

工程指示編號：EI /2165

修改版次：-

工程編號：J851

工程名稱：青衣 明翹匯

工程項目：幕牆試水單元件施工圖

收件人：生統

發件人：Leung Hin Wai

日期：22/07/2020

要求提供 / 確認 事項：

- |                                    |                                     |                               |
|------------------------------------|-------------------------------------|-------------------------------|
| <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 type="checkbox"/> 樣辦或貨品說明書   | <input type="checkbox"/> 分判合約 |
| <input type="checkbox"/> 其他：_____  |                                     |                               |

內容：

現附上幕牆測試單元件施工圖供參考。

請在\_\_\_\_\_前完成上列要求。

附：

以上項目為：

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

原因：-

分發東莞各部門：

- ( ) 生產技術總監  連附件    ( ) 技術部     連附件    ( ) 生產部     連附件    ( ) 機械設計部  連附件  
 ( ) 採購部     連附件    ( ) 生產統籌部  連附件  
 ( ) 質檢部     連附件    ( ) 會計部     連附件    ( ) 報關組     連附件    ( ) 其他 \_\_\_\_\_  連附件

分發香港各部門：

- ( ) 行政部  連附件    ( ) 會計部  連附件    ( ) 統籌部  連附件    ( ) 工程部地盤科文(柄)  連附件  
 ( ) 採購部  連附件    ( ) QS 部  連附件    ( ) 維修部  連附件    ( ) 其他 \_\_\_\_\_  連附件

傳遞編號：**HK1502**

發件人簽署：

項目經理簽署：

**PROJECT :**

**RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190  
SAI SHAN ROAD**

**BD DRAWING FOR  
PERFORMANCE TEST OF  
TOWER CURTAIN WALL  
DATE : 20 - April - 2020**



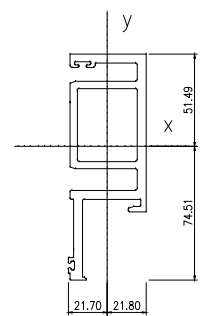
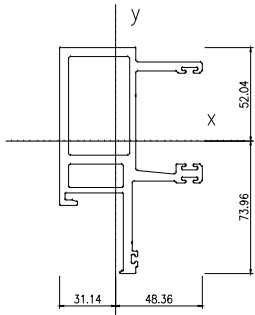
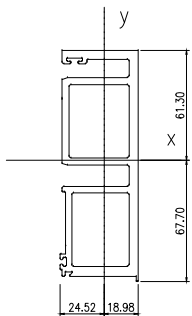
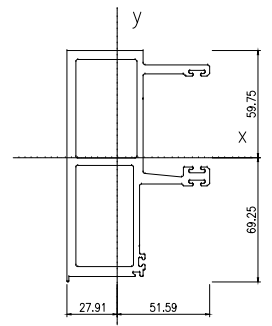
Units 6-8, Sunray Industrial Centre, 1/F  
610 Cha Kwo Ling Road, Kowloon  
Tel:23489211-4 Fax:(852)27727666

DWG. NO. : J851-PT-000

REV. : -

FILE NAME:



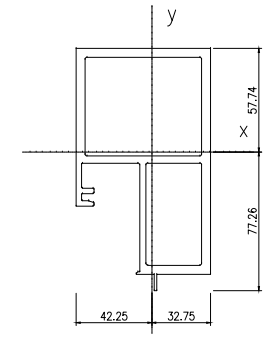
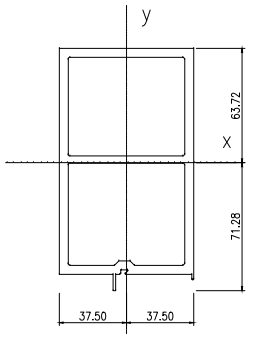
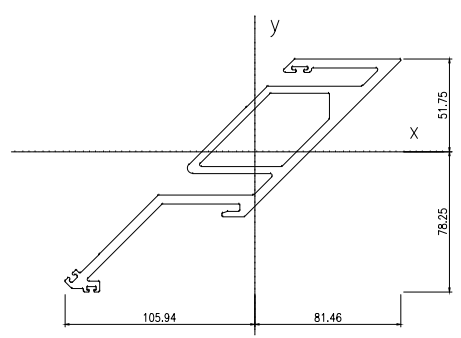
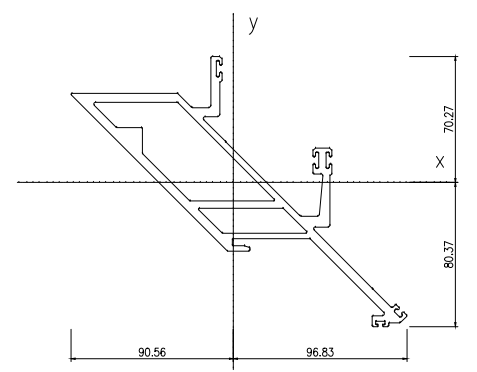


DIE NUMBER: M01	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1989.86	WEIGHT (kg/m): 5.39	EXT. PER. (mm): 915.91
DESCRIPTION: MALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 3217804.55		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 1042169.61		

DIE NUMBER: M02	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1776.32	WEIGHT (kg/m): 4.81	EXT. PER. (mm): 820.96
DESCRIPTION: FEMALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 2982832.51		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 424979.53		

DIE NUMBER: M03	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1851.75	WEIGHT (kg/m): 5.02	EXT. PER. (mm): 842.42
DESCRIPTION: MALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 2167416.58		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 899536.32		

DIE NUMBER: M04	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1542.36	WEIGHT (kg/m): 4.18	EXT. PER. (mm): 693.50
DESCRIPTION: FEMALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 1922142.17		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 374253.37		

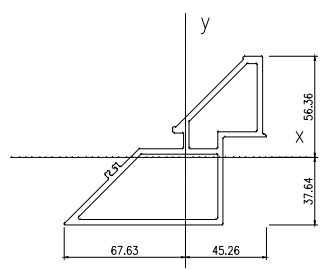
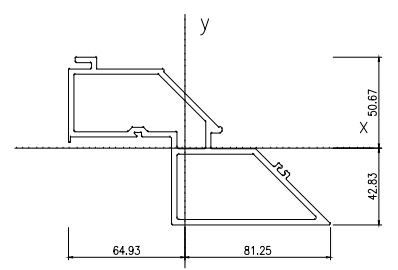


DIE NUMBER: M05	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2630.33	WEIGHT (kg/m): 7.13	EXT. PER. (mm): 1168.72
DESCRIPTION: MALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 3462069.02		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 6009268.00		

DIE NUMBER: M06	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2329.37	WEIGHT (kg/m): 6.31	EXT. PER. (mm): 957.41
DESCRIPTION: FEMALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 3048491.71		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 5356704.16		

DIE NUMBER: M07	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2201.79	WEIGHT (kg/m): 5.967	EXT. PER. (mm): 915.09
DESCRIPTION: O		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 4163230.03		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 1873131.47		

DIE NUMBER: M08	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2037.46	WEIGHT (kg/m): 5.52	EXT. PER. (mm): 909.11
DESCRIPTION: MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 3350545.87		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 1517971.26		



DIE NUMBER: M09	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1398.89	WEIGHT (kg/m): 3.79	EXT. PER. (mm): 914.26
DESCRIPTION: MALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 1192232.08		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 2314299.09		

DIE NUMBER: M10	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1160.31	WEIGHT (kg/m): 3.14	EXT. PER. (mm): 750.32
DESCRIPTION: FEMALE MULLION		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 944735.55		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 1138345.56		

B.D. REF :  
F.S.D. REF :  
Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

**GENERAL NOTES**  
Legend :  
1. F.F.L.-- Finished Floor Level  
2. S.F.L.-- Structural Floor Level  
3. (R) -- Reversed Detail  
X1 -- DETAIL MARK NO.  
X001 -- REFER SHEET NO.

NO.	DATE	GENERAL REVISION	BY
A	06-04-2020	REVISD	

CLIENT :  
**佳明集團控股有限公司**  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
**GRAND TECH CONSTRUCTION CO. LTD.**

ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
ARCHITECTS & PLANNERS

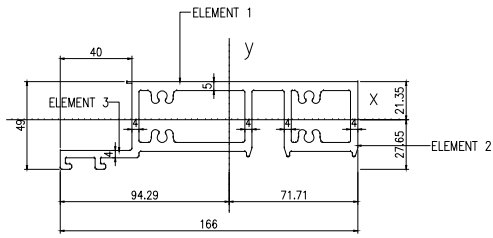
STRUCTURAL ENGINEER :  
**C M WONG & ASSOCIATES LTD**

**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

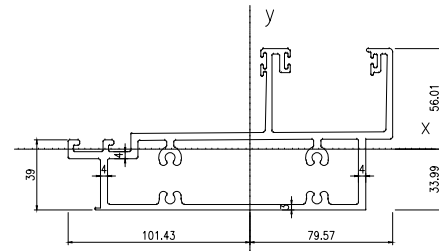
PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
MATERIAL LIST FOR  
CURTAIN WALL

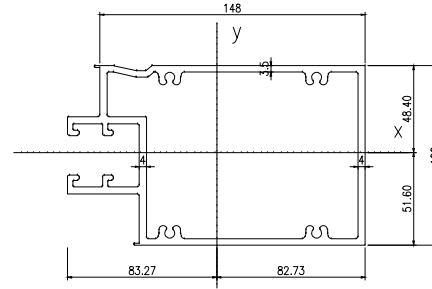
JOB NO. :	J-851
DRAWN BY :	LS
DATE :	17-04-2020
CHKD BY :	A3:
SCALE :	A1: 1:2
DWG. NO. :	J851-PT-DL01
REV. :	-



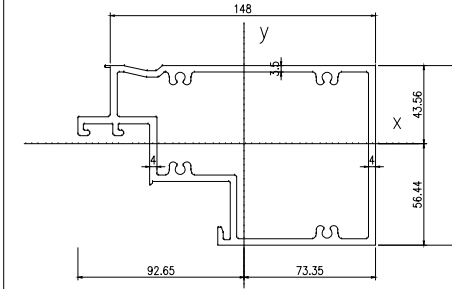
DIE NUMBER: T01	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2104.48	WEIGHT (kg/m): 5.7	EXT. PER. (mm): 925.78
DESCRIPTION: SILL		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 521664.03		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 4492742.32		



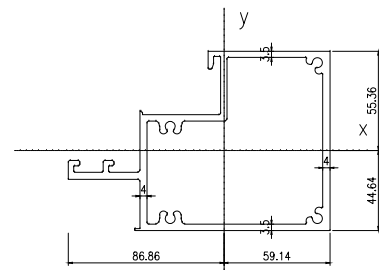
DIE NUMBER: T02	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2296.64	WEIGHT (kg/m): 6.22	EXT. PER. (mm): 1304.14
DESCRIPTION: HEAD		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 1456879.60		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 6687303.54		



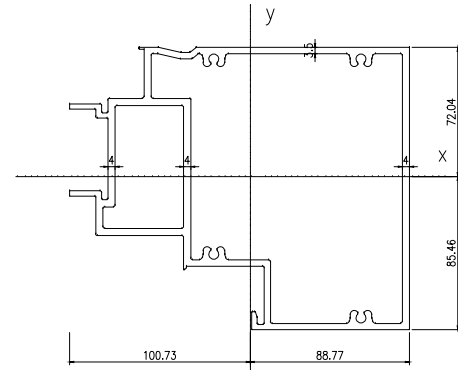
DIE NUMBER: T03	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2374.27	WEIGHT (kg/m): 6.43	EXT. PER. (mm): 1251.73
DESCRIPTION: INTERMEDIATE TRANSOM		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 3341567.89		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 7409839.45		



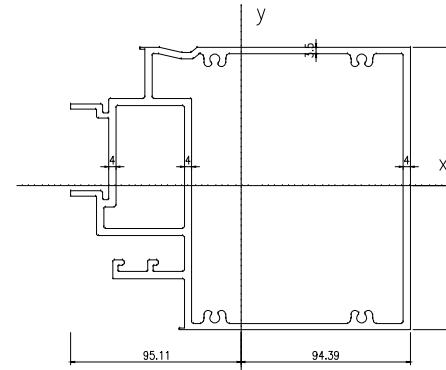
DIE NUMBER: T04	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2178.90	WEIGHT (kg/m): 5.9	EXT. PER. (mm): 1160.04
DESCRIPTION: INTERMEDIATE TRANSOM		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 2806300.11		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 6016636.36		



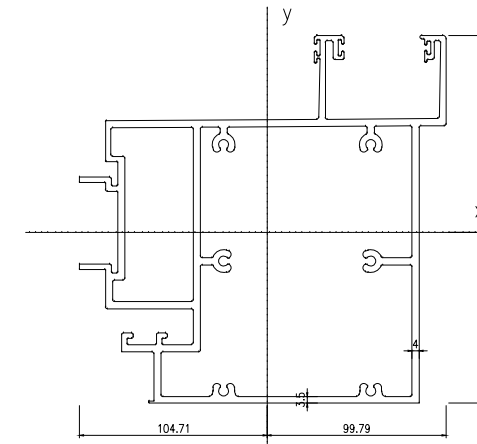
DIE NUMBER: T05	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 1911.59	WEIGHT (kg/m): 5.18	EXT. PER. (mm): 1008.33
DESCRIPTION: INTERMEDIATE TRANSOM		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 2248728.28		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 3757938.23		



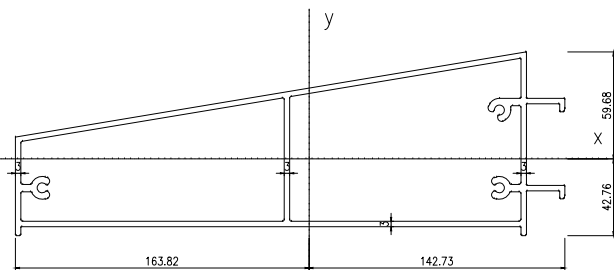
DIE NUMBER: T06	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 3228.05	WEIGHT (kg/m): 8.75	EXT. PER. (mm): 1685.3
DESCRIPTION: INTERMEDIATE TRANSOM		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 9116026.07		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 12162235.57		



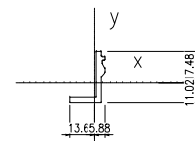
DIE NUMBER: T07	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 3423.42	WEIGHT (kg/m): 9.28	EXT. PER. (mm): 1776.98
DESCRIPTION: INTERMEDIATE TRANSOM		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 10452596.69		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 13015499.56		



DIE NUMBER: T08	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 4496.99	WEIGHT (kg/m): 12.19	EXT. PER. (mm): 2389.47
DESCRIPTION: HEAD		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 17154481.34		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 18272810.72		



DIE NUMBER: T09	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 2843.76	WEIGHT (kg/m): 7.71	EXT. PER. (mm): 1831.99
DESCRIPTION: ALUM.FEATURE		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 2971757.56		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 28264234.59		



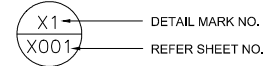
DIE NUMBER: T11	ALLOY TEMPER: 6063-T6	FINISH CODE: -
AREA (mm <sup>2</sup> ): 144.54	WEIGHT (kg/m): 0.39	EXT. PER. (mm): 95.63
DESCRIPTION: ALUM.FEATURE		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 12046.17		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 3425.52		

B.D. REF :  
F.S.D. REF :  
Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

GENERAL NOTES

Legend :

1. F.F.L.-- Finished Floor Level
2. S.F.L.-- Structural Floor Level
3. (R) -- Reversed Detail



NO.	DATE	REVISED	BY

CLIENT :  
**佳明集團控股有限公司**  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
**GRAND TECH CONSTRUCTION CO. LTD.**

ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
ARCHITECTS & PLANNERS

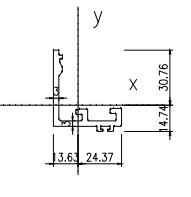
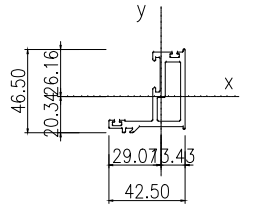
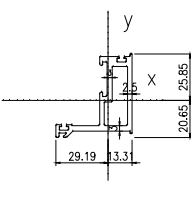
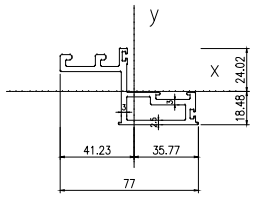
STRUCTURAL ENGINEER :  
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PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
MATERIAL LIST FOR  
CURTAIN WALL

JOB NO. :	J-851
DRAWN BY :	LS
DATE :	17-04-2020
CHKD BY :	SCALE A1: 1:2 A3:
DWG. NO. :	J851-PT-DL02
REV. :	-

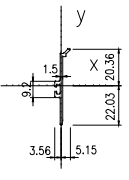
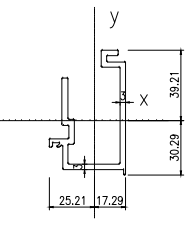
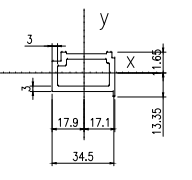
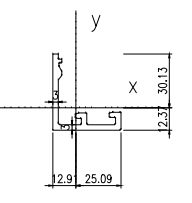


DIE NUMBER: S01	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 560.35	WEIGHT (kg/m): 1.52	EXT. PER. (mm): 402.31
DESCRIPTION: VENT FRAME		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 92279.47		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 254553.91		

DIE NUMBER: S02	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 409.70	WEIGHT (kg/m): 1.11	EXT. PER. (mm): 311.31
DESCRIPTION: VENT FRAME		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 90824.43		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 50699.16		

DIE NUMBER: S03	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 417.20	WEIGHT (kg/m): 1.13	EXT. PER. (mm): 311.05
DESCRIPTION: VENT FRAME		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 93120.17		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 49607.23		

DIE NUMBER: C01	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 323.23	WEIGHT (kg/m): 0.875	EXT. PER. (mm): 217.57
DESCRIPTION: VENT		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 53873.14		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 54762.10		

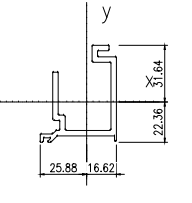
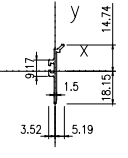


DIE NUMBER: C02	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 308.75	WEIGHT (kg/m): 0.83	EXT. PER. (mm): 202.32
DESCRIPTION: VENT		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 51149.17		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 51056.27		

DIE NUMBER: A01	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 307.91	WEIGHT (kg/m): 0.83	EXT. PER. (mm): 206.95
DESCRIPTION: VENT		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 18956.81		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 44232.59		

DIE NUMBER: A02	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 553.76	WEIGHT (kg/m): 1.50	EXT. PER. (mm): 371.58
DESCRIPTION: ADAPTOR		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 240271.66		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 114962.78		

DIE NUMBER: A03	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 81.43	WEIGHT (kg/m): 0.22	EXT. PER. (mm): 107.71
DESCRIPTION: ADAPTOR		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 10730.55		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 160.12		



DIE NUMBER: A04	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 67.18	WEIGHT (kg/m): 0.182	EXT. PER. (mm): 88.71
DESCRIPTION: ADAPTOR		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 5171.45		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 156.82		

DIE NUMBER: A08	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm <sup>2</sup> ): 436.02	WEIGHT (kg/m): 1.181	EXT. PER. (mm): 304.89
DESCRIPTION: ADAPTOR		
MOMENTS OF INERTIA-X (mm <sup>4</sup> ): 123390.54		
MOMENTS OF INERTIA-Y (mm <sup>4</sup> ): 86669.39		

B.D. REF :  
F.S.D. REF :  
Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

**GENERAL NOTES**  
Legend :  
1. F.F.L-- Finished Floor Level  
2. S.F.L-- Structural Floor Level  
3. (R) -- Reversed Detail  
X1 --- DETAIL MARK NO.  
X001 --- REFER SHEET NO.

NO.	DATE	REVISION	BY
A	06-04-2020	GENERAL REVISION	

CLIENT :  
**佳明集團控股有限公司**  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
**GRAND TECH CONSTRUCTION CO. LTD.**

ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
ARCHITECTS & PLANNERS

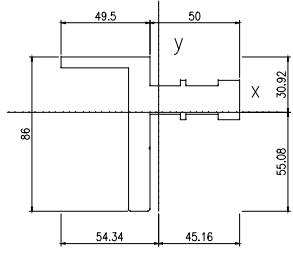
STRUCTURAL ENGINEER :  
**C M WONG & ASSOCIATES LTD**

**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

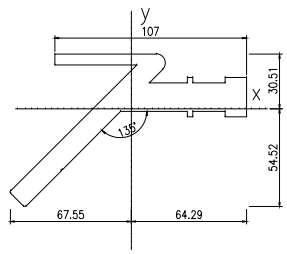
PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
MATERIAL LIST FOR  
CURTAIN WALL

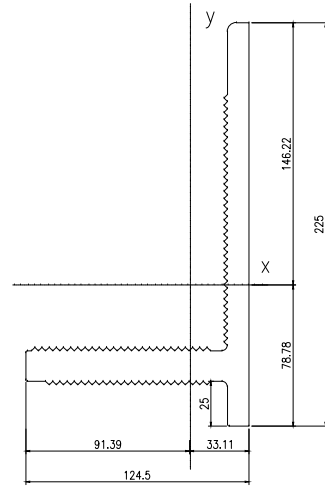
JOB NO. :	J-851
DRAWN BY :	LS
DATE :	17-04-2020
CHKD BY :	
SCALE :	A1: 1:2 A3:
DWG. NO. :	J851-PT-DL03
REV. :	-



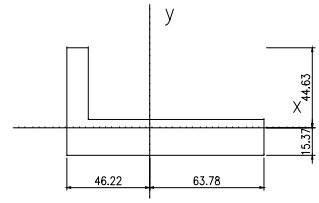
DIE NUMBER: B01	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 2146.18	WEIGHT (kg/m): 5.81	EXT. PER. (mm): 394.71
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 1029146.07		
MOMENTS OF INERTIA-Y (mm⁴) : 1051393.74		



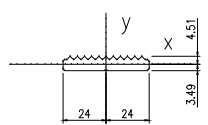
DIE NUMBER: B02	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 2725.72	WEIGHT (kg/m): 7.39	EXT. PER. (mm): 482.95
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 1170556.60		
MOMENTS OF INERTIA-Y (mm⁴) : 3329388.79		



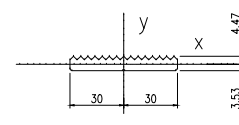
DIE NUMBER: B03	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 4942.35	WEIGHT (kg/m): 13.39	EXT. PER. (mm): 830.51
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 19136317.67		
MOMENTS OF INERTIA-Y (mm⁴) : 6852881.34		



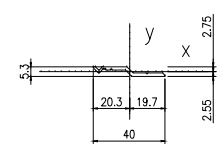
DIE NUMBER: B04	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 2680	WEIGHT (kg/m): 7.26	EXT. PER. (mm): 340
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 491960.18		
MOMENTS OF INERTIA-Y (mm⁴) : 3170157.98		



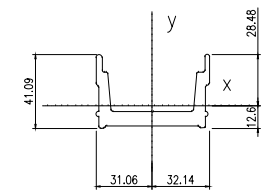
DIE NUMBER: B05	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 330.75	WEIGHT (kg/m): 0.9	EXT. PER. (mm): 125.08
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 1375.87		
MOMENTS OF INERTIA-Y (mm⁴) : 61880.09		



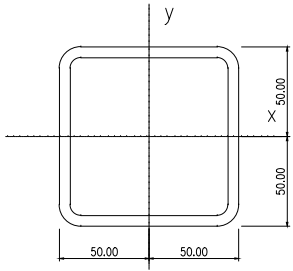
DIE NUMBER: B06	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 419.18	WEIGHT (kg/m): 1.14	EXT. PER. (mm): 156.57
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 1775.74		
MOMENTS OF INERTIA-Y (mm⁴) : 125579.41		



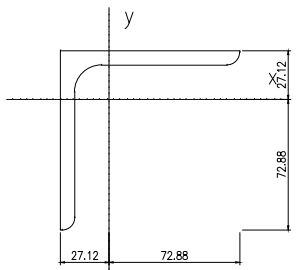
DIE NUMBER: B07	ALLOY TEMPER: 6063-T5	FINISH CODE: -
AREA (mm²): 71	WEIGHT (kg/m): 0.192	EXT. PER. (mm): 89.16
DESCRIPTION: FIXING BRACKET		
MOMENTS OF INERTIA-X (mm⁴) : 211.15		
MOMENTS OF INERTIA-Y (mm⁴) : 8584.46		



DIE NUMBER: G01	ALLOY TEMPER: 6061-T6	FINISH CODE: -
AREA (mm²): 831.37	WEIGHT (kg/m): 2.25	EXT. PER. (mm): 265.34
DESCRIPTION: GUTTER SLEEVE		
MOMENTS OF INERTIA-X (mm⁴) : 89641.95		
MOMENTS OF INERTIA-Y (mm⁴) : 414986.97		



DIE NUMBER: S01	ALLOY TEMPER: S275	FINISH CODE: H.D GAL.
AREA (mm²): 2163.29	WEIGHT (kg/m): 17.025	EXT. PER. (mm): 721.10
DESCRIPTION: 100x100x6mm THK. G.M.S. HOLLOW SECTION		
MOMENTS OF INERTIA-X (mm⁴) : 3114741.80		
MOMENTS OF INERTIA-Y (mm⁴) : 3114741.80		



DIE NUMBER: S02	ALLOY TEMPER: S275	FINISH CODE: H.D GAL.
AREA (mm²): 1563.25	WEIGHT (kg/m): 12.302	EXT. PER. (mm): 387.55
DESCRIPTION: 100x100x8mm THK. G.M.S. ANGLE		
MOMENTS OF INERTIA-X (mm⁴) : 1437177.25		
MOMENTS OF INERTIA-Y (mm⁴) : 1437177.25		

B.D. REF :  
F.S.D. REF :  
Note :  
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**GENERAL NOTES**  
Legend :  
1. F.F.L.-- Finished Floor Level  
2. S.F.L.-- Structural Floor Level  
3. (R) -- Reversed Detail  
X1 -- DETAIL MARK NO.  
X001 -- REFER SHEET NO.

NO.	DATE	REVISED	BY

CLIENT :  
**佳明集團控股有限公司**  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
**GRAND TECH CONSTRUCTION CO. LTD.**

ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
ARCHITECTS & PLANNERS

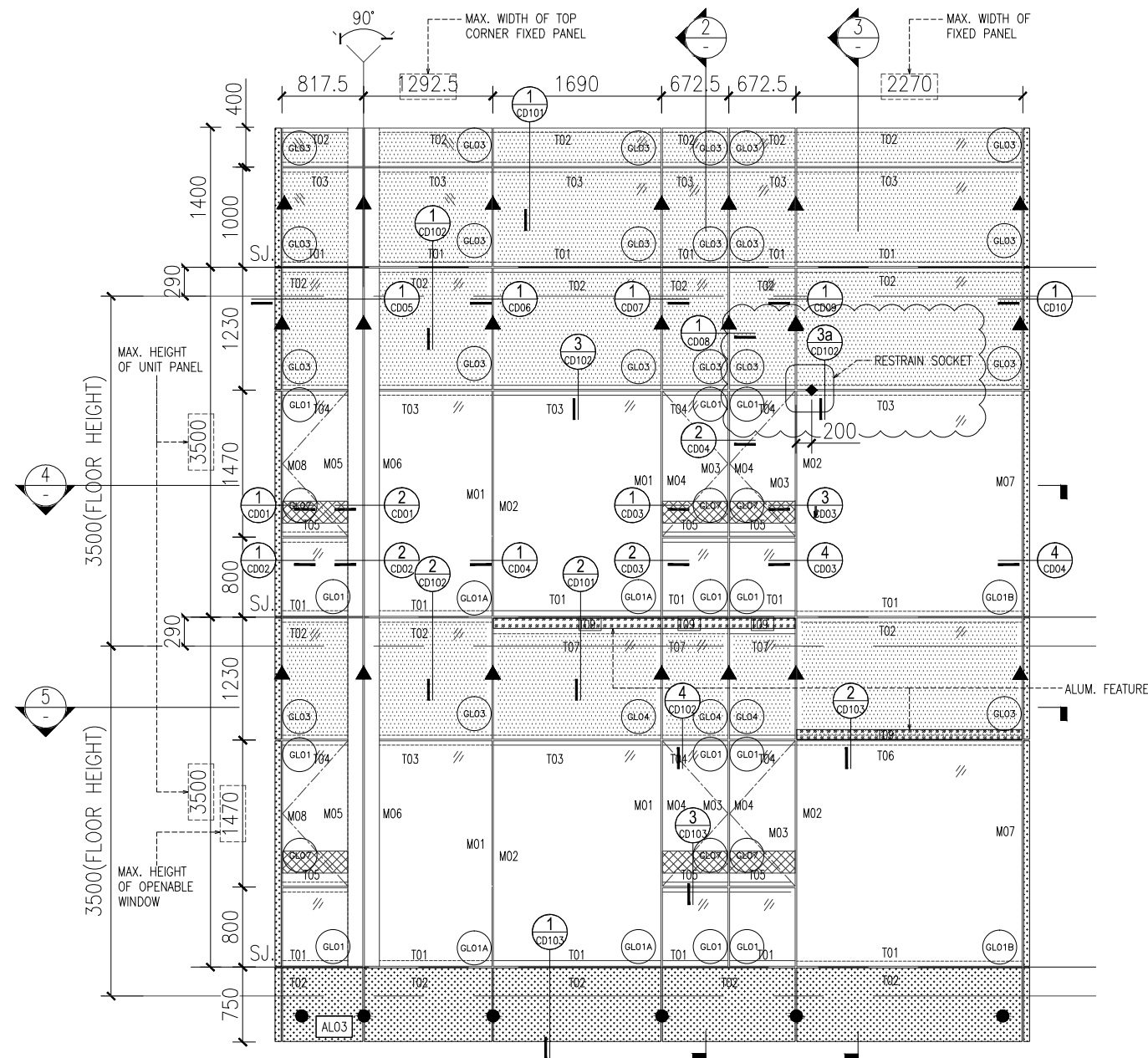
STRUCTURAL ENGINEER :  
**C M WONG & ASSOCIATES LTD**

**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

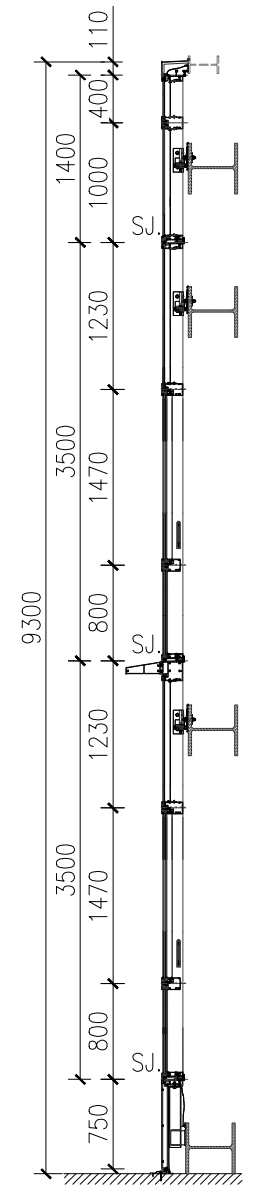
PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
MATERIAL LIST FOR  
CURTAIN WALL

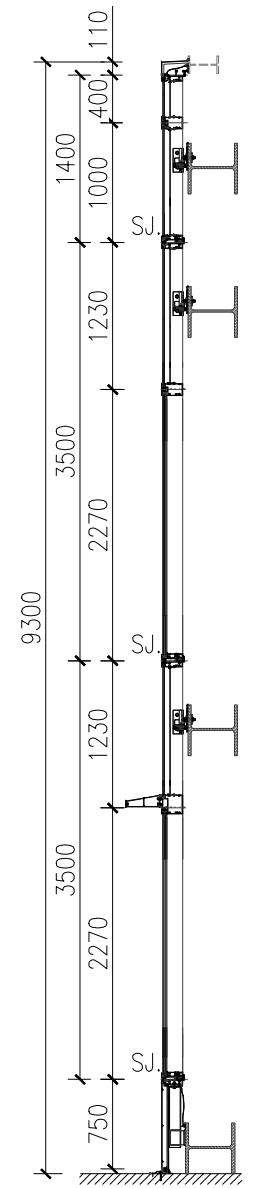
JOB NO. :	J-851
DRAWN BY :	LS
DATE :	17-04-2020
CHKD BY :	A3:
SCALE :	A1: 1:2
DWG. NO. :	J851-PT-DL04
REV. :	-



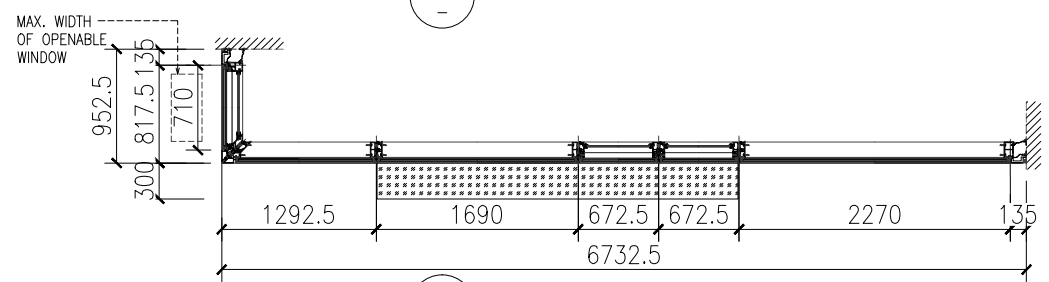
1 PARTIAL ELEVATION



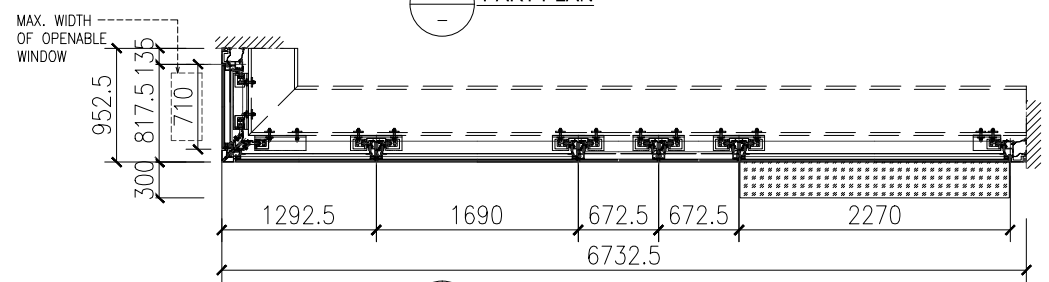
2 PARTIAL SECTION



3 PARTIAL SECTION



4 PART PLAN



5 PART PLAN

LEGEND

AL01	3mm THK. ALUM. CLADDING	
AL03	3mm THK. ALUM. CLADDING(SANDY BROWN)	
AF01	ALUM. FEATURE	
GL01	28mm THK. GREY BLUE IGU GLASS(8mm HS+12mm AIR+8mm TEMPERED)	
GL01A	30mm THK. GREY BLUE IGU GLASS(8mm HS+12mm AIR+10mm TEMPERED)	
GL01B	29mm THK. GREY BLUE IGU GLASS(8mm HS+9mm AIR+12mm TEMPERED)	
GL03	12mm THK. SPANDREL HEAT STRENGTHENED GLASS & 2mm THK. ALUM. BACKPAN	
GL07	12mm THK. CLEAR TEMPERED GLASS(SAFETY BARRIER)	
	WIND LOAD + DEAD LOAD BRACKET	
	WIND LOAD BRACKET	
	RESTRAIN SOCKET	

B.D. REF :  
F.S.D. REF :  
Note :  
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GENERAL NOTES

Legend :  
1. F.F.L.-- Finished Floor Level  
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3. (R) -- Reversed Detail  
X1 -- DETAIL MARK NO.  
X001 -- REFER SHEET NO.

A	10-07-2020	ADDITION RESTRAIN SOCKET		
NO.	DATE	REVISED	BY	

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :  
  
C M WONG & ASSOCIATES LTD

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

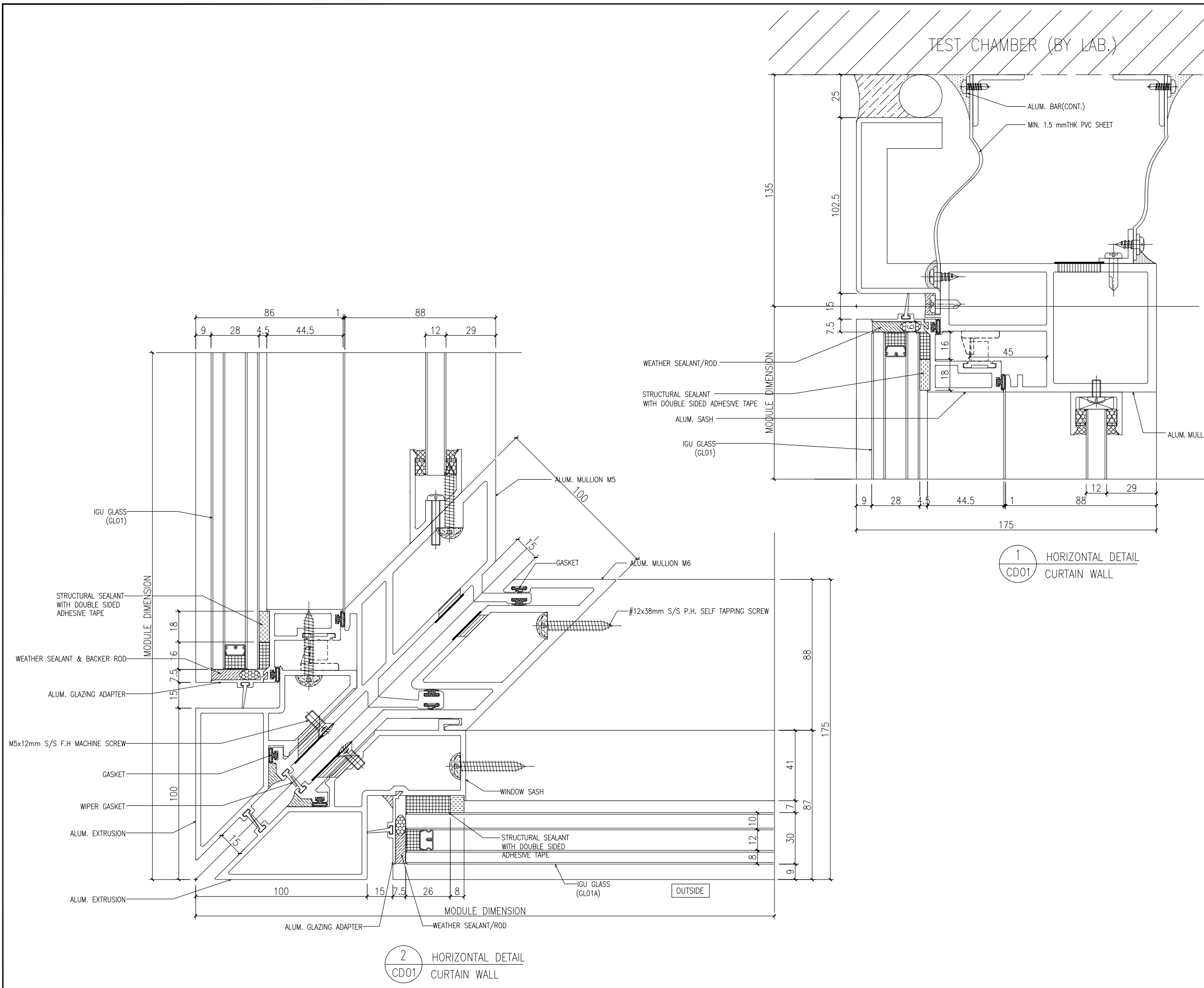
PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
PARTIAL ELEVATION, SECTION AND PLAN  
OF CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851  
DRAWN BY : LUO DATE : 17-04-2020

CHKD BY : SCALE A1: 1:30  
A3:

DWG. NO. : J851-PT-PE101 REV. : A



B.D. REF :  
 F.S.D. REF :  
 Note :  
 1. All dimensions are in mm.  
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**GENERAL NOTES**

**Legend :**  
 1. F.F.L.-- Finished Floor Level  
 2. S.F.L.-- Structural Floor Level  
 3. (R) -- Reversed Detail

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

NO.	DATE	REVISED	BY

CLIENT :  
**佳明集團控股有限公司**  
 GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
**GRAND TECH CONSTRUCTION CO. LTD.**

ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
 ARCHITECTS & PLANNERS

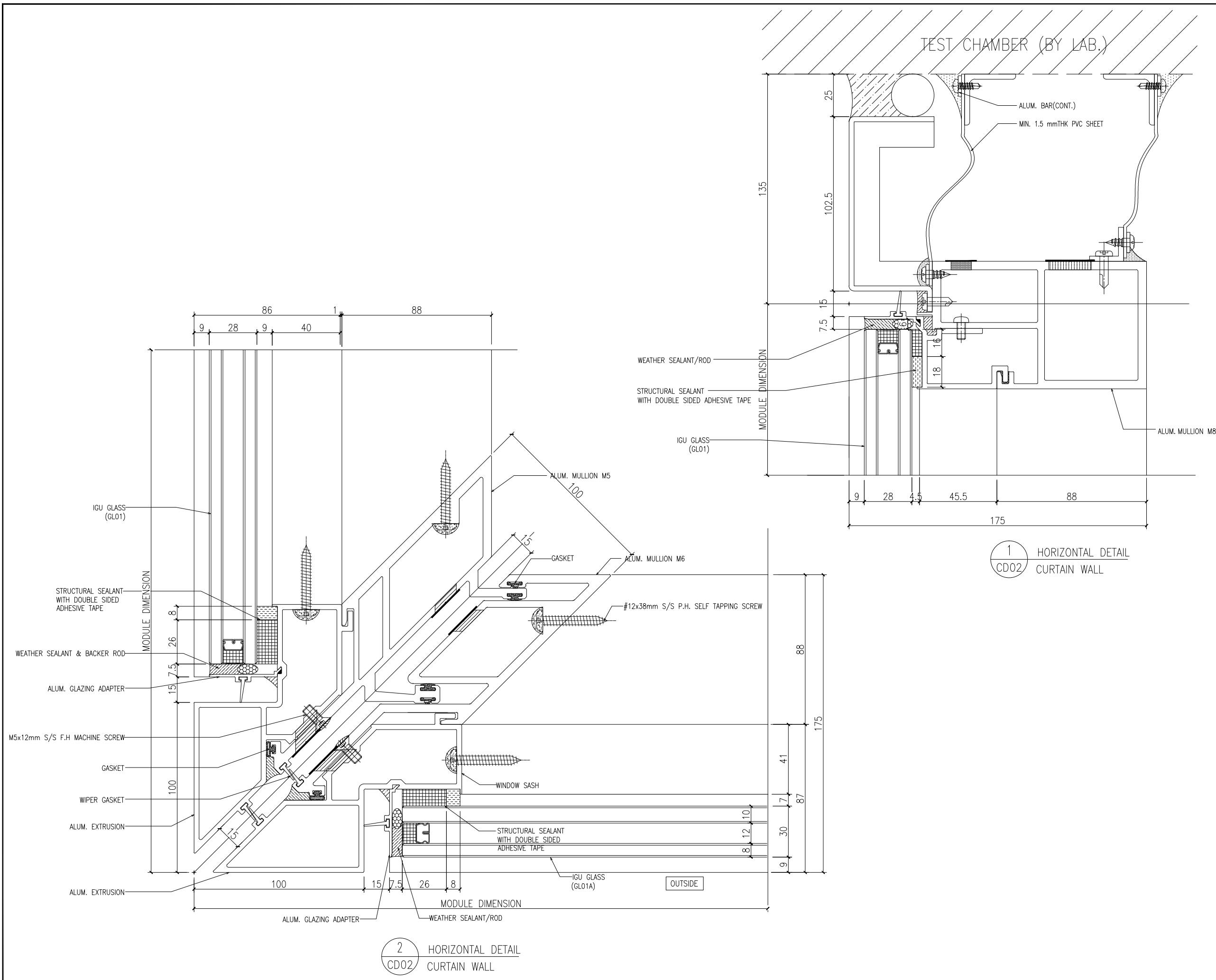
STRUCTURAL ENGINEER :  
**C M WONG & ASSOCIATES LTD**

**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

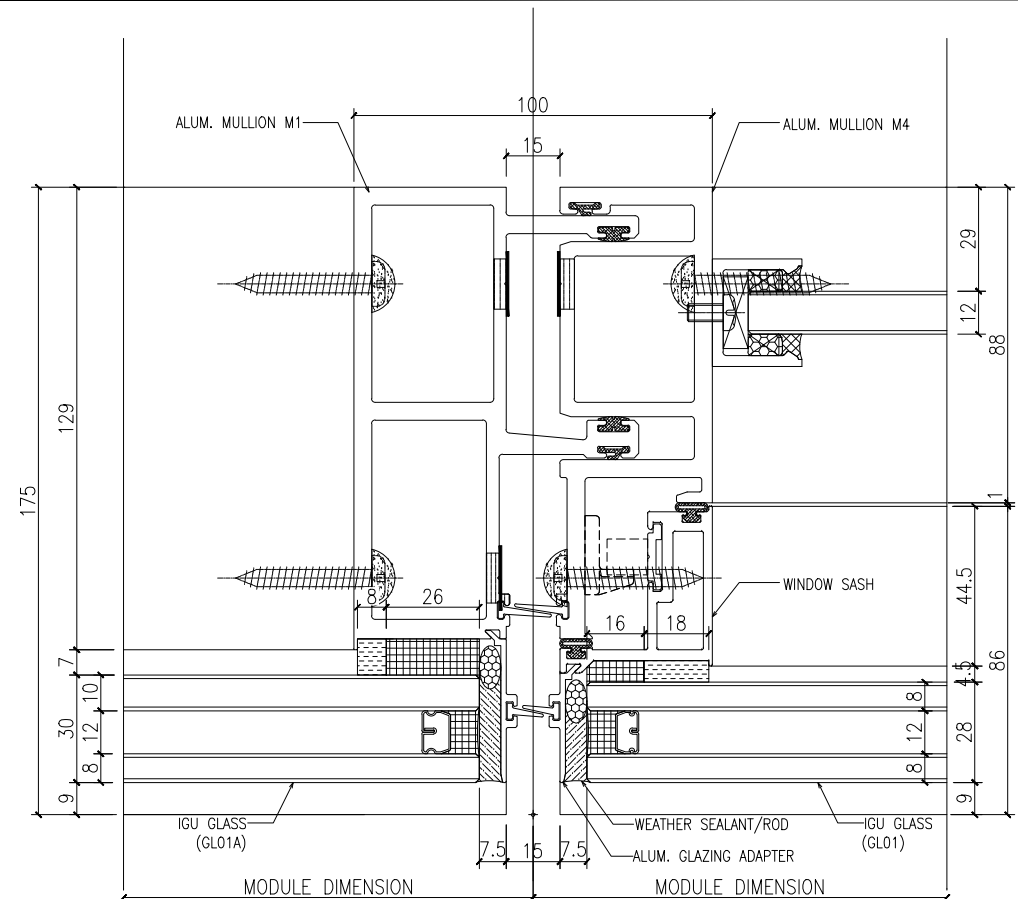
PROJECT :  
 RESIDENTIAL DEVELOPMENT AT  
 TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
 DETAILS OF  
 CURTAIN WALL PERFORMANCE TEST

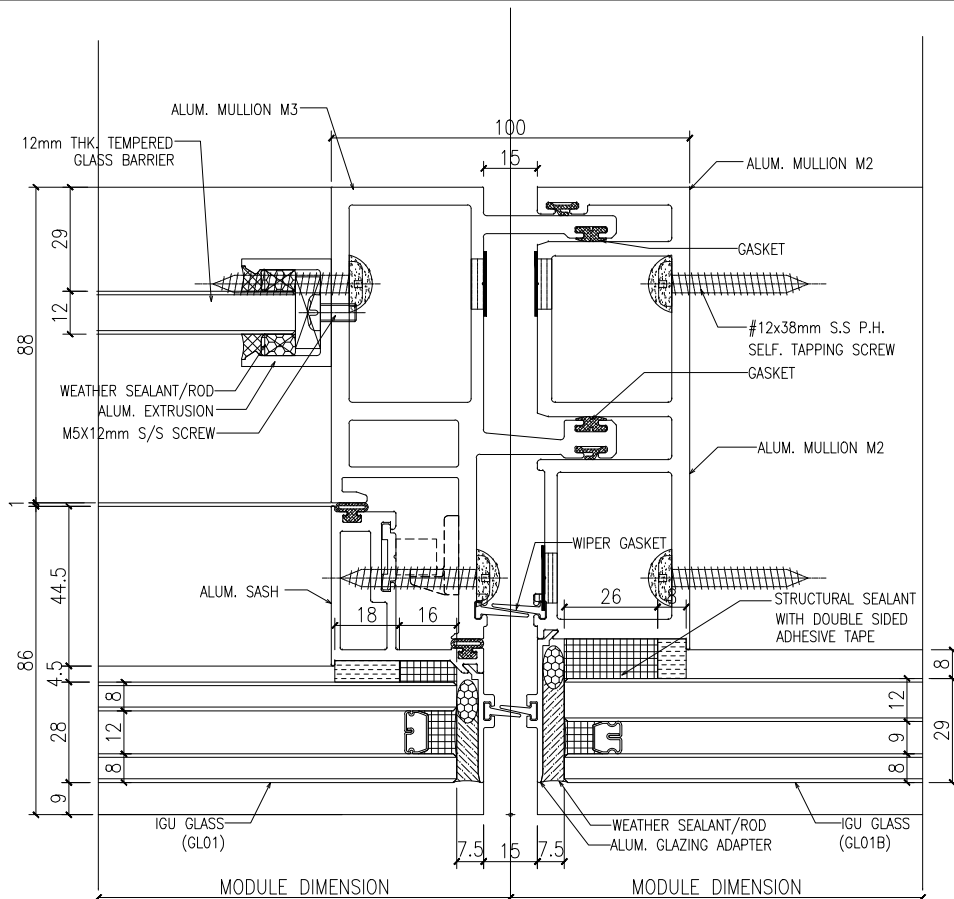
JOB NO. : J-851  
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 CHKD BY : SCALE A1: A3: 1:2  
 DWG. NO. : J851-PT-CD01 REV. : -



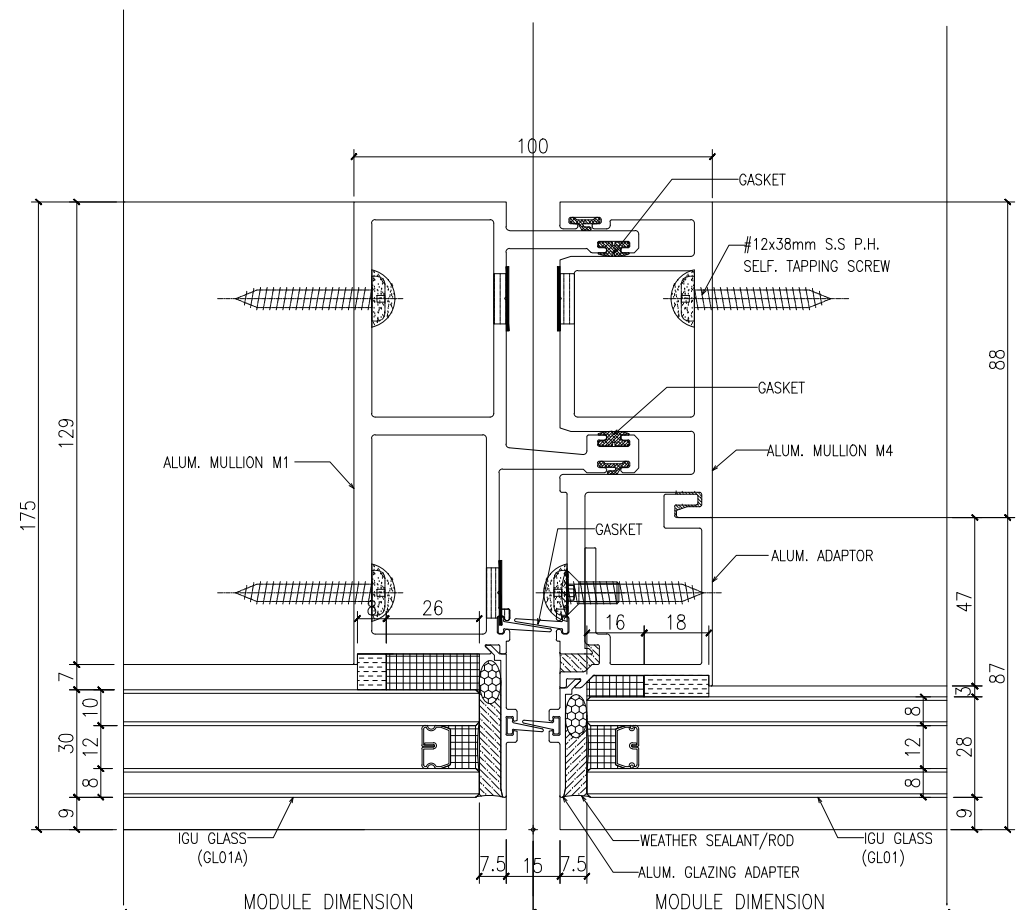
B.D. REF :			
F.S.D. REF :			
Note :			
1.All dimensions are in mm.			
2.All elevations are viewed from outside.			
3.All dimensions to be verified on site before fabrication.			
<b>GENERAL NOTES</b>			
Legend :			
1. F.F.L.-- Finished Floor Level			
2. S.F.L.-- Structural Floor Level			
3. (R) -- Reversed Detail			
X1		DETAIL MARK NO.	
X001		REFER SHEET NO.	
NO.	DATE	REVISED	BY
CLIENT :			
<b>佳明集團控股有限公司</b> GRAND MING GROUP HOLDINGS LIMITED			
MAIN CONTRACTOR :			
<b>GRAND TECH CONSTRUCTION CO. LTD.</b>			
ARCHITECT :			
<b>WONG TUNG &amp; PARTNERS LIMITED</b> ARCHITECTS & PLANNERS 			
STRUCTURAL ENGINEER :			
 <b>C M WONG &amp; ASSOCIATES LTD</b>			
PROJECT :			
<b>RESIDENTIAL DEVELOPMENT AT</b> <b>TSING YI TOWN LOT 190 SAI SHAN ROAD</b>			
TITLE :			
DETAILS OF CURTAIN WALL PERFORMANCE TEST			
JOB NO. : J-851			
DRAWN BY : LS	DATE : 17-04-2020		
CHKD BY :	SCALE A1:	A3: 1:2	
DWG. NO. : J851-PT-CD02	REV. :		-



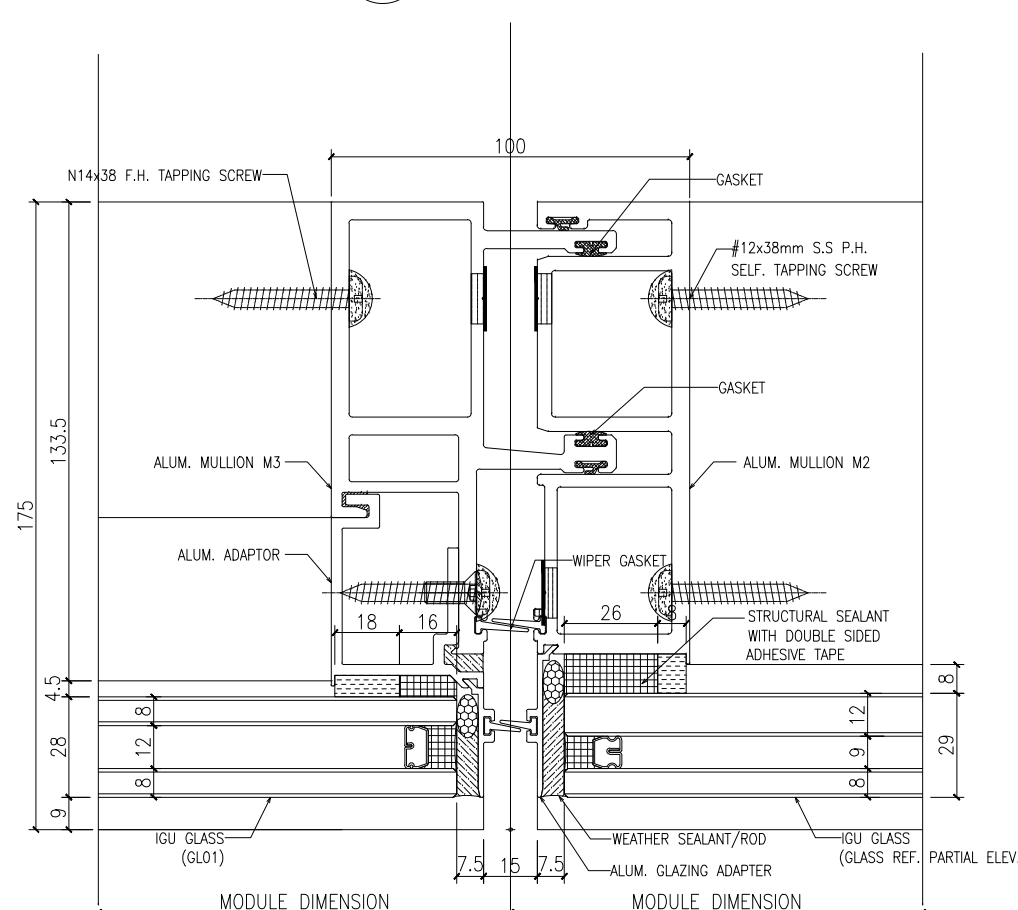
1 HORIZONTAL DETAIL  
CD03 CURTAIN WALL OUTSIDE



3 HORIZONTAL DETAIL  
CD03 CURTAIN WALL OUTSIDE



2 HORIZONTAL DETAIL  
CD03 CURTAIN WALL OUTSIDE



4 HORIZONTAL DETAIL  
CD03 CURTAIN WALL OUTSIDE

B.D. REF :  
F.S.D. REF :  
Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

GENERAL NOTES  
Legend :  
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X1 -- DETAIL MARK NO.  
X001 -- REFER SHEET NO.

NO.	DATE	REVISED	BY

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :  
  
C M WONG & ASSOCIATES LTD

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

PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
DETAILS OF  
CURTAIN WALL PERFORMANCE TEST

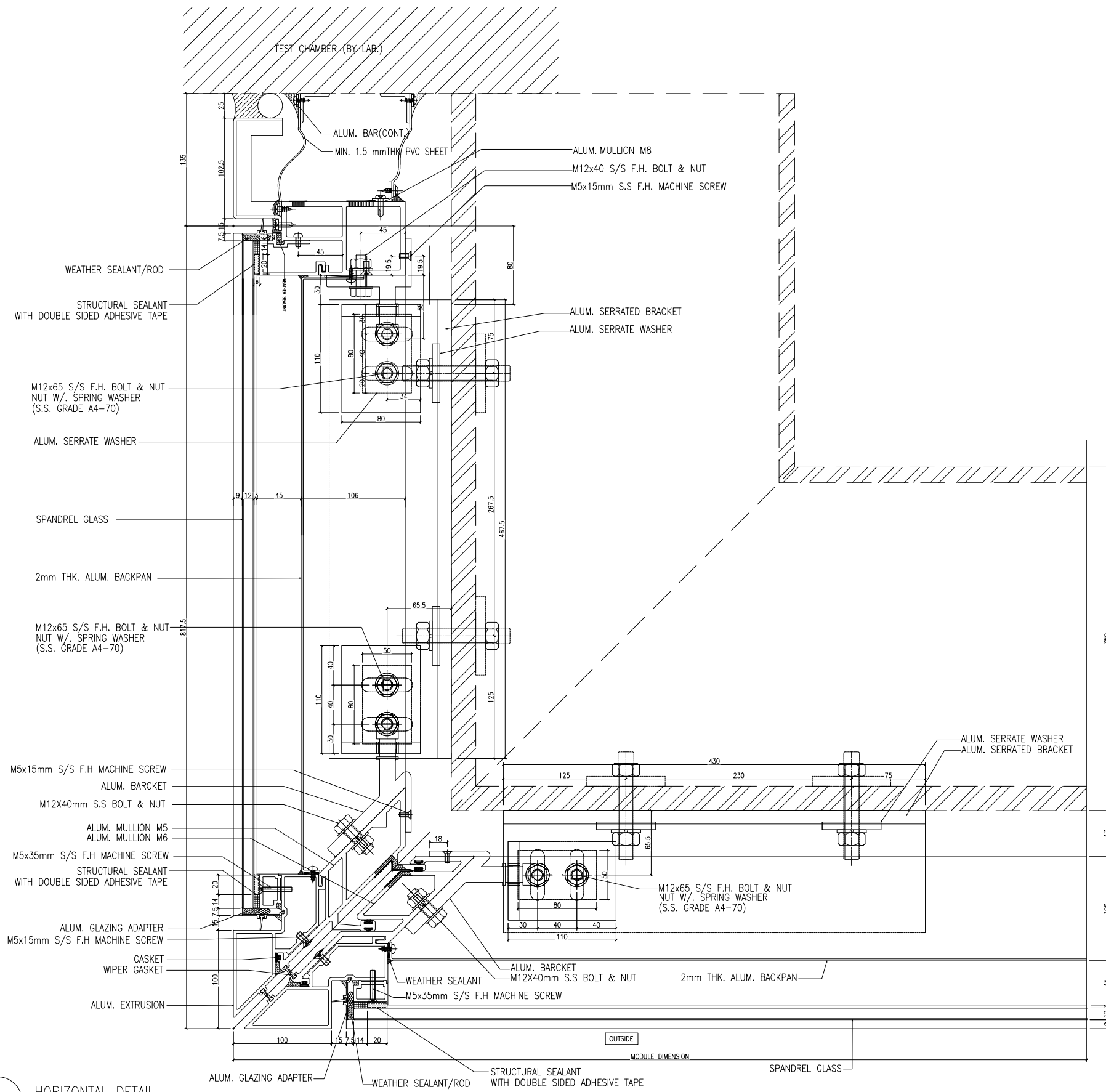
JOB NO. : J-851

DRAWN BY : LS DATE : 17-04-2020

CHKD BY : SCALE A1: 1:2  
A3: 1:2

DWG. NO. : J851-PT-CD03 REV. : -





1 HORIZONTAL DETAIL  
CD05 CURTAIN WALL

B.D. REF :  
F.S.D. REF :

Note :  
1. All dimensions are in mm.  
2. All elevations are viewed from outside.  
3. All dimensions to be verified on site before fabrication.

GENERAL NOTES

Legend :  
1. F.F.L.-- Finished Floor Level  
2. S.F.L.-- Structural Floor Level  
3. (R) -- Reversed Detail

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

NO.	DATE	REVISED	BY

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :  
  
C M WONG & ASSOCIATES LTD

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

PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

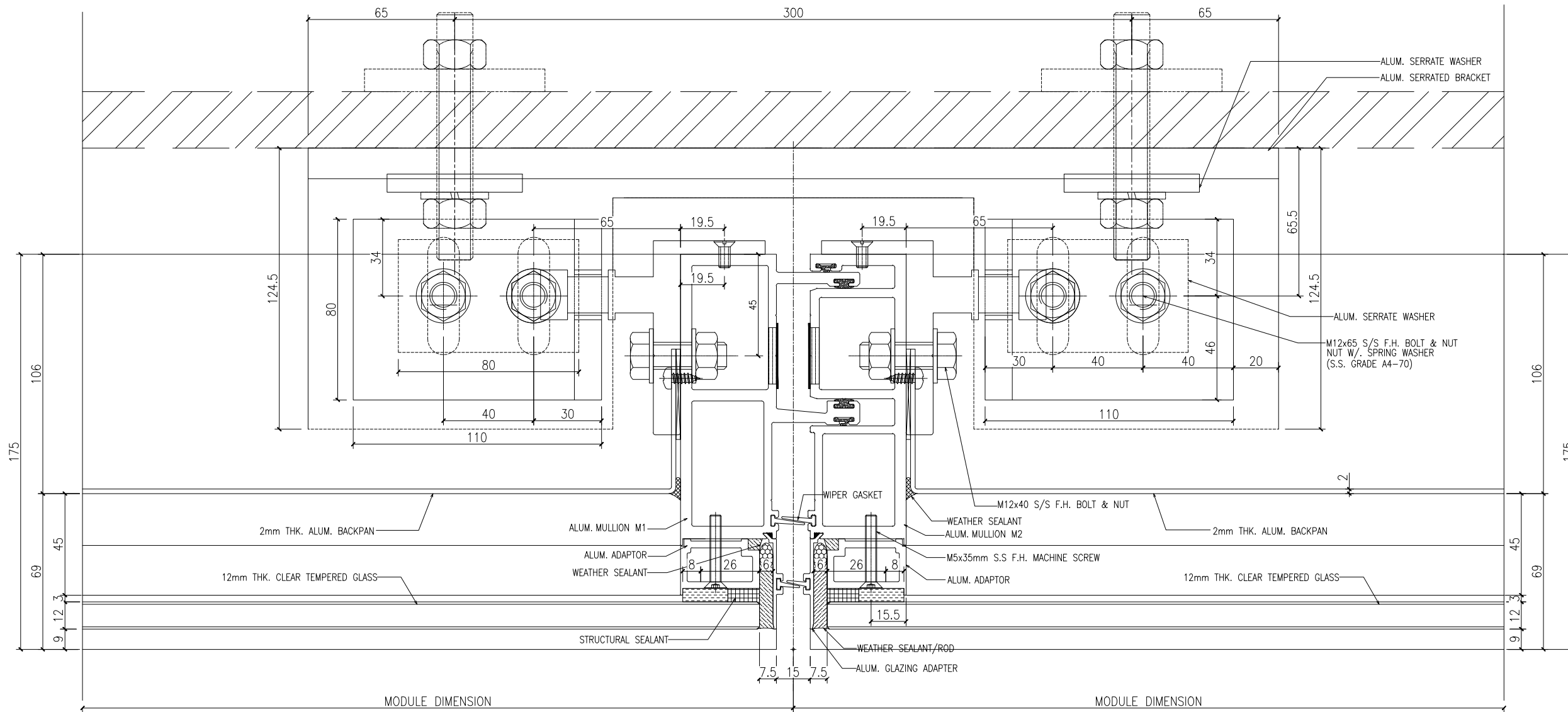
TITLE :  
DETAILS OF  
CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851

DRAWN BY : LS DATE : 17-04-2020

CHKD BY : SCALE A1: A3: 1:4

DWG. NO. : J851-PT-CD05 REV. : -

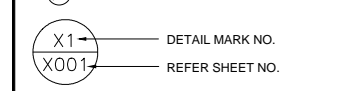


1 HORIZONTAL DETAIL OUTSIDE  
 CD06 CURTAIN WALL

B.D. REF :  
 F.S.D. REF :  
 Note :  
 1.All dimensions are in mm.  
 2.All elevations are viewed from outside.  
 3.All dimensions to be verified on site before fabrication.

GENERAL NOTES

Legend :  
 1. F.F.L.-- Finished Floor Level  
 2. S.F.L.-- Structural Floor Level  
 3. (R) -- Reversed Detail



NO.	DATE	REVISED	BY

CLIENT :  
**佳明集團控股有限公司**  
 GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
**GRAND TECH CONSTRUCTION CO. LTD.**

ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
 ARCHITECTS & PLANNERS

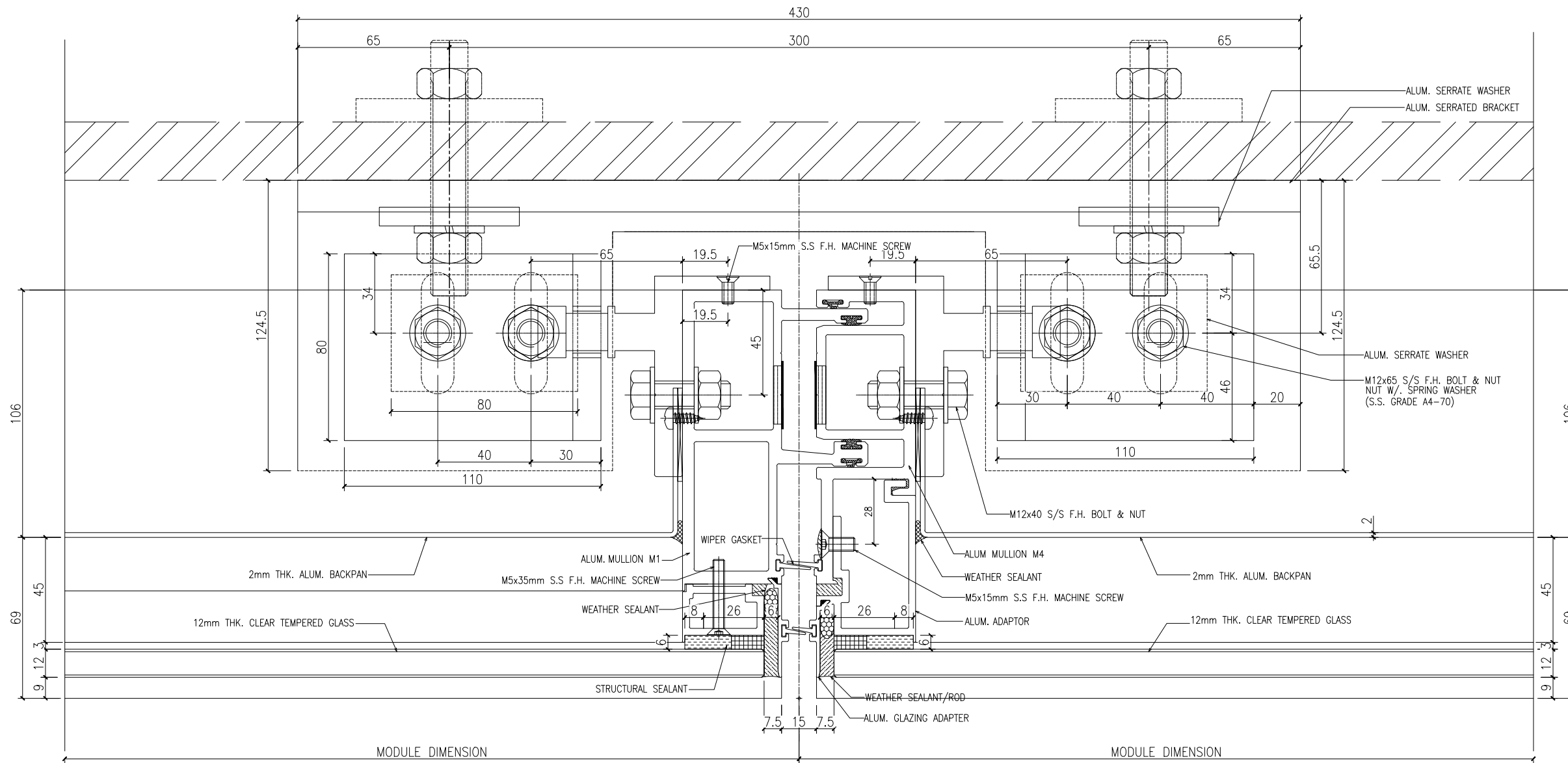
STRUCTURAL ENGINEER :  
**C M WONG & ASSOCIATES LTD**

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

PROJECT :  
 RESIDENTIAL DEVELOPMENT AT  
 TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
 DETAILS OF  
 CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851  
 DRAWN BY : LS DATE : 17-04-2020  
 CHKD BY : SCALE A1: A3: 1:2  
 DWG. NO. : J851-PT-CD06 REV. : -



1 HORIZONTAL DETAIL  
 CD07 CURTAIN WALL  
 OUTSIDE

B.D. REF :  
 F.S.D. REF :

Note :  
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GENERAL NOTES

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NO.	DATE	REVISED	BY

CLIENT :  
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ARCHITECT :  
**WONG TUNG & PARTNERS LIMITED**  
 ARCHITECTS & PLANNERS

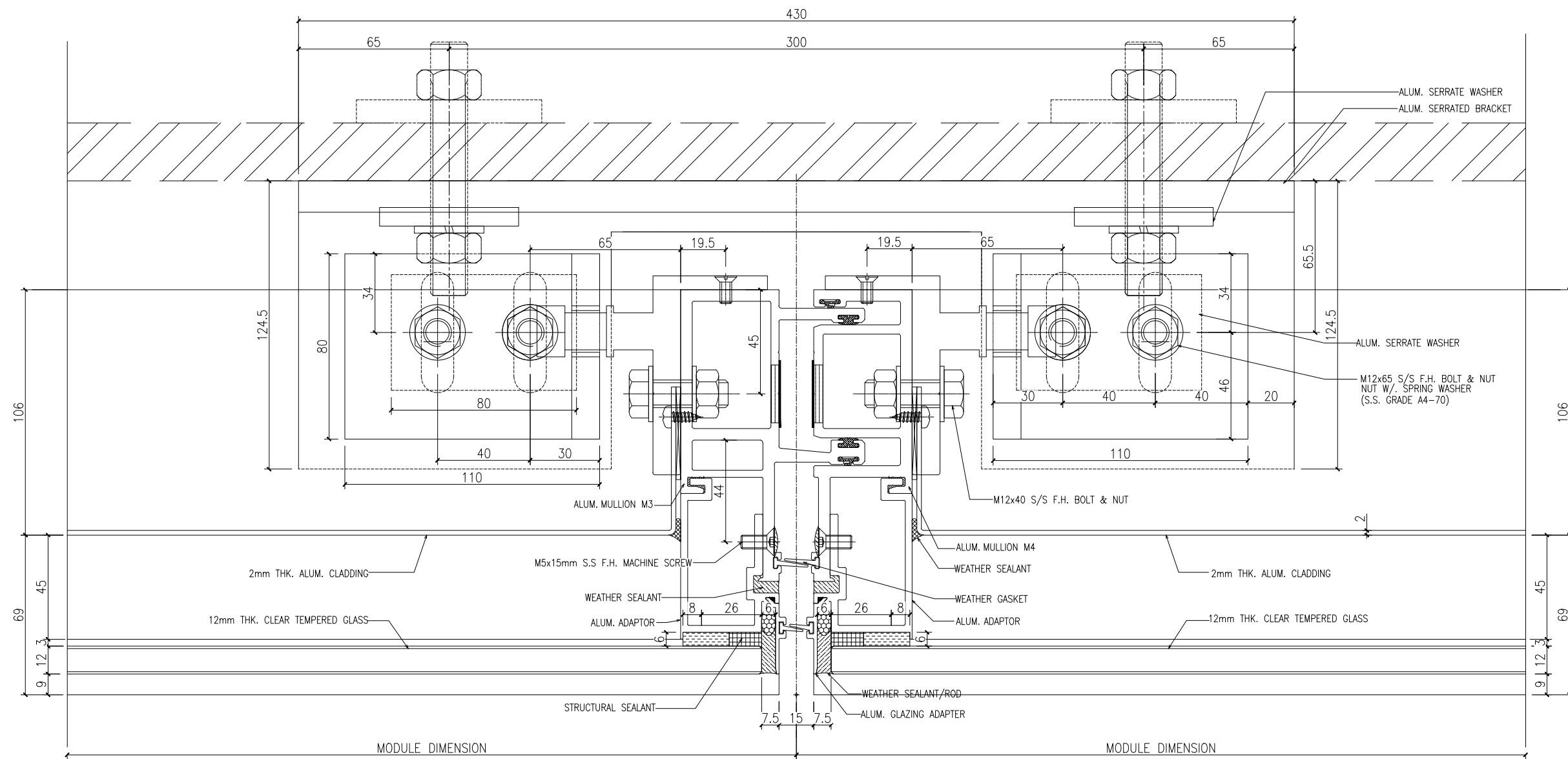
STRUCTURAL ENGINEER :  
  
**C M WONG & ASSOCIATES LTD**

**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

PROJECT :  
 RESIDENTIAL DEVELOPMENT AT  
 TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
 DETAILS OF  
 CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851  
 DRAWN BY : LS DATE : 17-04-2020  
 CHKD BY : SCALE A1: A3: 1:2  
 DWG. NO. : J851-PT-CD07 REV. : -



1 HORIZONTAL DETAIL OUTSIDE  
CD08 CURTAIN WALL

B.D. REF :  
F.S.D. REF :

Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

GENERAL NOTES

Legend :  
1. F.F.L.-- Finished Floor Level  
2. S.F.L.-- Structural Floor Level  
3. (R) -- Reversed Detail

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

NO.	DATE	REVISED	BY

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :  
 C M WONG & ASSOCIATES LTD

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

PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

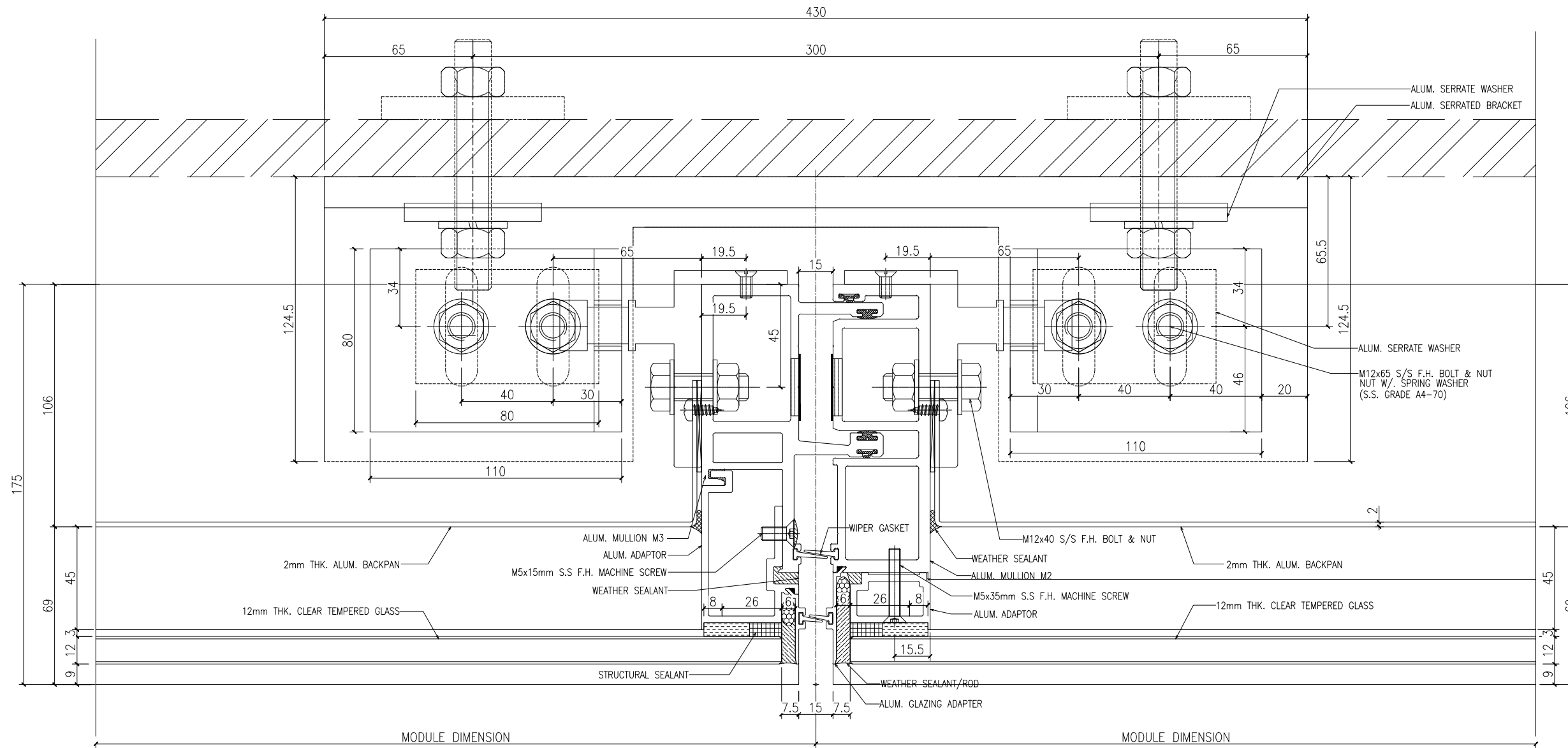
TITLE :  
DETAILS OF  
CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851

DRAWN BY : LS DATE : 17-04-2020

CHKD BY : SCALE A1: A3: 1:2

DWG. NO. : J851-PT-CD08 REV. : -

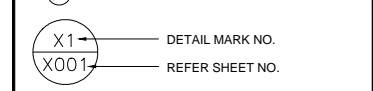


1 HORIZONTAL DETAIL  
CD09 CURTAIN WALL

B.D. REF :  
F.S.D. REF :  
Note :  
1. All dimensions are in mm.  
2. All elevations are viewed from outside.  
3. All dimensions to be verified on site before fabrication.

GENERAL NOTES

Legend :  
1. F.F.L.-- Finished Floor Level  
2. S.F.L.-- Structural Floor Level  
3. (R) -- Reversed Detail



NO.	DATE	REVISED	BY

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

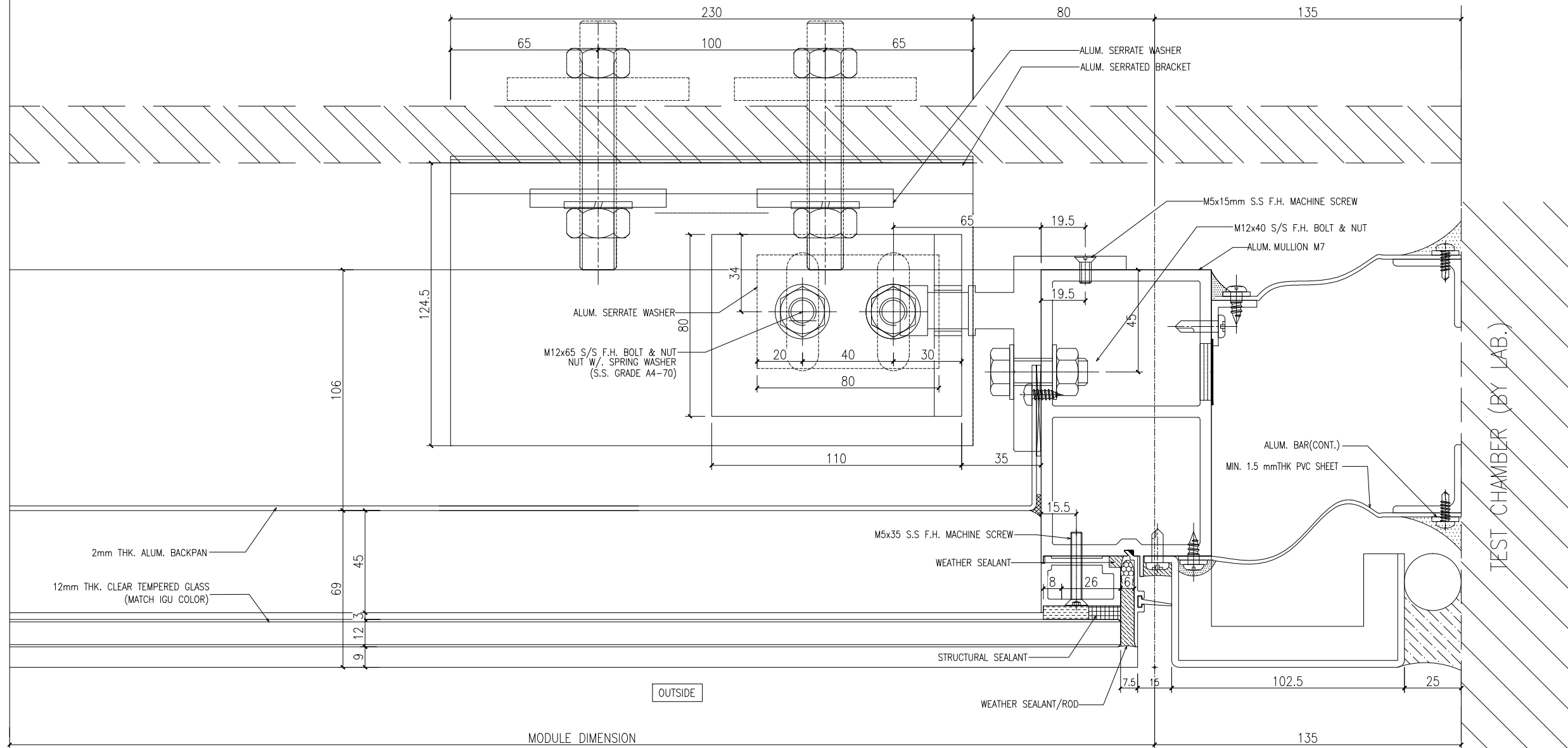
STRUCTURAL ENGINEER :  
 C M WONG & ASSOCIATES LTD

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

PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
DETAILS OF  
CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851  
DRAWN BY : LS DATE : 17-04-2020  
CHKD BY : SCALE A1: A3: 1:2  
DWG. NO. : J851-PT-CD09 REV. : -

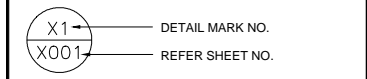


1 HORIZONTAL DETAIL  
CD10 CURTAIN WALL

B.D. REF :  
F.S.D. REF :  
Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

GENERAL NOTES

- Legend :
- 1. F.F.L.-- Finished Floor Level
  - 2. S.F.L.-- Structural Floor Level
  - 3. (R) -- Reversed Detail



NO.	DATE	REVISED	BY

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :  
 C M WONG & ASSOCIATES LTD

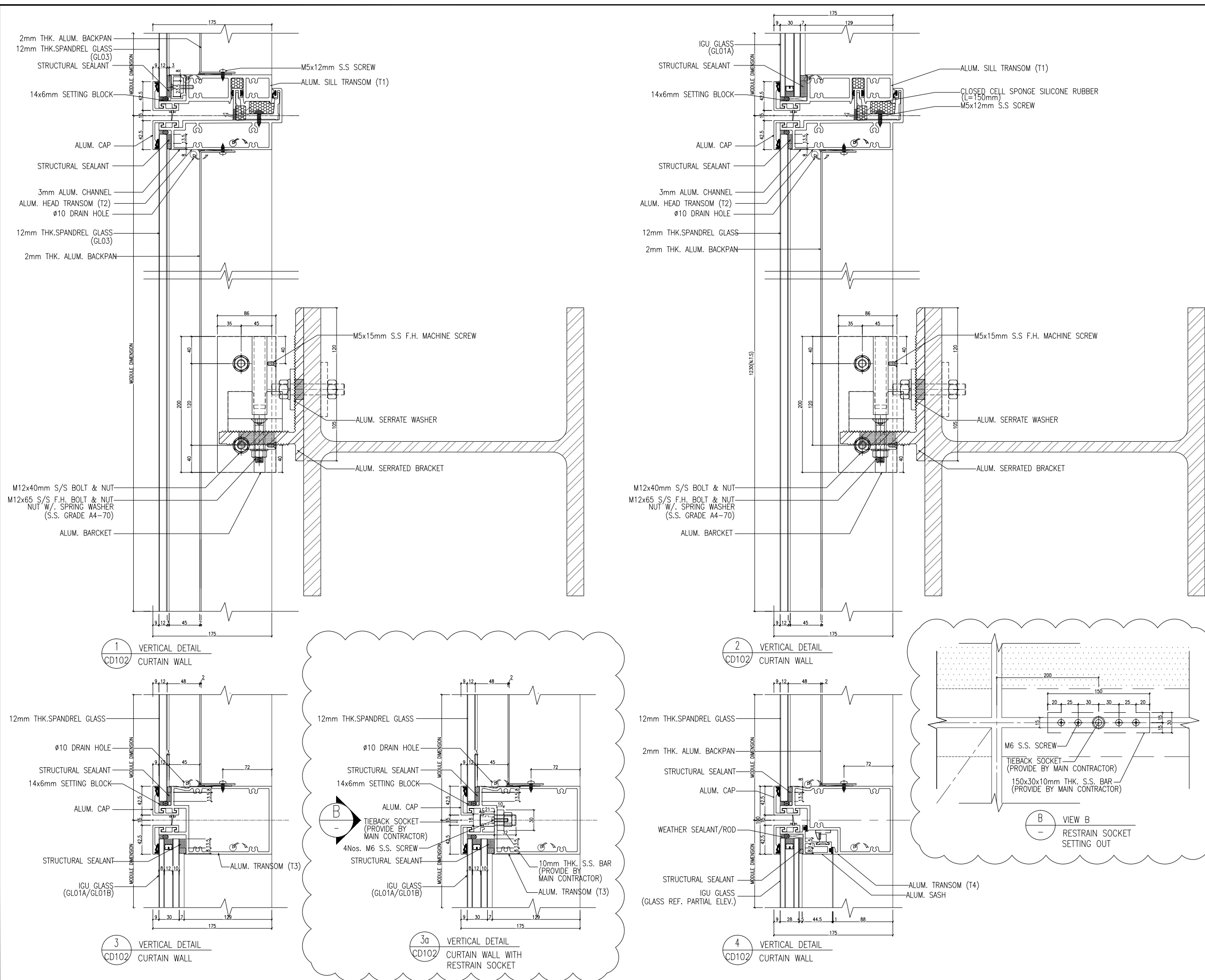
美特鋁質有限公司  
MIDI ALUMINIUM FABRICATOR LTD.  
Units 6-8, Sunray Industrial Centre, 1/F  
610 Cha Kwo Ling Road, Kowloon  
Tel:23489211-4 Fax:(852)27727666

PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

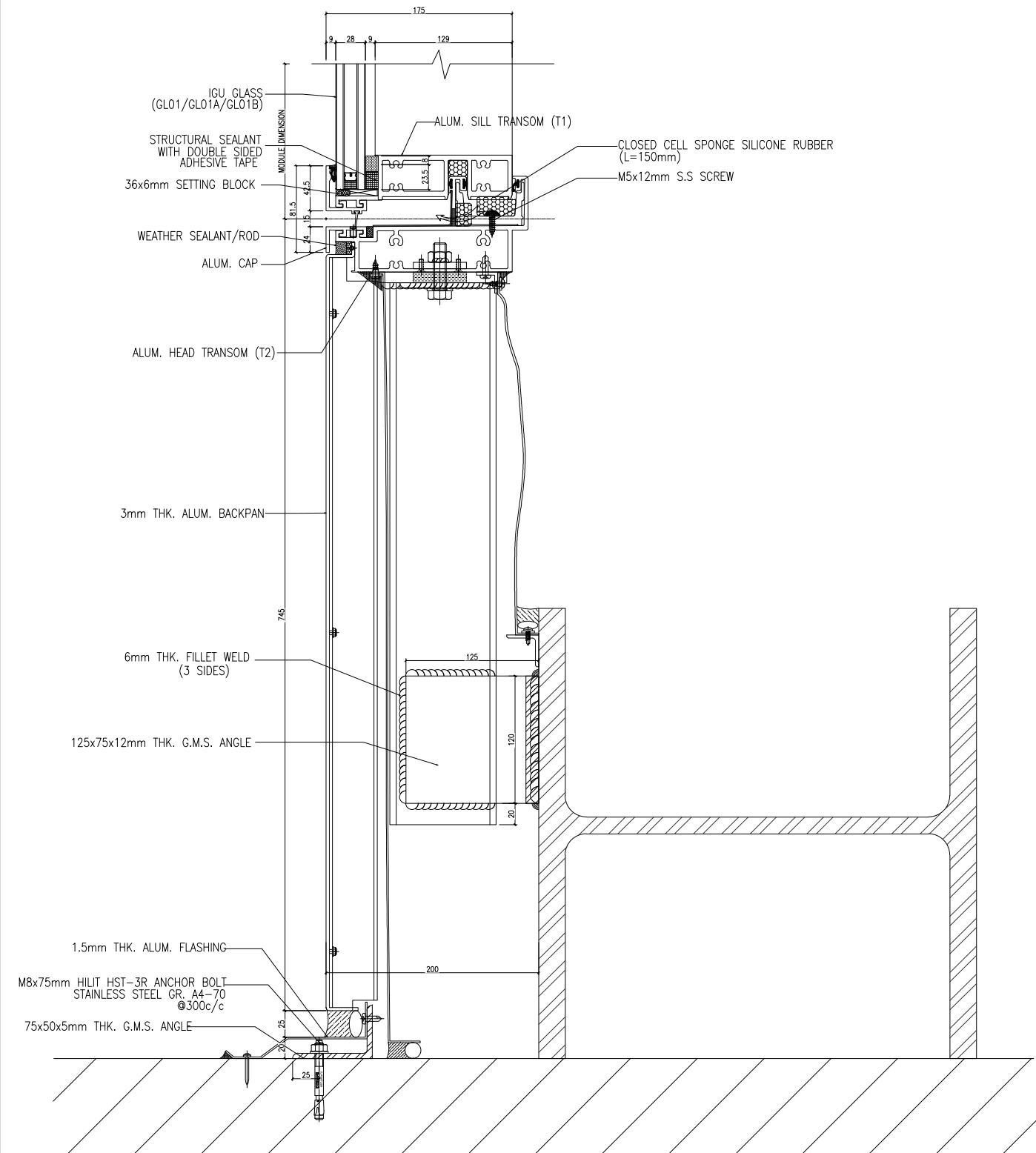
TITLE :  
DETAILS OF  
CURTAIN WALL PERFORMANCE TEST

JOB NO. : J-851  
DRAWN BY : LS DATE : 17-04-2020  
CHKD BY : SCALE A1: A3: 1:2  
DWG. NO. : J851-PT-CD10 REV. : -

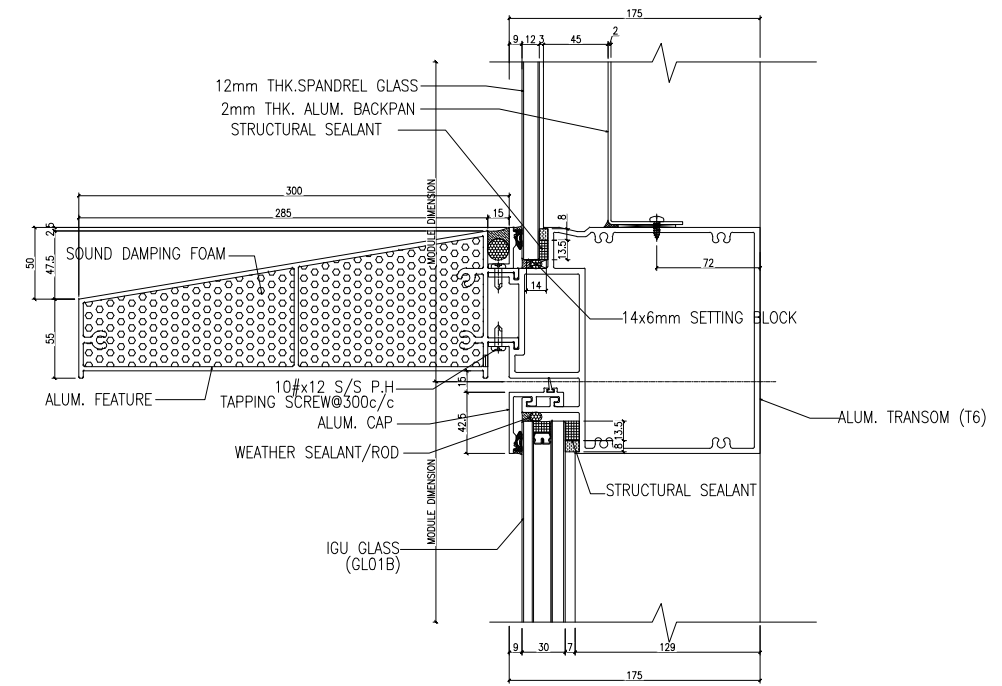




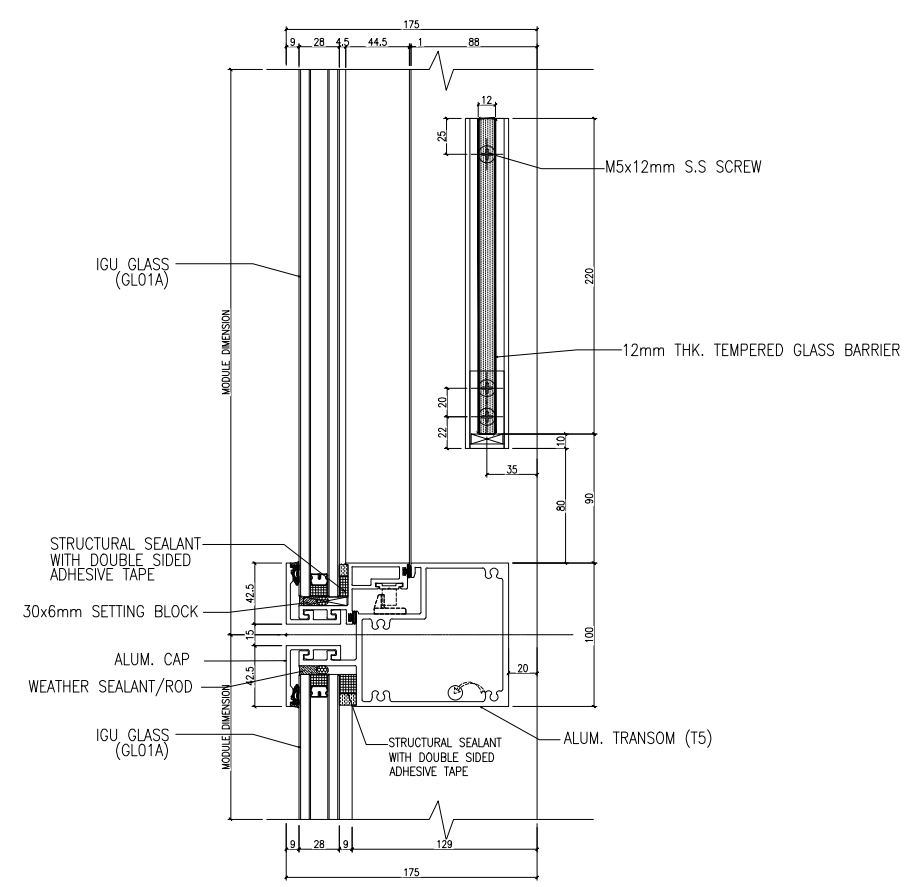
B.D. REF :									
F.S.D. REF :									
<b>Note :</b> 1.All dimensions are in mm. 2.All elevations are viewed from outside. 3.All dimensions to be verified on site before fabrication.									
<b>GENERAL NOTES</b>									
<b>Legend :</b> 1. F.F.L.-- Finished Floor Level 2. S.F.L.-- Structural Floor Level 3. (R) --- Reversed Detail									
X1	DETAIL MARK NO.								
X001	REFER SHEET NO.								
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A	10-07-2020	ADDITION RESTRAIN SOCKET							
NO.	DATE	REVISED	BY						
<b>CLIENT :</b> 佳明集團控股有限公司 GRAND MING GROUP HOLDINGS LIMITED									
<b>MAIN CONTRACTOR :</b> GRAND TECH CONSTRUCTION CO. LTD.									
<b>ARCHITECT :</b> WONG TUNG & PARTNERS LIMITED ARCHITECTS & PLANNERS 									
<b>STRUCTURAL ENGINEER :</b> C M WONG & ASSOCIATES LTD									
<b>美特鋁質有限公司</b> MIDI ALUMINIUM FABRICATOR LTD. Units 6-8, Sunray Industrial Centre, 1/F 610 Cha Kwo Ling Road, Kowloon Tel:23489211-4 Fax:(852)27727666									
<b>PROJECT :</b> RESIDENTIAL DEVELOPMENT AT TSING YI TOWN LOT 190 SAI SHAN ROAD									
<b>TITLE :</b> DETAILS OF CURTAIN WALL PERFORMANCE TEST									
JOB NO. : J-851									
DRAWN BY : LS	DATE : 17-04-2020								
CHKD BY :	SCALE A1: 1:5 A3: 1:5								
DWG. NO. : J851-PT-CD102	REV. : A								



1 VERTICAL DETAIL  
CD103 CURTAIN WALL



2 VERTICAL DETAIL  
CD103 CURTAIN WALL



3 VERTICAL DETAIL  
CD103 CURTAIN WALL

B.D. REF :  
F.S.D. REF :  
Note :  
1.All dimensions are in mm.  
2.All elevations are viewed from outside.  
3.All dimensions to be verified on site before fabrication.

GENERAL NOTES

Legend :  
1. F.F.L.-- Finished Floor Level  
2. S.F.L.-- Structural Floor Level  
3. (R) -- Reversed Detail

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

NO.	DATE	REVISED	BY

CLIENT :  
佳明集團控股有限公司  
GRAND MING GROUP HOLDINGS LIMITED

MAIN CONTRACTOR :  
GRAND TECH CONSTRUCTION CO. LTD.

ARCHITECT :  
WONG TUNG & PARTNERS LIMITED  
ARCHITECTS & PLANNERS

STRUCTURAL ENGINEER :  
C M WONG & ASSOCIATES LTD

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PROJECT :  
RESIDENTIAL DEVELOPMENT AT  
TSING YI TOWN LOT 190 SAI SHAN ROAD

TITLE :  
DETAILS OF  
CURTAIN WALL PERFORMANCE TEST

JOB NO. :	J-851
DRAWN BY :	LS
DATE :	17-04-2020
CHKD BY :	A3
SCALE :	A1: 1:5
DWG. NO. :	J851-PT-CD103
REV. :	-