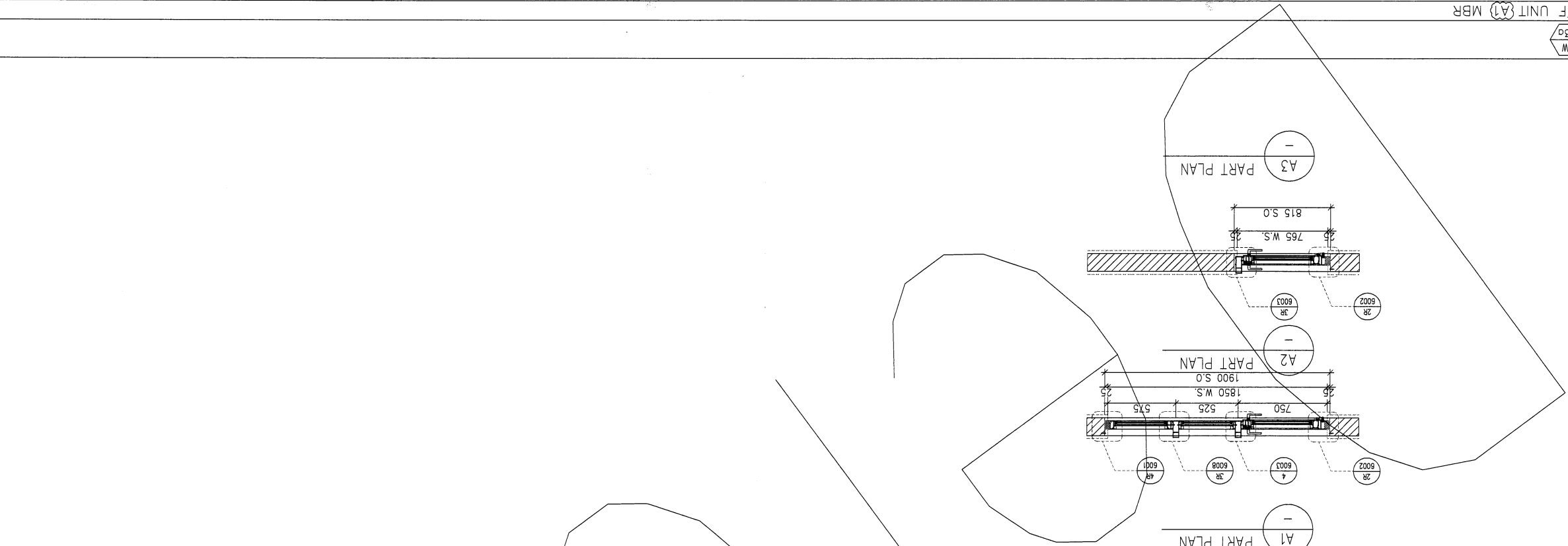
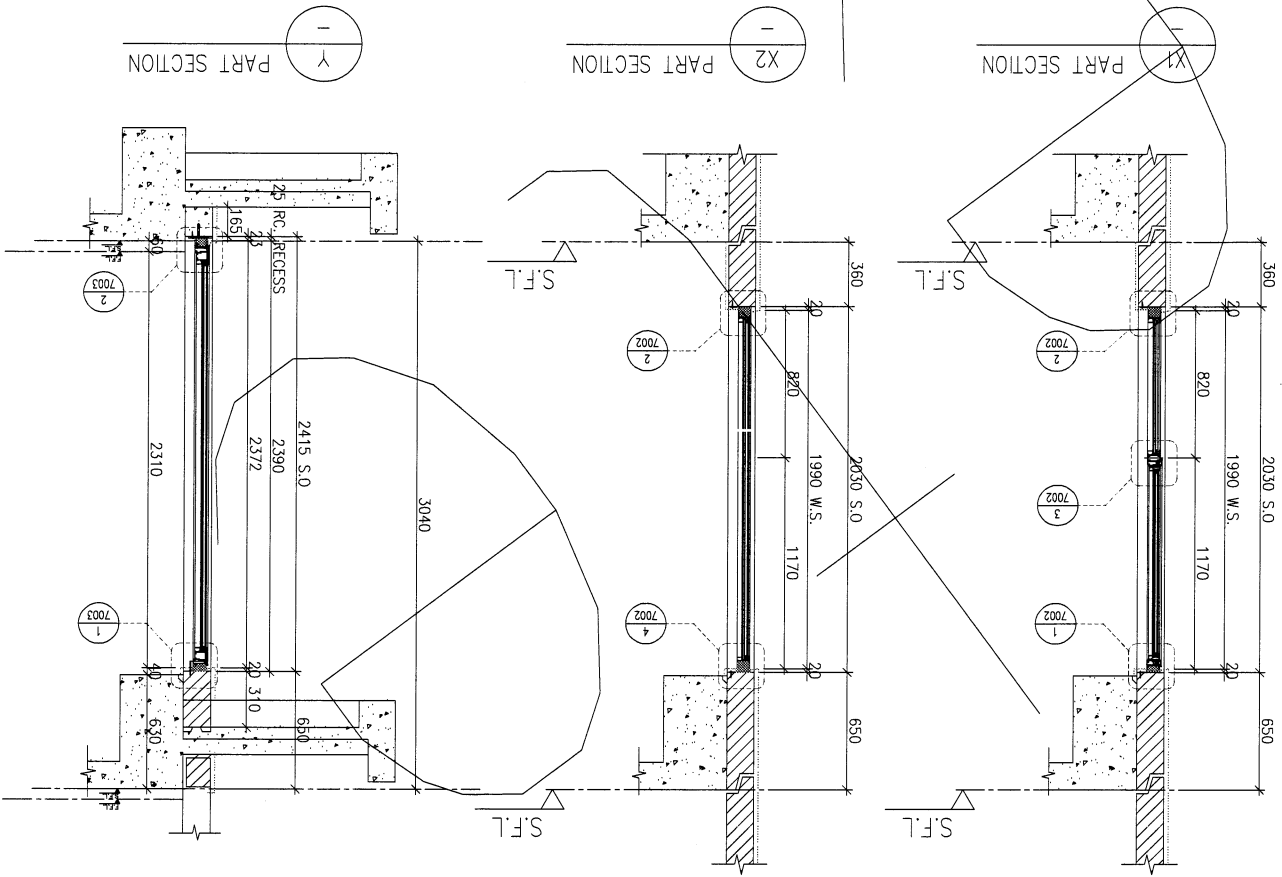
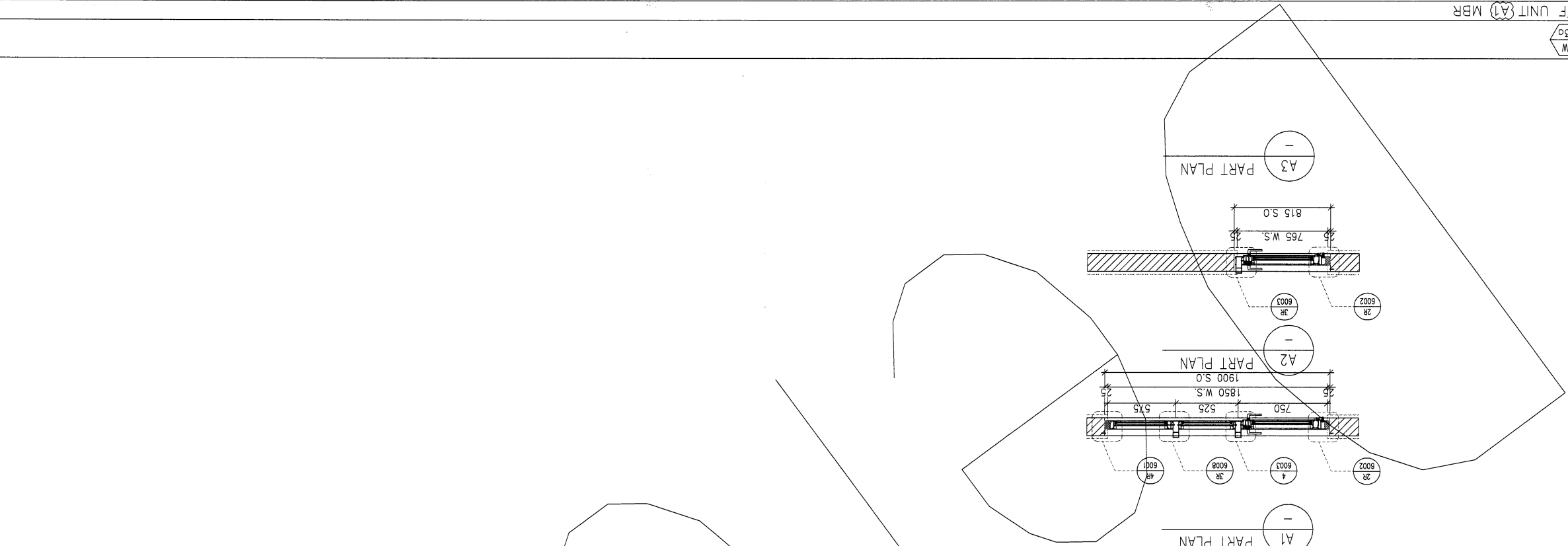
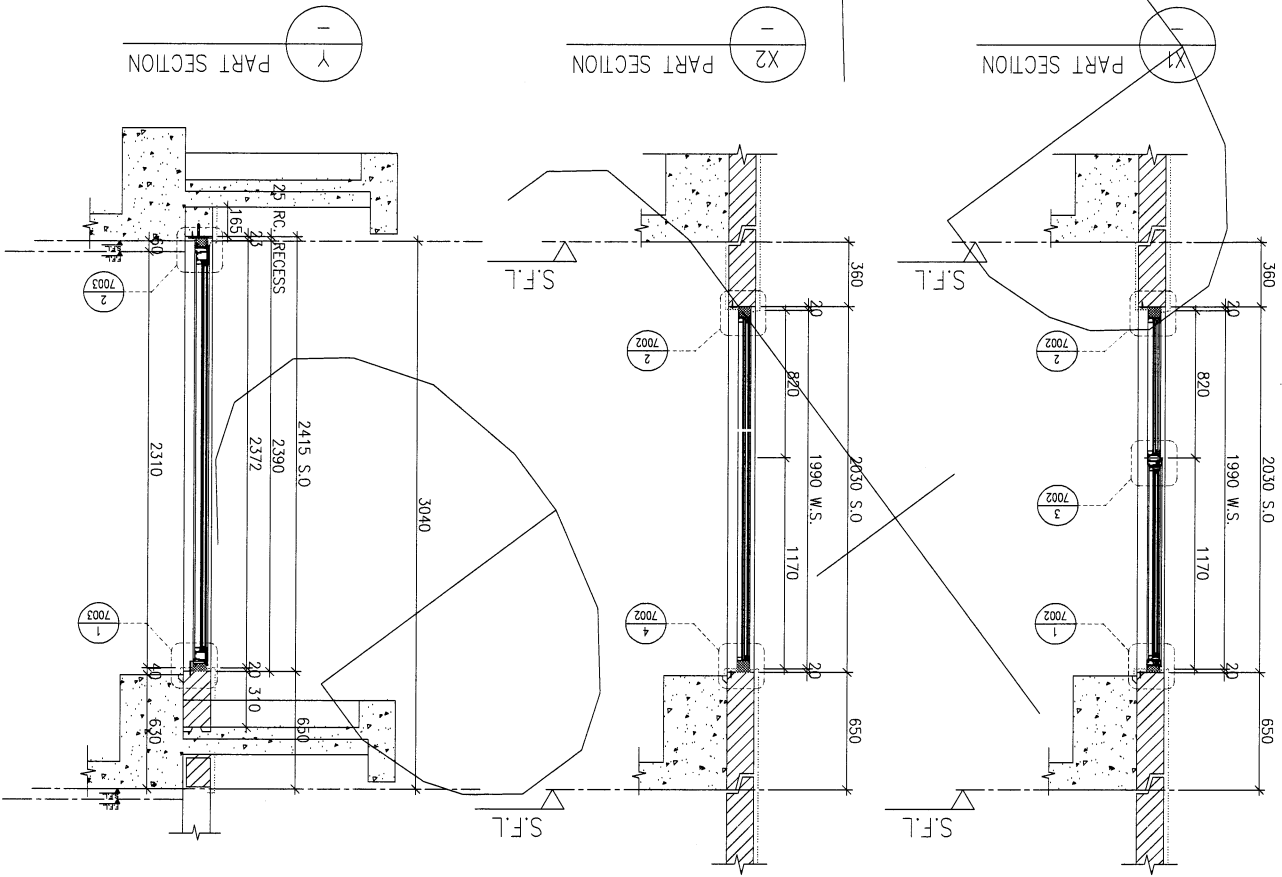
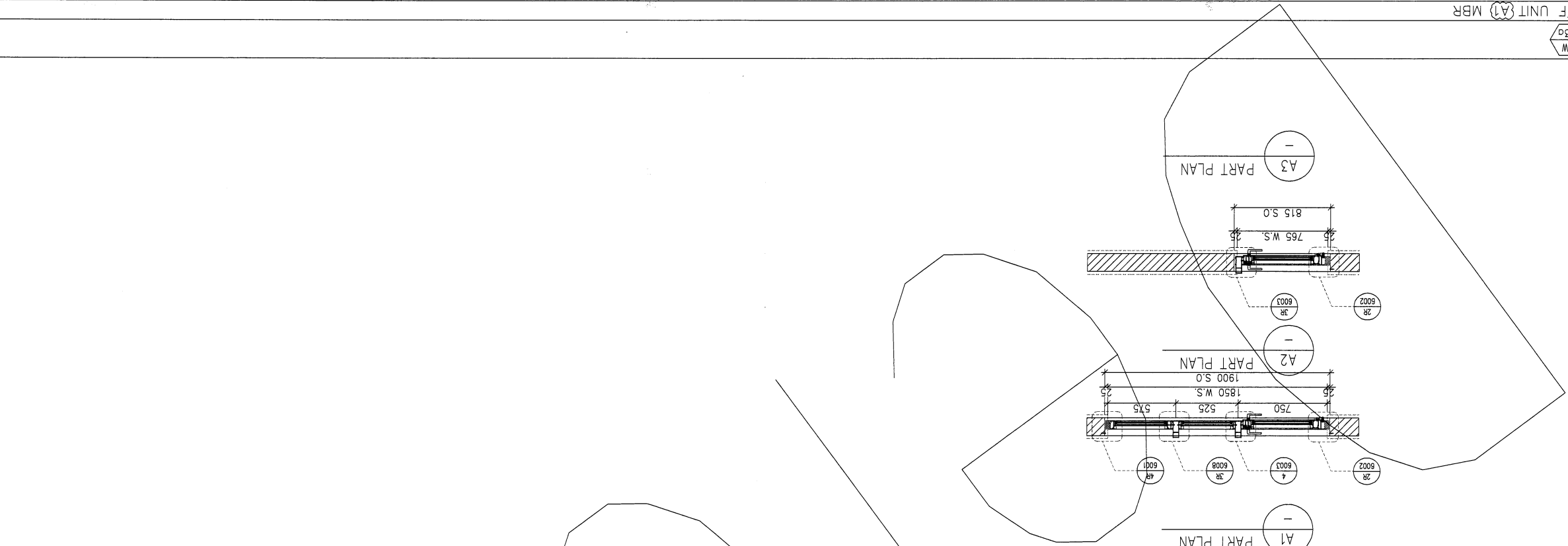
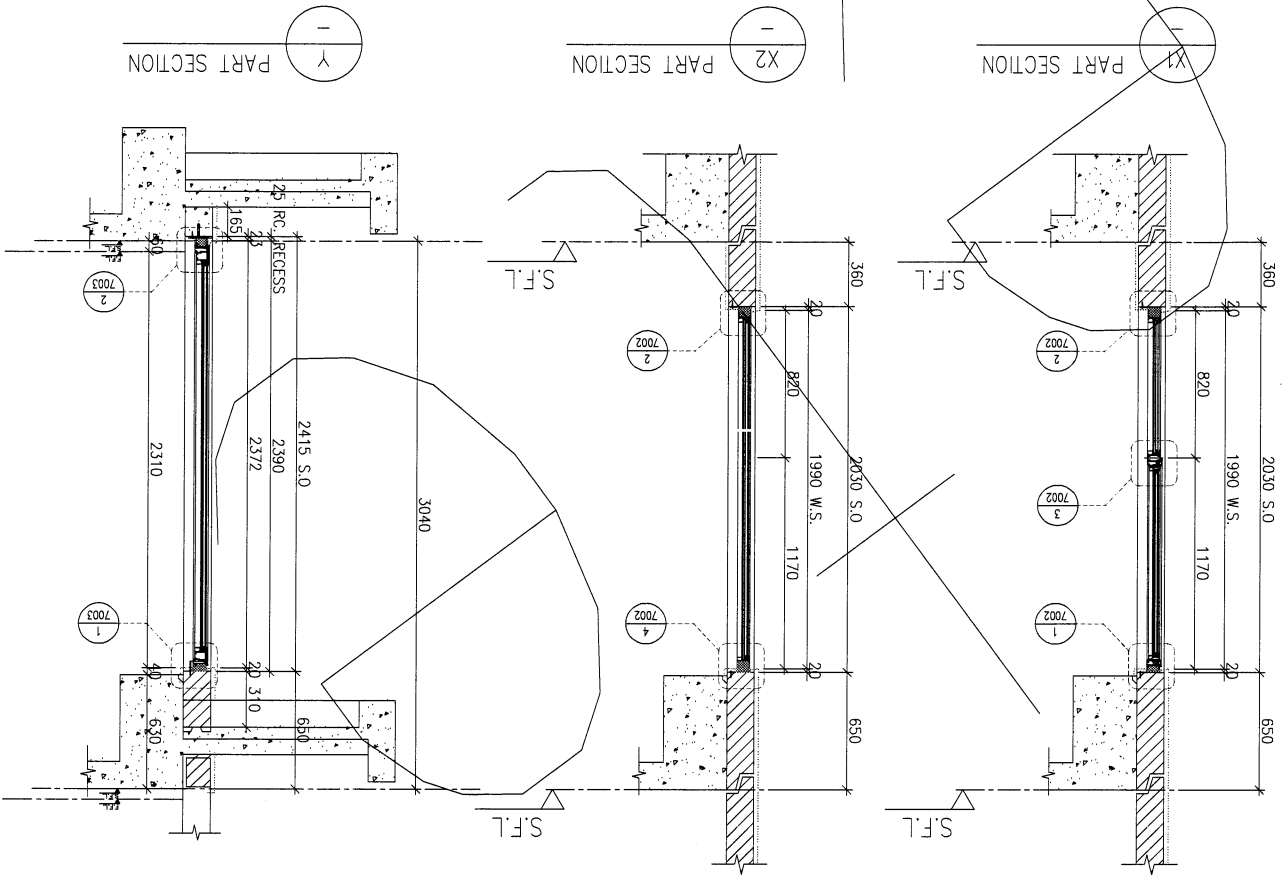
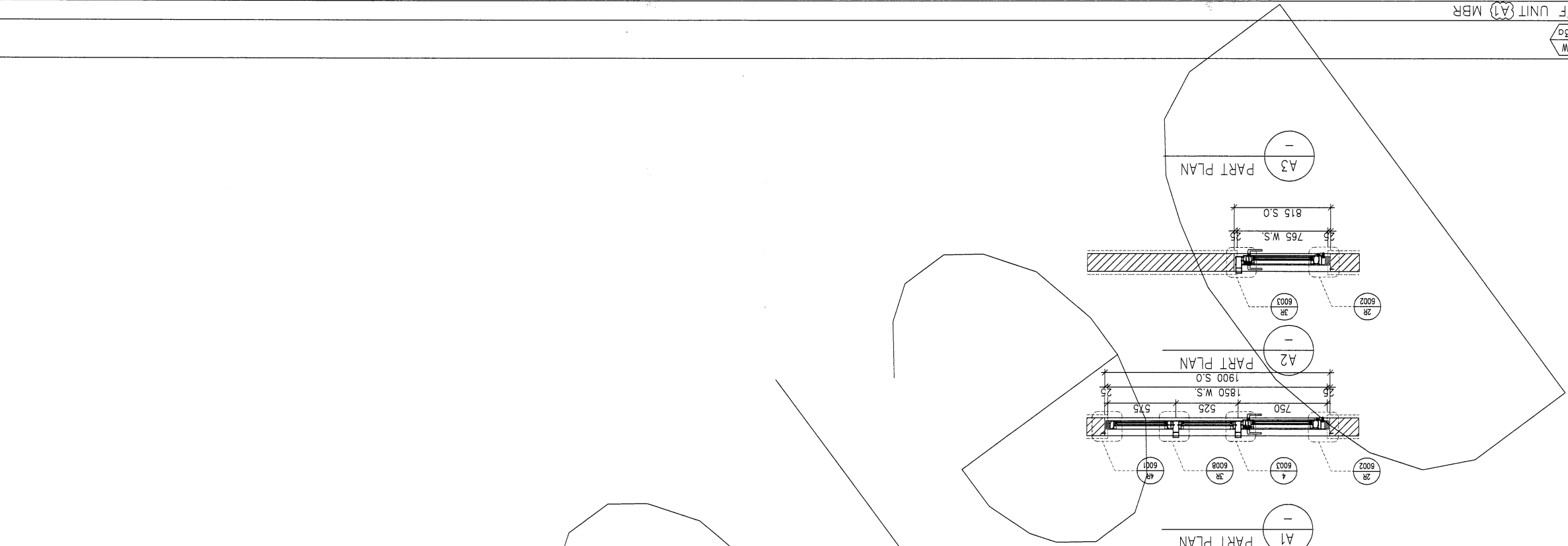
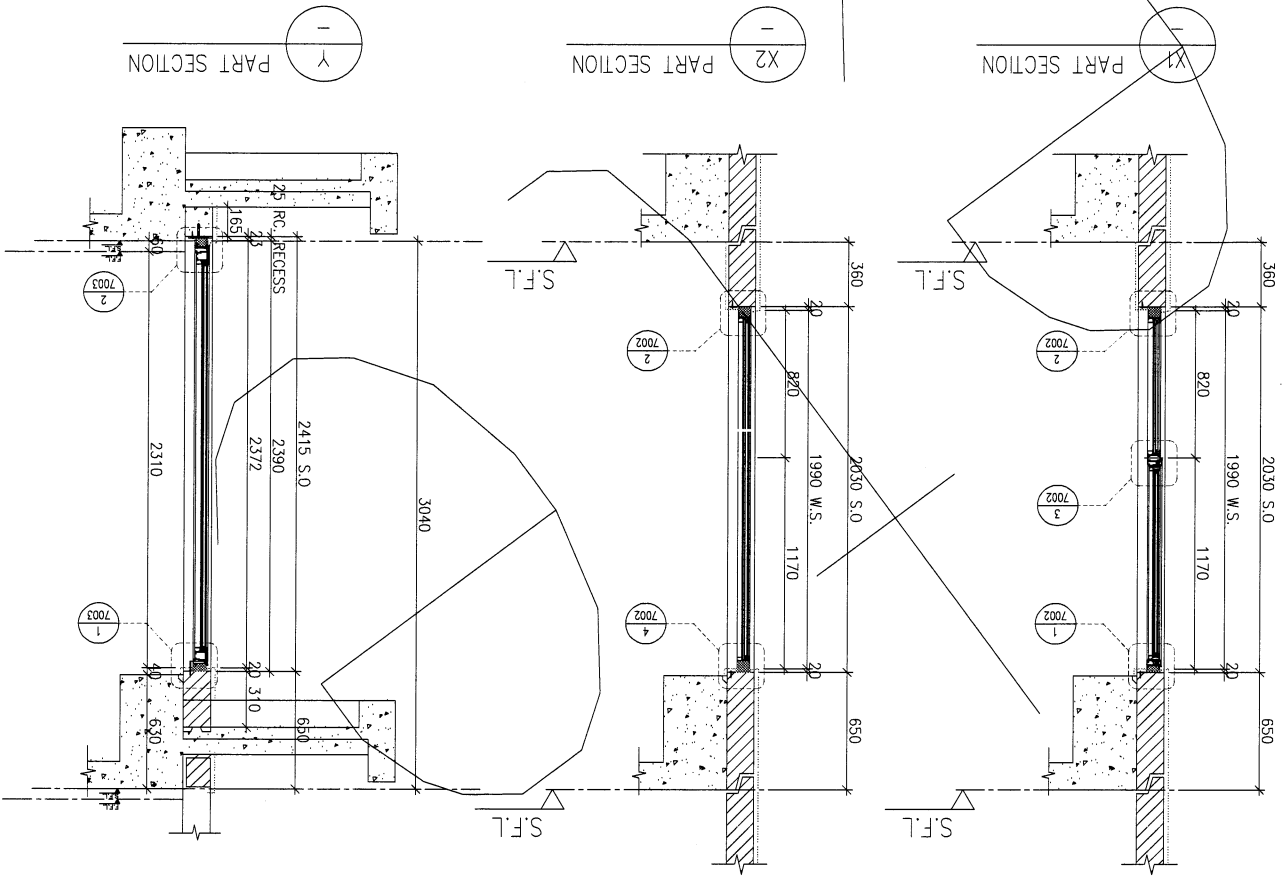
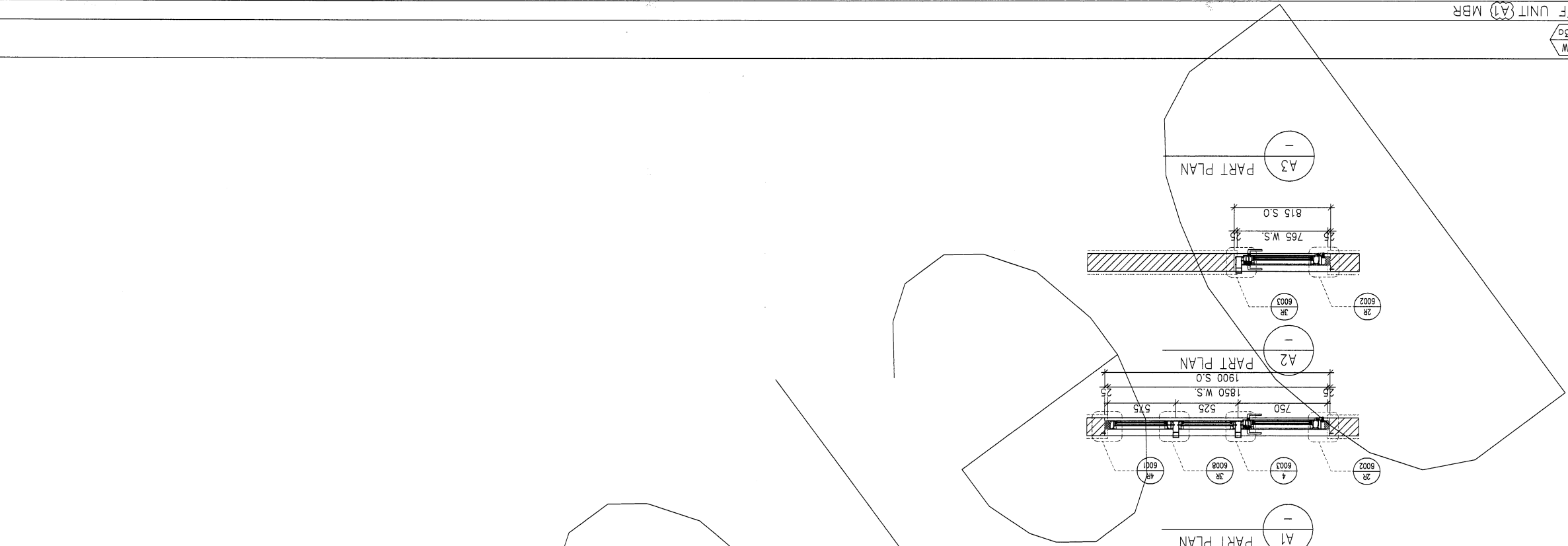
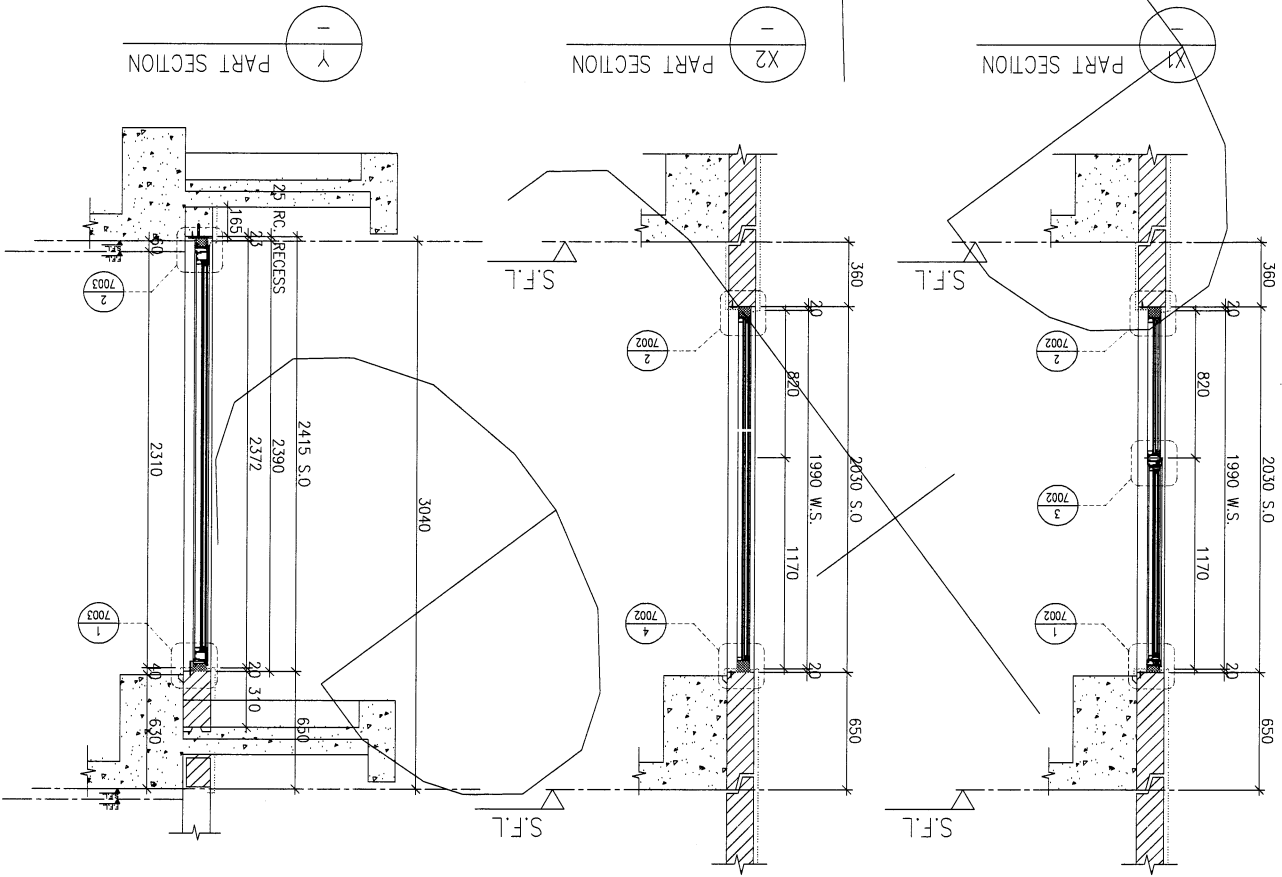
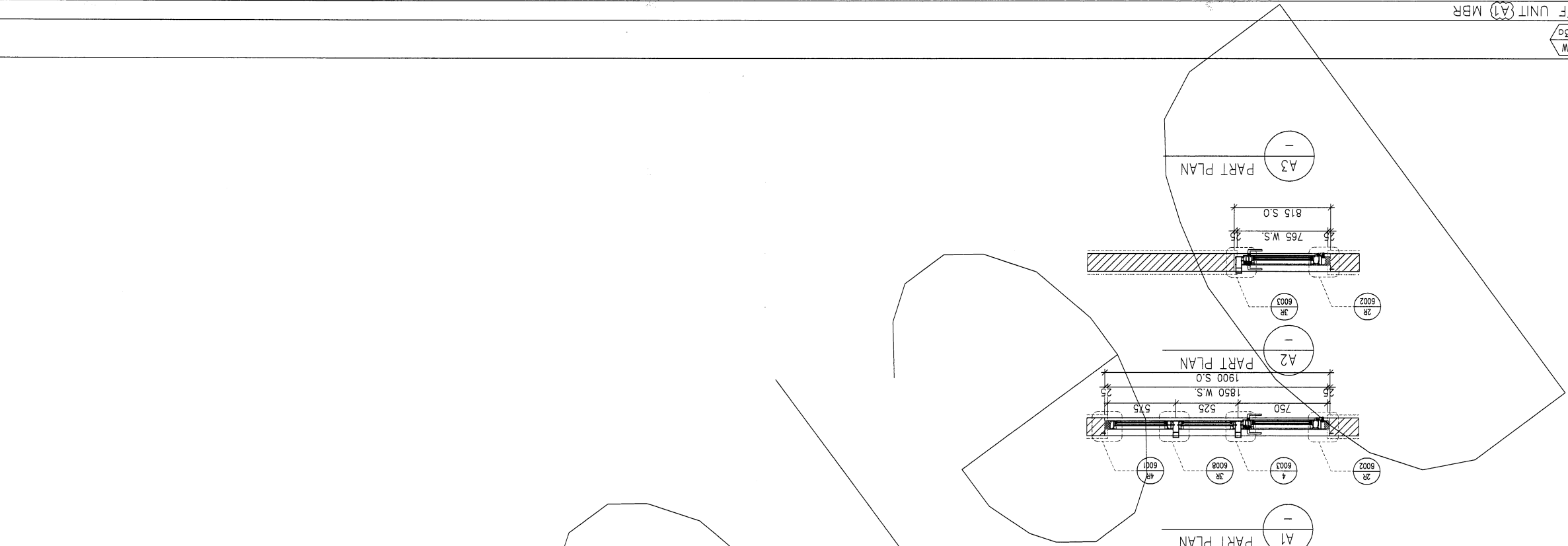
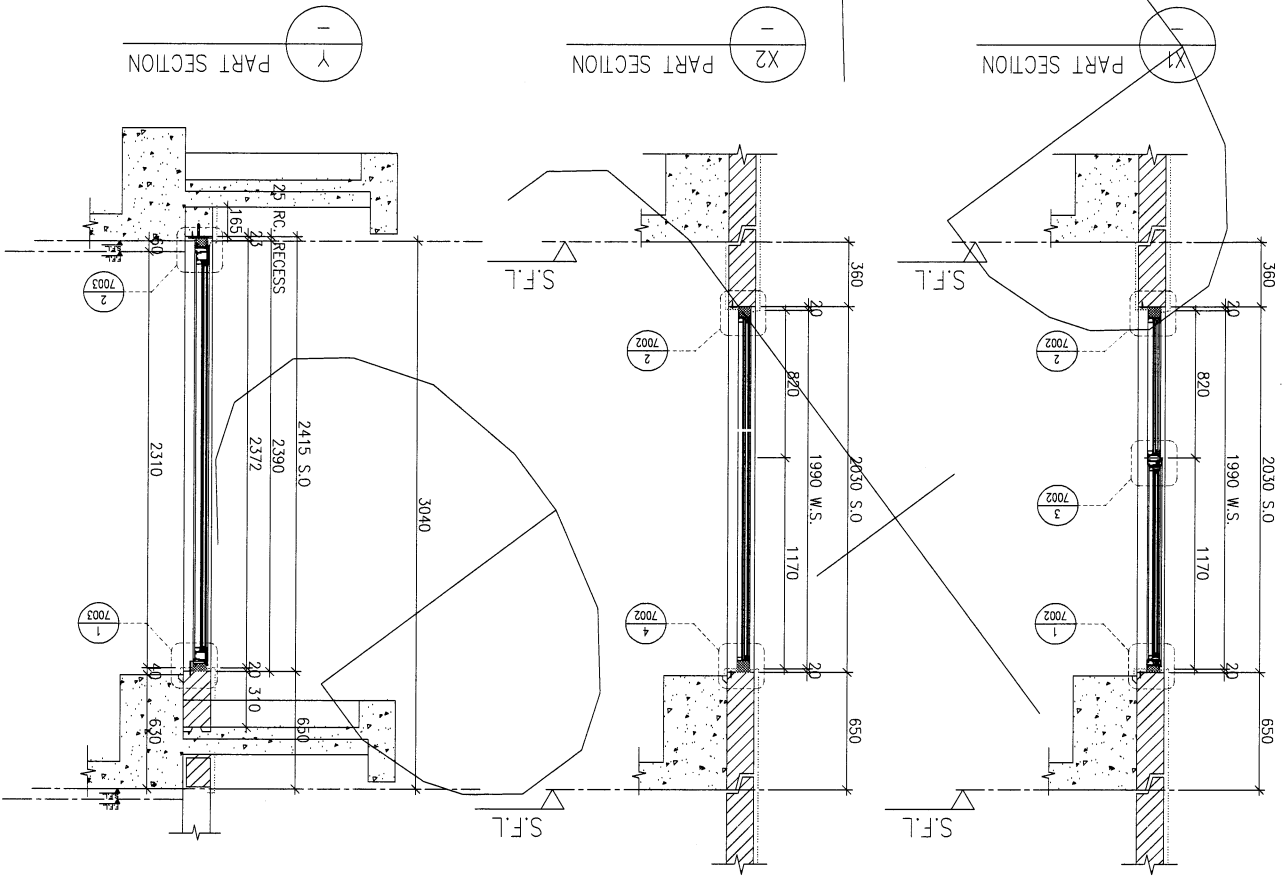
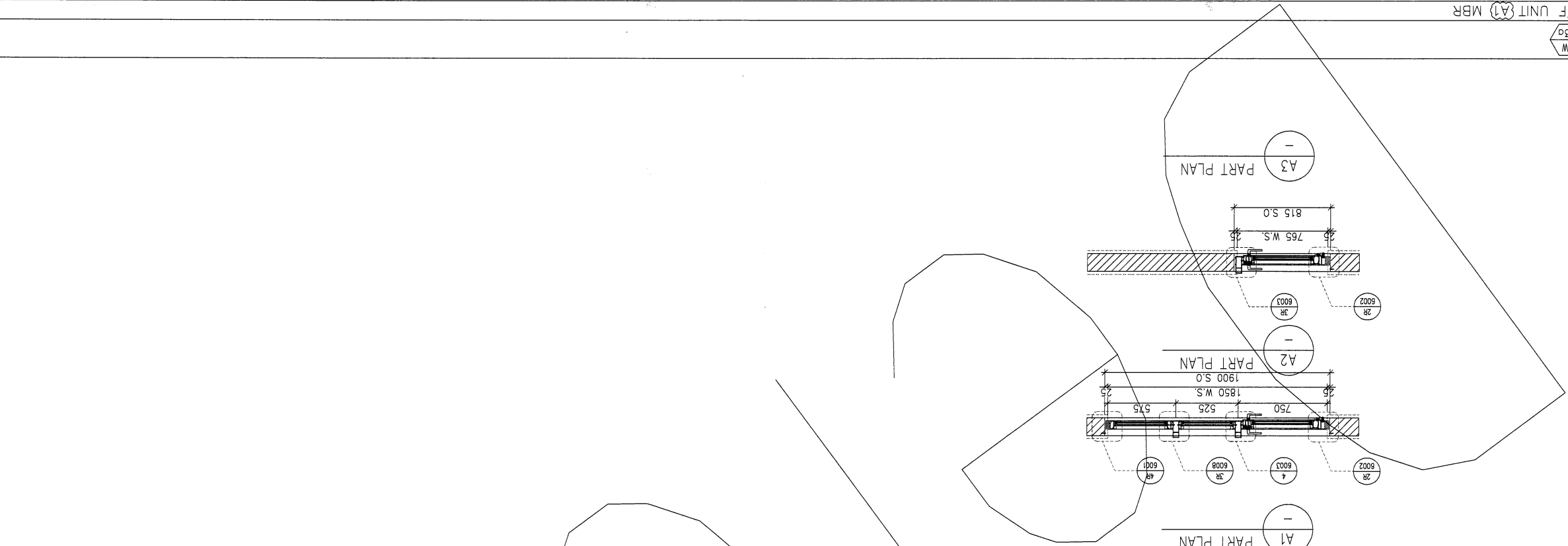
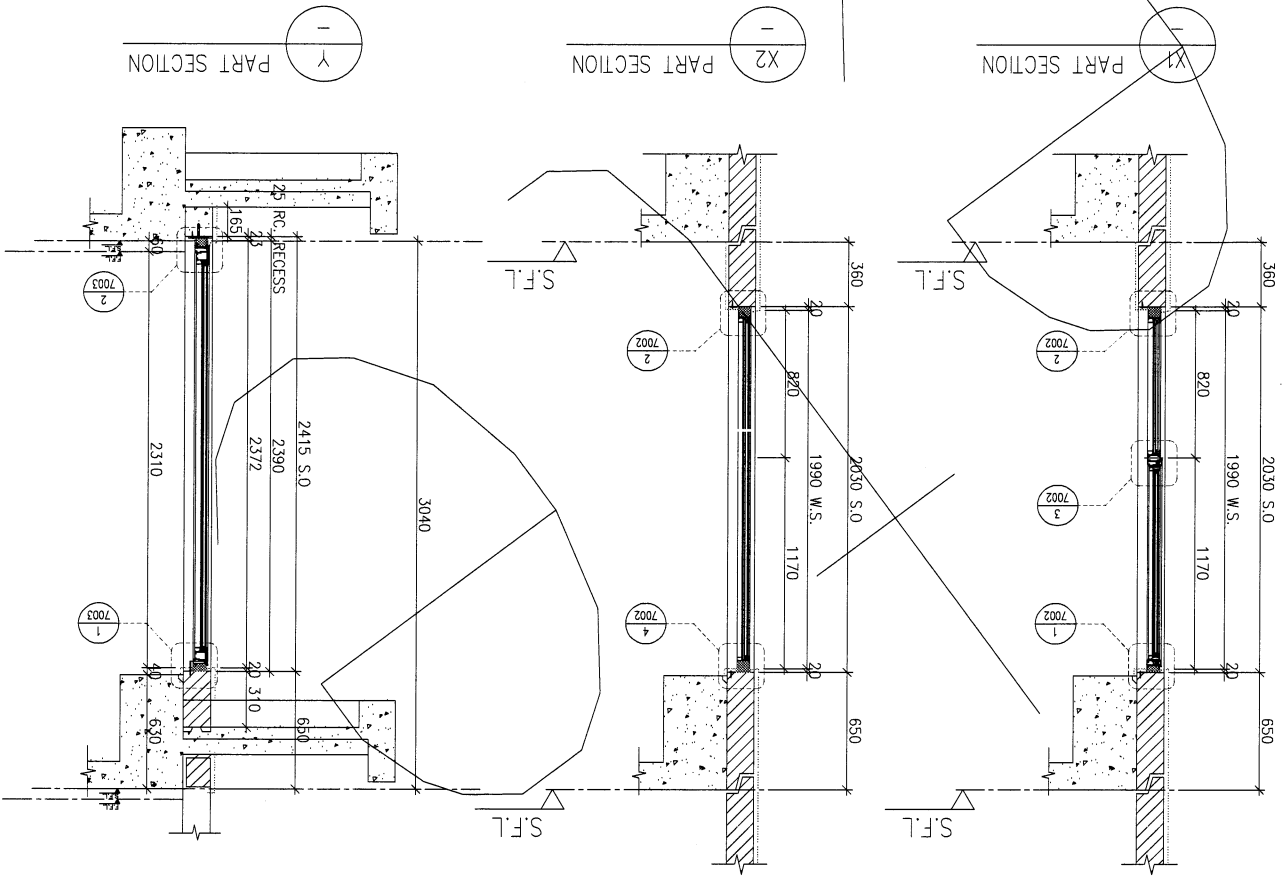
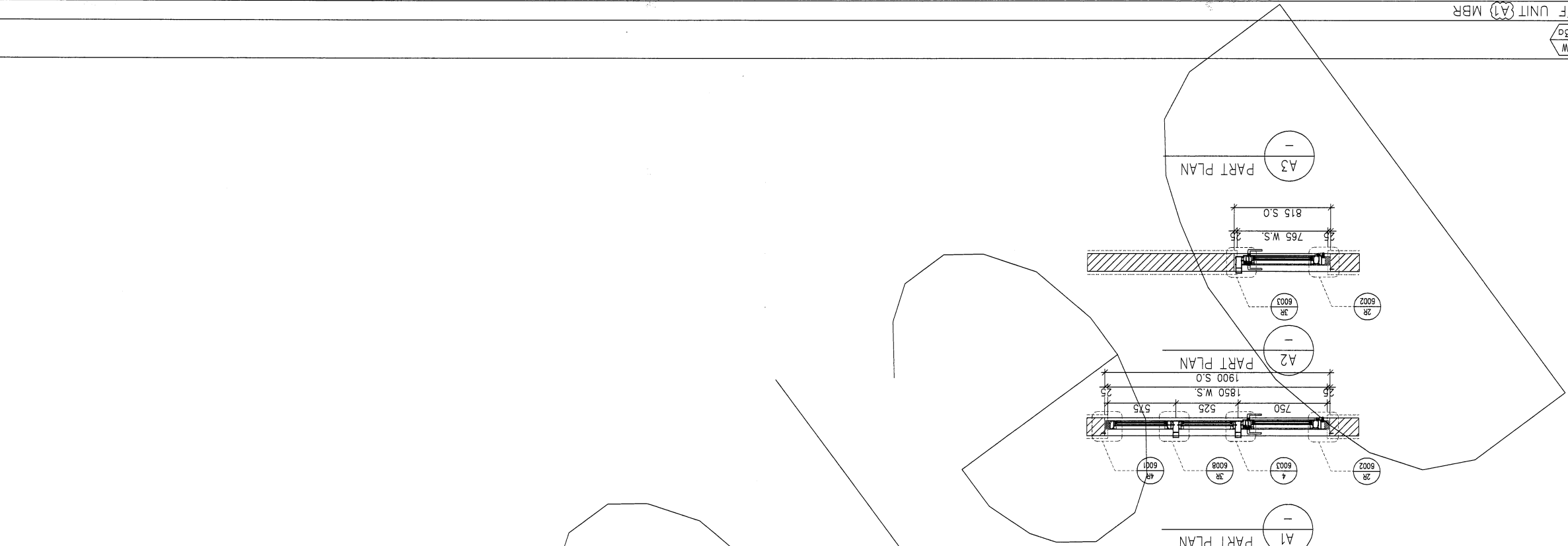
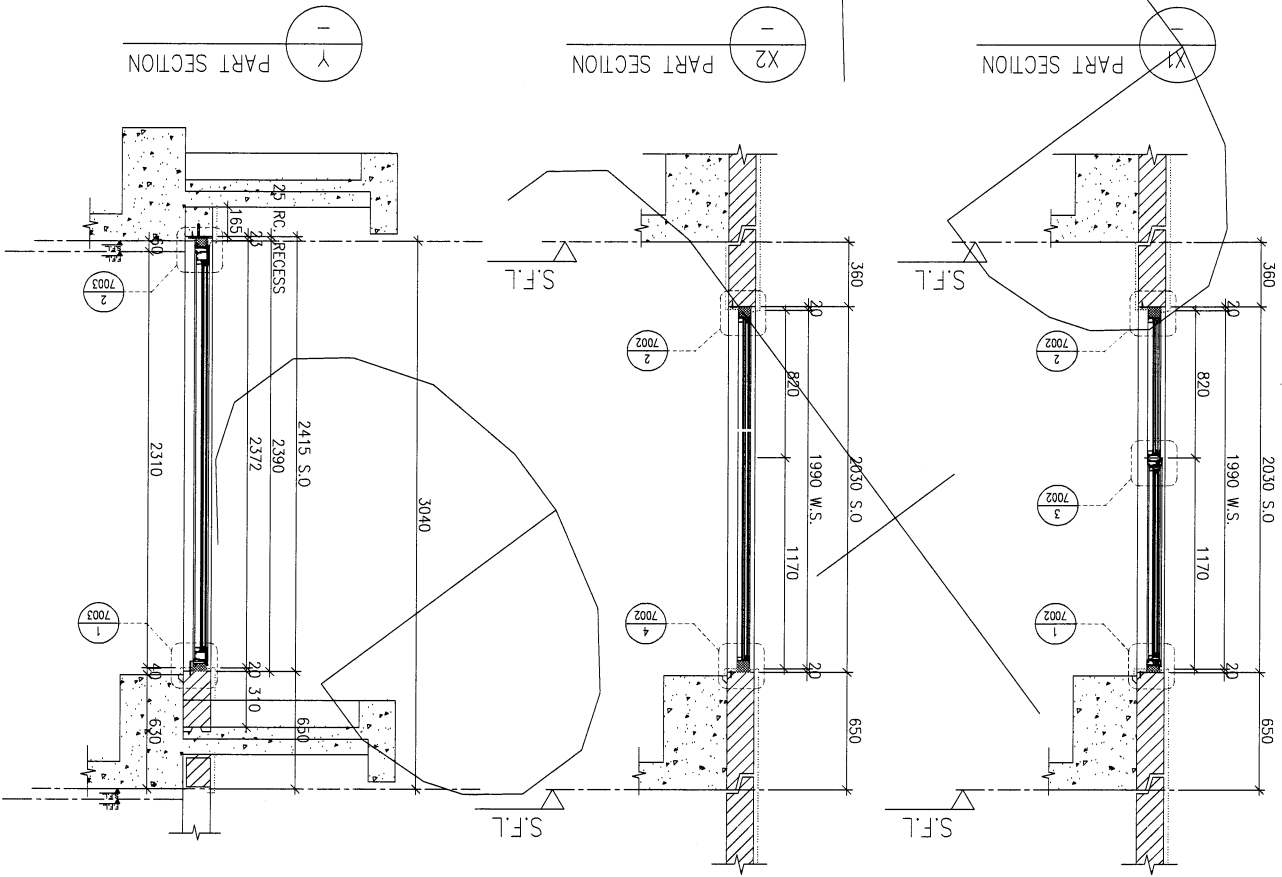
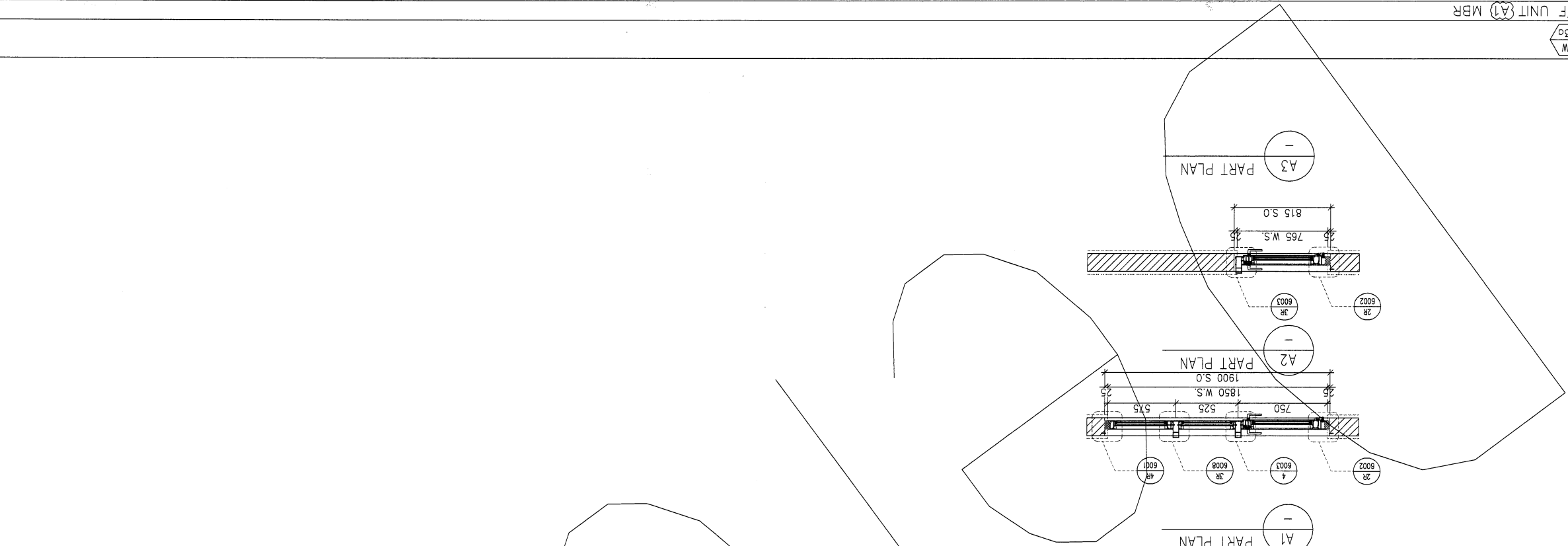
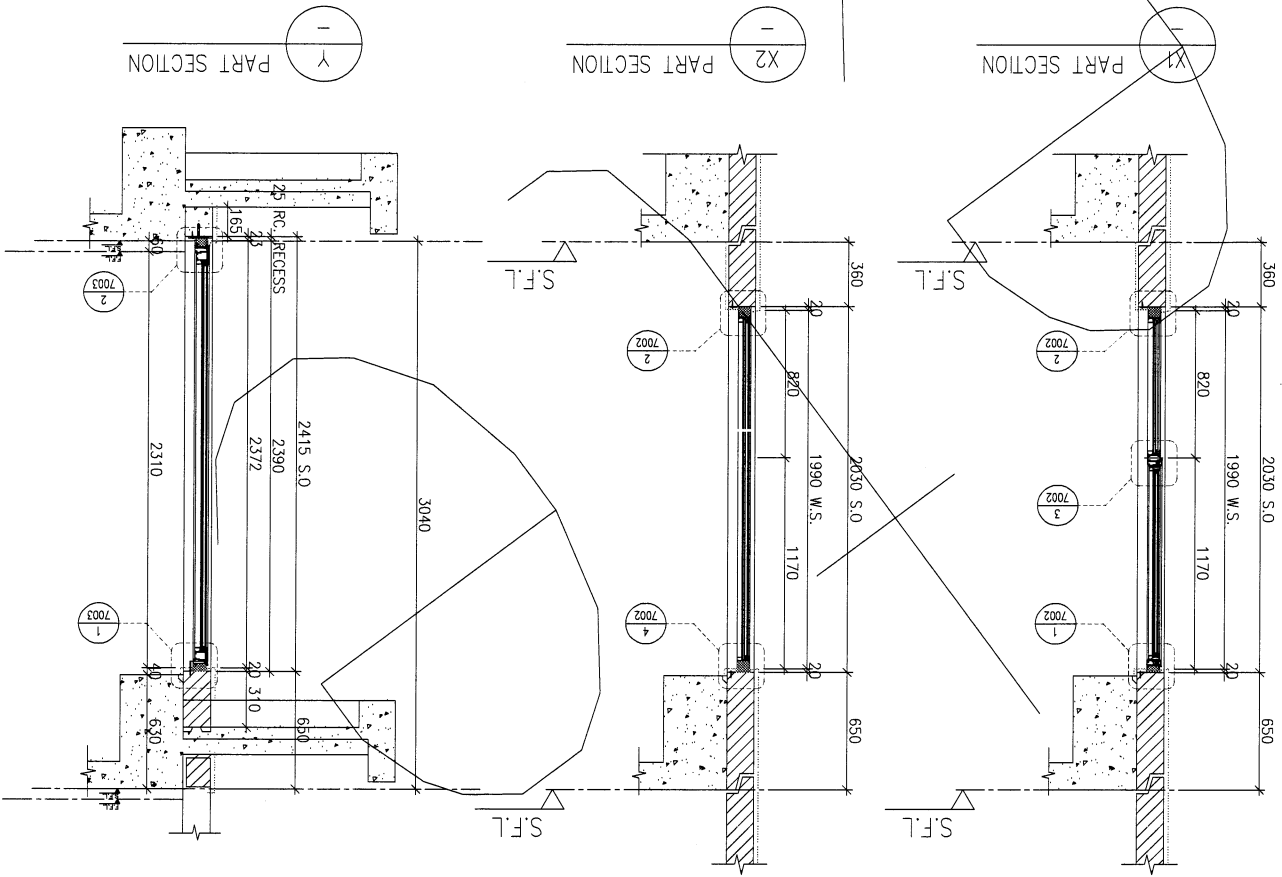
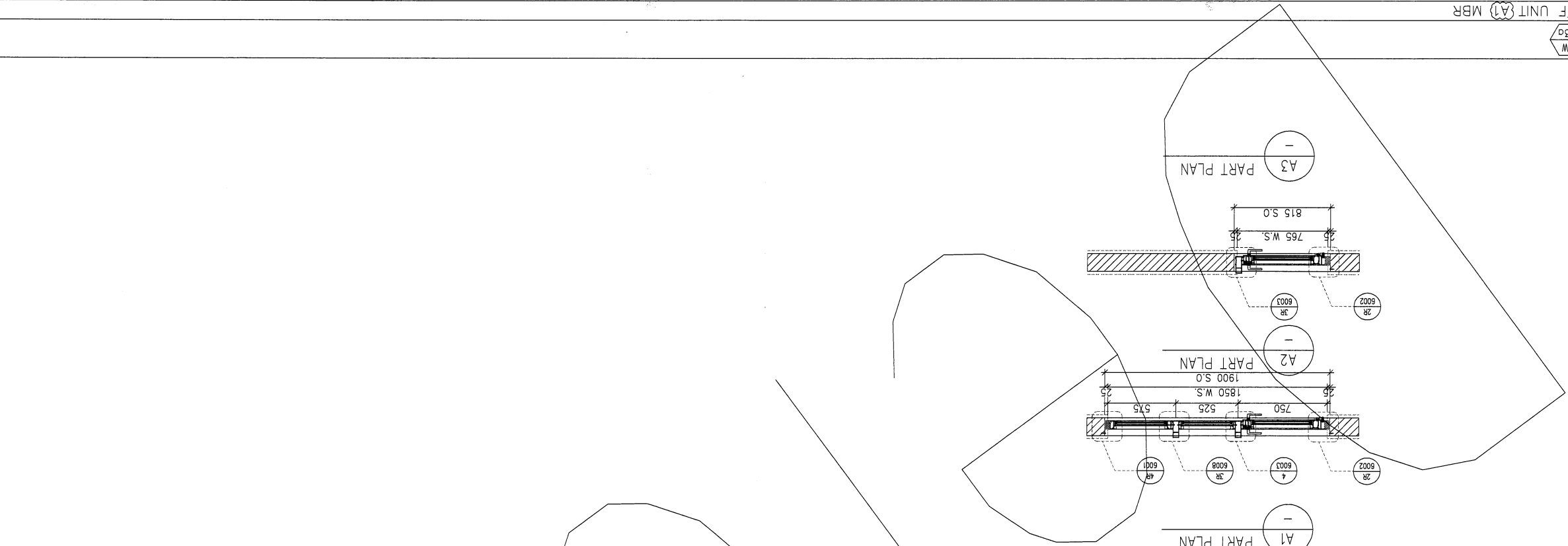
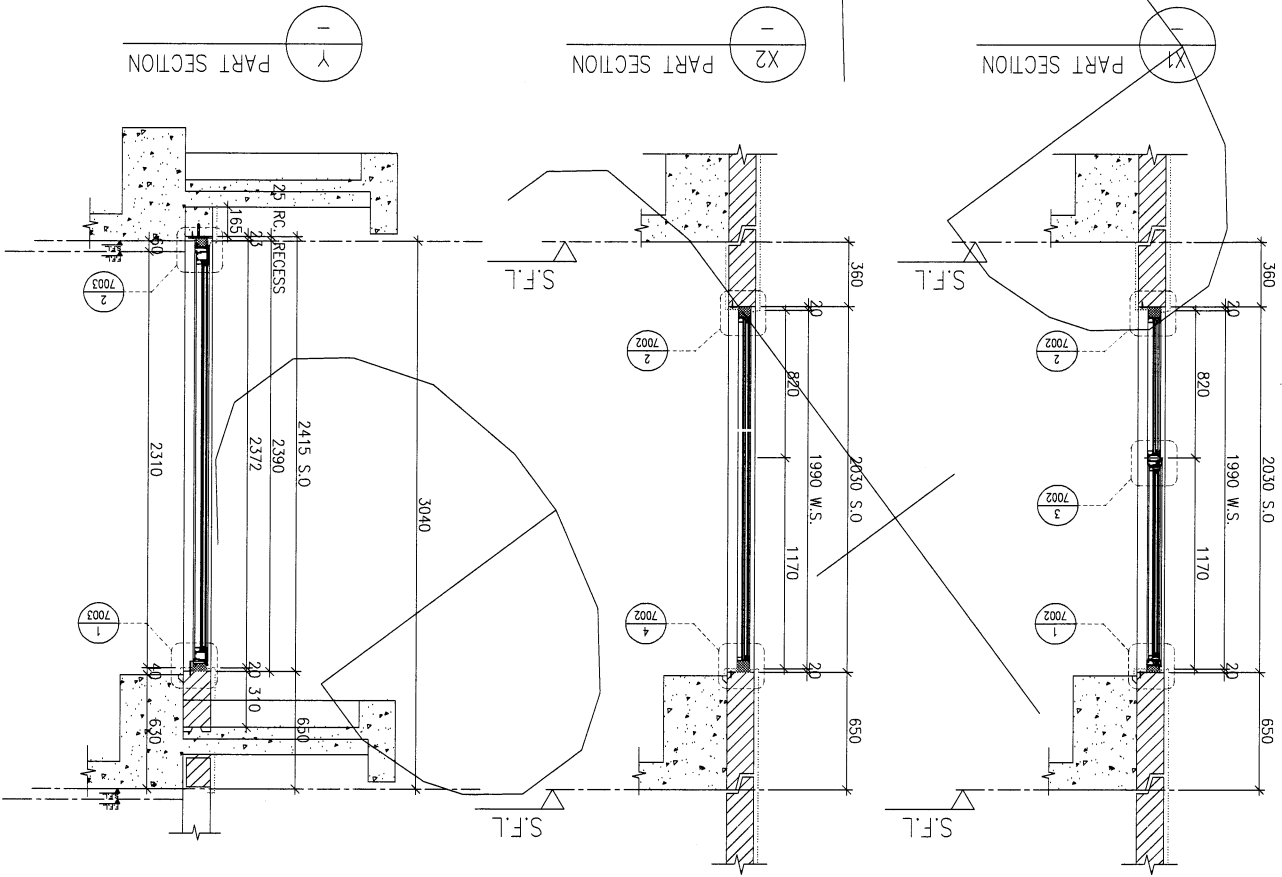
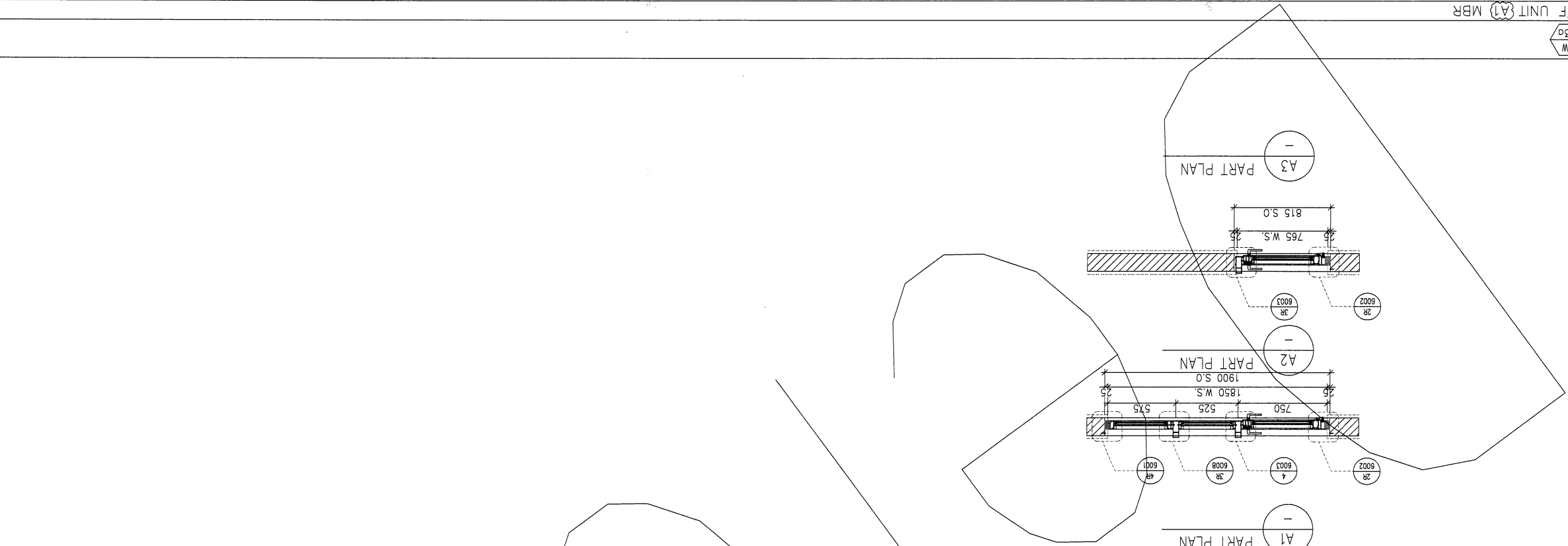
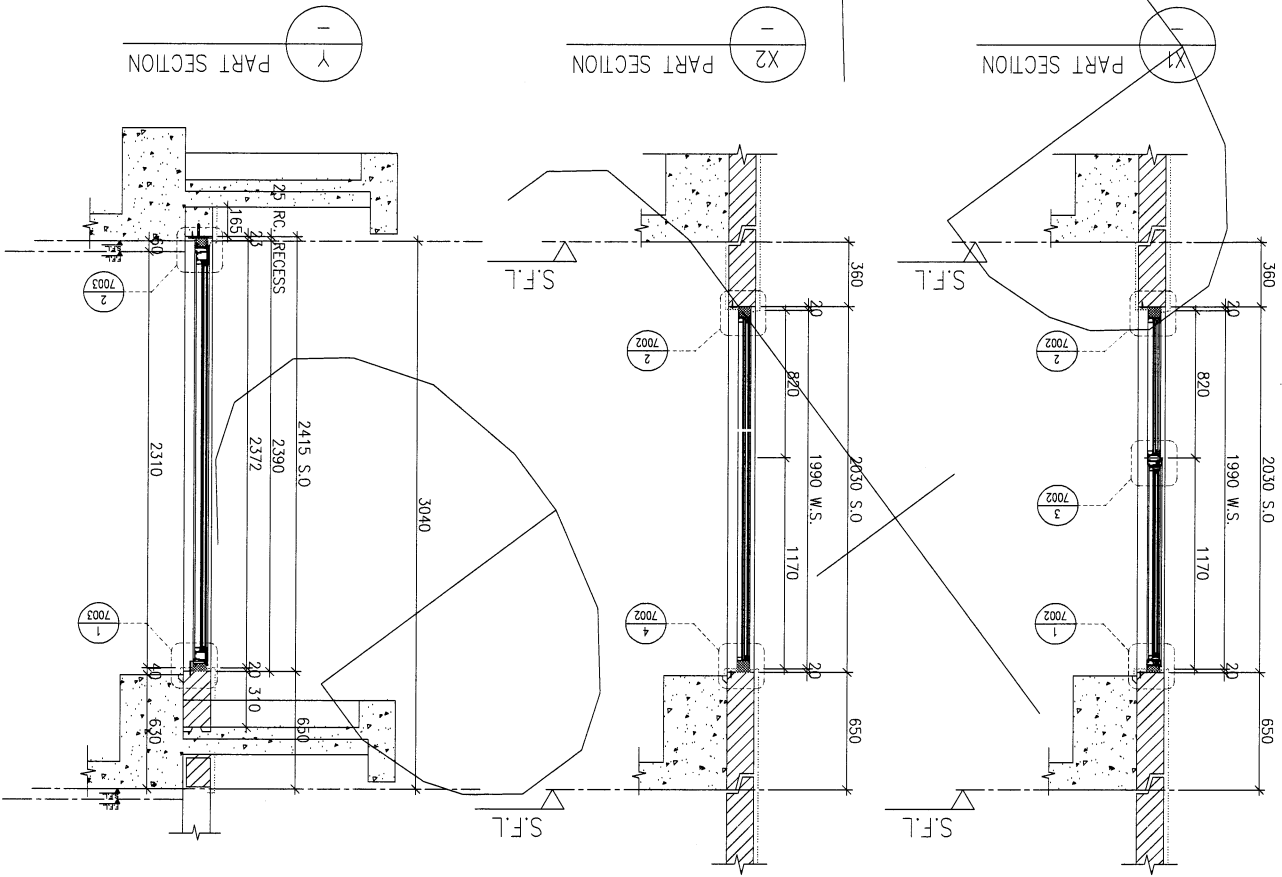
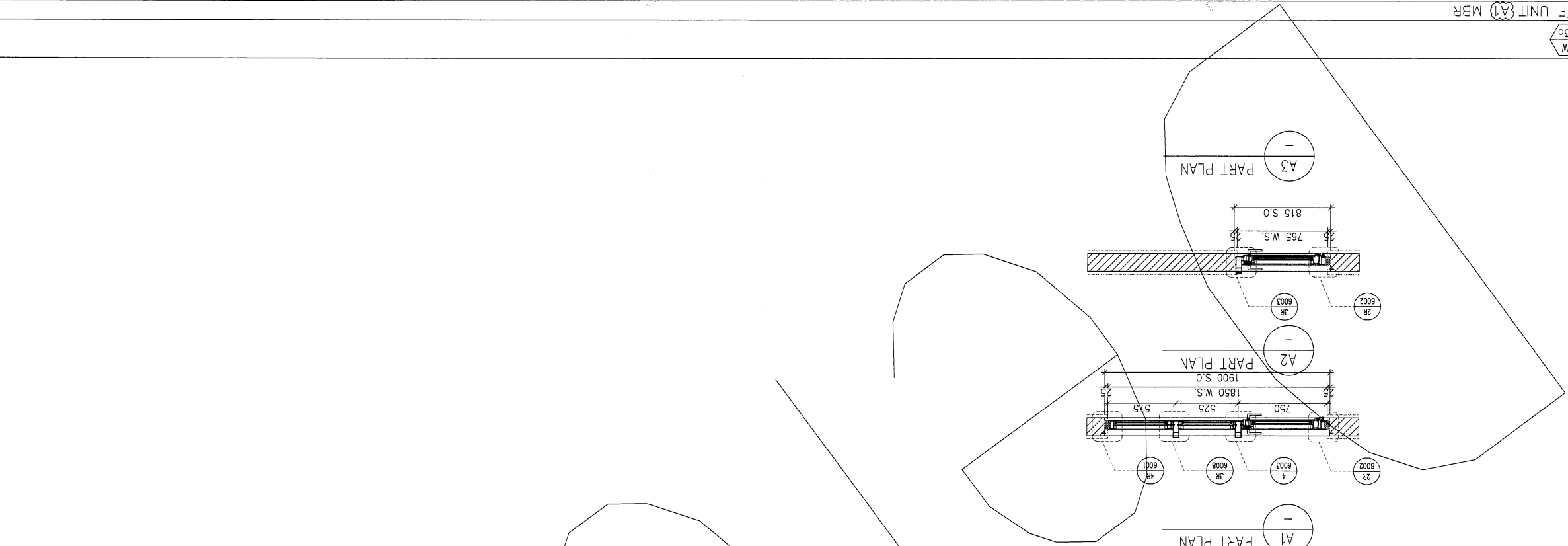
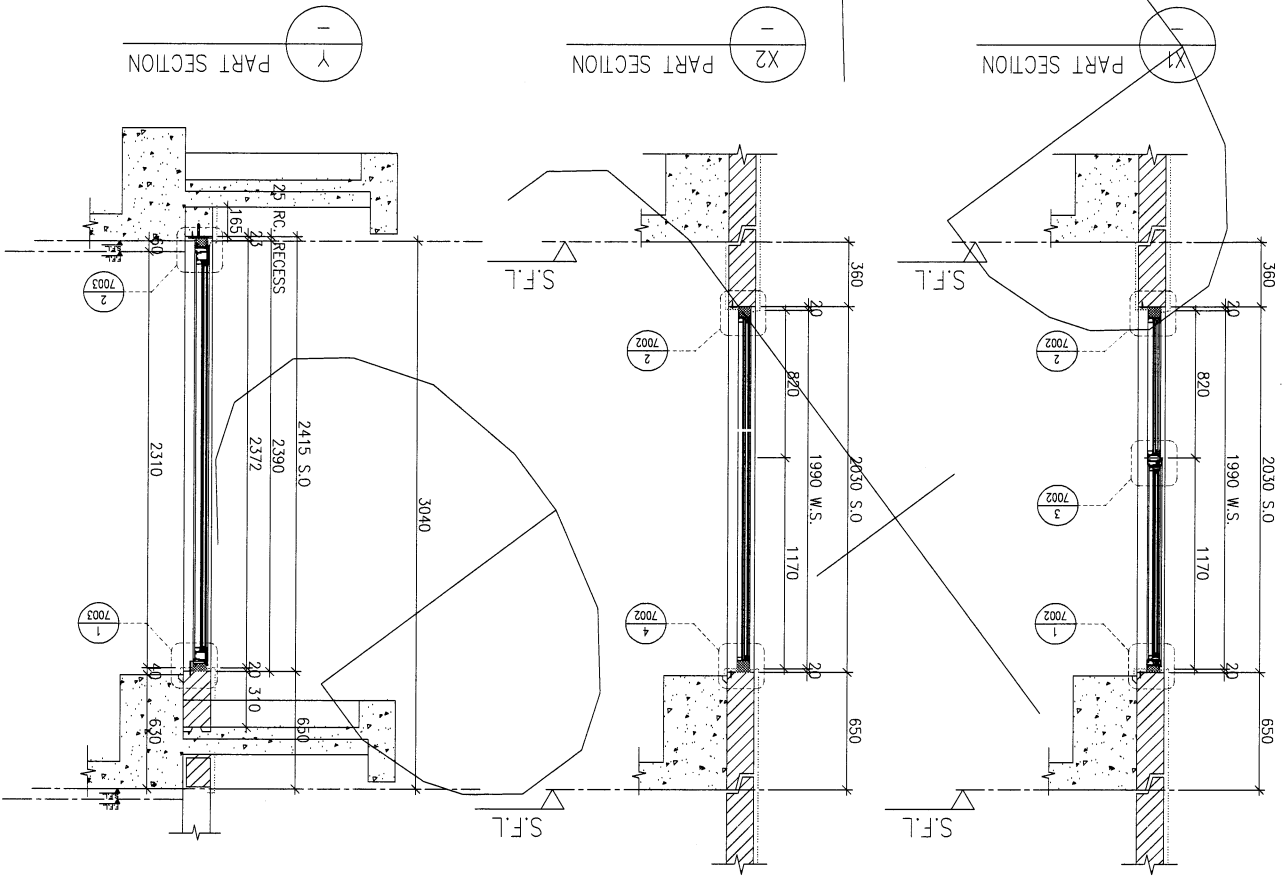
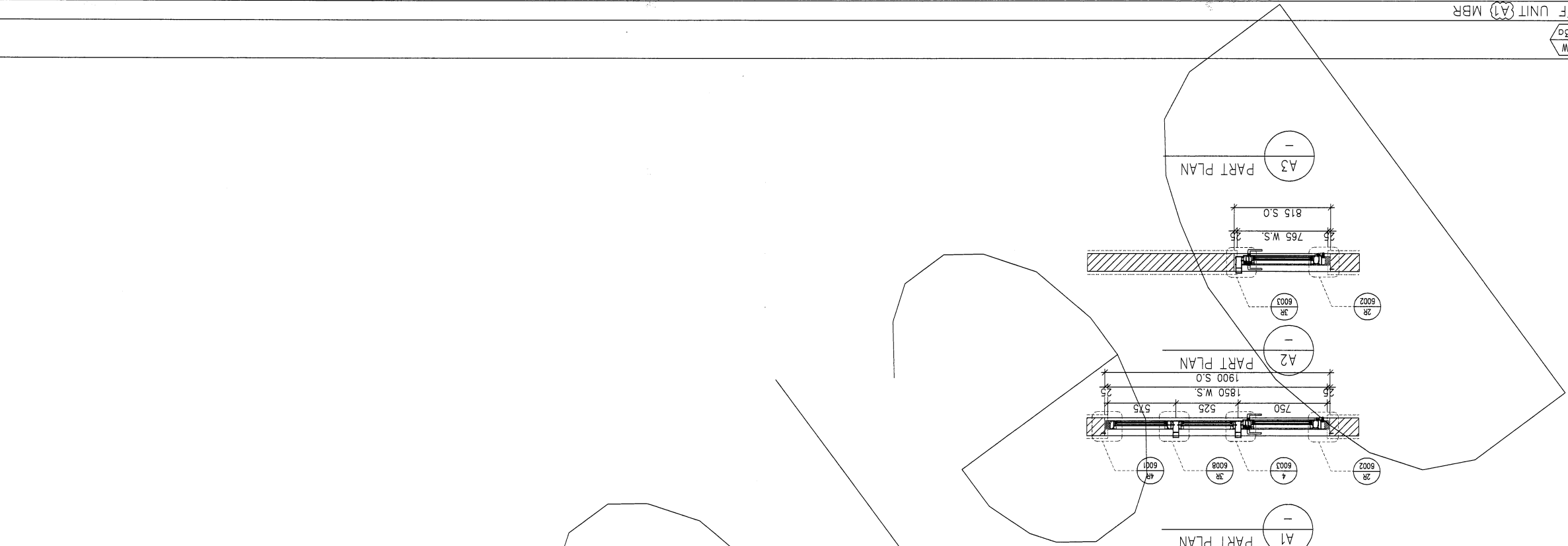
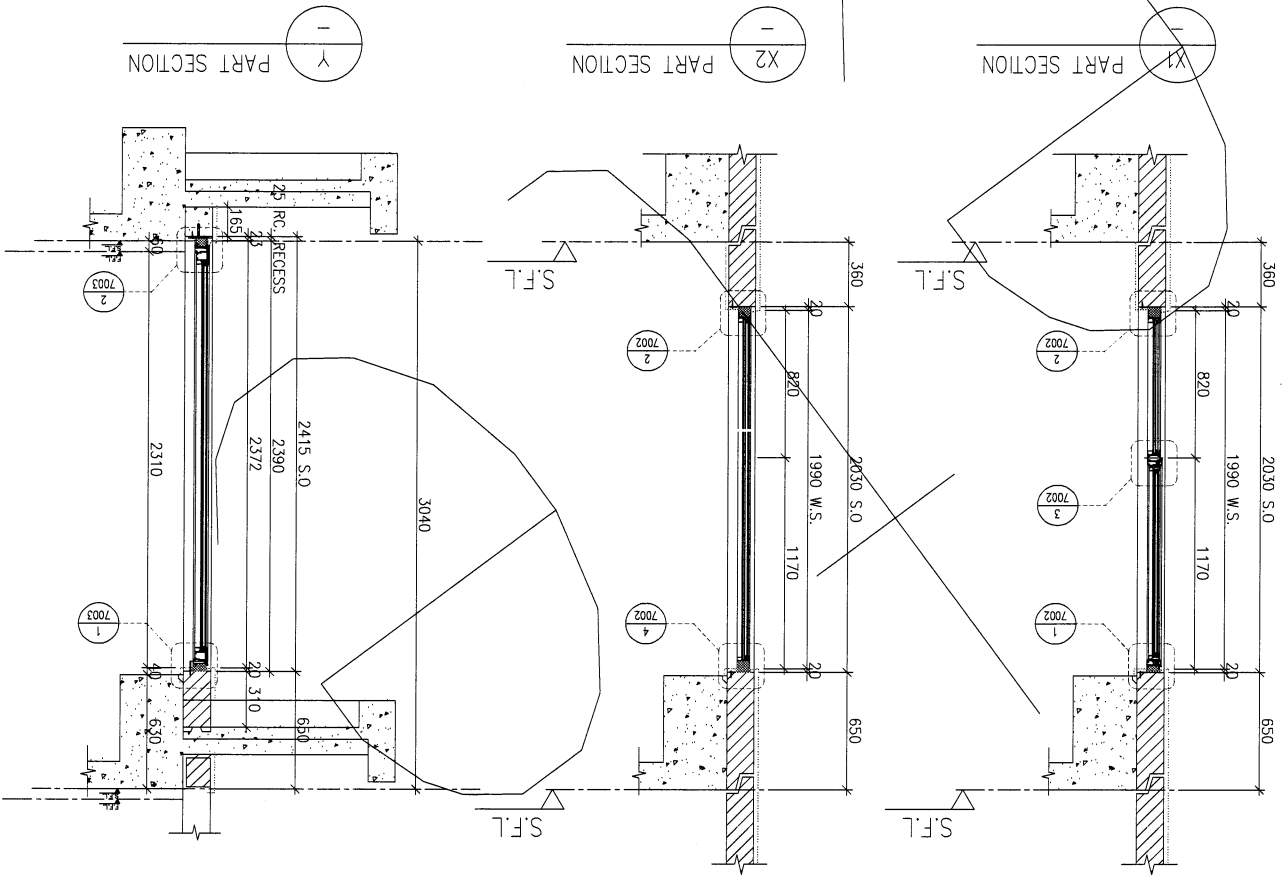
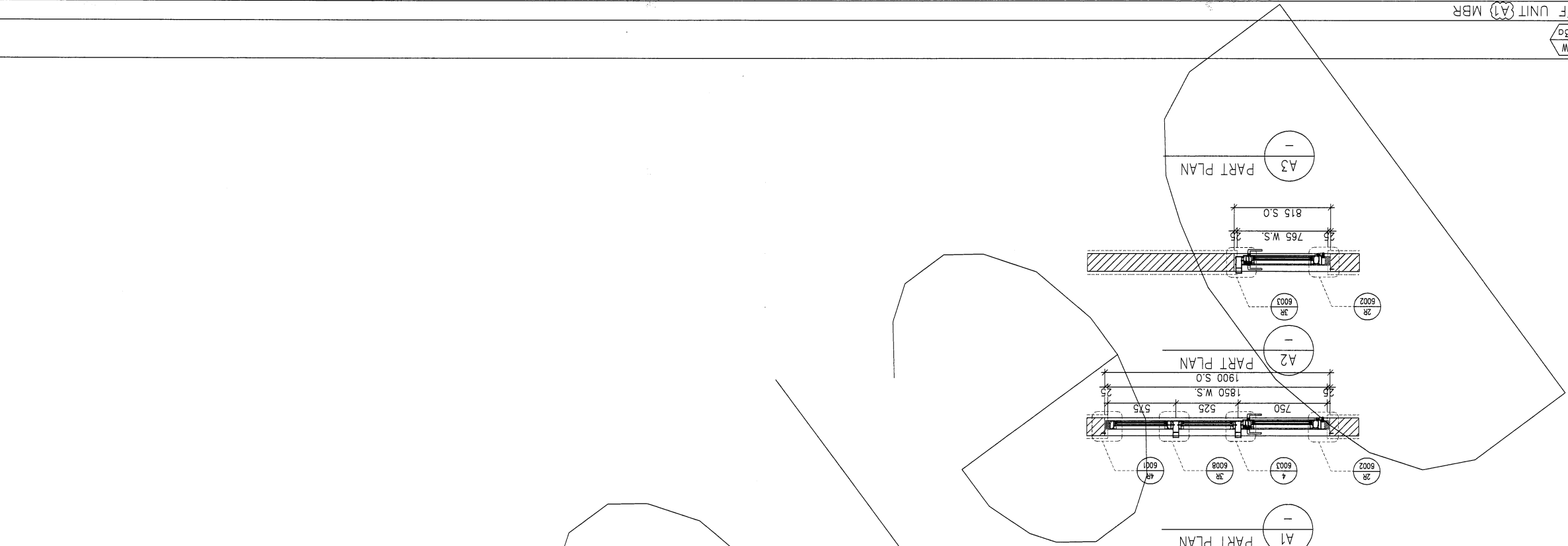
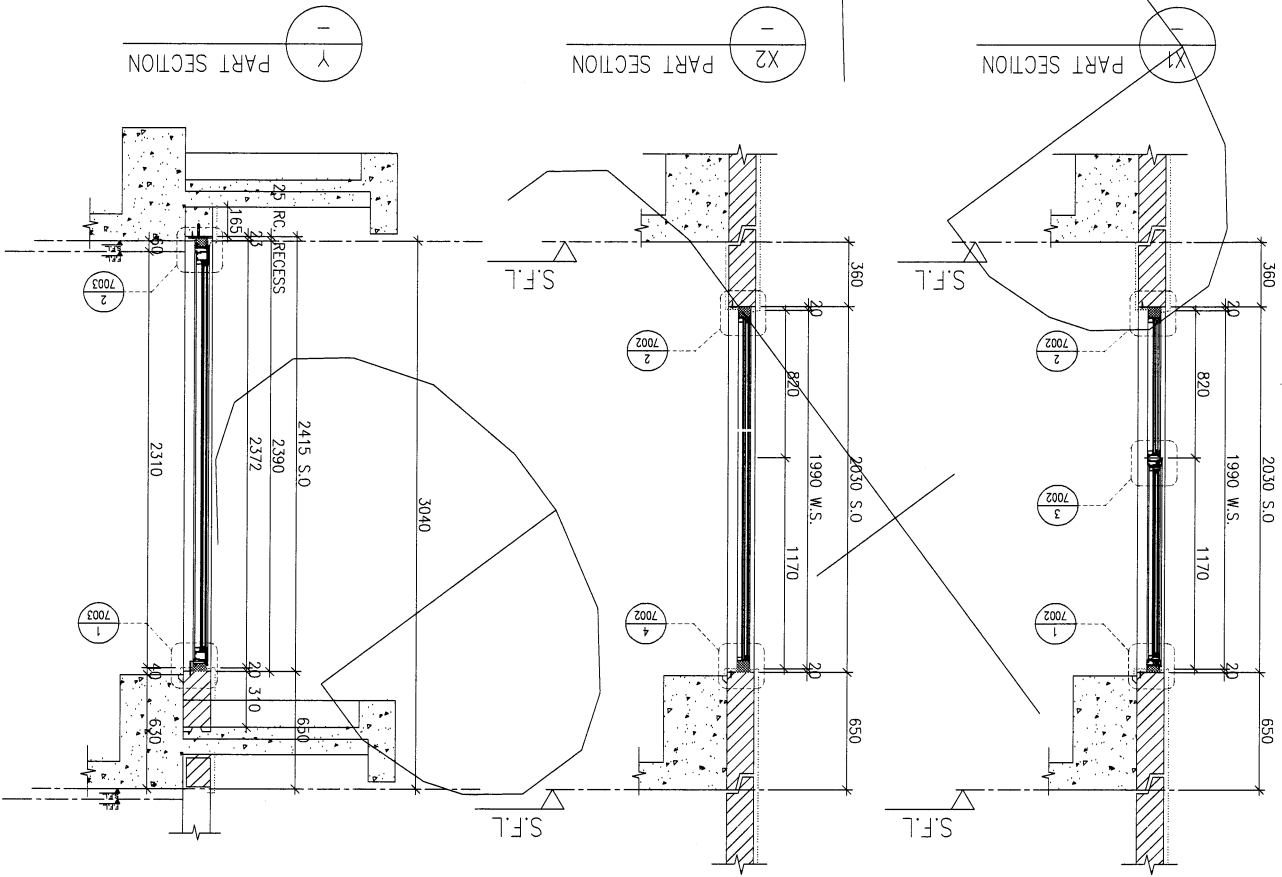
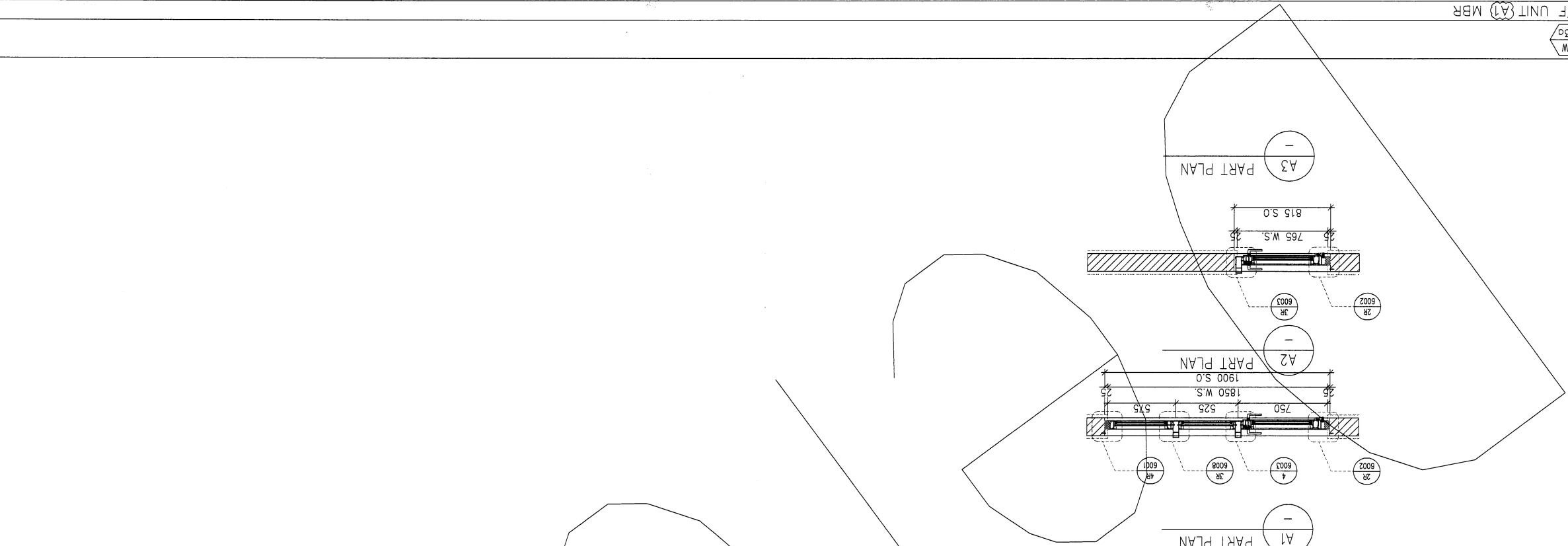
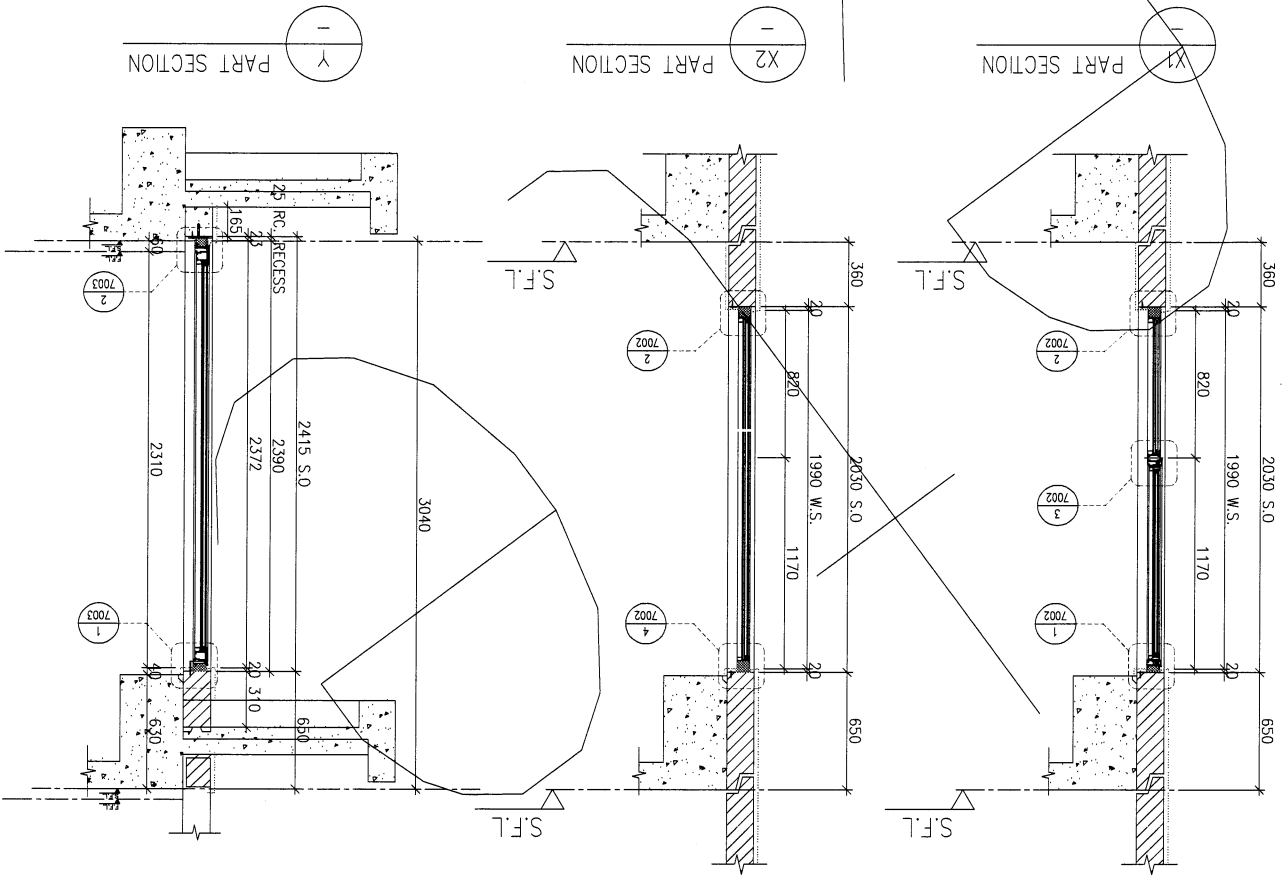
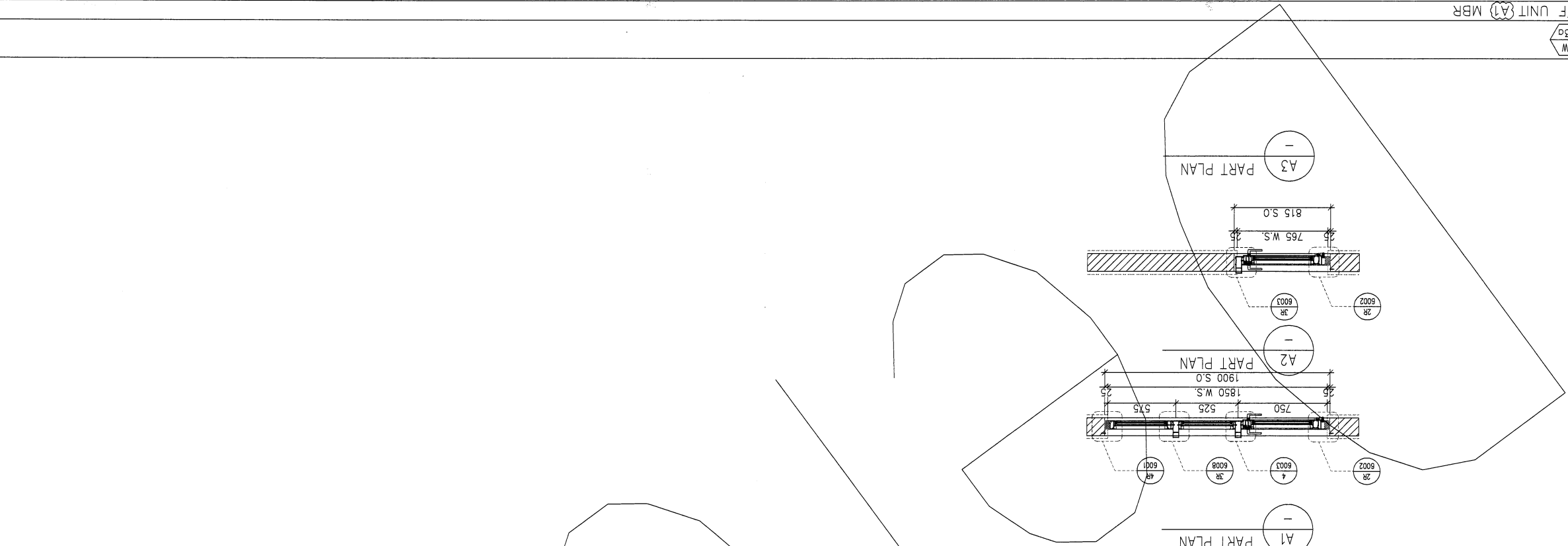
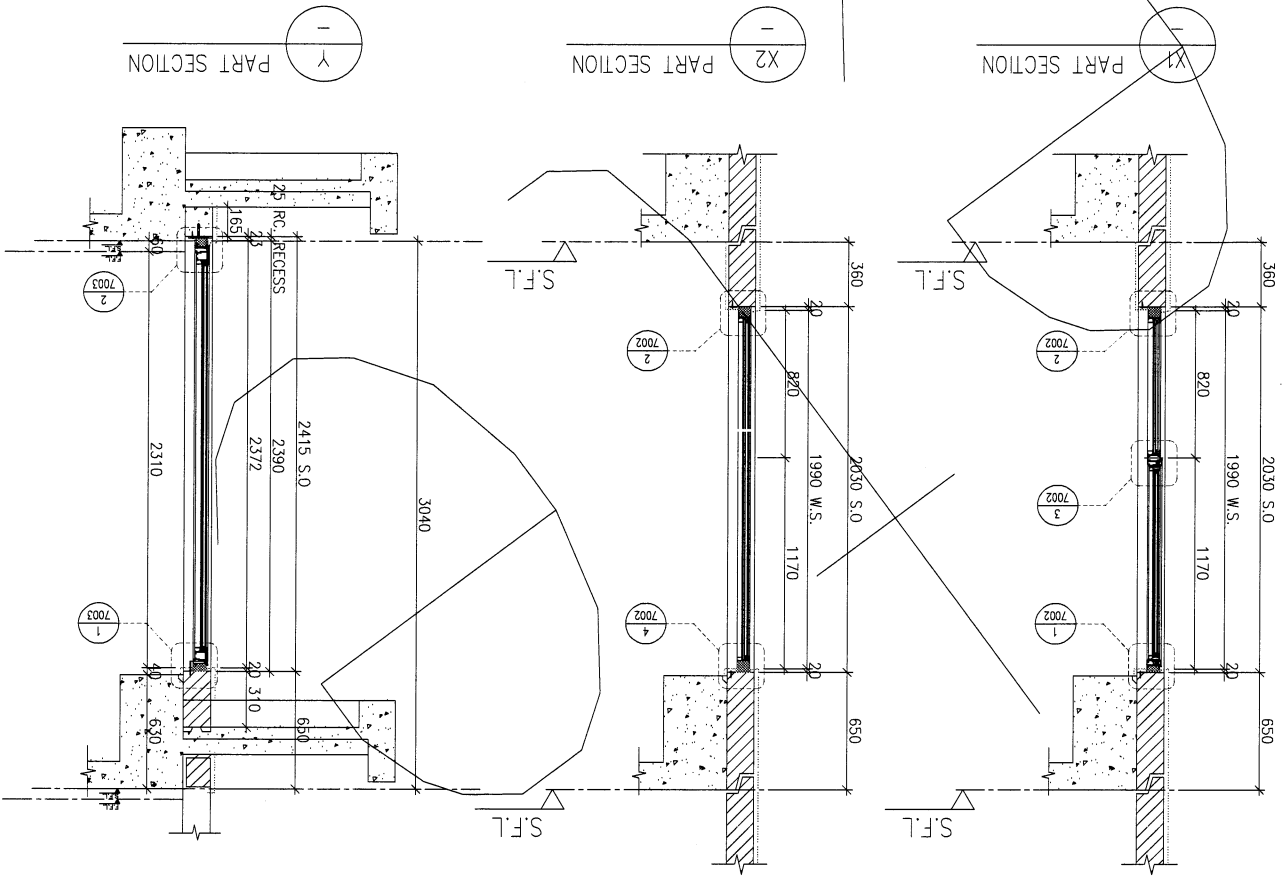
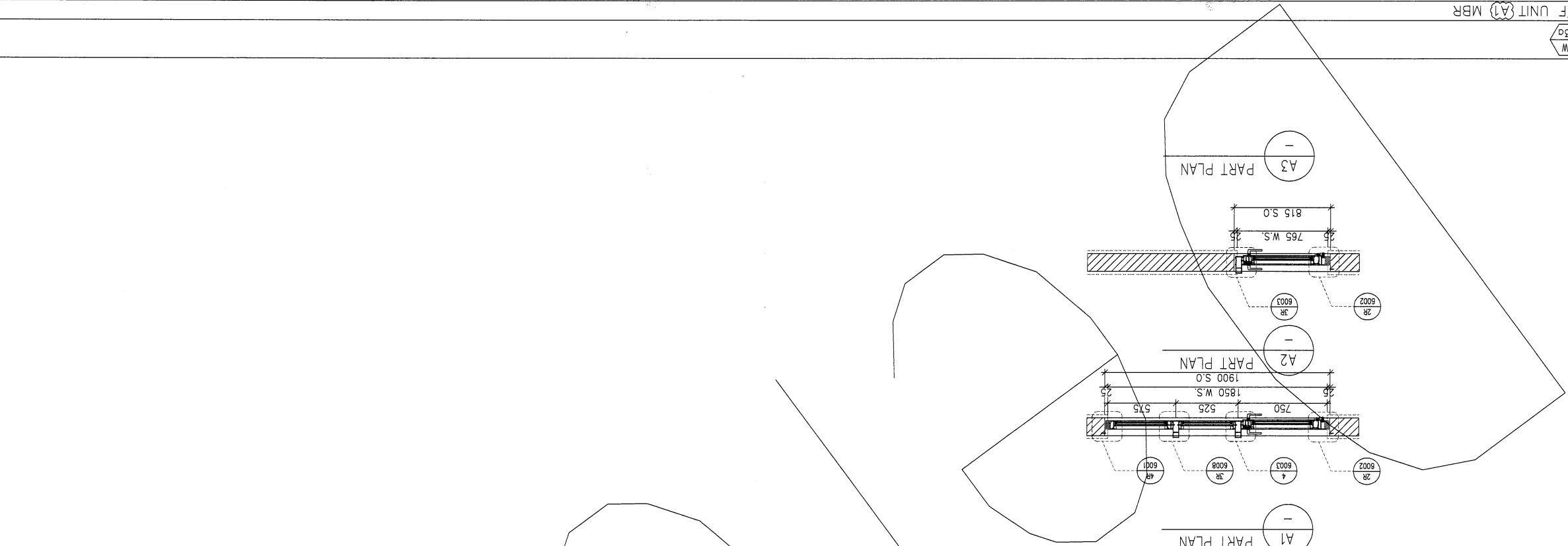
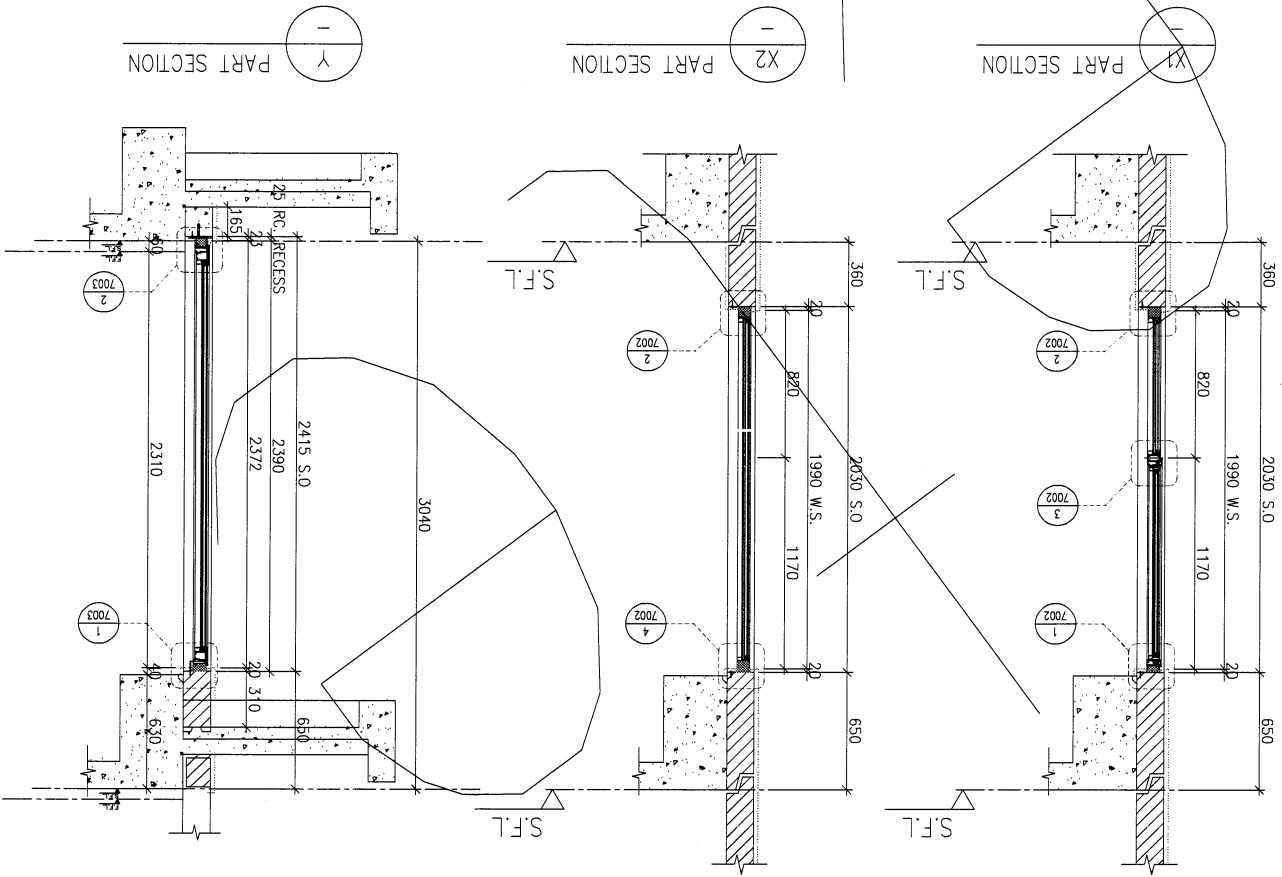
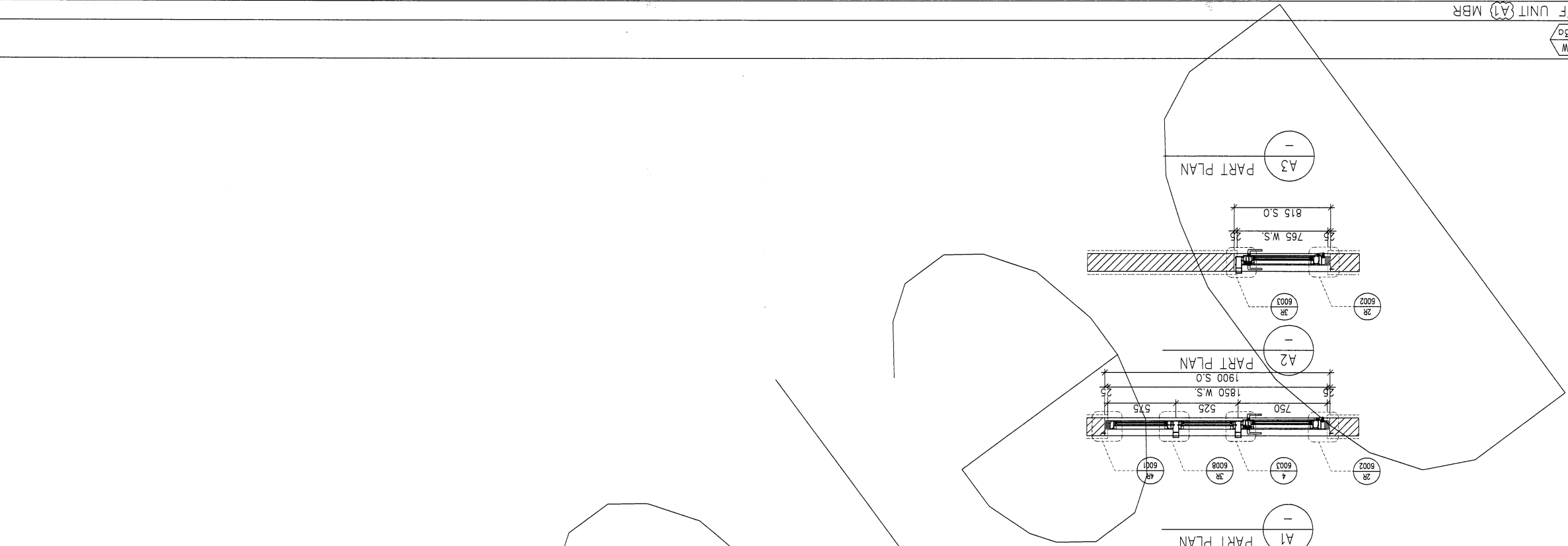
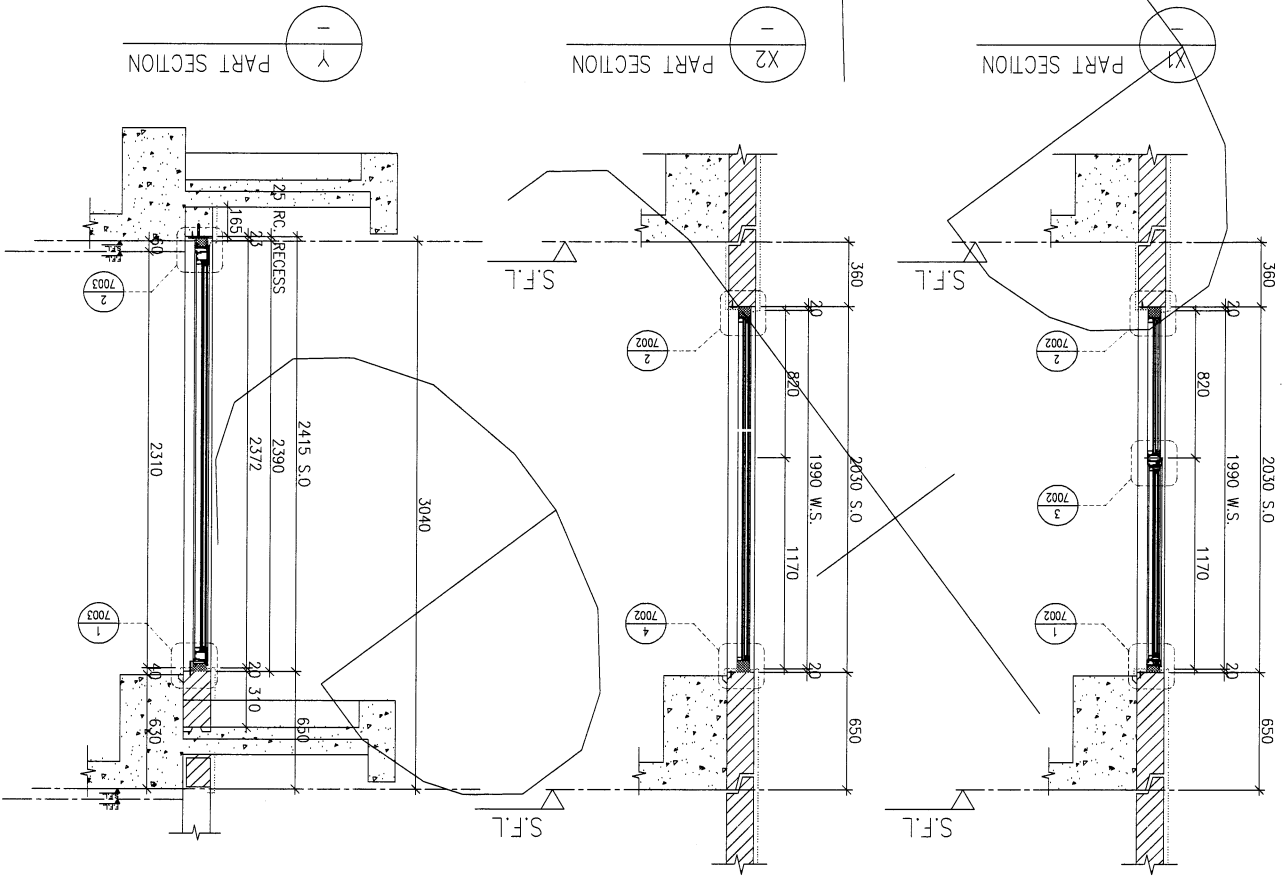
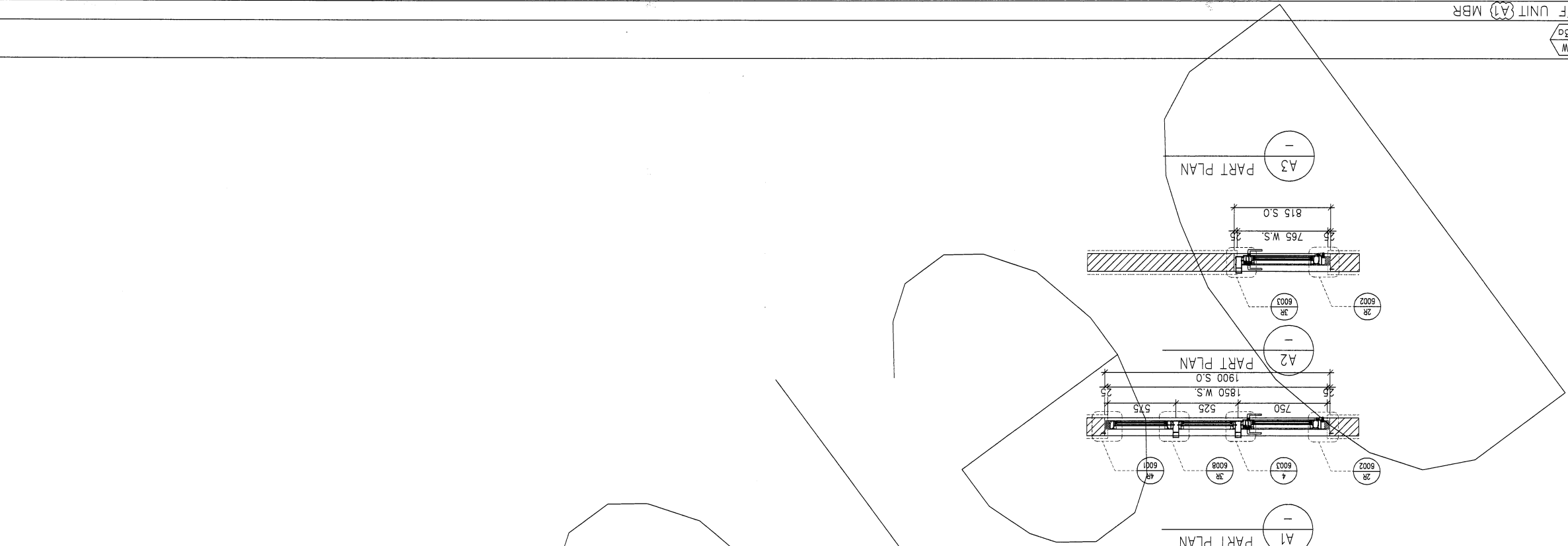
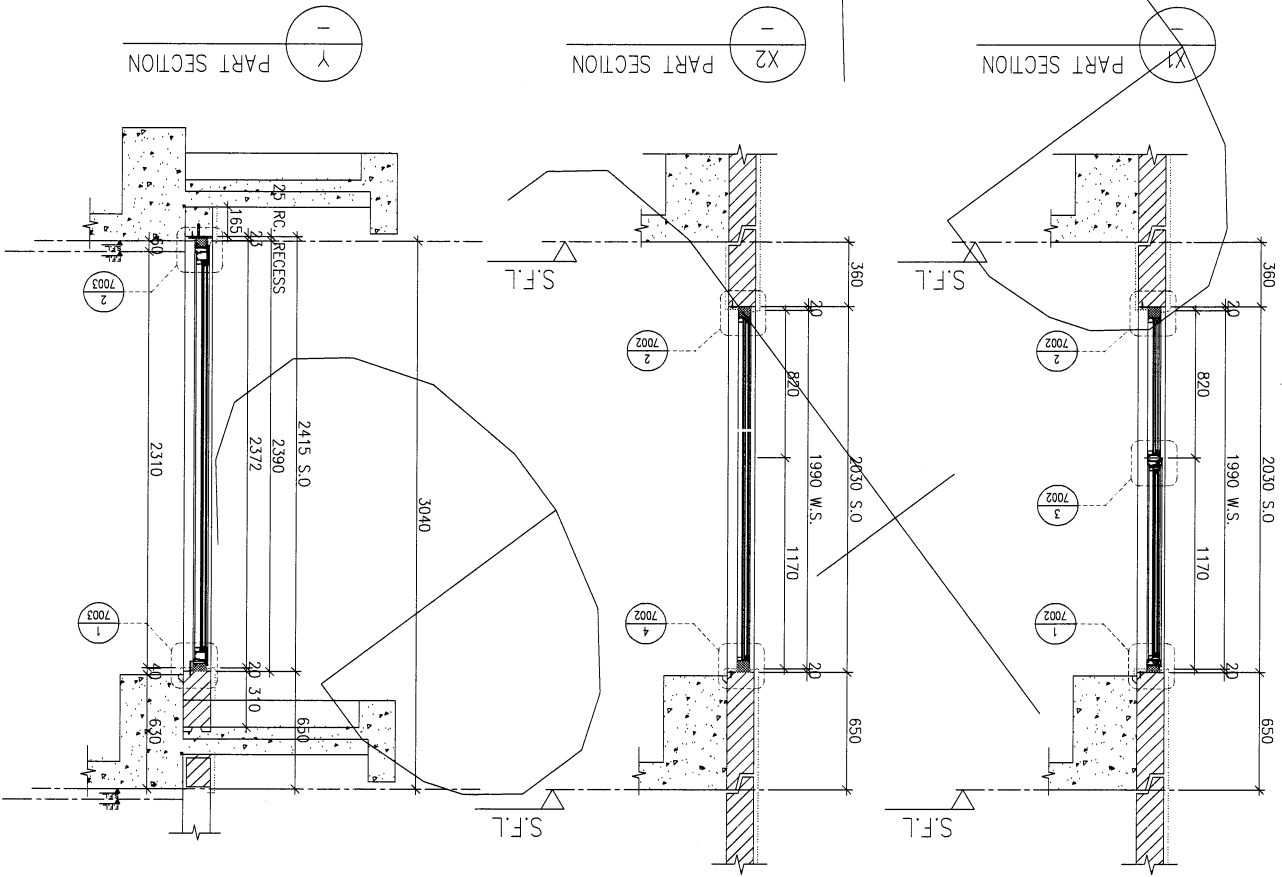
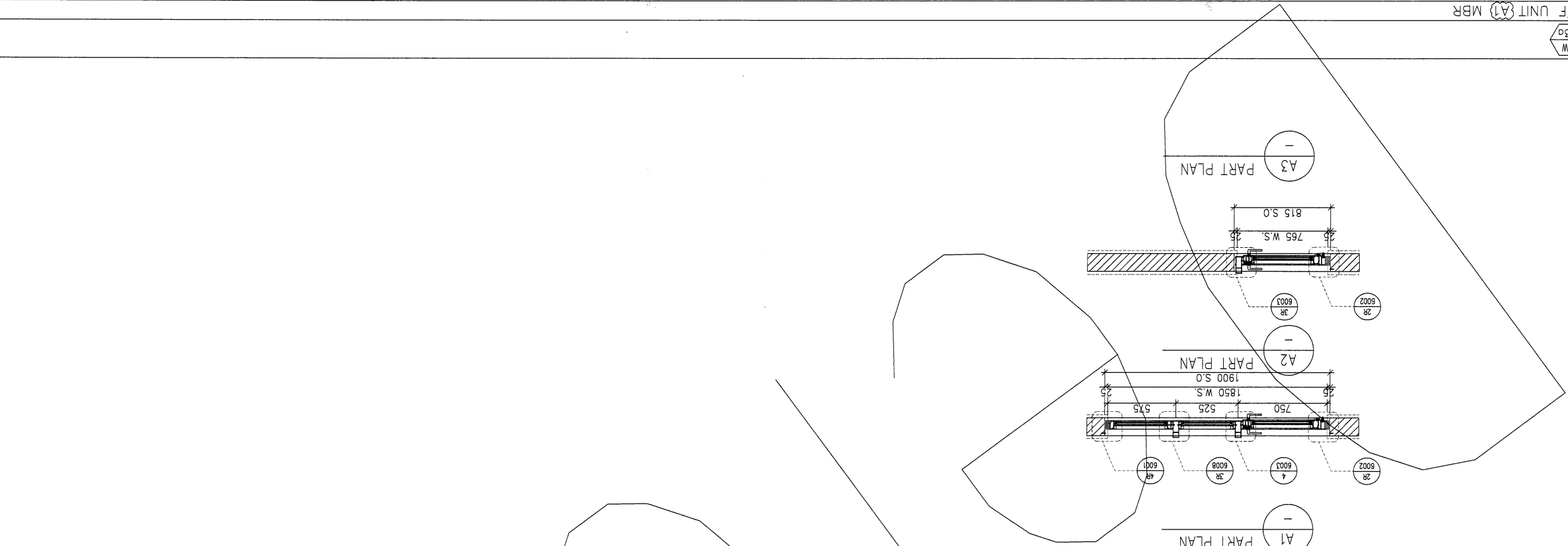
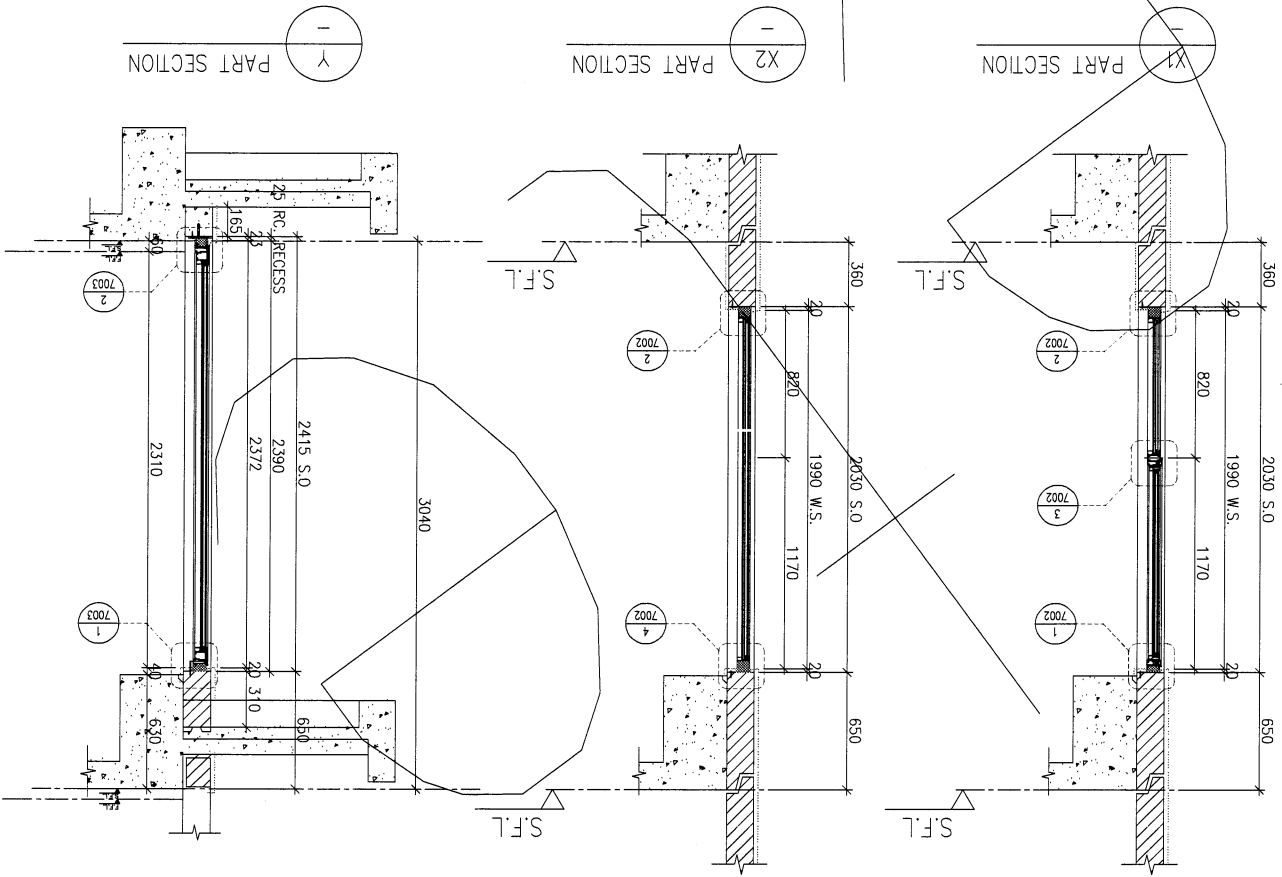
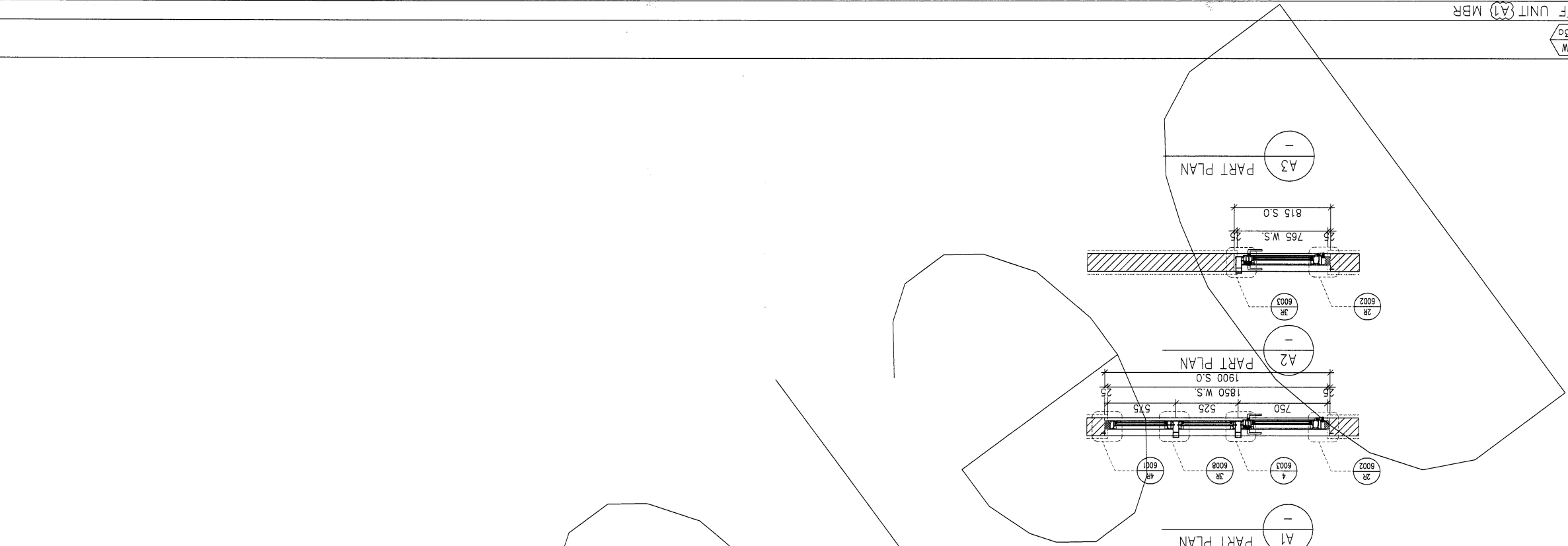
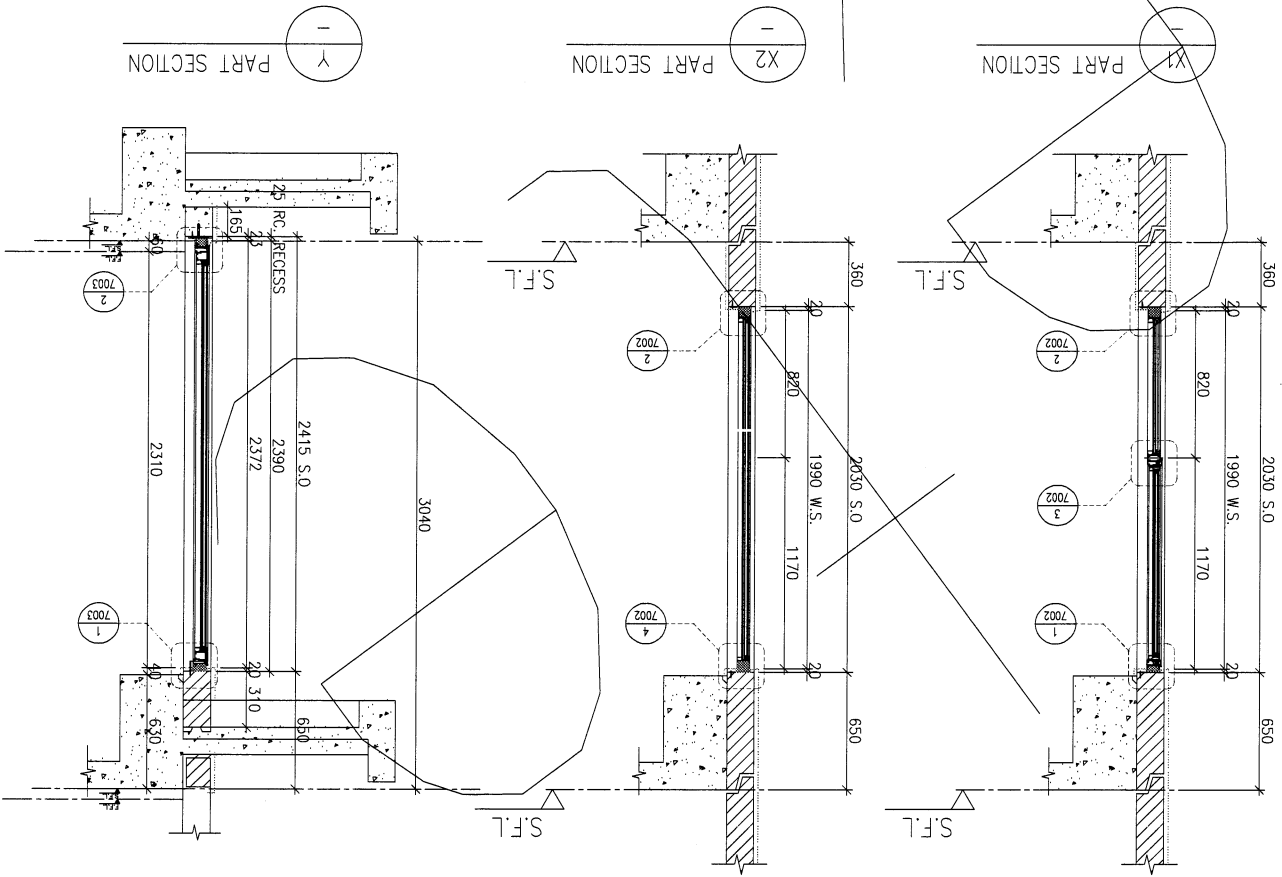
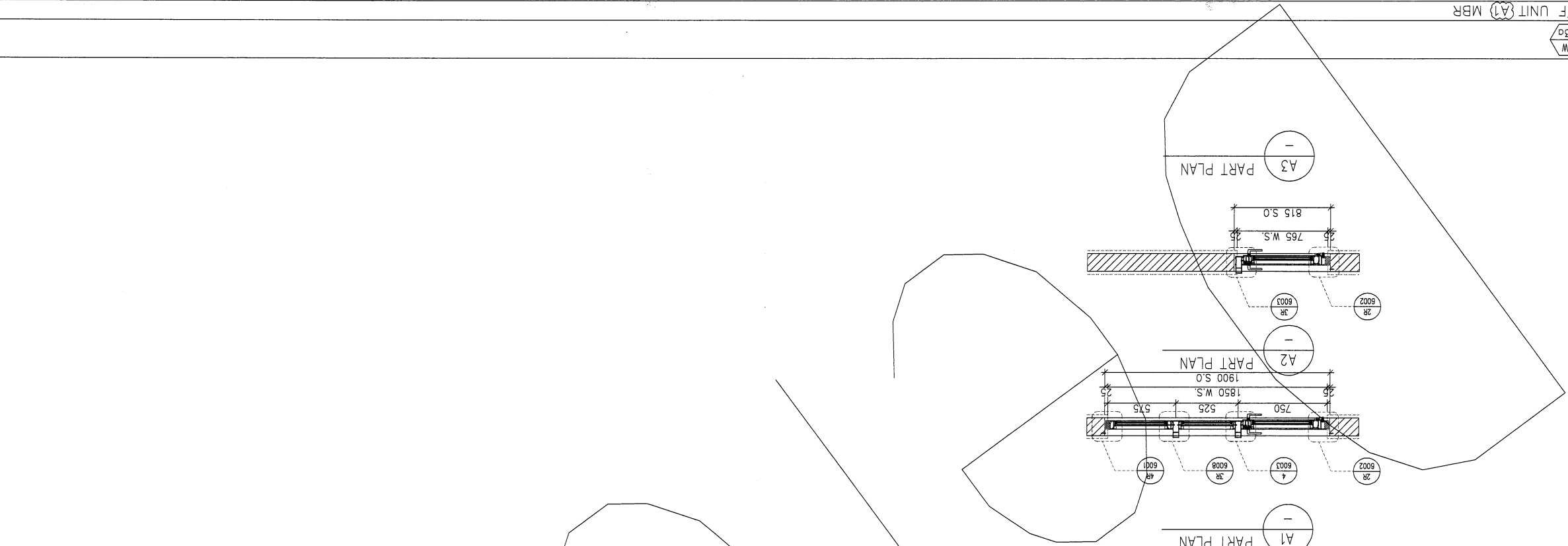
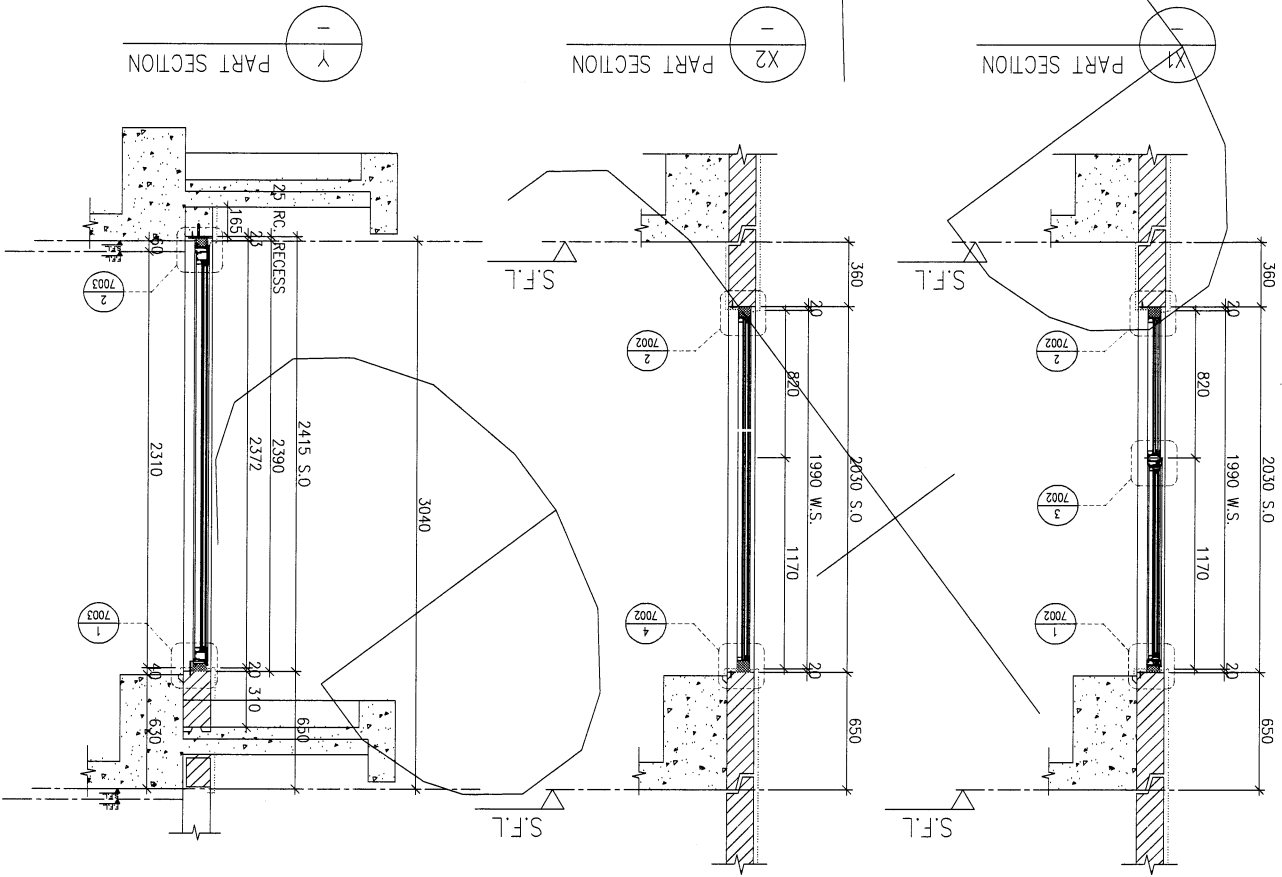
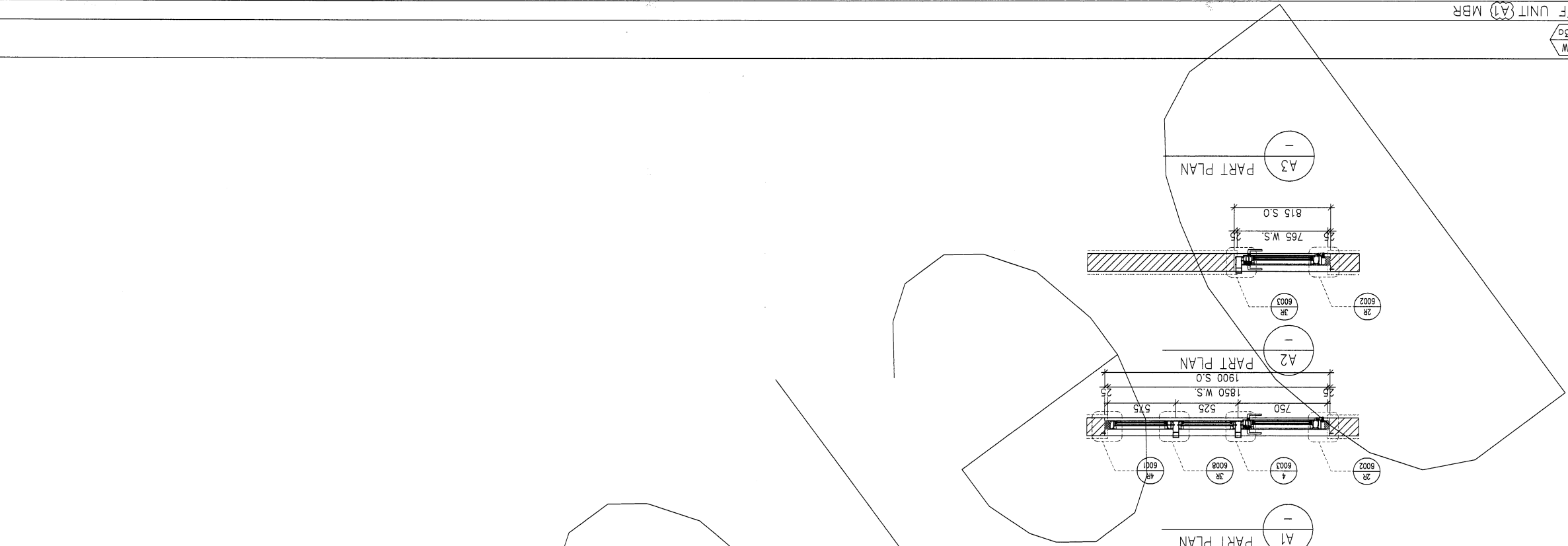
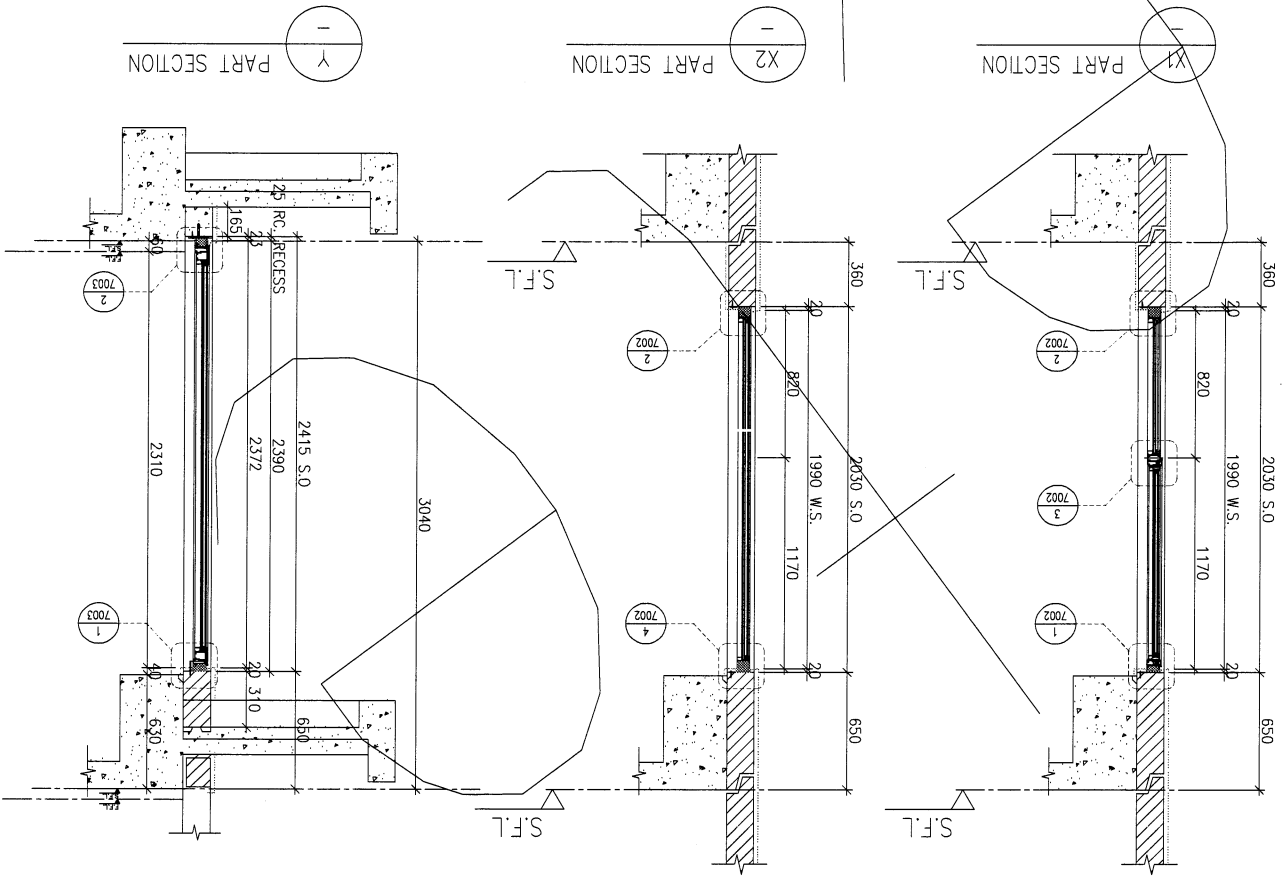
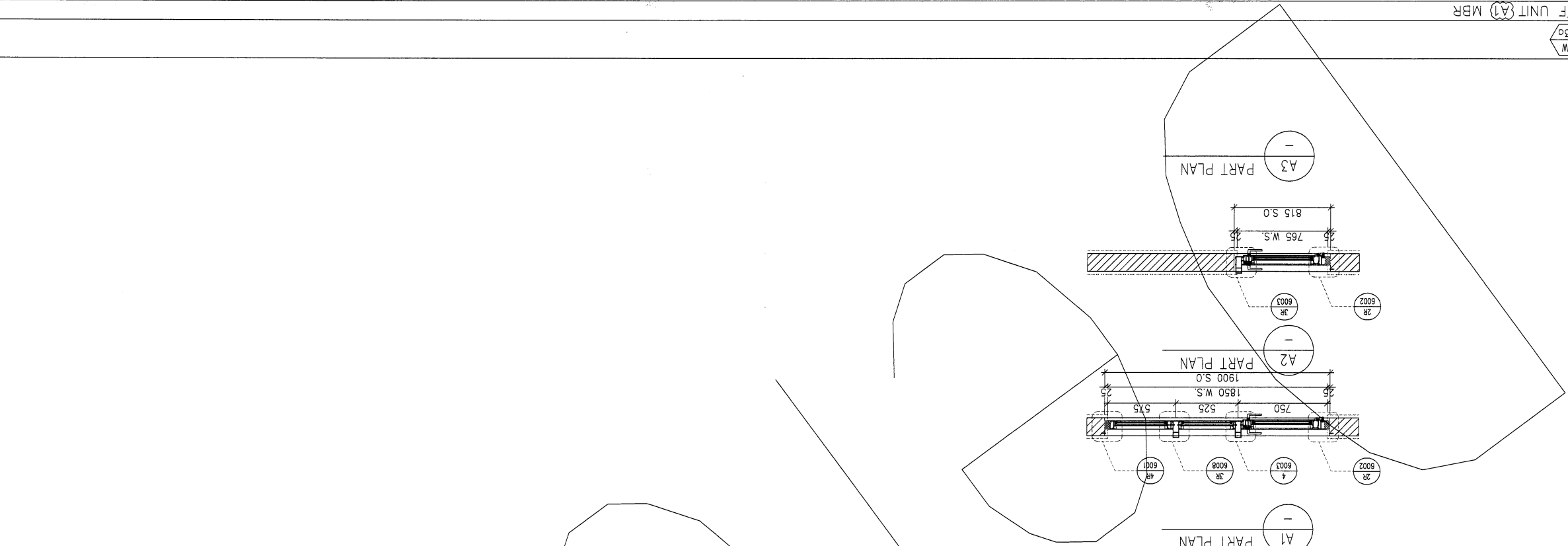
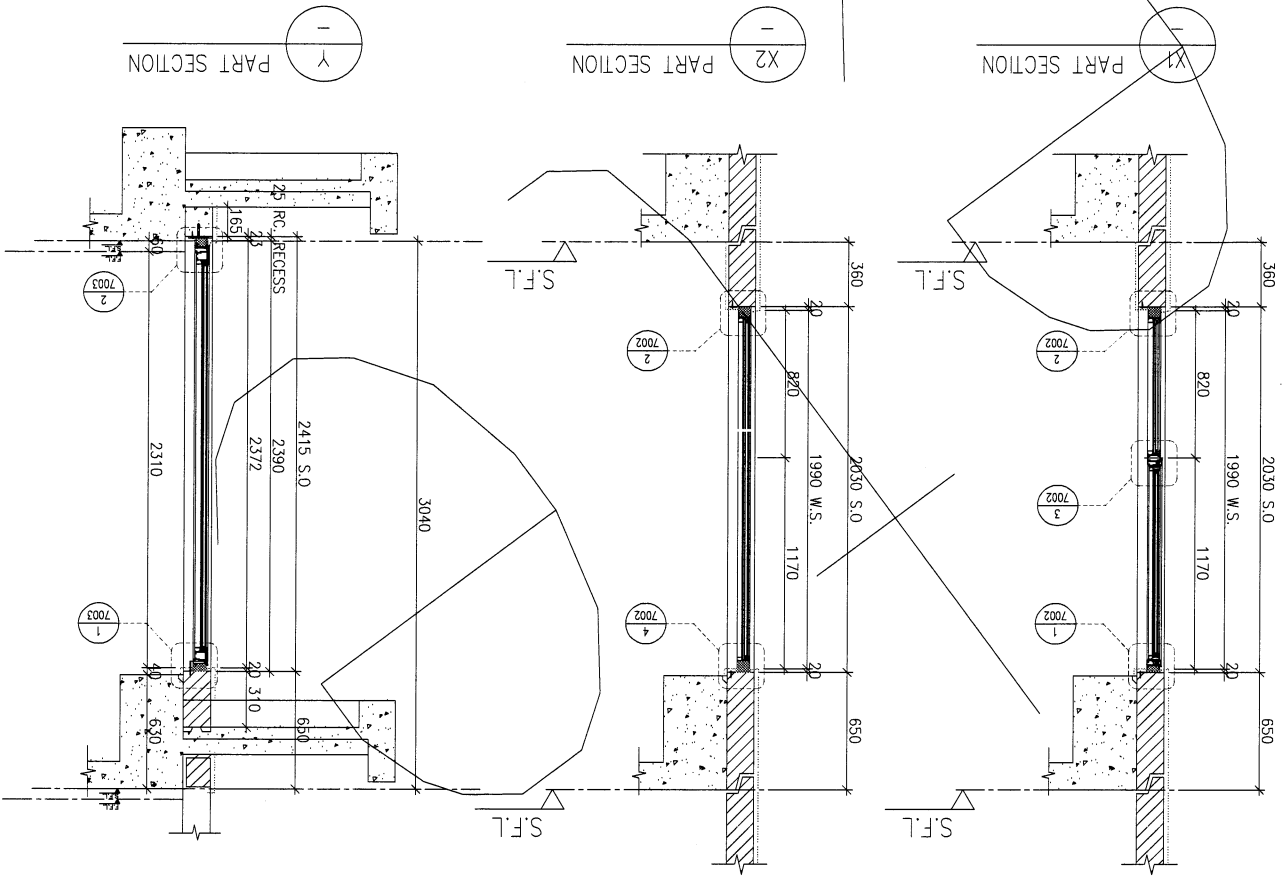
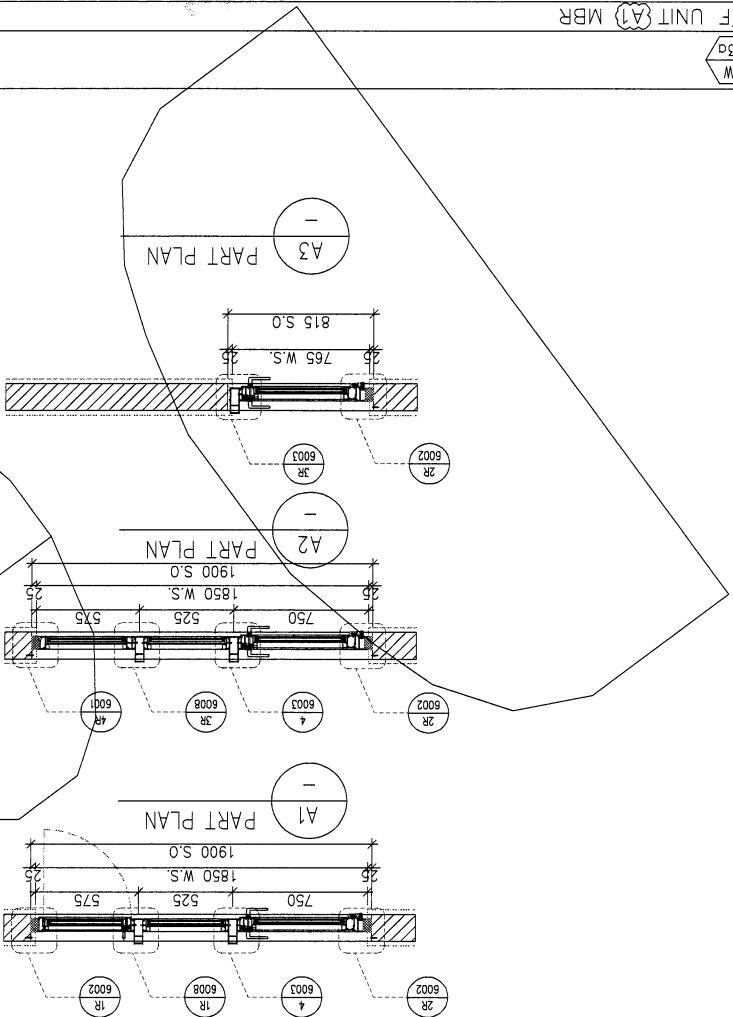
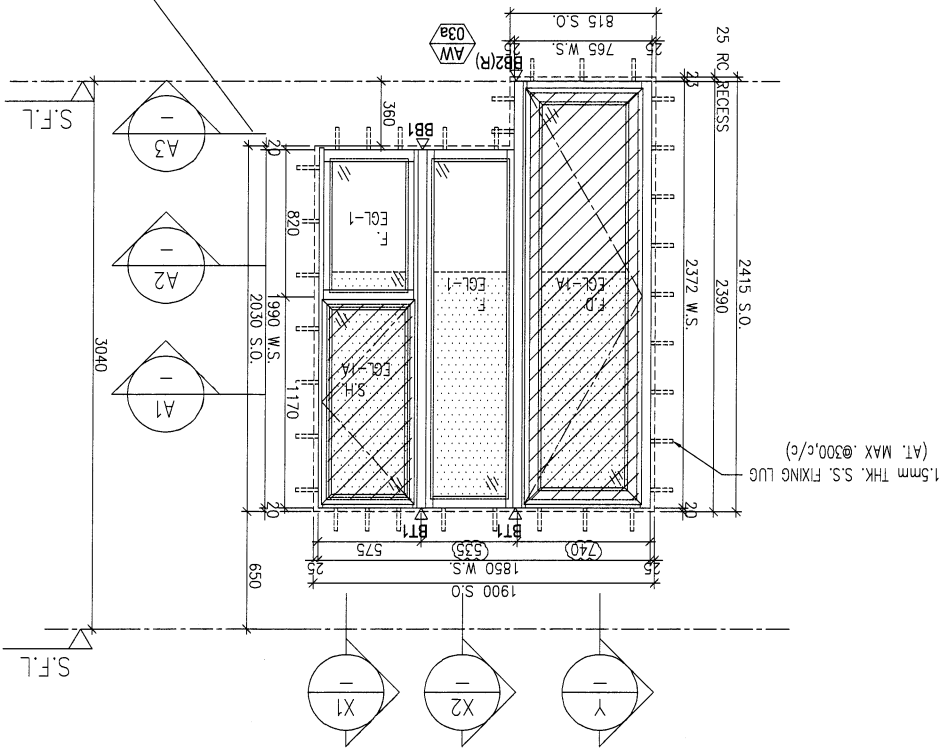
D

B.D. REF :

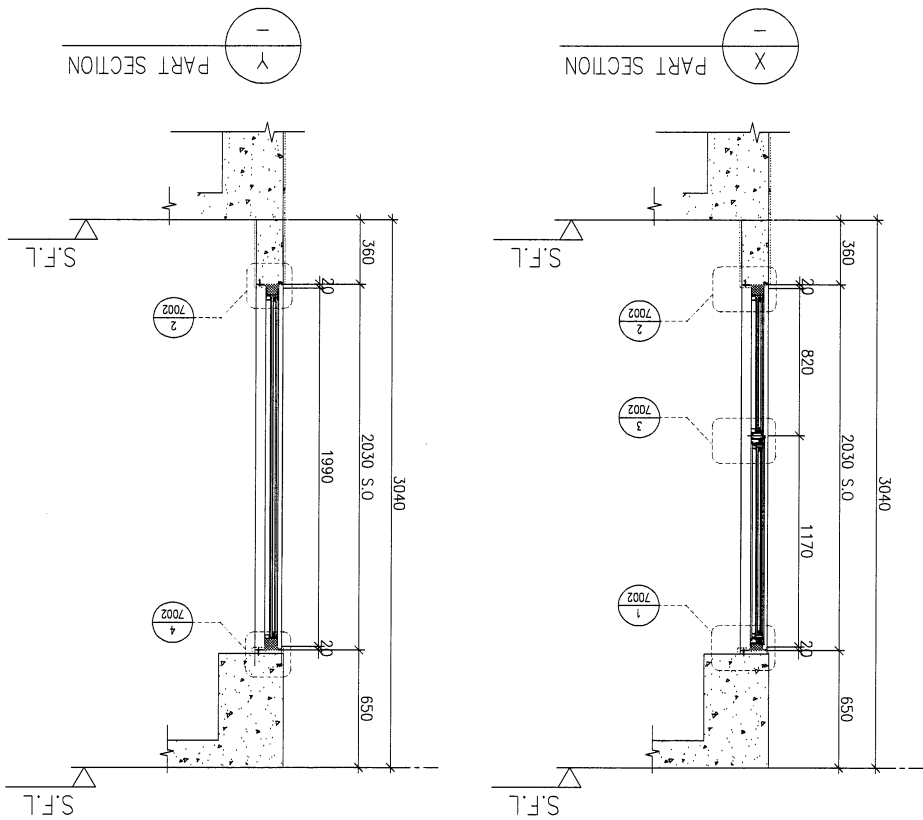
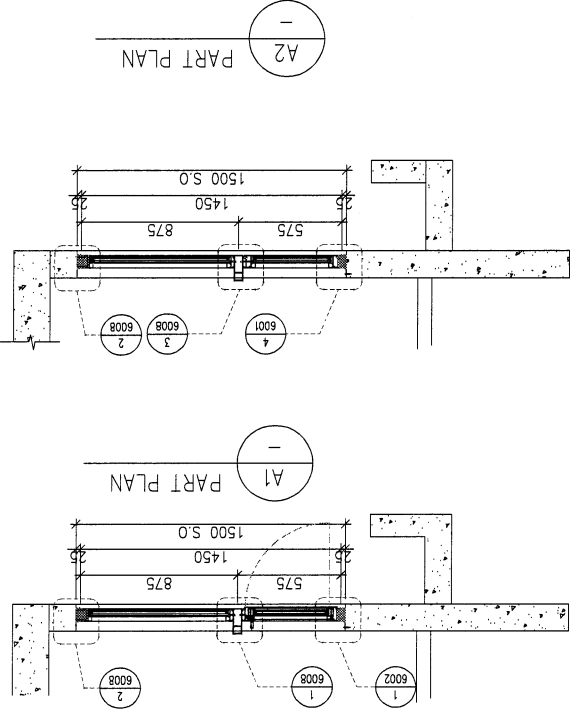
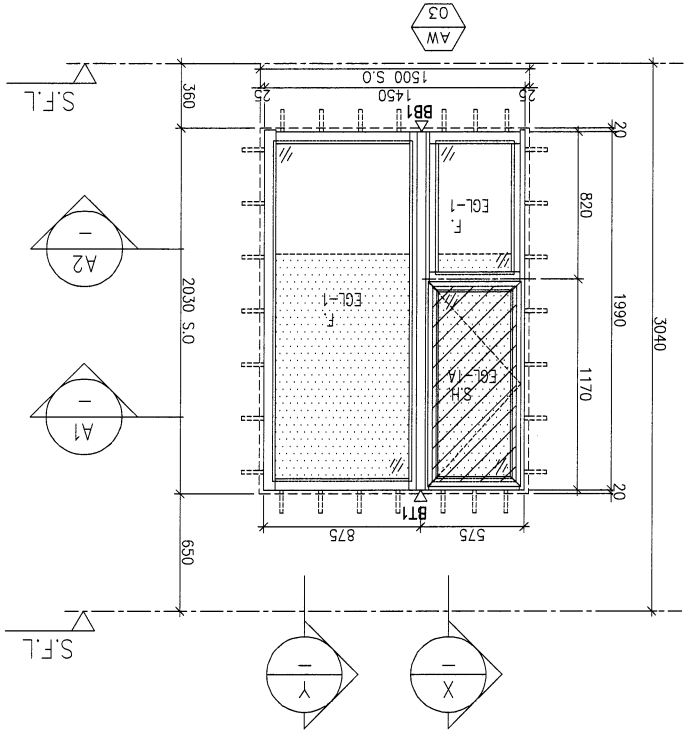


B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO.	
X001 REFER SHEET NO.	
1. F.F.L.--FINISHED FLOOR LEVEL	
2. S.F.L.--STRUCTURAL FLOOR LEVEL	
3. (R) --REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
BT1/BT1--FIXING DETAIL (DWG. NO. FD01)	
BB2--FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE :	
WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : ivgn	
CHECKED BY :	
JOB NO. : J-856	
REVISION SUBJECT TO ARCH COMMENT	
13/01/2022	
REVISION SUBJECT TO ARCH COMMENT	
13/01/2022	
REVISED	
DWG NO. : J856-SD-IW-5316	
REV. : B	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27272666	
MIDI ALUMINIUM FABRICATOR LTD. 美特鋁質有限公司	

	REQUIRE			
LOCATION	OPENABLE AREA	GLAZING AREA	0.435	
A15-MBR	0.696	1.884	1.521	
PROVIDED				



LOCATION	OPENABLE AREA	GLAZING AREA	OPENABLE AREA	GLAZING AREA
A1-MBR	0.388	0.620	1.884	1.52
B10-MBR	0.295	0.472		
REQUIRE		PROVIDED		



ELEVATION

WINDOW MARK	LOCATION	SECTION	GLAZING	QUANTITY	REMARKS
AW 03	3/F-42/F(4/F,13/F,14/F,24/F,34/F OMITTED) UNIT (A2, B3)	70mm ALUM. SECTION	EGL-1 / EGL-1A	35 Nos./35 Nos.	70mm ALUM. WINDOW SECTION , 4 BAR HINGE-LIP HING (HMS-N14)

CLIENT :

SUN HUNG KAI REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WINGHAI, HONGKONG

ARCHITECT :

iwk&partners
a r c h i t e c t s

MAIN CONTRACTOR :

Yee Fai Building Contractors Ltd.
怡輝建築有限公司

STRUCTURAL ENGINEER :

ARUP

FAÇADE CONSULTANT:

ALPHA CONSULTING LIMITED
Steel Structure & Façade Specialist

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

XT DETAIL MARK NO.
X001 REFER SHEET NO.
1. F.F.L.--FINISHED FLOOR LEVEL
2. S.F.L.--STRUCTURAL FLOOR LEVEL
3. (R) --REVERSED DETAIL
4. GLASS LEGEND
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-2--10mm THK. CLEAR TEMPERED GLASS
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS
EGL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
BT1/BT1-FIXING DETAIL (DWG. NO. FD01)
BB2-FIXING DETAIL (DWG. NO. FD02)

JOB NO. :

J-856

PROJECT :

PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.

TITLE :

WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW

DATE : 21-Jun-22

SCALE : 1:40

DRAWN BY : Ivon

CHECKED BY :

REVISION SUBJECT TO ARCH.COMMENT

NO. DATE

BY

REVISION SUBJECT TO ARCH.COMMENT

NO. DATE

BY

DWG NO. : J856-SD-IW-5318

REV. : B

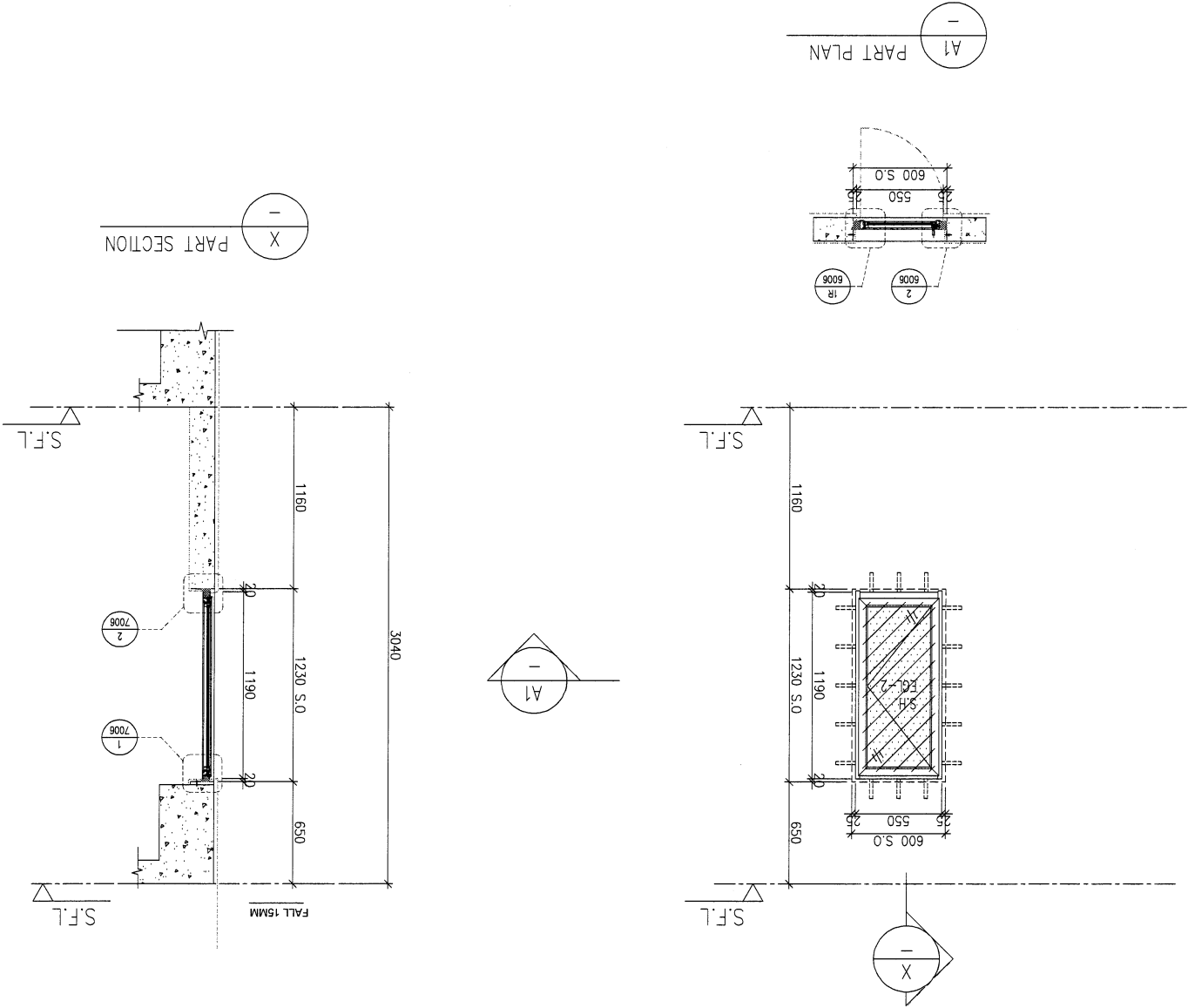
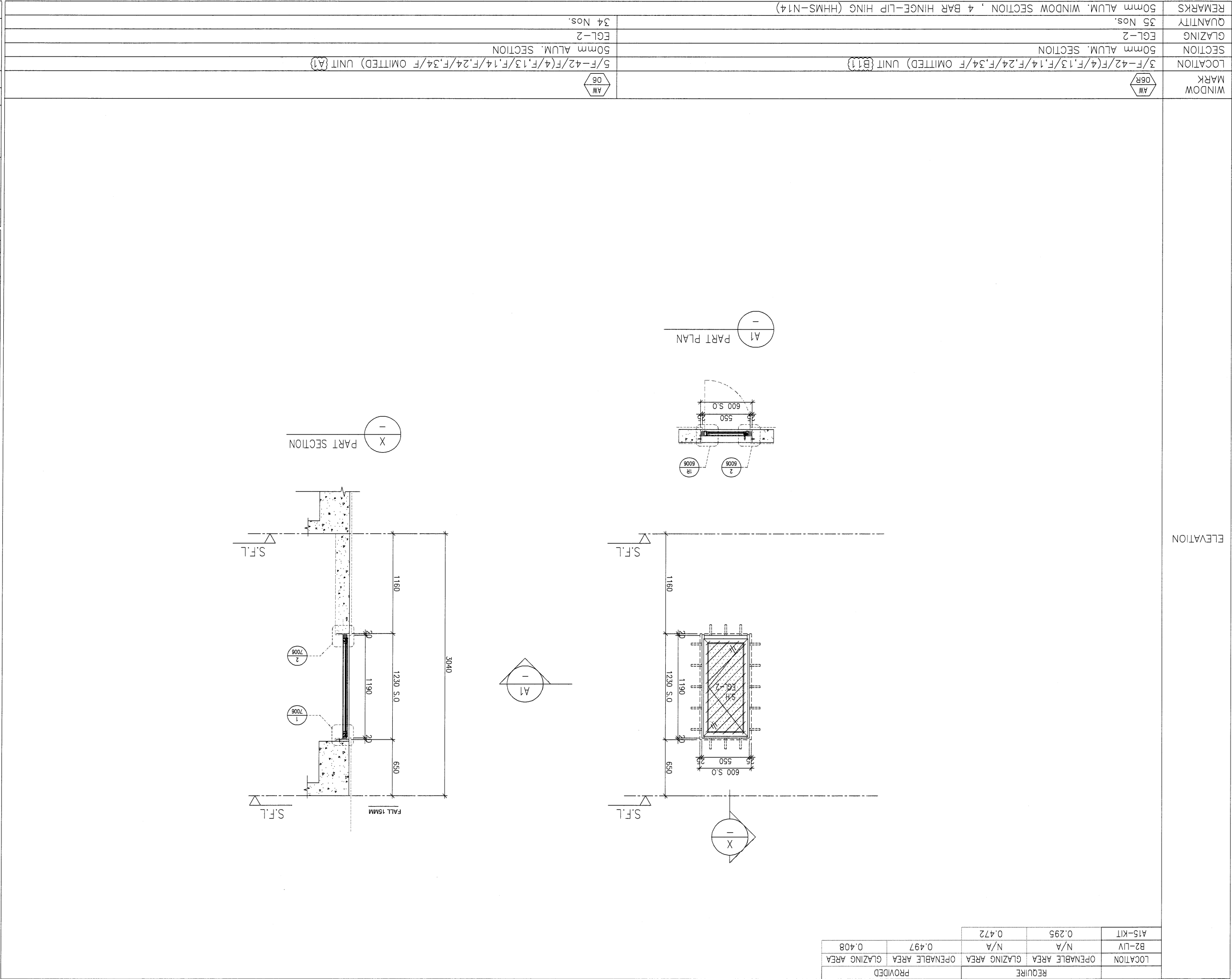
Units 6-8, Sunray Industrial Centre, 1/F
610 Cha Kwo Ling Road, Kowloon
Tel:23489211-4 Fax:(852)27272666

美特鋁業有限公司

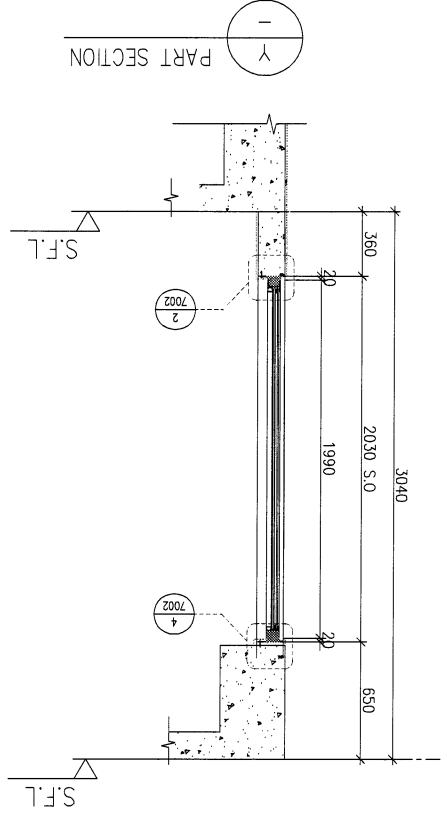
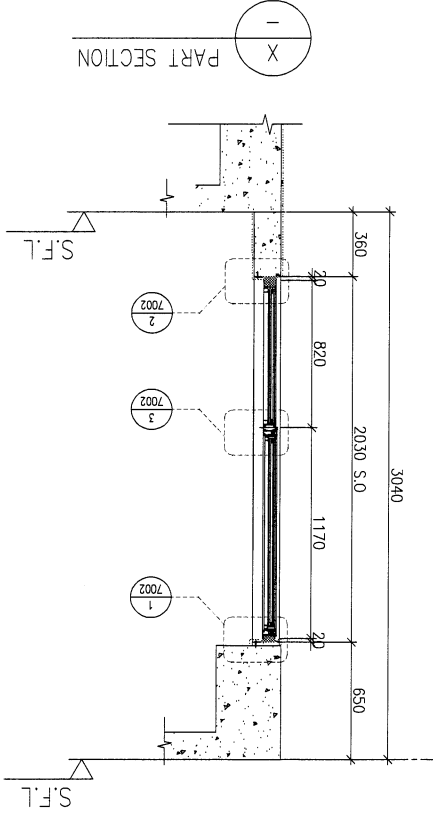
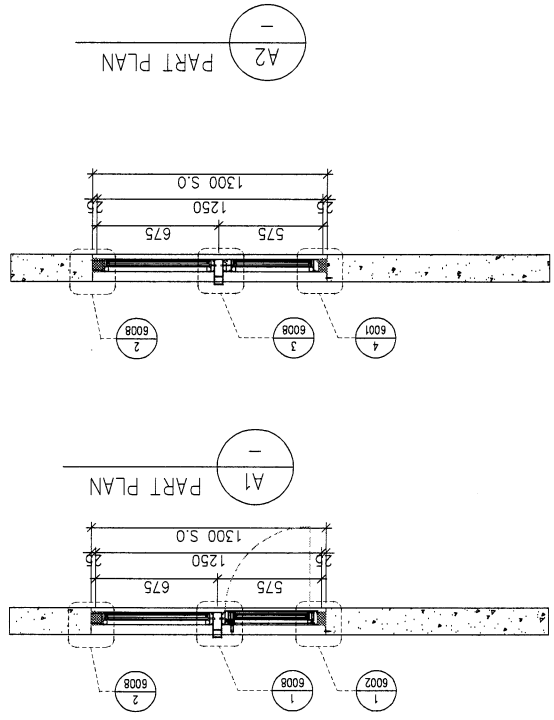
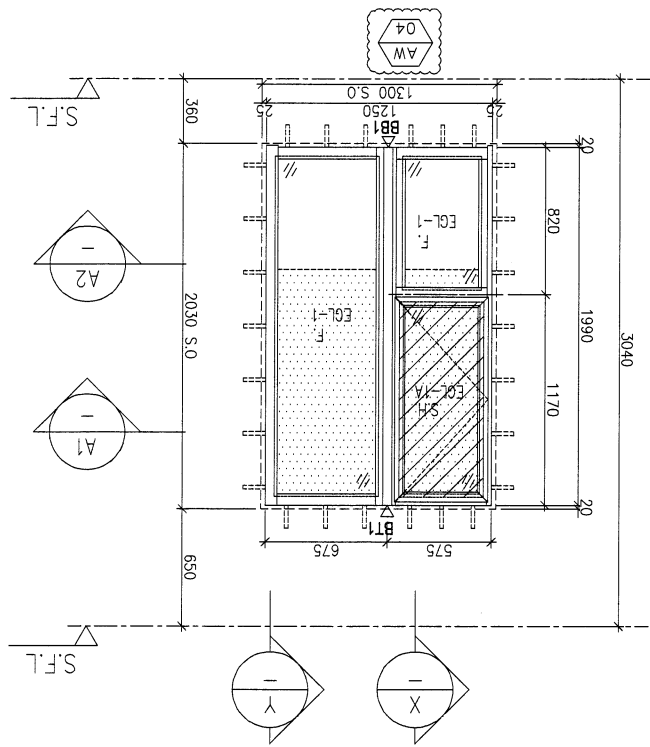
MIDI ALUMINIUM FABRICATOR LTD.

B.D. REF :

LOCATION	OPENABLE AREA	GLAZING AREA	OPENABLE AREA	0.497	0.408
B2-LIV	N/A	N/A	0.295		
A15-KIT	REQUIRE	GLAZING AREA	0.472		



LOCATION	OPENABLE AREA	0.295	0.472	0.504	1.134
	REQUIRE				PROVIDED
A8-MBR					



NO.	DATE	REVISION	BY
A	11/7/2022	REVISION SUBJECT TO ARCH.COMMENT	lvon
B	11/11/2022	REVISION SUBJECT TO ARCH.COMMENT	lvon

LEGEND:

1. ALL DIMENSIONS ARE IN mm.

2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.

3. BEFORE FABRICATION.

4. ALL DIMENSIONS TO BE VERIFIED ON SITE.

1. F.F.L. --- FINISHED FLOOR LEVEL

2. S.F.L. --- STRUCTURAL FLOOR LEVEL

3. (R) --- REVERSED DETAIL

4. GLASS LEGEND

GL-1---8mmthx+12mm AIR GAP+10mmTP THK. I.G.U.

GL-2---10mm THK. CLEAR TEMPERED GLASS

GL-3---4+10mm THK. TEMPERED ACID ETCHED GLASS

GL-4---18-8mmthx+12mm AIR GAP+8mmTP THK. I.G.U.

B71/B81-FIXING DETAIL (DWG. NO. PD01)

B82-FIXING DETAIL (DWG. NO. PD02)

CLIENT :	 REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	iwk&partners a r c h i t e c t s
MAIN CONTRACTOR :	 Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	 ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

B.D. REF :

DATE : 21-Jun-22	DRAWN BY : Ivan	CHECKED BY :	SCALE : 1:40
 美特铝业有限公司 MIDIAN ALUMINIUM FABRICATOR LTD. Units 6-8, Sunway Industrial Centre, 1/f 610 Cha Tung Road, Kwongloon Tel: (234) 89211-4 Fax: (852) 27727666			
DWG NO. : J856-SD-IW-5320		REV. : B	

JOB NO. : J-856	PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TWIN WING STOP, SWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW
--------------------	--	--

NO.	DATE	REVISIONS
8	11/17/2022	REVISION SUBJECT TO ARCH COMMENT
7	11/17/2022	REVISION SUBJECT TO ARCH COMMENT

1.	F.F.L. -- FINISHED FLOOR LEVEL
2.	S.F.L. -- STRUCTURAL FLOOR LEVEL
3.	-- REVERSED DETAIL
4.	GLASS LEGEND
	ECL-1--6mmHx5+12mm AIR GAP+10mmTP THK, I.G.U. ECL-2--2--10mm THK, CLEAR TEMPERED GLASS ECL-4--4--10mm THK, TEMPERED AOD ETCHED GLASS ECL-1A--6mmHx5+12mm AIR GAP+BmmTP THK, I.G.U. B71/B81-FIXING DETAIL (DWG. NO. PFD01) B82-FIXING DETAIL (DWG. NO. PFD02)

X

100X
-- DETAIL MARK NO.
-- REFER SHEET NO.

LEGEND:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

NOTE:

CLIENT :	 REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	iwk&partners a r c h i t e c t s
MAIN CONTRACTOR :	YK 怡輝建築有限公司  Yee Fai Building Contractors Ltd.
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

B.D. REF :

DATE : 21-Jun-22	DRAWN BY : Ivan	CHECKED BY :	SCALE : 1:40
 美特铝业有限公司 MIDIAN ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/f 610 Cha Tung Road, Kwongloon Tel: (234) 89211-4 Fax: (852) 27727666			
DWG NO. : J856-SD-IW-5320		REV. : B	

JOB NO. : J-856	PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TWIN WING STOP, SWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	TITLE : WINDOW SCHEDULE FOR TOWER 3 IN-SITU WINDOW
--------------------	--	--

NO.	DATE	REVISIONS
8	11/17/2022	REVISION SUBJECT TO ARCH COMMENT
7	11/17/2022	REVISION SUBJECT TO ARCH COMMENT

1.	F.F.L. -- FINISHED FLOOR LEVEL
2.	S.F.L. -- STRUCTURAL FLOOR LEVEL
3.	-- REVERSED DETAIL
4.	GLASS LEGEND
5.	ECL-1--8mmHS+12mm AIR GAP+10mmTP THK, I.G.U. ECL-2--10mm THK, CLEAR TEMPERED GLASS ECL-4--10mm THK, TEMPERED AOD ETCHED GLASS ECL-1A--8mmHS+12mm AIR GAP+Bmnp THK, I.G.U. B71/B81-FIXING DETAIL (DWG. NO. PD01) B82-FIXING DETAIL (DWG. NO. PD02)

X

X

100X
 DETAIL MARK NO.

LEGEND:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

NOTE:

CLIENT :	 REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	iwk&partners a r c h i t e c t s
MAIN CONTRACTOR :	HK 怡輝建築有限公司 Yee Fai Building Contractors Ltd.
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist

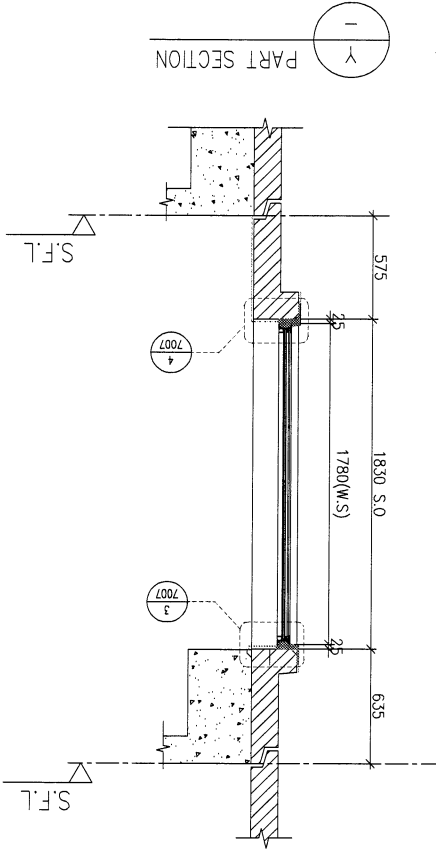
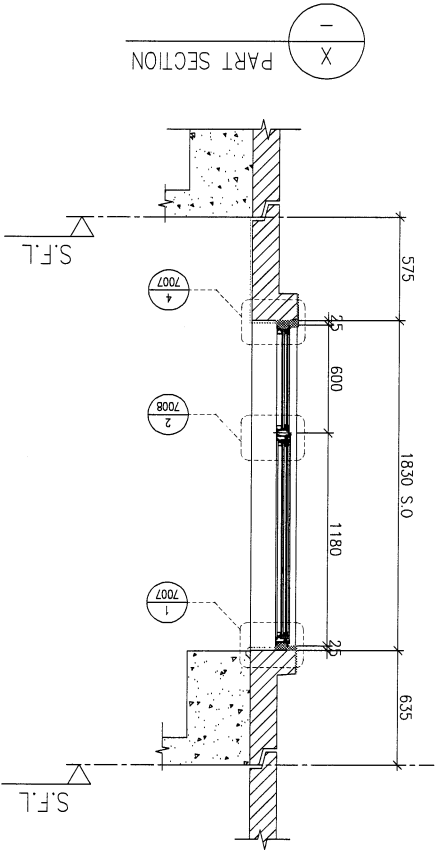
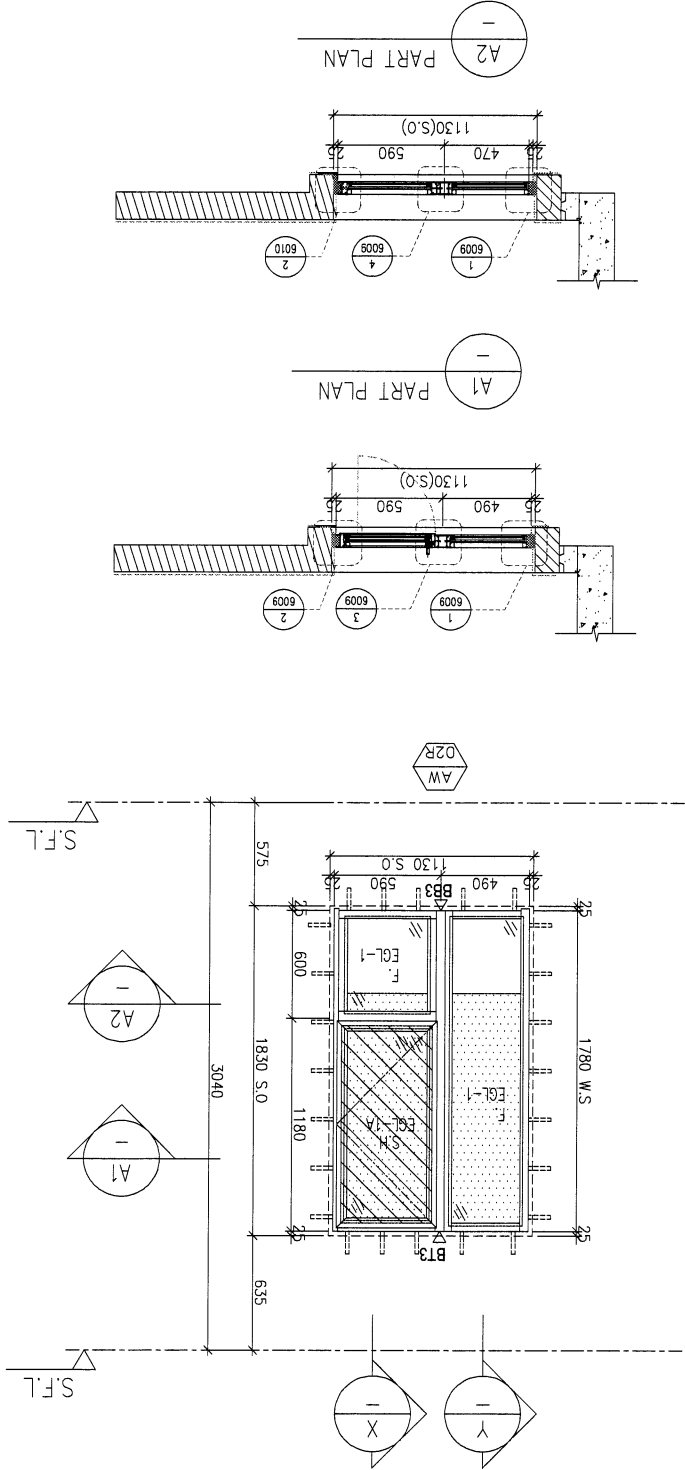
B.D. REF :

	PROVIDED				AZ-BRI
		REQUIRE	OPENABLE AREA	0.263	
			GLAZING AREA	0.420	
			OPENABLE AREA	0.548	
			GLAZING AREA	0.985	

FACADE CODE	LWK	鴻輝	UNIT
	PF-02R	T3PF-05	A3

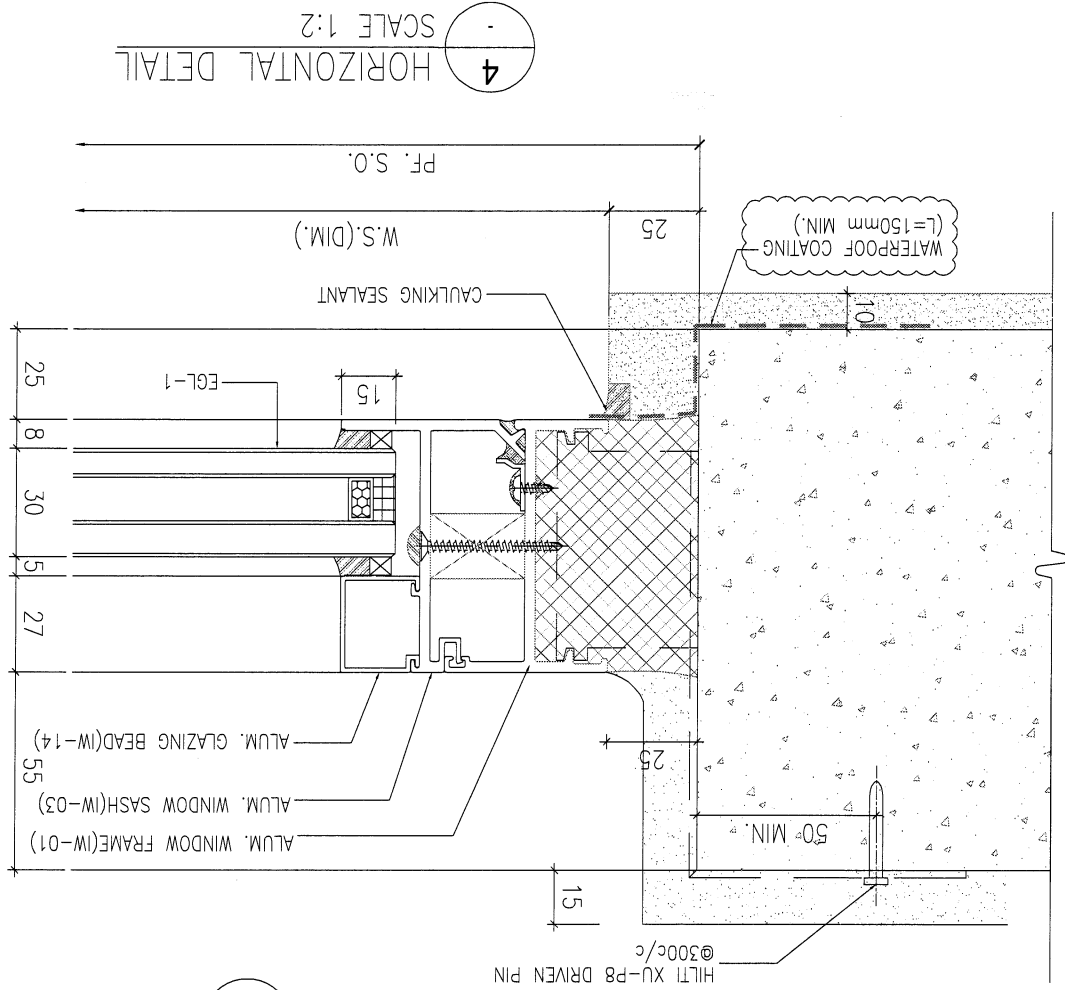
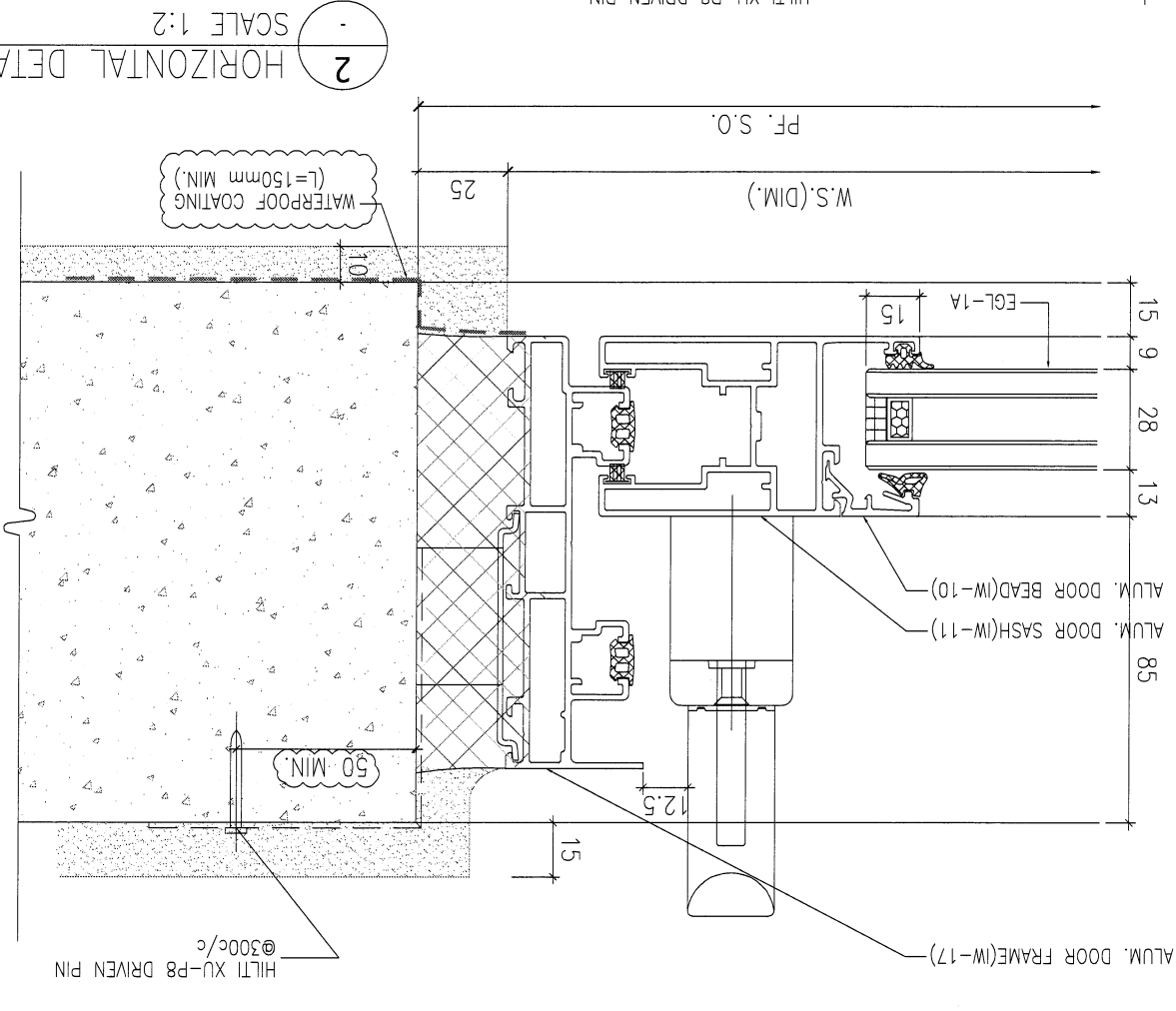
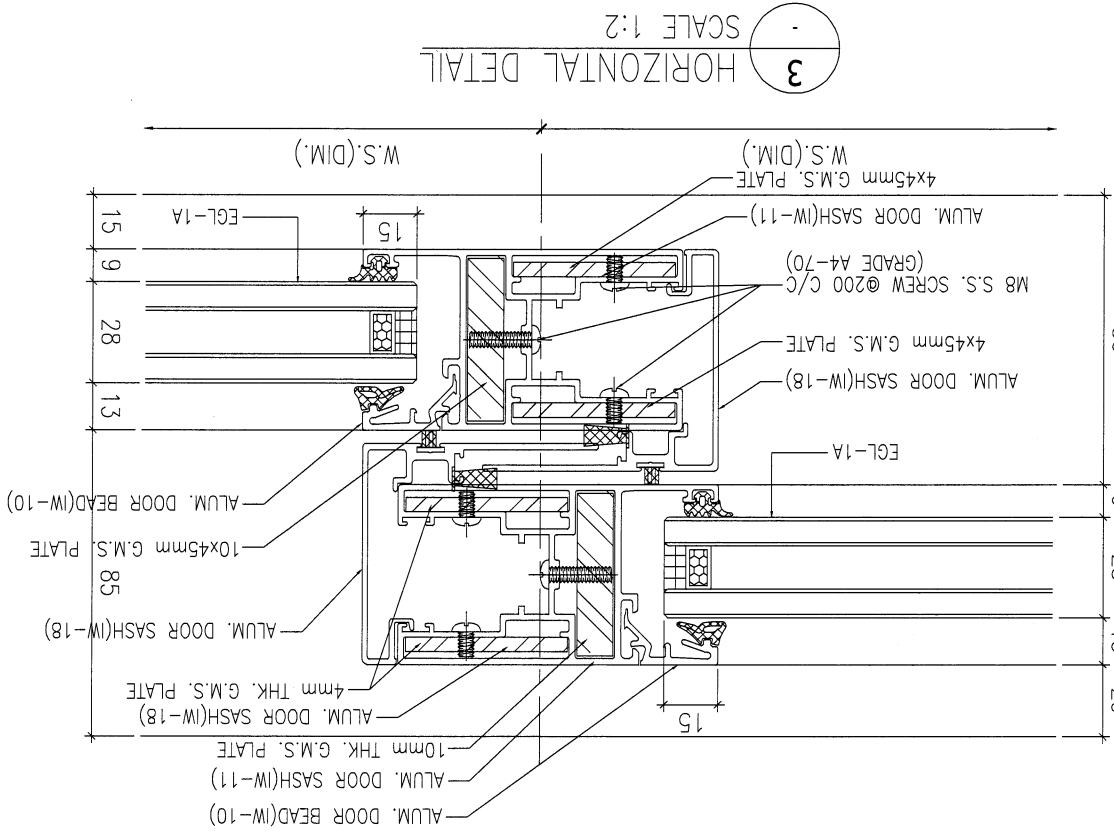
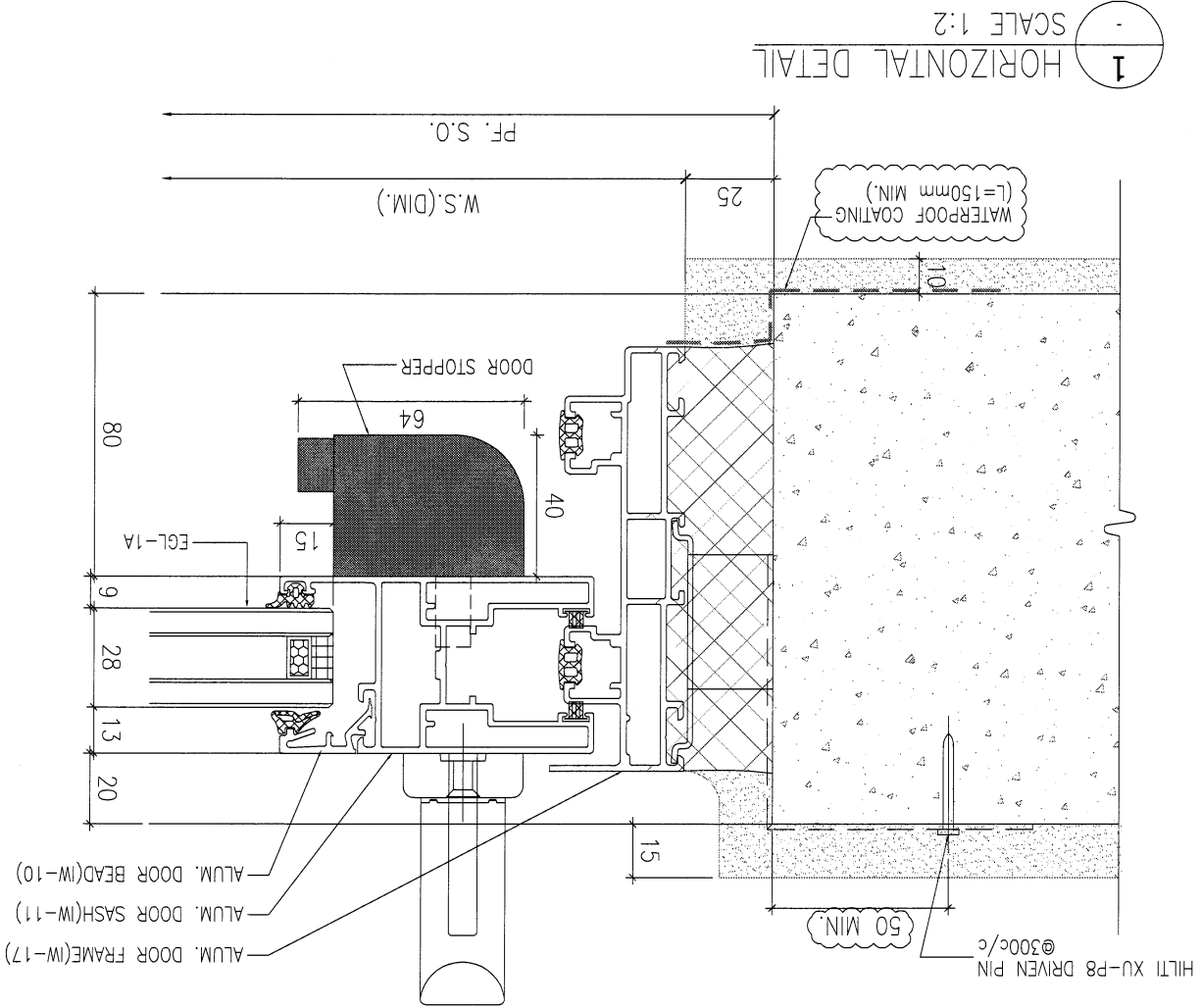
PREAST WINDOW CHANGE TO IN-SITU WINDOW

10/F,16/F,20/F,25/F,29/F,33/F,38/F,42/F UNIT A3
70mm ALUM. SECTION
EGL-1,EGL-1A
8 Nos
FACADE(TYPE T3PFO2R FOR 3/F~42/F), 4 BAR HINGE-LIP HING (HHMS-N16)



B.D. REF. :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE :	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND :	
1X 100% DETAIL MARK NO. REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (A) -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1 -- 6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS	
EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A -- 6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
BRT/BB1-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE : WINDOW SCHEDULE FOR TOWER 3 ALUM. WINDOW	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivgan	
CHECKED BY :	
Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23449211-4 Fax:(852)2777666	
MIDI ALUMINIUM FABRICATOR LTD. 美特鋁貿有限公司	
DWG NO. : J:856-SD-PW-5321	
REV. : -	

B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO. X001 REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. R/ -- REVERSED DETAIL	
4. GLASS LEGEND	
ECL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
ECL-2--10mm THK. CLEAR TEMPERED GLASS	
ECL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
EGL-1A-6mmHS+12mm AIR GAP+6mmTP THK. I.G.U.	
B71/B81-FIXING DETAIL (DWG. NO. FD01)	
BB2-FIXING DETAIL (DWG. NO. FD02)	
TITLE :	
WINDOW SCHEDULE FOR TOWER IN-SITU LOUVER	
DATE : 06-Aug-21	SCALE : 1:40
DRAWN BY : Ivan	CHECKED BY :
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunny Industrial Centre, 1/F 810 Cho Kwong Road, Kwai Tsou Tel:23489211-4 Fax:(852)27727666	
美特鋁業有限公司	
DWG NO. : J856-SD-IW-5401	
REV. : -	



B.D. REF :

CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT : IWK&PARTNERS

MAIN CONTRACTOR : YEE FAI Building Contractors Ltd. 怡輝建築有限公司

STRUCTURAL ENGINEER : ARUP

FAÇADE CONSULTANT : ALPHA CONSULTING LIMITED

NOTE :
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

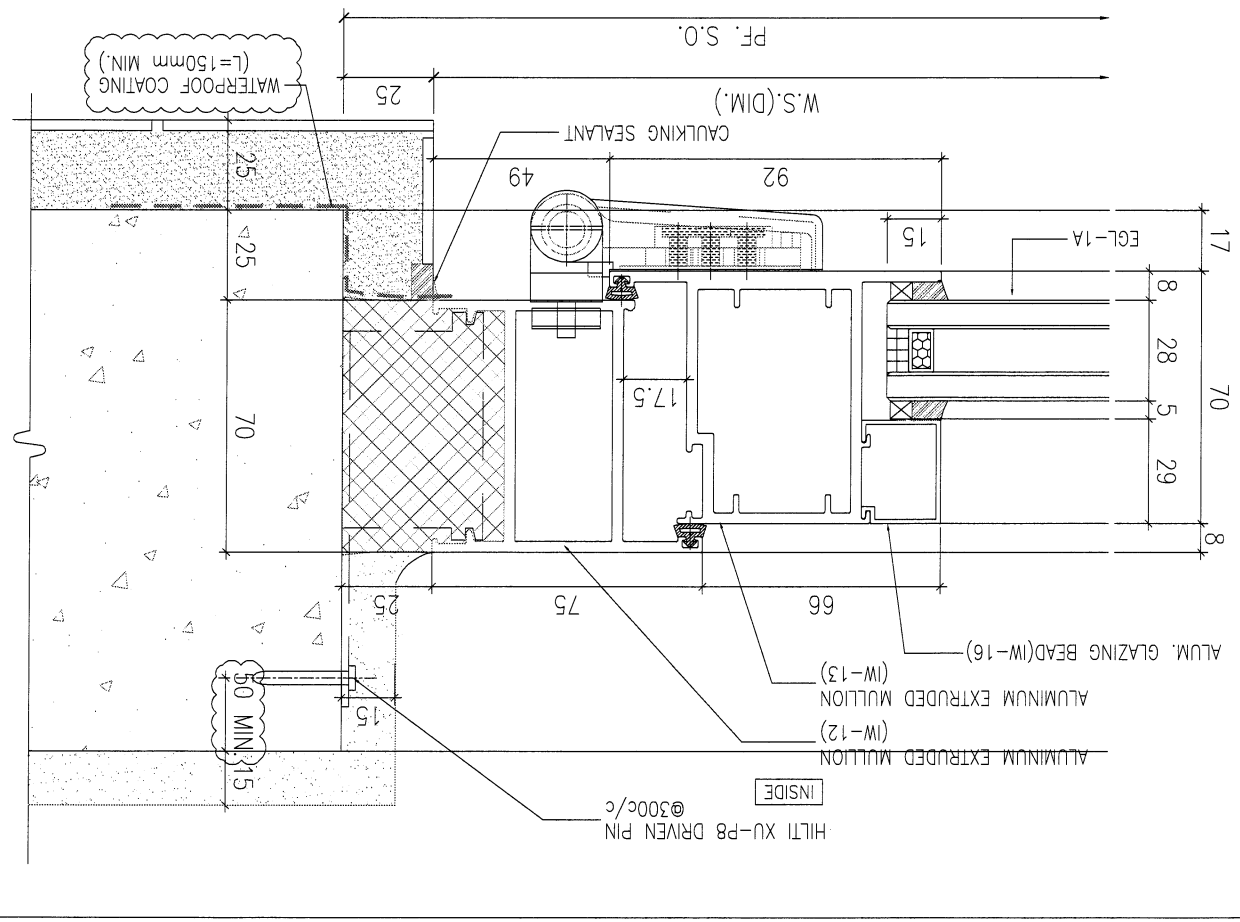
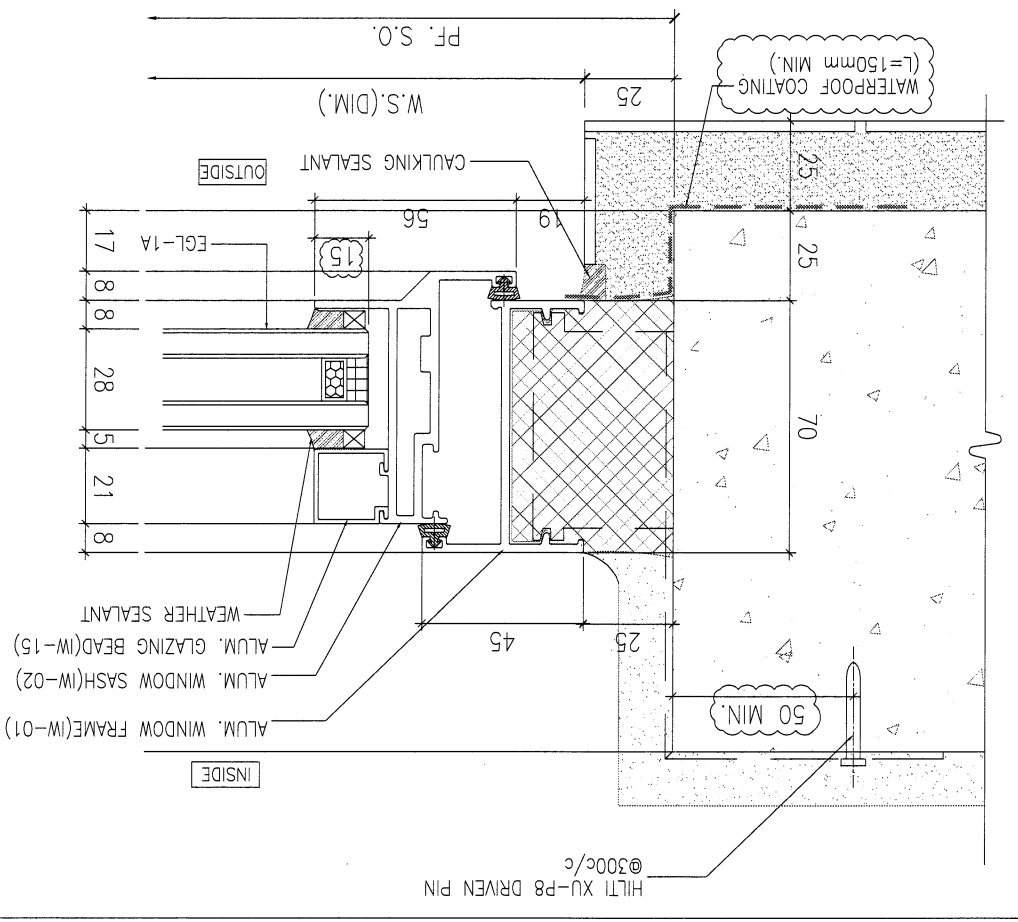
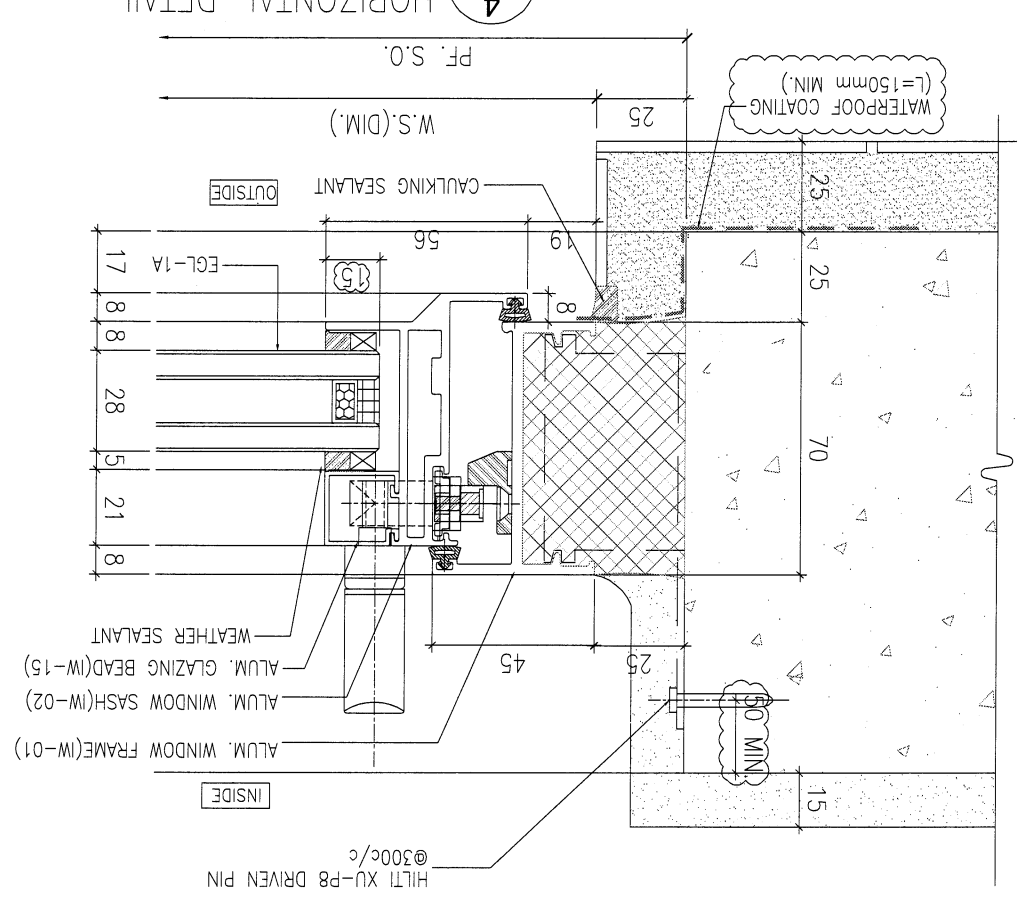
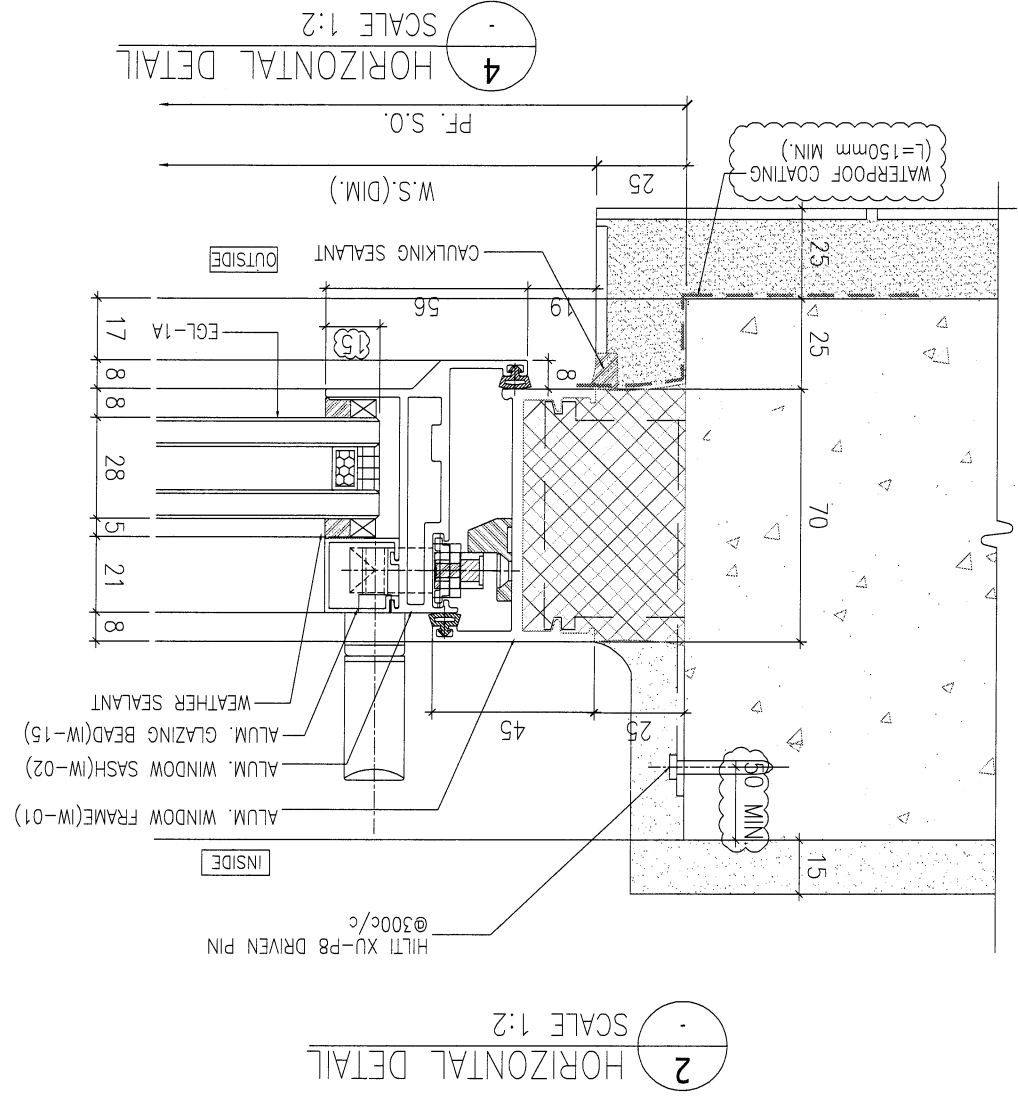
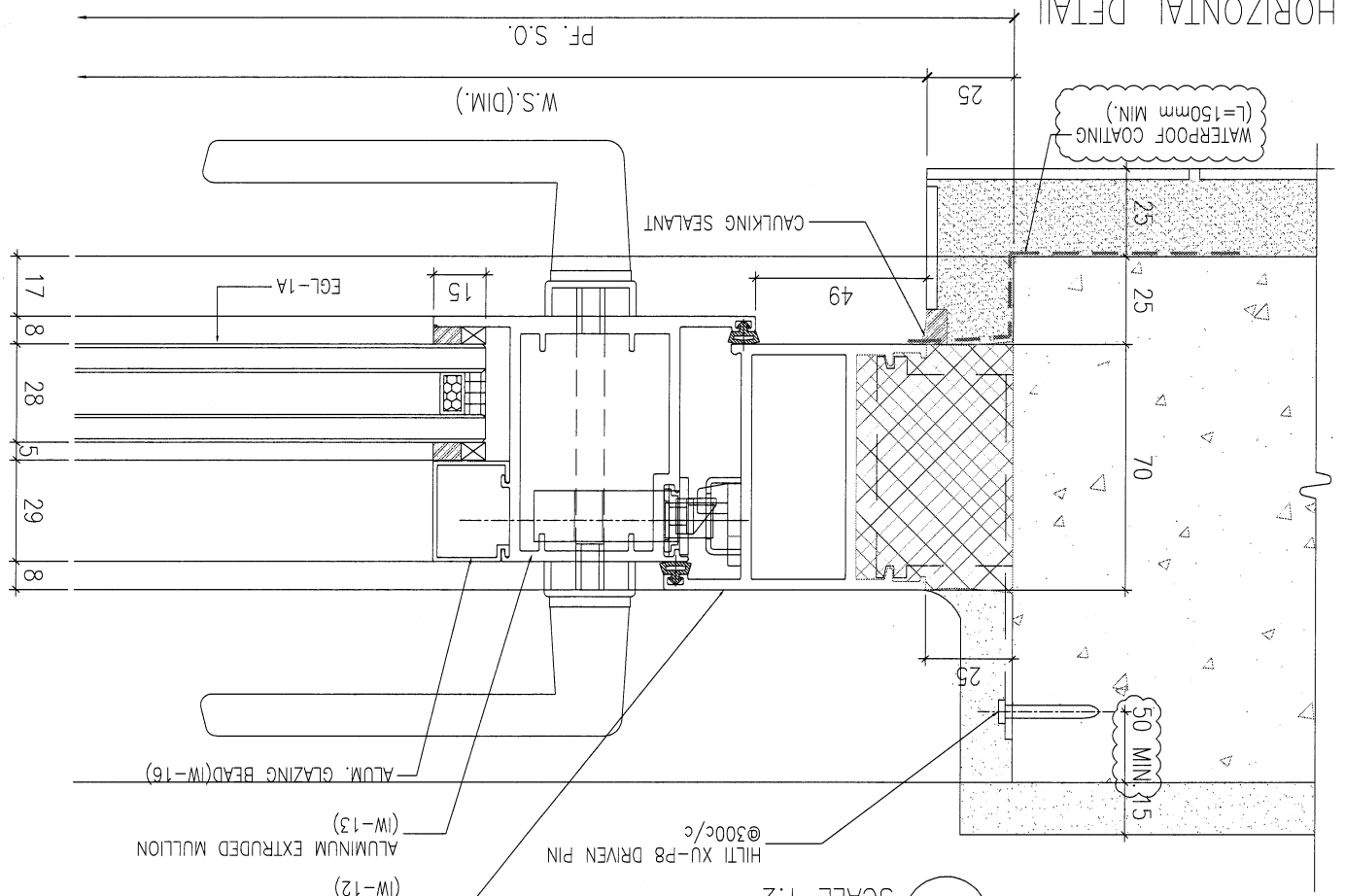
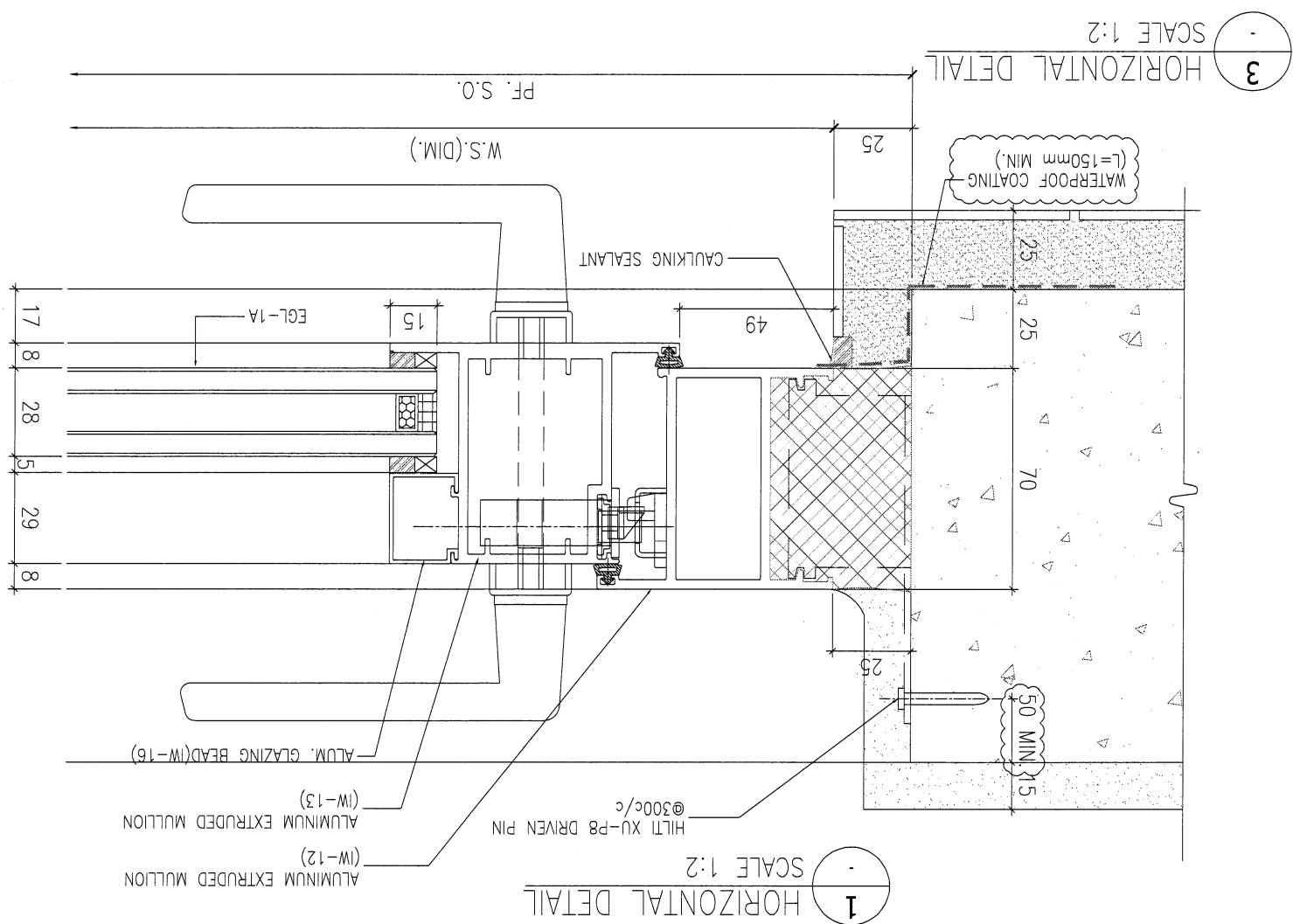
LEGEND :
X1 DETAIL MARK NO.
X001 REFER SHEET NO.
1. F.F.L. -- FINISHED FLOOR LEVEL
2. S.F.L. -- STRUCTURAL FLOOR LEVEL
3. -- REVERSED DETAIL
4. GLASS LEGEND
EGL-1 -- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-1A -- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS
EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS

JOB NO. : J-856
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE : TYPICAL DETAILS FOR IN-SITU WINDOW

DATE : 02-Aug-21 SCALE : 1:40
DRAWN BY : Ivan
CHECKED BY :
REV. : B
DWG NO. : J856-SD-IW-6001

Unit 6-B, Sunray Industrial Centre, 1/F
610 Che Kwo Ling Road, Kowloon
Tel: 2348921-4 Fax: (852) 27272666
MDI ALUMINIUM FABRICATOR LTD.
美特鋁業有限公司



CLIENT: SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT: Iw&partners architects

MAIN CONTRACTOR: Yee Fai Building Contractors Ltd. 怡輝建築有限公司

STRUCTURAL ENGINEER: ARUP

FAÇADE CONSULTANT: ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist

NOTE:
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:
X1 DETAIL MARK NO.
X001 REFER SHEET NO.

1. F.F.L. -- FINISHED FLOOR LEVEL
2. S.F.L. -- STRUCTURAL FLOOR LEVEL
3. -- REVERSED DETAIL
4. GLASS LEGEND
EGL-1 -- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-1A -- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS
EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS

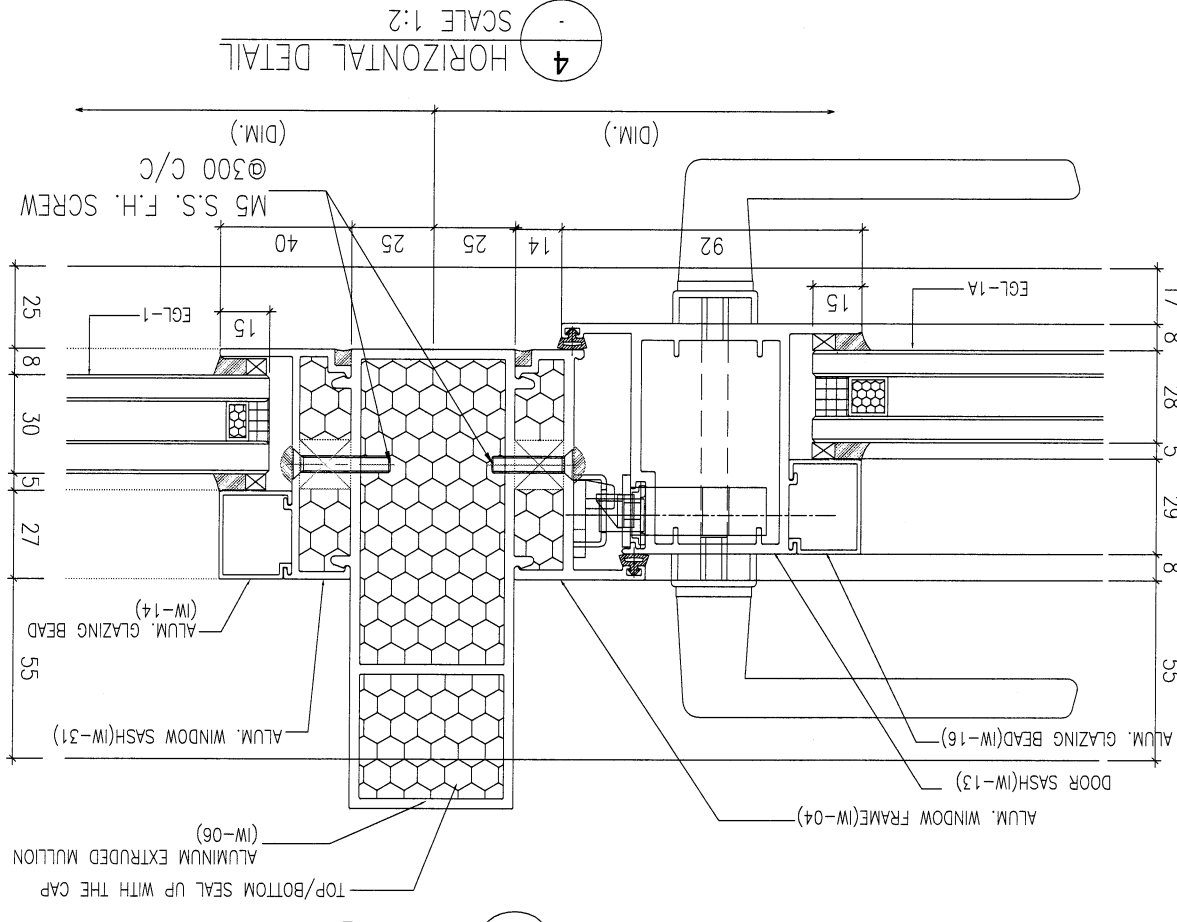
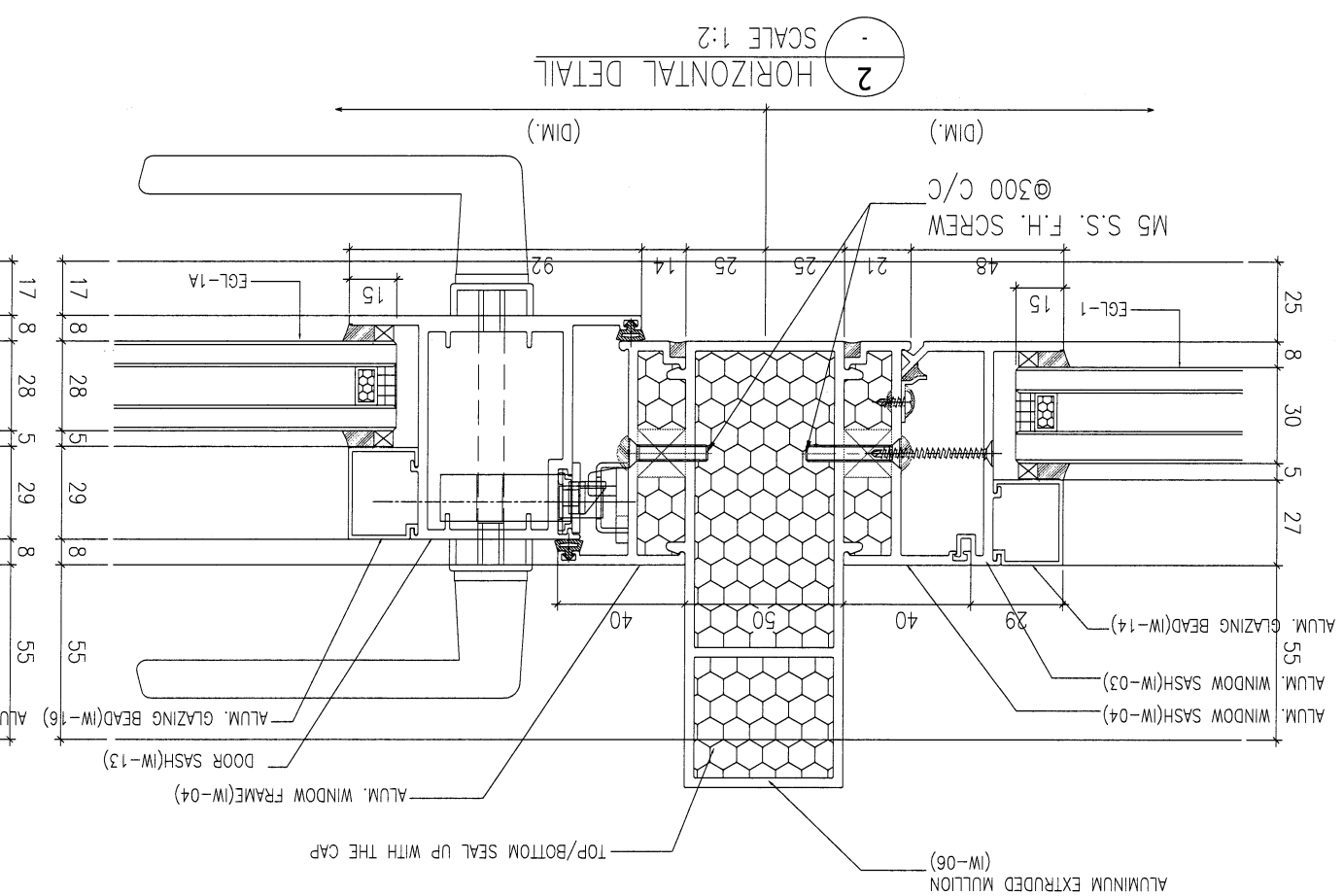
JOB NO.: J-856
PROJECT: PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE: TYPICAL DETAILS FOR IN-SITU WINDOW

DATE: 02-Aug-21
SCALE: 1:40
CHECKED BY: Ivan
DRAWN BY: Ivan

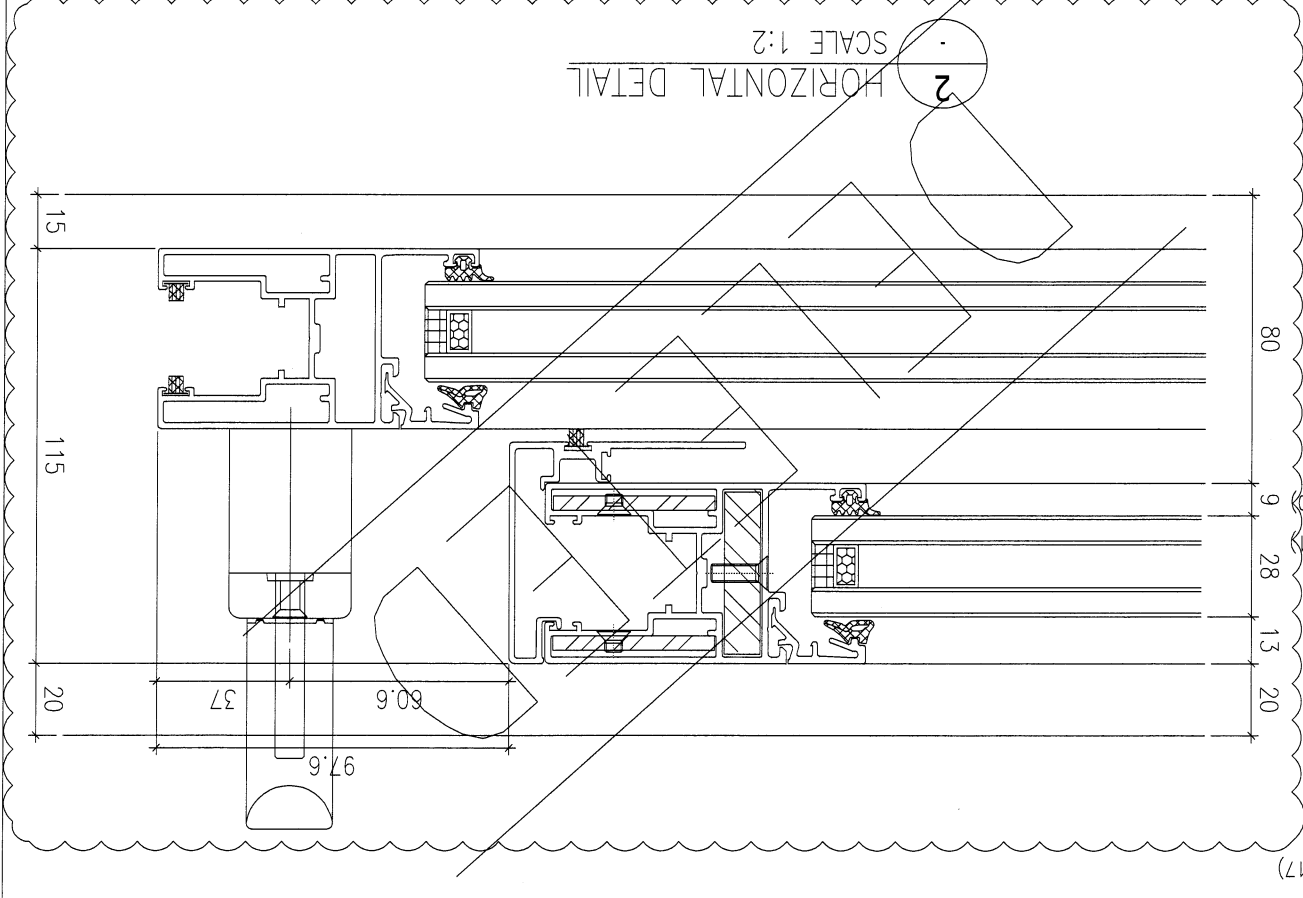
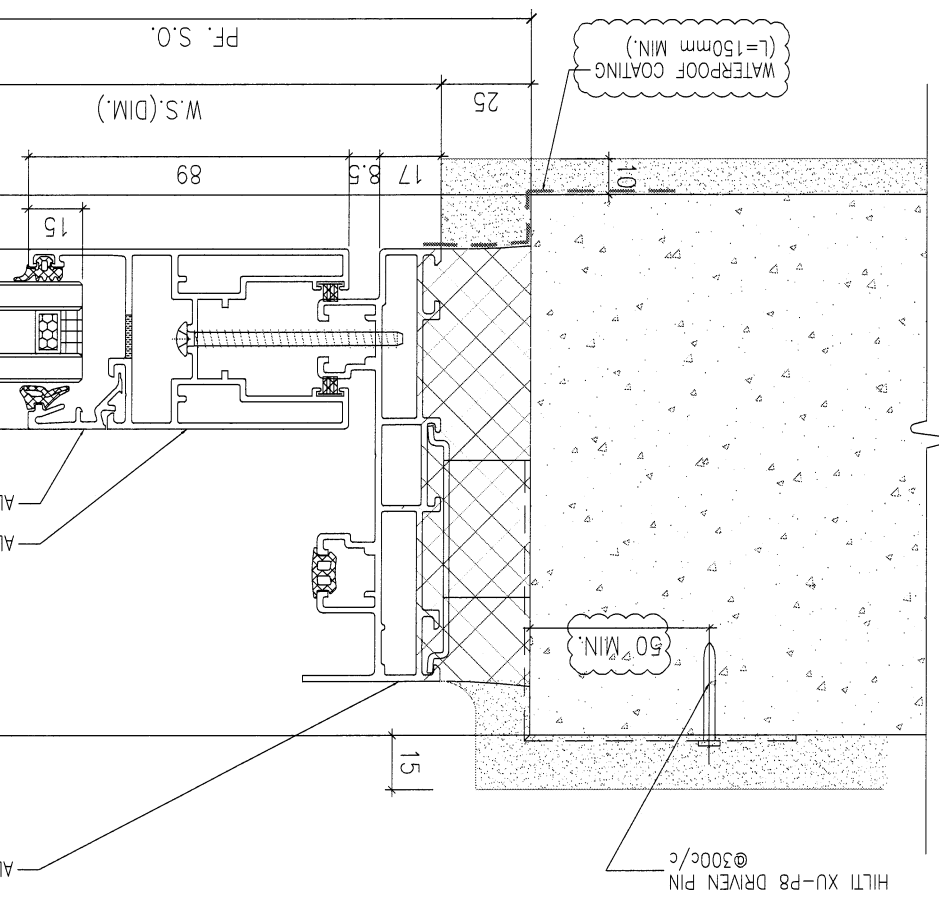
MDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel: 23489211-4 Fax: (852) 27272666

REV.: B
DWG NO.: J856-SD-IW-6002



NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE	
BEFORE FABRICATION.	
LEGEND:	
(X1)	DETAIL MARK NO.
(X001)	REFER SHEET NO.
1. F.F.L.-FINISHED FLOOR LEVEL	
2. S.F.L.-STRUCTURAL FLOOR LEVEL	
⑧ / ⑨ - REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1A--8mmHS+12mm AIR GAP+BmmTP THK, I.G.U.	
EGL-2--2--10mm THK, CLEAR TEMPERED GLASS	
EGL-4--4--10mm THK, TEMPERED ACID ETCHED GLASS	
NO. DATE	
B 28/07/2022	
A 10/11/2021	
REVISION SUBJECT TO ALPHA COMMENT	
REVISION SUBJECT TO ARCH.COMMENT	
BY	
von	
von	
JOB NO.: J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TUNN STOP "TSWTL" NO.23,AREA 33,TIN SHUI WAI,N.T.	
TITLE :	TYPICAL DETAILS FOR IN-SITU WINDOW
DATE : 02-Aug-21	SCALE : 1:40
DRAWN BY : Ivan	CHECKED BY :
Units 6-8, Suncoy Industrial Centre, 1/F, S10 Cho Kwong Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666 DWG NO.: J856-SD-IW-6003 REV.: B	

B.O. REF. :	CLIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	ARCHITECT : twk&partners a r c h i t e c t s	MAIN CONTRACTOR : Yee Fai Building Contractors Ltd. 怡輝建築有限公司	STRUCTURAL ENGINEER : ARUP	FAÇADE CONSULTANT: ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist
--------------------	-----------------	---	---	---	---------------------------------------	--



NOTE:
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND:

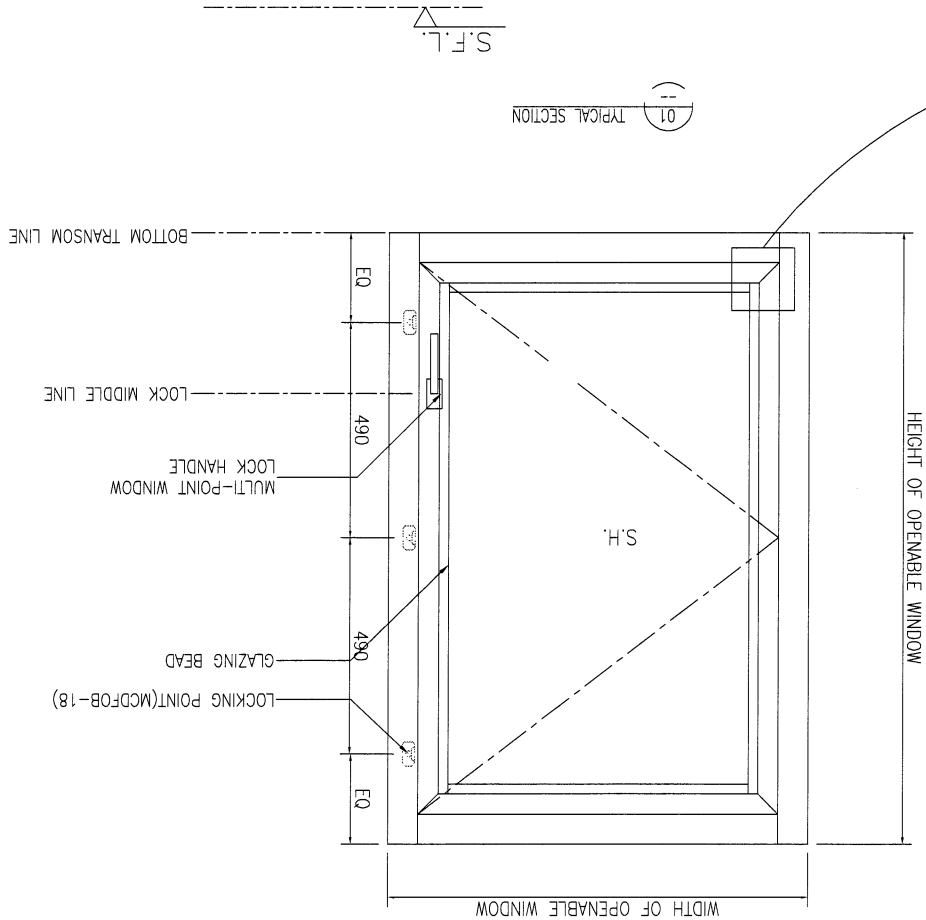
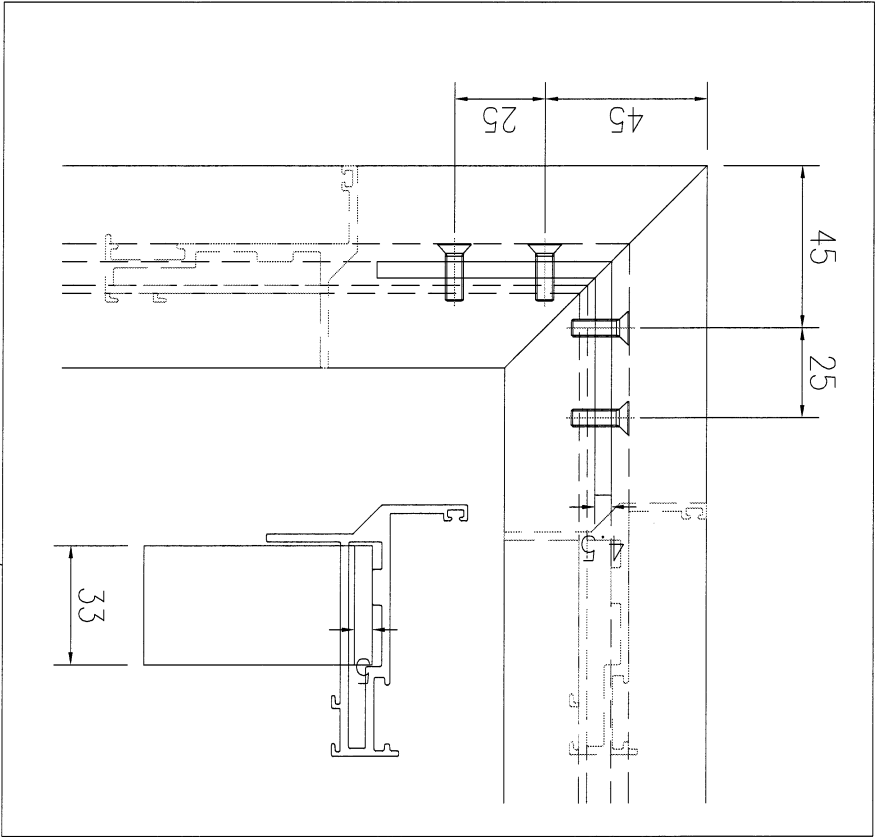
X1	DETAIL MARK NO.
X001	REFER SHEET NO.

1. F.F.L. - FINISHED FLOOR LEVEL
2. S.F.L. - STRUCTURAL FLOOR LEVEL
3. 8/ - REVERSED DETAIL
4. GLASS LEGEND

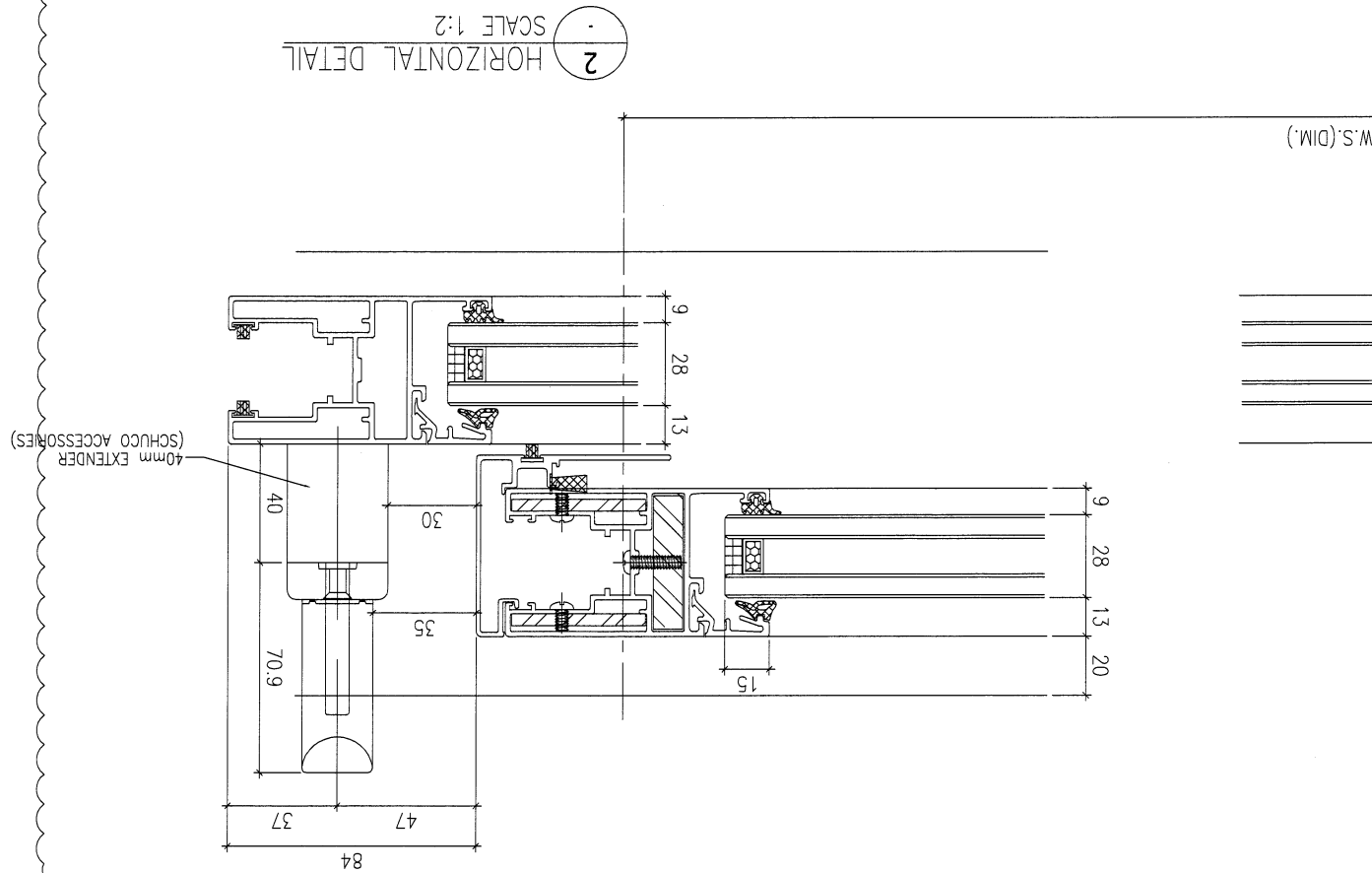
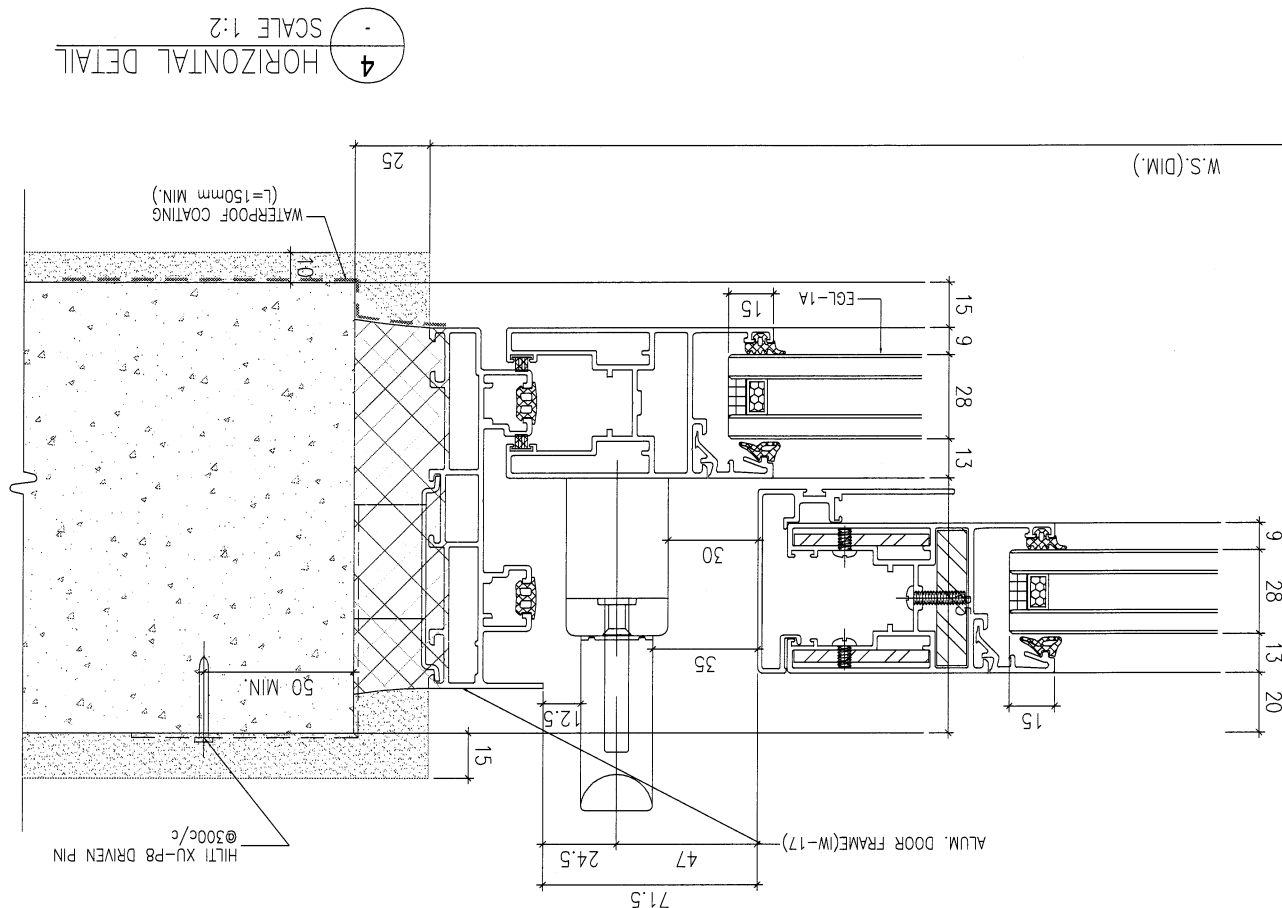
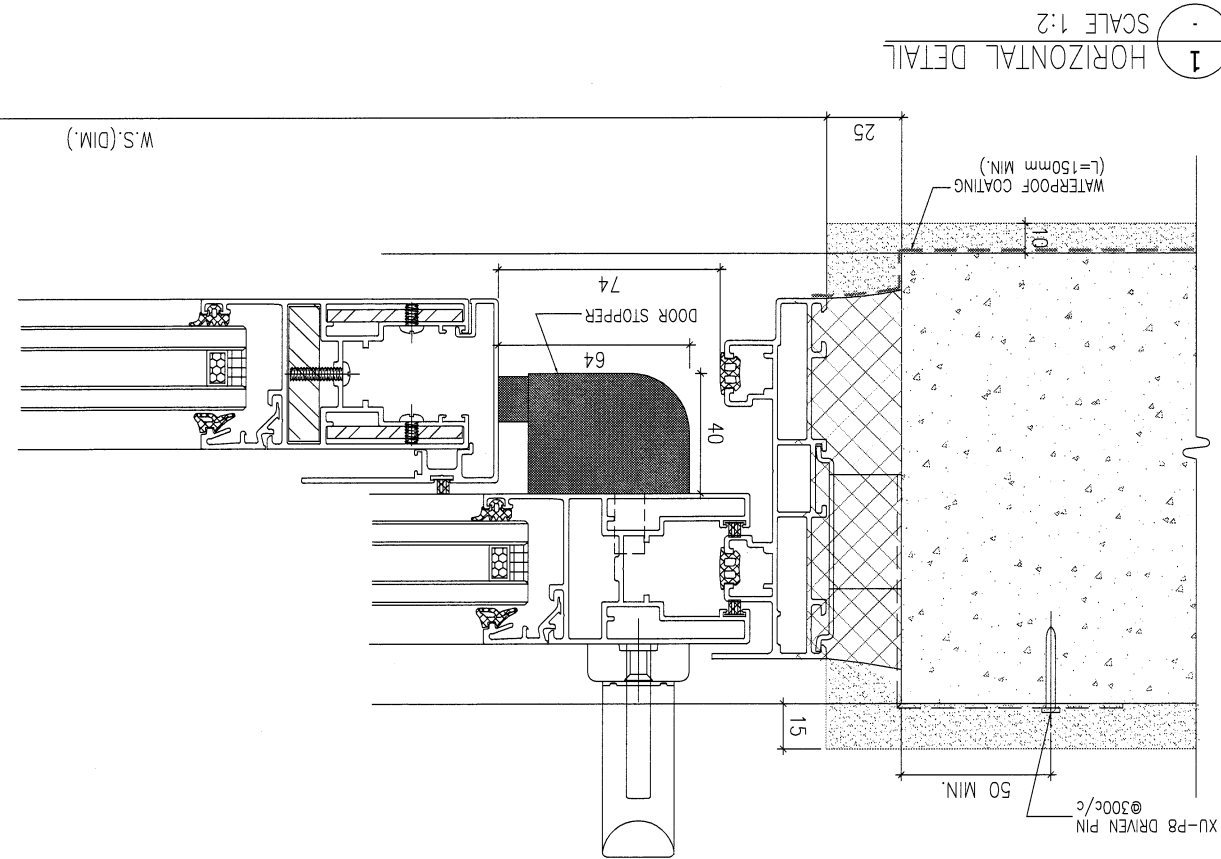
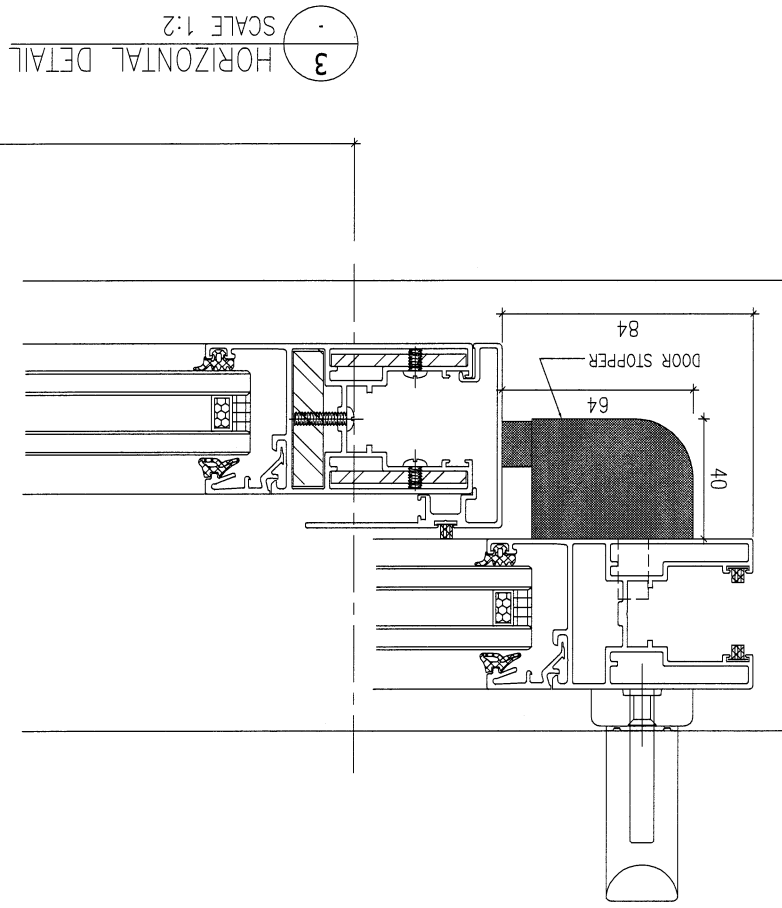
EGOL-1-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
EGOL-1A-8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
EGOL-2-2-10mm THK. CLEAR TEMPERED GLASS
EGOL-4-4-10mm THK. TEMPERED ACID ETCHED GLASS

 ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist
---	---

70窗



B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Ivk&partners architects	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
Alpha Consulting Limited Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND :	
1. F.F.L.--FINISHED FLOOR LEVEL	
2. S.F.L.--STRUCTURAL FLOOR LEVEL	
3. --REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
NO. 10/11/2021 DATE	
BY	
J-856 PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
IN-SITU WINDOW SECTION TYPICAL LOCK & HINGES DETAIL	
DATE : 02-Aug-21 SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)2727666	
DWG NO. : J856-SD-IW-6005 REV. : A	



NO.	DATE	REMSD	BY
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT	IND
B	23/06/2022	REVISION SUBJECT TO ARCH.COMMENT	IND
C	15/08/2022	REVISION SUBJECT TO ARCH.COMMENT	IND

008 NO. :	J-856
PROJECT :	PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TWIN STOP, TSWTL NO.23, AREA 33. TIN SHUI WAI, N.T.
TITLE :	G.M.S FIXING LUG TYPICAL DETAIL FOR IN-SITU WINDOW

DATE : 02-Aug-21	SCALE : 1:60
DRAWN BY : Ivan	CHECKED BY :




MIDI
 ALUMINIUM FABRICATOR LTD.
 Units 6-8, Sunny Industrial Centre, 1/F
 10 Cha Kwo Ling Road, Kowloon
 Tel: 23489211-4 Fax: (852) 27727666
 PWG NO.: J856-SD-IW-6007
 REV.: C

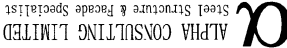
NOTE: 1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

1. DETAIL MARK NO.
2. REFER SHEET NO.
3. F.F.L. - FINISHED FLOOR LEVEL
4. S.F.L. - STRUCTURAL FLOOR LEVEL
5. REVERSED DETAIL

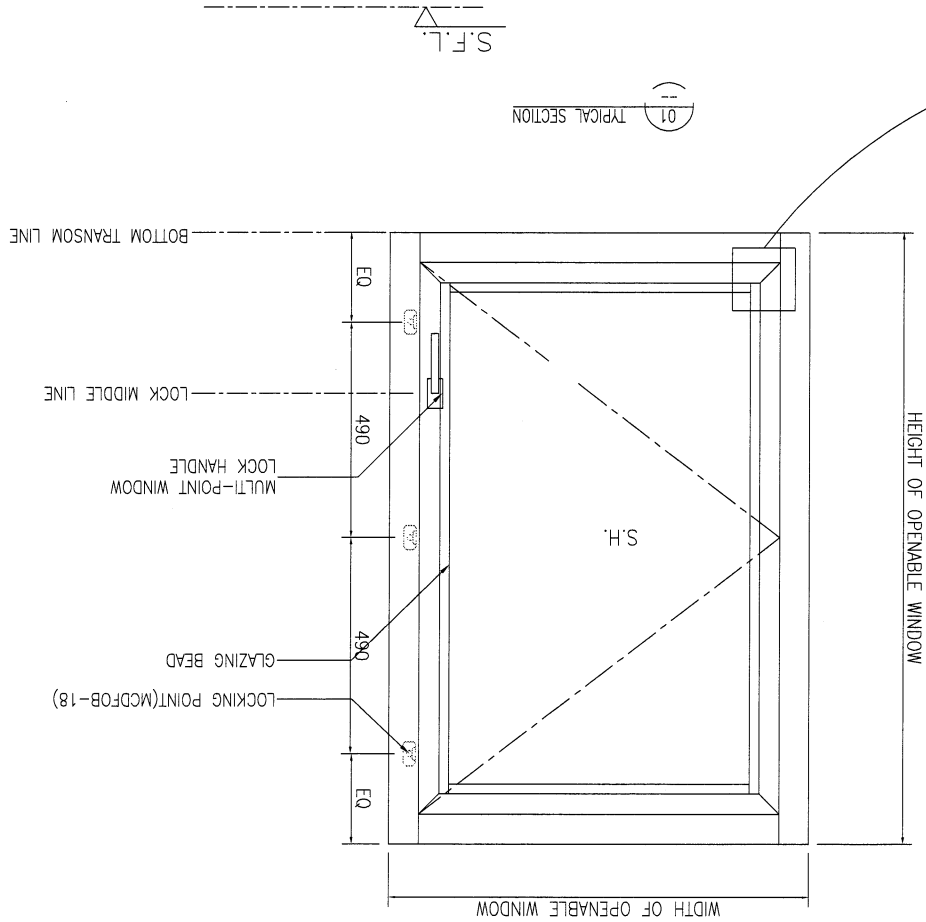
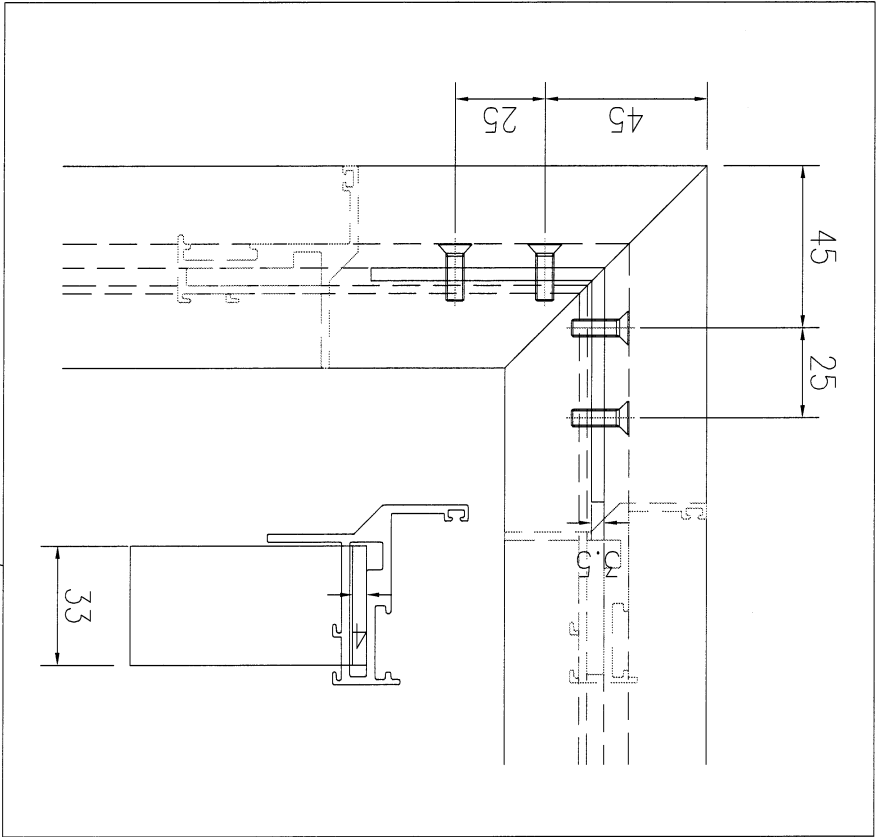
GLASS LEGEND

GL-1 - 8mmHS+12mm AIR GAP+10mmTP THK. (6.0).
GL-2 - 2-10mm THK. CLEAR TEMPERED GLASS
GL-4 - 4-10mm THK. TEMPERED ACID ETCHED GLASS

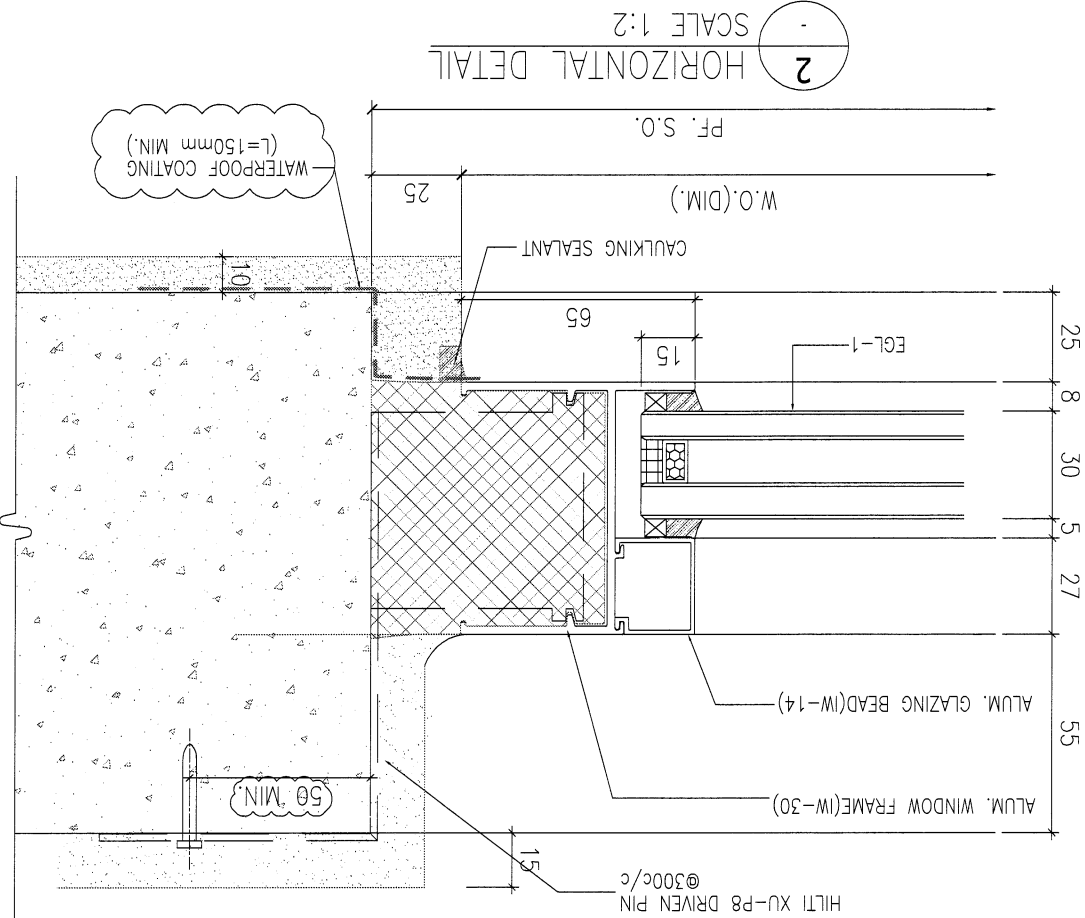
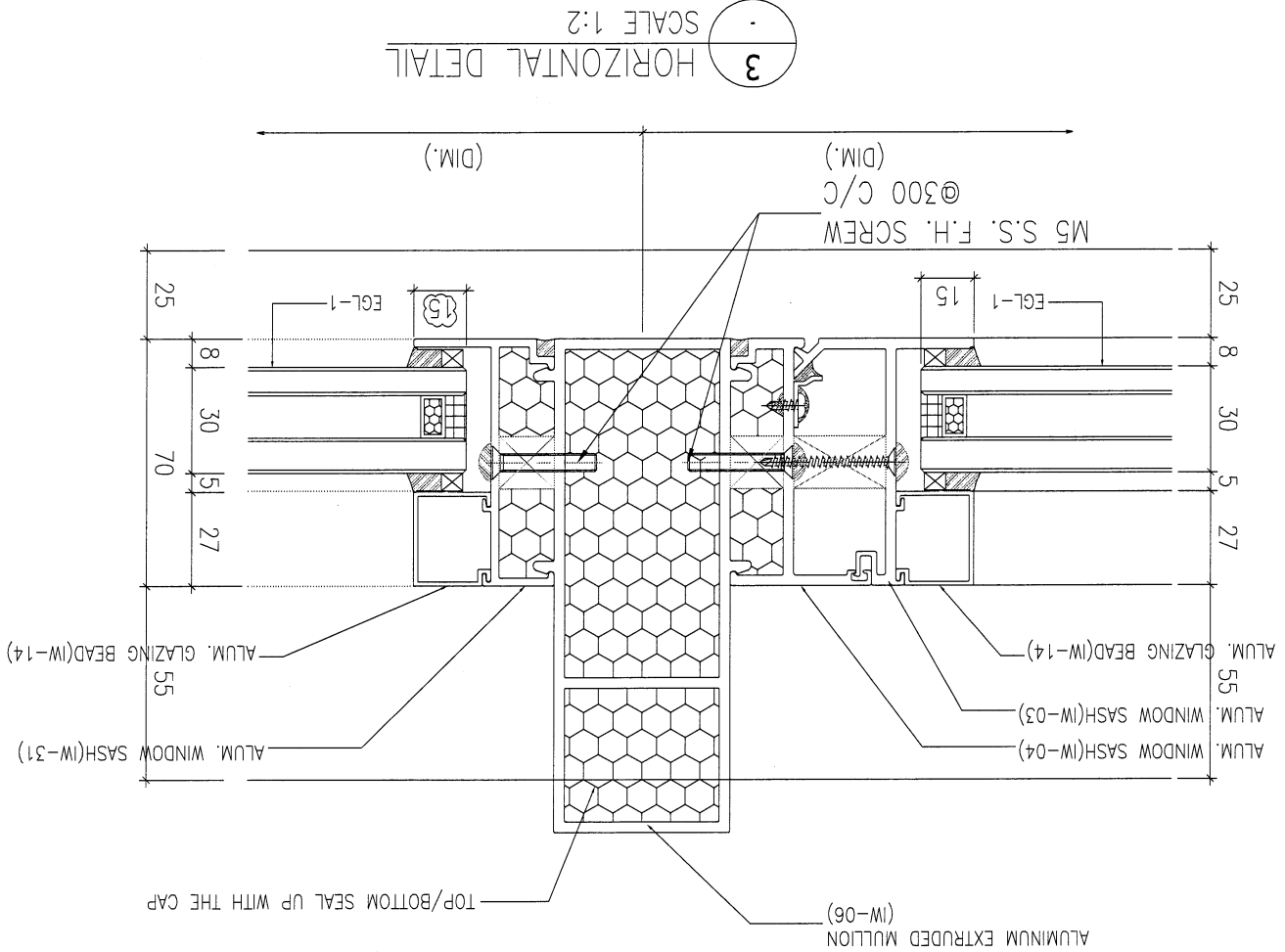
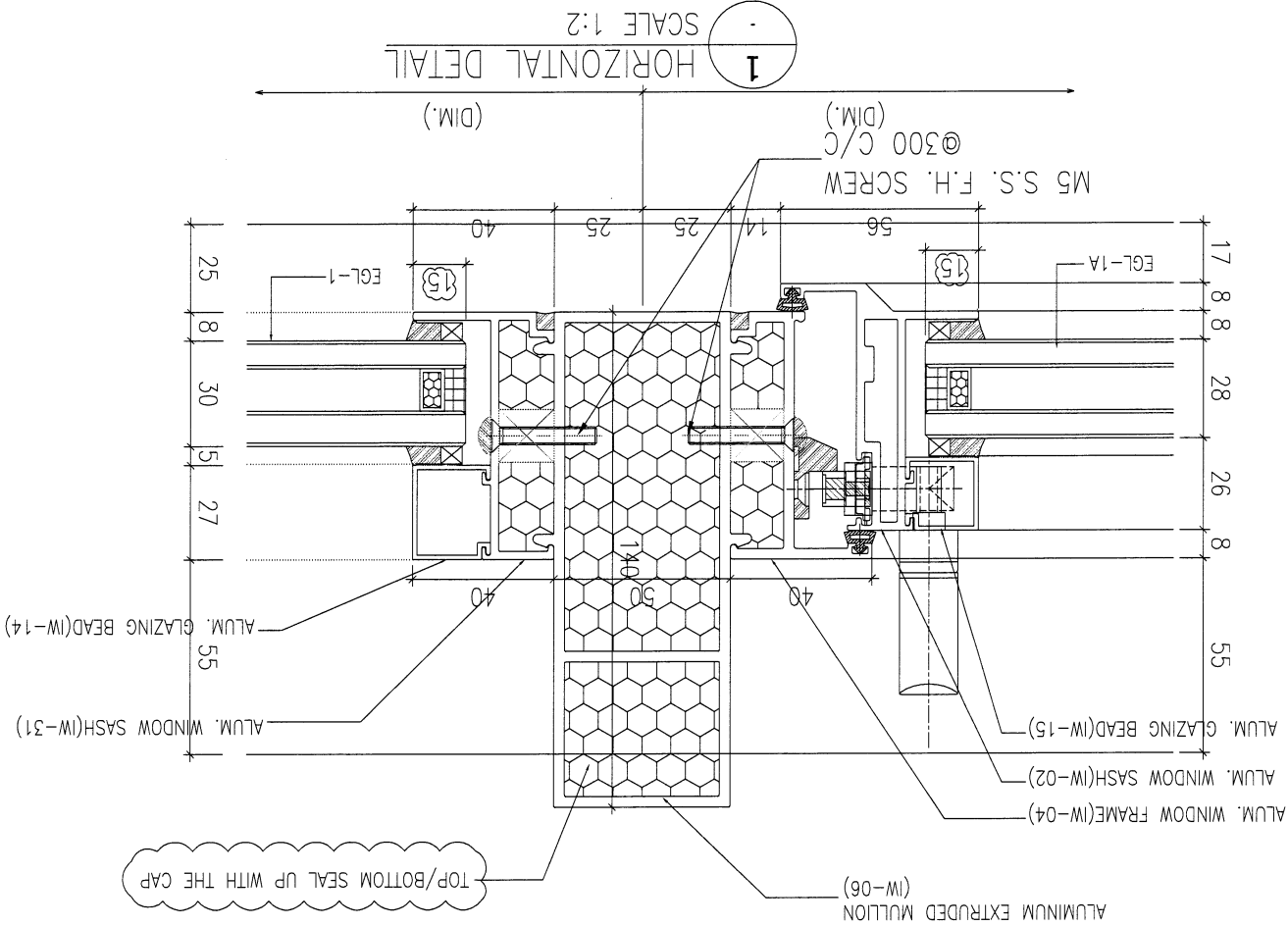
CLIENT :	 SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F, SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	 Iw&partners a r c h i t e c t s
MAIN CONTRACTOR :	 Yee Fai Building Contractors Ltd.
STRUCTURAL ENGINEER :	 ARUP
FAÇADE CONSULTANT:	 ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist

B.D. REF :

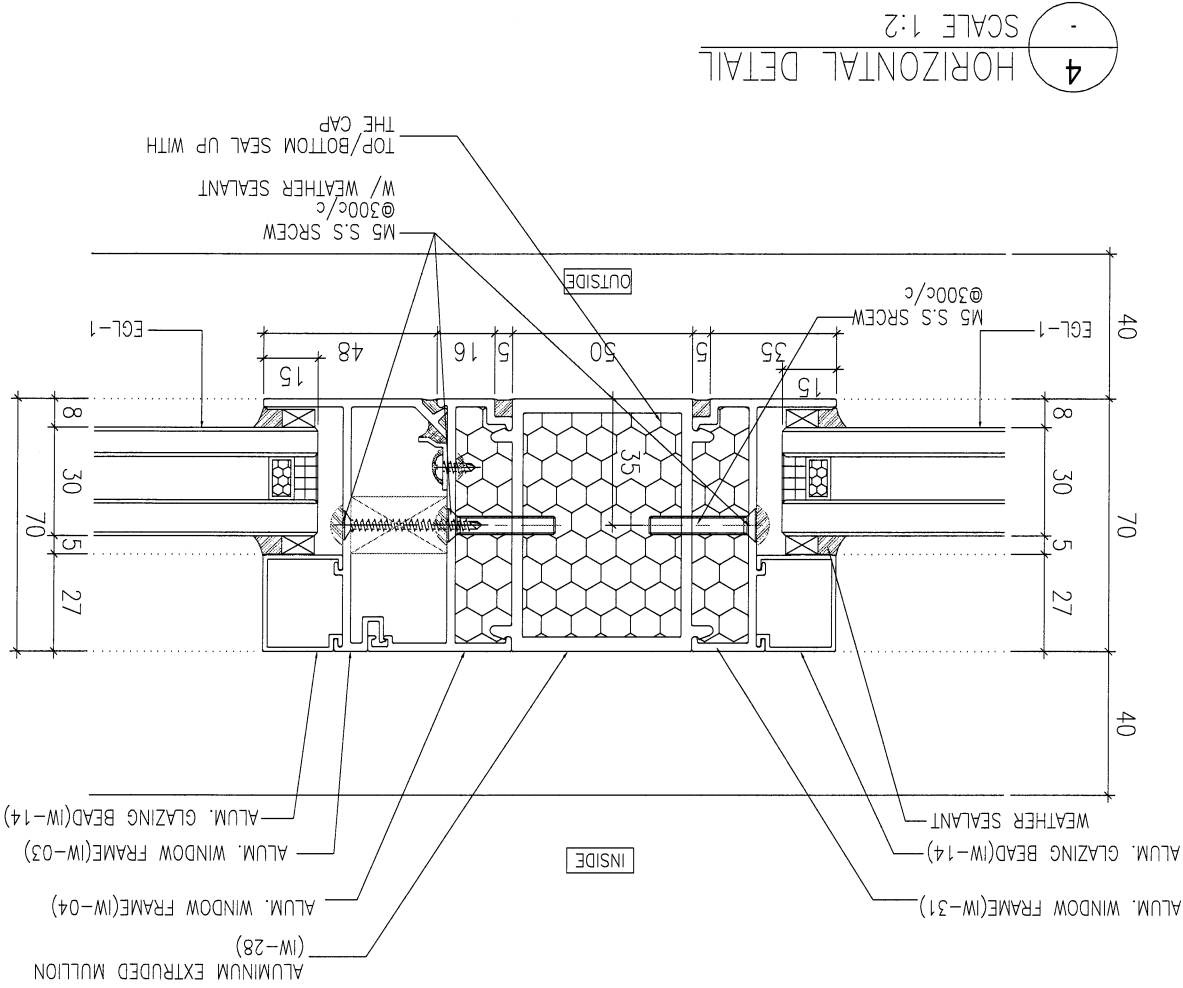
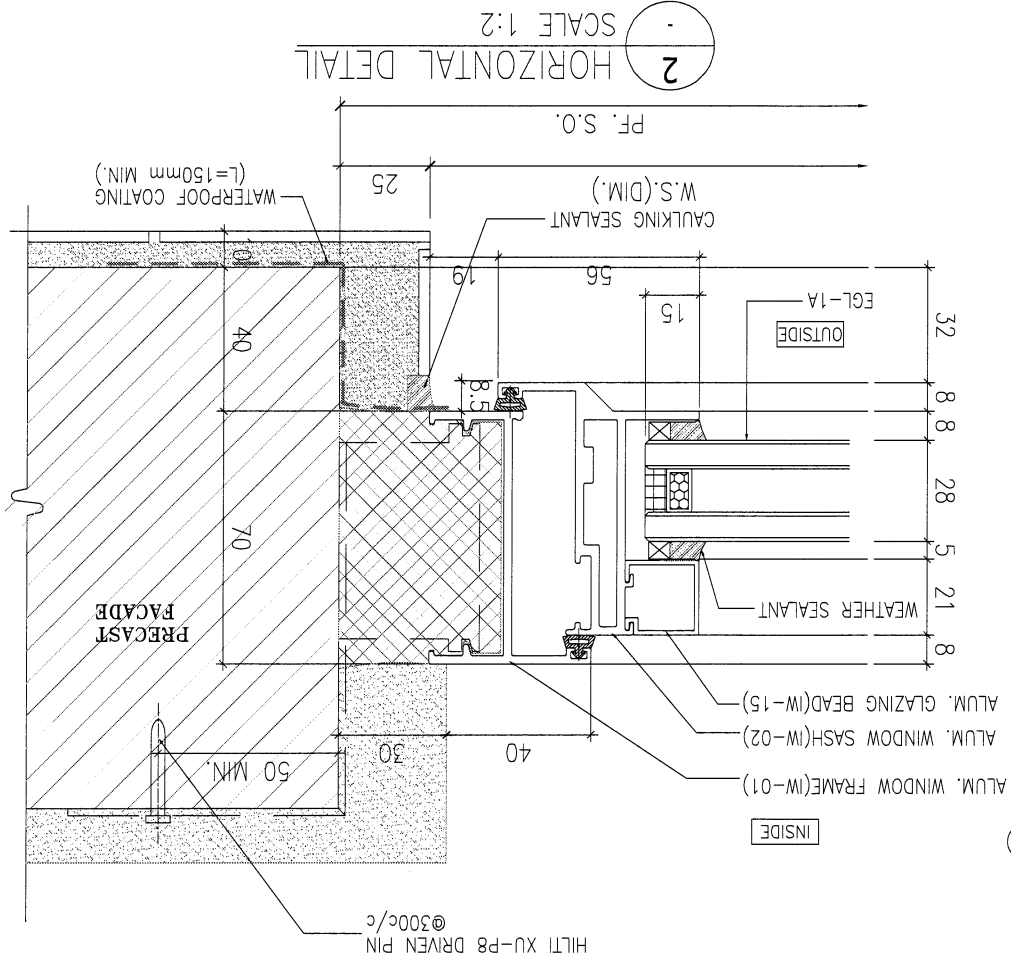
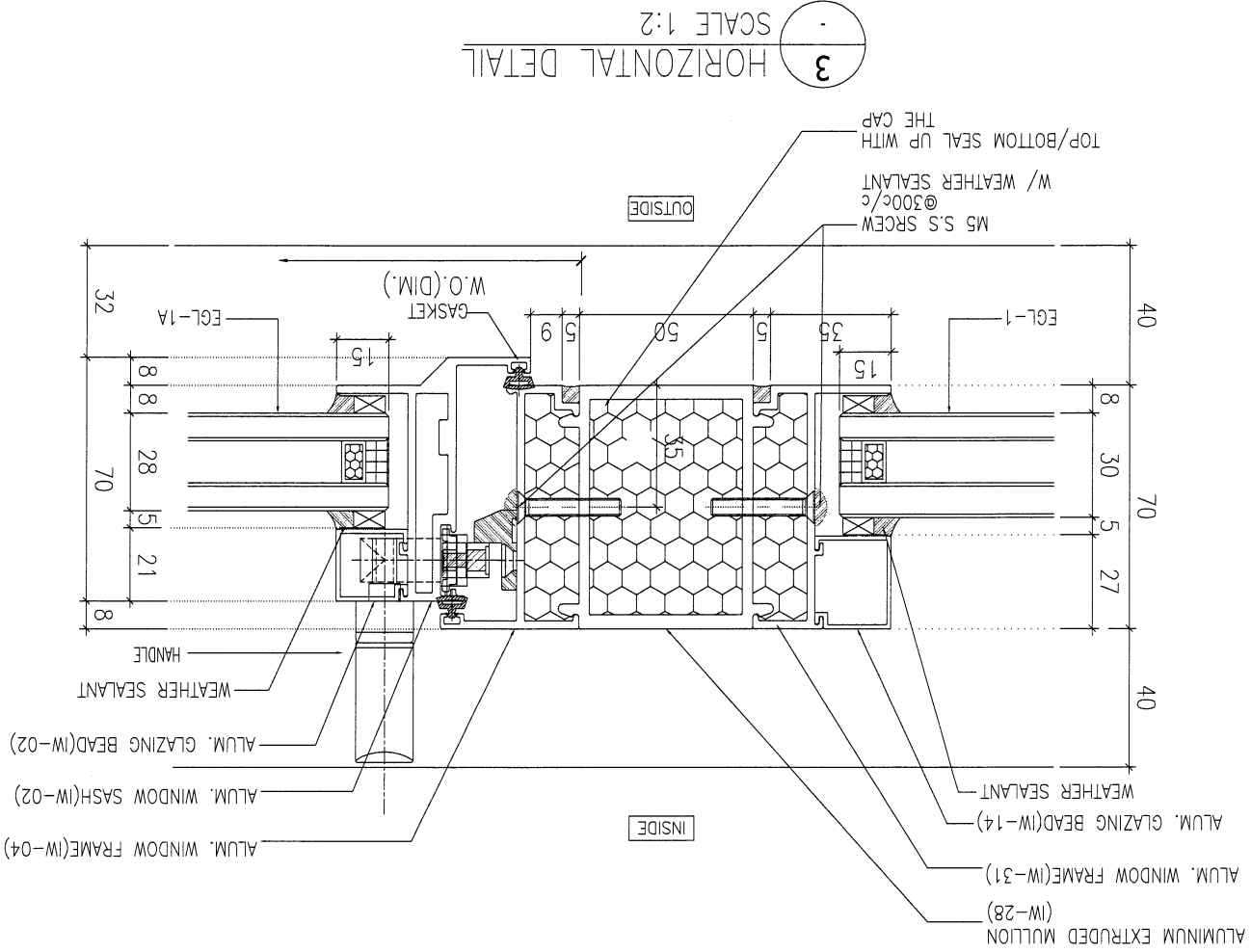
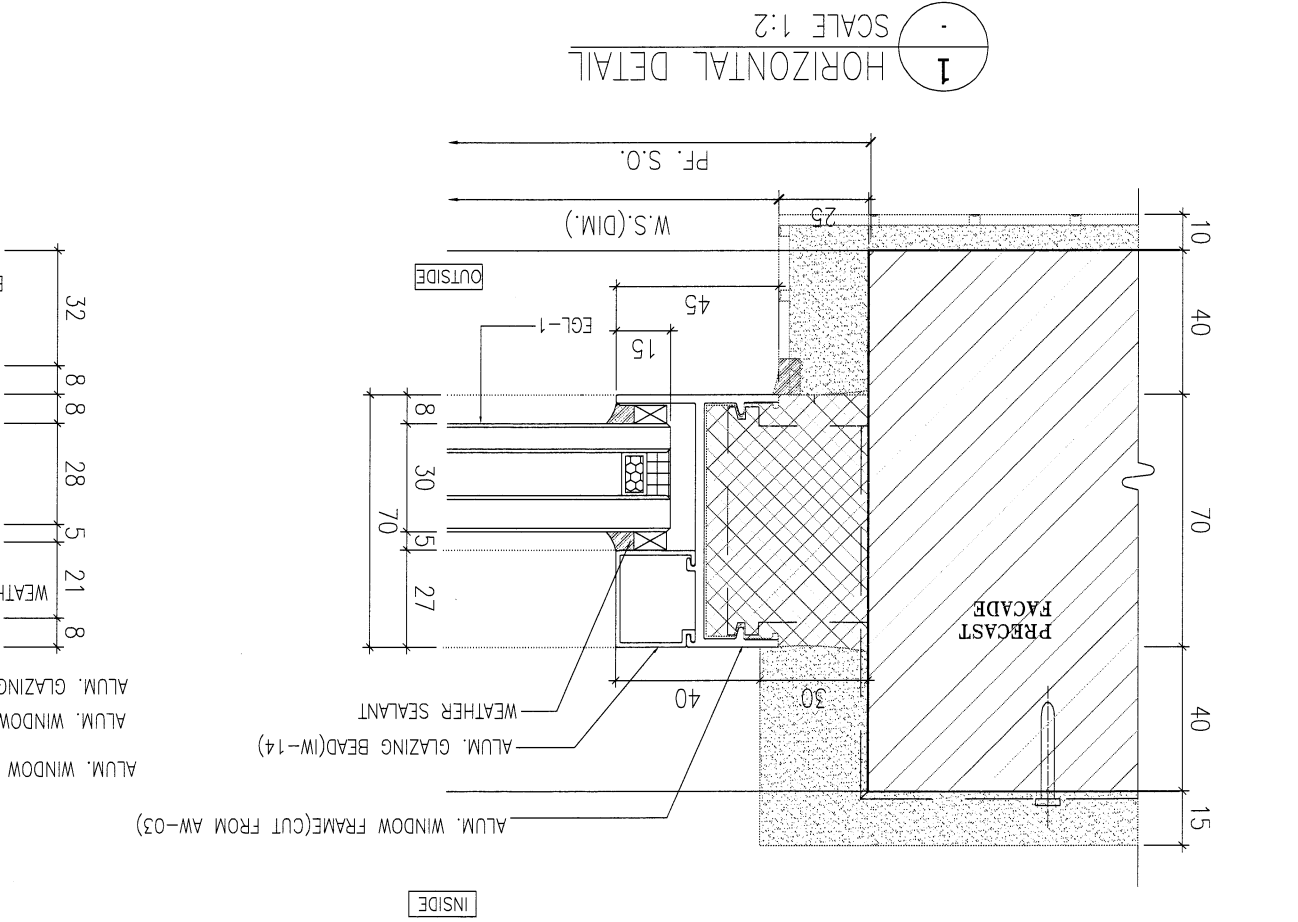
50窗



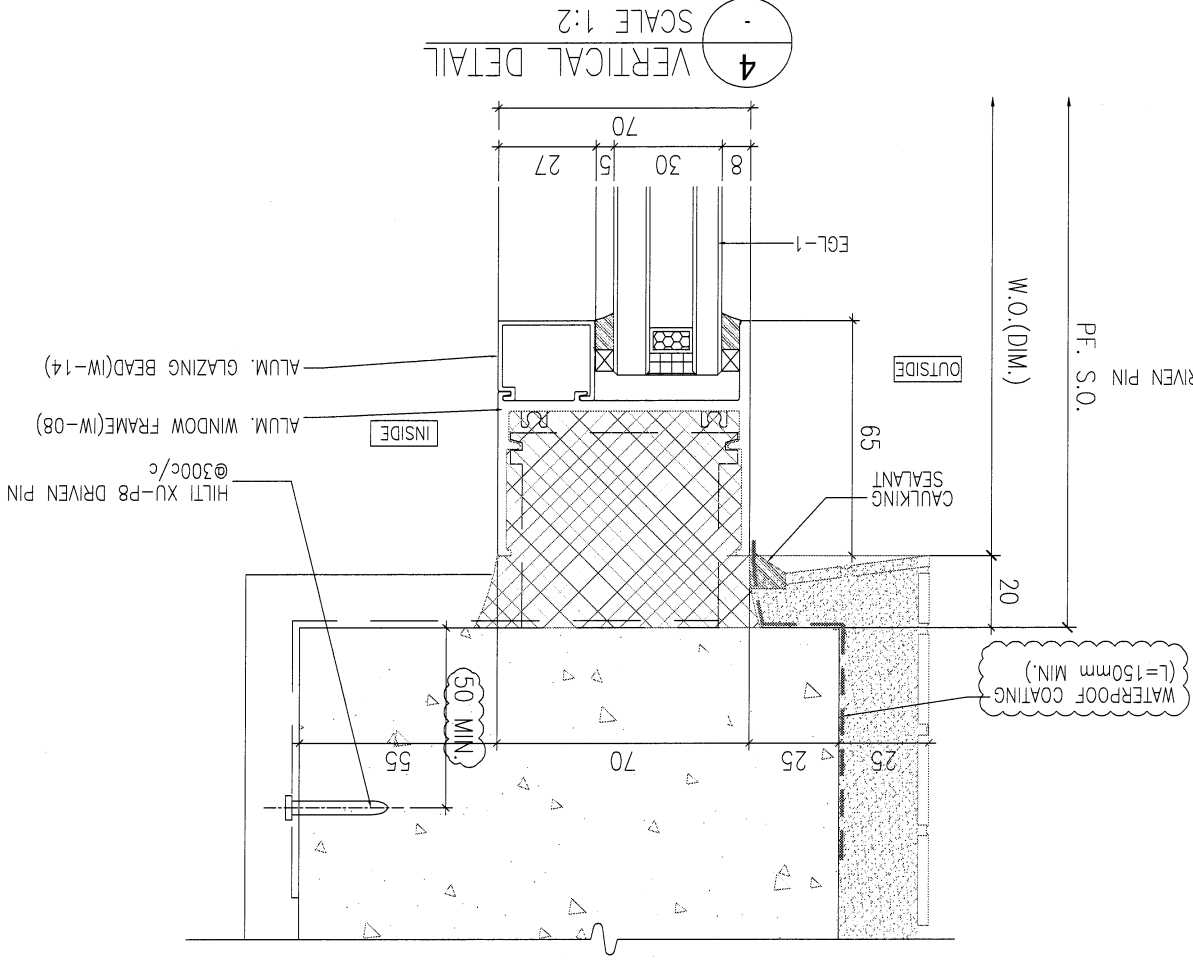
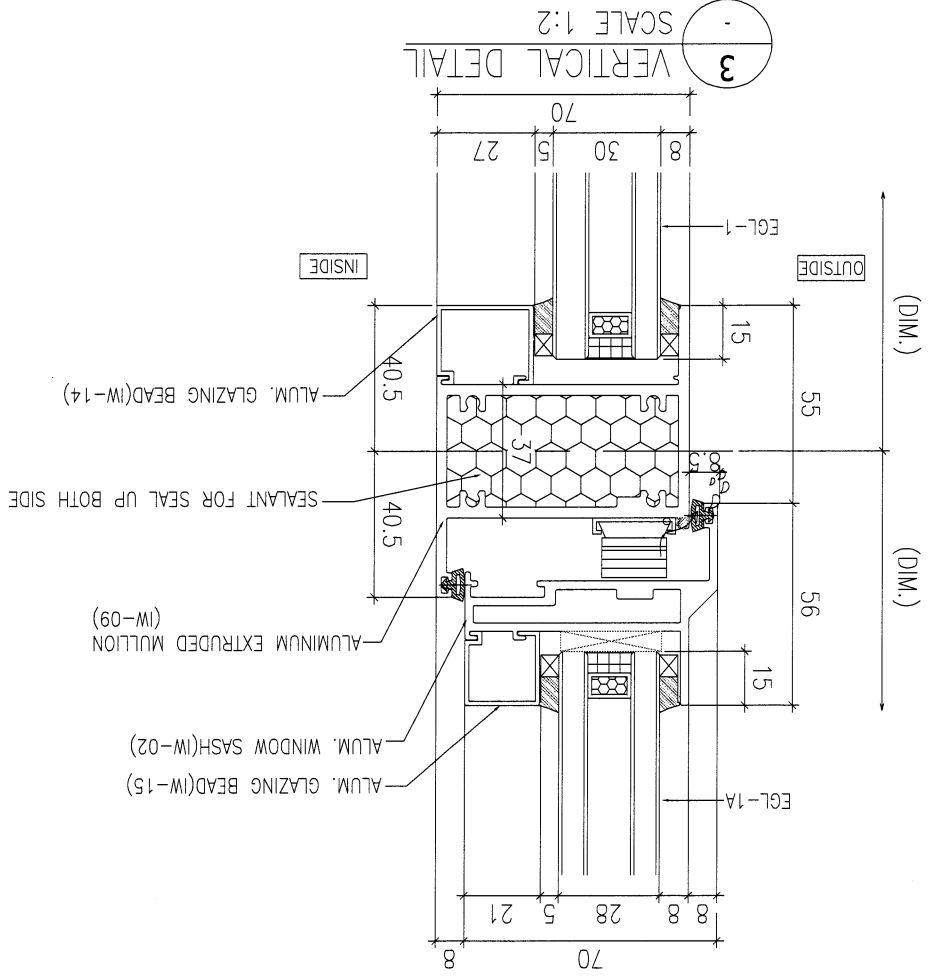
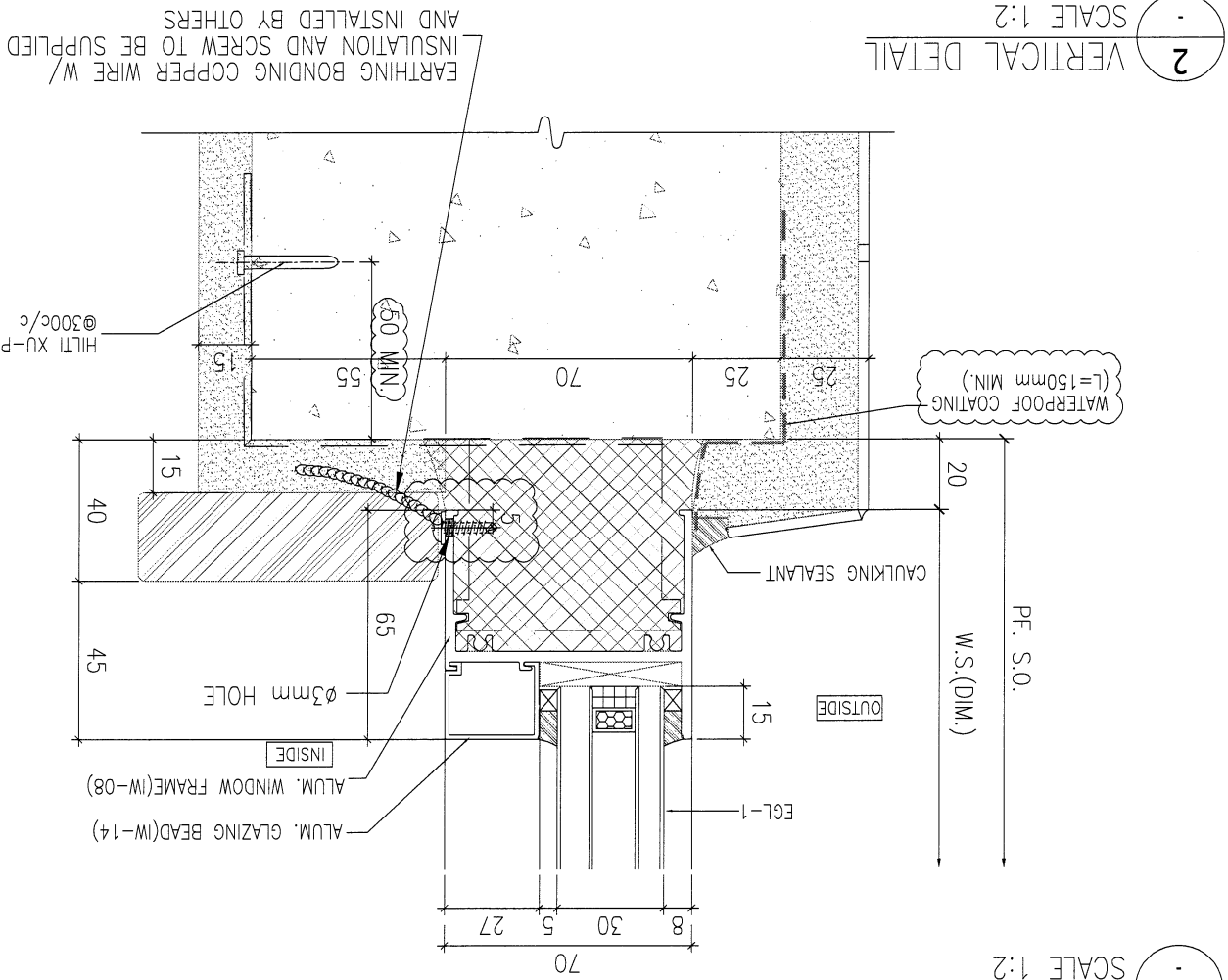
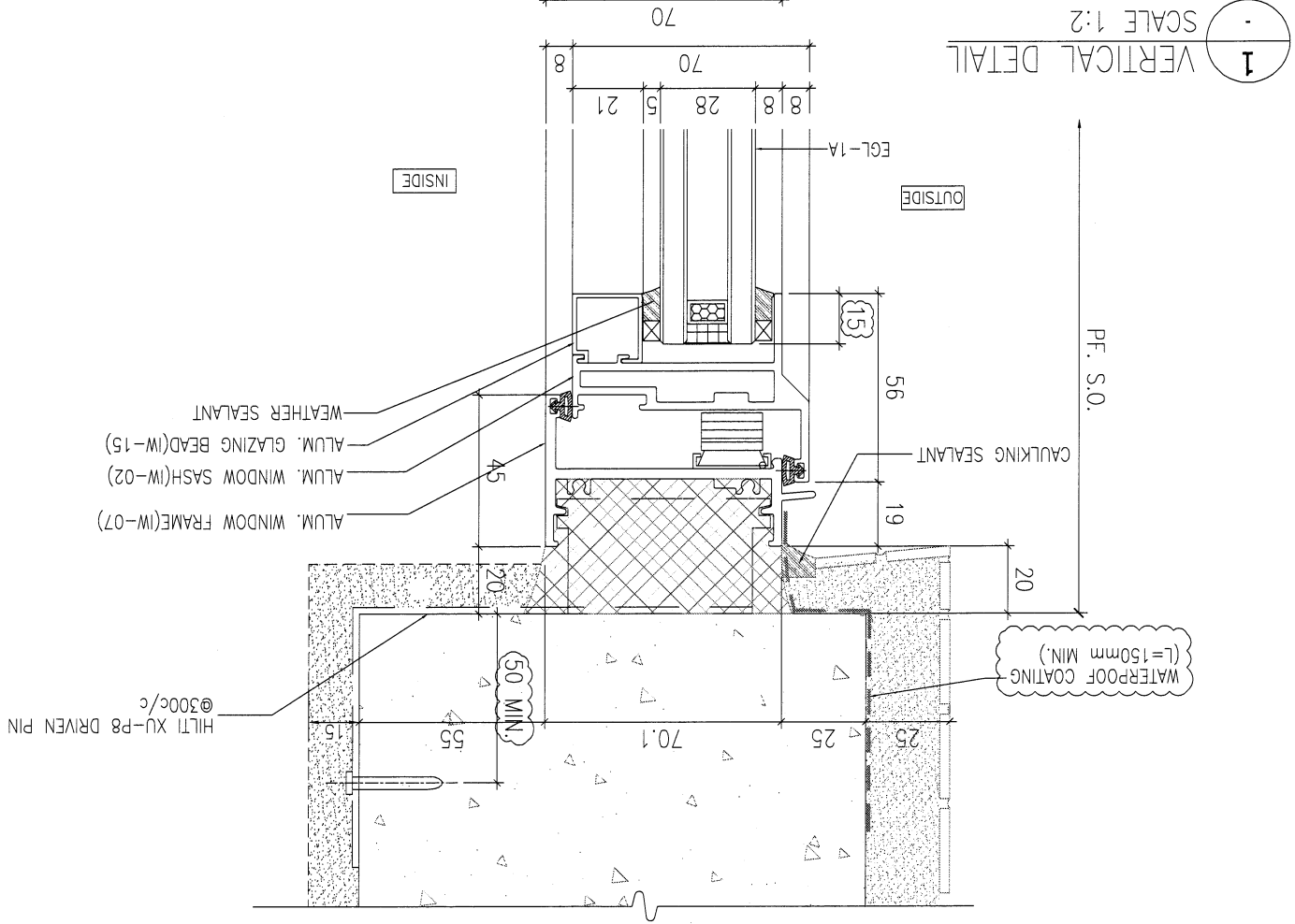
B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE :	
IN-SITU WINDOW SECTION TYPICAL LOCK & HINGES DETAIL	
DATE : 02-Aug-21	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel: 2348921-4 Fax: (852) 27727666	
DWG NO. : J856-SD-IW-6007d	
REV. : A	



B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners architects	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP Steel Structure & Facade Specialist	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
1. F.F.L.--FINISHED FLOOR LEVEL	
2. S.F.L.--STRUCTURAL FLOOR LEVEL	
3. --REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
EGL-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
TYPICAL DETAILS FOR IN-SITU WINDOW	
DATE : 20-Jun-22	
SCALE : 1:40	
DRAWN BY : Ivan	
CHECKED BY :	
DWG NO. : J856-SD-IW-6008	
REV. : A	
MIDI ALUMINUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27272666	

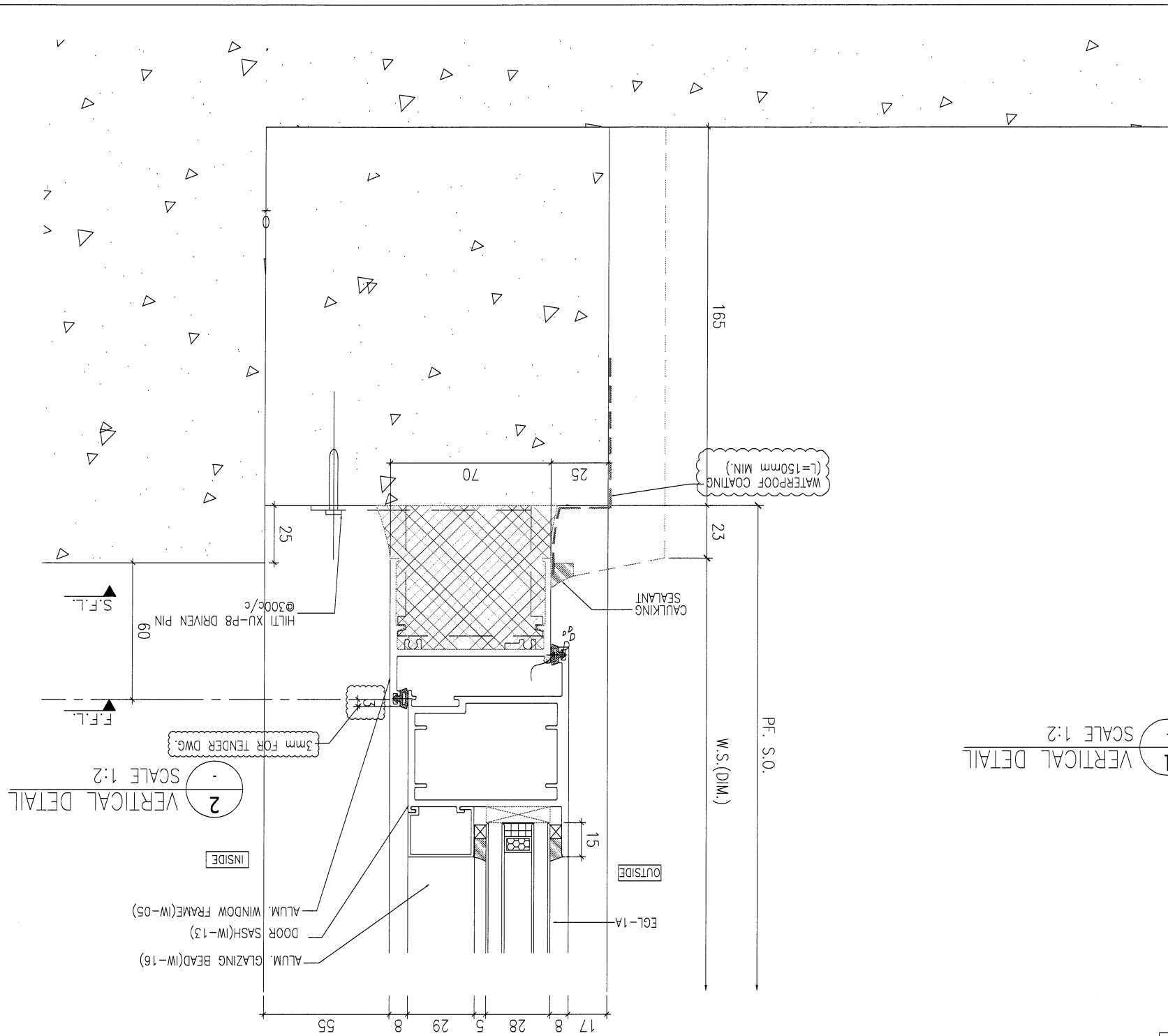


B.D. REF. :		CLIENT :		SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG		ARCHITECT :		lw&partners a r c h i t e c t s		MAIN CONTRACTOR :		S K 怡輝建築有限公司 Yee Fai Building Contractors Ltd.		STRUCTURAL ENGINEER :		ARUP		FAÇADE CONSULTANT:		ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist		NOTE:		1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.		LEGEND:		X1 DETAIL MARK NO. X001 REFER SHEET NO. 1. F.F.L.--FINISHED FLOOR LEVEL 2. S.F.L.--STRUCTURAL FLOOR LEVEL 3. (R) --REVERSED DETAIL 4. GLASS LEGEND EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. EGL-2--10mm THK. CLEAR TEMPERED GLASS EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
-------------	--	----------	--	---	--	-------------	--	------------------------------------	--	-------------------	--	---	--	-----------------------	--	------	--	--------------------	--	---	--	-------	--	--	--	---------	--	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



B.D. REF :	
CLIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
ARCHITECT :	iw&partners architects
MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FACADE CONSULTANT:	ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist
NOTE:	1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.
LEGEND:	1000 DETAIL MARK NO. 1000 REFER SHEET NO. 1 F.F.L.--FINISHED FLOOR LEVEL 2 S.F.L.--STRUCTURAL FLOOR LEVEL 3 REVERSED DETAIL 4 GLASS LEGEND EGL-1 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-1A 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. EGL-2 10mm THK. CLEAR TEMPERED GLASS EGL-4 10mm THK. TEMPERED ACID ETCHED GLASS
JOB NO. :	J-856
PROJECT :	PROPOSED DEVELOPMENT ABOVE NO.23,AREA 33,TIN SHUI WAI, N.T.
TITLE :	TYPICAL DETAILS FOR IN-SITU WINDOW
DATE :	02-Aug-21
SCALE :	1:40
CHECKED BY :	Ivan
DRAWN BY :	Ivan
DWG NO. :	J856-SD-IW-7002
REV. :	D

DWG NO. :	J856-SD-IW-7002
REV. :	D
PROJECT :	PROPOSED DEVELOPMENT ABOVE NO.23,AREA 33,TIN SHUI WAI, N.T.
TITLE :	TYPICAL DETAILS FOR IN-SITU WINDOW
DATE :	02-Aug-21
SCALE :	1:40
CHECKED BY :	Ivan
DRAWN BY :	Ivan
DWG NO. :	J856-SD-IW-7002
REV. :	D



NO.	DATE	REVISIONS
C	28/07/2022	REVISION SUBJECT TO ALPHA COMMENT
D	26/07/2022	REVISION SUBJECT TO ARCH.COMMENT
B	24/11/2021	REVISION SUBJECT TO ARCH.COMMENT
A	10/11/2021	REVISION SUBJECT TO ARCH.COMMENT
BY		

JOB NO.: J-856

PROJECT :
PROPOSED DEVELOPMENT ABOVE
LIGHT RAIL TIN WING STOP, ISWTL
NO.23, AREA 33, TIN SHUI WAI, N.T.

TITLE :

TYPICAL DETAILS FOR
N-SITU WINDOW

DATE : 02-Aug-21
SCALE : 1:40

DRAWN BY : Ivon
CHECKED BY :


MIDI
 ALUMINIUM FABRICATOR LTD.
美特鋁寶有限公司

Units B-8, Sunny Industry Centre, 1/F
610 Cho Kwong Road, Kowloon
Tel:23489211-4 Fax:(852)27277666
DWG NO.: J4856-SD-IW-7003 REV.: D

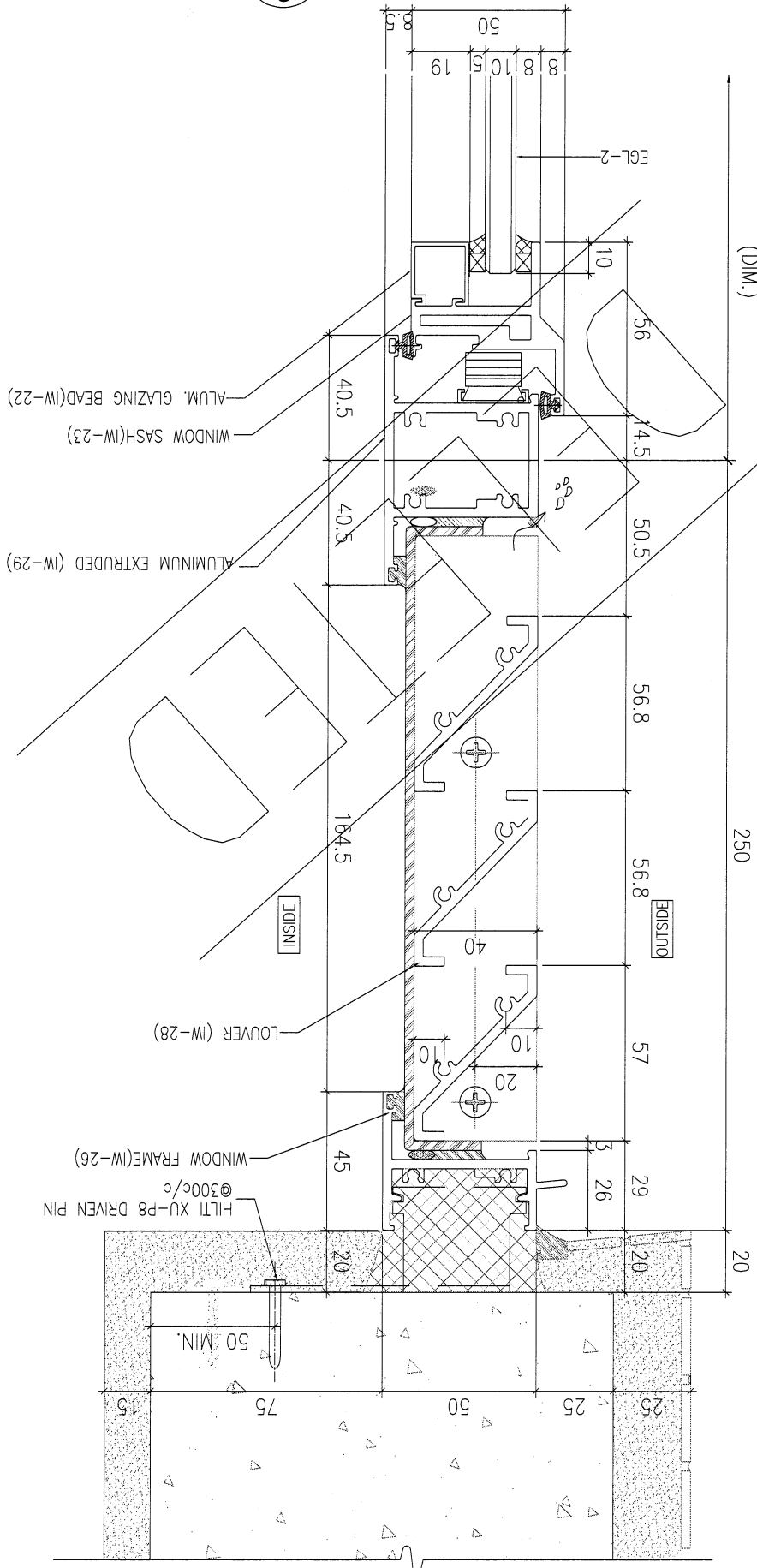
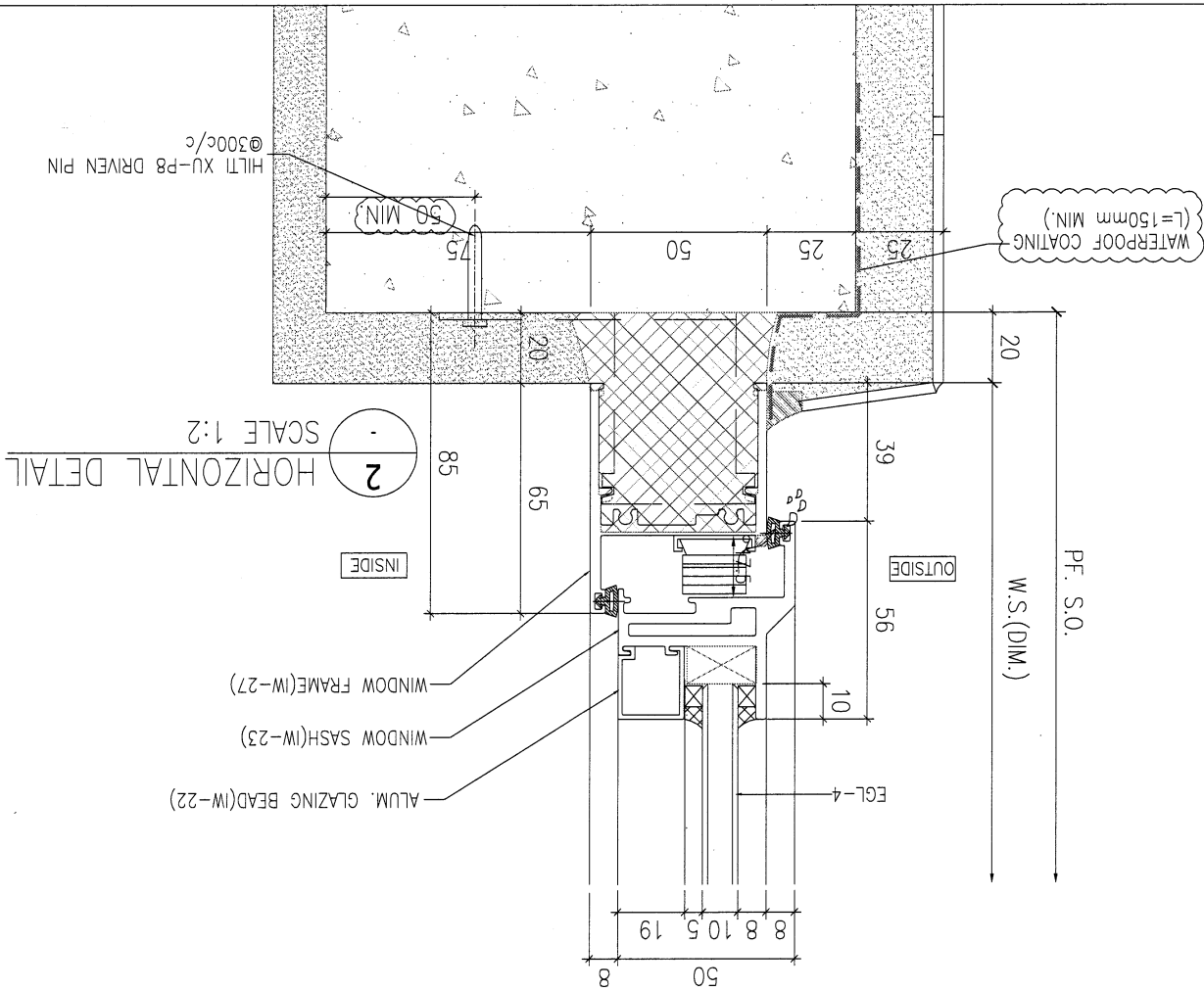
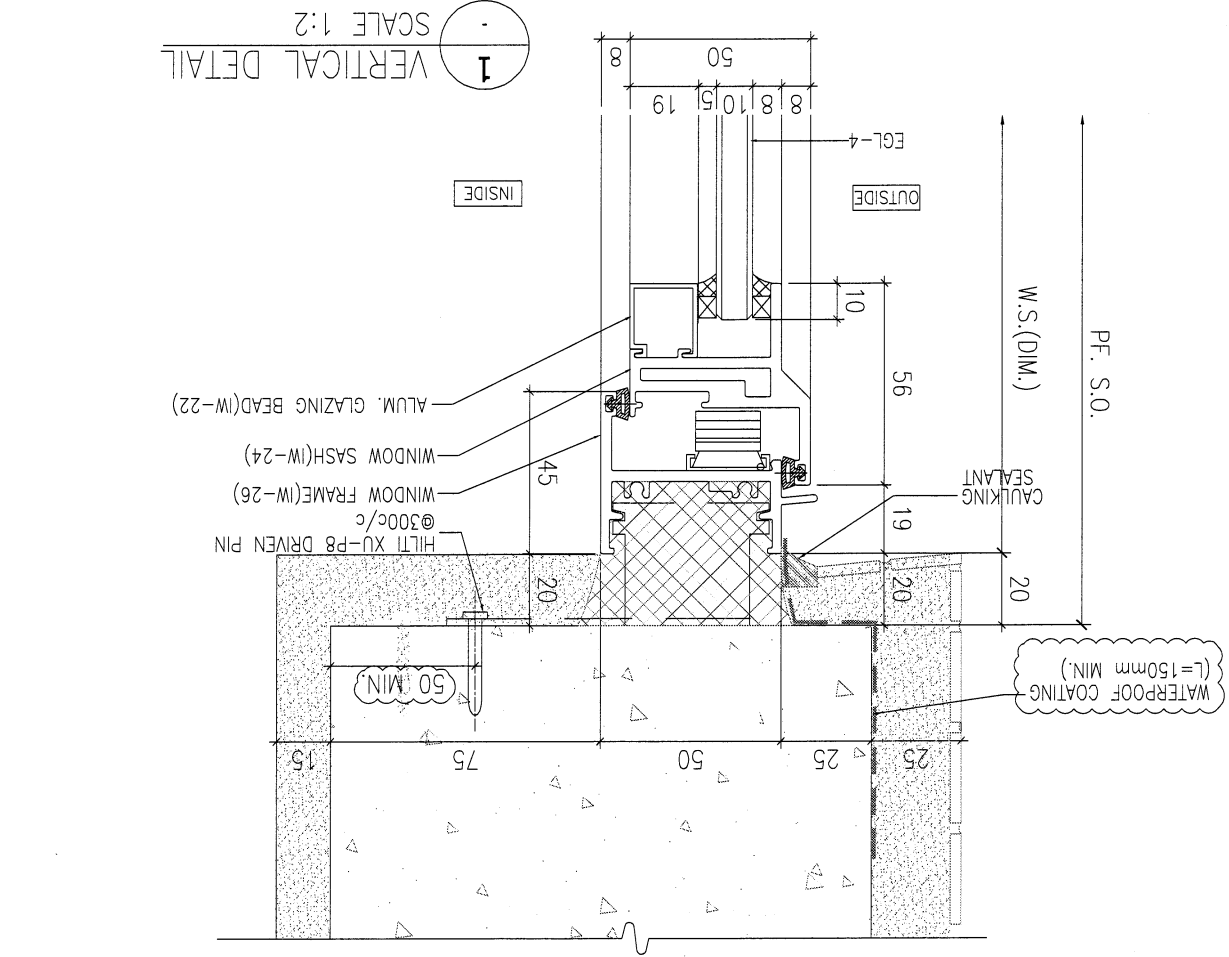
NOTE:
1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

X1	DETAIL MARK NO.
Ø	REFER SHEET NO.
1. F.F.L	--FINISHED FLOOR LEVEL
2. S.F.L	--STRUCTURAL FLOOR LEVEL
3. Ø	--REVERSED DETAIL
4. GLASS LEEDNO	

1. EGL-1--8mmHSHS+12mm AIR GAP+10mmTP THK. I.G.U.
2. EGL-1A--8mmHSHS+12mm AIR GAP+8mmTP THK. I.G.U.
3. EGL-2--10mm THK. CLEAR TEMPERED GLASS
4. EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS

B.D. REF :	CIENT :	SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	Architects s t r u c t u r a l s	MAIN CONTRACTOR :	Yee Fai Building Contractors Ltd. 怡輝建築有限公司	STRUCTURAL ENGINEER :	ARUP	FACE CONSULTANT: α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist
-------------------	----------------	--	--	---------------------------------	---	-------------------------------------	--------------------	--



B.D. REF :

CLIENT : **SUN HUNG KAI** REAL ESTATE AGENCY LTD.
42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

ARCHITECT : **IWK&partners** architects

MAIN CONTRACTOR : **Yee Fai** Building Contractors Ltd. 怡輝建築有限公司

STRUCTURAL ENGINEER : **ARUP**

FAÇADE CONSULTANT: **ALPHA CONSULTING LIMITED** (Steel Structure & Façade Specialist)

NOTE:
1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:
X1 DETAIL MARK NO.
X001 REFER SHEET NO.

1. F.F.L.--FINISHED FLOOR LEVEL
2. S.F.L.--STRUCTURAL FLOOR LEVEL
3. (Z) --REVERSED DETAIL
4. GLASS LEGEND
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
EGL-2--10mm THK. CLEAR TEMPERED GLASS
EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS

PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23 AREA 33, TIN SHUI WAI, N.T.

TITLE : TYPICAL DETAILS FOR IN-SITU WINDOW

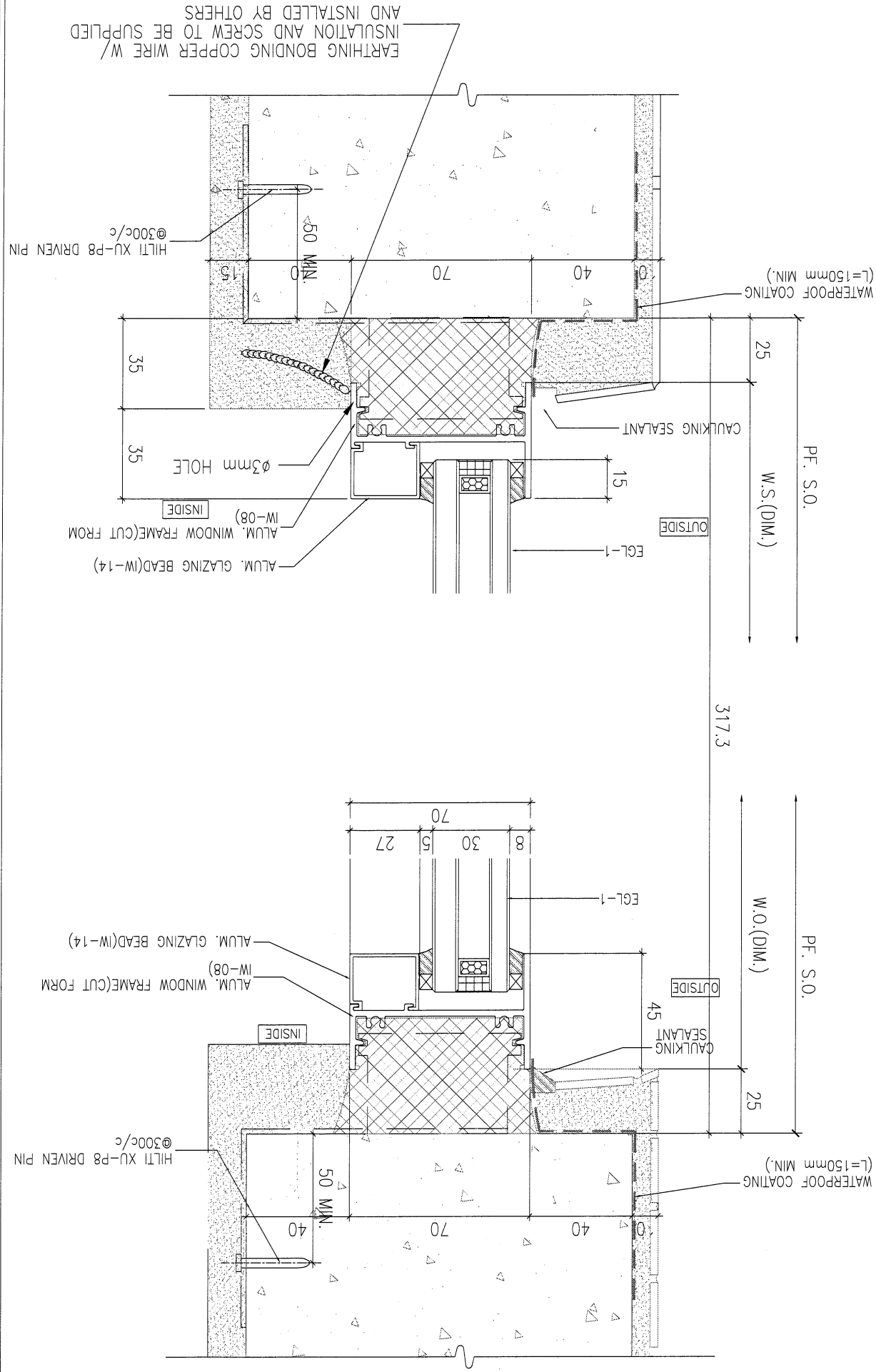
DATE : 02-Aug-21
SCALE : 1:40
DRAWN BY : Ivan
CHECKED BY :

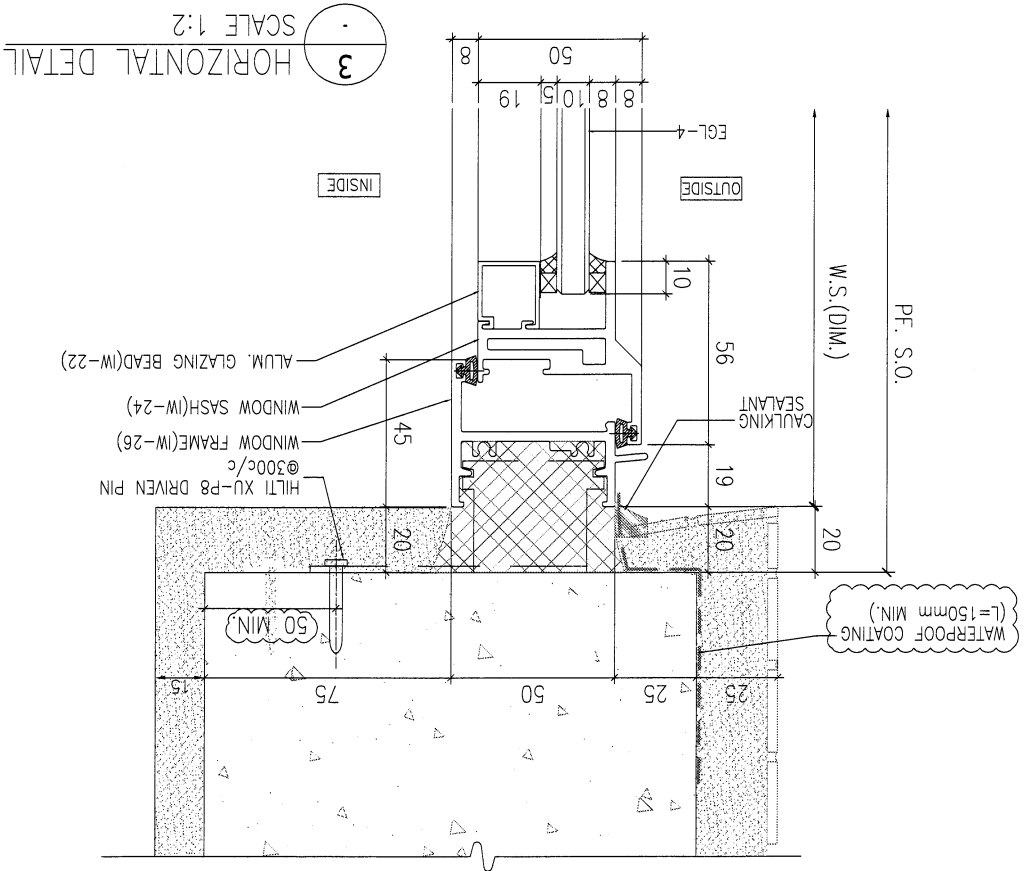
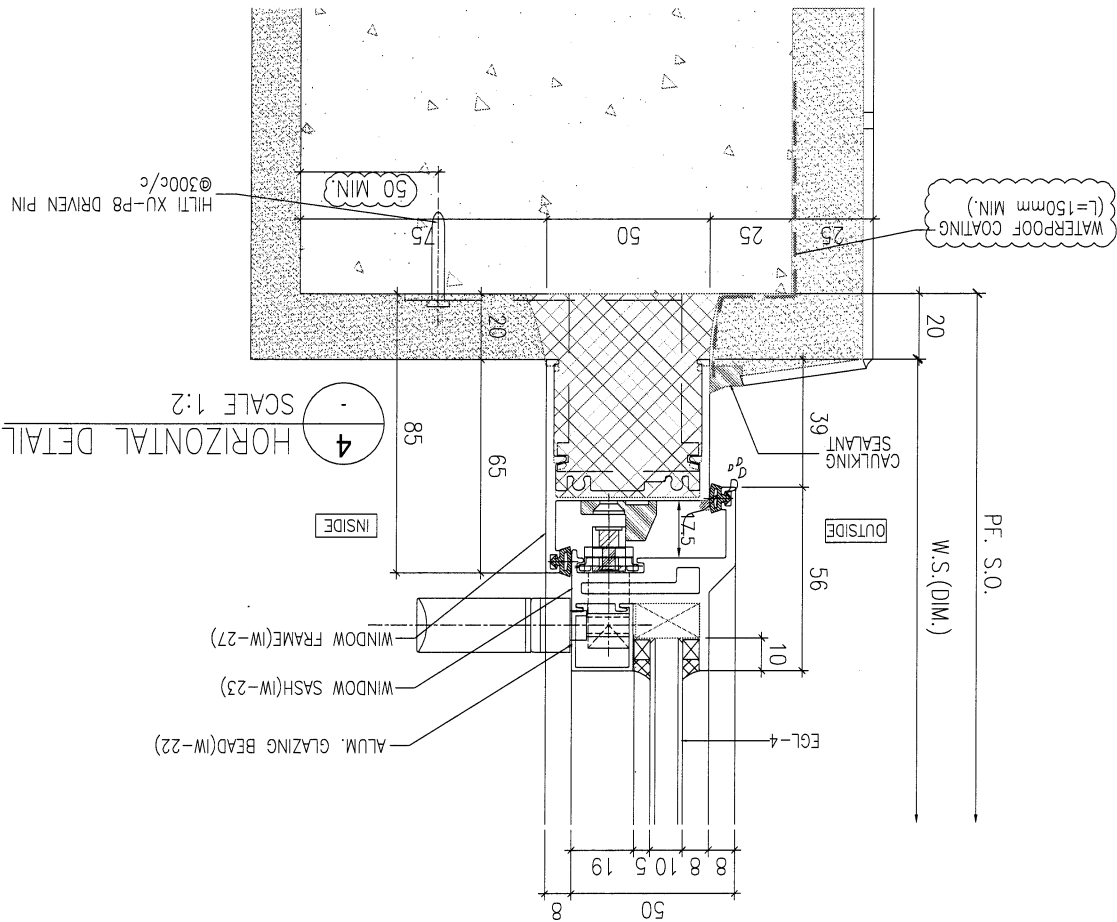
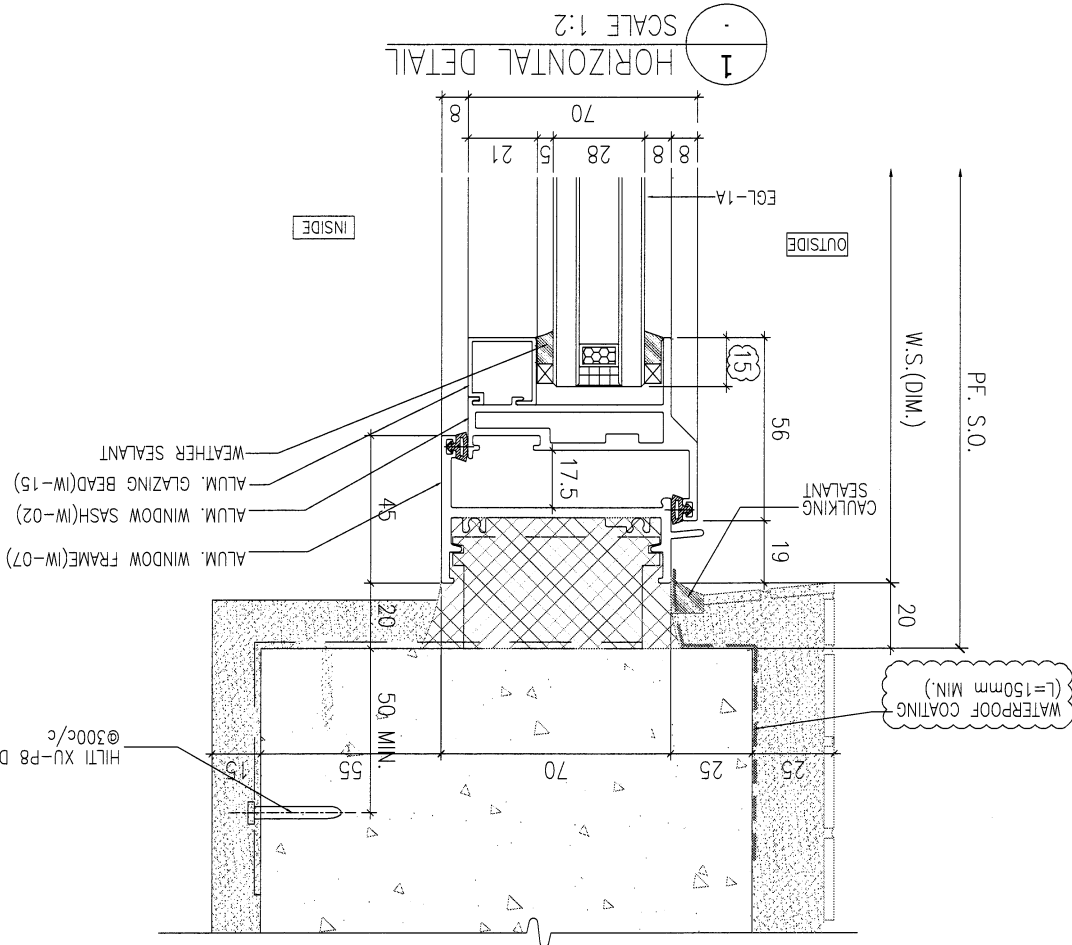
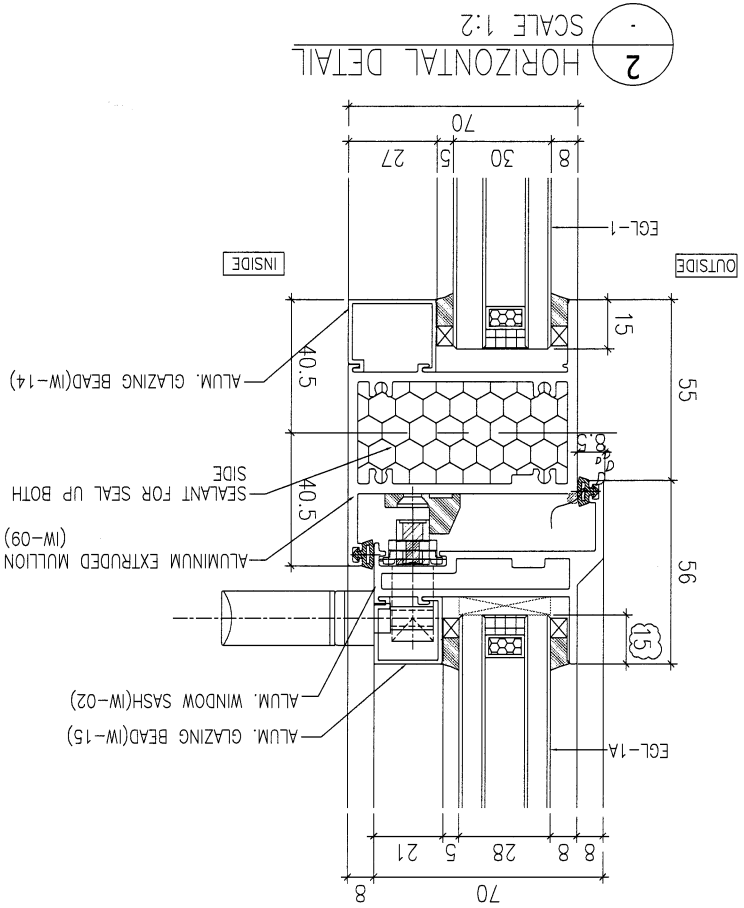
JOB NO. : J-856

REVISION SUBJECT TO ARCH COMMENT
C 28/07/2022
B 24/11/2021
A 10/11/2021

DWG NO. : J856-SD-IW-7006
REV. : C
Units 6-8, Sunray Industrial Centre, 1/F
610 Cho Kwo Ling Road, Kowloon
Tel: 23489211-4 Fax: (852) 27272666

MIDI ALUMINIUM FABRICATOR LTD.
美特鋁質有限公司





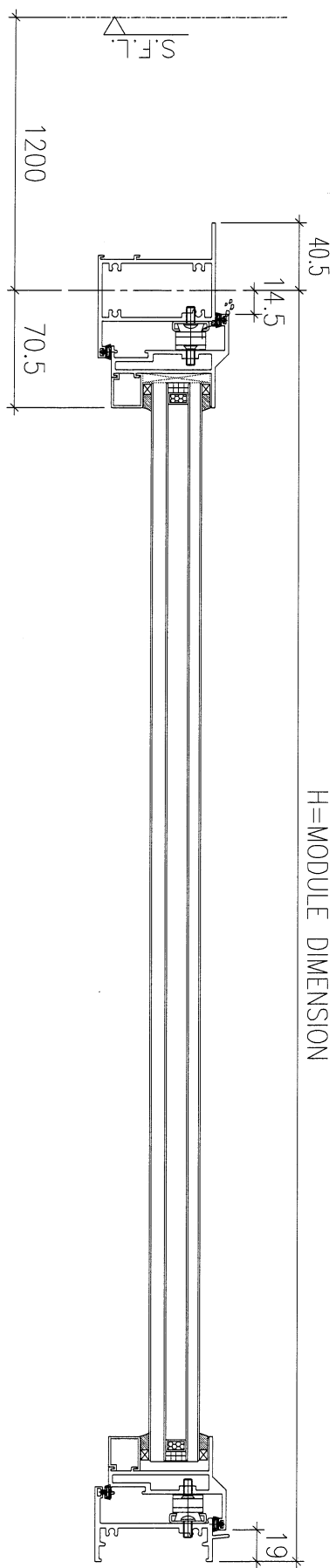
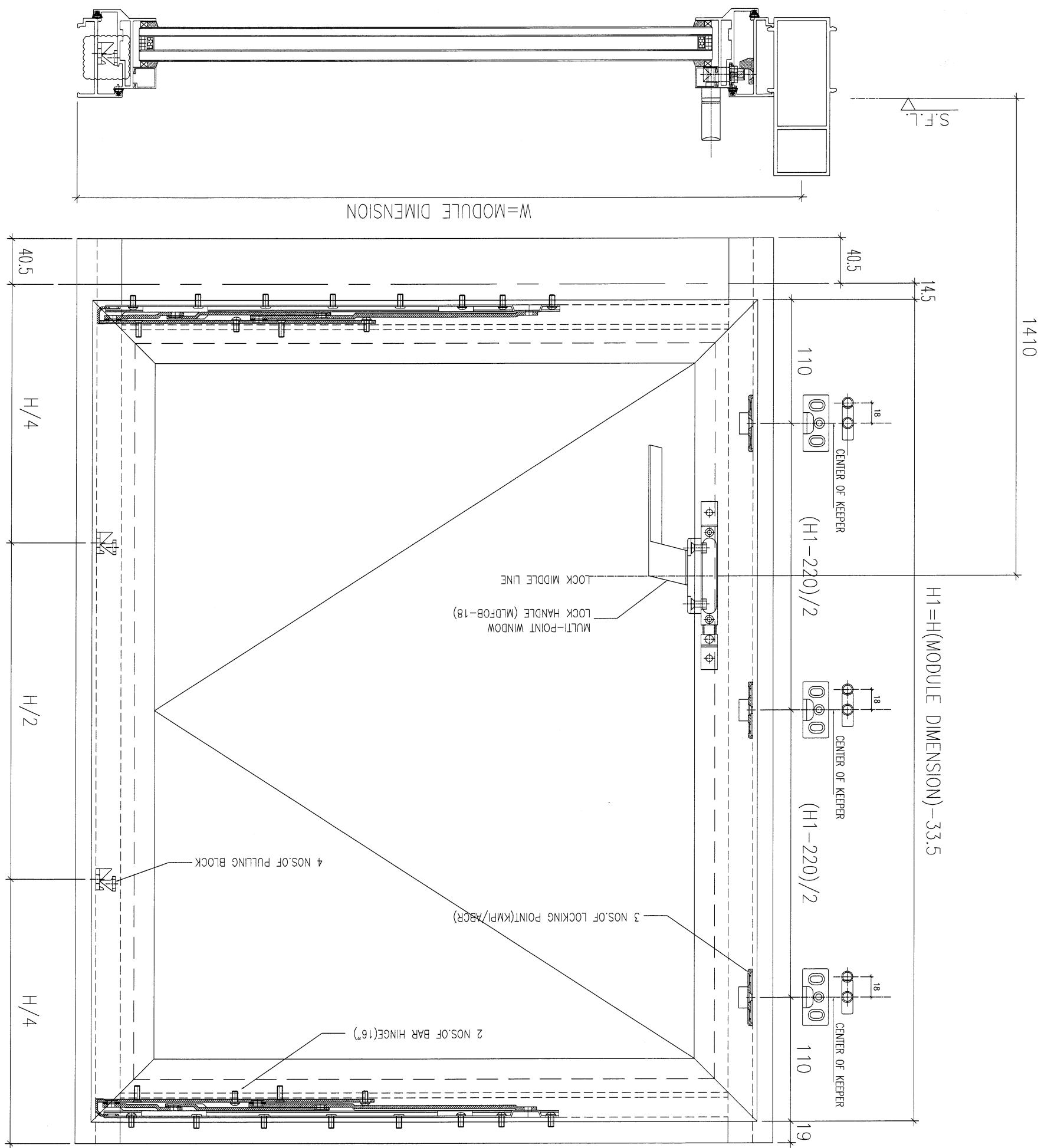
2 HORIZONTAL DETAIL
SCALE 1:2

1 HORIZONTAL DETAIL
SCALE 1:2

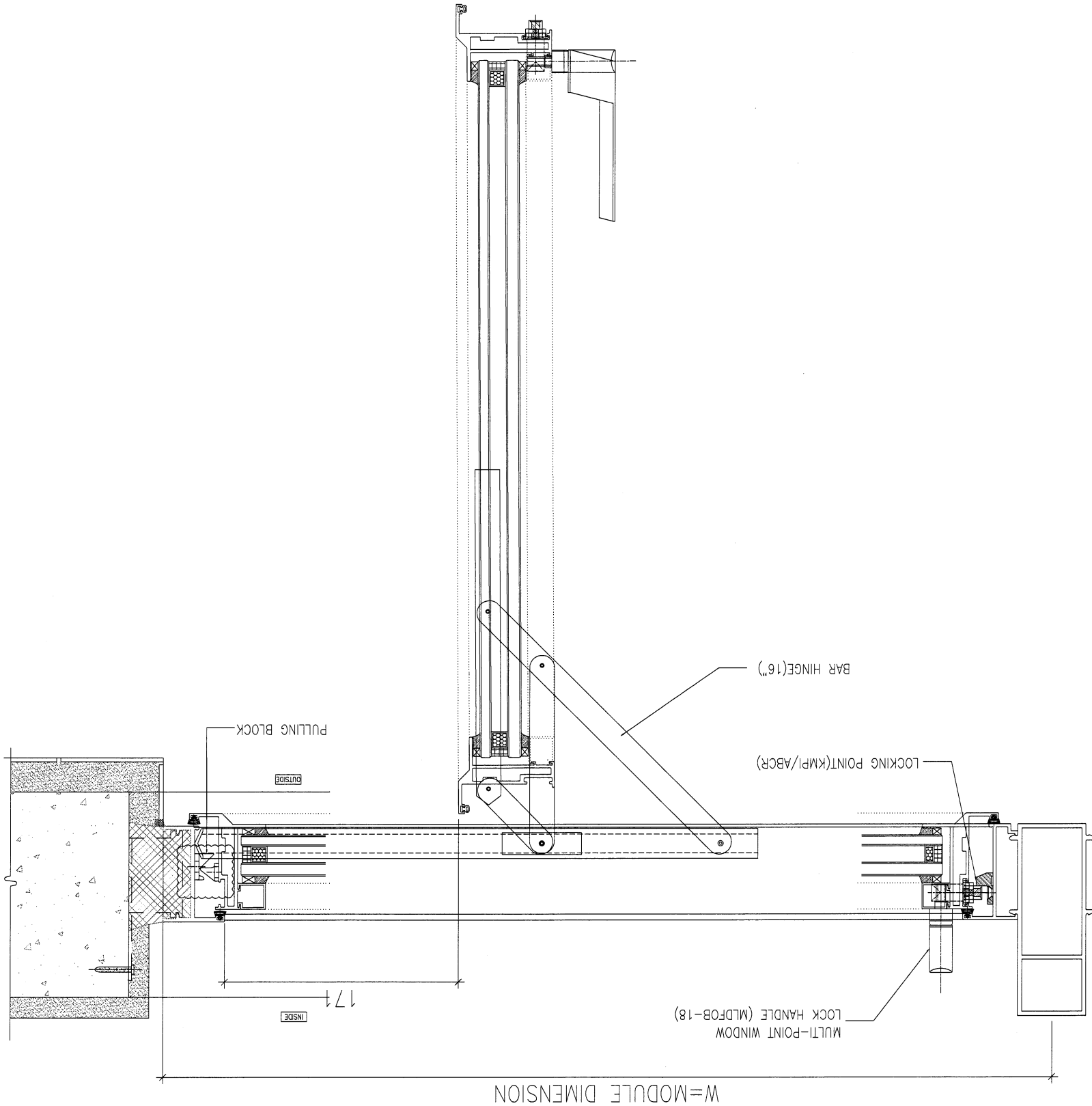
4 HORIZONTAL DETAIL
SCALE 1:2

3 HORIZONTAL DETAIL
SCALE 1:2

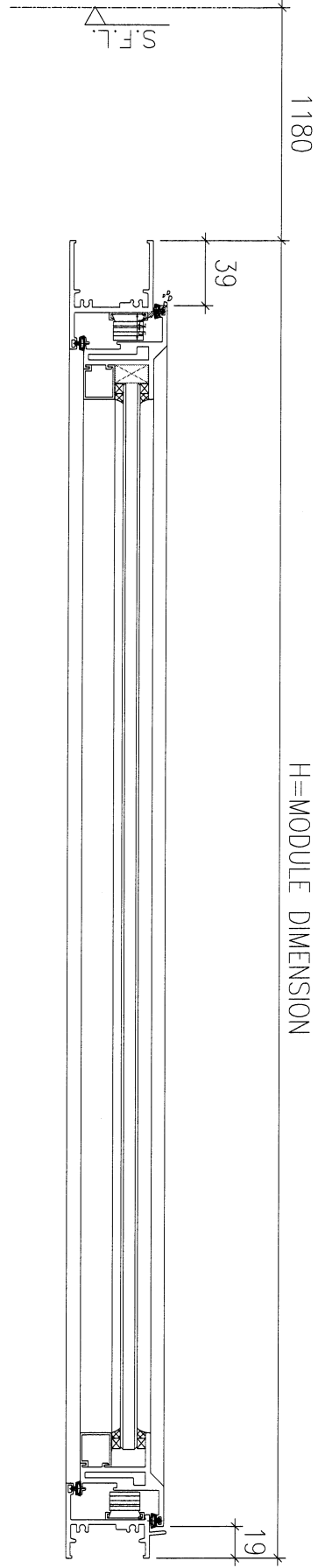
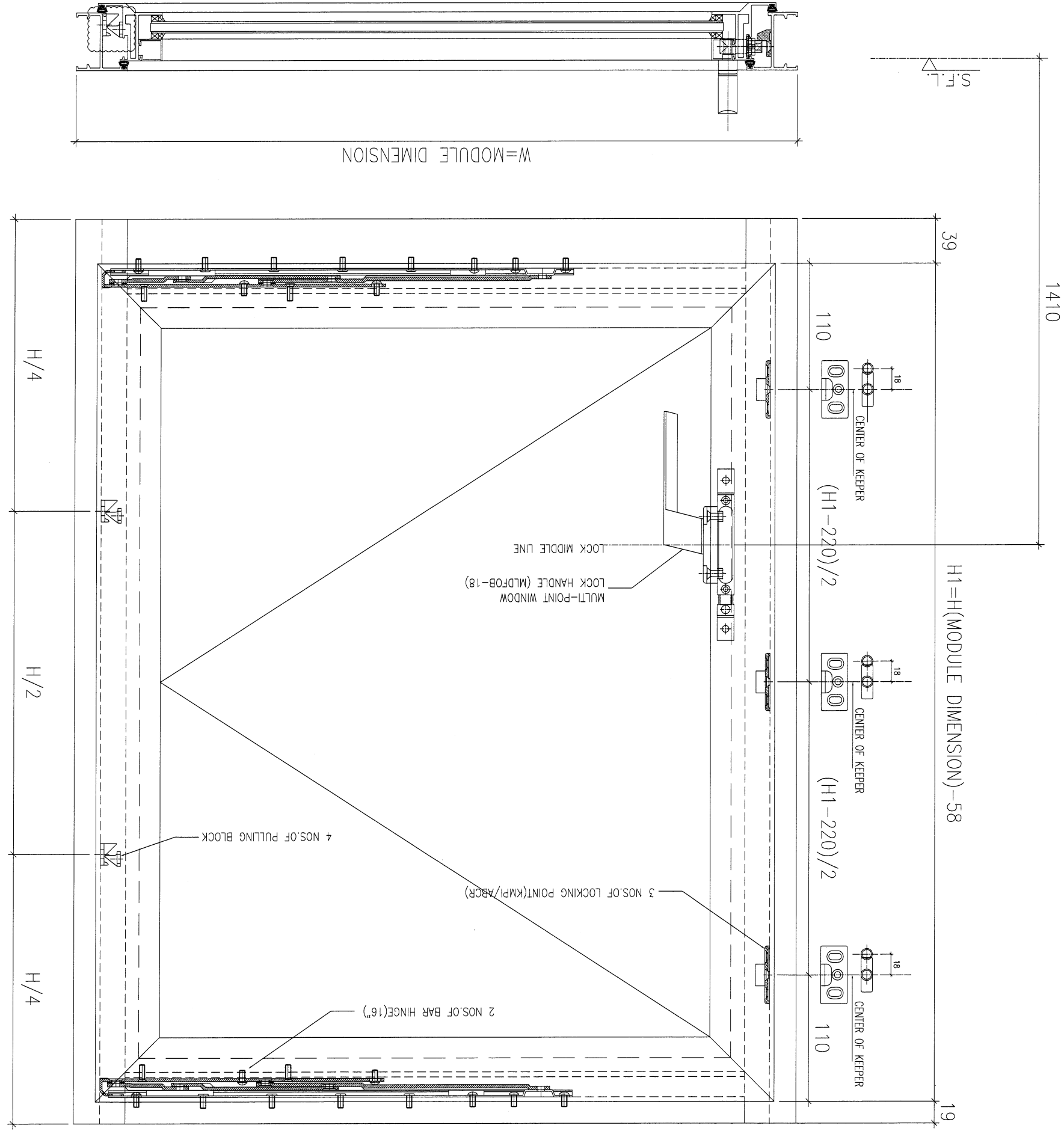
DWG NO.: J856-SD-IW-7008		REV.: D
Units 6-8, Sunray Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666 MIDI ALUMINIUM FABRICATOR LTD. 美特鋁質有限公司		
DRAWN BY: IYON		CHECKED BY:
DATE: 02-Aug-21		SCALE: 1:40
TITLE: TYPICAL DETAILS FOR IN-SITU WINDOW		
PROJECT: PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWLT NO.23, AREA 33, TIN SHUI WAI, N.T.		
JOB NO.: J-856		
NO.	DATE	REVISION
A	10/11/2021	REVISION SUBJECT TO ARCH. COMMENT
B	24/11/2021	REVISION SUBJECT TO ARCH. COMMENT
C	22/06/2022	REVISION SUBJECT TO ARCH. COMMENT
D	28/07/2022	REVISION SUBJECT TO ALPHA COMMENT
1. F.F.L. -- FINISHED FLOOR LEVEL 2. S.F.L. -- STRUCTURAL FLOOR LEVEL 3. -- REVERSED DETAIL 4. GLASS LEGEND EGL-1A -- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-1A -- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS		
NOTE: 1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION. LEGEND: (X1) -- DETAIL MARK NO. (X001) -- REFER SHEET NO.		
FACADE CONSULTANT: ARUP STRUCTURAL ENGINEER: Yee Fai Building Contractors Ltd. MAIN CONTRACTOR: lw&partners architects ARCHITECT: SUN HUNG KAI REAL ESTATE AGENCY LTD. CLIENT:		
B.D. REF:		



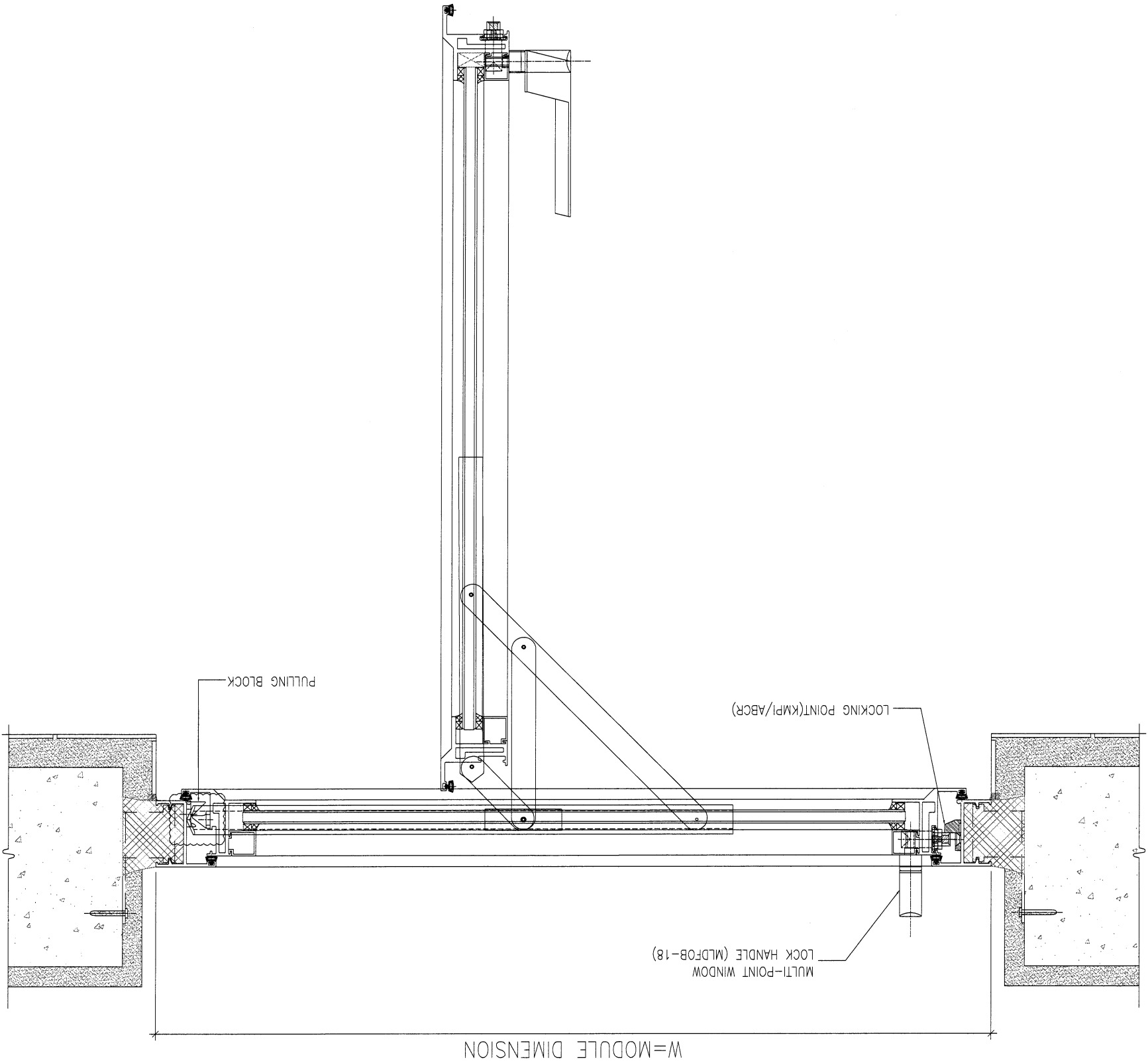
B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
Iw&partners a r c h i t e c t s	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. BEFORE FABRICATION,	
LEGEND:	
X1 DETAIL MARK NO.	
X001 REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEGEND	
EOL-1-11-BmmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EOL-1A-1-BmmHS+12mm AIR GAP+BmmTP THK. I.G.U.	
EOL-2-2-10mm THK. CLEAR TEMPERED GLASS	
EOL-4-4-10mm THK. TEMPERED ACID ETCHED GLASS	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE	
LIGHT RAIL TIN WING STOP,TSWTL	
NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
IN-SITU. WINDOW SECTION	
TYPICAL LOCK & HINGES DETAIL	
DATE : 02-Aug-21	
SCALE : 1:60	
DRAWN BY : Ivon	
CHECKED BY :	
Units 6-8, Sunway Industrial Centre, 1/F 610 Cho Kwo Ling Road, Kowloon Tel:23499211-4 Fax:(852)27727666	
MIDI ALUMINIUM FABRICATOR LTD.	
美特鋁寶有限公司	
REV. : B	
DWG NO. : J856-SD-IW-7009	



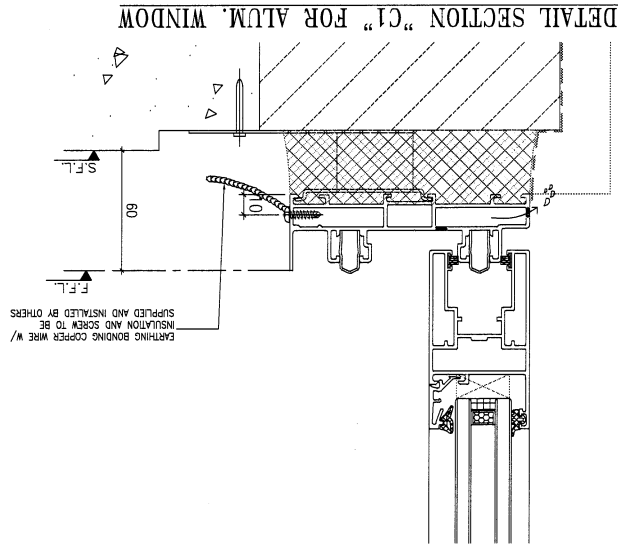
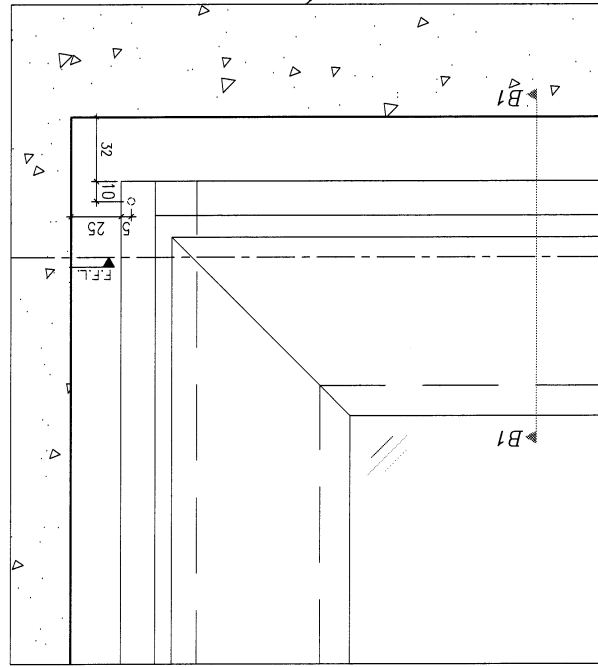
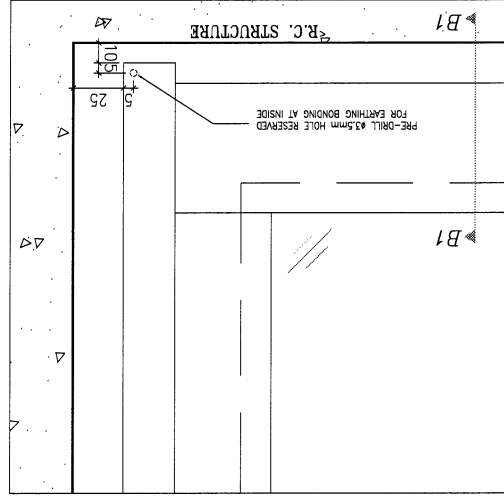
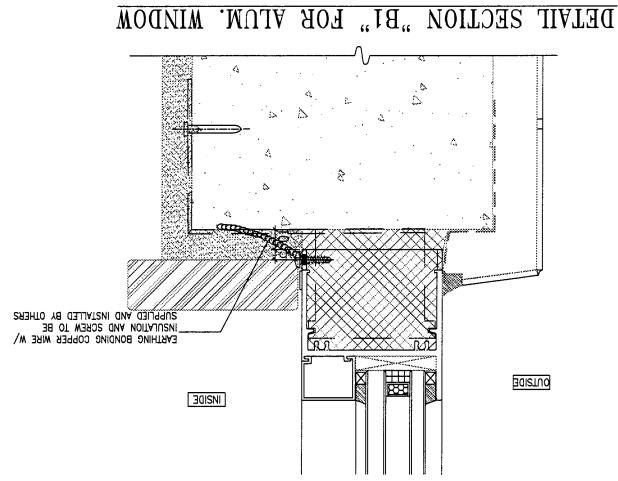
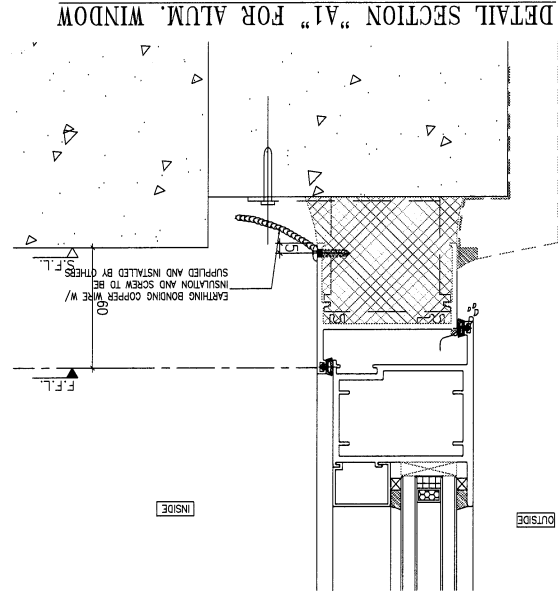
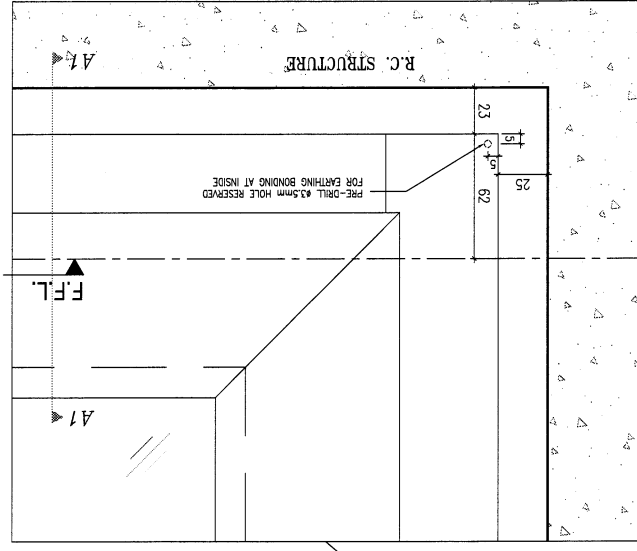
CLIENT :		SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG		ARCHITECT :		IWK&partners a r c h i t e c t s		MAIN CONTRACTOR :		怡輝建築有限公司 Yee Fai Building Contractors Ltd.		STRUCTURAL ENGINEER :		ARUP		FACADE CONSULTANT:		ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist		NOTE:		1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.		LEGEND:		X1 DETAIL MARK NO. X001 REFER SHEET NO. 1. F.F.L.--FINISHED FLOOR LEVEL 2. S.F.L.--STRUCTURAL FLOOR LEVEL 3. (R) ---REVERSED DETAIL 4. GLASS LEGEND EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. EGL-2--10mm THK. CLEAR TEMPERED GLASS EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
JOB NO. :		J-856		PROJECT :		PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.		TITLE :		TYPICAL DETAILS FOR IN-SITU WINDOW		DATE : 02-Aug-21		SCALE : 1:60		DRAWN BY : Ivan		CHECKED BY :		MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666		DWG NO. :		J856-SD-IW-7010		REV. : B	



B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, MANCHEL, HONGKONG	
ARCHITECT :	
Iw&partners architects	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡輝建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
1001 DETAIL MARK NO. REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3.  -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1 -- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-1A -- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS	
EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS	
LEGEND:	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3.  -- REVERSED DETAIL	
4. GLASS LEGEND	
EGL-1 -- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.	
EGL-1A -- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.	
EGL-2 -- 10mm THK. CLEAR TEMPERED GLASS	
EGL-4 -- 10mm THK. TEMPERED ACID ETCHED GLASS	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE	
LIGHT RAIL TUNN WING STOP, TSWTL	
NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE :	
IN-SITU. WINDOW SECTION	
TYPICAL LOCK & HINGES DETAIL	
DATE : 02-Aug-21	
SCALE : 1:60	
DRAWN BY : Ivan	
CHECKED BY :	
Units 6-8, Sunray Industrial Centre, 1/F	
610 Cho Kwo Ling Road, Kowloon	
Tel: 23489211-4 Fax: (852) 27727666	
DWG NO. : J856-SD-W-7011	
REV. : B	



B.D. REF :	
CLIENT :	
SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG	
ARCHITECT :	
IWK&partners architects	
MAIN CONTRACTOR :	
Yee Fai Building Contractors Ltd. 怡耀建築有限公司	
STRUCTURAL ENGINEER :	
ARUP	
FACADE CONSULTANT:	
α ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist	
NOTE:	
1. ALL DIMENSIONS ARE IN mm. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 ——— DETAIL MARK NO. X001 ——— REFER SHEET NO.	
1. F.F.L.--FINISHED FLOOR LEVEL 2. S.F.L.--STRUCTURAL FLOOR LEVEL 3. Ⓢ -- REVERSED DETAIL 4. GLASS LEGEND	
EGL-1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. EGL-1A--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. EGL-2--10mm THK. CLEAR TEMPERED GLASS EGL-4--10mm THK. TEMPERED ACID ETCHED GLASS	
JOB NO. : J-856	
PROJECT :	
PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP,TSWTL NO.23,AREA 33,TIN SHUI WAI, N.T.	
TITLE :	
TYPICAL DETAILS FOR IN-SITU WINDOW	
DATE : 02-Aug-21 SCALE : 1:60	
DRAWN BY : Ivon CHECKED BY :	
MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)2727666	
DWG NO. : J856-SD-IW-7012 REV. : B	



A	NO.	10/11/2021	REVISION SUBJECT TO ARCH COMMENT	REVISED	BY
B	NO.	13/01/2022	REVISION SUBJECT TO ARCH COMMENT		BY

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

LEGEND:

(X1)	DETAIL MARK NO.
(X1)	REFER SHEET NO.
1.	F.F.L. -- FINISHED FLOOR LEVEL
2.	S.F.L. -- STRUCTURAL FLOOR LEVEL
3.	(R) -- REVERSED DETAIL
4.	GLASS LEGEND

ECG-1A	-- 12mm BmHnH+12mm AIR GAP+8mmTP THK. (G.U.)
ECG-1B	-- 8mmHnH+12mm AIR GAP+10mmTP THK. (G.U.)
ECG-2	-- 10mm THK. CLEAR TEMPERED GLASS
ECG-3	-- 10mm THK. TEMPERED ACID ETCHED GLASS


ALPHA CONSULTING LIMITED
 Steel Structure & Facade Specialist

STRUCTURAL ENGINEER :

ARUP

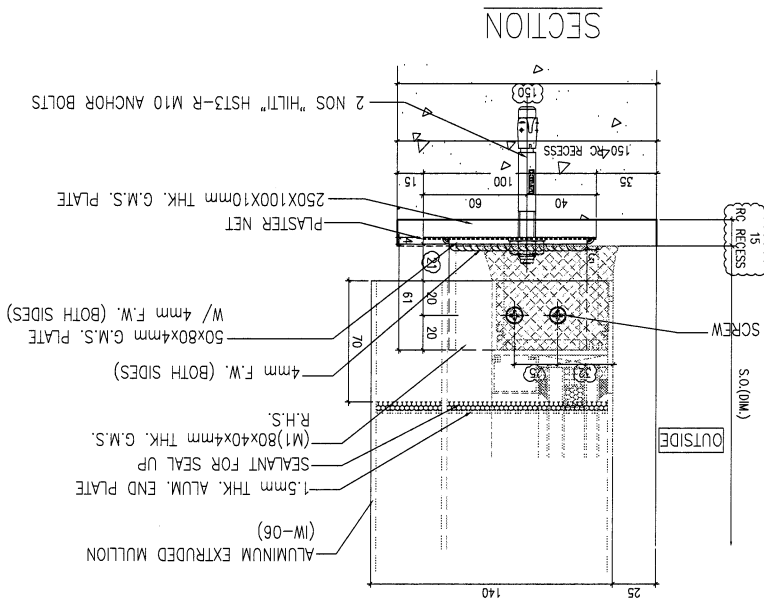
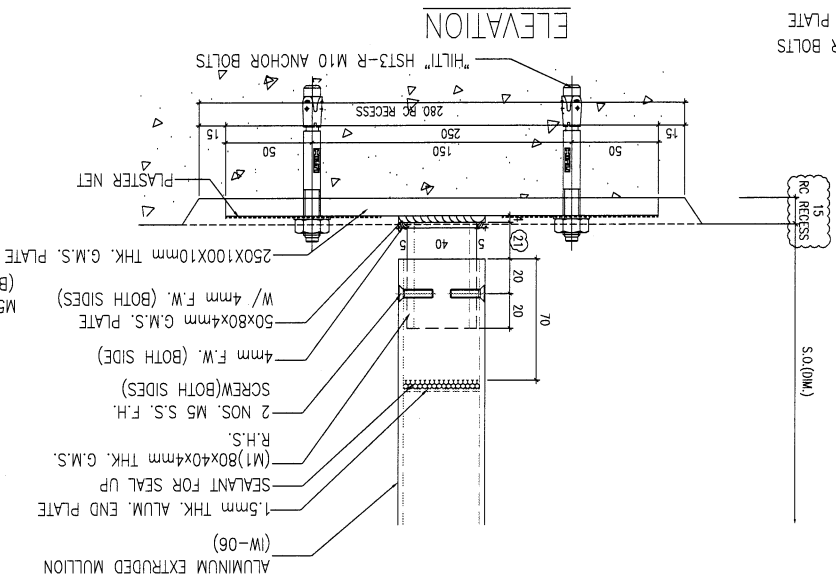
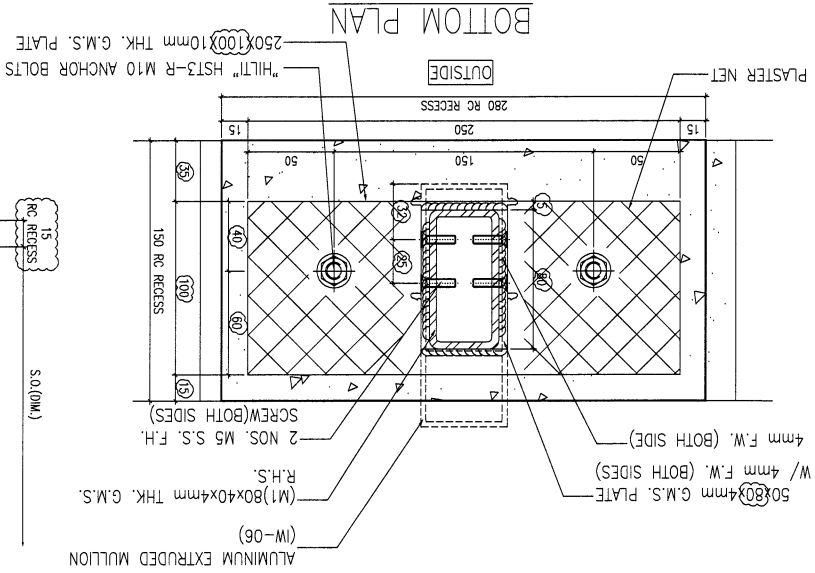
MAIN CONTRACTOR : 怡輝建築有限公司
Yee Fai Building Contractors Ltd.

ARCHITECT : **iwk&partners**
a r c h i t e c t s

CLIENT : **SUN HUNG KAI**
REAL ESTATE AGENCY LTD.
 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG

B.D. REF :

BB1



CLIENT :

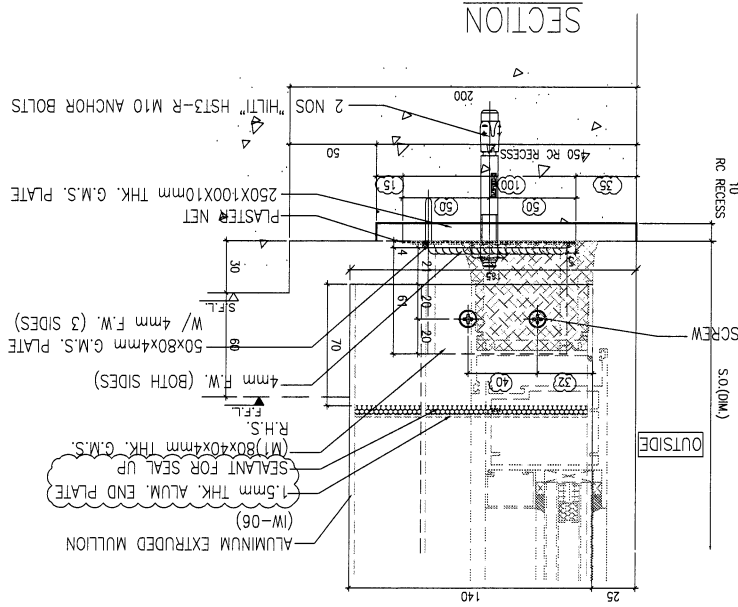
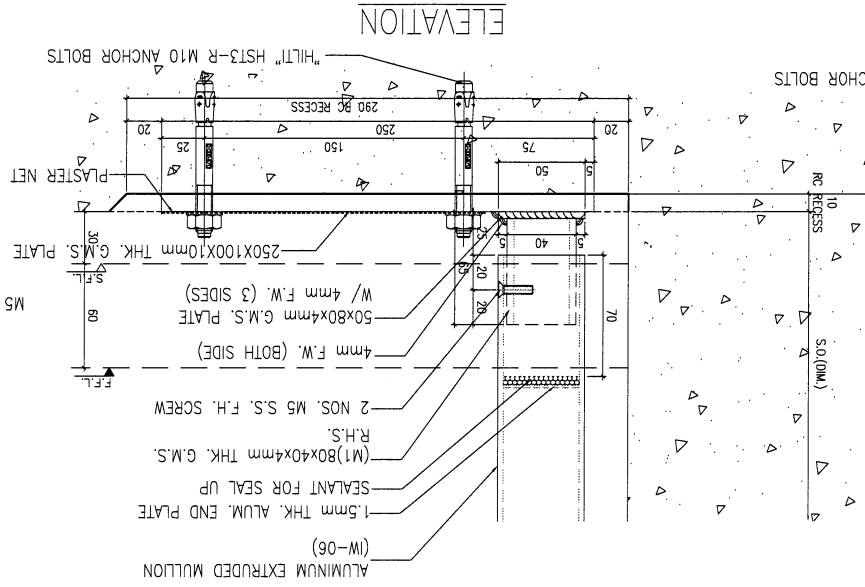
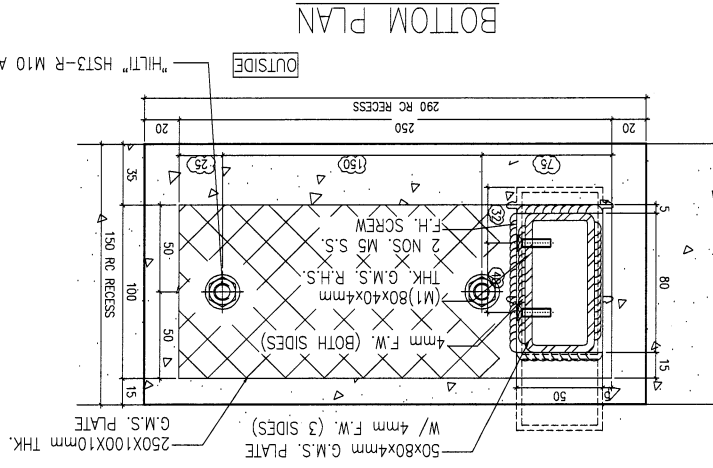
iwk&partners
a r c h i t e c t s

ARUP

NOTE:

1. ALL DIMENSIONS ARE IN mm.
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.

 DETAIL MARK NO.		 REFER SHEET NO.		1. F.L. -- FINISHED FLOOR LEVEL 2. S.F.L. -- STRUCTURAL FLOOR LEVEL 3. (R) -- REVERSED DETAIL 4. GLASS LEGEND		GL-1--8mmHS+12mm AIR GAP+10mmTP THK, I.G.U. GL-2--8mmHS+12mm AIR GAP+8mmTP THK, I.G.U. GL-4--10mm THK, CLEAR TEMPERED GLASS GL-4--10mm THK, TEMPERED ACID ETCHED GLASS	
PROJECT :		PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.		TITLE :		FIXING DETAILS	
DATE : 21-Jun-22		SCALE : 1:60		CHECKED BY :		 美特鋁質有限公司 ALUMINIUM FABRICATOR LTD.	
DRAWN BY : Ivan		CHECKED BY :		REV : B		WING NO. : J856-SD-IW-FD01 DATE : 23/4/2022 FAX : (852) 77277666 10 Cha Kwo Ling Road, Kowloon Units 6-8, Sunray Industrial Centre, 1/F	



NOTE:	
1. ALL DIMENSIONS ARE IN mm.	
2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE.	
3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.	
LEGEND:	
X1 DETAIL MARK NO.	
1001 REFER SHEET NO.	
1. F.F.L. -- FINISHED FLOOR LEVEL	
2. S.F.L. -- STRUCTURAL FLOOR LEVEL	
3. (R) -- REVERSED DETAIL	
4. GLASS LEADEND	
EGL-1-1--BmmHs+12mm AIR GAP+10mmTP THK. 1.6.U.	
EGL-1A--BmmHs+12mm AIR GAP+BmmTP THK. 1.6.U.	
EGL-2-2--10mm THK. CLEAR TEMPERED GLASS	
EGL-4-4--10mm THK. TEMPERED ACID ETCHED GLASS	
NO.	DATE
8	28/07/2022
REVISION SUBJECT TO ALPHA COMMENT/REVISION	
BY	REMOVED
JOB NO. : J-856	
PROJECT : PROPOSED DEVELOPMENT ABOVE LIGHT RAIL TIN WING STOP, TSWTL NO.23, AREA 33, TIN SHUI WAI, N.T.	
TITLE : FIXING DETAILS OF IN-SITU	
DATE : 21-Jun-22	
SCALE : 1:60	
DRAWN BY : Ivan	
CHECKED BY :	
	
Mei Tin Aluminium Fabricator Ltd.	
Units 6-8, Sunray Industrial Centre, 1/F	
610 Cho Kwo Ling Road, KwaiLoon	
Tel: 23489211-4 Fax: (852) 27727666	
DWG NO. : J856-SD-IW-FD02	
REV. : B	

CLIENT :	 SUN HUNG KAI REAL ESTATE AGENCY LTD.
ARCHITECT :	42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG twk&partners a r c h i t e c t s
MAIN CONTRACTOR :	 Yee Fai Building Contractors Ltd. 怡輝建築有限公司
STRUCTURAL ENGINEER :	ARUP
FAÇADE CONSULTANT:	 ALPHA CONSULTING LIMITED Steel Structure & Façade Specialist

B.D. REF :

TOP PLAN

OUTSIDE

125 RC RECESS

280 RC RECESS

ALUMINUM EXTRUDED MULLION (IW-28)

(W2)60x40x4mm THK. G.M.S. R.H.S.

4mm F.W. (BOTH SIDES)

50x60x4mm G.M.S. PLATE W/ 4mm F.W. (BOTH SIDES)

50X100X10mm THK. G.M.S. "HILLT" HST3-R M10 ANCHOR

[illegible]

Technical drawing of a window frame assembly, showing a cross-section and elevation view.

Labels:

- ALUMINUM EXTRUDED MULLION
- 1.5mm THK. ALUM. END PLATE
- SEALANT FOR SEAL UP
- R.H.S.
- (M2)60x40x4mm THK. G.M.S.
- 4mm F.W. (BOTH SIDES)
- W/ 4mm F.W. (BOTH SIDES)
- 50x60x4mm G.M.S. PLATE
- PLASTER NET
- 250X100X10mm THK. G.M.S. PLATE
- "HILT" HST-R M10 ANCHOR BOLTS

Dimensions:

- 70
- 40
- 4
- 100
- 150
- 250
- 280 RC RECESS
- 15
- 50
- 15
- 250
- 280 RC RECESS
- 15
- 50
- 15
- 250
- 280 RC RECESS

Other Labels:

- PF. S.O.
- RC RECESS

Technical drawing of a window sill cross-section. The drawing shows a concrete slab with a window opening. The sill is constructed with a 50x60x4mm G.M.S. plate, a 4mm F.W. (both sides), and a 250x100x10mm THK. G.M.S. plate. The sill is supported by a 250x100x10mm THK. G.M.S. plate. The drawing includes dimensions for the sill, the window opening, and the concrete slab. The sill is 40mm wide and 40mm high. The window opening is 70mm wide and 70mm high. The concrete slab is 250mm wide and 100mm high. The drawing also shows the installation of a window frame and the application of sealant.

Labels and dimensions:

- 2 NOS "HILTI" HST-R M10 ANCHOR BOLTS
- 250x100x10mm THK. G.M.S. PLATE
- PLASTER NET
- 50x60x4mm G.M.S. PLATE
- W/ 4mm F.W. (BOTH SIDES)
- 4mm F.W. (BOTH SIDES)
- 70
- 40
- 40
- 15
- 100
- 130 RC RECESS
- 25
- 250
- 70
- 40
- ALUMINUM EXTRUDED MULLION (IW-28)
- 1.5mm THK. ALUM. END PLATE
- SEALANT FOR SEAL UP
- R.H.S.
- (M2)60x40x4mm THK. G.M.S.

2 NOS "HILT" HST-R M10 ANCHOR BOLTS

250x100x10mm THK. G.M.S. PLATE

PLASTER NET

W/ 4mm F.W. (BOTH SIDES)

50x60x4mm G.M.S. PLATE

4mm F.W. (BOTH SIDES)

R.H.S.

(M2) 60x40x4mm THK. G.M.S.

SEALANT FOR SEAL UP

1.5mm THK. ALUM. END PLATE

ALUMINUM EXTRUDED MULLION (1W-28)

155 RC RECESS

15

RC RECESS

MS S.S. F.H. SCREW (BOTH SIDES)

OUTSIDE

S.O. (mm.)

70

70

25

25

20

20

40

60

100

15

250

STRUCTURAL ENGINEER :