



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

工程指示編號:	EI- 6657/23	修改版本:	-
	HK- 1860/23		
工程編號:	J 860	工程名稱:	馬灣
收件人:	生統/林哥	發件人:	Jimmy wong
工程項目:	鋁窗型材樣板	日期:	18/08/2023

<input checked="" type="checkbox"/> 原合約工程包	<input type="checkbox"/> 原合約工程加 / 減脹 QT-	<input type="checkbox"/> 新工程報價 QT-
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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:

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

內容: 請提供30mm長 鋁材料頭 (J859 料), 每款2套供J860做樣板. 型號如附件 共2頁 .

寄到香港寫字樓1/F. 謝

完成上列要求日期: 25/08/2023

國內

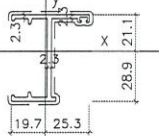
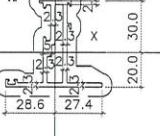
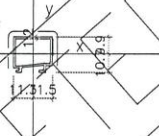
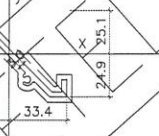
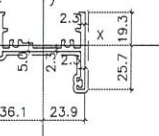
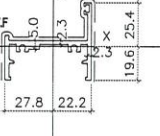
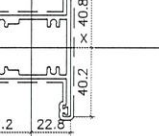
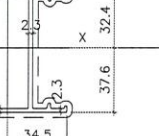
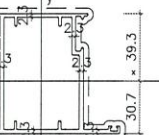
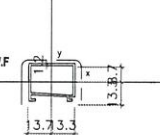
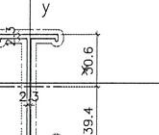
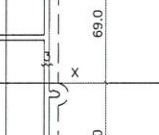
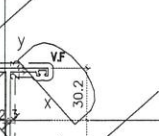

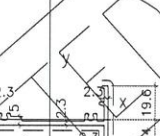
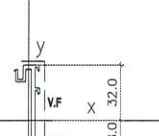
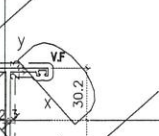
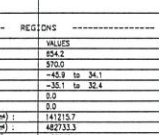
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<input type="checkbox"/> 採購部	<input type="checkbox"/> 連附件	<input checked="" type="checkbox"/> 生產統籌部	<input checked="" type="checkbox"/> 連附件	<input type="checkbox"/> 報關組	<input type="checkbox"/> 連附件
<input type="checkbox"/> 質檢部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 會計部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 機械設計部	<input type="checkbox"/> 連附件
<input type="checkbox"/> 其他:					

香港

<input type="checkbox"/> 行政部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 會計部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 統籌部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 工程部	<input type="checkbox"/> 連附件
<input type="checkbox"/> 採購部	<input type="checkbox"/> 連附件	<input type="checkbox"/> QS部	<input type="checkbox"/> 連附件	<input type="checkbox"/> 地盤管理	<input type="checkbox"/> 連附件	<input type="checkbox"/> 維修部	<input type="checkbox"/> 連附件

*發件人簽署:	*組別成員批核簽署:
傳遞編號:	項目經理簽署:

J85 9樓

PROPERTIES	PROPERTIES	PROPERTIES	PROPERTIES	B.D. REF :																																																																																																																																																																											
<p>MEMBER: IW-17 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86385</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>285.31</td></tr> <tr><td>Perimeter (mm)</td><td>622.97</td></tr> <tr><td>Bounding Box - X (mm)</td><td>-18.72 to 20.38</td></tr> <tr><td>Bounding Box - Y (mm)</td><td>-28.89 to 21.11</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>114218.61</td></tr> <tr><td>Moment of inertia - Y (mm⁴)</td><td>88253.53</td></tr> <tr><td>Product of inertia - XY (mm⁴)</td><td>17220.71</td></tr> <tr><td>Radius of gyration - X (mm)</td><td>20.00</td></tr> <tr><td>Radius of gyration - Y (mm)</td><td>19.84</td></tr> <tr><td>Principal moment along X-Y (mm⁴)</td><td>152621.21 along (5.77 - 84)</td></tr> <tr><td>Principal moment along Y-X (mm⁴)</td><td>117899.72 along (-34 0.77)</td></tr> <tr><td>Elastic Modulus - 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SUN HUNG KAI CENTRE, WANCHAI, HONGKONG TEL: 28278111 FAX: 28272884</p> <p>FACADE CONSULTANT: ALPHA CONSULTING LIMITED Steel Structure & Facade Specialist</p> <p>MAIN CONTRACTOR : Sanfield Engineering Construction Ltd.</p> <p>CLIENT : SUN HUNG KAI REAL ESTATE AGENCY LTD. 42/F SUN HUNG KAI CENTRE, WANCHAI, HONGKONG</p>																																			
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Area (mm ²)	424.4																																																																																																																																																																														
Perimeter (mm)	1019.0																																																																																																																																																																														
Bounding Box - X (mm)	-22.89 to 20.38																																																																																																																																																																														
Bounding Box - Y (mm)	-24.83 to 20.27																																																																																																																																																																														
Centroid - X (mm)	0.00																																																																																																																																																																														
Centroid - Y (mm)	0.00																																																																																																																																																																														
Moment of inertia - X (mm ⁴)	60238.84																																																																																																																																																																														
Moment of inertia - Y (mm ⁴)	131492.87																																																																																																																																																																														
Product of inertia - XY (mm ⁴)	120270.83																																																																																																																																																																														
Radius of gyration - X (mm)	16.52																																																																																																																																																																														
Radius of gyration - Y (mm)	18.84																																																																																																																																																																														
Principal moment along X-Y (mm ⁴)	214512 along (5.77 - 84)																																																																																																																																																																														
Principal moment along Y-X (mm ⁴)	118587.48 along (34 0.77)																																																																																																																																																																														
Elastic Modulus - X (mm ²)	1.7 / y-max= 2048.9																																																																																																																																																																														
Elastic Modulus - Y (mm ²)	1.7 / x-max= 3941.11																																																																																																																																																																														
<p>MEMBER: IW-18 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86386</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>368.9</td></tr> <tr><td>Perimeter (mm)</td><td>218.8</td></tr> <tr><td>Bounding Box - X (mm)</td><td>-34.1 to 23.8</td></tr> <tr><td>Bounding Box - Y (mm)</td><td>-19.8 to 19.3</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>28121.5</td></tr> <tr><td>Moment of inertia - Y (mm⁴)</td><td>14519.8</td></tr> <tr><td>Product of inertia - XY (mm⁴)</td><td>-2073.2</td></tr> <tr><td>Radius of gyration - X (mm)</td><td>16.9</td></tr> <tr><td>Radius of gyration - Y (mm)</td><td>13.4</td></tr> <tr><td>Principal moment along X-Y (mm⁴)</td><td>28517.9 along (1.0 - 82)</td></tr> <tr><td>Principal moment along Y-X (mm⁴)</td><td>14828.9 along (1.0 1.0)</td></tr> <tr><td>Elastic Modulus - X (mm²)</td><td>1.7 / y-max= 1331.1</td></tr> <tr><td>Elastic Modulus - Y (mm²)</td><td>1.7 / x-max= 4041.8</td></tr> </tbody> </table>	REGIONS		MASS PROPERTIES (UNIT)	VALUES	Area (mm ²)	368.9	Perimeter (mm)	218.8	Bounding Box - X (mm)	-34.1 to 23.8	Bounding Box - Y (mm)	-19.8 to 19.3	Centroid - X (mm)	0.0	Centroid - Y (mm)	0.0	Moment of inertia - X (mm ⁴)	28121.5	Moment of inertia - Y (mm ⁴)	14519.8	Product of inertia - XY (mm ⁴)	-2073.2	Radius of gyration - X (mm)	16.9	Radius of gyration - Y (mm)	13.4	Principal moment along X-Y (mm ⁴)	28517.9 along (1.0 - 82)	Principal moment along Y-X (mm ⁴)	14828.9 along (1.0 1.0)	Elastic Modulus - X (mm ²)	1.7 / y-max= 1331.1	Elastic Modulus - Y (mm ²)	1.7 / x-max= 4041.8	<p>MEMBER: IW-19 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86387</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>298.8</td></tr> <tr><td>Perimeter (mm)</td><td>298.8</td></tr> <tr><td>Bounding Box - 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Y (mm)	0.0	Moment of inertia - X (mm ⁴)	28898.6	Moment of inertia - Y (mm ⁴)	15288.8	Product of inertia - XY (mm ⁴)	17584.2	Radius of gyration - X (mm)	16.9	Radius of gyration - Y (mm)	13.4	Principal moment along X-Y (mm ⁴)	28478.7 along (1.0 0.3)	Principal moment along Y-X (mm ⁴)	15888.8 along (0.3 1.0)	Elastic Modulus - X (mm ²)	1.7 / y-max= 475.8	Elastic Modulus - Y (mm ²)	1.7 / x-max= 154.8	<p>MEMBER: AW-24 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86204</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>353.3</td></tr> <tr><td>Perimeter (mm)</td><td>353.3</td></tr> <tr><td>Bounding Box - X (mm)</td><td>-37.8 to 22.8</td></tr> <tr><td>Bounding Box - Y (mm)</td><td>-40.0 to 40.0</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>211499.9</td></tr> <tr><td>Moment of inertia - 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X (mm ²)	1.7 / y-max= 5190.0	Elastic Modulus - Y (mm ²)	1.7 / x-max= 6275.3	<p>MEMBER: IW-12 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86383</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>419.8</td></tr> <tr><td>Perimeter (mm)</td><td>344.4</td></tr> <tr><td>Bounding Box - X (mm)</td><td>-43.2 to 34.8</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>462425.05</td></tr> <tr><td>Moment of inertia - Y (mm⁴)</td><td>216215.70</td></tr> <tr><td>Product of inertia - XY (mm⁴)</td><td>48368.18</td></tr> <tr><td>Radius of gyration - X (mm)</td><td>33.41</td></tr> <tr><td>Radius of gyration - Y (mm)</td><td>23.33</td></tr> <tr><td>Principal moment along X-Y (mm⁴)</td><td>474711.18 along (3.68 0.18)</td></tr> <tr><td>Principal moment along Y-X (mm⁴)</td><td>119148.86 along (-1.18 0.89)</td></tr> <tr><td>Elastic Modulus - X (mm²)</td><td>1.7 / y-max= 12400.00</td></tr> <tr><td>Elastic Modulus - Y (mm²)</td><td>1.7 / x-max= 5141.08</td></tr> </tbody> </table>	REGIONS		MASS PROPERTIES (UNIT)	VALUES	Area (mm ²)	419.8	Perimeter (mm)	344.4	Bounding Box - X (mm)	-43.2 to 34.8	Bounding Box - Y (mm)	-37.55 to 32.45	Centroid - X (mm)	0.00	Centroid - Y (mm)	0.00	Moment of inertia - X (mm ⁴)	462425.05	Moment of inertia - Y (mm ⁴)	216215.70	Product of inertia - XY (mm ⁴)	48368.18	Radius of gyration - X (mm)	33.41	Radius of gyration - Y (mm)	23.33	Principal moment along X-Y (mm ⁴)	474711.18 along (3.68 0.18)	Principal moment along Y-X (mm ⁴)	119148.86 along (-1.18 0.89)	Elastic Modulus - X (mm ²)	1.7 / y-max= 12400.00	Elastic Modulus - Y (mm ²)	1.7 / x-max= 5141.08	<p>NOTE : 1. ALL DIMENSIONS ARE IN MM. 2. ALL ELEVATIONS ARE VIEWED FROM OUTSIDE. 3. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE FABRICATION.</p> <p>LEGEND : X1 --- DETAIL MARK NO. X001 --- REFER SHEET NO.</p> <p>1. F.F.L --- FINISHED FLOOR LEVEL 2. S.F.L --- STRUCTURAL FLOOR LEVEL 3. (R) --- REVERSED DETAIL 4. GLASS LEGEND G1 --- 8mmHS+12mm AIR GAP+10mmTP THK. I.G.U. G2 --- 8mmHS+12mm AIR GAP+8mmTP THK. I.G.U. G2g --- 8mmHS+12mm AIR GAP+8mmTP+1.52PVB+6mmTP(PLANNING) FEATURED GLASS (866th) CRYSTAL GREY TP+1.52PVB+6mm CLEAR TP</p>																																			
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<p>MEMBER: IW-13 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86384</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>660.0</td></tr> <tr><td>Perimeter (mm)</td><td>555.9</td></tr> <tr><td>Bounding Box - X (mm)</td><td>-45.3 to 48.1</td></tr> <tr><td>Bounding Box - Y (mm)</td><td>-30.3 to 38.1</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>510644.5</td></tr> <tr><td>Moment of inertia - Y (mm⁴)</td><td>35381.7</td></tr> <tr><td>Product of inertia - XY (mm⁴)</td><td>-10288.3</td></tr> <tr><td>Radius of gyration - X (mm)</td><td>27.7</td></tr> <tr><td>Radius of gyration - Y (mm)</td><td>12.8</td></tr> <tr><td>Principal moment along X-Y (mm⁴)</td><td>511482.2 along (0.1 - 1.0)</td></tr> <tr><td>Principal moment along Y-X (mm⁴)</td><td>311688.9 along (1.0 0.1)</td></tr> <tr><td>Elastic Modulus - 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X (mm)</td><td>-13.3 to 13.7</td></tr> <tr><td>Bounding Box - Y (mm)</td><td>-17.3 to 10.7</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>29718.0</td></tr> <tr><td>Moment of inertia - Y (mm⁴)</td><td>12188.4</td></tr> <tr><td>Product of inertia - XY (mm⁴)</td><td>218.8</td></tr> <tr><td>Radius of gyration - X (mm)</td><td>15.9</td></tr> <tr><td>Radius of gyration - Y (mm)</td><td>10.1</td></tr> <tr><td>Principal moment along X-Y (mm⁴)</td><td>29718.0 along (1.0 0.3)</td></tr> <tr><td>Principal moment along Y-X (mm⁴)</td><td>12388.8 along (0.3 1.0)</td></tr> <tr><td>Elastic Modulus - X (mm²)</td><td>1.7 / y-max= 912.8</td></tr> <tr><td>Elastic Modulus - Y (mm²)</td><td>1.7 / x-max= 682.7</td></tr> </tbody> </table>	REGIONS		MASS PROPERTIES (UNIT)	VALUES	Area (mm ²)	1181.0	Perimeter (mm)	622.0	Bounding Box - X (mm)	-13.3 to 13.7	Bounding Box - Y (mm)	-17.3 to 10.7	Centroid - X (mm)	0.0	Centroid - 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X (mm ²)	1.7 / y-max= 6885.9	Elastic Modulus - Y (mm ²)	1.7 / x-max= 897.9	<p>MEMBER: IW-06 GRADE: 6063-T6 FINISH: PVF2 3-COATING</p>  <p>X86382</p> <table border="1"> <thead> <tr><th colspan="2">REGIONS</th></tr> <tr><th>MASS PROPERTIES (UNIT)</th><th>VALUES</th></tr> </thead> <tbody> <tr><td>Area (mm²)</td><td>1308.4</td></tr> <tr><td>Perimeter (mm)</td><td>835.5</td></tr> <tr><td>Bounding Box - X (mm)</td><td>-31.0 to 31.0</td></tr> <tr><td>Bounding Box - Y (mm)</td><td>-71.0 to 69.0</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>284448.3</td></tr> <tr><td>Moment of inertia - Y (mm⁴)</td><td>581505.5</td></tr> <tr><td>Product of inertia - XY (mm⁴)</td><td>-14.8</td></tr> <tr><td>Radius of gyration - X (mm)</td><td>46.8</td></tr> <tr><td>Radius of gyration - Y (mm)</td><td>31.1</td></tr> <tr><td>Principal moment along X-Y (mm⁴)</td><td>284448.3 along (0.0 - 1.0)</td></tr> <tr><td>Principal moment along Y-X (mm⁴)</td><td>581505.5 along (1.0 0.0)</td></tr> <tr><td>Elastic Modulus - 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DATE REVISION BY</p> <p>JOB NO. : J-859</p> <p>PROJECT : PROPOSED RESIDENTIAL / COMMERCIAL DEVELOPMENT AT NKIL NO.6551 KAI TAK AREA 4C, SITE 3 KAI TAK, KOWLOON</p> <p>TITLE : DIE LIST FOR IN-SITU WINDOW</p> <p>DATE : 10-Nov-21 SCALE : 1:4 (A3)</p> <p>DRAWN BY : LHR CHECKED BY :</p> <p>MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)2727666</p> <p>DWG NO. : J859-SD-IW-0010 REV. : A</p>
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MEMBER: IW09
GRADE: 6063-T6
FINISH: PVF2 3-COATING

CKHK16842

MASS PROPERTIES (UNIT)	VALUES
Area (mm ²)	218.2
Perimeter (mm)	256.9
Bounding Box - X (mm)	-46.9 to 33.1
Bounding Box - Y (mm)	-40.3 to 40.7
Centroid - X (mm)	0.0
Centroid - Y (mm)	0.0
Moments of inertia - Ix (mm ⁴)	21981.7
Moments of inertia - Iy (mm ⁴)	71583.3
Product of inertia - Ixy (mm ⁴)	8986.4
Radius of gyration - rx (mm)	14.8
Radius of gyration - ry (mm)	24.0
Principal moments along X-Y (mm ⁴)	22583.3 along (13.8°)
Principal moments along X-Y (mm ⁴)	71583.3 along (66.2°)
Elastic Modulus - Ex (mm ²)	1 / y-max= 6382.1
Elastic Modulus - Ey (mm ²)	1 / x-max= 1521.4

MEMBER: IW29
GRADE: 6063-T6
FINISH: PVF2 3-COATING

MASS PROPERTIES (UNIT)	VALUES
Area (mm ²)	269.9
Perimeter (mm)	313.8
Bounding Box - X (mm)	-28.2 to 21.8
Bounding Box - Y (mm)	-40.5 to 40.3
Centroid - X (mm)	0.0
Centroid - Y (mm)	0.0
Moments of inertia - Ix (mm ⁴)	8100.7
Moments of inertia - Iy (mm ⁴)	21733.9
Product of inertia - Ixy (mm ⁴)	1818.0
Radius of gyration - rx (mm)	17.9
Radius of gyration - ry (mm)	31.8
Principal moments along X-Y (mm ⁴)	20621.9 along (18.0°)
Principal moments along X-Y (mm ⁴)	21733.9 along (61.9°)
Elastic Modulus - Ex (mm ²)	1 / y-max= 1762.8
Elastic Modulus - Ey (mm ²)	1 / x-max= 1087.6

MEMBER: IW08
GRADE: 6063-T6
FINISH: PVF2 3-COATING

X86022

MASS PROPERTIES (UNIT)	VALUES
Area (mm ²)	458.1
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
Moments of inertia - Ix (mm ⁴)	1983.7
Moments of inertia - Iy (mm ⁴)	37724.7
Product of inertia - Ixy (mm ⁴)	3123.1
Radius of gyration - rx (mm)	14.7
Radius of gyration - ry (mm)	28.7
Principal moments along X-Y (mm ⁴)	41781.1 along (13.8°)
Principal moments along X-Y (mm ⁴)	36583.3 along (61.1°)
Elastic Modulus - Ex (mm ²)	1 / y-max= 2838.0
Elastic Modulus - Ey (mm ²)	1 / x-max= 5178.0

MEMBER: IW28
GRADE: 6063-T6
FINISH: PVF2 3-COATING

X86027

MASS PROPERTIES (UNIT)	VALUES
Area (mm ²)	826
Perimeter (mm)	491
Bounding Box - X (mm)	-27 to 22
Bounding Box - Y (mm)	-40 to 41
Centroid - X (mm)	0
Centroid - Y (mm)	0
Moments of inertia - Ix (mm ⁴)	230008
Moments of inertia - Iy (mm ⁴)	303555
Product of inertia - Ixy (mm ⁴)	19
Radius of gyration - rx (mm)	17
Radius of gyration - ry (mm)	19
Principal moments along X-Y (mm ⁴)	230008 along (4.0°)
Principal moments along X-Y (mm ⁴)	303555 along (50.1°)
Elastic Modulus - Ex (mm ²)	1 / y-max= 5879
Elastic Modulus - Ey (mm ²)	1 / x-max= 11380

MEMBER: AW-F1
GRADE: 6063-T6
FINISH: PVF2 3-COATING

MASS PROPERTIES (UNIT)	VALUES
Area (mm ²)	633
Perimeter (mm)	305
Bounding Box - X (mm)	-28 to 29
Bounding Box - Y (mm)	-22 to 22
Centroid - X (mm)	0
Centroid - Y (mm)	0
Moments of inertia - Ix (mm ⁴)	20171.7
Moments of inertia - Iy (mm ⁴)	21178
Product of inertia - Ixy (mm ⁴)	0
Radius of gyration - rx (mm)	18
Radius of gyration - ry (mm)	9
Principal moments along X-Y (mm ⁴)	20171.7 along (41.0°)
Principal moments along X-Y (mm ⁴)	21178 along (51.1°)
Elastic Modulus - Ex (mm ²)	1 / y-max= 7233
Elastic Modulus - Ey (mm ²)	1 / x-max= 1788

MEMBER: AW-22
GRADE: 6063-T6
FINISH: PVF2 3-COATING

X86202

MASS PROPERTIES (UNIT)	VALUES
Area (mm ²)	112
Perimeter (mm)	195
Bounding Box - X (mm)	-11 to 14
Bounding Box - Y (mm)	-11 to 10
Centroid - X (mm)	0
Centroid - Y (mm)	0
Moments of inertia - Ix (mm ⁴)	811.7
Moments of inertia - Iy (mm ⁴)	126.9
Product of inertia - Ixy (mm ⁴)	-53.3
Radius of gyration - rx (mm)	7
Radius of gyration - ry (mm)	10
Principal moments along X-Y (mm ⁴)	854 along (4.0°)
Principal moments along X-Y (mm ⁴)	126.9 along (51.1°)
Elastic Modulus - Ex (mm ²)	1 / y-max= 582
Elastic Modulus - Ey (mm ²)	1 / x-max= 788

B.D. REF :

ARCHITECT :
WT WONG TUNG & PARTNERS LIMITED
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :
SUN HUNG KAI
ARCHITECTS AND ENGINEERS LTD.
SUN HUNG KAI CENTRE, WANCHAI, HONGKONG
TEL: 28278111 FAX: 28272884

FAÇADE CONSULTANT:
α ALPHA CONSULTING LIMITED
Steel Structure & Façade Specialist

MAIN CONTRACTOR :
Sanfield Engineering
Construction Ltd.

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

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
G1--8mmHS+12mm AIR GAP+10mmTP THK. I.G.U.
G2--8mmHS+12mm AIR GAP+8mmTP THK. I.G.U.
G2a--8mmHS+12mm AIR GAP+8mmTP+1.52PVB +6mmTP(PLANNING) FEATURED GLASS (GG66th) CRYSTAL GREY TP+1.52PVB+6mm CLEAR TP

NO.	DATE	REVISED	BY

JOB NO. : J-859
PROJECT : PROPOSED RESIDENTIAL / COMMERCIAL DEVELOPMENT AT NKIL NO.6551 KAI TAK AREA 4C, SITE 3 KAI TAK, KOWLOON

TITLE : DIE LIST FOR IN-SITU WINDOW

DATE : 10-Nov-21 SCALE : 1:4 (A3)

DRAWN BY : LHR 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. : J859-SD-IW-0011 REV. : A